Planning & Zoning Board Meeting

June 26, 2025 at 6:00 PM
Howey-in the-Hills Town Hall
101 N. Palm Ave.,
Howey-in-the-Hills, FL 34737

Join Zoom Meeting: https://us06web.zoom.us/j/85992980874?pwd=mBH9Kali2b1StTEr3MaalcbjscuyHp.1
Meeting ID: 859 9298 0874 | **Passcode:** 852401

AGENDA

BOARD CHAIR CALLS THE MEETING TO ORDER
PLEDGE OF ALLEGIANCE
ROLL CALL

CONSENT AGENDA
Routine items are placed on the Consent Agenda to expedite the meeting. If a Planning & Zoning Board Member wishes to discuss any item, the procedure is as follows: (1) Pull the item(s) from the Consent Agenda; (2) Vote on the remaining item(s); and (3) Discuss each pulled item and vote.

1. Consideration and Approval of the May 29, 2025, Planning and Zoning Board Meeting minutes.

PUBLIC HEARING

2. Consideration and Recommendation: **Mission Rise Preliminary Subdivision Plan Submittal**

OLD BUSINESS

NEW BUSINESS

PUBLIC COMMENTS
Any person wishing to address the Planning and Zoning Board and who is not on the agenda is asked to speak their name and address. Three (3) minutes is allocated per speaker. The general Public Question & Comment period will be limited to a maximum of thirty (30) minutes unless extended by the Presiding Officer.

BOARD COMMENTS

ADJOURNMENT

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

Qualified individuals may get assistance through the Florida Relay Service by dialing 7-1-1. Florida Relay is a

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

NOTICE: ONE OR MORE COUNCILORS MAY BE PRESENT TO HEAR OR PARTICIPATE IN DISCUSSION REGARDING MATTERS WHICH MAY COME BEFORE TOWN COUNCIL FOR ACTION.

Howey Town Hall is inviting you to a scheduled Zoom meeting.
Topic: **Planning & Zoning Board Meeting**
Time: **Jun 26, 2025 06:00 PM Eastern Time** (US and Canada)
Join Zoom Meeting
https://us06web.zoom.us/j/85992980874?pwd=mBH9Kali2b1StTEr3MaalcbjscuyHp.1
Meeting ID: 859 9298 0874
Passcode: 852401

Dial by your location
+1 646 558 8656 US (New York)
+1 720 707 2699 US (Denver)
+1 346 248 7799 US (Houston)
Meeting ID: 859 9298 0874
Passcode: 852401
Find your local number: https://us06web.zoom.us/u/kenuj89bUT

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

Planning & Zoning Board Meeting

May 29, 2025 at 6:00 PM
Howey-in the-Hills Town Hall
101 N. Palm Ave.,
Howey-in-the-Hills, FL 34737

DRAFT

MINUTES

Board Chair Tina St. Clair called the meeting to Order at 6:02 PM.
Board Chair Tina St. Clair led the attendees in the Pledge of Allegiance to the Flag

ROLL CALL

MEMBERS PRESENT:
Board Member Joshua Husemann | Board Member Alan Hayes | Board Member Richard Mulvany | Vice Chair Frances Wagler | Board Member Erick Bright | Board Member Paul Johns | Chair Tina St. Clair

STAFF PRESENT:
Sean Parks, Town Planner | John Brock, Deputy Town Manager / Town Clerk

CONSENT AGENDA
Routine items are placed on the Consent Agenda to expedite the meeting. If a Planning & Zoning Board Member wishes to discuss any item, the procedure is as follows: (1) Pull the item(s) from the Consent Agenda; (2) Vote on the remaining item(s); and (3) Discuss each pulled item and vote.

1. Consideration and Approval of the April 24, 2025, Planning and Zoning Board Meeting minutes.

Motion made by Board Member Husemann to approve the Consent Agenda; seconded by Board Member Johns. Motion approved unanimously by voice vote.

Voting
Yea: Board Member Husemann, Board Member Hayes, Board Member Mulvany, Vice Chair Wagler, Board Member Bright, Board Member Johns, Chair St. Clair
Nay: None

PUBLIC HEARING

2. Consideration and Recommendation: **Esch Veterinary Office Preliminary Site Plan (PSP) Submittal**

   Town Clerk, John Brock, began by reading the staff report for the Esch Veterinary Preliminary Site Plan on behalf of Town Planner, Sean Parks, who was delayed due to weather. The applicant, Z Development Services, had previously received a conditional use permit for the property, which is zoned Neighborhood Commercial. The staff report outlined that all standard zoning requirements had been

met, including setbacks, height, parking, and impervious surface limits. The applicant also responded to concerns regarding storefront window coverage, requesting a waiver for the west and north elevations, which staff supported under certain conditions involving architectural articulation.

Mr. Parks arrived shortly thereafter and continued reviewing technical comments, including revisions needed to the dumpster enclosure height, landscaping details, architectural massing on certain elevations, and clarification on roofing materials. He noted the applicant had revised the plans to incorporate asphalt shingles in lieu of metal roofing and would provide final landscaping, tree mitigation, and lighting plans during final site plan submission. He also stated the accessible parking spaces must be relocated to avoid requiring individuals to cross a drive aisle, and crosswalk materials would be upgraded for visibility.

Mr. Parks concluded with a staff recommendation to approve the preliminary site plan with six conditions. Those conditions were:

1. Allow a waiver from the 50% storefront window provision for the West and North elevations, as they do not function as primary or secondary façade entrances nor do they abut right-of-way, with the condition that the West and North elevations add the massing/articulation detail of awnings over the doors located on each of these elevations and incorporate the required second massing technique, such as building wall offsets on these two elevations;
2. Revise the dumpster enclosure height on Sheet A0-3 to show a 6-foot-high wall on the enclosure elevations. The landscaping details also need to be provided, compliant with LDC Sec. 7.04.03 (B) at Final Site Plan;
3. Provide a landscape, hardscape, and buffer Plan at Final Site Plan that complies with Chapter 7;
4. Provide a tree mitigation plan including the required replacement data, and tree protection detail at Final Site Plan that complies with LDC Chapter 7;
5. The accessible parking spaces are to be relocated directly adjacent to the building so that people who need to use these spaces do not have to cross a drive isle to get to the building;
6. A lighting/photometric plan will be provided at Final Site Plan

Applicant representative, Rick Krietemeyer, of Z Development Services addressed the Board, explaining that site topography presented a hardship that necessitated significant fill and retaining walls, making tree preservation infeasible. He confirmed that landscaping would be used throughout the site and tree mitigation would follow the required calculations.

Board Member Hayes asked for clarification about the inclusion of kennels. Mr. Krietemeyer and Mr. Parks confirmed that all kennels would be indoors, with no exterior access, as previously discussed. Mr. Hayes also confirmed understanding of the tree removal plan and its mitigation requirements.

Following these discussions and with no public comment received, Board Chair St. Clair invited a formal recommendation from the Board.

Motion made by Board Member Husemann to recommend the Esch Veterinary Office Preliminary Site Plan (PSP) Submittal to the Town Council with the 6 conditions that the Town Planner had recommended; seconded by Board Member Hayes. Motion approved unanimously by roll call vote.

Voting
Yea: Board Member Husemann, Board Member Hayes, Board Member Mulvany, Vice Chair Wagler, Board Member Bright, Board Member Johns, Chair St. Clair
Nay: None

3. Consideration and Recommendation: **Ordinance 2025-003 - EAR Comprehensive Plan Amendment**

DRAFT

Board Chair St. Clair read Ordinance 2025-003 out loud by title only:

AN ORDINANCE OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA, AMENDING THE TOWN'S COMPREHENSIVE PLAN, AS ADOPTED BY ORDINANCE NO. 2024-09, BASED ON THE EVALUATION AND APPRAISAL OF THE TOWN'S COMPREHENSIVE PLAN PURSUANT TO SECTION 163.3191, FLORIDA STATUTES; AMENDING AND UPDATING THE FUTURE LAND USE ELEMENT, TRANSPORTATION ELEMENT, HOUSING ELEMENT, PUBLIC FACILITIES ELEMENT, CONSERVATION ELEMENT, RECREATION AND OPEN SPACE ELEMENT, INTERGOVERNMENTAL COORDINATION ELEMENT, CAPITAL IMPROVEMENTS ELEMENT, CONCURRENCY MANAGEMENT ELEMENT, PUBLIC SCHOOL ELEMENT, PROPERTY RIGHTS ELEMENT, AND DEFINITIONS; AUTHORIZING TRANSMITTAL TO THE FLORIDA COMMERCE DEPARTMENT; PROVIDING FOR CODIFICATION, SEVERABILITY, AND AN EFFECTIVE DATE.

The Planning and Zoning Board next considered Ordinance 2025-003, which pertains to the Evaluation and Appraisal Report (EAR) based amendments to the Town of Howey-in-the-Hills Comprehensive Plan. Town Planner, Sean Parks, emphasized the importance of the Comprehensive Plan and explained the statutory requirement for periodic updates via the EAR process. He noted that the Town had notified the Florida Department of Commerce in August 2024 of its intent to amend the plan and that the final submission was due by August 28, 2025. Mr. Parks acknowledged the significant effort by staff and the Board in reviewing the proposed amendments, which were included in the meeting packet. While he refrained from reading the full redlined amendments aloud, he confirmed staff's recommendation to adopt the ordinance.

Town Clerk, John Brock, noted that the content had been reviewed at the prior meeting. With no questions or comments from the Board or the public, Board Member Johns moved to recommend approval of the EAR amendments as written to the Town Council. The motion was seconded by Board Member Hayes, and the matter proceeded to a vote.

Motion made by Board Member Johns to recommend Ordinance 2025-003 to the Town Council as written; seconded by Board Member Hayes. Motion approved unanimously by roll call vote.

Voting
Yea: Board Member Husemann, Board Member Hayes, Board Member Mulvany, Vice Chair Wagler, Board Member Bright, Board Member Johns, Chair St. Clair
Nay: None

OLD BUSINESS

None

NEW BUSINESS

None

PUBLIC COMMENTS

Any person wishing to address the Planning and Zoning Board and who is not on the agenda is asked to speak their name and address. Three (3) minutes is allocated per speaker. The general Public Question & Comment period will be limited to a maximum of thirty (30) minutes unless extended by the Presiding Officer.

None

BOARD COMMENTS

DRAFT

None

ADJOURNMENT

There being no further business to discuss, a motion was made by Board Member Husemann to adjourn the meeting; Board Member Mulvany seconded the motion. Motion was approved unanimously by voice vote.

The Meeting adjourned at 6:26 p.m. | **Attendees: 14**

_____

Tina St. Clair, Chairperson

ATTEST:

_____

John Brock, Town Clerk

DRAFT

ZONING MEMORANDUM

June 23, 2025
Prepared for
Town of Howey-in-the-Hills
Attn: Sean O'Keefe, Town Manager

Mission Rise: Pre-Application Subdivision Plan Review Comments

Applicant: ASF TAP FL I LLC c/o Jason Humm

Planning staff reviewed the proposed Mission Rise Preliminary Subdivision Plan. All review comments have been addressed as identified below. Additional information is provided to help the applicant prepare for the Final Subdivision Plan review stage regarding requirements for tree replacement.

Staff Recommendation: Recommend approval of the Mission Rise Preliminary Subdivision Plan.

1. The Plan shows phasing consistent with the Mission Rise PUD Development Agreement dated September 4, 2024 and recorded in Lake County Official Records OR Book 6406, Page 1267.
2. Lot widths meet the minimum applicable standards.
3. The Plan shows the acreage of each amenity tract and the access restrictions consistent with the Mission Rise PUD Development Agreement dated September 4, 2024 and recorded in Lake County Official Records OR Book 6406, Page 1267.
4. The Plan demonstrates compliance with Open Space calculations that were in effect at the time the PUD was approved and recorded.
5. The proposed buffers are consistent with Mission Rise PUD Development Agreement dated September 4, 2024 and recorded in Lake County Official Records OR Book 6406, Page 1267.
6. All amenities are called out and listed on the Amenity Tract.
7. A copy of the application for concurrency review submitted to the School District has been provided. Subsequent communication with the Lake County School District as concurrency requirements will be provided as it occurs.

Information for Final Subdivision Plan Preparation

Please note that Landscaping, hardscaping, and irrigation plans are required to be submitted with Final Site Plans and Final Subdivision Plans. These plans shall

be signed and sealed by a licensed landscape architect registered in the State of Florida. The Land Development Code (LDC) Chapter 7 provides the requirements for landscaping, hardscaping, and irrigation. This also includes tree replacements plans and will need to detail the following at that time:

a. Based on the Tree Removal Table (Sheet C211) it appears that 4652.8 feet of trees are to be removed. Please provide the total number of trees on site and any replacement data consistent with the Land Development Code (LDC). Please revise the Table to indicate which are Specimen Trees and which are Heritage Trees and provide the replacement data in concert with the LDC. LDC Section 7.11.03 requires 50% of all specimen trees be preserved on a parcel. LDC Section 7.11.02 requires protection of all Historic Trees unless one of the following conditions is met:

    i. The tree is not suitable for preservation as determined by a certified arborist.
    ii. The tree is a threat to a principal structure or otherwise constitutes a hazard requiring removal as determined by a qualified arborist or professional engineer.
    iii. The placement of the tree prohibits the economic use of the property for permissible development.

b. Please indicate why the trees are being removed on the Tree Removal Table (Sheet C211) and whether any proposed to be removed are on the Town's prohibited plant list. If they are plant species that are prohibited by the Florida Department of Environmental Protection or the Florida Department of Agriculture, or listed as invasive by the Florida Exotic Pest Control, this information needs to be provided on the Tree Removal Table for each tree listed.

c. Please provide data and evaluate, consistent with LDC Section 7.11.04, if any trees can be saved by redesign.

d. Tree Protection Detail needs to be provided on the plans to comply with LDC Section 7.11.01.

Motion Examples:

1. Recommend Town Council approve the proposed Mission Rise Preliminary Subdivision Plan.

2. Recommend Town Council deny the proposed Mission Rise Preliminary Subdivision Plan. [Provide specific reasons for recommendation of denial.]

3. Continue action on the proposed Mission Rise Preliminary Subdivision Plan. [Provide specific reasons for continuance and identify additional items needed for consideration.]

Docusign Envelope ID: 7A4944A3-022E-4EB9-82E1-3C8E0618DB08

TOWN OF HOWEY-IN-THE-HILLS, FLORIDA

GENERAL LAND DEVELOPMENT APPLICATION

101 N. Palm Avenue, Howey-in-the-Hills, Florida 34737
Phone: (352) 324-2290 ● Fax: (352) 324-2126

Date Received: Application ID: Received By:

REQUESTED ACTION

- ☐ Comp Plan Amendment
- ☐ PUD
- ☐ Conditional Use
- ☐ Land Development Code Text
- ☐ Variance
- ☐ Rezoning
- ☐ Subdivision Minor
- ☐ Other
- ☐ Site Plan (check one below)
  - ☐ Preliminary
  - ☐ Final
- ☐ Subdivision (check one below)
  - ☒ Preliminary Subdivision
  - ☐ Final Subdivision
  - ☐ Final Plat

Describe Request:

APPLICANT INFORMATION:

Name: ASF TAP FL I LLC c/o Jason Humm E-Mail: jhumm@turnstonegroup.com

Address: 3565 Piedmont Rd NE Bldg. One, #200 Atlanta, GA 30305 Phone: 630.816.7002 Fax: _____

☒ Owner ☐ Agent for Owner ☐ Attorney for Owner

OWNER INFORMATION:

Name: ASF TAP FL I LLC E-Mail: jhumm@turnstonegroup.com

Address: 3565 Piedmont Rd NE Bldg. One, #200 Atlanta, GA 30305 Phone: 630.816.7002

Fax: _____

Docusign Envelope ID: 7A4944A3-022E-4EB9-82E1-3C8E0618DB08

PROPERTY INFORMATION:

Address: Revels Rd / Silverwood Ln / 9842 Number Two Rd Howey in the Hills FL, 34737

General Location: Southwest corner of Number Two Rd and Revels Rd

Current Zoning: PUD Planned Unit Development Current Land Use: PUD Planned Unit Development

Parcel Size: 241.3 +/- acres Tax Parcel #: 27-20-25-0004-000-01200, 34-20-25-0001-000-00100, 34-20-25-0004-000-01003, 02-21-25-0002-000-04800

Legal Description Attached [X] Yes [ ] No Survey Attached [X] Yes [ ] No

Pre-Application Meeting Date: 02/13/2025
(Attach Pre-Application Form)

Application Fee: $_____

Applicant's Signature: _____ 2/19/2025
(Signature) *(Date)*

Jason Humm
(Print)

Owner's Signature: Signed by: 0E4D0B0435684F6... 2/20/2025
(Provide letter of Authorization) *(Signature)* *(Date)*

Todd Terwilliger
(Print)

Applications must be complete to initiate the review process.

3/27/2025

Town of Howey-in-the-Hills
101 N. Palm Avenue
Howey-in the-Hills, Florida 34737

RE: Mission Rise
Atwell Project Number: 23000180

This letter is in response to your review of the Mission Rise project. The plans have been revised per the comments in your letter dated 3/12/2025. Below is a list of each comment with our responses in bold.

Town Planner

1. Please show Phasing consistent with the Mission Rise PUD Development Agreement dated September 4, 2024 and recorded in Lake County Official Records OR Book 6406, Page 1267.
   Response: Please see sheet C100 for the Phasing Plan.

2. Please revise the lot widths on Lot 49 and Lot 135.

   Response: **Please see revised sheet C201 for the additional callouts for Lots 49 and 135.**

3. Please revise the plans to show the acreage of each amenity tract and the access restrictions consistent with the Mission Rise PUD Development Agreement dated September 4, 2024 and recorded in Lake County Official Records OR Book 6406, Page 1267.
   Response: Please see the Tract Area Table on sheet C200. The Acreage and Ownership for all tracts including Amenities were included in that table.

4. Please revise the plans to demonstrate on the plans how the Open Space calculations comply with Comprehensive Plan Policy 1.1.4- Interpretation of Open Space and Density Designations, which states:

   > Open space and parks and recreation requirements are figured on the Gross Land Area. Up to 25% of the open space requirement may be met with wetlands. Open space may include landscaped buffers and stormwater facilities if they are designed to be a park-like setting with pedestrian amenities and free form ponds. Open space may be passive or active. Open space may include public recreational components of developments. The majority of the open space shall be permeable; however, up to

10% may be impervious (plazas, recreational facilities, etc.). Wet ponds are not counted as part of that 10%.

Response: The revision to Chapter 1 of the Comprehensive Plan Policy was published after our Zoning application was submitted. We should be grandfathered into the old code and not have to change out open space requirements. Per our PUD Concept Plan under Notes, we are allowed "Up to 50% of required Open Space can be from Preserved Wetlands".

5. Please demonstrate how the proposed buffers are consistent with Mission Rise PUD Development Agreement dated September 4, 2024 and recorded in Lake County Official Records OR Book 6406, Page 1267.
   Response: Please see revised sheets C201 to C203 for all buffers that are consistent with the Mission Rise PUD Development Agreement.

6. An Amenity is called out on Sheet C202 on the South side of the project but it is not listed an Amenity Tract. What is this Amenity and please identify it on the Sheet.
   Response: Please see revised sheet C202 for the callout for Tract E.

7. Please explain "Option 1" and "Option 2" for road design and how they relate to the Mission Rise PUD Development Agreement dated September 4, 2024 and recorded in Lake County Official Records OR Book 6406, Page 1267
   Response: For the 50' ROW there are two options, one is a typical 50' ROW and the second includes parallel parking along the roadway. These are consistent with the Mission Rise PUD Development Agreement. Please refer to Sheet C200 for the typical sections.

8. Consistent with LDC Section 4.05.12 (M), please show the tree survey as a layer on the Preliminary Subdivision Plans to show the relation of the trees to the proposed improvements. The plans should also include a table indicating which trees are proposed to be saved and which are proposed to be removed.
   Response: Please see sheets C204 to C211 for the tree survey over the preliminary layout and the tree tables. Refer to Sheet C211 for the save/remove feet.

9. Thank you for providing a copy of the application for concurrency review to the School District. Please provide subsequent communication with/from the Lake County School District as concurrency requirements are met.
   Response: Acknowledged. Once we hear back from the Lake County School District, we will let you know.

Town Engineer

General

ATWELL

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

2. The survey at the east end along SR 19 conflicts with the surveys of the two outparcels. Copies of those surveys are attached. The survey will need to be corrected and the PSP modified to reflect the adjusted project boundary.
   Response: Acknowledged, we are working with all parties to resolve the survey issue.

Traffic & Transportation

1. The connection of Revels Rd & SR 19 should reflect the proposed roundabout. Attached is the most recent concept plan for the intersection. Building the roundabout with the construction of Mission Rise is a provision in the Development Agreement. The town is working with FDOT to establish the roundabout as the town's preferred improvement to this intersection. Revise the plan to incorporate the roundabout.
   Response: Please see sheet C203 for the Roundabout Option at SR19 and Revels Road.

2. Provide greater detail on the proposed connection to No. 2 Road. Include turn lane configuration, additional right-of-way dedication, trail accommodation along No. 2 Rd.
   Response: Per conversation with Lake County, they only want a Left Turn into our property as well as a Right Out Only leaving our property. This is shown on sheet C201 for reference.

Roads

1. Mission Rise should be designed as a Complete Streets, pedestrian friendly community. The intersections of the residential streets need to provide full pedestrian accommodation. Pedestrians need to have clearly designated means (crosswalks & signage) to safely traverse an intersection from any corner to any other corner or side.
   Response: Please see revised sheets C201 to C203 for the additional pedestrian accommodations.

2. Intersection geometry and crosswalk layout needs to conform to the town standard (see Howey detail R-1A).
   Response: Please see revised sheets C201 to C203 for the additional intersection geometry and crosswalks.

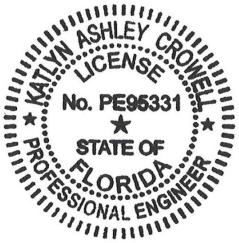
3. Revise the configuration of the Revels Road realignment to match the attached exhibit.

Response: Please see revised sheet C203 for the updated section of Revels Road to be a 65' ROW instead of 90'. We are working with Hillside Groves for ROW along Revels Road.

4. Revise the spine road to incorporate the comments in the attached markup.
   Response: Please see sheets C201 to C203 for the addition of the comments from the previously attached markup.

Respectfully,

Atwell, LLC



Digitally signed by Katlyn Crowell
DN: CN=Katlyn Crowell, dnQualifier=A01410D000001947027F0D900283595, O=Unaffiliated, C=US
Reason: I have reviewed this document
Date: 2025.03.26 13:26:37-04'00'

Katlyn Crowell, PE

Project Engineer

ATWELL, LLC

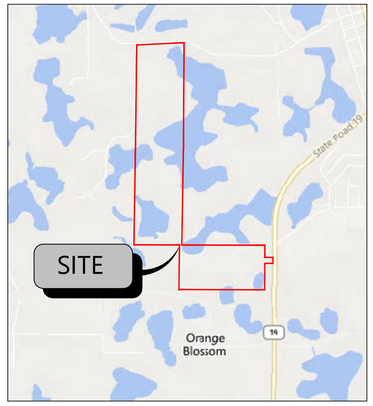
Orlando, FL - Magnolia

PRELIMINARY SUBDIVISION PLAN FOR

MISSION RISE

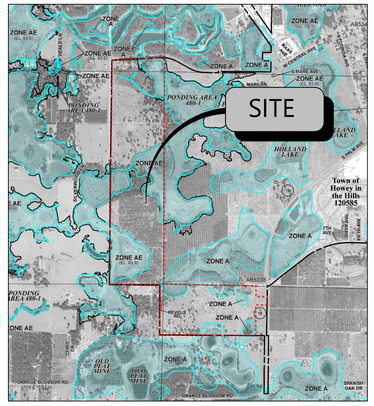
HOWEY-IN-THE-HILLS, FLORIDA

TAX PARCELS: 34-20-25-0004-000-01003, 27-20-25-0004-000-01200, 34-20-25-0001-000-00100, & 02-21-25-0002-000-04800



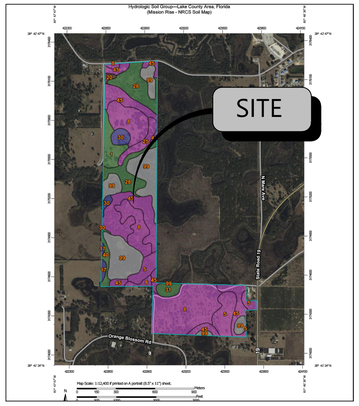
VICINITY MAP
1" = 2000'

AERIAL MAP
N.T.S.



FEMA MAP
N.T.S.

BASED ON GRAPHIC DETERMINATION, THIS PROPERTY LIES IN A F.E.M.A./F.I.R.M. SPECIAL FLOOD HAZARD AREA (ZONES "A" & "AE") PER COMMUNITY PANEL NO.12069C0485E, DATED 12/18/2012.



SOILS MAP
N.T.S.

DEVELOPMENT TEAM

OWNER
ASF TAP FL, LLC
3565 PIEDMONT RD
NE BLDG ONE #200
ATLANTA, GA 30305
PHONE: (630) 816-7002
CONTACT: JASON HUMM
EMAIL:
JHUMM@TURNSTONEGROUP.COM

DEVELOPER
ASF TAP FL, LLC
3565 PIEDMONT RD
NE BLDG ONE #200
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CIVIL ENGINEER
ATWELL, LLC
111 N MAGNOLIA AVENUE
SUITE 1350
ORLANDO, FL 32801
PHONE: (407) 425-6623
CONTACT: KATLYN CROWELL
EMAIL: KCROWELL@ATWELL.COM

SURVEYOR
ATWELL, LLC
2600 MAITLAND CENTER PKWY,
SUITE 262
MAITLAND, FL 32751
PHONE: (407) 775-6500
CONTACT: DALTON R. CROSS
EMAIL: DCROSS@ATWELL.COM

LANDSCAPE
RVi PLANNING + LANDSCAPE
ARCHITECTURE
111 N MAGNOLIA AVENUE
SUITE 1350
ORLANDO, FL 32801
PHONE: (407) 680-0650
CONTACT: JACK CALDWELL
EMAIL:
JCALDWELL@RVIPLANNING.COM

ENVIRONMENTAL
BIO-TECH CONSULTING INC.
3025 EAST SOUTH STREET
ORLANDO, FL 32803
PHONE: (407) 894-5969
CONTACT: KATE GRONINGRT
EMAIL:
KATE@BIO-TECHCONSULTING.COM

GEOTECH
UES PROFESSIONAL SOLUTIONS, LLC
3532 MAGGIE BOULEVARD
ORLANDO, FLORIDA 32811
PHONE: (407) 423-0504
CONTACT: RICARDO C. KIRIAKIDIS L.
EMAIL: RKIRIAKIDIS@TEAMUES.COM

TRAFFIC
TRAFFIC & MOBILITY CONSULTANTS
3101 MAGUIRE BOULEVARD
SUITE 265
ORLANDO, FLORIDA 32803
PHONE: (407) 531-5332
CONTACT: CHARLOTTE N. DAVIDSON, P.E.
EMAIL: CHARLOTTED@TRAFFICMOBILITY.COM

GOVERNING AGENCIES AND UTILITY PROVIDERS

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET
PALATKA, FL 32177
PHONE: (386) 329-4500

TOWN OF HOWEY-IN-THE-HILLS
101 N PALM AVE
HOWEY-IN-THE-HILLS, FL 34737
PHONE: (352) 324-2290

WATER
TOWN OF HOWEY-IN-THE-HILLS
101 N PALM AVE
HOWEY-IN-THE-HILLS, FL 34737
PHONE: (352) 324-2290

SANITARY SEWER
CENTRAL LAKE CDD
219 E LIVINGSTON ST
ORLANDO, FL 32801
PHONE: (407) 841-5524

ELECTRIC
SECO ENERGY
330 US-301
SUMTERVILLE, FL 33585
PHONE: (352) 661-0479

NATURAL GAS
TECO PEOPLES GAS
600 W ROBINSON ST
ORLANDO, FL 32801
PHONE: (407) 425-4662

TELEPHONE/INTERNET
COMCAST
PHONE: (561) 512-9726

PROJECT NARRATIVE

THIS PROJECT REPRESENTS A SIGNIFICANT OPPORTUNITY TO ENHANCE THE TOWN OF HOWEY-IN-THE-HILLS BY THOUGHTFULLY DEVELOPING A 241.48-ACRE PROPERTY AS A SINGLE-FAMILY RESIDENTIAL COMMUNITY WHILE PRESERVING ITS ENVIRONMENTAL ASSETS. MISSION RISE PROJECT FOLLOWS THE APPROVED PUD AND PROPOSES 408 SINGLE FAMILY WITH ASSOCIATED INFRASTRUCTURE, INCLUDING BUT NOT LIMITED TO DRAINAGE AND WATER AND SEWER UTILITIES. RUNOFF WILL BE CONNECTED IN A SERIES OF INLETS AND PIPES AND BE CONVEYED TO PROPOSED PONDS WHICH WILL OUTFALL TO WETLANDS ADJACENT TO THE PROPERTY. THE PROJECT IS LOCATED TO THE SOUTHWEST OF STATE ROAD 19 AND NUMBER 2 RD.

LEGAL DESCRIPTION

PARCEL1:
THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 25 EAST, SAID LAND LYING AND BEING IN LAKE COUNTY, FLORIDA.

PARCEL 2:
THAT PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER LYING SOUTH OF CLAY ROAD (NUMBER TWO ROAD) IN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 25 EAST, SAID LAND LYING AND BEING SITUATE IN LAKE COUNTY, FLORIDA.

PARCEL 3:
THE EAST HALF OF THE SOUTHEAST QUARTER OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 25 EAST, SAID LAND LYING AND BEING SITUATE IN LAKE COUNTY, FLORIDA.

PARCEL 4:
THE NORTH HALF OF GOVERNMENT LOTS 3 AND 4, ALSO KNOWN AS THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, SAID LAND LYING AND BEING SITUATE IN LAKE COUNTY, FLORIDA.

LESS: THE EAST 262 FEET OF THE FOLLOWING DESCRIBED PROPERTY: NORTH HALF OF GOVERNMENT LOT 3, SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, LYING WEST OF ROAD RIGHT-OF-WAY FOR HIGHWAY 19. LESS THE SOUTH 907 FEET THEREOF.

