Planning Commission Meeting Agenda

Tuesday, March 10, 2026 at 6:00 PM

The Tom Hardin Room – 100 Public Square, Mount Pleasant, TN

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1. **Call to Order**
2. **Pledge of Allegiance / Invocation**
3. **Roll Call**
   - **A.** John Hunter - *Chair*
     Jennifer Graham - *Vice Chair*
     Pam Johnston - *Secretary / City Commissioner*
     Kris Irvin - *Member*
     Cedric Hollis - *Member*
4. **Approval / Correction of Minutes from Prior Meetings**
   - **A.** Meeting Minutes February 10, 2026
5. **Completion / Review of Unfinished Business from prior meeting**
6. **Special reports from other City Departments or Committees if applicable**
7. **New Business**

   (Comments from citizens may or may not be included, dependent on the issues.)

   - **A.** Applicant **Haley Eastep** requests consolidation of two parcels totaling 0.62 acres located at **603 1st Avenue**, more fully described as **Map 133H, Group G, Parcel 002.00**. The current zoning is **R- 3 (High Density Residential)**.
   - **B.** Deferred from the February 10, 2026, Planning Commission meeting Applicant**Sam Hinson**, on behalf of owner **Pat Smith**, requests to subdivide 2 acres into two parcels measuring**0.96 acres**and **0.95 acres**, located at **208 Canaan Road**, more fully described as **Map 127, Parcel 026.00**. The current zoning is **R- 2 (Medium Density Residential)**.
   - **C.** Applicant**Joseph Haddix**, on behalf of the **Maury County Library Board**, has submitted a Site Plan application to construct a **9,996- square- foot Mount Pleasant Library** at **301 North College Street**, more fully described as **Map 133H, Group F, Parcel 03.01**.
8. **General comments from citizens (May be limited in time and/or number of comments.)**
9. **Board / Staff Comments / Adjournment**

Planning Commission Meeting Minutes

Tuesday, February 10, 2026 at 6:00 PM

The Tom Hardin Room – 100 Public Square, Mount Pleasant, TN

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1. Call to Order

Chair John Hunter called the meeting to order.

2. Pledge of Allegiance / Invocation

Vice Chair Graham led the pledge of allegiance and Secretary Johnston gave the invocation.

3. Roll Call

A. John Hunter - *Chair*

Jennifer Graham - *Vice Chair*

Pam Johnston - *Secretary / City Commissioner*

Kris Irvin - *Member*

Cedric Hollis - *Member*

City Manager Phillip Grooms, City Planning Consultant Will Hager, City Attorney Kori Bledsoe Jones and Director Chris Brooks were also present.

PRESENT
Chair John Hunter
Vice Chair Jennifer Graham
Secretary / City Commissioner Pam Johnston
Member Kris Irvin

Member Cedric Hollis was not present.

4. Approval / Correction of Minutes from Prior Meetings

A. Regular Session - November 12, 2025

Motion made by Vice Chair Graham to approve the previous meetings minutes and was Seconded by Member Irvin. Motion carried.
Voting Yea: Chair Hunter, Vice Chair Graham, Secretary / City Commissioner Johnston, Member Irvin.

5. Completion / Review of Unfinished Business from prior meeting

None at this time.

6. Special reports from other City Departments or Committees if applicable

None at this time.

A. Elect Officers for 2026

Vice Chair Jennifer Graham made a motion to retain John Hunter as Chairman and Secretary Pam Johnston seconded and motion carried.

Member Kris Irvin made a motion to retain Jennifer Graham as Vice Chair and Chair John Hunter seconded and motion carried.

Vice Chair Jenniferr Graham made a motion to retain Pam Johnston as Secretary and Chair John Hunter seconded and motion carried.

7. New Business

(Comments from citizens may or may not be included, dependent on the issues.)

A. Applicant: Steve Wade, representing Allensville Baptist Church request Approval to construct a 2,400 sq. ft. accessory fellowship building located at 1260 1st Avenue more described as (Map 132, Parcel 007.00) the current zoning is R-1 (Low Density Residential)

Vice Chair Graham made a motion to accept the waiver for landscaping and member Kris Irvin seconded. Motion carried.

Secretary Johnston made a motion to accept the waiver for the existing lighting and Vice Chair Graham seconded. Motion carried.

Motion made by Vice Chair Graham to waive the breezeway connection conditional on the Board of Zoning Appeals approval and member Irvin seconded. Motion carried.

B. Applicant Anna B. Brown request consolidation of two lots located at 205 South Main Street and 203 South Main Street, more described as Map 1330, Group F, Parcels 018.00 and 019.00 the current zoning is R-3 (High Density Residential)

Motion made by Vice Chair Graham to approve the request for consolidation of two lots on S. Main St. and was seconded by Member Irvin. Motion carried.
Voting Yea: Chair Hunter, Vice Chair Graham, Secretary / City Commissioner Johnston, Member Irvin.

C. Applicant: Sam Hinson, on behalf of owner Pat Smith request to subdivide 2 acres into two parcels, one 0.96-acre and one 0.95-acre parcels located at 208 Canaan Road more described as (Map 127, Parcel 026.00) the current zoning is R-2 (Medium Density Residential)

Deferred until next meeting

Motion made by Vice Chair Graham to defer until the next scheduled meeting to obtain more information regarding the sewer and was seconded by Member Irvin. Motion carried.
Voting Yea: Chair Hunter, Vice Chair Graham, Secretary / City Commissioner Johnston, Member Irvin.

D. Applicant: Roy Dale, on behalf of CB+D Ventures, LLC request to subdivide 74.10 acres into two parcels, one 31.90 acres and one 42.19 acres located off New Lawrenceburg Highway more described as (Map 152, Parcel 018.00) the current zoning is IL (Light Industrial)

Motion made by Vice Chair Graham to approve the request to subdivide 74.10 acres into two parcels and was seconded by Member Irvin.
Voting Yea: Chair Hunter, Vice Chair Graham, Secretary / City Commissioner Johnston, Member Irvin.

E. Applicant: Roy Dale, on behalf of CB+D Ventures, LLC request the approval of a site plan for a solar farm on a proposed 31.90-acre parcel, located off New Lawrenceburg Highway, more described as (Map 154, Parcel 016.12) the current zoning is IL (Light Industrial)

Deferred at applicant's request to obtain more information.

8. General comments from citizens (May be limited in time and/or number of comments.)

None at this time.

9. Board / Staff Comments / Adjournment

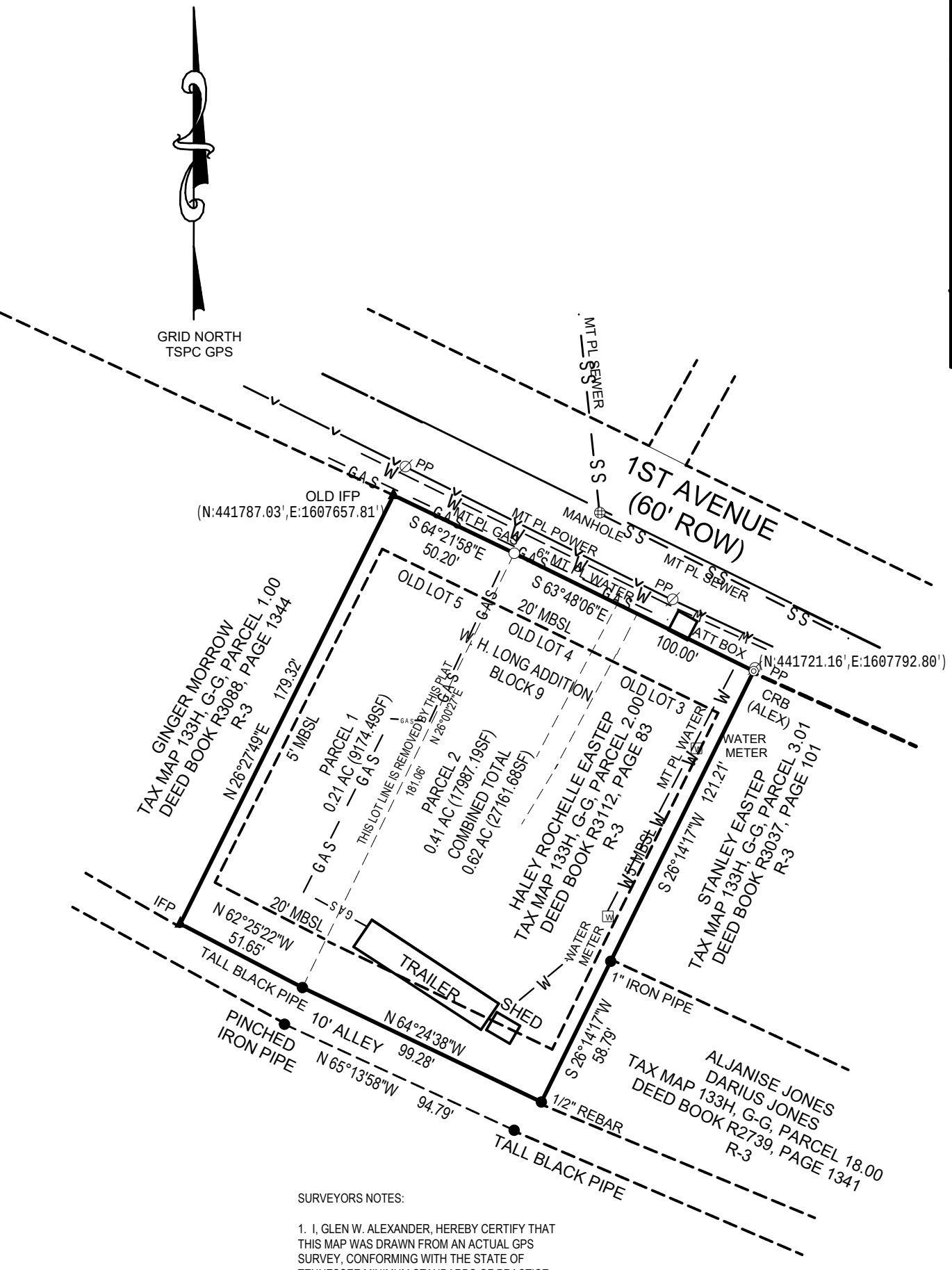
Motion made by Member Irvin to adjourn the meeting and was seconded by Vice Chair Graham.
Motion carried.
Voting Yea: Chair Hunter, Vice Chair Graham, Secretary / City Commissioner Johnston, Member Irvin.

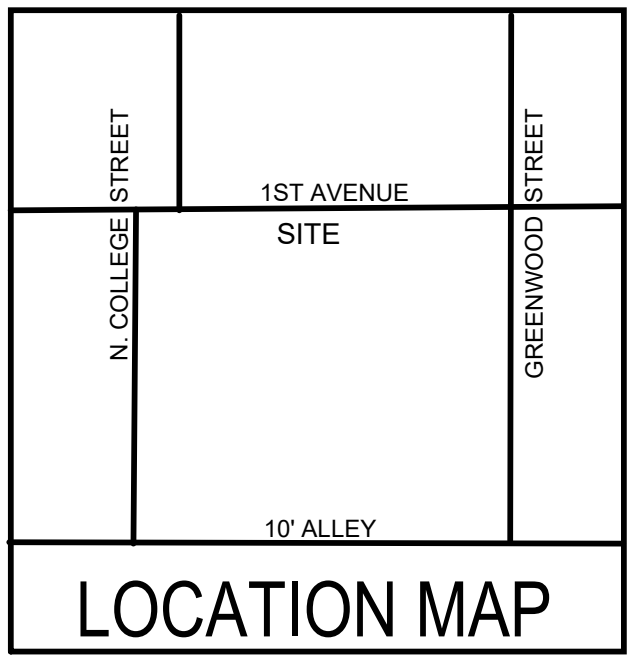
_____

Planning Commission Chairman

COMBINATION FINAL PLAT

THE PURPOSE OF THIS SURVEY IS TO COMBINE THE PROPERTY OF HALEY ROCHELLE EASTEP AT 603 1ST AVENUE, MT PLEASANT, TN 38474 TO ONE LOT, THIS PROPERTY HAS PARCEL 1 (0.21 AC (9174.49SF), ON WEST SIDE AND PARCEL 2 0.41 AC 17987.19SF ((ON EAST SIDE). TO BE COMBINED INTO REVISED PARCEL 2.00 CONTAINING A TOTAL OF 0.62 AC 927161.68SF). BEING PARCEL 20.00, G-G, ON TAX MAP 133H. BEING RECORDED IN DEED BOOK R3112, PAGE 83 (R.O.M.C.T.). LOCATED ON THE SOUTH SIDE OF 1ST AVENUE AND IN THE 4TH CIVIL DISTRICT OF MAURY COUNTY, TENNESSEE. BEING SHOWN MORE ACCURATELY HEREON:





NOTES:

1. These lots and adjoining parcels are zoned: R3
2. Minimim Building Setback Requirements:
   Front- 20 feet Rear-20 feet Side - 5 feet
3. All new driveway tiles shall be 18 inches in diameter and a minimum of 16.0 feet long.
4. Mailboxes and other structures on a county or state right-of-way shall be no larger than a single 4" wood post or a single 2" diameter metal post embedded no more than 24" into the ground.
5. When drive way pipes and cross drains for First Avenue shall have headwalls with the top of concrete not exceeding 4 feet above road level.
6. All electric, telephone, water, and cable TV lines are installed.
7. Note: A 10 feet Easement is on all property lines parallel and abutting public roads and a 5 feet Easement on all interior Lot lines for utility and drainage easement unless otherwise noted.

CERTIFICATE OF FLOOD ZONE

Firm Flood Map No. 47119C0265E Dated 4/16/07. (ZONE X) indicates that these parcels are not in a flood zone.

CERTIFICATE OF APPROVAL FOR RECORDING

I hereby certify that the subdivision plat shown and described hereon meets the requirements of the Mt. Pleasant Municipal Planning Commission with the exception of surch variances, if any, as noted in the minutes by the secretary of said commission and can be recorded in the Register's Office of Maury County, TN.

_____ _____
Date Secretary, Mt Pl Mun Planning Commission

SURVEYORS NOTES:

1. I, GLEN W. ALEXANDER, HEREBY CERTIFY THAT THIS MAP WAS DRAWN FROM AN ACTUAL GPS SURVEY, CONFORMING WITH THE STATE OF TENNESSEE MINIMUM STANDARDS OF PRACTICE AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:
   A. TYPE OF SURVEY: RTK
   B. POSITIONAL ACCURACY: 0.05'
   C. PUBLISHED/FIXED CONTROL: TDOT CORS NETWORK
   D. GEOID MODEL: GEOID 18
   E. DATUM/EPOCH: NAD83(2011)
   F. GPS: HYPER SF & IGAGE (BASE/ROVER)
   IGAGE IG8 NETWORK SMART GNSS
   G. TOPCON EDM ALSO USED TO CONFIRM GPS

CERTIFICATE OF WATER SYSTEM

I hereby certify that water system shown and described hereon meets the requirements of local and state agencies or a sufficient bond has beed posted that will guarantee said installation.

_____ _____
Date Authorized Agent/Departement

This is to certify that this plat has been reviewed & complies with Maury County E-911 Program.

_____ _____
Date E-911 Director

CERTIFICATE OF OWNERSHIP AND DEDICATION

I (We) hereby certify that I am (We are) the owner(s) of the Property shown and described hereon as evidenced in Deed Book Number R3112, Page 83 in the County Register's Office, and that I (We) hereby adopt this plan of Subdivision with my (our) free consent, establish the minimum building restriction lines, and that offers of Irrevocable dedication for all public ways, utilities and other facilities have been filed.

Date_____Owner_____
HALEY ROCHELLE EASTEP

OWNER:

HALEY ROCHELLE EASTEP
101 IRIS DRIVE
MT. PLEASANT, TN 38474
SITE ADDRESS:
603 1ST AVENUE
MT. PLEASANT, TN 38474
TAX MAP 133H, G-G, PARCEL 2.00
DEED BOOK R3112, PAGE 83
FOURTH (4TH) CIVIL DISTRICT
MAURY COUNTY, TENNESSEE

SURVEYOR:

GLEN W. ALEXANDER
2481 MOORESVILLE PK
CULLEOKA, TN 38451
REGISTERED LAND SURVEYOR
RLS # 2035
PHONE: 931-698-2338
EMAIL: glenwood@bellsouth.net

FOUND CORNERS.....
SET CORNERS (1/2" Rebar).....
FENCE LINES
POWER LINES
WATER LINES
SCALE: 1" ==========50'
50 FEET
1 INCH

SURVEYORS CERTIFICATE

I hereby certify that this is a a Category I Survey and that the ratio of precision of the unadjusted survey is 1:10,000' as shown hereon.

_____ _____
Date Glen W. Alexander, TN RLS#2035

file Brian Hay

This Instrument Prepared By:
Tammy L. Anderson, Attorney at Law
104 W. 6th Street, Ste. 200
Columbia, TN 38401

Name and Address of New Owner:	Name and Address of Entity Responsible for Payment of Real Property Taxes
Haley Rochelle Eastep	
101 Iris Drive	Same as New Owner
Mount Pleasant, TN 38474	

QUITCLAIM DEED

FOR AND IN CONSIDERATION OF One Dollar ($1.00) and other good and valuable consideration, the receipt and legal sufficiency of all of which are hereby acknowledged, **Stanley Eastep, a married person** *(herein called "Grantor")*, does hereby convey, transfer, remise, release, relinquish and quitclaim to **Haley Rochelle Eastep, an unmarried person** *(herein called "Grantee")*, all of Grantor's right, title and interest in and to the following described property situated and located in Maury County, Tennessee, to wit:

Parcel 1#: Beginning at a point in the South line of First Avenue (Hampshire-Mt. Pleasant Pike) 136.9 ft. E. from the E margin on College Street and running thence South with the said West End (First) Avenue 50 feet to the Northwest corner of Lot #4, Block #9 of feet to the North line of a W. H. Long Addition to Mt. Pleasant; thence running South with the West Line of Lot #4 180 feet to the North line of a 10 feet alley; thence West with the North line of the 10 foot alley 50 feet in a North direction, a direct line to the point of beginning.

Parcel #2: Beginning at the Northeast corner of Kittrell lot; thence East with South, Margin of West End (First Avenue (Mt. Pleasant-Hampshire Pike) 100 feet to the Northwest corner of W. F. Cummins; thence South with Cummins West line 180 feet, more or less to a 10 foot alley; thence West with the North margin of a 10 foot alley 100 feet to southeast corner of Kitrell; thence North with Kittrell's East line and being Lots 3 and 4 of Block 9.

Being a portion of the same property conveyed to Stanley Eastep by instrument of record in Book R2291, Page 1375 in the Maury County, Tennessee Register of Deeds office.

Tax Parcel #133H-G-002.00
Known as 603 1st Avenue

The property description used herein above is the same as contained in the last deed of reference and no new boundary survey is available.

The words "Grantor" and "Grantee" shall include their respective successors and assigns where the context requires or permits.

IN WITNESS WHEREOF, the Grantor has caused this instrument to be executed on this 20 day of November, 2025.

BK/PG: R3112/83-84
25017114

2 PGS:AL-QUITCLAIM DEED	
JANE BATCH: 366367	11/21/2025 - 10:06 AM
VALUE	0.00
MORTGAGE TAX	0.00
TRANSFER TAX	0.00
RECORDING FEE	10.00
ARCHIVE FEE	0.00
DP FEE	2.00
REGISTER'S FEE	0.00
TOTAL AMOUNT	12.00

STATE OF TENNESSEE, MAURY COUNTY
JOHN FLEMING
REGISTER OF DEEDS

GRANTOR:

Stanley Eastep

NOTE: Grantor warrants and affirms that the above described real property is not now and has never been his or his spouse's primary marital residence.

STATE OF TENNESSEE
COUNTY OF MAURY

Before me, the undersigned, a Notary Public in and for the aforesaid state and county, personally appeared **Stanley Eastep**, to me known to be the person(s) described therein (or who proved to me to be the same on a satisfactory basis) and who acknowledged that the foregoing instrument was executed for the purposes therein contained.

Witness my hand and seal at office in the aforesaid state and county this 20 day of November, 2025.

Tammy L. Anderson
Notary Public
My Commission Expires: 9/17/29

(SEAL)

THE PREPARER OF THIS INSTRUMENT MAKES NO REPRESENTATIONS OR CERTIFICATIONS AS TO THE CONDITION OF TITLE TO THE ABOVE-DESCRIBED PROPERTY AND HAS PREPARED THIS INSTRUMENT BASED SOLELY UPON INFORMATION PROVIDED BY THE PARTIES. FURTHERMORE, NO TAX ADVICE (GIFT TAX OR INCOME TAX), NOR ESTATE PLANNING (TENNCARE, MEDICAID, NURSING HOME, ETC.) ADVICE WAS ASKED FOR OR PROVIDED TO GRANTOR OR GRANTEE.

UPON SIGNING THIS DEED IT SHOULD BE RECORDED IN THE REGISTER OF DEEDS OFFICE AS SOON AS POSSIBLE TO AID IN PROTECTING GRANTEE'S OWNERSHIP INTEREST FROM ADVERSE MATTERS (LIENS, ETC.) FILED PRIOR TO RECORDING THIS DEED.

GRANTEE AND GRANTOR ARE STRONGLY ADVISED TO IMMEDIATELY NOTIFY AND CONFER WITH ANY EXISTING HOMEOWNERS INSURANCE COMPANY (CASUALTY, LIABILITY, ETC.) OF THE CHANGE IN OWNERSHIP OF THE HEREIN CONVEYED PROPERTY TO AVOID ANY POSSIBLE LAPSE OR TERMINATION OF COVERAGE DUE TO CHANGE IN OWNERSHIP.

THE PREPARER OF THIS INSTRUMENT IS NOT THE SETTLEMENT AGENT FOR THIS TRANSACTION FOR I.R.S. REPORTING REQUIREMENTS OR FOR ANY OTHER PURPOSE.

I hereby swear or affirm that to the best of affiant's knowledge, information and belief, the actual consideration for the transfer of the property transferred is $ 0.

Affiant

Subscribed and sworn to before me this 20 day of November, 2025.

(SEAL)

Tammy L. Anderson
Notary Public
My Commission Expires: 9/17/29

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FINAL PLAT
SUBDIVISION OF THE
BILLY H. & PATRICIA E. SMITH PROPERTY
7TH CIVIL DISTRICT OF MAURY COUNTY
TAX MAP 127, PARCEL 26.00
DEED BOOK 669, PAGE 364
R.O.M.C.

NOTES:

1. THE PURPOSE OF THIS PLAT IS TO SUBDIVIDE TAX MAP 127, PARCEL 26.00, DEED BOOK 669, PAGE 364. THIS SURVEY IS PROVIDED TO SAM HINSON (OWNER).

2. I, TRACY SEIBER, HEREBY CERTIFY THAT THIS MAP WAS DRAWN FROM AN ACTUAL GPS SURVEY, PREFORMED ON 1/9/2026 CONFORMING WITH STATE OF TENNESSEE MINIMUM STANDARDS OF PRACTICE AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:
   A. TYPE OF SURVEY: RTK
   B. POSITIONAL ACCURACY: 0.05'
   C. PUBLISHED/FIXED CONTROL: TDOT CORS NETWORK (MSM_NEAR)
   D. GEOID MODEL: GEOID 18
   E. DATUM/EPOCH: NAD83(2011)
   F. DISTANCE: GRID (GRID TO GROUND FACTOR:1.00006177253279)
   G. GPS: CARLSON BRX7 (BASE/ROVER)

3. SUBJECT PARCELS ARE NOT WITHIN A FLOOD ZONE ACCORDING TO FIRM MAP 47119C0265E DATED 4/16/2007.

4. PROPERTY IS ZONED R2 CITY OF MT. PLEASANT ZONING ORDINANCE.
   BUILDING SETBACKS:
   FRONT 25'
   REAR 20'
   SIDE 10'

5. THIS PROPERTY IS SUBJECT TO ANY AND ALL RIGHT-OF-WAYS, EASEMENTS, EXCEPTIONS, AND/OR RESTRICTIONS, RECORDED AND UNRECORDED, WHICH MAY AFFECT THIS PROPERTY.

6. PROPERTY ADDRESS:
   208 CANAAN RD
   MT PLEASANT TN 38474

7. ALL UNDERGROUND UTILITIES ARE NOT VERIFIED BY UTILITY OWNERS AND BASED ONLY ON FIELD EVIDENCE AND SCALED FROM UTILITY OWNER MAPS. CALL 811 BEFORE ANY EXCAVATION.

8. UTILITIES PROVIDED BY
   MOUNT PLEASANT POWER SYSTEM
   123 N. MAIN ST
   MOUNT PLEASANT, TN 38474

   MOUNT PLEASANT UTILITIES
   100 PUBLIC SQUARE
   MOUNT PLEASANT, TN 38474

9. OWNERS AND ADDRESS
   BILLY H. SMITH
   PATRICIA E. SMITH
   208 CANAAN RD
   MT PLEASANT TN 38474

10. THIS SURVEY IS BASED ON FIELD EVIDENCE AND CURRENT DEEDS OF RECORD. A TITLE SEARCH WAS NOT PROVIDED AT TIME OF SURVEY. THE CERTIFICATION PROVIDED ON THIS SURVEY IS A STATEMENT OF PROFESSIONAL OPINION BASED ON FIELD EVIDENCE, EXPERIENCE, AND DOCUMENTS OF RECORD AT THE COUNTY REGISTER OF DEEDS OFFICE. THIS SURVEY IS NOT AN EXPRESSED OR IMPLIED WARRANTY OR GUARANTEE.

11. THE FEATURES AND IMPROVEMENTS SHOWN ON THIS MAP THAT ARE LOCATED ON SURVEYED PROPERTY ARE NOT INTENDED TO REPRESENT A FULL AS-BUILT SURVEY OF THE PARCELS AND EASEMENTS SHOWN BUT ARE INCLUDED FOR VISUAL AND REFERENCE PURPOSES ONLY.

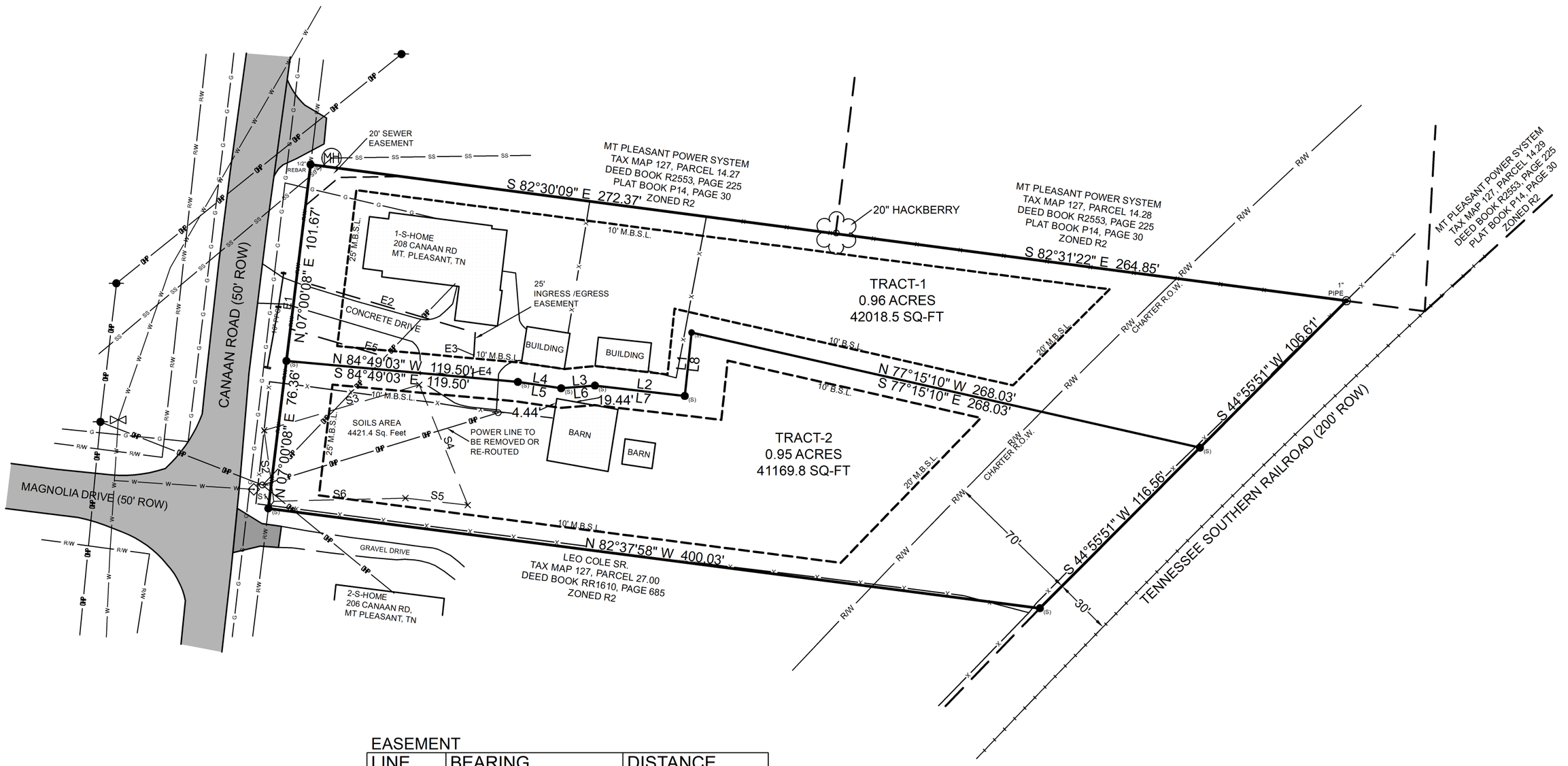
12. ALL AREAS SHOWN ON THIS PLAT WERE CALCULATED BY COORDINATE COMPUTATIONS.

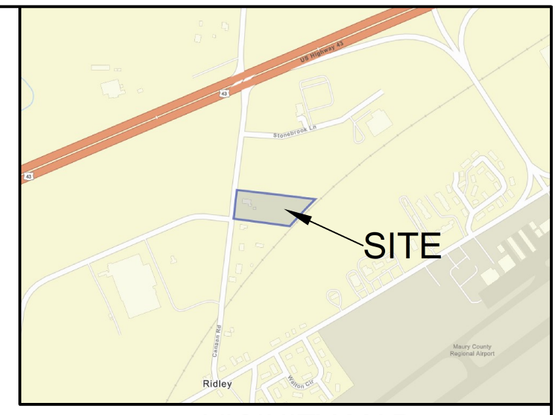
13. ALL RIGHT OF WAYS WERE DETERMINED FROM TDOT ROW PLANS FOR STATE AND FEDERAL HIGHWAYS AND REFERENCE DEEDS FOR ALL LOCAL ROADS.

14. THIS SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS, OR ENTITY, IF ANY, NAMED ON THE CERTIFICATION HEREON, SAID CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED PERSON WITHOUT AND EXPRESS RECERTIFICATION BO THE SURVEY NAMING SAID PERSON.

15. ALL IRON PINS SET ARE 1/2" REBAR WITH CAP STAMPED SEIBER, 2397.

16. A 10' RESERVATION AREA IS ALONG THE WEST LINE OF TRACT-1 FROM EXISTING MANHOLE TO PROPERTY LINE OF TRACT-2 FOR POTENTIAL FUTURE SEWER EASEMENT.





VICINITY MAP
(NOT TO SCALE)

EASEMENT

LINE	BEARING	DISTANCE
E1	N 07°00'08" E	25.34'
E2	S 73°34'21" E	95.90'
E3	S 03°25'12" W	23.24'
E4	N 84°49'03" W	12.06'
E5	N 73°34'21" W	85.15'

LINE	BEARING	DISTANCE
L1	S 06°06'34" W	32.78'
L2	N 83°24'27" W	46.51'
L3	S 85°29'43" W	17.39'
L4	N 81°42'31" W	22.51'
L5	S 81°42'31" E	22.51'
L6	N 85°29'43" E	17.39'
L7	S 83°24'27" E	46.51'
L8	N 06°06'34" E	32.78'

SOILS AREA

LINE	BEARING	DISTANCE
S1	N 37°40'50" E	4.63'
S2	N 07°40'24" W	36.79'
S3	N 73°39'24" E	83.09'
S4	S 21°57'23" E	66.62'
S5	N 83°39'21" W	32.22'
S6	S 88°38'19" W	67.73'

LEGEND

- (S) IRON PIN SET
- (F) IRON PIN FOUND
- 1" IRON PIPE
- TREE
- POWER POLE
- SEWER MANHOLE
- UTILITY POLE
- WATER VALVE
- WATER METER
- FENCE
- BUILDING SETBACK LINE (M.B.S.L.)
- GAS LINE
- RAILROAD CENTERLINE
- RIGHT-OF-WAY
- SEWER LINE
- OVERHEAD POWER
- WATERLINE

0 50 100 150

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THE HEREON SHOWN SUBDIVISION PLAT REPRESENTS A CATEGORY IV SURVEY HAVING A 95% CONFIDENCE LEVEL AND IS TRUE AND CORRECT. APPROVED MONUMENTS HAVE BEEN PLACED AS INDICATED. ALL SIDE LOT LINES ARE AT RIGHT ANGLES OR RADIAL TO A STREET UNLESS OTHERWISE NOTED.

3/3/2026
DATE

TRACY SEIBER, RLS 2397

TRACY K SEIBER REGISTERED LAND SURVEYOR XV1 AGRICULTURE COMMERCE TENNESSEE NO. 2397

CERTIFICATE OF OWNERSHIP AND DEDICATION

I hereby certify that I am the owner of the property shown and described hereon as evidence recorded in Book Number 669, Page 364, Maury County Register's Office, and that I hereby adopt this plan of subdivision with my free consent, establish the minimum building restriction lines, and that offers of irrevocable dedication for all public ways, public easements, utilities, and other facilities have been filed.

DATE BILLY H. SMITH

DATE PATRICIA E. SMITH

CERTIFICATE OF APPROVAL FOR RECORDING

I hereby certify that the subdivision plat shown hereon has been found to comply with the City of Mount Pleasant Subdivision Regulations, with the exception of such variances, if any, as are noted in the Minutes of the Planning Commission, and that it has been approved for recording in the Office of the County Register.

DATE SECRETARY MOUNT PLEASANT MUNICIPAL PLANNING COMMISSION

CERTIFICATE OF APPROVAL OF WATER SYSTEM

I hereby certify that the water system(s) outlined or indicated on the final plat entitled Smith Property has/have been installed in accordance with current local and state government requirements, or a sufficient bond or other surety has been filed to guarantee said installation.

DATE CITY OF MOUNT PLEASANT

CERTIFICATE OF APPROVAL FOR SEWER SYSTEM

I hereby certify that the sewer system outlined or indicated on this final subdivision pat has been installed in accordance with the current local and state government requirements, or a sufficient bond or other surety has been filed to guarantee said installation.

DATE DIRECTOR OF WASTE WATER DEPARTMENT MOUNT PLEASANT

E-911 PROGRAM CERTIFICATION OF APPROVAL

This is to certify that this plat has been reviewed and is in compliance with the Maury County E-911 Program

DATE E-911 DIRECTOR

TRACY SEIBER
102 AVALON DRIVE
COLUMBIA, TN 38401
SEIBERSURVEYING@GMAIL.COM (931)446-6

DRAWING BY: T. SEIBER DATE: 1/9/2026
SCALE:1"=50' JOB NO.:01-2026
DRAWING 01-2026 HINSON.DWG R1 SHEET 1 OF 1

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

PERMIT FOR CONSTRUCTION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM

Issued to: Samuel Hinson

Location:
County: Maury
Address: Canaan Rd-Beside 208
City: Mt. Pleasant
Subdivision:
Lot #:

Map: 127 Group: Parcel: 026.00

Installation:
(**X**) 1. New Installation
( ) 2. Repair to Existing System
( ) 3. System Modification
( ) 4. Large System

Establishment:
(**X**) 1. Residential: # Bedrooms **3**
( ) 2. Other:
Gal/Day:

Evaluation Based Upon:
( ) 1. Soil Typing by Soil Scientist
( ) a. General
( ) b. High Intensity
( ) c. Extra High Intensity
( ) 2. Soil Percolation Test
(**X**) 3. Environmental Scientist
Estimated Absorption Rate: **60** MPI

Type of System:
(**X**) 1. Conventional
( ) 2. Modified Conventional
(**X**) 3. Conventional System Substitute
(**X**) Chamber
(**X**) Expanded Polystyrene
(**X**) Large Diameter Gravelless Pipe
Gravel backfill in a 24 in. wide trench required? **No**
( ) 4. Low Pressure Pipe
( ) 5. Mound
( ) 6. Lagoon
( ) 7. Subsurface Drip System
( ) 8. Other:

Approval Based Upon: State No. T.C.A. 68-221-403
( ) (c) Percolation Test
( ) (d) Grandfather Clause - Current standards except those specified
( ) (f) 12" (karst) and 6" (non-karst) buffer required
( ) (m) 3rd Party Permit Package
( ) (i) 9" Buffer required (24"-36" total soil depth)
( ) (k) Grandfather Clause - Meets June 30, 1990, standards (repair only)
(**X**) Current Standards
( ) Other:

The system shall consist of a two-compartment septic tank holding 900 (min) gallons, with 330 linear feet in 5-6 trenches, 36 inches wide and 24 (min) to 30 (max) inches in depth. (Depth of gravel: 12 inches)

SIP Depth (in): **SIP Length (ft):**
SIP Comments:

General Comments:
Locate fieldines to front of house in area shown

Also Required:
( ) 1. Soil Improvement Practice (SIP)
( ) Curtain Drain
( ) Drawdown Drain
( ) Interceptor Drain
( ) 2. Flow Diversion Valve
( ) 3. Sewage Pump
Pump Flow Rate (gpm):
TDH (ft):
( ) 4. Single Compartment Pump Tank, Volume (gal):
( ) 5. Other:

All installers of subsurface sewage disposal systems must hold a valid annual license from the Tennessee Department of Environment and Conservation.

Please see attached drawing and supporting documentation.

The recipient of this permit agrees to construct or have constructed the above-described system in accordance with T.C.A. 68-221-401 et. seq. and The Regulations To Govern Subsurface Sewage Disposal Systems. If any part of the system is covered before inspected and approved, it shall be uncovered by the recipient of the permit at the direction of personnel of the Department of Environment and Conservation. **Any cutting, filling or alterations of the soil conditions on the aforementioned property after this day may render this approval null and void.**

By: Alan Floyd (DWR Staff) **Date:** 02/12/2026 (Date of Issue)

This permit is valid for 3 years from date of issue.
This is a permit to construct and is not intended to imply approval of any work proposed or completed on this lot.

Tennessee Department of Environment and Conservation - Division of Water Resources

Permit for Construction of a Subsurface Sewage Disposal System

Issued To: Samuel Hinson

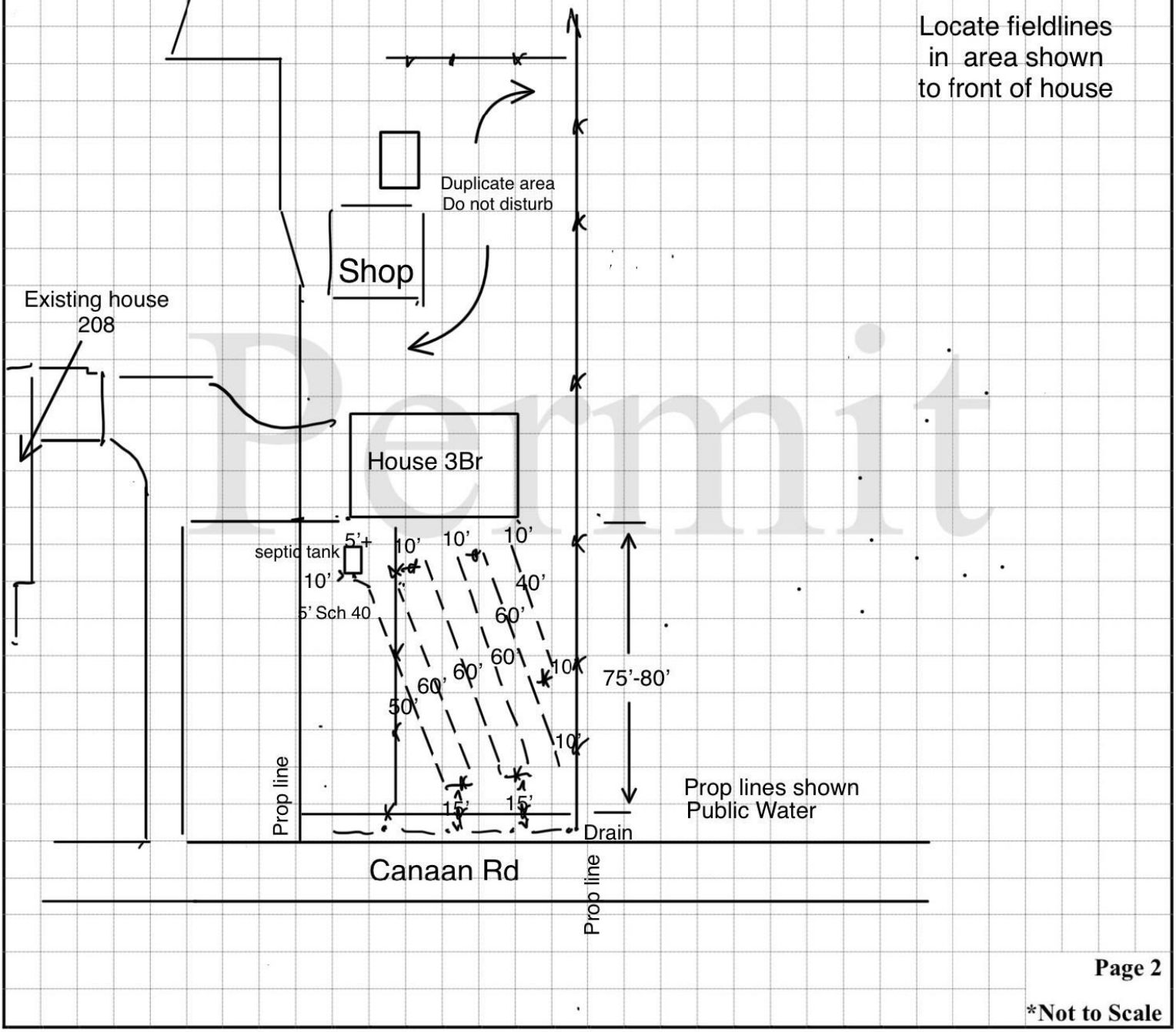
Location: Canaan Rd -Beside 208

Inspector: Alan Floyd

Date: 2/11/26

General Notes:

- Please refer to the design specifications for the subsurface sewage disposal system on the first page of the construction permit.
- Contact the local Division of Water Resources representative to schedule a final inspection.
- All electric components (e.g., pump, alarm, etc.) for the subsurface sewage disposal system must be inspected and approved by the appropriate electrical inspector prior to requesting a final inspection. Documentation of the electrical inspection must be available during the final inspection.



Permit

Page 2

*Not to Scale

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES
Land-Based Systems Unit
William R. Snodgrass – Tennessee Tower
312 Rosa L. Parks Ave., 11th Floor
Nashville, TN 37243-110

APPLICATION FOR WATER RESOURCES SERVICES
APPLICANT
COMPLETE QUESTIONS

1. Service Requested (Check Service) — **Fees Due**

X	Septic System Construction Permit	
X	Dwelling	$ 400.00 PAID
	Commercial: gdp	$
	System Modification	$
	Repair	$
X	Conventional Construction Inspection	$ 100.00 PAID
	Inspection Letter	$
	Certificate of Verification	$
	Water Sample	
	Total Coliform	$
	Fecal Coliform	$
	Alternative System Permit	$
	Alternative Construction Inspection	$
	Large Conventional System Plan Review	$
	Large Alternative System Plan Review	$
	Experimental System Plan Review	$
	Subdivision Evaluation: Lots:	$
	Pumping Contractor – Septage Application	$

2. LANDOWNER:
Names: Samuel Hinson
Address: 208 Canaan Rd, Mt. Pleasant, Tennessee 38401
Day Phone: 6154465900
Original Owner: Samuel Hinson

APPLICANT:
Names: Marty Hebert
Address: 8670 Forks River Rd 8670 Forks River Rd, Hurricane Mills, Tennessee 37078
Day Phone: 6155875141
Email: marty.hebert@claytonhomes.com

Site Address:
Adresss: TBD Canaan Rd, Mt. Pleasant, Tennessee 38474

3. LOCATION OF LOT OR SITE: a) Subdivision Name: _____ Lot # 2

b) In a subdivision? Yes — Give specific directions and address to the lot or site: Property is marked and home site is approximately 30' from front property line and is a subdivided lot from 208 Canaan Rd, Mt. Pleasant TN

c) Tax Map 127 Parcel 026.00

FOR SSDS PERMIT
4. ONLY: a) Size of lot 1.00 b) Number of Bedrooms 3 Bedrooms Added _____

c) How many occupants? _____ d) Excavated Basement? Yes _____ No X

e) Basement Plumbing Fixtures? Yes _____ No X

f) Amount of water used monthly (gallons) _____

g) Water Supply: Public X Well _____ Spring _____

h) Is the lot staked? Yes If not, date it will be staked: _____

Is the house staked? yes If not, date it will be staked: _____

i) Installer, if known: Jeff Pack Construction

5. FOR INSPECTION LETTER ONLY AND CERTIFICATE OF VERIFICATION ONLY:

a) Age of house b) Is house vacant? How long?

c) Original sewage system inspected

d) Date of previous repairs Inspected

e) Is wastewater "backing up" into plumbing fixtures? Surfacing on the ground?

f) All wastewater including washing machines routed into septic tank

6. FOR WATER SAMPLE ONLY: a) Source of Supply: Spring Well Other

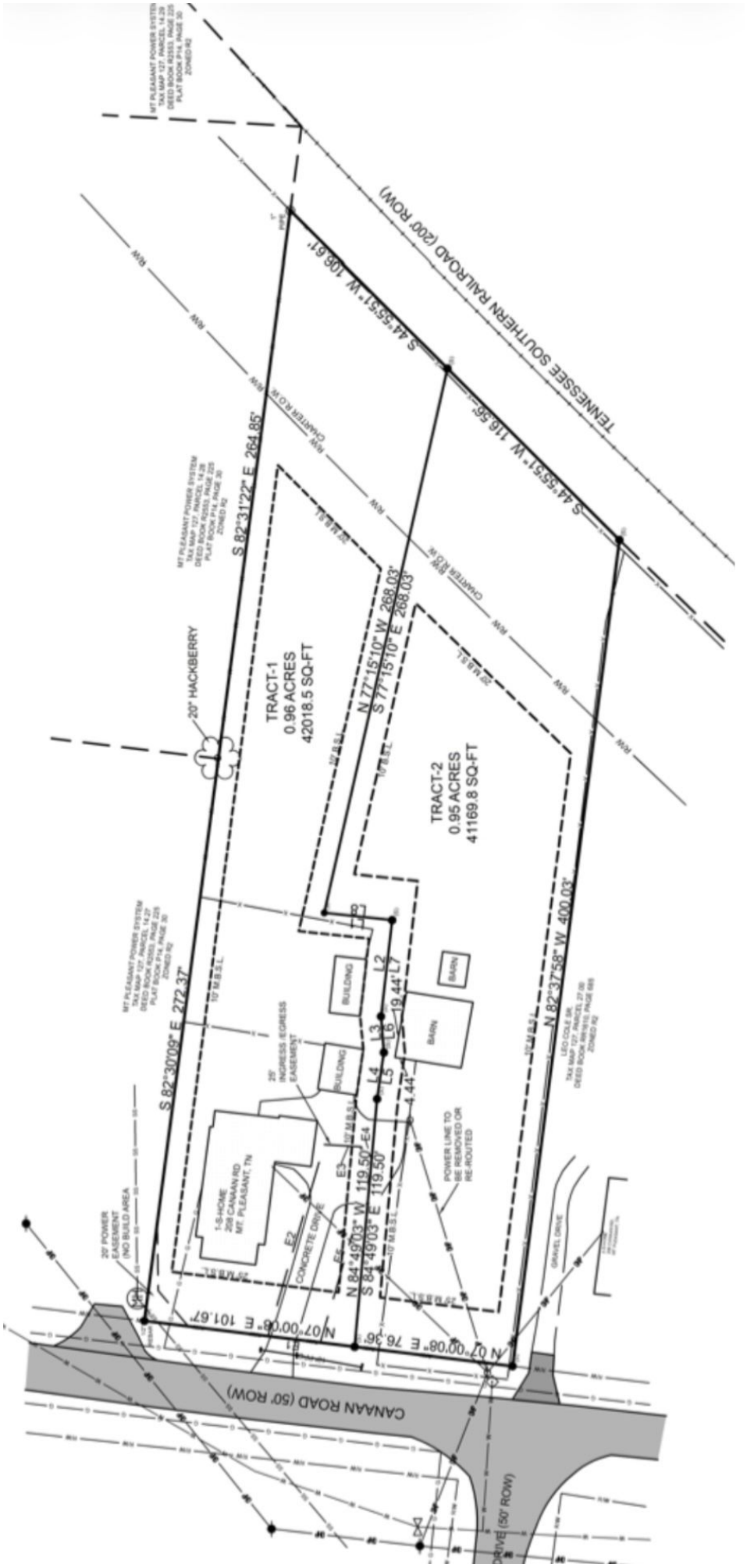
b) Is there an outside faucet? c) Is the source chlorinated?

d) For Wells: Is the casing 6" above the ground? Is a sanitary seal on the casing?

7. I certify that the above information is true and correct to the best of my knowledge; **I have been authorized by the above name landowner** to submit this application for Environmental Services to the Division of Water Resources.

DATE: Feb 11, 2026 SIGNATURE: Marty Hebert AMOUNT PAID: 500.00 RECEIPT NUMBER: 3915416643

CN-0971 (Rev. 1-18) **RDA's 2321 &2403**


TENNESSEE SOUTHERN RAILROAD (200' ROW)
S 44°55'51" W 108.61'
S 44°55'51" W 116.56'
S 82°31'22" E 264.85'
N 77°15'10" W 268.03'
S 77°15'10" E 268.03'
TRACT-1
0.96 ACRES
42018.5 SQ-FT
TRACT-2
0.95 ACRES
41169.8 SQ-FT
20" HACKBERRY
S 82°30'09" E 272.37'
N 82°37'58" W 400.03'
S 84°49'03" W 119.50'
N 84°49'03" E 119.50'
N 07°00'08" E 101.67'
N 07°00'08" E 76.36'
CANAAN ROAD (50' ROW)
CHARTIER RD. NW
1-S-HOME
209 CANAAN RD
MT. PLEASANT, TN
BUILDING
BARN
CONCRETE DRIVE
GRAVEL DRIVE
POWER LINE TO BE REMOVED OR RE-ROUTED
25' INGRESS /EGRESS EASEMENT
25' POWER EASEMENT (NO BUILD AREA)

69.00
68.00
20.00
19.00
18.00
17.00
Canaan Rd
14.27
14.28
25.00
Canaan Rd
27.00
18.00
14.05

W
W
G
G

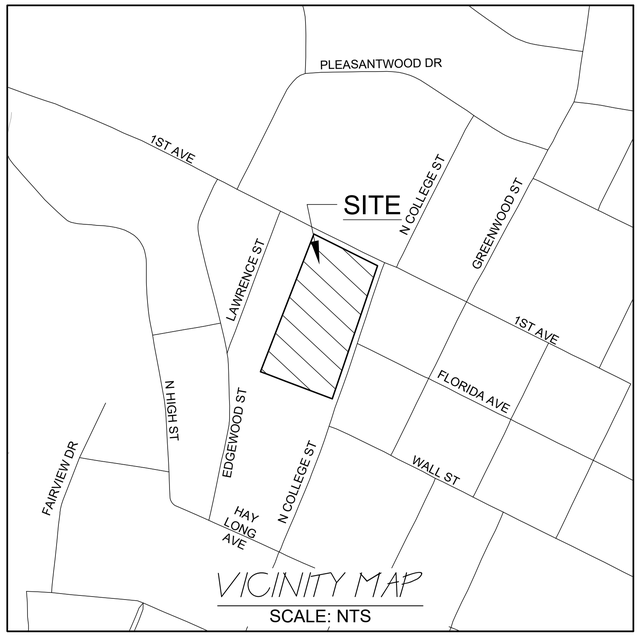
SITE PLAN

NEW MOUNT PLEASANT LIBRARY

301 N COLLEGE ST, MOUNT PLEASANT, MAURY COUNTY, TENNESSEE

SHEET INDEX

C0.00	COVER
C1.00	EXISTING CONDITIONS
C2.00	SITE LAYOUT PLAN
C3.00	GRADING & DRAINAGE PLAN
C3.01	SWPPP - STAGE 1
C3.02	SWPPP - STAGE 2
C3.03	SWPPP - STAGE 3
C3.04	SWPPP - NOTES AND DETAILS
C4.00	SITE UTILITY PLAN
C5.00	CIVIL NOTES
C5.01	CIVIL DETAILS
C5.02	CIVIL DETAILS
C6.00	TURN TEMPLATE
L1.00	LANDSCAPE PLAN
E1.00	PHOTOMETRIC PLAN
A2.1	ARCHITECTURAL ELEVATIONS
A2.2	ARCHITECTURAL ELEVATIONS
	ARCHITECTURAL RENDERING



VICINITY MAP

SCALE: NTS

MAP 133H & PARCEL 3.01
TOTAL SITE ACREAGE = 5.61 A.C.
DISTURBED AREA = 2.96 A.C.
ZONING: R1

PROJECT CONTACTS

OWNER

CITY OF MOUNT PLEASANT

CONTACT: CITY MANAGER PHILLIP GROOMS
100 PUBLIC SQUARE
P.O. BOX 426
MOUNT PLEASANT, TN 38474
PH: 931-379-7717
EMAIL: PGrooms@MtPleasant-TN.gov

PLANNER | ENGINEER

HERITAGE CIVIL, PLLC

CONTACT: JOE HADDIX
2055 N MT. JULIET RD STE 204
MT. JULIET, TN 37122
PH: 615-403-9008
EMAIL: JoeH@HeritageCivil.com

OWNER REPRESANTATIVE

HEWLETT SPENCER

CONTACT: ABBY SPENCER
100 PUBLIC SQUARE
5543 EDMONDSON PIKE
BRENTWOOD, TN 37027
PH: 615-832-5026
EMAIL: ASpencer@HewlettSpencer.com

ARCHITECT

NUBER ARCHITECTURE LLC

CONTACT: GEORGE NUBER
1069 ROLLING FIELDS CIRCLE
COLUMBIA, TN 38401
PH: 615-403-9008
EMAIL: George@NuberArchitectureLLC.com

DEVELOPER

MAURY COUNTY LIBRARY BOARD

CONTACT: TRACY VOYLES
200 HAY LONG AVENUE
MOUNT PLEASANT, TN 38474
PH: 931-379-3752
EMAIL: TracyVoyles@gmail.com

LANDSCAPE ARCHITECT

GREENSPACE DESIGN

CONTACT: JOSH HENRICK
11113 MURFREESBORO RD STE 106-303
FRANKLIN, TN 37064
PH: 615-428-8425
EMAIL: JHenrick@Greenspace-Design.com

Tennessee811
Know what's below.
Call before you dig.

