Development Review Committee

April 21, 2022 at 2:00 PM
Howey-in the-Hills Town Hall
101 N. Palm Ave.
Howey-in-the-Hills, FL 34737

Join Zoom
Meeting: https://us06web.zoom.us/j/82407768445?pwd=ajdnTUNlbTNTSG1YcWtGa0UzZDBHQT09
Meeting ID: 824 0776 8445 | **Passcode:** 090385

CALL TO ORDER
ATTENDANCE

NEW BUSINESS

1. Discussion: **Simpson Development Agreement Review**

2. Discussion: **Hillside Groves Calcs and Mass Grading Plan Review**

PUBLIC COMMENTS
Any person wishing to address the Development Review Committee and who is not on the agenda is asked to speak their name and address. Three (3) minutes is allocated per speaker.

ADJOURNMENT

To Comply with Title II of the Americans with Disabilities Act (ADA):

Qualified individuals may get assistance through the Florida Relay Service by dialing 7-1-1. Florida Relay is a service provided to residents in the State of Florida who are Deaf, Hard of Hearing, Deaf/Blind, or Speech Disabled that connects them to standard (voice) telephone users. They utilize a wide array of technologies, such as Text Telephone (TTYs) and ASCII, Voice Carry-Over (VCO), Speech to Speech (STS), Relay Conference Captioning (RCC), CapTel, Voice, Hearing Carry-Over (HCO), Video Assisted Speech to Speech (VA-STS) and Enhanced Speech to Speech.

Howey Town Hall is inviting you to a scheduled Zoom meeting.
Topic: **DRC Meeting**Time: **Apr 21, 2022 2:00 PM Eastern Time** (US and Canada)

Join Zoom Meeting
https://us06web.zoom.us/j/82407768445?pwd=ajdnTUNlbTNTSG1YcWtGa0UzZDBHQT09

Meeting ID: **824 0776 8445**
Passcode: **090385**

Dial by your location
+1 646 558 8656 US (New York)
+1 301 715 8592 US (Washington DC)

Meeting ID: **824 0776 8445**
Passcode: **090385**
Find your local number: https://us06web.zoom.us/u/kqcChYPCq

Please Note: In accordance with F.S. 286.0105: Any person who desires to appeal any decision or recommendation at this meeting will need a record of the proceedings, and that for such purposes may need to ensure that a verbatim record of the proceedings is made, which includes the testimony and evidence upon which the appeal is based. The Town of Howey-in-the-Hills does not prepare or provide this verbatim record. Note: In accordance with the F.S. 286.26: Persons with disabilities needing assistance to participate in any of these proceedings should contact Town Hall, 101 N. Palm Avenue, Howey-in-the-Hills, FL 34737, (352) 324-2290 at least 48 business hours in advance of the meeting.

TMH CONSULTING, INC.
Community Planning Services

TMHConsulting@cfl.rr.com
97 N. Saint Andrews Dr.
Ormond Beach, FL 32174
PH: 386.316.8426

MEMORANDUM

TO: Howey-in-the-Hills development Review Committee
CC: J. Brock, Town Clerk
FROM: Thomas Harowski, AICP, Planning Consultant
SUBJECT: Simpson Parcel PUD Agreement Review
DATE: April 7, 2022

The applicants are seeking rezoning from the current MDR-1 and MDR-2 to Planned Unit Development. They have submitted a proposed PUD Development Agreement and a conceptual land use plan prepared by the Green Consulting Group, Inc dated March 23, 2022. The DRC will review the proposed development agreement and plan in preparation for submittal of the proposal to the Town's Planning Board. DRC will apply the standards of a preliminary subdivision plan along with the PUD requirements for a concept plan. Should the proposed development be approved, applying the preliminary subdivision approval will allow the project to move to the final subdivision plan stage for a phase of the project or for the entire project. The comments provided in this report will address the comprehensive plan considerations, basic zoning considerations, comments on the conceptual land use plan and comments on the proposed development agreement.

Comprehensive Plan Considerations

1. The subject property is designated as Medium Density Residential on the future land use map. Medium Density Residential allows development up to four units per acre with the maximum unit yield being calculated on the net land area. (Future Land Use Policy 1.1.4.) Based on the net land area identified on the conceptual land use plan, the maximum unit yield for the project is 297 units (74.35 acres x 4units/acre).

2. The applicant needs to provide a concurrency analysis for the proposed project documenting that public services are available to support the proposed development or will be available at the time actual demand occurs.

3. The applicant needs to submit an application for concurrency review to the Lake County School District. The district has a specific application process.

4. The proposed concept plan and development agreement seek a single entrance to the development. Future Land Use Policy 1.1.7 provides the standards for

transportation access to new developments and Section 8.03.05 of the land development code requires two separate and distinct access points to the project.

a. Based on the proposed concept plan an additional access point may be provided off Revels Road or off SR-19. (Even if a SR-19 access is limited to right-in/right-out it would comply with the code requirements.)

b. In addition, an access to the property to the south needs to be extended from at least one of the roads in the central part of the project across Buffer 11.

5. The property does not include wetlands or designated flood hazard areas

Preliminary Subdivision Plan Comments

1. Section 4.05.12 of the Town's land development code identifies the requirements for a preliminary subdivision plan and Section 4.10.09 identifies the requirements for a conceptual land use plan included as part of a planned unit development agreement. The two sets of requirements are similar but not identical. The following items need to be added to the plan:

    a. Current zoning
    b. Location map
    c. Width of existing streets
    d. Boundary survey
    e. Proposed phase lines if any.

2. Typically a tree survey is required as well, but in this case all of the area proposed for development is former grove. Any existing wooded areas are in locations where buffers or open space are proposed, so there does not appear to be a need to do a tree survey. If this factor changes during later design review, a tree survey may be required at that time.

3. The site access issues discussed above need to be corrected.

4. Has Lake County or FDOT been contacted regarding the re-alignment of Revels Road and the intersection with SR 19? If not, this needs to be done to determine if the proposed alignment is allowable.

5. Has consideration been given to discussing a round-about at the Revels Road and SR 19 interesection?

6. The maximum lot coverage at 70% needs to be reduced. At the minimum lot size the impervious lot coverage encroaches into the setback area by over 1,000 square feet.

7. The project buffers along SR 19 and Revels Road (Buffers 1 and 2) need to comply with Section 7.02.01 B. The development agreement needs to include buffer cross-sections for these locations.

8. Is it expected that the planned retention areas will be dry?

9. Staff has no objection to vacating the unopened subdivision right-of-way or the Revels Road right-of-way following relocation provided Lake County concurs.

10. Connections should be indicated on the plan for linkages to the walking trails from the two connectors to the internal street system.

11. What type of facilities are planned for the proposed park area?

Development Agreement Comments

1. Delete references to Gray Robinson on page 1.

2. Reduce the maximum lot coverage on page 4 per comment above.

3. Revised the building design section to state that the project will comply with the design requirements of Section 4.06.02 B and 4.06.03. Compliance is required not encouraged. (page 4)

4. The wetlands buffer requirement (page 5) is a minimum of 25 feet, not an average.

5. The transporation section on page 5 needs to be revised to comply with the access requirements detailed previously.

6. The second paragraph under transportation needs to be revised to read “shall be” not “should be”.

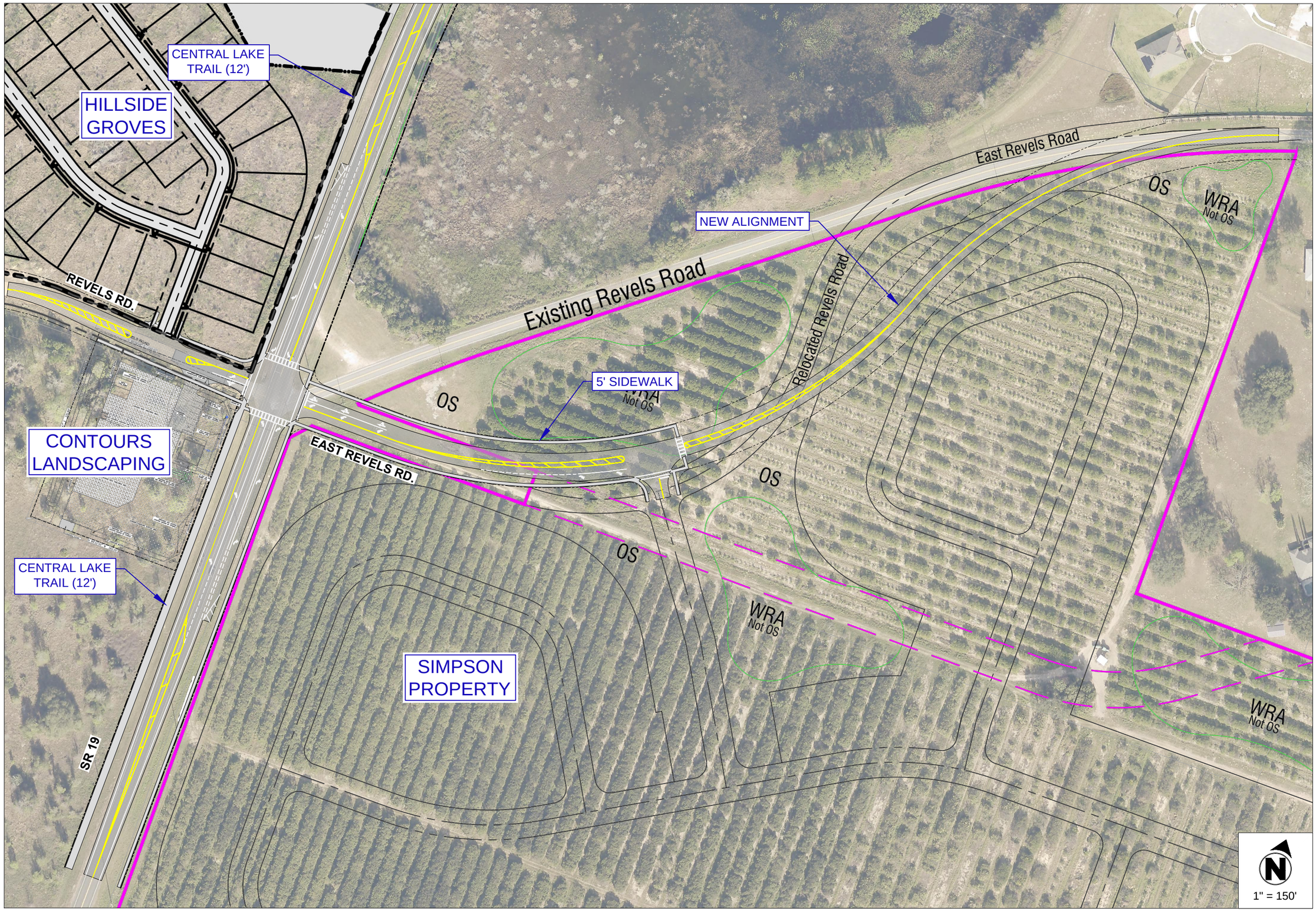
7. The reference to Section 8.02.07 can be deleted. This section of the code is now 8.03.07 and has been reviosed to make these design elements optional.

8. A section needs to be added to include a commitment to funding a fair share of traffic improvements along SR-19 and other key roads. The fair share contribution will be driven by the traffic study’s analysis of project traffic contributing to the needed improvements.

9. The Town’s approved light fixture is the Sanibel fixture which is a Duke enegy standard fixture. Please reference this fixture in the lighting section (page 6) or propose an alternate if desired.

10. Include a definition of “conceptual” as meaning the location of land uses on the site including areas for residential development, open space, stormwater

management, parks and roads in relation to the site area and other uses on the site. Subsequent plan development is expected to result in a refinement of the details based on the application of more detailed engineering design. “Conceptual” does not mean the modification of proposed housing types or the relocation of land uses and roads other than minor adjustments dictated by engineering needs.



DONALD A. GRIFFEY
FLORIDA 0367997

GRIFFEY ENGINEERING, INC.
36202 East Eldorado Lake Dr.
EUSTIS, FLORIDA 32736
(352) 589-2368

TOWN OF
HOWEY-IN-THE-HILLS
101 N. PALM AVENUE
P.O. BOX 128
HOWEY-IN-THE-HILLS, FL 34737
(352) 324-2290

SR 19
REVELS RD. TO FLORIDA AVE.
INTERSECTION IMPROVEMENTS

CONCEPTUAL PLAN

Date	Drawn By:
	DAG
	Drawing #:
	Intersections
	Project #:
	15028
	Scale:
04/13/2022	AS

GRIFFEY ENGINEERING, INC.

April 19, 2022
Watermark PUD (AKA Simpson Parcel)
Engineering Review Comments
Page 1

Transportation

The section stating “All streets shall have a fifty foot (50’) right-of-way with a minimum 24 foot pavement and curb width” should be revised to state: All streets shall have a fifty foot (50’) right-of-way, curb & gutter, and a minimum 24 foot pavement width with 12 foot travel lanes.

Language should be added that the realignment of East Revels Road will be part of this subdivision construction.

The concept plan should be updated to reflect the most recent alignment of the relocated East Revels Road (copy attached).

This instrument prepared by
and should be returned to:

Thomas J. Wilkes
Gray Robinson, P.A.
301 East Pine Street, Suite 1400
Orlando, FL 32801

As approved by Town Council
for the Town of Howey-in-the-Hills, Florida

THE WATERMARK PUD DEVELOPER'S AGREEMENT

This WATERMARK PUD DEVELOPER'S AGREEMENT is made this _____ day of _____, 2022 (the "Effective Date"), between the **Town of Howey-in-the-Hills**, Florida, a Florida municipal corporation (the "Town"), and **CKG Develoment and Realty, LLC**, a Florida limited liability company (the "Owner").

RECITALS

A. The Owner is the owner of approximately 99.19 acres of property more particularly described herein ("the Property").

B. The Property is within the corporate limits of the Town. The Town has assigned the Property a future-land-use designation of Medium Density Residential and has concurrently herewith rezoned the Property to PUD - Planned Unit Development.

C. The Owner intends to develop the Property as a single-family residential development as more specifically set forth herein ("the Project").

D. The Town and Owner desire to enter into this Agreement in order to set forth the negotiated terms and conditions of approval for the development of the Property.

NOW, THEREFORE, in consideration of the foregoing recitals, the mutual covenants and benefits herein contained and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, Town and Owner agree as follows:

ORDINANCE 2022-_____

AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF HOWEY IN THE HILLS, COUNTY OF LAKE, STATE OF FLORIDA, CLASSIFYING THE ZONING TO PUD TOWN OF HOWEY IN THE HILLS FOR THE HEREAFTER DESCRIBED LANDS WITHIN THE TOWN OF HOWEY IN THE HILLS, FLORIDA; OWNED BY ANITA K SIMPSON TRUSTEE ET AL, PROVIDING FOR DIRECTIONS TO THE TOWN MAYOR; PROVIDING FOR SEVERABILITY; PROVIDING FOR AN EFFECTIVE DATE.

NOW, THEREFORE, BE IT ORDAINED by the Town Council of the town of Howey in the Hills, Florida, as follows:

Section 1: Purpose and Intent.
That the zoning classification of the following described property, being situated in the Town of Howey in the Hills, Florida, shall hereafter be designated as PUD as defined in the Town of Howey in the Hills Land Development Regulations.

LEGAL DESCRIPTION*:*
(35-20-25-0150-000-01200)
ORB 2732, PG 1039
LOT 12; ALSO BEGIN 99 FEET SOUTH 1°32' WEST OF THE NORTHWEST CORNER OF LOT 16, THENCE RUN EAST TO THE SOUTHEASTERN BOUNDARY OF LOT 16; THENCE SOUTHWESTERLY ALONG THE SOUTHEASTERN BOUNDARY OF LOT 16; THENCE NORTHERLY ALONG THE WESTERN BOUNDARY OF LOT 16 TO THE POINT OF BEGINNING; LOTS 26 AND 27, LESS THAT PART INCLUDED IN CLAY PIT, ALL ACCORDING TO THE PLAT OF FIRST SUBDIVISION OF HOWEY, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.
ORB 2732 PG 1041

PARCEL NO. 1 (35-20-25-0150-000-00100)
LOT 1 IN 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

PARCEL NO.2 (35-20-25-0150-000-00100)
THAT PART OF 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, BOUNDED AND DESCRIBED AS FOLLOWS: BEGIN AT THE INTERSECTION OF THE NORTH LINE OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 25 EAST, IN LAKE COUNTY, FLORIDA, WITH THE EASTERLY LINE OF THE RIGHT OF WAY OF SUNSET DRIVE AS SHOWN UPON SAID PLAT AND RUN THENCE EAST ALONG SAID NORTH LINE TO A POINT ON THE WATERS-EDGE OF LAKE BERTHA, SAID POINT BEING HEREBY DESIGNATED AS POINT “A”. BEGIN AGAIN AT THE POINT OF BEGINNING AND RUN SOUTHERLY AND SOUTHEASTERLY ALONG THE EASTERLY LINE OF SAID RIGHT OF WAY TO THE WESTERLY LINE OF LOT 4 AS SHOWN UPON SAID PLAT; THENCE NORTHEASTERLY ALONG THE WESTERLY LINE OF SAID LOT 4 TO THE WATERS OF LAKE BERTHA; THENCE WESTERLY AND NORTHERLY ALONG AND WITH THE WATERS OF LAKE BERTHA TO THE ABOVE-DESIGNATED POINT “A”.

PARCEL NO. 3 (02-21-25-0001-000-03700)
THAT PART OF THE NORTH 1/2 OF GOVERNMENT LOTS 1 AND 2 IN SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, IN LAKE COUNTY, FLORIDA, BOUNDED AND DESCRIBED AS FOLLOWS: BEGIN AT THE NORTHEAST CORNER OF SAID SECTION 2, RUN THENCE SOUTH 00°06'05” EAST ALONG THE EAST LINE THERE OF, 1139.8

FEET; THENCE RUN NORTH 89°29'20" WEST 2668.76 FEET TO THE WEST LINE OF SAID GOVERNMENT LOT 2; THENCE RUN NORTH 00°09'00" WEST ALONG SAID WEST LINE 1125.96 FEET TO THE NORTHWEST CORNER OF SAID GOVERNMENT LOT 2; THENCE RUN SOUTH 89°46'40" EAST ALONG THE NORTH LINE OF SAID SECTION 2 FOR 2669.20 FEET TO THE POINT OF BEGINNING.

Total Acreage: 99.19

Section 2: Zoning Classification.
That the property being so designated as PUD is subject to the following terms and conditions:

General
Development of this Project shall be governed by the contents of this document, the comprehensive plan, and applicable sections of the Town of Howey in the Hills Land Development Regulations and Code of Ordinances and all other applicable rules, regulations and ordinances of the City.

Where in conflict, the terms of this document shall take precedence over the Town of Howey in the Hills Land Development Regulations and Code of Ordinances, and all other applicable rules, regulations and ordinances of the Town.

Unless otherwise noted, the definition of all terms shall be the same as the definitions set forth in the Town of Howey in the Hills Land Development Regulations.

Purpose

The purpose of the Watermark PUD is to:

1. Create an attractive and high-quality environment which is compatible with the scale and character of the local environment;
2. Develop a residential area that is safe, comfortable and attractive to pedestrians;
3. Create a community with direct visual and physical access to open land, with amenities in the form of community open space, and with a strong community identity;
4. Provide a network of open space provision; and
5. Provide for a diversity of lot sizes and housing choices to accommodate a variety of age and income groups, and residential preferences, so that the Town's population diversity may be maintained.

Land Uses
The Concept Plan for the Project is attached hereto as Exhibit "B" and is an integral part of this PUD document. Elements in the Concept Plan include single-family detached homes and approximately 33.37 acres of recreation. The residential development shall be comprised of up to 275 single family detached homes.

Setbacks
The following setbacks shall be applied:

Front:	20 feet
Rear:	20 feet
Side:	5 feet
Wetland:	25 feet
Corner:	15 feet
Pool / Accessory	10 feet

Lot Size
A range of lot sizes shall be provided in order to create variety and offer opportunity for different income households. Minimum lot size will be 60' x 120'.

Dwelling Size
The minimum dwelling size for all single-family residences shall be 1,600 square feet of heated/air-conditioned space under roof and a 2-car garage minimum of 400 square feet.

Lot Width
The minimum lot width at building line shall be 60 feet with a minimum street frontage of 30 feet.

Lot Coverage
Lots shall have a maximum lot coverage of 70% to include principal dwelling, all paved areas and swimming pools.

Height of Structures
No residential structure shall not exceed 35 feet in height.

Building Design
Building design will be in accordance with the Architectural Requirements of the Town's Land Development Regulations. The following principles seek to promote a high quality development that will create a sense of place and community through the development of the site.

- A diversity of housing styles, shapes and materials shall meet the Towns Land Development Regulations.
- The different housing types shall be integrated architecturally in order to give the development a harmonious appearance.
- The creation of visual richness shall be considered when choosing materials and details. Local characteristics are encouraged.
- Side entrances for garages are encouraged.
- A variety of roof heights, pitches and materials will be encouraged.
- Landscaping shall be incorporated into the overall design as a means of linking the development areas with the open spaces.
- An exterior wall for a single-family home must be a minimum of two materials and a minimum of two colors. Primary facades shall have one base color and a complementary wall material may be used to meet the second color requirement.

- Block face restrictions may be reduced to 300 linear feet. The same house model may not be used more than three times within a single block face. For purposes of this requirement, a different house model is a different floor plan, not the same floor plan flipped in a different direction and not the same floor plan with a different exterior treatment.

Wetlands Buffer Requirement
No development shall be allowed within jurisdictional wetlands on the property. An average upland buffer of 25 feet shall be in a tract and shall be maintained by the HOA. No development except passive recreation shall be permitted in wetland areas.

Public Facilities

Potable Water and Wastewater
The Project shall be connected to the Town's Potable Water and Sanitary Sewer system, prior to any Certificate of Occupancy being issued for any structure (except temporary construction uses) on the Project. Should the Town require extensions of the City Potable Water and Sanitary Sewer systems for future development a developer's agreement shall be negotiated between the Town and the Owner/Developer. Such Utility Agreement may include prepayment of impact fees to aid expansion of facilities, reimbursement of offsite costs paid by the Owner/Developer by impact fee credits and/or cash reimbursement at the time of interconnections, if any and the installation of reuse lines for irrigation.

Solid Waste
Solid Waste collection shall be pursuant to Town regulations, as amended.

Drainage
The maintenance of the drainage system shall be the responsibility of the Homeowners Association(s).

Transportation
There shall be a one (1) ingress and egress point for the Project. These shall be in the approximate location shown on the Concept Plan. All streets shall have a fifty foot (50') right-of-way with a minimum 24 foot pavement and curb width. Provision shall be made for underground utilities.

All portions of the development should be accessible by a direct, convenient, attractive, safe, and comfortable system of pedestrian facilities, and the development should provide appropriate pedestrian amenities.

Street and Sidewalks
The development shall have a connected street system that serves vehicles, pedestrians and bicycles which connects to recreation facilities and adjacent residential/community areas. All streets shall be public and shall be dedicated to and maintained by the Town. No streets in the Project may be gated or otherwise restricted or obstructed by the Owner, by a homeowners' or property owners' association, or by any other person or entity. This development **shall not** have islands in the cul-de-sacs or and medians per land development code 8.02.07.

A minimum of a five-foot (5') sidewalk shall be constructed along both sides of all interior streets. All sidewalks within rights-of-way shall be dedicated to and maintained by the Town.

Landscaping Requirements

All landscaping and buffer requirements shall be in accordance with the Town's Land Development Regulations as illustrated on the Concept Plan. With the exception of the following:

All buffer, street, and canopy trees planted at the Project will be a minimum of a 2" caliper. The Owner shall require homebuilders to plant at least one canopy tree for each single-family lot of at least 3" DBH. Developer will replace 30 percent of total inches removed. All trees planted at the Project shall adhere to the current guidelines established by the Florida Grades and Standards for nursery-grown trees and must be Florida grade #1 or better.

Developer shall be responsible for the installation of street trees along the roadway where common areas abuts the road per Town of Howey in the Hills LDR'S.

Tree Protection

Under no circumstances shall any tree, regardless of size or species, be removed from any designated wetland or Conversation Easement.

Trees proposed to be maintained on site shall meet the Town of Howey in the Hills LDR'S. No construction activity, equipment or material shall be permitted inside the tree protection barrier.

Lighting

Decorative street lighting shall be installed at every intersection, at the end of each cul-de-sac and at intervals of 300 feet, or as approved by the Town Staff. Street lighting shall be installed by the Owner/Developer. All lighting shall be directional, shielded lighting designed to minimize light pollution. All lighting shall be maintained by the HOA.

Utilities

All utilities shall be underground.

Signage

Entrance signs and informational signage may be located in buffers, setbacks/and or signage easements as approved by the Planning and Zoning Board. Before any marketing signs are erected on the property, the Owner and/or builder(s) shall present a sign plan for review and approval by the Planning and Zoning Board. It is noted that The Town Council has previously approved the Owner's and/or builder(s) use of banner signs. Specifically Builders will be allowed the standard vertical Marketing Flags and the signage as previously approved in the Venezia South community by the Town. All additional signage not previously approved must be in compliance with the requirements in the Town's Land Development Code.

Maintenance of Common Areas

Maintenance of all common areas within the residential component of the Project shall be the responsibility of the Homeowner's Association(s) formed to govern such subdivision.

Amendments
Any substantial deviation from the PUD Concept Plan, or deviation from the terms of this Ordinance, shall be approved by the Town Council in accordance with the legal procedures to amend zoning ordinances.

Any minor amendments that may be needed once final engineering is completed shall be reviewed and approved by staff without referring to the Planning and Zoning Board or Town Council.

Prohibited Uses
No manufactured or modular homes are allowed.

Section 3: Notices
All notices or payments required to be made hereunder shall be made at the following addresses:

To Town:
Hon. Martha MacFarlane, Mayor
Town of Howey-in-the-Hills
101 North Palm Avenue
Howey-in-the-Hills, FL 34737
mmacfarlane@howey.org

With copies to:
Sean O'Keefe, Town Administrator
Town of Howey-in-the-Hills
101 North Palm Avenue
Howey-in-the-Hills, FL 34737
sokeefe@howey.org

Thomas J. Wilkes
Gray Robinson, P.A.
301 East Pine Street, Suite 1400
Orlando, FL 32801
twilkes@gray-robinson.com

To Owner:
Anita K. Simpson, Trustee of the Anita K. Simpson Trust
445 Limit Avenue
Mount Dora, Florida 32757

With copies to:
Any Seller's rep needed here?

With copies to:
Chris Gardner, Manager
CKG Development and Realty, LLC
1482 Granville Drive
Winter Park, FL 32789
chrisg@condevfl.com

With copies to:
James H. McNeil, Jr.
Akerman LLP

420 S. Orange Avenue, Suite 1200
Orlando, Florida 32801
Jim.mcneil@akerman.com

Section 4: Consistent with Comprehensive Plan
The zoning classification is consistent with the Comprehensive Plan of the Town of Howey in the Hills, Florida.

Section 5: Official Zoning Map
That the Town Mayor, or designee, is hereby authorized to amend, alter, and implement the official zoning maps of the Town of Howey in the Hills, Florida, to include said designation.

Section 6: Severability.
That if any provision or portion of this Ordinance is declared by any court of competent jurisdiction to be void, unconstitutional, or unenforceable, then all remaining provisions and portions of this Ordinance shall remain in full force and effect.

Section 7: Binding Effect.
This Agreement is binding upon and enforceable by and against the parties hereto and their successors in interest. This Agreement runs with the land and is binding on and enforceable by and against all successors in interest. However, no Lot Owner shall have the rights or obligations of the Owner under this Agreement. For that purpose, a "Lot Owner" means an end-user of a lot created within the Property with a completed residential unit constructed thereon, for which a certificate of occupancy has been issued. Each party covenants to each other party that this Agreement is a legal, valid, and binding agreement, enforceable against the party in accordance with its terms. Finally, no persons or entities other than the Owner and the Town and their respective successors in interest have any rights under this Agreement. To that end, the parties declare there are no third-party beneficiaries.

Section 8: Conflict.
That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section 9: Negotiated Agreement.
The land use, density, and all of the conditions of approval of the Project have been negotiated and agreed to by the Owner and the Town. The Concept Plan constitutes an agreement among the parties with the knowledge that the Owner's successors in title, the future homeowners and other landowners within the Property, as well as the Town all will rely justifiably on the agreed-to land use and density, being authorized hereby for the Property. For that reason, the Owner and the Owner's successors in interest have the contract right to develop the PUD with the uses and density approved by the Town, subject to the restrictions and requirements in the conditions of approval. Neither the Owner (or its successors in interest) nor the Town shall have the right in the future to rezone or downzone the property, or otherwise alter the uses, densities and intensities, or delete, waive or amend any conditions of approval except through an amendment to the Plan (i) negotiated and approved by the Town and the Owner of the then-subject parcel or (ii) as set forth in Section 2 above. This section shall survive the termination and expiration of this Agreement.

Section 10: Governing Law.

This Agreement shall be governed by the law of the State of Florida. Venue for any judicial proceeding pertaining to the Agreement shall be in the Fifth Judicial Circuit of Florida, in Lake County, Florida.

Section 11: Effective Date.
This Ordinance shall become effective immediately upon its approval and adoption by the Town Council.

Section 12: Recording.
This Agreement shall be recorded by the Town, at the Owner's expense, in the Public Records of Lake County, Florida, and shall constitute a covenant running with the land.

[SIGNATURES BEGIN ON THE FOLLOWING PAGE]

IN WITNESS WHEREOF, the parties are signing this Agreement on the Effective Date.

TOWN OF HOWEY-IN-THE HILLS, FLORIDA

By: _____
The Honorable ?, Mayor

Attest:

By: _____
?, CMC Town Clerk

Approved as to form and correctness:

By:
_____
?, Town Attorney

STATE OF FLORIDA
COUNTY OF _____

The foregoing instrument was executed, sworn to and acknowledged before me this ____ day of _____, 2022, by ?, as Mayor of the Town of Howey-in-the-Hills.

(SEAL)

_____
Signature of Notary Public

_____
Name of Notary Public
(Typed, Printed or stamped)

Personally Known ____ OR Produced Identification ____
Type of Identification Produced: _____

Witnesses:

"CKG DEVLOPMENT AND REALTY, LLC"

CKG Development and Realty, LLC, a Florida limited liability company

_____
Printed Name: _____

By: _____
Printed Name: ?
As its: Manager

_____
Printed Name: _____

STATE OF FLORIDA
COUNTY OF _____

The foregoing instrument was executed, sworn to and acknowledged before me this ____ day of _____, 2022, by ?, as Manager of CKG DEVELOPMENT AND REALTY , LLC, a Florida limited liability company, on their behalf.

(SEAL)

_____
Signature of Notary Public

_____
Name of Notary Public
(Typed, Printed or stamped)

Personally Known ____ OR Produced Identification ____
Type of Identification Produced: _____

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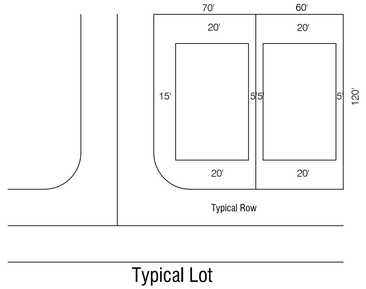

Typical Lot

Project Name: Watermark
Developer Name: CKG Development and Realty, LLC
1482 Granville Drive
Winter Park, FL 32789
407-679-1748
Owner: Anita K Simpson Trustee, et al
445 Limit Avenue
Mount Dora, Fl 32757
Legal Description: See Attached Survey
Total Acreage: 99.19 ± Acres
Water Bodies Acreage: 0 Acres
Wetland Acreage: 0 Acres
Net Land Area: 74.35 :Total Acreage (99.19)
Owned Land: 96.82
Vacated ROW: 2.37
Open Space Required: 24.8 (99.19 x 25%)
Percentage of Uses: 100% Residential
Proposed Land Uses: Single Family Residential
Residential:
- Maximum number of units: 275
- Type of units: Single Family Residential
- Minimum Lot Size: 60' x 120'
- Minimum living area: 1,600 square feet
- Maximum building height: 35'

Minimum parking required: 2 spaces per house

Open Space Provided: 32.55 Acres (33%)
- Retention Ponds with Amenities: 9.85 Acres
- Parks: 4.36 Acres
- Plazas: None
- Buffers: 3.02 Acres
- Other Open Areas: 15.14 Acres

Water Retention: 5.04 Acres
Public or Civic Space: None
Public Access = Not Gated
Buffers:
- Buffer 1: 25' Width / 3' Berm / 1 Canopy Tree per 50'
- Buffer 2: 25' Width / 3' Berm / 1 Canopy Tree per 50'
- Buffer 3: 10' Width / 2 Canopy per 50' / 2 Understory per 50'
- Buffer 4: 10' Width / 2 Canopy per 50' / 2 Understory per 50'
- Buffer 5: 10' Width / 2 Canopy per 50' / 2 Understory per 50'
- Buffer 6: 10' Width / 2 Canopy per 50' / 2 Understory per 50'
- Buffer 7: Adjacent to Wetlands
- Buffer 8: 10' Width / 2 Canopy per 50' / 2 Understory per 50'
- Buffer 9: 10' Width / 2 Canopy per 50' / 2 Understory per 50'
- Buffer 10: 10' Width / 2 Canopy per 50' / 2 Understory per 50'
- Buffer 11: 10' Width / 2 Canopy per 50' / 2 Understory per 50'

Water and service: Town of Howey in the Hills

PUD
Existing Revels Road
East Revels Road
Relocated Revels Road
WRA
Not OS
OS
Buffer 1
Buffer 2
Buffer 3
Buffer 4
Buffer 5
Buffer 6
Buffer 7
Buffer 8
Buffer 9
Buffer 10
Buffer 11
MDR-1
MDR-2
TO BE VACATED
LAKE COUNTY - A
SR 19
Matchline
Park Area
Walking Trail

Green Consulting Group, Inc.
Landscape Architecture ■ Land Planning ■ Development Assistance
4070 United Avenue, Mount Dora, Florida 32757
352-357-9241 ■ Fax 352-357-9278 ■ LC26000288

NORTH

Drawing Number: 1561-08
Originated From: 1561-07
Date: March 23, 2022
Scale: 1"=100'
Drawn By: PAH
Layout: 24"x36"

Conceptual Land Use Plan

Simpson Property

Howey in the Hills, Florida

THE SWEETWATER

6 BEDROOM | 4 BATH | 3 CAR GARAGE | 4,170 SQ. FT. LIVING AREA

ELEVATION A

ELEVATION B

ELEVATION C

DREAM FINDERS HOMES
HOMES BUILT TO FIT YOUR LIFESTYLE

DREAMFINDERSHOMES.COM
Dream Finders Homes reserves the right to change elevations, specifications, materials and pricing without prior notice. Variations within the floor plans and elevations do exist. Square footage are approximate and will vary. ©2021. Dream Finders Homes CBC1252734. 10/21

AVALON WITH BONUS

4 BEDROOM | 4 BATH | 3 CAR GARAGE | 2,945 SQ. FT. LIVING AREA

ELEVATION A

ELEVATION B WITH OPTIONAL STONE

ELEVATION C WITH OPTIONAL STONE

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WIMBERLEY

7 BEDROOM | 4.5 BATH | 3 CAR GARAGE | 5,058 SQ. FT. LIVING AREA

ELEVATION A

ELEVATION B

ELEVATION C

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AVALON

4 BEDROOM | 3 BATH | 3 CAR GARAGE | 2,510 SQ. FT. LIVING AREA

ELEVATION A

ELEVATION B WITH OPTIONAL STONE

ELEVATION C WITH OPTIONAL STONE

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MONTEGO

5 BEDROOM | 3 BATH + 2x0.5 BATH | 2 CAR GARAGE | 3,273 SQ. FT. LIVING AREA

ELEVATION A

ELEVATION B

ELEVATION C

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DREAMFINDERSHOMES.COM
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Green Consulting Group, Inc.
Landscape Architecture ■ Land Planning ■ Development Assistance
4070 United Avenue, Mount Dora, Florida 32757
352-357-9241 ■ Fax 352-357-9278 ■ LC26000288

NORTH

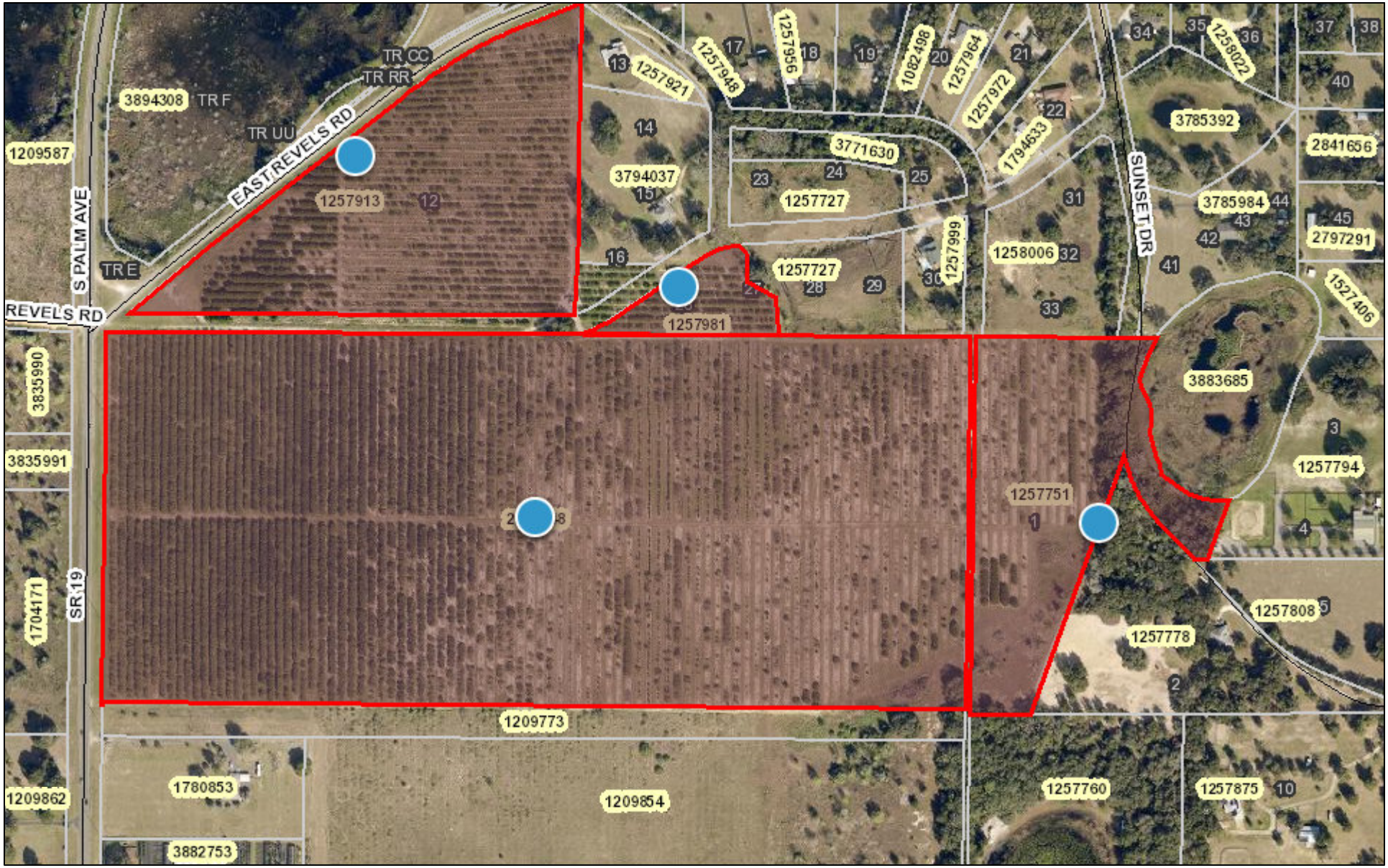
Drawing Number: 1561-06
Originated From: 1561-05
Date: February 15, 2022
Scale: 1"=100'
Drawn By: PAH
Layout: 24"x36"

Building Elevations

Simpson Property

Howey in the Hills, Florida

Watermark PUD Location



April 7, 2022

1:5,000

0 0.0425 0.085 0.17 mi

0 0.05 0.1 0.2 km

pointLayer

Override 1

polygonLayer

Override 1

Street Names

Local Streets

Subdivision Lot Numbers

Property Name

Tax Parcels Alternate Key

Tax Parcels

County Boundary

Surrounding Counties

Lake County Property Appraiser
Lake BCC

GRIFFEY ENGINEERING, INC.

April 19, 2022
Hillside Groves – Grading Plan & Calculations
Engineering Review Comments
Page 1

General Comments

1. Additional comments may be added to these with the reviews of subsequent submittals.

Mass Grading Plan

2. This work will require an ERP permit from SJRWMD and an encroachment approval from Duke Energy.

3. In the notes, change the “City of Orlando” references to “Town of Howey-in-the-Hills”.

4. Show the flood prone areas on the existing and proposed plans.

5. Identify the sizes of the existing CMP pipes that are to be removed.

6. On sheets C500-C504, turn on the existing elevation labels.

7. Are there any on-site trees to be preserved? If so, they need to be shown on the grading plan and appropriate protection called out.

8. Does the on-site earthwork balance? Will there need to be any import or export of material? If so, identify on the plan proposed dump truck access points and off-site haul routes.

9. Add a note on each grading plan page that all exposed areas will be seeded & mulched upon the completion of the grading of that area.

10. Use the town’s standard details for silt fencing, construction entrance, erosion control, & tree protection.

Stormwater Calculations

11. Provide a master stormwater plan along with pre- and post-development basin maps. The master plan & basin maps should include labelling that matches the ICPR model.

12. Include compensating storage calculations for any flood plain encroachment.

Water Calculations

13. Provide a master water plan for the project that shows pipe locations, sizes, and junction labels matching the calculations.

14. Per the town's constructions standards, "Maximum day instantaneous demand to be used for design shall be 1.0 gallons per minute (GPM) per single family".

15. Since the irrigation lines will probably be supplied by the potable system, evaluate the scenario of Irrigation Demand + Fire Flow.

Wastewater Calculations

16. The design flow should use the peak factors in the town's construction standards: ADF=0-50K GPD, P.F.=3.5-4.0; ADF=50-250K GPD, P.F.=3.0; ADF= 250 GPD – 2 MGD, P.F.=2.5

MASS GRADING PLANS FOR HILLSIDE GROVES AT HOWEY IN THE HILLS PUD

PUD

PARCEL #: 26-20-25-0100-000-00002, 35-20-25-0003-000-00501, 35-20-25-0002-000-00500, 26-20-25-0100-000-00004, 26-20-25-0100-000-00005, 26-20-25-0100-000-00004, 26-20-25-0100-000-00500, 26-20-25-0100-000-00003 & 26-20-25-0400-D14-00000

HOWEY-IN-THE-HILLS
LAKE COUNTY, FL

LEGAL DESCRIPTION:

The Southwest 1/4 of the Northwest 1/4 of the Northeast 1/4 of Section 35, Township 20 South, Range 25 East, Lake County, Florida;

AND

The Southwest 1/4 of the Northwest 1/4 of the Northwest 1/4 of the Northeast 1/4 of Section 35, Township 20 South, Range 25 East, Lake County, Florida;

AND

A triangular tract of land described as:

Beginning at the Northeast corner of the Southwest 1/4 of the Northwest 1/4 of the Northeast 1/4, in Section 35, Township 20 South, Range 25 East, Lake County, Florida; run thence West approximately 330 feet to the Southeast corner of the Southwest 1/4 of the Northwest 1/4 of the Northeast 1/4 of the Northeast 1/4; thence run North approximately 330 feet to the Northeast corner of the Two and One-Half Acre Tract last described; thence Southeast to the Point of Beginning;

AND

The Southwest 1/4 of the Northeast 1/4, Less that part lying within Taylor Memorial Cemetery hereinafter particularly described:

The Northwest 1/4 of the Southeast 1/4, lying North and West of State Road 19, now paved. Less and Except such portion of Taylor Memorial Cemetery included therein, which cemetery is more particularly described as follows:

Beginning at the East 1/2 mile corner of Section 35, Township 20 South, Range 25 East, Lake County, Florida; run West 1490 feet to an iron pipe on the North right-of-way line of said State Road now paved; thence Southwesterly along said right-of-way line 446.5 feet to a cement marker and the Point of Beginning of Cemetery property; run thence Southwesterly with the North right-of-way line of said road 509.4 feet; thence North 36°27' West, 573.8 feet; thence North 51°33' East, 500 feet; thence South 38°27' East, 500 feet to the Point of Beginning;

AND

The Southeast 1/4 of the Northeast 1/4, lying North and West of State Road 19, now paved, Less and Except such part thereof as is contained in the plat of Palm Gardens as recorded in the Public Records of Lake County, Florida on February 26, 1951, in Plat Book 12, Page 11;

AND

The West 1/2, Less and Except the North 3/4 of the Northeast 1/4 of the Northwest 1/4, in Section 35, Township 20 South, Range 25 East, Lake County, Florida;

AND

That part of the South 1/4 of the Southwest 1/4 of the Southwest 1/4, lying South of County Clay Road, in Section 26, Township 20 South, Range 25 East, Lake County, Florida. Subject to the rights-of-way for all existing state, county and town road, streets and highways;

AND

A tract of land located in the Northeast 1/4 of the Northeast 1/4 of Section 35, Township 20 South, Range 25 East, Lake County, Florida, and generally described as lying South of the residence of Don White and West of the Westerly boundary line of Palm Gardens subdivision;

AND

All of Block D-14, according to the plat of Palm Gardens, filed February 26, 1951, and recorded in Plat Book 12, Page 11, of the Public Records of Lake County, Florida.

All of the above Lake County property being more particularly described as follows:

That part of the Northwest 1/4 of the Northeast 1/4 of Section 35, Township 20 South, Range 25 East, in the town of Howey in the Hills, Florida, bounded and described as follows:

Begin at the Northwest corner of the Southwest 1/4 of the Northwest 1/4 of the Northwest 1/4 of the Northeast 1/4 of said Section 35; thence run East along the North line thereof to the Northeast corner of the said Southwest 1/4 of the Northwest 1/4 of the Northwest 1/4 of the Northeast 1/4; thence run Southeasterly along a straight line to the Northeast corner of the Southwest 1/4 of the Northwest 1/4 of the Northeast 1/4 of said Section 35; thence run South along East line thereof, to the Southeast corner of the said Southwest 1/4 of the Northwest 1/4 of the Northeast 1/4; thence run West along the South line thereof to the Southwest corner of the said Northwest 1/4 of the Northeast 1/4; thence run North along the West line of the said Northwest 1/4 of the Northeast 1/4 to the Point of Beginning; Less all rights-of-way for streets in Howey in the Hills, Florida.

All of Block D-14 in Palm Gardens, a subdivision in the town of Howey in the Hills, Florida, according to the plat thereof recorded in Plat Book 12, Page 11 of the Public Records of Lake County, Florida.

The South 3/4 of the West 1/2; the Northwest 1/4 of the Northwest 1/4, Less the right-of-way of a County Clay Road; and the South 1/4 of the Northeast 1/4 of the Northwest 1/4 of Section 35, Township 20 South, Range 25 East, Lake County, Florida, in the town of Howey in the Hills, Florida.

That part of the Southwest 1/4 of the Northeast 1/4 and that part of the Northwest 1/4 of the Southeast 1/4 lying North and West of the Westerly line of the right-of-way of State Road No. 19, in Section 35, Township 20 South, Range 25 East, Lake County, Florida, in the town of Howey in the Hills, Florida; Less and Except therefrom that part thereof lying within Taylor Memorial Cemetery, according to the plat thereof recorded in Plat Book 12, Page 5, of the Public Records of Lake County, Florida, and also Less all rights-of-way for streets in Howey in the Hills, Florida.

That part of the East 1/2 of the Northwest 1/4 of Section 35, Township 20 South, Range 25 East, in the town of Howey in the Hills, Florida, bounded and described as follows:

Begin at the Northwest corner of Lot 1, in Block D-14, in Palm Gardens, according to the plat thereof recorded in Book 12, Page 11, of the Public Records of Lake County, Florida; thence run West to the West line of the Northeast 1/4 of the Northwest 1/4 of the said Section 35; thence run South along the West line of the East 1/2 of the Northeast 1/4 of the said Section 35 to a point on the Northeasterly line of the right-of-way of State Road No. 19; thence run Northwesterly along the Northeasterly line of the said right-of-way line of Block D-14, of the said Palm Gardens subdivision; thence run Northwesterly along the Westerly line of the said Block D-14, to the Point of Beginning; Less all rights-of-way for streets in Howey in the Hills, Florida,

That part of the South 1/4 of the Southwest 1/4 of the Southwest 1/4 of Section 26, Township 20 South, Range 25 East, Lake County, Florida, lying South of the Southerly line of the right-of-way of the County Road.

LESS the following described parcel:

Commence at the East 1/4 corner of Section 35, Township 20 South, Range 25 East, Lake County, Florida; thence run North 89°21'35" West along the South line of the Northeast 1/4 of said Section 35, 1487.79 feet to a point on the Northwesterly right-of-way line of State Road No. 19; thence run South 52°07'27" West along said Northwesterly right-of-way line, 459.23 feet to the Point of Beginning; thence continue South 52°07'27" West along the arc of said curve concave Southeasterly, thence run Southwesterly along the arc of said curve and said Northwesterly right-of-way line having a central angle of 14°35'56", a radius of 2341.83 feet, an arc length of 596.69 feet, a chord bearing of South 44°49'31" West and a chord distance of 595.08 feet to the Point of Beginning; thence continue along said Northwesterly right-of-way line being a curve concave Southeasterly; thence run Southwesterly along said curve having a central angle of 22°58'29", a radius of 2341.83 feet, an arc length of 939.04 feet, a chord bearing of South 26°02'16" West and a chord distance of 932.76 feet; thence run North 75°26'58" West, 402.66 feet; thence run South 68°12'24" West, 668.73 feet; thence run North 53°42'00" West, 250.16 feet; thence run North 12°38'17" East, 257.80 feet; thence run North 77°21'43" West, 125.00 feet; thence run North 12°38'17" East, 13.01 feet to the point of curvature of a curve concave Easterly; thence run Northeasterly along the arc of said curve having a central angle of 39°28'41", a radius of 75.00 feet, an arc length of 51.68 feet, a chord bearing of North 32°22'37" East and a chord distance of 50.66 feet to the point of tangency; thence run North 52°06'58" East, 476.63 feet; thence run North 54°47'17" East, 150.16 feet; thence run North 52°06'58" East, 205.75 feet to the point of curvature of a curve concave Southerly; thence run Easterly along the arc of said curve having a central angle of 62°53'19", a radius of 24.99 feet, an arc length of 27.43 feet, a chord bearing of North 83°33'05" East and a chord distance of 26.08 feet to the point of reverse curvature of a curve concave Northwesterly; thence run Northeasterly along the arc of said curve having a central angle of 125°45'33", a radius of 99.99 feet, an arc length of 219.47 feet, a chord bearing of North 52°06'58" East and a chord distance of 178.00 feet to the point of reverse curvature of a curve concave Southeasterly, thence run Northeasterly along the arc of said curve having a central angle of 62°53'19", a radius of 24.99 feet, an arc length of 27.43 feet, a chord bearing of North 20°40'51" East and a chord distance of 26.08 feet to the point of tangency; thence run North 52°06'58" East, 560.98 feet to a point on the Northwesterly extension of the Southwesterly line of Taylor Memorial Cemetery; thence run South 37°58'58" East along said Northwesterly extension line, 613.80 feet to the Point of Beginning.

ALSO LESS the following described parcel:

Commence at the East 1/4 corner of Section 35, Township 20 South, Range 25 East, Lake County, Florida; thence run North 89°21'35" West along the South line of the Northeast 1/4 of said Section 35, 1487.79 feet to a point on the Northwesterly right-of-way line of State Road No. 19; thence run South 52°07'27" West along said Northwesterly right-of-way line, 66.25 feet to the Point of Beginning; thence continue South 52°07'27" West along said Northwesterly right-of-way line, 392.98 feet to the point of curvature of a curve concave Southeasterly; thence run Southwesterly along the arc of said curve having a central angle of 02°12'24", a radius of 2341.83 feet, an arc length of 90.19 feet, a chord bearing of South 51°01'15" West and a chord distance of 90.19 feet to the most Easterly corner of Taylor Memorial Cemetery; thence run North 38°00'31" West, along the Northeasterly line of said Taylor Memorial Cemetery, 547.00 feet; thence run North 52°06'58" East, 484.34 feet to the point of curvature of a curve concave Southerly; thence run Southeasterly along the arc of said curve having a central angle of 90°00'00", a radius of 10.00 feet, an arc length of 15.71 feet, a chord bearing of South 82°53'02" East and a chord distance of 14.14 feet to the point of tangency; thence run South 37°53'02" East, 525.33 feet to the point of curvature of a curve concave Northwesterly; thence run Southeasterly along the arc of said curve having a central angle of 90°00'00", a radius of 10.00 feet, an arc length of 15.71 feet, a chord bearing of South 07°07'12" West and a chord distance of 14.14 feet to the Point of Beginning.

AND, ALSO LESS the following described parcel:

Commence at the East 1/4 corner of Section 35, Township 20 South, Range 25 East, Lake County, Florida; thence run North 89°21'35" West along the South line of the Northeast 1/4 of said Section 35, 1487.79 feet to a point on the Northwesterly right-of-way line of State Road No. 19 thence run North 52°07'27" East along said Northwesterly right-of-way line, 673.75 feet to the Point of Beginning; thence run North 37°53'02" West, 1008.88 feet; thence run North 00°35'47" East, 116.78 feet to a point on the North line of the Southwest 1/4 of the Northwest 1/4 of said Section 35; thence run South 89°24'13" East along said North line, 270.08 feet to a point on the West line of the Northeast 1/4 of the Northeast 1/4 of said Section 35; thence run North 00°35'58" East along said West line, 256.12 feet to a point on the South line of the residence of Don White; thence run South 89°24'13" East along said South line, 418.17 feet; thence run South 00°35'47" West, 709.10 feet; thence run South 37°52'33" East, 317.47 feet to a point on said Northwesterly right-of-way line of State Road No. 19; thence run South 52°07'27" West along said Northwesterly right-of-way line, 329.54 feet to the Point of Beginning.

ALSO, LESS AND EXCEPT the following described parcel:

That parcel described as the Taylor Memorial Cemetery in that Quitclaim Deed recorded in Official Records Book 1147, Page 1398, of the Public Records of Lake County, Florida.

Parcel 2 (Easement Estate):

Together with those appurtenant easements as set forth and granted by Eagles Landing at Ocoee, Inc., a Florida corporation, to Howey in the Hills, a Florida limited partnership, in that Development Agreement and Grant of Easements, recorded November 10, 2005 in Official Records Book 3003, Page 1377, of the Public Records of Lake County, Florida.

PREPARED FOR
LENNAR - ORLANDO
6750 FORUM DRIVE, SUITE 310
ORLANDO, FL 32821

PROJECT LOCATION

LOCATION MAP
1" = 3000'

INDEX OF SHEETS	
SHEET	TITLE
C100	COVER
C101	GENERAL NOTES
C150	EXISTING CONDITIONS PLAN
C400	MASTER SITE PLAN
C500-C504	MASS GRADING PLAN
C505	STRUCTURE TABLES
C510	CONTROL STRUCTURE DETAILS
C950	SWPPP

Connelly & Wicker Inc.
Planning · Engineering · Landscape Architecture

10060 SKINNER LAKE DR., SUITE 500
JACKSONVILLE, FLORIDA 32246
(904) 265-3030 FAX: (904) 265-3031

1560 NORTH ORANGE AVE., SUITE 210
WINTER PARK, FLORIDA 32789
(407) 261-3100 FAX: (407) 261-3099

FLORIDA REGISTRY: 3650 L.A. NUMBER: LC26000311
www.cwieng.com

DEVELOPER
LENNAR - ORLANDO
6750 FORUM DRIVE, SUITE 310
ORLANDO, FL 32821

CIVIL ENGINEER
CONNELLY & WICKER INC
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WINTER PARK, FL 32789
(407) 261-3100
CONTACT: RYAN BLAIDA, P.E.

PLANNER
William (Bill) A. Ray, AICP
Ray and Associates
Planning and Environmental Services
2712 SE 29th Street,
Ocala, FL 34471
Office & Cell; 352-425-8881

OWNER
EASTON & ASSOCIATES
10165 NW 19TH ST
MIAMI, FL 33172

Ryan R Blaida
Digitally signed by Ryan R Blaida
DN: c=US, o=CONNELLY AND WICKER INC., ou=A01410D000001770172 83E00013904, cn=Ryan R Blaida
Date: 2022.04.01 09:57:39 -04'00'

RYAN R. BLAIDA
LICENSE
No 61017
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

This item has been electronically signed and sealed by Ryan Blaida on the date indicated here using SHA authentication code. Printed copies of this document are not considered signed

Apr 01, 2022
RYAN R. BLAIDA, P.E.
FL P.E. #61017
Reg. Engineer

No.	Date	Revision	By

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(407) 261-3100 FAX: (407) 261-3099 www.cwieng.com
FLORIDA REGISTRY: 3650 L.A. NUMBER: LC26000311

COVER

MASS GRADING PLANS FOR HILLSIDE GROVES HOWEY IN THE HILLS
PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

Project No.: 21-04-0008	
Designed: RRB	Drawn: RAH
Checked: RRB	O.C.: RCW
Date: APRIL 2021	
Scale: N/A	DATUM:

Sheet C100

Printed: Apr 01, 2022 - 9:07am Printed By: Rob

J:\21\21-04-0008 Preserve at Howey\Design\Dwgs\Plots\MG\21-04-0008-MG-COVER.dwg

GENERAL NOTES:

1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE CITY OF ORLANDO, FDOT AND FDEP.

2. PAVEMENT STRIPING TO BE IN ACCORDANCE WITH THE FLORIDA D.O.T. ROADWAY & TRAFFIC STANDARDS, INDEX 17346, AND AS REQUIRED BY THE CITY OF ORLANDO.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND LOCATION OF ALL EXISTING UTILITIES AND RELATED CONSTRUCTION PRIOR TO COMMENCEMENT OF WORK. SHOULD THE CONTRACTOR OBSERVE ANY DEVIATIONS FROM WHAT IS SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SAID DEVIATIONS PRIOR TO COMMENCEMENT OF WORK. ANY WORK THAT MUST BE REDONE DUE TO FAILURE OF CONTRACTOR TO NOTIFY THE ENGINEER OF DEVIATIONS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTORS SOLE EXPENSE.

4. WHERE MUCK OR OTHER ORGANIC MATERIAL IS FOUND, IT SHALL BE REPLACED WITH GOOD QUALITY BACKFILL MATERIAL OBTAINED FROM THE GRADING OPERATIONS OR OTHER SOURCE APPROVED BY THE GEOTECHNICAL ENGINEER. THE ORGANIC MATERIAL SHALL BE THEN USED AS TOP DRESSING WHEN MIXED WITH CLEAN BACKFILL SOIL AS APPROVED BY THE GEOTECHNICAL ENGINEER OR PLACED AS APPROVED BY OWNER.

5. ALL FINISHED GRADES AND ELEVATIONS ARE AS DENOTED BY THE APPLICABLE LEGEND.

6. AS PART OF THE CLEARING AND GRUBBING OPERATION, THE CONTRACTOR IS TO REMOVE ALL FENCING AND/OR EXISTING FACILITIES FROM THE SITE AS DIRECTED BY ARCHITECT.

7. MAINTAIN MINIMUM 3' COVER OVER PROPOSED LINES, UNLESS OTHERWISE NOTED.

8. THE CONTRACTOR SHALL NOTIFY THE CITY OF ORLANDO AND OUC CONSTRUCTION DEPARTMENTS 48 HOURS PRIOR TO ANY UTILITIES CONSTRUCTION.

9. THE LIMITS OF THE SWALES SHALL BE SODDED AS INDICATED ON THE PLANS.

10. THE CONSTRUCTION OF ALL UTILITIES CONNECTING TO UTILITY SYSTEMS SHALL CONFORM TO STANDARDS AND CONSTRUCTION SPECIFICATIONS OF THE UTILITY OWNER.

11. CONTRACTOR IS RESPONSIBLE FOR OBTAINING FDEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY IN ACCORDANCE OF FLORIDA ADMINISTRATIVE CODE 62-621.300 (2), 62-620, AND FLORIDA STATUTES CHAPTER 403.

12. ALL EXCESS FILL MATERIAL SHALL BE HAULED OFFSITE

13. ALL DESIGNATED ENTRANCES AND EXITS FOR CONSTRUCTION SITE SHALL BE STABILIZED USING FILTER FABRIC AND GRAVEL OR OTHER PRE-APPROVED METHODS TO PREVENT OFF-SITE TRACKING OF SEDIMENTS.

EROSION CONTROL NOTES:

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO INSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING SURFACE WATERS. SUCH MEASURES SHALL BE APPROVED BY THE PROJECT ENGINEER AND MAY INCLUDE, BUT NOT LIMITED TO, CONSTRUCTION OF TEMPORARY EROSION CONTROL STRUCTURES, SUCH AS SEDIMENT BASINS, SEDIMENT CHECKS, OR SILT BARRIERS.

2. SODDING (OR OTHER STABILIZATION) OF STORMWATER DETENTION AREAS SHOULD BE ACCOMPLISHED WITH IN SEVEN (7) DAYS FOLLOWING COMPLETION OF GRADING TO MINIMIZE EROSION POTENTIAL.

3. AT A MINIMUM, THE RETENTION/DETENTION STORAGE AREA MUST BE EXCAVATED TO ROUGH GRADE PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SURFACE WITHIN THE AREA TO BE SERVED BY THOSE FACILITIES TO PREVENT REDUCTION IN STORAGE VOLUME AND PERCOLATION RATES. ALL ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE STORAGE AREA PRIOR TO FINAL GRADING AND STABILIZATION.

4. IF DURING CONSTRUCTION, THE PROPOSED EROSION CONTROL SYSTEM DOES NOT PERFORM SATISFACTORILY, ALTERNATIVES AND ADDITIONAL METHODS OF PROTECTION SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH THE CITY OF ORLANDO EROSION PROTECTION STANDARDS. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION CONTROL COSTS INCLUDING ANY COSTS ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.

5. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED EROSION CONTROL PLAN TO THE CITY OF ORLANDO FOR REVIEW AND APPROVAL A MINIMUM OF 2 WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. AT A MINIMUM, THE EROSION CONTROL PLAN SHALL PROPOSE SILT SCREEN OR SYNTHETIC HAY BALES AND TURBIDITY BARRIERS, IN ACCORDANCE WITH THE CONSTRUCTION PLANS.

6. ALL PERMANENT EROSION CONTROL MEASURES SHALL BE COMPLETED WITHIN 7 DAYS OF FINAL GRADING. ALL TEMPORARY EROSION CONTROL SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE COMPLETED AND ESTABLISHED.

7. CONTRACTOR SHALL INSPECT THE EROSION/SEDIMENT CONTROL EFFORTS TO DETERMINE THE EFFECTIVENESS. INSPECTIONS SHALL BE CONDUCTED DAILY AND WITHIN 24 HOURS AFTER EACH 0.50 INCH OR GREATER RAINFALL EVENT. ANY NECESSARY REMEDIES SHALL BE PERFORMED IMMEDIATELY.

8. SEDIMENTATION CONTROLS/BMP'S SHALL PREVENT STORMWATER RUNOFF WITH TURBIDITY GREATER THAN 29 NTUs FROM LEAVING THE CONSTRUCTION SITE.

MAINTAINENCE OF TRAFFIC:

1. FDOT INDEX 102-602 & 102-603 TO BE USED.

UTILITY NOTES:

1. ALL PIPE, MATERIALS, AND WASTEWATER CONSTRUCTION SHALL COMPLY WITH CHAPTER 9 OF THE CITY OF ORLANDO ENGINEERING STANDARDS MANUAL (ESM).