AND

LESS: THE SOUTH 740 FEET OF THE EAST 262 FEET OF THE FOLLOWING DESCRIBED PROPERTY: NORTH HALF OF GOVERNMENT LOT 3, SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, LYING WEST OF ROAD RIGHT-OF-WAY FOR HIGHWAY 19.

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PSPXX-XXXX

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ORLANDO, FL 32801
4TH CERT. NO. 29791
COA# 29791

SEC 27,34 TWP 20 S RGE 25 E
--
HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
COVER

DATE 02/27/2025

REVISIONS

KATLYN ASHLEY CROWELL LICENSE No. PE95331 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C000

0180-C0.00 COVER

NOT ISSUED FOR CONSTRUCTION

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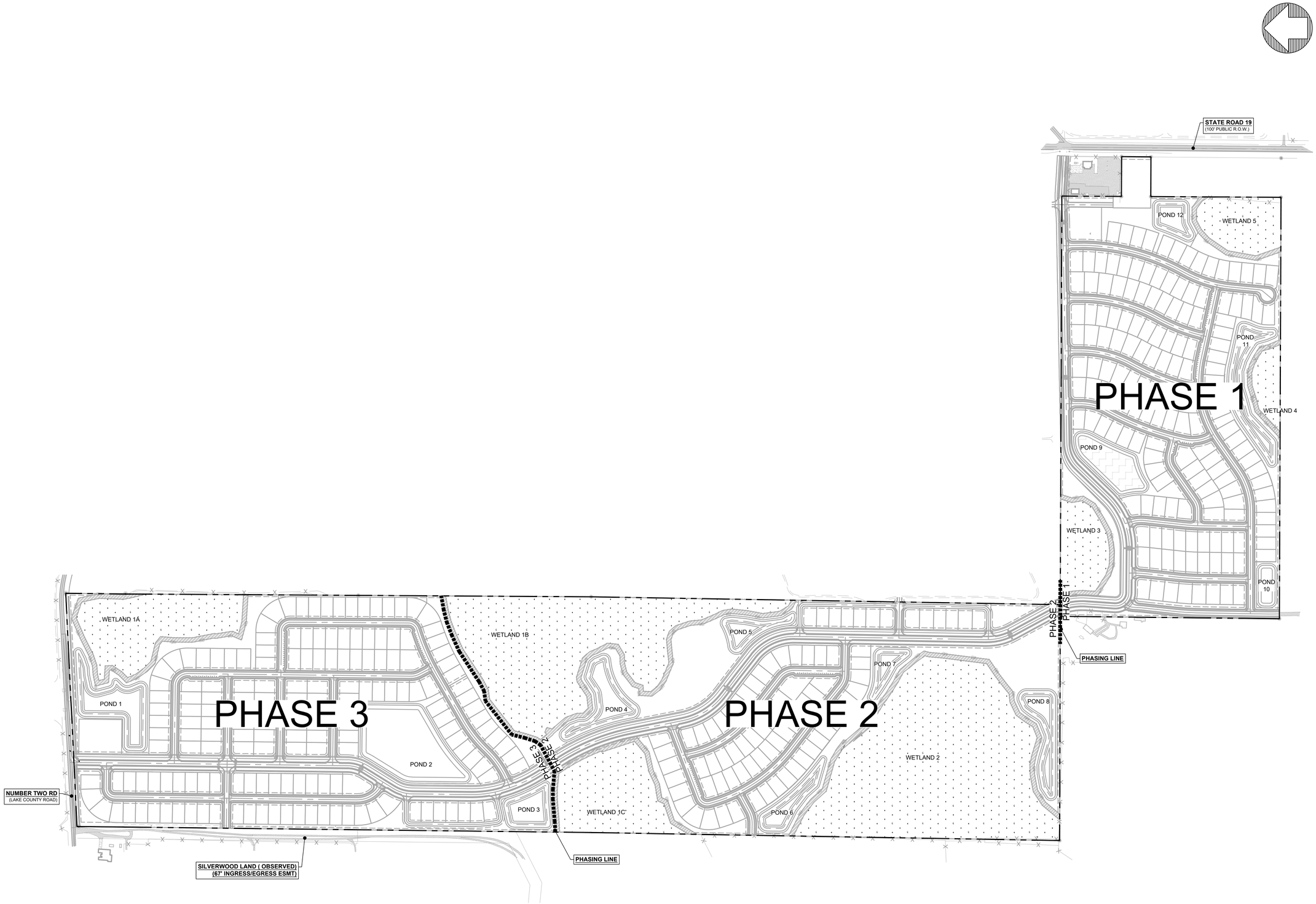

PSPXX-XXXX

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COA# 29091

SEC 27,34 TWP 20 S RGE 25 E
--
HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
PHASING PLAN

DATE 02/27/2025

REVISIONS

KALYN ASHLEY CROMEL
LICENSE
No. PE95331
STATE OF FLORIDA
PROFESSIONAL ENGINEER

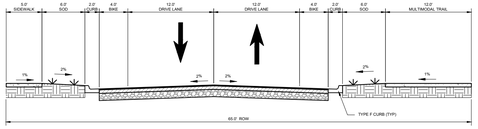
0 125' 250'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C100

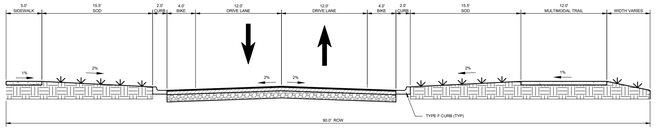
NOT ISSUED FOR CONSTRUCTION

FILE NAME: K:\23000180 Watson Rse CO and PSP\DWG\Pro Set\Site-Preliminary\0180-C100 PHASING PLAN.dwg LAST SAVED BY: anfir-rosado 3/26/2025 11:58 AM PLOTTED BY: Kathy Cowan 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB

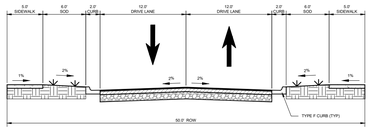
TYPICAL SECTIONS



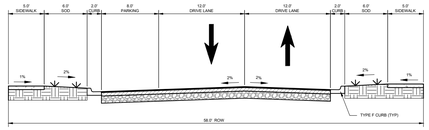
SPINE ROAD
65' ROW WITH BIKE LANE



SPINE ROAD
90' ROW WITH BIKE LANE & 12' MULTIMODAL TRAIL



OPT 1 - NEIGHBORHOOD ROAD
50' ROW



OPT 2 - NEIGHBORHOOD ROAD (PARALLEL PARKING)
58' ROW

TRACT AREA TABLE			
TRACT NAME	USE DESCRIPTION	AREA	OWNERSHIP
LS	PUBLIC LIFT STATION	0.04 Ac.	TOWN OF HOWEY-IN-THE-HILLS
OS-1	OPEN SPACE	0.95 Ac.	H.O.A. (PRIVATE)
OS-2	OPEN SPACE	0.14 Ac.	H.O.A. (PRIVATE)
OS-3	OPEN SPACE	0.14 Ac.	H.O.A. (PRIVATE)
OS-4	OPEN SPACE	0.22 Ac.	H.O.A. (PRIVATE)
OS-5	OPEN SPACE	1.83 Ac.	H.O.A. (PRIVATE)
OS-6	OPEN SPACE	1.03 Ac.	H.O.A. (PRIVATE)
OS-7	OPEN SPACE	0.88 Ac.	H.O.A. (PRIVATE)
OS-8	OPEN SPACE	0.25 Ac.	H.O.A. (PRIVATE)
OS-9	OPEN SPACE	0.13 Ac.	H.O.A. (PRIVATE)
OS-10	OPEN SPACE	0.43 Ac.	H.O.A. (PRIVATE)
OS-11	OPEN SPACE	0.36 Ac.	H.O.A. (PRIVATE)
OS-12	OPEN SPACE	0.99 Ac.	H.O.A. (PRIVATE)
OS-13	OPEN SPACE	2.97 Ac.	H.O.A. (PRIVATE)
OS-14	OPEN SPACE	0.14 Ac.	H.O.A. (PRIVATE)
POND 1	STORMWATER POND	2.31 Ac.	H.O.A. (PRIVATE)
POND 2	STORMWATER POND	4.23 Ac.	H.O.A. (PRIVATE)
POND 3	STORMWATER POND	1.15 Ac.	H.O.A. (PRIVATE)
POND 4	STORMWATER POND	1.75 Ac.	H.O.A. (PRIVATE)
POND 5	STORMWATER POND	0.87 Ac.	H.O.A. (PRIVATE)
POND 6	STORMWATER POND	1.06 Ac.	H.O.A. (PRIVATE)
POND 7	STORMWATER POND	0.69 Ac.	H.O.A. (PRIVATE)
POND 8	STORMWATER POND	1.46 Ac.	H.O.A. (PRIVATE)
POND 9	STORMWATER POND	1.70 Ac.	H.O.A. (PRIVATE)
POND 10	STORMWATER POND	0.49 Ac.	H.O.A. (PRIVATE)
POND 11	STORMWATER POND	1.79 Ac.	H.O.A. (PRIVATE)
POND 12	STORMWATER POND	0.84 Ac.	H.O.A. (PRIVATE)
REVELS ROAD ROW	PUBLIC RIGHT-OF-WAY	16.83 Ac.	TOWN OF HOWEY-IN-THE-HILLS
ROW A	PRIVATE RIGHT-OF-WAY	2.30 Ac.	H.O.A. (PRIVATE)
ROW B	PRIVATE RIGHT-OF-WAY	6.14 Ac.	H.O.A. (PRIVATE)

TRACT AREA TABLE			
TRACT NAME	USE DESCRIPTION	AREA	OWNERSHIP
ROW C	PRIVATE RIGHT-OF-WAY	0.41 Ac.	H.O.A. (PRIVATE)
ROW D	PRIVATE RIGHT-OF-WAY	3.61 Ac.	H.O.A. (PRIVATE)
ROW E	PRIVATE RIGHT-OF-WAY	0.84 Ac.	H.O.A. (PRIVATE)
ROW F	PRIVATE RIGHT-OF-WAY	9.58 Ac.	H.O.A. (PRIVATE)
TRACT A	AMENITY	1.09 Ac.	H.O.A. (PRIVATE)
TRACT B	NEIGHBORHOOD PARK/OPEN SPACE	3.24 Ac.	TOWN OF HOWEY-IN-THE-HILLS
TRACT C	MINI PARK	0.41 Ac.	H.O.A. (PRIVATE)
TRACT D	NEIGHBORHOOD PARK/OPEN SPACE	6.93 Ac.	TOWN OF HOWEY-IN-THE-HILLS
TRACT E	AMENITY/OPEN SPACE	6.30 Ac.	H.O.A. (PRIVATE)
TRACT F	NEIGHBORHOOD PARK/OPEN SPACE	0.62 Ac.	TOWN OF HOWEY-IN-THE-HILLS
TRACT G	NEIGHBORHOOD PARK/OPEN SPACE	1.14 Ac.	TOWN OF HOWEY-IN-THE-HILLS
TRACT H	NEIGHBORHOOD PARK/OPEN SPACE	1.30 Ac.	TOWN OF HOWEY-IN-THE-HILLS
TRACT H (ACCESS ROAD)	TRAIL HEAD SITE ACCESS ROAD	0.38 Ac.	TOWN OF HOWEY-IN-THE-HILLS
TRACT I	AMENITY	0.84 Ac.	TOWN OF HOWEY-IN-THE-HILLS
TRAIL HEAD SITE	TRAIL HEAD SITE	1.19 Ac.	TOWN OF HOWEY-IN-THE-HILLS
WB-1A	WETLAND BUFFER	1.22 Ac.	H.O.A. (PRIVATE)
WB-1B	WETLAND BUFFER	2.00 Ac.	H.O.A. (PRIVATE)
WB-1C	WETLAND BUFFER	0.88 Ac.	H.O.A. (PRIVATE)
WB-2	WETLAND BUFFER	1.59 Ac.	H.O.A. (PRIVATE)
WB-3	WETLAND BUFFER	0.54 Ac.	H.O.A. (PRIVATE)
WB-4	WETLAND BUFFER	0.39 Ac.	H.O.A. (PRIVATE)
WB-5	WETLAND BUFFER	0.43 Ac.	H.O.A. (PRIVATE)
WETLAND 1A	WETLAND CONSERVATION	6.38 Ac.	H.O.A. (PRIVATE)
WETLAND 1B	WETLAND CONSERVATION	16.37 Ac.	H.O.A. (PRIVATE)
WETLAND 1C	WETLAND CONSERVATION	5.91 Ac.	H.O.A. (PRIVATE)
WETLAND 2	WETLAND CONSERVATION	23.37 Ac.	H.O.A. (PRIVATE)
WETLAND 3	WETLAND CONSERVATION	2.86 Ac.	H.O.A. (PRIVATE)
WETLAND 4	WETLAND CONSERVATION	1.31 Ac.	H.O.A. (PRIVATE)
WETLAND 5	WETLAND CONSERVATION	3.10 Ac.	H.O.A. (PRIVATE)

Tract Name	Minimum Features
Tract A	Dog park or tot lot; flex lawn, benches, picnic table(s)
Tract B	Benches, picnic table(s), flex lawn, pathways, gathering area, pet station(s)
Tract C	Benches, picnic table(s), flex lawn, pet station(s), gathering area
Tract D	Benches, picnic table(s), flex lawn, pathways, exercise station(s), gathering area, pet station(s)
Tract E	Pool & Cabana, Pickleball Court(s), tot lot, flex lawn, pet station(s), pathways,
Tract F	Benches, picnic table(s), exercise station(s), flex lawn, pet station, gathering
Tract G	Benches, picnic table(s), exercise station(s), flex lawn, pet station, gathering
Tract H	Benches, pathway(s)
Tract I	Dog park or tot lot; flex lawn, benches, picnic table(s)
Trail Head Site	Restrooms, benches, picnic tables, bike repair stations, cooling stations, pet

TOTAL PROJECT AREA:	241.48 AC
TOTAL WETLANDS:	60.03 AC
IMPACTED:	0.45 AC
SECONDARY IMPACT:	0.29 AC
PRESERVED:	59.29 AC
RESIDENTIAL NET DEVELOPABLE AREA:	151.09 AC
REQUIRED OPEN SPACE (25%):	60.37 AC
PROVIDED OPEN SPACE (25.32%):	61.15 AC
MISC OPEN SPACE:	20.83 AC
WETLANDS (50% AREA)	30.01 AC
STORMWATER:	10.31 AC
NON-RESIDENTIAL ACREAGE (15%):	22.66 AC
PROVIDED (16.57%):	25.04 AC
CIVIC (REQUIRED 5%):	1.19 AC
AMENITIES:	7.93 AC
NEIGHBORHOOD PARK:	15.92 AC

SITE INFORMATION

PARCEL ID: 02-21-25-0002-000-04800
34-20-25-0001-000-00100
34-20-25-0004-000-01003
27-20-25-0004-000-01200

TOTAL PROJECT AREA: 241.48 AC

NUMBER OF LOTS: 408 TOTAL
310 UNITS - 8,400 SQ.FT. (76%)
98 UNITS - 9,600 SQ.FT. (24%)

UNIT TYPE: SINGLE FAMILY - DETACHED

LOT COVERAGE: 55% IMPERVIOUS LOT COVERAGE

RESIDENTIAL DENSITY (DU/A): 4 DU/ACRE

ZONING CLASSIFICATION

JURISDICTION: HOWEY-IN-THE-HILLS
ZONING: PUD, PLANNED UNIT DEVELOPMENT
FUTURE LAND USE: VMU - VILLAGE MIXED USE
ADJACENT ZONING: PUD (THE RESERVE) - EAST
MDR-1 - EAST
AG - WEST

FLOODPLAIN: LOCATED IN FEMA FLOOD ZONE A AND AE PER MAP NO. 12069C0485E, EFF. DATE 12/18/2012

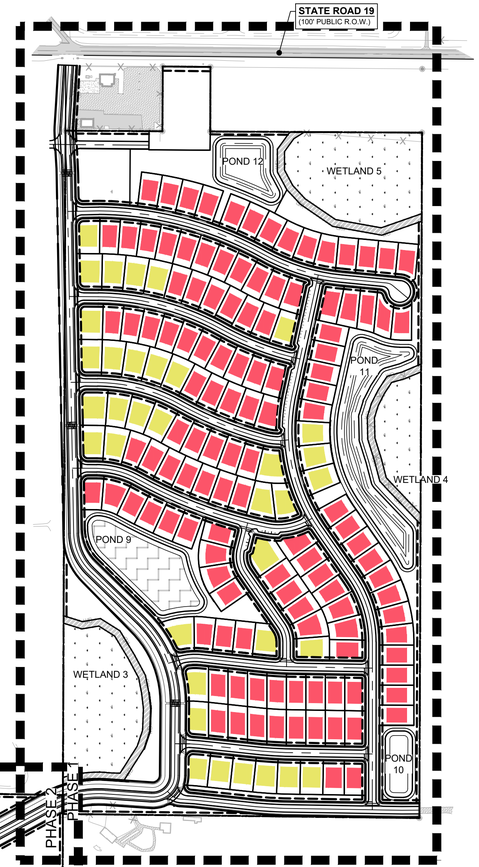
ZONE AE 100 YR-24 HR FLOOD ELEV = 83.6 (ESTABLISHED)

SERVICES / UTILITY PROVIDER

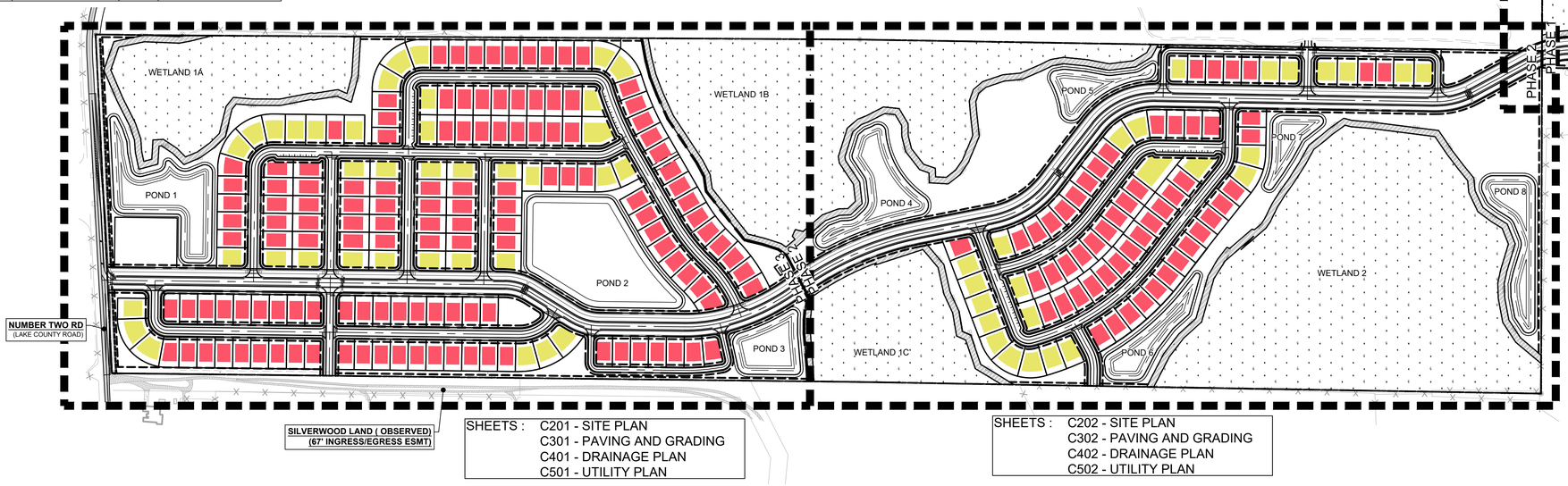
WATER	TOWN OF HOWEY-IN-THE-HILLS
SANITARY SEWER	CENTRAL LAKE CDD
ELECTRIC	SECO
STORMWATER MANAGEMENT	SJRWMD

BUILDING SETBACKS AND BUFFERS

FRONT BUILDING SETBACK: 25'
(EXCLUDING FRONT PORCH, WHICH SHALL BE 19 FEET)
REAR BUILDING SETBACK: 25'
SIDE BUILDING SETBACK: 10'
CORNER SETBACK: 12.5'
POOL / ACCESSORY SETBACK: 10'



SHEETS : C203 - SITE PLAN
C303 - PAVING AND GRADING
C403 - DRAINAGE PLAN
C503 - UTILITY PLAN



SHEETS : C201 - SITE PLAN
C301 - PAVING AND GRADING
C401 - DRAINAGE PLAN
C501 - UTILITY PLAN

SHEETS : C202 - SITE PLAN
C302 - PAVING AND GRADING
C402 - DRAINAGE PLAN
C502 - UTILITY PLAN

LEGEND

- CONSTRUCTION LIMITS LINE
- RIGHT OF WAY LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT LINE
- PLANS MATCH LINE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK

PSPXX-XXXX

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CO.A# 29091

SEC 27, 34 TWP 20 S RGE 25 E
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HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
OVERALL SITE PLAN

DATE 02/27/2025

REVISIONS

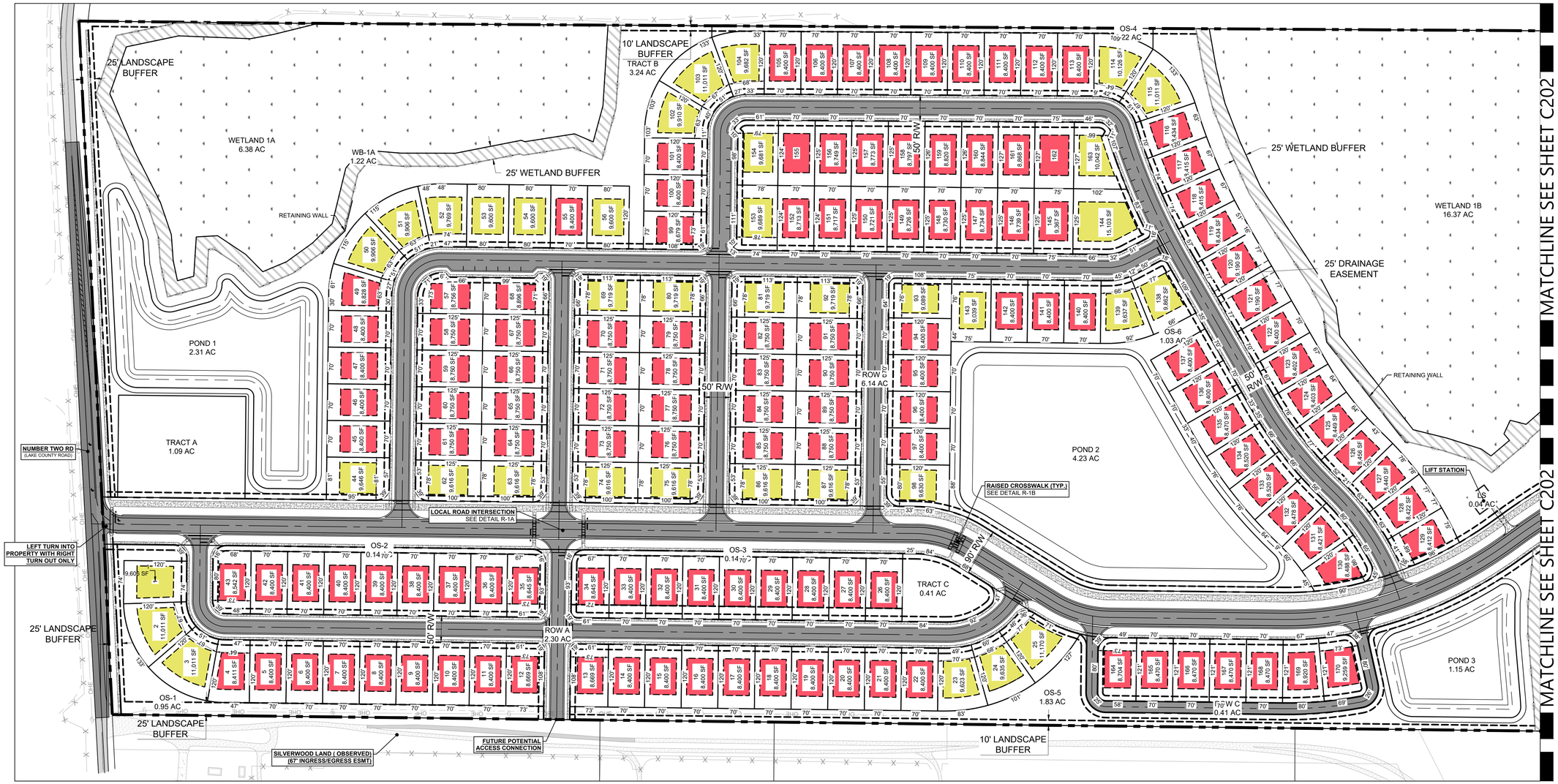
KATELYN ASHLEY CRONKHITE LICENSE No. PE95331 STATE OF FLORIDA PROFESSIONAL ENGINEER

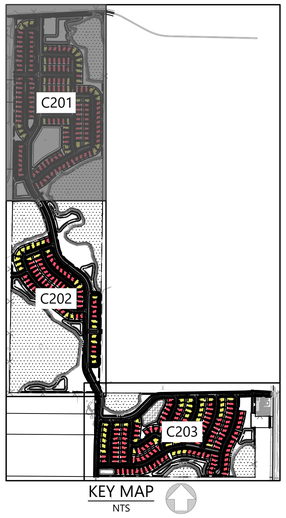
0 125' 250'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C200

ISSUED FOR CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise DD and PSP\Civil\Engineering\Plan Sets\Site Preliminary\Plan\C200 OVERALL SITE PLAN.dwg LAST SAVED BY: kcrowell 3/26/2025 8:57 AM PLOTTED BY: Kaitlyn Crowell 3/26/2025 8:57 AM PLOTTED BY: Kaitlyn Crowell 3/26/2025 8:57 AM PLOTTED BY: Kaitlyn Crowell 3/26/2025 8:57 AM PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG To PDF.PC3 PLOT STYLE: ATWELL.CTB





LEGEND

- CONSTRUCTION LIMITS LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- EXISTING WETLAND
- PROPOSED WETLAND BUFFER
- PROPOSED POND AREA

NOTES:

1. THE LOCATIONS OF THE RAISED CROSSWALKS CAN BE SHIFTED AS NEEDED DUE TO GRADING AND PROXIMITY TO INTERSECTIONS.

PSPXX-XXXX

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HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
SITE PLAN

DATE 02/27/2025

REVISIONS

MARVYN ASHLEY CROMEY LICENSE No. PE95331 STATE OF FLORIDA PROFESSIONAL ENGINEER

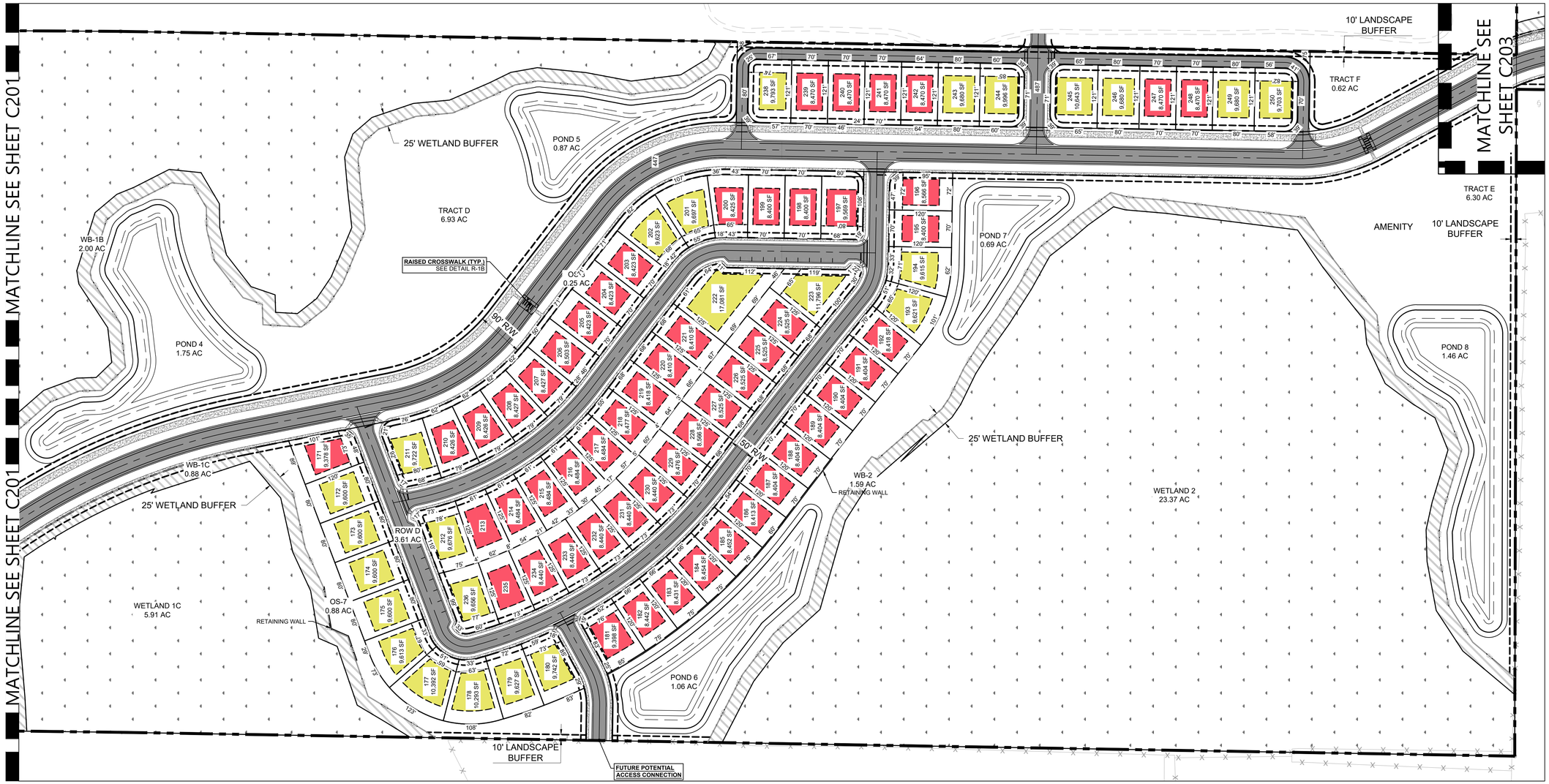
0 50' 100'