HERITAGE CIVIL
2055 N. Mt. Juliet Road, Ste 204
Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H - Parcel 3.01

PLAN SET REVISION LOG:

No.	Description	Date
1	PLANNING COMMISSION INITIAL SUBMITTAL	02/26/2026
2	PLANNING COMMISSION RESUBMITTAL	03/25/2026

SEAL

COVER

C0.00

HC PROJECT NO.: 25-041

Feb 27, 2026 - 7:27am \\heritage-server\Data\Projects\2025\25-041-01\Cadd\Civil\Site Plan\25-041-01 - C0.00 - Cover.dwg

HERITAGE CIVIL PLLC
2055 N. Mt. Juliet Road, Ste 204
Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H, Parcel 301

PLAN SET REVISION LOG:

No.	Description	Date
1	PLANNING COMMISSION INITIAL SUBMITTAL	02/26/2026
2	PLANNING COMMISSION RESUBMITTAL	03/24/2026

SEAL
JOSEPH M. HADDAD
REGISTERED ENGINEER
STATE OF TENNESSEE
NUMBER 114921
02/26/26

EXISTING CONDITIONS

C1.00

HC PROJECT NO.: 25-041

PROJECT BENCHMARK:
DESCRIPTION: TAG BOLT ON FIRE HYDRANT
N: 1419570.17
E: 1607547.36
ELEV: 699.66'

SCALE: 1"=30'

F.E.M.A Note:

According to F.E.M.A. F.I.R.M. Map number 47119C0265E, effective date April 16, 2007, this site lies within Zone X which is determined to be outside the 500 year floodplain.

Feb 27, 2026 - 7:27am \\heritage-server\Data\Projects\2025\25-041-01\Cadd\Civil\Site Plan\25-041-01 - C1.00 - Existing Conditions.dwg

GENERAL NOTES:
1. ALL UTILITIES ARE PROPOSED TO BE UNDERGROUND
2. ALL BUILDING MATERIALS SHALL BE DISPOSED OFFSITE. MATERIAL SHALL BE DISPOSED IN CONFORMATION WITH STATE AND LOCAL REGULATIONS.

SITE DATA TABLE

MAP 133H, PARCEL 3.01
ADDRESS: 301 N COLLEGE STREET
CITY: MOUNT PLEASANT
COUNTY: MAURY
STATE: TENNESSEE

TOTAL SITE ACRES	244,154 S.F. (5.61 A.C.±)
ZONING	R1
BUILDING COVERAGE	10,596 S.F.
BUILDING COVERAGE (ALLOWED)	30%
BUILDING COVERAGE (PROVIDED)	4.34%
MAXIMUM BUILDING HEIGHT	35'
PARKING REQUIRED	GOVERMENT FACILITY & OFFICES 3/1000 X 9,996 = 30 TOTAL REQUIRED: 30 SPACES
PARKING TOTAL (PROPOSED)	103 SPACES TOTAL
HANDICAP PARKING (REQUIRED)	5 SPACES (101-150 TOTAL SPACES)
HANDICAP PARKING (PROPOSED)	7 SPACES
MIN. LOT AREA	18,000 S.F.
MIN. LOT WIDTH	90'
YARD REQUIREMENTS	FRONT YARD: 30' SIDE YARD: 15' REAR YARD: 20'

NOTE: SEE SHEETS C5.00 FOR ADDITIONAL NOTES

PROPOSED RESTROOM 600 S.F. (SEE ARCHITECTURAL PLANS FOR EXACT BLDG. DIMENSIONS)

PROPOSED BUILDING 9,996 S.F. FFE= 688.70 (SEE ARCHITECTURAL PLANS FOR EXACT BLDG. DIMENSIONS)

SOFTBALL FIELD

DOG PARK

DETENTION POND #1

LIGHT DUTY PAVEMENT (TYP.)

HEAVY DUTY PAVEMENT (TYP.)

N 21°12'04" E 707.96

N 69°04'10" W 92.80'

N 69°23'54" W 242.59'

S 18°50'38" W 673.65'

N COLLEGE STREET (R/W 50') PLAT BOOK 5, PAGE 318 R.O.M.C.

1ST AVENUE (R/W 56') PLAT BOOK 5, PAGE 318 R.O.M.C.

FLORIDA AVENUE

ASPHALT

GRAVEL

CHAIN LINK FENCE

EDGE OF PAVEMENT

DRAINAGE DITCH

CONCRETE MONUMENT FOUND 103.1'

SANITARY CONNECTION NOT FOUND CONCRETE MONUMENT

BENCHMARK: TAG BOLT ON FIRE HYDRANT N:441870.17 E:1607547.36 ELEVATION: 695.66'

OF1 LAT: N35.54021 LONG: W87.21382 DR AREA: 2.9

EXISTING FIRE HYDRANT

CONNECT NEW FENCE TO EXISTING FENCE

4" WHITE PAVEMENT STRIPE (TYP.)

DUMPSTER ENCLOSURE W/ CONCRETE PAD

4" YELLOW PAVEMENT HATCH @ 4' O.C. (TYP.)

EXTRUDED CURB (TYP.)

DENOTES NUMBER OF PARKING SPACES (TYP.)

CONCRETE SIDEWALK W/ TURNDOWN EDGE (TYP.)

ACCESSIBLE RAMP WITH TACTILE WARNING (TYP.)

CROSSWALK (TYP.)

4' WIDE GATE

2-6' WIDE GATES

4' TALL BLACK VINYL COATED CHAIN LINK FENCE (TYP)

END 4' TALL BLACK VINYL COATED FENCE AND BEGIN 6' TALL BLACK VINYL COATED FENCE

6' TALL BLACK VINYL COATED CHAIN LINK FENCE (TYP)

4' TALL, BLACK VINYL COATED CHAIN LINK FENCE (TYP.)

INSTALL: BACKSTOP FENCING HOOVER FENCE, C-30 BACKSTOP KIT, (20' WIDE, 20' WINGS, 20' HIGH) OR APPROVED EQUAL BLACK VINYL COATED

INSTALL: ACCESSIBLE STRIPING AND SIGNAGE W/ BOLLARDS

INSTALL: 1-5 SPACE, WAVE STYLE BIKE RACK

INSTALL: 1-24" STOP BAR 1-DIRECTIONAL ARROW 1-STOP SIGN 1-DO NOT ENTER SIGN

INSTALL: 1-24" STOP BAR 1-STOP SIGN

INSTALL: 1-24" STOP BAR 2-DIRECTIONAL ARROWS 1-STOP SIGN

4"DSYL

EXTRUDED CURB (TYP.)

CONCRETE (TYPICAL)

CONCRETE FLUME DRAINS ONTO PROPERTY

DRIVEWAY

OVER PROPERTY LINE

CURB

OHE

SA

W

G

ST

PLAT OF SURVEY FOR CAROLYN JANE MCCORMICK PLAT BOOK 22, PAGE 462 R.O.M.C.

PAUL GEORGE JOYCE ETUX DEED BOOK 501, PAGE 482 R.O.M.C.

PAUL L. MEZERA DEED BOOK 2489, PAGE 628 R.O.M.C.

ROBERT BURKHAMMER DEED BOOK 2859, PAGE 1430 R.O.M.C.

PHILLIP L. BOSHERS TRUST DEED BOOK 2787, PAGE 669 R.O.M.C.

TIMOTHY DYLAN ALLEN DEED BOOK 2994, PAGE 587 R.O.M.C.

JULIANNE KIRK DEED BOOK 3017, PAGE 104 R.O.M.C.

CAROL DIANE GRIFFITH DEED BOOK 2727, PAGE 327 R.O.M.C.

DELBERT RINNERRY DEED BOOK [illegible], PAGE 1301

PLAT OF SURVEY FOR CAROLYN JANE MCCORMICK PLAT BOOK 22, PAGE 462 R.O.M.C.

PLAT OF SURVEY FOR MAURY COUNTY, TENN. MT. PLEASANT SCHOOL PROPERTY TRACT 1-2 PLAT BOOK 5, PAGE 318 R.O.M.C.

(3.02) TRACT 1-2

(3.01) 244,149 SQ. FEET

SEE NOTE 4

IRON ROD

IRON ROD RLS 3183

IRON ROD RLS 3183

IRON ROD RLS 3183

(8.00)

(9.00)

(10.00)

(11.00)

(12.00)

(13.00)

(14.00)

(6.00)

(6.01)

(3.02)

(3.01)

El.691.3'

El.684.5' (BURIED & FILLED WITH DEBRIS)

El.686.0' (BURIED & FILLED WITH DEBRIS)

TC684.0' El688.4'(W) El688.3'(S) El OUT688.2'(SE)

TC684.2' El OUT680.0'(N) El OUT679.9'(S)

TC685.4' El OUT680.5'

TC682.2' El677.6'(NW) (TO BE ABANDONED) El677.0'(W) (TO BE ABANDONED) El676.9'(W) (TO BE ABANDONED) El676.8'(S) El OUT676.5'(E)

El678.1' CULVERT DIM. 2.9'(LW) X 9'(H) (SEE EXHIBIT D)

El677.1' TOP OF PAVEMENT ELEV.680.5' (SEE EXHIBIT C) PAVEMENT MEAS.3.4' INVERT MEAS.UNKNOWN PIPE SIZE:UNKNOWN (SEE EXHIBIT C)

El680.5'

El681.5'

24" CMP

LOG CABIN

18"CMP

6" CMP (CONNECTION NOT FOUND & PRESUMED DESTROYED)

HERITAGE CIVIL
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Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H - Parcel 3.01

PLAN SET REVISION LOG:

No.	Description	Date
1	PLANNING COMMISSION REVISIONS	01/22/2026
2	PLANNING COMMISSION RESUBMITTAL	02/26/2026

SEAL

JOSEPH M. HADDAD — REGISTERED ENGINEER — AGRICULTURE — No. 114907 — 02/26/26 — STATE OF TENNESSEE

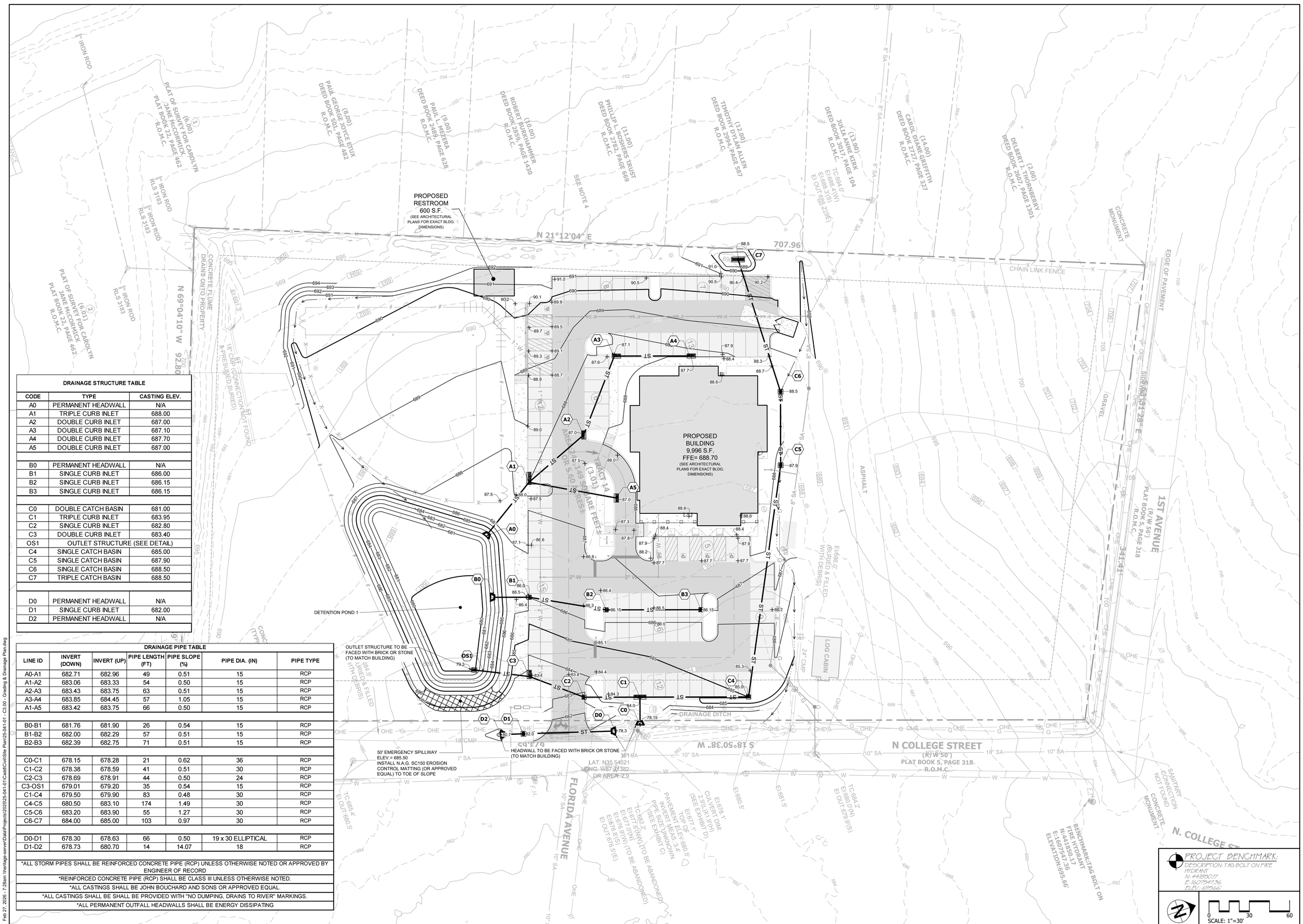
SITE LAYOUT PLAN

C2.00

HC PROJECT NO.: 25-041

SCALE: 1"=30'

Feb 27, 2026 - 7:28am \\heritage-server\Data\Projects\2025\25-041\01Cadd\Civil\Site Plan\25-041-01 - C2.00 - Site Layout Plan.dwg



DRAINAGE STRUCTURE TABLE

CODE	TYPE	CASTING ELEV.
A0	PERMANENT HEADWALL	N/A
A1	TRIPLE CURB INLET	688.00
A2	DOUBLE CURB INLET	687.00
A3	DOUBLE CURB INLET	687.10
A4	DOUBLE CURB INLET	687.70
A5	DOUBLE CURB INLET	687.00
B0	PERMANENT HEADWALL	N/A
B1	SINGLE CURB INLET	686.00
B2	SINGLE CURB INLET	686.15
B3	SINGLE CURB INLET	686.15
C0	DOUBLE CATCH BASIN	681.00
C1	TRIPLE CURB INLET	683.95
C2	SINGLE CURB INLET	682.80
C3	DOUBLE CURB INLET	683.40
OS1	OUTLET STRUCTURE (SEE DETAIL)	
C4	SINGLE CATCH BASIN	685.00
C5	SINGLE CATCH BASIN	687.90
C6	SINGLE CATCH BASIN	688.50
C7	TRIPLE CATCH BASIN	688.50
D0	PERMANENT HEADWALL	N/A
D1	SINGLE CURB INLET	682.00
D2	PERMANENT HEADWALL	N/A

DRAINAGE PIPE TABLE

LINE ID	INVERT (DOWN)	INVERT (UP)	PIPE LENGTH (FT)	PIPE SLOPE (%)	PIPE DIA. (IN)	PIPE TYPE
A0-A1	682.71	682.96	49	0.51	15	RCP
A1-A2	683.06	683.33	54	0.50	15	RCP
A2-A3	683.43	683.75	63	0.51	15	RCP
A3-A4	683.85	684.45	57	1.05	15	RCP
A1-A5	683.42	683.75	66	0.50	15	RCP
B0-B1	681.76	681.90	26	0.54	15	RCP
B1-B2	682.00	682.29	57	0.51	15	RCP
B2-B3	682.39	682.75	71	0.51	15	RCP
C0-C1	678.15	678.28	21	0.62	36	RCP
C1-C2	678.38	678.59	41	0.51	30	RCP
C2-C3	678.69	678.91	44	0.50	24	RCP
C3-OS1	679.01	679.20	35	0.54	15	RCP
C1-C4	679.50	679.90	83	0.48	30	RCP
C4-C5	680.50	683.10	174	1.49	30	RCP
C5-C6	683.20	683.90	55	1.27	30	RCP
C6-C7	684.00	685.00	103	0.97	30	RCP
D0-D1	678.30	678.63	66	0.50	19 x 30 ELLIPTICAL	RCP
D1-D2	678.73	680.70	14	14.07	18	RCP

*ALL STORM PIPES SHALL BE REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED OR APPROVED BY ENGINEER OF RECORD

*REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS OTHERWISE NOTED.

*ALL CASTINGS SHALL BE JOHN BOUCHARD AND SONS OR APPROVED EQUAL.

*ALL CASTINGS SHALL BE SHALL BE PROVIDED WITH "NO DUMPING, DRAINS TO RIVER" MARKINGS.

*ALL PERMANENT OUTFALL HEADWALLS SHALL BE ENERGY DISSIPATING

HERITAGE CIVIL
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JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H- Paicel 301

PLAN SET REVISION LOG:

Key	Description	Date
1	PLANNING COMMISSION INITIAL SUBMITTAL	02/26/26
2	PLANNING COMMISSION MPC SUBMITTAL	03/04/26

SEAL
JOSEPH M. HADDIX — REGISTERED ENGINEER — No. 114924 — STATE OF TENNESSEE
Original Date: 02/26/26

GRADING & DRAINAGE PLAN

C3.00

HC PROJECT NO.: 25-041

Feb 27, 2026 - 7:28am \\heritage-server\Data\Projects\2025\25-041-01\Cadd\Civil\Site Plan\25-041-01 - C3.00 - Grading & Drainage Plan.dwg

Special Erosion Control Note:

As necessary, temporary eels or other acceptable BMP's will be added to the driveway and/or parking lot to prevent dirty water from making its way offsite during or after rain events.

Stabilization Note:

Temporary or permanent soil stabilization at the construction site (or a phase of the project) must be completed no later than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Steep slopes (35% grade or greater) shall be temporarily stabilized not later than 7 days after construction activity on the slope has temporarily or permanently ceased.

Slopes 3:1 or steeper shall be stabilized with North American Green S150 matting or approved equal.

Concrete Washdown Note:

Contractor shall provide an area for concrete wash down and equipment fueling. Contractor to coordinate exact location with N.P.D.E.S. department during pre-construction meeting.

Control of other site wastes such as discarded building materials, chemicals, litter, and sanitary wastes that may cause adverse impacts to water quality is also required by the Grading Permittee.

NOTE: SEE SHEET 3.04 FOR S.W.P.P.P NOTES AND DETAILS

SWPPP LEGEND

CD	CHECK DAM
CE	CONSTRUCTION ENTRANCE
FR	FILTER RING
IP	INLET PROTECTION
RR	RIPRAP
SF	SILT FENCE

TOTAL DISTURBED AREA: 2.96 AC.

NOTE: ALL SILT FENCE SHALL BE WIRE-BACKED

START OF EXISTING DITCH

LIMITS OF DISTURBANCE

START OF CONTINUATION FOR EXISTING DITCH

BYPASS SWALE

CONCRETE WASHOUT AREA
FINAL LOCATION TO BE
DETERMINED AT
PRECONSTRUCTION MEETING

TRACT 14
(3.01)
AREA:244,149 SQUARE FEET±
OR 5.60 ACRES±

PROJECT BENCHMARK:
DESCRIPTION: TAG BOLT ON FIRE HYDRANT
N: 441850.11
E: 1607547.26
ELEV: 695.66'

BENCHMARK:TAG BOLT ON FIRE HYDRANT
N:441850.11
E:1607547.26
ELEVATION:695.66'

SCALE: 1"=30'

HERITAGE CIVIL
2055 N. Mt. Juliet Road, Ste 204
Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H- Parcel 3.01

PLAN SET REVISION LOG:

Rev.	Description	Date
1	PLANNING COMMISSION INITIAL SUBMITTAL	02/26/2026
2	PLANNING COMMISSION RESUBMITTAL	03/16/2026

SEAL

JOSEPH M. HADDIX
REGISTERED PROFESSIONAL ENGINEER
No. 119271
STATE OF TENNESSEE
02/26/26

SWPPP STAGE 1

C3.01

HC PROJECT NO.: 25-041

Feb 27, 2026 - 7:28am \\heritage-server\Data\Projects\2025\25-041-01\Cad\Civil\Site Plan\25-041-01 - C3.01 - SWPPP Stage 1.dwg

Special Erosion Control Note:

As necessary, temporary eels or other acceptable BMP's will be added to the driveway and/or parking lot to prevent dirty water from making its way offsite during or after rain events.

Stabilization Note:

Temporary or permanent soil stabilization at the construction site (or a phase of the project) must be completed no later than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Steep slopes (35% grade or greater) shall be temporarily stabilized not later than 7 days after construction activity on the slope has temporarily or permanently ceased.

Slopes 3:1 or steeper shall be stabilized with North American Green S150 matting or approved equal.

Concrete Washdown Note:

Contractor shall provide an area for concrete wash down and equipment fueling. Contractor to coordinate exact location with N.P.D.E.S. department during pre-construction meeting.

Control of other site wastes such as discarded building materials, chemicals, litter, and sanitary wastes that may cause adverse impacts to water quality is also required by the Grading Permittee.

NOTE: SEE SHEET 3.04 FOR S.W.P.P.P NOTES AND DETAILS

SWPPP LEGEND

CD	CHECK DAM
CE	CONSTRUCTION ENTRANCE
FR	FILTER RING
IP	INLET PROTECTION
RR	RIPRAP
SF	SILT FENCE

TOTAL DISTURBED AREA: 2.96 AC.

NOTE: ALL SILT FENCE SHALL BE WIRE-BACKED

HERITAGE CIVIL
2055 N. Mt. Juliet Road, Ste 204
Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H- Parcel 301

PLAN SET REVISION LOG:

No.	Description	Date
1	PLANNING COMMISSION INITIAL SUBMITTAL	02/06/2026
2	PLANNING COMMISSION RESUBMITTAL	02/24/2026

SEAL
JOSEPH M. HADDAD
REGISTERED ENGINEER
No. 114927
STATE OF TENNESSEE
02/26/26

SWPPP STAGE 2

C3.02

HC PROJECT NO.: 25-041

PROJECT BENCHMARK:
DESCRIPTION: TAG BOLT ON FIRE HYDRANT
N: 1448950.17
E: 1607547.36
ELEV.: 699.66'

SCALE: 1"=30'

Feb 27, 2026 - 7:28am \\heritage-server\Data\Projects\2025\25-041-01\Cadd\Civil\Site Plan\25-041-01 - C3.02 - SWPPP Stage 2.dwg

Special Erosion Control Note:

As necessary, temporary eels or other acceptable BMP's will be added to the driveway and/or parking lot to prevent dirty water from making its way offsite during or after rain events.

Stabilization Note:

Temporary or permanent soil stabilization at the construction site (or a phase of the project) must be completed no later than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Steep slopes (35% grade or greater) shall be temporarily stabilized not later than 7 days after construction activity on the slope has temporarily or permanently ceased.

Slopes 3:1 or steeper shall be stabilized with North American Green S150 matting or approved equal.

Concrete Washdown Note:

Contractor shall provide an area for concrete wash down and equipment fueling. Contractor to coordinate exact location with N.P.D.E.S. department during pre-construction meeting.

Control of other site wastes such as discarded building materials, chemicals, litter, and sanitary wastes that may cause adverse impacts to water quality is also required by the Grading Permittee.

NOTE: SEE SHEET 3.04 FOR S.W.P.P.P NOTES AND DETAILS

SWPPP LEGEND

CD	CHECK DAM
CE	CONSTRUCTION ENTRANCE
FR	FILTER RING
IP	INLET PROTECTION
RR	RIPRAP
SF	SILT FENCE

TOTAL DISTURBED AREA: 2.96 AC.

PROPOSED RESTROOM 600 S.F. (SEE ARCHITECTURAL PLANS FOR EXACT BLDG. DIMENSIONS)

PROPOSED BUILDING 9,996 S.F. FFE= 688.70 (SEE ARCHITECTURAL PLANS FOR EXACT BLDG. DIMENSIONS)

LIMITS OF DISTURBANCE

SLOPES 3:1 OR STEEPER SHALL BE STABILIZED WITH NORTH AMERICAN GREEN S150 MATTING OR APPROVED EQUAL.

INSTALL: SOD (TYP.)

RR

AREA OF 2,149 SQ. FEET OR 5.60 SQ. YARDS

DRAINAGE DITCH

CONCRETE (TYPICAL)

CONCRETE MONUMENT FOUND 103.1'

EDGE OF PAVEMENT

CURB

CHAIN LINK FENCE

CONCRETE MONUMENT

GRAVEL

LOG CABIN

N 69°23'54" W 242.59' PLANTER 0.2' OVER PROPERTY LINE

N 69°04'10" W 92.80'

N 27°27'04" E 707.96'

N 62°05'31" E 679.79'

N 27°28'" E 341.41'

PLAT OF SURVEY FOR CAROLYN JANE MCCORMICK PLAT BOOK 22, PAGE 462 R.O.M.C.

PLAT OF SURVEY FOR MARY COUNTY TENN. SCHOOL PROPERTY PLAT BOOK 5, PAGE 318 R.O.M.C.

PAUL GEORGE JOYCE ETUX DEED BOOK 501, PAGE 482 R.O.M.C.

PAUL L. MEYERA DEED BOOK 2489, PAGE 628 R.O.M.C.

ROBERT BURKHAMMER DEED BOOK 2859, PAGE 1430 R.O.M.C.

PHILLIP L BOSHERS TRUST DEED BOOK 2787, PAGE 669 R.O.M.C.

TIMOTHY DYLAN ALLEN DEED BOOK 2994, PAGE 587 R.O.M.C.

JULIE ANNE KIRK DEED BOOK 3017, PAGE 104 R.O.M.C.

CAROL DIANE GRIFFITH DEED BOOK 2727, PAGE 327 R.O.M.C.

DELBERT J. THORNBERRY DEED BOOK 2807, PAGE 1301 R.O.M.C.

1ST AVENUE (R/W 56') PLAT BOOK 5, PAGE 318 R.O.M.C.

N COLLEGE STREET (R/W 50') PLAT BOOK 5, PAGE 318 R.O.M.C.

FLORIDA AVENUE

OB1 LAT: N35 54021 LONG: W87 41382 DR AREA: 2.9

BENCHMARK TAG BOLT ON FIRE HYDRANT N:441850.17 E:1627547.36 ELEVATION:695.66'

SANITARY CONNECTION NOT FOUND CONCRETE MONUMENT

PROJECT BENCHMARK: DESCRIPTION: TAG BOLT ON FIRE HYDRANT N: 441850.17 E: 1627547.36 ELEV.: 699.66'

SCALE: 1"=30'

HERITAGE CIVIL
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NEW MOUNT PLEASANT LIBRARY

SITE PLAN

301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 135H - Parcel 301

PLAN SET REVISION LOG:

Rev.	Description	Date
1	PLANNING COMMISSION INITIAL SUBMITTAL	02/26/2026
2	PLANNING COMMISSION RPC#1 SUBMITTAL	03/24/2026

SEAL

JOSEPH M. HADDAD — REGISTERED ENGINEER — 114921 — 02/26/26 — STATE OF TENNESSEE

SWPPP STAGE 3

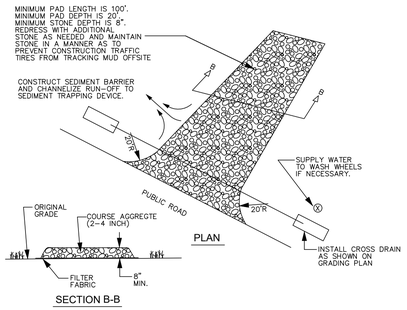
C3.03

HC PROJECT NO.: 25-041

Feb 27, 2026 - 7:28am \\heritage-server\Data\Projects\2025\25-041-01\Cadd\Civil\Site Plan\25-041-01 - C3.03 - SWPPP Stage 3.dwg

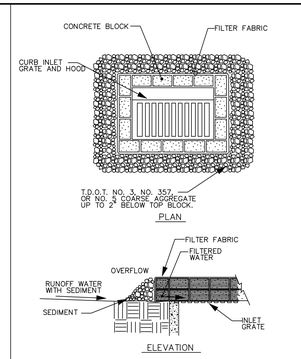
Stormwater Pollution Prevention Plan Notes:

1. The contractor is responsible for ensuring that a copy of the SWPPP is kept on-site, either at or near the construction entrance. If a construction trailer is unavailable, the contractor must provide a waterproof enclosure near the construction entrance to store the SWPPP. In addition to the SWPPP, the contractor must also ensure the following information is posted at the construction site, either in the construction trailer or waterproof enclosure:A copy of the notice of coverage (NOC) with the NPDES permit tracking number for the construction project number
   a) name, company name, email address, telephone number and address of the project site owner or a local contact person
   b) a brief description of the project
   c) the location of the SWPPP if an on-site location for storing the plan is not available.
2. The project site owner will implement the erosion control measures outlined in this SWPPP. Upon the sale of the property, the new owner will be required to obtain coverage under this permit from the relevant federal, state, and local agencies. The new owner will also assume operational control and responsibility for the portion of the site they purchase.
3. The contractor must install construction fencing, tree protection fencing, caution tape, or other appropriate barriers along the limits of disturbance to protect trees, stream bank buffers, and any other areas that are not to be disturbed prior to the commencement of any clearing, grubbing, or grading work.
4. Before beginning any construction activities, the contractor must install the stone-based construction exit, silt fence, and sediment traps/basins as specified in the SWPPP. As construction progresses, additional erosion control measures, such as rock check dams, diversion swales, temporary creek crossings, temporary mulching of disturbed areas, final seeding and straw application, and general erosion control maintenance, shall be implemented as needed. The contractor is responsible for ensuring the implementation and upkeep of all erosion control measures.
5. All erosion control measures must be installed and maintained according to the manufacturer's specifications and recommendations. The purpose of these measures is to slow runoff and prevent the formation of rills and/or gullies. The contractor is responsible for inspecting the control measures and making any necessary replacements or modifications to address site-specific conditions.
6. Erosion prevention and sediment control measures must be in place and fully functional before any earth-moving operations begin, and they must be constructed and maintained throughout the entire construction period. Temporary measures may be removed at the start of the workday but must be replaced at the end of each workday.
7. When temporary or permanent grass seed is required by the SWPPP, the contractor must use a suitable grass seed mixture based on the time of year. Fescue should be used during the spring and summer months, and a mix of fescue and winter rye should be used during the fall and winter months. The seed should be applied at a rate of 6 lbs. per 1,000 sq. ft. of area. Adequate watering must be provided to ensure the establishment of a healthy grass stand.
8. If sediment escapes the construction site, it is the contractor's responsibility to remove it. The contractor must obtain permission from the landowner where the sediment has accumulated before removal can begin. If sediment enters a stream, the contractor must also obtain written permission from the State before any remediation or restoration work can commence.
9. The contractor shall remove sediment from sediment traps, silt fences, sedimentation ponds, and other sediment controls as needed. Sediment must be removed when the capacity of these controls has been reduced by 50%.
10. Litter, construction debris, and construction chemicals exposed to stormwater must be promptly picked up and removed from the site to prevent them from becoming a pollutant source in stormwater discharges. After use, materials for erosion prevention and sediment control should also be removed from the site and disposed of in a manner that is in line with the requirements set forth in the TDEC Erosion & Sediment Control Handbook.
11. There are no other construction activities or industrial activities associated with this project site that are covered under a separate permit.
12. All earth stockpiles, whether located on-site or off-site, must include erosion control measures to prevent the material from being washed away by stormwater runoff generated from the project site.
13. Clearing and grubbing must be limited to the minimum required for grading and equipment operation.
14. Construction for projects disturbing over 50 acres of soil must be phased. Areas in the completed phase must be stabilized within 14 days (7 days for slopes ≥ 35%). At no point during the construction project should more than 50 acres of soil be actively disturbed. For projects with a disturbed area greater than 50 acres, the contractor must provide a phasing plan to limit disturbance to 50 acres or less at any given time. The phasing plan must be submitted to state and local agencies for review.
15. The contractor shall maintain a rain gauge and daily rainfall records at the site.
16. The contractor shall initiate stabilization measures in areas of the site where construction activities have temporarily or permanently stopped. Temporary or permanent soil stabilization must be completed within 14 days (7 days for slopes ≥ 35%) after construction activities on that portion of the site have ceased.
17. The contractor shall seed and straw all disturbed areas within 14 days (7 days for slopes ≥ 35%) after final grading is completed, unless otherwise specified. The contractor must take all necessary steps to establish permanent soil stabilization. Any areas not subject to construction activity for more than 14 days (7 days for slopes ≥ 35%) must be temporarily covered with straw to help prevent erosion.
18. The contractor shall construct temporary diversion swales to redirect off-site runoff from crossing disturbed areas. When necessary, these diversion swales shall be field-located to avoid impacting existing trees whenever possible.
19. No work shall be conducted in or around streams or wetlands without the necessary permits. Before starting any construction activities in these areas, the contractor must obtain a copy of the required permits from the property owner. Work shall not begin without these permits, as failure to comply may result in significant fines from federal and state agencies..
20. Muddy water pumped from excavation and work areas must be held in settling basins or filtered before being discharged into surface waters. The water must be discharged through a pipe, well-grassed or lined channel, or other equivalent methods to prevent erosion and sedimentation. The discharged water must not create an objectionable color contrast with the receiving stream.
21. After construction is complete, all disturbed areas not covered by impermeable surfaces (e.g., asphalt, concrete, buildings) shall be covered with a minimum of 4 inches of topsoil, grass seed, and straw. The contractor shall maintain the seed and straw until a healthy, solid stand of permanent grass is established over the disturbed areas..
22. Silt fence shall be installed along the lower edge of disturbed areas where sheet flow runoff occurs. In areas where runoff is concentrated, such as swales and ditches, rock check dams shall be used to slow the water's velocity and promote sediment settling.
23. All construction and waste materials must be collected and removed from the site on a regular basis. These materials should be placed outside any existing or proposed drainage ways and must be covered and protected from rain until removal. Any liquid materials or chemicals stored on-site must be kept away from drainage ways, and a berm of sufficient height must be constructed around them to contain the entire volume of liquid, preventing spills from flowing off-site..
24. All soil, plants, trees, and other vegetation in protected streams, wetlands, and along their banks are protected by State law and are prohibited from being removed. The contractor shall ensure that these areas remain undisturbed during construction. Construction barriers or other necessary measures must be erected to ensure these areas are adequately protected.
25. The contractor shall designate an inspector to evaluate the erosion control measures as required by state and local agencies. The inspector must have successfully completed the "Fundamentals of Erosion Prevention and Sediment Control" course provided by the State of Tennessee. A copy of the inspector's certification or training record must be kept on-site.
26. Inspections required by the Tennessee General Permit must be conducted at least twice every calendar week, with a minimum of 72 hours between inspections. The inspections should cover all erosion control measures, disturbed areas, material storage areas, outfall points, construction access points, and other relevant areas. Inspections must also be conducted before anticipated storm events (or a series of storm events, such as intermittent showers over one or more days), and within 24 hours after the end of a storm event of 0.5 inches or more.
27. Any inadequate or damaged control measures must be replaced, modified, or repaired as needed before the next rain event if possible, but no later than 7 days after the issue is identified. The contractor shall provide additional erosion control measures as necessary to ensure adequate control and prevent any silt from leaving the project site..
28. Inspections must be documented and include the following: the scope of the inspection, the name and title of the personnel conducting the inspection, the date of the inspection, key observations regarding the implementation of the stormwater pollution prevention plan (including the location of any sediment or pollutant discharges from the site and any control devices that failed or were inadequate), and actions taken in accordance with the General Permit. Inspection documentation must be kept on-site and made available upon request. Inspection reports must be submitted to the State (TDEC) within 10 days of a request. Use the inspection report form provided in Appendix C of the General Permit and complete it on a weekly basis.
29. Sediment removed from sediment control structures must be placed at a site permitted by local and state agencies. The contractor is responsible for securing a designated site to dispose of the sediment material. The sediment must be treated in such a way that the area around the disposal site is not contaminated or damaged by stormwater runoff. The cost of this treatment should be included in the price for the earthwork..
30. The contractor shall remove sediment from all drainage structures, pipes, and swales before seeking acceptance by the developer or local governing agency.
31. Temporary erosion and water pollution control devices shall be removed only when, in the opinion of the owner's representative, they are no longer needed.
32. During the period between the completion of construction and the establishment of permanent vegetation, erosion control measures must remain in place and be maintained. Once permanent vegetation is fully established, the erosion control measures may be removed.
33. This SWPPP has been developed in accordance with the Tennessee General NPDES Permit (TNR100000) for stormwater discharges associated with construction activity (TNCGP) and is prepared using sound engineering practices. Personnel from Heritage Civil P.L.L.C. involved in the development of this plan have completed the design of vegetative and structural measures for erosion and sediment control course offered by the State of Tennessee.
34. As required by Part III.F of the TNCGP, this plan and all attachments are submitted to the local Environmental Assistance Center (EAC), along with the completed and correctly signed Notice of Intent (NOI). Construction will not begin until a Notice of Coverage (NOC) is received from the Tennessee Department of Environment and Conservation (TDEC).
35. Erosion prevention and sediment control measures must be fully implemented and functional prior to the start of any earthmoving activities. These measures must remain in place and maintained throughout the construction process. Temporary erosion and sediment control measures may be removed at the beginning of each workday, but they must be reinstated at the end of each workday.
36. Discharges of fuels, oils, or any other potential pollutants resulting from vehicle and equipment operation or maintenance are strictly prohibited. The contractor is required to designate a specific area for vehicle fueling and maintenance and must implement procedures to prevent and respond to chemical spills and leaks. All maintenance and refueling operations must comply with OSHA regulations, TDEC regulations, and Mount Pleasant Industrial/Commercial Management Practices.



STABILIZED CONSTRUCTION EXIT

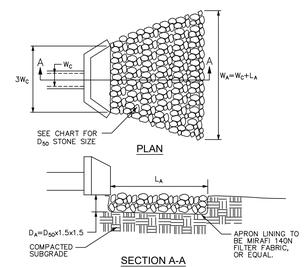
N.T.S. TCP-03-1(Volume 4 Nashville Storm Management Manual)



INLET PROTECTION

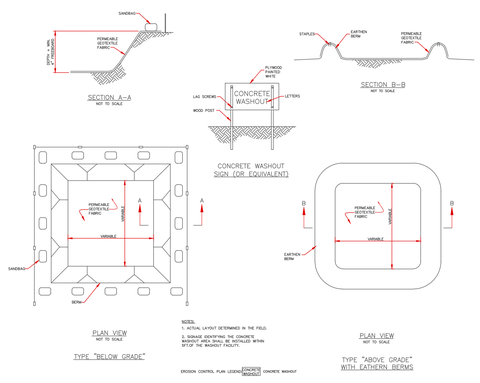
N.T.S. TCP-24-2 (Volume 4 Nashville Storm Management Manual)

W_C, Culvert Diameter (inches)	D_{50}, Rock Size (inches)	L_A, Apron Length (feet)	W_A, Downstream Width (feet)	D_A, Thickness (inches)
12	6	12	13	14
18	9	16	18	20
24	9	20	22	20
30	12	22	25	27
36	12	24	27	27
42	18	26	30	41
48	18	28	32	41



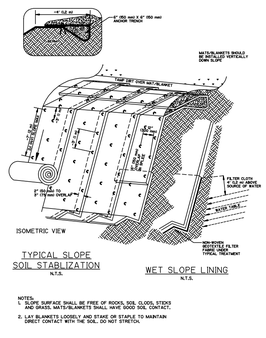
RIPRAP AT HEADWALL

N.T.S. PESC-07-1(Volume 4 Nashville Storm Management Manual) & Fig.7.23-1(TDEC E&SC Handbook)



CONCRETE WASHOUT

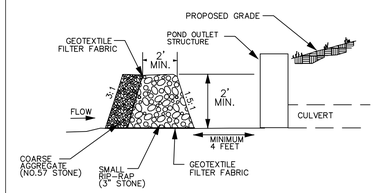
N.T.S.



NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, SOIL CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

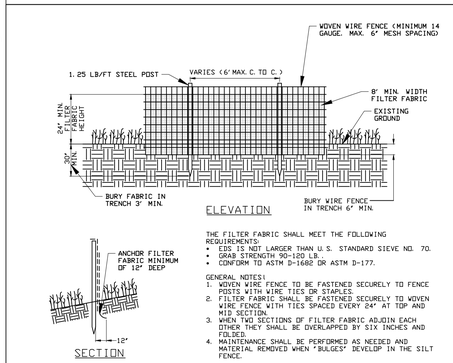
EROSION CONTROL MATTING ON SLOPE

N.T.S.



STONE FILTER RING

N.T.S. Fig.7.30-1(TDEC E&SC Handbook)



THE FILTER FABRIC SHALL MEET THE FOLLOWING REQUIREMENTS:
- EOS IS NOT LARGER THAN U.S. STANDARD SIEVE NO. 70.
- GRAB STRENGTH 90-120 LB.
- CONFIRM TO ASTM D-1682 OR ASTM D-177.

GENERAL NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER FABRIC SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

WIRE BACKED SILT FENCE

N. T. S.

Tennessee811
Know what's below. Call before you dig.

Tennessee Construction General Permit Notice of Coverage (NOC) Certification:

Please fill out and sign/date one of the following two statements:

1. The project associated with these submitted plans is covered under Tennessee Construction General Permit TNR_######_. The Total Disturbed Area is: 2.96 acres.
   Check all that apply: This site discharges into waters identified by TDEC as:
   ✓ Impaired for siltation ☐ Impaired for habitat alteration ☐ Exceptional
   _____ Signature _____ Date
   Circle one: Developer Project Engineer Other _____
   Please attach a copy of the Notice of Coverage under the Construction General Permit.
   NOTE: A project will not be scheduled for a Pre-Construction Meeting until the State Construction General Permit NOC letter is submitted.
2. I hereby certify that this project does not require coverage under a Tennessee Construction General Permit. The Total Disturbed Area is: _____ acres.
   Check all that apply: This site discharges into waters identified by TDEC as:
   ☐ Impaired for siltation ☐ Impaired for habitat alteration ☐ Exceptional
   _____ Signature _____ Date
   Circle one: Developer Project Engineer Other _____
   Note: Projects of one (1) or more acres require State permit coverage, while projects of less than one (1) acre do not require State permit coverage. Also, projects of less than one (1) acre that are part of a total development project of one (1) or more acres require State permit coverage.

(If you are unsure whether your particular project requires coverage under a Tennessee General Storm Water permit, please call the TDEC Field Office @ (615) 687-7000).

HERITAGE CIVIL PLLC
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JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H- Parcel 301

PLAN SET REVISION LOG

Revision	Description	Date
1	Per Planning Commission Initial Submittal	02/04/2026

SEAL

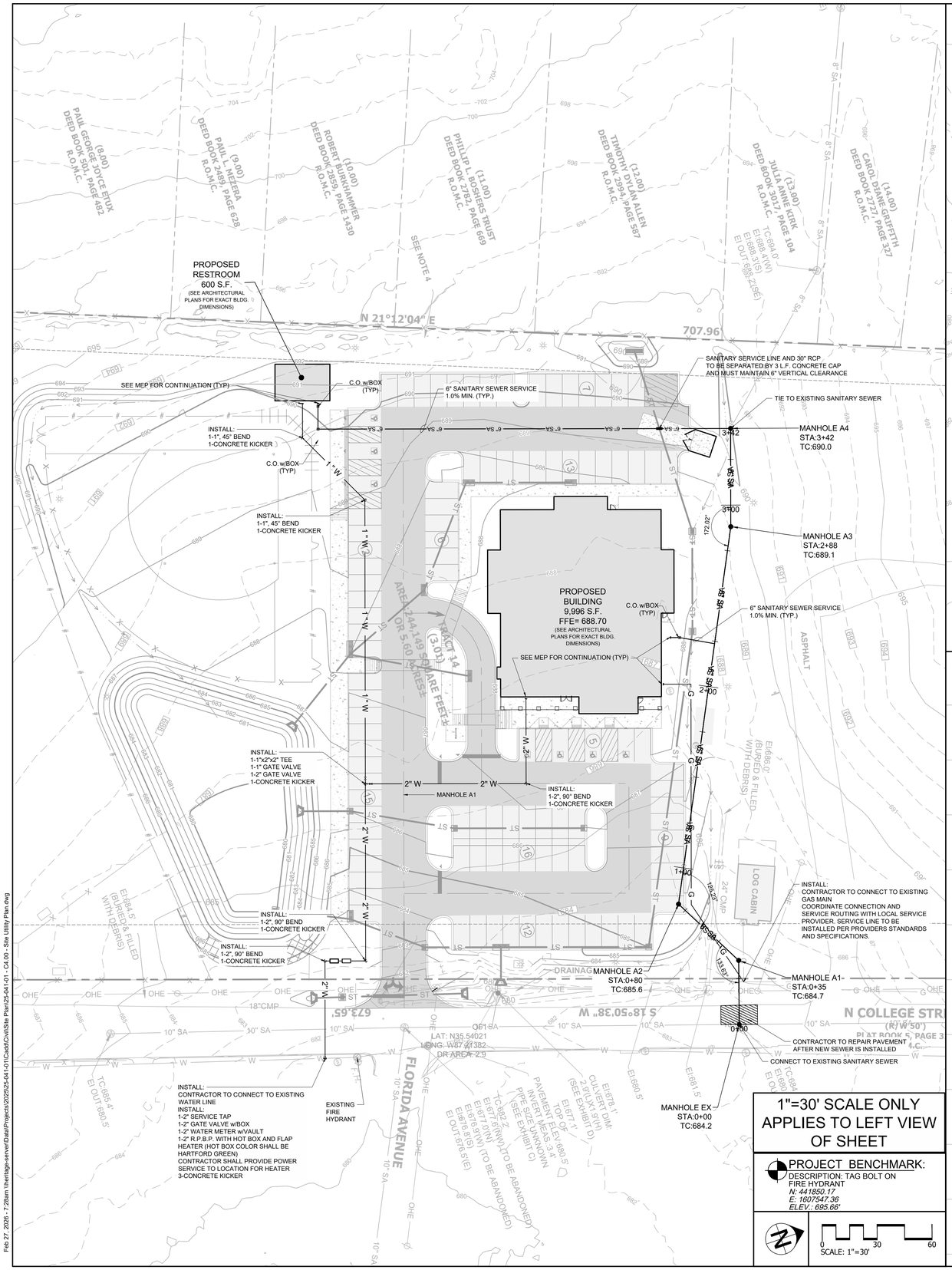
JOSEPH M. HADDIX — REGISTERED ENGINEER — NUMBER 114924 — STATE OF TENNESSEE — 02/26/26

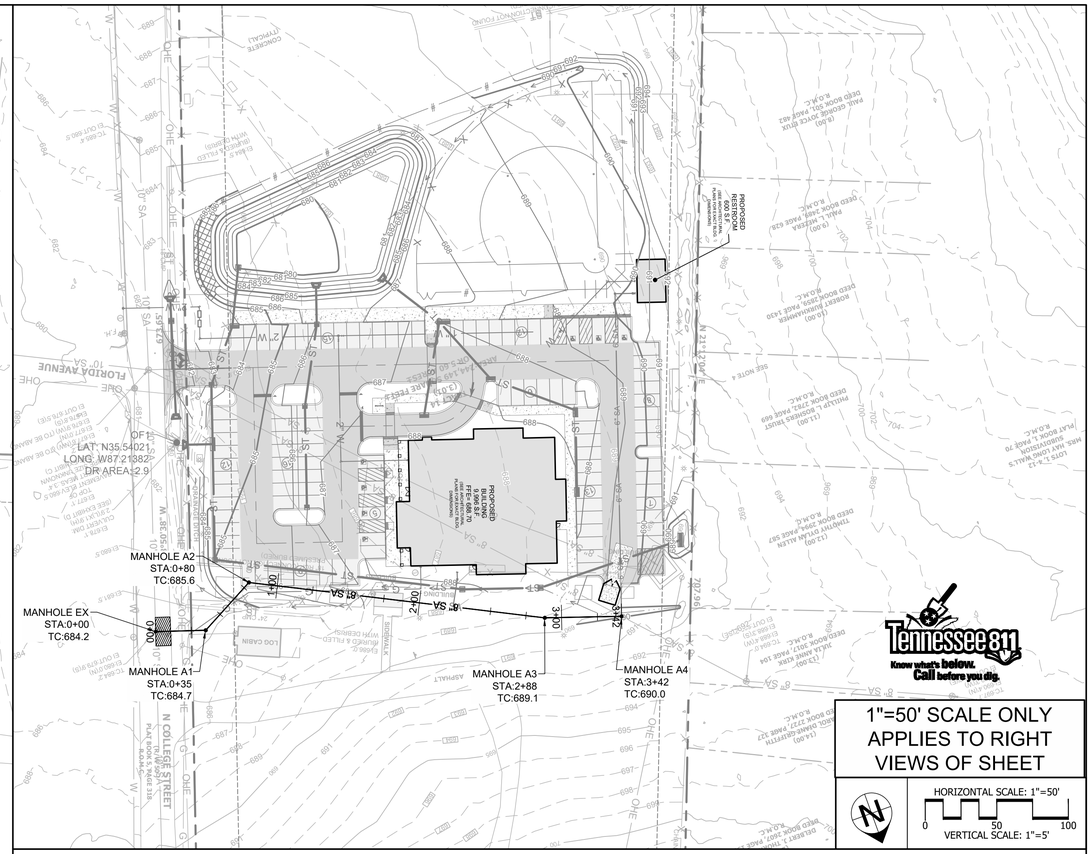
SWPPP NOTES & DETAILS

C3.04

HC PROJECT NO.: 25-041

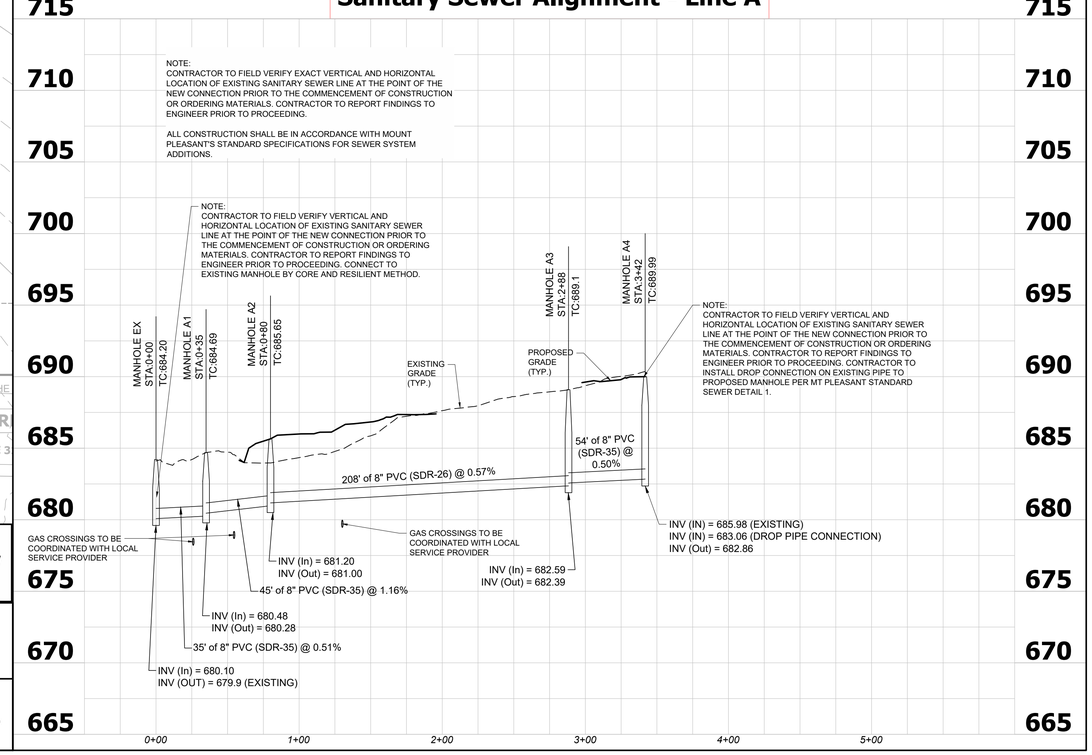
Feb 27, 2026 - 7:28am \\heritage-server\Data\Projects\2025\25-041-01\Cad\Civil\Site Plan\25-041-01 - C3.04 - SWPPP Notes & Details.dwg





Tennessee 811
Know what's below. Call before you dig.