2. PER SECTION 9.03.05 OF THE ESM THE CONTRACTOR SHALL PROVIDE A DVD RECORDING OF VIDEO INSPECTION OF THE PRIVATE GRAVITY SANITARY SEWER SYSTEM TO THE CITY FOR WASTEWATER DIVISION REVIEW PRIOR TO ACCEPTANCE.

3. SEWER PIPE SHALL COMPLY WITH ASTM D3034 FOR GRAVITY SEWER.

4. SEWER JOINTS SHALL COMPLY WITH SECTION 9.03.01.B ASTM D3212 PUSH-ON ELASTOMERIC COMPRESSION GASKET TYPE.

PAVING AND DRAINAGE NOTES:

1. PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCE BETWEEN CENTERLINES OF DRAINAGE STRUCTURES.

2. ALL CONCRETE DRAINAGE STRUCTURES TO BE CONSTRUCTED PER D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS UNLESS OTHERWISE NOTED.

3. DITCH BOTTOM AND CONTROL STRUCTURE INLET GRATES SHALL BE SECURED WITH CHAIN AND EYEBOLT.

4. FIVE (5) FEET OF SOD IS REQUIRED AROUND ALL DITCH BOTTOM INLETS, MANHOLES, HEADWALLS AND MITERED END SECTIONS.

5. CONTRACTOR SHALL PLACE BLUE REFLECTIVE MARKERS ON PAVEMENT IN FRONT OF FIRE HYDRANTS.

6. TOP ELEVATIONS OF MANHOLES IN GRASSED AREAS SHALL BE AT MINIMUM 4 INCHES ABOVE FINISH GRADE.

AS-BUILT NOTE:

1. THE CONTRACTOR SHALL SUBMIT A CERTIFIED SET OF RECORD DRAWINGS TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING INFORMATION ON THE APPROVED PLANS CONCURRENTLY WITH CONSTRUCTION PROGRESS. RECORD DRAWINGS SUBMITTED TO THE ENGINEER AS PART OF THE PROJECT ACCEPTANCE SHALL COMPLY WITH THE CITY OF ORLANDO REQUIREMENTS AND THE FOLLOWING REQUIREMENTS.

A. DRAWINGS SHALL BE LEGIBLY MARKED TO RECORD ACTUAL CONSTRUCTION.

B. DRAWINGS SHALL SHOW ACTUAL LOCATION OF ALL UNDERGROUND AND ABOVE GROUND STORM DRAINAGE, POTABLE WATER AND WASTEWATER PIPING, AND RELATED APPURTENANCES. ALL CHANGES TO PIPING LOCATION INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES AND APPURTENANCES SHALL BE CLEARLY SHOWN AND REFERENCED TO PERMANENT SURFACE IMPROVEMENTS. DRAWINGS SHALL ALSO SHOW ACTUAL INSTALLED PIPE MATERIAL, CLASS, ETC.

C. DRAWINGS SHALL CLEARLY INDICATE VERTICAL AND HORIZONTAL SEPARATION BETWEEN POTABLE WATER MAIN AND STORM DRAINAGE/SANITARY SEWER/RECLAIMED WATER MAINS AT POINTS OF CROSSING IN ACCORDANCE WITH FDEP CRITERIA AT UTILITY CROSSINGS.

D. DRAWINGS SHALL CLEARLY SHOW ALL FIELD CHANGES OF DIMENSION AND DETAIL INCLUDING CHANGES MADE BY FIELD ORDER OR BY CHANGE ORDER.

E. DRAWINGS SHALL CLEARLY SHOW ALL DETAILS NOT ON ORIGINAL CONTRACT DRAWINGS, BUT CONSTRUCTED IN THE FIELD. ALL EQUIPMENT AND PIPING RELOCATION SHALL BE CLEARLY SHOWN.

F. LOCATION OF ALL INLETS, MANHOLES, HYDRANTS, VALVES, AND VALVE BOXES SHALL BE SHOWN. ALL VALVES SHALL BE REFERENCED BY STATE PLANE COORDINATES.

G. DIMENSIONS BETWEEN ALL INLETS AND MANHOLES SHALL BE FIELD VERIFIED AND THE INVERTS, AND GRADE ELEVATIONS OF ALL INLETS AND MANHOLES SHALL BE SHOWN.

H. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY FOR POND GRADING. AS-BUILT POND CONTOURS SHALL BE PROVIDED AT TOP OF BANK, POND BOTTOM, AND ALL GRADE BREAKS AND ELEVATIONS SPECIFIED ON THE PLANS. CONTRACTOR SHAL BE RESPONSIBLE FOR RE-GRADING POND SLOPES THAT ARE STEEPER THAN SHOWN ON THE DESIGN PLANS.

I. EACH SHEET OF THE PLANS SHALL BE SIGNED, SEALED AND DATED BY REGISTERED SURVEYOR WITH A NOTE READING "THESE AS-BUILT DRAWINGS ACCURATELY DEPICT THE ACTUAL IMPROVEMENTS AS CONSTRUCTED".

J. WHERE THE POTABLE WATER MAIN CROSSES OTHER UTILITIES (STORM, GRAVITY SEWER, FORCEMAIN AND RECLAIMED WATER), THE CERTIFIED AS-BUILT DRAWINGS SHALL CLEARLY INDICATE THE CONSTRUCTED ELEVATIONS IN SUCH A WAY THAT THE VERTICAL SEPARATION BETWEEN THE WATER MAIN AND OTHER UTILITIES MAY BE VERIFIED BY THE ENGINEER. FAILURE TO PROVIDE THIS INFORMATION WILL RESULT IN THE CONTRACTOR EXCAVATING AND SURVEYING THE UTILITIES AT NO ADDITIONAL COST TO THE OWNER.

K. WHERE THE POTABLE WATER MAIN CROSSES OTHER UTILITIES (STORM, GRAVITY SEWER, FORCEMAIN AND RECLAIMED WATER), THE CERTIFIED AS-BUILT DRAWINGS SHALL CLEARLY INDICATE THE LOCATIONS OF PIPE JOINTS IN SUCH A MANNER AS TO DEMONSTRATE THE PIPE IS CENTERED AT ALL THE CROSSINGS. FAILURE TO PROVIDE THIS INFORMATION WILL RESULT IN THE CONTRACTOR EXCAVATING AND SURVEYING THE UTILITIES AT NO ADDITIONAL COST TO THE OWNER.

2. CERTIFIED AS-BULT DRAWINGS SHALL BE PROVIDED TO THE ENGINEER PRIOR TO BACTERIOLOGICAL TESTING. FAILURE TO PROVIDE ACCURATE DRAWINGS MAY RESULT IN EXPIRED TEST RESULTS AND REQUIRE ADDITIONAL TESTING AT THE CONTRACTOR'S EXPENSE.

3. COORDINATE DATA SHALL BE PROVIDED IN STATE PLANE COORDINATES.

4. AS-BUILTS SHALL REFERENCE THE REQUIREMENTS OF CHAPTER 5 OF THE CITY'S ENGINEERING STANDARDS MANUAL.

ENGINEER'S CERTIFICATION NOTE:

"I, RYAN BLAIDA, P.E. HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE ALL EXISTING UTILITIES HAVE BEEN FIELD LOCATED AND THE LOCATION AND ELEVATION DEPICTED ON THESE PLANS IS BASED ON ACTUAL SURVEY, GROUND PENETRATING RADAR, SOFT DIG EXCAVATIONS, AND OTHER INDUSTRY METHODS. I FURTHER CERTIFY THAT ALL MEASURES HAVE BEEN TAKEN WITH REGARD TO UTILITY PROVIDERS' NOTIFICATION TO MARK UTILITIES IN ACCORDANCE WITH CHAPTER 556 F.S., SUNSHINE STATE ONE CALL."

⚠ "I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THE STORMWATER MANAGEMENT SYSTEM FOR THE PROJECT KNOWN AS: MASS GRADING RALEIGH STREET MEETS ALL OF THE REQUIREMENTS AND HAS BEEN DESIGNED SUBSTANTIALLY IN ACCORDANCE WITH THE CITY OF ORLANDO STORMWATER MANAGEMENT CRITERIA."

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No.	Date	Revision	By

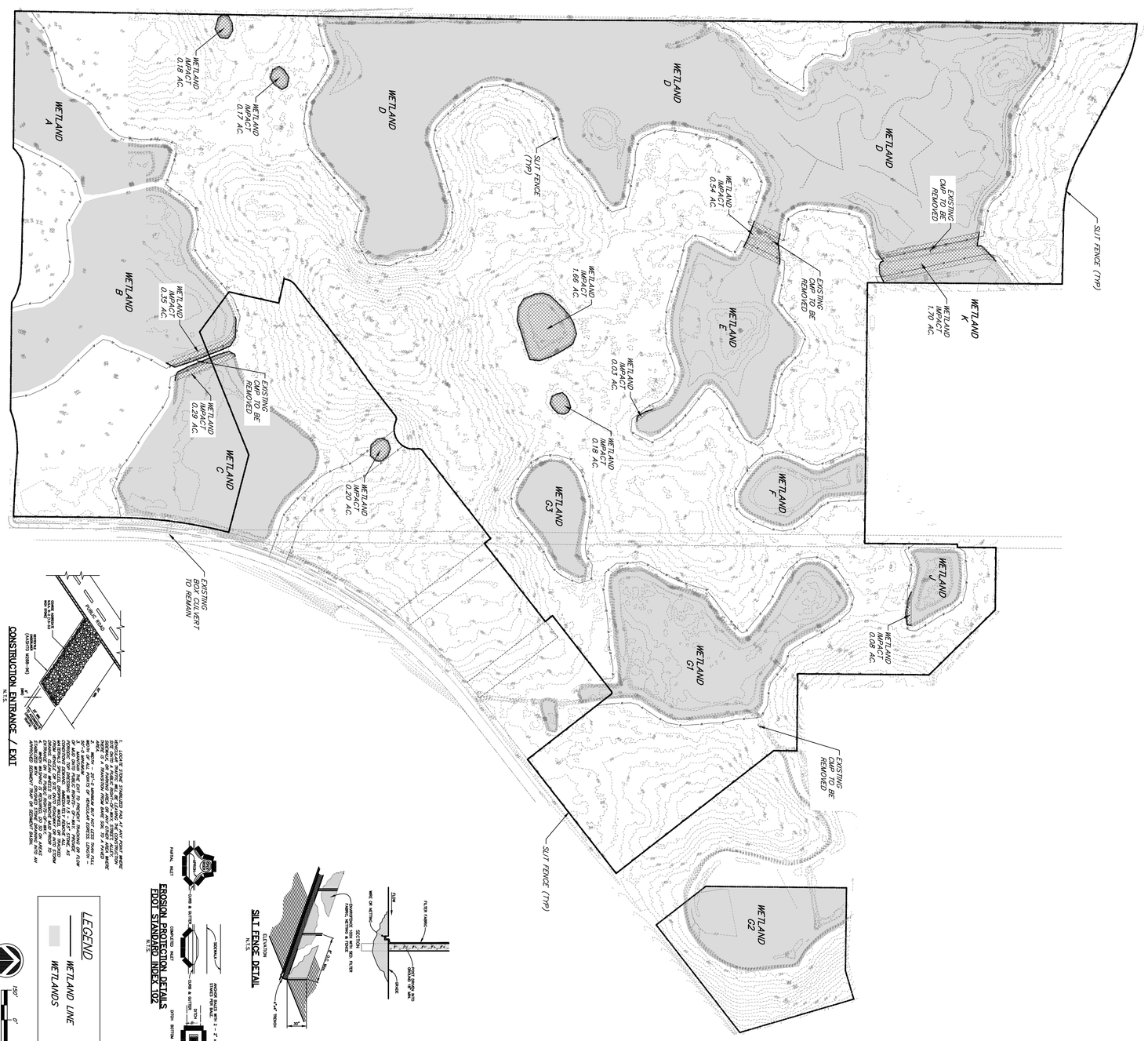
GENERAL NOTES

MASS GRADING PLANS
FOR HILLSIDE GROVES
HOWEY IN THE HILLS
PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

Apr 01, 2022
RYAN R. BLAIDA, P.E.
FL P.E. #61017
Reg. Engineer

Project No.: 21-04-0008	
Designed: RRB	Drawn: RAH
Checked: RRB	O.C.: RCW
Date: APRIL 2021	
Scale: N/A	DATUM:

Sheet C101



CONSTRUCTION ENTRANCE / EXIT
N.T.S.

EROSION PROTECTION DETAILS
FOOT STANDARD INLET TOP
N.T.S.

SILT FENCE DETAIL
N.T.S.

LEGEND
WETLAND LINE
WETLANDS

150' 0' 150' 300'

Project No: 21-04-0008
Drawing: RAH
Checked: RRB
O.C.: RCW
Date: APRIL 2021
DATUM:
Scale: 1" = 300'
Sheet C150

Apr 01, 2022
RYAN R. BLAIDA, P.E.
FL P.E. #61017
Reg. Engineer

MASS GRADING PLANS
FOR HILLSIDE GROVES
HOWEY IN THE HILLS
PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

EXISTING CONDITIONS PLAN

No.	Date	Revision	By

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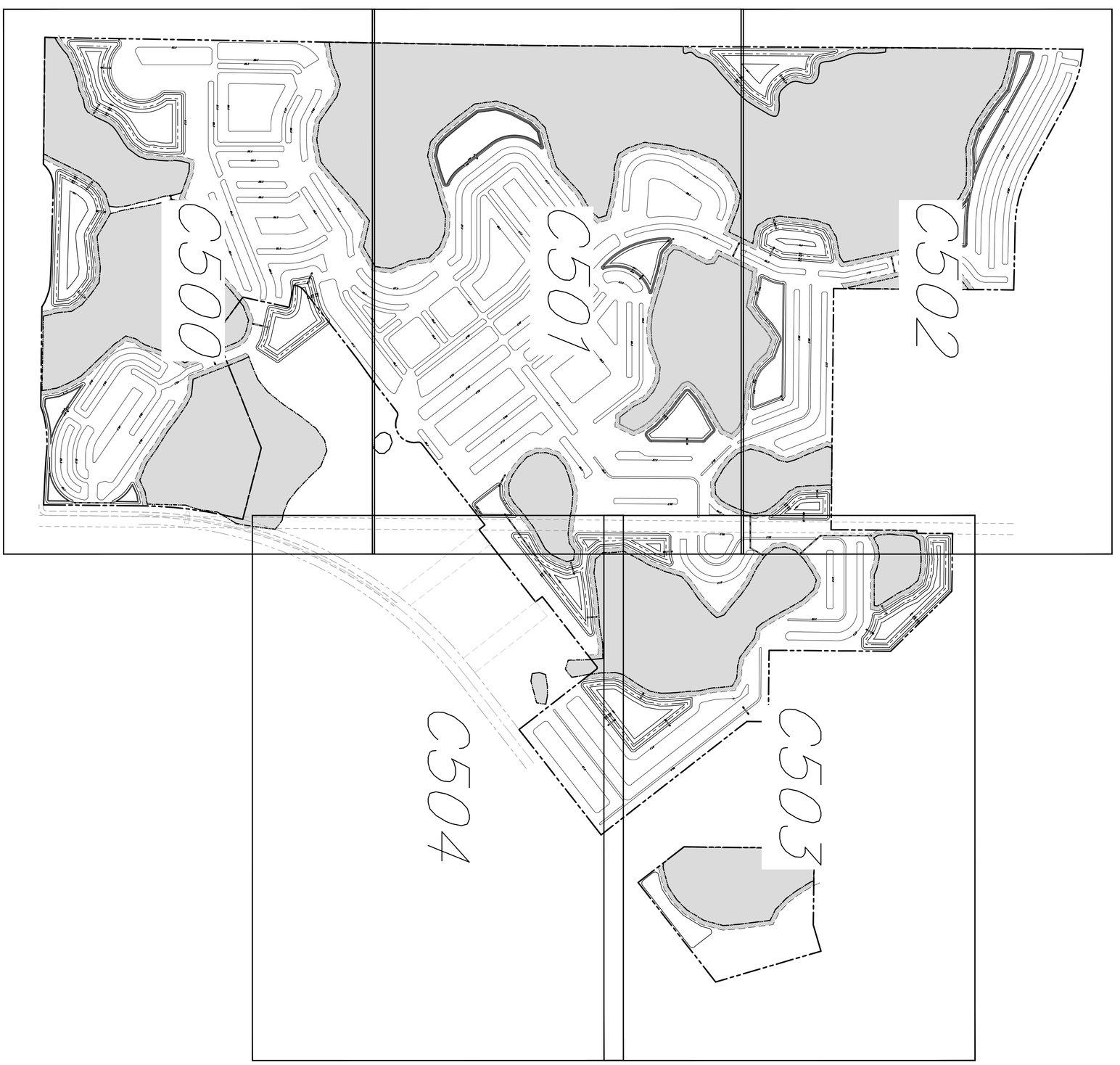

150' 0' 150' 300'

Sheet C400

Project No.: 21-04-0008
Drawn: RAH
Checked: RRB
O.C.: RCW
Date: APRIL 2021
Scale: 1" = 300'
DATUM:

Apr 01, 2022
RYAN R. BLAIDA, P.E.
FL P.E. #61017
Reg. Engineer

MASS GRADING PLANS FOR HILLSIDE GROVES HOWEY IN THE HILLS

PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

MASTER SITE PLAN

No.	Date	Revision	By

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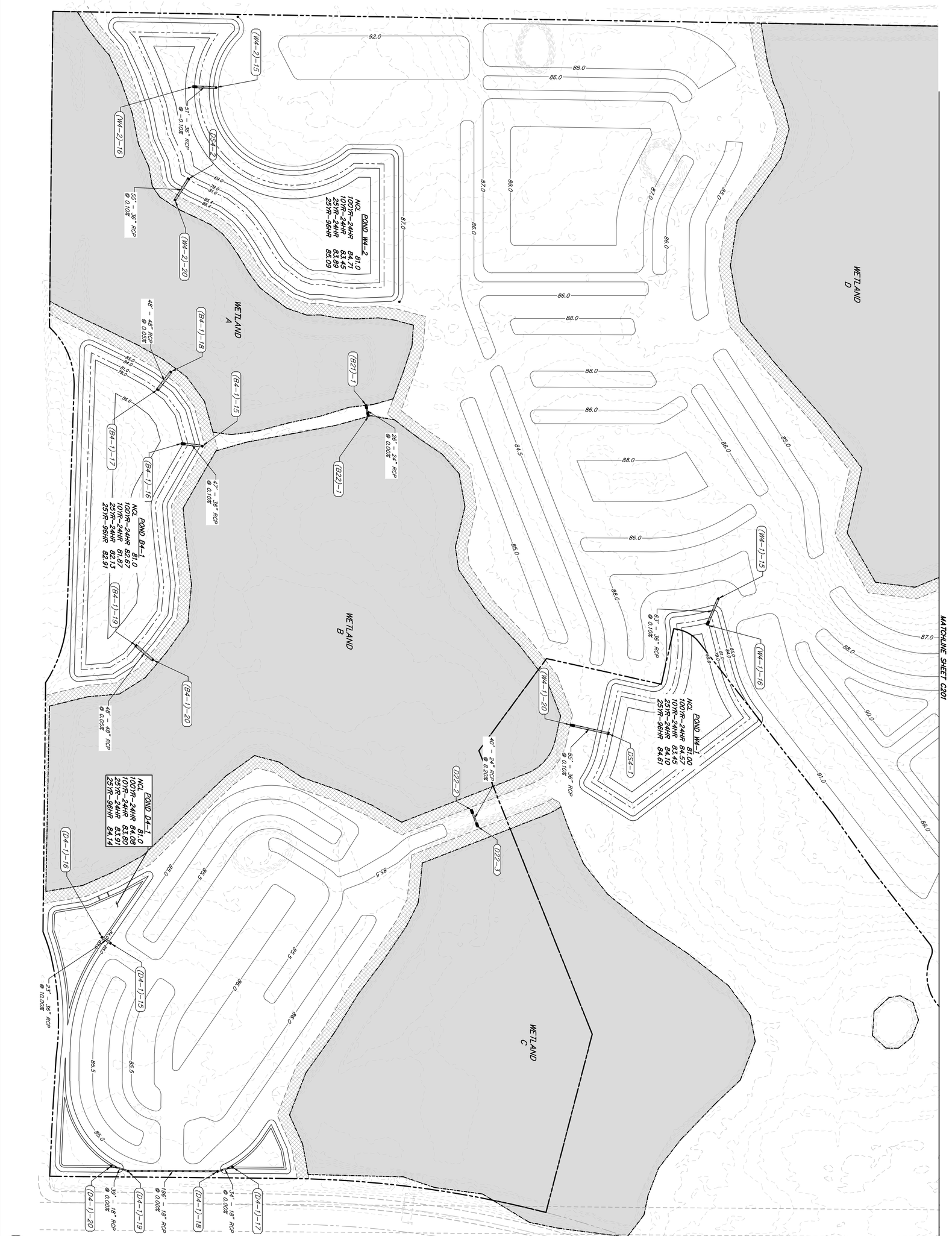

Sheet C500	Project No.: 21-04-0008	Apr 01, 2022 RYAN R. BLAIDA, P.E. FL P.E. #61017 Reg. Engineer	MASS GRADING PLANS FOR HILLSIDE GROVES HOWEY IN THE HILLS PREPARED FOR LENNAR - ORLANDO ORLANDO, FL
	Drawn: RAH		
	Checked: RRB		
	O.C.: RCW		
	Date: APRIL 2021		
	Scale: 1" = 100'		
	DATUM:		

MASS GRADING PLAN

No.	Date	Revision	By

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MATCHLINE SHEET C202

WETLAND D

WETLAND E

WETLAND F

WETLAND G3

(B2-1)-15
(B2-1)-10
(B2-1)-11
80' - 24" RCP @ 1.63%
(D1-2)-10
35' - 24" RCP @ 0.20%
(D1-2)-11
(D1-2)-16
28' - 36" RCP @ 0.10%
(D1-2)-15
POND D1-2
NCL 81.00
100YR-24HR 86.84
10YR-24HR 86.56
25YR-24HR 86.61
25YR-96HR 86.97
POND D1-3
NCL 81.00
100YR-24HR 83.00
10YR-24HR 83.00
25YR-24HR 83.00
25YR-96HR 83.00
(D1-3)-16
(D1-3)-15
32' - 24" RCP @ 0.20%
178' - 24" RCP @ 0.30%
(B6)-2
(I-4)-2
47' - 24" RCP @ 0.20%
(I-4)-1
POND W3-4
NCL 81.00
100YR-24HR 83.85
10YR-24HR 82.63
25YR-24HR 83.10
25YR-96HR 84.23
(B23)-1
(D1-4)-18
311' - 18" RCP @ 0.00%
(D1-4)-15
68' - 36" RCP @ 0.10%
(D1-4)-17
(D1-4)-16
POND D1-4
NCL 81.00
100YR-24HR 84.64
10YR-24HR 84.53
25YR-24HR 84.55
25YR-96HR 84.71
POND D1-1
NCL 81.00
100YR-24HR 85.63
10YR-24HR 85.09
25YR-24HR 85.56
25YR-96HR 85.67
23' - 36" RCP @ 0.10%
(D1-1)-10
(D1-1)-11

MATCHLINE SHEET C204

MATCHLINE SHEET C200

50' 0' 50' 100'

Printed: Apr 01, 2022 - 8:00am Printed By: Rob

J:\21\21-04-0008 Preserve at Howey\Design\Dwgs\Plots\MG\21-04-0008-MG-SITE.dwg

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No.	Date	Revision	By

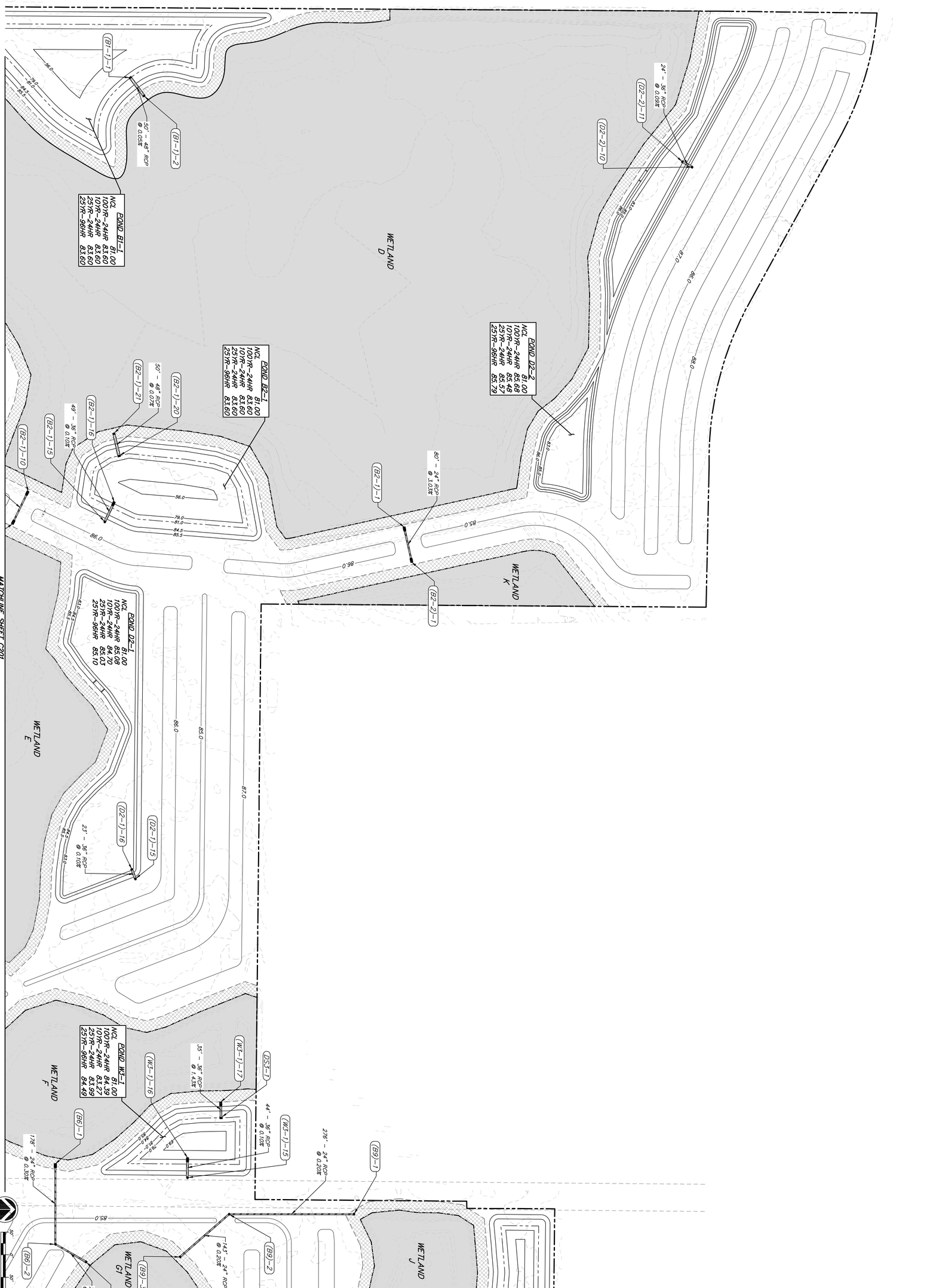
MASS GRADING PLAN

MASS GRADING PLANS
FOR HILLSIDE GROVES
HOWEY IN THE HILLS
PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

Apr 01, 2022
RYAN R. BLAIDA, P.E.
FL P.E. #61017
Reg. Engineer

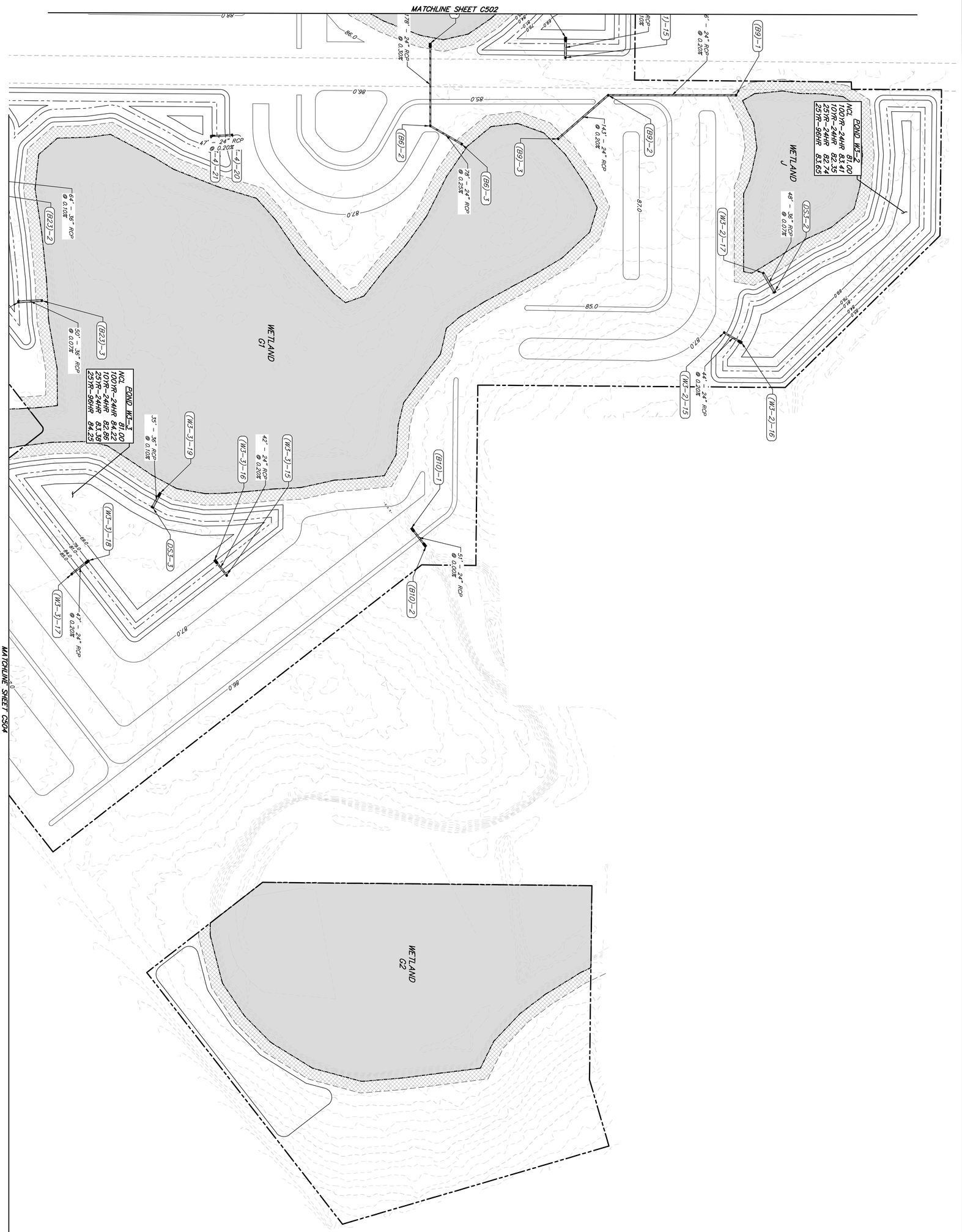
Project No.: 21-04-0008	
Designed: RRB	Drawn: RAH
Checked: RRB	O.C.: RCW
Date: APRIL 2021	
Scale: 1" = 100'	DATUM:

Sheet C501



Sheet C502	Project No.: 21-04-0008	Apr 01, 2022 RYAN R. BLAIDA, P.E. FL P.E. #61017 Reg. Engineer	MASS GRADING PLANS FOR HILLSIDE GROVES HOWEY IN THE HILLS PREPARED FOR LENNAR - ORLANDO ORLANDO, FL	MASS GRADING PLAN	Connelly & Wicker Inc. Planning · Engineering · Landscape Architecture 1560 NORTH ORANGE AVE., SUITE 210 WINTER PARK, FLORIDA 32789 (407) 261-3100 FAX: (407) 261-3099 www.cwieng.com FLORIDA REGISTRY: 3650 L.A. NUMBER: LC26000311
	Drawn: RAH				
	Checked: RRB				
	O.C.: RCW				
	Date: APRIL 2021				
	Scale: 1" = 100'				
	DATUM:				

No.	Date	Revision	By



Sheet C503

Project No.: 21-04-0008
Drawn: RAH
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O.C.: RCW
Date: APRIL 2021
Scale: 1" = 100'
DATUM:

Apr 01, 2022
RYAN R. BLAIDA, P.E.
FL P.E. #61017
Reg. Engineer

MASS GRADING PLANS
FOR HILLSIDE GROVES
HOWEY IN THE HILLS
PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

MASS GRADING PLAN

No.	Date	Revision	By

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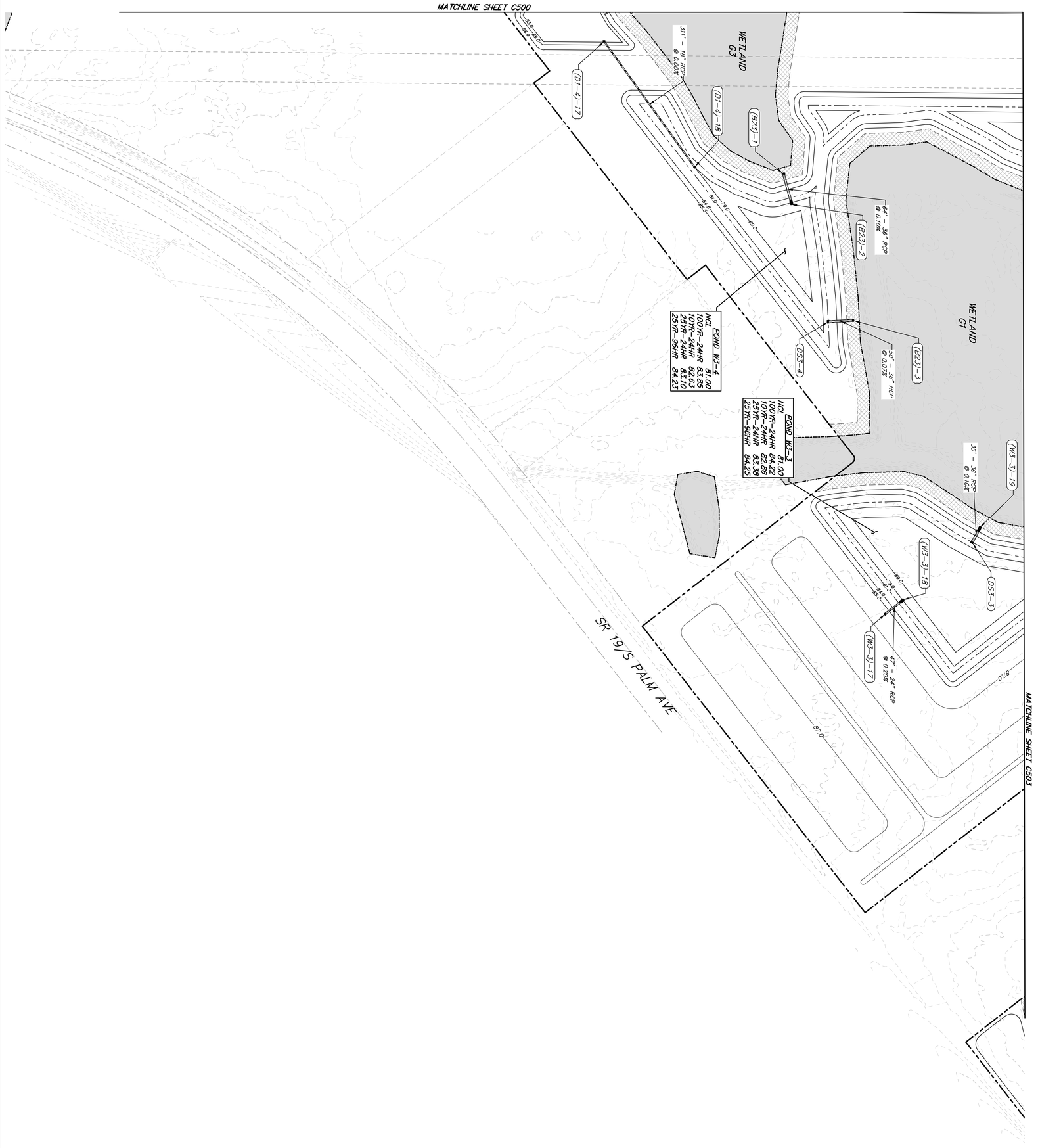

Apr 01, 2022
RYAN R. BLAIDA, P.E.
FL P.E. #61017
Reg. Engineer

MASS GRADING PLANS FOR HILLSIDE GROVES HOWEY IN THE HILLS

PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

MASS GRADING PLAN

No.	Date	Revision	By

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Project No.: 21-04-0008
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Date: APRIL 2021
Scale: 1" = 100'
DATUM:

Sheet C504

Drainage Structure Table			
Name	Type	Details	Location
(B1-1)-1	'H' DBI	RIM = 81.00 INV OUT = 74.00 (NE)	N: 1590487.4478 E: 403555.7193
(B1-1)-2	'C' DBI	RIM = 83.72 INV IN = 73.97 (SW)	N: 1590517.3890 E: 403593.7635
(B2-1)-15	'P' MH	RIM = 86.00 INV OUT = 77.05 (NW)	N: 1590430.5877 E: 404537.1609
(B2-1)-20	'H' DBI	RIM = 81.00 INV OUT = 74.00 (W)	N: 1590462.3094 E: 404391.1381
(B2-1)-21	'C' DBI	RIM = 79.22 INV IN = 73.96 (E)	N: 1590450.9195 E: 404342.4526
(B4-1)-15	'P' MH	RIM = 85.50 INV OUT = 77.05 (S)	N: 1586798.7540 E: 404300.1438
(B4-1)-17	'H' DBI	RIM = 81.00 INV OUT = 74.00 (NW)	N: 1586701.2472 E: 404175.7825
(B4-1)-18	'C' DBI	RIM = 84.69 INV IN = 73.98 (SE)	N: 1586729.7237 E: 404137.7254
(B4-1)-19	'H' DBI	RIM = 81.00 INV OUT = 74.00 (NE)	N: 1586654.0025 E: 404737.3604
(B4-1)-20	'C' DBI	RIM = 85.00 INV IN = 73.98 (SW)	N: 1586690.3546 E: 404768.0442
(B6)-2	'P' MH	RIM = 86.50 INV IN = 78.97 (W) INV OUT = 78.97 (NE)	N: 1590321.5469 E: 406133.5094
(B6)-3	'C' DBI	RIM = 82.99 INV IN = 78.77 (SW)	N: 1590389.3743 E: 406172.8217
(B9)-1	'C' DBI	RIM = 84.00 INV OUT = 79.22 (S)	N: 1590981.5085 E: 406067.3943
(B9)-2	'P' MH	RIM = 85.00 INV IN = 78.67 (N) INV OUT = 78.67 (SE)	N: 1590705.4672 E: 406067.3943
(B9)-3	'C' DBI	RIM = 83.38 INV IN = 78.38 (NW)	N: 1590597.3202 E: 406161.5856
(B23)-1	'E' DBI	RIM = 82.99 INV OUT = 77.00 (E)	N: 1589343.3217 E: 406216.2088
(B23)-3	'C' DBI	RIM = 82.98 INV IN = 73.96 (S)	N: 1589483.2381 E: 406510.5162
(D1-1)-10	'P' MH	RIM = 86.50 INV OUT = 77.02 (SW)	N: 1588830.1178 E: 404006.8948
(D1-1)-11	'C' DBI	RIM = 83.00 INV IN = 77.00 (NE)	N: 1588815.9923 E: 403988.7435
(D1-2)-10	'P' MH	RIM = 87.50 INV OUT = 83.07 (SE)	N: 1589901.3196 E: 404447.5867

Drainage Structure Table			
Name	Type	Details	Location
(D1-2)-15	'P' MH	RIM = 87.50 INV OUT = 83.03 (NW)	N: 1589717.9666 E: 404664.3054
(D1-3)-15	'P' MH	RIM = 87.00 INV OUT = 83.06 (W)	N: 1589976.7082 E: 405566.0790
(D1-4)-15	'P' MH	RIM = 87.25 INV OUT = 83.07 (SE)	N: 1588981.9451 E: 405736.7175
(D1-4)-17	'C' DBI	RIM = 83.00 INV IN = 79.50 (NE)	N: 1588983.0146 E: 405950.1727
(D1-4)-18	'C' DBI	RIM = 83.00 INV OUT = 79.50 (SW)	N: 1589165.1794 E: 406202.7459
(D2-1)-15	'P' MH	RIM = 86.00 INV OUT = 77.02 (W)	N: 1590498.5179 E: 405326.3260
(D2-1)-16	'C' DBI	RIM = 83.00 INV IN = 77.00 (E)	N: 1590490.4766 E: 405305.3121
(D2-2)-10	'P' MH	RIM = 86.50 INV OUT = 77.02 (SW)	N: 1591728.4355 E: 403752.9500
(D2-2)-11	'C' DBI	RIM = 83.00 INV IN = 77.00 (NE)	N: 1591706.9440 E: 403741.1979
(D4-1)-15	'P' MH	RIM = 85.00 INV OUT = 79.00 (SW)	N: 1586597.9018 E: 405388.5952
(D4-1)-16	'C' DBI	RIM = 83.00 INV IN = 76.70 (NE)	N: 1586578.9438 E: 405375.5723
(D4-1)-17	'C' DBI	RIM = 83.00 INV IN = 79.50 (S)	N: 1586864.7710 E: 405878.6754
(D4-1)-18	'P' MH	RIM = 86.50 INV IN = 79.50 (S) INV OUT = 79.50 (N)	N: 1586831.8669 E: 405888.2502
(D4-1)-19	'P' MH	RIM = 85.00 INV IN = 79.50 (S) INV OUT = 79.50 (N)	N: 1586636.2773 E: 405887.4845
(D4-1)-20	'C' DBI	RIM = 85.54 INV OUT = 79.50 (N)	N: 1586599.4136 E: 405876.2749
(W3-1)-15	'P' MH	RIM = 85.50 INV OUT = 77.04 (W)	N: 1590613.2596 E: 405986.4912
(W3-2)-15	'P' MH	RIM = 86.00 INV OUT = 77.09 (NE)	N: 1590955.8999 E: 406579.4621
(W3-2)-17	'C' DBI	RIM = 79.22 INV IN = 73.97 (NE)	N: 1591040.2441 E: 406451.1525
(W3-3)-15	'P' MH	RIM = 87.00 INV OUT = 78.08 (SW)	N: 1589882.1068 E: 407103.2258
(W3-3)-17	'P' MH	RIM = 87.00 INV OUT = 78.09 (NW)	N: 1589547.6729 E: 407100.2470

Drainage Structure Table			
Name	Type	Details	Location
(W3-4)-20	'P' MH	RIM = 86.50 INV OUT = 77.09 (S)	N: 1589893.7446 E: 406153.0898
(W4-1)-15	'P' MH	RIM = 87.50 INV OUT = 77.06 (SE)	N: 1587928.8718 E: 404634.1131
(W4-2)-15	'P' MH	RIM = 86.50 INV OUT = 76.95 (S)	N: 1586828.8646 E: 403514.8492
(W4-2)-20	'C' DBI	RIM = 85.00 INV IN = 76.95 (NW)	N: 1586739.1286 E: 403761.1542

Drainage Structure Table (MES/Headwall)			
Name	Type	Details	Location
(B2-1)-1	MES	INV OUT = 82.42 (E)	N: 1591091.9691 E: 404548.4631
(B2-1)-10	MES	INV IN = 79.46 (SE)	N: 1590261.2829 E: 404469.7152
(B2-1)-11	MES	INV OUT = 80.76 (NW)	N: 1590226.6484 E: 404541.8294
(B2-1)-16	MES	INV IN = 77.00 (SE)	N: 1590451.8013 E: 404492.9909
(B2-2)-1	MES	INV IN = 80.00 (W)	N: 1591109.2309 E: 404626.5786
(B4-1)-16	MES	INV IN = 77.00 (N)	N: 1586752.4108 E: 404294.5408
(B6)-1	MES	INV OUT = 79.50 (E)	N: 1590321.5469 E: 405955.4683
(B10)-1	MES	INV OUT = 81.00 (NE)	N: 1590280.9307 E: 407001.3127
(B10)-2	MES	INV IN = 81.00 (SW)	N: 1590311.9616 E: 407041.1971
(B21)-1	MES	INV OUT = 85.00 (E)	N: 1587157.1827 E: 404209.6026
(B22)-1	MES	INV IN = 85.00 (W)	N: 1587162.8809 E: 404234.9060
(B23)-2	MES	INV IN = 76.94 (W)	N: 1589360.4420 E: 406277.8764
(D1-2)-11	MES	INV IN = 83.00 (NW)	N: 1589869.0135 E: 404461.1340
(D1-2)-16	MES	INV IN = 83.00 (SE)	N: 1589738.0965 E: 404645.0567
(D1-3)-16	MES	INV IN = 83.00 (E)	N: 1589976.9796 E: 405534.0802
(D1-4)-16	MES	INV IN = 83.00 (NW)	N: 1588950.5011 E: 405796.7379
(W3-1)-16	MES	INV IN = 77.00 (E)	N: 1590613.5903 E: 405942.4926
(W3-1)-17	MES	INV IN = 76.50 (E)	N: 1590686.9868 E: 405819.1722
(W3-2)-16	MES	INV IN = 77.00 (SW)	N: 1590993.8058 E: 406601.8036
(W3-3)-16	MES	INV IN = 78.00 (NE)	N: 1589856.3162 E: 407070.0770

Drainage Structure Table (MES/Headwall)			
Name	Type	Details	Location
(W3-3)-18	MES	INV IN = 78.00 (SE)	N: 1589584.7306 E: 407071.3378
(W3-3)-19	MES	INV IN = 76.97 (SE)	N: 1589739.1179 E: 406925.3072
(W3-4)-21	MES	INV IN = 77.00 (N)	N: 1589847.3574 E: 406156.3374
(W4-1)-16	MES	INV IN = 77.00 (NW)	N: 1587904.4818 E: 404691.8339
(W4-1)-20	MES	INV IN = 76.92 (N)	N: 1587604.9019 E: 404910.4966
(W4-2)-16	MES	INV IN = 77.00 (N)	N: 1586777.9057 E: 403512.8034
D22-2	MES	INV OUT = 81.79 (E)	N: 1587387.8934 E: 405096.2266
D22-3	MES	INV IN = 78.51 (W)	N: 1587402.3245 E: 405133.5096

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FLORIDA REGISTRY: 3650 L.A. NUMBER: LC26000311

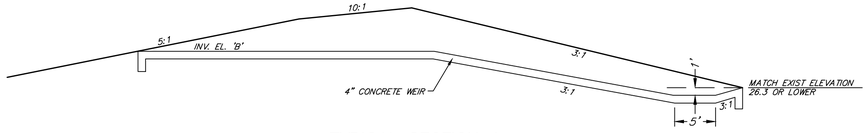
No.	Date	Revision	By

STRUCTURE TABLES

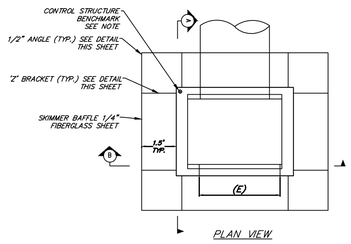
MASS GRADING PLANS
FOR HILLSIDE GROVES
HOWEY IN THE HILLS
PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

Apr 01, 2022
RYAN R. BLAIDA, P.E.
FL P.E. #61017
Reg. Engineer

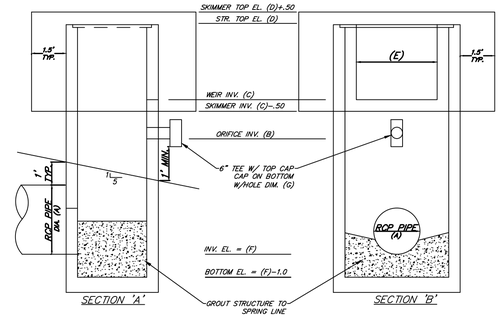
Project No.: 21-04-0008
Designed: RRB | Drawn: RAH
Checked: RRB | O.C.: RCW
Date: APRIL 2021
Scale: N/A | DATUM:
Sheet C505



TYPICAL SECTION A
N.T.S.



PLAN VIEW

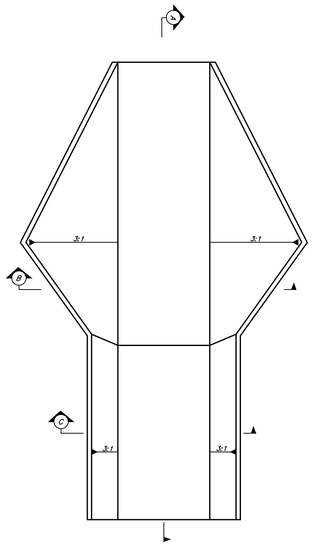


NOTE:
STRUCTURES SHALL HAVE AN OSCEOLA COUNTY BRASS DISK BENCHMARK PERMANENTLY SET ON TOP OF THE STRUCTURE USING NON-SHRINK GROUT. ELEVATION OF BENCHMARK SHALL BE CERTIFIED TO OSCEOLA COUNTY BY A FLORIDA REGISTERED PROFESSIONAL SURVEYOR.

TYPICAL CONTROL STRUCTURE DETAIL
N.T.S.

CONTROL STRUCTURE ELEVATIONS

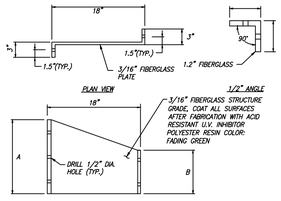
POND	I.D. NO.	STR. TYPE	PIPE DIA. (A)	ELEV. (B)	ELEV. (C)	ELEV. (D)	DIM. (E)	ELEV. (F)	DIM. (G)	ORIFICE QUANTITY
W3-1	DS3-1	DS	36"	81.00	84.00	85.00	36"	77.00	3.00"	1
W3-2	DS3-2	DS	36"	81.00	84.00	85.00	36"	77.00	3.00"	1
W3-3	DS3-3	DS	36"	81.00	84.00	85.00	36"	77.00	3.00"	1
W3-4	DS3-4	DS	36"	81.00	84.50	85.50	36"	77.00	3.00"	1
W4-1	DS4-1	DS	36"	81.00	84.00	85.00	36"	77.00	3.00"	1
W4-2	DS4-2	DS	36"	81.00	82.50	86.40	36"	77.00	3.00"	1



PLAN VIEW
N.T.S.

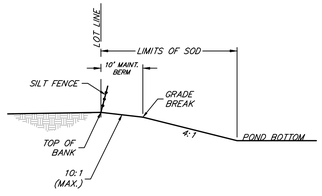
BROADCRESTED WEIR STRUCTURE DIM.

POND	EL. (B)	DIM. (C)
W1-1	85.50	25'
W1-2	86.50	25'
W1-3	86.50	25'
W1-4	84.50	25'
W2-1	85.00	25'
W2-2	85.50	25'
W4-1	83.50	25'

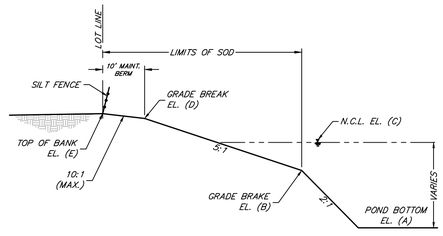


NOTES:
1. MOUNT BRACKETS TO SKIMMERS W/ 1/4" STAINLESS STEEL BOLTS.
2. MOUNT BRACKETS TO STRUCTURES W/ 3/8" x 3-1/2" STAINLESS STEEL WEDGE ANCHORS.
3. A PERMANENT BENCH MARK IS TO BE SET IN A PERMANENT MANNER ON TOP OF THE OUTFALL CONTROL STRUCTURE.
4. SKIMMER TO BE MOUNTED TO DBI IN ACCORDANCE WITH MANUFACTURES SPECIFICATIONS USING 'Z' BRACKETS.
5. THE CONTROL STRUCTURES ARE TO BE LOCATED IN THE POND PER THE CONTROL STRUCTURE DETAIL.
6. ALL BOX STRUCTURES ARE TO INCLUDE GRATES AND CHAINS.

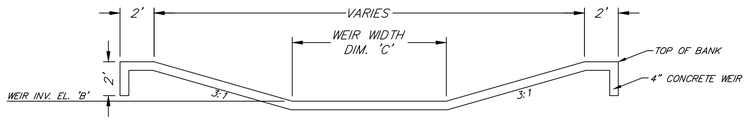
MOUNTING 'Z' BRACKET DETAIL
N.T.S.



TYPICAL DRY POND SECTION
N.T.S.



TYPICAL WET POND SECTION
N.T.S.



TYPICAL SECTION B
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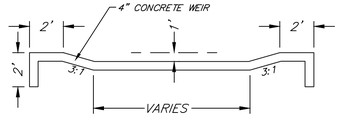

TYPICAL SECTION C
N.T.S.

BROADCRESTED WEIR STRUCTURE DETAIL
N.T.S.

PEAK STAGE SUMMARY

POND	NCL	TOP OF BANK	25YR/24HR	10YR/24HR	100YR/24HR	25YR/96HR
B1-1	81.0	85.5	83.6	83.6	83.6	83.6
B2-1	81.0	85.5	83.6	83.6	83.6	83.6
B4-1	81.0	85.00	82.1	81.9	82.7	81.9
D1-1	81.0	85.0	85.6	85.1	85.6	85.1
D1-2	81.0	87.0	86.6	86.6	86.8	86.9
D1-3	81.0	87.0	83.0	83.0	83.0	83.0
D2-1	81.0	85.8	85.0	84.7	85.1	84.7
D2-2	81.00	86.1	85.6	85.5	85.7	85.5
D4-1	81.00	85.0	83.9	83.8	84.1	83.8
W3-1	81.00	85.0	83.99	83.3	84.4	83.3
W3-2	81.00	85.0	82.7	82.4	83.4	82.4
W3-3	81.00	85.0	83.4	82.9	84.2	82.9
W3-4	81.00	85.5	83.1	82.6	83.9	82.6
W4-1	81.00	85.0	84.1	83.5	84.6	83.5
W4-2	81.00	86.4	83.9	83.5	84.7	83.5

POND ELEVATIONS

POND	ELEV. (A)	ELEV. (B)	ELEV. (C)	ELEV. (D)	ELEV. (E)
B1-1	71.0	79.0	81.0	84.5	85.5
B2-1	71.0	79.0	81.0	84.5	85.5
B4-1	69.0	79.0	81.0	84.0	85.0
D1-1	69.0	79.0	81.0	84.0	85.0
D1-2	69.0	79.0	81.0	86.0	87.0
D1-3	69.0	79.0	81.0	86.0	87.0
D2-1	69.00	79.00	81.00	84.50	85.5
D2-2	71.0	79.0	81.00	85	86.1
D4-1	69.0	79.00	81.00	84	85.0
W3-1	69.0	79.00	81.00	84	85.0
W3-2	69.0	79.0	81.00	84.00	85.00
W3-3	69.00	79.00	81.00	84.00	85.00
W3-4	69.00	79.0	81.0	84.00	85.5
W4-1	71.00	79.00	81.00	84.00	85.00
W4-2	71.5	79.00	81.00	85.4	86.4

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No.	Date	Revision	By

CONTROL STRUCTURE DETAILS

MASS GRADING PLANS
FOR HILLSIDE GROVES
HOWEY IN THE HILLS
PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

Apr 01, 2022
RYAN R. BLADA, P.E.
FL P.E.: #61017
Reg. Engineer

Project No.: 21-04-0008	
Designed: RRB	Drawn: RAH
Checked: RRB	O.C.: RCW
Date: APRIL 2021	
Scale: 1" = 100'	DATUM:

Sheet C510

OWNER'S REQUIREMENTS

SITE DESCRIPTION

PROJECT NAME AND LOCATION:
HILLSIDE GROVES
HOWEY-IN-THE-HILLS
LAKE COUNTY, FL

OWNER NAME AND ADDRESS:
LENNAR - ORLANDO
6750 FORUM DRIVE, SUITE 310
ORLANDO, FL 32821

DESCRIPTION:
RESIDENTIAL SUBDIVISION

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING AND GRUBBING; EARTHWORK, PAVEMENT AND GRADING; STORM SEWER, AND PREPARATION FOR FINAL PLANTING AND SEEDING.

RUNOFF COEFFICIENT:
1. PRE-CONSTRUCTION = .3
2. DURING CONSTRUCTION = .8
3. POST-CONSTRUCTION = .8

SOILS:
SEE SOIL BORING REPORT FOR SOILS DATA

SITE MAPS:
* SEE ATTACHED GRADING PLAN FOR PRE & POST DEVELOPMENT GRADES, AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS.
* SEE ATTACHED EROSION & TURBIDITY CONTROL PLAN FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES, AND TURBIDITY BARRIERS
* SEE GENERAL NOTES FOR REQUIREMENTS FOR TEMPORARY AND PERMANENT STABILIZATION.

SITE AREA:
1. TOTAL AREA OF SITE = 375.2 AC
2. TOTAL AREA TO BE DISTURBED = 239.3 AC

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

STORM WATER MANAGEMENT

STORM WATER DRAINAGE WILL BE PROVIDED BY (DESRIPTION:) _____ WET & DRY DETENTION AREAS

FOR THE PROJECT. AREAS WHICH ARE NOT TO BE CONSTRUCTED ON, BUT WILL BE REGARDED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE. THE SITE DISCHARGES TO A DRAINAGE SYSTEM AS SHOWN ON THE PLANS. WHERE PRACTICAL, TEMPORARY SEDIMENT BASINS WILL BE USED TO INTERCEPT SEDIMENT BEFORE ENTERING THE PERMANENT DETENTION BASIN.

TIMING OF CONTROLS/MEASURES

REFER TO " CONTRACTORS RESPONSIBILITY" FOR THE TIMING OF CONTROL/MEASURES.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM WATER MANAGEMENT AND EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED.

D.E.P. DREDGE/FILL PERMIT # _____
C.O.E. DREDGE/FILL PERMIT # _____
S.J.R.W.M.D. M.S.S.W. PERMIT # _____

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____

DATED: _____

CONTRACTOR'S REQUIREMENTS

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND HAY BALES AS REQUIRED
3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN
4. CONSTRUCT SEDIMENTATION BASIN
5. CONTINUE CLEARING AND GRUBBING
6. STOCK PILE TOP SOIL IF REQUIRED
7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED
8. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE
9. INSTALL UTILITIES, STORM SEWER, CURBS & GUTTER.
10. APPLY BASE TO PROJECT
11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING
12. COMPLETE FINAL PAVING
13. REMOVE ACCUMULATED SEDIMENT FROM BASINS
14. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES AND STABILIZED CONSTRUCTION ENTRANCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE EROSION & TURBIDITY CONTROL PLAN.

CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED , MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED,TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND TURBIDITY CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

EROSION AND SEDIMENT CONTROLS
STABILIZATION PRACTICES

1. HAY BALE BARRIER: HAY BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
   C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
   D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.

   REFER TO LOCAL JURISDICTION DETAIL FOR CONSTRUCTING THE HAY BALE BARRIER.

2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.

3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.

4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE. LEVEL SPREADER SHALL BE CONSTRUCTED IN ACCORDANCE TO LOCAL JURISDICTION DETAIL.

5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.

6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODEABLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.

7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.

8. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 30 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.

9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH B ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.

10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.

11. TEMPORARY REGRASSING : IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.

12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.

13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.

14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

STRUCTURAL PRACTICES

1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.

2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA.
   THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:
   A. BLOCK & GRAVEL SEDIMENT FILTER - THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.
   B. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED AREAS.
   C. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.

3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES & HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.

4. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE.

THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS,WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

☒ Concrete	☒ Fertilizers	☒ Wood
☒ Asphalt	☒ Petroleum Based Products	☒ Masonry Blocks
☒ Tar	☒ Cleaning Solvents	☒ Roofing Materials
☒ Detergents	☒ Paints	☒ Metal Studs
☐ _____	☐ _____	☐ _____

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS
ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS
ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS
CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

* NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
* ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.
* ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
* BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.
* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.

  THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS.
  THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

* WATER FROM WATER LINE FLUSHING
* PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).
* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE PROPER SEDIMENT TRAPS PRIOR TO DISCHARGE.

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

RESPONSIBLE FOR/DUTIES	BUSINESS NAME AND ADDRESS OF CONTRACTOR & ALL SUBS	SIGNATURE
GENERAL CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		
SUB-CONTRACTOR		

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FLORIDA REGISTRY: 3650 L.A. NUMBER: LC26000311

No.	Date	Revision	By

SWPPP

MASS GRADING PLANS
FOR HILLSIDE GROVES
HOWEY IN THE HILLS
PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

Apr 01, 2022
RYAN R. BLADA, P.E.
FL P.E. #61017
Reg. Engineer

Project No.: 21-04-0008
Designed: RRB | Drawn: RAH
Checked: RRB | O.C.: RCW
Date: APRIL 2021
Scale: N/A | DATUM:

Sheet C950

Master Utility Design for

POTABLE WATER & FIRE FLOW ANALYSIS

Hillside Groves

FOR

Lennar Homes LLC

Date: April 2022

BY

Connelly & Wicker Inc.
Planning • Engineering • Landscape Architecture

1560 North Orange Ave.
Suite 210
Winter Park, FL 32789
CWI Job # : 18-04-0004
Certificate of Authorization No. 3650

Ryan R Blaida

Digitally signed by Ryan R Blaida
DN: c=US, o=CONNELLY AND WICKER INC., ou=A01410D000000177017283E20013904, cn=Ryan R Blaida
Date: 2022.04.01 09:53:11 -04'00'

RYAN BLAIDA LICENSE No. 61017 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ryan Blaida, P.E.
FL PE # 61017

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Tab 1: Introduction

A. Introduction

1. Project Overview

Hillside Groves is a 375.2-acre single-family residential home project located north of State Road 19 and southwest of W. Central Ave. and S. Florida Ave. in Howey in the Hills, Lake County, Florida. It is situated in Section 35, Township 20S, Range 25E. Please see Location Map and Figure 2 Aerial Map, both under Tab 2 of this report.

Hillside Groves is a large PUD with supporting roads and infrastructure. The purpose of this report is to demonstrate the potable water system is designed to meet the potable water demand for the proposed development.

2. Utility Provider

The City of Howey in the Hills is the potable water provider for this project. This analysis takes into consideration City of Howey in the Hills design criteria. Where specific criteria are not set by the City, standards from nearby utility providers will be utilized.

B. Design Criteria

1. Potable Water Demand

The Average Daily Flow (ADF) is calculated based on number of single- family homes in the project and based on flow per unit. A peaking factor of 2 is used for Maximum Daily Flow (MDF), and a peaking factor of 4 is used for Peak Hourly Flow (PHF). Please refer to Table 1 for Potable Water Demand Calculations in Tab 3.

2. Fire Hydrant Demand

1000 gpm was used for fire hydrant demand in this analysis.

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3. Tie-in Conditions

Potable water tie-in pressure were obtained via a hydrant flow test near the project provided by JJ Southall from the town. Please see Hydrant Flow Test in Tab 3.

C. Methodology

1. Software

The analysis for the potable water system and reclaimed water system were performed using Bentley WaterCAD V8i SELECT series 3 (WaterCAD). This software analyzes flows and pressure distribution in a pressurized system given known parameters such as demands, pipe length, pipe size and other relevant distribution system properties.

2. Potable Water System Model

The proposed potable water network was set up in WaterCAD with pipes, junctions and hydrants. There are two (2) connections to the existing Water system. One is on the Number 2 Road R/W and the other is in the State Road 19 R/W.

The connections are modeled as reservoirs with total head based on the pressure test and existing elevation.

Potable water demand was assigned at the junctions shown in Tab 4: WaterCad Reports for Potable Water System.