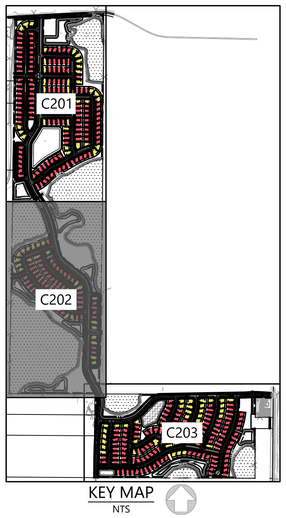
DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C201

NOT-ISSUED-FOR-CONSTRUCTION

CERTIFICATE OF AUTHORIZATION NUMBER 29091

FILE NAME: K:\23000180 Mission Rise DO and PSP\DWG\Plan Sets\Dev-Preliminary\C400-C201 SITE PLAN.dwg LAST SAVED BY: zorbi.rosado 3/26/2025 11:13 AM PLOTTED BY: Zayvie Ortiz-Rosado 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB





LEGEND

- CONSTRUCTION LIMITS LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- EXISTING WETLAND
- PROPOSED WETLAND BUFFER
- PROPOSED POND AREA

NOTES:

1. THE LOCATIONS OF THE RAISED CROSSWALKS CAN BE SHIFTED AS NEEDED DUE TO GRADING AND PROXIMITY TO INTERSECTIONS.

PSPXX-XXXX

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

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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FICTITIOUS NO. 7419
COA # 29091

SEC 27,34 TWP 20 S RGE 25 E | -- | HOWEY-IN-THE-HILLS | LAKE COUNTY , FLORIDA

MISSION RISE

TURNSTONE GROUP

PRELIMINARY SUBDIVISION PLAT

SITE PLAN

DATE 02/27/2025

REVISIONS

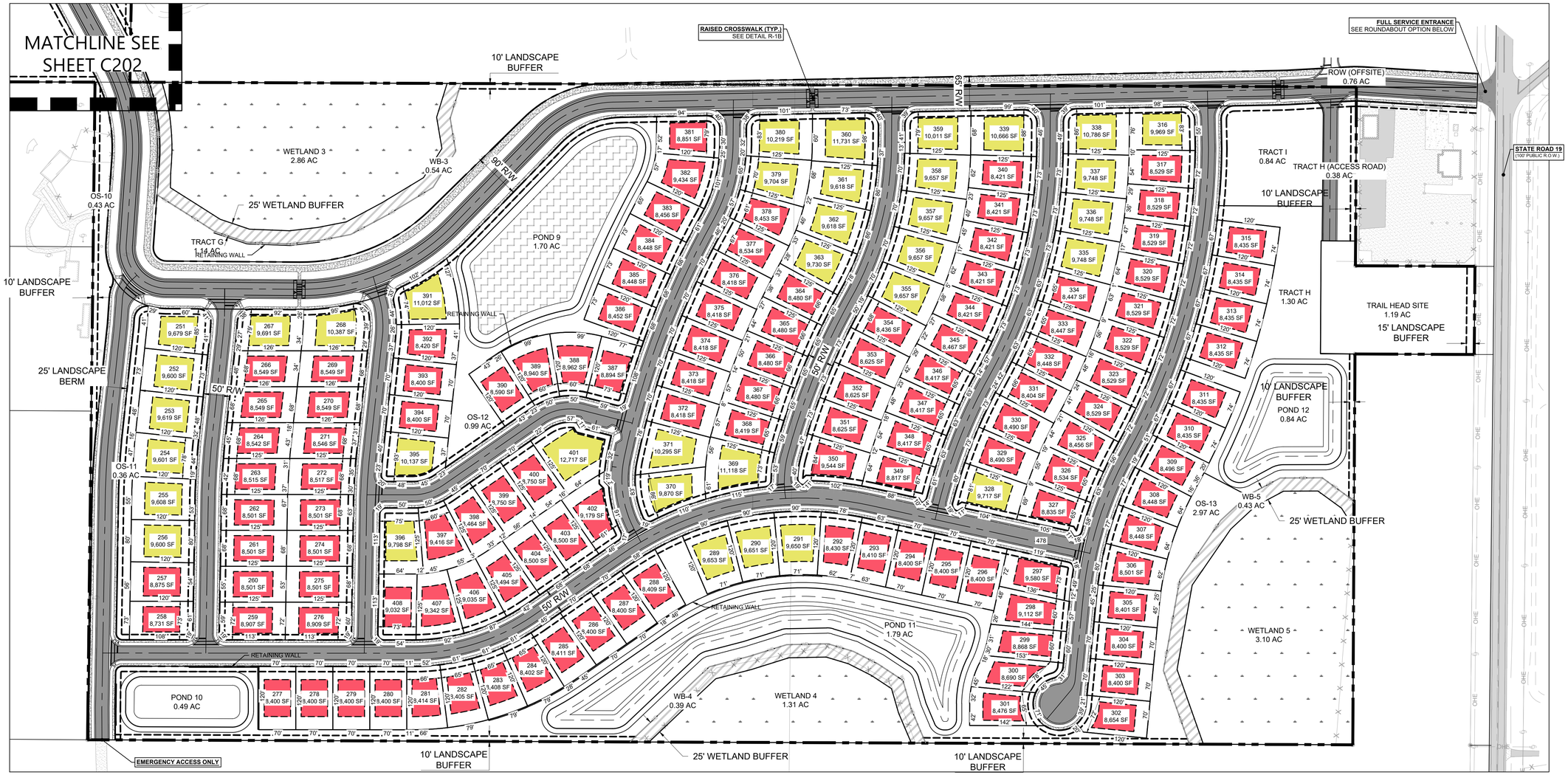
KAITLYN ASHLEY CROWELL LICENSE No. PE95331 STATE OF FLORIDA PROFESSIONAL ENGINEER

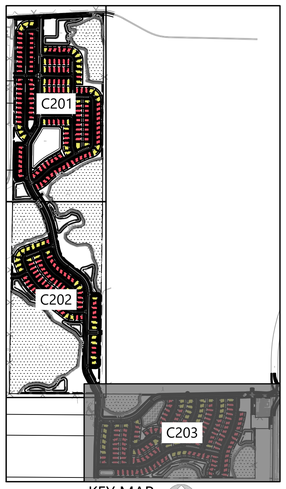
0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C202

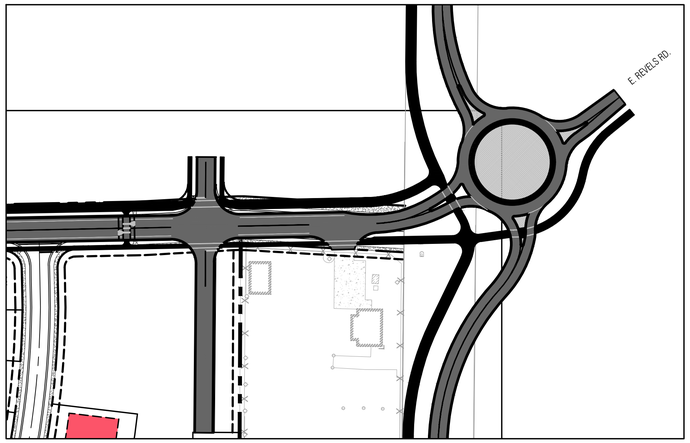
FILE NAME: K:\23000180 Mission Rise SD and PSP\DWG\Plan Sets\Site-Preliminary\SITE-C201 SITE PLAN.dwg LAST SAVED BY: kcrowell 3/26/2025 10:05 AM PLOTTED BY: Kaitlyn Crowell 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3

ISSUED FOR CONSTRUCTION





KEY MAP
NTS



ROUNDABOUT OPTION (PENDING FDOT APPROVAL)
SCALE: 1"=100'

LEGEND

- CONSTRUCTION LIMITS LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- EXISTING WETLAND
- WB WB — PROPOSED WETLAND BUFFER
- PROPOSED POND AREA

NOTES:

1. THE LOCATIONS OF THE RAISED CROSSWALKS CAN BE SHIFTED AS NEEDED DUE TO GRADING AND PROXIMITY TO INTERSECTIONS.

PSPXX-XXXX

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COA# 29091

SEC 27,34 TWP 20 S RGE 25 E
--
HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
SITE PLAN

DATE 02/27/2025

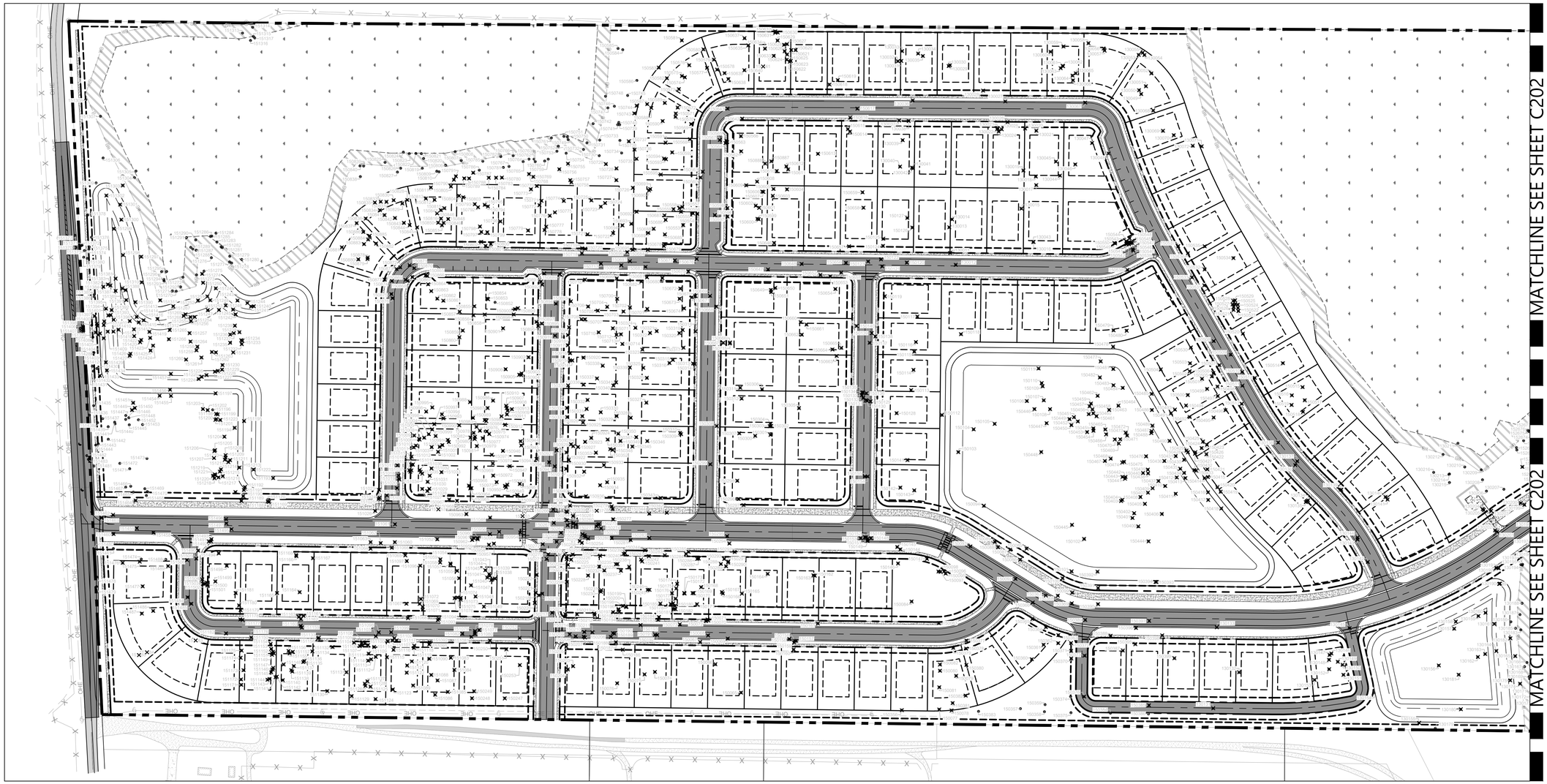
REVISIONS

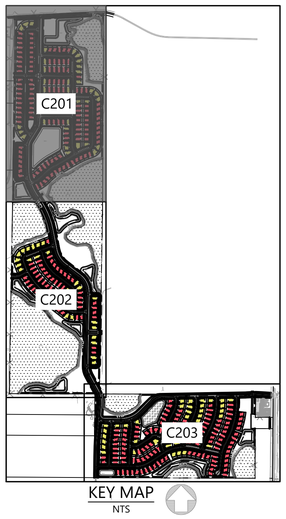
0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C203

ISSUED FOR CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise PD and PSP\CAD\Plan Sets\Site-Preliminary\SITE-C201 SITE PLAN.dwg LAST SAVED BY: kcrowell 3/26/2025 10:05 AM PLOTTED BY: Kalyn Crowell 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB





KEY MAP
NTS

LEGEND

- CONSTRUCTION LIMITS LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- EXISTING WETLAND
- PROPOSED WETLAND BUFFER
- PROPOSED POND AREA

NOTES:
1. THE SAVE/REMOVE TREES CAN CHANGE DUE TO FINAL GRADING AND AMENITIES LAYOUT.

PSPXX-XXXX

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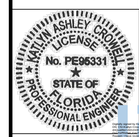
COA# 29091

SEC 27,34 TWP 20 S RGE 25 E
--
HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
TREE MITIGATION PLAN

DATE 02/27/2025

REVISIONS

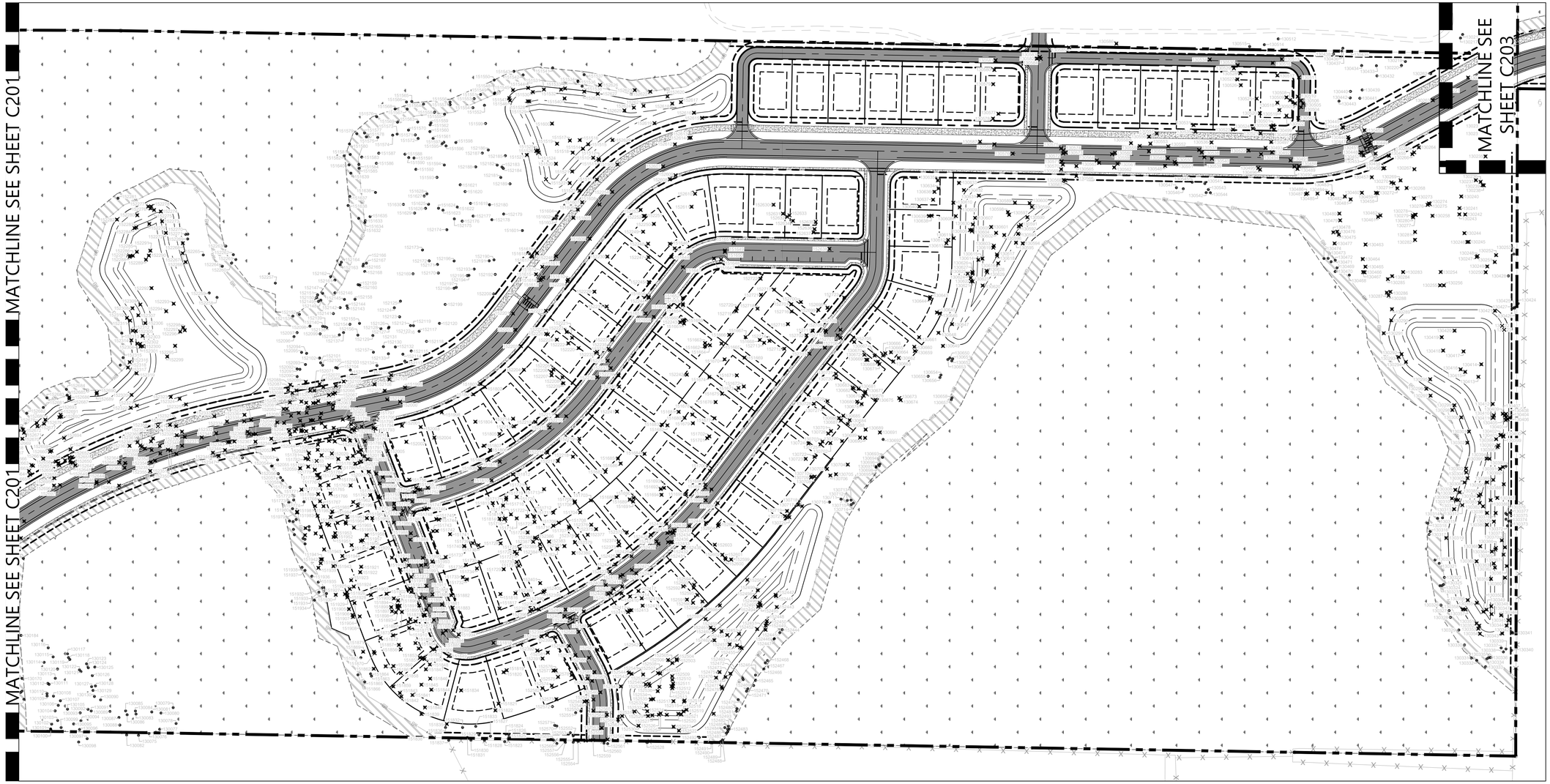


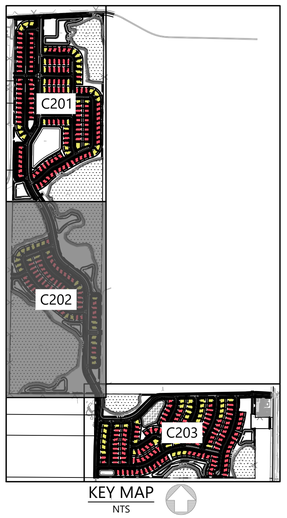
0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C204

FILE NAME: 23000180 Mission Rise 80 and 90ft SWMS Plan Set\Site-Preliminary\Civil\C-C201 SITE PLAN.dwg LAST SAVED BY: kcromer 3/26/2025 10:03 AM PLOTTED BY: Kathyn Cromer 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG To PDF.PC3 PLOT STYLE: ATWELL.CTB

--ISSUED--FOR--CONSTRUCTION
CHECKED BY: ZOR





KEY MAP
NTS

LEGEND

- CONSTRUCTION LIMITS LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
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NOTES:
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PSPXX-XXXX

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FL CA# 30784
COA# 29091

SEC 27,34 TWP 20 S RGE 25 E

--

HOWEY-IN-THE-HILLS

LAKE COUNTY , FLORIDA

MISSION RISE

TURNSTONE GROUP

PRELIMINARY SUBDIVISION PLAT

TREE MITIGATION PLAN

DATE 02/27/2025

REVISIONS

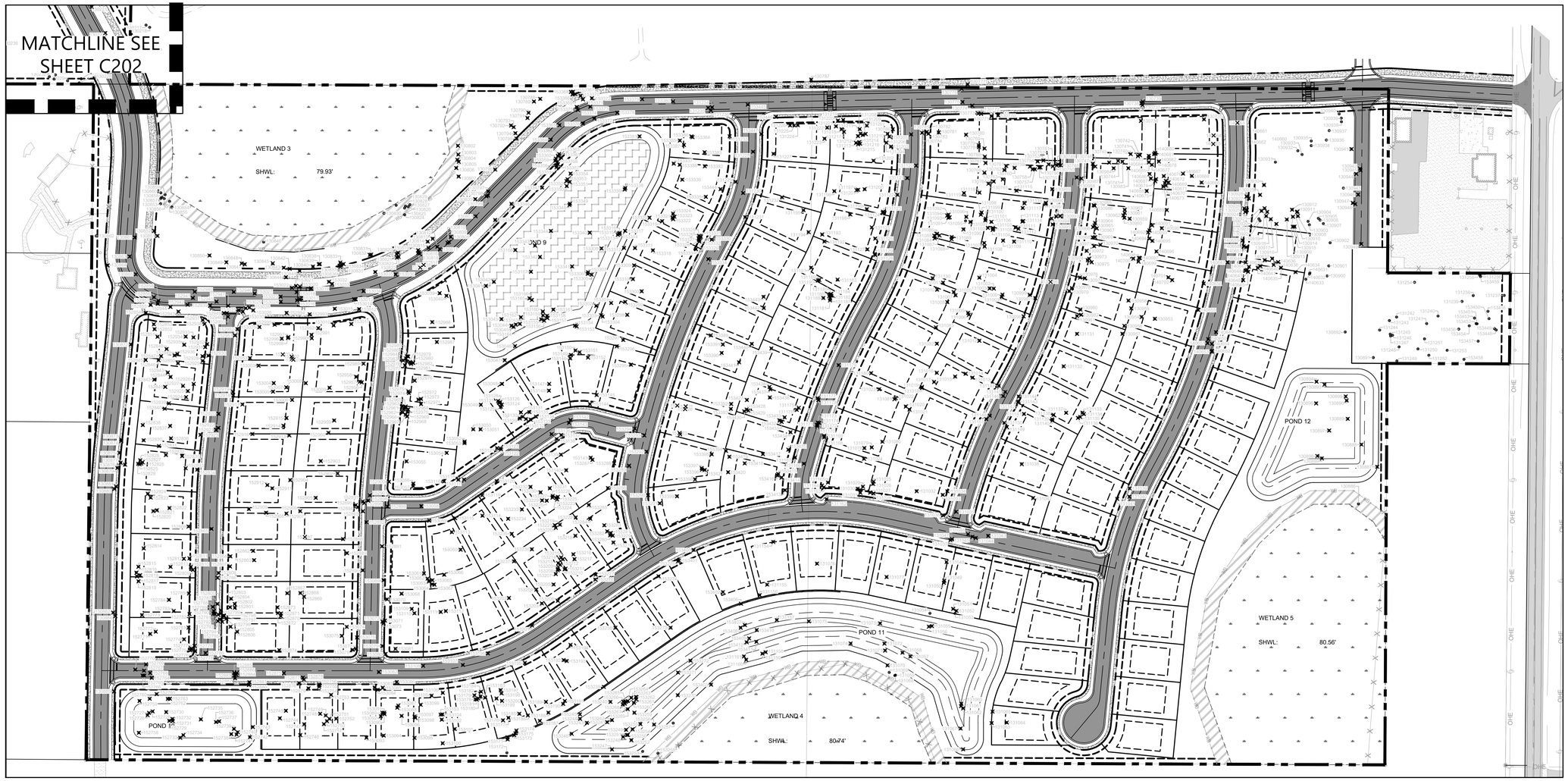
KALVIN ASHLEY CROWELL
LICENSE
No. PE95331
STATE OF FLORIDA
PROFESSIONAL ENGINEER

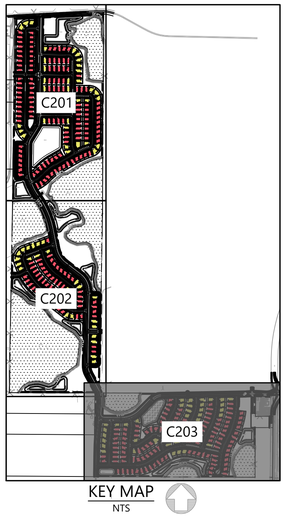
0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C205

NOT ISSUED FOR CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise DD and PSP\DWG\Plan Sets\Dev-Preliminary\C4180-C201 SITE PLAN.dwg LAST SAVED BY: kcrowell 3/26/2025 10:03 AM PLOTTED BY: Kalyn Crowell 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DRIVER: DWG To PDF.PC3 PLOT STYLE:





KEY MAP
NTS

LEGEND

- CONSTRUCTION LIMITS LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
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- PROPOSED POND AREA

NOTES:
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PSPXX-XXXX

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FL COA# 28994
CO.A# 29091

SEC 27,34 TWP 20 S RGE 25 E
--
HOWEY-IN-THE-HILLS
LAKE COUNTY, FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
TREE MITIGATION PLAN

DATE 02/27/2025

REVISIONS

KATHLEEN ASHLEY CROMER LICENSE No. PE95331 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 ##' ###'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C206

PRELIMINARY - NOT FOR CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise 60 and PUP\DWG\Plan Set\Site Preliminary\23180-C201 SITE PLAN.dwg LAST SAVED BY: kcromer8 3/26/2025 10:03 AM PLOTTED BY: Kaitlyn Cromer 3/26/2025 AWEB: ANSI FULL BLEED D (24.00 X 36.00 INCHES) STYCFG: DWG TO PDF.PCS PLOT STYLE: ATWELL.CTB