Sanitary Sewer Alignment - Line A



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NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H - Parcel 301

PLAN SET REVISION LOG:

No.	Description	Date
1	PLANNING COMMISSION FINAL SUBMITTAL	01/12/2026
2	PLANNING COMMISSION RFIs SUBMITTAL	02/04/2026

SEAL
JOSEPH M. HADDAD
REGISTERED PROFESSIONAL ENGINEER
No. 114827
02/26/26
STATE OF TENNESSEE

SITE UTILITY PLAN

C4.00

HC PROJECT NO.: 25-041

Feb 27, 2026 - 7:28am \\heritage-server\Data\Projects\2025\25-041-01\Cad\Civil\Site Plan\25-041-01 - C4.00 - Site Utility Plan.dwg

General Notes:

1. Base information was taken from survey by Crawford & Cummings, P.C. dated June 20, 2025.
2. All roadway, driveway, sidewalk, and curb construction must comply with the requirements and specifications of the local municipality codes and regulations.
3. Concrete used for curbs and sidewalks shall have a minimum compressive strength of 3500 PSI, unless otherwise specified by local codes.
4. The contractor shall ensure compliance with all local codes and obtain necessary approvals before beginning any construction activities.
5. All construction materials and installation related to the site must adhere to the regulations and specifications of the local governing agency.
6. Handicap ramps must have a maximum slope of 1:12, in accordance with accessibility requirements.
7. All materials and construction for pavement must meet the standards and specifications set forth by the local governing agency and the state Department of Transportation (D.O.T.).
8. Before starting any utility work, the contractor shall verify all existing conditions (e.g., inverts, utility routings, utility crossings, and dimensions) in the field. Any discrepancies should be reported to the owner's representative. The contractor is responsible for repairing any damage caused to existing features (such as pavement, sidewalks, curbs, utilities, etc.) during construction at their own expense, restoring them to the condition prior to construction, or better.
9. Dimensions are measured from the face of curb and/or exterior face of the building unless otherwise noted.
10. Curbs shall be placed parallel to the centerline of the driveway. The curb installation shall occur only after the contractor has located all break points (PC & PT of curves) at the face of the curb or at a consistent offset, as determined by a licensed surveyor.
11. Any work deemed unacceptable by the owner's representative or the local governing authority must be repaired or replaced by the contractor at no additional cost to the owner.
12. Any existing pavement of private or public roadways/drives that is removed due to utility installation must be patched in accordance with the standards of the local governing authority. Pavement trenching locations should be coordinated with the civil, plumbing, and electrical plans.
13. The contractor must comply with all relevant provisions of the "Manual of Accident Prevention in Construction" issued by the AGC of America, Inc., as well as the "Safety and Health Regulations for Construction" issued by the U.S. Department of Public Works.
14. The contractor must provide all necessary notices and obtain all required permits prior to starting construction work.
15. If discrepancies or errors are found in these site drawings, or if any issues arise during construction, the contractor must notify the engineer before proceeding with the work.
16. The contractor is particularly cautioned that the location and/or elevation of existing utilities shown on these drawings are based on utility company records and, where possible, field measurements. This information should not be relied upon as exact or complete. The contractor must contact the appropriate utility company at least 72 hours before excavation and request verification of utility locations. It is the contractors responsibility to relocate any conflicting existing utilities according to all applicable local, state, and federal regulations.
17. The contractor must exercise extreme caution when working near overhead and underground electrical wires and services. If any work is required in close proximity to such wires, the contractor must contact the electric company before proceeding and take all necessary safety precautions. A thorough examination of the overhead and underground wires in the project area should be conducted by the contractor before beginning construction.
18. The owner and engineer do not assume responsibility for the possibility that utilities not shown on the plans may be encountered during construction, or that the locations of utilities shown on the plans may differ from their actual locations. If the exact location of underground utilities is critical, the contractor is responsible for verifying and establishing the position of these utilities at their own expense, using the necessary labor and tools.
19. The contractor shall not scale these drawings, as they are reproductions and may be distorted.
20. These plans, prepared by Heritage Civil, do not include any safety systems for the construction contractor, employees, agents, or representatives. The engineer's professional seal on these plans does not extend to any safety systems incorporated into the plans. The contractor is responsible for preparing or obtaining any necessary safety systems as required by the Occupational Safety and Health Administration (OSHA) or local regulations.
21. In case of any conflicts between this drawing and other drawings or specifications, the contractor must immediately notify the engineer for clarification.

Tennessee811
Know what's below.
Call before you dig.

Site Demolition Notes:

1. The contractor must contact Tennessee One Call (811) at least 72 hours before starting any excavation.
2. The contractor is required to verify the limits of demolition with the owner's representative before beginning work.
3. The contractor shall comply with all local codes, secure all necessary permits, and provide any required notices before proceeding with the work.
4. Any cavities left after the removal of structures must be properly backfilled and compacted as specified in these plans and specifications.
5. The contractor is responsible for all demolition and removal work required to complete the proposed improvements as shown on these plans.
6. The contractor is responsible for locating all utilities, both charted and uncharted. Care must be taken to protect utilities that will remain in place. Any damage to utilities must be repaired according to local standards, at the contractor's expense. The contractor must coordinate all construction activities with the appropriate utility companies.
7. In areas where existing pavement, sidewalks, or curbs are to be removed, the contractor shall saw cut to ensure a clean edge. The extent of pavement demolition must align with the limits of new improvements as shown on the site layout plan.
8. All materials removed and not reused in the new construction, such as trees, shrubs, signs, and utility structures, shall first be offered to the owner's representative. If not accepted, the contractor must dispose of them appropriately.
9. The contractor is responsible for using water sprinkling and other appropriate methods to control dust and dirt caused by the demolition work.
10. The contractor shall protect all survey control points and is responsible for the replacement of any control points that are disturbed during construction.
11. No demolition of utility or storm sewer lines shall occur until the new lines have been installed and are fully operational.
12. The contractor must coordinate the phasing of demolition with the owner's representative and the local governing agency before beginning any work. Disruptions to utility services and traffic patterns must be minimized and may only begin after receiving approval from the local governing agency and utility companies.
13. If water and sewer lines are to be abandoned, the contractor may leave the lines in place if they are at least 24" below the final subgrade elevation. All ends of abandoned utility lines must be permanently sealed with a concrete plug. Existing lines within the proposed building footprint (and up to 10 feet beyond the footprint) must be removed.
14. Any existing lights and poles that are to be removed must be offered to the owner's representative before disposal. The contractor must coordinate the demolition of lighting and the layout with the electrical plans.
15. Existing trees to be preserved must be barricaded prior to the start of construction, in accordance with the tree preservation guidelines and details on the landscape plan.
16. The contractor is responsible for incorporating any isolation valves or temporary plugs required to construct new utility lines and demolish existing utility lines.
17. If the existing irrigation lines are affected by the construction, the contractor shall adjust the existing irrigation systems as directed by the landscape plan. Irrigation service must be maintained during construction for all landscaped areas currently irrigated.
18. The relocation of existing plant materials must be coordinated with the owner, and the plants must be relocated to a designated area on-site.
19. Selective clearing, including the removal of vines, saplings under 1" in diameter, and underbrush, shall be performed in tree preservation areas as indicated in the plans.

Site Grading & Erosion Control Notes:

1. The total disturbed area for this project is approximately 2.96 acres.
2. The contractor shall adhere to all relevant provisions outlined in the "Manual of Accident Prevention in Construction" issued by AGC of America, Inc. and comply with the safety and health regulations set by the U.S. Department of Labor.
3. The contractor shall contact "Tennessee One Call" (811) at least 72 hours before beginning any excavation work.
4. If springs or underground streams are encountered during construction, the contractor may be required to install permanent French drains. The specifications and locations of these drains shall be determined during construction based on encountered conditions and must be approved by the engineer.
5. Stockpiled topsoil or fill material must be managed to prevent sediment runoff from contaminating surrounding areas or entering nearby streams.
6. Silt barriers should be cleaned when they are approximately 50% full of sediment or as directed by the owner's representative. Barriers should be replaced when their effectiveness is significantly reduced, or as directed by the owner's representative.
7. All new pipes beneath existing paved areas must be backfilled to the top of subgrade with #57 crushed stone.
8. Sediment removed from sediment control structures must be disposed of at a site approved by the local governing authority. The disposal area must be treated to ensure it is not contaminated or damaged by sediment runoff. The contractor's bid must include the cost for treatment and securing the disposal site.
9. Reinforced concrete storm drainage pipes must be Class III.
10. The minimum grade for asphalt or concrete paving must be 1.0%.
11. Silt barriers must be installed before starting any grading operations.
12. This grading and drainage plan does not guarantee the suitability of the subsurface conditions for the indicated work. The contractor is solely responsible for determining the suitability of the subsurface conditions.
13. Vegetation should not be disturbed and trees should not be removed unless necessary for grading.
14. Top-of-grate elevations and the location of drainage structures must be installed as shown on the plans unless otherwise specified. Grates should slope longitudinally with the pavement grades. Coordinates provided represent the center of the grate, at the face of the curb where applicable.
15. Any site used for material disposal or stockpiling must have the proper permits. The contractor is responsible for obtaining the necessary permits for each site. The approved permit must be provided to the inspector before starting work. Failure to do so may result in the contractor being responsible for removing illegally placed material at their own cost.
16. Disturbed areas must be seeded, strawed, and topsoiled (at least 6 inches deep) as soon as possible after final grading, unless otherwise indicated. The contractor must take all necessary steps to establish permanent soil stabilization.
17. Proposed contour lines and spot elevations represent an engineered grading design aimed at facilitating drainage and material movement. If the contractor has questions or concerns regarding the grades, the engineer must be contacted immediately.
18. All cut and fill slopes must be 3:1 or flatter unless otherwise specified in the plans.
19. Positive drainage must be established as the first step of work and maintained throughout construction and after completion. Soil affected by perched water in foundation and pavement areas must be undercut and replaced with suitable fill material.
20. Sediment must be removed from all drainage structures before they are accepted by the local governing authority, or as directed by the owner's representative.
21. The contractor shall comply with all applicable codes and obtain necessary approvals before beginning construction.
22. Temporary erosion and water pollution control devices should be removed only after a solid stand of grass has been established on graded areas and when, in the owner's representative's opinion, they are no longer needed.
23. Provide temporary construction access at the points where construction vehicles exit the site. Public roadways must be kept free of tracked mud and dirt.
24. All earthwork, including excavated subgrade and each layer of fill, must be monitored and approved by a qualified geotechnical engineer or their representative.
25. All fill material used on this project must be approved by the geotechnical engineer before placement. The material must be placed in lifts and compacted as directed by the geotechnical engineer. The contractor is responsible for hiring a geotechnical engineer if one is not provided by the owner.
26. All drainage construction materials and installation methods must meet the requirements and specifications set by the local governing agency.
27. The contractor is responsible for disposing of any excess earth material off-site at no additional cost to the owner. The contractor must offer the excess material to the owner first, and if the owner does not accept it, the contractor must dispose of it off-site. If sufficient earth material is unavailable on-site, the contractor must import suitable material at no additional cost to the owner.
28. The contractor must verify existing grades and dimensions in the field before beginning work and report any discrepancies to the engineer. Beginning any grading work signifies the contractor's acceptance of the existing grade as shown on the plans.
29. Topsoil must be stripped from all cut and fill areas and stockpiled. Upon completion of grading, the topsoil should be respread over all disturbed areas to a minimum depth of 6 inches. If insufficient topsoil is available, the contractor must supply additional material and remove any excess topsoil from the site.
30. The contractor must ensure that fill is compacted properly around and over all pipes, structures, valve stems, etc., within proposed paved areas to prevent settlement. Any settlement occurring during the warranty period must be corrected by the contractor at no additional cost to the owner.
31. The contractor must ensure that slope height, inclination, or excavation depth, including trench construction, does not exceed the limits set by local, state, or federal regulations. The current OSHA Health and Safety Standards for Excavations (29 CRF Part 1926) must be followed.
32. All fill and cut slopes must be reviewed by the owner's geotechnical engineer during construction to ensure they remain stable. The contractor is responsible for obtaining written confirmation from the geotechnical engineer regarding this.
33. All fill must be installed and compacted according to the recommendations of the owner's geotechnical engineer. The geotechnical engineer will review all fill operations to confirm proper installation and compaction. The contractor must obtain written confirmation from the geotechnical engineer.
34. The contractor must coordinate the relocation of existing plant materials with the owner and relocate them to a designated area on-site.
35. The horizontal and vertical information for proposed culverts that accept or discharge flows to or from existing channels is approximate, based on topographic drawings. The final alignment must be field-located by the contractor before ordering materials or commencing construction. Any discrepancies with the design must be reported to the engineer.
36. The contractor must coordinate the exact location of storm drain connections at the building with the plumbing plans.
37. The location of all diversion swales and ditches must be adjusted in the field to avoid trees whenever possible. The contractor must walk the alignment of these swales and ditches to confirm tree avoidance.
38. The depth of foundations and/or footings for buildings and walls adjacent to bio-retention areas must be based on the excavated depth of the bio-retention area, not the planting surface elevation.

Site Utility Notes:

1. Before beginning any construction or ordering materials, the contractor must verify the exact horizontal and vertical location of all existing utilities at the proposed connection points. Any discrepancies must be immediately reported to the design engineer.
2. The sanitary sewer line shall be PVC-SDR 35, the domestic water line shall be Type K copper, and the public water and fire service lines shall be Class 52 ductile iron pipe.
3. Water meters must be installed no deeper than 24 inches from the top of the meter to the proposed finished grade, unless otherwise required by the local water department.
4. Prior to submitting their bid, the contractor is responsible for contacting the owners of all affected utilities to determine the impact of utility relocations or adjustments on the project schedule. While some work may be required around existing utilities, other facilities may need to be adjusted during the contractor's operations.
5. The contractor shall adhere to all provisions of the "Manual of Accident Prevention in Construction" issued by AGC of America.
6. Provide a minimum of 36 inches of cover over all water lines unless otherwise required by the local water department.
7. All water lines, sewer lines, and appurtenances must conform to the local water department/district's specifications and requirements.
8. Coordinate the exact location of all utilities entering the building with the plumbing plans.
9. Protect existing utilities from damage during construction. If special equipment is required to work around these utilities, the contractor must provide it at no additional cost to the owner.
10. A Reduced Pressure Backflow Preventer (RPBP) or dual check valves will be required on all test and fill lines used in water main construction, subject to approval by the local water department/district.
11. All connections to existing manholes must be made using the coring and resilient seal method.
12. Before making connections to existing utilities, the contractor must flush and test the new lines according to local water department/district specifications.
13. The contractor must adjust the alignment of water lines (both horizontally and vertically) to allow for the required bracing at bends and tees.
14. Provide all necessary horizontal and vertical bends to achieve the alignment indicated on the plans. Vertical bends should be used where needed to pass water lines under or over other utilities. Bracing or rodding must be provided at all bends and tees, as required by the local utility department/district.
15. The contractor shall mark the location of all new PVC lines with #8 wire.
16. The location of existing utilities shown on these plans is approximate. The contractor must notify each utility owner of the planned work in their area and request that the utilities be properly located before construction. An underground locator should mark the location of existing lines, with at least three (3) business days' notice before beginning work.
17. Fire hydrant assemblies shall include the correctly sized tee (with kicker), 6-inch line to the hydrant, 6-inch gate valve (with valve box), and fire hydrant (with kicker). Hydrants should be installed within 7 feet of the curb, with a minimum of 2 feet behind the curb.
18. If drainage or utility lines are located in proposed fill areas, the fill material must be placed and compacted according to specifications and the recommendations of the Geotechnical Engineer before installation of the drainage or utility lines. Fill must be inspected by a professional geotechnical testing firm employed by the owner. The results of the tests must be provided to the owner's representative, and the contractor is responsible for any retesting costs.
19. The contractor must verify the exact horizontal and vertical location of existing manholes, sanitary sewer lines, and water lines at the connection points before starting construction or ordering materials, and immediately report any discrepancies to the engineer.
20. Any damage to existing pavement, curbs, sidewalks, landscaping, etc., caused by construction activities must be repaired to like-new condition at no additional cost to the owner.
21. Sanitary sewer services must be 6-inch diameter PVC (SDR 26) with a minimum slope of 1.0%, unless otherwise shown on the drawings. The lines should start 5 feet beyond the buildings. Coordinate connection points with the building plumbing drawings. Provide a minimum of 30 inches of cover in grass areas and 48 inches of cover in paved areas.
22. Some utilities may be located by calling the "Tennessee One Call" System (1-800-351-1111) 72 hours before beginning excavation.
23. Concrete caps and encasements on water and sewer lines must be at least 6 inches thick, using 3000 PSI concrete.
24. The contractor is responsible for coordinating the sequencing of construction for all utility lines so that water lines do not conflict with sanitary sewers, sewer services, storm sewers, or any other utility or structure, whether existing or proposed.
25. All trenches cut in existing roads or drives must have a clean saw cut and be backfilled (100%) to final subgrade with #57 stone. Repair pavement in accordance with local governing agency requirements.
26. Existing manholes located in fill/cut areas must be adjusted to ensure the top of the casting is flush with the finished grade.
27. The contractor must maintain a 10-foot horizontal separation between sanitary sewer lines and water lines. Where this cannot be achieved, an 18-inch vertical separation must be maintained between the water and sewer lines.
28. The contractor must coordinate the proposed gas line construction and installation with the local gas company.
29. The contractor must coordinate the proposed electric line construction and installation with the local electric company.
30. The contractor must coordinate the proposed telephone line construction and installation with the local telephone company.

GENERAL LINETYPES
[EX. = EXISTING]

- EX. FORCEMAIN — FM
- EX. GAS — G
- EX. OVERHEAD ELECTRIC — OHE
- EX. UNDERGROUND ELECTRIC — UGE
- EX. SANITARY SEWER — SA
- EX. STORM SEWER — ST
- EX. FIRE — F
- EX. WATER — W
- BOUNDARY
- LOT
- EASEMENT
- DITCH
- FENCE
- ROAD CENTERLINE
- WATER FEATURES
- FORCEMAIN — FM
- GAS — G
- OVERHEAD ELECTRIC — OHE
- UNDERGROUND ELECTRIC — UGE
- SANITARY SEWER — SA
- STORM SEWER — ST
- FIRE LINE — F
- WATER — W

GENERAL SYMBOLS

- CLEANOUT (TYP.)
- END OF SERVICE (TYP.)
- FIRE HYDRANT
- HANDICAP SPACE
- LOT NUMBER — 00
- POWER POLE
- RETAINING WALL
- SANITARY MANHOLE
- SIGN (TYP.)
- STORM MANHOLE
- STORM AREA DRAIN
- STORM CURB INLET

GENERAL PATTERNS

- EXISTING BUILDING
- PROPOSED BUILDING
- HEAVY DUTY CONCRETE
- LIGHT DUTY CONCRETE
- HEAVY DUTY PAVEMENT
- LIGHT DUTY PAVEMENT
- PERVIOUS PAVEMENT
- PAVEMENT MILL AND REPLACE
- LANDSCAPE AREA
- GRASS

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NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H- Parcel 301

PLAN SET REVISION LOG:

No.	Description	Date
1	Per Planning Commission Initial Submittal	12/26/2025
2	Per Planning Commission Final Submittal	02/26/2026

SEAL
JOSEPH M. HADDIX — REGISTERED ENGINEER — AGRICULTURE — No. 114924 — 02/26/26 — STATE OF TENNESSEE

CIVIL NOTES

C5.00

HC PROJECT NO.: 25-041

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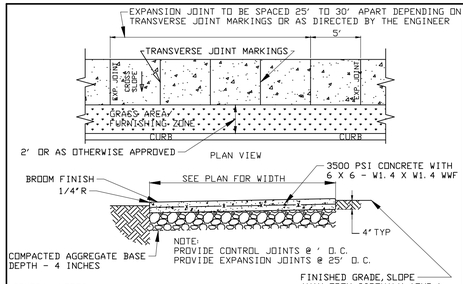
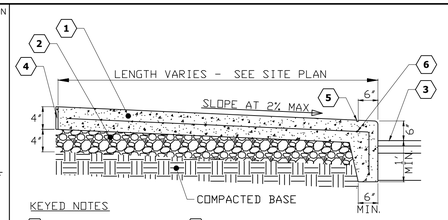


GENERAL NOTES:
1. SIDEWALKS SHALL BE A MINIMUM OF 4 INCHES IN THICKNESS AND MAINTAIN A MINIMUM OF 3 FEET CLEARANCE THROUGH THE PATH OF TRAVEL
2. MAXIMUM CROSS SLOPE FOR SIDEWALKS SHALL NOT EXCEED 1: 48 (VERT: HORIZ).
3. SIDEWALK SHALL BE CONSTRUCTED OF WHITE CONCRETE.
4. WHERE A GRASS AREA IS NOT PROVIDED A MAXIMUM OF 2 FEET FURNISHING ZONE IS REQUIRED, MAINTAINING A MINIMUM OF 3 FEET CLEARANCE THROUGH THE PATH OF TRAVEL.

CONCRETE WALK
N. T. S.

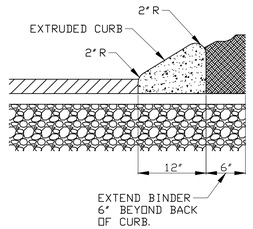


KEYED NOTES

1. 4" THICK CONCRETE
2. 4" COMPACTED AGGREGATE BASE
3. PAVEMENT
4. COMPRESSIBLE FILLER (3/4" MAXIMUM). WHERE ABUTTING RIGID SURFACE
5. 1/4" TOOLED JOINT
6. 6" X 6" W2. 1 X W2. 1 W. W. F.

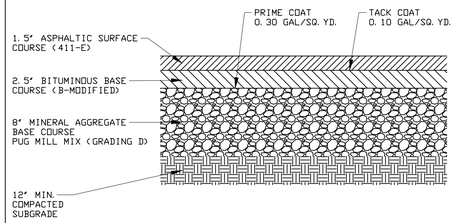
NOTES:
CONCRETE: 3500 PSI
STEEL: GRADE 60
PROVIDE CONTROL JOINTS @ 5' CENTERS
PROVIDE EXPANSION JOINTS @ 25' CENTERS
SLOPE WALK IN DIRECTION OF POSITIVE DRAINAGE AT 2% MAX

SIDEWALK WITH TURNED DOWN CURB
N. T. S.



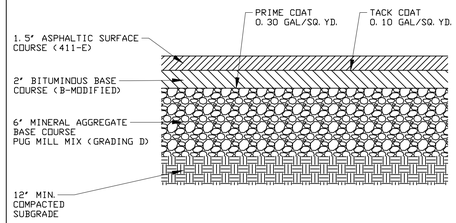
NOTES:
1. WHERE CURB INLETS ARE REQUIRED, USE JOHN BOUCHARD AND SONS COMPANY GRATE NO. 3103, 3103-V, OR APPROVED EQUAL.
2. PROVIDE CONTROL JOINTS @ 10' CENTERS.
3. PROVIDE EXPANSION JOINTS @ 50' CENTERS.

EXTRUDED CURB
N. T. S.



NOTE: MAXIMUM ALLOWABLE PERCENTAGE OF RECLAIMED ASPHALT PAVEMENT SHALL BE 20%
NOTE: SURFACE COURSE TO USE NOMINAL MAXIMUM AGGREGATE SIZE OF 9. 5MM (3/8")

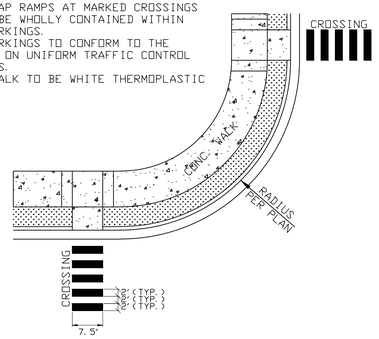
HEAVY DUTY PAVEMENT SECTION
N. T. S.



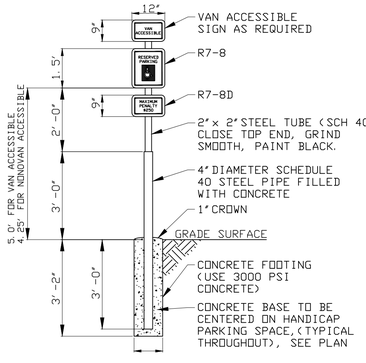
NOTE: MAXIMUM ALLOWABLE PERCENTAGE OF RECLAIMED ASPHALT PAVEMENT SHALL BE 20%
NOTE: SURFACE COURSE TO USE NOMINAL MAXIMUM AGGREGATE SIZE OF 9. 5MM (3/8")

LIGHT DUTY PAVEMENT SECTION
N. T. S.

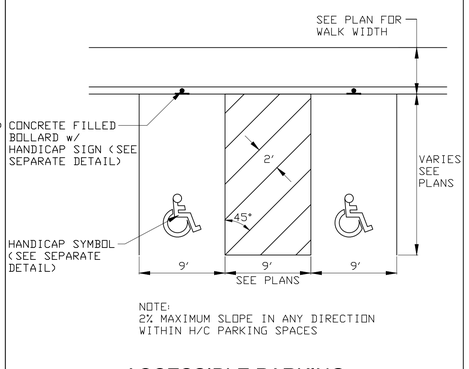
GENERAL NOTES
1. SEE HANDICAP RAMP DETAIL.
2. HANIDCAP RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS.
3. ALL MARKINGS TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
4. CROSSWALK TO BE WHITE THERMOPLASTIC



CROSSWALK
N. T. S.

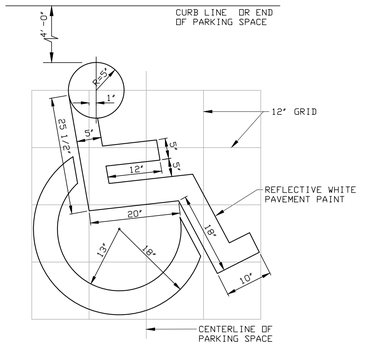


EXTERIOR ACCESSIBLE SIGN WITH BOLLARD
N. T. S.

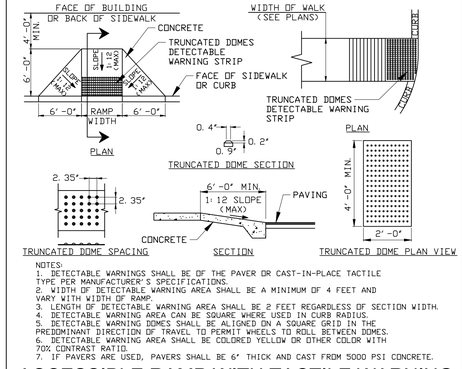


NOTE:
2% MAXIMUM SLOPE IN ANY DIRECTION WITHIN H/C PARKING SPACES

ACCESSIBLE PARKING
N. T. S.

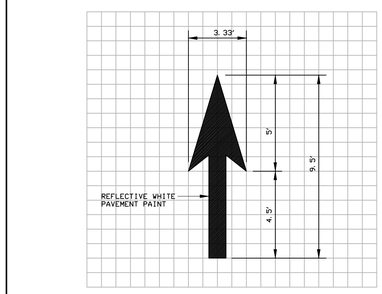


ACCESSIBLE PARKING SYMBOL
N. T. S.

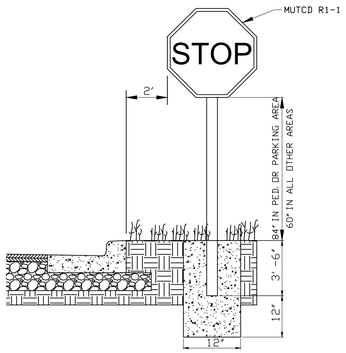


NOTES:
1. DETECTABLE WARNINGS SHALL BE OF THE PAVER OR CAST-IN-PLACE TACTILE TYPE PER MANUFACTURER'S SPECIFICATIONS.
2. WIDTH OF DETECTABLE WARNING AREA SHALL BE A MINIMUM OF 4 FEET AND VARY WITH WIDTH OF RAMP.
3. LENGTH OF DETECTABLE WARNING AREA SHALL BE 2 FEET REGARDLESS OF SECTION WIDTH.
4. DETECTABLE WARNING AREA CAN BE SQUARE WHERE USED IN CURB RADIUS.
5. DETECTABLE WARNING DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
6. DETECTABLE WARNING AREA SHALL BE COLORED YELLOW OR OTHER COLOR WITH 70% CONTRAST RATIO.
7. IF PAVERS ARE USED, PAVERS SHALL BE 6" THICK AND CAST FROM 5000 PSI CONCRETE.

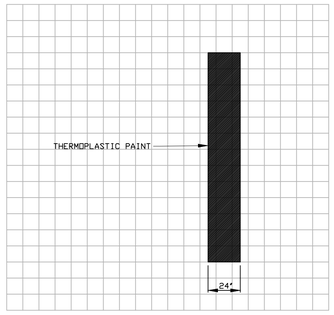
ACCESSIBLE RAMP WITH TACTILE WARNING
N. T. S.



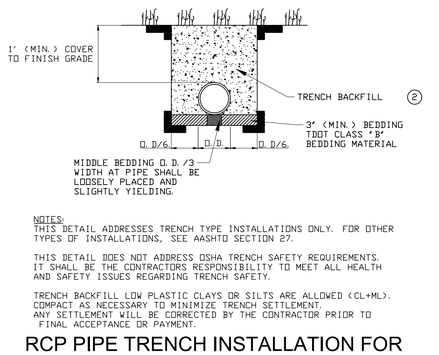
STRAIGHT DIRECTIONAL ARROW
N. T. S.



STOP SIGN
N. T. S.



STOP BAR
N. T. S.

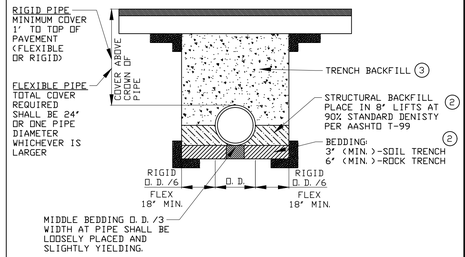


NOTES:
THIS DETAIL ADDRESSES TRENCH TYPE INSTALLATIONS ONLY. FOR OTHER TYPES OF INSTALLATIONS, SEE AASHTO SECTION 27.

THIS DETAIL DOES NOT ADDRESS OSHA TRENCH SAFETY REQUIREMENTS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MEET ALL HEALTH AND SAFETY ISSUES REGARDING TRENCH SAFETY.

TRENCH BACKFILL LOW PLASTIC CLAYS OR SILTS ARE ALLOWED (CL+ML). COMPACT AS NECESSARY TO MINIMIZE TRENCH SETTLEMENT. ANY SETTLEMENT WILL BE CORRECTED BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE OR PAYMENT.

RCP PIPE TRENCH INSTALLATION FOR NON-TRAFFIC BEARING AREAS
N. T. S.



NOTES:
1 THIS DETAIL ADDRESSES A TRENCH TYPE INSTALLATION. FOR EMBANKMENT OR OTHER INSTALLATIONS. FOR CMP SEE AASHTO SECTION 27. FOR RCP SEE AASHTO SECTION 26, FOR HDPE SEE AASHTO SECTION 30.

THIS DETAIL DOES NOT ADDRESS OSHA TRENCH SAFETY REQUIREMENTS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MEET ALL HEALTH AND SAFETY ISSUES REGARDING TRENCH SAFETY.

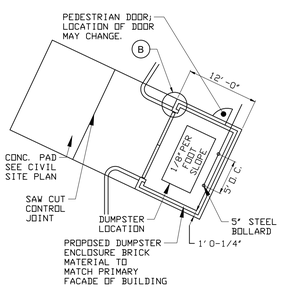
2 BEDDING AND STRUCTURAL BACKFILL MATERIAL SHALL BE CRUSHED STONE AND SHALL MEET THE REQUIREMENTS OF TDOT CLASS "B" BEDDING (GRADE C, D, OR E). STRUCTURAL BACKFILL SHALL BE PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 90% STANDARD DENSITY PER AASHTO T-99.

3 TRENCH BACKFILL
FOR ALL PIPES (FLEX OR RIGID) WITH LESS THAN 5 FEET OF COVER. TRENCH BACKFILL SHALL BE CRUSHED STONE MEETING TDOT CLASS "B" BEDDING (GRADATION C, D, OR E OF SUBSECTION 903. 05 OF TDOT STANDARD SPECIFICATION FOR ROAD & BRIDGE CONSTRUCTION.)

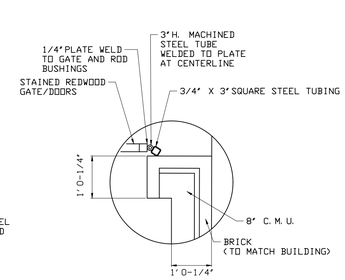
TRENCH BACKFILL WILL BE PLACED IN 8" LOOSE LIFTS AND BE COMPACTED TO 90% STANDARD DENSITY PER AASHTO T-99.

IF RCP PIPE IS USED AND IF THE COVER OF THE PIPE IS 5 FEET OR GREATER THE CONTRACTOR MAY USE LOW PLASTIC CLAYS OR SILTS (CL OR ML) FOR TRENCH BACKFILL. WHEN CONTRACTORS USE RCP WITH CL OR ML AS TRENCH BACKFILL MATERIAL, THE CONTRACTOR WILL GUARANTEE THE TRENCH FOR A PERIOD OF ONE YEAR FROM PROJECT FINAL PAYMENT AGAINST SETTLEMENT AND OR PAVEMENT DAMAGE TO OWNER.

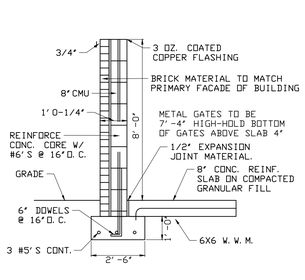
RCP OR FLEXIBLE PIPE TRENCH INSTALLATION FOR TRAFFIC BEARING AREAS
N. T. S.



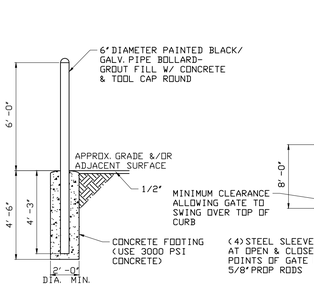
A PARTIAL SITE PLAN



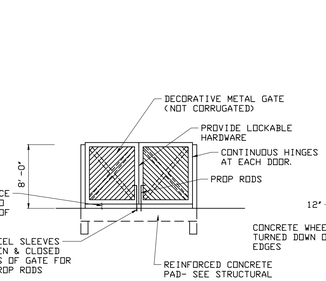
B ENLARGED PLAN DETAIL



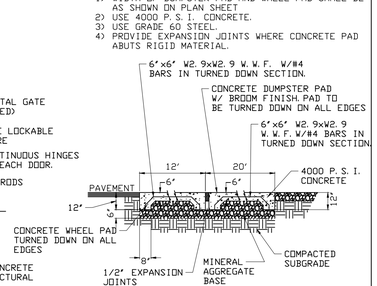
C ENLARGED PLAN DETAIL



D BOLLARD DETAIL



E DUMPSTER GATE DETAIL



F DUMPSTER PAD W/ WHEEL PAD

NOTES:
1) WIDTH OF DUMPSTER PAD AND WHEEL PAD SHALL BE AS SHOWN ON PLAN SHEET
2) USE 4000 P. S. I. CONCRETE.
3) USE GRADE 60 STEEL.
4) PROVIDE EXPANSION JOINTS WHERE CONCRETE PAD ABUTS RIGID MATERIAL.

DUMPSTER ENCLOSURE
N. T. S.

HERITAGE CIVIL PLLC
2055 N. Mt. Juliet Road, Ste 204
Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133H- Parcel 301

PLAN SET REVISION LOG:

No.	Description	Date
1	PLANNING COMMISSION INITIAL SUBMITTAL	02/26/2026
2	PLANNING COMMISSION RESUBMITTAL	03/26/2026

SEAL
JOSEPH M. HADDIX REGISTERED ENGINEER 140371 02/26/26 STATE OF TENNESSEE

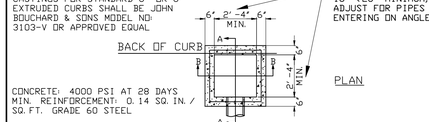
CIVIL DETAILS

C5.01

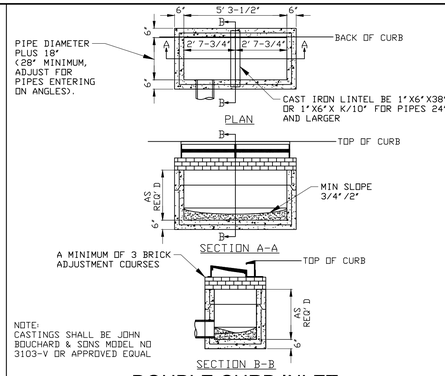
HC PROJECT NO.: 25-04

Feb 27, 2026 - 7:28am \\heritage-server\Data\Projects\2025\25-041-01\Cadd\Civil\Site Plan\25-041-01 - C5.01 - Civil Details.dwg

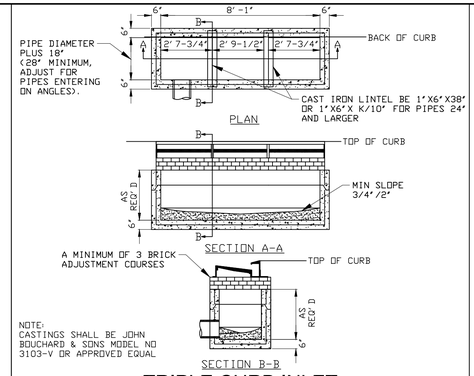
NOTE:
CASTINGS FOR STANDARD CURB AND GUTTER SHOWN (DR-129). ACCEPTABLE SUBSTITUTES WHERE USE IS DIRECTED AREA DR-130, DR-132 AND DR-133. CASTINGS FOR STANDARD 6" DR 8" EXTRUDED CURBS SHALL BE JOHN BOUCHARD & SONS MODEL NO 3103-V OR APPROVED EQUAL



SINGLE CURB INLET
N. T. S.



DOUBLE CURB INLET
N. T. S.



TRIPLE CURB INLET
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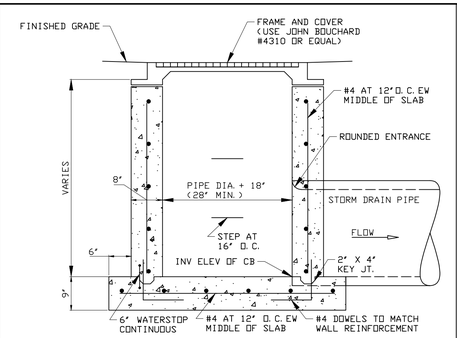
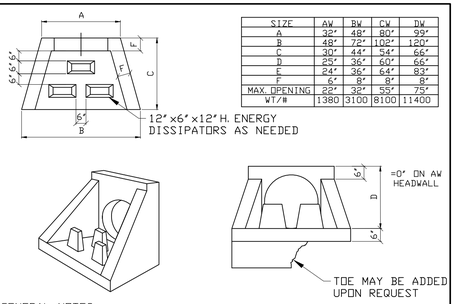


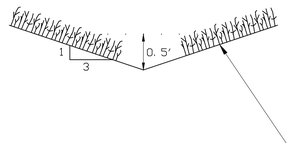
AREA DRAIN
N. T. S.



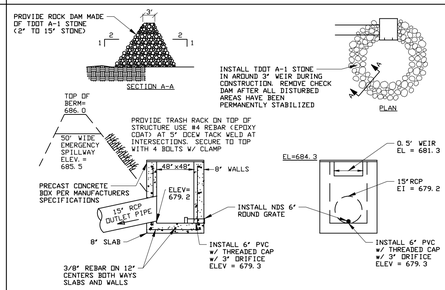
SIZE	AW	BW	CW	DW
A	32"	48"	80"	99"
B	48"	72"	102"	120"
C	30"	44"	54"	66"
D	25"	36"	60"	66"
E	24"	36"	64"	83"
F	6"	8"	8"	8"
MAX. OPENING	22"	32"	55"	75"
WT/#	1380	3100	8100	11400

GENERAL NOTES:
1. MINIMUM REINFORCING WIRE REINFORCEMENT 4X4 W7XW7.
2. f'c = 4,500 PSI.
3. fy = 60 KSI.

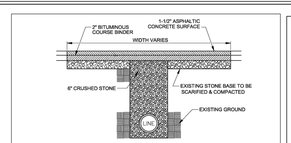
WINGED HEADWALL WITH ENERGY DISSIPATORS
N. T. S.



PERMANENT SWALE
N. T. S.

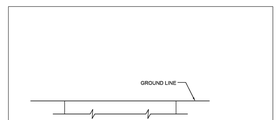


POND 1 - PERMANENT OUTLET STRUCTURE
N. T. S.



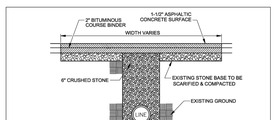
PAVEMENT REPLACEMENT OVER PIPELINE
SCALE: NONE

BARGE DESIGN SOLUTIONS	PAVEMENT REPLACEMENT OVER PIPELINE	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 16	
		PROJECT NO.: 34808-00	DATE: 4-18-2024



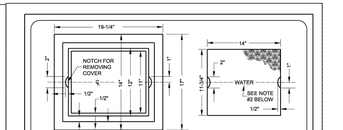
SCALE: NONE

BARGE DESIGN SOLUTIONS	CONCRETE ENCASEMENT	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 14	
		PROJECT NO.: 34808-00	DATE: 4-18-2024



PAVEMENT REPLACEMENT OVER PIPELINE
SCALE: NONE

BARGE DESIGN SOLUTIONS	PAVEMENT REPLACEMENT OVER PIPELINE	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 16	
		PROJECT NO.: 34808-00	DATE: 4-18-2024

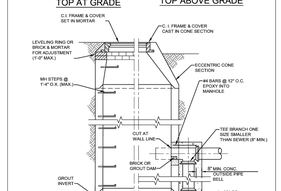


NOTES:
1. NO OPEN SAND CASTINGS. CASTINGS ARE TO BE MADE OF CAST IRON IN ACCORDANCE WITH CURRENT SPECIFICATIONS. COVER MUST FIT INTO FRAME WITHOUT ROCKING IN ORDER TO EQUALLY DISTRIBUTE WEIGHT OF COVER OVER FRAME MINIMUM WEIGHT OF FRAME 150 LBS. MINIMUM WEIGHT OF COVER 45 LBS.
2. VALVE BOX COVERS UPSTREAM (DISTRICT SIDE) OF FIRE METERS SHALL BE LABELED "WATER" AND PAINTED BRIGHT RED.

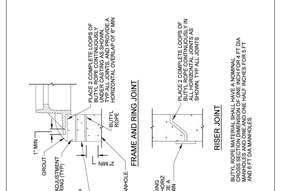
REVISIONS	DATE

CAST IRON VALVE BOX FRAME AND COVER

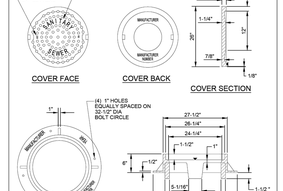
CITY OF MOUNT PLEASANT MAURY COUNTY, TENNESSEE — TSW-009 DRAWING No.



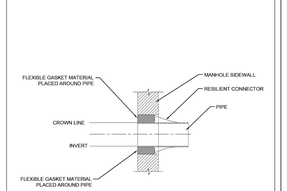
BARGE DESIGN SOLUTIONS	PRECAST CONCRETE MANHOLE	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 1	
		PROJECT NO.: 34808-00	DATE: 4-18-2024



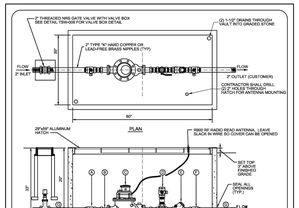
BARGE DESIGN SOLUTIONS	SANITARY MANHOLE JOINT	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 2	
		PROJECT NO.: 34808-00	DATE: 4-18-2024



BARGE DESIGN SOLUTIONS	SANITARY MANHOLE FRAME & COVER	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 3	
		PROJECT NO.: 34808-00	DATE: 4-18-2024



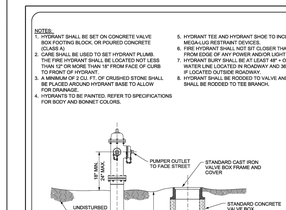
BARGE DESIGN SOLUTIONS	RESILIENT PIPE CONNECTOR TO MANHOLE	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 5	
		PROJECT NO.: 34808-00	DATE: 4-18-2024



REVISIONS	DATE

PRECAST METER VAULT WITH HATCH FOR 2" COMPOUND DOMESTIC METER

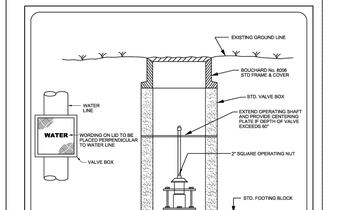
CITY OF MOUNT PLEASANT MAURY COUNTY, TENNESSEE — TSW-002 DRAWING No.



REVISIONS	DATE

FIRE HYDRANT DETAIL

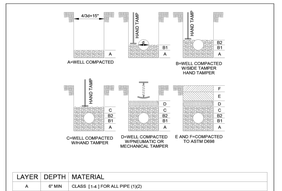
CITY OF MOUNT PLEASANT MAURY COUNTY, TENNESSEE — TSW-007 DRAWING No.



REVISIONS	DATE

VALVE BOX SETTING DETAIL

CITY OF MOUNT PLEASANT MAURY COUNTY, TENNESSEE — TSW-008 DRAWING No.



LAYER	DEPTH	MATERIAL
A	6" MIN	CLASS 3 & 4 FOR ALL PIPE (1)(2)
B	VARIES	CLASS 3 & 4 FOR ALL PIPE TAMPED IN 6" MAXIMUM LAYERS. (2)
C	6"	CLASS 3 & 4 FOR ALL PIPE (2)
D	6"	SELECTED BACKFILL MATERIAL, CLASS 1-4 FOR ALL PIPE.
E	VARIES	CLASS 1 & 2 FOR ALL PIPE. 75% OF BACKFILL MATERIAL MAY CONTAIN BROKEN STONES NOT EXCEEDING 8" IN DIAMETER TAMPED IN 12" MAXIMUM LAYERS.
F	12"	CLASS 2 OR 67 FOR ALL PIPE. FREE OF LARGE, CLODS, VEGETABLE MATTER, TRASH, OR OTHER MATERIAL NOT SUITABLE FOR BACKFILL MATERIAL.

(1) SEE SPECIFICATION SECTION 31 23 33 FOR SPECIAL FOUNDATION PREPARATION.
(2) TDOT No. 67) STONE FOR 6" MIN. STONE ENVELOPE AROUND PVC PIPE

BACKFILLING AND COMPACTION OF TRENCHES IN UNIMPROVED AREAS

TRENCH BACKFILL
NTS

BARGE DESIGN SOLUTIONS	TRENCH BACKFILL	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 9	
		PROJECT NO.: 34808-00	DATE: 4-18-2024

BEDDING AND BACKFILL MATERIAL CLASSIFICATION
1. CLASS 1 MATERIALS: ANGULAR 1/4 TO 1 INCH GRADED STONE INCLUDING A NUMBER OF FILL MATERIALS THAT HAVE REGIONAL SIGNIFICANCE SUCH AS CRUSHED STONE, CINDERS, SLAG AND CRUSHED SHELLS.
2. CLASS 2 MATERIALS: COARSE SANDS AND GRAVELS WITH A WIDE RANGE OF GRAIN SIZES INCLUDING SOME CLEAN VARIETIES (LESS THAN 12% PASSING #200 SIEVE), GRAVELLY SANDS AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINES, GENERALLY GRANULAR AND NON-COHESIVE, EITHER WET OR DRY.
3. CLASS 3 MATERIAL: FINE SAND AND CLAYEY GRAVELS, INCLUDING GRAVEL-CLAY MIXTURES, SAND-CLAY MIXTURES, AND VARIOUS CLAY MATERIALS.
4. CLASS 4 MATERIAL: SILT, SILTY CLAYS AND CLAYS, INCLUDING INORGANIC CLAYS, AND SILTS OF MEDIUM TO HIGH PLASTICITY AND LIQUID LIMITS.
5. CLASS 5 MATERIAL: ORGANIC SOILS, AS WELL AS SOIL CONTAINING FROZEN EARTH, DEBRIS, ROCKS LARGER THAN 1 1/2 INCHES AND OTHER FOREIGN MATERIALS.

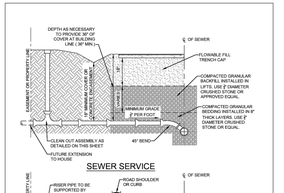
LAYER	DEPTH	MATERIAL
A	6" MIN	CLASS 3 & 4 FOR ALL RIGID PIPE (1)(2)
B	VARIES	CLASS 3 & 4 FOR ALL RIGID PIPE TAMPED IN 6" MAXIMUM LAYERS. (2)
C	6"	CLASS 3 & 4 FOR ALL RIGID PIPE (2)
D	6"	CLASS 3 & 4 FOR ALL PIPE.
E	VARIES	CLASS 1 & 2 FOR ALL PIPE.
F	12"	CLASS 2 OR 67 FOR ALL PIPE EXCEPT USE CLASS A GRADE D CRUSHED STONE FOR ROADWAY AND PAVEMENT UNLESS OTHERWISE NOTED.

(1) SEE SPECIFICATION SECTION 31 23 33 FOR SPECIAL FOUNDATION PREPARATION.
(2) TDOT NO. 57) STONE FOR 6" MIN. STONE ENVELOPE AROUND PVC PIPE

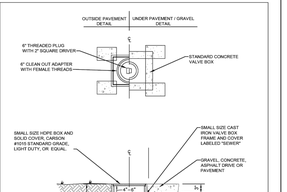
BACKFILLING AND COMPACTION OF TRENCHES IN PAVED AREAS

TRENCH BACKFILL
NTS

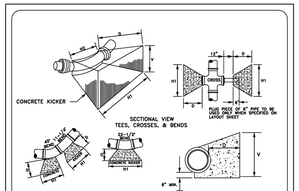
BARGE DESIGN SOLUTIONS	TRENCH BACKFILL	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 10	
		PROJECT NO.: 34808-00	DATE: 8-22-2022



BARGE DESIGN SOLUTIONS	SERVICE REPAIR	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 11	
		PROJECT NO.: 34808-00	DATE: 4-18-2024



BARGE DESIGN SOLUTIONS	CLEANOUT	DRAWN BY: COS	CHECKED BY: MTJ
	CITY OF MT PLEASANT STANDARD SEWER SPECIFICATIONS	DETAIL 12	
		PROJECT NO.: 34808-00	DATE: 4-18-2024



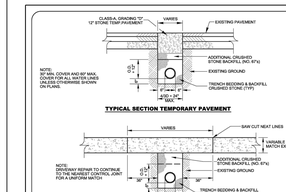
NOTES:
1. ALL CAPS ON FITTINGS TO BE RESTRAINED JOINT PIPE AND FITTINGS THRUST BLOCKING IS NOT REQUIRED
2. ALL PIPE AND FITTINGS TO BE RESTRAINED JOINT PIPE AND FITTINGS ARE NOT USED.
3. THRUST BLOCKS MAY BE REQUIRED IN OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.
4. CONCRETE FOR THRUST BLOCKS SHALL HAVE 4000 PSI COMPRESSIVE STRENGTH.
5. CONCRETE SHALL NOT BE POURED IN WET OR FROZEN GROUND.
6. CONCRETE SHALL BEAR AGAINST UNDISTURBED EARTH.
7. ALL EXISTING SHALL BE PROVIDED AT FITTINGS SO AS TO PREVENT LOOSENING AND/OR JOLTS WITH CONCRETE.

NOM PIPE SIZE	90° BEND		45° BEND		22½° BEND		11¼° BEND		TEE		CROSS		PLUG
	A	B	A	B	A	B	A	B	A	B	A	B	
4"	1.0	1.0	0.7	0.7	0.4	0.4	0.2	0.2	1.0	1.0	1.0	1.0	1.0
6"	1.5	1.5	1.0	1.0	0.6	0.6	0.3	0.3	1.5	1.5	1.5	1.5	1.5
8"	2.0	2.0	1.4	1.4	0.8	0.8	0.4	0.4	2.0	2.0	2.0	2.0	2.0
10"	2.5	2.5	1.7	1.7	1.0	1.0	0.5	0.5	2.5	2.5	2.5	2.5	2.5
12"	3.0	3.0	2.1	2.1	1.2	1.2	0.6	0.6	3.0	3.0	3.0	3.0	3.0
16"	4.0	4.0	2.8	2.8	1.6	1.6	0.8	0.8	4.0	4.0	4.0	4.0	4.0
20"	5.0	5.0	3.5	3.5	2.0	2.0	1.0	1.0	5.0	5.0	5.0	5.0	5.0
24"	6.0	6.0	4.2	4.2	2.4	2.4	1.2	1.2	6.0	6.0	6.0	6.0	6.0

CONCRETE THRUST BLOCK DETAILS

REVISIONS	DATE

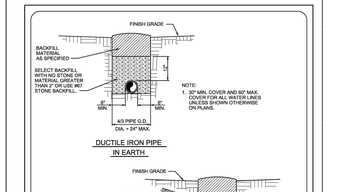
CITY OF MOUNT PLEASANT MAURY COUNTY, TENNESSEE — TSW-013 DRAWING No.



TYPICAL TRENCH DETAILS IN TRAFFIC AREAS

REVISIONS	DATE

CITY OF MOUNT PLEASANT MAURY COUNTY, TENNESSEE — TSW-016 DRAWING No.



TYPICAL TRENCH DETAIL NON-PAVED AREAS

REVISIONS	DATE

CITY OF MOUNT PLEASANT MAURY COUNTY, TENNESSEE — TSW-017 DRAWING No.

HERITAGE CIVIL
2055 N. Mt. Juliet Road, Ste 204
Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 135H - Parcel 301

No.	Description	Date
1	PLAN SET REVISION LOG: PLANNING COMMISSION INITIAL SUBMITTAL	05/22/2025
2	PLANNING COMMISSION RESUBMITTAL	06/23/2025

SEAL
J

HERITAGE CIVIL PLLC
2055 N Mt. Juliet Road, Ste 204
Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mount Pleasant, Maury County, Tennessee
Map 133-1 - Parcel 3.01

PLAN SET REVISION LOG:

No.	Description	Date
1	PLANNING COMMISSION INITIAL SUBMITTAL	02/26/2026
2	PLANNING COMMISSION RESUBMITTAL	02/26/2026

SEAL

JOSEPH M. HADDAD
REGISTERED ENGINEER
114921
STATE OF TENNESSEE
02/26/26

TURN TEMPLATE

C6.00

HC PROJECT NO.: 25-041

PROJECT BENCHMARK:
DESCRIPTION: TAG BOLT ON FIRE HYDRANT
N: 441850.17
E: 1607547.36
ELEV: 690.66'

SCALE: 1"=30'

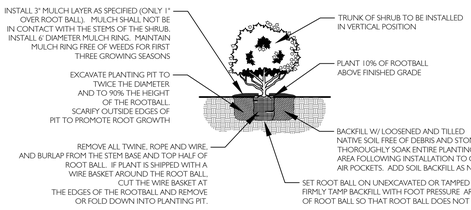
FIRE TRUCK

Feb 27, 2026 - 7:28am \\heritage-server\Data\Projects\2025\25-041\01Cadd\Civil\Site Plan\25-041-01 - C6.00 - Turn Template.dwg

Tree Quality Notes:

1. Unless specifically noted, all trees shall be of specimen quality, exceptionally heavy, symmetrical, and so trained or favored in development and appearance as to be unquestionably and outstandingly superior in form, compactness, and symmetry. They shall be sound, healthy, vigorous well branched, and densely foliated when in leaf; free of disease and insects; and shall have healthy, well-developed root systems. They shall be free from physical damage or other conditions that would prevent vigorous growth.
2. Trees with co-dominant leaders and/or included bark shall be rejected. Trees with a damaged or crooked leader, girdled trunk, bark abrasions, sunscald, disfiguring knots, insect damage, sheared crown, cuts of limbs over 3/4" diameter that are not completely closed shall be rejected.