The fire hydrant demands are assigned to the following hydrants in WaterCAD, they are:
H-9, H-11, H-13, H-16, H-19, H-21, H-22, H-23, H-24, H-25, H-26, H-27

Minor losses have been added to the pipe network. Hazen-William's coefficient, 'C' of 120 is used for PVC pipe.

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3. Potable Water System Scenarios

I. Maximum Daily Flow with Fire Flow

In this scenario, the MDF demand was analyzed in conjunction with fire flow, assuming one fire hydrant is in use at any given moment. The system is designed to maintain a minimum pressure of 20 psi in this scenario.

II. Peak Hourly Flow

In this scenario, the PHF demand was analyzed. The system is designed to maintain a minimum pressure of 30 psi in this scenario.

D. Conclusion

The results of the WaterCAD analysis indicate that the potable water system as designed is capable of providing the minimum pressure of 20 psi during a MDF plus Fire Flow event.

Please see Tab 4 WaterCAD Reports for Potable Water System

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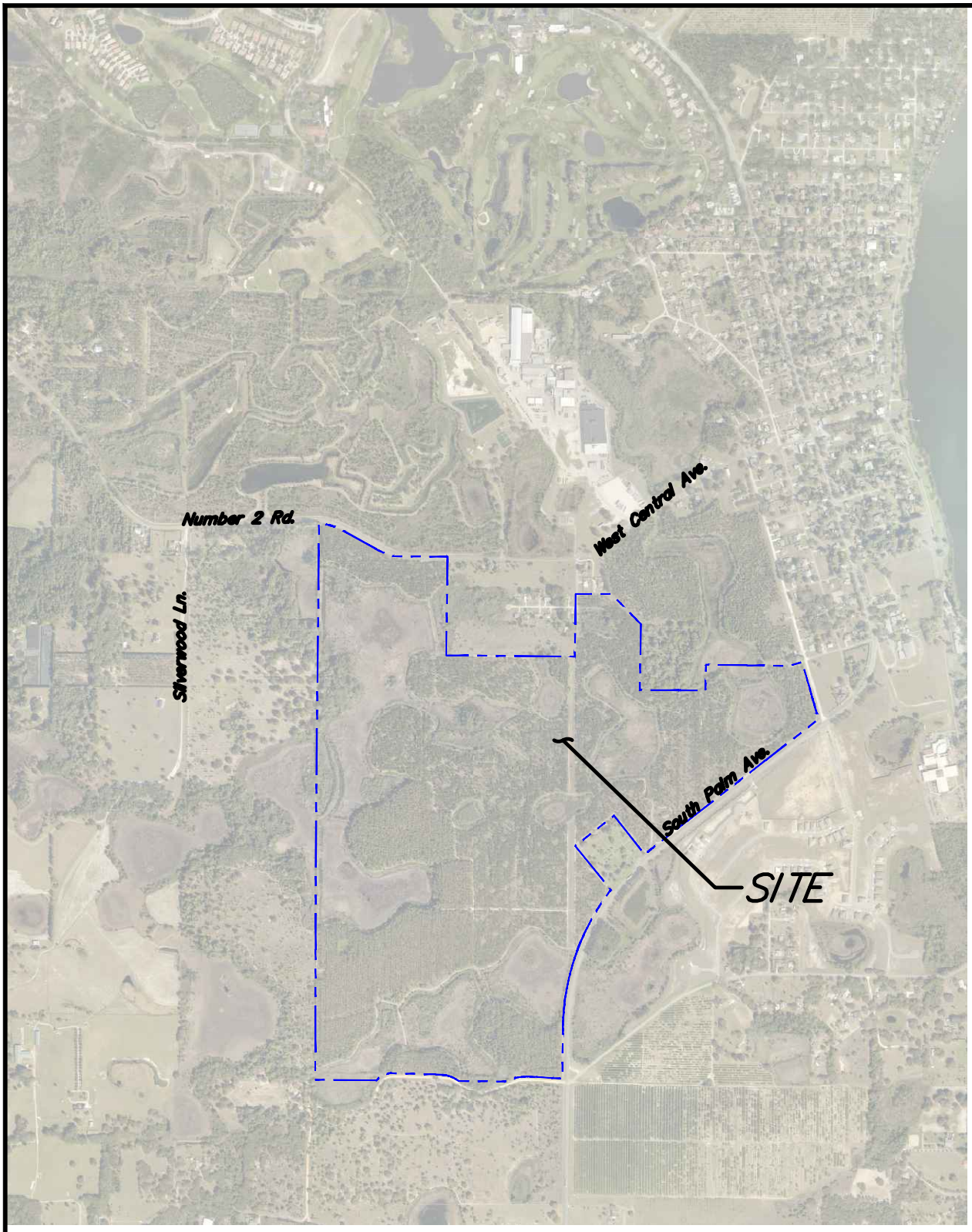
Tab 2: Figures



SOURCE: LABINS

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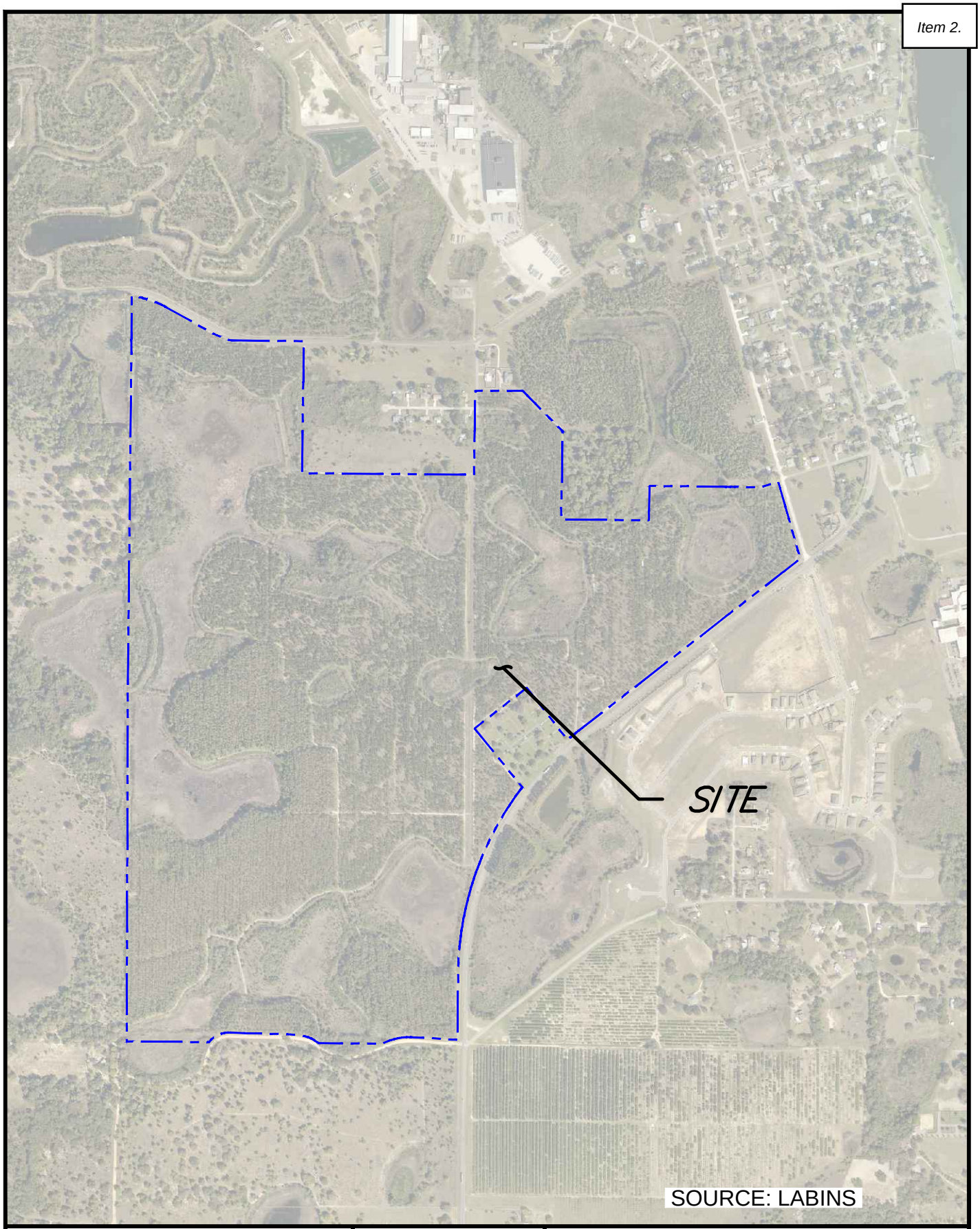
0 375' 750'
1" = 750'

FIGURE 1
SITE LOCATION MAP

21-04-0008

March 2022



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0 375' 750'
1" = 750'

FIGURE 2
AREIAL MAP

21-04-0008

March 2022

Tab 3: Design Tables

Project: Preserve at Howey
Table: 1: Flow Calculations
Engineer(s): HC
Date: 3/2/2022 Revised: 3/25/2022
Job No.: 21-04-0008

Water Demand Flows

Use	Units	Flow per Unit (gpd)	Total Flow (gpd)	
Single Family	709	300	212700	
Villa	0	300	0	
	Total		212700	gpd
		ADF=	148	gpm
		MDF=	332	gpm
		PHF=	591	gpm

Water Demand Per Junction - Zone 1

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-59	0	300	0.0	0.0	0.0
J-66	81	300	16.9	33.8	67.5

Water Demand Per Junction - Zone 2

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-34	0	300	0.0	0.0	0.0
J-69	64	300	13.3	26.7	53.3

Water Demand Per Junction - Zone 3

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-38	4	300	0.8	1.7	3.3
J-45	1	300	0.2	0.4	0.8
J-73	6	300	1.3	2.5	5.0
J-74	8	300	1.7	3.3	6.7
J-75	0	300	0.0	0.0	0.0
J-76	8	300	1.7	3.3	6.7
J-80	10	300	2.1	4.2	8.3
J-81	8	300	1.7	3.3	6.7

Water Demand Per Junction - Zone 4

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-105	10	300	2.1	4.2	8.3
J-109	23	300	4.8	9.6	19.2
J-110	22	300	4.6	9.2	18.3
J-116	0	300	0.0	0.0	0.0
J-117	6	300	1.3	2.5	5.0
J-118	6	300	1.3	2.5	5.0
J-119	6	300	1.3	2.5	5.0
J-115	5	300	1.0	2.1	4.2
J-121	6	300	1.3	2.5	5.0
J-185	0	300	0.0	0.0	0.0
J-187	0	300	0.0	0.0	0.0

Water Demand Per Junction - Zone 5

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-95	0	300	0.0	0.0	0.0
J-103	5	300	1.0	2.1	4.2
J-104	6	300	1.3	2.5	5.0
J-98	6	300	1.3	2.5	5.0
J-99	3	300	0.6	1.3	2.5
J-132	15	300	3.1	6.3	12.5
J-93	3	300	0.6	1.3	2.5
J-92	5	300	1.0	2.1	4.2
J-96	5	300	1.0	2.1	4.2
J-97	6	300	1.3	2.5	5.0
J-124	6	300	1.3	2.5	5.0
J-137	0	300	0.0	0.0	0.0
J-138	0	300	0.0	0.0	0.0

Water Demand Per Junction - Zone 6

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-125	7	300	1.5	2.9	5.8
J-129	8	300	1.7	3.3	6.7
J-126	8	300	1.7	3.3	6.7
J-130	6	300	1.3	2.5	5.0
J-127	8	300	1.7	3.3	6.7
J-131	8	300	1.7	3.3	6.7
J-143	0	300	0.0	0.0	0.0

Water Demand Per Junction - Zone 7

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-33	0	300	0.0	0.0	0.0
J-146	18	300	3.8	7.5	15.0
J-141	0	300	0.0	0.0	0.0

Water Demand Per Junction - Zone 8

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-142	0	300	0.0	0.0	0.0
J-30	22	300	4.6	9.2	18.3
J-52	7	300	1.5	2.9	5.8
J-148	22	300	4.6	9.2	18.3
J-139	16	300	3.3	6.7	13.3
J-159	0	300	0.0	0.0	0.0
J-160	10	300	2.1	4.2	8.3

Water Demand Per Junction - Zone 9

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-158	12	300	2.5	5.0	10.0
J-57	10	300	2.1	4.2	8.3
J-154	8	300	1.7	3.3	6.7
J-27	0	300	0.0	0.0	0.0
J-152	4	300	0.8	1.7	3.3
J-161	11	300	2.3	4.6	9.2
J-162	4	300	0.8	1.7	3.3

Water Demand Per Junction - Zone 10

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-10	0	300	0.0	0.0	0.0
J-186	52	300	10.8	21.7	43.3
J-189	0	300	0.0	0.0	0.0

Water Demand Per Junction - Zone 11

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-26	4	300	0.8	1.7	3.3
J-25	4	300	0.8	1.7	3.3
J-23	10	300	2.1	4.2	8.3
J-163	3	300	0.6	1.3	2.5
J-20	15	300	3.1	6.3	12.5
J-164	8	300	1.7	3.3	6.7
J-171	8	300	1.7	3.3	6.7

Water Demand Per Junction - Zone 12

Junction	Units per Junction	Flow per Unit (gpd)	ADF per Junction (gpm)	MDF per Junction (gpm)	PHF per Junction (gpm)
J-18	17	300	3.5	7.1	14.2
J-6	6	300	1.3	2.5	5.0
J-15	4	300	0.8	1.7	3.3
J-16	8	300	1.7	3.3	6.7
J-13	17	300	3.5	7.1	14.2
J-11	0	300	0.0	0.0	0.0
J-9	18	300	3.8	7.5	15.0
J-7	3	300	0.6	1.3	2.5
J-22	6	300	1.3	2.5	5.0

Note:

1) Peak Factor of 4 used for PHF, PF of 2.00 used for MDF.
2) Total Units = 706
   Total Junctions = 108

Ryan Blaida

From: James Southall <jsouthall@howey.org>
Sent: Friday, February 18, 2022 7:54 AM
To: Ryan Blaida
Subject: Re: The Reserve at Howey

[EXTERNAL EMAIL]

Good Morning Ryan,

Water pressure on South Florida which head to Venezia on a 12-inch main at the hydrant

Static pressure 60psi
Residual pressure 55 psi
Gallons per Minute 1000

On number 2 road across from the Juice plant
Static 60
Residual 20
Gallons per minute 700

I will have the FM pressure as soon as my field techs can get them. Sorry for the delay

JJ Southall
Utility Supervisor
Howey in the Hills

From: Ryan Blaida <rblaida@cwieng.com>
Sent: Tuesday, February 15, 2022 8:32 AM
To: James Southall <jsouthall@howey.org>; Morgan Cates <mcates@howey.org>; Don Griffey <dag@griffeyengineering.com>
Subject: The Reserve at Howey

Per our conversation last week at the DRC please send over:

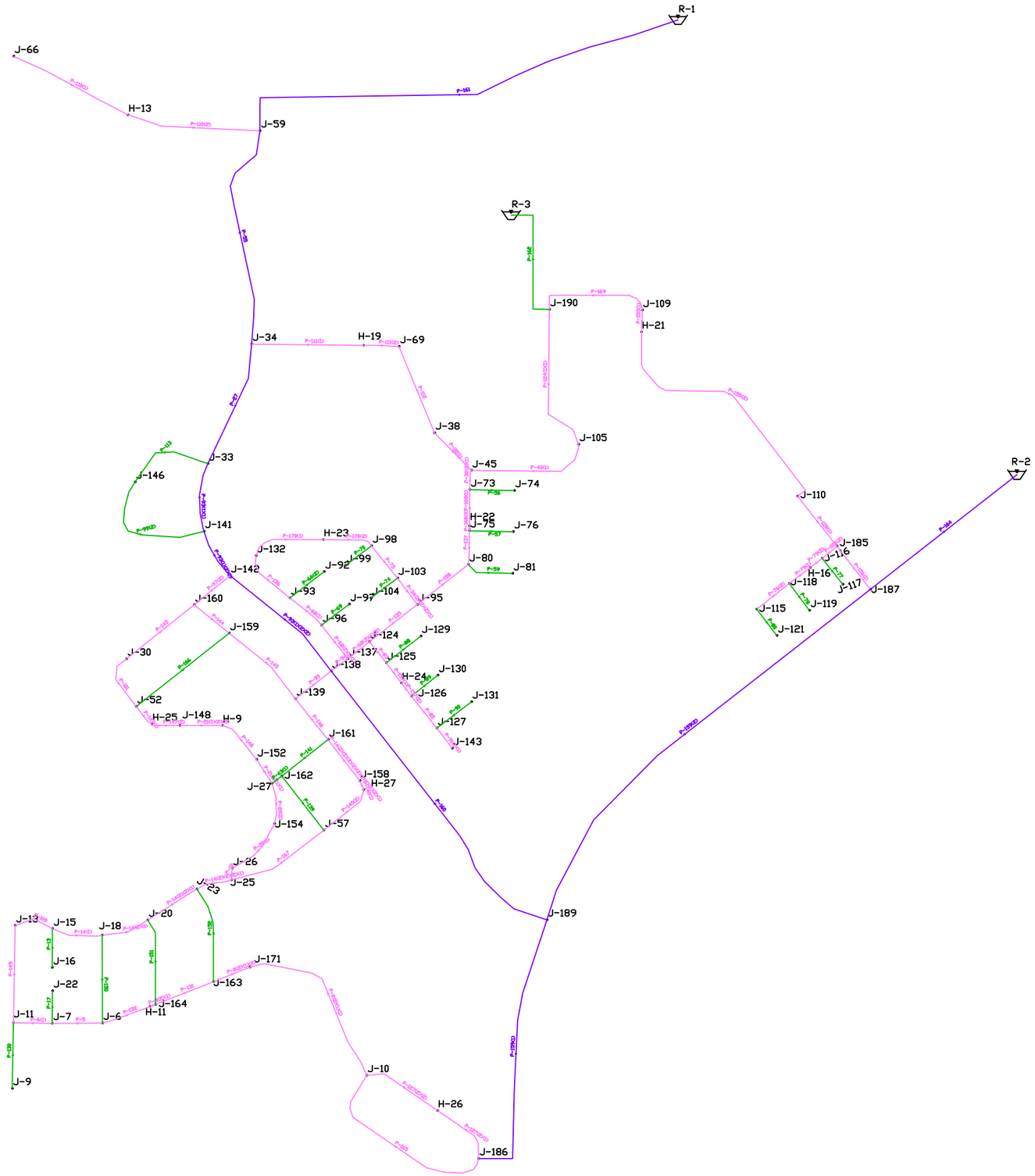
1. Water tie in pressures at our tie in points. 12" near plant and 12" at Venezia Blvd
2. FM tie in pressure at 10" FM on Number 2 Road and FM on 19 coming from Venezia
3. Don you mentioned some master system CAD files you might be able to send over

Thanks!!

Ryan Blaida, P.E.
Senior Project Manager
Connelly & Wicker, Inc.
1560 North Orange Ave. | Suite 210 | Winter Park, Florida 32789
P: 407.261.3100 x205 | C: 407.284.5140
www.cwieng.com

Tab 4: WaterCAD Reports for Potable Water System

Printed: Mar 31, 2022 - 12:18pm Printed By: Halim



LEGEND

- 6”
- 8”
- 12”
- J-129 JUNCTION
- RESERVOIR

0 750' 1500' 3000' 1" = 3000'

PIPE SCHEMATIC

MARCH 2022

21-04-0008

Connelly & Wicker Inc.
Planning • Engineering • Landscape Architecture
1560 NORTH ORANGE AVE. SUITE 210 WINTER PARK, FLORIDA 32789
(407) 261-3100 FAX: (407) 261-3099 www.cwleng.com
FLORIDA REGISTRY: 3650 L.A. NUMBER: LC26000311

J:\21\21-04-0008 Preserve at Howey\Design\Dwgs\Working\Water Skimatics.dwg

FlexTable: Junction Table

ID	Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
38	J-6	85.00	1	169.19	36
40	J-7	88.00	1	169.14	35
44	J-9	92.00	4	169.10	33
46	J-10	84.00	0	174.39	39
50	J-11	92.00	0	169.10	33
55	J-13	86.00	4	169.02	36
59	J-15	85.00	1	168.99	36
61	J-16	87.00	2	168.99	35
65	J-18	85.00	4	168.95	36
70	J-20	88.00	3	168.83	35
75	J-22	89.00	1	169.14	35
77	J-23	91.00	2	168.43	34
82	J-25	93.00	1	167.77	32
85	J-26	91.00	1	167.71	33
87	J-27	93.00	0	167.14	32
93	J-30	87.00	5	166.04	34
99	J-33	84.00	0	161.81	34
101	J-34	86.00	0	158.34	31
109	J-38	86.00	1	162.28	33
124	J-45	87.00	0	163.18	33
140	J-52	88.00	2	166.25	34
152	J-57	96.00	2	167.28	31
159	J-59	87.00	0	148.98	27
173	J-66	88.00	17	148.97	26
197	J-69	87.00	13	160.70	32
210	J-73	87.00	1	163.48	33
213	J-74	90.00	2	163.48	32
215	J-75	87.00	0	164.13	33
218	J-76	87.00	2	164.13	33
226	J-80	88.00	2	164.66	33
229	J-81	88.00	2	164.66	33
255	J-92	85.00	1	166.24	35
257	J-93	87.00	1	166.24	34
262	J-95	85.00	0	165.71	35
266	J-96	85.00	1	166.33	35
269	J-97	85.00	1	166.33	35
271	J-98	84.00	1	165.86	35
274	J-99	85.00	1	165.86	35
282	J-103	85.00	1	165.77	35
285	J-104	85.00	1	165.77	35
288	J-105	85.00	2	163.19	34
300	J-109	84.00	5	170.68	38
303	J-110	85.00	5	189.64	45
318	J-115	85.00	1	193.87	47
320	J-116	86.00	0	193.87	47
323	J-117	86.00	1	193.87	47
325	J-118	86.00	1	193.87	47
328	J-119	85.00	1	193.87	47
332	J-121	85.00	1	193.87	47

FlexTable: Junction Table

ID	Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
348	J-124	85.00	1	166.19	35
351	J-125	86.00	2	166.19	35
353	J-126	88.00	2	166.19	34
355	J-127	92.00	2	166.19	32
360	J-129	85.00	2	166.19	35
362	J-130	86.00	1	166.19	35
364	J-131	88.00	2	166.19	34
367	J-132	85.00	3	166.12	35
386	J-137	85.00	0	166.43	35
389	J-138	85.00	0	166.80	35
393	J-139	89.00	3	166.79	34
400	J-141	84.00	0	163.41	34
404	J-142	86.00	0	164.82	34
408	J-143	92.00	0	166.19	32
424	J-146	84.00	4	162.44	34
436	J-148	86.00	5	166.51	35
452	J-152	89.00	1	166.99	34
458	J-154	94.00	2	167.36	32
468	J-158	95.00	3	167.13	31
471	J-159	88.00	0	166.15	34
475	J-160	86.74	2	165.76	34
479	J-161	94.00	2	167.01	32
483	J-162	93.63	1	167.14	32
487	J-163	87.00	1	169.86	36
491	J-164	87.00	2	169.36	36
517	J-171	86.00	2	170.66	37
608	J-185	85.77	0	193.87	47
614	J-186	86.67	11	175.36	38
617	J-187	85.00	0	197.56	49
624	J-189	85.00	0	176.19	39
630	J-190	84.43	0	163.20	34

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
41	P-5	241	J-6	J-7	8.0	PVC	120.0	False	0.000	81	0.52	0.000	False	0
51	P-6(1)	190	J-7	J-11	8.0	PVC	120.0	False	0.000	80	0.51	0.000	False	0
62	P-13	187	J-15	J-16	6.0	PVC	120.0	False	0.000	2	0.02	0.000	False	0
66	P-14(1)	245	J-15	J-18	8.0	PVC	120.0	False	0.000	70	0.45	0.000	False	0
71	P-14(2)(1)	237	J-18	J-20	8.0	PVC	120.0	False	0.000	133	0.85	0.001	False	0
76	P-17	157	J-7	J-22	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
78	P-14(2)(2)(1)	280	J-20	J-23	8.0	PVC	120.0	False	0.000	232	1.48	0.001	False	0
83	P-14(2)(2)(2)(1)	174	J-23	J-25	8.0	PVC	120.0	False	0.000	395	2.52	0.004	False	0
86	P-19	55	J-25	J-26	8.0	PVC	120.0	False	0.000	207	1.32	0.001	False	0
102	P-27	621	J-33	J-34	12.0	PVC	120.0	False	0.000	1,415	4.01	0.006	False	0
125	P-32(1)	254	J-38	J-45	8.0	PVC	120.0	False	0.000	-381	2.43	0.004	False	0
206	P-55	1,092	J-59	J-34	12.0	PVC	120.0	False	0.000	-1,782	5.05	0.009	False	0
211	P-32(2)(1)	94	J-45	J-73	8.0	PVC	120.0	False	0.000	-361	2.31	0.003	False	0
214	P-56	215	J-73	J-74	6.0	PVC	120.0	False	0.000	2	0.02	0.000	False	0
219	P-57	210	J-75	J-76	6.0	PVC	120.0	False	0.000	2	0.02	0.000	False	0
230	P-59	228	J-80	J-81	6.0	PVC	120.0	False	0.000	2	0.02	0.000	False	0
259	P-66(2)	209	J-93	J-92	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
267	P-68(1)	202	J-93	J-96	8.0	PVC	120.0	False	0.000	-126	0.81	0.000	False	0
270	P-69	167	J-96	J-97	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
275	P-70	157	J-98	J-99	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
283	P-34(2)(2)(2)(1)	159	J-95	J-103	8.0	PVC	120.0	False	0.000	-117	0.75	0.000	False	0
286	P-74	159	J-103	J-104	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
287	P-75	199	J-103	J-98	8.0	PVC	120.0	False	0.000	-120	0.76	0.000	False	0
289	P-40(1)	595	J-45	J-105	8.0	PVC	120.0	False	0.000	-20	0.13	0.000	False	0
324	P-77	160	J-116	J-117	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
327	P-76(2)	200	J-118	J-115	8.0	PVC	120.0	False	0.000	2	0.01	0.000	False	0
329	P-78	161	J-118	J-119	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
333	P-80	161	J-115	J-121	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
352	P-83	131	J-124	J-125	8.0	PVC	120.0	False	0.000	10	0.06	0.000	False	0
356	P-85	197	J-126	J-127	8.0	PVC	120.0	False	0.000	3	0.02	0.000	False	0
361	P-88	210	J-125	J-129	6.0	PVC	120.0	False	0.000	2	0.02	0.000	False	0
363	P-89	162	J-126	J-130	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
365	P-90	210	J-127	J-131	6.0	PVC	120.0	False	0.000	2	0.02	0.000	False	0
387	P-68(2)(1)(1)	206	J-96	J-137	8.0	PVC	120.0	False	0.000	-129	0.82	0.000	False	0
388	P-68(2)(1)(2)	132	J-137	J-124	8.0	PVC	120.0	False	0.000	263	1.68	0.002	False	0
392	P-94	100	J-137	J-138	8.0	PVC	120.0	False	0.000	-392	2.50	0.004	False	0
396	P-95	218	J-139	J-138	8.0	PVC	120.0	False	0.000	-52	0.33	0.000	False	0
401	P-93(1)(1)	334	J-33	J-141	12.0	PVC	120.0	False	0.000	-1,304	3.70	0.005	False	0
405	P-93(1)(2)(1)	251	J-141	J-142	12.0	PVC	120.0	False	0.000	-1,418	4.02	0.006	False	0
406	P-93(1)(2)(2)	675	J-142	J-138	12.0	PVC	120.0	False	0.000	-1,000	2.84	0.003	False	0
409	P-91(1)(1)	122	J-127	J-143	8.0	PVC	120.0	False	0.000	0	0.00	0.000	False	0
426	P-99(2)	625	J-146	J-141	6.0	PVC	120.0	False	0.000	-114	1.30	0.002	False	0
432	P-101	285	J-30	J-52	8.0	PVC	120.0	False	0.000	-161	1.03	0.001	False	0
450	P-21(1)(2)(2)	206	H-9	J-148	8.0	PVC	120.0	False	0.000	201	1.28	0.001	False	0
453	P-21(1)(1)(1)	137	J-27	J-152	8.0	PVC	120.0	False	0.000	202	1.29	0.001	False	0
459	P-20(1)	306	J-26	J-154	8.0	PVC	120.0	False	0.000	206	1.32	0.001	False	0
460	P-20(2)	197	J-154	J-27	8.0	PVC	120.0	False	0.000	204	1.30	0.001	False	0
477	P-97(2)	222	J-160	J-142	8.0	PVC	120.0	False	0.000	419	2.67	0.004	False	0

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
480	P-14(2)(2)(2)(2)(2)(1)(1)(2)(2)(1)	250	J-158	J-161	8.0	PVC	120.0	False	0.000	126	0.80	0.000	False	0
484	P-43(1)	60	J-27	J-162	6.0	PVC	120.0	False	0.000	2	0.03	0.000	False	0
518	P-2(2)(1)(1)	875	J-10	J-171	8.0	PVC	120.0	False	0.000	421	2.69	0.004	False	0
519	P-2(2)(1)(2)	189	J-171	J-163	8.0	PVC	120.0	False	0.000	419	2.67	0.004	False	0
523	P-109	199	J-15	J-13	8.0	PVC	120.0	False	0.000	-72	0.46	0.000	False	0
531	P-3(2)(1)	27	J-164	H-11	8.0	PVC	120.0	False	0.000	149	0.95	0.001	False	0
535	P-111	713	J-34	J-69	8.0	PVC	120.0	False	0.000	-367	2.34	0.003	False	0
536	P-112	446	J-69	J-38	8.0	PVC	120.0	False	0.000	-381	2.43	0.004	False	0
537	P-113	433	J-146	J-33	6.0	PVC	120.0	False	0.000	111	1.26	0.001	False	0
562	P-130	316	J-11	J-9	6.0	PVC	120.0	False	0.000	4	0.04	0.000	False	0
563	P-131	301	J-164	J-163	8.0	PVC	120.0	False	0.000	-253	1.62	0.002	False	0
564	P-132	243	J-6	H-11	8.0	PVC	120.0	False	0.000	-149	0.95	0.001	False	0
567	P-135	292	J-124	J-95	8.0	PVC	120.0	False	0.000	252	1.61	0.002	False	0
568	P-136	277	J-132	J-93	8.0	PVC	120.0	False	0.000	-125	0.80	0.000	False	0
569	P-137	163	J-75	J-80	8.0	PVC	120.0	False	0.000	-366	2.34	0.003	False	0
571	P-139	331	J-162	J-57	6.0	PVC	120.0	False	0.000	-57	0.65	0.000	False	0
572	P-140	329	J-158	J-57	8.0	PVC	120.0	False	0.000	-128	0.82	0.000	False	0
573	P-141	283	J-162	J-161	6.0	PVC	120.0	False	0.000	59	0.67	0.000	False	0
575	P-143	417	J-30	J-160	8.0	PVC	120.0	False	0.000	156	1.00	0.001	False	0
576	P-144	217	J-160	J-159	8.0	PVC	120.0	False	0.000	-265	1.69	0.002	False	0
577	P-145	453	J-159	J-139	8.0	PVC	120.0	False	0.000	-230	1.47	0.001	False	0
578	P-146	252	J-139	J-161	8.0	PVC	120.0	False	0.000	-182	1.16	0.001	False	0
579	P-147	249	J-52	J-148	8.0	PVC	120.0	False	0.000	-197	1.25	0.001	False	0
580	P-148	238	J-152	H-9	8.0	PVC	120.0	False	0.000	201	1.28	0.001	False	0
581	P-149	469	J-13	J-11	8.0	PVC	120.0	False	0.000	-76	0.48	0.000	False	0
582	P-150	423	J-18	J-6	6.0	PVC	120.0	False	0.000	-66	0.75	0.001	False	0
587	P-110(1)	620	J-66	H-13	8.0	PVC	120.0	False	0.000	-17	0.11	0.000	False	0
588	P-110(2)	645	H-13	J-59	8.0	PVC	120.0	False	0.000	-17	0.11	0.000	False	0
592	P-151	417	J-20	J-164	6.0	PVC	120.0	False	0.000	-102	1.16	0.001	False	0
593	P-152	466	J-23	J-163	6.0	PVC	120.0	False	0.000	-165	1.87	0.003	False	0
597	P-155	1,387	J-109	J-110	8.0	PVC	120.0	False	0.000	-789	5.04	0.014	False	0
602	P-79(1)	128	J-118	H-16	8.0	PVC	120.0	False	0.000	-5	0.03	0.000	False	0
603	P-79(2)	71	H-16	J-116	8.0	PVC	120.0	False	0.000	-5	0.03	0.000	False	0
609	P-128(1)	307	J-110	J-185	8.0	PVC	120.0	False	0.000	-794	5.07	0.014	False	0
610	P-128(2)	93	J-185	J-116	8.0	PVC	120.0	False	0.000	6	0.04	0.000	False	0
612	P-157	201	J-125	J-126	8.0	PVC	120.0	False	0.000	6	0.04	0.000	False	0
613	P-158	312	J-80	J-95	8.0	PVC	120.0	False	0.000	-370	2.36	0.003	False	0
616	P-127(2)	727	J-186	J-10	8.0	PVC	120.0	False	0.000	225	1.44	0.001	False	0
618	P-156(1)	263	J-185	J-187	8.0	PVC	120.0	False	0.000	-800	5.11	0.014	False	0
625	P-159(1)	1,337	J-186	J-189	12.0	PVC	120.0	False	0.000	-431	1.22	0.001	False	0
626	P-159(2)	2,270	J-189	J-187	12.0	PVC	120.0	False	0.000	-1,875	5.32	0.009	False	0
627	P-160	1,619	J-138	J-189	12.0	PVC	120.0	False	0.000	-1,443	4.09	0.006	False	0
629	P-161	2,239	J-59	R-1	12.0	PVC	120.0	False	0.000	1,765	5.01	0.008	False	0
631	P-124(1)(1)	720	J-105	J-190	8.0	PVC	120.0	False	0.000	-22	0.14	0.000	False	0
634	P-162	636	J-190	R-3	6.0	PVC	120.0	False	0.000	762	8.64	0.052	False	0
638	P-164	897	J-187	R-2	12.0	PVC	120.0	False	0.000	-2,675	7.59	0.018	False	0
639	P-165	946	J-10	J-186	8.0	PVC	120.0	False	0.000	-195	1.25	0.001	False	0

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
640	P-166	569	J-52	J-159	6.0	PVC	120.0	False	0.000	34	0.39	0.000	False	0
641	P-167	515	J-25	J-57	8.0	PVC	120.0	False	0.000	187	1.20	0.001	False	0
642	P-168	198	J-73	J-75	8.0	PVC	120.0	False	0.000	-364	2.32	0.003	False	0
643	P-169	554	J-190	J-109	8.0	PVC	120.0	False	0.000	-784	5.01	0.014	False	0
644	P-170	607	J-132	J-98	8.0	PVC	120.0	False	0.000	122	0.78	0.000	False	0

FlexTable: Reservoir Table

ID	Label	Elevation (ft)	Zone	Flow (Out net) (gpm)	Hydraulic Grade (ft)
628	R-1	130.13	<None>	-1,765	130.13
633	R-3	130.13	<None>	-762	130.13
637	R-2	213.87	<None>	2,675	213.87

Hillside Groves
CWI Job #: 21-04-0008

MDF + FF

FlexTable: Junction Table

ID	Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
38	J-6	85.00	3	167.06	36
40	J-7	88.00	1	167.00	34
44	J-9	92.00	7	166.96	32
46	J-10	84.00	0	172.58	38
50	J-11	92.00	0	166.96	32
55	J-13	86.00	7	166.88	35
59	J-15	85.00	2	166.85	35
61	J-16	87.00	3	166.85	35
65	J-18	85.00	7	166.82	35
70	J-20	88.00	6	166.71	34
75	J-22	89.00	3	167.00	34
77	J-23	91.00	4	166.35	33
82	J-25	93.00	2	165.73	31
85	J-26	91.00	2	165.67	32
87	J-27	93.00	0	165.14	31
93	J-30	87.00	9	164.09	33
99	J-33	84.00	0	160.06	33
101	J-34	86.00	0	156.74	31
109	J-38	86.00	2	160.57	32
124	J-45	87.00	0	161.48	32
140	J-52	88.00	3	164.29	33
152	J-57	96.00	4	165.27	30
159	J-59	87.00	0	147.80	26
173	J-66	88.00	34	147.75	26
197	J-69	87.00	27	158.96	31
210	J-73	87.00	3	161.75	32
213	J-74	90.00	3	161.75	31
215	J-75	87.00	0	162.34	33
218	J-76	87.00	2	162.34	33
226	J-80	88.00	4	162.83	32
229	J-81	88.00	3	162.83	32
255	J-92	85.00	2	164.31	34
257	J-93	87.00	1	164.31	33
262	J-95	85.00	0	163.81	34
266	J-96	85.00	2	164.40	34
269	J-97	85.00	3	164.40	34
271	J-98	84.00	3	163.94	35
274	J-99	85.00	1	163.94	34
282	J-103	85.00	2	163.86	34
285	J-104	85.00	3	163.86	34
288	J-105	85.00	4	161.52	33
300	J-109	84.00	10	169.16	37
303	J-110	85.00	9	188.57	45
318	J-115	85.00	2	192.96	47
320	J-116	86.00	0	192.96	46
323	J-117	86.00	3	192.96	46
325	J-118	86.00	3	192.96	46
328	J-119	85.00	3	192.96	47
332	J-121	85.00	3	192.96	47

FlexTable: Junction Table

ID	Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
348	J-124	85.00	3	164.27	34
351	J-125	86.00	3	164.26	34
353	J-126	88.00	3	164.26	33
355	J-127	92.00	3	164.26	31
360	J-129	85.00	3	164.26	34
362	J-130	86.00	3	164.26	34
364	J-131	88.00	3	164.26	33
367	J-132	85.00	6	164.19	34
386	J-137	85.00	0	164.51	34
389	J-138	85.00	0	164.90	35
393	J-139	89.00	7	164.86	33
400	J-141	84.00	0	161.60	34
404	J-142	86.00	0	162.96	33
408	J-143	92.00	0	164.26	31
424	J-146	84.00	7	160.65	33
436	J-148	86.00	9	164.53	34
452	J-152	89.00	2	164.99	33
458	J-154	94.00	3	165.34	31
468	J-158	95.00	5	165.13	30
471	J-159	88.00	0	164.22	33
475	J-160	86.74	4	163.84	33
479	J-161	94.00	5	165.04	31
483	J-162	93.63	2	165.14	31
487	J-163	87.00	1	167.78	35
491	J-164	87.00	3	167.25	35
517	J-171	86.00	3	168.63	36
608	J-185	85.77	0	192.96	46
614	J-186	86.67	22	173.61	38
617	J-187	85.00	0	196.83	48
624	J-189	85.00	0	174.52	39
630	J-190	84.43	0	161.58	33

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
41	P-5	241	J-6	J-7	8.0	PVC	120.0	False	0.000	88	0.56	0.000	False	0
51	P-6(1)	190	J-7	J-11	8.0	PVC	120.0	False	0.000	84	0.53	0.000	False	0
62	P-13	187	J-15	J-16	6.0	PVC	120.0	False	0.000	3	0.04	0.000	False	0
66	P-14(1)	245	J-15	J-18	8.0	PVC	120.0	False	0.000	64	0.41	0.000	False	0
71	P-14(2)(1)	237	J-18	J-20	8.0	PVC	120.0	False	0.000	124	0.79	0.000	False	0
76	P-17	157	J-7	J-22	6.0	PVC	120.0	False	0.000	3	0.03	0.000	False	0
78	P-14(2)(2)(1)	280	J-20	J-23	8.0	PVC	120.0	False	0.000	221	1.41	0.001	False	0
83	P-14(2)(2)(2)(1)	174	J-23	J-25	8.0	PVC	120.0	False	0.000	382	2.44	0.004	False	0
86	P-19	55	J-25	J-26	8.0	PVC	120.0	False	0.000	201	1.28	0.001	False	0
102	P-27	621	J-33	J-34	12.0	PVC	120.0	False	0.000	1,382	3.92	0.005	False	0
125	P-32(1)	254	J-38	J-45	8.0	PVC	120.0	False	0.000	-384	2.45	0.004	False	0
206	P-55	1,092	J-59	J-34	12.0	PVC	120.0	False	0.000	-1,738	4.93	0.008	False	0
211	P-32(2)(1)	94	J-45	J-73	8.0	PVC	120.0	False	0.000	-341	2.17	0.003	False	0
214	P-56	215	J-73	J-74	6.0	PVC	120.0	False	0.000	3	0.04	0.000	False	0
219	P-57	210	J-75	J-76	6.0	PVC	120.0	False	0.000	2	0.02	0.000	False	0
230	P-59	228	J-80	J-81	6.0	PVC	120.0	False	0.000	3	0.04	0.000	False	0
259	P-66(2)	209	J-93	J-92	6.0	PVC	120.0	False	0.000	2	0.02	0.000	False	0
267	P-68(1)	202	J-93	J-96	8.0	PVC	120.0	False	0.000	-128	0.82	0.000	False	0
270	P-69	167	J-96	J-97	6.0	PVC	120.0	False	0.000	3	0.03	0.000	False	0
275	P-70	157	J-98	J-99	6.0	PVC	120.0	False	0.000	1	0.01	0.000	False	0
283	P-34(2)(2)(2)(1)	159	J-95	J-103	8.0	PVC	120.0	False	0.000	-110	0.70	0.000	False	0
286	P-74	159	J-103	J-104	6.0	PVC	120.0	False	0.000	3	0.03	0.000	False	0
287	P-75	199	J-103	J-98	8.0	PVC	120.0	False	0.000	-115	0.73	0.000	False	0
289	P-40(1)	595	J-45	J-105	8.0	PVC	120.0	False	0.000	-44	0.28	0.000	False	0
324	P-77	160	J-116	J-117	6.0	PVC	120.0	False	0.000	3	0.03	0.000	False	0
327	P-76(2)	200	J-118	J-115	8.0	PVC	120.0	False	0.000	5	0.03	0.000	False	0
329	P-78	161	J-118	J-119	6.0	PVC	120.0	False	0.000	3	0.03	0.000	False	0
333	P-80	161	J-115	J-121	6.0	PVC	120.0	False	0.000	3	0.03	0.000	False	0
352	P-83	131	J-124	J-125	8.0	PVC	120.0	False	0.000	19	0.12	0.000	False	0
356	P-85	197	J-126	J-127	8.0	PVC	120.0	False	0.000	7	0.04	0.000	False	0
361	P-88	210	J-125	J-129	6.0	PVC	120.0	False	0.000	3	0.04	0.000	False	0
363	P-89	162	J-126	J-130	6.0	PVC	120.0	False	0.000	3	0.03	0.000	False	0
365	P-90	210	J-127	J-131	6.0	PVC	120.0	False	0.000	3	0.04	0.000	False	0
387	P-68(2)(1)(1)	206	J-96	J-137	8.0	PVC	120.0	False	0.000	-133	0.85	0.001	False	0
388	P-68(2)(1)(2)	132	J-137	J-124	8.0	PVC	120.0	False	0.000	267	1.70	0.002	False	0
392	P-94	100	J-137	J-138	8.0	PVC	120.0	False	0.000	-399	2.55	0.004	False	0
396	P-95	218	J-139	J-138	8.0	PVC	120.0	False	0.000	-77	0.49	0.000	False	0
401	P-93(1)(1)	334	J-33	J-141	12.0	PVC	120.0	False	0.000	-1,276	3.62	0.005	False	0
405	P-93(1)(2)(1)	251	J-141	J-142	12.0	PVC	120.0	False	0.000	-1,390	3.94	0.005	False	0
406	P-93(1)(2)(2)	675	J-142	J-138	12.0	PVC	120.0	False	0.000	-987	2.80	0.003	False	0
409	P-91(1)(1)	122	J-127	J-143	8.0	PVC	120.0	False	0.000	0	0.00	0.000	False	0
426	P-99(2)	625	J-146	J-141	6.0	PVC	120.0	False	0.000	-114	1.29	0.002	False	0
432	P-101	285	J-30	J-52	8.0	PVC	120.0	False	0.000	-156	1.00	0.001	False	0
450	P-21(1)(2)(2)	206	H-9	J-148	8.0	PVC	120.0	False	0.000	197	1.26	0.001	False	0
453	P-21(1)(1)(1)	137	J-27	J-152	8.0	PVC	120.0	False	0.000	199	1.27	0.001	False	0
459	P-20(1)	306	J-26	J-154	8.0	PVC	120.0	False	0.000	199	1.27	0.001	False	0
460	P-20(2)	197	J-154	J-27	8.0	PVC	120.0	False	0.000	196	1.25	0.001	False	0
477	P-97(2)	222	J-160	J-142	8.0	PVC	120.0	False	0.000	403	2.57	0.004	False	0

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
480	P-14(2)(2)(2)(2)(2)(1)(1)(2)(2)(1)	250	J-158	J-161	8.0	PVC	120.0	False	0.000	115	0.73	0.000	False	0
484	P-43(1)	60	J-27	J-162	6.0	PVC	120.0	False	0.000	-3	0.03	0.000	False	0
518	P-2(2)(1)(1)	875	J-10	J-171	8.0	PVC	120.0	False	0.000	434	2.77	0.005	False	0
519	P-2(2)(1)(2)	189	J-171	J-163	8.0	PVC	120.0	False	0.000	431	2.75	0.004	False	0
523	P-109	199	J-15	J-13	8.0	PVC	120.0	False	0.000	-69	0.44	0.000	False	0
531	P-3(2)(1)	27	J-164	H-11	8.0	PVC	120.0	False	0.000	157	1.00	0.001	False	0
536	P-112	450	J-69	J-38	8.0	PVC	120.0	False	0.000	-383	2.44	0.004	False	0
537	P-113	433	J-146	J-33	6.0	PVC	120.0	False	0.000	106	1.20	0.001	False	0
562	P-130	316	J-11	J-9	6.0	PVC	120.0	False	0.000	7	0.09	0.000	False	0
563	P-131	301	J-164	J-163	8.0	PVC	120.0	False	0.000	-264	1.68	0.002	False	0
564	P-132	243	J-6	H-11	8.0	PVC	120.0	False	0.000	-157	1.00	0.001	False	0
567	P-135	292	J-124	J-95	8.0	PVC	120.0	False	0.000	246	1.57	0.002	False	0
568	P-136	277	J-132	J-93	8.0	PVC	120.0	False	0.000	-125	0.80	0.000	False	0
569	P-137	163	J-75	J-80	8.0	PVC	120.0	False	0.000	-348	2.22	0.003	False	0
571	P-139	331	J-162	J-57	6.0	PVC	120.0	False	0.000	-56	0.63	0.000	False	0
573	P-141	283	J-162	J-161	6.0	PVC	120.0	False	0.000	51	0.58	0.000	False	0
575	P-143	417	J-30	J-160	8.0	PVC	120.0	False	0.000	147	0.94	0.001	False	0
576	P-144	217	J-160	J-159	8.0	PVC	120.0	False	0.000	-260	1.66	0.002	False	0
577	P-145	453	J-159	J-139	8.0	PVC	120.0	False	0.000	-232	1.48	0.001	False	0
578	P-146	252	J-139	J-161	8.0	PVC	120.0	False	0.000	-161	1.03	0.001	False	0
580	P-148	238	J-152	H-9	8.0	PVC	120.0	False	0.000	197	1.26	0.001	False	0
581	P-149	469	J-13	J-11	8.0	PVC	120.0	False	0.000	-76	0.49	0.000	False	0
582	P-150	423	J-18	J-6	6.0	PVC	120.0	False	0.000	-67	0.76	0.001	False	0
587	P-110(1)	620	J-66	H-13	8.0	PVC	120.0	False	0.000	-34	0.22	0.000	False	0
588	P-110(2)	645	H-13	J-59	8.0	PVC	120.0	False	0.000	-34	0.22	0.000	False	0
592	P-151	417	J-20	J-164	6.0	PVC	120.0	False	0.000	-103	1.17	0.001	False	0
593	P-152	466	J-23	J-163	6.0	PVC	120.0	False	0.000	-166	1.88	0.003	False	0
602	P-79(1)	128	J-118	H-16	8.0	PVC	120.0	False	0.000	-10	0.06	0.000	False	0
603	P-79(2)	71	H-16	J-116	8.0	PVC	120.0	False	0.000	-10	0.06	0.000	False	0
609	P-128(1)	307	J-110	J-185	8.0	PVC	120.0	False	0.000	-809	5.16	0.014	False	0
610	P-128(2)	93	J-185	J-116	8.0	PVC	120.0	False	0.000	12	0.08	0.000	False	0
613	P-158	312	J-80	J-95	8.0	PVC	120.0	False	0.000	-356	2.27	0.003	False	0
618	P-156(1)	263	J-185	J-187	8.0	PVC	120.0	False	0.000	-821	5.24	0.015	False	0
625	P-159(1)	1,337	J-186	J-189	12.0	PVC	120.0	False	0.000	-456	1.29	0.001	False	0
626	P-159(2)	2,270	J-189	J-187	12.0	PVC	120.0	False	0.000	-1,918	5.44	0.010	False	0
627	P-160	1,619	J-138	J-189	12.0	PVC	120.0	False	0.000	-1,463	4.15	0.006	False	0
629	P-161	2,239	J-59	R-1	12.0	PVC	120.0	False	0.000	1,704	4.84	0.008	False	0
631	P-124(1)(1)	720	J-105	J-190	8.0	PVC	120.0	False	0.000	-48	0.31	0.000	False	0
634	P-162	636	J-190	R-3	6.0	PVC	120.0	False	0.000	741	8.41	0.049	False	0
638	P-164	897	J-187	R-2	12.0	PVC	120.0	False	0.000	-2,739	7.77	0.019	False	0
639	P-165	946	J-10	J-186	8.0	PVC	120.0	False	0.000	-201	1.29	0.001	False	0
640	P-166	569	J-52	J-159	6.0	PVC	120.0	False	0.000	29	0.33	0.000	False	0
641	P-167	515	J-25	J-57	8.0	PVC	120.0	False	0.000	180	1.15	0.001	False	0
643	P-169	554	J-190	J-109	8.0	PVC	120.0	False	0.000	-790	5.04	0.014	False	0
652	P-111(1)	540	J-34	H-19	8.0	PVC	120.0	False	0.000	-356	2.27	0.003	False	0
653	P-111(2)	170	H-19	J-69	8.0	PVC	120.0	False	0.000	-356	2.27	0.003	False	0
658	P-155(1)	105	J-109	H-21	8.0	PVC	120.0	False	0.000	-799	5.10	0.014	False	0

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
659	P-155(2)	1,283	H-21	J-110	8.0	PVC	120.0	False	0.000	-799	5.10	0.014	False	0
661	P-168(1)	174	J-73	H-22	8.0	PVC	120.0	False	0.000	-346	2.21	0.003	False	0
662	P-168(2)	23	H-22	J-75	8.0	PVC	120.0	False	0.000	-346	2.21	0.003	False	0
664	P-170(1)	363	J-132	H-23	8.0	PVC	120.0	False	0.000	118	0.76	0.000	False	0
665	P-170(2)	244	H-23	J-98	8.0	PVC	120.0	False	0.000	118	0.76	0.000	False	0
667	P-157(1)	121	J-125	H-24	8.0	PVC	120.0	False	0.000	12	0.08	0.000	False	0
668	P-157(2)	80	H-24	J-126	8.0	PVC	120.0	False	0.000	12	0.08	0.000	False	0
670	P-147(1)	115	J-52	H-25	8.0	PVC	120.0	False	0.000	-188	1.20	0.001	False	0
671	P-147(2)	135	H-25	J-148	8.0	PVC	120.0	False	0.000	-188	1.20	0.001	False	0
673	P-127(2)(1)	329	J-186	H-26	8.0	PVC	120.0	False	0.000	232	1.48	0.001	False	0
674	P-127(2)(2)	397	H-26	J-10	8.0	PVC	120.0	False	0.000	232	1.48	0.001	False	0
676	P-140(1)	47	J-158	H-27	8.0	PVC	120.0	False	0.000	-120	0.77	0.000	False	0
677	P-140(2)	282	H-27	J-57	8.0	PVC	120.0	False	0.000	-120	0.77	0.000	False	0

FlexTable: Reservoir Table

ID	Label	Elevation (ft)	Zone	Flow (Out net) (gpm)	Hydraulic Grade (ft)
628	R-1	130.13	<None>	-1,704	130.13
633	R-3	130.13	<None>	-741	130.13
637	R-2	213.87	<None>	2,739	213.87

FlexTable: Hydrant Table

ID	Label	Hydrant Status	Include Hydrant Lateral Loss?	Emitter Coefficient (gpm/psi^n)	Length (Hydrant Lateral) (ft)	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
448	H-9	Closed	False	0.000	20	87.92	<None>	<Collection: 0 items>	0	164.74	33
530	H-11	Closed	False	0.000	20	86.56	<None>	<Collection: 0 items>	0	167.23	35
586	H-13	Closed	False	0.000	20	87.46	<None>	<Collection: 0 items>	0	147.78	26
601	H-16	Closed	False	0.000	20	86.00	<None>	<Collection: 0 items>	0	192.96	46
651	H-19	Closed	False	0.000	20	86.76	<None>	<Collection: 0 items>	0	158.43	31
657	H-21	Closed	False	0.000	20	84.08	<None>	<Collection: 0 items>	0	170.62	37
660	H-22	Closed	False	0.000	20	87.00	<None>	<Collection: 0 items>	0	162.27	33
663	H-23	Closed	False	0.000	20	84.40	<None>	<Collection: 0 items>	0	164.04	34
666	H-24	Closed	False	0.000	20	87.21	<None>	<Collection: 0 items>	0	164.26	33
669	H-25	Closed	False	0.000	20	87.08	<None>	<Collection: 0 items>	0	164.40	33
672	H-26	Closed	False	0.000	20	85.46	<None>	<Collection: 0 items>	0	173.14	38
675	H-27	Closed	False	0.000	20	95.14	<None>	<Collection: 0 items>	0	165.15	30

Hillside Groves
CWI Job #: 21-04-0008

PHF

FlexTable: Junction Table

ID	Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
38	J-6	85.00	5	162.78	34
40	J-7	88.00	3	162.70	32
44	J-9	92.00	15	162.65	31
46	J-10	84.00	0	168.91	37
50	J-11	92.00	0	162.66	31
55	J-13	86.00	14	162.57	33
59	J-15	85.00	3	162.55	34
61	J-16	87.00	7	162.55	33
65	J-18	85.00	14	162.53	34
70	J-20	88.00	13	162.45	32
75	J-22	89.00	5	162.70	32
77	J-23	91.00	8	162.15	31
82	J-25	93.00	3	161.61	30
85	J-26	91.00	3	161.55	31
87	J-27	93.00	0	161.10	29
93	J-30	87.00	18	160.16	32
99	J-33	84.00	0	156.55	31
101	J-34	86.00	0	153.52	29
109	J-38	86.00	3	157.07	31
124	J-45	87.00	1	158.00	31
140	J-52	88.00	6	160.33	31
152	J-57	96.00	8	161.22	28
159	J-59	87.00	0	145.45	25
173	J-66	88.00	68	145.27	25
197	J-69	87.00	53	155.47	30
210	J-73	87.00	5	158.21	31
213	J-74	90.00	7	158.21	30
215	J-75	87.00	0	158.69	31
218	J-76	87.00	7	158.69	31
226	J-80	88.00	8	159.09	31
229	J-81	88.00	7	159.09	31
255	J-92	85.00	4	160.40	33
257	J-93	87.00	3	160.40	32
262	J-95	85.00	0	159.94	32
266	J-96	85.00	4	160.51	33
269	J-97	85.00	5	160.50	33
271	J-98	84.00	5	160.05	33
274	J-99	85.00	3	160.05	32
282	J-103	85.00	4	159.99	32
285	J-104	85.00	5	159.99	32
288	J-105	85.00	8	158.15	32
300	J-109	84.00	19	166.13	36
303	J-110	85.00	18	186.43	44
318	J-115	85.00	4	191.10	46
320	J-116	86.00	0	191.11	45
323	J-117	86.00	5	191.10	45
325	J-118	86.00	5	191.10	45
328	J-119	85.00	5	191.10	46
332	J-121	85.00	5	191.10	46

FlexTable: Junction Table

ID	Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
348	J-124	85.00	5	160.36	33
351	J-125	86.00	6	160.36	32
353	J-126	88.00	7	160.35	31
355	J-127	92.00	7	160.35	30
360	J-129	85.00	7	160.35	33
362	J-130	86.00	5	160.35	32
364	J-131	88.00	7	160.35	31
367	J-132	85.00	13	160.28	33
386	J-137	85.00	0	160.62	33
389	J-138	85.00	0	161.04	33
393	J-139	89.00	13	160.95	31
400	J-141	84.00	0	157.96	32
404	J-142	86.00	0	159.21	32
408	J-143	92.00	0	160.35	30
424	J-146	84.00	15	157.04	32
436	J-148	86.00	18	160.53	32
452	J-152	89.00	3	160.96	31
458	J-154	94.00	7	161.27	29
468	J-158	95.00	10	161.12	29
471	J-159	88.00	0	160.30	31
475	J-160	86.74	8	159.96	32
479	J-161	94.00	9	161.05	29
483	J-162	93.63	3	161.10	29
487	J-163	87.00	3	163.61	33
491	J-164	87.00	7	162.99	33
517	J-171	86.00	7	164.53	34
608	J-185	85.77	0	191.11	46
614	J-186	86.67	43	170.06	36
617	J-187	85.00	0	195.34	48
624	J-189	85.00	0	171.15	37
630	J-190	84.43	0	158.37	32

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
41	P-5	241	J-6	J-7	8.0	PVC	120.0	False	0.000	99	0.63	0.000	False	0
51	P-6(1)	190	J-7	J-11	8.0	PVC	120.0	False	0.000	91	0.58	0.000	False	0
62	P-13	187	J-15	J-16	6.0	PVC	120.0	False	0.000	7	0.08	0.000	False	0
66	P-14(1)	245	J-15	J-18	8.0	PVC	120.0	False	0.000	52	0.33	0.000	False	0
71	P-14(2)(1)	237	J-18	J-20	8.0	PVC	120.0	False	0.000	106	0.67	0.000	False	0
76	P-17	157	J-7	J-22	6.0	PVC	120.0	False	0.000	5	0.06	0.000	False	0
78	P-14(2)(2)(1)	280	J-20	J-23	8.0	PVC	120.0	False	0.000	198	1.26	0.001	False	0
83	P-14(2)(2)(2)(1)	174	J-23	J-25	8.0	PVC	120.0	False	0.000	356	2.27	0.003	False	0
86	P-19	55	J-25	J-26	8.0	PVC	120.0	False	0.000	188	1.20	0.001	False	0
102	P-27	621	J-33	J-34	12.0	PVC	120.0	False	0.000	1,314	3.73	0.005	False	0
125	P-32(1)	254	J-38	J-45	8.0	PVC	120.0	False	0.000	-388	2.47	0.004	False	0
206	P-55	1,092	J-59	J-34	12.0	PVC	120.0	False	0.000	-1,645	4.67	0.007	False	0
211	P-32(2)(1)	94	J-45	J-73	8.0	PVC	120.0	False	0.000	-297	1.89	0.002	False	0
214	P-56	215	J-73	J-74	6.0	PVC	120.0	False	0.000	7	0.08	0.000	False	0
219	P-57	210	J-75	J-76	6.0	PVC	120.0	False	0.000	7	0.08	0.000	False	0
230	P-59	228	J-80	J-81	6.0	PVC	120.0	False	0.000	7	0.08	0.000	False	0
259	P-66(2)	209	J-93	J-92	6.0	PVC	120.0	False	0.000	4	0.05	0.000	False	0
267	P-68(1)	202	J-93	J-96	8.0	PVC	120.0	False	0.000	-132	0.84	0.000	False	0
270	P-69	167	J-96	J-97	6.0	PVC	120.0	False	0.000	5	0.06	0.000	False	0
275	P-70	157	J-98	J-99	6.0	PVC	120.0	False	0.000	3	0.03	0.000	False	0
283	P-34(2)(2)(2)(1)	159	J-95	J-103	8.0	PVC	120.0	False	0.000	-96	0.61	0.000	False	0
286	P-74	159	J-103	J-104	6.0	PVC	120.0	False	0.000	5	0.06	0.000	False	0
287	P-75	199	J-103	J-98	8.0	PVC	120.0	False	0.000	-105	0.67	0.000	False	0
289	P-40(1)	595	J-45	J-105	8.0	PVC	120.0	False	0.000	-92	0.59	0.000	False	0
324	P-77	160	J-116	J-117	6.0	PVC	120.0	False	0.000	5	0.06	0.000	False	0
327	P-76(2)	200	J-118	J-115	8.0	PVC	120.0	False	0.000	9	0.06	0.000	False	0
329	P-78	161	J-118	J-119	6.0	PVC	120.0	False	0.000	5	0.06	0.000	False	0
333	P-80	161	J-115	J-121	6.0	PVC	120.0	False	0.000	5	0.06	0.000	False	0
352	P-83	131	J-124	J-125	8.0	PVC	120.0	False	0.000	38	0.24	0.000	False	0
356	P-85	197	J-126	J-127	8.0	PVC	120.0	False	0.000	13	0.09	0.000	False	0
361	P-88	210	J-125	J-129	6.0	PVC	120.0	False	0.000	7	0.08	0.000	False	0
363	P-89	162	J-126	J-130	6.0	PVC	120.0	False	0.000	5	0.06	0.000	False	0
365	P-90	210	J-127	J-131	6.0	PVC	120.0	False	0.000	7	0.08	0.000	False	0
387	P-68(2)(1)(1)	206	J-96	J-137	8.0	PVC	120.0	False	0.000	-141	0.90	0.001	False	0
388	P-68(2)(1)(2)	132	J-137	J-124	8.0	PVC	120.0	False	0.000	276	1.76	0.002	False	0
392	P-94	100	J-137	J-138	8.0	PVC	120.0	False	0.000	-418	2.67	0.004	False	0
396	P-95	218	J-139	J-138	8.0	PVC	120.0	False	0.000	-125	0.80	0.000	False	0
401	P-93(1)(1)	334	J-33	J-141	12.0	PVC	120.0	False	0.000	-1,218	3.45	0.004	False	0
405	P-93(1)(2)(1)	251	J-141	J-142	12.0	PVC	120.0	False	0.000	-1,329	3.77	0.005	False	0
406	P-93(1)(2)(2)	675	J-142	J-138	12.0	PVC	120.0	False	0.000	-959	2.72	0.003	False	0
409	P-91(1)(1)	122	J-127	J-143	8.0	PVC	120.0	False	0.000	0	0.00	0.000	False	0
426	P-99(2)	625	J-146	J-141	6.0	PVC	120.0	False	0.000	-111	1.26	0.001	False	0
432	P-101	285	J-30	J-52	8.0	PVC	120.0	False	0.000	-148	0.94	0.001	False	0
450	P-21(1)(2)(2)	206	H-9	J-148	8.0	PVC	120.0	False	0.000	189	1.21	0.001	False	0
453	P-21(1)(1)(1)	137	J-27	J-152	8.0	PVC	120.0	False	0.000	192	1.23	0.001	False	0
459	P-20(1)	306	J-26	J-154	8.0	PVC	120.0	False	0.000	185	1.18	0.001	False	0
460	P-20(2)	197	J-154	J-27	8.0	PVC	120.0	False	0.000	178	1.14	0.001	False	0
477	P-97(2)	222	J-160	J-142	8.0	PVC	120.0	False	0.000	370	2.36	0.003	False	0

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
480	P-14(2)(2)(2)(2)(2)(1)(1)(2)(2)(1)	250	J-158	J-161	8.0	PVC	120.0	False	0.000	94	0.60	0.000	False	0
484	P-43(1)	60	J-27	J-162	6.0	PVC	120.0	False	0.000	-14	0.16	0.000	False	0
518	P-2(2)(1)(1)	875	J-10	J-171	8.0	PVC	120.0	False	0.000	459	2.93	0.005	False	0
519	P-2(2)(1)(2)	189	J-171	J-163	8.0	PVC	120.0	False	0.000	452	2.89	0.005	False	0
523	P-109	199	J-15	J-13	8.0	PVC	120.0	False	0.000	-62	0.40	0.000	False	0
531	P-3(2)(1)	27	J-164	H-11	8.0	PVC	120.0	False	0.000	172	1.10	0.001	False	0
535	P-111	713	J-34	J-69	8.0	PVC	120.0	False	0.000	-331	2.11	0.003	False	0
536	P-112	446	J-69	J-38	8.0	PVC	120.0	False	0.000	-384	2.45	0.004	False	0
537	P-113	433	J-146	J-33	6.0	PVC	120.0	False	0.000	96	1.09	0.001	False	0
562	P-130	316	J-11	J-9	6.0	PVC	120.0	False	0.000	15	0.17	0.000	False	0
563	P-131	301	J-164	J-163	8.0	PVC	120.0	False	0.000	-283	1.80	0.002	False	0
564	P-132	243	J-6	H-11	8.0	PVC	120.0	False	0.000	-172	1.10	0.001	False	0
567	P-135	292	J-124	J-95	8.0	PVC	120.0	False	0.000	234	1.49	0.001	False	0
568	P-136	277	J-132	J-93	8.0	PVC	120.0	False	0.000	-125	0.80	0.000	False	0
569	P-137	163	J-75	J-80	8.0	PVC	120.0	False	0.000	-315	2.01	0.002	False	0
571	P-139	331	J-162	J-57	6.0	PVC	120.0	False	0.000	-53	0.60	0.000	False	0
572	P-140	329	J-158	J-57	8.0	PVC	120.0	False	0.000	-104	0.66	0.000	False	0
573	P-141	283	J-162	J-161	6.0	PVC	120.0	False	0.000	35	0.40	0.000	False	0
575	P-143	417	J-30	J-160	8.0	PVC	120.0	False	0.000	130	0.83	0.000	False	0
576	P-144	217	J-160	J-159	8.0	PVC	120.0	False	0.000	-249	1.59	0.002	False	0
577	P-145	453	J-159	J-139	8.0	PVC	120.0	False	0.000	-232	1.48	0.001	False	0
578	P-146	252	J-139	J-161	8.0	PVC	120.0	False	0.000	-120	0.77	0.000	False	0
579	P-147	249	J-52	J-148	8.0	PVC	120.0	False	0.000	-171	1.09	0.001	False	0
580	P-148	238	J-152	H-9	8.0	PVC	120.0	False	0.000	189	1.21	0.001	False	0
581	P-149	469	J-13	J-11	8.0	PVC	120.0	False	0.000	-76	0.49	0.000	False	0
582	P-150	423	J-18	J-6	6.0	PVC	120.0	False	0.000	-68	0.77	0.001	False	0
587	P-110(1)	620	J-66	H-13	8.0	PVC	120.0	False	0.000	-68	0.43	0.000	False	0
588	P-110(2)	645	H-13	J-59	8.0	PVC	120.0	False	0.000	-68	0.43	0.000	False	0
592	P-151	417	J-20	J-164	6.0	PVC	120.0	False	0.000	-104	1.18	0.001	False	0
593	P-152	466	J-23	J-163	6.0	PVC	120.0	False	0.000	-167	1.89	0.003	False	0
597	P-155	1,387	J-109	J-110	8.0	PVC	120.0	False	0.000	-819	5.23	0.015	False	0
602	P-79(1)	128	J-118	H-16	8.0	PVC	120.0	False	0.000	-19	0.12	0.000	False	0
603	P-79(2)	71	H-16	J-116	8.0	PVC	120.0	False	0.000	-19	0.12	0.000	False	0
609	P-128(1)	307	J-110	J-185	8.0	PVC	120.0	False	0.000	-837	5.34	0.015	False	0
610	P-128(2)	93	J-185	J-116	8.0	PVC	120.0	False	0.000	24	0.15	0.000	False	0
612	P-157	201	J-125	J-126	8.0	PVC	120.0	False	0.000	25	0.16	0.000	False	0
613	P-158	312	J-80	J-95	8.0	PVC	120.0	False	0.000	-330	2.11	0.003	False	0
616	P-127(2)	727	J-186	J-10	8.0	PVC	120.0	False	0.000	246	1.57	0.002	False	0
618	P-156(1)	263	J-185	J-187	8.0	PVC	120.0	False	0.000	-861	5.50	0.016	False	0
625	P-159(1)	1,337	J-186	J-189	12.0	PVC	120.0	False	0.000	-502	1.42	0.001	False	0
626	P-159(2)	2,270	J-189	J-187	12.0	PVC	120.0	False	0.000	-2,004	5.69	0.011	False	0
627	P-160	1,619	J-138	J-189	12.0	PVC	120.0	False	0.000	-1,502	4.26	0.006	False	0
629	P-161	2,239	J-59	R-1	12.0	PVC	120.0	False	0.000	1,578	4.48	0.007	False	0
631	P-124(1)(1)	720	J-105	J-190	8.0	PVC	120.0	False	0.000	-100	0.64	0.000	False	0
634	P-162	636	J-190	R-3	6.0	PVC	120.0	False	0.000	700	7.94	0.044	False	0
638	P-164	897	J-187	R-2	12.0	PVC	120.0	False	0.000	-2,866	8.13	0.021	False	0
639	P-165	946	J-10	J-186	8.0	PVC	120.0	False	0.000	-213	1.36	0.001	False	0

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
640	P-166	569	J-52	J-159	6.0	PVC	120.0	False	0.000	17	0.19	0.000	False	0
641	P-167	515	J-25	J-57	8.0	PVC	120.0	False	0.000	165	1.05	0.001	False	0
642	P-168	198	J-73	J-75	8.0	PVC	120.0	False	0.000	-308	1.97	0.002	False	0
643	P-169	554	J-190	J-109	8.0	PVC	120.0	False	0.000	-800	5.10	0.014	False	0
644	P-170	607	J-132	J-98	8.0	PVC	120.0	False	0.000	113	0.72	0.000	False	0

FlexTable: Reservoir Table

ID	Label	Elevation (ft)	Zone	Flow (Out net) (gpm)	Hydraulic Grade (ft)
628	R-1	130.13	<None>	-1,578	130.13
633	R-3	130.13	<None>	-700	130.13
637	R-2	213.87	<None>	2,866	213.87

Master Utility Design for

LIFT STATION ANALYSIS

Hillside Groves

FOR

Lennar Homes LLC

Date: April 2022

BY

Connelly & Wicker Inc.
Planning • Engineering • Landscape Architecture

1560 North Orange Ave.
Suite 210
Winter Park, FL 32789
CWI Job #: 18-04-0004
Certificate of Authorization No. 3650

Ryan R Blaida

Digitally signed by Ryan R Blaida
DN: c=US, o=CONNELLY AND WICKER INC., ou=A01410D000001770172 83E200013904, cn=Ryan R Blaida
Date: 2022.04.01 09:51:27 -04'00'

RYAN BLAIDA LICENSE No. 61017 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ryan Blaida, P.E.
FL PE #61017

This item has been electronically signed and sealed by Ryan Blaida on the date indicated here using SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

TABLE OF CONTENTS

Tab 1: Introduction

A. Introduction

1. Project Overview

Hillside Groves is a 375.2-acre single-family residential home project located north of State Road 19 and southwest of W. Central Ave. and S. Florida Ave. in Howey in the Hills, Lake County, Florida. It is situated in Section 35, Township 20S, Range 25E. Please see Location Map and Figure 2 Aerial Map, both under Tab 2 of this report.