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
130011	TREE 24 OAK	REMOVE
130012	TREE 10 OAK	REMOVE
130013	TREE 40 OAK	REMOVE
130014	TREE 24 OAK	REMOVE
130015	TREE 28 OAK	REMOVE
130016	TREE 30 OAK	REMOVE
130017	TREE 8(1) 10(1) OAK	REMOVE
130018	TREE 26 OAK	REMOVE
130019	TREE 12 PALM	REMOVE
130020	TREE 18 OAK	REMOVE
130021	TREE 14 OAK	REMOVE
130022	TREE 10 OAK	REMOVE
130023	TREE 16 OAK	REMOVE
130024	TREE 8 OAK	REMOVE
130025	TREE 8 OAK	REMOVE
130026	TREE 18 OAK	REMOVE
130027	TREE 28 OAK	REMOVE
130028	TREE 16 OAK	REMOVE
130029	TREE 24 OAK	REMOVE
130030	TREE 8 OAK	REMOVE
130031	TREE 8 OAK	REMOVE
130032	TREE 12 OAK	REMOVE
130033	TREE 10 OAK	REMOVE
130034	TREE 14 OAK	REMOVE
130035	TREE 28 OAK	REMOVE
130036	TREE 18 (3) OAK	REMOVE
130037	TREE 22 OAK	REMOVE
130038	TREE 36 OAK	REMOVE
130039	TREE 24 OAK	REMOVE
130040	TREE 28 OAK	REMOVE
130041	TREE 8 OAK	REMOVE
130042	TREE 22 OAK	REMOVE
130043	TREE 24 OAK	REMOVE
130044	TREE 26 OAK	REMOVE
130045	TREE 20 OAK	REMOVE
130046	TREE 14 OAK	REMOVE
130047	TREE 14 OAK	REMOVE
130048	TREE 22 OAK	REMOVE
130049	TREE 19 OAK	REMOVE
130050	TREE 25 OAK	REMOVE
130051	TREE 20 OAK	REMOVE
130052	TREE 30 OAK	REMOVE
130053	TREE 10 OAK	REMOVE
130054	TREE 10 OAK	REMOVE
130055	TREE 8 OAK	REMOVE
130056	TREE 8 OAK	REMOVE
130057	TREE 10 OAK	REMOVE
130058	TREE 24 OAK	REMOVE
130059	TREE 12 OAK	REMOVE
130060	TREE 11 OAK	REMOVE
130061	TREE 8 OAK	REMOVE
130062	TREE 8 OAK	REMOVE
130063	TREE 8 (2) OAK	REMOVE
130064	TREE 14 OAK	REMOVE
130065	TREE 12(1) 16(1) 14(1) OAK	REMOVE
130066	TREE 12 OAK	REMOVE
130067	TREE 28 OAK	REMOVE
130068	TREE 10 OAK	REMOVE
130069	TREE 14 OAK	REMOVE
130070	TREE 50 OAK	REMOVE
130071	TREE 50 OAK	REMOVE
130072	TREE 8 OAK	REMOVE
130075	TREE 8 OAK	SAVE
130076	TREE 8 PINE	SAVE
130077	TREE 16 PINE	SAVE
130078	TREE 8 PINE	SAVE
130079	TREE 10 PINE	SAVE
130080	TREE 8 PINE	SAVE
130081	TREE 8 PINE	SAVE
130082	TREE 10 PINE	SAVE
130083	TREE 8 PINE	SAVE
130084	TREE 8 pine	SAVE
130085	TREE 8 PINE	SAVE
130086	TREE 8 PINE	SAVE
130087	TREE 10 PINE	SAVE
130088	TREE 12 PINE	SAVE
130089	TREE 8 PINE	SAVE
130090	TREE 8 PINE	SAVE
130091	TREE 8(2) OAK	SAVE
130092	TREE 16 OAK	SAVE
130093	TREE 8 OAK	SAVE
130094	TREE 8 OAK	SAVE
130095	TREE 10 OAK	SAVE
130096	TREE 10 OAK	SAVE
130097	TREE 10 PINE	SAVE
130098	TREE 10(2) OAK	SAVE
130099	TREE 8 OAK	SAVE
130100	TREE 10 OAK	SAVE
130101	TREE 8 OAK	SAVE
130102	TREE 8 OAK	SAVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
130103	TREE 10 OAK	SAVE
130104	TREE 8 OAK	SAVE
130105	TREE 8 OAK	SAVE
130106	TREE 10 OAK	SAVE
130107	TREE 8 OAK	SAVE
130108	TREE 8 OAK	SAVE
130109	TREE 8 OAK	SAVE
130110	TREE 8(2) OAK	SAVE
130111	TREE 10 PINE	SAVE
130112	TREE 8 OAK	SAVE
130113	TREE 9 PINE	SAVE
130114	TREE 8 OAK	SAVE
130115	TREE 9 OAK	SAVE
130116	TREE 8 OAK	SAVE
130117	TREE 9 PINE	SAVE
130118	TREE 12 PINE	SAVE
130119	TREE 8 PINE	SAVE
130120	TREE 8 PINE	SAVE
130121	TREE 8 PINE	SAVE
130122	TREE 10 PINE	SAVE
130123	TREE 11 PINE	SAVE
130124	TREE 8 OAK	SAVE
130125	TREE 8 PINE	SAVE
130126	TREE 13 PINE	SAVE
130127	TREE 8 PINE	SAVE
130128	TREE 9 PINE	SAVE
130129	TREE 8 PINE	SAVE
130130	TREE 11 PINE	SAVE
130131	TREE 12 OAK	REMOVE
130132	TREE 13 OAK	REMOVE
130133	TREE 42 OAK	REMOVE
130134	TREE 8 OAK	REMOVE
130135	TREE 10(2) OAK	REMOVE
130136	TREE 44 OAK	REMOVE
130137	TREE 18 OAK	REMOVE
130138	TREE 28(2) 16(1) OAK	REMOVE
130139	TREE 30 OAK	REMOVE
130140	TREE 28 OAK	REMOVE
130141	TREE 16 OAK	REMOVE
130142	TREE 32 OAK	REMOVE
130143	TREE 26 OAK	REMOVE
130144	TREE 18 OAK	REMOVE
130145	TREE 28 OAK	REMOVE
130146	TREE 14 OAK	REMOVE
130147	TREE 8 OAK	REMOVE
130148	TREE 8 OAK	REMOVE
130149	TREE 8 OAK	REMOVE
130150	TREE 10 OAK	REMOVE
130151	TREE 11 OAK	REMOVE
130152	TREE 9 OAK	REMOVE
130153	TREE 30 OAK	REMOVE
130154	TREE 33 OAK	SAVE
130155	TREE 8 OAK	REMOVE
130156	TREE 30 OAK	REMOVE
130157	TREE 8 OAK	REMOVE
130158	TREE 8 OAK	REMOVE
130159	TREE 8 OAK	REMOVE
130160	TREE 8 OAK	REMOVE
130161	TREE 8 OAK	REMOVE
130162	TREE 26 OAK	REMOVE
130163	TREE 12 OAK	REMOVE
130164	TREE 13 OAK	REMOVE
130165	TREE 14 OAK	REMOVE
130166	TREE 14 OAK	SAVE
130167	TREE 12 OAK	SAVE
130168	TREE 9 OAK	SAVE
130169	TREE 10 OAK	SAVE
130170	TREE 10 OAK	SAVE
130171	TREE 12 OAK	SAVE
130172	TREE 12 OAK	SAVE
130173	TREE 36 OAK	SAVE
130174	TREE 9 OAK	REMOVE
130175	TREE 8 OAK	REMOVE
130179	TREE 8(2) OAK	SAVE
130180	TREE 8 OAK	REMOVE
130181	TREE 18(2) OAK	REMOVE
130182	TREE 12 OAK	REMOVE
130183	TREE 18 OAK	SAVE
130184	TREE 9 OAK	SAVE
130185	TREE 8 OAK	SAVE
130186	TREE 9 OAK	REMOVE
130187	TREE 8(2) 10(1) OAK	SAVE
130188	TREE 18 OAK	SAVE
130189	TREE 20 OAK	REMOVE
130190	TREE 26 OAK	REMOVE
130191	TREE 24 OAK DILLAPADED	REMOVE
130192	TREE 8 OAK	REMOVE
130193	TREE 12 OAK	SAVE
130194	TREE 8 OAK	SAVE
130195	TREE 20 OAK	SAVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
130196	TREE 18 OAK	SAVE
130197	TREE 14 OAK	REMOVE
130198	TREE 12 OAK	REMOVE
130199	TREE 24 OAK	REMOVE
130200	TREE 10 OAK	REMOVE
130201	TREE 18 OAK	REMOVE
130202	TREE 9(1) 16(2) OAK	REMOVE
130203	TREE 8 OAK	REMOVE
130204	TREE 9 OAK	REMOVE
130205	TREE 8 OAK	REMOVE
130206	TREE 38 OAK	SAVE
130207	TREE 14 OAK	SAVE
130208	TREE 8 OAK	SAVE
130209	TREE 8 OAK	SAVE
130210	TREE 8 OAK	SAVE
130211	TREE 29 OAK	SAVE
130212	TREE 6(2) 8(3) 10(1) OAK	SAVE
130213	TREE 18 OAK	SAVE
130214	TREE 8 OAK	SAVE
130215	TREE 12 OAK	SAVE
130216	TREE 8 OAK	SAVE
130217	TREE 12 OAK	SAVE
130218	TREE 10 OAK	SAVE
130219	TREE 8(2) OAK	SAVE
130220	TREE 10 OAK	SAVE
130221	TREE 8 OAK	REMOVE
130222	TREE 24 OAK	REMOVE
130223	TREE 14 OAK	REMOVE
130224	TREE 10 OAK	REMOVE
130225	TREE 12 OAK	SAVE
130226	TREE 26 OAK	SAVE
130227	TREE 8 OAK	SAVE
130228	TREE 13 OAK	SAVE
130229	TREE 10 OAK	SAVE
130230	TREE 12 OAK	SAVE
130231	TREE 12 OAK	SAVE
130232	TREE 9 OAK	SAVE
130233	TREE 20 OAK	REMOVE
130234	TREE 26 OAK	REMOVE
130235	TREE 12(2) OAK	REMOVE
130236	TREE 16 OAK	REMOVE
130237	TREE 12 OAK	REMOVE
130238	TREE 10 OAK	REMOVE
130239	TREE 8 OAK	REMOVE
130240	TREE 12 OAK	REMOVE
130241	TREE 8 OAK	REMOVE
130242	TREE 8 OAK	REMOVE
130243	TREE 8 OAK	REMOVE
130244	TREE 12 OAK	REMOVE
130245	TREE 6(1) 8(1) 10(3) OAK	REMOVE
130246	TREE 8 OAK	REMOVE
130247	TREE 10 OAK	REMOVE
130248	TREE 8 OAK DILLAPADED	REMOVE
130249	TREE 14 OAK	REMOVE
130250	TREE 9 OAK	REMOVE
130251	TREE 8 OAK	REMOVE
130252	TREE 8 OAK	REMOVE
130253	TREE 20(2) OAK	SAVE
130254	TREE 8 OAK	REMOVE
130255	TREE 22 OAK	REMOVE
130256	TREE 12 OAK	REMOVE
130258	TREE 9 OAK	REMOVE
130262	TREE 8 OAK	SAVE
130263	TREE 8(3) OAK	REMOVE
130264	TREE 8(1) 10(2) OAK	REMOVE
130265	TREE 8 OAK	REMOVE
130266	TREE 24 OAK	REMOVE
130267	TREE 8 OAK	REMOVE
130268	TREE 8(2) OAK	REMOVE
130269	TREE 8(3) OAK	REMOVE
130270	TREE 8(1) 10(3) OAK	REMOVE
130271	TREE 8 OAK	REMOVE
130272	TREE 8 OAK	REMOVE
130273	TREE 14 OAK	REMOVE
130274	TREE 8 OAK	REMOVE
130275	TREE 8(3) OAK	REMOVE
130276	TREE 8 OAK	REMOVE
130277	TREE 12 OAK	REMOVE
130278	TREE 8(2) OAK	REMOVE
130279	TREE 8(2) OAK	REMOVE
130280	TREE 24 OAK	REMOVE
130281	TREE 8 OAK	REMOVE
130282	TREE 10 OAK	REMOVE
130283	TREE 9 OAK	REMOVE
130284	TREE 8 OAK	REMOVE
130285	TREE 8 OAK	REMOVE
130286	TREE 18 OAK	REMOVE
130287	TREE 16 OAK	REMOVE
130288	TREE 10(1) 12(2) OAK	REMOVE
130289	TREE 14 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
130290	TREE 14 OAK	REMOVE
130291	TREE 22 OAK	REMOVE
130292	TREE 12 OAK	REMOVE
130293	TREE 26 OAK	REMOVE
130294	TREE 24 OAK	REMOVE
130295	TREE 18 OAK	REMOVE
130296	TREE 10 OAK	REMOVE
130297	TREE 9 OAK	REMOVE
130298	TREE 22 OAK	REMOVE
130299	TREE 13 OAK	REMOVE
130300	TREE 12 OAK	REMOVE
130301	TREE 10 OAK	REMOVE
130302	TREE 20 OAK	REMOVE
130303	TREE 8 OAK	REMOVE
130304	TREE 14 OAK	REMOVE
130305	TREE 12 OAK	REMOVE
130306	TREE 16 OAK	REMOVE
130307	TREE 10 OAK	REMOVE
130308	TREE 14 OAK	REMOVE
130309	TREE 20 OAK	REMOVE
130310	TREE 12 OAK	REMOVE
130311	TREE 12 OAK	REMOVE
130312	TREE 12 OAK	REMOVE
130313	TREE 12 OAK	REMOVE
130314	TREE 14 OAK	SAVE
130315	TREE 12 OAK	SAVE
130316	TREE 12 OAK	SAVE
130317	TREE 26 OAK	SAVE
130318	TREE 8 OAK	SAVE
130319	TREE 12 OAK	REMOVE
130320	TREE 30 OAK	SAVE
130321	TREE 8 OAK	SAVE
130322	TREE 8(3) OAK	SAVE
130323	TREE 10 OAK	SAVE
130324	TREE 8 OAK	SAVE
130325	TREE 8 OAK	SAVE
130326	TREE 16 OAK	SAVE
130327	TREE 12(2) OAK	SAVE
130328	TREE 16 OAK	SAVE
130329	TREE 20 OAK	SAVE
130330	TREE 14 OAK	SAVE
130331	TREE 8 OAK	SAVE
130332	TREE 10 OAK	SAVE
130333	TREE 8 OAK	SAVE
130334	TREE 8 OAK	SAVE
130335	TREE 8 OAK	SAVE
130336	TREE 14 OAK	SAVE
130337	TREE 16 OAK	SAVE
130338	TREE 12 OAK	SAVE
130339	TREE 30 OAK	SAVE
130340	TREE 12 OAK	SAVE
130341	TREE 8 OAK	SAVE
130342	TREE 8(2) OAK	SAVE
130343	TREE 14 OAK	REMOVE
130344	TREE 16 OAK	REMOVE
130345	TREE 20 OAK	REMOVE
130346	TREE 18 OAK	REMOVE
130347	TREE 14 OAK	REMOVE
130348	TREE 16 OAK	REMOVE
130349	TREE 14 OAK	REMOVE
130350	TREE 30 OAK	REMOVE
130351	TREE 14 OAK	REMOVE
130352	TREE 12 OAK	REMOVE
130353	TREE 8 OAK	REMOVE
130354	TREE 17 OAK	REMOVE
130355	TREE 9 OAK	REMOVE
130356	TREE 9 OAK	REMOVE
130357	TREE 24 OAK	REMOVE
130358	TREE 20 OAK	REMOVE
130359	TREE 18 OAK	REMOVE
130360	TREE 25 OAK	REMOVE
130361	TREE 18 OAK	REMOVE
130362	TREE 16 OAK	REMOVE
130363	TREE 24 OAK	REMOVE
130364	TREE 8 OAK	REMOVE
130365	TREE 8 OAK	REMOVE
130366	TREE 14 OAK	REMOVE
130367	TREE 12 OAK	REMOVE
130368	TREE 16 OAK	REMOVE
130369	TREE 24 OAK	REMOVE
130370	TREE 14 OAK	REMOVE
130371	TREE 14 OAK	REMOVE
130372	TREE 8 OAK	SAVE
130373	TREE 8 OAK	SAVE
130374	TREE 8 OAK	SAVE
130375	TREE 8 OAK	SAVE
130376	TREE 12 OAK	SAVE
130377	TREE 10 OAK	SAVE
130378	TREE 8 OAK	REMOVE
130379	TREE 8 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
130380	TREE 10 OAK	REMOVE
130381	TREE 22 OAK	REMOVE
130382	TREE 11 OAK	REMOVE
130383	TREE 18 OAK	REMOVE
130384	TREE 8 OAK	REMOVE
130385	TREE 8 OAK	REMOVE
130386	TREE 8 OAK	REMOVE
130387	TREE 16 OAK	REMOVE
130388	TREE 9 OAK	REMOVE
130389	TREE 18 OAK	REMOVE
130390	TREE 22 OAK	REMOVE
130391	TREE 8 OAK	REMOVE
130392	TREE 10 OAK	REMOVE
130393	TREE 14 OAK	SAVE
130394	TREE 8 OAK	REMOVE
130395	TREE 10 OAK	REMOVE
130396	TREE 10 OAK	REMOVE
130397	TREE 14 OAK	REMOVE
130398	TREE 10 OAK	REMOVE
130399	TREE 10 OAK	REMOVE
130400	TREE 8 OAK	REMOVE
130401	TREE 8 OAK	REMOVE
130402	TREE 9 OAK	REMOVE
130403	TREE 8 OAK	REMOVE
130404	TREE 8 OAK	REMOVE
130405	TREE 8 OAK	REMOVE
130406	TREE 8 OAK	REMOVE
130407	TREE 8(3) OAK	REMOVE
130408	TREE 8 OAK	REMOVE
130409	TREE 8 OAK	REMOVE
130410	TREE 20 OAK	REMOVE
130411	TREE 8 OAK	REMOVE
130412	TREE 10 OAK	REMOVE
130413	TREE 10 OAK	REMOVE
130414	TREE 10 OAK	REMOVE
130415	TREE 25 OAK	REMOVE
130416	TREE 10 OAK	REMOVE
130417	TREE 8 OAK	REMOVE
130418	TREE 11 OAK	REMOVE
130419	TREE 26 OAK	REMOVE
130420	TREE 24 OAK	REMOVE
130421	TREE 18 PALM	REMOVE
130422	TREE 10 OAK	REMOVE
130423	TREE 22 OAK	REMOVE
130424	TREE 8 OAK	SAVE
130425	TREE 20 OAK	SAVE
130426	TREE 12(2) OAK	SAVE
130427	TREE 10 OAK	SAVE
130428	TREE 8 OAK	SAVE
130432	TREE 12(2) OAK	SAVE
130433	TREE 8 OAK	SAVE
130434	TREE 8(1) 12(2) OAK	SAVE
130435	TREE 8 OAK	SAVE
130436	TREE 12 OAK	SAVE
130437	TREE 10 OAK	SAVE
130438	TREE 8 OAK	SAVE
130439	TREE 9 OAK	SAVE
130440	TREE 12 OAK	SAVE
130441	TREE 8(2) OAK	SAVE
130442	TREE 8 OAK	SAVE
130443	TREE 8(3) OAK	SAVE
130444	TREE 10 OAK	REMOVE
130445	TREE 12 OAK	REMOVE
130446	TREE 24 OAK	REMOVE
130447	TREE 24 OAK	REMOVE
130448	TREE 10 OAK	REMOVE
130449	TREE 8 OAK	REMOVE
130450	TREE 10 OAK	REMOVE
130451	TREE 10 OAK	REMOVE
130452	TREE 8 OAK	REMOVE
130453	TREE 8 OAK	REMOVE
130454	TREE 10 OAK	REMOVE
130455	TREE 9 OAK	REMOVE
130456	TREE 8 OAK	REMOVE
130457	TREE 8 OAK	REMOVE
130458	TREE 10 OAK	REMOVE
130459	TREE 10 OAK	REMOVE
130460	TREE 10(3) OAK	REMOVE
130461	TREE 12 OAK	REMOVE
130462	TREE 10 OAK	REMOVE
130463	TREE 10 OAK	REMOVE
130464	TREE 16 OAK	REMOVE
130465	TREE 8 OAK	REMOVE
130466	TREE 16 OAK	REMOVE
130467	TREE 8 OAK	REMOVE
130468	TREE 12 OAK	SAVE
130469	TREE 8 OAK	SAVE
130470	TREE 10 OAK	SAVE
130471	TREE 8 OAK	SAVE
130472	TREE 8 OAK	SAVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
130473	TREE 12 OAK	SAVE
130474	TREE 10 OAK	SAVE
130475	TREE 10 OAK	REMOVE
130476	TREE 13 OAK	REMOVE
130477	TREE 14 OAK	REMOVE
130478	TREE 8 OAK	REMOVE
130479	TREE 8 OAK	REMOVE
130480	TREE 8 OAK	REMOVE
130481	TREE 8(2) OAK	REMOVE
130482	TREE 8(2) OAK	REMOVE
130483	TREE 8 OAK	REMOVE
130484	TREE 10 OAK	REMOVE
130485	TREE 14 OAK	REMOVE
130486	TREE 20 OAK	REMOVE
130487	TREE 8 OAK	REMOVE
130488	TREE 12 OAK	REMOVE
130489	TREE 12(2) OAK	REMOVE
130490	TREE 12 OAK	REMOVE
130491	TREE 10(4) OAK	REMOVE
130492	TREE 12 OAK	REMOVE
130493	TREE 8 OAK	REMOVE
130494	TREE 10 OAK	REMOVE
130495	TREE 16 OAK	REMOVE
130496	TREE 12 OAK	REMOVE
130497	TREE 14 OAK	REMOVE
130498	TREE 10 OAK	REMOVE
130499	TREE 10 OAK	REMOVE
130500	TREE 10 OAK	REMOVE
130501	TREE 8 OAK	REMOVE
130502	TREE 12 OAK	REMOVE
130503	TREE 12 OAK	REMOVE
130504	TREE 8 OAK	REMOVE
130505	TREE 8 OAK	REMOVE
130506	TREE 12 OAK	REMOVE
130507	TREE 8 OAK	REMOVE
130508	TREE 8 OAK	REMOVE
130509	TREE 12 OAK	REMOVE
130510	TREE 8 OAK	REMOVE
130511	TREE 12 OAK	REMOVE
130512	TREE 12 OAK	SAVE
130513	TREE 8 OAK	REMOVE
130514	TREE 8 OAK	SAVE
130515	TREE 8 OAK	REMOVE
130516	TREE 8 OAK	REMOVE
130517	TREE 8 OAK	REMOVE
130518	TREE 8 OAK	REMOVE
130519	TREE 8 OAK	REMOVE
130520	TREE 12 OAK	REMOVE
130521	TREE 10 OAK	REMOVE
130522	TREE 10 OAK	REMOVE
130523	TREE 12 OAK	REMOVE
130524	TREE 8 OAK	REMOVE
130525	TREE 10 OAK	REMOVE
130526	TREE 8 OAK	REMOVE
130527	TREE 8 OAK	REMOVE
130528	TREE 12 OAK	REMOVE
130529	TREE 10 OAK	REMOVE
130530	TREE 8(2) OAK	REMOVE
130531	TREE 14 OAK	REMOVE
130534	TREE 8 OAK	REMOVE
130535	TREE 8 OAK	REMOVE
130536	TREE 8 OAK	REMOVE
130537	TREE 8 OAK	REMOVE
130538	TREE 12 OAK	REMOVE
130539	TREE 13 OAK	REMOVE
130540	TREE 8(2) OAK	REMOVE
130541	TREE 16 OAK	SAVE
130542	TREE 10(2) OAK	SAVE
130543	TREE 8(3) OAK	SAVE
130544	TREE 10 OAK	SAVE
130545	TREE 16 OAK	SAVE
130546	TREE 8 OAK	SAVE
130547	TREE 10(1) 12(1) 14(1) OAK	SAVE
130548	TREE 9 OAK	REMOVE
130549	TREE 10 OAK	REMOVE
130550	TREE 8(2) OAK	REMOVE
130551	TREE 8 OAK	REMOVE
130552	TREE 8 OAK	REMOVE
130553	TREE 8 OAK	REMOVE
130554	TREE 10 OAK	REMOVE
130555	TREE 9 OAK	REMOVE
130556	TREE 8 OAK	REMOVE
130557	TREE 13 OAK	REMOVE
130558	TREE 12 OAK	REMOVE
130559	TREE 10 OAK	REMOVE
130560	TREE 16 OAK	REMOVE
130561	TREE 11 OAK	REMOVE
130562	TREE 10 OAK	REMOVE
130563	TREE 10 OAK	REMOVE
130564	TREE 16 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
130565	TREE 14 OAK	REMOVE
130566	TREE 10(2) OAK	REMOVE
130567	TREE 8 OAK	REMOVE
130568	TREE 8 OAK	REMOVE
130569	TREE 16 OAK	REMOVE
130570	TREE 12 OAK	REMOVE
130571	TREE 10 OAK	REMOVE
130572	TREE 10 OAK	REMOVE
130573	TREE 10 OAK	REMOVE
130574	TREE 8 OAK	REMOVE
130575	TREE 10 OAK	REMOVE
130576	TREE 10(1) 12(1) OAK	REMOVE
130577	TREE 8(1) 10(1) 12(4) OAK	REMOVE
130578	TREE 8 OAK	REMOVE
130579	TREE 10 OAK	REMOVE
130580	TREE 12 PINE	REMOVE
130581	TREE 10 OAK	REMOVE
130582	TREE 36 OAK	REMOVE
130583	TREE 16 OAK	REMOVE
130584	TREE 10 OAK	REMOVE
130585	TREE 14 OAK	REMOVE
130586	TREE 8(2) 10(1) OAK	REMOVE
130587	TREE 12 OAK	REMOVE
130588	TREE 12 OAK	REMOVE
130589	TREE 8 OAK	REMOVE
130590	TREE 8 OAK	REMOVE
130591	TREE 14 OAK	REMOVE
130592	TREE 6(1) 10(1) 12(1) OAK	REMOVE
130593	TREE 12 OAK	REMOVE
130594	TREE 8(2) OAK	REMOVE
130595	TREE 8 OAK	REMOVE
130596	TREE 8 OAK	REMOVE
130597	TREE 8 OAK	REMOVE
130598	TREE 24 OAK	REMOVE
130599	TREE 8 OAK	REMOVE
130600	TREE 9 OAK	REMOVE
130601	TREE 8 OAK	REMOVE
130602	TREE 10 OAK	REMOVE
130603	TREE 8(2) OAK	REMOVE
130604	TREE 8 OAK	REMOVE
130605	TREE 16 OAK	REMOVE
130606	TREE 8 OAK	REMOVE
130607	TREE 10 OAK	REMOVE
130608	TREE 10 OAK	REMOVE
130609	TREE 12 OAK	REMOVE
130610	TREE 8 OAK	REMOVE
130611	TREE 14 OAK	REMOVE
130612	TREE 14 OAK	REMOVE
130613	TREE 16 OAK	REMOVE
130614	TREE 10(3) OAK	REMOVE
130615	TREE 12 OAK	REMOVE
130616	TREE 10 OAK	REMOVE
130617	TREE 8 OAK	REMOVE
130618	TREE 8 OAK	REMOVE
130619	TREE 8 OAK	REMOVE
130620	TREE 18 OAK	REMOVE
130621	TREE 9 OAK	REMOVE
130622	TREE 8(3) 10(1) OAK	REMOVE
130623	TREE 8 OAK	REMOVE
130624	TREE 8 OAK	REMOVE
130625	TREE 8 OAK	REMOVE
130626	TREE 8 OAK	REMOVE
130627	TREE 8 OAK	REMOVE
130628	TREE 8 OAK	REMOVE
130629	TREE 8 OAK	REMOVE
130630	TREE 8 OAK	REMOVE
130631	TREE 8 OAK	REMOVE
130632	TREE 9 OAK	REMOVE
130633	TREE 12 OAK	REMOVE
130634	TREE 8 OAK	REMOVE
130635	TREE 8 OAK	REMOVE
130636	TREE 8 OAK	REMOVE
130637	TREE 8 OAK	REMOVE
130638	TREE 16 OAK	REMOVE
130639	TREE 18 OAK	REMOVE
130640	TREE 24 OAK	REMOVE
130643	TREE 8(2) OAK	REMOVE
130644	TREE 8 OAK	REMOVE
130645	TREE 8 OAK	REMOVE
130646	TREE 13 OAK	REMOVE
130647	TREE 14 OAK	REMOVE
130648	TREE 9 OAK	REMOVE
130649	TREE 6(1) 8(1)10(1) OAK	REMOVE
130650	TREE 12(2) OAK	SAVE
130651	TREE 8 OAK	SAVE
130652	TREE 16(4) OAK	SAVE
130653	TREE 8 OAK	SAVE
130654	TREE 9 OAK	SAVE
130655	TREE 8 OAK	REMOVE
130656	TREE 10 OAK	SAVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
130657	TREE 12(1) 14(1) 18(1) OAK	SAVE
130658	TREE 16 OAK	SAVE
130659	TREE 8 OAK	REMOVE
130660	TREE 8 OAK	REMOVE
130661	TREE 8 OAK	REMOVE
130662	TREE 11 OAK	REMOVE
130663	TREE 12 OAK	REMOVE
130664	TREE 14 OAK	REMOVE
130665	TREE 14 OAK	REMOVE
130666	TREE 8 OAK	REMOVE
130667	TREE 10 OAK	REMOVE
130668	TREE 8 OAK	REMOVE
130669	TREE 10 OAK	REMOVE
130670	TREE 10(2) OAK	REMOVE
130671	TREE 14 OAK	REMOVE
130672	TREE 8 OAK	REMOVE
130673	TREE 8 OAK	REMOVE
130674	TREE 8(4) OAK	REMOVE
130675	TREE 12 OAK	REMOVE
130676	TREE 26 OAK	REMOVE
130677	TREE 10 OAK	REMOVE
130678	TREE 8 OAK	REMOVE
130679	TREE 8 OAK	REMOVE
130680	TREE 10 OAK	REMOVE
130681	TREE 8 OAK	REMOVE
130682	TREE 8 OAK	REMOVE
130683	TREE 12(1) 16(1) OAK	REMOVE
130684	TREE 8 OAK	REMOVE
130685	TREE 12 OAK	REMOVE
130686	TREE 14(2) OAK	REMOVE
130687	TREE 9 OAK	REMOVE
130688	TREE 8 OAK	REMOVE
130689	TREE 8 OAK	REMOVE
130690	TREE 10 OAK	REMOVE
130691	TREE 30 OAK	REMOVE
130692	TREE 20 OAK	SAVE
130693	TREE 12 OAK	SAVE
130694	TREE 12 OAK	SAVE
130695	TREE 10 OAK	SAVE
130696	TREE 30 OAK	SAVE
130697	TREE 8 OAK	SAVE
130698	TREE 8 OAK	SAVE
130699	TREE 8 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
130938	TREE 8 OAK	SAVE
130939	TREE 8 OAK	SAVE
130940	TREE 10 OAK	SAVE
130941	TREE 20 OAK	REMOVE
130942	TREE 22 OAK	REMOVE
130943	TREE 20 OAK	SAVE
130944	TREE 8 OAK	REMOVE
130945	TREE 24 OAK	REMOVE
130946	TREE 10 OAK	REMOVE
130947	TREE 18 OAK	REMOVE
130948	TREE 16 OAK	REMOVE
130949	TREE 20 OAK	REMOVE
130953	TREE 15 PALM	REMOVE
130954	TREE 20 OAK	REMOVE
130955	TREE 18 OAK	REMOVE
130956	TREE 16 OAK	REMOVE
130957	TREE 24 OAK	REMOVE
130958	TREE 18 OAK	REMOVE
130959	TREE 10 OAK	REMOVE
130960	TREE 8 OAK	REMOVE
130961	TREE 12 OAK	REMOVE
130962	TREE 8 OAK	REMOVE
130963	TREE 8(2) OAK	REMOVE
130964	TREE 8 OAK	REMOVE
130965	TREE 24 OAK	REMOVE
130966	TREE 28 OAK	REMOVE
130967	TREE 26 OAK	REMOVE
130968	TREE 8 OAK	REMOVE
130969	TREE 8 OAK	REMOVE
130970	TREE 12 OAK	REMOVE
130971	TREE 8 OAK	REMOVE
130972	TREE 8 OAK	REMOVE
130973	TREE 12 OAK	REMOVE
130974	TREE 10 OAK	REMOVE
130975	TREE 8 OAK	REMOVE
130976	TREE 28 OAK	REMOVE
130977	TREE 8 OAK	REMOVE
130978	TREE 14 OAK	REMOVE
130979	TREE 14 OAK	REMOVE
130980	TREE 20 OAK	REMOVE
130981	TREE 12 OAK	REMOVE
130982	TREE 8 OAK	REMOVE
130983	TREE 10 OAK	REMOVE
130984	TREE 12 OAK	REMOVE
130985	TREE 12 PALM	REMOVE
130986	TREE 14 PALM	REMOVE
130987	TREE 36 OAK	REMOVE
130988	TREE 8(1) 12(1) 14(1) 16(1) OAK	REMOVE
130989	TREE 8 OAK	REMOVE
130990	TREE 12 PALM	REMOVE
130991	TREE 14 PALM	REMOVE
130992	TREE 8 OAK	REMOVE
130993	TREE 28 OAK	REMOVE
130994	TREE 16 OAK	REMOVE
130995	TREE 16 OAK	REMOVE
130996	TREE 18 OAK	REMOVE
130997	TREE 12 OAK	REMOVE
130998	TREE 14(2) OAK	REMOVE
130999	TREE 10 OAK	REMOVE
131000	TREE 8 OAK	REMOVE
131001	TREE 15 OAK	REMOVE
131002	TREE 10 OAK	REMOVE
131003	TREE 8 OAK	REMOVE
131004	TREE 9 OAK	REMOVE
131005	TREE 10 OAK	REMOVE
131006	TREE 9 OAK	REMOVE
131007	TREE 14 OAK	REMOVE
131008	TREE 8 OAK	REMOVE
131009	TREE 14 OAK	REMOVE
131010	TREE 12 OAK	REMOVE
131011	TREE 12(5) PALM	REMOVE
131012	TREE 12(4) PALM	REMOVE
131013	TREE 12 OAK	REMOVE
131014	TREE 11 OAK	REMOVE
131015	TREE 12 OAK	REMOVE
131016	TREE 12 OAK	REMOVE
131017	TREE 10 OAK	REMOVE
131018	TREE 12 PALM	REMOVE
131019	TREE 12 PALM	REMOVE
131020	TREE 24 OAK	REMOVE
131021	TREE 8 OAK	REMOVE
131022	TREE 10 OAK	REMOVE
131023	TREE 10 OAK	REMOVE
131024	TREE 8 OAK	REMOVE
131025	TREE 8 OAK	REMOVE
131026	TREE 8 OAK	REMOVE
131027	TREE 13 OAK	REMOVE
131028	TREE 14 OAK	REMOVE
131029	TREE 10 OAK	REMOVE
131030	TREE 10 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
131031	TREE 10 OAK	REMOVE
131032	TREE 12 OAK	REMOVE
131033	TREE 20 OAK	REMOVE
131034	TREE 16 PALM	REMOVE
131035	TREE 10 OAK	REMOVE
131036	TREE 10 OAK	REMOVE
131037	TREE 8 OAK	REMOVE
131038	TREE 12 OAK	REMOVE
131039	TREE 8 OAK	REMOVE
131040	TREE 12 OAK	REMOVE
131041	TREE 8 OAK	REMOVE
131042	TREE 8 OAK	REMOVE
131043	TREE 52 OAK	REMOVE
131044	TREE 25 OAK	REMOVE
131045	TREE 8 OAK	REMOVE
131046	TREE 8 OAK	REMOVE
131047	TREE 8 OAK	REMOVE
131048	TREE 8 OAK	REMOVE
131049	TREE 8 OAK	REMOVE
131050	TREE 18 OAK	REMOVE
131051	TREE 10 OAK	REMOVE
131052	TREE 8(2) OAK	REMOVE
131053	TREE 10 OAK	SAVE
131054	TREE 10 OAK	SAVE
131055	TREE 14 PALM	REMOVE
131056	TREE 12 PALM	REMOVE
131057	TREE 52 OAK	REMOVE
131058	TREE 48 OAK	REMOVE
131059	TREE 8 OAK	SAVE
131060	TREE 10 OAK	REMOVE
131061	TREE 14 OAK	REMOVE
131062	TREE 12 OAK	REMOVE
131063	TREE 72 OAK	REMOVE
131064	TREE 12 OAK	REMOVE
131065	TREE 32 OAK	REMOVE
131066	TREE 16 OAK	REMOVE
131067	TREE 26 OAK	REMOVE
131068	TREE 10 OAK	SAVE
131069	TREE 8 OAK	SAVE
131070	TREE 10 OAK	REMOVE
131071	TREE 34 OAK	REMOVE
131072	TREE 34 OAK	REMOVE
131073	TREE 10 OAK	REMOVE
131074	TREE 16 OAK	REMOVE
131075	TREE 18 OAK	REMOVE
131076	TREE 11 OAK	REMOVE
131077	TREE 12 OAK	REMOVE
131078	TREE 8 OAK	REMOVE
131079	TREE 12 OAK	REMOVE
131080	TREE 22 OAK	REMOVE
131081	TREE 10 OAK	REMOVE
131082	TREE 8(2) OAK	REMOVE
131083	TREE 8(3) OAK	REMOVE
131084	TREE 48 OAK	REMOVE
131085	TREE 8 OAK	REMOVE
131086	TREE 12 OAK	REMOVE
131087	TREE 14 OAK	REMOVE
131088	TREE 8 OAK	REMOVE
131089	TREE 10 OAK	REMOVE
131090	TREE 16 OAK	REMOVE
131091	TREE 12 OAK	REMOVE
131092	TREE 18 OAK	REMOVE
131093	TREE 8 OAK	REMOVE
131094	TREE 8 OAK	REMOVE
131095	TREE 70 OAK	REMOVE
131096	TREE 12 OAK	REMOVE
131097	TREE 8 OAK	REMOVE
131098	TREE 10 PALM	REMOVE
131099	TREE 16 PALM	REMOVE
131100	TREE 12 OAK	REMOVE
131101	TREE 10 OAK	REMOVE
131102	TREE 14 OAK	REMOVE
131103	TREE 10 PALM	REMOVE
131104	TREE 14 PALM	REMOVE
131105	TREE 12 PALM	REMOVE
131106	TREE 16 PALM	REMOVE
131107	TREE 10 OAK	REMOVE
131108	TREE 10 OAK	REMOVE
131109	TREE 52 OAK	REMOVE
131110	TREE 10 OAK	REMOVE
131111	TREE 10 OAK	REMOVE
131112	TREE 12 OAK	REMOVE
131113	TREE 10 OAK	REMOVE
131114	TREE 8 OAK	REMOVE
131115	TREE 30 OAK	REMOVE
131116	TREE 8 OAK	REMOVE
131117	TREE 14 OAK	REMOVE
131118	TREE 16 PALM	REMOVE
131119	TREE 12 OAK	REMOVE
131120	TREE 12 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
131121	TREE 26 OAK	REMOVE
131122	TREE 12 OAK	REMOVE
131123	TREE 24 OAK	REMOVE
131124	TREE 8 OAK	REMOVE
131125	TREE 26 OAK	REMOVE
131126	TREE 38 OAK	REMOVE
131127	TREE 36 OAK	REMOVE
131128	TREE 42 OAK	REMOVE
131129	TREE 8 OAK	REMOVE
131130	TREE 10 OAK	REMOVE
131131	TREE 8 OAK	REMOVE
131132	TREE 10 OAK	REMOVE
131133	TREE 10 OAK	REMOVE
131134	TREE 10 OAK	REMOVE
131135	TREE 12 PALM	REMOVE
131136	TREE 12 PALM	REMOVE
131137	TREE 12 PALM	REMOVE
131138	TREE 12 OAK	REMOVE
131139	TREE 12 OAK	REMOVE
131140	TREE 12 OAK	REMOVE
131141	TREE 8 OAK	REMOVE
131142	TREE 8 OAK	REMOVE
131143	TREE 10 OAK	REMOVE
131144	TREE 10 OAK	REMOVE
131145	TREE 8 OAK	REMOVE
131146	TREE 12 OAK	REMOVE
131147	TREE 12 OAK	REMOVE
131148	TREE 8 OAK	REMOVE
131149	TREE 18 OAK	REMOVE
131150	TREE 14 OAK	REMOVE
131151	TREE 12 OAK	REMOVE
131154	TREE 14 OAK	REMOVE
131155	TREE 8 OAK	REMOVE
131156	TREE 8 OAK	REMOVE
131157	TREE 14 PALM	REMOVE
131158	TREE 8 OAK	REMOVE
131159	TREE 8 OAK	REMOVE
131160	TREE 10 OAK	REMOVE
131161	TREE 12 OAK	REMOVE
131162	TREE 16 OAK	REMOVE
131163	TREE 8 OAK	REMOVE
131164	TREE 14 OAK	REMOVE
131165	TREE 16 OAK	REMOVE
131166	TREE 10 OAK	REMOVE
131167	TREE 14 OAK	REMOVE
131168	TREE 26 OAK	REMOVE
131169	TREE 8 OAK	REMOVE
131170	TREE 14 PALM	REMOVE
131171	TREE 12 PALM	REMOVE
131172	TREE 14 PALM	REMOVE
131173	TREE 14 PALM	REMOVE
131174	TREE 14 PALM	REMOVE
131175	TREE 12(3) PALM	REMOVE
131176	TREE 16 PALM	REMOVE
131177	TREE 12 PALM	REMOVE
131178	TREE 12 PALM	REMOVE
131179	TREE 10 OAK	REMOVE
131180	TREE 14 OAK	REMOVE
131181	TREE 12 PALM	REMOVE
131182	TREE 12 PALM	REMOVE
131183	TREE 10 OAK	REMOVE
131184	TREE 12 PALM	REMOVE
131185	TREE 10 PALM	REMOVE
131186	TREE 12 PALM	REMOVE
131187	TREE 14 PALM	REMOVE
131188	TREE 10 OAK	REMOVE
131189	TREE 12 OAK	REMOVE
131190	TREE 12 OAK	REMOVE
131191	TREE 17 OAK	REMOVE
131192	TREE 8 OAK	REMOVE
131193	TREE 18 OAK	REMOVE
131194	TREE 16 OAK	REMOVE
131195	TREE 16 OAK	REMOVE
131196	TREE 18 OAK	REMOVE
131197	TREE 12 OAK	REMOVE
131198	TREE 12(2) OAK	REMOVE
131199	TREE 12(2) OAK	REMOVE
131200	TREE 12 OAK	REMOVE
131201	TREE 12 OAK	REMOVE
131202	TREE 12 OAK	REMOVE
131203	TREE 34 OAK	REMOVE
131204	TREE 10 OAK	REMOVE
131205	TREE 8 OAK	REMOVE
131206	TREE 14 OAK	REMOVE
131207	TREE 14 OAK	REMOVE
131208	TREE 8 OAK	REMOVE
131209	TREE 8 OAK	REMOVE
131210	TREE 8 OAK	REMOVE
131211	TREE 12 OAK	REMOVE
131212	TREE 32 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
131213	TREE 12 OAK	REMOVE
131214	TREE 12 OAK	REMOVE
131215	TREE 12 OAK	REMOVE
131216	TREE 12 OAK	REMOVE
131217	TREE 8 OAK	REMOVE
131218	TREE 12 OAK	REMOVE
131219	TREE 8 OAK	REMOVE
131220	TREE 8 OAK	REMOVE
131221	TREE 32 OAK	REMOVE
131222	TREE 8 OAK	REMOVE
131223	TREE 10 OAK	REMOVE
131224	TREE 9 OAK	REMOVE
131225	TREE 20 OAK	REMOVE
131226	TREE 14 OAK	REMOVE
131227	TREE 12 OAK	REMOVE
131228	TREE 12 OAK	REMOVE
131229	TREE 8(1) 12(1) OAK	REMOVE
131230	TREE 18 OAK	REMOVE
131231	TREE 22 OAK	REMOVE
131232	TREE 16 OAK	REMOVE
131233	TREE 18 OAK	REMOVE
131234	TREE 8 OAK	REMOVE
131235	TREE 8(3) OAK	REMOVE
131236	TREE 12 OAK	REMOVE
131237	TREE 12 OAK	SAVE
131238	TREE 12 OAK	SAVE
131239	TREE 8 OAK	SAVE
131240	TREE 10 OAK	SAVE
131241	TREE 10 OAK	SAVE
131242	TREE 8 OAK	SAVE
131243	TREE 8 OAK	SAVE
131244	TREE 8 OAK	SAVE
131245	TREE 12 PALM	SAVE
131246	TREE 12 PALM	SAVE
131247	TREE 14 PALM	SAVE
131248	TREE 8 OAK	SAVE
131249	TREE 8 OAK	SAVE
131250	TREE 12 PALM	SAVE
131251	TREE 8 OAK	SAVE
131252	TREE 8(1)10(1) OAK	SAVE
131253	TREE 12(2) OAK	SAVE
131254	TREE 8 OAK	SAVE
131255	TREE 12 PALM	SAVE
131256	TREE 12 PALM	SAVE
140631	TREE 14 OAK	SAVE
140632	TREE 8(1) 12(1) OAK	SAVE
140633	TREE 8 PINE	SAVE
140634	TREE 16 OAK	REMOVE
140635	TREE 12 OAK	REMOVE
140636	TREE 9 OAK	REMOVE
140637	TREE 8 OAK	REMOVE
140638	TREE 8 OAK	REMOVE
140639	TREE 8 OAK	REMOVE
140640	TREE 8 OAK	REMOVE
140641	TREE 8 OAK	REMOVE
140642	TREE 10 OAK	REMOVE
140643	TREE 16 OAK	REMOVE
140644	TREE 16 OAK	REMOVE
140645	TREE 10 OAK DECAYED	REMOVE
140646	TREE 8(2) OAK	REMOVE
140647	TREE 12 OAK	REMOVE
140648	TREE 8 OAK	REMOVE
140649	TREE 22 OAK	REMOVE
140650	TREE 8 OAK	REMOVE
140651	TREE 10 OAK	REMOVE
140652	TREE 8 OAK	REMOVE
140653	TREE 18 OAK	REMOVE
140654	TREE 8 OAK	REMOVE
140655	TREE 14 OAK	REMOVE
140656	TREE 14 OAK	REMOVE
140657	TREE 24 OAK	REMOVE
140658	TREE 8 OAK	REMOVE
140659	TREE 22 OAK	REMOVE
140660	TREE 10 OAK	SAVE
140661	TREE 36 OAK	SAVE
140662	TREE 28 OAK	SAVE
140663	TREE 14 OAK	REMOVE
140664	TREE 12 OAK	REMOVE
140665	TREE 24 OAK	REMOVE
140666	TREE 14 OAK	REMOVE
140667	TREE 14 OAK	REMOVE
140668	TREE 8 OAK	REMOVE
140669	TREE 24 OAK	REMOVE
140670	TREE 8 OAK	REMOVE
140671	TREE 8 OAK	REMOVE
140672	TREE 10 OAK	REMOVE
140673	TREE 32 OAK	REMOVE
140674	TREE 8 OAK	REMOVE
140675	TREE 12 OAK	REMOVE
140676	TREE 12 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
140677	TREE 34 OAK	REMOVE
140678	TREE 12 OAK	REMOVE
140680	TREE 14 OAK	REMOVE
140681	TREE 9 OAK	REMOVE
140682	TREE 8 OAK	REMOVE
140683	TREE 8 OAK	REMOVE
140684	TREE 8 OAK	REMOVE
140685	TREE 8 OAK	REMOVE
140686	TREE 10 OAK	REMOVE
140687	TREE 14 OAK	REMOVE
140688	TREE 10 OAK	REMOVE
140689	TREE 8 OAK	REMOVE
140690	TREE 10 OAK	REMOVE
140691	TREE 8 OAK	REMOVE
140692	TREE 8 OAK	REMOVE
140693	TREE 12 OAK	REMOVE
140694	TREE 14 OAK	REMOVE
140695	TREE 16 OAK	REMOVE
140696	TREE 14 OAK	REMOVE
140697	TREE 10 OAK	REMOVE
140698	TREE 10 OAK	REMOVE
140699	TREE 10 OAK	REMOVE
140700	TREE 8 OAK	REMOVE
140701	TREE 10 OAK	REMOVE
140702	TREE 10 OAK	REMOVE
150065	TREE 24 OAK	REMOVE
150066	TREE 12 OAK	REMOVE
150067	TREE 7 OAK	REMOVE
150068	TREE 15 OAK	REMOVE
150069	TREE 14 OAK	REMOVE
150070	TREE 8 OAK	REMOVE
150071	TREE 10 OAK	REMOVE
150072	TREE 9 OAK	REMOVE
150073	TREE 11 OAK	REMOVE
150074	TREE 12 OAK	REMOVE
150075	TREE 11 OAK	REMOVE
150076	TREE 15 OAK	REMOVE
150077	TREE 11 OAK	REMOVE
150078	TREE 12 OAK	REMOVE
150079	TREE 8 OAK	REMOVE
150080	TREE 12 OAK	REMOVE
150081	TREE 8 UNKNOWN	REMOVE
150082	TREE 5 ORANGE	REMOVE
150083	TREE 12 OAK	REMOVE
150084	TREE 11 OAK	REMOVE
150085	TREE 8 OAK	REMOVE
150086	TREE 7 OAK	REMOVE
150087	TREE 10 OAK	REMOVE
150088	TREE 9 OAK	REMOVE
150089	TREE 5 OAK	REMOVE
150092	TREE 9 OAK	REMOVE
150093	TREE 13 OAK	REMOVE
150094	TREE 9 OAK	REMOVE
150095	TREE 14 CABBAGE PALM	REMOVE
150096	TREE 14 CABBAGE PALM	REMOVE
150097	TREE 8 OAK	REMOVE
150098	TREE 14 CABBAGE PALM	REMOVE
150099	TREE 15 OAK	REMOVE
150100	TREE 9 OAK	REMOVE
150101	TREE 9 OAK	REMOVE
150102	TREE 13 OAK	REMOVE
150103	TREE 11 OAK	REMOVE
150104	TREE 11 OAK	REMOVE
150105	TREE 8 OAK	REMOVE
150106	TREE 13 OAK	REMOVE
150107	TREE 8 OAK	REMOVE
150108	TREE 14 OAK	REMOVE
150109	TREE 32 OAK	REMOVE
150110	TREE 17 OAK	REMOVE
150111	TREE 15 PALM CABBAGE	REMOVE
150112	TREE 12 OAK	REMOVE
150113	TREE 13 OAK	REMOVE
150114	TREE 15 OAK	REMOVE
150115	TREE 8 OAK	REMOVE
150116	TREE 21 OAK	REMOVE
150117	TREE 17 OAK	REMOVE
150118	TREE 35 OAK	REMOVE
150119	TREE 30 OAK	REMOVE
150120	TREE 36 OAK	REMOVE
150121	TREE 13 OAK	REMOVE
150122	TREE 17 OAK	REMOVE
150123	TREE 43 OAK	REMOVE
150124	TREE 29 OAK	REMOVE
150125	TREE 24 OAK	REMOVE
150126	TREE 26 OAK	REMOVE
150127	TREE 42 OAK	REMOVE
150128	TREE 29 OAK	REMOVE
150129	TREE 22 OAK	REMOVE
150130	TREE 17 OAK	REMOVE
150131	TREE 15 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
150132	TREE 4 OAK	REMOVE
150133	TREE 8 OAK	REMOVE
150134	TREE 5 OAK	REMOVE
150135	TREE 7 OAK	REMOVE
150136	TREE 5 OAK	REMOVE
150137	TREE 13 OAK	REMOVE
150138	TREE 12 PALM CABBAGE	REMOVE
150139	TREE 12 PALM CABBAGE	REMOVE
150140	TREE 14 OAK	REMOVE
150141	TREE 36 OAK	REMOVE
150142	TREE 35 OAK	REMOVE
150143	TREE 14 PALM CABBAGE	REMOVE
150144	TREE 24 OAK	REMOVE
150145	TREE 40 OAK	REMOVE
150146	TREE 12 OAK	REMOVE
150147	TREE 8 OAK	REMOVE
150148	TREE 17 OAK	REMOVE
150149	TREE 5 OAK	REMOVE
150150	TREE 42 OAK	REMOVE
150151	TREE 4 OAK	REMOVE
150152	TREE 11 OAK	REMOVE
150153	TREE 12 OAK	REMOVE
150154	TREE 21 OAK	REMOVE
150155	TREE 36 OAK	REMOVE
150156	TREE 21 BIRCH	REMOVE
150157	TREE 10 OAK	REMOVE
150158	TREE 11 OAK	REMOVE
150159	TREE 9 OAK	REMOVE
150160	TREE 14 OAK	REMOVE
150161	TREE 14 OAK	REMOVE
150162	TREE 11 OAK	REMOVE
150163	TREE 14 OAK	REMOVE
150164	TREE 10 OAK	REMOVE
150165	TREE 21 OAK	REMOVE
150166	TREE 11 OAK	REMOVE
150167	TREE 11 OAK	REMOVE
150168	TREE 13 OAK	REMOVE
150169	TREE 9 OAK	REMOVE
150170	TREE 5 OAK	REMOVE
150171	TREE 9 OAK	REMOVE
150172	TREE 4 OAK	REMOVE
150173	TREE 15 OAK	REMOVE
150174	TREE 10 OAK	REMOVE
150175	TREE 8 OAK	REMOVE
150176	TREE 13 OAK	REMOVE
150177	TREE 11 OAK	REMOVE
150178	TREE 11 OAK	REMOVE
150179	TREE 8 OAK	REMOVE
150180	TREE 8 OAK	REMOVE
150181	TREE 15 OAK	REMOVE
150182	TREE 9 OAK	REMOVE
150183	TREE 11 OAK	REMOVE
150184	TREE 16 OAK	REMOVE
150185	TREE 13 OAK	REMOVE
150186	TREE 19 OAK	REMOVE
150187	TREE 12 OAK	REMOVE
150188	TREE 12 OAK	REMOVE
150189	TREE 15 OAK	REMOVE
150190	TREE 12 OAK	REMOVE
150191	TREE 9 OAK	REMOVE
150192	TREE 18 OAK	REMOVE
150193	TREE 13 OAK	REMOVE
150194	TREE 12 OAK	REMOVE
150195	TREE 9 OAK	REMOVE
150196	TREE 17 OAK	REMOVE
150197	TREE 19 OAK	REMOVE
150198	TREE 5 OAK	REMOVE
150199	TREE 11 OAK	REMOVE
150200	TREE 12 OAK	REMOVE
150203	TREE 8 OAK	REMOVE
150204	TREE 6 OAK	REMOVE
150205	TREE 13 OAK	REMOVE
150206	TREE 13 OAK	REMOVE
150207	TREE 6 OAK	REMOVE
150208	TREE 21 OAK	REMOVE
150209	TREE 11 OAK	REMOVE
150210	TREE 4 OAK	REMOVE
150211	TREE 10 OAK	REMOVE
150212	TREE 12 OAK	REMOVE
150213	TREE 9 OAK	REMOVE
150214	TREE 10 OAK	REMOVE
150215	TREE 14 PALM CABBAGE	REMOVE
150216	TREE 15 PALM CABBAGE	REMOVE
150217	TREE 12 PALM CABBAGE	REMOVE
150218	TREE 18 OAK	REMOVE
150219	TREE 7 OAK	REMOVE
150220	TREE 10 OAK	REMOVE
150221	TREE 6 OAK	REMOVE
150222	TREE 12 OAK	REMOVE
150223	TREE 13 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
150224	TREE 7 OAK	REMOVE
150225	TREE 14 PALM CABBAGE	REMOVE
150226	TREE 9 OAK	REMOVE
150227	TREE 11 PALM CABBAGE	REMOVE
150228	TREE 17 OAK	REMOVE
150229	TREE 8 PALM CABBABE	REMOVE
150230	TREE 9 OAK	REMOVE
150231	TREE 15 OAK	REMOVE
150232	TREE 19 OAK	REMOVE
150233	TREE 9 OAK	REMOVE
150234	TREE 9 OAK	REMOVE
150235	TREE 9 OAK	REMOVE
150236	TREE 5 OAK	REMOVE
150237	TREE 9 PALM CABBAGE	REMOVE
150238	TREE 14 OAK	REMOVE
150239	TREE 7 OAK	REMOVE
150240	TREE 6 OAK	REMOVE
150241	TREE 20 OAK	REMOVE
150242	TREE 5 OAK	REMOVE
150243	TREE 15 PALM CABBAGE	REMOVE
150244	TREE 15 PALM CABBAGE	REMOVE
150245	TREE 13 OAK	REMOVE
150246	TREE 7 OAK	REMOVE
150247	TREE 16 PALM CABBAGE	REMOVE
150248	TREE 16 OAK	REMOVE
150249	TREE 11 OAK	REMOVE
150250	TREE 13 OAK	REMOVE
150251	TREE 12 OAK	REMOVE
150252	TREE 13 OAK	REMOVE
150253	TREE 14 OAK	REMOVE
150254	TREE 11 OAK	REMOVE
150255	TREE 10 OAK	REMOVE
150256	TREE 14 OAK	REMOVE
150257	TREE 4 OAK	REMOVE
150258	TREE 8 OAK	REMOVE
150259	TREE 7 OAK	REMOVE
150260	TREE 9 OAK	REMOVE
150261	TREE 9 OAK	REMOVE
150262	TREE 17 OAK	REMOVE
150263	TREE 4 OAK	REMOVE
150264	TREE 13 OAK	REMOVE
150265	TREE 14 OAK	REMOVE
150266	TREE 7 OAK	REMOVE
150267	TREE 15 OAK	REMOVE
150268	TREE 9 OAK	REMOVE
150269	TREE 16 OAK	REMOVE
150270	TREE 9 OAK	REMOVE
150271	TREE 13 OAK	REMOVE
150272	TREE 18 OAK	REMOVE
150273	TREE 7 OAK	REMOVE
150274	TREE 7 OAK	REMOVE
150275	TREE 12 OAK	REMOVE
150276	TREE 17 OAK	REMOVE
150277	TREE 8 OAK	REMOVE
150278	TREE 13 OAK	REMOVE
150279	TREE 17 PALM CABBAGE	REMOVE
150280	TREE 16 OAK	REMOVE
150281	TREE 11 OAK	REMOVE
150282	TREE 9 OAK	REMOVE
150283	TREE 17 OAK	REMOVE
150284	TREE 5 OAK	REMOVE
150285	TREE 13 OAK	REMOVE
150286	TREE 11 OAK	REMOVE
150287	TREE 14 OAK	REMOVE
150288	TREE 13 OAK	REMOVE
150289	TREE 12 PALM CABBAGE	REMOVE
150290	TREE 7 OAK	REMOVE
150291	TREE 6 OAK	REMOVE
150292	TREE 19 PALM CABBAGE	REMOVE
150293	TREE 14 PALM CABBAGE	REMOVE
150294	TREE 7 OAK	REMOVE
150295	TREE 16 OAK	REMOVE
150296	TREE 13 OAK	REMOVE
150297	TREE 17 PALM CABBAGE	REMOVE
150298	TREE 13 OAK	REMOVE
150299	TREE 11 PALM CABBAGE	REMOVE
150300	TREE 9 OAK	REMOVE
150301	TREE 13 OAK	REMOVE
150302	TREE 12 PALM CABBAGE	REMOVE
150303	TREE 12 PALM CABBAGE	REMOVE
150304	TREE 12 PALM CABBAGE	REMOVE
150305	TREE 11 OAK	REMOVE
150306	TREE 14 OAK	REMOVE
150307	TREE 17 OAK	REMOVE
150308	TREE 11 OAK	REMOVE
150309	TREE 9 OAK	REMOVE
150310	TREE 4 OAK	REMOVE
150311	TREE 21 OAK	REMOVE
150312	TREE 13 OAK	REMOVE
150313	TREE 14 PALM CABBAGE	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
150314	TREE 14 PALM CABBAGE	REMOVE
150315	TREE 41 OAK	REMOVE
150316	TREE 13 OAK	REMOVE
150317	TREE 10 OAK	REMOVE
150318	TREE 9 OAK	REMOVE
150319	TREE 10 OAK	REMOVE
150320	TREE 6 OAK	REMOVE
150321	TREE 9 OAK	REMOVE
150322	TREE 7 OAK	REMOVE
150323	TREE 9 OAK	REMOVE
150324	TREE 10 OAK	REMOVE
150325	TREE 18 OAK	REMOVE
150326	TREE 10 OAK	REMOVE
150327	TREE 17 OAK	REMOVE
150328	TREE 11 OAK	REMOVE
150329	TREE 13 OAK	REMOVE
150330	TREE 10 OAK	REMOVE
150331	TREE 10 OAK	REMOVE
150332	TREE 11 OAK	REMOVE
150333	TREE 9 OAK	REMOVE
150334	TREE 15 OAK	REMOVE
150335	TREE 13 OAK	REMOVE
150336	TREE 12 OAK	REMOVE
150337	TREE 11 OAK	REMOVE
150338	TREE 9 OAK	REMOVE
150339	TREE 5 OAK	REMOVE
150340	TREE 12 OAK	REMOVE
150341	TREE 10 OAK	REMOVE
150342	TREE 12 OAK	REMOVE
150343	TREE 15 OAK	REMOVE
150344	TREE 17 PALM CABBAGE	REMOVE
150345	TREE 15 OAK	REMOVE
150346	TREE 12 OAK	REMOVE
150347	TREE 18 PALM CABBAGE	REMOVE
150348	TREE 10 OAK	REMOVE
150349	TREE 10 OAK	REMOVE
150350	TREE 12 OAK	REMOVE
150351	TREE 11 OAK	REM