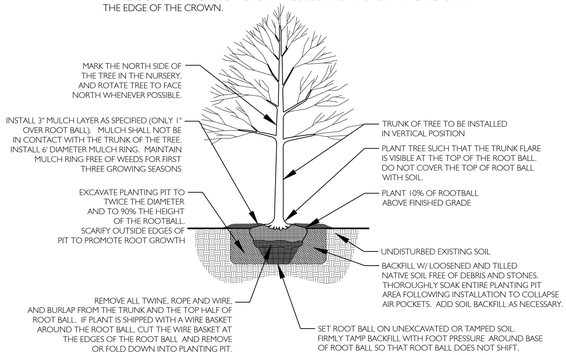
NOTE:
In the event proposed Canopy Trees are in conflict (within 15') with proposed lightpole locations, the Landscape Contractor shall contact the Landscape Architect immediately for coordination of field adjustment.



SHRUB PLANTING DETAIL

NOT TO SCALE

DO NOT HEAVILY PRUNE TREE AT PLANTING AND DO NOT SHEAR TREE CROWN. PRUNE ONLY CROSSOVER LIMBS AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

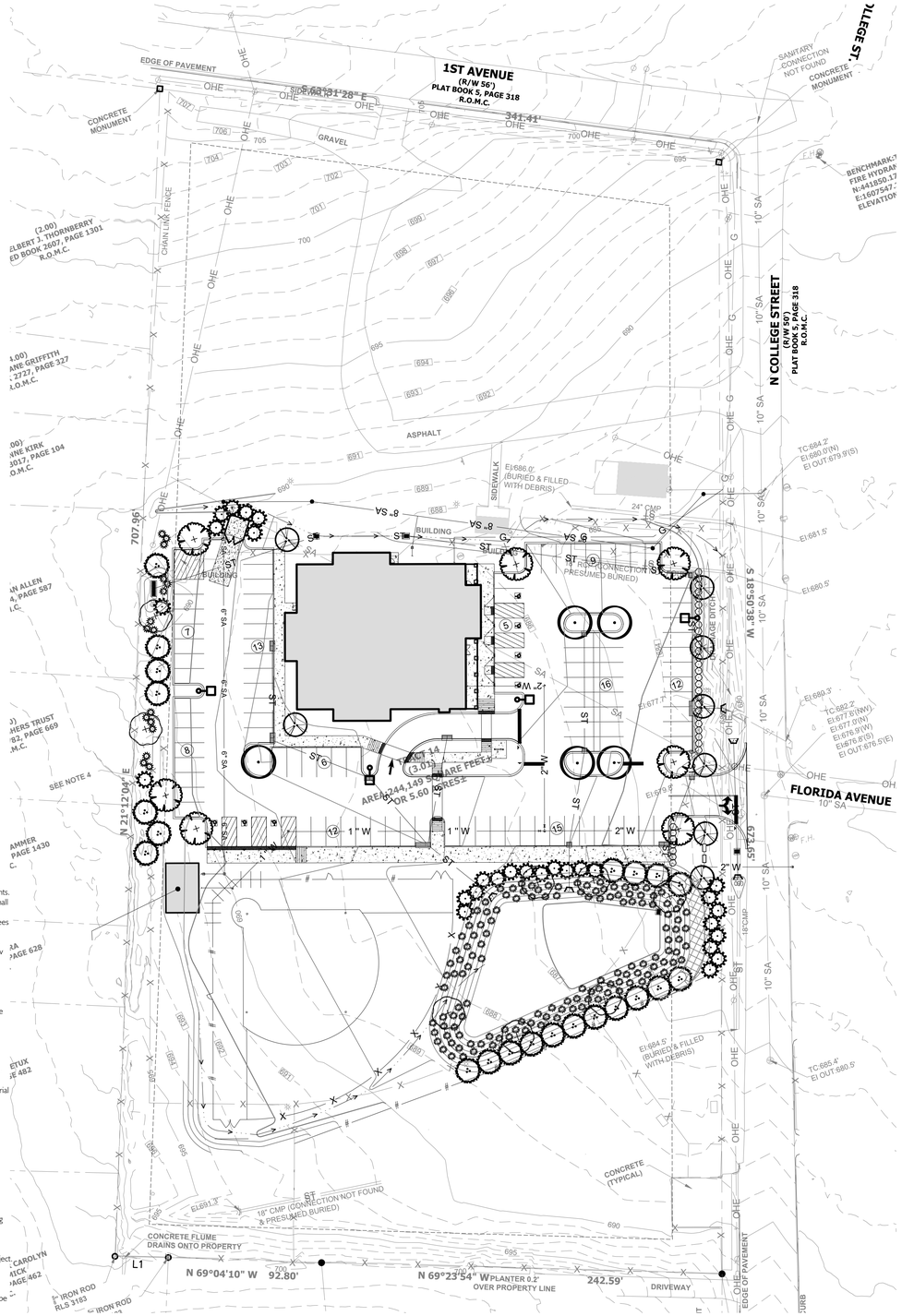


TREE PLANTING DETAIL

NOT TO SCALE

Landscape Notes:

1. All work shall be performed by fully qualified Plantsmen. Use good Horticultural practices to keep all plants and plant material installed in a living, healthy condition up to the date of termination of the contractor's responsibility for care.
2. The Landscape Contractor shall be responsible for examining fully both the site and the bid documents. Discrepancies in the documents or the actual site conditions shall be reported to the Landscape Architect in writing at the time of bidding or discovery. No account shall be made after contract completion for failure to report such condition, or for errors on the part of the Landscape Contractor at the time of bidding.
3. The Landscape Contractor is responsible for locating all underground utilities and shall avoid damage to utilities during the course of the work. The Landscape Contractor is responsible for repairing any damage to utilities, site structures, etc., resulting from landscape construction.
4. The Landscape Contractor shall be responsible for securing all necessary applicable permits and licenses to perform the work set forth on this plan set and the specifications.
5. The Landscape Contractor shall verify all material quantities. In the event of a discrepancy, the quantities shown on the plan will take precedence.
6. No material shall be planted before finish grading has been completed.
7. The plants delivered to the project site shall be planted as soon as site conditions permit. Take care in scheduling plant deliveries and the size of the deliveries so that long periods of storage are avoided. Adequately protect plants placed in temporary storage from the sun and wind; water plants so as to maintain their appearance and health. Plants that have not been properly maintained during temporary storage may be rejected by the Landscape Architect.
8. Should the Contractor encounter unsatisfactory surface or other subsurface drainage conditions, soil depth, latent soils, hard pan, stem of utility lines or other conditions that will jeopardize the health and vigor of the plants, he must advise the Owner's Representative in writing of the conditions prior to installing the plants. Otherwise the Contractor warrants that the planting areas are suitable for proper growth and development of the plant material to be installed and contractor shall take responsibility for the cost of any revision.
9. It is the responsibility of the Contractor to verify that each excavated tree or shrub pit will percolate (drain) prior to adding topsoil of planting mix and installing trees or shrubs. The Contractor shall fill the bottom of selected holes with six inches of water. This water should percolate out within a 24-hour period. If the soil at a given area does not drain properly, a PVC drain or gravel sump shall be installed or the planting relocated to and area approved by the Owner's Representative.
10. Prior to installation of plant materials, the width and length of all parking lot landscape island and median areas are to be excavated to a depth of 24 Inches below the proposed top of pavement elevation. Excavated material is to be removed from the landscape areas and disposed of off site or in an area approved by the Project Engineer. No asphaltic construction trash and/or materials are to be left in the topsoil and planting mix backfill and/or subgrade of any proposed parking area islands and/or planting medians and strips. Parking lot islands and medians are to be backfilled with sifted topsoil as per project specifications and to the elevations indicated on the grading plans.
11. All shrub and ground cover beds not in parking lot islands or median strips are to be excavated to a depth of 12 Inches and disposed of off site or in an area approved by the Project Engineer. Trees in these bed areas shall be installed per the tree planting detail. The bed area is to be backfilled with sifted topsoil to the elevations indicated on the grading plans as per the specifications.
12. The optimum time for planting is from October 1 to April 1. Scheduling for planting at other times must be approved in writing by the Landscape Architect.
13. Existing trees to remain shall be protected from construction damage. Selectively prune dead wood.
14. New tree plantings are to be staked per planting details. Trees that are not staked according to detail will be rejected.
15. All deciduous trees, existing and proposed shall be pruned to provide 4' minimum clear trunk unless otherwise noted.
16. The Landscape Contractor shall stake or mark all plant material locations prior to installation. The Landscape Contractor shall have the Owner's Representative approve all staking prior to installation.
17. All plant material which dies, turns brown, or defoliates (prior to total acceptance of the work) shall be promptly removed from the site and replaced with material of the same species quantity and size and meeting all plant list specifications.
18. The Landscape Contractor shall grade planting beds, as required, to provide positive drainage and promote optimum plant growth.
19. Chemical Weed Control (pre-emergent, i.e. Treflan) shall be applied to all landscape areas prior to any plant installation.
20. All planting areas shall receive a 3" layer of the mulch as specified in the materials schedule, which is to be watered-in after installation.
21. All plants shall be vigorous, healthy material, free of pests and disease.
22. All plants and trees must meet all requirements specified in the plant list, details, and specifications.
23. The standards set forth in "American Standard for Nursery Stock" represent general guideline specifications only and will constitute minimum quality requirements for plant material. All plants must meet minimum size noted at the materials schedule. Trees shall be No. 1 grade specimen and shrubs shall be heavy well shaped specimens as well.
24. All disturbed areas shall be planted with turf as indicated on the materials schedule.
25. Existing sod shall be removed as necessary to accommodate new plantings.
26. Any existing sod areas that are unnecessarily disturbed during the landscape installation shall be resodded to match existing.
27. The Landscape Contractor is responsible for completely maintaining the work (including but not limited to: watering, mulching, spraying, fertilizing, of all planting areas and lawns per project specifications until total acceptance of the work by the owner.
28. The Landscape Contractor shall completely guarantee all work for a period of one year beginning at the date of total acceptance.
29. The Landscape Contractor shall provide the owner with written instructions on the proper care of all specified plant materials prior to final payment.
30. The Landscape Contractor will be responsible for the collection, removal, and proper disposal of any and all debris generated during the installation of this project.
31. ATTENTION OWNER/ INSTALLER:
    This landscape plan has been designed to meet the minimum requirements of the City of Mt. Pleasant zoning ordinance, the approval of the planning commission, and planning department policy. Relocating, substituting, resizing, reducing or deleting material may cause the site to no longer conform to the requirements; Thus problems may arise with releasing the performance/ maintenance bond for landscaping. Deviation from the approved landscape plan shall not be made without first consulting Greenspace Design and then obtaining approval from either the planning commission or the planning department.



PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	TRUNK	REMARKS
CANOPY TREES							
	7	Acer rubrum `October Glory` TM	`October Glory` Maple	12`-14`	6`-7`	2-1/2"	5` Clear Trunk
	22	Pinus strobus	White Pine	6`-8`	3`-4`		F.T.B.
	8	Platanus occidentalis	American Sycamore	12`-14`	6`-7`	2"	5` Clear Trunk
	5	Ulmus parvifolia `Bosque`	Bosque Elm	12`-14`	6`-7`	2-1/2"	5` Clear Trunk
UNDERSTORY TREES							
	8	Cercis canadensis `Forest Pansy` TM	Forest Pansy Redbud	8`-10`	4`-5`	2"	4` Clear Trunk
	28	Ilex x `Nellie R Stevens`	Nellie Stevens Holly	6`-8`	3`-4`	2"	F.T.B.
SHRUBS							
	34	Prunus laurocerasus `Schipkaensis`	Schipka Laurel	24"-30"	18"-24"	F.T.B.	
	16	Viburnum x pragense	Prague Viburnum	18"-24"	18"-24"	F.T.B.	
ORNAMENTAL GRASSES							
	134	Miscanthus sinensis `Gracillimus`	Maiden Grass	24"-30"	18"-24"		#3 Container

TURF
SEED — Turf Mixture — Rebel III Turftype Fescue. Seed all disturbed areas @ 8#/1,000sf.

MISCELLANEOUS — Shredded Hardwood Bark Mulch

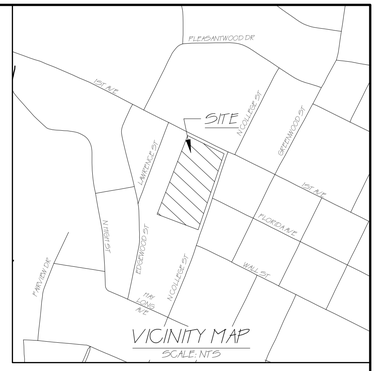
REMARKS — Minimum 3" depth throughout.

NOTES
F.T.B. = Full To Base

PROJECT BENCHMARK:
DESCRIPTION: TAG BOLT ON FIRE HYDRANT
N 641850.17
E 1607547.36
ELEV. 699.66'

N

0 40 80
SCALE: 1" = 40'



HERITAGE CIVIL
2055 N. Mt. Juliet Road, Ste 202
Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

Greenspace Design
Landscape Architecture
1113 Murfreesboro Rd., Suite 106-303 • Franklin, TN 37064

NEW MOUNT PLEASANT LIBRARY
SITE PLAN
301 N College Street, Mt. Pleasant, Maury County, Tennessee
Map 133H - Parcel 301

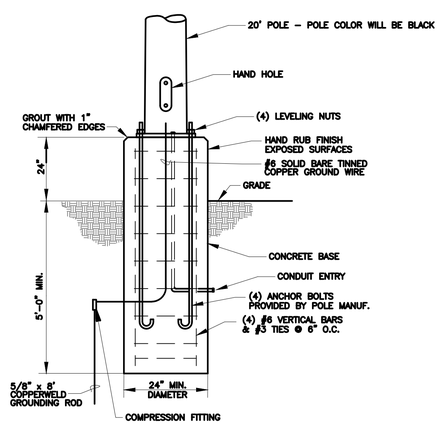
PLAN SET REVISION LOG:
1. Per Comments 02/26/2026

SEAL
JOSHUA B. PARNELL
02/26/2026
LANDSCAPE ARCHITECT

Landscape Plan

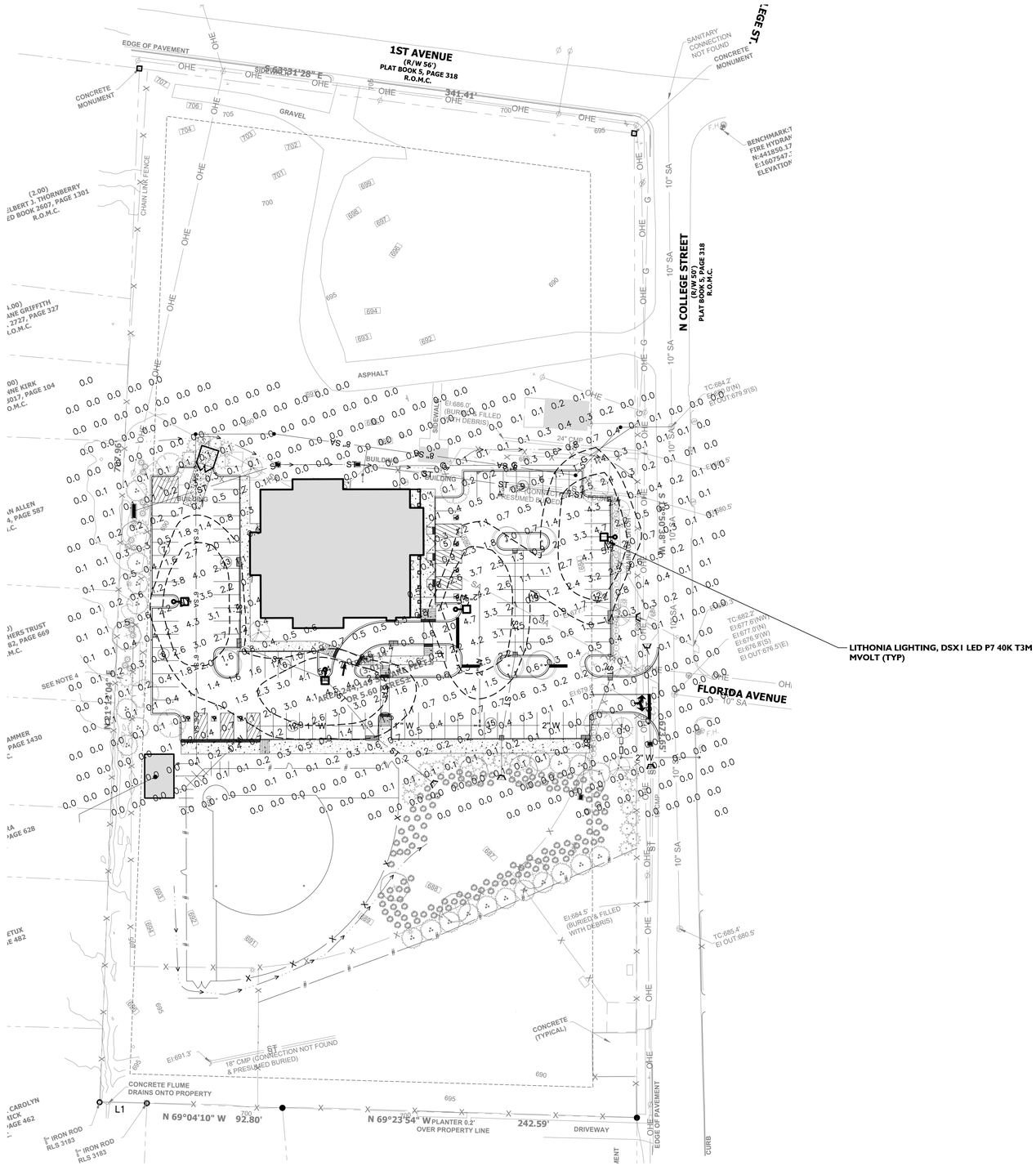
L1.00

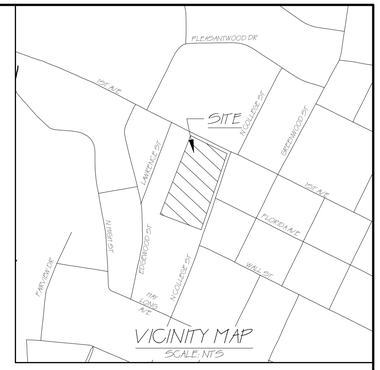
HC PROJECT NO.: 25-04



FOUNDATION DETAIL FOR OUTSIDE LIGHTING

NOT TO SCALE





Greenspace Design
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HERITAGE CIVIL
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Mt. Juliet, TN 37122
JakeP@HeritageCivil.com
615.943.5666

NEW MOUNT PLEASANT LIBRARY

SITE PLAN

301 N College Street, Mt. Pleasant, Maury County, Tennessee
Map 133H - Parcel 301

PLAN SET REVISION LOG:

Description	Date
Revised per comments from City of Mt. Pleasant	02/26/2026

SEAL

Photometric Plan

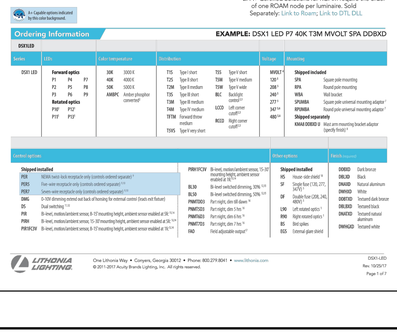
E1.00

HC PROJECT NO.: 25-04

PROJECT BENCHMARK:
DESCRIPTION: TAG BOLT ON FIRE HYDRANT
N: 441890.17
E: 1607547.86
ELEV.: 695.66'

N

0 40' 80'
SCALE: 1" = 40'

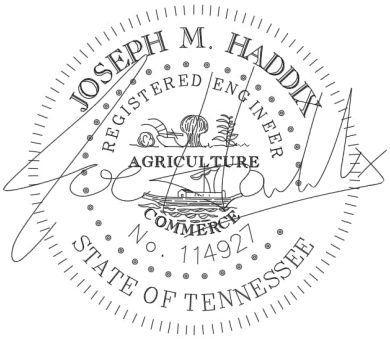


DRAINAGE REPORT

MT. PLEASANT LIBRARY

301 N COLLEGE STREET
MT. PLEASANT, TENNESSEE

FEBRUARY 26, 2025



Prepared by:

HERITAGE CIVIL PLLC

2055 N Mt. Juliet Road, Suite 202
Mt. Juliet, TN 37122
Email: JoeH@HeritageCivil.com
Contact: Joe Haddix, P.E.

PROJECT DESCRIPTION

The Mt. Pleasant Library project is approximately 5.61 acres and located at 301 N. College Street, Mt. Pleasant, TN, Map 113H Parcels 3.01. The disturbed area for this project is 2.96 acres. This project is proposing a new library and a revised softball field along with utilities and stormwater facilities as required by the State and local municipality.

EXISTING SITE CONDITIONS

The existing site currently is a softball field and a dog park. The site has slopes ranging from 5-40% and drains to Sugar Creek from Sugar Fork to Arrow Mines Road which is south-east of the eastern edge of the project area.

PROPOSED SITE CONDITIONS

The proposed site will follow the existing outflow patterns and drain to Sugar Creek from Sugar Fork to Arrow Mines Road. The overall disturbed area for the project is 2.96 acres.

The project's stormwater system has been designed to the 10-year storm event. See Storm Pipe Calculations section.

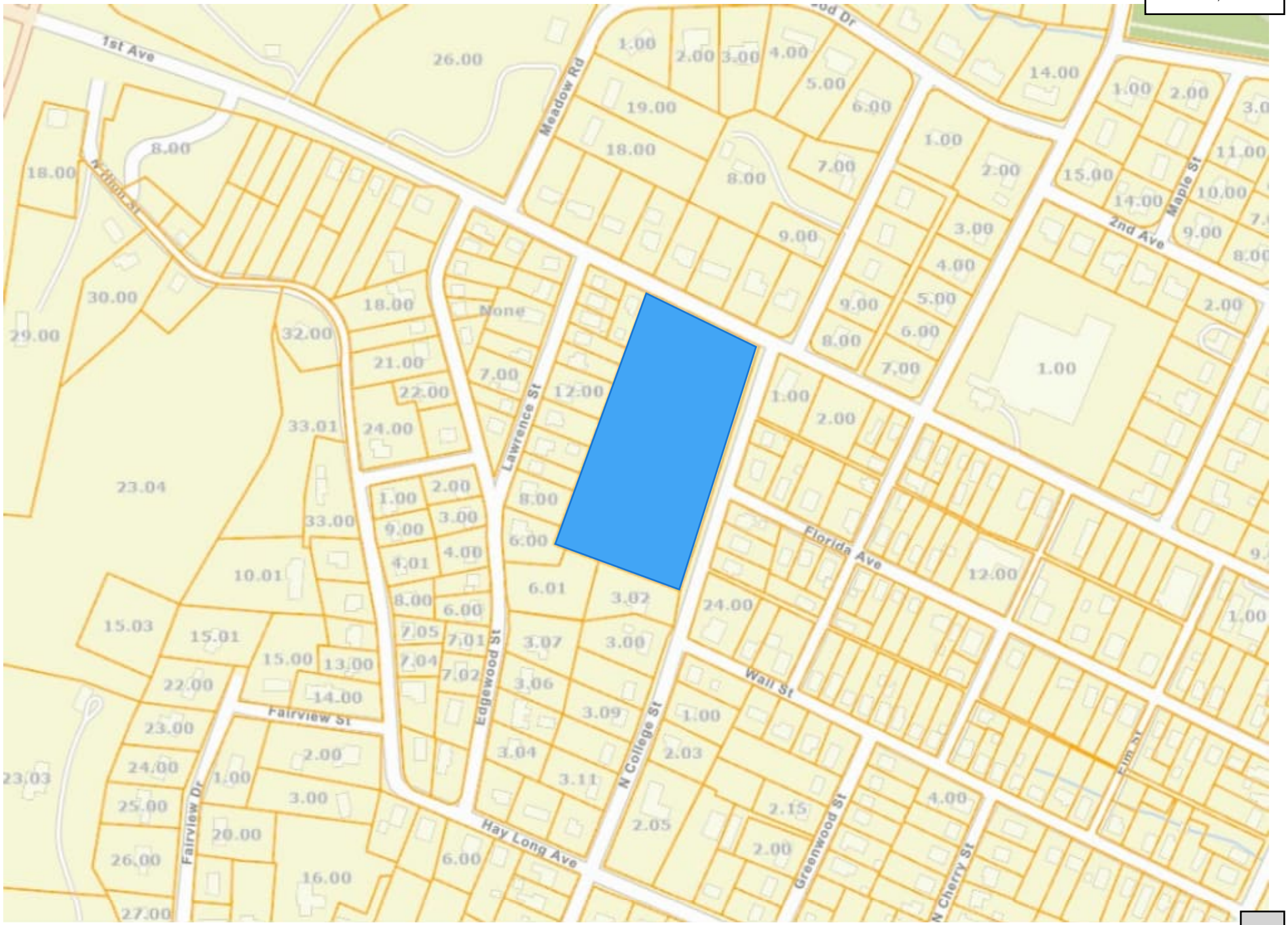
Water quality for the project area is provided by the extended retention water quality pond which has been designed to hold and slowly release the water quality volume for the impervious area of the site. See water quality calculation section.

As shown in the following summary chart, calculations, and exhibits, the overall peak flow is reduced for the 2 through 100-year storm events. See Hydraulic Calculations section.

Description	2-year	5-year	10-year	25-year	50-year	100-year
Pre Basin 1	61.75	85.04	104.16	130.41	151.71	173.37
Post Basin 1 - Combined	52.90	73.71	90.99	114.79	134.15	153.60

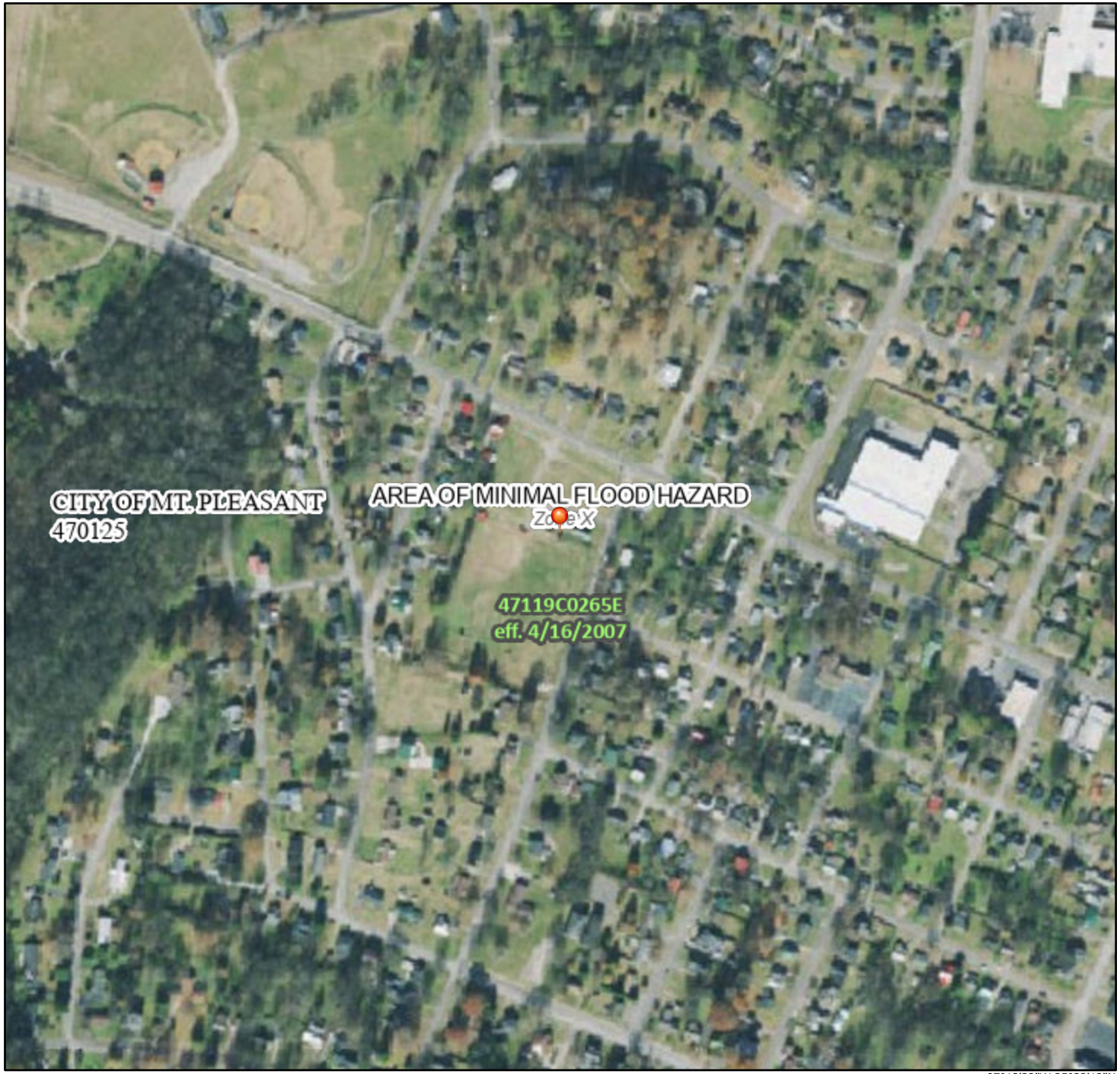
MAPS

301 N. College St, Mt. Pleasant, Maury County, TN



National Flood Hazard Layer FIRMette

87°13'9"W 35°32'41"N



87°12'32"W 35°32'12"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND IN UT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

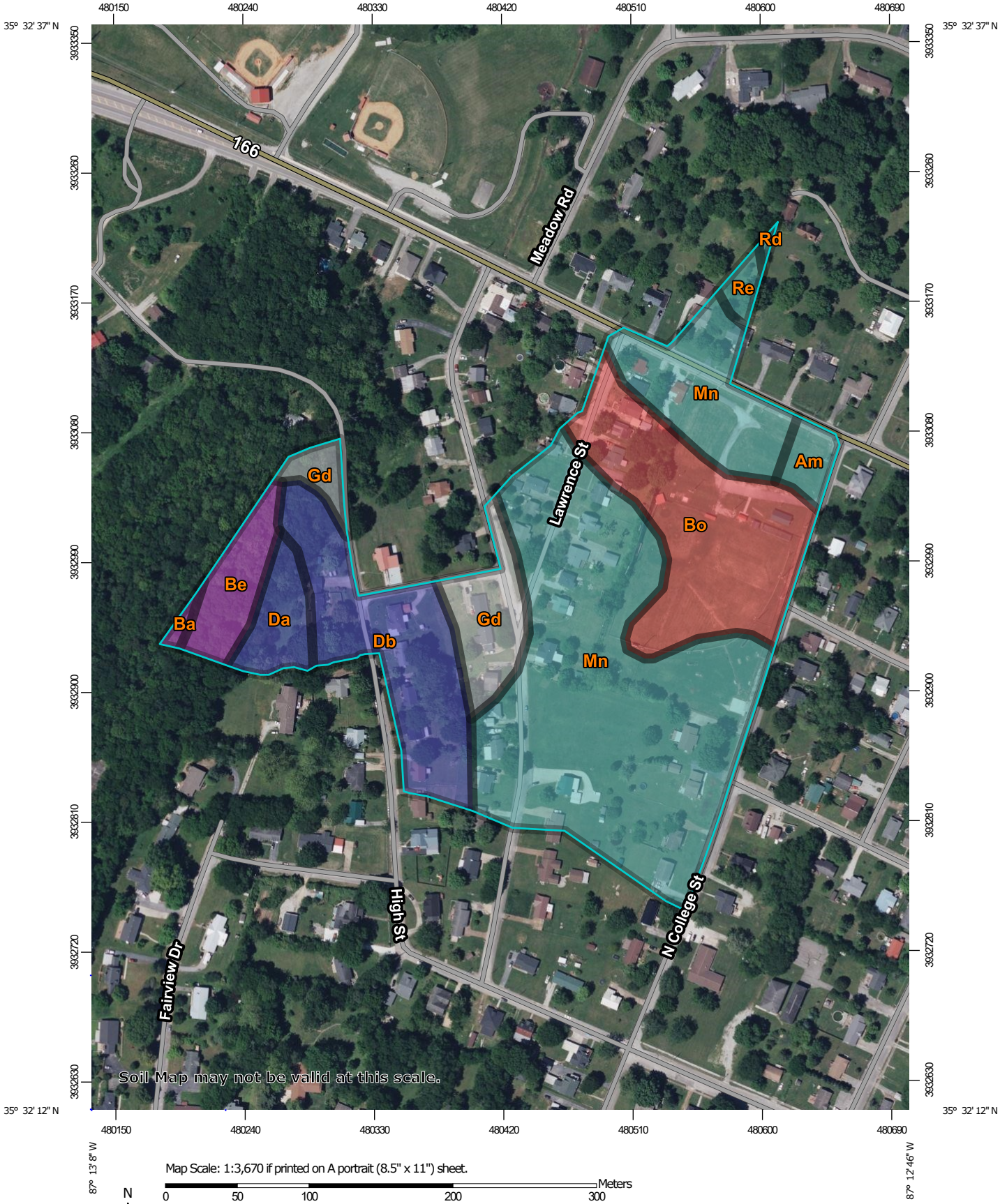
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/6/2026 at 1:10 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community ide FIRM panel number, and FIRM effective date. Map in unmapped and unmodernized areas cannot be used regulatory purposes.

Hydrologic Soil Group—Maury County, Tennessee
(Soils)



Map Scale: 1:3,670 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Soil Rating Lines

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Soil Rating Points

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Water Features

Streams and Canals

Transportation

Rails
Interstate Highways
US Routes
Major Roads
Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Maury County, Tennessee
Survey Area Data: Version 20, Aug 29, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 20, 2021—Jun 14, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Am	Ashwood rocky silty clay, severely eroded sloping phase	C	0.4	1.8%
Ba	Bodine gravelly silt loam, 5 to 12 percent slopes	A	0.1	0.4%
Be	Bodine gravelly silt loam, 20 to 40 percent slopes	A	1.0	4.4%
Bo	Burgin silty clay loam, gently sloping phosphatic phase	D	4.1	18.2%
Da	Dellrose gravelly silt loam, 5 to 12 percent slopes, eroded	B	0.8	3.7%
Db	Dellrose gravelly silt loam, 12 to 20 percent slopes, eroded	B	3.1	13.6%
Gd	Gullied land, phosphatic		1.5	6.7%
Mn	Mimosa silty clay, 5 to 12 percent slopes, severely eroded	C	11.4	50.1%
Rd	Rockland, Mimosa and Inman materials, sloping	C	0.0	0.2%
Re	Rockland, Mimosa and Inman materials, steep	C	0.2	1.0%
Totals for Area of Interest			**22.8**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

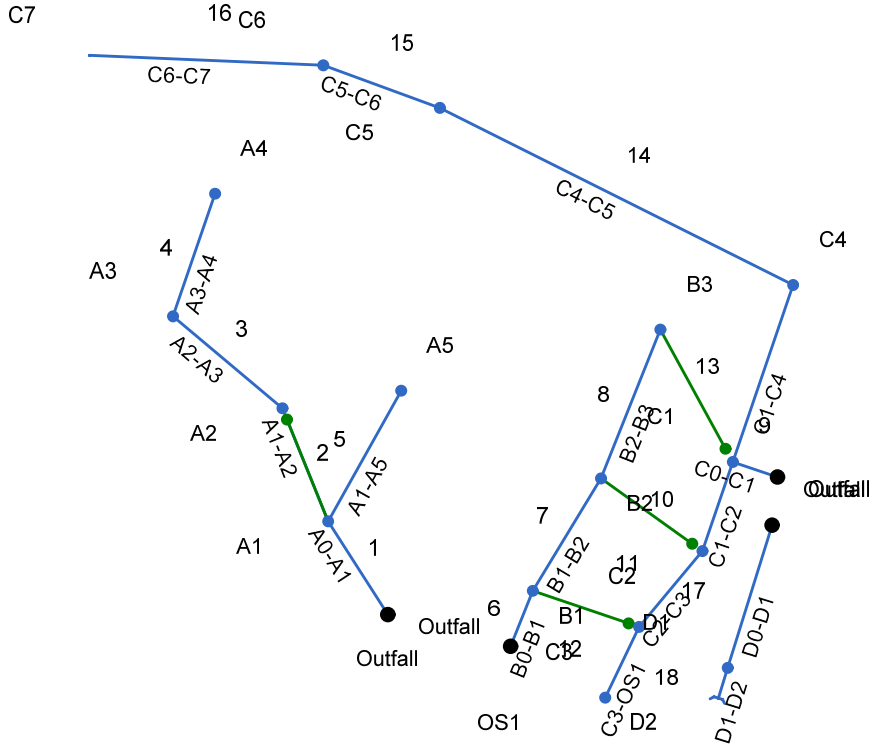
Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

STORM PIPE CALCULATIONS

Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Summary Report

Line No.	Line ID	Flow rate (cfs)	Line Size (in)	Line shape	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line Slope (%)	HGL Down (ft)	HGL Up (ft)	Minor loss (ft)	HGL Junct (ft)	Dns Line No.	Type
1	A0-A1	3.51	15	Cir	48.841	682.71	682.96	0.512	683.52	683.78	0.36	684.13	End	Combination
2	A1-A2	3.26	15	Cir	53.840	683.06	683.33	0.502	684.13	684.24	0.14	684.38	1	Combination
3	A2-A3	1.87	15	Cir	62.979	683.43	683.75	0.508	684.38	684.43	0.17	684.59	2	Combination
4	A3-A4	0.89	15	Cir	57.229	683.85	684.45	1.048	684.59	684.82	n/a	684.82 j	3	Combination
5	A1-A5	0.41	15	Cir	66.057	683.42	683.75	0.500	684.13	684.15	0.02	684.17	1	Combination
6	B0-B1	1.64	15	Cir	26.398	681.76	681.90	0.530	682.27	682.41	0.09	682.50	End	Combination
7	B1-B2	1.08	15	Cir	58.000	682.00	682.29	0.500	682.50	682.70	0.07	682.77	6	Combination
8	B2-B3	0.82	15	Cir	70.768	682.39	682.75	0.509	682.77	683.11	0.12	683.23	7	Combination
9	C0-C1	46.65	36	Cir	20.723	678.15	678.28	0.627	680.34	680.50	n/a	680.50	End	Combination
10	C1-C2	6.42	30	Cir	41.555	678.38	678.59	0.505	680.50	679.43	n/a	679.43	9	Combination
11	C2-C3	6.38	24	Cir	43.605	678.69	678.91	0.504	679.57	679.80	n/a	679.80	10	Combination
12	C3-OS1	6.15	15	Cir	34.581	679.01	679.20	0.549	680.26*	680.57*	0.39	680.96	11	DropGrate
13	C1-C4	39.07	30	Cir	82.567	679.50	680.40	1.090	681.38	682.51	1.81	682.51	9	DropGrate
14	C4-C5	39.42	30	Cir	174.000	680.50	683.10	1.494	682.51	685.21	n/a	685.21	13	DropGrate
15	C5-C6	38.69	30	Cir	54.561	683.20	683.90	1.283	685.21	686.00	n/a	686.00	14	DropGrate
16	C6-C7	31.99	30	Cir	103.000	684.00	685.00	0.971	686.00	686.92	n/a	686.92 j	15	DropGrate
17	D0-D1	13.58	19x30	Ell	66.000	678.30	678.63	0.500	679.40	679.90	n/a	679.90	End	DropGrate
18	D1-D2	13.41	18	Cir	14.000	678.73	680.70	14.072	679.90	682.06	0.98	682.06	17	OpenHeadwall

Project File: Mt. Pleasant Library - Storm Calcs.stm | Number of lines: 18 | Run Date: 2/24/2026

NOTES: Return period = 10 Yrs. ; *Surcharged (HGL above crown). ; j - Line contains hyd. jump.

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	48.841	0.01	0.59	0.90	0.01	0.53	5.0	8.3	6.6	3.51	4.62	4.15	15	0.51	682.71	682.96	683.52	683.78	685.00	688.00	A0-A1
2	1	53.840	0.23	0.52	0.90	0.21	0.47	5.0	7.0	7.0	3.26	4.57	3.16	15	0.50	683.06	683.33	684.13	684.24	688.00	687.00	A1-A2
3	2	62.979	0.16	0.29	0.90	0.14	0.26	5.0	6.3	7.2	1.87	4.60	2.31	15	0.51	683.43	683.75	684.38	684.43	687.00	687.10	A2-A3
4	3	57.229	0.13	0.13	0.90	0.12	0.12	5.0	5.0	7.6	0.89	6.61	2.05	15	1.05	683.85	684.45	684.59	684.82	687.10	687.70	A3-A4
5	1	66.057	0.06	0.06	0.90	0.05	0.05	5.0	5.0	7.6	0.41	4.56	0.89	15	0.50	683.42	683.75	684.13	684.15	688.00	687.00	A1-A5
6	End	26.398	0.10	0.27	0.90	0.09	0.24	5.0	7.8	6.7	1.64	4.70	3.48	15	0.53	681.76	681.90	682.27	682.41	685.00	686.00	B0-B1
7	6	58.000	0.05	0.17	0.90	0.05	0.15	5.0	6.8	7.0	1.08	4.57	2.69	15	0.50	682.00	682.29	682.50	682.70	686.00	686.00	B1-B2
8	7	70.768	0.12	0.12	0.90	0.11	0.11	5.0	5.0	7.6	0.82	4.61	2.70	15	0.51	682.39	682.75	682.77	683.11	686.00	686.00	B2-B3
9	End	20.723	0.32	13.39	0.90	0.29	8.12	5.0	16.9	5.0	46.655	2.82	8.37	36	0.63	678.15	678.28	680.34	680.50	681.00	684.00	C0-C1
10	9	41.555	0.01	0.06	0.90	0.01	0.05	5.0	16.4	5.1	6.42	29.16	2.95	30	0.51	678.38	678.59	680.50	679.43	684.00	682.80	C1-C2
11	10	43.605	0.05	0.05	0.90	0.05	0.05	5.0	16.0	5.1	6.38	16.06	4.76	24	0.50	678.69	678.91	679.57	679.80	682.80	683.40	C2-C3
12	11	34.581	0.00	0.00	0.00	0.00	0.00	15.9	15.9	0.0	6.15	4.79	5.01	15	0.55	679.01	679.20	680.26	680.57	683.40	685.00	C3-OS1
13	9	82.567	0.01	13.01	0.90	0.01	7.78	5.0	16.6	5.0	39.074	2.82	9.37	30	1.09	679.50	680.40	681.38	682.51	684.00	685.00	C1-C4
14	13	174.000	0.34	13.00	0.50	0.17	7.77	5.0	16.3	5.1	39.425	0.13	9.12	30	1.49	680.50	683.10	682.51	685.21	685.00	687.90	C4-C5
15	14	54.561	2.27	12.66	0.60	1.36	7.60	5.0	16.2	5.1	38.694	6.45	8.96	30	1.28	683.20	683.90	685.21	686.00	687.90	688.50	C5-C6
16	15	103.000	10.39	10.39	0.60	6.23	6.23	15.9	15.9	5.1	31.994	0.41	7.75	30	0.97	684.00	685.00	686.00	686.92	688.50	688.50	C6-C7
17	End	66.000	0.05	3.58	0.50	0.03	1.79	5.0	5.0	7.6	13.581	5.50	5.26	19 x 30 e	0.50	678.30	678.63	679.40	679.90	680.80	682.00	D0-D1
18	17	14.000	3.53	3.53	0.50	1.77	1.77	5.0	5.0	7.6	13.413	9.39	8.52	18	14.07	678.73	680.70	679.90	682.06	682.00	682.70	D1-D2

Project File: Mt. Pleasant Library - Storm Calcs.stm

Number of lines: 18

Run Date: 2/24/2026

NOTES:Intensity = 71.80 / (Inlet time + 12.00) ^ 0.79; Return period =Yrs. 10 ; c = cir e = ellip b = box

Inlet Report

Line No	Inlet ID	Q = CIA (cfs)	Q carry (cfs)	Q capt (cfs)	Q Byp (cfs)	Junc Type	Curb Inlet		Grate Inlet			Gutter							Inlet			Byp Line No
							Ht (in)	L (ft)	Area (sqft)	L (ft)	W (ft)	So (ft/ft)	W (ft)	Sw (ft/ft)	Sx (ft/ft)	n	Depth (ft)	Spread (ft)	Depth (ft)	Spread (ft)	Depr (in)	
1	A1	0.07	0.00	0.07	0.00	Comb	4.0	2.50	0.00	2.50	1.78	0.020	2.00	0.020	0.020	0.013	0.04	2.15	0.01	0.43	0.0	2
2	A2	1.57	0.00	1.57	0.00	Comb	4.0	7.50	5.94	7.50	1.78	Sag	2.00	0.020	0.020	0.000	0.15	7.56	0.15	7.56	0.0	Off
3	A3	1.09	0.00	1.09	0.00	Comb	4.0	5.00	3.96	5.00	1.78	Sag	2.00	0.020	0.020	0.000	0.14	7.10	0.14	7.10	0.0	Off
4	A4	0.89	0.00	0.89	0.00	Comb	4.0	5.00	3.96	5.00	1.78	Sag	2.00	0.020	0.020	0.000	0.13	6.32	0.13	6.32	0.0	Off
5	A5	0.41	0.00	0.41	0.00	Comb	4.0	5.00	3.96	5.00	1.78	Sag	2.00	0.020	0.020	0.000	0.08	4.18	0.08	4.18	0.0	Off
6	B1	0.68	0.00	0.53	0.16	Comb	4.0	2.50	0.00	2.50	1.78	0.050	2.00	0.020	0.020	0.013	0.09	4.28	0.05	2.46	0.0	11
7	B2	0.34	0.00	0.30	0.04	Comb	4.0	2.50	0.00	2.50	1.78	0.050	2.00	0.020	0.020	0.013	0.07	3.30	0.03	1.52	0.0	10
8	B3	0.82	0.00	0.61	0.21	Comb	4.0	2.50	0.00	2.50	1.78	0.050	2.00	0.020	0.020	0.013	0.09	4.58	0.06	2.75	0.0	9
9	C1	2.19	0.22	2.41	0.00	Comb	4.0	7.50	5.94	7.50	1.78	Sag	2.00	0.020	0.020	0.000	0.19	9.70	0.19	9.70	0.0	Off
10	C2	0.07	0.04	0.11	0.00	Comb	4.0	2.50	0.00	2.50	1.78	0.050	2.00	0.020	0.020	0.013	0.04	2.17	0.01	0.48	0.0	Off
11	C3	0.34	0.16	0.50	0.00	Comb	4.0	5.00	3.96	5.00	2.50	Sag	2.50	0.020	0.020	0.000	0.09	4.50	0.09	4.50	0.0	Off
12	OS1	6.15*	0.00	6.15	0.00	DrGrt	0.0	0.00	3.06	2.50	2.50	Sag	2.50	0.020	0.020	0.000	0.35	37.25	0.35	37.25	0.0	Off
13	C4	0.07	0.00	0.06	0.01	DrGrt	0.0	0.00	0.00	2.50	1.78	0.010	2.00	0.333	0.333	0.013	0.03	2.19	0.03	2.19	0.0	9
14	C5	1.29	4.86	3.53	2.62	DrGrt	0.0	0.00	0.00	2.50	1.78	0.011	2.00	0.333	0.333	0.013	0.39	4.35	0.39	4.35	0.0	Off
15	C6	10.35	0.00	5.49	4.86	DrGrt	0.0	0.00	0.00	2.50	1.78	0.015	2.00	0.333	0.333	0.013	0.47	4.83	0.47	4.83	0.0	14
16	C7	31.99	0.00	31.99	0.00	DrGrt	0.0	0.00	9.18	7.50	2.50	Sag	2.50	0.333	0.333	0.000	0.66	6.45	0.66	6.45	0.0	Off
17	D1	0.19	0.00	0.19	0.00	DrGrt	0.0	0.00	3.06	2.50	2.50	Sag	2.50	0.010	0.010	0.000	0.03	9.33	0.03	9.33	0.0	Off
18	D2	13.41	0.00	13.41	0.00	Hdwl	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.0	Off

Project File: Mt. Pleasant Library - Storm Calcs.stm | Number of lines: 18 | Run Date: 2/24/2026

NOTES: Inlet N-Values = 0.016; Intensity = 71.80 / (Inlet time + 12.00) ^ 0.79; Return period = 10 Yrs. ; * Indicates Known Q added. All curb inlets are Horiz throat.