Hillside Groves is a large PUD with supporting roads and infrastructure. The purpose of this report is to demonstrate the lift station design will be able to discharge the wastewater into the existing town system.

2. Utility Provider

The City of Howey in the Hills is the potable water provider for this project. This analysis takes into consideration City of Howey in the Hills design criteria. Where specific criteria are not set by the city, standards from nearby utility providers will be utilized.

B. Lift Station Design

1. Introduction

Sanitary sewer from the single- family homes will be collected via a gravity system, then routed to five separate on-site lift stations. Lift Station 4-1 will discharge into a proposed future manhole, which will discharge to Lift Station 1-1. !-1, 1-2 and 2-1 will manifold into a proposed 10" forcemian proposed with the boulevard within the project. This 10" forcemain will discharge to the existing City system in the Number 2 Road right of way. Lift station 3-1 will discharge to the existing forcemain within the SR 19 rigtht of way

The following calculations demonstrate this design.

Connelly & Wicker Inc.
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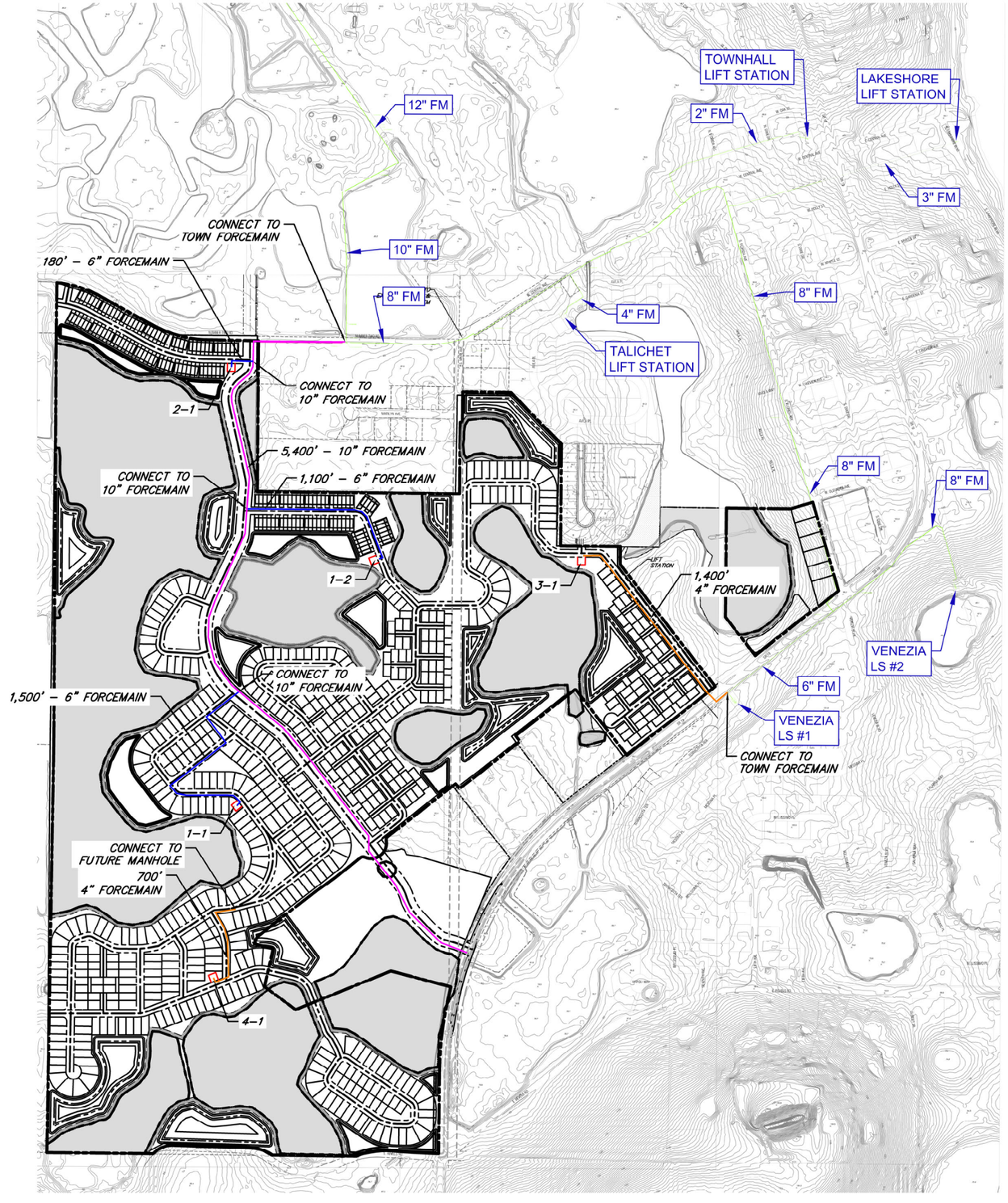
1560 North Orange Ave.| Suite 210 |Winter Park, Florida 32789
P: 407.261.3100 www.cwieng.com



LEGEND

- 4" FORCEMAIN
- 6" FORCEMAIN
- 10" FORCEMAIN
- EXISTING FORCEMAIN

FORCEMAIN EXHIBIT

21-04-0008

MARCH 2022

Connelly & Wicker Inc.
Planning · Engineering · Landscape Architecture
1560 NORTH ORANGE AVE., SUITE 210 WINTER PARK, FLORIDA 32789
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FLORIDA REGISTRY: 3650 L.A. NUMBER: LC26000311

Tab 2: Lift Station 1-1 Design

Project: Howey
Table: 1 - Summary of Wastewater Demands
Engineer(s): SC\RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 1 - SUMMARY OF WASTEWATER DEMANDS - LS 1-1

PHASE	LAND USE	QUANTITY	UNITS	DEMAND	UNITS	ADF		PEAK	MDF	
						(gpd)	(gpm)	FACTOR	(gpd)	(gpm)
1-1	SF Homes (actual)	146	UNITS	300	GPD/UNIT	43,800	30.4	2.5	109,500	76.0
4-1	SF Homes (additional)	177	UNITS	300	GPD/UNIT	53,100	36.9	2.5	132,750	92.2
TOTAL		**323**				**96,900**	**67.3**		**242,250**	**168.2**

Project: Howey
Table: 2 - Lift Station Design
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 2 - LIFT STATION DESIGN - LS 1-1

PUMP DATA

MANUFACTURER	Pentair	MODEL	Hydromatic-H4H
PUMP CURVE	SUB_S_E_AH_00021_B_4 Rev 2012-03-23	IMPELLER SIZE	8.88 IN, rated
PUMP HORSEPOWER	7.38 HP, rated	DESIGN SPEED	1750 RPM, rated

DESIGN FLOWS

ADF QIN	67.3 GPM	PDF QIN	168.2 GPM

HYDRAULIC MODEL RESULTS

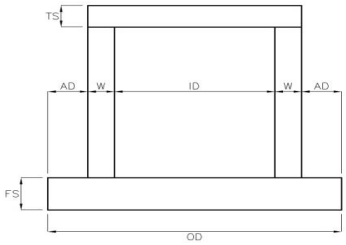
MAX PRESSURE	180.0 GPM OUTFLOW @	44.3	FT TDH
MIN PRESSURE	70 GPM OUTFLOW @	38.7	FT TDH

WET WELL STORAGE

Q	180	(GPM) FLOW OUT OF WET WELL PUMP DISCHARGE, ONE RUNNING
S	168	(GPM) WASTEWATER FLOW INTO WET WELL - PDF IN
T	20	(MIN) ASSUMED CYCLE TIME
V	220.0	(GAL) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
	29.4	(FT^3) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
STORAGE DEPTH	2.00	FT

WET WELL DESIGN

ELEVATION	63.00	SLAB TOP (WW INVERT)
ELEVATION	63.25	PUMP VOLUTE
ELEVATION	65.00	BOTH PUMPS OFF
ELEVATION	67.00	START LEAD
ELEVATION	68.00	START LAG
ELEVATION	69.00	HIGH LEVEL ALARM
ELEVATION	90.00	TOP OF WET WELL
ELEVATION	70	INFLUENT INVERT
TOTAL LIFT STATION DEPTH	27.00	FT



ID - INSIDE DIAMETER	8 FT	**FS** - FLOOR SLAB THICKNESS	12 IN
W - WALL THICKNESS	8 IN	**AD** - ADD SLAB DIAMETER	16 IN
TS - TOP SLAB THICKNESS	0 IN	**OD** - TOTAL SLAB DIAMETER	12.0 FT

NOTE: ASSUMES 20' DEPTH AT INVERT

CYCLE TIME EVALUATION

AVERAGE DAILY FLOW		PEAK DAILY FLOW	
TIME ON	1.95 MIN	TIME ON	18.69 MIN
TIME OFF	3.27 MIN	TIME OFF	1.31 MIN
TOTAL CYCLE TIME	5.22 MIN	TOTAL CYCLE TIME	20.00 MIN
STARTS PER HOUR	11	STARTS PER HOUR	3.0

DESIGN CHECKS

DEPTH FROM INFLUENT INVERT TO TOP OF SLAB (WET WELL INVERT)

REQUIRED	5 FT	PROVIDED	7.00 FT

TOTAL CYCLE TIME MINIMUM

REQUIRED	10 MIN	PROVIDED	5.22 MIN

DEPTH FROM HIGH LEVEL ALARM TO ALL PUMPS OFF

REQUIRED **3** FT PROVIDED 4.00 FT

WET WELL FLOATATION

ASSUMPTIONS

1) WEIGHT OF PUMPS, FITTINGS, ETC. NOT INCLUDED.

2) WET WELL IS EMPTY - FLUID WEIGHT WITHIN STRUCTURE IS NOT CONSIDERED

3) GROUNDWATER LEVEL IS AT TOP OF WET WELL

4) SOIL FRICTION FORCE IS EXCLUDED, ONLY THE WEIGHT OF SOIL ON TOP OF BOTTON OF SLAB IS CONSIDERED

DOWNWARD FORCES

CONCRETE WALLS

CONCRETE WALLS	18.2	FT^2
	27.00	FT (DEPTH OF WALLS)
	490.1	FT^3
SLAB	113.1	FT^2
	1.0	FT (THICKNESS)
	113.1	FT^3
CONCRETE WEIGHT	**0.0**	CY - ADDITIONAL BALLAST
	603.2	FT^3
	150	LB/FT^3 (UNIT WEIGHT OF REENFORCED CONCRETE)
	90,478	LBS
SOIL WEIGHT	44.7	FT^2
	27.00	FT (DEPTH OF WALLS)
	47.6	LB/FT^3 (110 LB/FT^3 - 62.4 LB/FT^3 = WEIGHT OF SOIL - WEIGHT OF WATER)
	57,423	LBS

UPWARD FORCES (HYDROSTATIC)

CONCRETE WALLS

	68.4	FT^2
	27.00	FT (DEPTH OF WALLS)
	1847.3	FT^3

SLAB

	113.1	FT^2
	1.0	FT (THICKNESS)
	113.10	FT^3

WEIGHT OF WATER

	1960.4	FT^3
	62.4	LB/FT^3
	122,326	LBS

TOTAL FORCES SUMMARY

DOWNWARD FORCE	**147,901**	LBS
UPWARD FORCE	**122,326**	LBS
SAFETY FACTOR	**1.21**	

Project: Howey
Table: 3 - Lift Station System Curve
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 3 - LIFT STATION SYSTEM CURVE - LS 1-1

STATIC/ELEVATION HEAD

BOTH PUMPS OFF	**65.00**	FT	
HIGHPOINT ALONG FM	**91.00**	FT	
CONNECTION ELEVATION	**84.00**	FT	INVERT ELEVATION OF EXISTING FORCEMAIN
TOTAL STATIC LOSS	**26.0**	**FT**	
TOTAL STATIC LOSS	**26.0**	**FT**	

FRICTION HEAD

	LIFT STATION RISER PIPES		LIFT STATION TO CONNECTION		CONNECTION TO TO EXISTING FM	
DESIGN FLOW (Q)	**180**	GPM	**180**	GPM	**180**	GPM
PIPE DIAMETER (D)	**4**	IN	**6**	IN	**10**	IN
PIPE LENGTH (L)	**20**	FT	**1510**	FT	**3100**	FT
HAZEN WILLIAMS COEFF (C	**120**		**120**		**120**	
VELOCITY (V)	4.60	FT/S	2.04	FT/S	0.74	FT/S
FLOW AREA (A)	0.09	FT^2	0.20	FT^2	0.55	FT
FRICTION LOSS (HF)	0.52	FT	5.42	FT	0.92	FT
TOTAL FRICTION LOSS	**8.4**	**FT**				

CONNECTION/PRESSURE HEAD

CONNECTION PRESSURE (max)	**15**	PSI	CONNECTION PRESSURE (min)	**5**	PSI
TOTAL PRESSURE LOSS	**34.7**	**FT**	**TOTAL PRESSURE LOSS**	**11.6**	**FT**

MINOR HEAD LOSS 0

FITTING TYPE	K - VALUE	COUNT
DISCHARGE	0.6	1
90° BEND	0.3	2
VALVES	1.5	1
CHECK VALVES	2.0	2
TEE CONNECTION	0.4	1
OUTLET	1.0	1
USER DEFINED	0.0	0
TOTAL		**8.1**
TOTAL MINOR LOSS	**2.7**	**FT**

SYSTEM CURVE

Min Pressure

FLOW RATE GPM	TDH FT	INCREMENT 40.00
0	37.6	
40	38.0	
70	**38.9**	**←SYSTEM PT**
110	40.6	
150	43.1	
180	45.3	
220	48.8	
260	52.9	
300	57.6	
340	62.9	
380	68.8	
420	75.2	

Max Pressure

FLOW RATE GPM	TDH FT	INCREMENT 40.00
0	61.4	
40	61.8	
80	62.9	
120	64.7	
160	67.0	
180	**68.4**	**←SYSTEM PT**
220	71.5	
260	75.3	
300	79.5	
340	84.3	
380	89.7	
420	95.5	

Item number	: Default	Size	: Hydromatic - H4H
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: SUB_S_E_AH_00021_B_4 Rev 2012-03-23
Quote number	:	Date last saved	: 31 Mar 2022 8:24 AM

Operating Conditions

Flow, rated	: 180.0 USgpm
Differential head / pressure, rated (requested)	: 68.40 ft
Differential head / pressure, rated (actual)	: 71.34 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed, rated	: 1750 rpm
Impeller diameter, rated	: 8.88 in
Impeller diameter, maximum	: 10.00 in
Impeller diameter, minimum	: 8.00 in
Efficiency	: 43.93 %
NPSH required / margin required	: - / 0.00 ft
nq (imp. eye flow) / S (imp. eye flow)	: 34 / - Metric units
Minimum Continuous Stable Flow	: 100.0 USgpm
Head, maximum, rated diameter	: 94.42 ft
Head rise to shutoff	: 32.35 %
Flow, best eff. point	: 462.3 USgpm
Flow ratio, rated / BEP	: 38.93 %
Diameter ratio (rated / max)	: 88.75 %
Head ratio (rated dia / max dia)	: 73.67 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids diameter limit	: 3.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

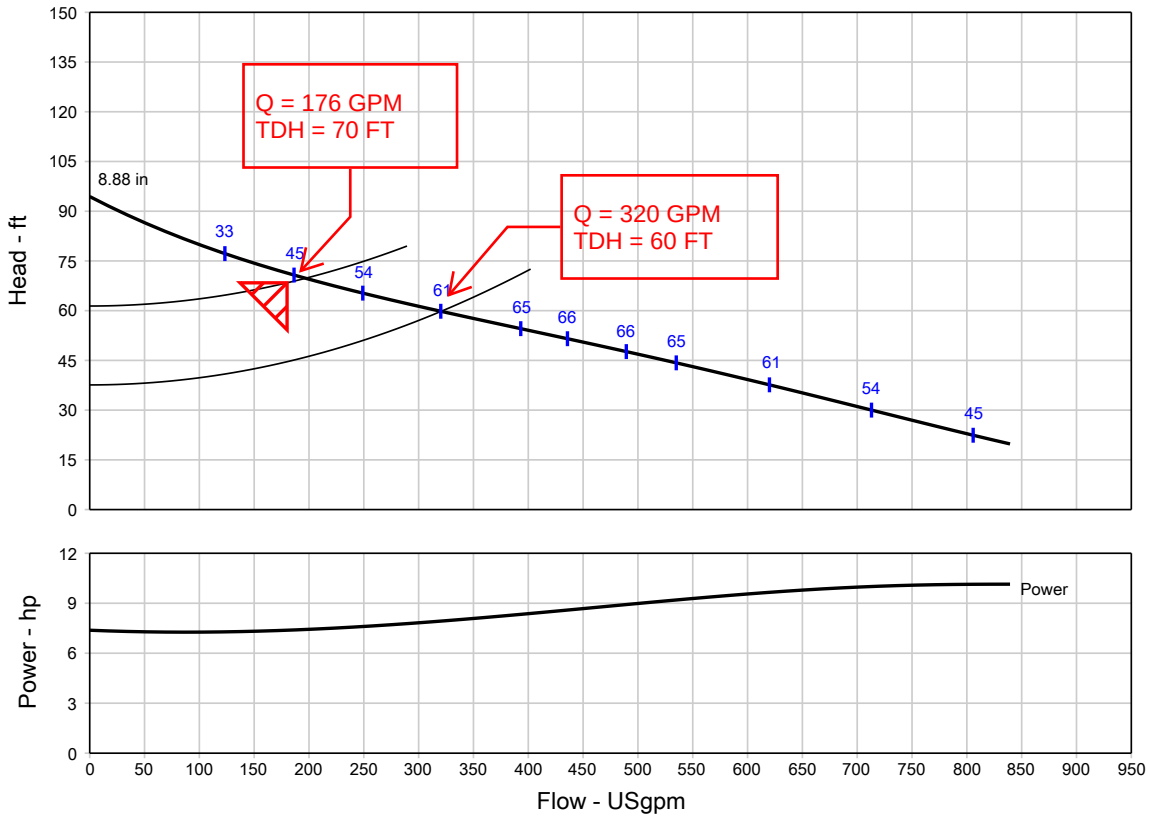
Material selected	: Standard

Pressure Data

Maximum working pressure	: 40.87 psi.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

Driver & Power Data (@Max density)

Driver sizing specification	: Maximum power
Margin over specification	: 0.00 %
Service factor	: 1.20 (used)
Power, hydraulic	: 3.24 hp
Power, rated	: 7.38 hp
Power, maximum, rated diameter	: 10.14 hp
Minimum recommended motor rating	: 10.00 hp / 7.46 kW



Tab 3: Lift Station 1-2 Design

Project: Howey
Table: 1 - Summary of Wastewater Demands
Engineer(s): SC\RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 1 - SUMMARY OF WASTEWATER DEMANDS - LS 1-2

PHASE	LAND USE	QUANTITY	UNITS	DEMAND	UNITS	ADF		PEAK	MDF	
						(gpd)	(gpm)	FACTOR	(gpd)	(gpm)
ER	SF Homes (actual)	161	UNITS	300	GPD/UNIT	48,300	33.5	2.5	120,750	83.9
ER	SF Homes (additional)		UNITS	300	GPD/UNIT	0	0.0	2.5	0	0.0
TOTAL		**161**				**48,300**	**33.5**		**120,750**	**83.9**

Project: Howey
Table: 2 - Lift Station Design (1-2)
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 2 - LIFT STATION DESIGN - LS 1-2

PUMP DATA

MANUFACTURER	Pentair	MODEL	Hydromatic-S4K
PUMP CURVE	SUB_S_E_AH_00011_E_4 Rev 2012-03-23	IMPELLER SIZE	9.5 IN, rated
PUMP HORSEPOWER	7.9 HP, rated	DESIGN SPEED	1750 RPM, rated

DESIGN FLOWS

ADF QIN	33.5 GPM	PDF QIN	83.9 GPM

HYDRAULIC MODEL RESULTS

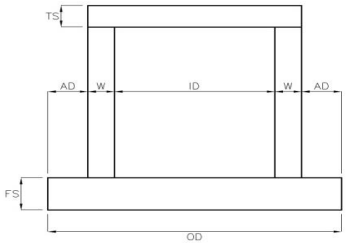
MAX PRESSURE	85.0 GPM OUTFLOW @	96.5	FT TDH
MIN PRESSURE	36 GPM OUTFLOW @	49.4	FT TDH

WET WELL STORAGE

Q	85	(GPM) FLOW OUT OF WET WELL PUMP DISCHARGE, ONE RUNNING
S	84	(GPM) WASTEWATER FLOW INTO WET WELL - PDF IN
T	20	(MIN) ASSUMED CYCLE TIME
V	22.6	(GAL) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
	3.0	(FT^3) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
STORAGE DEPTH	2.00	FT

WET WELL DESIGN

ELEVATION	63.00	SLAB TOP (WW INVERT)
ELEVATION	63.25	PUMP VOLUTE
ELEVATION	65.00	BOTH PUMPS OFF
ELEVATION	67.00	START LEAD
ELEVATION	68.00	START LAG
ELEVATION	69.00	HIGH LEVEL ALARM
ELEVATION	90.00	TOP OF WET WELL
ELEVATION	70	INFLUENT INVERT
TOTAL LIFT STATION DEPTH	27.00	FT



ID - INSIDE DIAMETER	8 FT	**FS** - FLOOR SLAB THICKNESS	12 IN
W - WALL THICKNESS	8 IN	**AD** - ADD SLAB DIAMETER	16 IN
TS - TOP SLAB THICKNESS	0 IN	**OD** - TOTAL SLAB DIAMETER	12.0 FT

CYCLE TIME EVALUATION

AVERAGE DAILY FLOW		PEAK DAILY FLOW	
TIME ON	0.44 MIN	TIME ON	19.73 MIN
TIME OFF	0.67 MIN	TIME OFF	0.27 MIN
TOTAL CYCLE TIME	1.11 MIN	TOTAL CYCLE TIME	20.00 MIN
STARTS PER HOUR	54	STARTS PER HOUR	3.0

DESIGN CHECKS

DEPTH FROM INFLUENT INVERT TO TOP OF SLAB (WET WELL INVERT)

REQUIRED	5 FT	PROVIDED	7.00 FT

TOTAL CYCLE TIME MINIMUM

REQUIRED	10 MIN	PROVIDED	1.11 MIN

DEPTH FROM HIGH LEVEL ALARM TO ALL PUMPS OFF

REQUIRED **3** FT PROVIDED 4.00 FT

WET WELL FLOATATION

ASSUMPTIONS

1) WEIGHT OF PUMPS, FITTINGS, ETC. NOT INCLUDED.

2) WET WELL IS EMPTY - FLUID WEIGHT WITHIN STRUCTURE IS NOT CONSIDERED

3) GROUNDWATER LEVEL IS AT TOP OF WET WELL

4) SOIL FRICTION FORCE IS EXCLUDED, ONLY THE WEIGHT OF SOIL ON TOP OF BOTTON OF SLAB IS CONSIDERED

DOWNWARD FORCES

CONCRETE WALLS

CONCRETE WALLS	18.2	FT^2
	27.00	FT (DEPTH OF WALLS)
	490.1	FT^3
SLAB	113.1	FT^2
	1.0	FT (THICKNESS)
	113.1	FT^3
CONCRETE WEIGHT	**0.0**	CY - ADDITIONAL BALLAST
	603.2	FT^3
	150	LB/FT^3 (UNIT WEIGHT OF REENFORCED CONCRETE)
	90,478	LBS
SOIL WEIGHT	44.7	FT^2
	27.00	FT (DEPTH OF WALLS)
	47.6	LB/FT^3 (110 LB/FT^3 - 62.4 LB/FT^3 = WEIGHT OF SOIL - WEIGHT OF WATER)
	57,423	LBS

UPWARD FORCES (HYDROSTATIC)

CONCRETE WALLS

	68.4	FT^2
	27.00	FT (DEPTH OF WALLS)
	1847.3	FT^3

SLAB

	113.1	FT^2
	1.0	FT (THICKNESS)
	113.10	FT^3

WEIGHT OF WATER

	1960.4	FT^3
	62.4	LB/FT^3
	122,326	LBS

TOTAL FORCES SUMMARY

DOWNWARD FORCE	**147,901**	LBS
UPWARD FORCE	**122,326**	LBS
SAFETY FACTOR	**1.21**	

Project: Howey
Table: 3 - Lift Station System Curve
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 3 - LIFT STATION SYSTEM CURVE - LS 1-2

STATIC/ELEVATION HEAD

BOTH PUMPS OFF	**65.00**	FT	
HIGHPOINT ALONG FM	**91.00**	FT	
CONNECTION ELEVATION	**84.00**	FT	**INVERT ELEVATION OF EXISTING FORCEMAIN**
TOTAL STATIC LOSS	**26.0**	**FT**	
TOTAL STATIC LOSS	**26.0**	**FT**	

FRICTION HEAD

	LIFT STATION RISER PIPES		LIFT STATION TO CONNECTION		CONNECTION TO TO EXISTING FM	
DESIGN FLOW (Q)	**85**	GPM	**85**	GPM	**85**	GPM
PIPE DIAMETER (D)	**4**	IN	**6**	IN	**10**	IN
PIPE LENGTH (L)	**20**	FT	**1128**	FT	**2000**	FT
HAZEN WILLIAMS COEFF (C	**120**		**120**		**120**	
VELOCITY (V)	2.17	FT/S	0.96	FT/S	0.35	FT/S
FLOW AREA (A)	0.09	FT^2	0.20	FT^2	0.55	FT
FRICTION LOSS (HF)	0.13	FT	1.01	FT	0.15	FT
TOTAL FRICTION LOSS	**1.7**	**FT**				

CONNECTION/PRESSURE HEAD

CONNECTION PRESSURE (max)	**30**	PSI	CONNECTION PRESSURE (min)	**10**	PSI
TOTAL PRESSURE LOSS	**69.3**	**FT**	**TOTAL PRESSURE LOSS**	**23.1**	**FT**

MINOR HEAD LOSS 0

FITTING TYPE	K - VALUE	COUNT
DISCHARGE	0.6	1
90° BEND	0.3	2
VALVES	1.5	1
CHECK VALVES	2.0	2
TEE CONNECTION	0.4	1
OUTLET	1.0	1
USER DEFINED	0.0	0
TOTAL		**8.1**
TOTAL MINOR LOSS	**0.6**	**FT**

SYSTEM CURVE

Min Pressure

FLOW RATE GPM	TDH FT	INCREMENT 18.00
0	49.1	
18	49.2	
36	**49.4**	**←SYSTEM PT**
54	49.7	
72	50.1	
90	50.6	
108	51.2	
126	51.9	
144	52.6	
162	53.5	
180	54.5	
198	55.5	

Max Pressure

FLOW RATE GPM	TDH FT	INCREMENT 17.00
0	95.3	
17	95.4	
34	95.5	
51	95.8	
68	96.1	
85	**96.5**	**←SYSTEM PT**
102	97.0	
119	97.5	
136	98.1	
153	98.8	
170	99.6	
187	100.4	

Item number	: Default	Size	: Hydromatic - S4K
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: SUB_S_E_AH_00011_E_4 Rev 2012-03-23
Quote number	:	Date last saved	: 31 Mar 2022 8:35 AM

Operating Conditions

Flow, rated	: 85.00 USgpm
Differential head / pressure, rated (requested)	: 96.50 ft
Differential head / pressure, rated (actual)	: 96.82 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed, rated	: 1750 rpm
Impeller diameter, rated	: 9.50 in
Impeller diameter, maximum	: 12.00 in
Impeller diameter, minimum	: 8.50 in
Efficiency	: 26.29 %
NPSH required / margin required	: - / 0.00 ft
nq (imp. eye flow) / S (imp. eye flow)	: 28 / - Metric units
Minimum Continuous Stable Flow	: 128.6 USgpm
Head, maximum, rated diameter	: 103.0 ft
Head rise to shutoff	: 6.41 %
Flow, best eff. point	: 592.4 USgpm
Flow ratio, rated / BEP	: 14.35 %
Diameter ratio (rated / max)	: 79.17 %
Head ratio (rated dia / max dia)	: 58.34 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids diameter limit	: 3.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

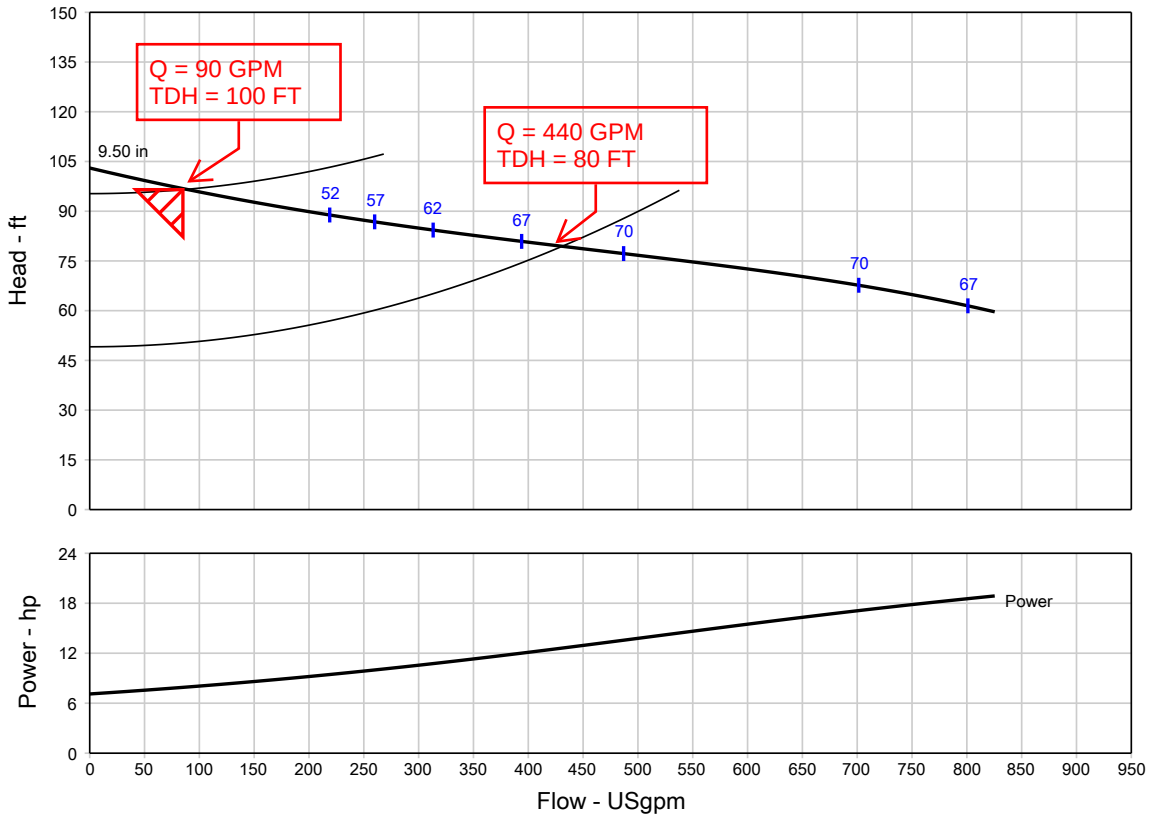
Material selected	: Standard

Pressure Data

Maximum working pressure	: 44.59 psi.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

Driver & Power Data (@Max density)

Driver sizing specification	: Maximum power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 2.08 hp
Power, rated	: 7.90 hp
Power, maximum, rated diameter	: 18.88 hp
Minimum recommended motor rating	: 20.00 hp / 14.91 kW



Tab 4: Lift Station 2-1 Design

Project: Howey
Table: 1 - Summary of Wastewater Demands
Engineer(s): SC\RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 1 - SUMMARY OF WASTEWATER DEMANDS - LS 3-1

PHASE	LAND USE	QUANTITY	UNITS	DEMAND	UNITS	ADF		PEAK	MDF	
						(gpd)	(gpm)	FACTOR	(gpd)	(gpm)
ER	SF Homes (actual)	80	UNITS	300	GPD/UNIT	24,000	16.7	2.5	60,000	41.7
ER	SF Homes (additional)		UNITS	300	GPD/UNIT	0	0.0	2.5	0	0.0
TOTAL		**80**				**24,000**	**16.7**		**60,000**	**41.7**

Project: Howey
Table: 2 - Lift Station Design
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 2 - LIFT STATION DESIGN - LS 2-1

PUMP DATA

MANUFACTURER	Pentair	MODEL	Hydromatic-S4K
PUMP CURVE	SUB_S_E_AH_00011_E_4 Rev 2012-03-23	IMPELLER SIZE	9.5 IN, rated
PUMP HORSEPOWER	7.9 HP, rated	DESIGN SPEED	1750 RPM, rated

DESIGN FLOWS

ADF QIN	16.7 GPM	PDF QIN	41.7 GPM

HYDRAULIC MODEL RESULTS

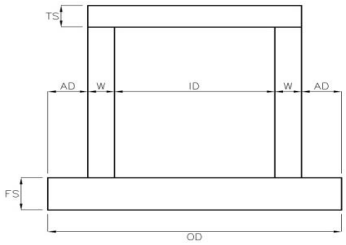
MAX PRESSURE	45.0 GPM OUTFLOW @	95.5	FT TDH
MIN PRESSURE	18 GPM OUTFLOW @	49.1	FT TDH

WET WELL STORAGE

Q	45	(GPM) FLOW OUT OF WET WELL PUMP DISCHARGE, ONE RUNNING
S	42	(GPM) WASTEWATER FLOW INTO WET WELL - PDF IN
T	20	(MIN) ASSUMED CYCLE TIME
V	61.7	(GAL) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
	8.3	(FT^3) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
STORAGE DEPTH	2.00	FT

WET WELL DESIGN

ELEVATION	63.00	SLAB TOP (WW INVERT)
ELEVATION	63.25	PUMP VOLUTE
ELEVATION	65.00	BOTH PUMPS OFF
ELEVATION	67.00	START LEAD
ELEVATION	68.00	START LAG
ELEVATION	69.00	HIGH LEVEL ALARM
ELEVATION	90.00	TOP OF WET WELL
ELEVATION	70	INFLUENT INVERT
TOTAL LIFT STATION DEPTH	27.00	FT



ID - INSIDE DIAMETER	8 FT	**FS** - FLOOR SLAB THICKNESS	12 IN
W - WALL THICKNESS	8 IN	**AD** - ADD SLAB DIAMETER	16 IN
TS - TOP SLAB THICKNESS	0 IN	**OD** - TOTAL SLAB DIAMETER	12.0 FT

CYCLE TIME EVALUATION

AVERAGE DAILY FLOW		PEAK DAILY FLOW	
TIME ON	2.18 MIN	TIME ON	18.52 MIN
TIME OFF	3.70 MIN	TIME OFF	1.48 MIN
TOTAL CYCLE TIME	5.88 MIN	TOTAL CYCLE TIME	20.00 MIN
STARTS PER HOUR	10	STARTS PER HOUR	3.0

DESIGN CHECKS

DEPTH FROM INFLUENT INVERT TO TOP OF SLAB (WET WELL INVERT)

REQUIRED	5 FT	PROVIDED	7.00 FT

TOTAL CYCLE TIME MINIMUM

REQUIRED	10 MIN	PROVIDED	5.88 MIN

DEPTH FROM HIGH LEVEL ALARM TO ALL PUMPS OFF

REQUIRED **3** FT PROVIDED 4.00 FT

WET WELL FLOATATION

ASSUMPTIONS

1) WEIGHT OF PUMPS, FITTINGS, ETC. NOT INCLUDED.

2) WET WELL IS EMPTY - FLUID WEIGHT WITHIN STRUCTURE IS NOT CONSIDERED

3) GROUNDWATER LEVEL IS AT TOP OF WET WELL

4) SOIL FRICTION FORCE IS EXCLUDED, ONLY THE WEIGHT OF SOIL ON TOP OF BOTTON OF SLAB IS CONSIDERED

DOWNWARD FORCES

CONCRETE WALLS

CONCRETE WALLS	18.2	FT^2
	27.00	FT (DEPTH OF WALLS)
	490.1	FT^3
SLAB	113.1	FT^2
	1.0	FT (THICKNESS)
	113.1	FT^3
CONCRETE WEIGHT	**0.0**	CY - ADDITIONAL BALLAST
	603.2	FT^3
	150	LB/FT^3 (UNIT WEIGHT OF REENFORCED CONCRETE)
	90,478	LBS
SOIL WEIGHT	44.7	FT^2
	27.00	FT (DEPTH OF WALLS)
	47.6	LB/FT^3 (110 LB/FT^3 - 62.4 LB/FT^3 = WEIGHT OF SOIL - WEIGHT OF WATER)
	57,423	LBS

UPWARD FORCES (HYDROSTATIC)

CONCRETE WALLS

	68.4	FT^2
	27.00	FT (DEPTH OF WALLS)
	1847.3	FT^3

SLAB

	113.1	FT^2
	1.0	FT (THICKNESS)
	113.10	FT^3

WEIGHT OF WATER

	1960.4	FT^3
	62.4	LB/FT^3
	122,326	LBS

TOTAL FORCES SUMMARY

DOWNWARD FORCE	**147,901**	LBS
UPWARD FORCE	**122,326**	LBS
SAFETY FACTOR	**1.21**	

Project: Howey
Table: 3 - Lift Station System Curve
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 3 - LIFT STATION SYSTEM CURVE - LS 2-1

STATIC/ELEVATION HEAD

BOTH PUMPS OFF	65.00	FT	
HIGHPOINT ALONG FM	91.00	FT	
CONNECTION ELEVATION	84.00	FT	INVERT ELEVATION OF EXISTING FORCEMAIN
TOTAL STATIC LOSS	**26.0**	**FT**	
TOTAL STATIC LOSS	**26.0**	**FT**	

FRICTION HEAD

	LIFT STATION RISER PIPES		LIFT STATION TO CONNECTION		CONNECTION TO TO EXISTING FM	
DESIGN FLOW (Q)	45	GPM	45	GPM	45	GPM
PIPE DIAMETER (D)	4	IN	6	IN	10	IN
PIPE LENGTH (L)	20	FT	100	FT	1000	FT
HAZEN WILLIAMS COEFF (C	120		120		120	
VELOCITY (V)	1.15	FT/S	0.51	FT/S	0.18	FT/S
FLOW AREA (A)	0.09	FT^2	0.20	FT^2	0.55	FT
FRICTION LOSS (HF)	0.04	FT	0.03	FT	0.02	FT
TOTAL FRICTION LOSS	**0.2**	**FT**				

CONNECTION/PRESSURE HEAD

CONNECTION PRESSURE (max)	30	PSI	CONNECTION PRESSURE (min)	10	PSI
TOTAL PRESSURE LOSS	**69.3**	**FT**	**TOTAL PRESSURE LOSS**	**23.1**	**FT**

MINOR HEAD LOSS 0

FITTING TYPE	K - VALUE	COUNT
DISCHARGE	0.6	1
90° BEND	0.3	2
VALVES	1.5	1
CHECK VALVES	2.0	2
TEE CONNECTION	0.4	1
OUTLET	1.0	1
USER DEFINED	0.0	0
TOTAL		**8.1**
TOTAL MINOR LOSS	**0.2**	**FT**

SYSTEM CURVE

Min Pressure

FLOW RATE GPM	TDH FT	INCREMENT 9.00
0	49.1	
9	49.1	
18	49.1	←SYSTEM PT
27	49.1	
36	49.2	
22	49.1	
31	49.1	
40	49.2	
49	49.2	
58	49.3	
67	49.3	
76	49.3	

Max Pressure

FLOW RATE GPM	TDH FT	INCREMENT 10.00
0	95.4	
10	95.4	
20	95.4	
30	95.4	
40	95.5	
45	95.5	←SYSTEM PT
55	95.5	
65	95.6	
75	95.6	
85	95.6	
95	95.7	
105	95.8	

Item number	: Default	Size	: Hydromatic - S4K
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: SUB_S_E_AH_00011_E_4 Rev 2012-03-23
Quote number	:	Date last saved	: 31 Mar 2022 8:30 AM

Operating Conditions

Flow, rated	: 85.00 USgpm
Differential head / pressure, rated (requested)	: 95.60 ft
Differential head / pressure, rated (actual)	: 96.82 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed, rated	: 1750 rpm
Impeller diameter, rated	: 9.50 in
Impeller diameter, maximum	: 12.00 in
Impeller diameter, minimum	: 8.50 in
Efficiency	: 26.29 %
NPSH required / margin required	: - / 0.00 ft
nq (imp. eye flow) / S (imp. eye flow)	: 28 / - Metric units
Minimum Continuous Stable Flow	: 128.6 USgpm
Head, maximum, rated diameter	: 103.0 ft
Head rise to shutoff	: 6.41 %
Flow, best eff. point	: 592.4 USgpm
Flow ratio, rated / BEP	: 14.35 %
Diameter ratio (rated / max)	: 79.17 %
Head ratio (rated dia / max dia)	: 58.34 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids diameter limit	: 3.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

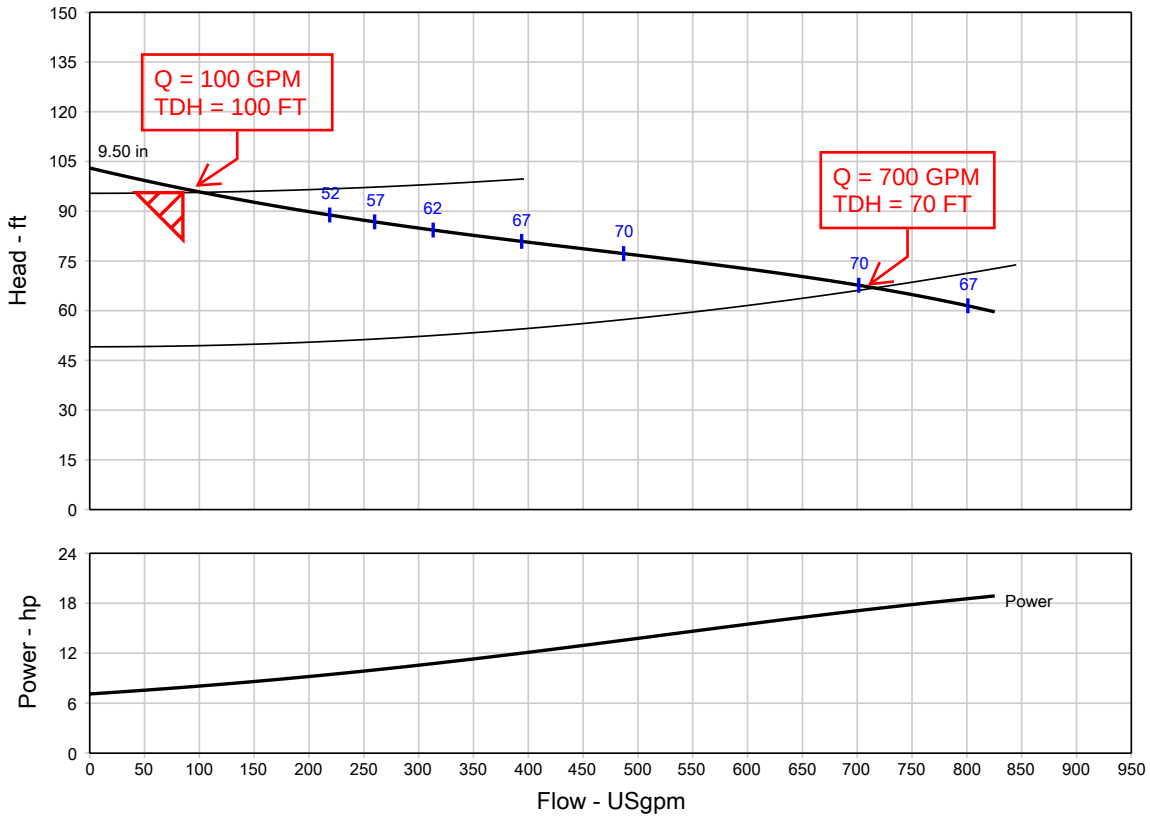
Material selected	: Standard

Pressure Data

Maximum working pressure	: 44.59 psi.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

Driver & Power Data (@Max density)

Driver sizing specification	: Maximum power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 2.08 hp
Power, rated	: 7.90 hp
Power, maximum, rated diameter	: 18.88 hp
Minimum recommended motor rating	: 20.00 hp / 14.91 kW



Tab 5: Lift Station 3-1 Design

Project: Howey
Table: 1 - Summary of Wastewater Demands
Engineer(s): SC\RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 1 - SUMMARY OF WASTEWATER DEMANDS - LS 3-1

PHASE	LAND USE	QUANTITY	UNITS	DEMAND	UNITS	ADF		PEAK	MDF	
						(gpd)	(gpm)	FACTOR	(gpd)	(gpm)
ER	SF Homes (actual)	73	UNITS	300	GPD/UNIT	21,900	15.2	2.5	54,750	38.0
ER	SF Homes (additional)		UNITS	300	GPD/UNIT	0	0.0	2.5	0	0.0
TOTAL		**73**				**21,900**	**15.2**		**54,750**	**38.0**

Project: Howey
Table: 2 - Lift Station Design
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 2 - LIFT STATION DESIGN - LS 3-1

PUMP DATA

MANUFACTURER	Pentair	MODEL	Hydromatic-S4K
PUMP CURVE	SUB_S_E_AH_00011_E_4 Rev 2012-03-23	IMPELLER SIZE	10.13 IN, rated
PUMP HORSEPOWER	10.19 HP, rated	DESIGN SPEED	1750 RPM, rated

DESIGN FLOWS

ADF QIN	15.2 GPM	PDF QIN	38.0 GPM

HYDRAULIC MODEL RESULTS

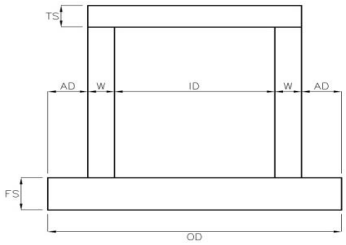
MAX PRESSURE	38.0	GPM OUTFLOW @	98.9	FT TDH
MIN PRESSURE	16	GPM OUTFLOW @	106.2	FT TDH

WET WELL STORAGE

Q	38	(GPM) FLOW OUT OF WET WELL PUMP DISCHARGE, ONE RUNNING
S	38	(GPM) WASTEWATER FLOW INTO WET WELL - PDF IN
T	20	(MIN) ASSUMED CYCLE TIME
V	-0.4	(GAL) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
	-0.1	(FT^3) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
STORAGE DEPTH	2.00	FT

WET WELL DESIGN

ELEVATION	58.00	SLAB TOP (WW INVERT)
ELEVATION	58.25	PUMP VOLUTE
ELEVATION	60.00	BOTH PUMPS OFF
ELEVATION	62.00	START LEAD
ELEVATION	63.00	START LAG
ELEVATION	64.00	HIGH LEVEL ALARM
ELEVATION	85.00	TOP OF WET WELL
ELEVATION	65	INFLUENT INVERT
TOTAL LIFT STATION DEPTH	27.00	FT



ID - INSIDE DIAMETER	8 FT	**FS** - FLOOR SLAB THICKNESS	12 IN
W - WALL THICKNESS	8 IN	**AD** - ADD SLAB DIAMETER	16 IN
TS - TOP SLAB THICKNESS	0 IN	**OD** - TOTAL SLAB DIAMETER	12.0 FT

CYCLE TIME EVALUATION

AVERAGE DAILY FLOW			PEAK DAILY FLOW		
TIME ON	-0.02	MIN	TIME ON	20.01	MIN
TIME OFF	-0.03	MIN	TIME OFF	-0.01	MIN
TOTAL CYCLE TIME	-0.05	MIN	TOTAL CYCLE TIME	20.00	MIN
STARTS PER HOUR	-1313		STARTS PER HOUR	3.0	

DESIGN CHECKS

DEPTH FROM INFLUENT INVERT TO TOP OF SLAB (WET WELL INVERT)

REQUIRED	5	FT	PROVIDED	7.00 FT

TOTAL CYCLE TIME MINIMUM

REQUIRED	10	MIN	PROVIDED	(0.05) MIN

DEPTH FROM HIGH LEVEL ALARM TO ALL PUMPS OFF

REQUIRED **3** FT PROVIDED 4.00 FT

WET WELL FLOATATION

ASSUMPTIONS

1) WEIGHT OF PUMPS, FITTINGS, ETC. NOT INCLUDED.

2) WET WELL IS EMPTY - FLUID WEIGHT WITHIN STRUCTURE IS NOT CONSIDERED

3) GROUNDWATER LEVEL IS AT TOP OF WET WELL

4) SOIL FRICTION FORCE IS EXCLUDED, ONLY THE WEIGHT OF SOIL ON TOP OF BOTTON OF SLAB IS CONSIDERED

DOWNWARD FORCES

CONCRETE WALLS

CONCRETE WALLS	18.2	FT^2
	27.00	FT (DEPTH OF WALLS)
	490.1	FT^3
SLAB	113.1	FT^2
	1.0	FT (THICKNESS)
	113.1	FT^3
CONCRETE WEIGHT	**0.0**	CY - ADDITIONAL BALLAST
	603.2	FT^3
	150	LB/FT^3 (UNIT WEIGHT OF REENFORCED CONCRETE)
	90,478	LBS
SOIL WEIGHT	44.7	FT^2
	27.00	FT (DEPTH OF WALLS)
	47.6	LB/FT^3 (110 LB/FT^3 - 62.4 LB/FT^3 = WEIGHT OF SOIL - WEIGHT OF WATER)
	57,423	LBS

UPWARD FORCES (HYDROSTATIC)

CONCRETE WALLS

	68.4	FT^2
	27.00	FT (DEPTH OF WALLS)
	1847.3	FT^3

SLAB

	113.1	FT^2
	1.0	FT (THICKNESS)
	113.10	FT^3

WEIGHT OF WATER

	1960.4	FT^3
	62.4	LB/FT^3
	122,326	LBS

TOTAL FORCES SUMMARY

DOWNWARD FORCE	**147,901**	LBS
UPWARD FORCE	**122,326**	LBS
SAFETY FACTOR	**1.21**	

Project: Howey
Table: 3 - Lift Station System Curve
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 3 - LIFT STATION SYSTEM CURVE - LS 3-1

STATIC/ELEVATION HEAD

BOTH PUMPS OFF	**60.00**	FT	
HIGHPOINT ALONG FM	**95.00**	FT	
CONNECTION ELEVATION	**95.00**	FT	**INVERT ELEVATION OF EXISTING FORCEMAIN**
TOTAL STATIC LOSS	**35.0**	**FT**	
TOTAL STATIC LOSS	**35.0**	**FT**	

FRICTION HEAD

	LIFT STATION RISER PIPES		LIFT STATION TO CONNECTION	
DESIGN FLOW (Q)	**38**	GPM	**38**	GPM
PIPE DIAMETER (D)	**4**	IN	**4**	IN
PIPE LENGTH (L)	**20**	FT	**1285**	FT
HAZEN WILLIAMS COEFF (C	**120**		**120**	
VELOCITY (V)	0.97	FT/S	0.97	FT/S
FLOW AREA (A)	0.09	FT^2	0.09	FT^2
FRICTION LOSS (HF)	0.03	FT	1.87	FT
TOTAL FRICTION LOSS	**2.2**	**FT**		

CONNECTION/PRESSURE HEAD

CONNECTION PRESSURE (max)	**30**	PSI	CONNECTION PRESSURE (min)	**10**	PSI
TOTAL PRESSURE LOSS	**69.3**	**FT**	**TOTAL PRESSURE LOSS**	**23.1**	**FT**

MINOR HEAD LOSS 0

FITTING TYPE	K - VALUE	COUNT
DISCHARGE	0.6	1
90° BEND	0.3	2
VALVES	1.5	1
CHECK VALVES	2.0	2
TEE CONNECTION	0.4	1
OUTLET	1.0	1
USER DEFINED	0.0	0
TOTAL		**8.1**

TOTAL MINOR LOSS **0.1** **FT**

SYSTEM CURVE

Min Pressure

FLOW RATE GPM	TDH FT	INCREMENT 8.00
0	58.1	
8	58.2	
16	**58.5**	**←SYSTEM PT**
24	58.9	
32	59.5	
85	66.5	
93	68.1	
101	69.7	
109	71.5	
117	73.3	
125	75.3	
133	77.4	

Max Pressure

FLOW RATE GPM	TDH FT	INCREMENT 8.00
0	104.3	
8	104.4	
16	104.7	
24	105.1	
32	105.7	
38	**106.2**	**←SYSTEM PT**
46	107.0	
54	107.9	
62	109.0	
70	110.2	
78	111.5	
86	112.9	

Item number	: Default	Size	: Hydromatic - S4K
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: SUB_S_E_AH_00011_E_4 Rev 2012-03-23
Quote number	:	Date last saved	: 31 Mar 2022 8:28 AM

Operating Conditions

Flow, rated	: 80.00 USgpm
Differential head / pressure, rated (requested)	: 112.0 ft
Differential head / pressure, rated (actual)	: 113.2 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed, rated	: 1750 rpm
Impeller diameter, rated	: 10.13 in
Impeller diameter, maximum	: 12.00 in
Impeller diameter, minimum	: 8.50 in
Efficiency	: 22.20 %
NPSH required / margin required	: - / 0.00 ft
nq (imp. eye flow) / S (imp. eye flow)	: 28 / - Metric units
Minimum Continuous Stable Flow	: 145.2 USgpm
Head, maximum, rated diameter	: 118.8 ft
Head rise to shutoff	: 6.03 %
Flow, best eff. point	: 671.2 USgpm
Flow ratio, rated / BEP	: 11.92 %
Diameter ratio (rated / max)	: 84.38 %
Head ratio (rated dia / max dia)	: 67.34 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids diameter limit	: 3.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

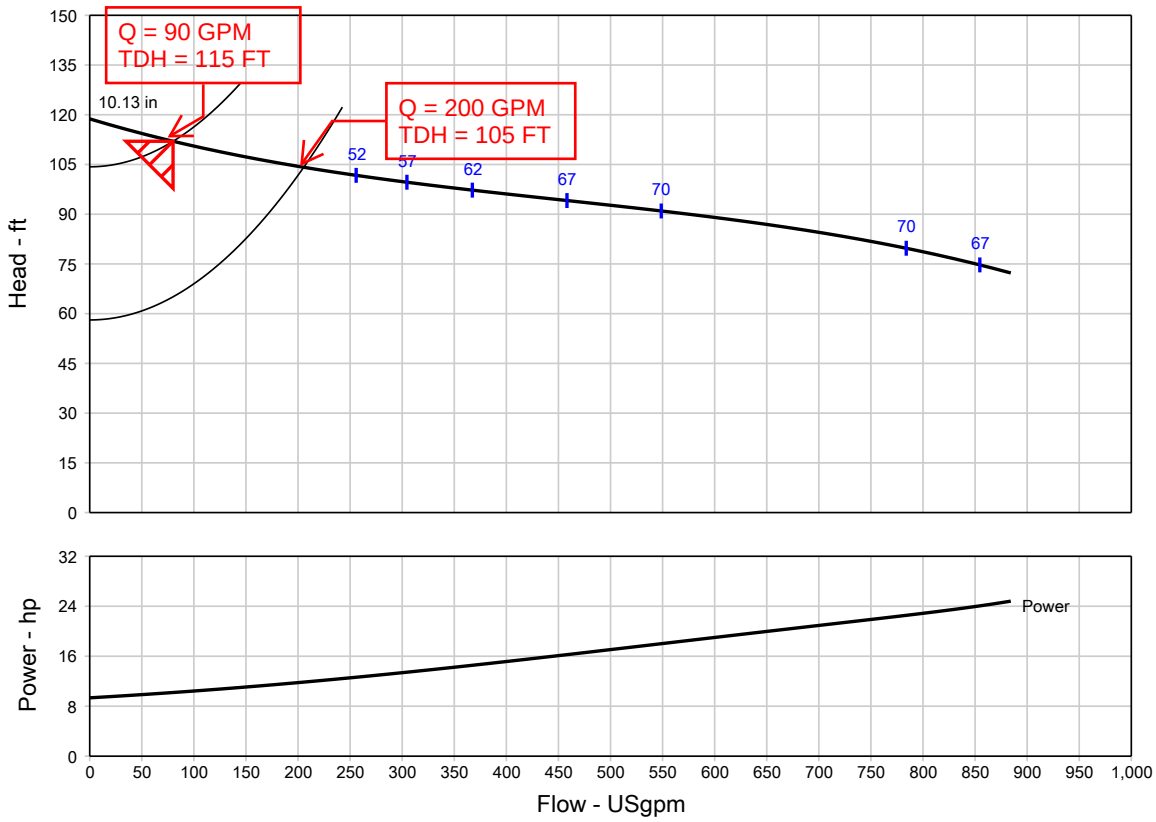
Material selected	: Standard

Pressure Data

Maximum working pressure	: 51.40 psi.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

Driver & Power Data (@Max density)

Driver sizing specification	: Maximum power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 2.26 hp
Power, rated	: 10.19 hp
Power, maximum, rated diameter	: 24.81 hp
Minimum recommended motor rating	: 25.00 hp / 18.64 kW



Tab 6: Lift Station 4-1 Design

Project: Howey
Table: 1 - Summary of Wastewater Demands
Engineer(s): SC\RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 1 - SUMMARY OF WASTEWATER DEMANDS - LS 4-1

PHASE	LAND USE	QUANTITY	UNITS	DEMAND	UNITS	ADF		PEAK	MDF	
						(gpd)	(gpm)	FACTOR	(gpd)	(gpm)
ER	SF Homes (actual)	177	UNITS	300	GPD/UNIT	53,100	36.9	2.5	132,750	92.2
ER	SF Homes (additional)		UNITS	300	GPD/UNIT	0	0.0	2.5	0	0.0
TOTAL		**177**				**53,100**	**36.9**		**132,750**	**92.2**

Project: Howey
Table: 2 - Lift Station Design
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 2 - LIFT STATION DESIGN - LS 4-1

PUMP DATA

MANUFACTURER	Pentair	MODEL	Hydromatic-S4NRC/S4NVX
PUMP CURVE	SUB_S_V_AH_00003_B_4 Rev 2012-03-23	IMPELLER SIZE	6.5 IN, rated
PUMP HORSEPOWER	2.77 HP, rated	DESIGN SPEED	1750 RPM, rated

DESIGN FLOWS

ADF QIN	36.9 GPM	PDF QIN	92.2 GPM

HYDRAULIC MODEL RESULTS

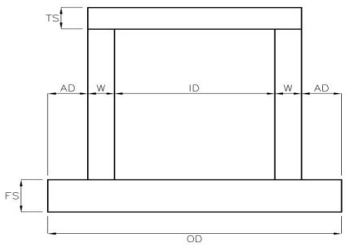
MAX PRESSURE	95.0 GPM OUTFLOW @	98.9	FT TDH

WET WELL STORAGE

Q	95	(GPM) FLOW OUT OF WET WELL PUMP DISCHARGE, ONE RUNNING
S	92	(GPM) WASTEWATER FLOW INTO WET WELL - PDF IN
T	20	(MIN) ASSUMED CYCLE TIME
V	54.6	(GAL) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
	7.3	(FT^3) VOLUME REQUIRED BETWEEN LEAD PUMP ON AND BOTH PUMPS OFF
STORAGE DEPTH	2.00	FT

WET WELL DESIGN

ELEVATION	63.00	SLAB TOP (WW INVERT)
ELEVATION	63.25	PUMP VOLUTE
ELEVATION	65.00	BOTH PUMPS OFF
ELEVATION	67.00	START LEAD
ELEVATION	68.00	START LAG
ELEVATION	69.00	HIGH LEVEL ALARM
ELEVATION	90.00	TOP OF WET WELL
ELEVATION	70	INFLUENT INVERT
TOTAL LIFT STATION DEPTH	27.00	FT



ID - INSIDE DIAMETER	8 FT	**FS** - FLOOR SLAB THICKNESS	12 IN
W - WALL THICKNESS	8 IN	**AD** - ADD SLAB DIAMETER	16 IN
TS - TOP SLAB THICKNESS	0 IN	**OD** - TOTAL SLAB DIAMETER	12.0 FT

CYCLE TIME EVALUATION

AVERAGE DAILY FLOW		PEAK DAILY FLOW	
TIME ON	0.94 MIN	TIME ON	19.41 MIN
TIME OFF	1.48 MIN	TIME OFF	0.59 MIN
TOTAL CYCLE TIME	2.42 MIN	TOTAL CYCLE TIME	20.00 MIN
STARTS PER HOUR	25	STARTS PER HOUR	3.0

DESIGN CHECKS

DEPTH FROM INFLUENT INVERT TO TOP OF SLAB (WET WELL INVERT)

REQUIRED	5 FT	PROVIDED	7.00 FT

TOTAL CYCLE TIME MINIMUM

REQUIRED	10 MIN	PROVIDED	2.42 MIN

DEPTH FROM HIGH LEVEL ALARM TO ALL PUMPS OFF

REQUIRED **3** FT PROVIDED 4.00 FT

WET WELL FLOATATION

ASSUMPTIONS

1) WEIGHT OF PUMPS, FITTINGS, ETC. NOT INCLUDED.