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
150588	TREE 14 OAK	REMOVE
150589	TREE 19 OAK	REMOVE
150590	TREE 24 OAK	REMOVE
150591	TREE 19 OAK	REMOVE
150592	TREE 34 OAK	REMOVE
150593	TREE 22 OAK	REMOVE
150594	TREE 22 OAK	REMOVE
150595	TREE 13 OAK	REMOVE
150596	TREE 13 OAK	REMOVE
150597	TREE 12 OAK	REMOVE
150598	TREE 8 OAK	REMOVE
150599	TREE 24 OAK	REMOVE
150600	TREE 9 OAK	REMOVE
150601	TREE 36 OAK	REMOVE
150602	TREE 8 OAK	REMOVE
150603	TREE 15 OAK	REMOVE
150604	TREE 9 OAK	REMOVE
150605	TREE 14 OAK	REMOVE
150606	TREE 13 OAK	REMOVE
150607	TREE 12 OAK	REMOVE
150608	TREE 18 OAK	REMOVE
150609	TREE 12 OAK	REMOVE
150610	TREE 29 OAK	REMOVE
150611	TREE 11 OAK	REMOVE
150612	TREE 32 OAK	REMOVE
150613	TREE 15 OAK	REMOVE
150614	TREE 23 OAK	REMOVE
150615	TREE 40 OAK	REMOVE
150616	TREE 21 OAK	REMOVE
150617	TREE 18 OAK	REMOVE
150618	TREE 29 OAK	REMOVE
150619	TREE 23 OAK	REMOVE
150620	TREE 17 OAK	REMOVE
150621	TREE 23 OAK	REMOVE
150622	TREE 8 OAK	REMOVE
150623	TREE 16 OAK	REMOVE
150624	TREE 16 OAK	REMOVE
150625	TREE 17 OAK	REMOVE
150626	TREE 15 OAK	REMOVE
150627	TREE 12 OAK	REMOVE
150628	TREE 15 OAK	REMOVE
150629	TREE 8 OAK	REMOVE
150630	TREE 12 OAK	REMOVE
150631	TREE 25 OAK	REMOVE
150632	TREE 15 OAK	REMOVE
150633	TREE 21 OAK	REMOVE
150634	TREE 15 OAK	REMOVE
150635	TREE 15 OAK	REMOVE
150637	TREE 11 OAK	REMOVE
150638	TREE 20 OAK	REMOVE
150639	TREE 20 OAK	REMOVE
150640	TREE 32 OAK	REMOVE
150641	TREE 29 OAK	REMOVE
150642	TREE 11 OAK	REMOVE
150643	TREE 30 OAK	REMOVE
150646	TREE 36 OAK	REMOVE
150647	TREE 32 OAK	REMOVE
150648	TREE 40 OAK	REMOVE
150649	TREE 16 OAK	REMOVE
150650	TREE 8 OAK	REMOVE
150651	TREE 27 OAK	REMOVE
150652	TREE 12 OAK	REMOVE
150653	TREE 17 OAK	REMOVE
150654	TREE 26 OAK	REMOVE
150655	TREE 15 OAK	REMOVE
150656	TREE 27 OAK	REMOVE
150657	TREE 16 OAK	REMOVE
150658	TREE 24 OAK	REMOVE
150659	TREE 25 OAK	REMOVE
150660	TREE 36 OAK	REMOVE
150661	TREE 26 OAK	REMOVE
150662	TREE 19 OAK	REMOVE
150663	TREE 17 OAK	REMOVE
150664	TREE 12 OAK	REMOVE
150665	TREE 13 OAK	REMOVE
150666	TREE 17 OAK	REMOVE
150667	TREE 14 OAK	REMOVE
150668	TREE 13 OAK	REMOVE
150669	TREE 12 OAK	REMOVE
150670	TREE 15 OAK	REMOVE
150671	TREE 16 OAK	REMOVE
150672	TREE 15 OAK	REMOVE
150673	TREE 12 OAK	REMOVE
150674	TREE 12 OAK	REMOVE
150675	TREE 29 OAK	REMOVE
150676	TREE 11 OAK	REMOVE
150677	TREE 24 OAK	REMOVE
150678	TREE 18 OAK	REMOVE
150679	TREE 19 OAK	REMOVE
150680	TREE 30 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
150681	TREE 8 OAK	REMOVE
150682	TREE 8 OAK	REMOVE
150683	TREE 16 OAK	REMOVE
150684	TREE 8 OAK	REMOVE
150685	TREE 32 OAK	REMOVE
150686	TREE 15 OAK	REMOVE
150687	TREE 28 OAK	REMOVE
150688	TREE 10 OAK	REMOVE
150689	TREE 40 OAK	REMOVE
150690	TREE 24 OAK	REMOVE
150691	TREE 12 OAK	REMOVE
150692	TREE 40 OAK	REMOVE
150693	TREE 10 OAK	REMOVE
150694	TREE 9 OAK	REMOVE
150695	TREE 24 OAK	REMOVE
150696	TREE 24 OAK	REMOVE
150697	TREE 14 OAK	REMOVE
150698	TREE 26 OAK	REMOVE
150699	TREE 26 OAK	REMOVE
150700	TREE 12 OAK	REMOVE
150701	TREE 14 OAK	REMOVE
150702	TREE 13 OAK	REMOVE
150703	TREE 10 OAK	REMOVE
150704	TREE 8 OAK	REMOVE
150705	TREE 13 OAK	REMOVE
150706	TREE 17 OAK	REMOVE
150707	TREE 14 OAK	REMOVE
150708	TREE 13 OAK	REMOVE
150709	TREE 13 PALM CABBAGE	REMOVE
150710	TREE 13 BIRCH	REMOVE
150711	TREE 12 OAK	REMOVE
150712	TREE 15 OAK	REMOVE
150713	TREE 27 OAK	REMOVE
150714	TREE 8 OAK	REMOVE
150715	TREE 17 OAK	REMOVE
150716	TREE 21 OAK	REMOVE
150717	TREE 27 OAK	REMOVE
150718	TREE 22 OAK	REMOVE
150719	TREE 13 OAK	REMOVE
150720	TREE 19 OAK	REMOVE
150721	TREE 8 OAK	REMOVE
150722	TREE 9 OAK	REMOVE
150723	TREE 24 OAK	REMOVE
150724	TREE 36 OAK	REMOVE
150725	TREE 27 OAK	REMOVE
150726	TREE 36 OAK	REMOVE
150727	TREE 11 OAK	REMOVE
150728	TREE 14 OAK	REMOVE
150729	TREE 25 OAK	REMOVE
150730	TREE 24 OAK	SAVE
150731	TREE 14 BIRCH	SAVE
150732	TREE 8 OAK	SAVE
150733	TREE 9 OAK	SAVE
150734	TREE 21 OAK	SAVE
150735	TREE 12 OAK	REMOVE
150736	TREE 10 OAK	REMOVE
150737	TREE 26 OAK	REMOVE
150738	TREE 18 OAK	SAVE
150739	TREE 9 OAK	SAVE
150740	TREE 14 PALM CABBAGE	SAVE
150741	TREE 12 OAK	SAVE
150742	TREE 8 OAK	SAVE
150743	TREE 17 OAK	REMOVE
150744	TREE 19 OAK	REMOVE
150745	TREE 13 OAK	SAVE
150746	TREE 9 OAK	SAVE
150747	TREE 12 OAK	SAVE
150748	TREE 32 OAK	SAVE
150749	TREE 8 BIRCH	SAVE
150750	TREE 10 OAK	SAVE
150751	TREE 13 OAK	SAVE
150752	TREE 12 OAK	SAVE
150753	TREE 9 OAK	SAVE
150754	TREE 10 OAK	SAVE
150755	TREE 11 OAK	REMOVE
150756	TREE 24 OAK	REMOVE
150757	TREE 8 OAK	REMOVE
150758	TREE 9 OAK	REMOVE
150759	TREE 16 OAK	SAVE
150760	TREE 16 OAK	SAVE
150761	TREE 9 OAK	SAVE
150762	TREE 17 OAK	SAVE
150763	TREE 24 OAK	SAVE
150764	TREE 12 OAK	SAVE
150765	TREE 8 OAK	SAVE
150766	TREE 32 OAK	SAVE
150767	TREE 18 OAK	SAVE
150768	TREE 13 OAK	REMOVE
150769	TREE 15 OAK	REMOVE
150770	TREE 24 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
150771	TREE 13 OAK	REMOVE
150772	TREE 24 OAK	REMOVE
150773	TREE 14 OAK	REMOVE
150774	TREE 24 OAK	REMOVE
150775	TREE 27 OAK	REMOVE
150776	TREE 17 OAK	REMOVE
150777	TREE 9 OAK	REMOVE
150778	TREE 9 OAK	REMOVE
150779	TREE 13 OAK	REMOVE
150780	TREE 22 OAK	REMOVE
150781	TREE 27 OAK	SAVE
150782	TREE 17 OAK	SAVE
150783	TREE 11 OAK	REMOVE
150784	TREE 36 OAK	REMOVE
150785	TREE 13 OAK	SAVE
150786	TREE 11 OAK	SAVE
150787	TREE 23 OAK	REMOVE
150788	TREE 19 OAK	REMOVE
150789	TREE 19 OAK	REMOVE
150790	TREE 17 OAK	REMOVE
150791	TREE 15 OAK	REMOVE
150792	TREE 11 OAK	REMOVE
150793	TREE 11 OAK	REMOVE
150794	TREE 26 OAK	REMOVE
150795	TREE 8 OAK	REMOVE
150796	TREE 12 OAK	REMOVE
150797	TREE 36 OAK	REMOVE
150798	TREE 11 OAK	REMOVE
150799	TREE 8 OAK	REMOVE
150800	TREE 12 OAK	REMOVE
150801	TREE 8 OAK	REMOVE
150802	TREE 12 OAK	REMOVE
150803	TREE 12 OAK	REMOVE
150804	TREE 8 OAK	REMOVE
150805	TREE 13 OAK	REMOVE
150806	TREE 10 OAK	SAVE
150807	TREE 9 OAK	SAVE
150808	TREE 13 OAK	SAVE
150809	TREE 15 OAK	SAVE
150810	TREE 19 OAK	SAVE
150811	TREE 18 OAK	REMOVE
150812	TREE 25 OAK	REMOVE
150813	TREE 16 OAK	REMOVE
150815	TREE 17 OAK	REMOVE
150816	TREE 16 OAK	REMOVE
150819	TREE 21 OAK	SAVE
150820	TREE 14 OAK	SAVE
150821	TREE 8 OAK	SAVE
150822	TREE 9 OAK	SAVE
150823	TREE 8 OAK	SAVE
150824	TREE 10 OAK	SAVE
150825	TREE 28 OAK	SAVE
150826	TREE 32 OAK	SAVE
150827	TREE 25 OAK	SAVE
150828	TREE 31 OAK	REMOVE
150829	TREE 8 OAK	REMOVE
150830	TREE 10 OAK	REMOVE
150831	TREE 12 OAK	REMOVE
150833	TREE 20 OAK	REMOVE
150834	TREE 9 OAK	REMOVE
150835	TREE 20 OAK	REMOVE
150836	TREE 23 OAK	REMOVE
150837	TREE 13 OAK	REMOVE
150838	TREE 40 OAK	SAVE
150839	TREE 8 OAK	SAVE
150840	TREE 8 OAK	SAVE
150841	TREE 11 OAK	REMOVE
150842	TREE 9 OAK	REMOVE
150843	TREE 12 OAK	REMOVE
150844	TREE 15 OAK	REMOVE
150845	TREE 14 OAK	REMOVE
150846	TREE 8 OAK	REMOVE
150847	TREE 13 OAK	REMOVE
150848	TREE 8 OAK	REMOVE
150849	TREE 8 OAK	REMOVE
150850	TREE 8 OAK	REMOVE
150851	TREE 8 OAK	REMOVE
150852	TREE 8 OAK	REMOVE
150853	TREE 8 OAK	REMOVE
150854	TREE 9 OAK	REMOVE
150855	TREE 17 OAK	REMOVE
150856	TREE 10 OAK	REMOVE
150857	TREE 8 OAK	REMOVE
150858	TREE 31 OAK	REMOVE
150859	TREE 11 OAK	REMOVE
150860	TREE 12 OAK	REMOVE
150861	TREE 11 OAK	REMOVE
150862	TREE 18 OAK	REMOVE
150863	TREE 11 OAK	REMOVE
150864	TREE 14 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
150865	TREE 9 OAK	REMOVE
150866	TREE 14 OAK	REMOVE
150867	TREE 36 OAK	REMOVE
150868	TREE 13 OAK	REMOVE
150869	TREE 13 OAK	REMOVE
150870	TREE 12 OAK	REMOVE
150871	TREE 12 OAK	REMOVE
150872	TREE 11 OAK	REMOVE
150873	TREE 31 OAK	REMOVE
150874	TREE 10 OAK	REMOVE
150875	TREE 15 OAK	REMOVE
150876	TREE 8 OAK	REMOVE
150877	TREE 14 OAK	REMOVE
150878	TREE 13 OAK	REMOVE
150879	TREE 12 OAK	REMOVE
150880	TREE 30 OAK	REMOVE
150881	TREE 17 OAK	REMOVE
150882	TREE 11 OAK	REMOVE
150883	TREE 10 OAK	REMOVE
150884	TREE 13 OAK	REMOVE
150885	TREE 15 OAK	REMOVE
150886	TREE 12 OAK	REMOVE
150887	TREE 17 OAK	REMOVE
150888	TREE 19 OAK	REMOVE
150889	TREE 13 OAK	REMOVE
150890	TREE 14 OAK	REMOVE
150891	TREE 9 OAK	REMOVE
150892	TREE 12 OAK	REMOVE
150893	TREE 11 OAK	REMOVE
150894	TREE 29 OAK	REMOVE
150895	TREE 8 OAK	REMOVE
150896	TREE 9 OAK	REMOVE
150897	TREE 12 OAK	REMOVE
150898	TREE 21 OAK	REMOVE
150899	TREE 14 OAK	REMOVE
150900	TREE 8 OAK	REMOVE
150901	TREE 9 OAK	REMOVE
150902	TREE 42 OAK	REMOVE
150903	TREE 21 OAK	REMOVE
150904	TREE 30 OAK	REMOVE
150905	TREE 11 OAK	REMOVE
150906	TREE 9 OAK	REMOVE
150907	TREE 14 OAK	REMOVE
150908	TREE 8 OAK	REMOVE
150909	TREE 14 OAK	REMOVE
150910	TREE 8 OAK	REMOVE
150911	TREE 13 OAK	REMOVE
150912	TREE 12 OAK	REMOVE
150913	TREE 15 OAK	REMOVE
150914	TREE 13 OAK	REMOVE
150915	TREE 8 OAK	REMOVE
150916	TREE 8 OAK	REMOVE
150917	TREE 12 OAK	REMOVE
150918	TREE 8 OAK	REMOVE
150919	TREE 13 OAK	REMOVE
150920	TREE 21 PALM CABBAGE	REMOVE
150921	TREE 11 OAK	REMOVE
150922	TREE 8 OAK	REMOVE
150923	TREE 11 OAK	REMOVE
150924	TREE 12 OAK	REMOVE
150925	TREE 17 OAK	REMOVE
150926	TREE 13 OAK	REMOVE
150927	TREE 14 OAK	REMOVE
150928	TREE 14 OAK	REMOVE
150929	TREE 17 OAK	REMOVE
150930	TREE 9 OAK	REMOVE
150931	TREE 10 OAK	REMOVE
150932	TREE 17 OAK	REMOVE
150933	TREE 18 OAK	REMOVE
150934	TREE 13 OAK	REMOVE
150935	TREE 18 PALM CABBAGE	REMOVE
150936	TREE 18 OAK	REMOVE
150937	TREE 19 OAK	REMOVE
150938	TREE 12 OAK	REMOVE
150939	TREE 14 OAK	REMOVE
150940	TREE 15 OAK	REMOVE
150941	TREE 9 OAK	REMOVE
150942	TREE 10 OAK	REMOVE
150943	TREE 14 OAK	REMOVE
150944	TREE 10 OAK	REMOVE
150945	TREE 9 OAK	REMOVE
150946	TREE 13 OAK	REMOVE
150947	TREE 12 OAK	REMOVE
150948	TREE 9 OAK	REMOVE
150949	TREE 13 OAK	REMOVE
150950	TREE 13 OAK	REMOVE
150951	TREE 16 OAK	REMOVE
150952	TREE 8 OAK	REMOVE
150953	TREE 12 OAK	REMOVE
150954	TREE 14 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
150955	TREE 10 OAK	REMOVE
150956	TREE 12 OAK	REMOVE
150957	TREE 13 OAK	REMOVE
150958	TREE 11 OAK	REMOVE
150959	TREE 13 PALM CABBAGE	REMOVE
150960	TREE 13 PALM CABBAGE	REMOVE
150961	TREE 14 OAK	REMOVE
150962	TREE 8 OAK	REMOVE
150963	TREE 10 OAK	REMOVE
150964	TREE 10 OAK	REMOVE
150965	TREE 8 OAK	REMOVE
150966	TREE 12 OAK	REMOVE
150967	TREE 8 OAK	REMOVE
150968	TREE 13 OAK	REMOVE
150969	TREE 9 OAK	REMOVE
150970	TREE 9 OAK	REMOVE
150971	TREE 13 OAK	REMOVE
150972	TREE 8 OAK	REMOVE
150973	TREE 8 OAK	REMOVE
150974	TREE 12 OAK	REMOVE
150975	TREE 17 OAK	REMOVE
150976	TREE 10 OAK	REMOVE
150977	TREE 8 OAK	REMOVE
150978	TREE 8 OAK	REMOVE
150979	TREE 12 OAK	REMOVE
150980	TREE 11 OAK	REMOVE
150981	TREE 15 OAK	REMOVE
150982	TREE 8 OAK	REMOVE
150983	TREE 13 OAK	REMOVE
150984	TREE 12 BIRCH	REMOVE
150985	TREE 8 BIRCH	REMOVE
150986	TREE 11 OAK	REMOVE
150987	TREE 8 OAK	REMOVE
150988	TREE 9 BIRCH	REMOVE
150989	TREE 13 OAK	REMOVE
150990	TREE 15 OAK	REMOVE
150991	TREE 8 OAK	REMOVE
150992	TREE 14 OAK	REMOVE
150993	TREE 8 OAK	REMOVE
150994	TREE 8 OAK	REMOVE
150995	TREE 10 OAK	REMOVE
150996	TREE 8 OAK	REMOVE
150997	TREE 9 OAK	REMOVE
150998	TREE 12 OAK	REMOVE
150999	TREE 9 OAK	REMOVE
151000	TREE 13 OAK	REMOVE
151001	TREE 13 OAK	REMOVE
151002	TREE 12 OAK	REMOVE
151003	TREE 8 OAK	REMOVE
151004	TREE 8 OAK	REMOVE
151005	TREE 8 OAK	REMOVE
151006	TREE 9 OAK	REMOVE
151008	TREE 8 OAK	REMOVE
151009	TREE 8 OAK	REMOVE
151010	TREE 13 OAK	REMOVE
151011	TREE 11 OAK	REMOVE
151012	TREE 17 OAK	REMOVE
151013	TREE 8 OAK	REMOVE
151014	TREE 8 OAK	REMOVE
151015	TREE 12 OAK	REMOVE
151016	TREE 9 OAK	REMOVE
151017	TREE 13 OAK	REMOVE
151018	TREE 8 OAK	REMOVE
151019	TREE 13 OAK	REMOVE
151020	TREE 10 OAK	REMOVE
151021	TREE 14 OAK	REMOVE
151022	TREE 9 OAK	REMOVE
151023	TREE 13 OAK	REMOVE
151024	TREE 15 PALM CABBAGE	REMOVE
151025	TREE 14 PALM CABBAGE	REMOVE
151026	TREE 8 OAK	REMOVE
151027	TREE 8 OAK	REMOVE
151028	TREE 14 OAK	REMOVE
151029	TREE 10 OAK	REMOVE
151030	TREE 16 OAK	REMOVE
151031	TREE 8 OAK	REMOVE
151032	TREE 8 PINE	REMOVE
151033	TREE 8 OAK	REMOVE
151034	TREE 11 OAK	REMOVE
151035	TREE 8 OAK	REMOVE
151036	TREE 11 OAK	REMOVE
151037	TREE 8 OAK	REMOVE
151038	TREE 10 OAK	REMOVE
151039	TREE 10 OAK	REMOVE
151040	TREE 11 OAK	REMOVE
151041	TREE 9 OAK	REMOVE
151043	TREE 9 OAK	REMOVE
151044	TREE 10 OAK	REMOVE
151045	TREE 16 OAK	REMOVE
151046	TREE 15 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
151047	TREE 13 OAK	REMOVE
151048	TREE 10 OAK	REMOVE
151049	TREE 17 OAK	REMOVE
151052	TREE 10 OAK	REMOVE
151053	TREE 14 OAK	REMOVE
151054	TREE 14 BIRCH	REMOVE
151055	TREE 13 OAK	REMOVE
151056	TREE 15 OAK	REMOVE
151057	TREE 15 BIRCH	REMOVE
151058	TREE 11 OAK	REMOVE
151059	TREE 9 OAK	REMOVE
151060	TREE 10 OAK	REMOVE
151061	TREE 8 OAK	REMOVE
151062	TREE 10 OAK	REMOVE
151063	TREE 10 OAK	REMOVE
151064	TREE 8 OAK	REMOVE
151065	TREE 10 OAK	REMOVE
151066	TREE 8 OAK	REMOVE
151067	TREE 17 OAK	REMOVE
151068	TREE 10 OAK	REMOVE
151069	TREE 11 OAK	REMOVE
151070	TREE 10 OAK	REMOVE
151071	TREE 9 OAK	REMOVE
151072	TREE 12 OAK	REMOVE
151073	TREE 10 OAK	REMOVE
151074	TREE 10 OAK	REMOVE
151075	TREE 10 OAK	REMOVE
151076	TREE 17 OAK	REMOVE
151077	TREE 15 PALM CABBAGE	REMOVE
151078	TREE 14 PALM CABBAGE	REMOVE
151079	TREE 13 PALM CABBAGE	REMOVE
151080	TREE 17 PALM CABBAGE	REMOVE
151081	TREE 11 OAK	REMOVE
151082	TREE 12 OAK	REMOVE
151083	TREE 14 OAK	REMOVE
151084	TREE 14 OAK	REMOVE
151085	TREE 13 OAK	REMOVE
151086	TREE 17 OAK	REMOVE
151087	TREE 11 OAK	REMOVE
151088	TREE 17 OAK	REMOVE
151089	TREE 13 OAK	REMOVE
151090	TREE 12 OAK	REMOVE
151091	TREE 11 OAK	REMOVE
151092	TREE 14 OAK	REMOVE
151093	TREE 11 OAK	REMOVE
151094	TREE 17 OAK	REMOVE
151096	TREE 8 OAK	REMOVE
151097	TREE 8 OAK	REMOVE
151098	TREE 9 OAK	REMOVE
151099	TREE 17 OAK	REMOVE
151100	TREE 16 OAK	REMOVE
151101	TREE 10 OAK	REMOVE
151102	TREE 11 OAK	REMOVE
151103	TREE 13 OAK	REMOVE
151104	TREE 13 OAK	REMOVE
151105	TREE 13 OAK	REMOVE
151106	TREE 11 OAK	REMOVE
151107	TREE 14 OAK	REMOVE
151108	TREE 9 OAK	REMOVE
151109	TREE 11 OAK	REMOVE
151110	TREE 11 OAK	REMOVE
151111	TREE 13 OAK	REMOVE
151112	TREE 13 OAK	REMOVE
151113	TREE 13 OAK	REMOVE
151114	TREE 11 OAK	REMOVE
151115	TREE 10 OAK	REMOVE
151116	TREE 18 OAK	REMOVE
151117	TREE 9 OAK	REMOVE
151118	TREE 10 OAK	REMOVE
151119	TREE 15 OAK	REMOVE
151120	TREE 13 PALM CABBAGE	REMOVE
151121	TREE 14 OAK	REMOVE
151122	TREE 11 OAK	REMOVE
151123	TREE 13 OAK	REMOVE
151124	TREE 13 OAK	REMOVE
151125	TREE 14 OAK	REMOVE
151126	TREE 19 OAK	REMOVE
151127	TREE 12 OAK	REMOVE
151128	TREE 8 OAK	REMOVE
151129	TREE 13 OAK	REMOVE
151130	TREE 14 OAK	REMOVE
151131	TREE 14 OAK	REMOVE
151132	TREE 13 OAK	REMOVE
151133	TREE 14 OAK	REMOVE
151134	TREE 15 OAK	REMOVE
151135	TREE 14 OAK	REMOVE
151136	TREE 8 OAK	REMOVE
151137	TREE 12 OAK	REMOVE
151138	TREE 12 OAK	REMOVE
151139	TREE 13 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
151140	TREE 18 OAK	REMOVE
151141	TREE 12 OAK	REMOVE
151142	TREE 9 OAK	REMOVE
151143	TREE 11 OAK	REMOVE
151144	TREE 16 OAK	REMOVE
151145	TREE 12 OAK	REMOVE
151146	TREE 11 OAK	REMOVE
151147	TREE 17 OAK	REMOVE
151148	TREE 21 OAK	REMOVE
151149	TREE 12 OAK	REMOVE
151150	TREE 12 OAK	REMOVE
151151	TREE 8 OAK	REMOVE
151152	TREE 11 OAK	REMOVE
151153	TREE 9 OAK	REMOVE
151154	TREE 8 OAK	REMOVE
151155	TREE 15 OAK	REMOVE
151156	TREE 13 OAK	REMOVE
151157	TREE 10 OAK	REMOVE
151158	TREE 13 OAK	REMOVE
151159	TREE 9 OAK	REMOVE
151160	TREE 8 OAK	REMOVE
151161	TREE 13 OAK	REMOVE
151162	TREE 15 OAK	REMOVE
151163	TREE 13 OAK	REMOVE
151164	TREE 15 OAK	REMOVE
151165	TREE 13 OAK	REMOVE
151166	TREE 16 OAK	REMOVE
151167	TREE 8 OAK	REMOVE
151168	TREE 15 OAK	REMOVE
151169	TREE 19 OAK	REMOVE
151170	TREE 17 OAK	REMOVE
151171	TREE 23 OAK	REMOVE
151172	TREE 9 OAK	REMOVE
151173	TREE 30 OAK	REMOVE
151174	TREE 23 OAK	REMOVE
151175	TREE 16 OAK	REMOVE
151176	TREE 30 OAK	REMOVE
151177	TREE 13 OAK	REMOVE
151178	TREE 18 OAK	REMOVE
151179	TREE 8 OAK	REMOVE
151180	TREE 9 OAK	REMOVE
151181	TREE 14 OAK	REMOVE
151182	TREE 33 OAK	REMOVE
151183	TREE 9 OAK	REMOVE
151184	TREE 11 OAK	REMOVE
151185	TREE 17 OAK	REMOVE
151188	TREE 21 OAK	REMOVE
151189	TREE 14 PALM CABBAGE	REMOVE
151190	TREE 14 OAK	REMOVE
151191	TREE 13 PALM CABBAGE	REMOVE
151192	TREE 14 PALM CABBAGE	REMOVE
151193	TREE 8 OAK	REMOVE
151194	TREE 10 OAK	REMOVE
151195	TREE 17 OAK	REMOVE
151196	TREE 12 OAK	REMOVE
151197	TREE 17 PINE	REMOVE
151198	TREE 11 OAK	REMOVE
151199	TREE 9 OAK	REMOVE
151200	TREE 9 OAK	REMOVE
151201	TREE 15 OAK	REMOVE
151202	TREE 8 OAK	REMOVE
151203	TREE 11 OAK	REMOVE
151204	TREE 10 PINE	REMOVE
151205	TREE 15 OAK	REMOVE
151206	TREE 11 OAK	REMOVE
151207	TREE 13 OAK	REMOVE
151208	TREE 13 PALM CABBAGE	REMOVE
151209	TREE 12 OAK	REMOVE
151210	TREE 14 OAK	REMOVE
151211	TREE 13 OAK	REMOVE
151212	TREE 14 OAK	REMOVE
151213	TREE 30 OAK	REMOVE
151214	TREE 21 OAK	REMOVE
151215	TREE 15 OAK	REMOVE
151216	TREE 17 OAK	REMOVE
151217	TREE 12 OAK	REMOVE
151218	TREE 23 OAK	REMOVE
151219	TREE 12 OAK	REMOVE
151220	TREE 14 OAK	REMOVE
151221	TREE 21 OAK	REMOVE
151222	TREE 13 OAK	REMOVE
151223	TREE 15 OAK	REMOVE
151224	TREE 8 PINE	REMOVE
151225	TREE 12 PINE	REMOVE
151226	TREE 9 PINE	REMOVE
151227	TREE 9 PINE	REMOVE
151228	TREE 9 PINE	REMOVE
151229	TREE 8 PINE	REMOVE
151230	TREE 11 PINE	REMOVE
151231	TREE 8 PINE	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
151232	TREE 20 OAK	REMOVE
151233	TREE 13 OAK	REMOVE
151234	TREE 9 OAK	REMOVE
151235	TREE 14 PINE	REMOVE
151236	TREE 13 PINE	REMOVE
151237	TREE 11 PINE	REMOVE
151238	TREE 8 OAK	REMOVE
151239	TREE 12 PINE	REMOVE
151240	TREE 15 PINE	REMOVE
151241	TREE 16 PINE	REMOVE
151242	TREE 18 PINE	REMOVE
151243	TREE 14 PINE	REMOVE
151244	TREE 8 OAK	REMOVE
151245	TREE 14 OAK	REMOVE
151246	TREE 17 PINE	REMOVE
151247	TREE 16 PINE	REMOVE
151248	TREE 17 PINE	REMOVE
151249	TREE 18 PINE	REMOVE
151250	TREE 21 PINE	REMOVE
151251	TREE 15 OAK	REMOVE
151252	TREE 23 PINE	REMOVE
151253	TREE 17 OAK	REMOVE
151254	TREE 14 PINE	REMOVE
151255	TREE 16 PINE	REMOVE
151256	TREE 8 PINE	REMOVE
151257	TREE 15 PINE	REMOVE
151258	TREE 8 PINE	REMOVE
151259	TREE 27 OAK	REMOVE
151260	TREE 15 PINE	REMOVE
151261	TREE 21 PINE	REMOVE
151262	TREE 17 PINE	REMOVE
151263	TREE 14 PINE	REMOVE
151264	TREE 17 PINE	REMOVE
151265	TREE 9 PINE	REMOVE
151266	TREE 15 PINE	REMOVE
151267	TREE 18 PINE	REMOVE
151268	TREE 11 PINE	REMOVE
151269	TREE 11 PINE	REMOVE
151270	TREE 17 PINE	SAVE
151271	TREE 15 PINE	SAVE
151272	TREE 18 PINE	SAVE
151273	TREE 17 PINE	SAVE
151274	TREE 21 PINE	REMOVE
151275	TREE 15 OAK	SAVE
151276	TREE 29 PIN