Hydraflow IDF Report

Return Period (Yrs)	Equation Coefficients (FHA)			
	B	D	E	(N/A)
1	0.0000	0.0000	0.0000	--------
2	71.4314	12.7000	0.8735	--------
3	0.0000	0.0000	0.0000	--------
5	71.5595	12.4000	0.8251	--------
10	71.8008	12.0000	0.7927	--------
25	65.7617	10.8000	0.7335	--------
50	61.1099	9.8000	0.6889	--------
100	58.8522	9.2000	0.6536	--------

Intensity = B / (Tc + D)^E

Return Period (Yrs)	Intensity Values (in/hr) (Application Calculated)											
	5 min	10	15	20	25	30	35	40	45	50	55	60
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	5.81	4.67	3.93	3.40	3.00	2.69	2.44	2.24	2.07	1.92	1.80	1.69
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	6.78	5.50	4.66	4.06	3.60	3.25	2.96	2.73	2.53	2.36	2.22	2.09
10	7.60	6.19	5.27	4.60	4.10	3.71	3.39	3.13	2.91	2.72	2.56	2.42
25	8.68	7.10	6.06	5.32	4.77	4.33	3.98	3.69	3.44	3.23	3.05	2.89
50	9.55	7.81	6.69	5.90	5.30	4.83	4.45	4.14	3.87	3.65	3.45	3.28
100	10.39	8.53	7.33	6.49	5.85	5.35	4.95	4.61	4.33	4.09	3.88	3.69

Tc = time in minutes. Min Tc = 5

(Manually Input)

Intermediate Intensity Values (In/hr)				
Return Period	5-Minute	15-Minute	30-Minute	60-Minute
1-Yr	0.00	0.00	2.25	1.40
2-Yr	5.81	3.89	2.69	1.69
3-Yr	0.00	0.00	0.00	0.00
5-Yr	6.78	4.58	3.25	2.09
10-Yr	7.60	5.12	3.71	2.42
25-Yr	8.69	5.85	4.33	2.89
50-Yr	9.55	6.42	4.83	3.28
100-Yr	10.40	6.99	5.35	3.69

NOAA Atlas 14, Volume 2, Version 3
Location name: Mount Pleasant, Tennessee, USA*
Latitude: 35.5406°, Longitude: -87.2141°
Elevation: 687 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M.Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	4.92 (4.52-5.39)	5.81 (5.34-6.36)	6.78 (6.24-7.44)	7.60 (6.96-8.30)	8.69 (7.91-9.49)	9.55 (8.64-10.4)	10.4 (9.37-11.4)	11.4 (10.1-12.4)	12.6 (11.1-13.8)	13.6 (11.8-14.9)
10-min	3.93 (3.62-4.30)	4.64 (4.27-5.09)	5.43 (4.99-5.95)	6.07 (5.57-6.64)	6.92 (6.30-7.57)	7.60 (6.88-8.29)	8.30 (7.45-9.05)	9.01 (8.02-9.82)	9.97 (8.75-10.9)	10.7 (9.32-11.7)
15-min	3.27 (3.01-3.58)	3.89 (3.58-4.26)	4.58 (4.21-5.02)	5.12 (4.70-5.60)	5.85 (5.32-6.39)	6.42 (5.80-7.00)	6.99 (6.27-7.62)	7.58 (6.74-8.26)	8.37 (7.35-9.15)	8.98 (7.80-9.83)
30-min	2.24 (2.07-2.46)	2.69 (2.47-2.94)	3.25 (2.99-3.57)	3.71 (3.40-4.06)	4.33 (3.94-4.73)	4.83 (4.37-5.27)	5.35 (4.80-5.84)	5.90 (5.25-6.43)	6.66 (5.85-7.28)	7.27 (6.31-7.96)
60-min	1.40 (1.29-1.53)	1.69 (1.55-1.85)	2.09 (1.92-2.29)	2.42 (2.22-2.64)	2.89 (2.63-3.15)	3.28 (2.96-3.57)	3.69 (3.31-4.02)	4.14 (3.68-4.51)	4.78 (4.19-5.22)	5.31 (4.61-5.81)
2-hr	0.807 (0.740-0.889)	0.969 (0.886-1.07)	1.20 (1.10-1.32)	1.39 (1.26-1.53)	1.66 (1.50-1.82)	1.90 (1.70-2.08)	2.14 (1.91-2.35)	2.41 (2.13-2.64)	2.80 (2.44-3.07)	3.13 (2.69-3.44)
3-hr	0.583 (0.536-0.641)	0.698 (0.641-0.768)	0.861 (0.789-0.944)	0.997 (0.910-1.09)	1.19 (1.08-1.30)	1.35 (1.22-1.48)	1.53 (1.37-1.67)	1.72 (1.52-1.88)	1.99 (1.74-2.18)	2.21 (1.91-2.43)
6-hr	0.364 (0.335-0.399)	0.434 (0.399-0.476)	0.529 (0.486-0.580)	0.610 (0.558-0.668)	0.726 (0.659-0.792)	0.822 (0.742-0.897)	0.925 (0.828-1.01)	1.04 (0.920-1.13)	1.19 (1.05-1.30)	1.32 (1.15-1.45)
12-hr	0.219 (0.202-0.241)	0.262 (0.241-0.287)	0.319 (0.293-0.350)	0.367 (0.336-0.402)	0.434 (0.395-0.475)	0.490 (0.443-0.535)	0.549 (0.493-0.600)	0.612 (0.546-0.669)	0.701 (0.618-0.767)	0.773 (0.675-0.848)
24-hr	0.136 (0.125-0.147)	0.162 (0.150-0.176)	0.198 (0.183-0.215)	0.226 (0.208-0.245)	0.264 (0.243-0.286)	0.295 (0.271-0.319)	0.326 (0.299-0.353)	0.358 (0.327-0.387)	0.402 (0.365-0.435)	0.437 (0.394-0.472)
2-day	0.080 (0.074-0.087)	0.096 (0.088-0.104)	0.117 (0.108-0.127)	0.134 (0.123-0.145)	0.156 (0.143-0.170)	0.175 (0.160-0.189)	0.193 (0.176-0.209)	0.212 (0.193-0.230)	0.238 (0.215-0.258)	0.258 (0.232-0.281)
3-day	0.057 (0.053-0.062)	0.068 (0.063-0.074)	0.083 (0.077-0.090)	0.094 (0.087-0.102)	0.110 (0.101-0.119)	0.122 (0.112-0.132)	0.134 (0.123-0.145)	0.146 (0.134-0.158)	0.163 (0.148-0.176)	0.176 (0.159-0.190)
4-day	0.045 (0.042-0.049)	0.054 (0.050-0.058)	0.066 (0.061-0.071)	0.075 (0.069-0.080)	0.086 (0.080-0.093)	0.095 (0.088-0.103)	0.104 (0.096-0.112)	0.113 (0.104-0.122)	0.125 (0.115-0.135)	0.135 (0.123-0.145)
7-day	0.030 (0.028-0.032)	0.036 (0.034-0.039)	0.044 (0.041-0.047)	0.049 (0.046-0.053)	0.057 (0.053-0.060)	0.062 (0.058-0.066)	0.068 (0.063-0.072)	0.073 (0.068-0.078)	0.081 (0.074-0.086)	0.086 (0.079-0.092)
10-day	0.024 (0.023-0.026)	0.029 (0.027-0.030)	0.034 (0.032-0.036)	0.038 (0.036-0.041)	0.044 (0.041-0.047)	0.048 (0.045-0.051)	0.053 (0.049-0.056)	0.057 (0.053-0.060)	0.062 (0.058-0.066)	0.066 (0.061-0.071)
20-day	0.016 (0.015-0.017)	0.019 (0.018-0.021)	0.023 (0.021-0.024)	0.025 (0.024-0.027)	0.028 (0.026-0.030)	0.030 (0.028-0.032)	0.032 (0.030-0.034)	0.034 (0.032-0.036)	0.037 (0.034-0.039)	0.038 (0.036-0.041)
30-day	0.013 (0.013-0.014)	0.016 (0.015-0.017)	0.018 (0.017-0.019)	0.020 (0.019-0.021)	0.022 (0.021-0.023)	0.024 (0.022-0.025)	0.025 (0.024-0.026)	0.026 (0.025-0.028)	0.028 (0.026-0.029)	0.029 (0.027-0.031)
45-day	0.011 (0.011-0.012)	0.013 (0.012-0.014)	0.015 (0.014-0.016)	0.016 (0.015-0.017)	0.018 (0.017-0.019)	0.019 (0.018-0.020)	0.020 (0.019-0.021)	0.021 (0.020-0.022)	0.022 (0.021-0.024)	0.023 (0.022-0.024)
60-day	0.010 (0.009-0.010)	0.012 (0.011-0.012)	0.013 (0.013-0.014)	0.014 (0.014-0.015)	0.016 (0.015-0.017)	0.017 (0.016-0.018)	0.018 (0.017-0.019)	0.019 (0.017-0.020)	0.019 (0.018-0.021)	0.020 (0.019-0.021)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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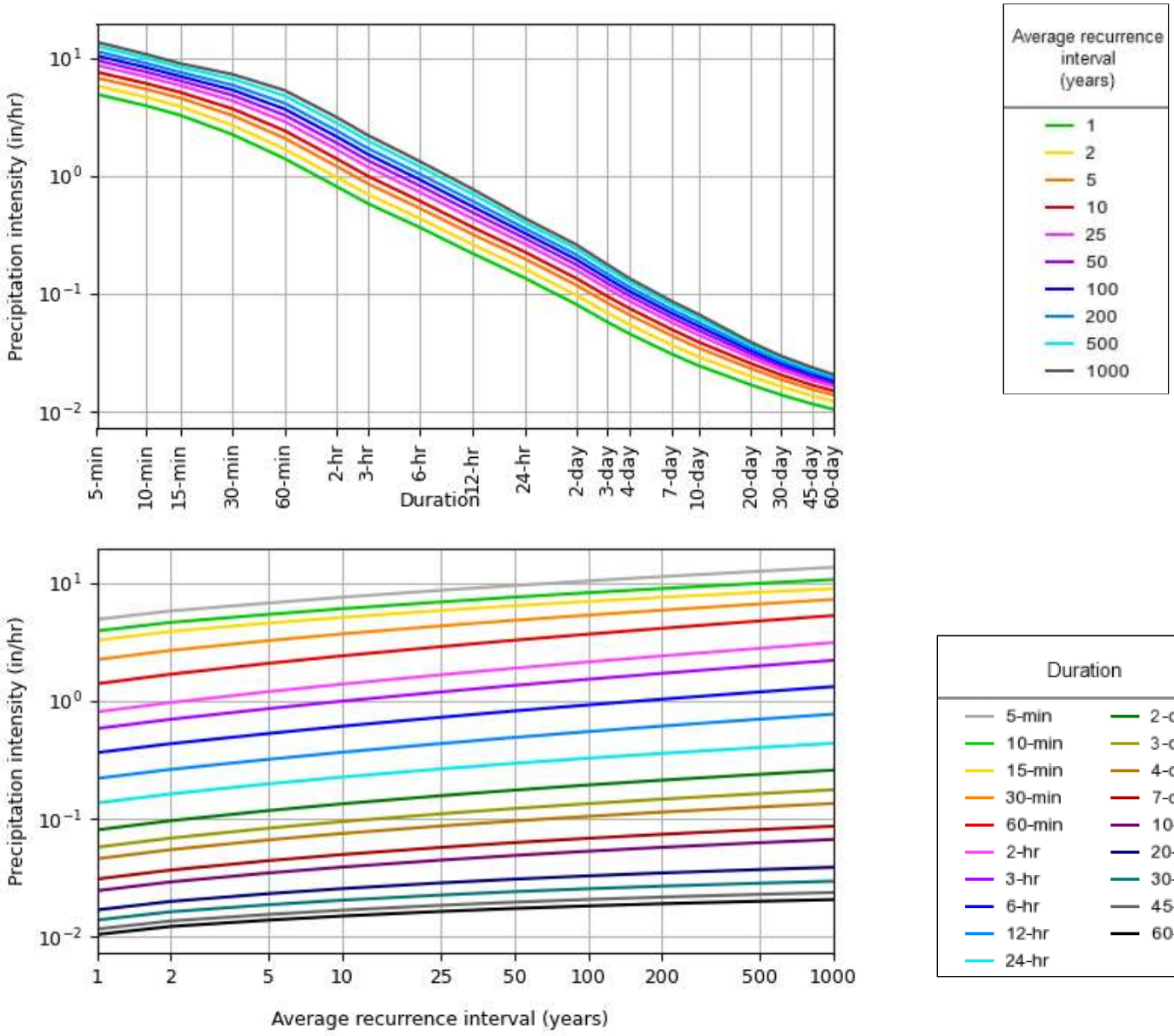
PF graphical

PDS-based intensity-duration-frequency (IDF) curves
Latitude: 35.5406°, Longitude: -87.2141°



NOAA Atlas 14, Volume 2, Version 3

Created (GMT): Mon Feb 23 20:29:12 2026

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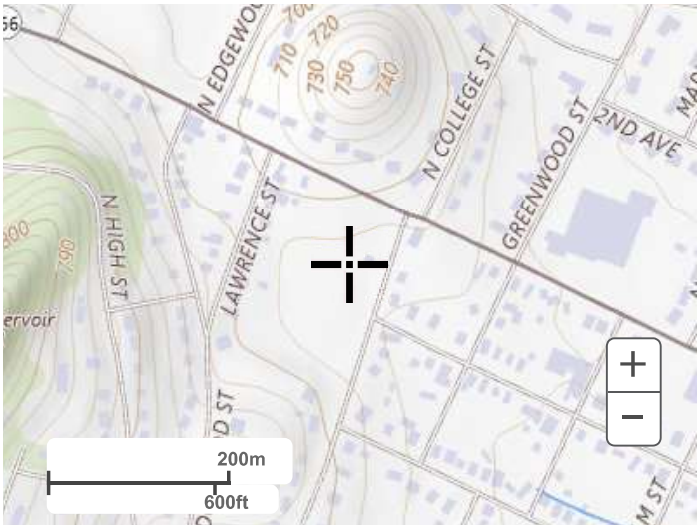
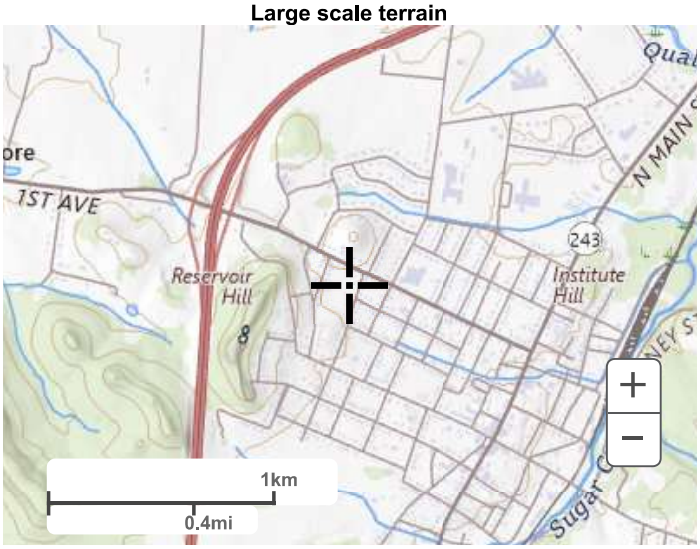
Maps & aerials

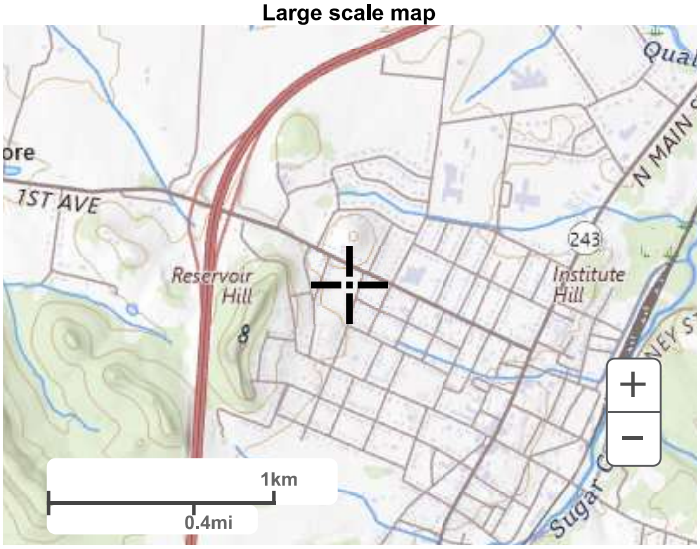
Small scale terrain



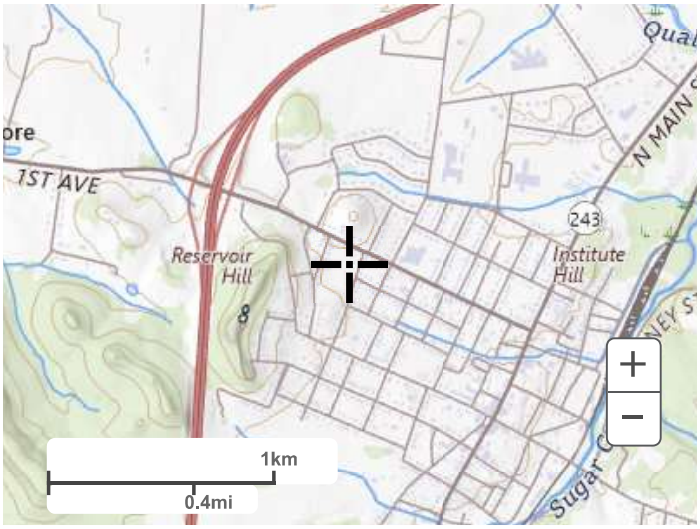
Large scale terrain



Large scale map



Large scale aerial



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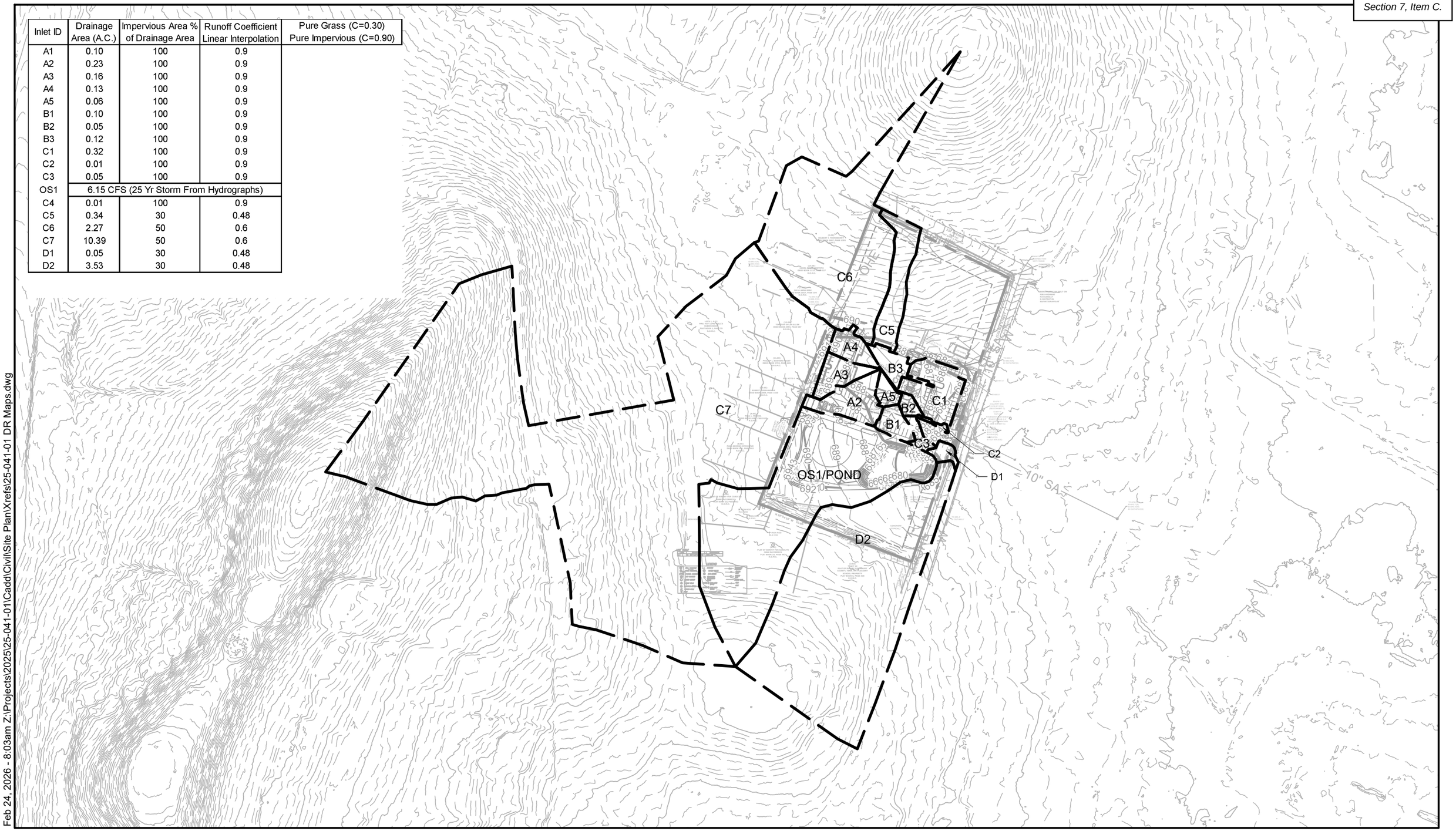
US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

INLET MAPS

Inlet ID	Drainage Area (A.C.)	Impervious Area % of Drainage Area	Runoff Coefficient Linear Interpolation	Pure Grass (C=0.30) Pure Impervious (C=0.90)
A1	0.10	100	0.9	
A2	0.23	100	0.9	
A3	0.16	100	0.9	
A4	0.13	100	0.9	
A5	0.06	100	0.9	
B1	0.10	100	0.9	
B2	0.05	100	0.9	
B3	0.12	100	0.9	
C1	0.32	100	0.9	
C2	0.01	100	0.9	
C3	0.05	100	0.9	
OS1	6.15 CFS (25 Yr Storm From Hydrographs)			
C4	0.01	100	0.9	
C5	0.34	30	0.48	
C6	2.27	50	0.6	
C7	10.39	50	0.6	
D1	0.05	30	0.48	
D2	3.53	30	0.48	



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HERITAGE CIVIL

Mt. Pleasant Library

INLET MAPS

D: 02-26-2026

N

0 200 400

SCALE: 1"=200'

WATER QUALITY CALCULATIONS

WATER QUALITY CALCULATIONS

Dry Pond 1

Project: Mt. Pleasant Library
Heritage Civil Project #25-041-01

Total Drainage Area:	3.67	Acres
Impervious Drainage Area:	0.84	Acres

Water Quality Storage Volume Orifice

ELEV	AREA (SQ FT)	VOLUME (CU FT)		INTERPOLATION	
679	0	0	0	681	5,800
680	2,700	1,350	1,350	x	7,623
681	6,200	4,450	5,800	682	12,550
682	7,300	6,750	12,550		
683	8,400	7,850	20,400	x=	681.3
684	9,600	9,000	29,400		
685	10,800	10,200	39,600		
686	12,000	11,400	51,000		

Water Quality Volume

Runoff	2.5" X	0.84	=	7,623	CU FT
Water Quality Elevation :			681.3	FT	
7,623	CU FT IN 72 HRS		=	0.03	CFS
Average Head :		1.14	FT		
Area of Opening :		0.01	SF		
Diameter of Opening:		0.09	FT		

Diameter of Opening = 1.1 Inches

USE= 1.1 Inches

HYDRAULIC / HYDROLOGIC CALCULATIONS

Hydrograph Return Period Recap

Hyd. No.	Hydrograph type (origin)	Inflow hyd(s)	Peak Outflow (cfs)								Hydrograph Description
			1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr	
1	SCS Runoff	------	-------	61.75	-------	85.04	104.16	130.41	151.71	173.37	Pre Basin 1
3	SCS Runoff	------	-------	51.79	-------	71.33	87.36	109.38	127.25	145.42	Post Basin 1 - Bypass
4	SCS Runoff	------	-------	14.00	-------	18.47	22.07	26.95	30.87	34.83	Post Basin 1 - To Pond
5	Reservoir	4	-------	1.619	-------	2.986	4.315	6.146	7.619	9.540	Pond Routed
6	Combine	3, 5	-------	52.90	-------	73.71	90.99	114.79	134.15	153.60	Post Basin 1 Combined

Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2025

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	SCS Runoff	61.75	2	720	160,401	------	------	------	Pre Basin 1
3	SCS Runoff	51.79	2	720	134,537	------	------	------	Post Basin 1 - Bypass
4	SCS Runoff	14.00	2	716	28,516	------	------	------	Post Basin 1 - To Pond
5	Reservoir	1.619	2	738	28,507	4	682.13	13,182	Pond Routed
6	Combine	52.90	2	720	163,043	3, 5	------	------	Post Basin 1 Combined

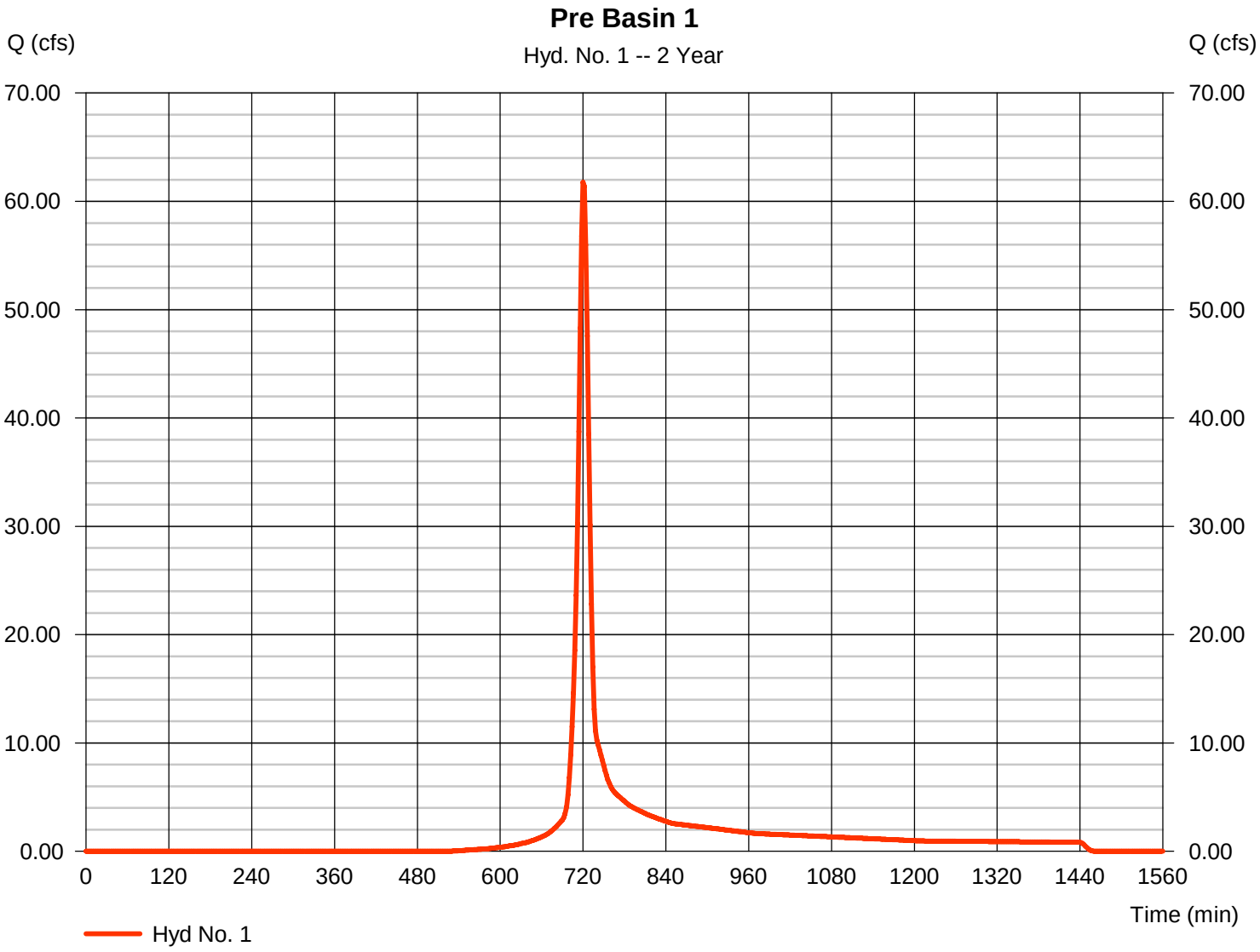
Hydrograph Report

Hyd. No. 1

Pre Basin 1

Hydrograph type	= SCS Runoff	Peak discharge	= 61.75 cfs
Storm frequency	= 2 yrs	Time to peak	= 720 min
Time interval	= 2 min	Hyd. volume	= 160,401 cuft
Drainage area	= 22.760 ac	Curve number	= 79*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 12.80 min
Total precip.	= 3.90 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (11.080 x 79) + (3.760 x 84) + (3.070 x 98)] / 22.760



TR55 Tc Worksheet

Hyd. No. 1

Pre Basin 1

Description	A		B		C		Totals
Sheet Flow							
Manning's n-value	= 0.410		0.011		0.011		
Flow length (ft)	= 100.0		0.0		0.0		
Two-year 24-hr precip. (in)	= 3.90		0.00		0.00		
Land slope (%)	= 19.33		0.00		0.00		
Travel Time (min)	**= 8.01**	**+**	**0.00**	**+**	**0.00**	**=**	**8.01**
Shallow Concentrated Flow							
Flow length (ft)	= 306.00		1008.00		50.00		
Watercourse slope (%)	= 9.48		7.14		19.33		
Surface description	= Unpaved		Paved		Unpaved		
Average velocity (ft/s)	=4.97		5.43		7.09		
Travel Time (min)	**= 1.03**	**+**	**3.09**	**+**	**0.12**	**=**	**4.24**
Channel Flow							
X sectional flow area (sqft)	= 6.00		0.00		0.00		
Wetted perimeter (ft)	= 9.00		0.00		0.00		
Channel slope (%)	= 3.33		0.00		0.00		
Manning's n-value	= 0.015		0.015		0.015		
Velocity (ft/s)	=13.81						
			0.00				
					0.00		
Flow length (ft)	({0})450.0		0.0		0.0		
Travel Time (min)	**= 0.54**	**+**	**0.00**	**+**	**0.00**	**=**	**0.54**

Total Travel Time, Tc ..... 12.80 min

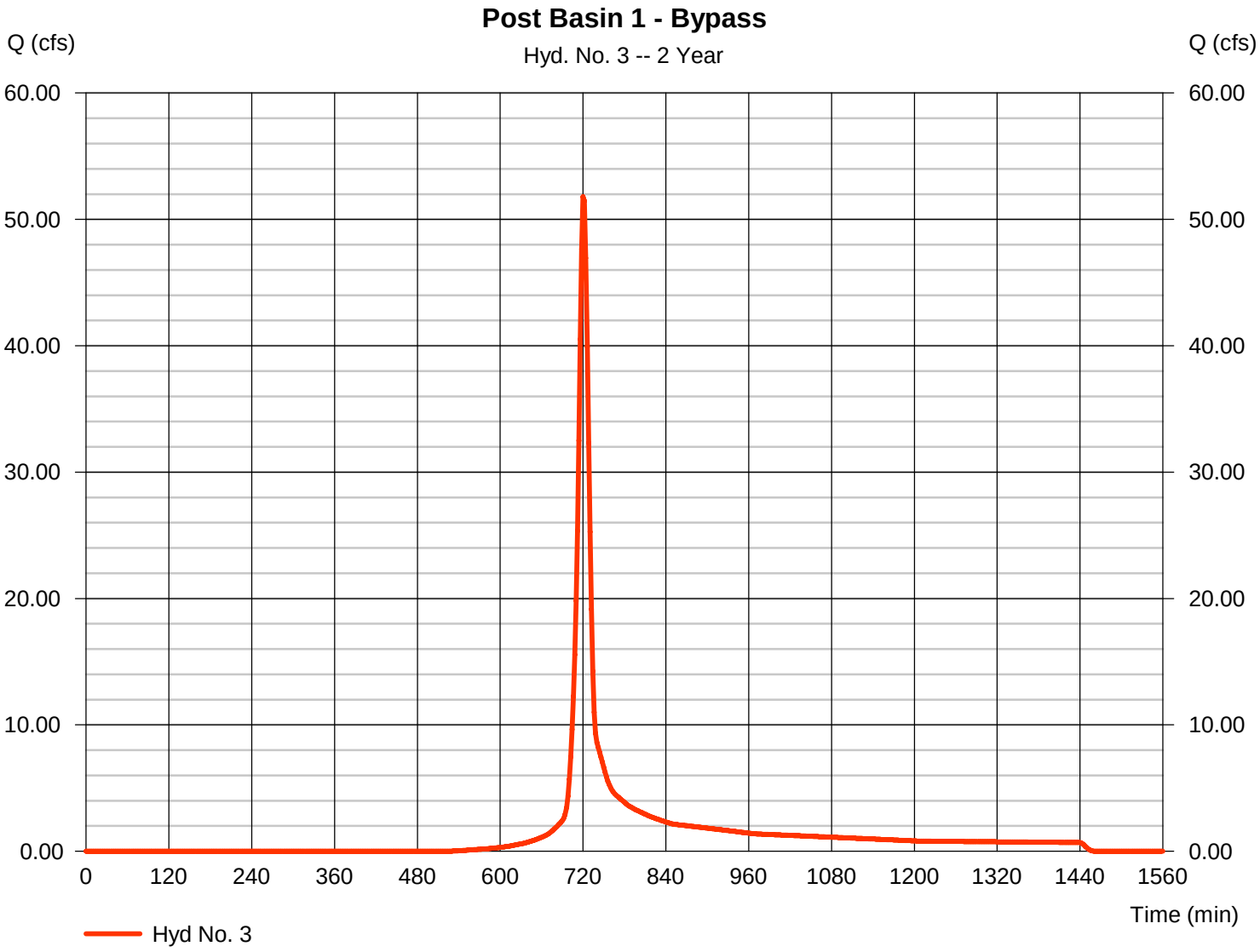
Hydrograph Report

Hyd. No. 3

Post Basin 1 - Bypass

Hydrograph type	=	SCS Runoff	Peak discharge	=	51.79 cfs
Storm frequency	=	2 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	134,537 cuft
Drainage area	=	19.090 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	3.90 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (8.810 x 79) + (1.940 x 84) + (3.490 x 98)] / 19.090



TR55 Tc Worksheet

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2025

Hyd. No. 3

Post Basin 1 - Bypass

Description	A		B		C		Totals
Sheet Flow							
Manning's n-value	= 0.410		0.011		0.011		
Flow length (ft)	= 100.0		0.0		0.0		
Two-year 24-hr precip. (in)	= 3.90		0.00		0.00		
Land slope (%)	= 19.33		0.00		0.00		
Travel Time (min)	**= 8.01**	**+**	**0.00**	**+**	**0.00**	**=**	**8.01**
Shallow Concentrated Flow							
Flow length (ft)	= 306.00		1008.00		50.00		
Watercourse slope (%)	= 9.48		7.14		19.33		
Surface description	= Unpaved		Paved		Unpaved		
Average velocity (ft/s)	=4.97		5.43		7.09		
Travel Time (min)	**= 1.03**	**+**	**3.09**	**+**	**0.12**	**=**	**4.24**
Channel Flow							
X sectional flow area (sqft)	= 6.00		0.00		0.00		
Wetted perimeter (ft)	= 9.00		0.00		0.00		
Channel slope (%)	= 3.33		0.00		0.00		
Manning's n-value	= 0.015		0.015		0.015		
Velocity (ft/s)	=13.81						
			0.00				
					0.00		
Flow length (ft)	({0})450.0		0.0		0.0		
Travel Time (min)	**= 0.54**	**+**	**0.00**	**+**	**0.00**	**=**	**0.54**

Total Travel Time, Tc ..... 12.80 min

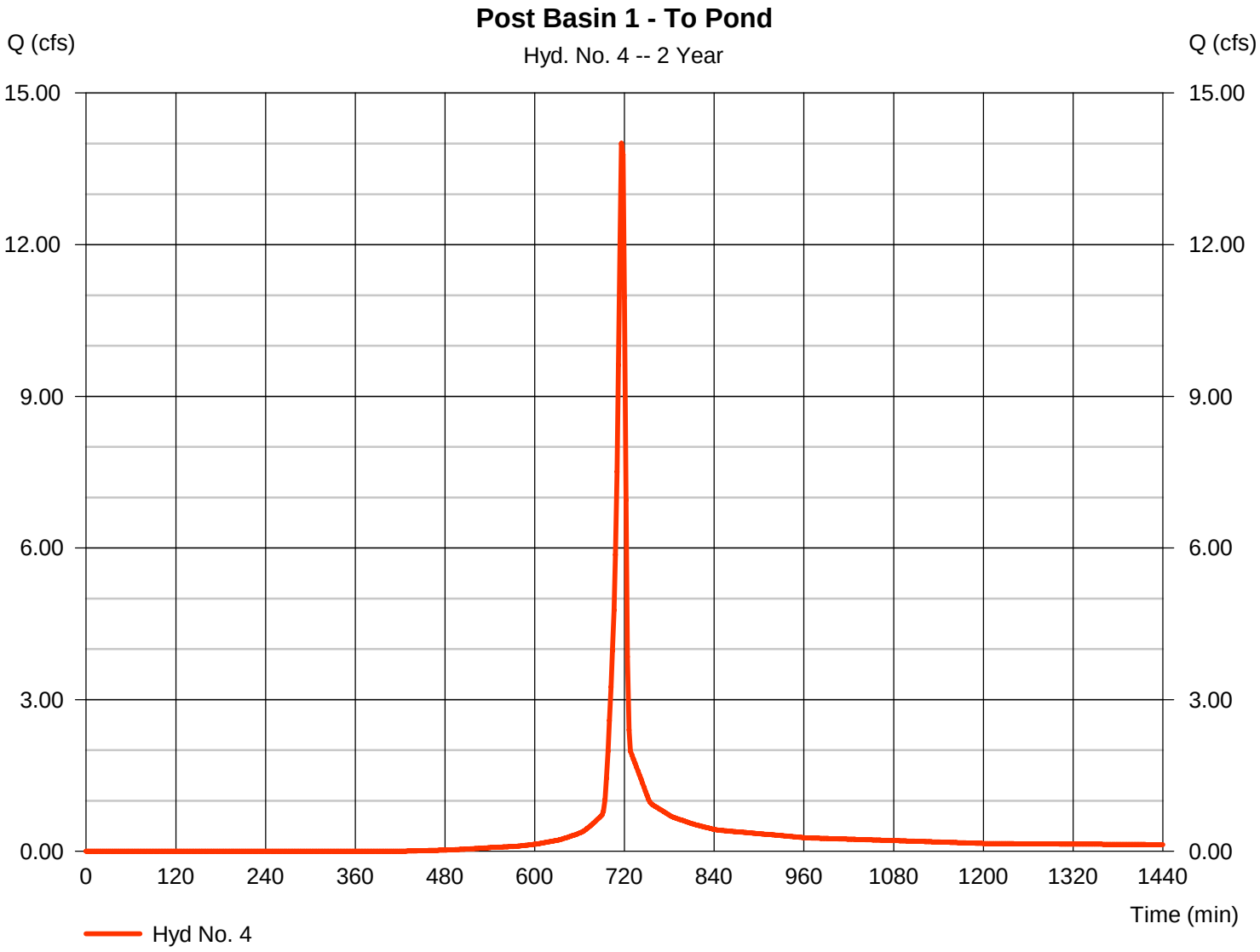
Hydrograph Report

Hyd. No. 4

Post Basin 1 - To Pond

Hydrograph type	= SCS Runoff	Peak discharge	= 14.00 cfs
Storm frequency	= 2 yrs	Time to peak	= 716 min
Time interval	= 2 min	Hyd. volume	= 28,516 cuft
Drainage area	= 3.670 ac	Curve number	= 84*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 3.90 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = + (2.130 x 79) + (0.700 x 84) + (0.840 x 98)] / 3.670



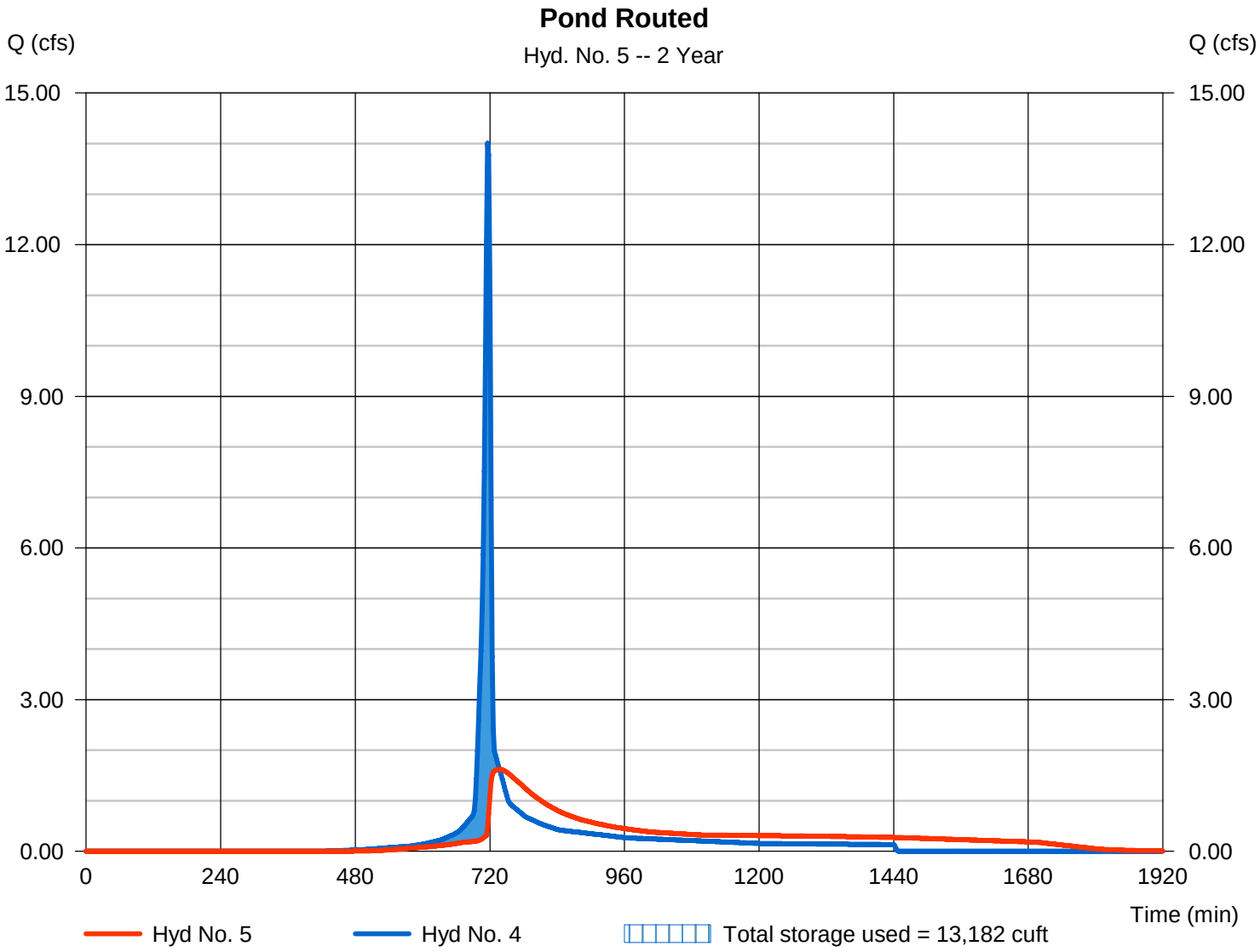
Hydrograph Report

Hyd. No. 5

Pond Routed

Hydrograph type	=	Reservoir	Peak discharge	=	1.619 cfs
Storm frequency	=	2 yrs	Time to peak	=	738 min
Time interval	=	2 min	Hyd. volume	=	28,507 cuft
Inflow hyd. No.	=	4 - Post Basin 1 - To Pond	Max. Elevation	=	682.13 ft
Reservoir name	=	Pond 1	Max. Storage	=	13,182 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - Pond 1

Pond Data

Contours -User-defined contour areas. Average end area method used for volume calculation. Begining Elevation = 679.30 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	679.30	00	0	0
0.70	680.00	2,700	945	945
1.70	681.00	6,200	4,450	5,395
2.70	682.00	7,300	6,750	12,145
3.70	683.00	8,400	7,850	19,995
4.70	684.00	9,600	9,000	28,995
5.70	685.00	10,800	10,200	39,195
6.70	686.00	12,000	11,400	50,595

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 15.00	3.00	0.00	0.00
Span (in)	= 15.00	3.00	0.00	0.00
No. Barrels	= 1	1	0	0
Invert El. (ft)	= 679.20	679.30	0.00	0.00
Length (ft)	= 38.00	0.00	0.00	0.00
Slope (%)	= 0.50	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 15.50	0.50	0.00	50.00
Crest El. (ft)	= 684.30	681.30	0.00	685.50
Weir Coeff.	= 3.33	3.33	3.33	2.60
Weir Type	= 1	Rect	---	Broad
Multi-Stage	= Yes	Yes	No	No

Exfil.(in/hr) = 0.000 (by Contour)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).

Stage / Storage / Discharge Table

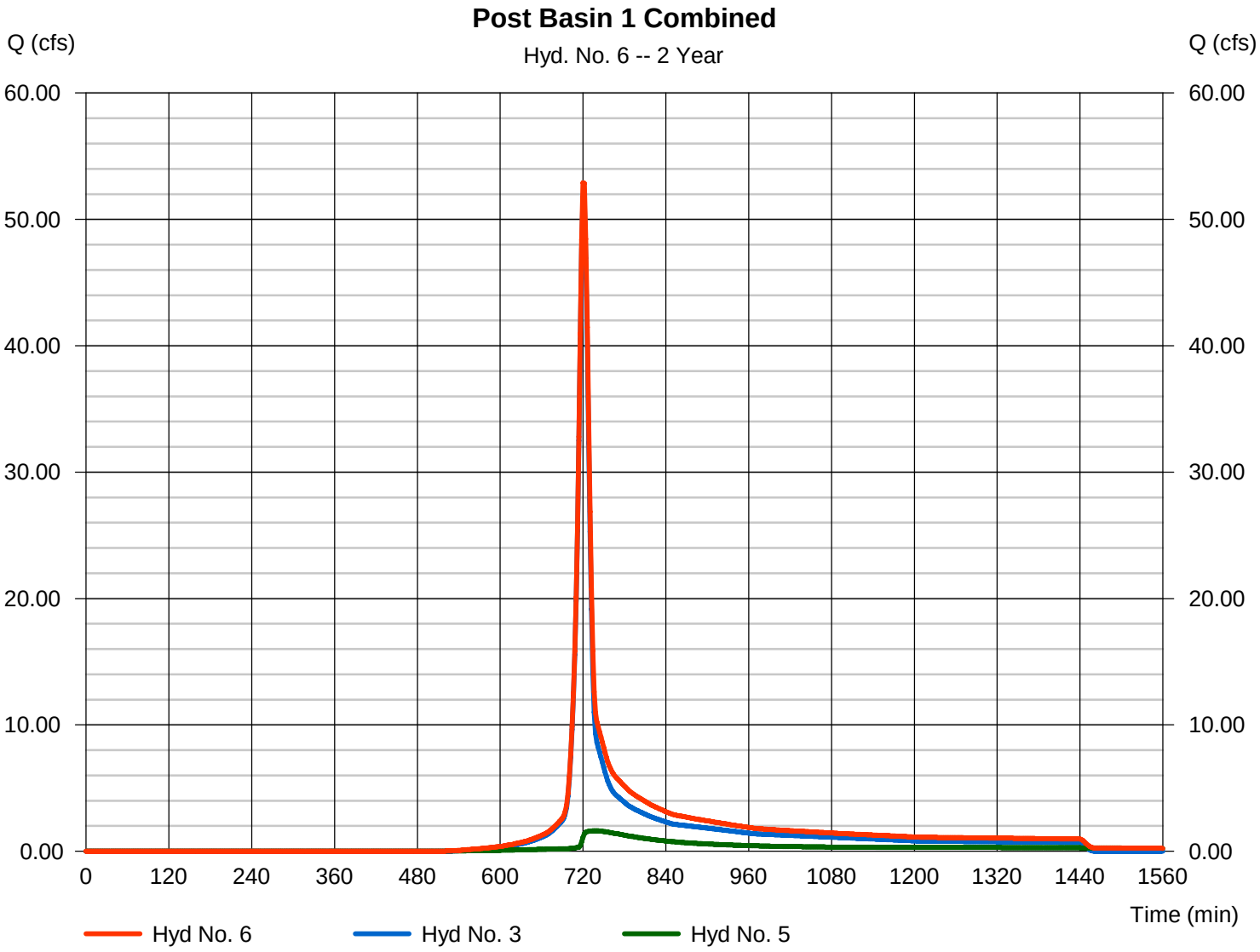
Stage ft	Storage cuft	Elevation ft	Clv A cfs	Clv B cfs	Clv C cfs	PrfRsr cfs	Wr A cfs	Wr B cfs	Wr C cfs	Wr D cfs	Exfil cfs	User cfs	Total cfs
0.00	0	679.30	0.00	0.00	---	---	0.00	0.00	---	0.00	---	---	0.000
0.70	945	680.00	0.18 ic	0.18 ic	---	---	0.00	0.00	---	0.00	---	---	0.179
1.70	5,395	681.00	0.29 ic	0.29 ic	---	---	0.00	0.00	---	0.00	---	---	0.295
2.70	12,145	682.00	1.33 oc	0.35 ic	---	---	0.00	0.98	---	0.00	---	---	1.326
3.70	19,995	683.00	4.05 oc	0.36 ic	---	---	0.00	3.69	---	0.00	---	---	4.052
4.70	28,995	684.00	7.60 oc	0.36 ic	---	---	0.00	7.24 s	---	0.00	---	---	7.598
5.70	39,195	685.00	13.40 ic	0.04 ic	---	---	11.05 s	2.29 s	---	0.00	---	---	13.39
6.70	50,595	686.00	14.68 ic	0.02 ic	---	---	13.25 s	1.33 s	---	45.96	---	---	60.55

Hydrograph Report

Hyd. No. 6

Post Basin 1 Combined

Hydrograph type	= Combine	Peak discharge	= 52.90 cfs
Storm frequency	= 2 yrs	Time to peak	= 720 min
Time interval	= 2 min	Hyd. volume	= 163,043 cuft
Inflow hyds.	= 3, 5	Contrib. drain. area	= 19.090 ac



Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2025

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	SCS Runoff	85.04	2	720	220,473	------	------	------	Pre Basin 1
3	SCS Runoff	71.33	2	720	184,923	------	------	------	Post Basin 1 - Bypass
4	SCS Runoff	18.47	2	716	38,000	------	------	------	Post Basin 1 - To Pond
5	Reservoir	2.986	2	726	37,991	4	682.66	17,308	Pond Routed
6	Combine	73.71	2	720	222,913	3, 5	------	------	Post Basin 1 Combined

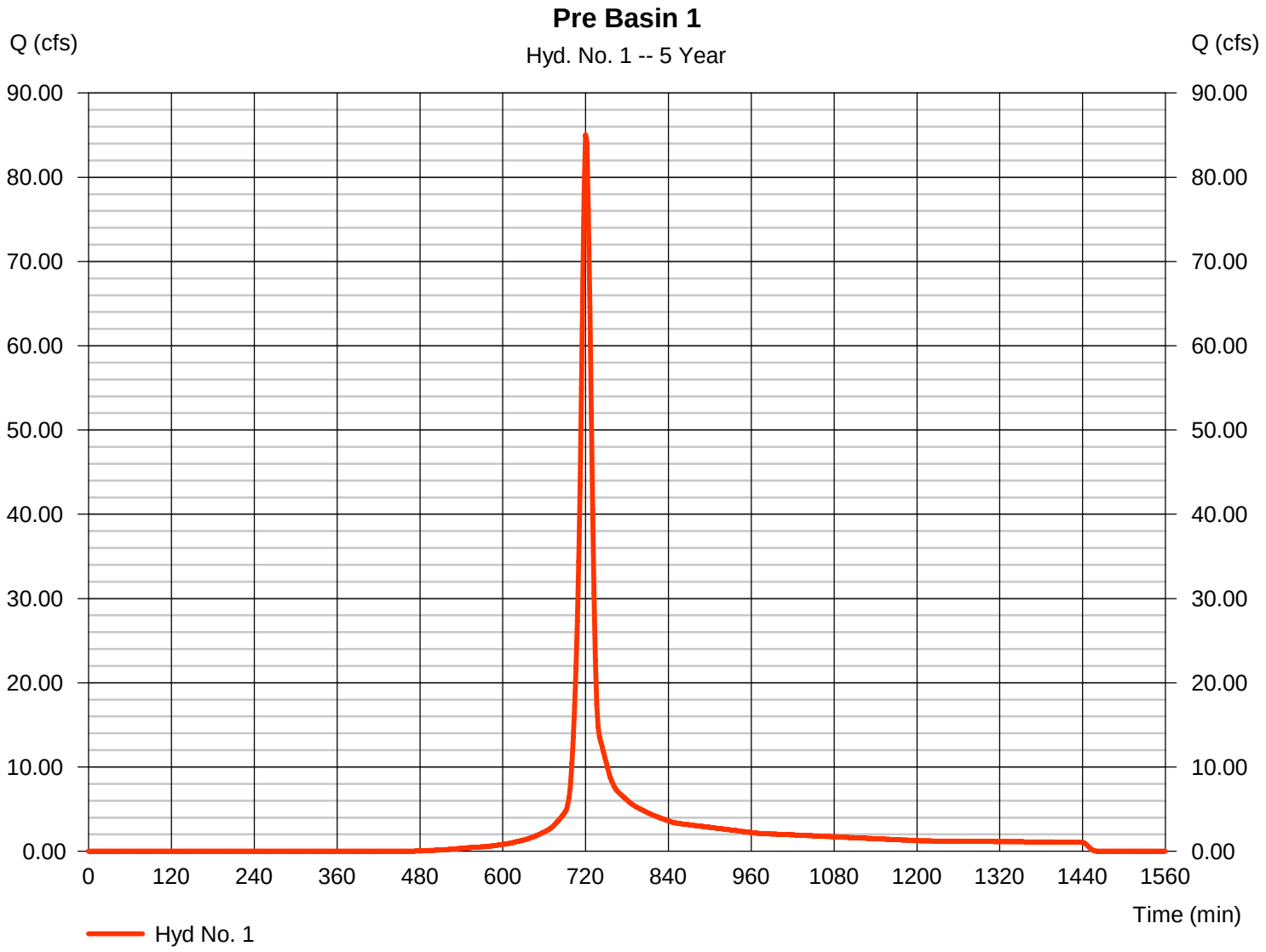
Hydrograph Report

Hyd. No. 1

Pre Basin 1

Hydrograph type	= SCS Runoff	Peak discharge	= 85.04 cfs
Storm frequency	= 5 yrs	Time to peak	= 720 min
Time interval	= 2 min	Hyd. volume	= 220,473 cuft
Drainage area	= 22.760 ac	Curve number	= 79*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 12.80 min
Total precip.	= 4.75 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (11.080 x 79) + (3.760 x 84) + (3.070 x 98)] / 22.760



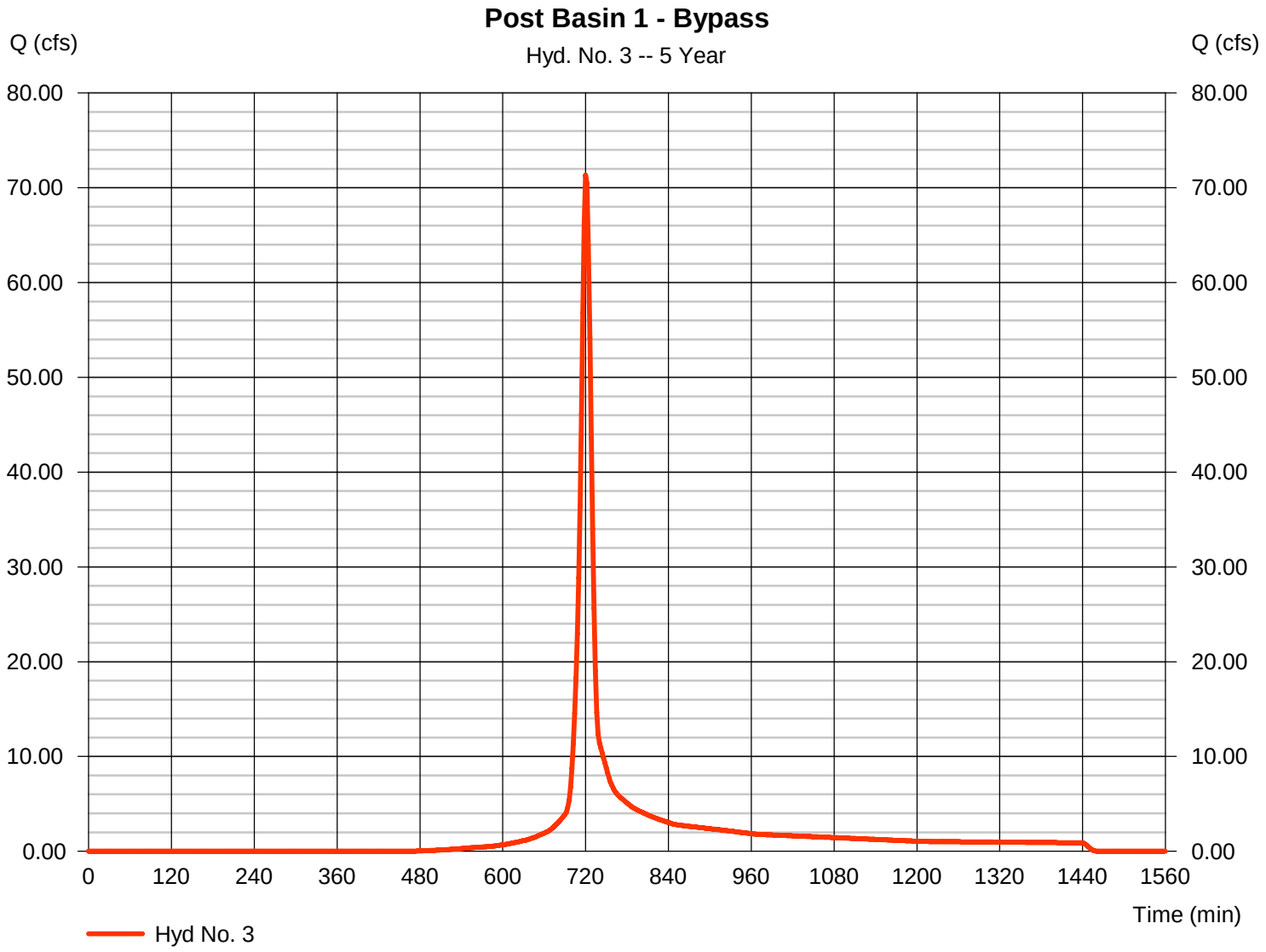
Hydrograph Report

Hyd. No. 3

Post Basin 1 - Bypass

Hydrograph type	=	SCS Runoff	Peak discharge	=	71.33 cfs
Storm frequency	=	5 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	184,923 cuft
Drainage area	=	19.090 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	4.75 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (8.810 x 79) + (1.940 x 84) + (3.490 x 98)] / 19.090



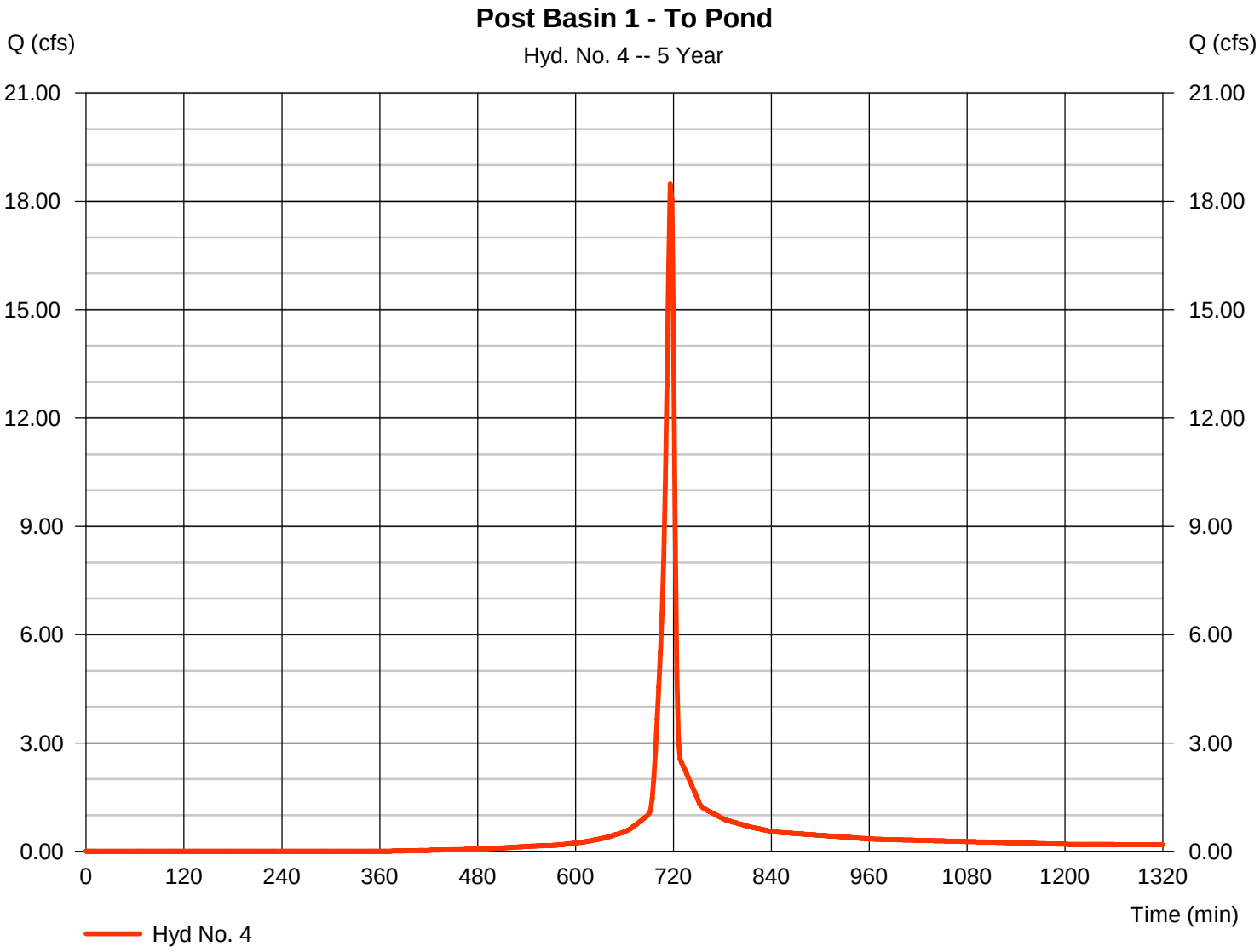
Hydrograph Report

Hyd. No. 4

Post Basin 1 - To Pond

Hydrograph type	= SCS Runoff	Peak discharge	= 18.47 cfs
Storm frequency	= 5 yrs	Time to peak	= 716 min
Time interval	= 2 min	Hyd. volume	= 38,000 cuft
Drainage area	= 3.670 ac	Curve number	= 84*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 4.75 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = + (2.130 x 79) + (0.700 x 84) + (0.840 x 98)] / 3.670



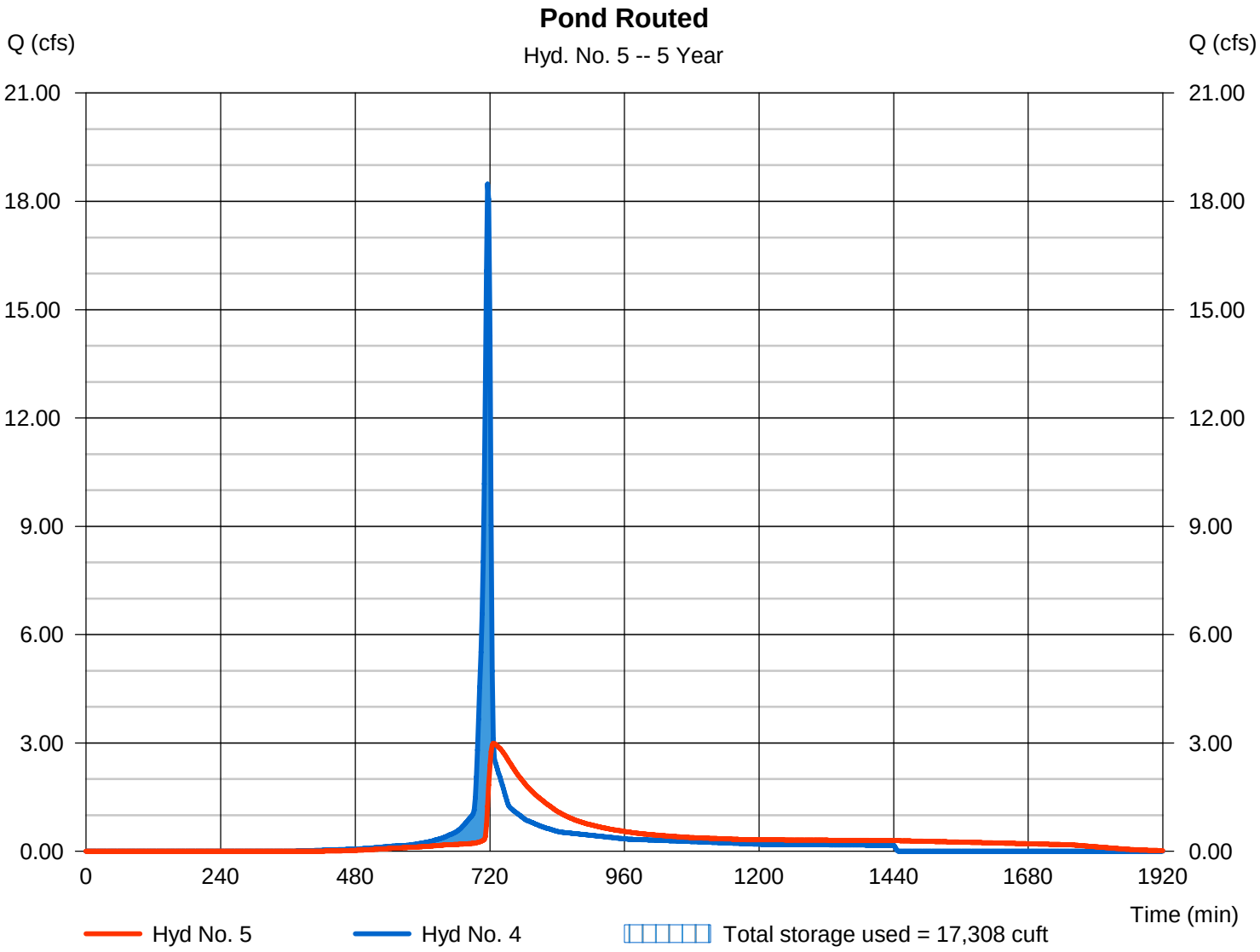
Hydrograph Report

Hyd. No. 5

Pond Routed

Hydrograph type	= Reservoir	Peak discharge	= 2.986 cfs
Storm frequency	= 5 yrs	Time to peak	= 726 min
Time interval	= 2 min	Hyd. volume	= 37,991 cuft
Inflow hyd. No.	= 4 - Post Basin 1 - To Pond	Max. Elevation	= 682.66 ft
Reservoir name	= Pond 1	Max. Storage	= 17,308 cuft

Storage Indication method used.