2) WET WELL IS EMPTY - FLUID WEIGHT WITHIN STRUCTURE IS NOT CONSIDERED

3) GROUNDWATER LEVEL IS AT TOP OF WET WELL

4) SOIL FRICTION FORCE IS EXCLUDED, ONLY THE WEIGHT OF SOIL ON TOP OF BOTTON OF SLAB IS CONSIDERED

DOWNWARD FORCES

CONCRETE WALLS

CONCRETE WALLS	18.2	FT^2
	27.00	FT (DEPTH OF WALLS)
	490.1	FT^3
SLAB	113.1	FT^2
	1.0	FT (THICKNESS)
	113.1	FT^3
CONCRETE WEIGHT	**0.0**	CY - ADDITIONAL BALLAST
	603.2	FT^3
	150	LB/FT^3 (UNIT WEIGHT OF REENFORCED CONCRETE)
	90,478	LBS
SOIL WEIGHT	44.7	FT^2
	27.00	FT (DEPTH OF WALLS)
	47.6	LB/FT^3 (110 LB/FT^3 - 62.4 LB/FT^3 = WEIGHT OF SOIL - WEIGHT OF WATER)
	57,423	LBS

UPWARD FORCES (HYDROSTATIC)

CONCRETE WALLS

	68.4	FT^2
	27.00	FT (DEPTH OF WALLS)
	1847.3	FT^3

SLAB

	113.1	FT^2
	1.0	FT (THICKNESS)
	113.10	FT^3

WEIGHT OF WATER

	1960.4	FT^3
	62.4	LB/FT^3
	122,326	LBS

TOTAL FORCES SUMMARY

DOWNWARD FORCE	**147,901**	LBS
UPWARD FORCE	**122,326**	LBS
SAFETY FACTOR	**1.21**	

Project: Howey
Table: 3 - Lift Station System Curve (4-1)
Engineer(s): SC/RB
Date: 3/28/2022 Revised: 3/31/2022
Job No.: 21-004-0008

TABLE 3 - LIFT STATION SYSTEM CURVE - LS 4-1

STATIC/ELEVATION HEAD

BOTH PUMPS OFF	**65.00**	FT	
HIGHPOINT ALONG FM	**91.00**	FT	
CONNECTION ELEVATION	**90.00**	FT	**INVERT ELEVATION OF MANHOLE**
TOTAL STATIC LOSS	**26.0**	**FT**	
TOTAL STATIC LOSS	**26.0**	**FT**	

FRICTION HEAD

	LIFT STATION RISER PIPES		LIFT STATION TO CONNECTION	
DESIGN FLOW (Q)	**95**	GPM	**95**	GPM
PIPE DIAMETER (D)	**4**	IN	**4**	IN
PIPE LENGTH (L)	**20**	FT	**769**	FT
HAZEN WILLIAMS COEFF (C	**120**		**120**	
VELOCITY (V)	2.43	FT/S	2.43	FT/S
FLOW AREA (A)	0.09	FT^2	0.09	FT^2
FRICTION LOSS (HF)	0.16	FT	6.09	FT
TOTAL FRICTION LOSS	**7.9**	**FT**		

CONNECTION/PRESSURE HEAD

CONNECTION PRESSURE (max)	**0**	PSI	CONNECTION PRESSURE (min)	**0**	PSI
TOTAL PRESSURE LOSS	**0.0**	**FT**	**TOTAL PRESSURE LOSS**	**0.0**	**FT**

MINOR HEAD LOSS 0

FITTING TYPE	K - VALUE	COUNT
DISCHARGE	0.6	1
90° BEND	0.3	2
VALVES	1.5	1
CHECK VALVES	2.0	2
TEE CONNECTION	0.4	1
OUTLET	1.0	1
USER DEFINED	0.0	0
TOTAL		**8.1**

TOTAL MINOR LOSS **0.7** **FT**

SYSTEM CURVE

Min Pressure

FLOW RATE	TDH	INCREMENT
GPM	FT	20.00
0	26.0	
20	26.4	
40	27.3	
60	28.7	
80	30.6	
95	**32.3**	**←SYSTEM PT**
112	34.6	
129	37.1	
146	40.0	
163	43.2	
180	46.6	
197	50.4	

Item number	: Default	Size	: Hydromatic - S4NRC/S4NVX
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: SUB_S_V_AH_00003_B_4 Rev 2012-03-23
Quote number	:	Date last saved	: 31 Mar 2022 8:33 AM

Operating Conditions

Flow, rated	: 95.00 USgpm
Differential head / pressure, rated (requested)	: 32.30 ft
Differential head / pressure, rated (actual)	: 34.45 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed, rated	: 1750 rpm
Impeller diameter, rated	: 6.50 in
Impeller diameter, maximum	: 8.00 in
Impeller diameter, minimum	: 5.50 in
Efficiency	: 29.88 %
NPSH required / margin required	: - / 0.00 ft
nq (imp. eye flow) / S (imp. eye flow)	: 30 / - Metric units
Minimum Continuous Stable Flow	: 52.80 USgpm
Head, maximum, rated diameter	: 39.60 ft
Head rise to shutoff	: 14.96 %
Flow, best eff. point	: 179.7 USgpm
Flow ratio, rated / BEP	: 52.86 %
Diameter ratio (rated / max)	: 81.25 %
Head ratio (rated dia / max dia)	: 66.24 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids diameter limit	: 3.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

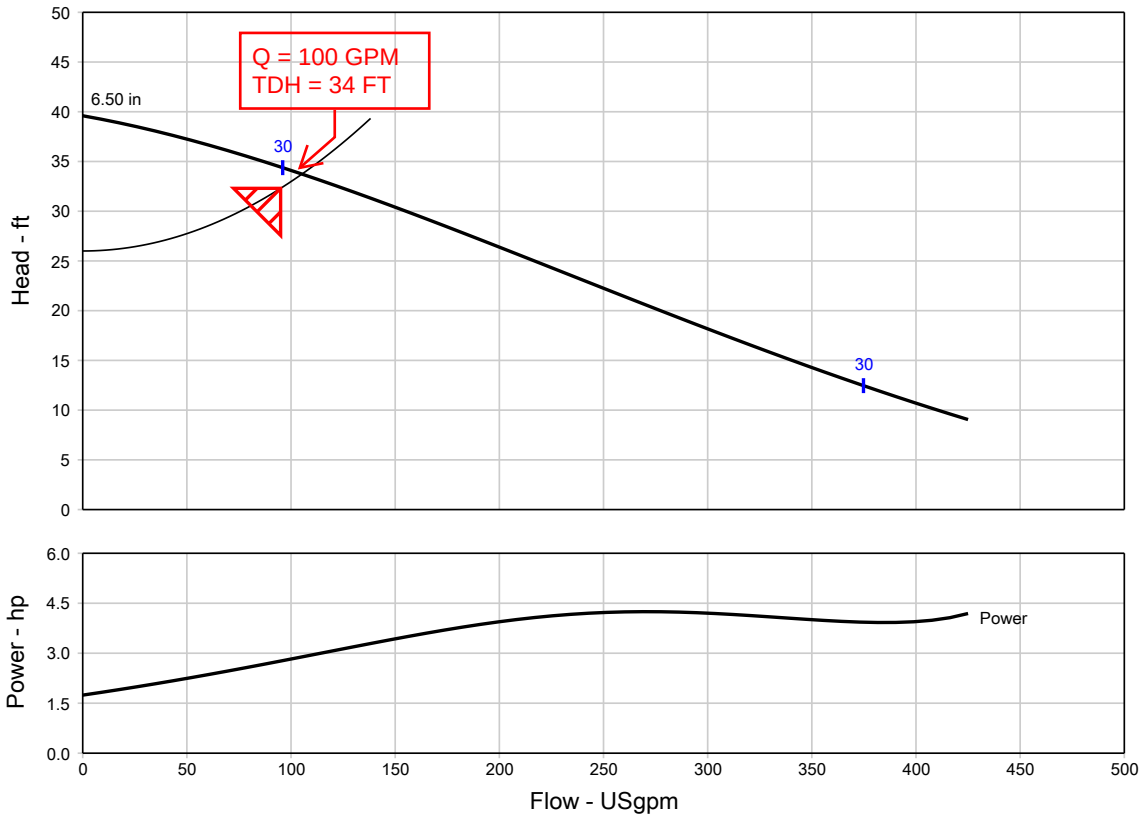
Material selected	: Standard

Pressure Data

Maximum working pressure	: 17.14 psi.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

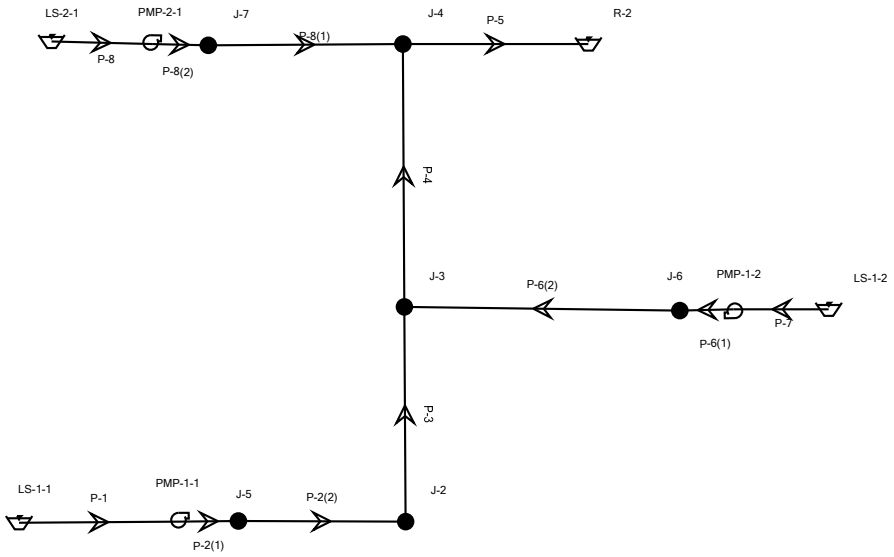
Driver & Power Data (@Max density)

Driver sizing specification	: Maximum power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 0.83 hp
Power, rated	: 2.77 hp
Power, maximum, rated diameter	: 4.25 hp
Minimum recommended motor rating	: 5.00 hp / 3.73 kW



Tab 7: Hydraulic Model of Manifolded System

Scenario: Base



FlexTable: Reservoir Table

ID	Label	Elevation (ft)	Zone	Flow (Out net) (gpm)	Hydraulic Grade (ft)
31	LS-1-1	70.00	<None>	180	70.00
40	R-2	120.00	<None>	-1,248	120.00
42	LS-1-2	70.00	<None>	391	70.00
47	LS-2-1	70.00	<None>	677	70.00

FlexTable: Pump Table

FlexTable: Pump Table

ID	Label	Elevation (ft)	Pump Definition	Status (Initial)	Hydraulic Grade (Suction) (ft)	Hydraulic Grade (Discharge) (ft)	Flow (Total) (gpm)	Pump Head (ft)
32	PMP-1-1	70.00	Pump Definition - 1-1	On	69.97	139.58	180	69.61
44	PMP-1-2	70.00	Pump Definition - 1-2	On	69.89	152.49	391	82.60
49	PMP-2-1	70.00	Pump Definition - 2-1	On	69.70	140.95	677	71.25

FlexTable: Pipe Table

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
33	P-1	55	LS-1-1	PMP-1-1	4.0	PVC	120.0	False	0.000	180	4.60	0.026	True	1
37	P-3	73	J-2	J-3	10.0	PVC	120.0	False	0.000	180	0.74	0.000	True	1,100
39	P-4	90	J-3	J-4	10.0	PVC	120.0	False	0.000	571	2.33	0.003	True	1,000
41	P-5	63	J-4	R-2	10.0	PVC	120.0	False	0.000	1,248	5.10	0.011	True	1,000
45	P-7	33	LS-1-2	PMP-1-2	4.0	PVC	120.0	False	0.000	391	9.98	0.109	True	1
51	P-8	34	PMP-2-1	LS-2-1	4.0	PVC	120.0	False	0.000	-677	17.27	0.301	True	1
55	P-2(1)	20	PMP-1-1	J-5	4.0	PVC	120.0	False	0.000	180	4.60	0.026	True	20
56	P-2(2)	57	J-5	J-2	6.0	PVC	120.0	False	0.000	180	2.05	0.004	True	1,510
58	P-6(1)	18	PMP-1-2	J-6	4.0	PVC	120.0	False	0.000	391	9.98	0.109	True	20
59	P-6(2)	94	J-6	J-3	6.0	PVC	120.0	False	0.000	391	4.43	0.015	True	1,128
61	P-8(1)	67	J-4	J-7	6.0	PVC	120.0	False	0.000	-677	7.68	0.042	True	100
62	P-8(2)	19	J-7	PMP-2-1	4.0	PVC	120.0	False	0.000	-677	17.27	0.301	True	20

FlexTable: Junction Table

ID	Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
34	J-2	90.00	0	133.62	19
36	J-3	90.00	0	133.29	19
38	J-4	88.00	0	130.76	19
54	J-5	90.00	0	139.06	21
57	J-6	90.00	0	150.31	26
60	J-7	90.00	0	134.93	19

MASTER STORMWATER CALCULATIONS

Hillside Groves

FOR

Lennar Homes LLC

Date: April 2022

BY

Connelly & Wicker Inc.
Planning • Engineering • Landscape Architecture

1560 North Orange Ave.
Suite 210
Winter Park, FL 32789
CWI Job #: 18-04-0004
Certificate of Authorization No. 3650

Ryan R Blaida

Digitally signed by Ryan R Blaida
DN: c=US, o=CONNELLY AND WICKER INC., ou=A01410D000001770172 83E200013904, cn=Ryan R Blaida
Date: 2022.04.01 09:54:02 -04'00'

RYAN BLAIDA LICENSE No. 61017 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ryan Blaida, P.E.
FL PE #61017

This item has been electronically signed and sealed by Ryan Blaida on the date indicated here using SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

TABLE OF CONTENTS

Tab 1: Introduction

Project Overview

Hillside Groves is a 375.2-acre single-family residential home project located north of State Road 19 and southwest of W. Central Ave. and S. Florida Ave. in Howey in the Hills, Lake County, Florida. It is situated in Section 35, Township 20S, Range 25E. Please see Location Map and Figure 2 Aerial Map, both under Tab 2 of this report.

Hillside Groves is a large PUD with supporting roads and infrastructure. The purpose of this report is to demonstrate the potable water system is designed to meet the potable water demand for the proposed development.

Design Criteria

Drainage

A detailed topographic survey shows that the site general drains from the middle of the site to the west or to the east.

The eastern portion of the site drains through a system of wetlands, eventually draining to the North and East to a positive outfall

The western portion of the site drains to a closed basin made up of the Wetlands denoted in this study as Wet D, Wet K, and Wet E.

The site also accepts runoff from several off-site basins that drain to the existing on-site wetlands. Detailed pre and post development basins are provided in the following report.

Soils

See the included Geotechnical Investigation Report as well as the provided Soils Map.

FEMA Flood Map Review

Review of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM) 12069C0675E Dated December 18, 2012 indicates that the project has areas that are in Zone a and Zone AE. These flood zones generally corollate with the wetlands on-site.

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Post-Development Design

Included herein is a figure depicting the proposed development for the site. The site is master planned single family and townhome (villa) subdivision with required infrastructure including dry retention ponds, wet detention ponds and borrow ponds.

Erosion control measures will be implemented during construction to assure that the water quality of the surrounding area is not adversely impacted. This may include but is not limited to seed & mulch, silt fences, and turbidity barriers as required.

Criteria and Methodology

The storm water management system for this project is designed to meet or exceed the criteria established by the St. Johns River Water Management District (SJRWMD). These design criteria include requirements for providing physical treatment for water quality protection and restrictions on off-site discharge rates. As noted above the existing site is undeveloped.

Primary Storm Water Management System

As noted above the, the western portion of the site is a closed basin. The storm water for this portion of the site will be controlled with the use of a collection system, terminating into on-site dry retention ponds. The ponds are designed to handle pre vs pot volume difference from the 25-Yr, 96 hr. storm with a 14-day recovery period. The dry ponds will allow this volume of water to discharge to the wetlands through trapezoidal weirs. Additionally, wet borrow ponds with no water quality or discharge directly form the site will also be hydraulically connected to the wetlands to provide additional storage volume.

The eastern portion of the site as noted above has a positive outfall. These ponds will be either wet detention or dry retention ponds with control structures to discharge to the wetland system. Additionally, wet borrow ponds with no water quality or discharge directly form the site will also be hydraulically connected to the wetlands to provide additional attenuation for the stormwater management system.

To satisfy water quality requirements, the greater of 1.25" of rainfall over the site or 2.5" rainfall over the impervious area for wet ponds and 0.5" of rainfall over the site or 1" rainfall over the impervious area for dry ponds was determined and is summarized in the following tables.

The following tables summarize the final design data for the storm water management system.

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Analysis of this site's storm water characteristics for both pre-development and post-development conditions was performed in ICPR v 3.10. Data from this analysis is included herein. Pre-development conditions were assessed to ensure that the portion of the site that is a closed basin does not receive additional runoff volume and the portion of the site with a positive outfall does not exceed the pre development discharge rate.

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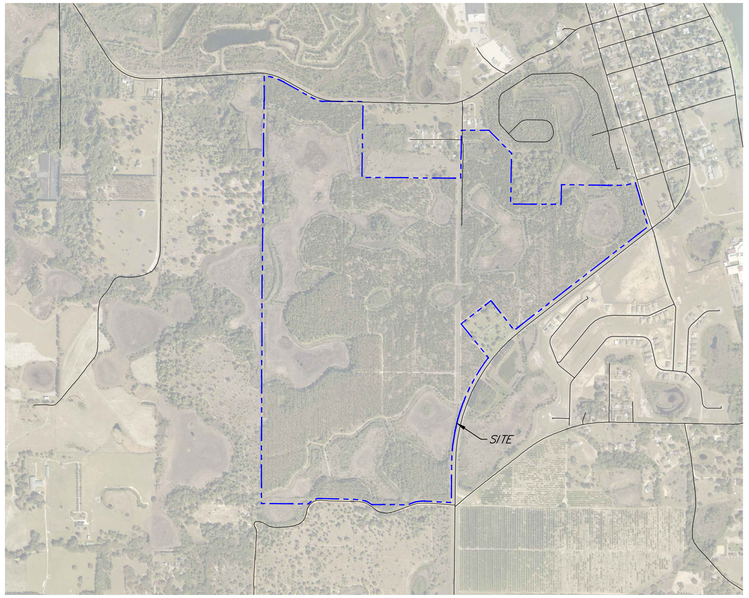
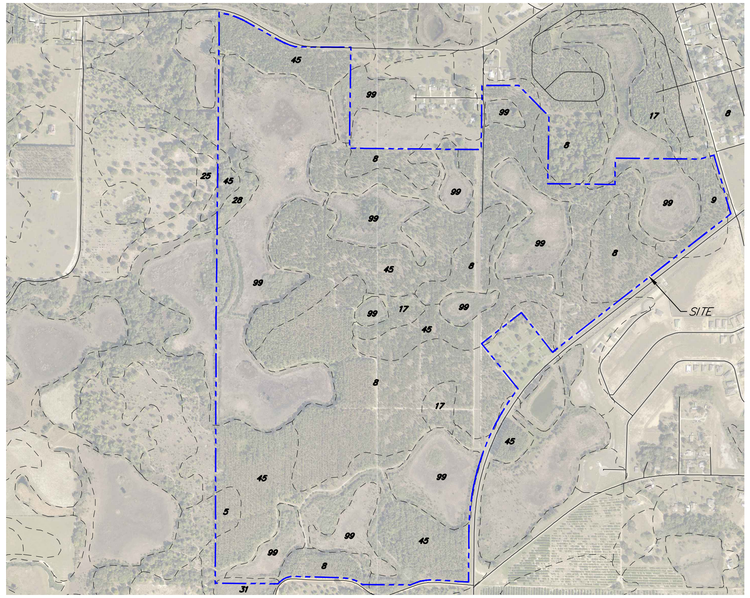
Tab 2: Figures



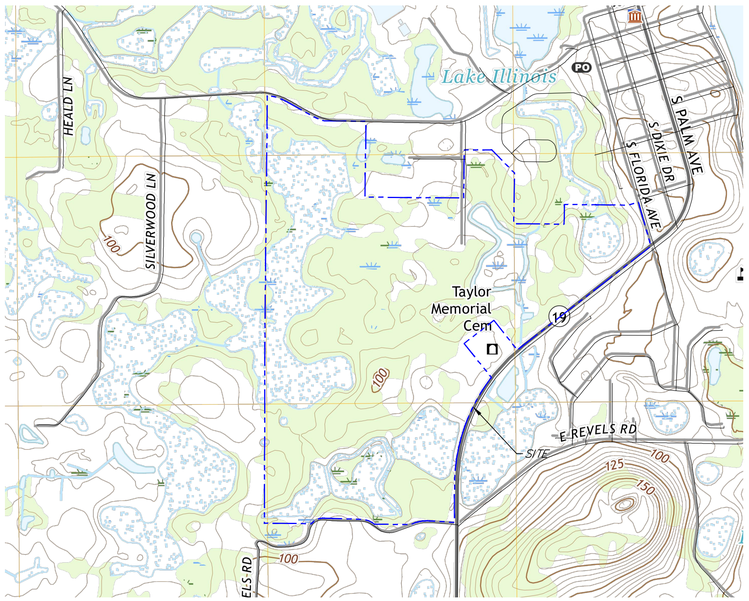
AERIAL MAP
1" = 1000'



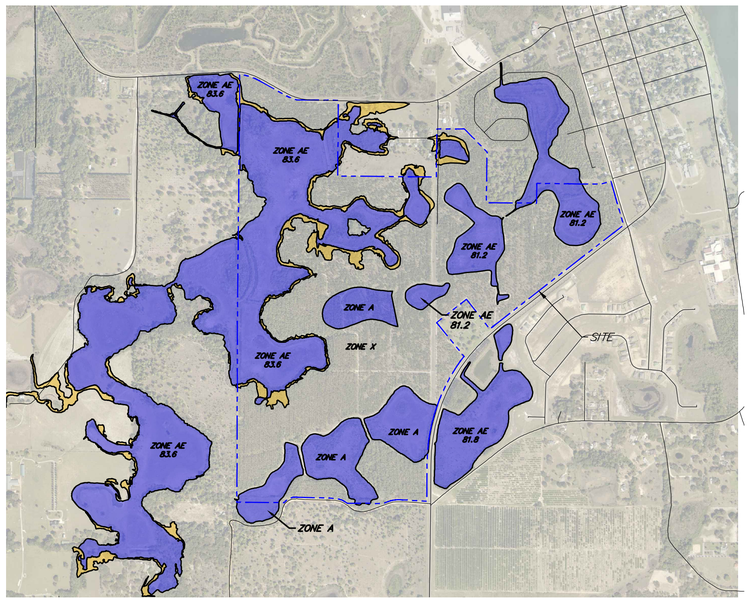
SOIL MAP
1" = 750'

LEGEND

5 – APOPKA SAND, 0 TO 5 PERCENT SLOPES – A
8 – CANDLER SAND, 0 TO 5 PERCENT SLOPES – A
17 – ARENTS – B
25 – KENDRICK SAND, 5 TO 8 PERCENT SLOPES – A
28 – MYAKKA–MYAKKA, WET, SANDS, 0 TO 2 PERCENT SLOPES – A/D
45 – TAVARES SAND, 0 TO 5 PERCENT SLOPES – A
99 – WATER



USGS TOPO
1" = 1000'



FEMA FIRM #12069C0485E
REVISED 12/18/2012
1" = 1000'

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FLORIDA REGISTRY: 3650 L.A. NUMBER: LC26000311

No.	Date	Revision	By

SITE INFORMATION

THE RESERVE AT
HOWEY IN THE HILLS
PREPARED FOR
LENNAR - ORLANDO
ORLANDO, FL

Feb 25, 2022
RYAN R. BLAIDA, P.E.
FL P.E.: #61017
Reg. Engineer

Project No.: 21-04-0008	
Designed: RRB	Drawn: RAH
Checked: RRB	O.C.: RCW
Date: APRIL 2021	
Scale: AS NOTED	DATUM:

Sheet C150

Printed: Mar 31, 2022 - 11:00pm Printed By: Rob

A:WET K
U:K1
U:K2
U:OFF K
U:WET K

P:P-K-D
W:W-K-D

T:WET D
U:D1
U:D4
U:D5
U:WET D

P:E-D
W:E--D

W:D3-WET D

A:D3
U:D3

W:D2-D3

A:D2
U:D2

A:WET E
U:E1
U:WET E

W:F-E

A:WET F
U:F1
U:OFF F
U:WET F

W:G5-WET E

A:WET G5
U:G5
U:WET G5

W:F-G1

W:WET G5-64

A:WET G4
U:G4
U:WET G4

A:WET J
U:J1
U:OFF J1
U:WET J

W:J-G1

A:WET G1
U:G1
U:OFF G1
U:WET G1

W:WET G3-G1

W:G4-G3

A:C3
U:C3

W:C3-WETC

A:WET C
U:C1
U:C2
U:WET C

P:B-C
W:B--C

A:WET B
U:B1
U:B2
U:B3
U:OFF B
U:WET B

W:B4-WETB

A:B4
U:B4

W:OB2-WETB

A:OFF B2
U:OFF B2

W:OB3-OB2

A:OFF B3
U:OFF B3

P:A-B
W:A--B

A:WET A
U:A1
U:A2
U:OFF A
U:WET A

P:C-Z

T:OUTFALL

P:G2 OUT

P:WET G1--62
W:WET G1-G2

A:WET G2
U:G2
U:OFF G2
U:WET G2

W:DUM-WET G1

A:DUMMY
U:H1
U:H2

P:WETZ-DUMMY

A:WET G3
U:G3
U:WET G3

A:WET Z1
U:WET Z1
U:Z1

W:WETZ1-Z

A:WET Z
U:SE OFF
U:WET Z

0 750' 1500' 3000'
1" = 3000'

Pre Development Hydrology Network

3/31/2022

21-04-008

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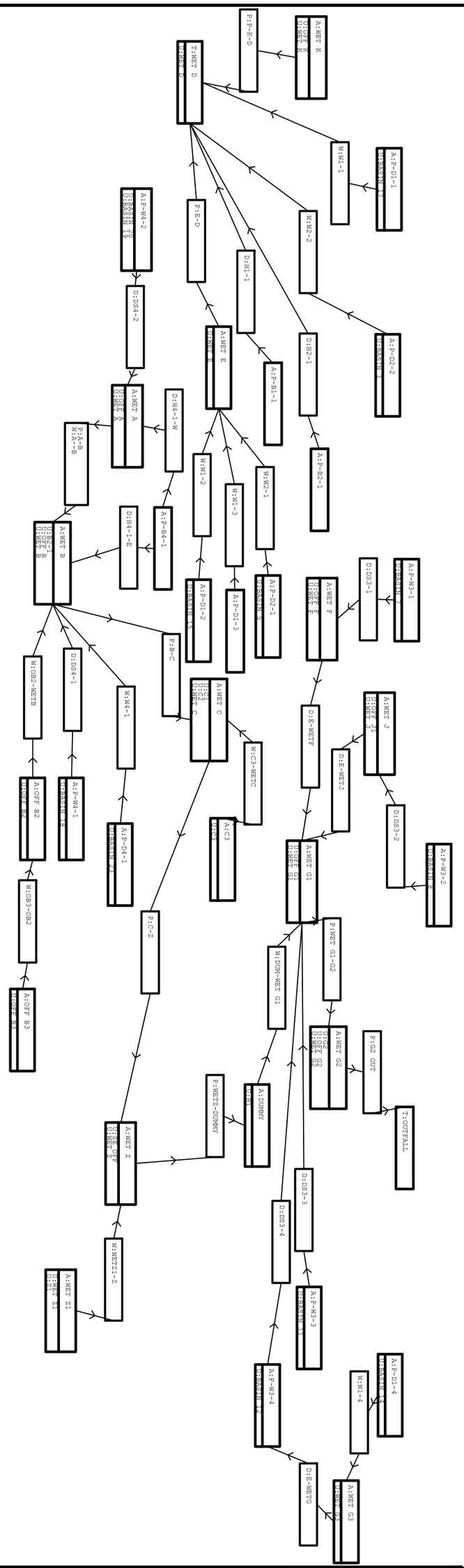

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0 750' 1500' 3000'
1" = 3000'

Post Development Hydrology Network

21-04-008

3/31/2022

TAB 3: DESIGN TABLES

Project: Preserve at Howey
Table: 1 – Post-Development Hydrological Data
Engineer(s): DT
Date: 3/24/2022
Job No.: 21-04-0008

BASIN	REC. NODE	BASIN AREA	WETLAND	POND			50x115			VILLAS			50X80			PARK			BOULEVARD			CN	Tc^2
				TOTAL	BOT/NCL	PERVIOUS	TOTAL	IMPERVIOUS	PERVIOUS	TOTAL	IMPERVIOUS	PERVIOUS	TOTAL	IMPERVIOUS	PERVIOUS	TOTAL	IMPERVIOUS	PERVIOUS	TOTAL	IMPERVIOUS	PERVIOUS		
		CN -->	95		100	39		98	39		98	39		98	39		98	39		98	39		
Basin-1	Pond D2-2	12.46	0.00	1.80	0.26	1.54		0.00	0.00	7.37	4.76	2.61		0.00	0.00	2.49	0.50	1.99	0.80	0.41	0.39	67	15
Basin-2-1		75.72	75.72			0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	95	15
Basin-2-2		1.39	1.39			0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	95	15
Basin 2-3		10.19	10.19			0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	95	15
Basin 3	Pond B2- 1	6.63	0.00	1.60	0.52	1.08		0.00	0.00	2.75	1.78	0.98		0.00	0.00	1.30	0.26	1.04	0.98	0.50	0.48	66	15
Basin 4	Pond B1-1	3.84	0.00	2.45	0.77	1.68	1.39	0.59	0.80		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	60	15
Basin 5	Pond D2-1	8.05	0.00	2.06	1.00	1.06		0.00	0.00	3.42	2.21	1.21		0.00	0.00	2.57	0.51	2.06		0.00	0.00	67	15
Basin 6		3.38	3.38			0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	95	15
Basin 7	Pond W3-1	7.44	0.00	0.88	0.45	0.43	2.81	1.19	1.62		0.00	0.00		0.00	0.00	3.75	0.75	3.00		0.00	0.00	58	15
Basin 8	Pond W3-2	10.07	0.00	2.60	1.60	1.00	4.52	1.92	2.60		0.00	0.00		0.00	0.00	2.95	0.59	2.36		0.00	0.00	63	15
Basin 9		1.76	1.76			0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	95	15
Basin 10		13.32	13.32			0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	95	15
Basin 11	Pond W3-3	15.29	0.00	2.70	1.85	0.85		0.00	0.00		0.00	0.00	7.99	3.64	4.35	4.60	0.92	3.68		0.00	0.00	64	15
Basin 12	Pond W3-4	23.24	0.00	3.76	1.60	2.16		0.00	0.00		0.00	0.00	11.05	5.03	6.02	7.74	1.55	6.19	0.69	0.35	0.34	61	15
Basin 13		3.16	3.16			0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	95	15
Basin 14	Pond D1-3	5.86	0.00	1.49	0.29	1.20		0.00	0.00		0.00	0.00	2.50	1.14	1.36	1.87	0.37	1.50		0.00	0.00	57	15
Basin 15	Pond D1-2	13.94	0.00	1.18	0.10	1.08		0.00	0.00		0.00	0.00	8.66	3.94	4.72	3.12	0.62	2.50	0.98	0.50	0.48	61	15
Basin 16		7.05	0.00			0.00	4.99	2.12	2.88		0.00	0.00		0.00	0.00		0.00	0.00	2.06	1.05	1.01	65	15
Basin 17	Pond D1-1	19.04	0.00	2.55	0.79	1.76	9.90	4.20	5.70		0.00	0.00	2.26	1.03	1.23	3.35	0.67	2.68	0.98	0.50	0.48	61	15
Basin 18	Pond W4-1	17.04	0.00	2.31	1.56	0.75	11.63	4.94	6.70		0.00	0.00		0.00	0.00	2.41	0.48	1.93	0.69	0.35	0.34	65	15
Basin 19	Pond W4-2	16.79	0.00	3.47	2.39	1.08	9.30	3.95	5.35		0.00	0.00		0.00	0.00	4.02	0.80	3.22		0.00	0.00	64	15
Basin 20	Pond W4-2	20.95	0.00	3.97	2.39	1.58	8.92	3.78	5.13		0.00	0.00	5.31	2.42	2.90	2.75	0.55	2.20		0.00	0.00	65	15
Basin 21		6.59	6.59			0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	95	15
Basin 22		14.49	14.49			0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	95	15
Basin 23	Pond D4-1	12.67	0.00	0.62	0.01	0.61	6.34	2.69	3.65		0.00	0.00	2.50	1.14	1.36	3.21	0.64	2.57		0.00	0.00	60	15
Total		303.20	115.51																				

Note:

(1) Minimum Tc of 15 mins used.
(2) Soil types that were type A/D were assumed to be poorly-drained D in pre-development and well-drained A in post-development.
(3) Pond 3 assumed to take in 67% of basin 3, Pond 4 assumed to take in 33% of basin 3.
(4) All 50x80 lots assumed 46% impervious

Project: Preserve at Howey
Table: 1 – Post-Development Hydrological Data
Engineer(s): DT
Date: 3/24/2022
Job No.: 21-04-0008

Typical 50'x80' SFR R/W Adjacent			Typical 50'x80' SFR Alley Adjacent			Typical 27'x100' Villas			Typical 50'x115' SFR Lot			Blvd Section			Assumptions	
Lot Width	50	ft	**Lot Width**	50	ft	**Lot Width**	118	ft	**Lot Width**	50	ft	**R/W Width**	80	ft	Driveway Width =	25
Lot Length	80	ft	**Lot Length**	80	ft	**Lot Length**	100	ft	**Lot Length**	115	ft	**Lane + Curb**	25.75	ft	1/2 Right Of Way Width =	4
Rear Offset	10	ft	**Rear Offset**	10	ft	**Rear Offset**	10	ft	**Rear Offset**	10	ft	**Sidewalk**	5	ft	Number of Villa Units =	50%
Front Offset	20	ft	**Front Offset**	20	ft	**Front Offset**	20	ft	**Front Offset**	20	ft	**Path**	10	ft	SFR DCIA =	27
Side Offset	5	ft	**Side Offset**	5	ft	**Side Offset**	5	ft	**Side Offset**	5	ft	**Total Imp**	40.75	ft	Villa Lot Widt	70%
Driveway	320	sf	**Driveway**	320	sf	**Driveway**	1280	sf	**Driveway**	320	sf	**% Impervious**	51%	sf	Villa DCIA =	20
R/W	1250	sf	**R/W**	2450	sf	**R/W**	2950	sf	**R/W Total**	1250	sf				1/2 Alley Section =	11
Sidewalk	5	ft	**Sidewalk**	5	ft	**Sidewalk**	5	ft	**Sidewalk**	5	ft				1/2 Alley Pvmt+curb =	
Road (Including Curb and Gutter)	14	ft	**Curb and Gutter)**	14	ft	**Road (Including Curb and Gutter)**	14	ft	**Curb and Gutter)**	14	ft					
R/W Imp	950	sf	**R/W Imp**	1520	sf	**R/W Imp**	2242	sf	**R/W Imp**	950	sf	**PARK**				
House Pad	2000	sf	**Alley**	1000	sf	**House Pad**	7560	sf	**House Pad**	3400	sf	**% Impervious**	20%			
DCIA	1000	sf	**Alley Imp**	550	sf	**DCIA**	5292	sf	**DCIA**	1700	sf					
Total Area	5250	sf	**House Pad**	2000	sf	**Total Area**	14750	sf	**Total Area**	7000	sf					
Impervious Area	2270	sf	**DCIA**	1000	sf	**Impervious Area**	9522	sf	**Impervious Area**	2970	sf					
			Total Area	7450	sf											
% Impervious	43%		**Impervious Area**	3390	sf	**% Impervious**	65%		**% Impervious**	42%						
			% Impervious	46%												

Project: Tennis Pod
Table: 2 – WQ Data
Engineer(s): DT
Date: 3/24/2022 Revised: 3/31/2022
Job No.: 20-04-0015

SJRWMD Methodology

BASIN NAME	RECEIVING NODE	TOTAL AREA (ac)	PERVIOUS AREA (ac)	IMPERVIOUS AREA (ac)	% IMPERVIOUS	DRY POND WATER QUALITY VOL REQ. (ac-ft)		
						0.5" Runoff over Basin (ac-ft)	Volume based on 1.25" Impervious (ac-ft)	WQ Req Pond (ac-ft)
Basin-1	Pond D2-2	12.46	6.54	5.92	48%	0.52	0.62	0.62
Basin 5	Pond D2-1	8.05	4.33	3.72	46%	0.34	0.39	0.39
Basin 14	Pond D1-3	5.86	4.06	1.80	31%	0.24	0.19	0.24
Basin 15	Pond D1-2	13.94	8.78	5.16	37%	0.58	0.54	0.58
Basin 17	Pond D1-1	19.04	11.85	7.19	38%	0.79	0.75	0.79
Basin 23	Pond D4-1	12.67	8.19	4.48	35%	0.53	0.47	0.53
Total		**72.02**	**43.74**	**28.28**		**1.10**	**1.19**	**1.25**

SJRWMD Methodology

BASIN NAME	RECEIVING NODE	TOTAL AREA (ac)	PERVIOUS AREA (ac)	IMPERVIOUS AREA (ac)	% IMPERVIOUS	WET POND WATER QUALITY VOL REQ. (ac-ft)		
						1" Runoff over Basin (ac-ft)	on 2.5" Impervious (ac-	WQ Req Pond (ac-ft)
Basin 7	Pond W3-1	7.44	5.05	2.39	32%	0.62	0.50	0.62
Basin 8	Pond W3-2	10.07	5.96	4.11	41%	0.84	0.86	0.86
Basin 11	Pond W3-3	15.29	8.88	6.41	42%	1.27	1.33	1.33
Basin 12	Pond W3-4	23.24	14.71	8.53	37%	1.94	1.78	1.94
Basin 18	Pond W4-1	17.04	9.71	7.33	43%	1.42	1.53	1.53
Basin 19 & 20	Pond W4-2	37.74	20.51	17.23	46%	3.15	3.59	3.59
Total		**56.04**	**34.61**	**21.43**		**2.73**	**2.69**	**2.81**

Notes:

(1) WQ determined from the greater of 1.0" over the entire basin or 2.5" over the impervious area

(2) Total WQ required in Pond 3 & 4 = 0.77

Project: Tennis Pod
Table: 3 - Stage Storage Data
Engineer(s): DT
Date: 3/24/2022 Revised: 3/31/2022
Job No.: 20-04-0015

STORAGE NODES

POND D2-2

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	86.10	1.80	1.655	4.60
Water Quality Required:	0.62	82.44	GB	85.00	1.21	0.120	2.94
Water Quality Provided:	2.82	84.90		84.90	1.19	2.200	2.82
1/2 WQ Volume Req'd:	0.31	81.86	WQ	82.44	0.60	0.620	0.62
			1/2 WQ	81.86	0.46	0.310	0.31
			Bottom	81.00	0.26	0.000	0.00

POND D2-1

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	85.50	2.06	1.855	6.49
Water Quality Required:	0.39	81.38	GB	84.50	1.65	2.266	4.64
Water Quality Provided:	2.37	83.00		83.00	1.37	1.981	2.37
1/2 WQ Volume Req'd:	0.19	82.00	WQ	81.38	1.07	0.391	0.39
			1/2 WQ	82.00	1.19	1.093	1.09
			Bottom	81.00	1.00	0.000	0.00

POND W3-1

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	85.00	0.88	0.785	2.50
Water Quality Required:	0.62	82.24	GB	84.00	0.69	1.057	1.71
Water Quality Provided:	0.65	82.30	Weir	82.30	0.55	0.032	0.65
1/2 WQ Volume Req'd:	0.31	81.65	WQ	82.24	0.55	0.620	0.62
			1/2 WQ	81.65	0.50	0.310	0.31
			NCL	81.00	0.45	0.000	0.00
			NCL	81.00	0.45	0.760	3.71
			GB	79.00	0.31	2.950	2.95
			Bottom	69.00	0.28	0.000	0.00

Project: Tennis Pod
Table: 3 - Stage Storage Data
Engineer(s): DT
Date: 3/24/2022 Revised: 3/31/2022
Job No.: 20-04-0015

POND W3-2

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	85.00	2.60	2.395	8.08
Water Quality Required:	0.86	81.52	GB	84.00	2.19	2.092	5.69
Water Quality Provided:	3.59	83.00	Weir	83.00	1.99	2.733	3.59
1/2 WQ Volume Req'd:	0.43	82.00	WQ	81.52	1.70	0.860	0.86
			1/2 WQ	82.00	1.80	1.698	1.70
			NCL	81.00	1.60	0.000	0.00
			NCL	81.00	1.60	1.910	6.21
			GB	79.00	0.31	4.300	4.30
			Bottom	69.00	0.55	0.000	0.00

POND W3-3

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	85.00	2.70	2.525	8.83
Water Quality Required:	1.33	81.70	GB	84.00	2.35	2.267	6.30
Water Quality Provided:	4.03	83.00	Weir	83.00	2.18	2.703	4.03
1/2 WQ Volume Req'd:	0.67	82.00	WQ	81.70	1.97	1.330	1.33
			1/2 WQ	82.00	2.02	1.933	1.93
			NCL	81.00	1.85	0.000	0.00
			NCL	81.00	1.85	3.390	16.09
			GB	79.00	1.54	12.700	12.70
			Bottom	69.00	1.00	0.000	0.00

POND W3-4

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	85.50	3.76	3.355	11.32
Water Quality Required:	1.94	82.07	GB	84.50	2.95	2.757	7.96
Water Quality Provided:	5.21	83.50	Weir	83.50	2.56	3.265	5.21
1/2 WQ Volume Req'd:	0.97	82.00	WQ	82.07	2.01	1.940	1.94
			1/2 WQ	82.00	1.99	1.793	1.79
			NCL	81.00	1.60	0.000	0.00
			NCL	81.00	1.60	2.550	8.85
			GB	79.00	0.95	6.300	6.30
			Bottom	69.00	0.31	0.000	0.00

POND D1-3

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	87.00	1.49	1.375	6.38
Water Quality Required:	0.24	81.32	GB	86.00	1.26	1.208	5.00
Water Quality Provided:	3.79	85.00		85.00	1.16	3.552	3.79
1/2 WQ Volume Req'd:	0.12	83.00	WQ	81.32	0.77	0.240	0.24
			1/2 WQ	83.00	0.95	1.688	1.69
			NCL	81.00	0.74	0.000	0.00

POND D1-2

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	87.00	1.18	1.055	4.48
Water Quality Required:	0.58	82.17	GB	86.00	0.93	0.881	3.43
Water Quality Provided:	2.54	85.00		85.00	0.83	1.964	2.54
1/2 WQ Volume Req'd:	0.29	83.00	WQ	82.17	0.55	0.580	0.58
			1/2 WQ	83.00	0.64	1.076	1.08
			NCL	81.00	0.44	0.000	0.00

Project: Tennis Pod
Table: 3 - Stage Storage Data
Engineer(s): DT
Date: 3/24/2022 Revised: 3/31/2022
Job No.: 20-04-0015

POND D1-1

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	85.00	2.55	2.365	8.11
Water Quality Required:	0.79	81.47	GB	84.00	2.18	1.068	5.75
Water Quality Provided:	4.68	83.50		83.50	2.09	3.887	4.68
1/2 WQ Volume Req'd:	0.40	82.00	WQ	81.47	1.73	0.790	0.79
			1/2 WQ	82.00	1.83	1.738	1.74
			NCL	81.00	1.65	0.000	0.00

POND W4-1

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	85.00	2.31	2.155	7.50
Water Quality Required:	1.53	81.94	GB	84.00	2.00	0.982	5.34
Water Quality Provided:	4.36	83.50	Weir	83.50	1.93	2.828	4.36
1/2 WQ Volume Req'd:	0.76	82.00	WQ	81.94	1.70	1.530	1.53
			1/2 WQ	82.00	1.71	1.633	1.63
			NCL	81.00	1.56	0.000	0.00
			NCL	81.00	1.56	2.850	11.57
			GB	79.00	1.29	8.720	8.72
			Bottom	71.00	0.89	0.000	0.00

POND W4-2

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	86.40	3.97	3.715	16.59
Water Quality Required:	3.59	82.40	GB	85.40	3.46	9.011	12.87
Water Quality Provided:	3.86	82.50	Weir	82.50	2.75	0.269	3.86
1/2 WQ Volume Req'd:	1.80	82.40	WQ	82.40	2.73	3.590	3.59
			1/2 WQ	82.40	2.73	3.584	3.58
			NCL	81.00	2.39	0.000	0.00
			NCL	81.00	2.39	4.330	16.52
			GB	79.00	1.94	12.188	12.19
			Bottom	71.50	1.31	0.000	0.00

POND D4-1

	Volume (ac-ft)	Stage (ft)		STAGE (ft)	AREA (ac)	STORAGE (ac-ft)	Σ Storage (ac-ft)
			Top of Bank Elev.	85.00	0.62	0.535	1.56
Water Quality Required:	0.53	82.79	GB	84.00	0.45	0.216	1.02
Water Quality Provided:	0.80	83.50	Weir	83.50	0.41	0.274	0.80
1/2 WQ Volume Req'd:	0.26	82.00	WQ	82.79	0.36	0.530	0.53
			1/2 WQ	82.00	0.30	0.267	0.27
			NCL	81.00	0.23	0.000	0.00

Project: Tennis Pod
Table: 5 - Pond Summary
Engineer(s): DT
Date: 3/31/2022 Revised: 3/31/2022
Job No.: 20-04-0015

Peak Stage Summary

Node	25Yr-96 Hr Peak Stage (ft)	10Yr-24 Hr Peak Stage (ft)	25Yr-24 Hr Peak Stage (ft)	100Yr-24 Hr Peak Stage (ft)	NCL (ft)	Top of Bank (ft)
P-B1-1	83.60	83.60	83.60	83.60	81.0	85.50
P-B2-1	83.60	83.60	83.60	83.60	81.0	85.50
P-B4-1	82.91	81.87	82.13	82.67	81.0	85.00
P-D1-1	85.67	85.09	85.56	85.63	81.0	85.00
P-D1-2	86.97	86.56	86.61	86.84	81.0	87.00
P-D1-3	83.00	83.00	83.00	83.00	81.0	87.00
P-D1-4	84.71	84.53	84.55	84.64	81.0	86.00
P-D2-1	85.10	84.70	85.03	85.08	81.0	85.50
P-D2-2	85.79	85.48	85.57	85.68	81.0	86.10
P-D4-1	84.14	83.80	83.91	84.08	81.0	85.00
P-W3-1	84.49	83.27	83.99	84.39	81.0	85.00
P-W3-2	83.65	82.35	82.74	83.41	81.0	85.00
P-W3-3	84.25	82.86	83.38	84.22	81.0	85.00
P-W3-4	84.23	82.63	83.10	83.85	81.0	85.50
P-W4-1	84.61	83.45	84.10	84.57	81.0	85.00
P-W4-2	85.09	83.45	83.89	84.71	81.0	86.40

Pre vs. Post Inflow to Outlfall

Node	Mean Stage Inflow (ft)		25Yr-24 Hr Peak Stage Inflow (ft)	
	Pre	Post	Pre	Post
OUTFALL	5.99	5.57	10.33	10.16

Total Volume (af)

Node	PRE	POST
WET D	79.2	75.5
WET E	14.9	17.4
WET K	11.2	10.7
	105.3	103.6

TAB 4: PRE-DEVELOPMENT ICPR

INPUT

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================================================================================
==== Basins ====================================================================
================================================================================

        Name: A1                      Node: WET A                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

      Unit Hydrograph: Uh323                  Peaking Factor: 323.0
        Rainfall File: Flmod               Storm Duration(hrs): 30.00
  Rainfall Amount(in): 7.200                 Time of Conc(min): 32.00
            Area(ac): 1.350                    Time Shift(hrs): 0.00
        Curve Number: 30.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: A2                      Node: WET A                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

      Unit Hydrograph: Uh323                  Peaking Factor: 323.0
        Rainfall File: Flmod               Storm Duration(hrs): 30.00
  Rainfall Amount(in): 7.200                 Time of Conc(min): 65.00
            Area(ac): 10.720                   Time Shift(hrs): 0.00
        Curve Number: 30.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: B1                      Node: WET B                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

      Unit Hydrograph: Uh323                  Peaking Factor: 323.0
        Rainfall File: Flmod               Storm Duration(hrs): 30.00
  Rainfall Amount(in): 7.200                 Time of Conc(min): 33.00
            Area(ac): 2.900                    Time Shift(hrs): 0.00
        Curve Number: 30.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: B2                      Node: WET B                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

      Unit Hydrograph: Uh323                  Peaking Factor: 323.0
        Rainfall File: Flmod               Storm Duration(hrs): 30.00
  Rainfall Amount(in): 7.200                 Time of Conc(min): 51.00
            Area(ac): 7.250                    Time Shift(hrs): 0.00
        Curve Number: 30.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: B3                      Node: WET B                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

      Unit Hydrograph: Uh323                  Peaking Factor: 323.0
        Rainfall File: Flmod               Storm Duration(hrs): 30.00
  Rainfall Amount(in): 7.200                 Time of Conc(min): 54.00
            Area(ac): 2.700                    Time Shift(hrs): 0.00
        Curve Number: 30.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: B4                      Node: B4                    Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

      Unit Hydrograph: Uh323                  Peaking Factor: 323.0
        Rainfall File: Flmod               Storm Duration(hrs): 30.00
  Rainfall Amount(in): 7.200                 Time of Conc(min): 62.00
            Area(ac): 2.600                    Time Shift(hrs): 0.00
        Curve Number: 30.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: C1                      Node: WET C                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

      Unit Hydrograph: Uh323                  Peaking Factor: 323.0
```

Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 67.00
Area(ac): 7.090 Time Shift(hrs): 0.00
Curve Number: 30.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: C2 Node: WET C Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 57.00
Area(ac): 11.840 Time Shift(hrs): 0.00
Curve Number: 34.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: C3 Node: C3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 56.00
Area(ac): 11.260 Time Shift(hrs): 0.00
Curve Number: 35.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: D1 Node: WET D Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 77.00
Area(ac): 31.950 Time Shift(hrs): 0.00
Curve Number: 31.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: D2 Node: D2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 50.00
Area(ac): 2.210 Time Shift(hrs): 0.00
Curve Number: 34.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: D3 Node: D3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 58.00
Area(ac): 2.770 Time Shift(hrs): 0.00
Curve Number: 33.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: D4 Node: WET D Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 59.00
Area(ac): 2.900 Time Shift(hrs): 0.00
Curve Number: 32.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

```
        Name: D5                      Node: WET D                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 44.00
            Area(ac): 7.970                    Time Shift(hrs): 0.00
        Curve Number: 32.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: E1                      Node: WET E                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 69.00
            Area(ac): 21.740                   Time Shift(hrs): 0.00
        Curve Number: 32.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: F1                      Node: WET F                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 83.00
            Area(ac): 8.290                    Time Shift(hrs): 0.00
        Curve Number: 32.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: G1                      Node: WET G1                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 52.00
            Area(ac): 27.180                   Time Shift(hrs): 0.00
        Curve Number: 32.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: G2                      Node: WET G2                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 52.00
            Area(ac): 15.760                   Time Shift(hrs): 0.00
        Curve Number: 32.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: G3                      Node: WET G3                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 59.00
            Area(ac): 10.350                   Time Shift(hrs): 0.00
        Curve Number: 32.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: G4                      Node: WET G4                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 49.00
            Area(ac): 5.160                    Time Shift(hrs): 0.00
        Curve Number: 36.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

Name: G5 Node: WET G5 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 49.00
Area(ac): 11.610 Time Shift(hrs): 0.00
Curve Number: 34.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: H1 Node: DUMMY Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 59.00
Area(ac): 8.680 Time Shift(hrs): 0.00
Curve Number: 31.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: H2 Node: DUMMY Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 55.00
Area(ac): 6.260 Time Shift(hrs): 0.00
Curve Number: 32.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: J1 Node: WET J Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 45.00
Area(ac): 5.750 Time Shift(hrs): 0.00
Curve Number: 32.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: K1 Node: WET K Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 71.00
Area(ac): 2.710 Time Shift(hrs): 0.00
Curve Number: 32.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: K2 Node: WET K Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 32.00
Area(ac): 0.590 Time Shift(hrs): 0.00
Curve Number: 32.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: OFF A Node: WET A Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00

Rainfall Amount(in): 7.200 Time of Conc(min): 56.00
Area(ac): 24.840 Time Shift(hrs): 0.00
Curve Number: 37.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: OFF B Node: WET B Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 71.00
Area(ac): 14.950 Time Shift(hrs): 0.00
Curve Number: 30.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: OFF B2 Node: OFF B2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 55.00
Area(ac): 8.070 Time Shift(hrs): 0.00
Curve Number: 30.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: OFF B3 Node: OFF B3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 61.00
Area(ac): 21.250 Time Shift(hrs): 0.00
Curve Number: 40.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: OFF F Node: WET F Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 65.00
Area(ac): 4.500 Time Shift(hrs): 0.00
Curve Number: 30.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: OFF G1 Node: WET G1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 37.00
Area(ac): 1.080 Time Shift(hrs): 0.00
Curve Number: 30.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: OFF G2 Node: WET G2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 88.00
Area(ac): 66.910 Time Shift(hrs): 0.00
Curve Number: 57.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: OFF J1 Node: WET J Status: Onsite

Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 47.00
Area(ac): 4.110 Time Shift(hrs): 0.00
Curve Number: 30.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: OFF K Node: WET K Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 37.00
Area(ac): 19.370 Time Shift(hrs): 0.00
Curve Number: 54.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: SE OFF Node: WET Z Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 41.00
Area(ac): 68.420 Time Shift(hrs): 0.00
Curve Number: 32.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET A Node: WET A Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 124.00
Area(ac): 6.750 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET B Node: WET B Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 129.00
Area(ac): 16.060 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET C Node: WET C Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 122.00
Area(ac): 15.030 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET D Node: WET D Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 126.00
Area(ac): 68.660 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

```
------------------------------------------------------------------------------------------------
        Name: WET E                   Node: WET E                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 128.00
            Area(ac): 11.610                   Time Shift(hrs): 0.00
        Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


------------------------------------------------------------------------------------------------
        Name: WET F                   Node: WET F                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 115.00
            Area(ac): 3.870                    Time Shift(hrs): 0.00
        Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


------------------------------------------------------------------------------------------------
        Name: WET G1                  Node: WET G1                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 123.00
            Area(ac): 15.190                   Time Shift(hrs): 0.00
        Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


------------------------------------------------------------------------------------------------
        Name: WET G2                  Node: WET G2                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 122.00
            Area(ac): 11.730                   Time Shift(hrs): 0.00
        Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


------------------------------------------------------------------------------------------------
        Name: WET G3                  Node: WET G3                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 116.00
            Area(ac): 3.670                    Time Shift(hrs): 0.00
        Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


------------------------------------------------------------------------------------------------
        Name: WET G4                  Node: WET G4                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 58.00
            Area(ac): 0.020                    Time Shift(hrs): 0.00
        Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


------------------------------------------------------------------------------------------------
        Name: WET G5                  Node: WET G5                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                Time of Conc(min): 110.00
```

Area(ac): 1.970 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET J Node: WET J Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 110.00
Area(ac): 2.300 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET K Node: WET K Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 63.00
Area(ac): 2.440 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET Z Node: WET Z Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 146.00
Area(ac): 23.110 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET Z1 Node: WET Z1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 48.00
Area(ac): 2.070 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: Z1 Node: WET Z1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 62.00
Area(ac): 52.440 Time Shift(hrs): 0.00
Curve Number: 32.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

==========
==== Nodes ==========
==========

Name: B4 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.1600
82.000	0.1800
83.000	0.1900
84.000	0.4900

84.500	1.1200

Name: C3 Base Flow(cfs): 0.000 Init Stage(ft): 84.500
Group: BASE Warn Stage(ft): 86.000
Type: Stage/Area

Stage(ft)	Area(ac)
84.500	0.0300
85.000	0.3000
86.000	1.2600

Name: D2 Base Flow(cfs): 0.000 Init Stage(ft): 82.000
Group: BASE Warn Stage(ft): 86.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	0.1300
83.000	0.1400
84.000	0.1500
85.000	0.1600
86.000	0.2000

Name: D3 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.1100
82.000	0.1200
83.000	0.1300
84.000	0.2400
84.500	0.3000

Name: DUMMY Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
79.000	0.6700
82.000	0.6700
84.000	0.6700

Name: OFF B2 Base Flow(cfs): 0.000 Init Stage(ft): 84.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
84.000	0.0010
84.500	0.2300
85.000	0.4200

Name: OFF B3 Base Flow(cfs): 0.000 Init Stage(ft): 84.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
84.000	0.0010
84.500	2.2700
85.000	2.8600

Name: OUTFALL Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 82.000

Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	81.000
336.00	81.000

Name: WET A Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	7.7500
82.000	8.0100
83.000	8.2900
84.000	9.0400
84.500	9.7500

Name: WET B Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	14.4200
82.000	14.8200
83.000	15.1400
84.000	15.9700
84.500	16.4500

Name: WET C Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	12.9700
82.000	13.2600
83.000	13.6100
84.000	14.0100
84.500	14.6600

Name: WET D Base Flow(cfs): 0.000 Init Stage(ft): 83.600
Group: BASE Warn Stage(ft): 84.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	83.600
336.00	83.600

Name: WET E Base Flow(cfs): 0.000 Init Stage(ft): 83.600
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	9.5000
82.000	10.1500
83.000	10.8000
83.600	12.0300
84.000	16.0500

Name: WET F Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	2.0000
82.000	3.2000
83.000	3.3100
84.000	4.8600
84.050	4.9000

Name: WET G1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	12.1000
82.000	12.6600
83.000	14.6800
84.000	23.7700

Name: WET G2 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
79.500	0.0500
80.000	8.8900
81.000	17.7700
83.000	21.2400
84.000	34.3800

Name: WET G3 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	2.5300
82.000	2.7000
83.000	2.8800
84.000	3.7600
85.000	5.3900

Name: WET G4 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.1400
84.000	0.2300
85.000	1.0200

Name: WET G5 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	1.4800
83.000	1.5400
84.000	1.6300
85.000	3.0900

Name: WET J Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	1.6200
82.000	1.6800
83.000	1.8100
84.000	3.1800

Name: WET K Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	5.1000
82.000	5.9100
83.000	6.5200
84.000	11.2200

Name: WET Z Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	15.0900
85.000	21.2900

Name: WET Z1 Base Flow(cfs): 0.000 Init Stage(ft): 83.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.5300
85.000	0.7100