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
151559	TREE 27 OAK	SAVE
151560	TREE 27 OAK	SAVE
151561	TREE 22 OAK	SAVE
151562	TREE 14 OAK	SAVE
151563	TREE 14 OAK	SAVE
151564	TREE 10 OAK	SAVE
151565	TREE 21 OAK	SAVE
151566	TREE 8 OAK	SAVE
151567	TREE 12 OAK	SAVE
151568	TREE 13 OAK	SAVE
151569	TREE 31 OAK	SAVE
151570	TREE 22 OAK	SAVE
151571	TREE 10 OAK	SAVE
151572	TREE 12 OAK	SAVE
151573	TREE 8 OAK	SAVE
151574	TREE 11 OAK	SAVE
151575	TREE 31 OAK	SAVE
151576	TREE 36 OAK	SAVE
151577	TREE 11 OAK	SAVE
151578	TREE 24 OAK	SAVE
151579	TREE 18 OAK	SAVE
151580	TREE 12 OAK	SAVE
151581	TREE 17 OAK	SAVE
151582	TREE 25 PINE	SAVE
151583	TREE 21 OAK	SAVE
151584	TREE 13 OAK	SAVE
151585	TREE 27 OAK	SAVE
151586	TREE 27 OAK	SAVE
151587	TREE 28 OAK	SAVE
151588	TREE 11 OAK	SAVE
151590	TREE 13 PINE	SAVE
151591	TREE 42 OAK	SAVE
151592	TREE 15 PINE	SAVE
151593	TREE 13 OAK	SAVE
151594	TREE 8 OAK	SAVE
151595	TREE 13 OAK	SAVE
151596	TREE 14 OAK	SAVE
151597	TREE 8 OAK	SAVE
151598	TREE 10 OAK	SAVE
151599	TREE 25 OAK	SAVE
151600	TREE 13 OAK	REMOVE
151601	TREE 11 OAK	SAVE
151602	TREE 13 OAK	SAVE
151603	TREE 12 OAK	SAVE
151604	TREE 12 OAK	SAVE
151605	TREE 13 OAK	REMOVE
151606	TREE 15 OAK	REMOVE
151607	TREE 14 OAK	REMOVE
151608	TREE 15 OAK	REMOVE
151609	TREE 8 OAK	REMOVE
151610	TREE 13 PALM	REMOVE
151611	TREE 16 PALM	REMOVE
151612	TREE 8 OAK	REMOVE
151613	TREE 8 OAK	REMOVE
151614	TREE 15 OAK	REMOVE
151615	TREE 14 OAK	REMOVE
151616	TREE 12 OAK	REMOVE
151617	TREE 13 OAK	REMOVE
151618	TREE 10 OAK	SAVE
151619	TREE 9 OAK	SAVE
151620	TREE 13 OAK	SAVE
151621	TREE 11 OAK	SAVE
151622	TREE 9 OAK	SAVE
151623	TREE 12 OAK	SAVE
151624	TREE 11 OAK	SAVE
151625	TREE 15 PALM CABBAGE	SAVE
151626	TREE 11 PINE	SAVE
151627	TREE 13 OAK	SAVE
151628	TREE 14 OAK	SAVE
151629	TREE 16 OAK	SAVE
151630	TREE 19 PINE	SAVE
151632	TREE 24 OAK	SAVE
151633	TREE 8 OAK	SAVE
151634	TREE 12 OAK	SAVE
151635	TREE 9 OAK	SAVE
151636	TREE 14 OAK	SAVE
151637	TREE 14 OAK	SAVE
151638	TREE 19 OAK	SAVE
151639	TREE 15 PINE	SAVE
151640	TREE 16 OAK	SAVE
151643	TREE 13 OAK	REMOVE
151644	TREE 40 OAK	REMOVE
151645	TREE 8 OAK	REMOVE
151646	TREE 9 OAK	REMOVE
151647	TREE 12 OAK	REMOVE
151648	TREE 10 OAK	REMOVE
151649	TREE 13 OAK	REMOVE
151650	TREE 8 OAK	REMOVE
151651	TREE 14 OAK	REMOVE
151652	TREE 10 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
151653	TREE 8 OAK	REMOVE
151654	TREE 11 OAK	REMOVE
151655	TREE 10 OAK	REMOVE
151656	TREE 13 OAK	REMOVE
151657	TREE 8 OAK	REMOVE
151658	TREE 9 OAK	REMOVE
151659	TREE 12 OAK	REMOVE
151660	TREE 12 OAK	REMOVE
151661	TREE 12 OAK	REMOVE
151662	TREE 12 OAK	REMOVE
151663	TREE 8 OAK	REMOVE
151664	TREE 21 OAK	REMOVE
151665	TREE 13 OAK	REMOVE
151666	TREE 13 OAK	REMOVE
151667	TREE 12 OAK	REMOVE
151668	TREE 20 OAK	REMOVE
151669	TREE 32 OAK	REMOVE
151670	TREE 13 OAK	REMOVE
151671	TREE 23 OAK	REMOVE
151672	TREE 14 OAK	REMOVE
151673	TREE 24 OAK	REMOVE
151674	TREE 19 PALM CABBAGE	REMOVE
151675	TREE 13 OAK	REMOVE
151676	TREE 14 OAK	REMOVE
151677	TREE 10 OAK	REMOVE
151678	TREE 24 OAK	REMOVE
151679	TREE 11 OAK	REMOVE
151680	TREE 8 OAK	REMOVE
151681	TREE 12 OAK	REMOVE
151682	TREE 13 OAK	REMOVE
151683	TREE 17 OAK	REMOVE
151684	TREE 14 OAK	REMOVE
151685	TREE 14 OAK	REMOVE
151686	TREE 31 OAK	REMOVE
151687	TREE 12 OAK	REMOVE
151688	TREE 12 OAK	REMOVE
151689	TREE 13 OAK	REMOVE
151690	TREE 12 OAK	REMOVE
151691	TREE 24 OAK	REMOVE
151692	TREE 24 OAK	REMOVE
151693	TREE 12 OAK	REMOVE
151694	TREE 8 OAK	REMOVE
151695	TREE 12 OAK	REMOVE
151696	TREE 14 OAK	REMOVE
151697	TREE 12 OAK	REMOVE
151698	TREE 30 OAK	REMOVE
151699	TREE 13 OAK	REMOVE
151700	TREE 12 OAK	REMOVE
151701	TREE 12 OAK	REMOVE
151702	TREE 19 OAK	REMOVE
151703	TREE 8 OAK	REMOVE
151704	TREE 16 OAK	REMOVE
151705	TREE 8 OAK	REMOVE
151706	TREE 12 OAK	REMOVE
151707	TREE 15 PALM	REMOVE
151708	TREE 19 OAK	REMOVE
151709	TREE 13 OAK	REMOVE
151710	TREE 30 OAK	REMOVE
151711	TREE 12 OAK	REMOVE
151712	TREE 14 OAK	REMOVE
151713	TREE 13 OAK	REMOVE
151714	TREE 9 OAK	REMOVE
151715	TREE 12 OAK	REMOVE
151716	TREE 11 OAK	REMOVE
151717	TREE 13 OAK	REMOVE
151718	TREE 8 OAK	REMOVE
151719	TREE 12 OAK	REMOVE
151720	TREE 12 OAK	REMOVE
151721	TREE 11 OAK	REMOVE
151722	TREE 13 OAK	REMOVE
151723	TREE 13 OAK	REMOVE
151724	TREE 11 OAK	REMOVE
151725	TREE 9 OAK	REMOVE
151726	TREE 16 OAK	REMOVE
151727	TREE 16 OAK	REMOVE
151728	TREE 23 OAK	REMOVE
151729	TREE 19 OAK	REMOVE
151730	TREE 13 OAK	REMOVE
151731	TREE 13 OAK	REMOVE
151732	TREE 15 OAK	REMOVE
151733	TREE 12 OAK	REMOVE
151734	TREE 23 OAK	REMOVE
151735	TREE 13 OAK	REMOVE
151736	TREE 13 OAK	REMOVE
151737	TREE 33 OAK	REMOVE
151738	TREE 17 PALM CABBAGE	REMOVE
151739	TREE 14 OAK	REMOVE
151740	TREE 12 OAK	REMOVE
151741	TREE 15 OAK	REMOVE
151742	TREE 13 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
151743	TREE 8 OAK	REMOVE
151744	TREE 11 OAK	REMOVE
151745	TREE 17 OAK	REMOVE
151746	TREE 8 OAK	REMOVE
151747	TREE 13 OAK	REMOVE
151748	TREE 11 OAK	REMOVE
151749	TREE 17 OAK	REMOVE
151750	TREE 11 OAK	REMOVE
151751	TREE 12 OAK	REMOVE
151752	TREE 11 OAK	REMOVE
151753	TREE 12 OAK	REMOVE
151754	TREE 8 OAK	REMOVE
151755	TREE 8 OAK	REMOVE
151756	TREE 11 OAK	REMOVE
151757	TREE 13 OAK	REMOVE
151758	TREE 8 OAK	REMOVE
151759	TREE 12 OAK	REMOVE
151760	TREE 14 OAK	REMOVE
151761	TREE 11 OAK	REMOVE
151762	TREE 18 OAK	REMOVE
151763	TREE 24 OAK	REMOVE
151764	TREE 18 OAK	REMOVE
151765	TREE 25 OAK	REMOVE
151766	TREE 24 OAK	REMOVE
151767	TREE 24 OAK	REMOVE
151768	TREE 19 OAK	REMOVE
151769	TREE 13 OAK	REMOVE
151770	TREE 11 OAK	REMOVE
151771	TREE 26 OAK	REMOVE
151772	TREE 13 OAK	SAVE
151773	TREE 36 OAK	SAVE
151774	TREE 10 OAK	SAVE
151775	TREE 21 OAK	SAVE
151776	TREE 13 OAK	REMOVE
151777	TREE 11 OAK	REMOVE
151778	TREE 8 OAK	REMOVE
151779	TREE 17 OAK	REMOVE
151780	TREE 16 OAK	REMOVE
151781	TREE 15 OAK	REMOVE
151782	TREE 20 OAK	REMOVE
151783	TREE 15 OAK	REMOVE
151784	TREE 23 OAK	REMOVE
151785	TREE 18 OAK	REMOVE
151786	TREE 13 OAK	REMOVE
151787	TREE 12 OAK	REMOVE
151788	TREE 22 OAK	REMOVE
151789	TREE 17 OAK	REMOVE
151790	TREE 20 PALM	REMOVE
151791	TREE 12 OAK	REMOVE
151792	TREE 11 OAK	REMOVE
151793	TREE 14 PINE	REMOVE
151794	TREE 25 OAK	REMOVE
151795	TREE 18 OAK	REMOVE
151796	TREE 14 OAK	REMOVE
151797	TREE 14 OAK	REMOVE
151798	TREE 21 OAK	REMOVE
151801	TREE 13 OAK	REMOVE
151802	TREE 15 OAK	REMOVE
151803	TREE 10 OAK	REMOVE
151804	TREE 11 OAK	REMOVE
151805	TREE 12 OAK	REMOVE
151806	TREE 21 OAK	REMOVE
151807	TREE 13 OAK	REMOVE
151808	TREE 9 OAK	REMOVE
151809	TREE 13 OAK	REMOVE
151810	TREE 10 OAK	REMOVE
151811	TREE 8 OAK	REMOVE
151812	TREE 13 OAK	REMOVE
151813	TREE 10 OAK	REMOVE
151814	TREE 12 OAK	REMOVE
151815	TREE 12 OAK	REMOVE
151816	TREE 19 OAK	REMOVE
151817	TREE 14 OAK	REMOVE
151818	TREE 14 PALM CABBAGE	REMOVE
151819	TREE 18 OAK	REMOVE
151820	TREE 14 OAK	REMOVE
151821	TREE 8 OAK	REMOVE
151822	TREE 12 OAK	REMOVE
151823	TREE 31 OAK	SAVE
151824	TREE 8 OAK	SAVE
151825	TREE 19 OAK	SAVE
151826	TREE 12 OAK	SAVE
151827	TREE 14 OAK	SAVE
151828	TREE 11 OAK	SAVE
151829	TREE 17 OAK	SAVE
151830	TREE 15 OAK	SAVE
151831	TREE 16 OAK	SAVE
151832	TREE 34 OAK	SAVE
151833	TREE 14 OAK	SAVE
151834	TREE 14 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
151835	TREE 15 OAK	REMOVE
151836	TREE 12 OAK	SAVE
151837	TREE 11 OAK	SAVE
151838	TREE 12 OAK	SAVE
151839	TREE 42 OAK	REMOVE
151840	TREE 37 OAK	REMOVE
151841	TREE 13 OAK	REMOVE
151842	TREE 23 OAK	REMOVE
151843	TREE 13 OAK	REMOVE
151844	TREE 8 OAK	REMOVE
151845	TREE 33 OAK	REMOVE
151846	TREE 14 OAK	REMOVE
151847	TREE 15 OAK	REMOVE
151848	TREE 13 OAK	REMOVE
151849	TREE 13 OAK	REMOVE
151850	TREE 10 OAK	REMOVE
151851	TREE 14 OAK	REMOVE
151852	TREE 13 OAK	REMOVE
151853	TREE 12 OAK	REMOVE
151854	TREE 26 OAK	REMOVE
151855	TREE 8 OAK	REMOVE
151856	TREE 25 OAK	REMOVE
151857	TREE 21 OAK	REMOVE
151858	TREE 12 OAK	REMOVE
151859	TREE 31 OAK	REMOVE
151860	TREE 8 OAK	REMOVE
151861	TREE 14 OAK	REMOVE
151862	TREE 24 OAK	REMOVE
151863	TREE 31 OAK	SAVE
151864	TREE 8 OAK	SAVE
151865	TREE 8 OAK	SAVE
151866	TREE 9 OAK	SAVE
151867	TREE 16 OAK	SAVE
151869	TREE 17 OAK	REMOVE
151870	TREE 22 OAK	REMOVE
151871	TREE 13 OAK	REMOVE
151872	TREE 18 OAK	REMOVE
151873	TREE 13 OAK	REMOVE
151875	TREE 12 OAK	REMOVE
151876	TREE 8 OAK	REMOVE
151877	TREE 8 OAK	REMOVE
151878	TREE 14 OAK	REMOVE
151879	TREE 8 OAK	REMOVE
151880	TREE 17 PALM CABBAGE	REMOVE
151881	TREE 13 OAK	REMOVE
151882	TREE 10 OAK	REMOVE
151883	TREE 14 OAK	REMOVE
151884	TREE 13 OAK	REMOVE
151885	TREE 14 OAK	REMOVE
151886	TREE 8 OAK	REMOVE
151887	TREE 12 OAK	REMOVE
151888	TREE 8 OAK	REMOVE
151889	TREE 10 OAK	REMOVE
151890	TREE 12 OAK	REMOVE
151891	TREE 8 OAK	REMOVE
151892	TREE 21 PINE	REMOVE
151893	TREE 12 OAK	REMOVE
151894	TREE 24 OAK	REMOVE
151895	TREE 13 OAK	REMOVE
151896	TREE 13 OAK	REMOVE
151897	TREE 11 OAK	REMOVE
151898	TREE 12 OAK	REMOVE
151899	TREE 12 OAK	REMOVE
151900	TREE 14 OAK	REMOVE
151901	TREE 12 OAK	REMOVE
151902	TREE 15 OAK	REMOVE
151903	TREE 21 OAK	REMOVE
151904	TREE 12 OAK	REMOVE
151905	TREE 12 OAK	REMOVE
151906	TREE 24 OAK	REMOVE
151907	TREE 24 OAK	REMOVE
151908	TREE 8 OAK	REMOVE
151909	TREE 12 OAK	REMOVE
151910	TREE 8 OAK	REMOVE
151911	TREE 8 OAK	REMOVE
151912	TREE 8 OAK	REMOVE
151913	TREE 8 OAK	REMOVE
151914	TREE 12 OAK	REMOVE
151915	TREE 8 OAK	REMOVE
151916	TREE 8 OAK	REMOVE
151917	TREE 8 PINE	REMOVE
151918	TREE 8 OAK	REMOVE
151919	TREE 15 OAK	REMOVE
151920	TREE 24 OAK	REMOVE
151921	TREE 24 OAK	REMOVE
151922	TREE 13 OAK	REMOVE
151923	TREE 17 OAK	REMOVE
151924	TREE 13 OAK	REMOVE
151925	TREE 26 OAK	REMOVE
151926	TREE 14 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
151927	TREE 18 OAK	REMOVE
151928	TREE 8 OAK	REMOVE
151929	TREE 24 OAK	REMOVE
151930	TREE 8 OAK	REMOVE
151931	TREE 11 OAK	REMOVE
151932	TREE 15 OAK	SAVE
151933	TREE 30 PINE	SAVE
151934	TREE 12 OAK	SAVE
151935	TREE 14 OAK	SAVE
151936	TREE 9 OAK	SAVE
151937	TREE 8 OAK	SAVE
151938	TREE 8 OAK	SAVE
151939	TREE 9 OAK	REMOVE
151940	TREE 14 OAK	REMOVE
151941	TREE 15 OAK	REMOVE
151942	TREE 14 OAK	REMOVE
151943	TREE 28 OAK	REMOVE
151944	TREE 13 OAK	REMOVE
151945	TREE 24 OAK	REMOVE
151946	TREE 20 OAK	SAVE
151947	TREE 12 OAK	SAVE
151948	TREE 14 OAK	SAVE
151949	TREE 19 OAK	REMOVE
151950	TREE 19 OAK	REMOVE
151951	TREE 14 OAK	REMOVE
151952	TREE 15 OAK	REMOVE
151953	TREE 14 OAK	REMOVE
151954	TREE 14 OAK	REMOVE
151955	TREE 12 OAK	REMOVE
151956	TREE 16 OAK	REMOVE
151957	TREE 21 OAK	REMOVE
151958	TREE 29 OAK	REMOVE
151959	TREE 29 OAK	REMOVE
151960	TREE 29 OAK	REMOVE
151961	TREE 21 OAK	REMOVE
151962	TREE 14 OAK	REMOVE
151963	TREE 14 PINE	REMOVE
151964	TREE 15 OAK	REMOVE
151965	TREE 11 OAK	REMOVE
151966	TREE 15 OAK	REMOVE
151967	TREE 12 OAK	REMOVE
151968	TREE 14 OAK	REMOVE
151969	TREE 19 OAK	REMOVE
151970	TREE 14 OAK	SAVE
151971	TREE 23 OAK	SAVE
151972	TREE 15 OAK	REMOVE
151973	TREE 19 OAK	REMOVE
151974	TREE 15 OAK	SAVE
151975	TREE 36 OAK	SAVE
151976	TREE 9 OAK	SAVE
151977	TREE 9 OAK	SAVE
151978	TREE 18 OAK	SAVE
151979	TREE 8 OAK	REMOVE
151980	TREE 14 OAK	SAVE
151981	TREE 9 OAK	REMOVE
151982	TREE 21 OAK	REMOVE
151983	TREE 19 OAK	REMOVE
151984	TREE 15 OAK	REMOVE
151985	TREE 18 OAK	REMOVE
151986	TREE 8 OAK	REMOVE
151987	TREE 28 OAK	REMOVE
151988	TREE 19 OAK	REMOVE
151989	TREE 22 OAK	REMOVE
151990	TREE 32 OAK	REMOVE
151991	TREE 8 OAK	REMOVE
151992	TREE 14 OAK	REMOVE
151993	TREE 12 OAK	REMOVE
151994	TREE 10 OAK	REMOVE
151995	TREE 9 OAK	REMOVE
151998	TREE 8 OAK	REMOVE
151999	TREE 8 OAK	REMOVE
152000	TREE 12 OAK	REMOVE
152001	TREE 8 OAK	REMOVE
152002	TREE 10 OAK	REMOVE
152003	TREE 8 OAK	REMOVE
152004	TREE 33 OAK	REMOVE
152005	TREE 34 OAK	REMOVE
152006	TREE 26 OAK	REMOVE
152007	TREE 24 OAK	REMOVE
152008	TREE 33 OAK	REMOVE
152009	TREE 11 OAK	REMOVE
152010	TREE 25 OAK	REMOVE
152011	TREE 13 OAK	REMOVE
152012	TREE 25 OAK	REMOVE
152013	TREE 15 OAK	REMOVE
152014	TREE 16 OAK	REMOVE
152015	TREE 20 OAK	REMOVE
152016	TREE 14 OAK	REMOVE
152017	TREE 15 OAK	REMOVE
152018	TREE 10 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
152019	TREE 15 OAK	REMOVE
152020	TREE 13 OAK	REMOVE
152021	TREE 13 OAK	REMOVE
152022	TREE 14 OAK	REMOVE
152023	TREE 14 OAK	REMOVE
152024	TREE 13 OAK	REMOVE
152025	TREE 16 OAK	REMOVE
152026	TREE 13 OAK	REMOVE
152027	TREE 13 OAK	REMOVE
152028	TREE 13 OAK	REMOVE
152029	TREE 19 OAK	REMOVE
152030	TREE 13 OAK	REMOVE
152031	TREE 12 OAK	REMOVE
152032	TREE 14 OAK	REMOVE
152033	TREE 15 OAK	REMOVE
152034	TREE 8 OAK	REMOVE
152035	TREE 9 OAK	REMOVE
152036	TREE 14 OAK	REMOVE
152037	TREE 21 OAK	REMOVE
152038	TREE 8 OAK	REMOVE
152039	TREE 13 OAK	REMOVE
152040	TREE 8 OAK	REMOVE
152041	TREE 13 OAK	REMOVE
152042	TREE 10 OAK	REMOVE
152043	TREE 14 OAK	REMOVE
152044	TREE 21 OAK	REMOVE
152045	TREE 8 OAK	REMOVE
152046	TREE 8 OAK	REMOVE
152047	TREE 13 OAK	REMOVE
152048	TREE 22 OAK	REMOVE
152049	TREE 12 OAK	REMOVE
152050	TREE 9 OAK	REMOVE
152051	TREE 19 OAK	REMOVE
152052	TREE 15 OAK	REMOVE
152053	TREE 20 OAK	SAVE
152054	TREE 25 PINE	SAVE
152055	TREE 19 OAK	SAVE
152056	TREE 14 OAK	SAVE
152057	TREE 21 OAK	SAVE
152058	TREE 24 PINE	SAVE
152059	TREE 19 OAK	REMOVE
152060	TREE 25 OAK	REMOVE
152061	TREE 14 OAK	REMOVE
152062	TREE 9 OAK	REMOVE
152063	TREE 24 OAK	REMOVE
152064	TREE 14 OAK	REMOVE
152065	TREE 14 OAK	REMOVE
152066	TREE 13 OAK	REMOVE
152067	TREE 13 OAK	REMOVE
152068	TREE 24 OAK	REMOVE
152069	TREE 19 OAK	REMOVE
152070	TREE 8 OAK	REMOVE
152071	TREE 15 OAK	REMOVE
152072	TREE 13 OAK	REMOVE
152073	TREE 23 OAK	REMOVE
152074	TREE 13 OAK	REMOVE
152075	TREE 9 OAK	REMOVE
152076	TREE 9 OAK	REMOVE
152077	TREE 14 OAK	REMOVE
152078	TREE 9 OAK	REMOVE
152079	TREE 8 OAK	REMOVE
152080	TREE 12 OAK	REMOVE
152081	TREE 9 OAK	REMOVE
152082	TREE 29 OAK	REMOVE
152083	TREE 17 OAK	REMOVE
152084	TREE 11 OAK	REMOVE
152085	TREE 12 OAK	REMOVE
152086	TREE 11 OAK	REMOVE
152087	TREE 13 OAK	REMOVE
152088	TREE 21 OAK	REMOVE
152089	TREE 25 OAK	REMOVE
152090	TREE 21 OAK	SAVE
152091	TREE 11 OAK	SAVE
152092	TREE 13 OAK	SAVE
152093	TREE 29 OAK	SAVE
152094	TREE 24 OAK	SAVE
152095	TREE 22 OAK	SAVE
152096	TREE 21 OAK	SAVE
152097	TREE 19 OAK	SAVE
152098	TREE 25 OAK	SAVE
152099	TREE 24 OAK	SAVE
152100	TREE 24 OAK	SAVE
152101	TREE 31 OAK	SAVE
152102	TREE 13 OAK	SAVE
152103	TREE 16 OAK	SAVE
152104	TREE 12 OAK	SAVE
152105	TREE 43 OAK	REMOVE
152106	TREE 25 OAK	REMOVE
152107	TREE 15 OAK	REMOVE
152108	TREE 12 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
152109	TREE 11 OAK	REMOVE
152110	TREE 12 OAK	REMOVE
152113	TREE 10 OAK	SAVE
152114	TREE 10 OAK	SAVE
152115	TREE 11 OAK	SAVE
152116	TREE 10 OAK	SAVE
152117	TREE 10 OAK	SAVE
152118	TREE 12 OAK	SAVE
152119	TREE 11 OAK	SAVE
152120	TREE 8 OAK	SAVE
152121	TREE 13 OAK	SAVE
152122	TREE 13 OAK	SAVE
152123	TREE 13 OAK	SAVE
152124	TREE 8 OAK	SAVE
152125	TREE 10 OAK	SAVE
152126	TREE 10 OAK	SAVE
152127	TREE 8 OAK	SAVE
152128	TREE 8 OAK	SAVE
152129	TREE 13 OAK	SAVE
152130	TREE 10 OAK	SAVE
152131	TREE 8 OAK	SAVE
152132	TREE 15 OAK	SAVE
152133	TREE 15 OAK	SAVE
152134	TREE 14 OAK	SAVE
152135	TREE 8 OAK	SAVE
152136	TREE 36 OAK	SAVE
152137	TREE 13 OAK	SAVE
152138	TREE 29 OAK	SAVE
152139	TREE 13 OAK	SAVE
152140	TREE 15 OAK	SAVE
152141	TREE 16 OAK	SAVE
152142	TREE 19 PINE	SAVE
152143	TREE 15 PINE	SAVE
152144	TREE 8 OAK	SAVE
152145	TREE 26 OAK	SAVE
152146	TREE 16 PINE	SAVE
152147	TREE 26 OAK	SAVE
152148	TREE 26 OAK	SAVE
152149	TREE 10 OAK	SAVE
152150	TREE 8 OAK	SAVE
152151	TREE 13 OAK	SAVE
152152	TREE 15 PALM CABBAGE	SAVE
152153	TREE 30 PINE	SAVE
152154	TREE 13 OAK	SAVE
152155	TREE 26 OAK	SAVE
152156	TREE 8 OAK	SAVE
152157	TREE 11 OAK	SAVE
152158	TREE 18 OAK	SAVE
152159	TREE 17 OAK	SAVE
152160	TREE 14 OAK	SAVE
152161	TREE 10 OAK	SAVE
152162	TREE 10 OAK	SAVE
152163	TREE 10 OAK	SAVE
152164	TREE 21 PINE	SAVE
152165	TREE 17 OAK	SAVE
152166	TREE 22 OAK	SAVE
152167	TREE 12 OAK	SAVE
152168	TREE 8 OAK	SAVE
152169	TREE 8 OAK	SAVE
152170	TREE 14 OAK	SAVE
152171	TREE 13 OAK	SAVE
152172	TREE 13 OAK	SAVE
152173	TREE 8 OAK	SAVE
152174	TREE 15 OAK	SAVE
152175	TREE 12 OAK	SAVE
152176	TREE 8 OAK	SAVE
152177	TREE 8 OAK	SAVE
152178	TREE 11 OAK	SAVE
152179	TREE 8 OAK	SAVE
152180	TREE 11 OAK	SAVE
152181	TREE 15 PALM	SAVE
152182	TREE 14 OAK	SAVE
152183	TREE 8 OAK	SAVE
152184	TREE 15 OAK	SAVE
152185	TREE 12 OAK	SAVE
152186	TREE 12 OAK	SAVE
152187	TREE 11 OAK	SAVE
152188	TREE 10 OAK	SAVE
152189	TREE 11 OAK	SAVE
152190	TREE 8 OAK	SAVE
152191	TREE 9 OAK	SAVE
152192	TREE 14 OAK	SAVE
152193	TREE 29 OAK	SAVE
152194	TREE 8 OAK	SAVE
152195	TREE 11 OAK	SAVE
152196	TREE 10 OAK	SAVE
152197	TREE 13 OAK	SAVE
152198	TREE 10 OAK	SAVE
152199	TREE 8 OAK	SAVE
152200	TREE 11 OAK	SAVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
152201	TREE 12 OAK	REMOVE
152202	TREE 12 OAK	REMOVE
152203	TREE 8 OAK	REMOVE
152204	TREE 15 OAK	REMOVE
152205	TREE 14 OAK	REMOVE
152206	TREE 12 OAK	REMOVE
152207	TREE 12 OAK	REMOVE
152208	TREE 10 OAK	REMOVE
152209	TREE 10 OAK	REMOVE
152210	TREE 16 OAK	REMOVE
152211	TREE 10 OAK	REMOVE
152212	TREE 10 OAK	REMOVE
152213	TREE 8 OAK	REMOVE
152214	TREE 8 OAK	REMOVE
152215	TREE 8 OAK	REMOVE
152216	TREE 11 OAK	REMOVE
152217	TREE 12 OAK	REMOVE
152218	TREE 11 OAK	REMOVE
152219	TREE 8 OAK	REMOVE
152220	TREE 14 OAK	REMOVE
152221	TREE 8 OAK	REMOVE
152222	TREE 12 OAK	REMOVE
152223	TREE 11 OAK	REMOVE
152224	TREE 15 OAK	REMOVE
152225	TREE 13 OAK	REMOVE
152226	TREE 8 OAK	REMOVE
152227	TREE 11 OAK	REMOVE
152228	TREE 14 PALM	REMOVE
152229	TREE 19 OAK	REMOVE
152230	TREE 8 OAK	REMOVE
152231	TREE 8 OAK	REMOVE
152232	TREE 15 OAK	REMOVE
152233	TREE 13 OAK	REMOVE
152234	TREE 15 OAK	REMOVE
152235	TREE 14 OAK	REMOVE
152236	TREE 10 OAK	REMOVE
152237	TREE 8 OAK	REMOVE
152238	TREE 10 OAK	REMOVE
152239	TREE 36 OAK	REMOVE
152240	TREE 8 OAK	REMOVE
152241	TREE 24 OAK	REMOVE
152242	TREE 10 OAK	REMOVE
152243	TREE 13 OAK	REMOVE
152244	TREE 14 OAK	REMOVE
152245	TREE 8 OAK	REMOVE
152246	TREE 13 OAK	REMOVE
152247	TREE 8 OAK	REMOVE
152248	TREE 8 OAK	REMOVE
152249	TREE 8 OAK	REMOVE
152250	TREE 12 OAK	REMOVE
152251	TREE 14 OAK	REMOVE
152252	TREE 9 OAK	REMOVE
152253	TREE 11 OAK	REMOVE
152254	TREE 13 OAK	REMOVE
152257	TREE 13 OAK	SAVE
152258