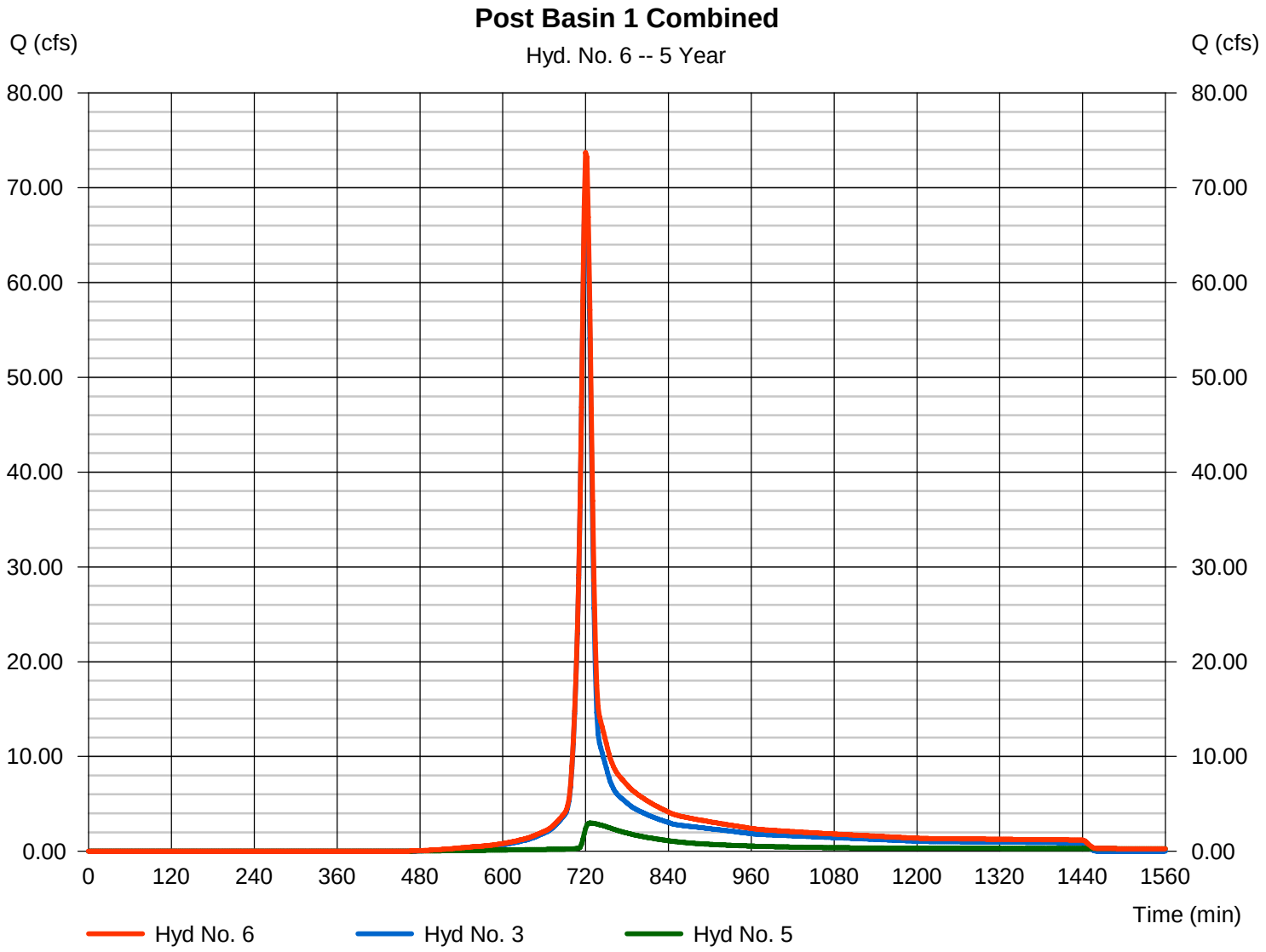


Hydrograph Report

Hyd. No. 6

Post Basin 1 Combined

Hydrograph type	= Combine	Peak discharge	= 73.71 cfs
Storm frequency	= 5 yrs	Time to peak	= 720 min
Time interval	= 2 min	Hyd. volume	= 222,913 cuft
Inflow hyds.	= 3, 5	Contrib. drain. area	= 19.090 ac



Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2025

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	SCS Runoff	104.16	2	720	270,531	------	------	------	Pre Basin 1
3	SCS Runoff	87.36	2	720	226,909	------	------	------	Post Basin 1 - Bypass
4	SCS Runoff	22.07	2	716	45,787	------	------	------	Post Basin 1 - To Pond
5	Reservoir	4.315	2	726	45,777	4	683.08	20,707	Pond Routed
6	Combine	90.99	2	720	272,686	3, 5	------	------	Post Basin 1 Combined

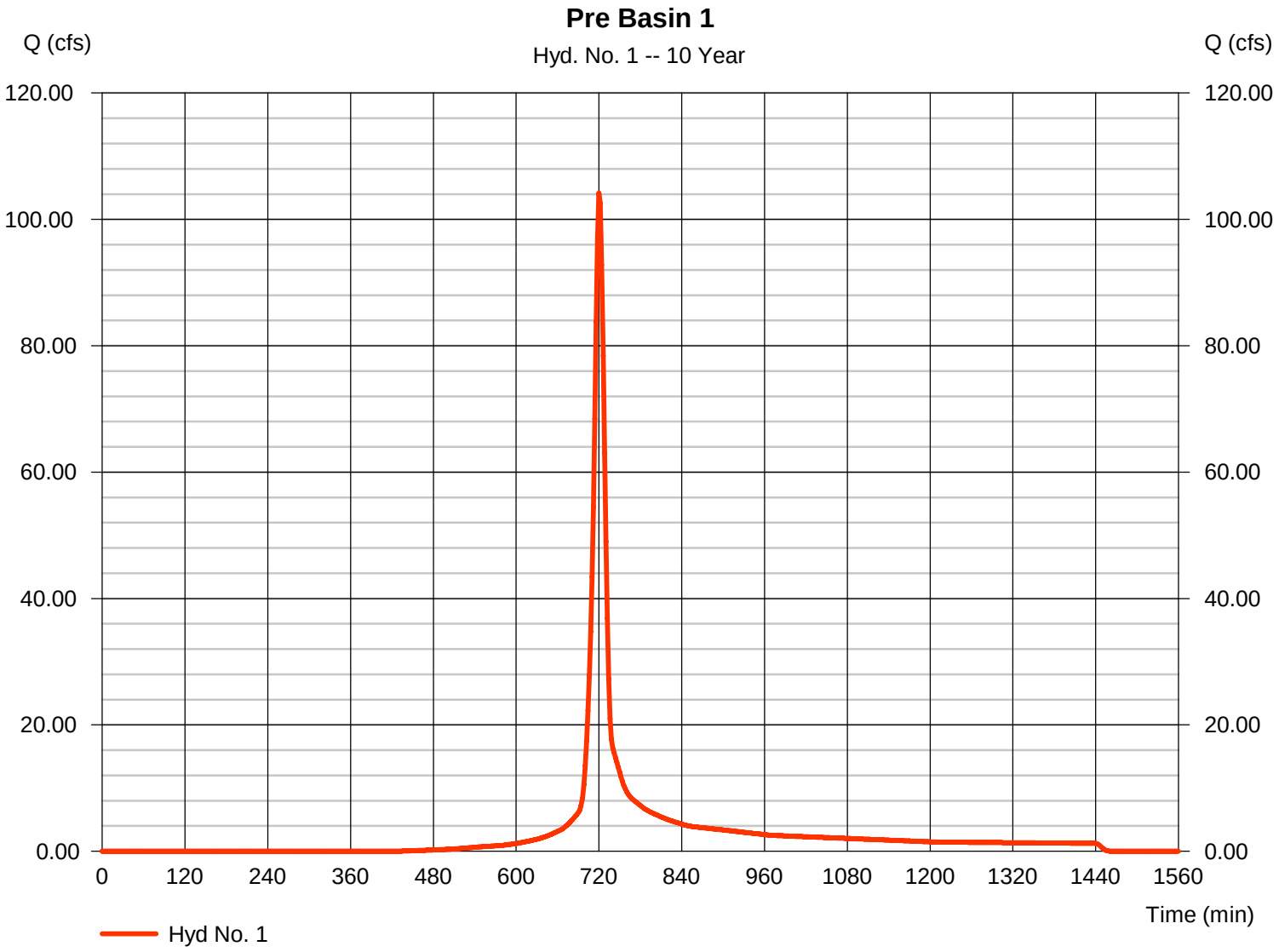
Hydrograph Report

Hyd. No. 1

Pre Basin 1

Hydrograph type	=	SCS Runoff	Peak discharge	=	104.16 cfs
Storm frequency	=	10 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	270,531 cuft
Drainage area	=	22.760 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	5.43 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (11.080 x 79) + (3.760 x 84) + (3.070 x 98)] / 22.760



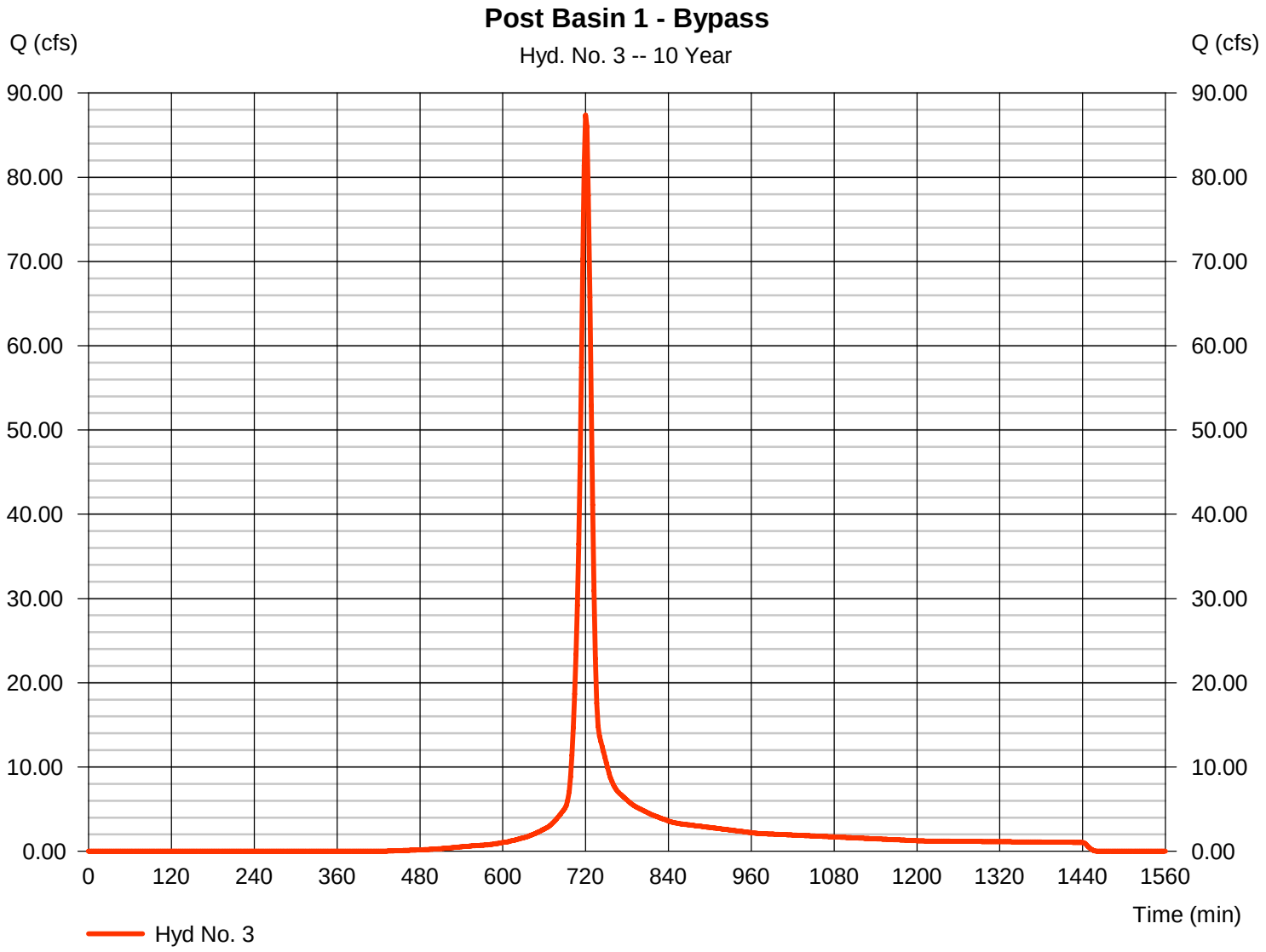
Hydrograph Report

Hyd. No. 3

Post Basin 1 - Bypass

Hydrograph type	=	SCS Runoff	Peak discharge	=	87.36 cfs
Storm frequency	=	10 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	226,909 cuft
Drainage area	=	19.090 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	5.43 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (8.810 x 79) + (1.940 x 84) + (3.490 x 98)] / 19.090



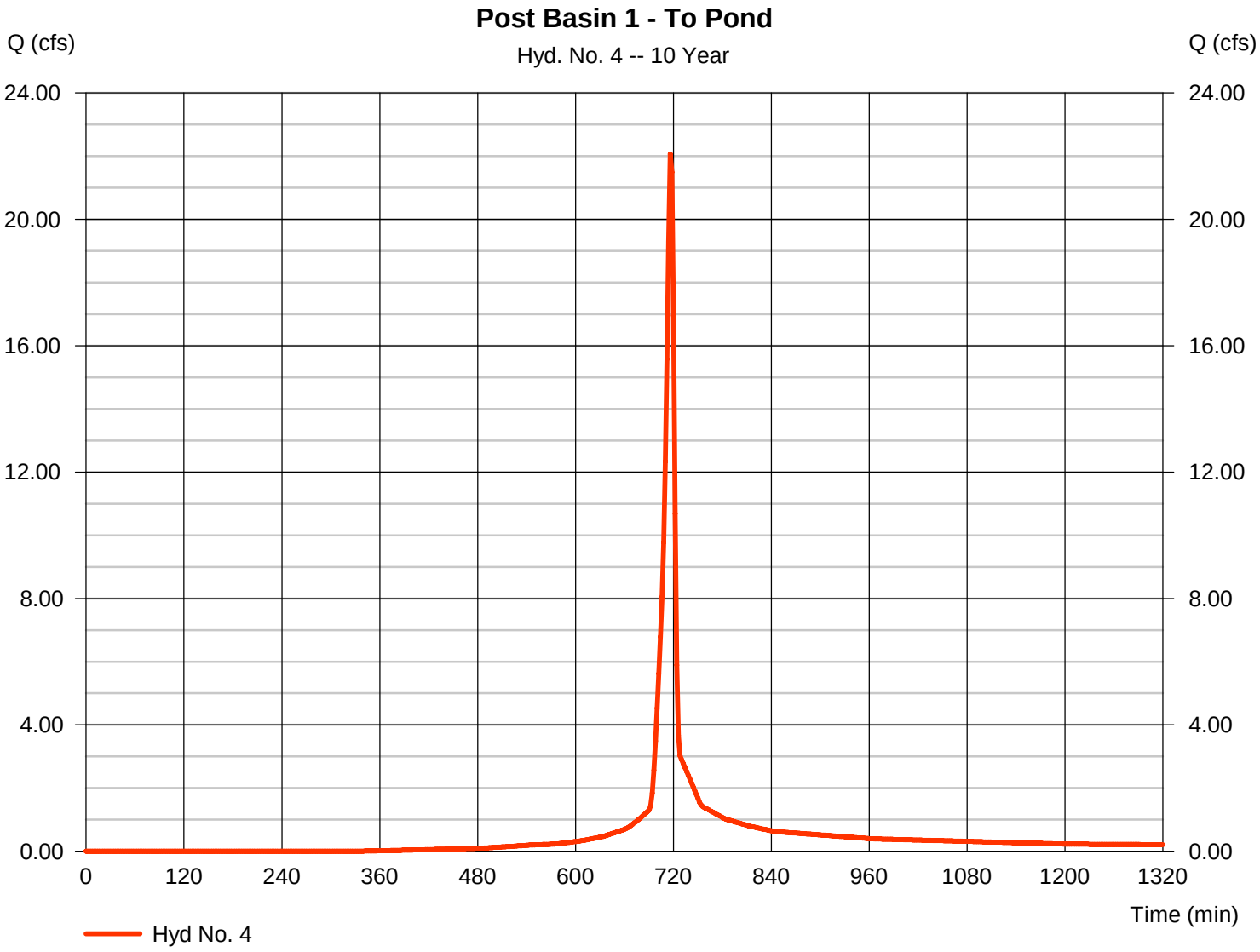
Hydrograph Report

Hyd. No. 4

Post Basin 1 - To Pond

Hydrograph type	= SCS Runoff	Peak discharge	= 22.07 cfs
Storm frequency	= 10 yrs	Time to peak	= 716 min
Time interval	= 2 min	Hyd. volume	= 45,787 cuft
Drainage area	= 3.670 ac	Curve number	= 84*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 5.43 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = + (2.130 x 79) + (0.700 x 84) + (0.840 x 98)] / 3.670



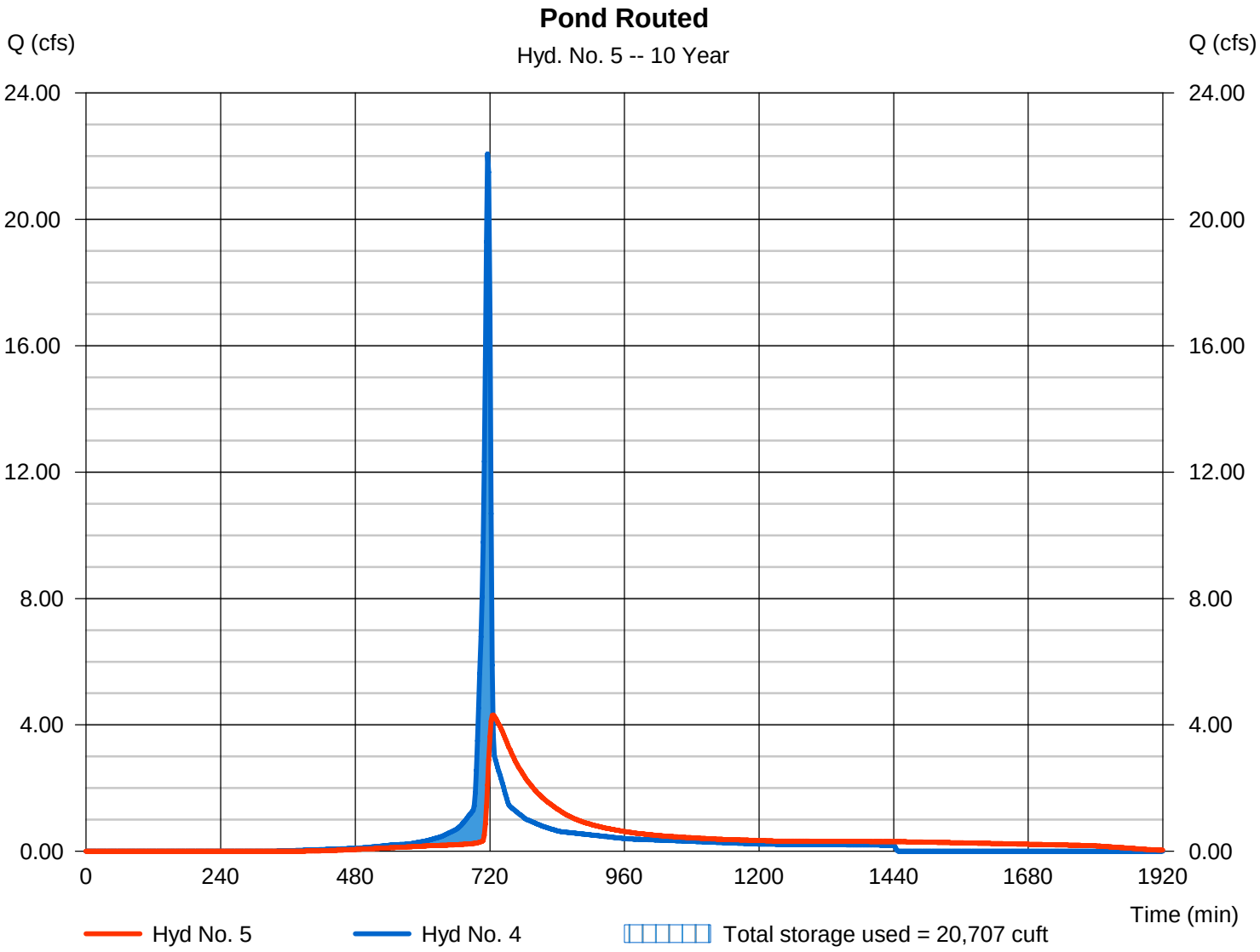
Hydrograph Report

Hyd. No. 5

Pond Routed

Hydrograph type	=	Reservoir	Peak discharge	=	4.315 cfs
Storm frequency	=	10 yrs	Time to peak	=	726 min
Time interval	=	2 min	Hyd. volume	=	45,777 cuft
Inflow hyd. No.	=	4 - Post Basin 1 - To Pond	Max. Elevation	=	683.08 ft
Reservoir name	=	Pond 1	Max. Storage	=	20,707 cuft

Storage Indication method used.

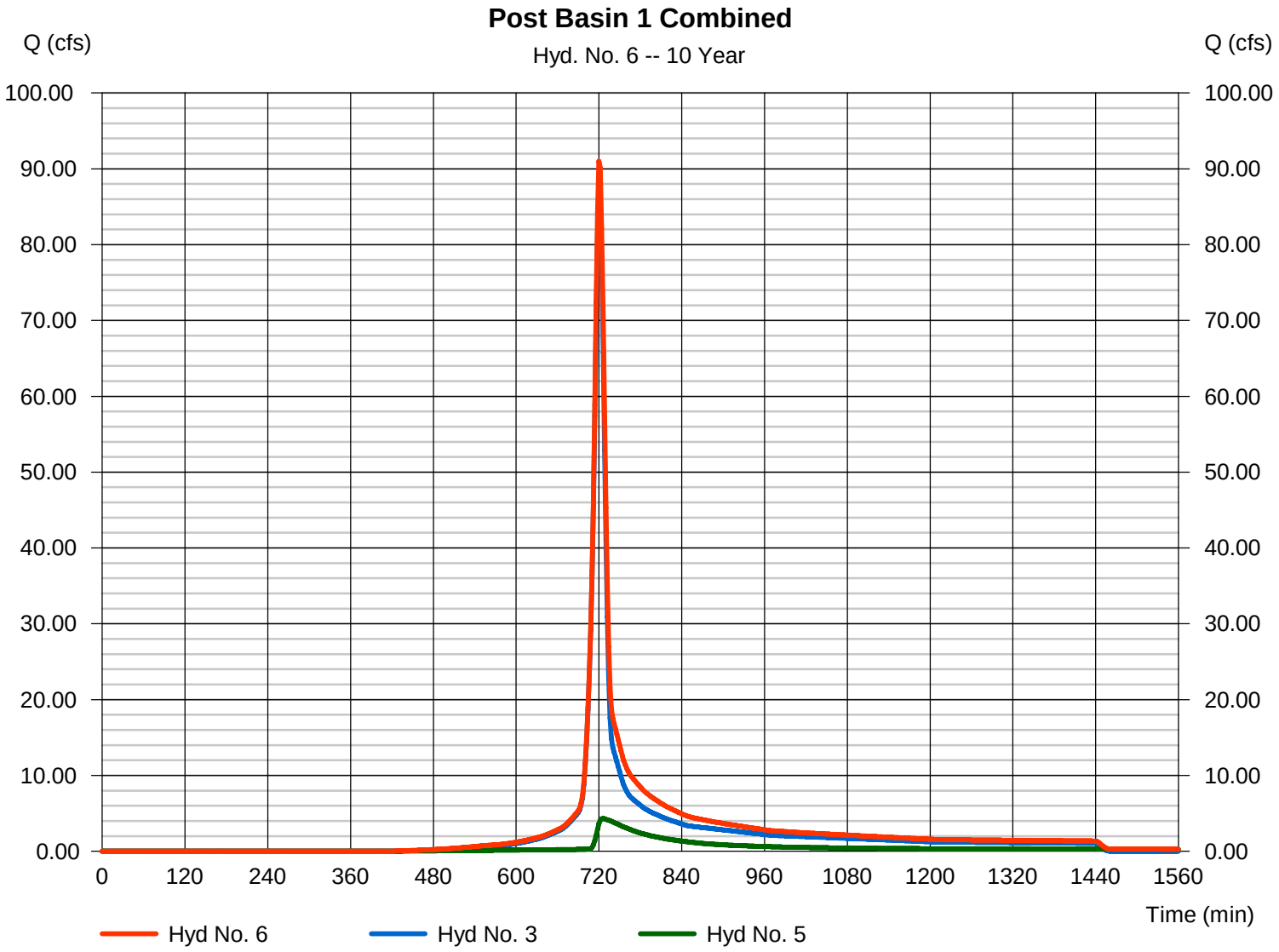


Hydrograph Report

Hyd. No. 6

Post Basin 1 Combined

Hydrograph type	=	Combine	Peak discharge	=	90.99 cfs
Storm frequency	=	10 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	272,686 cuft
Inflow hyds.	=	3, 5	Contrib. drain. area	=	19.090 ac



Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2025

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	SCS Runoff	130.41	2	720	340,269	------	------	------	Pre Basin 1
3	SCS Runoff	109.38	2	720	285,402	------	------	------	Post Basin 1 - Bypass
4	SCS Runoff	26.95	2	716	56,516	------	------	------	Post Basin 1 - To Pond
5	Reservoir	6.146	2	724	56,506	4	683.59	25,328	Pond Routed
6	Combine	114.79	2	720	341,908	3, 5	------	------	Post Basin 1 Combined

25 Yr Peak Flow used in Storm Calcs

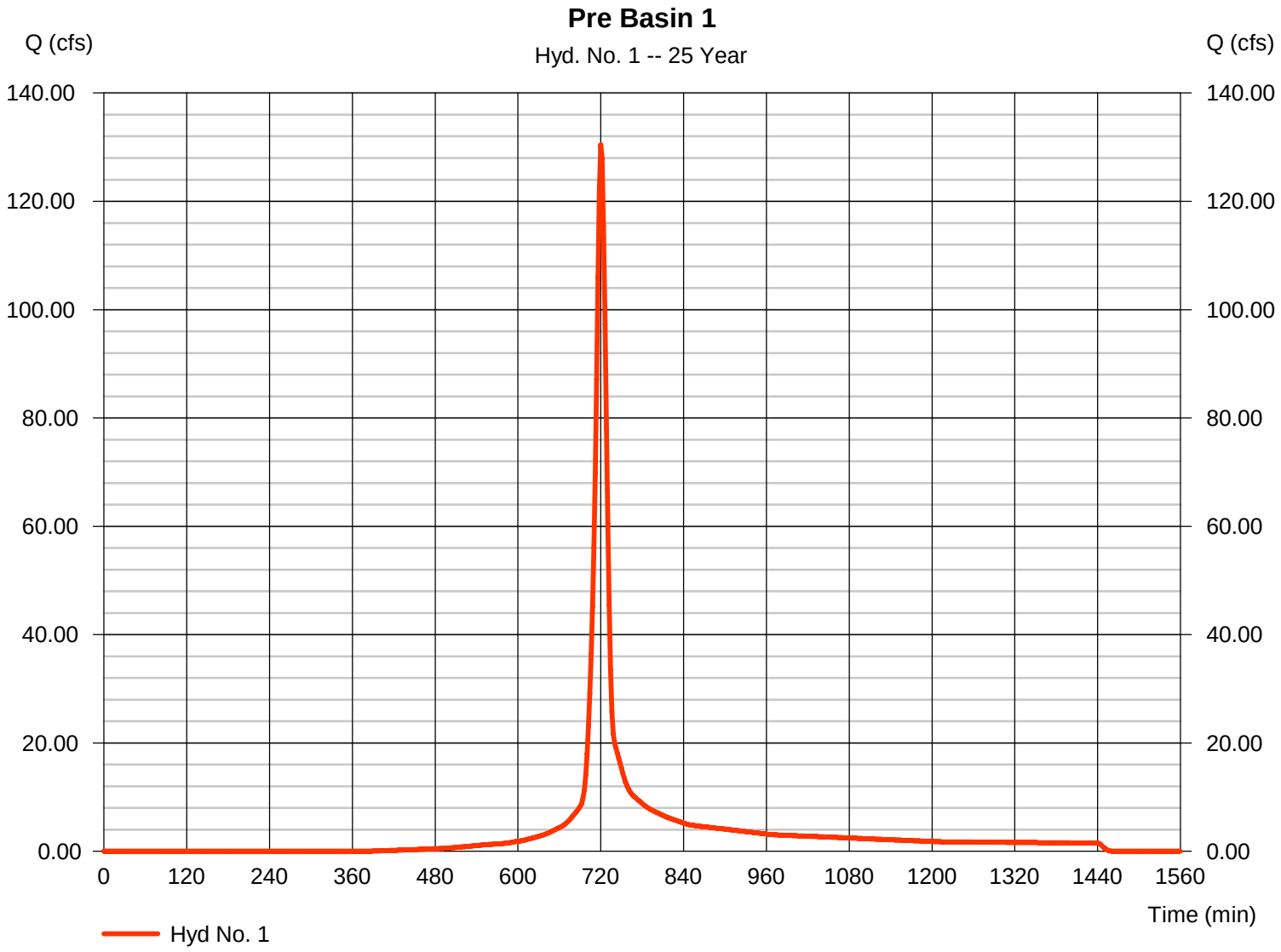
Hydrograph Report

Hyd. No. 1

Pre Basin 1

Hydrograph type	=	SCS Runoff	Peak discharge	=	130.41 cfs
Storm frequency	=	25 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	340,269 cuft
Drainage area	=	22.760 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	6.35 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (11.080 x 79) + (3.760 x 84) + (3.070 x 98)] / 22.760



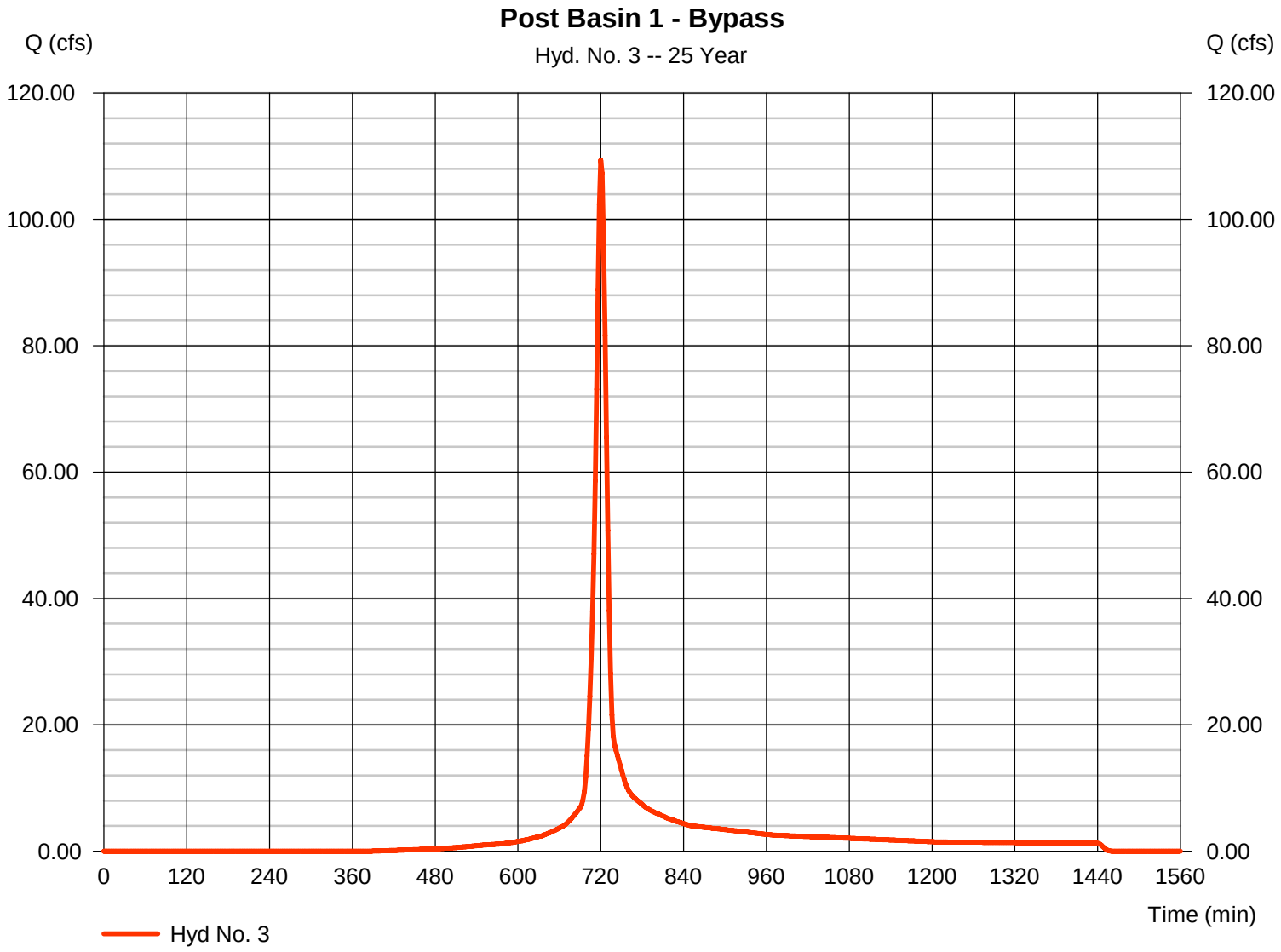
Hydrograph Report

Hyd. No. 3

Post Basin 1 - Bypass

Hydrograph type	=	SCS Runoff	Peak discharge	=	109.38 cfs
Storm frequency	=	25 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	285,402 cuft
Drainage area	=	19.090 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	6.35 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (8.810 x 79) + (1.940 x 84) + (3.490 x 98)] / 19.090



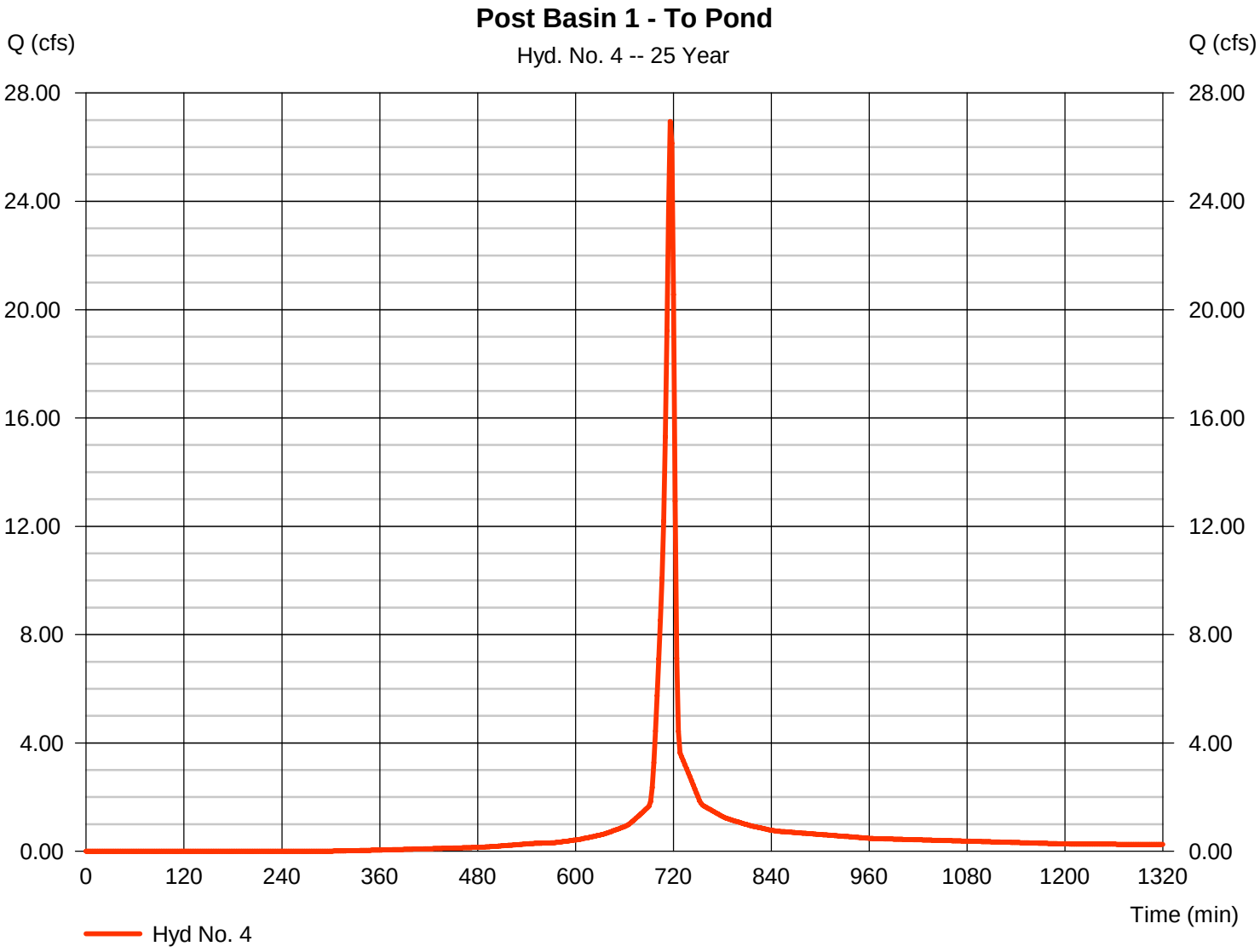
Hydrograph Report

Hyd. No. 4

Post Basin 1 - To Pond

Hydrograph type	= SCS Runoff	Peak discharge	= 26.95 cfs
Storm frequency	= 25 yrs	Time to peak	= 716 min
Time interval	= 2 min	Hyd. volume	= 56,516 cuft
Drainage area	= 3.670 ac	Curve number	= 84*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 6.35 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = + (2.130 x 79) + (0.700 x 84) + (0.840 x 98)] / 3.670



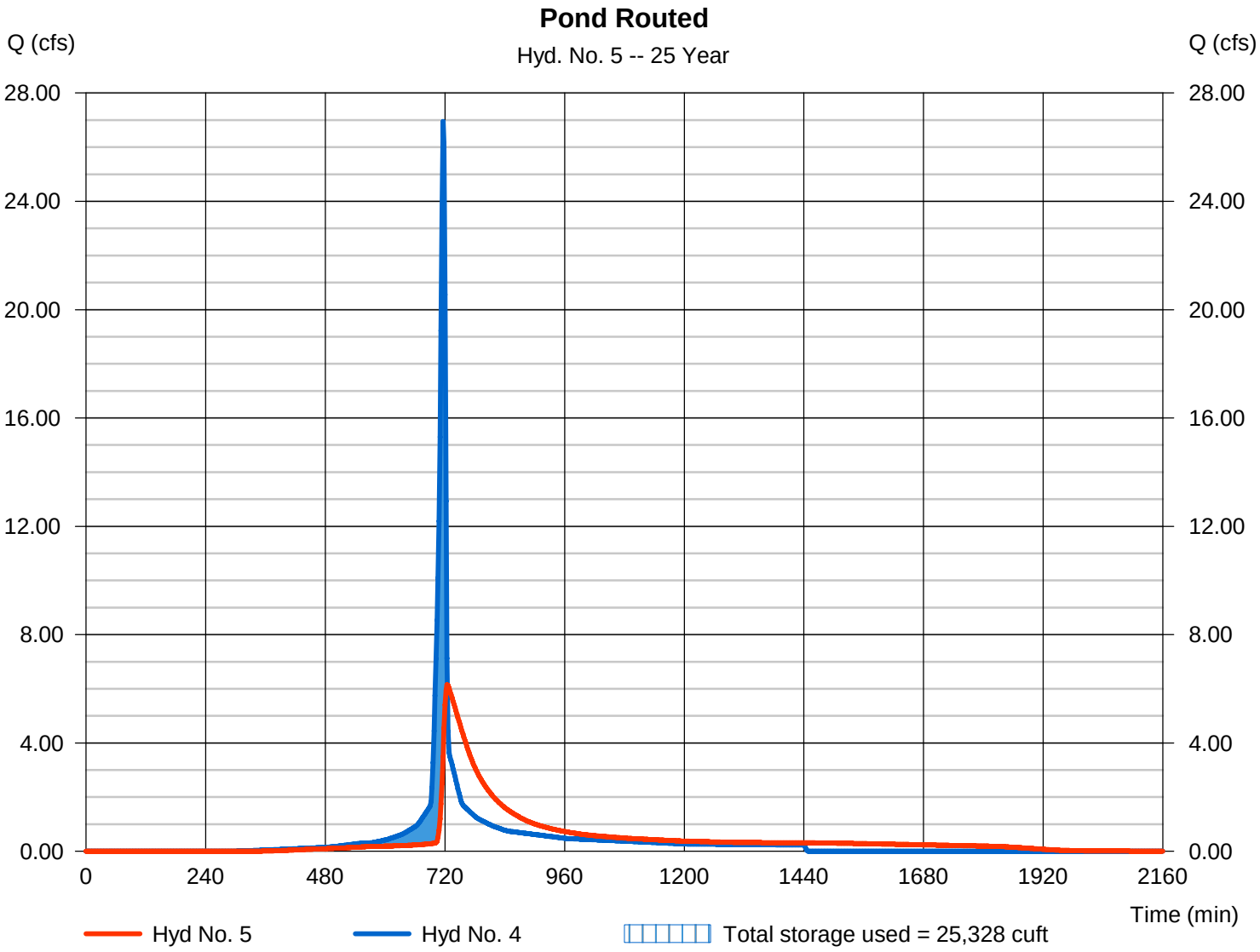
Hydrograph Report

Hyd. No. 5

Pond Routed

Hydrograph type	= Reservoir	Peak discharge	= 6.146 cfs
Storm frequency	= 25 yrs	Time to peak	= 724 min
Time interval	= 2 min	Hyd. volume	= 56,506 cuft
Inflow hyd. No.	= 4 - Post Basin 1 - To Pond	Max. Elevation	= 683.59 ft
Reservoir name	= Pond 1	Max. Storage	= 25,328 cuft

Storage Indication method used.