Pipes

Name: A-B From Node: WET A Length(ft): 36.00
Group: BASE To Node: WET B Count: 1
Friction Equation: Average Conveyance
Solution Algorithm: Automatic
Flow: Both
Entrance Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dn
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	24.00	24.00
Rise(in):	24.00	24.00
Invert(ft):	80.900	80.620
Manning's N:	0.025000	0.025000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: B-C From Node: WET B Length(ft): 36.00
Group: BASE To Node: WET C Count: 1
Friction Equation: Average Conveyance
Solution Algorithm: Automatic
Flow: Both
Entrance Loss Coef: 0.90
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dn
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	24.00	24.00
Rise(in):	24.00	24.00
Invert(ft):	80.710	80.460
Manning's N:	0.025000	0.025000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Upstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: C-Z		From Node: WET C	Length(ft):	60.00
Group: BASE		To Node: WET Z	Count:	1
			Friction Equation:	Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Automatic
Geometry:	Rectangular	Rectangular	Flow:	Both
Span(in):	48.00	48.00	Entrance Loss Coef:	0.50
Rise(in):	48.00	48.00	Exit Loss Coef:	1.00
Invert(ft):	77.830	77.350	Bend Loss Coef:	0.00
Manning's N:	0.017000	0.017000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
Bot Clip(in):	12.000	12.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Name: E-D		From Node: WET E	Length(ft):	20.00
Group: BASE		To Node: WET D	Count:	1
			Friction Equation:	Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Automatic
Geometry:	Circular	Circular	Flow:	Both
Span(in):	24.00	24.00	Entrance Loss Coef:	0.90
Rise(in):	24.00	24.00	Exit Loss Coef:	1.00
Invert(ft):	80.960	80.940	Bend Loss Coef:	0.00
Manning's N:	0.025000	0.025000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Name: G2 OUT		From Node: WET G2	Length(ft):	65.00
Group: BASE		To Node: OUTFALL	Count:	1
			Friction Equation:	Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Automatic
Geometry:	Circular	Circular	Flow:	Both
Span(in):	30.00	30.00	Entrance Loss Coef:	0.50
Rise(in):	30.00	30.00	Exit Loss Coef:	1.00
Invert(ft):	77.600	77.260	Bend Loss Coef:	0.00
Manning's N:	0.025000	0.025000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
Bot Clip(in):	12.000	12.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: P-K-D		From Node: WET K	Length(ft):	24.00
Group: BASE		To Node: WET D	Count:	1
			Friction Equation:	Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Automatic
Geometry:	Circular	Circular	Flow:	Both
Span(in):	24.00	24.00	Entrance Loss Coef:	0.90
Rise(in):	24.00	24.00	Exit Loss Coef:	1.00
Invert(ft):	81.450	81.250	Bend Loss Coef:	0.00
Manning's N:	0.025000	0.025000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn

Bot Clip(in): 0.000 0.000 Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Name: WET G1--62 From Node: WET G1 Length(ft): 25.00
Group: BASE To Node: WET G2 Count: 1
Friction Equation: Average Conveyance

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Automatic
Span(in):	24.00	24.00	Flow:	Both
Rise(in):	24.00	24.00	Entrance Loss Coef:	0.50
Invert(ft):	79.480	79.210	Exit Loss Coef:	1.00
Manning's N:	0.025000	0.025000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
			Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Name: WETZ-DUMMY From Node: WET Z Length(ft): 65.00
Group: BASE To Node: DUMMY Count: 1
Friction Equation: Average Conveyance

	UPSTREAM	DOWNSTREAM		
Geometry:	Rectangular	Rectangular	Solution Algorithm:	Automatic
Span(in):	72.00	72.00	Flow:	Both
Rise(in):	48.00	48.00	Entrance Loss Coef:	0.50
Invert(ft):	77.580	77.420	Exit Loss Coef:	1.00
Manning's N:	0.017000	0.017000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	12.000	12.000	Inlet Ctrl Spec:	Use dn
			Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

==========
==== Weirs ==========
==========

Name: A--B From Node: WET A
Group: BASE To Node: WET B
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Rectangular

Span(in): 4200.00
Rise(in): 9999.00
Invert(ft): 84.500
Control Elevation(ft): 84.500
TABLE
Bottom Clip(in): 0.000
Top Clip(in): 0.000
Weir Discharge Coef: 3.000
Orifice Discharge Coef: 0.600

Name: B--C From Node: WET B
Group: BASE To Node: WET C
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Rectangular

Span(in): 3600.00
Rise(in): 9999.00

```
                Invert(ft): 84.500
      Control Elevation(ft): 84.500
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
        Name: B4-WETB            From Node: B4
       Group: BASE                 To Node: WET B
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                Span(in): 432.00
                Rise(in): 9999.00
              Invert(ft): 84.500
      Control Elevation(ft): 84.500
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
        Name: C3-WETC            From Node: C3
       Group: BASE                 To Node: WET C
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Trapezoidal

           Bottom Width(ft): 10.00
      Left Side Slope(h/v): 50.00
     Right Side Slope(h/v): 50.00
              Invert(ft): 85.050
      Control Elevation(ft): 85.050
     Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
        Name: D2-D3              From Node: D2
       Group: BASE                 To Node: D3
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                Span(in): 540.00
                Rise(in): 9999.00
              Invert(ft): 85.500
      Control Elevation(ft): 85.500
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
        Name: D3-WET D           From Node: D3
       Group: BASE                 To Node: WET D
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                Span(in): 600.00
                Rise(in): 9999.00
              Invert(ft): 84.300
      Control Elevation(ft): 84.300
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
        Name: DUM-WET G1         From Node: DUMMY
       Group: BASE                 To Node: WET G1
```

```
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 6.00
          Left Side Slope(h/v): 35.00
         Right Side Slope(h/v): 35.00
                   Invert(ft): 80.900
        Control Elevation(ft): 80.900
      Struct Opening Dim(ft): 9999.00
                                          TABLE
              Bottom Clip(ft): 0.000
                 Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
         Name: E--D                From Node: WET E
        Group: BASE                  To Node: WET D
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1560.00
                    Rise(in): 9999.00
                  Invert(ft): 83.610
        Control Elevation(ft): 83.610
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
         Name: F-E                 From Node: WET F
        Group: BASE                  To Node: WET E
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 420.00
                    Rise(in): 9999.00
                  Invert(ft): 83.900
        Control Elevation(ft): 83.900
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
         Name: F-G1                From Node: WET F
        Group: BASE                  To Node: WET G1
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 900.00
                    Rise(in): 9999.00
                  Invert(ft): 84.050
        Control Elevation(ft): 84.050
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
         Name: G4-G3               From Node: WET G3
        Group: BASE                  To Node: WET G4
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 9999.00
                  Invert(ft): 85.010
        Control Elevation(ft): 85.010
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600
```

```
---------------------------------------------------------------------------------------------------
        Name: G5-WET E            From Node: WET G5
       Group: BASE                  To Node: WET E
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                  Span(in): 1380.00
                  Rise(in): 9999.00
              Invert(ft): 84.300
      Control Elevation(ft): 84.300
                                        TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
        Name: J-G1                From Node: WET J
       Group: BASE                  To Node: WET G1
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                  Span(in): 960.00
                  Rise(in): 999.00
              Invert(ft): 83.500
      Control Elevation(ft): 83.500
                                        TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
        Name: OB2-WETB            From Node: OFF B2
       Group: BASE                  To Node: WET B
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                  Span(in): 600.00
                  Rise(in): 9999.00
              Invert(ft): 84.500
      Control Elevation(ft): 84.500
                                        TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
        Name: OB3-OB2             From Node: OFF B3
       Group: BASE                  To Node: OFF B2
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                  Span(in): 3420.00
                  Rise(in): 9999.00
              Invert(ft): 84.500
      Control Elevation(ft): 84.500
                                        TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
        Name: W-K-D               From Node: WET K
       Group: BASE                  To Node: WET D
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                  Span(in): 5400.00
                  Rise(in): 9999.00
              Invert(ft): 83.610
      Control Elevation(ft): 83.610
                                        TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
```

```
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: WET G1-G2           From Node: WET G1
        Group: BASE                  To Node: WET G2
         Flow: Both                    Count: 1
         Type: Vertical: Fread     Geometry: Trapezoidal

            Bottom Width(ft): 20.00
       Left Side Slope(h/v): 50.00
      Right Side Slope(h/v): 50.00
                  Invert(ft): 82.400
      Control Elevation(ft): 82.400
     Struct Opening Dim(ft): 9999.00
                                       TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: WET G3-G1           From Node: WET G3
        Group: BASE                  To Node: WET G1
         Flow: Both                    Count: 1
         Type: Vertical: Fread     Geometry: Rectangular

                    Span(in): 900.00
                    Rise(in): 9999.00
                  Invert(ft): 83.500
      Control Elevation(ft): 83.500
                                       TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: WET G5-64           From Node: WET G5
        Group: BASE                  To Node: WET G4
         Flow: Both                    Count: 1
         Type: Vertical: Fread     Geometry: Rectangular

                    Span(in): 900.00
                    Rise(in): 9999.00
                  Invert(ft): 84.500
      Control Elevation(ft): 84.500
                                       TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: WETZ1-Z             From Node: WET Z1
        Group: BASE                  To Node: WET Z
         Flow: Both                    Count: 1
         Type: Vertical: Fread     Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 9999.00
                  Invert(ft): 85.500
      Control Elevation(ft): 85.500
                                       TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


===============================================================================================
==== Hydrology Simulations ====================================================================
===============================================================================================

         Name: 100Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\100Y24H.R32

      Override Defaults: Yes
```

```
    Storm Duration(hrs): 30.00
          Rainfall File: Flmod
    Rainfall Amount(in): 10.40

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

------------------------------------------------------------------------------------------------------
         Name: 10Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\10Y24H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 30.00
          Rainfall File: Flmod
    Rainfall Amount(in): 7.20

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

------------------------------------------------------------------------------------------------------
         Name: 25Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\25Y24H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 30.00
          Rainfall File: Flmod
    Rainfall Amount(in): 8.40

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

------------------------------------------------------------------------------------------------------
         Name: 25Y96H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\25Y96H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 100.00
          Rainfall File: Sjrwmd96
    Rainfall Amount(in): 11.70

Time(hrs)       Print Inc(min)
--------------- ---------------
100.000         5.00

------------------------------------------------------------------------------------------------------
         Name: MA
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\MA.R32

      Override Defaults: Yes
    Storm Duration(hrs): 30.00
          Rainfall File: Flmod
    Rainfall Amount(in): 4.50

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

==========================================================================================
==== Routing Simulations ================================================================
==========================================================================================

         Name: 100Y24H            Hydrology Sim: 100Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\100Y24H.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 30.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes
```

```
--------------------------------------------------------------------------------------------------------
         Name: 10Y24H              Hydrology Sim: 10Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\10Y24H.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 30.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


--------------------------------------------------------------------------------------------------------
         Name: 25Y24H              Hydrology Sim: 25Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\25Y24H.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 30.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


--------------------------------------------------------------------------------------------------------
         Name: 25Y96H              Hydrology Sim: 25Y96H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\25Y96H.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 100.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


--------------------------------------------------------------------------------------------------------
         Name: MA                  Hydrology Sim: MA
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\PRE\MA.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 30.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:
```

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

RESULTS

```
            Basin Name: A1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.27
   Comp Time Inc (min): 4.27
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 32.00
      Time Shift (hrs): 0.00
             Area (ac): 1.350
  Vol of Unit Hyd (in): 1.001
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.50
       Flow Max (cfs): 0.37
    Runoff Volume (in): 1.130
   Runoff Volume (ft3): 5535


--------------------------------------------------------------------------------

            Basin Name: A2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
             Area (ac): 10.720
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 2.01
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 44015


--------------------------------------------------------------------------------

            Basin Name: B1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.40
   Comp Time Inc (min): 4.40
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 33.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.55
       Flow Max (cfs): 0.78
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 11908


--------------------------------------------------------------------------------
```

```
            Basin Name: B2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 51.00
      Time Shift (hrs): 0.00
              Area (ac): 7.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 1.55
    Runoff Volume (in): 1.130
   Runoff Volume (ft3): 29732


--------------------------------------------------------------------------------

            Basin Name: B3
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 54.00
      Time Shift (hrs): 0.00
              Area (ac): 2.700
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 0.56
    Runoff Volume (in): 1.130
   Runoff Volume (ft3): 11078


--------------------------------------------------------------------------------

            Basin Name: B4
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: B4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 62.00
      Time Shift (hrs): 0.00
              Area (ac): 2.600
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.50
    Runoff Volume (in): 1.130
   Runoff Volume (ft3): 10668


--------------------------------------------------------------------------------
```

```
            Basin Name: C1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 67.00
      Time Shift (hrs): 0.00
             Area (ac): 7.090
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 1.30
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 29108


--------------------------------------------------------------------------------

            Basin Name: C2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.60
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 57.00
      Time Shift (hrs): 0.00
             Area (ac): 11.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 4.25
    Runoff Volume (in): 1.638
   Runoff Volume (ft3): 70418


--------------------------------------------------------------------------------

            Basin Name: C3
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 11.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 35.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 4.58
    Runoff Volume (in): 1.770
   Runoff Volume (ft3): 72349


--------------------------------------------------------------------------------
```

```
            Basin Name: D1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 10.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 77.00
      Time Shift (hrs): 0.00
             Area (ac): 31.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 6.37
    Runoff Volume (in): 1.254
   Runoff Volume (ft3): 145410


--------------------------------------------------------------------------------

            Basin Name: D2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: D2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 50.00
      Time Shift (hrs): 0.00
             Area (ac): 2.210
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 15.67
       Flow Max (cfs): 0.86
    Runoff Volume (in): 1.638
   Runoff Volume (ft3): 13137


--------------------------------------------------------------------------------

            Basin Name: D3
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: D3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 58.00
      Time Shift (hrs): 0.00
             Area (ac): 2.770
  Vol of Unit Hyd (in): 1.000
          Curve Number: 33.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 0.87
    Runoff Volume (in): 1.508
   Runoff Volume (ft3): 15163


--------------------------------------------------------------------------------
```

```
            Basin Name: D4
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 0.78
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 14519


--------------------------------------------------------------------------------

            Basin Name: D5
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 44.00
      Time Shift (hrs): 0.00
             Area (ac): 7.970
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.67
       Flow Max (cfs): 2.55
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 39892


--------------------------------------------------------------------------------

            Basin Name: E1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 69.00
      Time Shift (hrs): 0.00
             Area (ac): 21.740
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 5.37
    Runoff Volume (in): 1.380
   Runoff Volume (ft3): 108897


--------------------------------------------------------------------------------
```

```
            Basin Name: F1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 83.00
      Time Shift (hrs): 0.00
             Area (ac): 8.290
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 1.83
    Runoff Volume (in): 1.380
   Runoff Volume (ft3): 41541


--------------------------------------------------------------------------------

            Basin Name: G1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 27.180
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 7.92
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 136098


--------------------------------------------------------------------------------

            Basin Name: G2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 15.760
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 4.59
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 78915


--------------------------------------------------------------------------------
```

```
            Basin Name: G3
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 10.350
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 2.80
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 51819


--------------------------------------------------------------------------------

            Basin Name: G4
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 49.00
      Time Shift (hrs): 0.00
             Area (ac): 5.160
  Vol of Unit Hyd (in): 1.000
          Curve Number: 36.000
              DCIA (%): 0.000

       Time Max (hrs): 15.67
       Flow Max (cfs): 2.51
    Runoff Volume (in): 1.901
   Runoff Volume (ft3): 35616


--------------------------------------------------------------------------------

            Basin Name: G5
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 49.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 15.67
       Flow Max (cfs): 4.55
    Runoff Volume (in): 1.637
   Runoff Volume (ft3): 69002


--------------------------------------------------------------------------------
```

```
            Basin Name: H1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 8.680
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 2.02
    Runoff Volume (in): 1.253
   Runoff Volume (ft3): 39493


--------------------------------------------------------------------------------

            Basin Name: H2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 6.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 1.76
    Runoff Volume (in): 1.381
   Runoff Volume (ft3): 31370


--------------------------------------------------------------------------------

            Basin Name: J1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.00
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 45.00
      Time Shift (hrs): 0.00
             Area (ac): 5.750
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.67
       Flow Max (cfs): 1.82
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 28787


--------------------------------------------------------------------------------
```

```
            Basin Name: K1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
              Area (ac): 2.710
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.66
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 13566


--------------------------------------------------------------------------------

            Basin Name: K2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.27
   Comp Time Inc (min): 4.27
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 32.00
      Time Shift (hrs): 0.00
              Area (ac): 0.590
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.50
       Flow Max (cfs): 0.22
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 2953


--------------------------------------------------------------------------------

            Basin Name: OFF A
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
              Area (ac): 24.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 37.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 12.35
    Runoff Volume (in): 2.037
   Runoff Volume (ft3): 183678


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 14.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 2.65
    Runoff Volume (in): 1.130
   Runoff Volume (ft3): 61313


--------------------------------------------------------------------------------

            Basin Name: OFF B2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 1.66
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 33131


--------------------------------------------------------------------------------

            Basin Name: OFF B3
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.13
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 61.00
      Time Shift (hrs): 0.00
             Area (ac): 21.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 40.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 12.93
    Runoff Volume (in): 2.443
   Runoff Volume (ft3): 188409


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF F
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
             Area (ac): 4.500
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.84
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 18476


--------------------------------------------------------------------------------

            Basin Name: OFF G1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 1.080
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.62
       Flow Max (cfs): 0.27
    Runoff Volume (in): 1.129
   Runoff Volume (ft3): 4427


--------------------------------------------------------------------------------

            Basin Name: OFF G2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 88.00
      Time Shift (hrs): 0.00
             Area (ac): 66.910
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 74.77
    Runoff Volume (in): 4.809
   Runoff Volume (ft3): 1167931


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF J1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 47.00
      Time Shift (hrs): 0.00
             Area (ac): 4.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 0.92
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 16879


--------------------------------------------------------------------------------

            Basin Name: OFF K
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 19.370
  Vol of Unit Hyd (in): 1.000
          Curve Number: 54.000
              DCIA (%): 0.000

       Time Max (hrs): 15.38
       Flow Max (cfs): 32.44
    Runoff Volume (in): 4.390
   Runoff Volume (ft3): 308705


--------------------------------------------------------------------------------

            Basin Name: SE OFF
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 41.00
      Time Shift (hrs): 0.00
             Area (ac): 68.420
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 22.67
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 342549


--------------------------------------------------------------------------------
```

```
            Basin Name: WET A
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 124.00
      Time Shift (hrs): 0.00
            Area (ac): 6.750
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 11.88
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 248884


--------------------------------------------------------------------------------

            Basin Name: WET B
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 129.00
      Time Shift (hrs): 0.00
            Area (ac): 16.060
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 27.53
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 592158


--------------------------------------------------------------------------------

            Basin Name: WET C
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
            Area (ac): 15.030
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 26.75
    Runoff Volume (in): 10.159
   Runoff Volume (ft3): 554268


--------------------------------------------------------------------------------
```

```
            Basin Name: WET D
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 126.00
      Time Shift (hrs): 0.00
             Area (ac): 68.660
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 119.46
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 2531432


--------------------------------------------------------------------------------

            Basin Name: WET E
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 128.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 20.00
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 428075


--------------------------------------------------------------------------------

            Basin Name: WET F
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
             Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 7.16
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 142693


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
             Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 26.89
    Runoff Volume (in): 10.158
   Runoff Volume (ft3): 560125


--------------------------------------------------------------------------------

            Basin Name: WET G2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
             Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 20.88
    Runoff Volume (in): 10.159
   Runoff Volume (ft3): 432573


--------------------------------------------------------------------------------

            Basin Name: WET G3
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
             Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 6.75
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 135317


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G4
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 58.00
      Time Shift (hrs): 0.00
             Area (ac): 0.020
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.50
       Flow Max (cfs): 0.06
    Runoff Volume (in): 10.156
   Runoff Volume (ft3): 737


--------------------------------------------------------------------------------

            Basin Name: WET G5
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
             Area (ac): 1.970
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 3.75
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 72636


--------------------------------------------------------------------------------

            Basin Name: WET J
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
             Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 4.38
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 84804


--------------------------------------------------------------------------------
```

```
            Basin Name: WET K
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
             Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 6.56
    Runoff Volume (in): 10.155
   Runoff Volume (ft3): 89949


--------------------------------------------------------------------------------

            Basin Name: WET Z
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
             Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 36.39
    Runoff Volume (in): 10.156
   Runoff Volume (ft3): 851998


--------------------------------------------------------------------------------

            Basin Name: WET Z1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 48.00
      Time Shift (hrs): 0.00
             Area (ac): 2.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.42
       Flow Max (cfs): 6.46
    Runoff Volume (in): 10.158
   Runoff Volume (ft3): 76328


--------------------------------------------------------------------------------
```

```
            Basin Name: Z1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 62.00
      Time Shift (hrs): 0.00
             Area (ac): 52.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 13.79
    Runoff Volume (in): 1.380
   Runoff Volume (ft3): 262623


--------------------------------------------------------------------------------

            Basin Name: A1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.27
   Comp Time Inc (min): 4.27
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 32.00
      Time Shift (hrs): 0.00
             Area (ac): 1.350
  Vol of Unit Hyd (in): 1.001
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 17.07
       Flow Max (cfs): 0.03
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 1213


--------------------------------------------------------------------------------

            Basin Name: A2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
             Area (ac): 10.720
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.58
       Flow Max (cfs): 0.22
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 9657


--------------------------------------------------------------------------------
```

```
            Basin Name: B1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.40
   Comp Time Inc (min): 4.40
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 33.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 17.09
       Flow Max (cfs): 0.07
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 2612


--------------------------------------------------------------------------------

            Basin Name: B2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 51.00
      Time Shift (hrs): 0.00
             Area (ac): 7.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.25
       Flow Max (cfs): 0.16
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 6523


--------------------------------------------------------------------------------

            Basin Name: B3
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 54.00
      Time Shift (hrs): 0.00
             Area (ac): 2.700
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.33
       Flow Max (cfs): 0.06
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 2430


--------------------------------------------------------------------------------
```

```
            Basin Name: B4
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: B4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 62.00
      Time Shift (hrs): 0.00
             Area (ac): 2.600
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.50
       Flow Max (cfs): 0.05
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 2340


--------------------------------------------------------------------------------

            Basin Name: C1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 67.00
      Time Shift (hrs): 0.00
             Area (ac): 7.090
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.58
       Flow Max (cfs): 0.15
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 6386


--------------------------------------------------------------------------------

            Basin Name: C2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.60
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 57.00
      Time Shift (hrs): 0.00
             Area (ac): 11.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 0.72
    Runoff Volume (in): 0.484
   Runoff Volume (ft3): 20815


--------------------------------------------------------------------------------
```

```
            Basin Name: C3
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
            Area (ac): 11.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 35.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.87
    Runoff Volume (in): 0.551
   Runoff Volume (ft3): 22519


--------------------------------------------------------------------------------

            Basin Name: D1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 10.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 77.00
      Time Shift (hrs): 0.00
            Area (ac): 31.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 18.33
       Flow Max (cfs): 0.82
    Runoff Volume (in): 0.302
   Runoff Volume (ft3): 35015


--------------------------------------------------------------------------------

            Basin Name: D2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: D2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 50.00
      Time Shift (hrs): 0.00
            Area (ac): 2.210
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.14
    Runoff Volume (in): 0.484
   Runoff Volume (ft3): 3883


--------------------------------------------------------------------------------
```

```
            Basin Name: D3
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: D3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 58.00
      Time Shift (hrs): 0.00
            Area (ac): 2.770
  Vol of Unit Hyd (in): 1.000
          Curve Number: 33.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 0.13
    Runoff Volume (in): 0.420
   Runoff Volume (ft3): 4226


--------------------------------------------------------------------------------

            Basin Name: D4
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
            Area (ac): 2.900
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 17.17
       Flow Max (cfs): 0.10
    Runoff Volume (in): 0.359
   Runoff Volume (ft3): 3782


--------------------------------------------------------------------------------

            Basin Name: D5
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 44.00
      Time Shift (hrs): 0.00
            Area (ac): 7.970
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 0.31
    Runoff Volume (in): 0.359
   Runoff Volume (ft3): 10392


--------------------------------------------------------------------------------
```

```
            Basin Name: E1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 69.00
      Time Shift (hrs): 0.00
             Area (ac): 21.740
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 17.42
       Flow Max (cfs): 0.74
    Runoff Volume (in): 0.359
   Runoff Volume (ft3): 28369


--------------------------------------------------------------------------------

            Basin Name: F1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 83.00
      Time Shift (hrs): 0.00
             Area (ac): 8.290
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 17.92
       Flow Max (cfs): 0.27
    Runoff Volume (in): 0.360
   Runoff Volume (ft3): 10822


--------------------------------------------------------------------------------

            Basin Name: G1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 27.180
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 0.99
    Runoff Volume (in): 0.359
   Runoff Volume (ft3): 35455


--------------------------------------------------------------------------------
```

```
            Basin Name: G2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
            Area (ac): 15.760
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 0.58
    Runoff Volume (in): 0.359
   Runoff Volume (ft3): 20558


--------------------------------------------------------------------------------

            Basin Name: G3
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
            Area (ac): 10.350
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 17.17
       Flow Max (cfs): 0.37
    Runoff Volume (in): 0.359
   Runoff Volume (ft3): 13500


--------------------------------------------------------------------------------

            Basin Name: G4
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 49.00
      Time Shift (hrs): 0.00
            Area (ac): 5.160
  Vol of Unit Hyd (in): 1.000
          Curve Number: 36.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 0.53
    Runoff Volume (in): 0.620
   Runoff Volume (ft3): 11606


--------------------------------------------------------------------------------
```

```
            Basin Name: G5
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 49.00
      Time Shift (hrs): 0.00
            Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.76
    Runoff Volume (in): 0.484
   Runoff Volume (ft3): 20396


--------------------------------------------------------------------------------

            Basin Name: H1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
            Area (ac): 8.680
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 17.50
       Flow Max (cfs): 0.24
    Runoff Volume (in): 0.302
   Runoff Volume (ft3): 9510


--------------------------------------------------------------------------------

            Basin Name: H2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
            Area (ac): 6.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 17.08
       Flow Max (cfs): 0.23
    Runoff Volume (in): 0.360
   Runoff Volume (ft3): 8172


--------------------------------------------------------------------------------
```

```
            Basin Name: J1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 6.00
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 7.200
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 45.00
       Time Shift (hrs): 0.00
              Area (ac): 5.750
   Vol of Unit Hyd (in): 1.000
           Curve Number: 32.000
               DCIA (%): 0.000

         Time Max (hrs): 16.25
         Flow Max (cfs): 0.22
    Runoff Volume (in): 0.359
    Runoff Volume (ft3): 7499


--------------------------------------------------------------------------------

            Basin Name: K1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 9.47
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 7.200
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 71.00
       Time Shift (hrs): 0.00
              Area (ac): 2.710
   Vol of Unit Hyd (in): 1.000
           Curve Number: 32.000
               DCIA (%): 0.000

         Time Max (hrs): 17.50
         Flow Max (cfs): 0.09
    Runoff Volume (in): 0.359
    Runoff Volume (ft3): 3534


--------------------------------------------------------------------------------

            Basin Name: K2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 4.27
    Comp Time Inc (min): 4.27
          Rainfall File: Flmod
   Rainfall Amount (in): 7.200
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 32.00
       Time Shift (hrs): 0.00
              Area (ac): 0.590
   Vol of Unit Hyd (in): 1.000
           Curve Number: 32.000
               DCIA (%): 0.000

         Time Max (hrs): 15.86
         Flow Max (cfs): 0.03
    Runoff Volume (in): 0.359
    Runoff Volume (ft3): 769


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF A
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 24.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 37.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 2.86
    Runoff Volume (in): 0.692
   Runoff Volume (ft3): 62366


--------------------------------------------------------------------------------

            Basin Name: OFF B
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 14.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.67
       Flow Max (cfs): 0.30
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 13452


--------------------------------------------------------------------------------

            Basin Name: OFF B2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.33
       Flow Max (cfs): 0.17
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 7269


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B3
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.13
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 61.00
      Time Shift (hrs): 0.00
            Area (ac): 21.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 40.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 3.67
    Runoff Volume (in): 0.918
   Runoff Volume (ft3): 70808


--------------------------------------------------------------------------------

            Basin Name: OFF F
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
            Area (ac): 4.500
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.58
       Flow Max (cfs): 0.09
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 4054


--------------------------------------------------------------------------------

            Basin Name: OFF G1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
            Area (ac): 1.080
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 17.18
       Flow Max (cfs): 0.02
    Runoff Volume (in): 0.247
   Runoff Volume (ft3): 970


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF G2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 88.00
      Time Shift (hrs): 0.00
            Area (ac): 66.910
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 35.89
    Runoff Volume (in): 2.447
   Runoff Volume (ft3): 594225


--------------------------------------------------------------------------------

            Basin Name: OFF J1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 47.00
      Time Shift (hrs): 0.00
            Area (ac): 4.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 17.83
       Flow Max (cfs): 0.09
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 3703


--------------------------------------------------------------------------------

            Basin Name: OFF K
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
            Area (ac): 19.370
  Vol of Unit Hyd (in): 1.000
          Curve Number: 54.000
              DCIA (%): 0.000

       Time Max (hrs): 15.38
       Flow Max (cfs): 14.86
    Runoff Volume (in): 2.154
   Runoff Volume (ft3): 151444


--------------------------------------------------------------------------------
```

```
            Basin Name: SE OFF
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 5.47
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 7.200
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 41.00
       Time Shift (hrs): 0.00
              Area (ac): 68.420
   Vol of Unit Hyd (in): 1.000
           Curve Number: 32.000
               DCIA (%): 0.000

         Time Max (hrs): 16.17
         Flow Max (cfs): 2.72
     Runoff Volume (in): 0.359
    Runoff Volume (ft3): 89238


--------------------------------------------------------------------------------

            Basin Name: WET A
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 16.53
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 7.200
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 124.00
       Time Shift (hrs): 0.00
              Area (ac): 6.750
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.25
         Flow Max (cfs): 8.20
     Runoff Volume (in): 6.960
    Runoff Volume (ft3): 170530


--------------------------------------------------------------------------------

            Basin Name: WET B
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 17.20
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 7.200
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 129.00
       Time Shift (hrs): 0.00
              Area (ac): 16.060
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.33
         Flow Max (cfs): 19.01
     Runoff Volume (in): 6.960
    Runoff Volume (ft3): 405734


--------------------------------------------------------------------------------
```

```
            Basin Name: WET C
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
             Area (ac): 15.030
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 18.48
    Runoff Volume (in): 6.961
   Runoff Volume (ft3): 379773


--------------------------------------------------------------------------------

            Basin Name: WET D
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 126.00
      Time Shift (hrs): 0.00
             Area (ac): 68.660
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 82.50
    Runoff Volume (in): 6.959
   Runoff Volume (ft3): 1734482


--------------------------------------------------------------------------------

            Basin Name: WET E
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 128.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 13.81
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 293308


--------------------------------------------------------------------------------
```

```
            Basin Name: WET F
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
            Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 4.95
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 97770


--------------------------------------------------------------------------------

            Basin Name: WET G1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
            Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 18.57
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 383786


--------------------------------------------------------------------------------

            Basin Name: WET G2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
            Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 14.42
    Runoff Volume (in): 6.961
   Runoff Volume (ft3): 296389


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G3
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
            Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 4.66
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 92717


--------------------------------------------------------------------------------

            Basin Name: WET G4
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 58.00
      Time Shift (hrs): 0.00
            Area (ac): 0.020
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.50
       Flow Max (cfs): 0.04
    Runoff Volume (in): 6.959
   Runoff Volume (ft3): 505


--------------------------------------------------------------------------------

            Basin Name: WET G5
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
            Area (ac): 1.970
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 2.59
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 49769


--------------------------------------------------------------------------------
```

```
            Basin Name: WET J
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
            Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 3.03
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 58106


--------------------------------------------------------------------------------

            Basin Name: WET K
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
            Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 4.53
    Runoff Volume (in): 6.958
   Runoff Volume (ft3): 61631


--------------------------------------------------------------------------------

            Basin Name: WET Z
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
            Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 25.13
    Runoff Volume (in): 6.959
   Runoff Volume (ft3): 583770


--------------------------------------------------------------------------------
```

```
            Basin Name: WET Z1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 6.40
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 7.200
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 48.00
     Time Shift (hrs): 0.00
           Area (ac): 2.070
 Vol of Unit Hyd (in): 1.000
        Curve Number: 98.000
            DCIA (%): 0.000

      Time Max (hrs): 15.42
      Flow Max (cfs): 4.46
   Runoff Volume (in): 6.960
  Runoff Volume (ft3): 52298


--------------------------------------------------------------------------------

            Basin Name: Z1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 8.27
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 7.200
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 62.00
     Time Shift (hrs): 0.00
           Area (ac): 52.440
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 17.25
      Flow Max (cfs): 1.83
   Runoff Volume (in): 0.359
  Runoff Volume (ft3): 68417


--------------------------------------------------------------------------------

            Basin Name: A1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 4.27
  Comp Time Inc (min): 4.27
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 32.00
     Time Shift (hrs): 0.00
           Area (ac): 1.350
 Vol of Unit Hyd (in): 1.001
        Curve Number: 30.000
            DCIA (%): 0.000

      Time Max (hrs): 15.79
      Flow Max (cfs): 0.10
   Runoff Volume (in): 0.514
  Runoff Volume (ft3): 2519


--------------------------------------------------------------------------------
```

```
            Basin Name: A2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
              Area (ac): 10.720
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.42
       Flow Max (cfs): 0.61
    Runoff Volume (in): 0.515
   Runoff Volume (ft3): 20042


--------------------------------------------------------------------------------

            Basin Name: B1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.40
   Comp Time Inc (min): 4.40
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 33.00
      Time Shift (hrs): 0.00
              Area (ac): 2.900
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.84
       Flow Max (cfs): 0.22
    Runoff Volume (in): 0.515
   Runoff Volume (ft3): 5422


--------------------------------------------------------------------------------

            Basin Name: B2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 51.00
      Time Shift (hrs): 0.00
              Area (ac): 7.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 0.46
    Runoff Volume (in): 0.514
   Runoff Volume (ft3): 13538


--------------------------------------------------------------------------------
```

```
            Basin Name: B3
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 7.20
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 54.00
       Time Shift (hrs): 0.00
              Area (ac): 2.700
   Vol of Unit Hyd (in): 1.000
           Curve Number: 30.000
               DCIA (%): 0.000

         Time Max (hrs): 16.17
         Flow Max (cfs): 0.17
     Runoff Volume (in): 0.515
    Runoff Volume (ft3): 5044


--------------------------------------------------------------------------------

            Basin Name: B4
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: B4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 8.27
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 62.00
       Time Shift (hrs): 0.00
              Area (ac): 2.600
   Vol of Unit Hyd (in): 1.000
           Curve Number: 30.000
               DCIA (%): 0.000

         Time Max (hrs): 16.33
         Flow Max (cfs): 0.15
     Runoff Volume (in): 0.515
    Runoff Volume (ft3): 4857


--------------------------------------------------------------------------------

            Basin Name: C1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 8.93
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 67.00
       Time Shift (hrs): 0.00
              Area (ac): 7.090
   Vol of Unit Hyd (in): 1.000
           Curve Number: 30.000
               DCIA (%): 0.000

         Time Max (hrs): 16.42
         Flow Max (cfs): 0.40
     Runoff Volume (in): 0.515
    Runoff Volume (ft3): 13254


--------------------------------------------------------------------------------
```

```
            Basin Name: C2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.60
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 57.00
      Time Shift (hrs): 0.00
              Area (ac): 11.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 1.72
    Runoff Volume (in): 0.853
   Runoff Volume (ft3): 36660


--------------------------------------------------------------------------------

            Basin Name: C3
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
              Area (ac): 11.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 35.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 1.95
    Runoff Volume (in): 0.944
   Runoff Volume (ft3): 38594


--------------------------------------------------------------------------------

            Basin Name: D1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 10.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 77.00
      Time Shift (hrs): 0.00
              Area (ac): 31.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 2.15
    Runoff Volume (in): 0.595
   Runoff Volume (ft3): 68957


--------------------------------------------------------------------------------
```

```
            Basin Name: D2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: D2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 50.00
      Time Shift (hrs): 0.00
             Area (ac): 2.210
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 0.35
    Runoff Volume (in): 0.852
   Runoff Volume (ft3): 6839


--------------------------------------------------------------------------------

            Basin Name: D3
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: D3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 58.00
      Time Shift (hrs): 0.00
             Area (ac): 2.770
  Vol of Unit Hyd (in): 1.000
          Curve Number: 33.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.33
    Runoff Volume (in): 0.764
   Runoff Volume (ft3): 7681


--------------------------------------------------------------------------------

            Basin Name: D4
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 0.28
    Runoff Volume (in): 0.677
   Runoff Volume (ft3): 7132


--------------------------------------------------------------------------------
```

```
            Basin Name: D5
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 44.00
      Time Shift (hrs): 0.00
              Area (ac): 7.970
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 0.90
    Runoff Volume (in): 0.677
   Runoff Volume (ft3): 19595


--------------------------------------------------------------------------------

            Basin Name: E1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 69.00
      Time Shift (hrs): 0.00
              Area (ac): 21.740
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 1.94
    Runoff Volume (in): 0.678
   Runoff Volume (ft3): 53491


--------------------------------------------------------------------------------

            Basin Name: F1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 83.00
      Time Shift (hrs): 0.00
              Area (ac): 8.290
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 0.67
    Runoff Volume (in): 0.678
   Runoff Volume (ft3): 20405


--------------------------------------------------------------------------------
```

```
            Basin Name: G1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 27.180
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 2.81
    Runoff Volume (in): 0.678
   Runoff Volume (ft3): 66852


--------------------------------------------------------------------------------

            Basin Name: G2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 15.760
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 1.63
    Runoff Volume (in): 0.678
   Runoff Volume (ft3): 38763


--------------------------------------------------------------------------------

            Basin Name: G3
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 10.350
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 1.00
    Runoff Volume (in): 0.677
   Runoff Volume (ft3): 25454


--------------------------------------------------------------------------------
```

```
            Basin Name: G4
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 49.00
      Time Shift (hrs): 0.00
             Area (ac): 5.160
  Vol of Unit Hyd (in): 1.000
          Curve Number: 36.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 1.12
    Runoff Volume (in): 1.037
   Runoff Volume (ft3): 19420


--------------------------------------------------------------------------------

            Basin Name: G5
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 49.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 1.83
    Runoff Volume (in): 0.852
   Runoff Volume (ft3): 35922


--------------------------------------------------------------------------------

            Basin Name: H1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 8.680
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 0.67
    Runoff Volume (in): 0.594
   Runoff Volume (ft3): 18728


--------------------------------------------------------------------------------
```

```
            Basin Name: H2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 6.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.63
    Runoff Volume (in): 0.678
   Runoff Volume (ft3): 15409


--------------------------------------------------------------------------------

            Basin Name: J1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.00
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 45.00
      Time Shift (hrs): 0.00
             Area (ac): 5.750
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 0.64
    Runoff Volume (in): 0.677
   Runoff Volume (ft3): 14140


--------------------------------------------------------------------------------

            Basin Name: K1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 2.710
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 0.24
    Runoff Volume (in): 0.677
   Runoff Volume (ft3): 6664


--------------------------------------------------------------------------------
```

```
            Basin Name: K2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.27
   Comp Time Inc (min): 4.27
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 32.00
      Time Shift (hrs): 0.00
             Area (ac): 0.590
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.64
       Flow Max (cfs): 0.08
    Runoff Volume (in): 0.677
   Runoff Volume (ft3): 1450


--------------------------------------------------------------------------------

            Basin Name: OFF A
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 24.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 37.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 5.74
    Runoff Volume (in): 1.133
   Runoff Volume (ft3): 102161


--------------------------------------------------------------------------------

            Basin Name: OFF B
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 14.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 0.81
    Runoff Volume (in): 0.514
   Runoff Volume (ft3): 27918


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 0.49
    Runoff Volume (in): 0.515
   Runoff Volume (ft3): 15086


--------------------------------------------------------------------------------

            Basin Name: OFF B3
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.13
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 61.00
      Time Shift (hrs): 0.00
             Area (ac): 21.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 40.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 6.62
    Runoff Volume (in): 1.428
   Runoff Volume (ft3): 110165


--------------------------------------------------------------------------------

            Basin Name: OFF F
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
             Area (ac): 4.500
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.42
       Flow Max (cfs): 0.26
    Runoff Volume (in): 0.515
   Runoff Volume (ft3): 8413


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF G1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 1.080
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.87
       Flow Max (cfs): 0.08
    Runoff Volume (in): 0.514
   Runoff Volume (ft3): 2015


--------------------------------------------------------------------------------

            Basin Name: OFF G2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 88.00
      Time Shift (hrs): 0.00
             Area (ac): 66.910
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 49.77
    Runoff Volume (in): 3.289
   Runoff Volume (ft3): 798802


--------------------------------------------------------------------------------

            Basin Name: OFF J1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 47.00
      Time Shift (hrs): 0.00
             Area (ac): 4.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.27
    Runoff Volume (in): 0.515
   Runoff Volume (ft3): 7686


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF K
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
              Area (ac): 19.370
  Vol of Unit Hyd (in): 1.000
          Curve Number: 54.000
              DCIA (%): 0.000

       Time Max (hrs): 15.38
       Flow Max (cfs): 21.11
    Runoff Volume (in): 2.945
   Runoff Volume (ft3): 207080


--------------------------------------------------------------------------------

            Basin Name: SE OFF
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 41.00
      Time Shift (hrs): 0.00
              Area (ac): 68.420
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 7.95
    Runoff Volume (in): 0.677
   Runoff Volume (ft3): 168262


--------------------------------------------------------------------------------

            Basin Name: WET A
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 124.00
      Time Shift (hrs): 0.00
              Area (ac): 6.750
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 9.58
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 199909


--------------------------------------------------------------------------------
```

```
            Basin Name: WET B
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 129.00
      Time Shift (hrs): 0.00
            Area (ac): 16.060
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 22.21
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 475634


--------------------------------------------------------------------------------

            Basin Name: WET C
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
            Area (ac): 15.030
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 21.58
    Runoff Volume (in): 8.160
   Runoff Volume (ft3): 445200


--------------------------------------------------------------------------------

            Basin Name: WET D
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 126.00
      Time Shift (hrs): 0.00
            Area (ac): 68.660
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 96.37
    Runoff Volume (in): 8.158
   Runoff Volume (ft3): 2033301


--------------------------------------------------------------------------------
```

```
            Basin Name: WET E
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 128.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 16.13
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 343839


--------------------------------------------------------------------------------

            Basin Name: WET F
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
             Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 5.78
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 114614


--------------------------------------------------------------------------------

            Basin Name: WET G1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
             Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 21.69
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 449905


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
            Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 16.84
    Runoff Volume (in): 8.160
   Runoff Volume (ft3): 347452


--------------------------------------------------------------------------------

            Basin Name: WET G3
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
            Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 5.45
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 108690


--------------------------------------------------------------------------------

            Basin Name: WET G4
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 58.00
      Time Shift (hrs): 0.00
            Area (ac): 0.020
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.50
       Flow Max (cfs): 0.05
    Runoff Volume (in): 8.158
   Runoff Volume (ft3): 592


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G5
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
             Area (ac): 1.970
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 3.03
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 58343


--------------------------------------------------------------------------------

            Basin Name: WET J
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
             Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 3.53
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 68116


--------------------------------------------------------------------------------

            Basin Name: WET K
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
             Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 5.29
    Runoff Volume (in): 8.157
   Runoff Volume (ft3): 72249


--------------------------------------------------------------------------------
```

```
            Basin Name: WET Z
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
             Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 29.35
    Runoff Volume (in): 8.158
   Runoff Volume (ft3): 684343


--------------------------------------------------------------------------------

            Basin Name: WET Z1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 48.00
      Time Shift (hrs): 0.00
             Area (ac): 2.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.42
       Flow Max (cfs): 5.21
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 61308


--------------------------------------------------------------------------------

            Basin Name: Z1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 62.00
      Time Shift (hrs): 0.00
             Area (ac): 52.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 4.95
    Runoff Volume (in): 0.678
   Runoff Volume (ft3): 129002


--------------------------------------------------------------------------------
```

```
            Basin Name: A1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.27
   Comp Time Inc (min): 4.27
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 32.00
      Time Shift (hrs): 0.00
             Area (ac): 1.350
  Vol of Unit Hyd (in): 1.001
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 62.72
       Flow Max (cfs): 0.63
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 7984


--------------------------------------------------------------------------------

            Basin Name: A2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
             Area (ac): 10.720
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 63.25
       Flow Max (cfs): 3.11
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 63402


--------------------------------------------------------------------------------

            Basin Name: B1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.40
   Comp Time Inc (min): 4.40
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 33.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 62.77
       Flow Max (cfs): 1.32
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 17146


--------------------------------------------------------------------------------
```

```
            Basin Name: B2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 6.80
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 51.00
     Time Shift (hrs): 0.00
           Area (ac): 7.250
 Vol of Unit Hyd (in): 1.000
        Curve Number: 30.000
            DCIA (%): 0.000

      Time Max (hrs): 63.00
      Flow Max (cfs): 2.47
   Runoff Volume (in): 1.627
  Runoff Volume (ft3): 42828


--------------------------------------------------------------------------------

            Basin Name: B3
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.20
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 54.00
     Time Shift (hrs): 0.00
           Area (ac): 2.700
 Vol of Unit Hyd (in): 1.000
        Curve Number: 30.000
            DCIA (%): 0.000

      Time Max (hrs): 63.08
      Flow Max (cfs): 0.88
   Runoff Volume (in): 1.628
  Runoff Volume (ft3): 15957


--------------------------------------------------------------------------------

            Basin Name: B4
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: B4
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 8.27
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 62.00
     Time Shift (hrs): 0.00
           Area (ac): 2.600
 Vol of Unit Hyd (in): 1.000
        Curve Number: 30.000
            DCIA (%): 0.000

      Time Max (hrs): 63.17
      Flow Max (cfs): 0.78
   Runoff Volume (in): 1.628
  Runoff Volume (ft3): 15366


--------------------------------------------------------------------------------
```

```
            Basin Name: C1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 8.93
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 67.00
     Time Shift (hrs): 0.00
            Area (ac): 7.090
 Vol of Unit Hyd (in): 1.000
         Curve Number: 30.000
             DCIA (%): 0.000

      Time Max (hrs): 63.25
      Flow Max (cfs): 2.02
   Runoff Volume (in): 1.629
  Runoff Volume (ft3): 41930


--------------------------------------------------------------------------------

            Basin Name: C2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.60
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 57.00
     Time Shift (hrs): 0.00
            Area (ac): 11.840
 Vol of Unit Hyd (in): 1.000
         Curve Number: 34.000
             DCIA (%): 0.000

      Time Max (hrs): 63.00
      Flow Max (cfs): 6.14
   Runoff Volume (in): 2.245
  Runoff Volume (ft3): 96474


--------------------------------------------------------------------------------

            Basin Name: C3
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.47
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 56.00
     Time Shift (hrs): 0.00
            Area (ac): 11.260
 Vol of Unit Hyd (in): 1.000
         Curve Number: 35.000
             DCIA (%): 0.000

      Time Max (hrs): 63.00
      Flow Max (cfs): 6.50
   Runoff Volume (in): 2.402
  Runoff Volume (ft3): 98167


--------------------------------------------------------------------------------
```

```
            Basin Name: D1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 10.27
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 77.00
      Time Shift (hrs): 0.00
             Area (ac): 31.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 63.33
       Flow Max (cfs): 9.53
    Runoff Volume (in): 1.780
   Runoff Volume (ft3): 206400


--------------------------------------------------------------------------------

            Basin Name: D2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: D2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.67
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 50.00
      Time Shift (hrs): 0.00
             Area (ac): 2.210
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 62.92
       Flow Max (cfs): 1.25
    Runoff Volume (in): 2.243
   Runoff Volume (ft3): 17998


--------------------------------------------------------------------------------

            Basin Name: D3
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: D3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.73
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 58.00
      Time Shift (hrs): 0.00
             Area (ac): 2.770
  Vol of Unit Hyd (in): 1.000
          Curve Number: 33.000
              DCIA (%): 0.000

       Time Max (hrs): 63.08
       Flow Max (cfs): 1.28
    Runoff Volume (in): 2.088
   Runoff Volume (ft3): 20995


--------------------------------------------------------------------------------
```

```
            Basin Name: D4
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 63.08
       Flow Max (cfs): 1.18
    Runoff Volume (in): 1.932
   Runoff Volume (ft3): 20341


--------------------------------------------------------------------------------

            Basin Name: D5
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.87
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 44.00
      Time Shift (hrs): 0.00
             Area (ac): 7.970
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 62.83
       Flow Max (cfs): 3.94
    Runoff Volume (in): 1.932
   Runoff Volume (ft3): 55888


--------------------------------------------------------------------------------

            Basin Name: E1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.20
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 69.00
      Time Shift (hrs): 0.00
             Area (ac): 21.740
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 63.25
       Flow Max (cfs): 7.94
    Runoff Volume (in): 1.933
   Runoff Volume (ft3): 152562


--------------------------------------------------------------------------------
```

```
            Basin Name: F1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.07
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 83.00
      Time Shift (hrs): 0.00
             Area (ac): 8.290
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 63.42
       Flow Max (cfs): 2.67
    Runoff Volume (in): 1.934
   Runoff Volume (ft3): 58198


--------------------------------------------------------------------------------

            Basin Name: G1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 27.180
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 63.00
       Flow Max (cfs): 12.01
    Runoff Volume (in): 1.933
   Runoff Volume (ft3): 190670


--------------------------------------------------------------------------------

            Basin Name: G2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 15.760
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 63.00
       Flow Max (cfs): 6.97
    Runoff Volume (in): 1.933
   Runoff Volume (ft3): 110558


--------------------------------------------------------------------------------
```

```
            Basin Name: G3
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 7.87
    Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 59.00
       Time Shift (hrs): 0.00
             Area (ac): 10.350
   Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

        Time Max (hrs): 63.08
        Flow Max (cfs): 4.20
     Runoff Volume (in): 1.932
    Runoff Volume (ft3): 72597


--------------------------------------------------------------------------------

            Basin Name: G4
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 6.53
    Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 49.00
       Time Shift (hrs): 0.00
             Area (ac): 5.160
   Vol of Unit Hyd (in): 1.000
          Curve Number: 36.000
              DCIA (%): 0.000

        Time Max (hrs): 62.92
        Flow Max (cfs): 3.56
     Runoff Volume (in): 2.557
    Runoff Volume (ft3): 47901


--------------------------------------------------------------------------------

            Basin Name: G5
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 6.53
    Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 49.00
       Time Shift (hrs): 0.00
             Area (ac): 11.610
   Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

        Time Max (hrs): 62.92
        Flow Max (cfs): 6.68
     Runoff Volume (in): 2.243
    Runoff Volume (ft3): 94534


--------------------------------------------------------------------------------
```

```
            Basin Name: H1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 8.680
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 63.08
       Flow Max (cfs): 3.10
    Runoff Volume (in): 1.779
   Runoff Volume (ft3): 56058


--------------------------------------------------------------------------------

            Basin Name: H2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 6.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 63.00
       Flow Max (cfs): 2.67
    Runoff Volume (in): 1.934
   Runoff Volume (ft3): 43949


--------------------------------------------------------------------------------

            Basin Name: J1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.00
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 45.00
      Time Shift (hrs): 0.00
             Area (ac): 5.750
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 62.92
       Flow Max (cfs): 2.80
    Runoff Volume (in): 1.932
   Runoff Volume (ft3): 40330


--------------------------------------------------------------------------------
```

```
            Basin Name: K1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 2.710
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 63.25
       Flow Max (cfs): 0.97
    Runoff Volume (in): 1.932
   Runoff Volume (ft3): 19006


--------------------------------------------------------------------------------

            Basin Name: K2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.27
   Comp Time Inc (min): 4.27
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 32.00
      Time Shift (hrs): 0.00
             Area (ac): 0.590
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 62.72
       Flow Max (cfs): 0.36
    Runoff Volume (in): 1.934
   Runoff Volume (ft3): 4143


--------------------------------------------------------------------------------

            Basin Name: OFF A
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 24.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 37.000
              DCIA (%): 0.000

       Time Max (hrs): 63.00
       Flow Max (cfs): 16.93
    Runoff Volume (in): 2.718
   Runoff Volume (ft3): 245038


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 14.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 63.33
       Flow Max (cfs): 4.09
    Runoff Volume (in): 1.627
   Runoff Volume (ft3): 88319


--------------------------------------------------------------------------------

            Basin Name: OFF B2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 63.08
       Flow Max (cfs): 2.62
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 47725


--------------------------------------------------------------------------------

            Basin Name: OFF B3
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.13
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 61.00
      Time Shift (hrs): 0.00
             Area (ac): 21.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 40.000
              DCIA (%): 0.000

       Time Max (hrs): 63.00
       Flow Max (cfs): 16.74
    Runoff Volume (in): 3.191
   Runoff Volume (ft3): 246137


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF F
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
             Area (ac): 4.500
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 63.25
       Flow Max (cfs): 1.30
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 26615


--------------------------------------------------------------------------------

            Basin Name: OFF G1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 1.080
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 62.82
       Flow Max (cfs): 0.46
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 6388


--------------------------------------------------------------------------------

            Basin Name: OFF G2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.73
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 88.00
      Time Shift (hrs): 0.00
             Area (ac): 66.910
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 63.33
       Flow Max (cfs): 80.09
    Runoff Volume (in): 5.854
   Runoff Volume (ft3): 1421953


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF J1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 6.27
    Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 47.00
       Time Shift (hrs): 0.00
              Area (ac): 4.110
   Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

        Time Max (hrs): 62.92
        Flow Max (cfs): 1.48
     Runoff Volume (in): 1.630
    Runoff Volume (ft3): 24314


--------------------------------------------------------------------------------

            Basin Name: OFF K
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 4.93
    Comp Time Inc (min): 4.93
         Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 37.00
       Time Shift (hrs): 0.00
              Area (ac): 19.370
   Vol of Unit Hyd (in): 1.000
          Curve Number: 54.000
              DCIA (%): 0.000

        Time Max (hrs): 62.73
        Flow Max (cfs): 38.07
     Runoff Volume (in): 5.399
    Runoff Volume (ft3): 379595


--------------------------------------------------------------------------------

            Basin Name: SE OFF
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 5.47
    Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 41.00
       Time Shift (hrs): 0.00
              Area (ac): 68.420
   Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

        Time Max (hrs): 62.83
        Flow Max (cfs): 35.63
     Runoff Volume (in): 1.932
    Runoff Volume (ft3): 479904


--------------------------------------------------------------------------------
```

```
            Basin Name: WET A
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.53
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 124.00
      Time Shift (hrs): 0.00
            Area (ac): 6.750
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.67
       Flow Max (cfs): 10.51
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 280722


--------------------------------------------------------------------------------

            Basin Name: WET B
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.20
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 129.00
      Time Shift (hrs): 0.00
            Area (ac): 16.060
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.75
       Flow Max (cfs): 24.31
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 667908


--------------------------------------------------------------------------------

            Basin Name: WET C
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
            Area (ac): 15.030
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.67
       Flow Max (cfs): 23.68
    Runoff Volume (in): 11.459
   Runoff Volume (ft3): 625172


--------------------------------------------------------------------------------
```

```
            Basin Name: WET D
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.80
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 126.00
      Time Shift (hrs): 0.00
             Area (ac): 68.660
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.75
       Flow Max (cfs): 105.64
    Runoff Volume (in): 11.456
   Runoff Volume (ft3): 2855258


--------------------------------------------------------------------------------

            Basin Name: WET E
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.07
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 128.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.75
       Flow Max (cfs): 17.67
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 482836


--------------------------------------------------------------------------------

            Basin Name: WET F
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
             Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.58
       Flow Max (cfs): 6.36
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 160946


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
             Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.67
       Flow Max (cfs): 23.79
    Runoff Volume (in): 11.458
   Runoff Volume (ft3): 631777


--------------------------------------------------------------------------------

            Basin Name: WET G2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
             Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.67
       Flow Max (cfs): 18.48
    Runoff Volume (in): 11.459
   Runoff Volume (ft3): 487908


--------------------------------------------------------------------------------

            Basin Name: WET G3
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
             Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.58
       Flow Max (cfs): 6.00
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 152628


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G4
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.73
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 58.00
      Time Shift (hrs): 0.00
            Area (ac): 0.020
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 62.92
       Flow Max (cfs): 0.05
    Runoff Volume (in): 11.456
   Runoff Volume (ft3): 832


--------------------------------------------------------------------------------

            Basin Name: WET G5
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
            Area (ac): 1.970
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.50
       Flow Max (cfs): 3.34
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 81928


--------------------------------------------------------------------------------

            Basin Name: WET J
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
            Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.50
       Flow Max (cfs): 3.90
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 95652


--------------------------------------------------------------------------------
```

```
            Basin Name: WET K
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
             Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.00
       Flow Max (cfs): 6.09
    Runoff Volume (in): 11.455
   Runoff Volume (ft3): 101456


--------------------------------------------------------------------------------

            Basin Name: WET Z
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
             Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.92
       Flow Max (cfs): 31.95
    Runoff Volume (in): 11.455
   Runoff Volume (ft3): 960987


--------------------------------------------------------------------------------

            Basin Name: WET Z1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.40
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 48.00
      Time Shift (hrs): 0.00
             Area (ac): 2.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 62.83
       Flow Max (cfs): 6.17
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 86092


--------------------------------------------------------------------------------
```

```
            Basin Name: Z1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.27
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 62.00
      Time Shift (hrs): 0.00
             Area (ac): 52.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 63.08
       Flow Max (cfs): 20.55
    Runoff Volume (in): 1.933
   Runoff Volume (ft3): 367929


--------------------------------------------------------------------------------

            Basin Name: A1
            Group Name: BASE
            Simulation: MA
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.27
   Comp Time Inc (min): 4.27
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 32.00
      Time Shift (hrs): 0.00
             Area (ac): 1.350
  Vol of Unit Hyd (in): 1.001
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: A2
            Group Name: BASE
            Simulation: MA
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
             Area (ac): 10.720
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------
```

```
            Basin Name: B1
            Group Name: BASE
            Simulation: MA
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.40
   Comp Time Inc (min): 4.40
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 33.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: B2
            Group Name: BASE
            Simulation: MA
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 51.00
      Time Shift (hrs): 0.00
             Area (ac): 7.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: B3
            Group Name: BASE
            Simulation: MA
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 54.00
      Time Shift (hrs): 0.00
             Area (ac): 2.700
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------
```

```
            Basin Name: B4
            Group Name: BASE
            Simulation: MA
             Node Name: B4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 62.00
      Time Shift (hrs): 0.00
             Area (ac): 2.600
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: C1
            Group Name: BASE
            Simulation: MA
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 67.00
      Time Shift (hrs): 0.00
             Area (ac): 7.090
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: C2
            Group Name: BASE
            Simulation: MA
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.60
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 57.00
      Time Shift (hrs): 0.00
             Area (ac): 11.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 28.50
       Flow Max (cfs): 0.03
    Runoff Volume (in): 0.019
   Runoff Volume (ft3): 819


--------------------------------------------------------------------------------
```

```
            Basin Name: C3
            Group Name: BASE
            Simulation: MA
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.47
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 56.00
     Time Shift (hrs): 0.00
           Area (ac): 11.260
 Vol of Unit Hyd (in): 1.000
        Curve Number: 35.000
            DCIA (%): 0.000

      Time Max (hrs): 28.42
      Flow Max (cfs): 0.04
   Runoff Volume (in): 0.032
  Runoff Volume (ft3): 1304


--------------------------------------------------------------------------------

            Basin Name: D1
            Group Name: BASE
            Simulation: MA
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 10.27
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 77.00
     Time Shift (hrs): 0.00
           Area (ac): 31.950
 Vol of Unit Hyd (in): 1.000
        Curve Number: 31.000
            DCIA (%): 0.000

      Time Max (hrs): 30.50
      Flow Max (cfs): 0.00
   Runoff Volume (in): 0.000
  Runoff Volume (ft3): 12


--------------------------------------------------------------------------------

            Basin Name: D2
            Group Name: BASE
            Simulation: MA
             Node Name: D2
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 6.67
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 50.00
     Time Shift (hrs): 0.00
           Area (ac): 2.210
 Vol of Unit Hyd (in): 1.000
        Curve Number: 34.000
            DCIA (%): 0.000

      Time Max (hrs): 28.42
      Flow Max (cfs): 0.01
   Runoff Volume (in): 0.019
  Runoff Volume (ft3): 153


--------------------------------------------------------------------------------
```

```
            Basin Name: D3
            Group Name: BASE
            Simulation: MA
             Node Name: D3
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.73
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 58.00
     Time Shift (hrs): 0.00
           Area (ac): 2.770
 Vol of Unit Hyd (in): 1.000
        Curve Number: 33.000
            DCIA (%): 0.000

      Time Max (hrs): 29.67
      Flow Max (cfs): 0.00
   Runoff Volume (in): 0.009
  Runoff Volume (ft3): 94


--------------------------------------------------------------------------------

            Basin Name: D4
            Group Name: BASE
            Simulation: MA
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.87
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 59.00
     Time Shift (hrs): 0.00
           Area (ac): 2.900
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 30.00
      Flow Max (cfs): 0.00
   Runoff Volume (in): 0.003
  Runoff Volume (ft3): 31


--------------------------------------------------------------------------------

            Basin Name: D5
            Group Name: BASE
            Simulation: MA
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 5.87
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 44.00
     Time Shift (hrs): 0.00
           Area (ac): 7.970
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 29.75
      Flow Max (cfs): 0.01
   Runoff Volume (in): 0.003
  Runoff Volume (ft3): 84


--------------------------------------------------------------------------------
```

```
            Basin Name: E1
            Group Name: BASE
            Simulation: MA
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 69.00
      Time Shift (hrs): 0.00
             Area (ac): 21.740
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 30.08
       Flow Max (cfs): 0.02
    Runoff Volume (in): 0.003
   Runoff Volume (ft3): 229


--------------------------------------------------------------------------------

            Basin Name: F1
            Group Name: BASE
            Simulation: MA
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 83.00
      Time Shift (hrs): 0.00
             Area (ac): 8.290
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 30.17
       Flow Max (cfs): 0.01
    Runoff Volume (in): 0.003
   Runoff Volume (ft3): 87


--------------------------------------------------------------------------------

            Basin Name: G1
            Group Name: BASE
            Simulation: MA
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 27.180
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 30.00
       Flow Max (cfs): 0.02
    Runoff Volume (in): 0.003
   Runoff Volume (ft3): 287


--------------------------------------------------------------------------------
```

```
            Basin Name: G2
            Group Name: BASE
            Simulation: MA
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 15.760
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 30.00
       Flow Max (cfs): 0.01
    Runoff Volume (in): 0.003
   Runoff Volume (ft3): 166


--------------------------------------------------------------------------------

            Basin Name: G3
            Group Name: BASE
            Simulation: MA
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 10.350
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 30.00
       Flow Max (cfs): 0.01
    Runoff Volume (in): 0.003
   Runoff Volume (ft3): 109


--------------------------------------------------------------------------------

            Basin Name: G4
            Group Name: BASE
            Simulation: MA
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 49.00
      Time Shift (hrs): 0.00
             Area (ac): 5.160
  Vol of Unit Hyd (in): 1.000
          Curve Number: 36.000
              DCIA (%): 0.000

       Time Max (hrs): 28.33
       Flow Max (cfs): 0.02
    Runoff Volume (in): 0.048
   Runoff Volume (ft3): 892


--------------------------------------------------------------------------------
```

```
            Basin Name: G5
            Group Name: BASE
            Simulation: MA
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 49.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 28.42
       Flow Max (cfs): 0.03
    Runoff Volume (in): 0.019
   Runoff Volume (ft3): 802


--------------------------------------------------------------------------------

            Basin Name: H1
            Group Name: BASE
            Simulation: MA
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 8.680
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 30.33
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 3


--------------------------------------------------------------------------------

            Basin Name: H2
            Group Name: BASE
            Simulation: MA
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 6.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 30.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.003
   Runoff Volume (ft3): 66


--------------------------------------------------------------------------------
```

```
            Basin Name: J1
            Group Name: BASE
            Simulation: MA
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 6.00
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 45.00
     Time Shift (hrs): 0.00
           Area (ac): 5.750
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 29.75
      Flow Max (cfs): 0.00
   Runoff Volume (in): 0.003
  Runoff Volume (ft3): 61


--------------------------------------------------------------------------------

            Basin Name: K1
            Group Name: BASE
            Simulation: MA
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 9.47
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 71.00
     Time Shift (hrs): 0.00
           Area (ac): 2.710
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 30.08
      Flow Max (cfs): 0.00
   Runoff Volume (in): 0.003
  Runoff Volume (ft3): 29


--------------------------------------------------------------------------------

            Basin Name: K2
            Group Name: BASE
            Simulation: MA
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 4.27
  Comp Time Inc (min): 4.27
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 32.00
     Time Shift (hrs): 0.00
           Area (ac): 0.590
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 29.58
      Flow Max (cfs): 0.00
   Runoff Volume (in): 0.003
  Runoff Volume (ft3): 6


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF A
            Group Name: BASE
            Simulation: MA
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 24.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 37.000
              DCIA (%): 0.000

       Time Max (hrs): 24.83
       Flow Max (cfs): 0.14
    Runoff Volume (in): 0.066
   Runoff Volume (ft3): 5963


--------------------------------------------------------------------------------

            Basin Name: OFF B
            Group Name: BASE
            Simulation: MA
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 14.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: OFF B2
            Group Name: BASE
            Simulation: MA
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B3
            Group Name: BASE
            Simulation: MA
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.13
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 61.00
      Time Shift (hrs): 0.00
              Area (ac): 21.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 40.000
              DCIA (%): 0.000

       Time Max (hrs): 19.50
       Flow Max (cfs): 0.24
    Runoff Volume (in): 0.136
   Runoff Volume (ft3): 10510


--------------------------------------------------------------------------------

            Basin Name: OFF F
            Group Name: BASE
            Simulation: MA
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
              Area (ac): 4.500
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: OFF G1
            Group Name: BASE
            Simulation: MA
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
              Area (ac): 1.080
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF G2
            Group Name: BASE
            Simulation: MA
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 11.73
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 88.00
       Time Shift (hrs): 0.00
              Area (ac): 66.910
   Vol of Unit Hyd (in): 1.000
           Curve Number: 57.000
               DCIA (%): 0.000

         Time Max (hrs): 16.17
         Flow Max (cfs): 10.26
     Runoff Volume (in): 0.849
    Runoff Volume (ft3): 206218


--------------------------------------------------------------------------------

            Basin Name: OFF J1
            Group Name: BASE
            Simulation: MA
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 6.27
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 47.00
       Time Shift (hrs): 0.00
              Area (ac): 4.110
   Vol of Unit Hyd (in): 1.000
           Curve Number: 30.000
               DCIA (%): 0.000

         Time Max (hrs): 0.00
         Flow Max (cfs): 0.00
     Runoff Volume (in): 0.000
    Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: OFF K
            Group Name: BASE
            Simulation: MA
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 4.93
    Comp Time Inc (min): 4.93
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 37.00
       Time Shift (hrs): 0.00
              Area (ac): 19.370
   Vol of Unit Hyd (in): 1.000
           Curve Number: 54.000
               DCIA (%): 0.000

         Time Max (hrs): 15.54
         Flow Max (cfs): 3.68
     Runoff Volume (in): 0.690
    Runoff Volume (ft3): 48533


--------------------------------------------------------------------------------
```

```
            Basin Name: SE OFF
            Group Name: BASE
            Simulation: MA
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 5.47
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 41.00
       Time Shift (hrs): 0.00
              Area (ac): 68.420
   Vol of Unit Hyd (in): 1.000
           Curve Number: 32.000
               DCIA (%): 0.000

         Time Max (hrs): 29.67
         Flow Max (cfs): 0.06
     Runoff Volume (in): 0.003
    Runoff Volume (ft3): 721


--------------------------------------------------------------------------------

            Basin Name: WET A
            Group Name: BASE
            Simulation: MA
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 16.53
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 124.00
       Time Shift (hrs): 0.00
              Area (ac): 6.750
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.25
         Flow Max (cfs): 5.09
     Runoff Volume (in): 4.263
    Runoff Volume (ft3): 104463


--------------------------------------------------------------------------------

            Basin Name: WET B
            Group Name: BASE
            Simulation: MA
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 17.20
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 129.00
       Time Shift (hrs): 0.00
              Area (ac): 16.060
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.33
         Flow Max (cfs): 11.80
     Runoff Volume (in): 4.263
    Runoff Volume (ft3): 248545


--------------------------------------------------------------------------------
```

```
            Basin Name: WET C
            Group Name: BASE
            Simulation: MA
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
              Area (ac): 15.030
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 11.47
    Runoff Volume (in): 4.264
   Runoff Volume (ft3): 232642


--------------------------------------------------------------------------------

            Basin Name: WET D
            Group Name: BASE
            Simulation: MA
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 126.00
      Time Shift (hrs): 0.00
              Area (ac): 68.660
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 51.23
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 1062512


--------------------------------------------------------------------------------

            Basin Name: WET E
            Group Name: BASE
            Simulation: MA
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 128.00
      Time Shift (hrs): 0.00
              Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 8.58
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 179675


--------------------------------------------------------------------------------
```

```
            Basin Name: WET F
            Group Name: BASE
            Simulation: MA
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
             Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 3.07
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 59892


--------------------------------------------------------------------------------

            Basin Name: WET G1
            Group Name: BASE
            Simulation: MA
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
             Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 11.53
    Runoff Volume (in): 4.264
   Runoff Volume (ft3): 235100


--------------------------------------------------------------------------------

            Basin Name: WET G2
            Group Name: BASE
            Simulation: MA
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
             Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 8.95
    Runoff Volume (in): 4.264
   Runoff Volume (ft3): 181563


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G3
            Group Name: BASE
            Simulation: MA
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
             Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 2.90
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 56797


--------------------------------------------------------------------------------

            Basin Name: WET G4
            Group Name: BASE
            Simulation: MA
             Node Name: WET G4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 58.00
      Time Shift (hrs): 0.00
             Area (ac): 0.020
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.50
       Flow Max (cfs): 0.02
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 309


--------------------------------------------------------------------------------

            Basin Name: WET G5
            Group Name: BASE
            Simulation: MA
             Node Name: WET G5
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
             Area (ac): 1.970
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 1.61
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 30487


--------------------------------------------------------------------------------
```

```
            Basin Name: WET J
            Group Name: BASE
            Simulation: MA
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
            Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 1.88
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 35594


--------------------------------------------------------------------------------

            Basin Name: WET K
            Group Name: BASE
            Simulation: MA
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
            Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 2.82
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 37754


--------------------------------------------------------------------------------

            Basin Name: WET Z
            Group Name: BASE
            Simulation: MA
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
            Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 15.59
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 357607


--------------------------------------------------------------------------------
```

```
            Basin Name: WET Z1
            Group Name: BASE
            Simulation: MA
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 6.40
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 48.00
     Time Shift (hrs): 0.00
            Area (ac): 2.070
 Vol of Unit Hyd (in): 1.000
        Curve Number: 98.000
            DCIA (%): 0.000

      Time Max (hrs): 15.42
      Flow Max (cfs): 2.77
   Runoff Volume (in): 4.264
  Runoff Volume (ft3): 32037


--------------------------------------------------------------------------------

            Basin Name: Z1
            Group Name: BASE
            Simulation: MA
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 8.27
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 62.00
     Time Shift (hrs): 0.00
            Area (ac): 52.440
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 30.00
      Flow Max (cfs): 0.04
   Runoff Volume (in): 0.003
  Runoff Volume (ft3): 553
```