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
152475	TREE 8 OAK	REMOVE
152476	TREE 22 OAK	REMOVE
152477	TREE 24 OAK	REMOVE
152478	TREE 10 OAK	REMOVE
152479	TREE 8 OAK	SAVE
152480	TREE 17 OAK	SAVE
152481	TREE 14 OAK	SAVE
152482	TREE 24 OAK	SAVE
152483	TREE 12 OAK	SAVE
152484	TREE 15 OAK	SAVE
152485	TREE 16 OAK	SAVE
152486	TREE 23 OAK	SAVE
152487	TREE 14 PALM	SAVE
152488	TREE 24 OAK	SAVE
152489	TREE 13 OAK	SAVE
152490	TREE 15 OAK	SAVE
152491	TREE 8 OAK	SAVE
152492	TREE 24 OAK	SAVE
152493	TREE 21 OAK	REMOVE
152494	TREE 11 OAK	REMOVE
152495	TREE 11 OAK	REMOVE
152496	TREE 12 OAK	REMOVE
152497	TREE 10 PINE	REMOVE
152498	TREE 10 OAK	REMOVE
152499	TREE 11 OAK	REMOVE
152500	TREE 15 OAK	REMOVE
152503	TREE 13 OAK	REMOVE
152504	TREE 8 OAK	REMOVE
152505	TREE 14 OAK	REMOVE
152506	TREE 15 OAK	REMOVE
152507	TREE 13 OAK	REMOVE
152508	TREE 13 OAK	REMOVE
152509	TREE 15 OAK	REMOVE
152510	TREE 8 OAK	REMOVE
152511	TREE 10 OAK	REMOVE
152512	TREE 20 OAK	REMOVE
152513	TREE 9 OAK	REMOVE
152514	TREE 11 OAK	REMOVE
152515	TREE 9 OAK	REMOVE
152516	TREE 22 OAK	REMOVE
152517	TREE 25 OAK	REMOVE
152518	TREE 17 OAK	REMOVE
152519	TREE 12 OAK	REMOVE
152520	TREE 12 OAK	REMOVE
152521	TREE 14 OAK	REMOVE
152522	TREE 14 OAK	REMOVE
152523	TREE 25 OAK	REMOVE
152524	TREE 12 PINE	REMOVE
152525	TREE 11 OAK	REMOVE
152526	TREE 8 OAK	REMOVE
152527	TREE 19 OAK	REMOVE
152528	TREE 10 OAK	SAVE
152529	TREE 10 OAK	REMOVE
152530	TREE 25 OAK	REMOVE
152531	TREE 9 OAK	REMOVE
152532	TREE 8 OAK	REMOVE
152533	TREE 8 OAK	REMOVE
152534	TREE 8 OAK	REMOVE
152535	TREE 21 OAK	REMOVE
152536	TREE 8 OAK	REMOVE
152537	TREE 13 OAK	REMOVE
152538	TREE 18 OAK	REMOVE
152539	TREE 8 OAK	REMOVE
152540	TREE 14 OAK	REMOVE
152541	TREE 17 OAK	REMOVE
152542	TREE 25 OAK	REMOVE
152543	TREE 13 OAK	REMOVE
152544	TREE 28 OAK	REMOVE
152545	TREE 13 OAK	REMOVE
152546	TREE 15 OAK	REMOVE
152547	TREE 15 OAK	REMOVE
152548	TREE 22 PINE	REMOVE
152549	TREE 14 OAK	REMOVE
152550	TREE 14 OAK	SAVE
152551	TREE 24 PINE	SAVE
152552	TREE 8 OAK	SAVE
152553	TREE 14 PINE	SAVE
152554	TREE 14 OAK	SAVE
152555	TREE 10 PINE	SAVE
152556	TREE 13 PINE	SAVE
152557	TREE 15 PINE	SAVE
152558	TREE 10 OAK	REMOVE
152559	TREE 13 OAK	REMOVE
152560	TREE 12 PINE	SAVE
152561	TREE 13 PINE	SAVE
152562	TREE 15 OAK	REMOVE
152563	TREE 21 PINE	REMOVE
152564	TREE 14 OAK	REMOVE
152565	TREE 13 OAK	REMOVE
152566	TREE 15 PINE	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
152567	TREE 17 OAK	REMOVE
152568	TREE 13 PINE	SAVE
152569	TREE 15 OAK	SAVE
152570	TREE 14 OAK	SAVE
152571	TREE 29 OAK	SAVE
152572	TREE 24 OAK	SAVE
152573	TREE 15 OAK	REMOVE
152574	TREE 14 OAK	REMOVE
152575	TREE 19 OAK	REMOVE
152576	TREE 26 OAK	REMOVE
152577	TREE 16 OAK	REMOVE
152578	TREE 24 OAK	REMOVE
152579	TREE 15 PINE	REMOVE
152580	TREE 13 OAK	REMOVE
152581	TREE 8 OAK	REMOVE
152582	TREE 13 OAK	REMOVE
152583	TREE 8 PINE	REMOVE
152584	TREE 8 OAK	REMOVE
152585	TREE 11 OAK	REMOVE
152586	TREE 8 PINE	REMOVE
152587	TREE 16 PINE	REMOVE
152588	TREE 15 OAK	REMOVE
152589	TREE 13 OAK	REMOVE
152590	TREE 8 OAK	REMOVE
152591	TREE 15 OAK	REMOVE
152592	TREE 17 OAK	REMOVE
152593	TREE 14 OAK	REMOVE
152594	TREE 13 OAK	REMOVE
152595	TREE 22 OAK	REMOVE
152596	TREE 12 OAK	REMOVE
152597	TREE 10 OAK	REMOVE
152598	TREE 14 PINE	REMOVE
152599	TREE 8 OAK	REMOVE
152600	TREE 8 OAK	REMOVE
152601	TREE 25 OAK	REMOVE
152602	TREE 10 OAK	REMOVE
152603	TREE 21 OAK	REMOVE
152604	TREE 8 OAK	REMOVE
152605	TREE 10 OAK	REMOVE
152606	TREE 8 OAK	REMOVE
152607	TREE 17 OAK	REMOVE
152608	TREE 15 OAK	REMOVE
152609	TREE 14 OAK	REMOVE
152610	TREE 20 OAK	REMOVE
152611	TREE 9 OAK	REMOVE
152612	TREE 10 OAK	REMOVE
152613	TREE 21 OAK	REMOVE
152614	TREE 13 OAK	REMOVE
152615	TREE 8 OAK	REMOVE
152616	TREE 19 OAK	REMOVE
152617	TREE 13 OAK	REMOVE
152618	TREE 14 OAK	REMOVE
152619	TREE 19 OAK	REMOVE
152620	TREE 17 OAK	REMOVE
152621	TREE 8 OAK	REMOVE
152622	TREE 8 OAK	REMOVE
152623	TREE 8 OAK	SAVE
152624	TREE 8 OAK	REMOVE
152625	TREE 11 OAK	REMOVE
152626	TREE 17 OAK	REMOVE
152627	TREE 9 OAK	REMOVE
152628	TREE 8 OAK	REMOVE
152629	TREE 14 OAK	REMOVE
152630	TREE 19 PALM	REMOVE
152631	TREE 8 OAK	REMOVE
152632	TREE 16 PALM	REMOVE
152633	TREE 8 OAK	REMOVE
152634	TREE 10 OAK	REMOVE
152635	TREE 12 OAK	REMOVE
152636	TREE 11 OAK	REMOVE
152637	TREE 14 OAK	REMOVE
152638	TREE 13 OAK	REMOVE
152641	TREE 12 OAK	REMOVE
152642	TREE 14 OAK	REMOVE
152643	TREE 16 OAK	REMOVE
152644	TREE 15 OAK	REMOVE
152645	TREE 20 OAK	REMOVE
152646	TREE 17 OAK	REMOVE
152647	TREE 14 OAK	REMOVE
152648	TREE 14 OAK	REMOVE
152649	TREE 12 OAK	REMOVE
152650	TREE 9 OAK	REMOVE
152651	TREE 8 OAK	REMOVE
152652	TREE 10 OAK	REMOVE
152653	TREE 12 OAK	REMOVE
152654	TREE 9 OAK	REMOVE
152655	TREE 14 OAK	REMOVE
152656	TREE 8 OAK	REMOVE
152657	TREE 10 OAK	REMOVE
152658	TREE 9 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
152659	TREE 12 OAK	REMOVE
152660	TREE 8 OAK	REMOVE
152661	TREE 9 OAK	REMOVE
152662	TREE 14 OAK	REMOVE
152663	TREE 14 OAK	REMOVE
152664	TREE 14 OAK	REMOVE
152665	TREE 14 OAK	REMOVE
152666	TREE 17 OAK	REMOVE
152667	TREE 10 OAK	SAVE
152668	TREE 22 OAK	SAVE
152669	TREE 17 OAK	SAVE
152670	TREE 23 OAK	REMOVE
152671	TREE 8 OAK	REMOVE
152672	TREE 27 OAK	REMOVE
152673	TREE 12 OAK	SAVE
152674	TREE 25 OAK	SAVE
152675	TREE 11 OAK	SAVE
152676	TREE 30 OAK	SAVE
152677	TREE 9 OAK	REMOVE
152678	TREE 56 OAK	REMOVE
152679	TREE 23 OAK	REMOVE
152680	TREE 20 OAK	REMOVE
152681	TREE 19 OAK	SAVE
152682	TREE 26 OAK	SAVE
152683	TREE 30 OAK	SAVE
152684	TREE 36 OAK	SAVE
152685	TREE 21 OAK	SAVE
152686	TREE 42 OAK	REMOVE
152687	TREE 28 OAK	REMOVE
152689	TREE 15 OAK	REMOVE
152690	TREE 33 OAK	REMOVE
152691	TREE 23 OAK	REMOVE
152692	TREE 20 OAK	REMOVE
152693	TREE 22 OAK	REMOVE
152694	TREE 23 OAK	REMOVE
152695	TREE 14 OAK	REMOVE
152696	TREE 15 OAK	REMOVE
152697	TREE 9 OAK	REMOVE
152698	TREE 15 OAK	REMOVE
152699	TREE 13 OAK	REMOVE
152700	TREE 12 OAK	REMOVE
152701	TREE 11 OAK	REMOVE
152702	TREE 14 OAK	REMOVE
152703	TREE 15 OAK	REMOVE
152704	TREE 8 OAK	REMOVE
152705	TREE 11 OAK	REMOVE
152706	TREE 12 OAK	REMOVE
152707	TREE 11 OAK	REMOVE
152708	TREE 11 OAK	REMOVE
152709	TREE 11 OAK	REMOVE
152710	TREE 10 OAK	REMOVE
152711	TREE 9 OAK	REMOVE
152712	TREE 8 OAK	REMOVE
152713	TREE 10 OAK	REMOVE
152714	TREE 8 OAK	REMOVE
152715	TREE 12 OAK	REMOVE
152716	TREE 8 OAK	REMOVE
152717	TREE 15 OAK	REMOVE
152718	TREE 12 OAK	REMOVE
152719	TREE 13 OAK	REMOVE
152720	TREE 12 OAK	REMOVE
152721	TREE 8 OAK	REMOVE
152722	TREE 15 OAK	REMOVE
152723	TREE 39 OAK	REMOVE
152726	TREE 17 OAK	REMOVE
152727	TREE 17 OAK	REMOVE
152728	TREE 9 OAK	REMOVE
152729	TREE 24 OAK	REMOVE
152730	TREE 24 OAK	REMOVE
152731	TREE 12 OAK	REMOVE
152732	TREE 8 OAK	REMOVE
152733	TREE 16 OAK	REMOVE
152734	TREE 17 OAK	REMOVE
152735	TREE 12 OAK	REMOVE
152736	TREE 20 OAK	REMOVE
152737	TREE 17 OAK	REMOVE
152738	TREE 15 OAK	REMOVE
152739	TREE 17 OAK	REMOVE
152740	TREE 8 OAK	REMOVE
152741	TREE 28 OAK	REMOVE
152742	TREE 28 OAK	REMOVE
152743	TREE 14 OAK	REMOVE
152744	TREE 24 OAK	REMOVE
152745	TREE 14 OAK	REMOVE
152746	TREE 14 OAK	REMOVE
152747	TREE 13 PALM CABBAGE	REMOVE
152748	TREE 36 OAK	REMOVE
152749	TREE 16 OAK	REMOVE
152750	TREE 14 OAK	REMOVE
152751	TREE 14 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
152752	TREE 15 OAK	REMOVE
152753	TREE 8 OAK	REMOVE
152754	TREE 18 OAK	REMOVE
152755	TREE 13 OAK	REMOVE
152756	TREE 21 OAK	REMOVE
152757	TREE 16 OAK	REMOVE
152758	TREE 19 OAK	REMOVE
152759	TREE 8 OAK	REMOVE
152760	TREE 13 OAK	REMOVE
152761	TREE 8 OAK	REMOVE
152762	TREE 8 OAK	REMOVE
152763	TREE 8 OAK	REMOVE
152764	TREE 15 OAK	REMOVE
152765	TREE 19 OAK	REMOVE
152766	TREE 8 OAK	REMOVE
152767	TREE 15 OAK	REMOVE
152768	TREE 11 OAK	REMOVE
152769	TREE 12 OAK	REMOVE
152770	TREE 12 OAK	REMOVE
152771	TREE 15 OAK	REMOVE
152772	TREE 18 PALM CABBAGE	REMOVE
152773	TREE 14 OAK	REMOVE
152774	TREE 15 OAK	REMOVE
152775	TREE 12 OAK	REMOVE
152776	TREE 13 OAK	REMOVE
152777	TREE 15 OAK	REMOVE
152778	TREE 10 OAK	REMOVE
152779	TREE 10 OAK	REMOVE
152780	TREE 17 OAK	REMOVE
152781	TREE 11 OAK	REMOVE
152782	TREE 15 OAK	REMOVE
152783	TREE 16 OAK	REMOVE
152784	TREE 14 OAK	REMOVE
152785	TREE 18 OAK	REMOVE
152786	TREE 27 OAK	REMOVE
152787	TREE 9 OAK	REMOVE
152788	TREE 10 OAK	REMOVE
152789	TREE 16 OAK	REMOVE
152790	TREE 9 OAK	REMOVE
152791	TREE 14 OAK	REMOVE
152792	TREE 23 OAK	REMOVE
152793	TREE 8 OAK	REMOVE
152794	TREE 14 OAK	REMOVE
152795	TREE 8 OAK	REMOVE
152796	TREE 9 OAK	REMOVE
152797	TREE 12 OAK	REMOVE
152798	TREE 8 OAK	REMOVE
152799	TREE 8 OAK	REMOVE
152800	TREE 8 OAK	REMOVE
152801	TREE 25 OAK	REMOVE
152802	TREE 15 OAK	REMOVE
152803	TREE 11 OAK	REMOVE
152804	TREE 15 OAK	REMOVE
152805	TREE 17 OAK	REMOVE
152806	TREE 16 OAK	REMOVE
152807	TREE 32 OAK	REMOVE
152808	TREE 14 OAK	REMOVE
152809	TREE 14 OAK	REMOVE
152810	TREE 12 OAK	REMOVE
152811	TREE 21 OAK	REMOVE
152812	TREE 15 OAK	REMOVE
152813	TREE 18 OAK	REMOVE
152814	TREE 22 OAK	REMOVE
152815	TREE 15 OAK	REMOVE
152816	TREE 20 OAK	REMOVE
152817	TREE 10 OAK	REMOVE
152818	TREE 13 OAK	REMOVE
152819	TREE 22 OAK	REMOVE
152820	TREE 14 OAK	REMOVE
152821	TREE 17 OAK	REMOVE
152822	TREE 16 OAK	REMOVE
152823	TREE 18 OAK	REMOVE
152824	TREE 24 OAK	REMOVE
152825	TREE 10 OAK	REMOVE
152826	TREE 15 OAK	REMOVE
152827	TREE 12 OAK	REMOVE
152828	TREE 13 OAK	REMOVE
152829	TREE 8 OAK	REMOVE
152830	TREE 13 OAK	REMOVE
152831	TREE 20 OAK	REMOVE
152832	TREE 22 PALM CABBAGE	REMOVE
152833	TREE 20 OAK	REMOVE
152834	TREE 17 PALM CABBAGE	REMOVE
152835	TREE 17 PALM CABBAGE	REMOVE
152836	TREE 19 OAK	REMOVE
152837	TREE 20 OAK	REMOVE
152838	TREE 19 OAK	REMOVE
152839	TREE 19 PINE	REMOVE
152840	TREE 8 OAK	REMOVE
152841	TREE 12 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
152842	TREE 17 OAK	REMOVE
152843	TREE 19 OAK	REMOVE
152844	TREE 17 OAK	REMOVE
152845	TREE 14 OAK	REMOVE
152846	TREE 8 OAK	REMOVE
152847	TREE 12 OAK	REMOVE
152848	TREE 15 OAK	REMOVE
152849	TREE 13 OAK	REMOVE
152850	TREE 15 OAK	REMOVE
152851	TREE 17 OAK	REMOVE
152852	TREE 13 OAK	REMOVE
152853	TREE 16 OAK	REMOVE
152854	TREE 8 OAK	REMOVE
152855	TREE 24 OAK	REMOVE
152856	TREE 13 OAK	REMOVE
152857	TREE 15 OAK	REMOVE
152858	TREE 13 OAK	REMOVE
152862	TREE 16 OAK	REMOVE
152863	TREE 12 OAK	REMOVE
152864	TREE 17 OAK	REMOVE
152865	TREE 12 OAK	REMOVE
152866	TREE 13 OAK	REMOVE
152867	TREE 28 OAK	REMOVE
152868	TREE 19 PALM CABBAGE	REMOVE
152869	TREE 20 PALM CABBAGE	REMOVE
152870	TREE 24 OAK	REMOVE
152871	TREE 24 OAK	REMOVE
152872	TREE 12 OAK	REMOVE
152873	TREE 12 OAK	REMOVE
152874	TREE 19 OAK	REMOVE
152875	TREE 14 OAK	REMOVE
152876	TREE 15 OAK	REMOVE
152877	TREE 30 OAK	REMOVE
152878	TREE 10 OAK	REMOVE
152879	TREE 8 OAK	REMOVE
152880	TREE 18 OAK	REMOVE
152881	TREE 13 OAK	REMOVE
152882	TREE 8 OAK	REMOVE
152883	TREE 12 OAK	REMOVE
152884	TREE 14 OAK	REMOVE
152885	TREE 12 OAK	REMOVE
152886	TREE 20 OAK	REMOVE
152887	TREE 20 OAK	REMOVE
152888	TREE 16 OAK	REMOVE
152889	TREE 14 OAK	REMOVE
152890	TREE 12 OAK	REMOVE
152891	TREE 60 OAK	REMOVE
152892	TREE 17 PALM CABBAGE	REMOVE
152893	TREE 8 OAK	REMOVE
152894	TREE 12 OAK	REMOVE
152895	TREE 10 OAK	REMOVE
152896	TREE 10 OAK	REMOVE
152897	TREE 28 OAK	REMOVE
152898	TREE 16 OAK	REMOVE
152899	TREE 12 OAK	REMOVE
152900	TREE 17 OAK	REMOVE
152901	TREE 15 OAK	REMOVE
152902	TREE 32 OAK	REMOVE
152903	TREE 23 PALM CABBAGE	REMOVE
152904	TREE 15 OAK	REMOVE
152905	TREE 15 OAK	REMOVE
152906	TREE 21 PALM CABBAGE	REMOVE
152907	TREE 14 OAK	REMOVE
152908	TREE 24 OAK	REMOVE
152909	TREE 18 PALM CABBAGE	REMOVE
152911	TREE 12 OAK	REMOVE
152912	TREE 19 OAK	REMOVE
152913	TREE 16 OAK	REMOVE
152914	TREE 16 PALM CABBAGE	REMOVE
152915	TREE 15 OAK	REMOVE
152916	TREE 15 OAK	REMOVE
152917	TREE 21 PALM CABBAGE	REMOVE
152918	TREE 8 OAK	REMOVE
152919	TREE 13 OAK	REMOVE
152920	TREE 16 OAK	REMOVE
152921	TREE 14 PALM CABBAGE	REMOVE
152922	TREE 18 PALM CABBAGE	REMOVE
152923	TREE 18 OAK	REMOVE
152924	TREE 20 OAK	REMOVE
152925	TREE 23 OAK	REMOVE
152926	TREE 18 OAK	REMOVE
152927	TREE 8 OAK	REMOVE
152928	TREE 9 OAK	REMOVE
152929	TREE 14 OAK	REMOVE
152930	TREE 14 OAK	REMOVE
152931	TREE 15 OAK	REMOVE
152932	TREE 15 OAK	REMOVE
152933	TREE 14 OAK	REMOVE
152934	TREE 13 OAK	REMOVE
152935	TREE 25 OAK	REMOVE