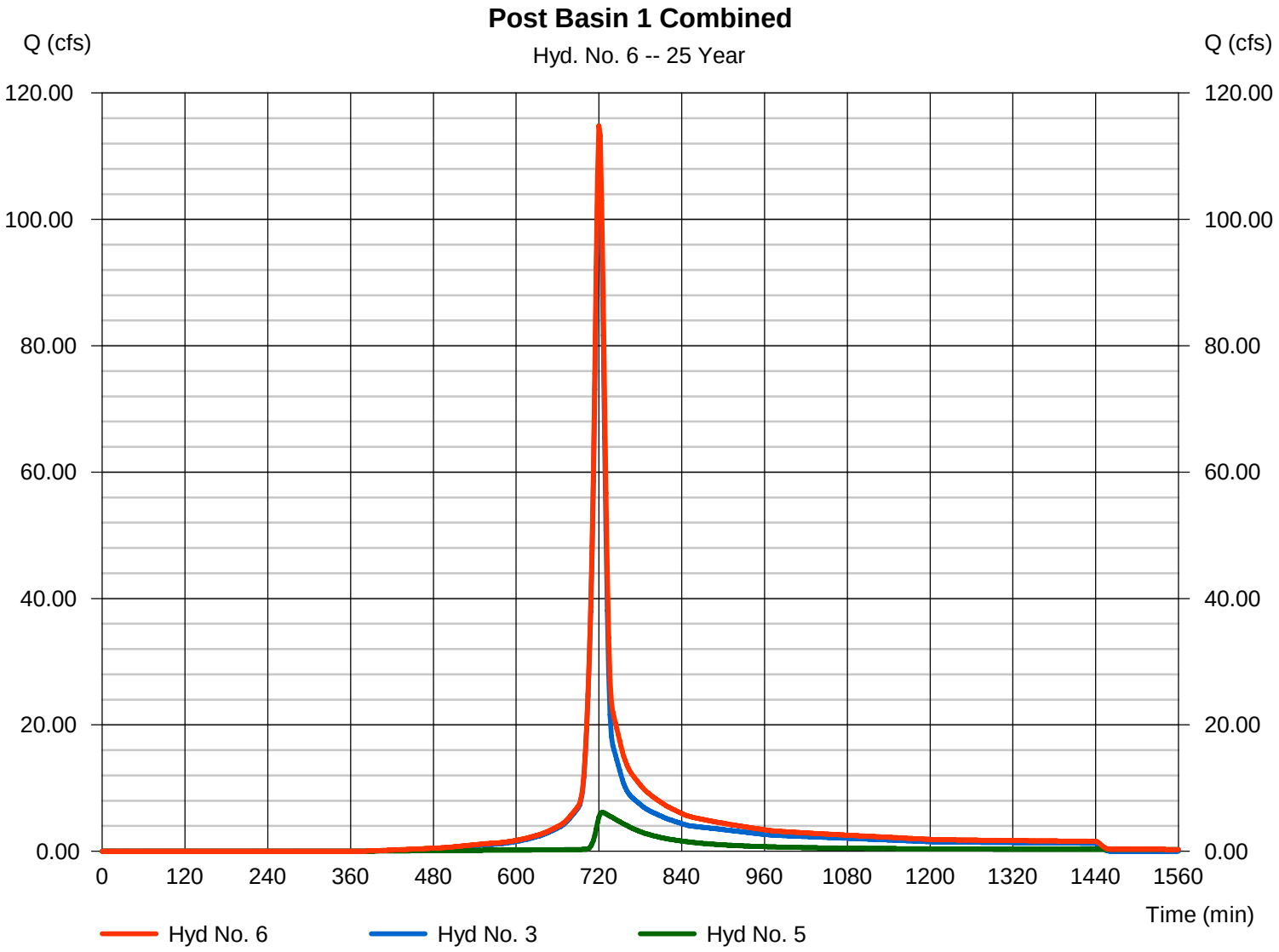


Hydrograph Report

Hyd. No. 6

Post Basin 1 Combined

Hydrograph type	= Combine	Peak discharge	= 114.79 cfs
Storm frequency	= 25 yrs	Time to peak	= 720 min
Time interval	= 2 min	Hyd. volume	= 341,908 cuft
Inflow hyds.	= 3, 5	Contrib. drain. area	= 19.090 ac



Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2025

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	SCS Runoff	151.71	2	720	397,615	------	------	------	Pre Basin 1
3	SCS Runoff	127.25	2	720	333,500	------	------	------	Post Basin 1 - Bypass
4	SCS Runoff	30.87	2	716	65,264	------	------	------	Post Basin 1 - To Pond
5	Reservoir	7.619	2	724	65,254	4	684.01	29,059	Pond Routed
6	Combine	134.15	2	720	398,754	3, 5	------	------	Post Basin 1 Combined

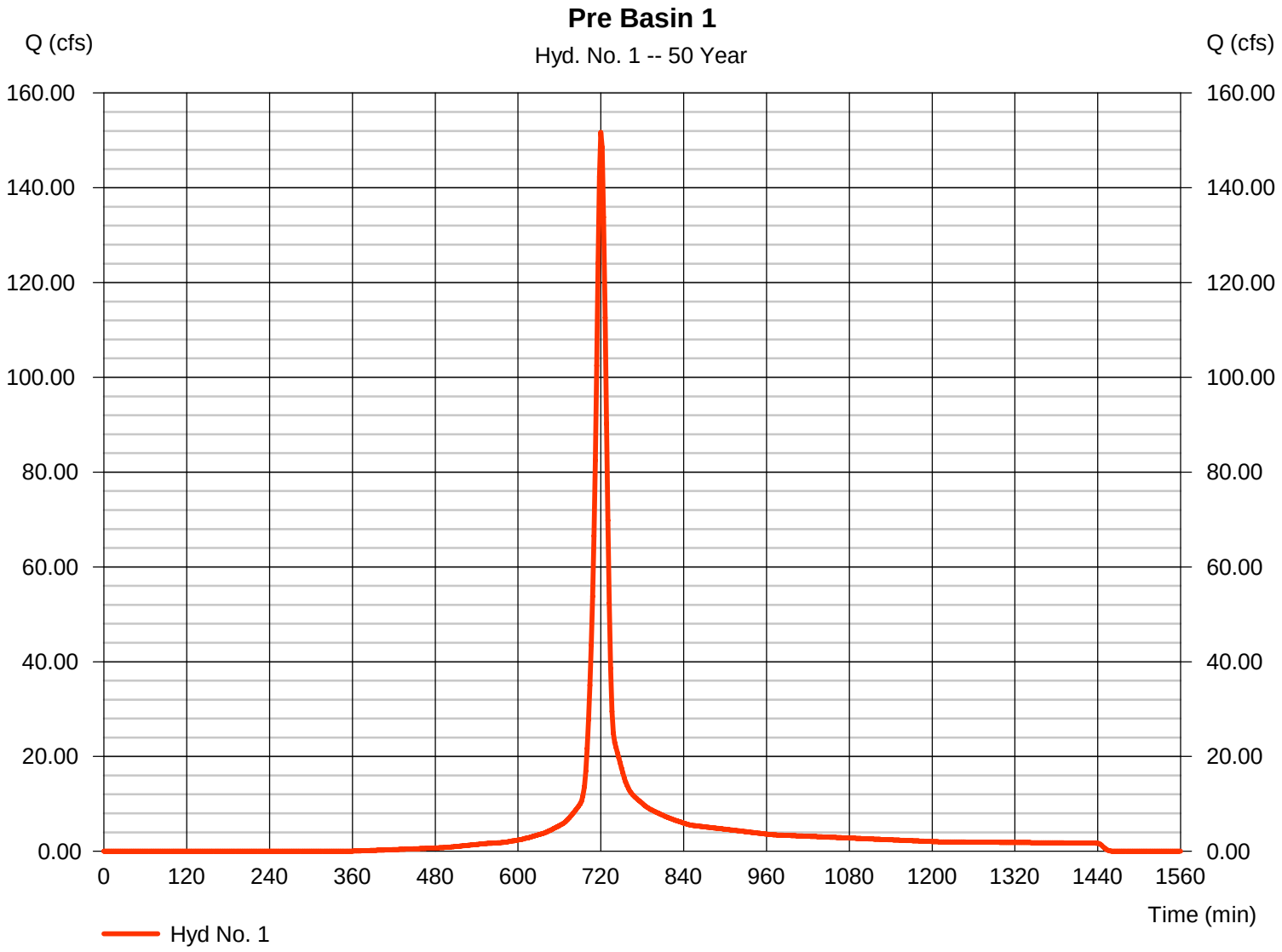
Hydrograph Report

Hyd. No. 1

Pre Basin 1

Hydrograph type	=	SCS Runoff	Peak discharge	=	151.71 cfs
Storm frequency	=	50 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	397,615 cuft
Drainage area	=	22.760 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	7.09 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (11.080 x 79) + (3.760 x 84) + (3.070 x 98)] / 22.760



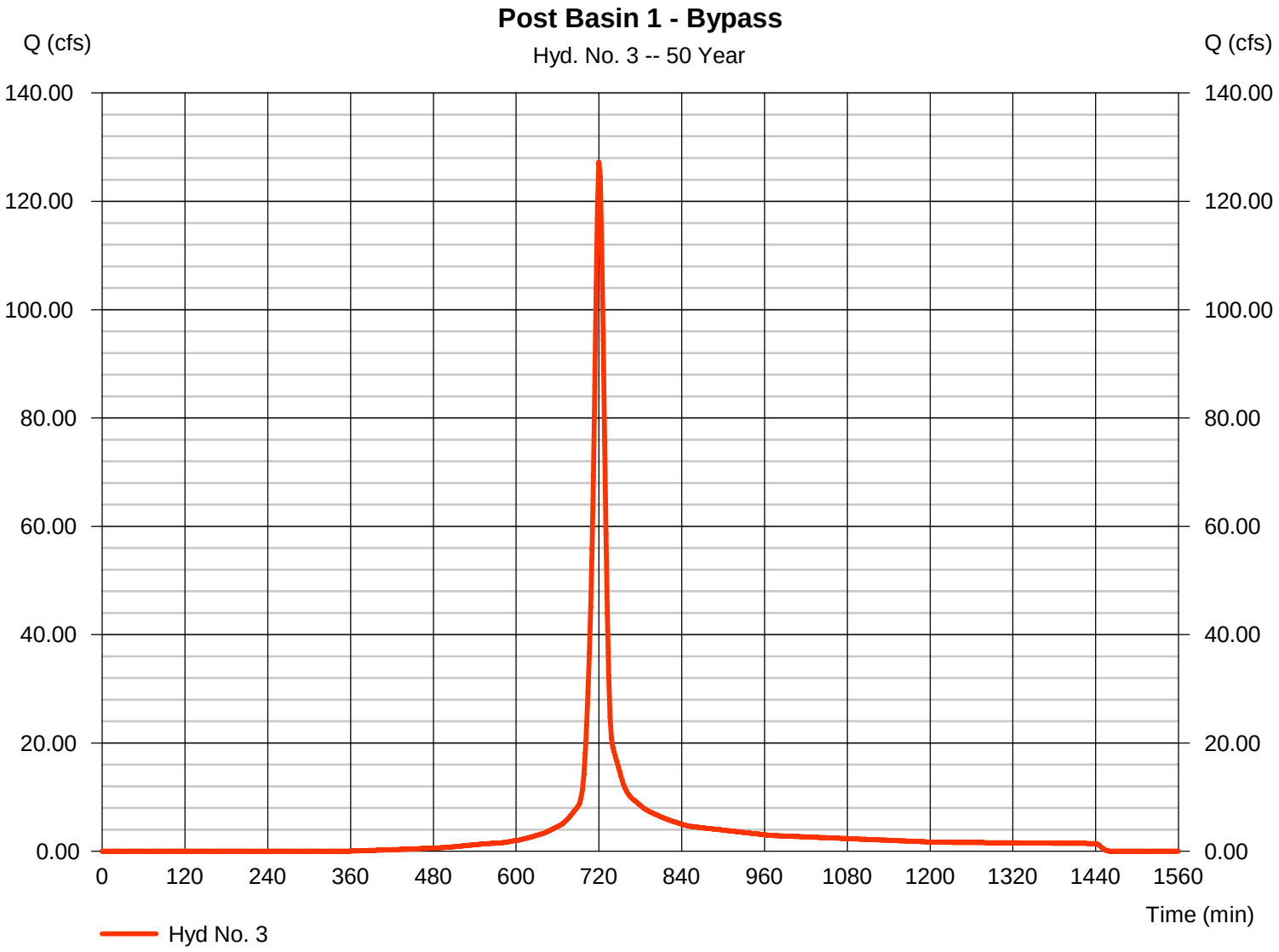
Hydrograph Report

Hyd. No. 3

Post Basin 1 - Bypass

Hydrograph type	=	SCS Runoff	Peak discharge	=	127.25 cfs
Storm frequency	=	50 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	333,500 cuft
Drainage area	=	19.090 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	7.09 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (8.810 x 79) + (1.940 x 84) + (3.490 x 98)] / 19.090



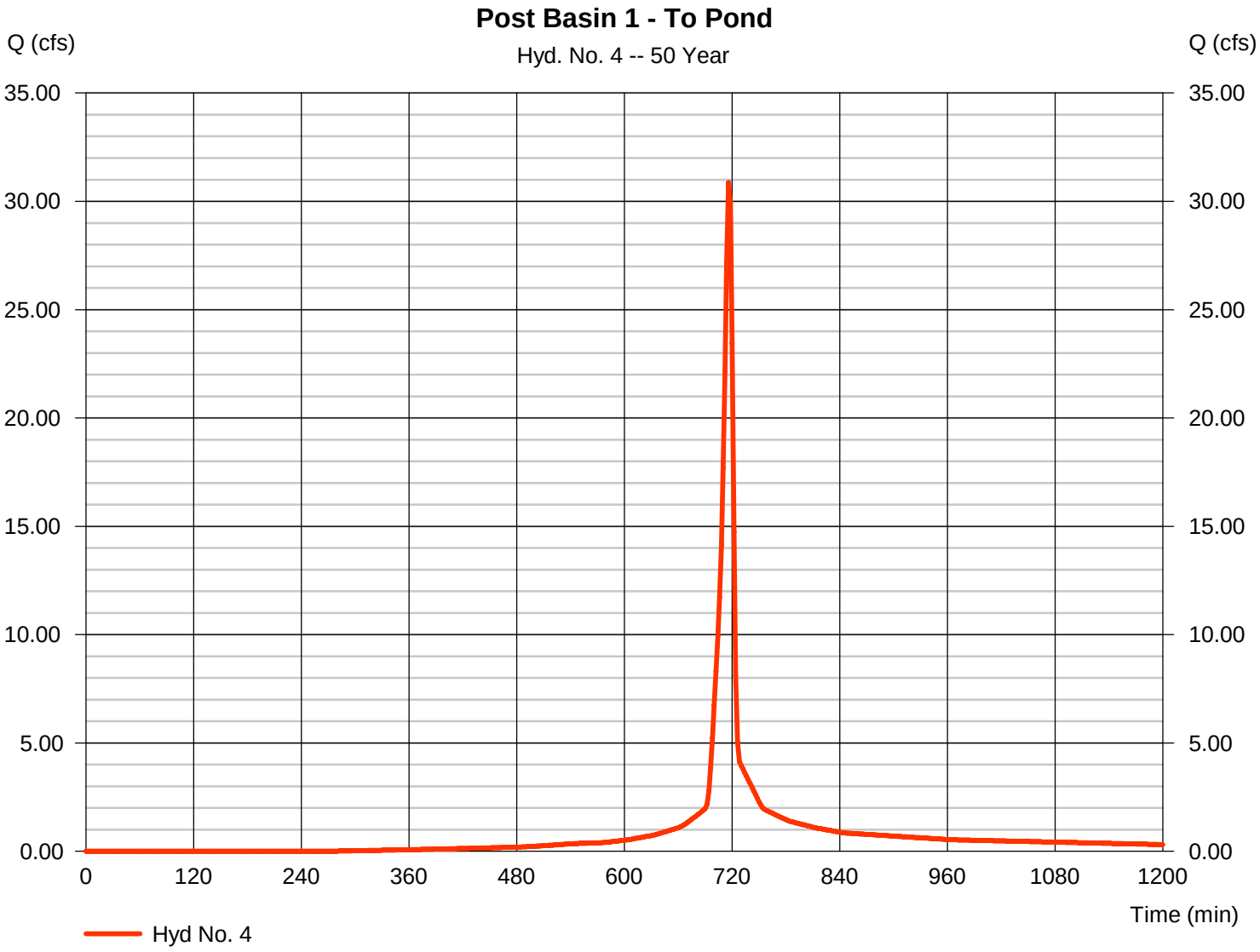
Hydrograph Report

Hyd. No. 4

Post Basin 1 - To Pond

Hydrograph type	= SCS Runoff	Peak discharge	= 30.87 cfs
Storm frequency	= 50 yrs	Time to peak	= 716 min
Time interval	= 2 min	Hyd. volume	= 65,264 cuft
Drainage area	= 3.670 ac	Curve number	= 84*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 7.09 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = + (2.130 x 79) + (0.700 x 84) + (0.840 x 98)] / 3.670



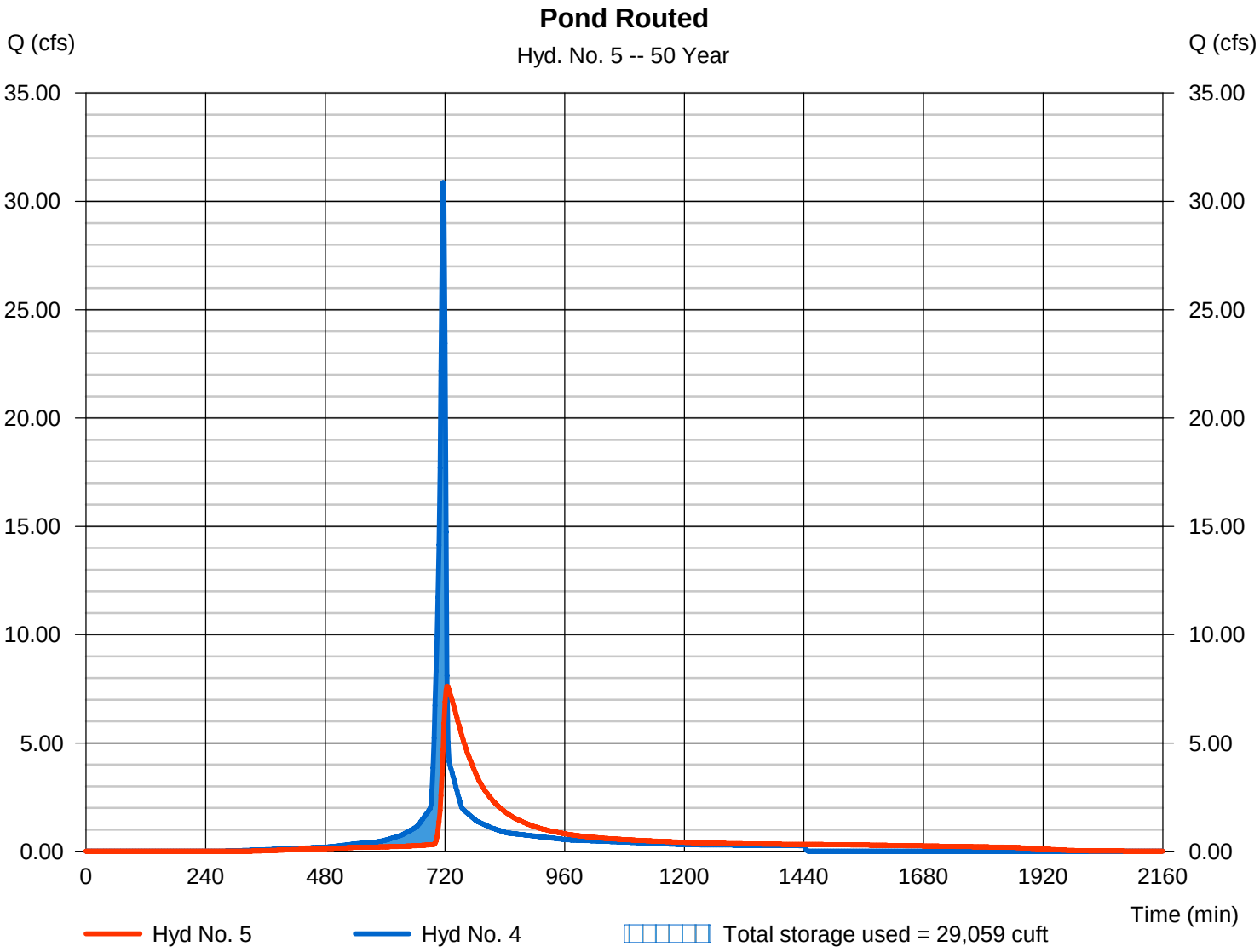
Hydrograph Report

Hyd. No. 5

Pond Routed

Hydrograph type	=	Reservoir	Peak discharge	=	7.619 cfs
Storm frequency	=	50 yrs	Time to peak	=	724 min
Time interval	=	2 min	Hyd. volume	=	65,254 cuft
Inflow hyd. No.	=	4 - Post Basin 1 - To Pond	Max. Elevation	=	684.01 ft
Reservoir name	=	Pond 1	Max. Storage	=	29,059 cuft

Storage Indication method used.

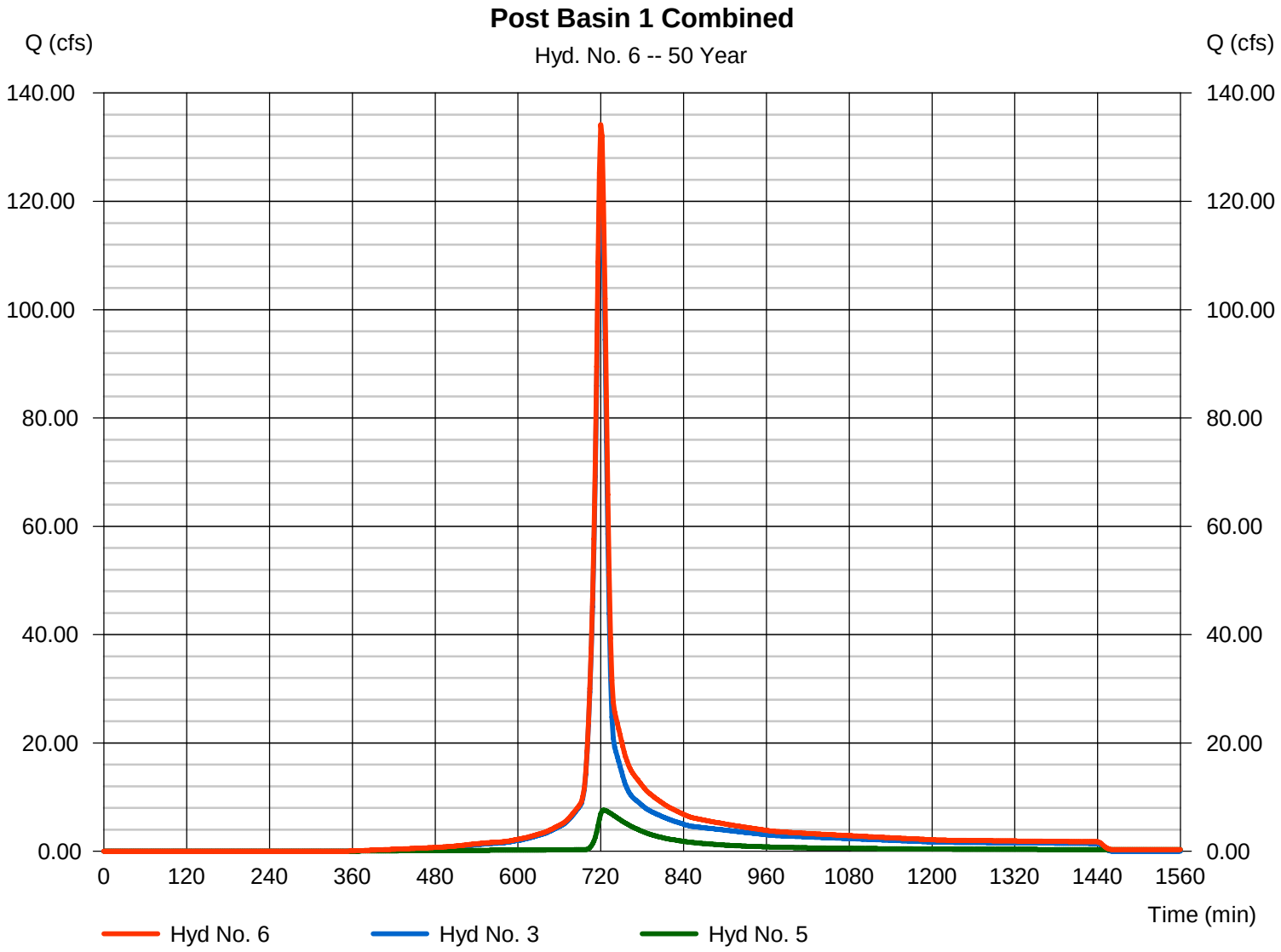


Hydrograph Report

Hyd. No. 6

Post Basin 1 Combined

Hydrograph type	= Combine	Peak discharge	= 134.15 cfs
Storm frequency	= 50 yrs	Time to peak	= 720 min
Time interval	= 2 min	Hyd. volume	= 398,754 cuft
Inflow hyds.	= 3, 5	Contrib. drain. area	= 19.090 ac



Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2025

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	SCS Runoff	173.37	2	720	456,600	------	------	------	Pre Basin 1
3	SCS Runoff	145.42	2	720	382,974	------	------	------	Post Basin 1 - Bypass
4	SCS Runoff	34.83	2	716	74,209	------	------	------	Post Basin 1 - To Pond
5	Reservoir	9.540	2	724	74,200	4	684.37	32,799	Pond Routed
6	Combine	153.60	2	720	457,174	3, 5	------	------	Post Basin 1 Combined

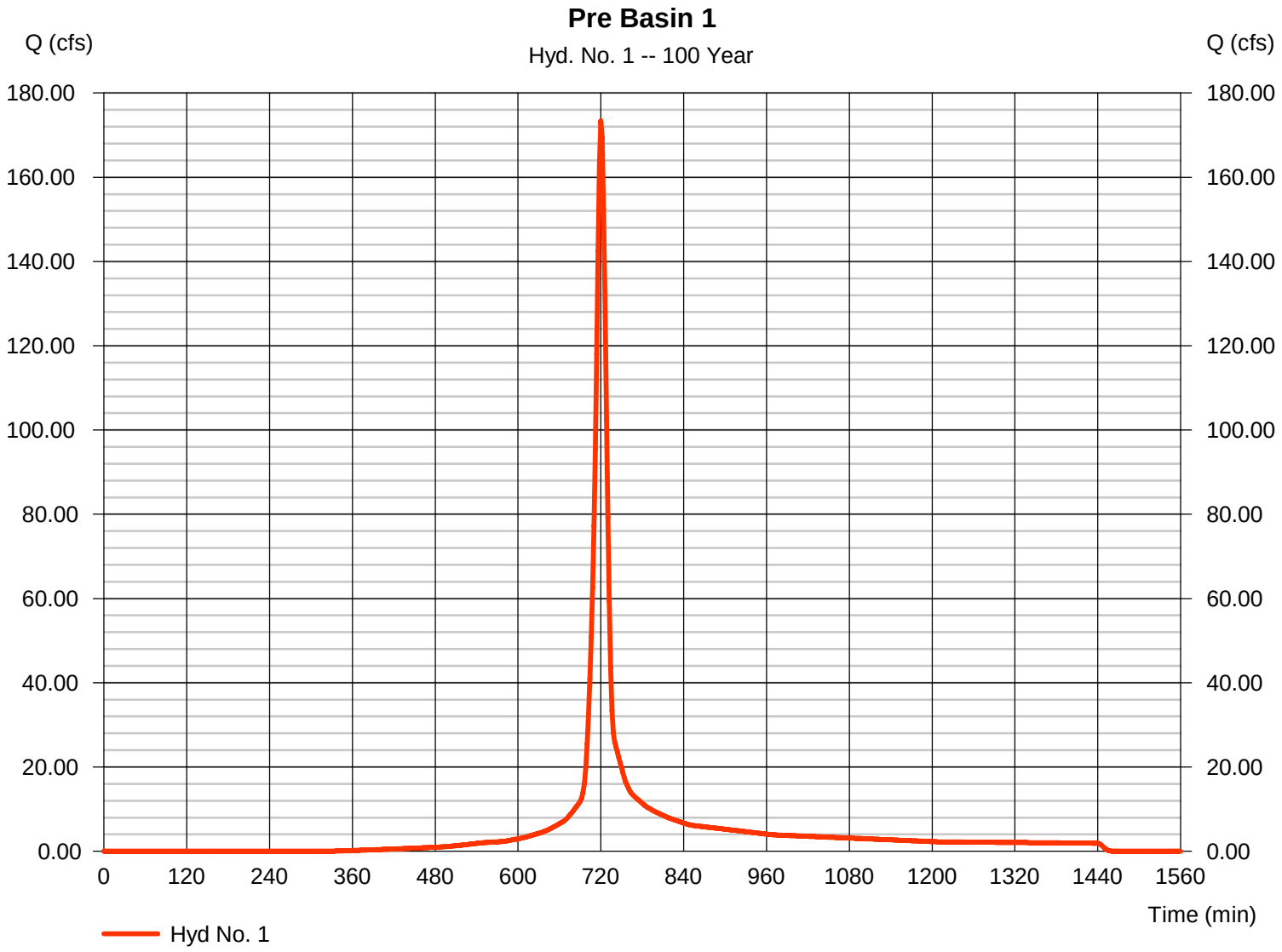
Hydrograph Report

Hyd. No. 1

Pre Basin 1

Hydrograph type	=	SCS Runoff	Peak discharge	=	173.37 cfs
Storm frequency	=	100 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	456,600 cuft
Drainage area	=	22.760 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	7.84 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (11.080 x 79) + (3.760 x 84) + (3.070 x 98)] / 22.760



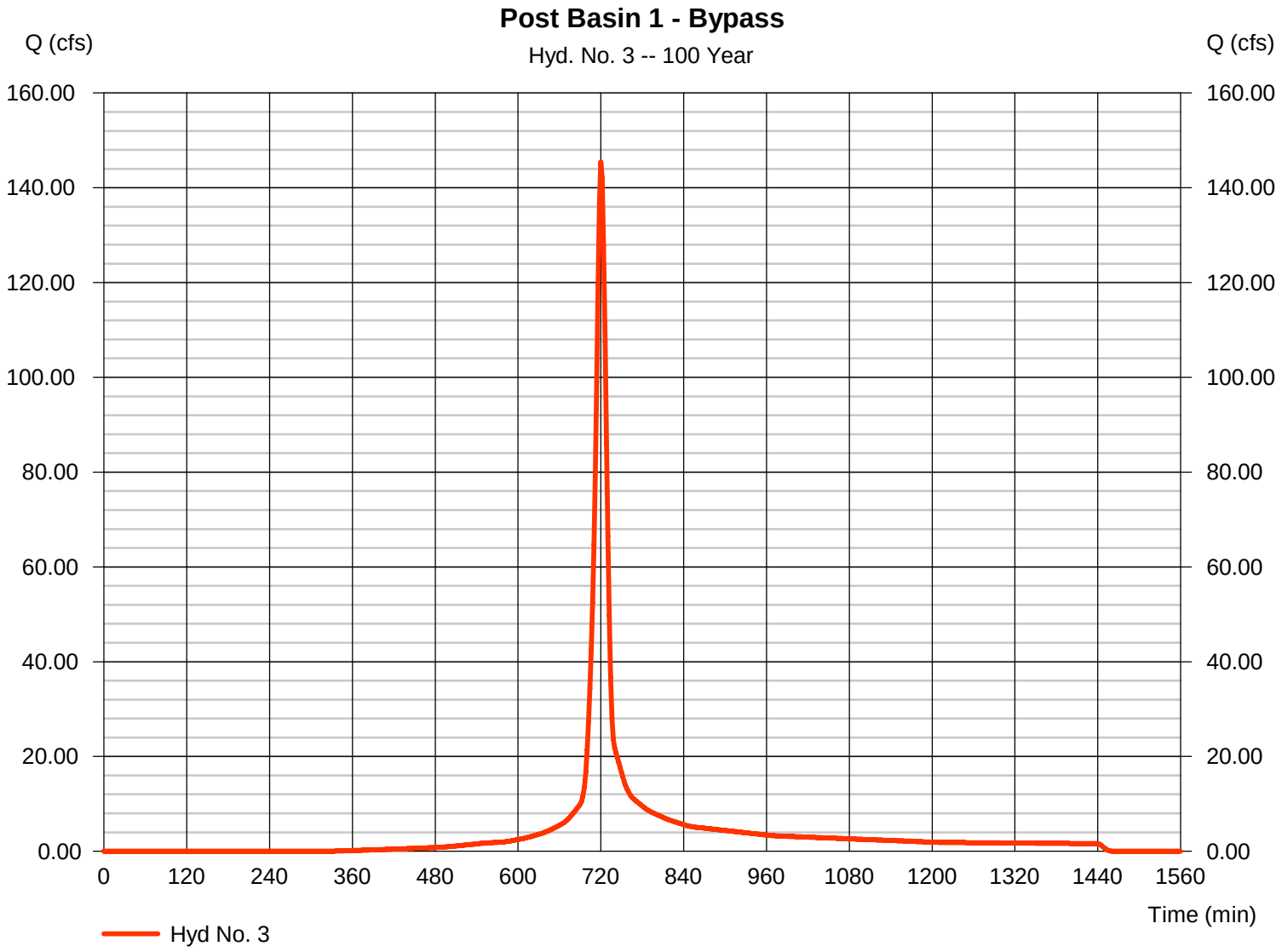
Hydrograph Report

Hyd. No. 3

Post Basin 1 - Bypass

Hydrograph type	=	SCS Runoff	Peak discharge	=	145.42 cfs
Storm frequency	=	100 yrs	Time to peak	=	720 min
Time interval	=	2 min	Hyd. volume	=	382,974 cuft
Drainage area	=	19.090 ac	Curve number	=	79*
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	TR55	Time of conc. (Tc)	=	12.80 min
Total precip.	=	7.84 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484

* Composite (Area/CN) = [(1.080 x 49) + (3.770 x 69) + (8.810 x 79) + (1.940 x 84) + (3.490 x 98)] / 19.090



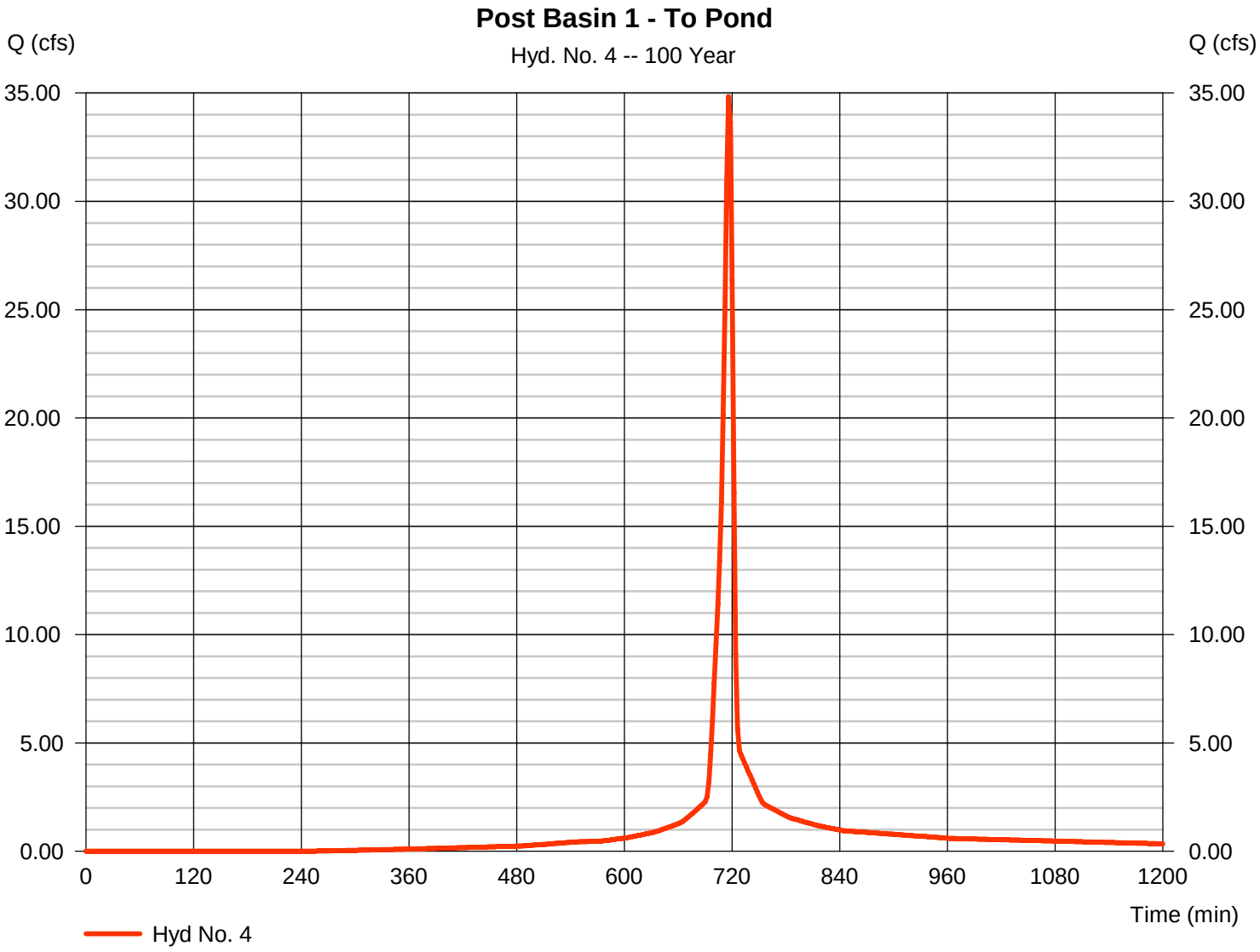
Hydrograph Report

Hyd. No. 4

Post Basin 1 - To Pond

Hydrograph type	= SCS Runoff	Peak discharge	= 34.83 cfs
Storm frequency	= 100 yrs	Time to peak	= 716 min
Time interval	= 2 min	Hyd. volume	= 74,209 cuft
Drainage area	= 3.670 ac	Curve number	= 84*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 7.84 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = + (2.130 x 79) + (0.700 x 84) + (0.840 x 98)] / 3.670



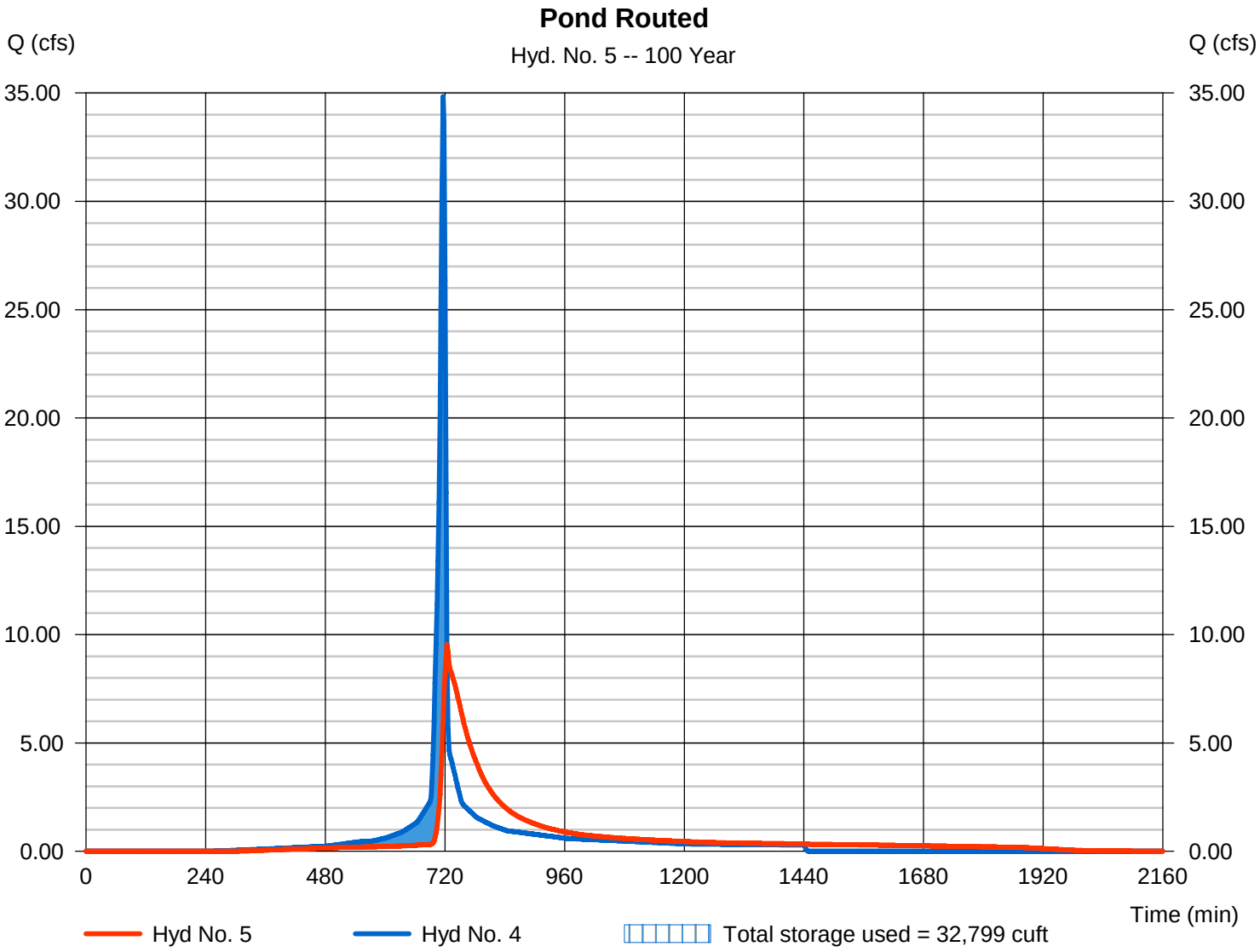
Hydrograph Report

Hyd. No. 5

Pond Routed

Hydrograph type	=	Reservoir	Peak discharge	=	9.540 cfs
Storm frequency	=	100 yrs	Time to peak	=	724 min
Time interval	=	2 min	Hyd. volume	=	74,200 cuft
Inflow hyd. No.	=	4 - Post Basin 1 - To Pond	Max. Elevation	=	684.37 ft
Reservoir name	=	Pond 1	Max. Storage	=	32,799 cuft

Storage Indication method used.

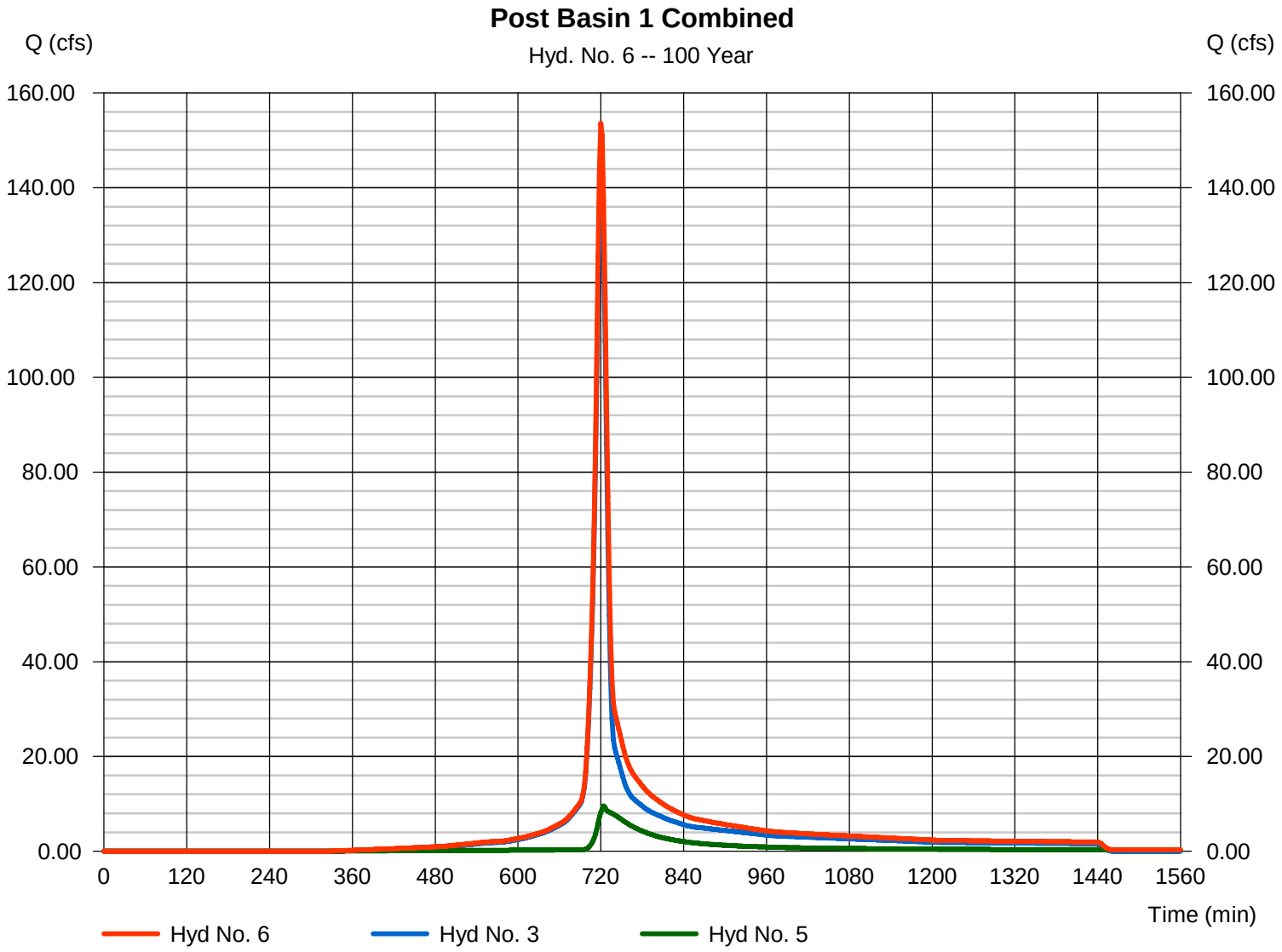


Hydrograph Report

Hyd. No. 6

Post Basin 1 Combined

Hydrograph type	= Combine	Peak discharge	= 153.60 cfs
Storm frequency	= 100 yrs	Time to peak	= 720 min
Time interval	= 2 min	Hyd. volume	= 457,174 cuft
Inflow hyds.	= 3, 5	Contrib. drain. area	= 19.090 ac



Hydraflow Rainfall Report

Return Period (Yrs)	Intensity-Duration-Frequency Equation Coefficients (FHA)			
	B	D	E	(N/A)
1	0.0000	0.0000	0.0000	--------
2	71.4314	12.7000	0.8735	--------
3	0.0000	0.0000	0.0000	--------
5	71.5595	12.4000	0.8251	--------
10	71.8008	12.0000	0.7927	--------
25	65.7617	10.8000	0.7335	--------
50	61.1099	9.8000	0.6889	--------
100	58.8522	9.2000	0.6536	--------

(Manually Input)

Intermediate Intensity Values (In/hr)

Return Period	5-Minute	15-Minute	30-Minute	60-Minute
1-Yr	0.00	0.00	2.24	1.40
2-Yr	5.81	3.89	2.69	1.69
3-Yr	0.00	0.00	0.00	0.00
5-Yr	6.78	4.58	3.25	2.09
10-Yr	7.60	5.12	3.71	2.42
25-Yr	8.69	5.85	4.33	2.89
50-Yr	9.55	6.42	4.83	3.28
100-Yr	10.40	6.99	5.35	3.69

File name: Nashville IDF Curve.idf

Intensity = B / (Tc + D)^E

Return Period (Yrs)	Intensity Values (in/hr) (Application Calculated)											
	5 min	10	15	20	25	30	35	40	45	50	55	60
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	5.81	4.67	3.93	3.40	3.00	2.69	2.44	2.24	2.07	1.92	1.80	1.69
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	6.78	5.50	4.66	4.06	3.60	3.25	2.96	2.73	2.53	2.36	2.22	2.09
10	7.60	6.19	5.27	4.60	4.10	3.71	3.39	3.13	2.91	2.72	2.56	2.42
25	8.68	7.10	6.06	5.32	4.77	4.33	3.98	3.69	3.44	3.23	3.05	2.89
50	9.55	7.81	6.69	5.90	5.30	4.83	4.45	4.14	3.87	3.65	3.45	3.28
100	10.39	8.53	7.33	6.49	5.85	5.35	4.95	4.61	4.33	4.09	3.88	3.69

Tc = time in minutes. Values may exceed 60.

Storm Distribution	Rainfall Precipitation Table (in)							
	1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr
SCS 24-hour	0.00	3.90	0.00	4.75	5.43	6.35	7.09	7.84
SCS 6-Hr	0.00	2.60	0.00	3.17	3.66	4.35	4.93	5.54
Huff-1st	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-2nd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-3rd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-4th	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-Indy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Custom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOAA Atlas 14, Volume 2, Version 3
Location name: Mount Pleasant, Tennessee, USA*
Latitude: 35.5406°, Longitude: -87.2141°
Elevation: 687 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M.Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

INTENSITY IN IN/HR

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	4.92 (4.52-5.39)	5.81 (5.34-6.36)	6.78 (6.24-7.44)	7.60 (6.96-8.30)	8.69 (7.91-9.49)	9.55 (8.64-10.4)	10.4 (9.37-11.4)	11.4 (10.1-12.4)	12.6 (11.1-13.8)	13.6 (11.8-14.9)
10-min	3.93 (3.62-4.30)	4.64 (4.27-5.09)	5.43 (4.99-5.95)	6.07 (5.57-6.64)	6.92 (6.30-7.57)	7.60 (6.88-8.29)	8.30 (7.45-9.05)	9.01 (8.02-9.82)	9.97 (8.75-10.9)	10.7 (9.32-11.7)
15-min	3.27 (3.01-3.58)	3.89 (3.58-4.26)	4.58 (4.21-5.02)	5.12 (4.70-5.60)	5.85 (5.32-6.39)	6.42 (5.80-7.00)	6.99 (6.27-7.62)	7.58 (6.74-8.26)	8.37 (7.35-9.15)	8.98 (7.80-9.83)
30-min	2.24 (2.07-2.46)	2.69 (2.47-2.94)	3.25 (2.99-3.57)	3.71 (3.40-4.06)	4.33 (3.94-4.73)	4.83 (4.37-5.27)	5.35 (4.80-5.84)	5.90 (5.25-6.43)	6.66 (5.85-7.28)	7.27 (6.31-7.96)
60-min	1.40 (1.29-1.53)	1.69 (1.55-1.85)	2.09 (1.92-2.29)	2.42 (2.22-2.64)	2.89 (2.63-3.15)	3.28 (2.96-3.57)	3.69 (3.31-4.02)	4.14 (3.68-4.51)	4.78 (4.19-5.22)	5.31 (4.61-5.81)
2-hr	0.807 (0.740-0.889)	0.969 (0.886-1.07)	1.20 (1.10-1.32)	1.39 (1.26-1.53)	1.66 (1.50-1.82)	1.90 (1.70-2.08)	2.14 (1.91-2.35)	2.41 (2.13-2.64)	2.80 (2.44-3.07)	3.13 (2.69-3.44)
3-hr	0.583 (0.536-0.641)	0.698 (0.641-0.768)	0.861 (0.789-0.944)	0.997 (0.910-1.09)	1.19 (1.08-1.30)	1.35 (1.22-1.48)	1.53 (1.37-1.67)	1.72 (1.52-1.88)	1.99 (1.74-2.18)	2.21 (1.91-2.43)
6-hr	0.364 (0.335-0.399)	0.434 (0.399-0.476)	0.529 (0.486-0.580)	0.610 (0.558-0.668)	0.726 (0.659-0.792)	0.822 (0.742-0.897)	0.925 (0.828-1.01)	1.04 (0.920-1.13)	1.19 (1.05-1.30)	1.32 (1.15-1.45)
12-hr	0.219 (0.202-0.241)	0.262 (0.241-0.287)	0.319 (0.293-0.350)	0.367 (0.336-0.402)	0.434 (0.395-0.475)	0.490 (0.443-0.535)	0.549 (0.493-0.600)	0.612 (0.546-0.669)	0.701 (0.618-0.767)	0.773 (0.675-0.848)
24-hr	0.136 (0.125-0.147)	0.162 (0.150-0.176)	0.198 (0.183-0.215)	0.226 (0.208-0.245)	0.264 (0.243-0.286)	0.295 (0.271-0.319)	0.326 (0.299-0.353)	0.358 (0.327-0.387)	0.402 (0.365-0.435)	0.437 (0.394-0.472)
2-day	0.080 (0.074-0.087)	0.096 (0.088-0.104)	0.117 (0.108-0.127)	0.134 (0.123-0.145)	0.156 (0.143-0.170)	0.175 (0.160-0.189)	0.193 (0.176-0.209)	0.212 (0.193-0.230)	0.238 (0.215-0.258)	0.258 (0.232-0.281)
3-day	0.057 (0.053-0.062)	0.068 (0.063-0.074)	0.083 (0.077-0.090)	0.094 (0.087-0.102)	0.110 (0.101-0.119)	0.122 (0.112-0.132)	0.134 (0.123-0.145)	0.146 (0.134-0.158)	0.163 (0.148-0.176)	0.176 (0.159-0.190)
4-day	0.045 (0.042-0.049)	0.054 (0.050-0.058)	0.066 (0.061-0.071)	0.075 (0.069-0.080)	0.086 (0.080-0.093)	0.095 (0.088-0.103)	0.104 (0.096-0.112)	0.113 (0.104-0.122)	0.125 (0.115-0.135)	0.135 (0.123-0.145)
7-day	0.030 (0.028-0.032)	0.036 (0.034-0.039)	0.044 (0.041-0.047)	0.049 (0.046-0.053)	0.057 (0.053-0.060)	0.062 (0.058-0.066)	0.068 (0.063-0.072)	0.073 (0.068-0.078)	0.081 (0.074-0.086)	0.086 (0.079-0.092)
10-day	0.024 (0.023-0.026)	0.029 (0.027-0.030)	0.034 (0.032-0.036)	0.038 (0.036-0.041)	0.044 (0.041-0.047)	0.048 (0.045-0.051)	0.053 (0.049-0.056)	0.057 (0.053-0.060)	0.062 (0.058-0.066)	0.066 (0.061-0.071)
20-day	0.016 (0.015-0.017)	0.019 (0.018-0.021)	0.023 (0.021-0.024)	0.025 (0.024-0.027)	0.028 (0.026-0.030)	0.030 (0.028-0.032)	0.032 (0.030-0.034)	0.034 (0.032-0.036)	0.037 (0.034-0.039)	0.038 (0.036-0.041)
30-day	0.013 (0.013-0.014)	0.016 (0.015-0.017)	0.018 (0.017-0.019)	0.020 (0.019-0.021)	0.022 (0.021-0.023)	0.024 (0.022-0.025)	0.025 (0.024-0.026)	0.026 (0.025-0.028)	0.028 (0.026-0.029)	0.029 (0.027-0.031)
45-day	0.011 (0.011-0.012)	0.013 (0.012-0.014)	0.015 (0.014-0.016)	0.016 (0.015-0.017)	0.018 (0.017-0.019)	0.019 (0.018-0.020)	0.020 (0.019-0.021)	0.021 (0.020-0.022)	0.022 (0.021-0.024)	0.023 (0.022-0.024)
60-day	0.010 (0.009-0.010)	0.012 (0.011-0.012)	0.013 (0.013-0.014)	0.014 (0.014-0.015)	0.016 (0.015-0.017)	0.017 (0.016-0.018)	0.018 (0.017-0.019)	0.019 (0.017-0.020)	0.019 (0.018-0.021)	0.020 (0.019-0.021)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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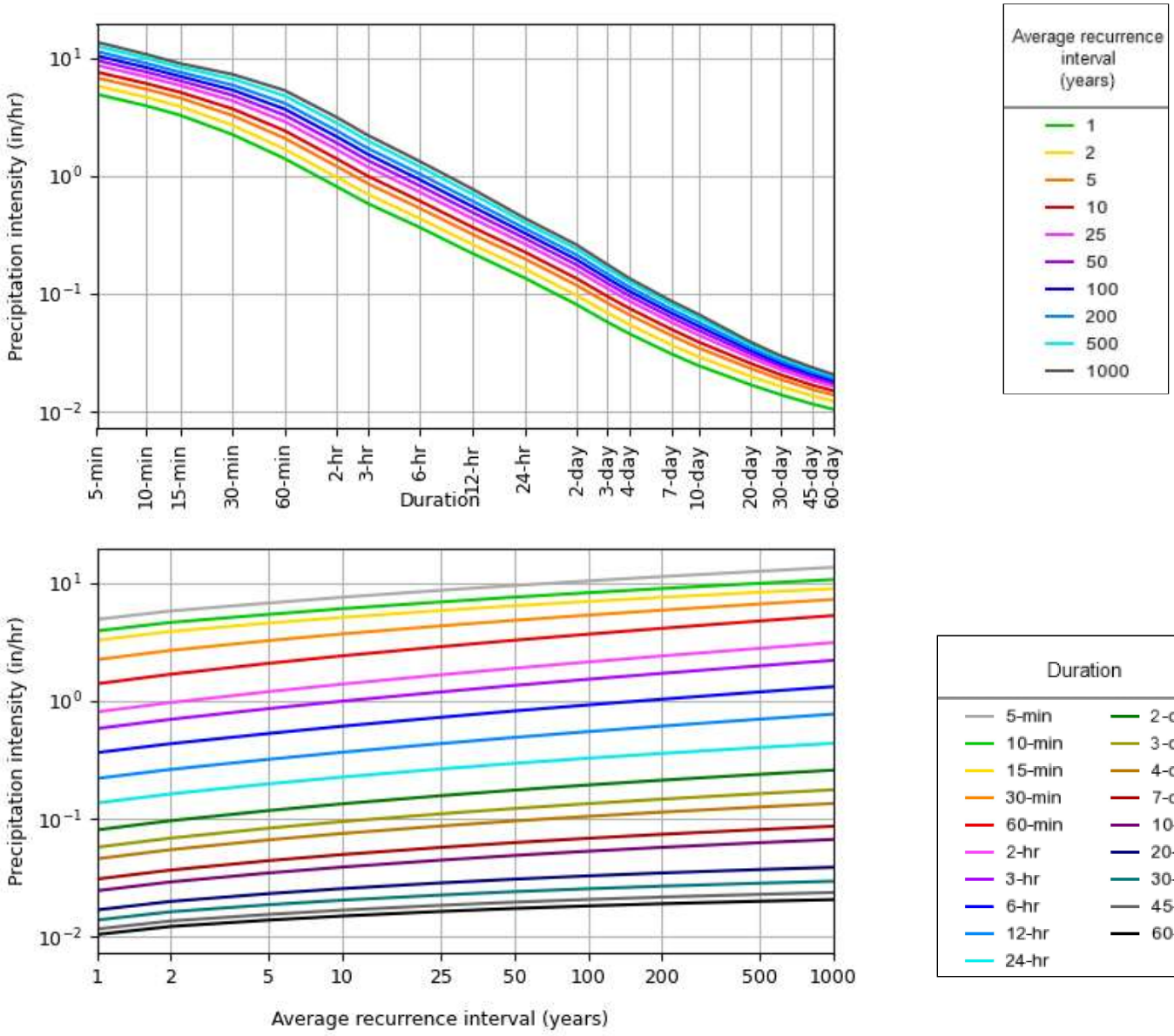
PF graphical