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
B4	BASE	100Y24H	30.00	82.36	84.50	0.0013	7998	16.00	0.50	0.00	0.00
C3	BASE	100Y24H	16.06	85.24	86.00	0.0045	22948	15.75	4.58	16.06	4.19
D2	BASE	100Y24H	30.00	84.09	86.00	0.0023	6574	15.67	0.86	0.00	0.00
D3	BASE	100Y24H	30.00	83.60	84.50	0.0030	8520	15.83	0.87	0.00	0.00
DUMMY	BASE	100Y24H	29.99	82.43	84.00	0.0040	29195	16.34	7.30	20.44	6.27
OFF B2	BASE	100Y24H	16.62	84.67	85.00	-0.0049	12758	16.45	23.21	16.62	10.10
OFF B3	BASE	100Y24H	16.67	84.67	85.00	0.0034	107546	15.75	12.93	16.45	21.81
OUTFALL	BASE	100Y24H	0.00	81.00	82.00	0.0000	4	29.99	12.54	0.00	0.00
WET A	BASE	100Y24H	30.00	82.44	84.50	0.0013	354337	15.92	25.16	16.83	1.10
WET B	BASE	100Y24H	30.00	82.44	84.50	0.0015	651754	16.42	42.95	30.00	1.21
WET C	BASE	100Y24H	30.00	82.43	84.50	0.0016	584233	16.14	35.00	2.04	2.58
WET D	BASE	100Y24H	0.00	83.60	84.00	0.0000	8	16.59	152.82	0.00	0.00
WET E	BASE	100Y24H	17.07	83.73	84.00	0.0003	579075	16.25	25.11	17.07	20.68
WET F	BASE	100Y24H	30.00	82.59	84.00	0.0016	142219	16.16	9.82	0.00	0.00
WET G1	BASE	100Y24H	30.00	82.43	84.00	0.0016	589117	16.26	38.54	30.00	6.20
WET G2	BASE	100Y24H	29.99	82.28	84.00	0.0020	870984	16.00	94.83	29.99	12.54
WET G3	BASE	100Y24H	30.00	82.57	84.50	0.0016	122066	16.08	9.41	0.00	0.00
WET G4	BASE	100Y24H	18.33	84.52	85.00	-2.0000	28041	15.67	2.57	0.00	0.00
WET G5	BASE	100Y24H	30.00	84.27	85.00	-1.0000	87974	15.83	7.96	0.00	0.00
WET J	BASE	100Y24H	30.00	82.74	84.00	0.0018	77349	15.92	6.86	0.00	0.00
WET K	BASE	100Y24H	16.94	83.65	84.00	0.0039	416820	15.42	38.94	16.94	13.48
WET Z	BASE	100Y24H	30.00	82.43	85.00	0.0017	754086	16.12	61.54	14.70	6.58
WET Z1	BASE	100Y24H	16.15	85.65	85.00	0.0050	33467	15.75	18.86	16.15	17.04
B4	BASE	10Y24H	30.00	81.31	84.50	0.0003	7238	18.50	0.05	0.00	0.00
C3	BASE	10Y24H	17.99	85.11	86.00	0.0029	17857	16.00	0.87	17.99	0.62
D2	BASE	10Y24H	30.00	82.64	86.00	0.0007	5943	16.00	0.14	0.00	0.00
D3	BASE	10Y24H	30.00	81.81	84.50	0.0009	5145	16.33	0.13	0.00	0.00
DUMMY	BASE	10Y24H	30.00	81.75	84.00	0.0037	29195	14.85	6.17	30.00	4.01
OFF B2	BASE	10Y24H	19.48	84.55	85.00	0.0050	10810	20.13	7.91	19.48	1.57
OFF B3	BASE	10Y24H	19.45	84.55	85.00	0.0023	101410	15.91	3.67	20.13	7.75
OUTFALL	BASE	10Y24H	0.00	81.00	82.00	0.0000	4	30.00	8.95	0.00	0.00
WET A	BASE	10Y24H	30.00	81.75	84.50	0.0008	346170	16.17	11.05	30.00	0.22
WET B	BASE	10Y24H	30.00	81.75	84.50	0.0008	641339	16.34	19.32	30.00	0.73
WET C	BASE	10Y24H	30.00	81.75	84.50	0.0010	574535	16.25	18.98	2.33	2.58
WET D	BASE	10Y24H	0.00	83.60	84.00	0.0000	8	16.42	85.95	0.00	0.00
WET E	BASE	10Y24H	17.23	83.68	84.00	0.0003	559445	16.33	14.49	17.23	11.63
WET F	BASE	10Y24H	30.00	81.97	84.00	0.0012	137826	16.25	5.19	0.00	0.00
WET G1	BASE	10Y24H	30.00	81.74	84.00	0.0010	545173	16.08	18.77	30.00	4.61
WET G2	BASE	10Y24H	30.00	81.65	84.00	0.0013	823438	16.00	48.15	30.00	8.95
WET G3	BASE	10Y24H	30.00	81.91	84.50	0.0011	116933	16.17	5.01	0.00	0.00
WET G4	BASE	10Y24H	30.00	84.25	85.00	-2.0000	18788	15.84	0.56	0.00	0.00
WET G5	BASE	10Y24H	30.00	83.04	85.00	-1.0000	67226	16.08	3.35	0.00	0.00
WET J	BASE	10Y24H	30.00	81.94	84.00	0.0011	73023	16.17	3.31	0.00	0.00
WET K	BASE	10Y24H	20.48	83.61	84.00	0.0034	409875	15.42	19.18	20.48	2.21
WET Z	BASE	10Y24H	30.00	81.75	85.00	0.0010	707771	16.34	25.29	14.85	6.17
WET Z1	BASE	10Y24H	20.46	85.53	85.00	0.0050	33013	15.59	4.86	20.46	1.72
B4	BASE	25Y24H	30.00	81.64	84.50	0.0006	7525	16.33	0.15	0.00	0.00
C3	BASE	25Y24H	16.67	85.16	86.00	0.0036	19684	15.91	1.95	16.67	1.53
D2	BASE	25Y24H	30.00	83.12	86.00	0.0012	6151	15.83	0.35	0.00	0.00
D3	BASE	25Y24H	30.00	82.45	84.50	0.0015	5422	16.00	0.33	0.00	0.00
DUMMY	BASE	25Y24H	30.00	81.98	84.00	0.0038	29195	14.79	6.28	30.00	4.68
OFF B2	BASE	25Y24H	17.66	84.59	85.00	0.0050	11458	17.52	14.32	17.66	3.85
OFF B3	BASE	25Y24H	17.52	84.59	85.00	0.0027	103443	15.83	6.62	17.52	13.89
OUTFALL	BASE	25Y24H	0.00	81.00	82.00	0.0000	4	30.00	10.33	0.00	0.00
WET A	BASE	25Y24H	30.00	81.99	84.50	0.0010	348874	16.08	15.48	16.90	0.52
WET B	BASE	25Y24H	30.00	81.99	84.50	0.0012	645495	16.70	24.73	30.00	0.90
WET C	BASE	25Y24H	30.00	81.99	84.50	0.0013	577465	16.33	24.21	30.00	1.35
WET D	BASE	25Y24H	0.00	83.60	84.00	0.0000	8	16.42	106.21	0.00	0.00
WET E	BASE	25Y24H	17.18	83.70	84.00	0.0002	566447	16.33	18.06	17.18	14.66
WET F	BASE	25Y24H	30.00	82.18	84.00	0.0013	140270	16.17	6.67	0.00	0.00

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
WET G1	BASE	25Y24H	30.00	81.98	84.00	0.0013	551003	16.08	23.28	30.00	5.13
WET G2	BASE	25Y24H	30.00	81.87	84.00	0.0012	839897	16.00	64.46	30.00	10.33
WET G3	BASE	25Y24H	30.00	82.14	84.50	0.0013	118701	16.17	6.44	0.00	0.00
WET G4	BASE	25Y24H	28.33	84.51	85.00	-2.0000	27524	15.75	1.16	0.00	0.00
WET G5	BASE	25Y24H	30.00	83.41	85.00	-1.0000	68693	16.00	4.78	0.00	0.00
WET J	BASE	25Y24H	30.00	82.21	84.00	0.0013	74388	16.08	4.41	0.00	0.00
WET K	BASE	25Y24H	18.50	83.62	84.00	0.0037	411743	15.42	26.18	18.50	4.46
WET Z	BASE	25Y24H	30.00	81.99	85.00	0.0014	723872	16.33	32.25	14.79	6.28
WET Z1	BASE	25Y24H	17.39	85.57	85.00	0.0050	33153	15.83	8.68	17.39	5.29
B4	BASE	MA	0.00	81.00	84.50	0.0000	6970	0.00	0.00	0.00	0.00
C3	BASE	MA	30.00	84.76	86.00	0.0004	7487	28.42	0.04	0.00	0.00
D2	BASE	MA	30.00	82.02	86.00	0.0001	5673	28.42	0.01	0.00	0.00
D3	BASE	MA	30.00	81.02	84.50	0.0001	4798	29.67	0.00	0.00	0.00
DUMMY	BASE	MA	28.93	81.34	84.00	0.0050	29380	28.92	8.51	28.93	3.08
OFF B2	BASE	MA	0.00	84.00	85.00	0.0000	113	0.00	0.00	0.00	0.00
OFF B3	BASE	MA	30.00	84.32	85.00	0.0008	62319	19.50	0.24	0.00	0.00
OUTFALL	BASE	MA	0.00	81.00	82.00	0.0000	4	25.87	5.99	0.00	0.00
WET A	BASE	MA	30.00	81.36	84.50	0.0009	341664	16.26	5.09	30.00	0.13
WET B	BASE	MA	30.00	81.36	84.50	0.0011	634403	16.34	11.69	30.00	0.51
WET C	BASE	MA	28.92	81.35	84.50	0.0012	569494	16.25	11.40	3.01	2.58
WET D	BASE	MA	0.00	83.60	84.00	0.0000	8	16.42	47.58	0.00	0.00
WET E	BASE	MA	17.30	83.65	84.00	0.0003	546217	16.34	8.57	17.30	6.58
WET F	BASE	MA	30.00	81.57	84.00	0.0017	117026	16.17	3.07	0.00	0.00
WET G1	BASE	MA	29.57	81.34	84.00	0.0012	535343	16.25	12.83	29.57	3.52
WET G2	BASE	MA	25.87	81.29	84.00	0.0012	796166	16.17	20.88	25.87	5.99
WET G3	BASE	MA	30.00	81.49	84.50	0.0015	113868	16.17	2.90	0.00	0.00
WET G4	BASE	MA	30.00	83.17	85.00	-2.0000	6783	15.50	0.02	0.00	0.00
WET G5	BASE	MA	30.00	82.47	85.00	-1.0000	65691	16.09	1.61	0.00	0.00
WET J	BASE	MA	30.00	81.49	84.00	0.0014	71843	16.09	1.88	0.00	0.00
WET K	BASE	MA	24.74	83.60	84.00	0.0027	407259	15.51	6.47	24.74	0.65
WET Z	BASE	MA	28.92	81.35	85.00	0.0013	680956	16.26	15.38	28.92	8.51
WET Z1	BASE	MA	30.00	84.26	85.00	0.0050	28011	15.41	2.77	0.00	0.00

HILLSIDE GROVE
PRE 25 / 96 VOLUME
4/1/22

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y96H	WET D	BASE	95.50	83.60	84.00	2	6.79	0.00	78.9	0.0
25Y96H	WET D	BASE	95.76	83.60	84.00	2	6.80	0.00	79.1	0.0
25Y96H	WET D	BASE	96.01	83.60	84.00	2	6.80	0.00	79.2	0.0
25Y96H	WET E	BASE	95.50	83.61	84.00	528653	1.56	1.55	14.9	14.7
25Y96H	WET E	BASE	95.76	83.61	84.00	528660	1.56	1.55	14.9	14.8
25Y96H	WET E	BASE	96.01	83.61	84.00	528667	1.56	1.55	14.9	14.8
25Y96H	WET K	BASE	95.50	83.60	84.00	407713	0.95	0.94	11.2	-5.4
25Y96H	WET K	BASE	95.76	83.60	84.00	407714	0.95	0.94	11.2	-5.3
25Y96H	WET K	BASE	96.01	83.60	84.00	407715	0.95	0.94	11.2	-5.3

TAB 5: POST-DEVELOPMENT ICPR

INPUT

```
================================================================================
==== Basins ====================================================================
================================================================================

        Name: B2-1                    Node: WET B                  Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod               Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                 Time of Conc(min): 33.00
              Area(ac): 2.900                   Time Shift(hrs): 0.00
         Curve Number: 30.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: BASIN 1                 Node: P-D2-2                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod               Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                 Time of Conc(min): 15.00
              Area(ac): 12.460                  Time Shift(hrs): 0.00
         Curve Number: 67.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: BASIN 11                Node: P-W3-3                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod               Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                 Time of Conc(min): 15.00
              Area(ac): 15.290                  Time Shift(hrs): 0.00
         Curve Number: 64.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: BASIN 12                Node: P-W3-4                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod               Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                 Time of Conc(min): 15.00
              Area(ac): 23.240                  Time Shift(hrs): 0.00
         Curve Number: 61.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: BASIN 14                Node: P-D1-4                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod               Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                 Time of Conc(min): 15.00
              Area(ac): 5.860                   Time Shift(hrs): 0.00
         Curve Number: 57.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: BASIN 15                Node: P-D1-2                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod               Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200                 Time of Conc(min): 15.00
              Area(ac): 13.940                  Time Shift(hrs): 0.00
         Curve Number: 61.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------
        Name: BASIN 17                Node: P-D1-1                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
```

```
         Rainfall File: Flmod              Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200               Time of Conc(min): 15.00
              Area(ac): 19.040                 Time Shift(hrs): 0.00
          Curve Number: 61.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: BASIN 18                Node: P-W4-1                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200               Time of Conc(min): 15.00
              Area(ac): 17.040                 Time Shift(hrs): 0.00
          Curve Number: 65.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: BASIN 19                Node: P-W4-2                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200               Time of Conc(min): 15.00
              Area(ac): 16.790                 Time Shift(hrs): 0.00
          Curve Number: 64.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: BASIN 20                Node: P-W4-2                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200               Time of Conc(min): 15.00
              Area(ac): 20.950                 Time Shift(hrs): 0.00
          Curve Number: 65.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: BASIN 23                Node: P-D4-1                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200               Time of Conc(min): 15.00
              Area(ac): 12.670                 Time Shift(hrs): 0.00
          Curve Number: 60.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: BASIN 5                 Node: P-D2-1                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200               Time of Conc(min): 15.00
              Area(ac): 8.050                  Time Shift(hrs): 0.00
          Curve Number: 67.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: BASIN 7                 Node: P-W3-1                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200               Time of Conc(min): 15.00
              Area(ac): 7.440                  Time Shift(hrs): 0.00
          Curve Number: 58.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
```

```
        Name: BASIN 8                 Node: P-W3-2                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod            Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200              Time of Conc(min): 15.00
            Area(ac): 10.070                Time Shift(hrs): 0.00
        Curve Number: 63.00            Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: C1                      Node: WET C                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod            Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200              Time of Conc(min): 67.00
            Area(ac): 7.090                 Time Shift(hrs): 0.00
        Curve Number: 30.00            Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: C2                      Node: WET C                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod            Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200              Time of Conc(min): 57.00
            Area(ac): 11.840                Time Shift(hrs): 0.00
        Curve Number: 34.00            Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: C3                      Node: C3                    Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod            Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200              Time of Conc(min): 56.00
            Area(ac): 11.260                Time Shift(hrs): 0.00
        Curve Number: 35.00            Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: G2                      Node: WET G2                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod            Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200              Time of Conc(min): 52.00
            Area(ac): 15.760                Time Shift(hrs): 0.00
        Curve Number: 32.00            Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: H1                      Node: DUMMY                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod            Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200              Time of Conc(min): 59.00
            Area(ac): 8.680                 Time Shift(hrs): 0.00
        Curve Number: 31.00            Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: OFF A                   Node: WET A                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod            Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200              Time of Conc(min): 56.00
            Area(ac): 24.840                Time Shift(hrs): 0.00
        Curve Number: 37.00            Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
        Name: OFF B                  Node: WET B                 Status: Onsite
       Group: BASE                   Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod           Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200             Time of Conc(min): 71.00
            Area(ac): 14.950               Time Shift(hrs): 0.00
        Curve Number: 30.00           Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
        Name: OFF B2                 Node: OFF B2                Status: Onsite
       Group: BASE                   Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod           Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200             Time of Conc(min): 55.00
            Area(ac): 8.070               Time Shift(hrs): 0.00
        Curve Number: 30.00           Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
        Name: OFF B3                 Node: OFF B3                Status: Onsite
       Group: BASE                   Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod           Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200             Time of Conc(min): 61.00
            Area(ac): 21.250               Time Shift(hrs): 0.00
        Curve Number: 40.00           Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
        Name: OFF F                  Node: WET F                 Status: Onsite
       Group: BASE                   Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod           Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200             Time of Conc(min): 65.00
            Area(ac): 4.500               Time Shift(hrs): 0.00
        Curve Number: 30.00           Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
        Name: OFF G1                 Node: WET G1                Status: Onsite
       Group: BASE                   Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod           Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200             Time of Conc(min): 37.00
            Area(ac): 1.080               Time Shift(hrs): 0.00
        Curve Number: 30.00           Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
        Name: OFF G2                 Node: WET G2                Status: Onsite
       Group: BASE                   Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod           Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200             Time of Conc(min): 88.00
            Area(ac): 66.910               Time Shift(hrs): 0.00
        Curve Number: 57.00           Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
        Name: OFF J1                 Node: WET J                 Status: Onsite
       Group: BASE                   Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                 Peaking Factor: 323.0
         Rainfall File: Flmod           Storm Duration(hrs): 30.00
```

```
    Rainfall Amount(in): 7.200                Time of Conc(min): 47.00
              Area(ac): 4.110                   Time Shift(hrs): 0.00
          Curve Number: 30.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: OFF K                    Node: WET K                  Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod                Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200                Time of Conc(min): 37.00
              Area(ac): 19.370                  Time Shift(hrs): 0.00
          Curve Number: 54.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: SE OFF                   Node: WET Z                  Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod                Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200                Time of Conc(min): 41.00
              Area(ac): 68.420                  Time Shift(hrs): 0.00
          Curve Number: 32.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: WET A                    Node: WET A                  Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod                Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200                Time of Conc(min): 124.00
              Area(ac): 6.750                   Time Shift(hrs): 0.00
          Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: WET B                    Node: WET B                  Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod                Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200                Time of Conc(min): 129.00
              Area(ac): 16.060                  Time Shift(hrs): 0.00
          Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: WET C                    Node: WET C                  Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod                Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200                Time of Conc(min): 122.00
              Area(ac): 15.030                  Time Shift(hrs): 0.00
          Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: WET D                    Node: WET D                  Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod                Storm Duration(hrs): 30.00
    Rainfall Amount(in): 7.200                Time of Conc(min): 126.00
              Area(ac): 68.660                  Time Shift(hrs): 0.00
          Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: WET E                    Node: WET E                  Status: Onsite
```

Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 128.00
Area(ac): 11.610 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET F Node: WET F Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 115.00
Area(ac): 3.870 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET G1 Node: WET G1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 123.00
Area(ac): 15.190 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET G2 Node: WET G2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 122.00
Area(ac): 11.730 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET G3 Node: WET G3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 116.00
Area(ac): 3.670 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET J Node: WET J Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 110.00
Area(ac): 2.300 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WET K Node: WET K Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 30.00
Rainfall Amount(in): 7.200 Time of Conc(min): 63.00
Area(ac): 2.440 Time Shift(hrs): 0.00
Curve Number: 98.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

```
------------------------------------------------------------------------------------------------
        Name: WET Z                   Node: WET Z                 Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod             Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200               Time of Conc(min): 146.00
           Area(ac): 23.110                   Time Shift(hrs): 0.00
       Curve Number: 98.00              Max Allowable Q(cfs): 999999.000
            DCIA(%): 0.00


------------------------------------------------------------------------------------------------
        Name: WET Z1                  Node: WET Z1                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod             Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200               Time of Conc(min): 48.00
           Area(ac): 2.070                    Time Shift(hrs): 0.00
       Curve Number: 98.00              Max Allowable Q(cfs): 999999.000
            DCIA(%): 0.00


------------------------------------------------------------------------------------------------
        Name: Z1                      Node: WET Z1                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                  Peaking Factor: 323.0
         Rainfall File: Flmod             Storm Duration(hrs): 30.00
   Rainfall Amount(in): 7.200               Time of Conc(min): 62.00
           Area(ac): 52.440                   Time Shift(hrs): 0.00
       Curve Number: 32.00              Max Allowable Q(cfs): 999999.000
            DCIA(%): 0.00


================================================================================================
==== Nodes =====================================================================================
================================================================================================

     Name: C3                 Base Flow(cfs): 0.000          Init Stage(ft): 84.500
    Group: BASE                                             Warn Stage(ft): 86.000
     Type: Stage/Area


     Stage(ft)        Area(ac)
-------------- ---------------
        84.500          0.0300
        85.000          0.3000
        86.000          1.2600

------------------------------------------------------------------------------------------------
     Name: DUMMY              Base Flow(cfs): 0.000          Init Stage(ft): 81.000
    Group: BASE                                             Warn Stage(ft): 84.000
     Type: Stage/Area


     Stage(ft)        Area(ac)
-------------- ---------------
        79.000          0.6700
        82.000          0.6700
        84.000          0.6700

------------------------------------------------------------------------------------------------
     Name: OFF B2             Base Flow(cfs): 0.000          Init Stage(ft): 84.000
    Group: BASE                                             Warn Stage(ft): 85.000
     Type: Stage/Area


     Stage(ft)        Area(ac)
-------------- ---------------
        84.000          0.0010
        84.500          0.2300
        85.000          0.4200

------------------------------------------------------------------------------------------------
     Name: OFF B3             Base Flow(cfs): 0.000          Init Stage(ft): 84.000
    Group: BASE                                             Warn Stage(ft): 85.000
     Type: Stage/Area
```

Stage(ft)	Area(ac)
84.000	0.0010
84.500	2.2700
85.000	2.8600

Name: OUTFALL Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 82.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	81.000
336.00	81.000

Name: P-B1-1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	1.4600
84.500	2.0600
85.500	2.4500

Name: P-B2-1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	1.0000
84.500	1.6500
85.500	2.0600

Name: P-B4-1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	2.4600
84.000	3.0600
85.000	3.4700

Name: P-D1-1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	1.6500
84.000	2.1800
85.000	2.5500

Name: P-D1-2 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.4400
86.000	0.9300
87.000	1.1800

Name: P-D1-3 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.7400
86.000	1.2600
87.000	1.4900

Name: P-D1-4 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.5000
85.000	1.0000
86.000	1.1000

Name: P-D2-1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.500
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	1.0000
84.500	1.6500
85.500	2.0600

Name: P-D2-2 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 86.100
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.2600
85.000	1.2100
86.100	1.8000

Name: P-D4-1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.2300
84.000	0.4500
85.000	0.6200

Name: P-W3-1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.4500
84.000	0.6900
85.000	0.8800

Name: P-W3-2 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	1.6000

84.000	2.1900
85.000	2.6000

Name: P-W3-3 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	1.8500
84.000	2.3500
85.000	2.7000

Name: P-W3-4 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	1.6000
84.500	2.9500
85.500	3.7600

Name: P-W4-1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	1.5600
84.000	2.0000
85.000	2.3100

Name: P-W4-2 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 86.400
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	2.3900
85.400	3.4600
86.400	3.9700

Name: WET A Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	7.7500
82.000	8.0100
83.000	8.2900
84.000	9.0400
84.500	9.7500

Name: WET B Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	14.4200
82.000	14.8200
83.000	15.1400
84.000	15.9700
84.500	16.4500

Name: WET C Base Flow(cfs): 0.000 Init Stage(ft): 81.000

Group: BASE Warn Stage(ft): 84.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	12.9700
82.000	13.2600
83.000	13.6100
84.000	14.0100
84.500	14.6600

Name: WET D Base Flow(cfs): 0.000 Init Stage(ft): 83.600
Group: BASE Warn Stage(ft): 84.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	83.600
336.00	83.600

Name: WET E Base Flow(cfs): 0.000 Init Stage(ft): 83.600
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	9.5000
82.000	10.1500
83.000	10.8000
83.600	12.0300
84.000	16.0500

Name: WET F Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	2.0000
82.000	3.2000
83.000	3.3100
84.000	4.8600
84.050	4.9000

Name: WET G1 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	12.1000
82.000	12.6600
83.000	14.6800
84.000	23.7700

Name: WET G2 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
79.500	0.0500
80.000	8.8900
81.000	17.7700
83.000	21.2400
84.000	34.3800

Name: WET G3 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.500

Type: Stage/Area

Stage(ft)	Area(ac)
81.000	2.5300
82.000	2.7000
83.000	2.8800
84.000	3.7600
85.000	5.3900

Name: WET J Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	1.6200
82.000	1.6800
83.000	1.8100
84.000	3.1800

Name: WET K Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	5.1000
82.000	5.9100
83.000	6.5200
84.000	11.2200

Name: WET Z Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	15.0900
85.000	21.2900

Name: WET Z1 Base Flow(cfs): 0.000 Init Stage(ft): 83.000
Group: BASE Warn Stage(ft): 85.000
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.5300
85.000	0.7100

==========
==== Pipes ==========
==========

Name: A-B From Node: WET A Length(ft): 36.00
Group: BASE To Node: WET B Count: 1
Friction Equation: Average Conveyance
Solution Algorithm: Automatic
Flow: Both
Entrance Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dn
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	24.00	24.00
Rise(in):	24.00	24.00
Invert(ft):	80.900	80.620
Manning's N:	0.025000	0.025000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: B-C	From Node: WET B	Length(ft): 36.00	
Group: BASE	To Node: WET C	Count: 1	
		Friction Equation: Average Conveyance	
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Circular	Circular	Flow: Both
Span(in):	24.00	24.00	Entrance Loss Coef: 0.90
Rise(in):	24.00	24.00	Exit Loss Coef: 1.00
Invert(ft):	80.710	80.460	Bend Loss Coef: 0.00
Manning's N:	0.025000	0.025000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: C-Z	From Node: WET C	Length(ft): 60.00	
Group: BASE	To Node: WET Z	Count: 1	
		Friction Equation: Average Conveyance	
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Rectangular	Rectangular	Flow: Both
Span(in):	48.00	48.00	Entrance Loss Coef: 0.50
Rise(in):	48.00	48.00	Exit Loss Coef: 1.00
Invert(ft):	77.830	77.350	Bend Loss Coef: 0.00
Manning's N:	0.017000	0.017000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	12.000	12.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Name: E-D	From Node: WET E	Length(ft): 20.00	
Group: BASE	To Node: WET D	Count: 1	
		Friction Equation: Average Conveyance	
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Circular	Circular	Flow: Both
Span(in):	24.00	24.00	Entrance Loss Coef: 0.90
Rise(in):	24.00	24.00	Exit Loss Coef: 1.00
Invert(ft):	80.960	80.940	Bend Loss Coef: 0.00
Manning's N:	0.025000	0.025000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Name: G2 OUT	From Node: WET G2	Length(ft): 65.00	
Group: BASE	To Node: OUTFALL	Count: 1	
		Friction Equation: Average Conveyance	
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Circular	Circular	Flow: Both
Span(in):	30.00	30.00	Entrance Loss Coef: 0.50
Rise(in):	30.00	30.00	Exit Loss Coef: 1.00
Invert(ft):	77.600	77.260	Bend Loss Coef: 0.00
Manning's N:	0.025000	0.025000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	12.000	12.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-K-D	From Node:	WET K	Length(ft): 24.00
Group:	BASE	To Node:	WET D	Count: 1
				Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Automatic
Geometry:	Circular	Circular		Flow: Both
Span(in):	24.00	24.00		Entrance Loss Coef: 0.90
Rise(in):	24.00	24.00		Exit Loss Coef: 1.00
Invert(ft):	81.450	81.250		Bend Loss Coef: 0.00
Manning's N:	0.025000	0.025000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Name:	WET G1-G2	From Node:	WET G1	Length(ft): 500.00
Group:	BASE	To Node:	WET G2	Count: 1
				Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Automatic
Geometry:	Circular	Circular		Flow: Both
Span(in):	24.00	24.00		Entrance Loss Coef: 0.50
Rise(in):	24.00	24.00		Exit Loss Coef: 1.00
Invert(ft):	79.480	79.210		Bend Loss Coef: 0.00
Manning's N:	0.025000	0.025000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Name:	WETZ-DUMMY	From Node:	WET Z	Length(ft): 65.00
Group:	BASE	To Node:	DUMMY	Count: 1
				Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Automatic
Geometry:	Rectangular	Rectangular		Flow: Both
Span(in):	72.00	72.00		Entrance Loss Coef: 0.50
Rise(in):	48.00	48.00		Exit Loss Coef: 1.00
Invert(ft):	77.580	77.420		Bend Loss Coef: 0.00
Manning's N:	0.017000	0.017000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dn
Bot Clip(in):	12.000	12.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

==========
==== Drop Structures ==========
==========

Name:	DS3-1	From Node:	P-W3-1	Length(ft): 100.00
Group:	BASE	To Node:	WET F	Count: 1
	UPSTREAM	DOWNSTREAM		Friction Equation: Automatic
Geometry:	Circular	Circular		Solution Algorithm: Most Restrictive
Span(in):	36.00	36.00		Flow: Both

```
     Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.000
   Invert(ft): 77.000         76.500                       Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 3 for Drop Structure DS3-1 ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 81.000
              Rise(in): 3.00                 Control Elev(ft): 81.000

*** Weir 2 of 3 for Drop Structure DS3-1 ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 15.00                       Invert(ft): 84.000
              Rise(in): 999.00               Control Elev(ft): 84.000

*** Weir 3 of 3 for Drop Structure DS3-1 ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 85.000
              Rise(in): 54.00                Control Elev(ft): 85.000


-----------------------------------------------------------------------------------------------
         Name: DS3-2               From Node: P-W3-2            Length(ft): 100.00
        Group: BASE                  To Node: WET J                 Count: 1

              UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                Flow: Both
     Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.000
   Invert(ft): 77.000         76.500                       Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 3 for Drop Structure DS3-2 ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 81.000
              Rise(in): 3.00                 Control Elev(ft): 81.000

*** Weir 2 of 3 for Drop Structure DS3-2 ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 15.00                       Invert(ft): 84.000
              Rise(in): 999.00               Control Elev(ft): 84.000

*** Weir 3 of 3 for Drop Structure DS3-2 ***
```

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Horizontal Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 36.00 Invert(ft): 85.000
Rise(in): 54.00 Control Elev(ft): 85.000

Name: DS3-3 From Node: P-W3-3 Length(ft): 100.00
Group: BASE To Node: WET G1 Count: 1

	UPSTREAM	DOWNSTREAM		
			Friction Equation:	Automatic
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	36.00	36.00	Flow:	Both
Rise(in):	36.00	36.00	Entrance Loss Coef:	0.000
Invert(ft):	77.000	76.500	Exit Loss Coef:	1.000
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 3 for Drop Structure DS3-3 ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Vertical: Mavis Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Circular Orifice Disc Coef: 0.600

Span(in): 3.00 Invert(ft): 81.000
Rise(in): 3.00 Control Elev(ft): 81.000

*** Weir 2 of 3 for Drop Structure DS3-3 ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Vertical: Mavis Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 15.00 Invert(ft): 84.000
Rise(in): 999.00 Control Elev(ft): 84.000

*** Weir 3 of 3 for Drop Structure DS3-3 ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Horizontal Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 36.00 Invert(ft): 85.000
Rise(in): 54.00 Control Elev(ft): 85.000

Name: DS3-4 From Node: P-W3-4 Length(ft): 100.00
Group: BASE To Node: WET G1 Count: 1

	UPSTREAM	DOWNSTREAM		
			Friction Equation:	Automatic
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	36.00	36.00	Flow:	Both
Rise(in):	36.00	36.00	Entrance Loss Coef:	0.000
Invert(ft):	77.000	76.500	Exit Loss Coef:	1.000
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 3 for Drop Structure DS3-4 ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Vertical: Mavis Top Clip(in): 0.000

```
                Flow: Both                    Weir Disc Coef: 3.200
            Geometry: Circular              Orifice Disc Coef: 0.600

            Span(in): 3.00                        Invert(ft): 81.000
            Rise(in): 3.00                 Control Elev(ft): 81.000

*** Weir 2 of 3 for Drop Structure DS3-4 ***
                                                                  TABLE
               Count: 1                     Bottom Clip(in): 0.000
                Type: Vertical: Mavis          Top Clip(in): 0.000
                Flow: Both                   Weir Disc Coef: 3.200
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 15.00                       Invert(ft): 84.500
            Rise(in): 999.00               Control Elev(ft): 84.500

*** Weir 3 of 3 for Drop Structure DS3-4 ***
                                                                  TABLE
               Count: 1                     Bottom Clip(in): 0.000
                Type: Horizontal               Top Clip(in): 0.000
                Flow: Both                   Weir Disc Coef: 3.200
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 36.00                       Invert(ft): 85.500
            Rise(in): 54.00                Control Elev(ft): 85.500


-------------------------------------------------------------------------------------------------
        Name: DS4-1               From Node: P-W4-1            Length(ft): 100.00
       Group: BASE                  To Node: WET B                 Count: 1

              UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
    Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
    Span(in): 36.00          36.00                                Flow: Both
    Rise(in): 36.00          36.00                   Entrance Loss Coef: 0.000
  Invert(ft): 77.000         76.500                      Exit Loss Coef: 1.000
 Manning's N: 0.012000       0.012000                  Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                        Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 3 for Drop Structure DS4-1 ***
                                                                  TABLE
               Count: 1                     Bottom Clip(in): 0.000
                Type: Vertical: Mavis          Top Clip(in): 0.000
                Flow: Both                   Weir Disc Coef: 3.200
            Geometry: Circular              Orifice Disc Coef: 0.600

            Span(in): 3.00                        Invert(ft): 81.000
            Rise(in): 3.00                 Control Elev(ft): 81.000

*** Weir 2 of 3 for Drop Structure DS4-1 ***
                                                                  TABLE
               Count: 1                     Bottom Clip(in): 0.000
                Type: Vertical: Mavis          Top Clip(in): 0.000
                Flow: Both                   Weir Disc Coef: 3.200
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 15.00                       Invert(ft): 84.000
            Rise(in): 999.00               Control Elev(ft): 84.000

*** Weir 3 of 3 for Drop Structure DS4-1 ***
                                                                  TABLE
               Count: 1                     Bottom Clip(in): 0.000
                Type: Horizontal               Top Clip(in): 0.000
                Flow: Both                   Weir Disc Coef: 3.200
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 36.00                       Invert(ft): 85.000
            Rise(in): 54.00                Control Elev(ft): 85.000


-------------------------------------------------------------------------------------------------
        Name: DS4-2               From Node: P-W4-2            Length(ft): 100.00
       Group: BASE                  To Node: WET A                 Count: 1

              UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
    Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
    Span(in): 36.00          36.00                                Flow: Both
    Rise(in): 36.00          36.00                   Entrance Loss Coef: 0.000
```

Invert(ft):	77.000	76.500	Exit Loss Coef: 1.000
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 3 for Drop Structure DS4-2 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Circular	Orifice Disc Coef:	0.600
Span(in):	3.00	Invert(ft):	81.000
Rise(in):	3.00	Control Elev(ft):	81.000

*** Weir 2 of 3 for Drop Structure DS4-2 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	15.00	Invert(ft):	82.500
Rise(in):	999.00	Control Elev(ft):	82.500

*** Weir 3 of 3 for Drop Structure DS4-2 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	36.00	Invert(ft):	86.400
Rise(in):	54.00	Control Elev(ft):	86.400

Name:	E-WETF	From Node: WET F	Length(ft): 200.00
Group:	BASE	To Node: WET G1	Count: 1

	UPSTREAM	DOWNSTREAM		
			Friction Equation:	Automatic
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	36.00	36.00	Flow:	Both
Rise(in):	36.00	36.00	Entrance Loss Coef:	0.000
Invert(ft):	76.000	75.500	Exit Loss Coef:	1.000
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 1 for Drop Structure E-WETF ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	54.00	Invert(ft):	81.000
Rise(in):	30.00	Control Elev(ft):	81.000

Name:	E-WETG	From Node: WET G3	Length(ft): 100.00
Group:	BASE	To Node: P-W3-4	Count: 1

	UPSTREAM	DOWNSTREAM		
			Friction Equation:	Automatic
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	36.00	36.00	Flow:	Both
Rise(in):	36.00	36.00	Entrance Loss Coef:	0.000
Invert(ft):	76.000	75.500	Exit Loss Coef:	1.000
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc

Bot Clip(in): 0.000 0.000 Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 1 for Drop Structure E-WETG ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Horizontal Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 54.00 Invert(ft): 81.000
Rise(in): 30.00 Control Elev(ft): 81.000

Name: E-WETJ From Node: WET J Length(ft): 600.00
Group: BASE To Node: WET G1 Count: 1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Automatic
Span(in):	36.00	36.00	Solution Algorithm:	Most Restrictive
Rise(in):	36.00	36.00	Flow:	Both
Invert(ft):	76.000	75.500	Entrance Loss Coef:	0.000
Manning's N:	0.012000	0.012000	Exit Loss Coef:	1.000
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 1 for Drop Structure E-WETJ ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Horizontal Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 54.00 Invert(ft): 81.000
Rise(in): 30.00 Control Elev(ft): 81.000

Name: H1-1 From Node: P-B1-1 Length(ft): 100.00
Group: BASE To Node: WET D Count: 1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Automatic
Span(in):	48.00	48.00	Solution Algorithm:	Most Restrictive
Rise(in):	48.00	48.00	Flow:	Both
Invert(ft):	76.000	75.500	Entrance Loss Coef:	0.000
Manning's N:	0.012000	0.012000	Exit Loss Coef:	1.000
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 1 for Drop Structure H1-1 ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Horizontal Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 79.00 Invert(ft): 81.000
Rise(in): 36.00 Control Elev(ft): 81.000

Name: H2-1 From Node: P-B2-1 Length(ft): 100.00

```
        Group: BASE                 To Node: WET D                  Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.000
   Invert(ft): 76.000         75.500                        Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 1 for Drop Structure H2-1 ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
               Geometry: Rectangular          Orifice Disc Coef: 0.600

               Span(in): 79.00                       Invert(ft): 81.000
               Rise(in): 36.00                 Control Elev(ft): 81.000


-------------------------------------------------------------------------------------------------
         Name: H4-1-E              From Node: P-B4-1             Length(ft): 100.00
        Group: BASE                  To Node: WET B                  Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.000
   Invert(ft): 76.000         75.500                        Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 1 for Drop Structure H4-1-E ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
               Geometry: Rectangular          Orifice Disc Coef: 0.600

               Span(in): 79.00                       Invert(ft): 81.000
               Rise(in): 36.00                 Control Elev(ft): 81.000


-------------------------------------------------------------------------------------------------
         Name: H4-1-W              From Node: P-B4-1             Length(ft): 100.00
        Group: BASE                  To Node: WET A                  Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.000
   Invert(ft): 76.000         75.500                        Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 1 for Drop Structure H4-1-W ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
```

```
                Flow: Both                    Weir Disc Coef: 3.200
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 79.00                       Invert(ft): 81.000
            Rise(in): 36.00                 Control Elev(ft): 81.000


================================================================================================
==== Weirs =====================================================================================
================================================================================================

        Name: A--B               From Node: WET A
       Group: BASE                 To Node: WET B
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                  Span(in): 4200.00
                  Rise(in): 9999.00
                Invert(ft): 84.500
     Control Elevation(ft): 84.500
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.000
    Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
        Name: C3-WETC            From Node: C3
       Group: BASE                 To Node: WET C
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Trapezoidal

           Bottom Width(ft): 10.00
      Left Side Slope(h/v): 50.00
     Right Side Slope(h/v): 50.00
                Invert(ft): 85.050
     Control Elevation(ft): 85.050
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 3.000
    Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
        Name: DUM-WET G1         From Node: DUMMY
       Group: BASE                 To Node: WET G1
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Trapezoidal

           Bottom Width(ft): 6.00
      Left Side Slope(h/v): 35.00
     Right Side Slope(h/v): 35.00
                Invert(ft): 80.900
     Control Elevation(ft): 80.900
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
        Name: OB2-WETB           From Node: OFF B2
       Group: BASE                 To Node: WET B
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                  Span(in): 600.00
                  Rise(in): 9999.00
                Invert(ft): 84.500
     Control Elevation(ft): 84.500
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.000
    Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
```

```
        Name: OB3-OB2             From Node: OFF B3
       Group: BASE                  To Node: OFF B2
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 3420.00
                  Rise(in): 9999.00
                Invert(ft): 84.500
     Control Elevation(ft): 84.500
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.000
    Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------------
        Name: W1-1                From Node: P-D1-1
       Group: BASE                  To Node: WET D
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Trapezoidal

           Bottom Width(ft): 25.00
      Left Side Slope(h/v): 3.00
     Right Side Slope(h/v): 3.00
                Invert(ft): 85.500
     Control Elevation(ft): 85.500
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------------
        Name: W1-2                From Node: P-D1-2
       Group: BASE                  To Node: WET E
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Trapezoidal

           Bottom Width(ft): 25.00
      Left Side Slope(h/v): 3.00
     Right Side Slope(h/v): 3.00
                Invert(ft): 86.500
     Control Elevation(ft): 86.500
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------------
        Name: W1-3                From Node: P-D1-3
       Group: BASE                  To Node: WET E
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Trapezoidal

           Bottom Width(ft): 25.00
      Left Side Slope(h/v): 3.00
     Right Side Slope(h/v): 3.00
                Invert(ft): 86.500
     Control Elevation(ft): 86.500
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------------
        Name: W1-4                From Node: P-D1-4
       Group: BASE                  To Node: WET G3
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Trapezoidal

           Bottom Width(ft): 25.00
      Left Side Slope(h/v): 3.00
     Right Side Slope(h/v): 3.00
                Invert(ft): 84.500
```

```
 Control Elevation(ft): 84.500
Struct Opening Dim(ft): 9999.00
                                    TABLE
      Bottom Clip(ft): 0.000
         Top Clip(ft): 0.000
   Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
   Name: W2-1               From Node: P-D2-1
  Group: BASE                 To Node: WET E
   Flow: Both                   Count: 1
   Type: Vertical: Mavis     Geometry: Trapezoidal

      Bottom Width(ft): 25.00
 Left Side Slope(h/v): 3.00
Right Side Slope(h/v): 3.00
          Invert(ft): 85.000
 Control Elevation(ft): 85.000
Struct Opening Dim(ft): 9999.00
                                    TABLE
      Bottom Clip(ft): 0.000
         Top Clip(ft): 0.000
   Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
   Name: W2-2               From Node: P-D2-2
  Group: BASE                 To Node: WET D
   Flow: Both                   Count: 1
   Type: Vertical: Mavis     Geometry: Trapezoidal

      Bottom Width(ft): 25.00
 Left Side Slope(h/v): 3.00
Right Side Slope(h/v): 3.00
          Invert(ft): 85.500
 Control Elevation(ft): 85.500
Struct Opening Dim(ft): 9999.00
                                    TABLE
      Bottom Clip(ft): 0.000
         Top Clip(ft): 0.000
   Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
   Name: W4-1               From Node: P-D4-1
  Group: BASE                 To Node: WET B
   Flow: Both                   Count: 1
   Type: Vertical: Mavis     Geometry: Trapezoidal

      Bottom Width(ft): 25.00
 Left Side Slope(h/v): 3.00
Right Side Slope(h/v): 3.00
          Invert(ft): 83.500
 Control Elevation(ft): 83.500
Struct Opening Dim(ft): 9999.00
                                    TABLE
      Bottom Clip(ft): 0.000
         Top Clip(ft): 0.000
   Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------------
   Name: WETZ1-Z            From Node: WET Z1
  Group: BASE                 To Node: WET Z
   Flow: Both                   Count: 1
   Type: Vertical: Fread     Geometry: Rectangular

            Span(in): 1200.00
            Rise(in): 9999.00
          Invert(ft): 85.500
 Control Elevation(ft): 85.500
                                    TABLE
      Bottom Clip(in): 0.000
         Top Clip(in): 0.000
   Weir Discharge Coef: 3.000
Orifice Discharge Coef: 0.600
```

```
================================================================================
==== Hydrology Simulations =====================================================
================================================================================

         Name: 100Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\100Y24H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 30.00
          Rainfall File: Flmod
    Rainfall Amount(in): 10.40

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

--------------------------------------------------------------------------------------------------------
         Name: 10Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\10Y24H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 30.00
          Rainfall File: Flmod
    Rainfall Amount(in): 7.20

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

--------------------------------------------------------------------------------------------------------
         Name: 25Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\25Y24H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 30.00
          Rainfall File: Flmod
    Rainfall Amount(in): 8.40

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

--------------------------------------------------------------------------------------------------------
         Name: 25Y96H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\25Y96H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 100.00
          Rainfall File: Sjrwmd96
    Rainfall Amount(in): 11.70

Time(hrs)       Print Inc(min)
--------------- ---------------
100.000         5.00

--------------------------------------------------------------------------------------------------------
         Name: MA
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\MA.R32

      Override Defaults: Yes
    Storm Duration(hrs): 30.00
          Rainfall File: Flmod
    Rainfall Amount(in): 4.50

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

================================================================================
==== Routing Simulations =======================================================
================================================================================

         Name: 100Y24H            Hydrology Sim: 100Y24H
     Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\100Y24H.I32

      Execute: Yes         Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 30.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:
```

Time(hrs) Print Inc(min)
--- ---
999.000 15.000

Group Run
--- ---
BASE Yes

Name: 10Y24H Hydrology Sim: 10Y24H
Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\10Y24H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
--- ---
999.000 15.000

Group Run
--- ---
BASE Yes

Name: 25Y24H Hydrology Sim: 25Y24H
Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\25Y24H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
--- ---
999.000 15.000

Group Run
--- ---
BASE Yes

Name: 25Y96H Hydrology Sim: 25Y96H
Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\25Y96H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 100.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
--- ---
999.000 15.000

Group Run
--- ---
BASE Yes

Name: MA Hydrology Sim: MA
Filename: J:\21\21-04-0008 Preserve at Howey\Design\Calcs\Drainage\ICPR\POST\MA.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

RESULTS

```
            Basin Name: B2-1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.40
   Comp Time Inc (min): 4.40
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 33.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.001
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.55
       Flow Max (cfs): 0.78
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 11908


--------------------------------------------------------------------------------

            Basin Name: BASIN 1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-D2-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 12.460
  Vol of Unit Hyd (in): 1.000
          Curve Number: 67.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 45.38
    Runoff Volume (in): 6.184
   Runoff Volume (ft3): 279695


--------------------------------------------------------------------------------

            Basin Name: BASIN 11
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-W3-3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 15.290
  Vol of Unit Hyd (in): 1.000
          Curve Number: 64.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 52.04
    Runoff Volume (in): 5.776
   Runoff Volume (ft3): 320582


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 12
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-W3-4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 23.240
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 73.32
    Runoff Volume (in): 5.365
   Runoff Volume (ft3): 452581


--------------------------------------------------------------------------------

            Basin Name: BASIN 14
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-D1-4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 5.860
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 16.47
    Runoff Volume (in): 4.812
   Runoff Volume (ft3): 102362


--------------------------------------------------------------------------------

            Basin Name: BASIN 15
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-D1-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 13.940
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 43.98
    Runoff Volume (in): 5.365
   Runoff Volume (ft3): 271471


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 17
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-D1-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 19.040
   Vol of Unit Hyd (in): 1.000
           Curve Number: 61.000
               DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 60.07
     Runoff Volume (in): 5.365
    Runoff Volume (ft3): 370789


--------------------------------------------------------------------------------

            Basin Name: BASIN 18
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-W4-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 17.040
   Vol of Unit Hyd (in): 1.000
           Curve Number: 65.000
               DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 59.37
     Runoff Volume (in): 5.912
    Runoff Volume (ft3): 365708


--------------------------------------------------------------------------------

            Basin Name: BASIN 19
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 16.790
   Vol of Unit Hyd (in): 1.000
           Curve Number: 64.000
               DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 57.14
     Runoff Volume (in): 5.776
    Runoff Volume (ft3): 352032


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 20
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 20.950
   Vol of Unit Hyd (in): 1.000
          Curve Number: 65.000
              DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 72.99
     Runoff Volume (in): 5.912
    Runoff Volume (ft3): 449623


--------------------------------------------------------------------------------

            Basin Name: BASIN 23
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-D4-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 12.670
   Vol of Unit Hyd (in): 1.000
          Curve Number: 60.000
              DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 38.90
     Runoff Volume (in): 5.227
    Runoff Volume (ft3): 240404


--------------------------------------------------------------------------------

            Basin Name: BASIN 5
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-D2-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 8.050
   Vol of Unit Hyd (in): 1.000
          Curve Number: 67.000
              DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 29.32
     Runoff Volume (in): 6.184
    Runoff Volume (ft3): 180702


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 7
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-W3-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 7.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 58.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 21.56
    Runoff Volume (in): 4.951
   Runoff Volume (ft3): 133705


--------------------------------------------------------------------------------

            Basin Name: BASIN 8
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: P-W3-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 10.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 63.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 33.45
    Runoff Volume (in): 5.639
   Runoff Volume (ft3): 206138


--------------------------------------------------------------------------------

            Basin Name: C1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 67.00
      Time Shift (hrs): 0.00
             Area (ac): 7.090
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 1.30
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 29108


--------------------------------------------------------------------------------
```

```
            Basin Name: C2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.60
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 57.00
      Time Shift (hrs): 0.00
             Area (ac): 11.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 4.25
    Runoff Volume (in): 1.638
   Runoff Volume (ft3): 70418


--------------------------------------------------------------------------------

            Basin Name: C3
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 11.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 35.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 4.58
    Runoff Volume (in): 1.770
   Runoff Volume (ft3): 72349


--------------------------------------------------------------------------------

            Basin Name: G2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 15.760
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 4.59
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 78915


--------------------------------------------------------------------------------
```

```
            Basin Name: H1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 8.680
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 2.02
    Runoff Volume (in): 1.253
   Runoff Volume (ft3): 39493


--------------------------------------------------------------------------------

            Basin Name: OFF A
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 24.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 37.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 12.35
    Runoff Volume (in): 2.037
   Runoff Volume (ft3): 183678


--------------------------------------------------------------------------------

            Basin Name: OFF B
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 14.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 2.65
    Runoff Volume (in): 1.130
   Runoff Volume (ft3): 61313


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
              Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 1.66
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 33131


--------------------------------------------------------------------------------

            Basin Name: OFF B3
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.13
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 61.00
      Time Shift (hrs): 0.00
              Area (ac): 21.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 40.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 12.93
    Runoff Volume (in): 2.443
   Runoff Volume (ft3): 188409


--------------------------------------------------------------------------------

            Basin Name: OFF F
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
              Area (ac): 4.500
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.84
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 18476


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF G1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 1.080
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.62
       Flow Max (cfs): 0.27
    Runoff Volume (in): 1.129
   Runoff Volume (ft3): 4427


--------------------------------------------------------------------------------

            Basin Name: OFF G2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 88.00
      Time Shift (hrs): 0.00
             Area (ac): 66.910
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 74.77
    Runoff Volume (in): 4.809
   Runoff Volume (ft3): 1167931


--------------------------------------------------------------------------------

            Basin Name: OFF J1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 47.00
      Time Shift (hrs): 0.00
             Area (ac): 4.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.75
       Flow Max (cfs): 0.92
    Runoff Volume (in): 1.131
   Runoff Volume (ft3): 16879


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF K
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 19.370
  Vol of Unit Hyd (in): 1.000
          Curve Number: 54.000
              DCIA (%): 0.000

       Time Max (hrs): 15.38
       Flow Max (cfs): 32.44
    Runoff Volume (in): 4.390
   Runoff Volume (ft3): 308705


--------------------------------------------------------------------------------

            Basin Name: SE OFF
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 41.00
      Time Shift (hrs): 0.00
             Area (ac): 68.420
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 22.67
    Runoff Volume (in): 1.379
   Runoff Volume (ft3): 342549


--------------------------------------------------------------------------------

            Basin Name: WET A
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.53
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 124.00
      Time Shift (hrs): 0.00
             Area (ac): 6.750
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 11.88
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 248884


--------------------------------------------------------------------------------
```

```
            Basin Name: WET B
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 129.00
      Time Shift (hrs): 0.00
             Area (ac): 16.060
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 27.53
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 592158


--------------------------------------------------------------------------------

            Basin Name: WET C
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
             Area (ac): 15.030
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 26.75
    Runoff Volume (in): 10.159
   Runoff Volume (ft3): 554268


--------------------------------------------------------------------------------

            Basin Name: WET D
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 126.00
      Time Shift (hrs): 0.00
             Area (ac): 68.660
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 119.46
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 2531432


--------------------------------------------------------------------------------
```

```
            Basin Name: WET E
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 128.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 20.00
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 428075


--------------------------------------------------------------------------------

            Basin Name: WET F
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
             Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 7.16
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 142693


--------------------------------------------------------------------------------

            Basin Name: WET G1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
             Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 26.89
    Runoff Volume (in): 10.158
   Runoff Volume (ft3): 560125


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G2
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
            Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 20.88
    Runoff Volume (in): 10.159
   Runoff Volume (ft3): 432573


--------------------------------------------------------------------------------

            Basin Name: WET G3
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
            Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 6.75
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 135317


--------------------------------------------------------------------------------

            Basin Name: WET J
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
            Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 4.38
    Runoff Volume (in): 10.157
   Runoff Volume (ft3): 84804


--------------------------------------------------------------------------------
```

```
            Basin Name: WET K
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
             Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 6.56
    Runoff Volume (in): 10.155
   Runoff Volume (ft3): 89949


--------------------------------------------------------------------------------

            Basin Name: WET Z
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
             Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 36.39
    Runoff Volume (in): 10.156
   Runoff Volume (ft3): 851998


--------------------------------------------------------------------------------

            Basin Name: WET Z1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 48.00
      Time Shift (hrs): 0.00
             Area (ac): 2.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.42
       Flow Max (cfs): 6.46
    Runoff Volume (in): 10.158
   Runoff Volume (ft3): 76328


--------------------------------------------------------------------------------
```

```
            Basin Name: Z1
            Group Name: BASE
            Simulation: 100Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 62.00
      Time Shift (hrs): 0.00
             Area (ac): 52.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 13.79
    Runoff Volume (in): 1.380
   Runoff Volume (ft3): 262623


--------------------------------------------------------------------------------

            Basin Name: B2-1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.40
   Comp Time Inc (min): 4.40
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 33.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.001
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 17.09
       Flow Max (cfs): 0.07
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 2612


--------------------------------------------------------------------------------

            Basin Name: BASIN 1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-D2-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 12.460
  Vol of Unit Hyd (in): 1.000
          Curve Number: 67.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 25.32
    Runoff Volume (in): 3.469
   Runoff Volume (ft3): 156886


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 11
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-W3-3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 15.290
  Vol of Unit Hyd (in): 1.000
          Curve Number: 64.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 28.03
    Runoff Volume (in): 3.156
   Runoff Volume (ft3): 175148


--------------------------------------------------------------------------------

            Basin Name: BASIN 12
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-W3-4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 23.240
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 37.96
    Runoff Volume (in): 2.848
   Runoff Volume (ft3): 240290


--------------------------------------------------------------------------------

            Basin Name: BASIN 14
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-D1-4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 5.860
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 15.10
       Flow Max (cfs): 8.04
    Runoff Volume (in): 2.448
   Runoff Volume (ft3): 52080


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 15
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-D1-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 13.940
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 22.77
    Runoff Volume (in): 2.848
   Runoff Volume (ft3): 144133


--------------------------------------------------------------------------------

            Basin Name: BASIN 17
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-D1-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 19.040
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 31.10
    Runoff Volume (in): 2.848
   Runoff Volume (ft3): 196864


--------------------------------------------------------------------------------

            Basin Name: BASIN 18
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-W4-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 17.040
  Vol of Unit Hyd (in): 1.000
          Curve Number: 65.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 32.37
    Runoff Volume (in): 3.259
   Runoff Volume (ft3): 201609


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 19
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 16.790
  Vol of Unit Hyd (in): 1.000
          Curve Number: 64.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 30.78
    Runoff Volume (in): 3.156
   Runoff Volume (ft3): 192330


--------------------------------------------------------------------------------

            Basin Name: BASIN 20
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 20.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 65.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 39.80
    Runoff Volume (in): 3.259
   Runoff Volume (ft3): 247871


--------------------------------------------------------------------------------

            Basin Name: BASIN 23
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-D4-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 12.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 60.000
              DCIA (%): 0.000

       Time Max (hrs): 15.10
       Flow Max (cfs): 19.86
    Runoff Volume (in): 2.747
   Runoff Volume (ft3): 126352


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 5
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-D2-1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 7.200
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
           Area (ac): 8.050
 Vol of Unit Hyd (in): 1.000
        Curve Number: 67.000
            DCIA (%): 0.000

      Time Max (hrs): 15.07
      Flow Max (cfs): 16.36
   Runoff Volume (in): 3.469
  Runoff Volume (ft3): 101359


--------------------------------------------------------------------------------

            Basin Name: BASIN 7
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-W3-1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 7.200
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
           Area (ac): 7.440
 Vol of Unit Hyd (in): 1.000
        Curve Number: 58.000
            DCIA (%): 0.000

      Time Max (hrs): 15.10
      Flow Max (cfs): 10.70
   Runoff Volume (in): 2.547
  Runoff Volume (ft3): 68793


--------------------------------------------------------------------------------

            Basin Name: BASIN 8
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: P-W3-2
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 7.200
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
           Area (ac): 10.070
 Vol of Unit Hyd (in): 1.000
        Curve Number: 63.000
            DCIA (%): 0.000

      Time Max (hrs): 15.07
      Flow Max (cfs): 17.79
   Runoff Volume (in): 3.053
  Runoff Volume (ft3): 111584


--------------------------------------------------------------------------------
```

```
            Basin Name: C1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 67.00
      Time Shift (hrs): 0.00
              Area (ac): 7.090
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.58
       Flow Max (cfs): 0.15
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 6386


--------------------------------------------------------------------------------

            Basin Name: C2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.60
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 57.00
      Time Shift (hrs): 0.00
              Area (ac): 11.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 0.72
    Runoff Volume (in): 0.484
   Runoff Volume (ft3): 20815


--------------------------------------------------------------------------------

            Basin Name: C3
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
              Area (ac): 11.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 35.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.87
    Runoff Volume (in): 0.551
   Runoff Volume (ft3): 22519


--------------------------------------------------------------------------------
```

```
            Basin Name: G2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 15.760
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 0.58
    Runoff Volume (in): 0.359
   Runoff Volume (ft3): 20558


--------------------------------------------------------------------------------

            Basin Name: H1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 8.680
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 17.50
       Flow Max (cfs): 0.24
    Runoff Volume (in): 0.302
   Runoff Volume (ft3): 9510


--------------------------------------------------------------------------------

            Basin Name: OFF A
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 24.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 37.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 2.86
    Runoff Volume (in): 0.692
   Runoff Volume (ft3): 62366


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 14.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.67
       Flow Max (cfs): 0.30
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 13452


--------------------------------------------------------------------------------

            Basin Name: OFF B2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.33
       Flow Max (cfs): 0.17
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 7269


--------------------------------------------------------------------------------

            Basin Name: OFF B3
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.13
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 61.00
      Time Shift (hrs): 0.00
             Area (ac): 21.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 40.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 3.67
    Runoff Volume (in): 0.918
   Runoff Volume (ft3): 70808


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF F
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
             Area (ac): 4.500
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 18.58
       Flow Max (cfs): 0.09
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 4054


--------------------------------------------------------------------------------

            Basin Name: OFF G1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 1.080
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 17.18
       Flow Max (cfs): 0.02
    Runoff Volume (in): 0.247
   Runoff Volume (ft3): 970


--------------------------------------------------------------------------------

            Basin Name: OFF G2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 88.00
      Time Shift (hrs): 0.00
             Area (ac): 66.910
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 35.89
    Runoff Volume (in): 2.447
   Runoff Volume (ft3): 594225


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF J1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 47.00
      Time Shift (hrs): 0.00
              Area (ac): 4.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 17.83
       Flow Max (cfs): 0.09
    Runoff Volume (in): 0.248
   Runoff Volume (ft3): 3703


--------------------------------------------------------------------------------

            Basin Name: OFF K
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
              Area (ac): 19.370
  Vol of Unit Hyd (in): 1.000
          Curve Number: 54.000
              DCIA (%): 0.000

       Time Max (hrs): 15.38
       Flow Max (cfs): 14.86
    Runoff Volume (in): 2.154
   Runoff Volume (ft3): 151444


--------------------------------------------------------------------------------

            Basin Name: SE OFF
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 41.00
      Time Shift (hrs): 0.00
              Area (ac): 68.420
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 2.72
    Runoff Volume (in): 0.359
   Runoff Volume (ft3): 89238


--------------------------------------------------------------------------------
```

```
            Basin Name: WET A
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 16.53
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 7.200
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 124.00
       Time Shift (hrs): 0.00
              Area (ac): 6.750
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.25
         Flow Max (cfs): 8.20
     Runoff Volume (in): 6.960
    Runoff Volume (ft3): 170530


--------------------------------------------------------------------------------

            Basin Name: WET B
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 17.20
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 7.200
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 129.00
       Time Shift (hrs): 0.00
              Area (ac): 16.060
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.33
         Flow Max (cfs): 19.01
     Runoff Volume (in): 6.960
    Runoff Volume (ft3): 405734


--------------------------------------------------------------------------------

            Basin Name: WET C
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 16.27
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 7.200
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 122.00
       Time Shift (hrs): 0.00
              Area (ac): 15.030
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.25
         Flow Max (cfs): 18.48
     Runoff Volume (in): 6.961
    Runoff Volume (ft3): 379773


--------------------------------------------------------------------------------
```

```
            Basin Name: WET D
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 126.00
      Time Shift (hrs): 0.00
             Area (ac): 68.660
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 82.50
    Runoff Volume (in): 6.959
   Runoff Volume (ft3): 1734482


--------------------------------------------------------------------------------

            Basin Name: WET E
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 128.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 13.81
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 293308


--------------------------------------------------------------------------------

            Basin Name: WET F
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
             Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 4.95
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 97770


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
            Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 18.57
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 383786


--------------------------------------------------------------------------------

            Basin Name: WET G2
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
            Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 14.42
    Runoff Volume (in): 6.961
   Runoff Volume (ft3): 296389


--------------------------------------------------------------------------------

            Basin Name: WET G3
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
            Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 4.66
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 92717


--------------------------------------------------------------------------------
```

```
            Basin Name: WET J
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
             Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 3.03
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 58106


--------------------------------------------------------------------------------

            Basin Name: WET K
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
             Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 4.53
    Runoff Volume (in): 6.958
   Runoff Volume (ft3): 61631


--------------------------------------------------------------------------------

            Basin Name: WET Z
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
             Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 25.13
    Runoff Volume (in): 6.959
   Runoff Volume (ft3): 583770


--------------------------------------------------------------------------------
```

```
            Basin Name: WET Z1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 48.00
      Time Shift (hrs): 0.00
            Area (ac): 2.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.42
       Flow Max (cfs): 4.46
    Runoff Volume (in): 6.960
   Runoff Volume (ft3): 52298


--------------------------------------------------------------------------------

            Basin Name: Z1
            Group Name: BASE
            Simulation: 10Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 7.200
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 62.00
      Time Shift (hrs): 0.00
            Area (ac): 52.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 17.25
       Flow Max (cfs): 1.83
    Runoff Volume (in): 0.359
   Runoff Volume (ft3): 68417


--------------------------------------------------------------------------------

            Basin Name: B2-1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.40
   Comp Time Inc (min): 4.40
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 33.00
      Time Shift (hrs): 0.00
            Area (ac): 2.900
  Vol of Unit Hyd (in): 1.001
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 15.84
       Flow Max (cfs): 0.22
    Runoff Volume (in): 0.515
   Runoff Volume (ft3): 5422


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-D2-2
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
            Area (ac): 12.460
 Vol of Unit Hyd (in): 1.000
        Curve Number: 67.000
            DCIA (%): 0.000

      Time Max (hrs): 15.07
      Flow Max (cfs): 32.70
   Runoff Volume (in): 4.457
  Runoff Volume (ft3): 201603


--------------------------------------------------------------------------------

            Basin Name: BASIN 11
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-W3-3
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
            Area (ac): 15.290
 Vol of Unit Hyd (in): 1.000
        Curve Number: 64.000
            DCIA (%): 0.000

      Time Max (hrs): 15.07
      Flow Max (cfs): 36.80
   Runoff Volume (in): 4.104
  Runoff Volume (ft3): 227811


--------------------------------------------------------------------------------

            Basin Name: BASIN 12
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-W3-4
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
            Area (ac): 23.240
 Vol of Unit Hyd (in): 1.000
        Curve Number: 61.000
            DCIA (%): 0.000

      Time Max (hrs): 15.07
      Flow Max (cfs): 50.79
   Runoff Volume (in): 3.754
  Runoff Volume (ft3): 316693


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 14
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-D1-4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 5.860
   Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 11.05
     Runoff Volume (in): 3.291
    Runoff Volume (ft3): 70010


--------------------------------------------------------------------------------

            Basin Name: BASIN 15
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-D1-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 13.940
   Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 30.46
     Runoff Volume (in): 3.754
    Runoff Volume (ft3): 189961


--------------------------------------------------------------------------------

            Basin Name: BASIN 17
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-D1-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 19.040
   Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 41.61
     Runoff Volume (in): 3.754
    Runoff Volume (ft3): 259459


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 18
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-W4-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 17.040
  Vol of Unit Hyd (in): 1.000
          Curve Number: 65.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 42.26
    Runoff Volume (in): 4.222
   Runoff Volume (ft3): 261144


--------------------------------------------------------------------------------

            Basin Name: BASIN 19
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 16.790
  Vol of Unit Hyd (in): 1.000
          Curve Number: 64.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 40.41
    Runoff Volume (in): 4.104
   Runoff Volume (ft3): 250160


--------------------------------------------------------------------------------

            Basin Name: BASIN 20
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 20.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 65.000
              DCIA (%): 0.000

       Time Max (hrs): 15.07
       Flow Max (cfs): 51.95
    Runoff Volume (in): 4.222
   Runoff Volume (ft3): 321066


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 23
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-D4-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 12.670
   Vol of Unit Hyd (in): 1.000
           Curve Number: 60.000
               DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 26.74
     Runoff Volume (in): 3.638
    Runoff Volume (ft3): 167309


--------------------------------------------------------------------------------

            Basin Name: BASIN 5
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-D2-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 8.050
   Vol of Unit Hyd (in): 1.000
           Curve Number: 67.000
               DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 21.12
     Runoff Volume (in): 4.457
    Runoff Volume (ft3): 130249


--------------------------------------------------------------------------------

            Basin Name: BASIN 7
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-W3-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 7.440
   Vol of Unit Hyd (in): 1.000
           Curve Number: 58.000
               DCIA (%): 0.000

         Time Max (hrs): 15.07
         Flow Max (cfs): 14.59
     Runoff Volume (in): 3.406
    Runoff Volume (ft3): 91996


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 8
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: P-W3-2
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
           Area (ac): 10.070
 Vol of Unit Hyd (in): 1.000
        Curve Number: 63.000
            DCIA (%): 0.000

      Time Max (hrs): 15.07
      Flow Max (cfs): 23.50
   Runoff Volume (in): 3.987
  Runoff Volume (ft3): 145755


--------------------------------------------------------------------------------

            Basin Name: C1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 8.93
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 67.00
     Time Shift (hrs): 0.00
           Area (ac): 7.090
 Vol of Unit Hyd (in): 1.000
        Curve Number: 30.000
            DCIA (%): 0.000

      Time Max (hrs): 16.42
      Flow Max (cfs): 0.40
   Runoff Volume (in): 0.515
  Runoff Volume (ft3): 13254


--------------------------------------------------------------------------------

            Basin Name: C2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.60
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 57.00
     Time Shift (hrs): 0.00
           Area (ac): 11.840
 Vol of Unit Hyd (in): 1.000
        Curve Number: 34.000
            DCIA (%): 0.000

      Time Max (hrs): 15.92
      Flow Max (cfs): 1.72
   Runoff Volume (in): 0.853
  Runoff Volume (ft3): 36660


--------------------------------------------------------------------------------
```

```
            Basin Name: C3
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 11.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 35.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 1.95
    Runoff Volume (in): 0.944
   Runoff Volume (ft3): 38594


--------------------------------------------------------------------------------

            Basin Name: G2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 52.00
      Time Shift (hrs): 0.00
             Area (ac): 15.760
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 15.92
       Flow Max (cfs): 1.63
    Runoff Volume (in): 0.678
   Runoff Volume (ft3): 38763


--------------------------------------------------------------------------------

            Basin Name: H1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.87
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 59.00
      Time Shift (hrs): 0.00
             Area (ac): 8.680
  Vol of Unit Hyd (in): 1.000
          Curve Number: 31.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 0.67
    Runoff Volume (in): 0.594
   Runoff Volume (ft3): 18728


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF A
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 24.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 37.000
              DCIA (%): 0.000

       Time Max (hrs): 15.83
       Flow Max (cfs): 5.74
    Runoff Volume (in): 1.133
   Runoff Volume (ft3): 102161


--------------------------------------------------------------------------------

            Basin Name: OFF B
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 14.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 0.81
    Runoff Volume (in): 0.514
   Runoff Volume (ft3): 27918


--------------------------------------------------------------------------------

            Basin Name: OFF B2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 0.49
    Runoff Volume (in): 0.515
   Runoff Volume (ft3): 15086


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B3
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 8.13
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 61.00
     Time Shift (hrs): 0.00
           Area (ac): 21.250
 Vol of Unit Hyd (in): 1.000
        Curve Number: 40.000
            DCIA (%): 0.000

      Time Max (hrs): 15.83
      Flow Max (cfs): 6.62
   Runoff Volume (in): 1.428
  Runoff Volume (ft3): 110165


--------------------------------------------------------------------------------

            Basin Name: OFF F
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 8.67
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 65.00
     Time Shift (hrs): 0.00
           Area (ac): 4.500
 Vol of Unit Hyd (in): 1.000
        Curve Number: 30.000
            DCIA (%): 0.000

      Time Max (hrs): 16.42
      Flow Max (cfs): 0.26
   Runoff Volume (in): 0.515
  Runoff Volume (ft3): 8413


--------------------------------------------------------------------------------

            Basin Name: OFF G1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 4.93
  Comp Time Inc (min): 4.93
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 37.00
     Time Shift (hrs): 0.00
           Area (ac): 1.080
 Vol of Unit Hyd (in): 1.000
        Curve Number: 30.000
            DCIA (%): 0.000

      Time Max (hrs): 15.87
      Flow Max (cfs): 0.08
   Runoff Volume (in): 0.514
  Runoff Volume (ft3): 2015


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF G2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 88.00
      Time Shift (hrs): 0.00
              Area (ac): 66.910
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 49.77
    Runoff Volume (in): 3.289
   Runoff Volume (ft3): 798802


--------------------------------------------------------------------------------

            Basin Name: OFF J1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 47.00
      Time Shift (hrs): 0.00
              Area (ac): 4.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 16.00
       Flow Max (cfs): 0.27
    Runoff Volume (in): 0.515
   Runoff Volume (ft3): 7686


--------------------------------------------------------------------------------

            Basin Name: OFF K
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
              Area (ac): 19.370
  Vol of Unit Hyd (in): 1.000
          Curve Number: 54.000
              DCIA (%): 0.000

       Time Max (hrs): 15.38
       Flow Max (cfs): 21.11
    Runoff Volume (in): 2.945
   Runoff Volume (ft3): 207080


--------------------------------------------------------------------------------
```

```
            Basin Name: SE OFF
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 5.47
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 41.00
     Time Shift (hrs): 0.00
           Area (ac): 68.420
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 15.75
      Flow Max (cfs): 7.95
   Runoff Volume (in): 0.677
  Runoff Volume (ft3): 168262


--------------------------------------------------------------------------------

            Basin Name: WET A
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 16.53
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 124.00
     Time Shift (hrs): 0.00
           Area (ac): 6.750
 Vol of Unit Hyd (in): 1.000
        Curve Number: 98.000
            DCIA (%): 0.000

      Time Max (hrs): 16.25
      Flow Max (cfs): 9.58
   Runoff Volume (in): 8.159
  Runoff Volume (ft3): 199909


--------------------------------------------------------------------------------

            Basin Name: WET B
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 17.20
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 8.400
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 129.00
     Time Shift (hrs): 0.00
           Area (ac): 16.060
 Vol of Unit Hyd (in): 1.000
        Curve Number: 98.000
            DCIA (%): 0.000

      Time Max (hrs): 16.33
      Flow Max (cfs): 22.21
   Runoff Volume (in): 8.159
  Runoff Volume (ft3): 475634


--------------------------------------------------------------------------------
```

```
            Basin Name: WET C
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 16.27
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 122.00
       Time Shift (hrs): 0.00
              Area (ac): 15.030
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.25
         Flow Max (cfs): 21.58
     Runoff Volume (in): 8.160
    Runoff Volume (ft3): 445200


--------------------------------------------------------------------------------

            Basin Name: WET D
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 16.80
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 126.00
       Time Shift (hrs): 0.00
              Area (ac): 68.660
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.33
         Flow Max (cfs): 96.37
     Runoff Volume (in): 8.158
    Runoff Volume (ft3): 2033301


--------------------------------------------------------------------------------

            Basin Name: WET E
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 17.07
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.400
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 128.00
       Time Shift (hrs): 0.00
              Area (ac): 11.610
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.33
         Flow Max (cfs): 16.13
     Runoff Volume (in): 8.159
    Runoff Volume (ft3): 343839


--------------------------------------------------------------------------------
```

```
            Basin Name: WET F
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
             Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 5.78
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 114614


--------------------------------------------------------------------------------

            Basin Name: WET G1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
             Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 21.69
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 449905


--------------------------------------------------------------------------------

            Basin Name: WET G2
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
             Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 16.84
    Runoff Volume (in): 8.160
   Runoff Volume (ft3): 347452


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G3
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
             Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 5.45
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 108690


--------------------------------------------------------------------------------

            Basin Name: WET J
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
             Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 3.53
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 68116


--------------------------------------------------------------------------------

            Basin Name: WET K
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
             Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 5.29
    Runoff Volume (in): 8.157
   Runoff Volume (ft3): 72249


--------------------------------------------------------------------------------
```

```
            Basin Name: WET Z
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
             Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 29.35
    Runoff Volume (in): 8.158
   Runoff Volume (ft3): 684343


--------------------------------------------------------------------------------

            Basin Name: WET Z1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 48.00
      Time Shift (hrs): 0.00
             Area (ac): 2.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.42
       Flow Max (cfs): 5.21
    Runoff Volume (in): 8.159
   Runoff Volume (ft3): 61308


--------------------------------------------------------------------------------

            Basin Name: Z1
            Group Name: BASE
            Simulation: 25Y24H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.400
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 62.00
      Time Shift (hrs): 0.00
             Area (ac): 52.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 4.95
    Runoff Volume (in): 0.678
   Runoff Volume (ft3): 129002


--------------------------------------------------------------------------------
```

```
            Basin Name: B2-1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.40
   Comp Time Inc (min): 4.40
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 33.00
      Time Shift (hrs): 0.00
             Area (ac): 2.900
  Vol of Unit Hyd (in): 1.001
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 62.77
       Flow Max (cfs): 1.32
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 17146


--------------------------------------------------------------------------------

            Basin Name: BASIN 1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-D2-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 12.460
  Vol of Unit Hyd (in): 1.000
          Curve Number: 67.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 49.98
    Runoff Volume (in): 7.344
   Runoff Volume (ft3): 332154


--------------------------------------------------------------------------------

            Basin Name: BASIN 11
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-W3-3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 15.290
  Vol of Unit Hyd (in): 1.000
          Curve Number: 64.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 58.19
    Runoff Volume (in): 6.906
   Runoff Volume (ft3): 383302


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 12
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-W3-4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 23.240
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 83.37
    Runoff Volume (in): 6.462
   Runoff Volume (ft3): 545102


--------------------------------------------------------------------------------

            Basin Name: BASIN 14
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-D1-4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 5.860
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 62.57
       Flow Max (cfs): 19.22
    Runoff Volume (in): 5.859
   Runoff Volume (ft3): 124625


--------------------------------------------------------------------------------

            Basin Name: BASIN 15
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-D1-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 13.940
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 50.01
    Runoff Volume (in): 6.462
   Runoff Volume (ft3): 326967


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 17
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-D1-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 19.040
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 68.31
    Runoff Volume (in): 6.462
   Runoff Volume (ft3): 446590


--------------------------------------------------------------------------------

            Basin Name: BASIN 18
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-W4-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 17.040
  Vol of Unit Hyd (in): 1.000
          Curve Number: 65.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 66.04
    Runoff Volume (in): 7.053
   Runoff Volume (ft3): 436244


--------------------------------------------------------------------------------

            Basin Name: BASIN 19
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 16.790
  Vol of Unit Hyd (in): 1.000
          Curve Number: 64.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 63.90
    Runoff Volume (in): 6.906
   Runoff Volume (ft3): 420905


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 20
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 20.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 65.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 81.19
    Runoff Volume (in): 7.053
   Runoff Volume (ft3): 536344


--------------------------------------------------------------------------------

            Basin Name: BASIN 23
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-D4-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 12.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 60.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 44.50
    Runoff Volume (in): 6.312
   Runoff Volume (ft3): 290297


--------------------------------------------------------------------------------

            Basin Name: BASIN 5
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-D2-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 8.050
  Vol of Unit Hyd (in): 1.000
          Curve Number: 67.000
              DCIA (%): 0.000

       Time Max (hrs): 62.53
       Flow Max (cfs): 32.29
    Runoff Volume (in): 7.344
   Runoff Volume (ft3): 214594


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 7
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-W3-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 7.440
   Vol of Unit Hyd (in): 1.000
           Curve Number: 58.000
               DCIA (%): 0.000

         Time Max (hrs): 62.57
         Flow Max (cfs): 24.98
     Runoff Volume (in): 6.010
    Runoff Volume (ft3): 162326


--------------------------------------------------------------------------------

            Basin Name: BASIN 8
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: P-W3-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 10.070
   Vol of Unit Hyd (in): 1.000
           Curve Number: 63.000
               DCIA (%): 0.000

         Time Max (hrs): 62.53
         Flow Max (cfs): 37.61
     Runoff Volume (in): 6.759
    Runoff Volume (ft3): 247054


--------------------------------------------------------------------------------

            Basin Name: C1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 8.93
    Comp Time Inc (min): 5.00
          Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 67.00
       Time Shift (hrs): 0.00
              Area (ac): 7.090
   Vol of Unit Hyd (in): 1.000
           Curve Number: 30.000
               DCIA (%): 0.000

         Time Max (hrs): 63.25
         Flow Max (cfs): 2.02
     Runoff Volume (in): 1.629
    Runoff Volume (ft3): 41930


--------------------------------------------------------------------------------
```

```
            Basin Name: C2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 7.60
    Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 57.00
       Time Shift (hrs): 0.00
              Area (ac): 11.840
   Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

         Time Max (hrs): 63.00
        Flow Max (cfs): 6.14
     Runoff Volume (in): 2.245
    Runoff Volume (ft3): 96474


--------------------------------------------------------------------------------

            Basin Name: C3
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 7.47
    Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 56.00
       Time Shift (hrs): 0.00
              Area (ac): 11.260
   Vol of Unit Hyd (in): 1.000
          Curve Number: 35.000
              DCIA (%): 0.000

         Time Max (hrs): 63.00
        Flow Max (cfs): 6.50
     Runoff Volume (in): 2.402
    Runoff Volume (ft3): 98167


--------------------------------------------------------------------------------

            Basin Name: G2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 6.93
    Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
   Rainfall Amount (in): 11.700
   Storm Duration (hrs): 100.00
                 Status: Onsite
     Time of Conc (min): 52.00
       Time Shift (hrs): 0.00
              Area (ac): 15.760
   Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

         Time Max (hrs): 63.00
        Flow Max (cfs): 6.97
     Runoff Volume (in): 1.933
    Runoff Volume (ft3): 110558


--------------------------------------------------------------------------------
```

```
            Basin Name: H1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.87
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 59.00
     Time Shift (hrs): 0.00
           Area (ac): 8.680
 Vol of Unit Hyd (in): 1.000
        Curve Number: 31.000
            DCIA (%): 0.000

      Time Max (hrs): 63.08
      Flow Max (cfs): 3.10
   Runoff Volume (in): 1.779
  Runoff Volume (ft3): 56058


--------------------------------------------------------------------------------

            Basin Name: OFF A
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.47
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 56.00
     Time Shift (hrs): 0.00
           Area (ac): 24.840
 Vol of Unit Hyd (in): 1.000
        Curve Number: 37.000
            DCIA (%): 0.000

      Time Max (hrs): 63.00
      Flow Max (cfs): 16.93
   Runoff Volume (in): 2.718
  Runoff Volume (ft3): 245038


--------------------------------------------------------------------------------

            Basin Name: OFF B
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 9.47
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 71.00
     Time Shift (hrs): 0.00
           Area (ac): 14.950
 Vol of Unit Hyd (in): 1.000
        Curve Number: 30.000
            DCIA (%): 0.000

      Time Max (hrs): 63.33
      Flow Max (cfs): 4.09
   Runoff Volume (in): 1.627
  Runoff Volume (ft3): 88319


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
            Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 63.08
       Flow Max (cfs): 2.62
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 47725


--------------------------------------------------------------------------------

            Basin Name: OFF B3
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.13
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 61.00
      Time Shift (hrs): 0.00
            Area (ac): 21.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 40.000
              DCIA (%): 0.000

       Time Max (hrs): 63.00
       Flow Max (cfs): 16.74
    Runoff Volume (in): 3.191
   Runoff Volume (ft3): 246137


--------------------------------------------------------------------------------

            Basin Name: OFF F
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
            Area (ac): 4.500
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 63.25
       Flow Max (cfs): 1.30
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 26615


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF G1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 1.080
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 62.82
       Flow Max (cfs): 0.46
    Runoff Volume (in): 1.629
   Runoff Volume (ft3): 6388


--------------------------------------------------------------------------------

            Basin Name: OFF G2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.73
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 88.00
      Time Shift (hrs): 0.00
             Area (ac): 66.910
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 63.33
       Flow Max (cfs): 80.09
    Runoff Volume (in): 5.854
   Runoff Volume (ft3): 1421953


--------------------------------------------------------------------------------

            Basin Name: OFF J1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.27
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 47.00
      Time Shift (hrs): 0.00
             Area (ac): 4.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 62.92
       Flow Max (cfs): 1.48
    Runoff Volume (in): 1.630
   Runoff Volume (ft3): 24314


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF K
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 19.370
  Vol of Unit Hyd (in): 1.000
          Curve Number: 54.000
              DCIA (%): 0.000

       Time Max (hrs): 62.73
       Flow Max (cfs): 38.07
    Runoff Volume (in): 5.399
   Runoff Volume (ft3): 379595


--------------------------------------------------------------------------------

            Basin Name: SE OFF
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.47
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 41.00
      Time Shift (hrs): 0.00
             Area (ac): 68.420
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 62.83
       Flow Max (cfs): 35.63
    Runoff Volume (in): 1.932
   Runoff Volume (ft3): 479904


--------------------------------------------------------------------------------

            Basin Name: WET A
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.53
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 124.00
      Time Shift (hrs): 0.00
             Area (ac): 6.750
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.67
       Flow Max (cfs): 10.51
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 280722


--------------------------------------------------------------------------------
```

```
            Basin Name: WET B
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.20
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 129.00
      Time Shift (hrs): 0.00
             Area (ac): 16.060
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.75
       Flow Max (cfs): 24.31
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 667908


--------------------------------------------------------------------------------

            Basin Name: WET C
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
             Area (ac): 15.030
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.67
       Flow Max (cfs): 23.68
    Runoff Volume (in): 11.459
   Runoff Volume (ft3): 625172


--------------------------------------------------------------------------------

            Basin Name: WET D
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.80
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 126.00
      Time Shift (hrs): 0.00
             Area (ac): 68.660
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.75
       Flow Max (cfs): 105.64
    Runoff Volume (in): 11.456
   Runoff Volume (ft3): 2855258


--------------------------------------------------------------------------------
```

```
            Basin Name: WET E
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.07
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 128.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.75
       Flow Max (cfs): 17.67
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 482836


--------------------------------------------------------------------------------

            Basin Name: WET F
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
             Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.58
       Flow Max (cfs): 6.36
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 160946


--------------------------------------------------------------------------------

            Basin Name: WET G1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
             Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.67
       Flow Max (cfs): 23.79
    Runoff Volume (in): 11.458
   Runoff Volume (ft3): 631777


--------------------------------------------------------------------------------
```

```
            Basin Name: WET G2
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
            Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.67
       Flow Max (cfs): 18.48
    Runoff Volume (in): 11.459
   Runoff Volume (ft3): 487908


--------------------------------------------------------------------------------

            Basin Name: WET G3
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
            Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.58
       Flow Max (cfs): 6.00
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 152628


--------------------------------------------------------------------------------

            Basin Name: WET J
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
            Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.50
       Flow Max (cfs): 3.90
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 95652


--------------------------------------------------------------------------------
```

```
            Basin Name: WET K
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
             Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.00
       Flow Max (cfs): 6.09
    Runoff Volume (in): 11.455
   Runoff Volume (ft3): 101456


--------------------------------------------------------------------------------

            Basin Name: WET Z
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
             Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 63.92
       Flow Max (cfs): 31.95
    Runoff Volume (in): 11.455
   Runoff Volume (ft3): 960987


--------------------------------------------------------------------------------

            Basin Name: WET Z1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.40
   Comp Time Inc (min): 5.00
         Rainfall File: Sjrwmd96
  Rainfall Amount (in): 11.700
  Storm Duration (hrs): 100.00
                Status: Onsite
    Time of Conc (min): 48.00
      Time Shift (hrs): 0.00
             Area (ac): 2.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 62.83
       Flow Max (cfs): 6.17
    Runoff Volume (in): 11.457
   Runoff Volume (ft3): 86092


--------------------------------------------------------------------------------
```

```
            Basin Name: Z1
            Group Name: BASE
            Simulation: 25Y96H
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 8.27
  Comp Time Inc (min): 5.00
        Rainfall File: Sjrwmd96
 Rainfall Amount (in): 11.700
 Storm Duration (hrs): 100.00
               Status: Onsite
   Time of Conc (min): 62.00
     Time Shift (hrs): 0.00
           Area (ac): 52.440
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 63.08
      Flow Max (cfs): 20.55
   Runoff Volume (in): 1.933
  Runoff Volume (ft3): 367929


--------------------------------------------------------------------------------

            Basin Name: B2-1
            Group Name: BASE
            Simulation: MA
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 4.40
  Comp Time Inc (min): 4.40
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 33.00
     Time Shift (hrs): 0.00
           Area (ac): 2.900
 Vol of Unit Hyd (in): 1.001
        Curve Number: 30.000
            DCIA (%): 0.000

      Time Max (hrs): 0.00
      Flow Max (cfs): 0.00
   Runoff Volume (in): 0.000
  Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: BASIN 1
            Group Name: BASE
            Simulation: MA
             Node Name: P-D2-2
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
           Area (ac): 12.460
 Vol of Unit Hyd (in): 1.000
        Curve Number: 67.000
            DCIA (%): 0.000

      Time Max (hrs): 15.10
      Flow Max (cfs): 10.15
   Runoff Volume (in): 1.464
  Runoff Volume (ft3): 66234


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 11
            Group Name: BASE
            Simulation: MA
             Node Name: P-W3-3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
            Area (ac): 15.290
  Vol of Unit Hyd (in): 1.000
          Curve Number: 64.000
              DCIA (%): 0.000

       Time Max (hrs): 15.10
       Flow Max (cfs): 10.41
    Runoff Volume (in): 1.266
   Runoff Volume (ft3): 70275


--------------------------------------------------------------------------------

            Basin Name: BASIN 12
            Group Name: BASE
            Simulation: MA
             Node Name: P-W3-4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
            Area (ac): 23.240
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 15.10
       Flow Max (cfs): 12.83
    Runoff Volume (in): 1.080
   Runoff Volume (ft3): 91086


--------------------------------------------------------------------------------

            Basin Name: BASIN 14
            Group Name: BASE
            Simulation: MA
             Node Name: P-D1-4
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
            Area (ac): 5.860
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 15.10
       Flow Max (cfs): 2.28
    Runoff Volume (in): 0.850
   Runoff Volume (ft3): 18074


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 15
            Group Name: BASE
            Simulation: MA
             Node Name: P-D1-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 13.940
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 15.10
       Flow Max (cfs): 7.69
    Runoff Volume (in): 1.080
   Runoff Volume (ft3): 54636


--------------------------------------------------------------------------------

            Basin Name: BASIN 17
            Group Name: BASE
            Simulation: MA
             Node Name: P-D1-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 19.040
  Vol of Unit Hyd (in): 1.000
          Curve Number: 61.000
              DCIA (%): 0.000

       Time Max (hrs): 15.10
       Flow Max (cfs): 10.51
    Runoff Volume (in): 1.080
   Runoff Volume (ft3): 74625


--------------------------------------------------------------------------------

            Basin Name: BASIN 18
            Group Name: BASE
            Simulation: MA
             Node Name: P-W4-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 2.00
   Comp Time Inc (min): 2.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 15.00
      Time Shift (hrs): 0.00
             Area (ac): 17.040
  Vol of Unit Hyd (in): 1.000
          Curve Number: 65.000
              DCIA (%): 0.000

       Time Max (hrs): 15.10
       Flow Max (cfs): 12.35
    Runoff Volume (in): 1.331
   Runoff Volume (ft3): 82325


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 19
            Group Name: BASE
            Simulation: MA
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
           Area (ac): 16.790
 Vol of Unit Hyd (in): 1.000
        Curve Number: 64.000
            DCIA (%): 0.000

      Time Max (hrs): 15.10
      Flow Max (cfs): 11.43
   Runoff Volume (in): 1.266
  Runoff Volume (ft3): 77169


--------------------------------------------------------------------------------

            Basin Name: BASIN 20
            Group Name: BASE
            Simulation: MA
             Node Name: P-W4-2
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
           Area (ac): 20.950
 Vol of Unit Hyd (in): 1.000
        Curve Number: 65.000
            DCIA (%): 0.000

      Time Max (hrs): 15.10
      Flow Max (cfs): 15.18
   Runoff Volume (in): 1.331
  Runoff Volume (ft3): 101215


--------------------------------------------------------------------------------

            Basin Name: BASIN 23
            Group Name: BASE
            Simulation: MA
             Node Name: P-D4-1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 2.00
  Comp Time Inc (min): 2.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 15.00
     Time Shift (hrs): 0.00
           Area (ac): 12.670
 Vol of Unit Hyd (in): 1.000
        Curve Number: 60.000
            DCIA (%): 0.000

      Time Max (hrs): 15.10
      Flow Max (cfs): 6.46
   Runoff Volume (in): 1.020
  Runoff Volume (ft3): 46921


--------------------------------------------------------------------------------
```

```
            Basin Name: BASIN 5
            Group Name: BASE
            Simulation: MA
             Node Name: P-D2-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 8.050
   Vol of Unit Hyd (in): 1.000
           Curve Number: 67.000
               DCIA (%): 0.000

         Time Max (hrs): 15.10
         Flow Max (cfs): 6.55
     Runoff Volume (in): 1.464
    Runoff Volume (ft3): 42792


--------------------------------------------------------------------------------

            Basin Name: BASIN 7
            Group Name: BASE
            Simulation: MA
             Node Name: P-W3-1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 7.440
   Vol of Unit Hyd (in): 1.000
           Curve Number: 58.000
               DCIA (%): 0.000

         Time Max (hrs): 15.10
         Flow Max (cfs): 3.19
     Runoff Volume (in): 0.905
    Runoff Volume (ft3): 24446


--------------------------------------------------------------------------------

            Basin Name: BASIN 8
            Group Name: BASE
            Simulation: MA
             Node Name: P-W3-2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 10.070
   Vol of Unit Hyd (in): 1.000
           Curve Number: 63.000
               DCIA (%): 0.000

         Time Max (hrs): 15.10
         Flow Max (cfs): 6.42
     Runoff Volume (in): 1.203
    Runoff Volume (ft3): 43963


--------------------------------------------------------------------------------
```

```
            Basin Name: C1
            Group Name: BASE
            Simulation: MA
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.93
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 67.00
      Time Shift (hrs): 0.00
             Area (ac): 7.090
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: C2
            Group Name: BASE
            Simulation: MA
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.60
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 57.00
      Time Shift (hrs): 0.00
             Area (ac): 11.840
  Vol of Unit Hyd (in): 1.000
          Curve Number: 34.000
              DCIA (%): 0.000

       Time Max (hrs): 28.50
       Flow Max (cfs): 0.03
    Runoff Volume (in): 0.019
   Runoff Volume (ft3): 819


--------------------------------------------------------------------------------

            Basin Name: C3
            Group Name: BASE
            Simulation: MA
             Node Name: C3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 56.00
      Time Shift (hrs): 0.00
             Area (ac): 11.260
  Vol of Unit Hyd (in): 1.000
          Curve Number: 35.000
              DCIA (%): 0.000

       Time Max (hrs): 28.42
       Flow Max (cfs): 0.04
    Runoff Volume (in): 0.032
   Runoff Volume (ft3): 1304


--------------------------------------------------------------------------------
```

```
            Basin Name: G2
            Group Name: BASE
            Simulation: MA
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 6.93
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 52.00
     Time Shift (hrs): 0.00
           Area (ac): 15.760
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 30.00
      Flow Max (cfs): 0.01
   Runoff Volume (in): 0.003
  Runoff Volume (ft3): 166


--------------------------------------------------------------------------------

            Basin Name: H1
            Group Name: BASE
            Simulation: MA
             Node Name: DUMMY
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.87
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 59.00
     Time Shift (hrs): 0.00
           Area (ac): 8.680
 Vol of Unit Hyd (in): 1.000
        Curve Number: 31.000
            DCIA (%): 0.000

      Time Max (hrs): 30.33
      Flow Max (cfs): 0.00
   Runoff Volume (in): 0.000
  Runoff Volume (ft3): 3


--------------------------------------------------------------------------------

            Basin Name: OFF A
            Group Name: BASE
            Simulation: MA
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 7.47
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 56.00
     Time Shift (hrs): 0.00
           Area (ac): 24.840
 Vol of Unit Hyd (in): 1.000
        Curve Number: 37.000
            DCIA (%): 0.000

      Time Max (hrs): 24.83
      Flow Max (cfs): 0.14
   Runoff Volume (in): 0.066
  Runoff Volume (ft3): 5963


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF B
            Group Name: BASE
            Simulation: MA
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 9.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 71.00
      Time Shift (hrs): 0.00
             Area (ac): 14.950
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: OFF B2
            Group Name: BASE
            Simulation: MA
             Node Name: OFF B2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 7.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 55.00
      Time Shift (hrs): 0.00
             Area (ac): 8.070
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: OFF B3
            Group Name: BASE
            Simulation: MA
             Node Name: OFF B3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.13
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 61.00
      Time Shift (hrs): 0.00
             Area (ac): 21.250
  Vol of Unit Hyd (in): 1.000
          Curve Number: 40.000
              DCIA (%): 0.000

       Time Max (hrs): 19.50
       Flow Max (cfs): 0.24
    Runoff Volume (in): 0.136
   Runoff Volume (ft3): 10510


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF F
            Group Name: BASE
            Simulation: MA
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 65.00
      Time Shift (hrs): 0.00
            Area (ac): 4.500
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: OFF G1
            Group Name: BASE
            Simulation: MA
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
            Area (ac): 1.080
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: OFF G2
            Group Name: BASE
            Simulation: MA
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 11.73
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 88.00
      Time Shift (hrs): 0.00
            Area (ac): 66.910
  Vol of Unit Hyd (in): 1.000
          Curve Number: 57.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 10.26
    Runoff Volume (in): 0.849
   Runoff Volume (ft3): 206218


--------------------------------------------------------------------------------
```

```
            Basin Name: OFF J1
            Group Name: BASE
            Simulation: MA
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 6.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 47.00
      Time Shift (hrs): 0.00
             Area (ac): 4.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 30.000
              DCIA (%): 0.000

       Time Max (hrs): 0.00
       Flow Max (cfs): 0.00
    Runoff Volume (in): 0.000
   Runoff Volume (ft3): 0


--------------------------------------------------------------------------------

            Basin Name: OFF K
            Group Name: BASE
            Simulation: MA
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 4.93
   Comp Time Inc (min): 4.93
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 37.00
      Time Shift (hrs): 0.00
             Area (ac): 19.370
  Vol of Unit Hyd (in): 1.000
          Curve Number: 54.000
              DCIA (%): 0.000

       Time Max (hrs): 15.54
       Flow Max (cfs): 3.68
    Runoff Volume (in): 0.690
   Runoff Volume (ft3): 48533


--------------------------------------------------------------------------------

            Basin Name: SE OFF
            Group Name: BASE
            Simulation: MA
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 5.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 41.00
      Time Shift (hrs): 0.00
             Area (ac): 68.420
  Vol of Unit Hyd (in): 1.000
          Curve Number: 32.000
              DCIA (%): 0.000

       Time Max (hrs): 29.67
       Flow Max (cfs): 0.06
    Runoff Volume (in): 0.003
   Runoff Volume (ft3): 721


--------------------------------------------------------------------------------
```

```
            Basin Name: WET A
            Group Name: BASE
            Simulation: MA
             Node Name: WET A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 16.53
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 124.00
       Time Shift (hrs): 0.00
              Area (ac): 6.750
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.25
         Flow Max (cfs): 5.09
     Runoff Volume (in): 4.263
    Runoff Volume (ft3): 104463


--------------------------------------------------------------------------------

            Basin Name: WET B
            Group Name: BASE
            Simulation: MA
             Node Name: WET B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 17.20
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 129.00
       Time Shift (hrs): 0.00
              Area (ac): 16.060
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.33
         Flow Max (cfs): 11.80
     Runoff Volume (in): 4.263
    Runoff Volume (ft3): 248545


--------------------------------------------------------------------------------

            Basin Name: WET C
            Group Name: BASE
            Simulation: MA
             Node Name: WET C
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
    Spec Time Inc (min): 16.27
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 4.500
   Storm Duration (hrs): 30.00
                 Status: Onsite
     Time of Conc (min): 122.00
       Time Shift (hrs): 0.00
              Area (ac): 15.030
   Vol of Unit Hyd (in): 1.000
           Curve Number: 98.000
               DCIA (%): 0.000

         Time Max (hrs): 16.25
         Flow Max (cfs): 11.47
     Runoff Volume (in): 4.264
    Runoff Volume (ft3): 232642


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            Basin Name: WET D
            Group Name: BASE
            Simulation: MA
             Node Name: WET D
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.80
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 126.00
      Time Shift (hrs): 0.00
             Area (ac): 68.660
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 51.23
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 1062512


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            Basin Name: WET E
            Group Name: BASE
            Simulation: MA
             Node Name: WET E
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 17.07
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 128.00
      Time Shift (hrs): 0.00
             Area (ac): 11.610
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.33
       Flow Max (cfs): 8.58
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 179675


--------------------------------------------------------------------------------

            Basin Name: WET F
            Group Name: BASE
            Simulation: MA
             Node Name: WET F
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.33
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 115.00
      Time Shift (hrs): 0.00
             Area (ac): 3.870
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 3.07
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 59892


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            Basin Name: WET G1
            Group Name: BASE
            Simulation: MA
             Node Name: WET G1
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 123.00
      Time Shift (hrs): 0.00
             Area (ac): 15.190
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 11.53
    Runoff Volume (in): 4.264
   Runoff Volume (ft3): 235100


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            Basin Name: WET G2
            Group Name: BASE
            Simulation: MA
             Node Name: WET G2
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 16.27
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 122.00
      Time Shift (hrs): 0.00
             Area (ac): 11.730
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.25
       Flow Max (cfs): 8.95
    Runoff Volume (in): 4.264
   Runoff Volume (ft3): 181563


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            Basin Name: WET G3
            Group Name: BASE
            Simulation: MA
             Node Name: WET G3
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 15.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 116.00
      Time Shift (hrs): 0.00
             Area (ac): 3.670
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.17
       Flow Max (cfs): 2.90
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 56797


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            Basin Name: WET J
            Group Name: BASE
            Simulation: MA
             Node Name: WET J
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 14.67
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 110.00
      Time Shift (hrs): 0.00
            Area (ac): 2.300
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.08
       Flow Max (cfs): 1.88
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 35594


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            Basin Name: WET K
            Group Name: BASE
            Simulation: MA
             Node Name: WET K
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 8.40
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 63.00
      Time Shift (hrs): 0.00
            Area (ac): 2.440
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 15.58
       Flow Max (cfs): 2.82
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 37754


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            Basin Name: WET Z
            Group Name: BASE
            Simulation: MA
             Node Name: WET Z
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh323
          Peaking Fator: 323.0
   Spec Time Inc (min): 19.47
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 4.500
  Storm Duration (hrs): 30.00
                Status: Onsite
    Time of Conc (min): 146.00
      Time Shift (hrs): 0.00
            Area (ac): 23.110
  Vol of Unit Hyd (in): 1.000
          Curve Number: 98.000
              DCIA (%): 0.000

       Time Max (hrs): 16.50
       Flow Max (cfs): 15.59
    Runoff Volume (in): 4.263
   Runoff Volume (ft3): 357607


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            Basin Name: WET Z1
            Group Name: BASE
            Simulation: MA
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 6.40
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 48.00
     Time Shift (hrs): 0.00
           Area (ac): 2.070
 Vol of Unit Hyd (in): 1.000
        Curve Number: 98.000
            DCIA (%): 0.000

      Time Max (hrs): 15.42
      Flow Max (cfs): 2.77
   Runoff Volume (in): 4.264
  Runoff Volume (ft3): 32037


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            Basin Name: Z1
            Group Name: BASE
            Simulation: MA
             Node Name: WET Z1
            Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh323
         Peaking Fator: 323.0
  Spec Time Inc (min): 8.27
  Comp Time Inc (min): 5.00
        Rainfall File: Flmod
 Rainfall Amount (in): 4.500
 Storm Duration (hrs): 30.00
               Status: Onsite
   Time of Conc (min): 62.00
     Time Shift (hrs): 0.00
           Area (ac): 52.440
 Vol of Unit Hyd (in): 1.000
        Curve Number: 32.000
            DCIA (%): 0.000

      Time Max (hrs): 30.00
      Flow Max (cfs): 0.04
   Runoff Volume (in): 0.003
  Runoff Volume (ft3): 553
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Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
C3	BASE	100Y24H	16.06	85.24	86.00	0.0015	22947	15.75	4.58	16.06	4.19
DUMMY	BASE	100Y24H	30.00	82.54	84.00	0.0017	29195	16.62	12.15	16.68	10.17
OFF B2	BASE	100Y24H	16.63	84.67	85.00	-0.0050	12757	16.72	22.85	16.63	10.09
OFF B3	BASE	100Y24H	16.57	84.67	85.00	0.0009	107534	15.75	12.93	16.72	21.57
OUTFALL	BASE	100Y24H	0.00	81.00	82.00	0.0000	4	25.37	12.36	0.00	0.00
P-B1-1	BASE	100Y24H	1.38	83.60	85.50	0.0031	83013	0.00	0.00	1.38	0.00
P-B2-1	BASE	100Y24H	1.05	83.60	85.50	0.0045	64593	0.00	0.00	1.05	0.00
P-B4-1	BASE	100Y24H	30.00	82.67	85.00	0.0018	121732	0.00	0.00	0.00	0.00
P-D1-1	BASE	100Y24H	19.06	85.63	85.00	-2.0000	121264	15.08	59.82	19.06	3.88
P-D1-2	BASE	100Y24H	15.73	86.84	87.00	-2.0000	49686	15.08	43.79	15.73	16.56
P-D1-3	BASE	100Y24H	0.00	83.00	87.00	-2.0000	32234	0.00	0.00	0.00	0.00
P-D1-4	BASE	100Y24H	15.92	84.64	87.00	-2.0000	39690	15.08	16.42	15.92	4.46
P-D2-1	BASE	100Y24H	19.08	85.08	85.50	-2.0000	82204	15.08	29.14	19.08	1.77
P-D2-2	BASE	100Y24H	16.42	85.68	86.10	0.0048	68510	15.08	45.11	16.42	6.02
P-D4-1	BASE	100Y24H	15.13	84.08	85.00	0.0050	20160	15.08	38.75	15.13	36.83
P-W3-1	BASE	100Y24H	19.57	84.39	85.00	0.0028	33311	15.08	21.49	19.53	1.35
P-W3-2	BASE	100Y24H	30.00	83.41	85.00	0.0014	90348	15.08	33.29	16.16	0.26
P-W3-3	BASE	100Y24H	30.00	84.22	85.00	0.0019	105777	15.08	51.77	30.00	0.73
P-W3-4	BASE	100Y24H	30.00	83.85	85.50	0.0019	117637	15.08	48.99	15.67	0.28
P-W4-1	BASE	100Y24H	24.68	84.57	85.00	0.0025	94759	15.08	59.05	24.63	2.04
P-W4-2	BASE	100Y24H	17.04	84.71	86.40	0.0034	143374	15.08	129.44	17.04	13.51
WET A	BASE	100Y24H	30.00	82.68	84.50	0.0018	357218	15.92	30.64	21.25	1.93
WET B	BASE	100Y24H	30.00	82.67	84.50	0.0017	654900	16.42	45.65	29.34	4.77
WET C	BASE	100Y24H	30.00	82.55	84.50	0.0018	585930	16.16	36.84	30.00	3.08
WET D	BASE	100Y24H	0.00	83.60	84.00	0.0000	8	16.41	133.59	0.00	0.00
WET E	BASE	100Y24H	20.87	83.98	84.00	0.0008	691828	15.83	33.20	20.87	9.29
WET F	BASE	100Y24H	30.00	82.54	84.00	0.0017	141980	16.17	8.38	15.89	1.43
WET G1	BASE	100Y24H	30.00	82.54	84.00	0.0018	598978	16.31	38.00	30.00	2.86
WET G2	BASE	100Y24H	25.37	82.25	84.00	0.0022	868312	16.00	97.92	25.37	12.36
WET G3	BASE	100Y24H	30.00	83.85	84.50	0.0030	158125	16.00	11.00	9.61	0.23
WET J	BASE	100Y24H	30.00	82.54	84.00	0.0017	76237	16.08	5.48	15.72	0.99
WET K	BASE	100Y24H	18.90	83.72	84.00	0.0023	432364	15.33	38.39	18.90	5.13
WET Z	BASE	100Y24H	30.00	82.54	85.00	0.0017	761529	16.11	63.90	16.68	10.55
WET Z1	BASE	100Y24H	16.15	85.65	85.00	0.0031	33467	15.75	18.86	16.15	17.04
C3	BASE	10Y24H	17.99	85.11	86.00	0.0017	17857	16.00	0.87	17.99	0.62
DUMMY	BASE	10Y24H	30.00	81.82	84.00	0.0031	29195	20.46	5.88	24.13	4.62
OFF B2	BASE	10Y24H	19.48	84.55	85.00	0.0049	10810	19.45	7.36	19.48	1.57
OFF B3	BASE	10Y24H	19.45	84.55	85.00	0.0011	101408	15.92	3.67	19.45	7.20
OUTFALL	BASE	10Y24H	0.00	81.00	82.00	0.0000	4	23.77	8.77	0.00	0.00
P-B1-1	BASE	10Y24H	1.38	83.60	85.50	0.0031	83013	0.00	0.00	1.38	0.00
P-B2-1	BASE	10Y24H	1.05	83.60	85.50	0.0045	64593	0.00	0.00	1.05	0.00
P-B4-1	BASE	10Y24H	30.00	81.87	85.00	0.0009	114698	0.00	0.00	0.00	0.00
P-D1-1	BASE	10Y24H	30.00	85.09	85.00	-2.0000	112452	15.08	31.09	0.00	0.00
P-D1-2	BASE	10Y24H	22.03	86.56	87.00	-2.0000	46608	15.08	22.76	22.03	1.18
P-D1-3	BASE	10Y24H	0.00	83.00	87.00	-2.0000	32234	0.00	0.00	0.00	0.00
P-D1-4	BASE	10Y24H	28.16	84.53	87.00	-2.0000	38387	15.08	8.03	28.16	0.32
P-D2-1	BASE	10Y24H	30.00	84.70	85.50	-2.0000	75359	15.08	16.30	0.00	0.00
P-D2-2	BASE	10Y24H	30.00	85.48	86.10	0.0050	63996	15.08	25.23	0.00	0.00
P-D4-1	BASE	10Y24H	15.44	83.80	85.00	0.0050	18952	15.08	19.85	15.44	13.28
P-W3-1	BASE	10Y24H	30.00	83.27	85.00	0.0020	27508	15.08	10.68	25.21	0.29
P-W3-2	BASE	10Y24H	30.00	82.35	85.00	0.0011	81265	15.08	17.76	16.32	0.18
P-W3-3	BASE	10Y24H	30.00	82.86	85.00	0.0014	94054	15.08	27.97	30.00	0.24
P-W3-4	BASE	10Y24H	30.00	82.63	85.50	0.0013	97027	15.08	25.46	30.00	0.21
P-W4-1	BASE	10Y24H	30.00	83.45	85.00	0.0019	83576	15.08	32.29	30.00	0.30
P-W4-2	BASE	10Y24H	20.31	83.45	86.40	0.0026	130014	15.08	70.42	20.26	4.00
WET A	BASE	10Y24H	30.00	81.87	84.50	0.0009	347482	16.33	12.41	30.00	0.82
WET B	BASE	10Y24H	30.00	81.86	84.50	0.0009	643234	15.48	23.25	30.00	1.98
WET C	BASE	10Y24H	30.00	81.82	84.50	0.0009	575471	16.17	19.34	2.29	2.53
WET D	BASE	10Y24H	0.00	83.60	84.00	0.0000	8	16.34	79.97	0.00	0.00
WET E	BASE	10Y24H	19.19	83.75	84.00	0.0004	591082	16.33	13.81	19.19	5.87

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
WET F	BASE	10Y24H	30.00	81.82	84.00	0.0009	129913	16.17	5.27	16.17	1.65
WET G1	BASE	10Y24H	30.00	81.82	84.00	0.0009	547057	16.17	20.25	30.00	2.40
WET G2	BASE	10Y24H	23.77	81.63	84.00	0.0011	821476	16.00	50.88	23.77	8.77
WET G3	BASE	10Y24H	30.00	82.63	84.50	0.0022	122521	16.17	4.66	12.02	0.21
WET J	BASE	10Y24H	30.00	81.82	84.00	0.0009	72707	16.17	3.27	15.97	0.74
WET K	BASE	10Y24H	21.35	83.62	84.00	0.0023	410291	15.42	19.16	21.35	1.89
WET Z	BASE	10Y24H	30.00	81.82	85.00	0.0009	712771	16.34	25.46	20.46	5.68
WET Z1	BASE	10Y24H	20.46	85.53	85.00	0.0031	33013	15.58	4.86	20.46	1.72
C3	BASE	25Y24H	16.67	85.16	86.00	0.0017	19683	15.92	1.95	16.67	1.53
DUMMY	BASE	25Y24H	30.00	82.07	84.00	0.0019	29195	12.53	5.53	29.63	3.47
OFF B2	BASE	25Y24H	17.66	84.59	85.00	0.0050	11458	17.52	13.68	17.66	3.84
OFF B3	BASE	25Y24H	17.52	84.59	85.00	0.0010	103439	15.83	6.62	17.52	13.25
OUTFALL	BASE	25Y24H	0.00	81.00	82.00	0.0000	4	24.19	10.16	0.00	0.00
P-B1-1	BASE	25Y24H	1.38	83.60	85.50	0.0031	83013	0.00	0.00	1.38	0.00
P-B2-1	BASE	25Y24H	1.05	83.60	85.50	0.0045	64593	0.00	0.00	1.05	0.00
P-B4-1	BASE	25Y24H	30.00	82.13	85.00	0.0012	117039	0.00	0.00	0.00	0.00
P-D1-1	BASE	25Y24H	29.78	85.56	85.00	-2.0000	120032	15.08	41.52	29.78	1.05
P-D1-2	BASE	25Y24H	17.29	86.61	87.00	-2.0000	47203	15.08	30.40	17.29	3.13
P-D1-3	BASE	25Y24H	0.00	83.00	87.00	-2.0000	32234	0.00	0.00	0.00	0.00
P-D1-4	BASE	25Y24H	18.85	84.55	87.00	-2.0000	38640	15.08	11.04	18.85	0.85
P-D2-1	BASE	25Y24H	30.00	85.03	85.50	-2.0000	81367	15.08	21.03	30.00	0.45
P-D2-2	BASE	25Y24H	21.98	85.57	86.10	0.0050	66017	15.08	32.55	21.98	1.48
P-D4-1	BASE	25Y24H	15.25	83.91	85.00	0.0050	19317	15.08	26.70	15.25	21.88
P-W3-1	BASE	25Y24H	30.00	83.99	85.00	0.0022	30015	15.08	14.57	25.20	0.33
P-W3-2	BASE	25Y24H	30.00	82.74	85.00	0.0012	84638	15.08	23.43	16.29	0.21
P-W3-3	BASE	25Y24H	30.00	83.38	85.00	0.0016	97886	15.08	36.68	30.00	0.27
P-W3-4	BASE	25Y24H	30.00	83.10	85.50	0.0014	105048	15.08	33.67	30.00	0.24
P-W4-1	BASE	25Y24H	30.00	84.10	85.00	0.0020	88530	15.08	42.10	30.00	0.47
P-W4-2	BASE	25Y24H	18.35	83.89	86.40	0.0026	134756	15.08	92.04	18.33	6.93
WET A	BASE	25Y24H	30.00	82.14	84.50	0.0012	350654	16.08	18.34	25.82	1.21
WET B	BASE	25Y24H	30.00	82.13	84.50	0.0012	647443	15.29	30.67	30.00	2.90
WET C	BASE	25Y24H	30.00	82.07	84.50	0.0012	578727	16.32	25.16	2.14	2.53
WET D	BASE	25Y24H	0.00	83.60	84.00	0.0000	8	16.33	95.79	0.00	0.00
WET E	BASE	25Y24H	20.17	83.83	84.00	0.0005	623905	16.79	17.02	20.17	7.17
WET F	BASE	25Y24H	30.00	82.07	84.00	0.0011	139716	16.17	6.34	16.11	1.63
WET G1	BASE	25Y24H	30.00	82.07	84.00	0.0012	557426	16.17	24.63	30.00	2.57
WET G2	BASE	25Y24H	24.19	81.84	84.00	0.0013	837682	16.00	66.99	24.19	10.16
WET G3	BASE	25Y24H	30.00	83.10	84.50	0.0020	129416	16.17	5.45	11.03	0.21
WET J	BASE	25Y24H	30.00	82.07	84.00	0.0012	73564	16.08	4.02	15.85	0.83
WET K	BASE	25Y24H	20.04	83.64	84.00	0.0023	415031	15.42	26.04	20.04	2.91
WET Z	BASE	25Y24H	30.00	82.07	85.00	0.0013	729600	16.42	33.60	12.53	5.53
WET Z1	BASE	25Y24H	17.39	85.57	85.00	0.0031	33153	15.83	8.68	17.39	5.29
C3	BASE	MA	30.00	84.76	86.00	0.0004	7489	28.42	0.04	0.00	0.00
DUMMY	BASE	MA	29.89	81.40	84.00	0.0020	29380	14.96	0.65	29.89	2.62
OFF B2	BASE	MA	0.00	84.00	85.00	0.0000	113	0.00	0.00	0.00	0.00
OFF B3	BASE	MA	30.00	84.32	85.00	0.0006	62324	19.50	0.24	0.00	0.00
OUTFALL	BASE	MA	0.00	81.00	82.00	0.0000	4	22.87	5.57	0.00	0.00
P-B1-1	BASE	MA	1.38	83.60	85.50	0.0031	83013	0.00	0.00	1.38	0.00
P-B2-1	BASE	MA	1.05	83.60	85.50	0.0045	64593	0.00	0.00	1.05	0.00
P-B4-1	BASE	MA	30.00	81.39	85.00	0.0007	110513	0.00	0.00	0.00	0.00
P-D1-1	BASE	MA	30.00	83.90	85.00	-2.0000	92691	15.08	10.41	0.00	0.00
P-D1-2	BASE	MA	30.00	85.05	87.00	-2.0000	33769	15.08	7.62	0.00	0.00
P-D1-3	BASE	MA	0.00	83.00	87.00	-2.0000	32234	0.00	0.00	0.00	0.00
P-D1-4	BASE	MA	30.00	83.70	87.00	-2.0000	29419	15.08	2.25	0.00	0.00
P-D2-1	BASE	MA	30.00	83.83	85.50	-2.0000	59202	15.08	6.53	0.00	0.00
P-D2-2	BASE	MA	30.00	83.64	86.10	0.0050	38628	15.08	10.11	0.00	0.00
P-D4-1	BASE	MA	22.12	83.53	85.00	0.0045	18107	15.08	6.39	22.12	0.46
P-W3-1	BASE	MA	29.61	81.80	85.00	0.0013	22375	15.08	3.15	28.95	0.15
P-W3-2	BASE	MA	30.00	81.55	85.00	0.0007	74385	15.08	6.37	30.00	0.09
P-W3-3	BASE	MA	30.00	81.76	85.00	0.0010	86083	15.08	10.35	30.00	0.14

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
P-W3-4	BASE	MA	30.00	81.74	85.50	0.0012	82099	15.08	9.88	30.00	0.14
P-W4-1	BASE	MA	30.00	82.02	85.00	0.0015	74461	15.08	12.29	30.00	0.19
P-W4-2	BASE	MA	30.00	82.48	86.40	0.0021	119759	15.08	26.47	30.00	0.25
WET A	BASE	MA	30.00	81.39	84.50	0.0006	341985	16.33	4.89	0.00	0.00
WET B	BASE	MA	30.00	81.39	84.50	0.0006	634930	16.25	10.53	4.20	0.04
WET C	BASE	MA	30.00	81.39	84.50	0.0009	570068	16.25	11.20	2.90	2.57
WET D	BASE	MA	0.00	83.60	84.00	0.0000	8	16.33	45.72	0.00	0.00
WET E	BASE	MA	18.61	83.68	84.00	0.0003	559346	16.33	8.58	18.61	4.26
WET F	BASE	MA	30.00	81.39	84.00	0.0007	107643	16.17	3.21	16.51	1.21
WET G1	BASE	MA	30.00	81.39	84.00	0.0008	536772	16.31	12.85	30.00	2.14
WET G2	BASE	MA	22.87	81.25	84.00	0.0007	793272	16.17	20.31	22.87	5.57
WET G3	BASE	MA	30.00	81.74	84.50	0.0012	115669	16.17	2.90	14.35	0.20
WET J	BASE	MA	30.00	81.39	84.00	0.0008	71592	16.16	1.96	16.16	0.47
WET K	BASE	MA	24.74	83.60	84.00	0.0023	407259	15.50	6.47	24.74	0.65
WET Z	BASE	MA	30.00	81.39	85.00	0.0008	684094	16.42	14.47	14.96	0.65
WET Z1	BASE	MA	30.00	84.26	85.00	0.0017	28012	15.42	2.77	0.00	0.00

HILLSIDE GROVE
POST 25 / 96 VOLUME
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Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y96H	WET D	BASE	95.50	83.60	84.00	2	7.16	0.00	75.2	0.0
25Y96H	WET D	BASE	95.75	83.60	84.00	2	7.16	0.00	75.3	0.0
25Y96H	WET D	BASE	96.00	83.60	84.00	2	7.16	0.00	75.5	0.0
25Y96H	WET E	BASE	95.50	83.61	84.00	528580	1.52	1.53	17.3	17.2
25Y96H	WET E	BASE	95.75	83.61	84.00	528574	1.52	1.53	17.3	17.2
25Y96H	WET E	BASE	96.00	83.61	84.00	528569	1.52	1.53	17.4	17.2
25Y96H	WET K	BASE	95.50	83.60	84.00	407587	0.87	0.87	10.7	-5.8
25Y96H	WET K	BASE	95.75	83.60	84.00	407588	0.87	0.87	10.7	-5.8
25Y96H	WET K	BASE	96.00	83.60	84.00	407589	0.87	0.87	10.7	-5.8