PDS-based intensity-duration-frequency (IDF) curves
Latitude: 35.5406°, Longitude: -87.2141°



NOAA Atlas 14, Volume 2, Version 3

Created (GMT): Mon Feb 23 20:29:12 2026

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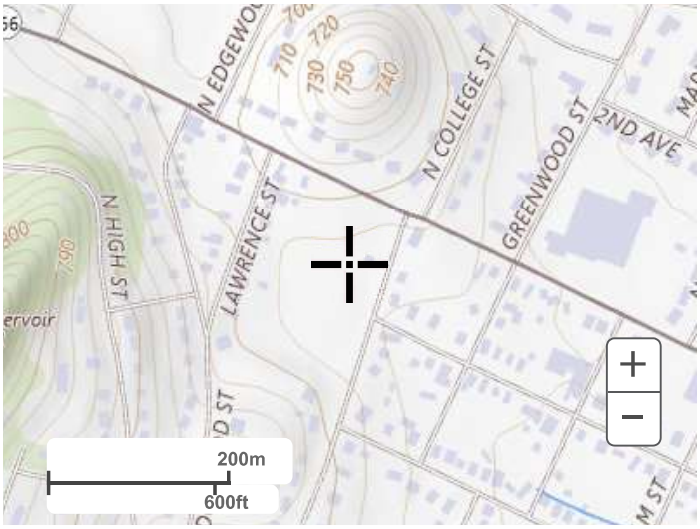
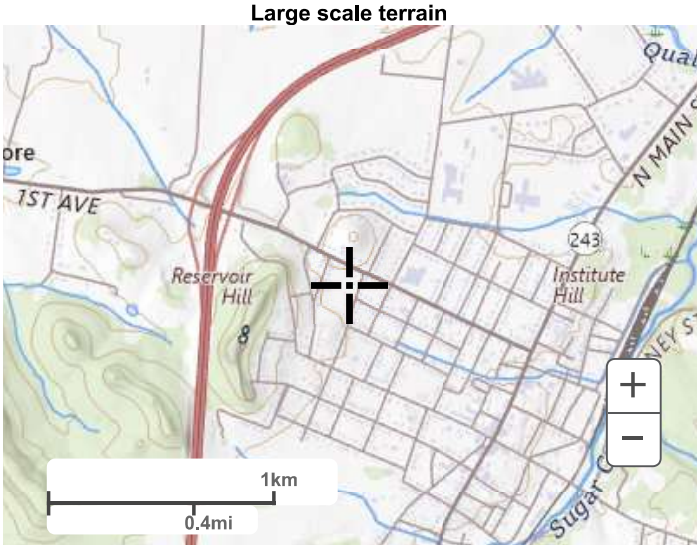
Maps & aerials

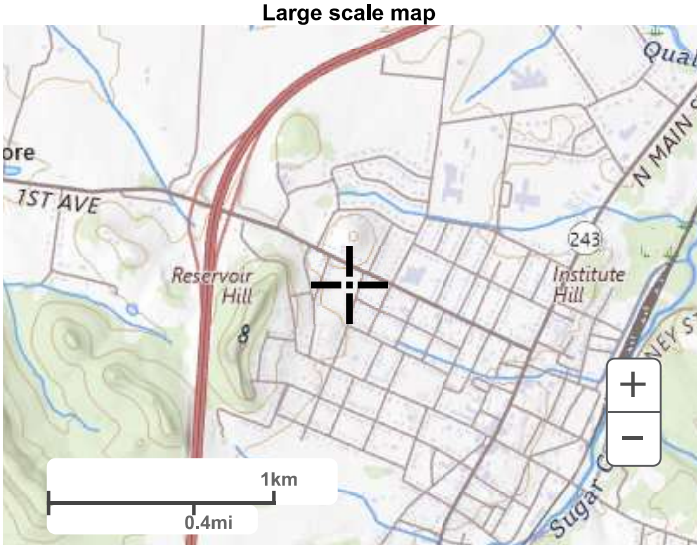
Small scale terrain



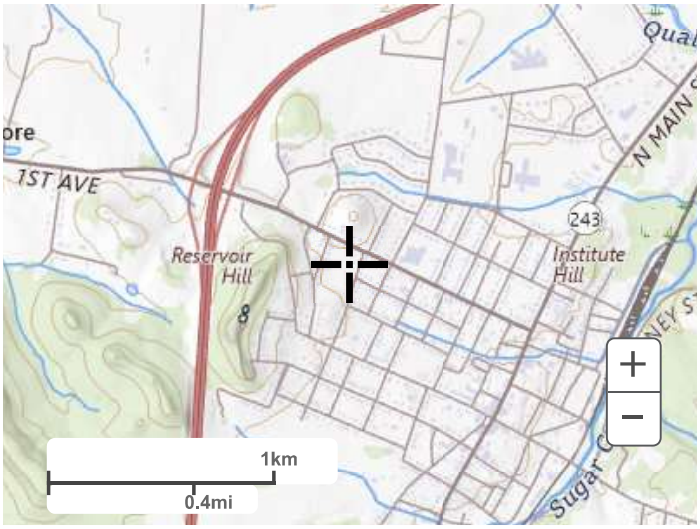
Large scale terrain



Large scale map



Large scale aerial



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National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

NOAA Atlas 14, Volume 2, Version 3
Location name: Mount Pleasant, Tennessee, USA*
Latitude: 35.5406°, Longitude: -87.2141°
Elevation: 687 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M.Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

DEPTH IN IN

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.410 (0.377-0.449)	0.484 (0.445-0.530)	0.565 (0.520-0.620)	0.633 (0.580-0.692)	0.724 (0.659-0.791)	0.796 (0.720-0.868)	0.870 (0.781-0.949)	0.947 (0.843-1.03)	1.05 (0.922-1.15)	1.14 (0.986-1.24)
10-min	0.655 (0.603-0.717)	0.774 (0.712-0.848)	0.905 (0.832-0.992)	1.01 (0.928-1.11)	1.15 (1.05-1.26)	1.27 (1.15-1.38)	1.38 (1.24-1.51)	1.50 (1.34-1.64)	1.66 (1.46-1.82)	1.79 (1.55-1.96)
15-min	0.818 (0.753-0.896)	0.973 (0.896-1.07)	1.14 (1.05-1.26)	1.28 (1.17-1.40)	1.46 (1.33-1.60)	1.60 (1.45-1.75)	1.75 (1.57-1.91)	1.89 (1.68-2.06)	2.09 (1.84-2.29)	2.25 (1.95-2.46)
30-min	1.12 (1.03-1.23)	1.34 (1.24-1.47)	1.63 (1.50-1.78)	1.86 (1.70-2.03)	2.17 (1.97-2.37)	2.42 (2.18-2.64)	2.68 (2.40-2.92)	2.95 (2.62-3.21)	3.33 (2.92-3.64)	3.64 (3.16-3.98)
60-min	1.40 (1.29-1.53)	1.69 (1.55-1.85)	2.09 (1.92-2.29)	2.42 (2.22-2.64)	2.89 (2.63-3.15)	3.28 (2.96-3.57)	3.69 (3.31-4.02)	4.14 (3.68-4.51)	4.78 (4.19-5.22)	5.31 (4.61-5.81)
2-hr	1.62 (1.48-1.78)	1.94 (1.77-2.13)	2.40 (2.19-2.64)	2.78 (2.53-3.05)	3.33 (3.01-3.65)	3.79 (3.40-4.15)	4.29 (3.81-4.69)	4.82 (4.25-5.28)	5.60 (4.87-6.14)	6.25 (5.38-6.88)
3-hr	1.75 (1.61-1.92)	2.10 (1.93-2.31)	2.59 (2.37-2.84)	2.99 (2.73-3.28)	3.58 (3.24-3.91)	4.07 (3.66-4.45)	4.59 (4.10-5.02)	5.15 (4.57-5.64)	5.97 (5.22-6.54)	6.65 (5.75-7.29)
6-hr	2.18 (2.01-2.39)	2.60 (2.39-2.85)	3.17 (2.91-3.48)	3.66 (3.35-4.00)	4.35 (3.95-4.75)	4.93 (4.44-5.37)	5.54 (4.96-6.04)	6.20 (5.51-6.77)	7.15 (6.27-7.81)	7.93 (6.88-8.69)
12-hr	2.65 (2.44-2.90)	3.16 (2.91-3.47)	3.85 (3.53-4.22)	4.42 (4.05-4.84)	5.24 (4.76-5.72)	5.91 (5.34-6.46)	6.62 (5.94-7.23)	7.38 (6.58-8.06)	8.45 (7.45-9.25)	9.32 (8.14-10.2)
24-hr	3.26 (3.02-3.54)	3.90 (3.61-4.24)	4.75 (4.40-5.16)	5.43 (5.01-5.88)	6.35 (5.85-6.88)	7.09 (6.51-7.66)	7.84 (7.18-8.47)	8.62 (7.86-9.31)	9.67 (8.76-10.4)	10.5 (9.47-11.3)
2-day	3.87 (3.57-4.20)	4.62 (4.27-5.03)	5.64 (5.19-6.14)	6.44 (5.92-7.00)	7.53 (6.91-8.18)	8.40 (7.69-9.12)	9.30 (8.47-10.1)	10.2 (9.27-11.1)	11.5 (10.3-12.4)	12.4 (11.2-13.5)
3-day	4.13 (3.83-4.46)	4.94 (4.58-5.34)	6.00 (5.55-6.49)	6.82 (6.31-7.38)	7.93 (7.32-8.57)	8.80 (8.10-9.51)	9.68 (8.88-10.4)	10.6 (9.66-11.4)	11.8 (10.7-12.7)	12.7 (11.5-13.7)
4-day	4.39 (4.09-4.73)	5.25 (4.88-5.65)	6.36 (5.91-6.84)	7.21 (6.70-7.76)	8.33 (7.72-8.96)	9.20 (8.52-9.90)	10.1 (9.29-10.8)	10.9 (10.1-11.8)	12.1 (11.1-13.0)	13.0 (11.8-14.0)
7-day	5.18 (4.84-5.52)	6.17 (5.78-6.58)	7.41 (6.94-7.91)	8.36 (7.82-8.91)	9.60 (8.97-10.2)	10.5 (9.84-11.2)	11.5 (10.7-12.2)	12.4 (11.5-13.2)	13.6 (12.6-14.5)	14.5 (13.4-15.5)
10-day	5.88 (5.53-6.26)	6.99 (6.57-7.44)	8.32 (7.82-8.85)	9.35 (8.77-9.94)	10.7 (10.0-11.4)	11.7 (11.0-12.4)	12.7 (11.9-13.5)	13.7 (12.8-14.6)	15.1 (13.9-16.0)	16.0 (14.8-17.0)
20-day	8.08 (7.63-8.55)	9.55 (9.02-10.1)	11.1 (10.5-11.8)	12.3 (11.6-13.0)	13.7 (12.9-14.5)	14.8 (13.9-15.6)	15.7 (14.8-16.6)	16.7 (15.7-17.6)	17.8 (16.7-18.8)	18.6 (17.4-19.7)
30-day	9.96 (9.44-10.5)	11.7 (11.1-12.3)	13.4 (12.7-14.2)	14.7 (13.9-15.5)	16.2 (15.3-17.1)	17.3 (16.4-18.3)	18.4 (17.3-19.3)	19.3 (18.2-20.4)	20.5 (19.3-21.6)	21.3 (20.0-22.5)
45-day	12.5 (11.9-13.2)	14.7 (13.9-15.4)	16.7 (15.8-17.5)	18.1 (17.2-19.0)	19.9 (18.9-20.9)	21.2 (20.1-22.3)	22.3 (21.1-23.5)	23.4 (22.1-24.6)	24.7 (23.3-26.0)	25.6 (24.1-26.9)
60-day	15.0 (14.2-15.8)	17.6 (16.6-18.5)	19.9 (18.8-20.9)	21.5 (20.4-22.7)	23.6 (22.3-24.8)	25.0 (23.6-26.3)	26.2 (24.8-27.6)	27.4 (25.9-28.9)	28.8 (27.1-30.3)	29.7 (28.0-31.3)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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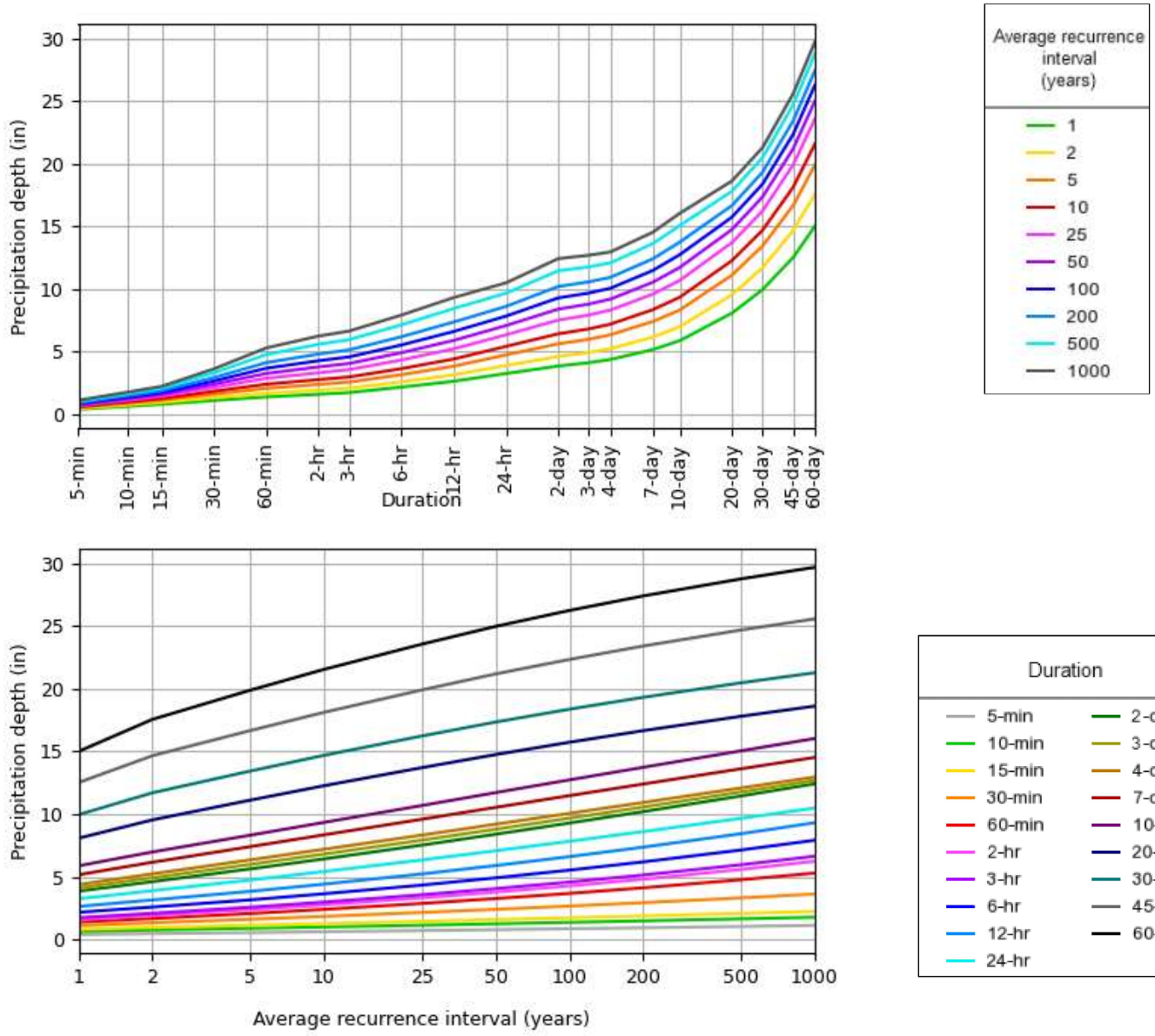
PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 35.5406°, Longitude: -87.2141°



NOAA Atlas 14, Volume 2, Version 3

Created (GMT): Tue Feb 24 13:38:07 2026

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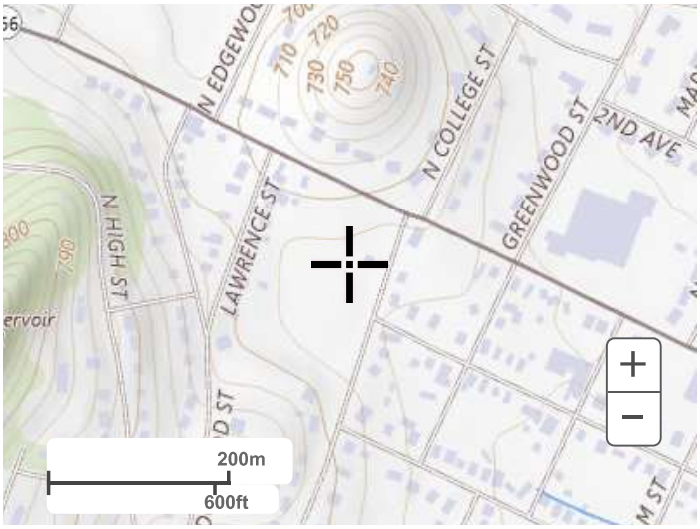
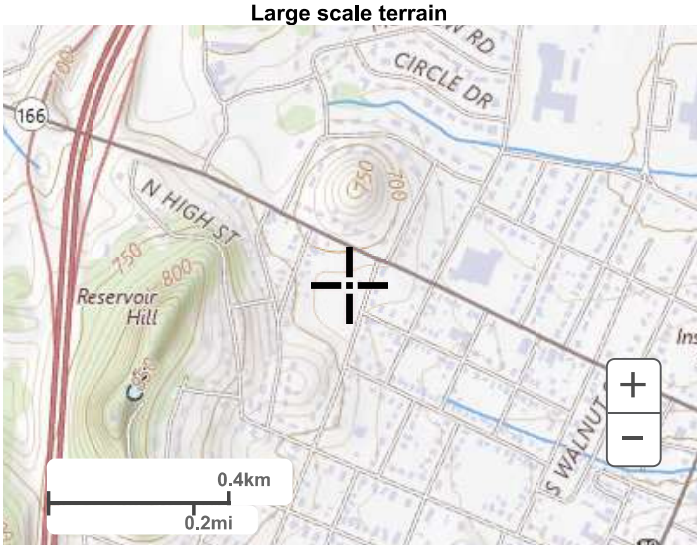
Maps & aerials

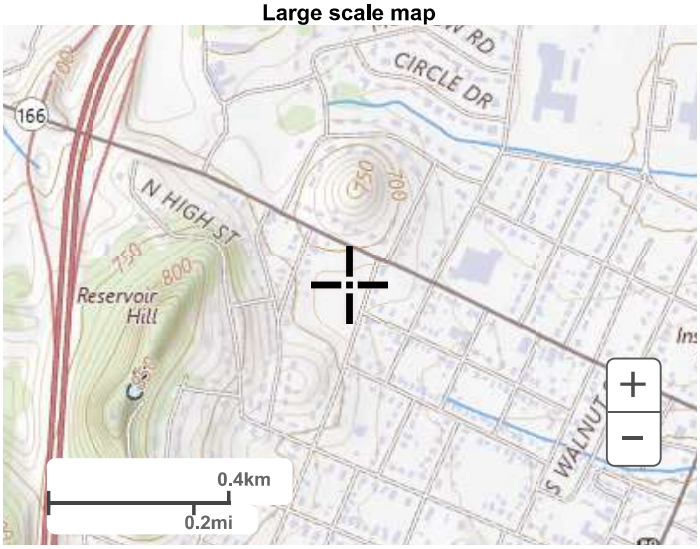
Small scale terrain



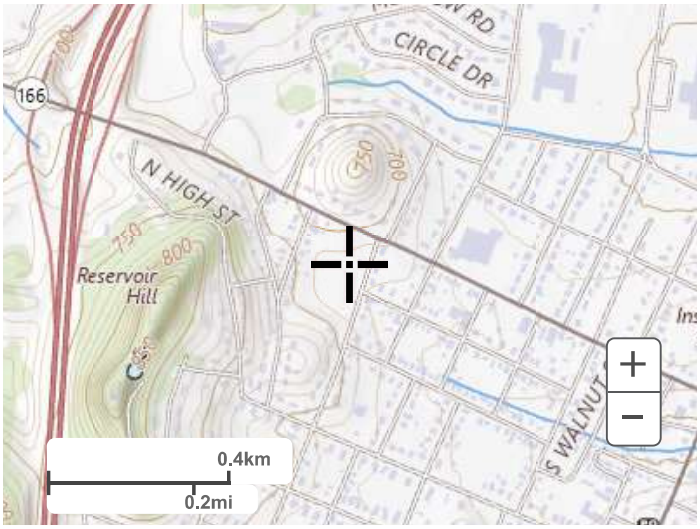
Large scale terrain



Large scale map



Large scale aerial



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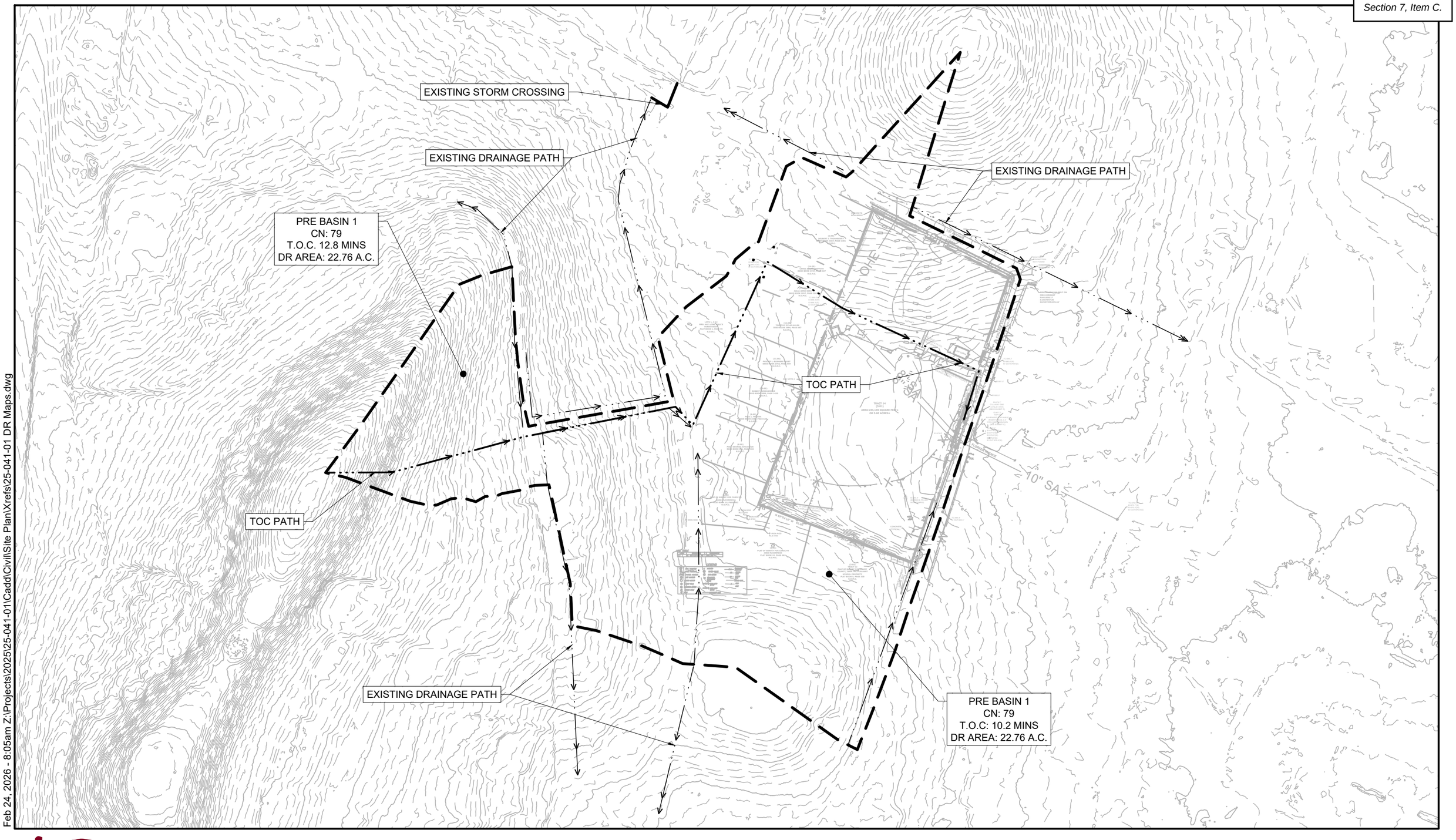
US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

DRAINAGE MAPS



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HERITAGE CIVIL

Mt. Pleasant Library

PRE BASIN

D:02-26-2026

N

0 200 4

SCALE: 1"=200'

Pre Basin 1			
Shade	Soil Type	CN	Area (A.C.)
	A	49	1.08
	B	69	3.77
	C	79	11.08
	D	84	3.76
	IMPERVIOUS /ROCKLAND	98	3.07
	AVG CN:	79	22.76

PRE BASIN 1
CN: 79
T.O.C. 12.8 MINS
DR AREA: 22.76 A.C.

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HERITAGE CIVIL

Mt. Pleasant Library

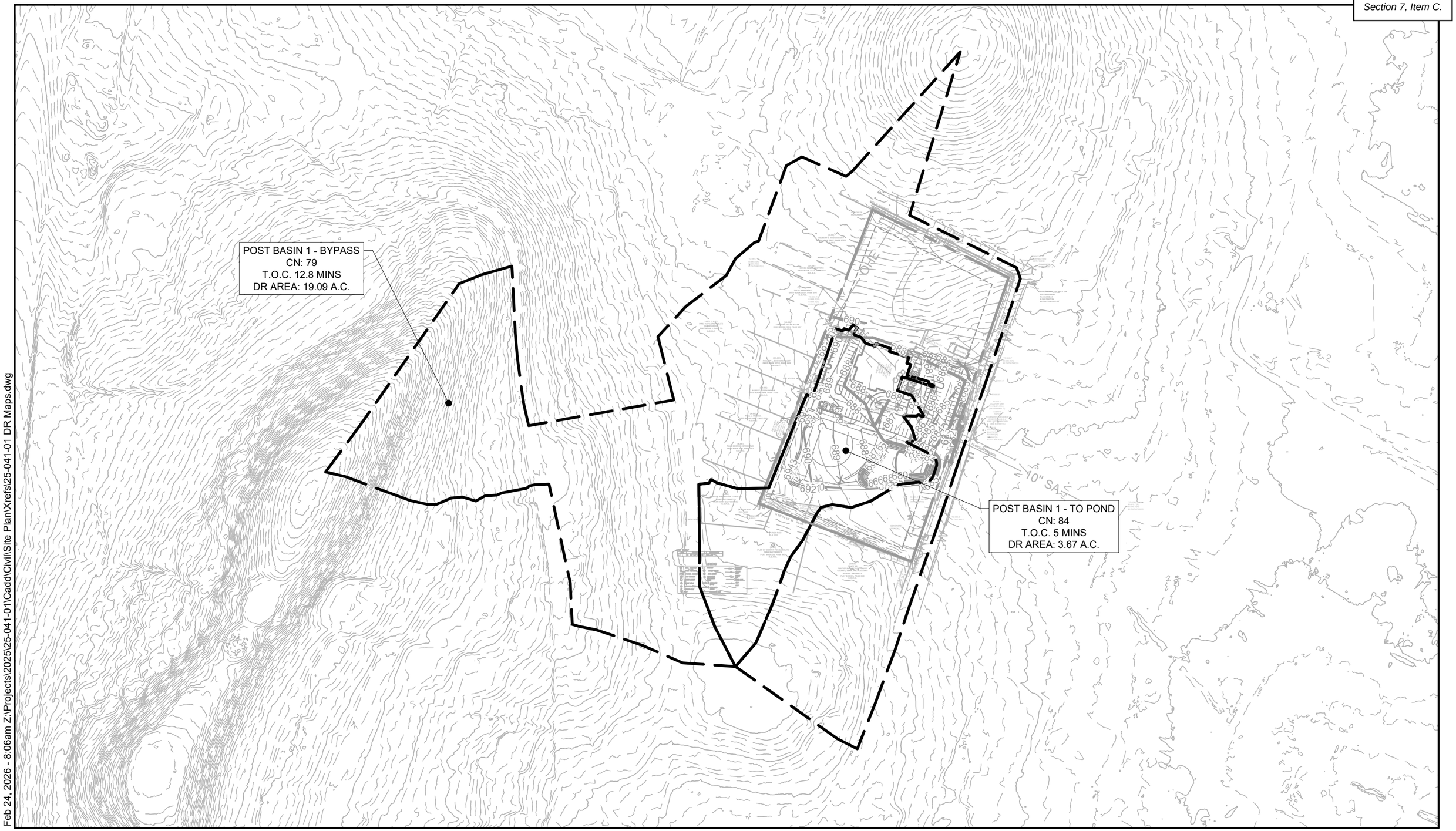
PRE DEVELOPED SOILS

D:02-26-2026

N

0 200 400

SCALE: 1"=200'



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HERITAGE CIVIL

Mt. Pleasant Library

POST BASIN

D:02-26-2026

N

0 200 4

SCALE: 1"=200'

Post Basin 1 - Bypass			
Shade	Soil Type	CN	Area (A.C.)
	A	49	1.08
	B	69	3.77
	C	79	8.81
	D	84	1.94
	IMPERVIOUS /ROCKLAND	98	3.49
	AVG CN:	79	19.09

Post Basin 1 - To Pond			
Shade	Soil Type	CN	Area (A.C.)
	A	49	0
	B	69	0
	C	79	2.13
	D	84	0.7
	IMPERVIOUS /ROCKLAND	98	0.84
	AVG CN:	84	3.67

POST BASIN 1 - BYPASS
CN: 79
T.O.C. 12.8 MINS
DR AREA: 19.09 A.C.

POST BASIN 1 - TO POND
CN: 84
T.O.C. 5 MINS
DR AREA: 3.67 A.C.

BYPASS - 19.09 A.C.
TO POND - 3.67 A.C.
TOTAL - 22.76 A.C.

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HERITAGE CIVIL

Mt. Pleasant Library

POST DEVELOPED SOILS

D: 02-26-2026

N

0 200 400

SCALE: 1"=200'

February 26, 2026

Mr. Chris Brooks
City of Mount Pleasant Planning Department
Building & Planning Director
209 Bond Street
Mount Pleasant, TN 38474

Mount Pleasant Library
Site Plan
301 N. College St
Mount Pleasant, TN 38474

Dear Mr. Brooks,

On behalf of our client, we respectfully request your approval and positive recommendation to the planning commission for the **Mount Pleasant Library** project.

We have addressed the comments received as follows:

Planning Comments:

1. Is it possible to extend the sidewalk that currently ends at intersection of N. College and 1st Avenue?
   RESPONSE (2026-02-26): SIDEWALK ALONG THE N. COLLEGE STREET FRONTAGE WAS NOT INCLUDED IN THE PROJECT SCOPE APPROVED BY THE COUNTY COMMISSION, AND THEREFORE NOT INCLUDED IN THE APPROVED PROJECT BUDGET.
2. Submit a photometric plan in accordance with section 11.3 (Outdoor Lighting) of the zoning ordinance.
   RESPONSE (2026-02-26): PHOTOMETRIC PLAN INCLUDED WITH RESUBMITTAL.
3. Detention and retention ponds. Detention and retention ponds shall be landscaped with trees, shrubs, and turf. Detention ponds shall be considered a service area, and shall be screened from public view. Back slopes steeper than 4:1 exposed to public streets shall be screened with trees and shrubs.
   RESPONSE (2026-02-26): ADDITIONAL PLANTINGS ADDED TO DETENTION POND AREA TO COMPLY.
4. Structures (such as headwalls and weirs) within ponds located in front and side yards adjacent to public streets shall be faced with brick or stone. Slopes exceeding 3:1 shall be vegetated with plants that do not require frequent mowing.
   RESPONSE (2026-02-26):STRUCTURES IN THE FRONT AND SIDE YARDS ADJACENT TO PUBLIC STREETS HAVE BEEN LABELED ON C3.00 TO BE FACED WITH BRICK OR STONE.
5. Groundcovers used for this purpose shall be planted with sufficiently tight spacing to provide 100 percent coverage within the first year.
   RESPONSE (2026-02-26): UNDERSTOOD, PLAN IS IN COMPLIANCE.

City Staff Comments:

1. Will the sewer line to the south (concession stand) be relocated.
   RESPONSE (2026-02-26): CONCESSION BUILDING IS PROPOSED TO BE REMOVED AS PART OF THIS PROJECT. ALL SEWER LINES TO BE ABANDONED/REMOVE IN ACCORDANCE WITH SHEET C1.00.
2. Can the public sewer be rerouted out of the parking lot.
   RESPONSE (2026-02-26):PUBLIC SEWER HAS BEEN REROUTED OUT OF THE PARKING LOT, SEE SHEET C4.00.
3. A plan on how the public sewer will be bypassed when new line is installed.
   RESPONSE (2026-02-26): BYPASS PUMPING WILL BE COORDINATED WITH CITY STAFF WITH SELECTED CONTRACTOR DURING SEWER PRECONSTRUCTION MEETING TO ENSURE SERVICE IS INTERRUPTED TO CUSTOMERS USING EXISTING LINE.
4. How will the ballfield bathrooms be tied into a sewer line, it looks as though on the plan it ends at a 2-inch water line.
   RESPONSE (2026-02-26): BALLFIELD BATHROOM WAS NOT INCLUDED IN THE PROJECT SCOPE APPROVED BY THE COUNTY COMMISSION, AND THEREFORE NOT INCLUDED IN THE APPROVED PROJECT BUDGET, PENDING FINAL PROJECT BUDGET, BALLFIELD BATHROOMS WILL BE CONSTRUCTED AND WILL BE ADDRESSED AS THE BUDGET ALLOWS.

IF CONSTRUCTED, THE SERVICE LINE WILL BE AS SHOWN ON C4.00. SYMBOLOGY UPDATED TO BE MORE CLEAR FOR SEWER SERVICE ENTERING BUILDING.

5. Add the ballfield light poles.
   RESPONSE (2026-02-26): LIGHTING FOR THE PRACTICE BALLFIELD WAS NOT INCLUDED IN THE PROJECT SCOPE APPROVED BY THE COUNTY COMMISSION, AND THEREFORE NOT INCLUDED IN THE APPROVED PROJECT BUDGET. PENDING FINAL BUILDING BUDGET, THIS ITEM WILL BE ADDRESSED IN THE FUTURE IF THE BUDGET ALLOWS.

Fire Marshall Review Comments:

1. Occupancy Classification
   a. The proposed facility functions as a public library, classified as Group A-3 (Assembly).
      RESPONSE (2026-02-26): UNDERSTOOD.
   b. Ancillary spaces shown on the plans (staff offices, support areas, storage) appear accessory to the main occupancy and acceptable at this stage.
      RESPONSE (2026-02-26): UNDERSTOOD.
   c. Final occupant load calculations shall be verified at building permit, particularly for any designated meeting or community room areas shown on the plans.
      RESPONSE (2026-02-26): UNDERSTOOD.
2. Fire Apparatus Access
   a. Fire department access is shown from the primary public street serving the site and is acceptable in concept.
      RESPONSE (2026-02-26): UNDERSTOOD.
   b. The site plan does not clearly indicated a designated fire apparatus access road meeting IFC Section 503 requirements.
      RESPONSE (2026-02-26): FIRE APPARATUS TURNING TEMPLATE ADDED TO PLAN SET, C6.00, WHICH SHOWS ADEQUATE MANEUVERING SPACE THROUGHOUT THE SITE.
   c. Prior to civil/site plan approval the following shall be demonstrated:
      i. Minimum 20-foot unobstructed width
         RESPONSE (2026-02-26): PLEASE SEE PLAN SHEETS C2.00 & C6.00 FOR WIDTH OF DRIVES, ALL DRIVES PROPOSED TO BE 24 FT WIDE (FACE OF CURB TO FACE OF CURB).
      ii. Approved turning radii for fire apparatus (also to be shown on site plan)
         RESPONSE (2026-02-26): FIRE APPARATUS TURNING TEMPLATE ADDED TO PLAN SET, C6.00, WHICH SHOWS ADEQUATE MANEUVERING SPACE THROUGHOUT THE SITE. INTERNAL RADII LABELED ON C2.00 & C6.00.
      iii. Vertical clearance of 13 feet 6 inches.
         RESPONSE (2026-02-26): VERTICAL CLEARANCE OF 13’ 6” PROVIDED AROUND THE ENTIRE SITE.
   d. Fire lane designation and marking details shall be provided during the next phase of review.
      RESPONSE (2026-02-26): UNDERSTOOD, DEVELOPER AND ENGINEER WILL CONTINUE TO WORK WITH FRIE MARSHAL TO DETERMINE IS ANY SITE SPECIFIC FIRE LAN DESIGNATION OR MARKINGS ARE NEEDED.
3. Fire Hydrants/Water Supply
   a. Hydrant placement and spacing shall comply with IFC Section 507 and local utility standards.
      RESPONSE (2026-02-26): UNDERSTOOD, PLAN IS IN COMPLIANCE.
   b. A fire hydrant is not required by code at this stage; however, an on-site hydrant is strongly recommended to improve fire department operations.
      RESPONSE (2026-02-26): NEAREST FIRE HYDRANT IS AT THE ENTRANCE OF THE SITE AT THE SOUTHERN CORNER OF N COLLEGE ST AND FLORIDA AVE, NOTATIONS ADDED TO C2.00 AND C4.00.
   c. Fire flow availability shall be confirmed prior to building permit approval.
      RESPONSE (2026-02-26): UNDERSTOOD.
4. Fire Department Building Access
   a. The primary building entrance is clearly identified and faces the public access drive, which is acceptable for fire department operations.
      RESPONSE (2026-02-26): UNDERSTOOD.

b. A Knox Box key system even though not required is highly recommended for fire department access. Final Knox Box location to be coordinated with the Fire Marshall.
RESPONSE (2026-02-26): UNDERSTOOD, KNOX BOX TO BE COORDINATED WITH FINAL BUILDING PERMIT SUBMITTAL.

5. Means of Egress
   a. The plans indicate multiple exterior exit doors distributed around the building perimeter.
   RESPONSE (2026-02-26): UNDERSTOOD.
   b. Exit access arrangement appears acceptable at a planning level; however:
      i. Final exit count, exit width, and travel distance compliance shall be verified during building permit review.
      RESPONSE (2026-02-26): UNDERSTOOD.
      ii. Any assembly or meeting room areas shall be reviewed independently for occupant load and egress capacity.
      RESPONSE (2026-02-26): UNDERSTOOD.
6. Fire Alarm System
   a. Based on occupancy and use, a manual fire alarm system may be required in accordance with IFC Section 907.
   RESPONSE (2026-02-26): UNDERSTOOD, WILL BE COORDINATED WITH FINAL BUILDING PERMIT SUBMITTAL.
   b. Final determination and system design shall occur at building permit review.
   RESPONSE (2026-02-26): UNDERSTOOD.
7. Automatic Sprinkler System/FDC
   a. An automatic sprinkler system is not required because of the following conditions.
      i. The fire area is less than 12,000 sq. ft.
      ii. Occupant load is less than 300
   RESPONSE (2026-02-26): UNDERSTOOD.
8. Addressing
   a. Building addressing is not shown on the plans.
   RESPONSE (2026-02-26): ADDRESS HAS BEEN REQUESTED FROM MAURY COUNTY 911 AND WILL BE ADDED TO PLANS PRIOR TO FINAL BUILDING PERMIT SUBMITTAL.
   b. Address numbers shall be provided in compliance with IFC Section 505, visible from the public roadway.
   RESPONSE (2026-02-26): UNDERSTOOD, ADDRESS NUMBERING TO BE ADDED TO PLAN PRIOR TO FINAL BUILDING PERMIT SUBMITTAL.
9. Future Fire Marshal Review
   a. Fire Marshal approval is required at the building permit stage for:
      i. Final site access and fire lane layout
      ii. Hydrant locations and fire flow
      iii. Egress and occupant load verification
      iv. Fire alarm system requirements
   RESPONSE (2026-02-26): UNDERSTOOD, DEVELOPER AND ENGINEER WILL CONTINUE TO WORK WITH FIRE MARSHAL DURING FINAL BUILDING PERMIT SUBMITTAL.

Civil & Environmental Consultants, Inc. (CEC) Comments:

1. Please provide a response letter stating how the comments were addressed and where they were addressed. Be specific where the comments were addressed by providing page numbers, note numbers, and/or references to specific locations in the calculations. This will allow the review engineer to evaluate the resubmittal more efficiently.
   RESPONSE (2026-02-26): UNDERSTOOD, PROVIDED.
2. Prior to Land Disturbance Permit being issued the applicant should be required to address Comments 3 through 9 below.
   RESPONSE (2026-02-26): UNDERSTOOD.
3. Please provide a TDEC CGP Notice of Intent/ Notice of Coverage/SWPPP as more than one acre is to be disturbed.
   RESPONSE (2026-02-26): UNDERSTOOD, TDEC NOC TO BE PROVIDED PRIOR TO GRADING PERMIT SUBMITTAL.

4. Please include all design sheets in the Sheet Index (C5.02 Civil Details sheet is missing).
   RESPONSE (2026-02-26): C5.02 CIVIL DETAILS ADDED TO SHEET INDEX ON SHEET C0.00.
5. Please call out if the existing 18" storm pipe under the proposed parking lot is to be demolished or remain in place.
   RESPONSE (2026-02-26): EXISTING 18" RCP UNDER PROPOSED PARKING LOT IS TO BE REMOVED. NOTATION AND HATCHING ON C1.00 REVISED TO SHOW STORM PIPE TO BE REMOVED.
6. Please call out utility conflict elevations (existing sanitary sewer between C6-C7 Storm Sewer, existing 18" storm pipe and C6-C7 Storm Sewer)
   RESPONSE (2026-02-26): EXISTING SANITARY SEWER SERVICE AND EXISTING 18" RCP TO BE REMOVED. DEMO HATCHING ON C1.00 REVISED TO SHOW SEWER SERVICE AND STORM PIPE TO BE REMOVED.
7. What will prevent clogging of 3" orifice on the detention pond outlet structure in final conditions?
   RESPONSE (2026-02-26): INTERNAL THREADED CAP ADDED TO ALLOW CLEANING OF ORIFICE PIPE AND ZURN GRATE ADDED ON THE EXTERIOR TO PREVENT LARGE DEBRIS FROM ENTERING ORIFICE PIPE. OUTLET STRUCTURE DETAIL REVISED, SEE C5.02.
8. Drainage Report Comments:
   a. Please update the precipitation used for the stormwater calculations as it appears to be less than what is currently shown for Mount Pleasant on NOAA Atlas 14.
      RESPONSE (2026-02-26): IT HAS BEEN CONFIRMED THAT PRECIPITATION INTENSITY DATA ON BOTH STORM SEWERS AND HYDROGRAPHS MATCHES WHAT APPEARS ON NOAA ATLAS 14 FOR 301 N. COLLEGE STREET, MOUNT PLEASANT, TN 38474. SEE PRECIPITATION DATA ON PAGES 15-19 (STORM) & 65-73 (DETENTION) OF THE DRAINAGE REPORT.
   b. Sheet flow should be limited to 100'.
      RESPONSE (2026-02-26): SHEET FLOW REDUCED TO 100'. SEE PAGE 28 OF THE DRAINAGE REPORT.
   c. There should be no direct connections to the City's stormwater system. The ditch along the south property line should be maintained as an open channel.
      RESPONSE (2026-02-26): UNDERSTOOD, STORM REVISED TO RELEASE FROM A HEADWALL INTO CITY'S STORMWATER SYSTEM. SEE STORM CALCS (PAGES 11-14 OF THE DRAINAGE REPORT) AND C3.00 FOR REVISED STORM SYSTEM LAYOUT.
   d. Flow captured by C10 is within the right-of-way and should remain in the right-of-way. Please revise.
      RESPONSE (2026-02-26): UNDERSTOOD, STRUCTURE C10 REMOVED AND DITCH REGRADED TO ENSURE FLOW WITHIN THE RIGHT-OF-WAY STAYS WITHIN THE RIGHT-OF-WAY. SEE STORM CALCS (PAGES 11-14 OF THE DRAINAGE REPORT) AND C3.00 FOR REVISED STORM SYSTEM LAYOUT.
   e. According to the modeling, Catch Basin C5 shows 46' of spread. Additionally, flow captured by C5 is within the right-of-way and should remain in the right-of way. An appropriately sized culvert should be placed under the driveway connection and coordination with public works will be required for construction.
      RESPONSE (2026-02-26): UNDERSTOOD, CONFIGURATION OF STORM AROUND RIGHT-OF-WAY RECONFIGURED TO INCLUDE APPROPRIATELY SIZED CULVERT UNDER DRIVEWAY. ALL DRAINAGE AREA ORIGINALLY GOING TO C5 IS NOW BEING DIRECTED TO HEADWALL D2. TO DRAIN SMALL CORNER SOUTH OF THE PROPOSED ENTRANCE, D1 WAS ADDED IN THE LOCATION OF C5, WHICH PROVIDES FOR A REDUCED GUTTER SPREAD. SEE STORM CALCS (PAGES 11-14 OF THE DRAINAGE REPORT) AND C3.00 FOR REVISED STORM SYSTEM LAYOUT.
   f. Please provide a Pond Report for each design storm event to include the stage, storage, and discharge table.
      RESPONSE (2026-02-26): PLEASE SEE HYDROGRAPH SUMMARY REPORTS ON THE PAGES BELOW FOR ANALYSIS OF THE STORM EVENTS INCLUDING TOTAL STORAGE USED, MAX ELEVATION, AND DISCHARGE. (ALL ITEMS HAVE BEEN HIGHLIGHTED.)
      2-YEAR – PAGE 26 OF THE DRAINAGE REPORT
      5-YEAR – PAGE 35 OF THE DRAINAGE REPORT
      10-YEAR - PAGE 41 OF THE DRAINAGE REPORT
      25-YEAR – PAGE 47 OF THE DRAINAGE REPORT
      50-YEAR – PAGE 53 OF THE DRAINAGE REPORT

100-YEAR – PAGE 59 OF THE DRAINAGE REPORT

9. EPSC Plan Comments:
    a. Please show all EPSC measures within the limits of disturbance.
    RESPONSE (2026-02-26): UNDERSTOOD, LIMITS OF DISTURBANCE HAVE BEEN REVISED TO INCLUDE ALL EPSC MEASURES. SEE SHEETS C3.01-C3.03.
    b. Due to the site being located in a watershed with waters with unavailable parameters for sedimentation and greater than 5 acres draining through the limits of disturbance, please adhere to the CGP requirements (a sediment basin/trap is required, or alternatively, off site run-on can be routed to bypass). Please provide stage sequencing notes.
    RESPONSE (2026-02-26): UNDERSTOOD, BYPASS SWALE ADDED/PROVIDED IN STAGE 1 TO BYPASS OFFSITE WATER. SEE SHEET C3.01.
    c. Please specify wire backed silt fence or redesign the EPSC measures as standard silt fence is inadequate as currently shown on the plans.
    RESPONSE (2026-02-26): UNDERSTOOD, SILT-FENCE SHALL BE WIRE BACKED. DETAIL ON C3.04 HAS BEEN UPDATED TO REFLECT THAT AND NOTES HAVE BEEN ADDED TO CLARIFY THAT ON SHEETS C3.01 & C3.02.

Mount Pleasant Power System Comments:

1) We have a pole at the entrance across from Florida Ave., it appears that we are close to the back of the curb with that pole. Will it be in conflict or will it be far enough over to remain where it is? (we would like to have some space between the back of the curb and the pole if possible).
RESPONSE (2026-02-26): ENTRANCE DESIGNED TO ALIGN WITH FLORIDA AVENUE AND TO AVOID CONFLICT WITH EXISTING POLE. AS SHOWN, THERE WILL BE 2.5 FT FROM BACK OF CURB TO EXISTING POLE.

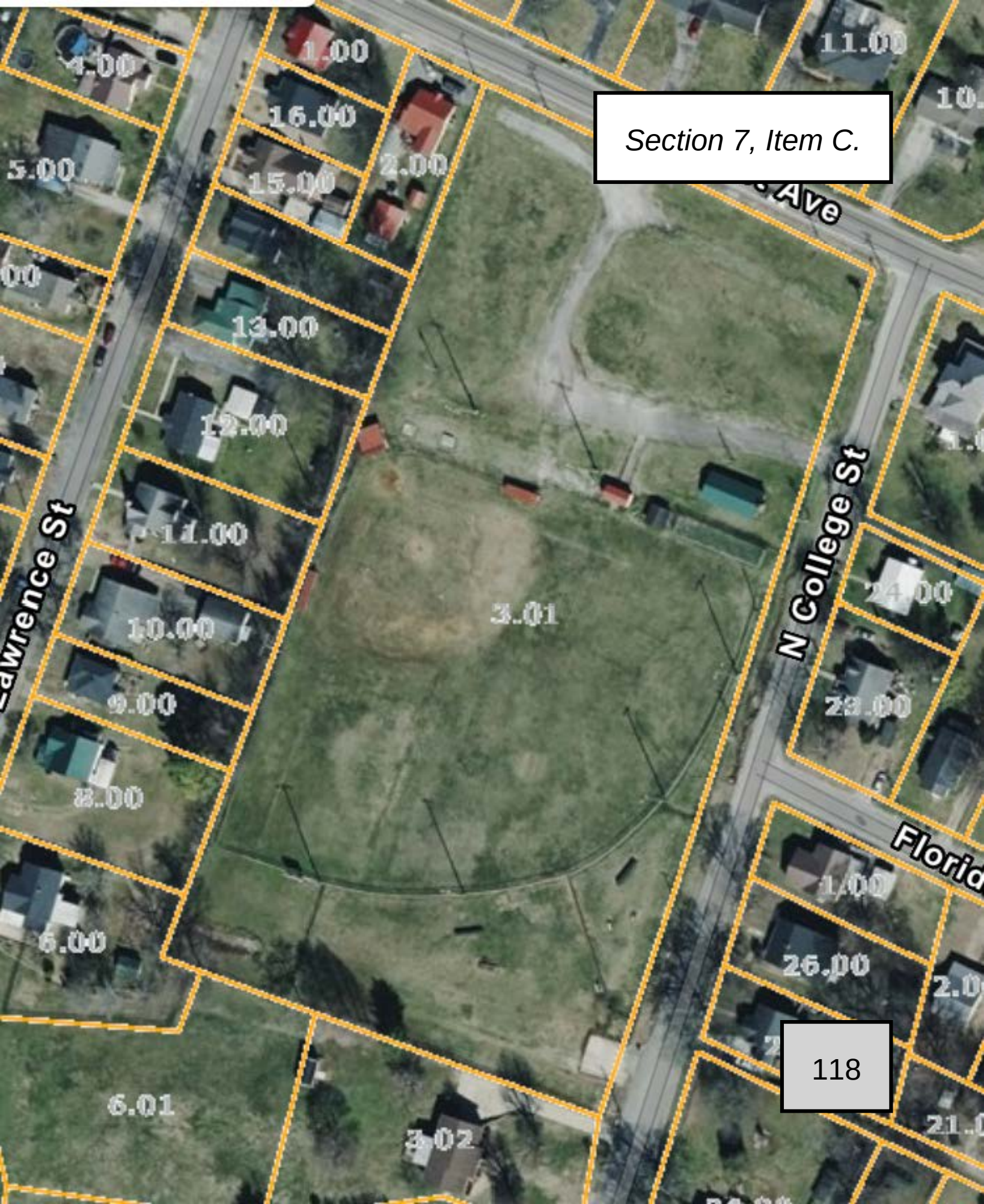
2) I didn't see any meter base locations unless I overlooked them, it would be great if we could serve them electrically anywhere on the First Avenue side of the building. (we could remove and intercept the existing line and feed them with an underground service from the grassy area on the First avenue side).
RESPONSE (2026-02-26): UNDERSTOOD, ARCHITECT AND ELECTRICAL ENGINEER WILL CONTINUE DISCUSSIONS WITH MOUNT PLEASANT POWER SYSTEMS AS THEY FINALIZE THEIR INTERNAL BUILDING DESIGN.

3) When the softball field is shifted over and the proposed restroom is installed, what is their plan for getting power to those facilities? We are limited with the trees on the backside of the properties on Lawrence Street. We could come off North College but that would require a new pole line paralleling the dog park fence.
RESPONSE (2026-02-26): UNDERSTOOD, ARCHITECT AND ELECTRICAL ENGINEER WILL CONTINUE DISCUSSIONS WITH MOUNT PLEASANT POWER SYSTEMS AS THEY FINALIZE THEIR INTERNAL BUILDING DESIGN.

We respectfully request that this project be placed on the **March 10, 2026** agenda of the Mount Pleasant Municipal Planning Commission meeting for consideration. If you need any additional information, please do not hesitate to contact me. Thank you for your assistance with this project.

Respectfully Submitted
Heritage Civil, PLLC,

Joe Haddix, P.E.
Heritage Civil No. 25-041-01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