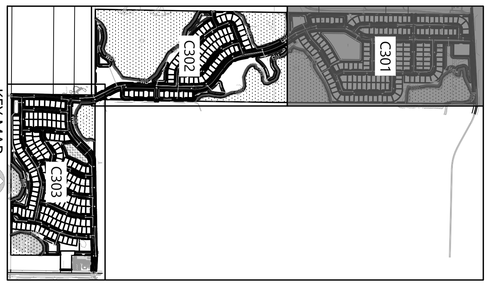
Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
152936	TREE 10 OAK	REMOVE
152937	TREE 14 OAK	REMOVE
152938	TREE 8 OAK	REMOVE
152939	TREE 15 OAK	REMOVE
152940	TREE 30 OAK	REMOVE
152941	TREE 14 OAK	REMOVE
152942	TREE 13 OAK	REMOVE
152943	TREE 13 OAK	REMOVE
152944	TREE 8 OAK	REMOVE
152945	TREE 9 OAK	REMOVE
152946	TREE 24 OAK	REMOVE
152947	TREE 11 OAK	REMOVE
152948	TREE 14 OAK	REMOVE
152949	TREE 14 OAK	REMOVE
152950	TREE 8 OAK	REMOVE
152951	TREE 15 OAK	REMOVE
152952	TREE 13 OAK	REMOVE
152953	TREE 14 OAK	REMOVE
152956	TREE 14 OAK	REMOVE
152957	TREE 12 OAK	REMOVE
152958	TREE 13 OAK	REMOVE
152959	TREE 16 OAK	REMOVE
152960	TREE 16 PALM CABBAGE	REMOVE
152961	TREE 13 OAK	REMOVE
152962	TREE 13 OAK	REMOVE
152963	TREE 9 OAK	REMOVE
152964	TREE 13 OAK	REMOVE
152965	TREE 12 OAK	REMOVE
152966	TREE 11 OAK	REMOVE
152967	TREE 15 OAK	REMOVE
152968	TREE 10 OAK	REMOVE
152969	TREE 8 OAK	REMOVE
152970	TREE 10 OAK	REMOVE
152971	TREE 8 OAK	REMOVE
152972	TREE 16 OAK	REMOVE
152973	TREE 13 OAK	REMOVE
152974	TREE 18 OAK	REMOVE
152975	TREE 19 OAK	REMOVE
152976	TREE 15 OAK	REMOVE
152977	TREE 8 OAK	REMOVE
152978	TREE 8 OAK	REMOVE
152979	TREE 9 OAK	REMOVE
152976	TREE 15 OAK	REMOVE
152977	TREE 8 OAK	REMOVE
152978	TREE 8 OAK	REMOVE
152979	TREE 9 OAK	REMOVE
152980	TREE 9 OAK	REMOVE
152981	TREE 13 OAK	REMOVE
152982	TREE 22 OAK	REMOVE
152983	TREE 12 OAK	REMOVE
152984	TREE 10 OAK	REMOVE
152985	TREE 10 OAK	REMOVE
152986	TREE 15 OAK	REMOVE
152987	TREE 15 PALM CABBAGE	REMOVE
152988	TREE 18 OAK	REMOVE
152989	TREE 15 OAK	REMOVE
152990	TREE 15 PALM	REMOVE
152991	TREE 10 OAK	REMOVE
152992	TREE 12 OAK	REMOVE
152993	TREE 14 OAK	REMOVE
152994	TREE 36 OAK	REMOVE
152995	TREE 14 OAK	REMOVE
152996	TREE 8 OAK	REMOVE
152997	TREE 15 OAK	REMOVE
152998	TREE 15 OAK	REMOVE
152999	TREE 17 OAK	REMOVE
153000	TREE 10 OAK	REMOVE
153001	TREE 12 OAK	REMOVE
153002	TREE 15 OAK	REMOVE
153003	TREE 10 OAK	REMOVE
153004	TREE 8 OAK	REMOVE
153005	TREE 15 OAK	REMOVE
153006	TREE 12 OAK	REMOVE
153007	TREE 12 OAK	REMOVE
153008	TREE 22 OAK	REMOVE
153009	TREE 22 PALM CABBAGE	REMOVE
153010	TREE 14 OAK	REMOVE
153011	TREE 22 OAK	REMOVE
153012	TREE 17 OAK	REMOVE
153013	TREE 19 PALM CABBAGE	REMOVE
153014	TREE 16 PALM CABBAGE	REMOVE
153015	TREE 23 OAK	REMOVE
153016	TREE 10 OAK	REMOVE
153017	TREE 10 OAK	REMOVE
153018	TREE 12 OAK	REMOVE
153019	TREE 16 OAK	REMOVE
153020	TREE 15 OAK	REMOVE
153021	TREE 10 OAK	REMOVE
153022	TREE 22 OAK	REMOVE
153023	TREE 11 OAK	REMOVE
153024	TREE 14 OAK	REMOVE
153025	TREE 18 OAK	REMOVE
153026	TREE 11 OAK	REMOVE
153027	TREE 13 OAK	REMOVE

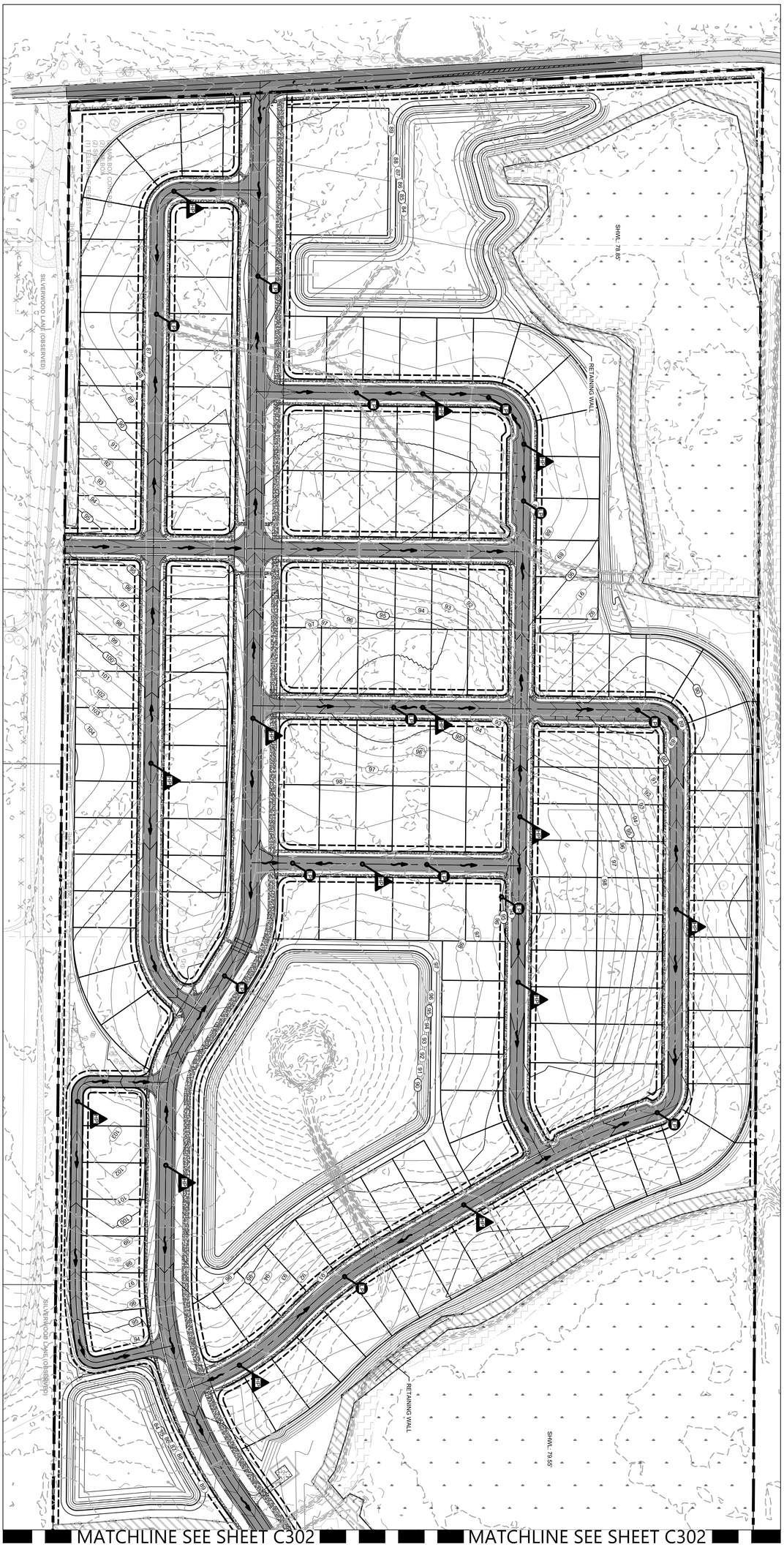
Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
153028	TREE 11 OAK	REMOVE
153029	TREE 11 OAK	REMOVE
153030	TREE 13 OAK	REMOVE
153031	TREE 19 OAK	REMOVE
153032	TREE 13 OAK	REMOVE
153033	TREE 10 OAK	REMOVE
153034	TREE 16 OAK	REMOVE
153035	TREE 18 OAK	REMOVE
153036	TREE 10 OAK	REMOVE
153037	TREE 18 PALM CABBAGE	REMOVE
153038	TREE 15 OAK	REMOVE
153039	TREE 10 OAK	REMOVE
153040	TREE 21 OAK	REMOVE
153041	TREE 23 OAK	REMOVE
153042	TREE 24 OAK	REMOVE
153043	TREE 17 OAK	REMOVE
153044	TREE 16 OAK	REMOVE
153045	TREE 10 OAK	REMOVE
153046	TREE 30 OAK	REMOVE
153047	TREE 16 PALM CABBAGE	REMOVE
153048	TREE 18 OAK	REMOVE
153049	TREE 24 OAK	REMOVE
153050	TREE 10 OAK	REMOVE
153051	TREE 14 OAK	REMOVE
153052	TREE 18 PALM CABBAGE	REMOVE
153053	TREE 18 PALM CABBAGE	REMOVE
153054	TREE 32 OAK	REMOVE
153055	TREE 16 PALM CABBAGE	REMOVE
153056	TREE 42 OAK	REMOVE
153057	TREE 23 OAK	REMOVE
153058	TREE 21 OAK	REMOVE
153059	TREE 33 OAK	REMOVE
153060	TREE 20 OAK	REMOVE
153061	TREE 14 OAK	REMOVE
153062	TREE 17 OAK	REMOVE
153063	TREE 15 OAK	REMOVE
153064	TREE 18 OAK	REMOVE
153065	TREE 15 OAK	REMOVE
153066	TREE 14 OAK	REMOVE
153067	TREE 20 OAK	REMOVE
153068	TREE 17 PALM CABBAGE	REMOVE
153069	TREE 27 OAK	REMOVE
153070	TREE 25 OAK	REMOVE
153071	TREE 23 OAK	REMOVE
153072	TREE 23 OAK	REMOVE
153073	TREE 25 OAK	REMOVE
153074	TREE 20 OAK	REMOVE
153075	TREE 8 OAK	REMOVE
153076	TREE 20 OAK	REMOVE
153077	TREE 33 OAK	REMOVE
153078	TREE 10 OAK	REMOVE
153079	TREE 20 OAK	REMOVE
153080	TREE 14 OAK	REMOVE
153081	TREE 13 OAK	REMOVE
153082	TREE 21 OAK	REMOVE
153083	TREE 14 OAK	REMOVE
153084	TREE 14 OAK	REMOVE
153085	TREE 10 OAK	REMOVE
153086	TREE 24 OAK	REMOVE
153087	TREE 29 OAK	REMOVE
153088	TREE 29 OAK	REMOVE
153089	TREE 18 OAK	REMOVE
153090	TREE 18 OAK	REMOVE
153091	TREE 13 OAK	REMOVE
153092	TREE 25 OAK	REMOVE
153093	TREE 17 OAK	REMOVE
153094	TREE 15 OAK	REMOVE
153095	TREE 24 OAK	REMOVE
153096	TREE 13 OAK	REMOVE
153097	TREE 13 OAK	REMOVE
153098	TREE 13 OAK	REMOVE
153099	TREE 15 OAK	REMOVE
153100	TREE 18 OAK	REMOVE
153101	TREE 16 OAK	REMOVE
153102	TREE 11 OAK	REMOVE
153103	TREE 16 OAK	REMOVE
153104	TREE 17 OAK	REMOVE
153105	TREE 29 OAK	REMOVE
153106	TREE 26 OAK	REMOVE
153107	TREE 31 OAK	REMOVE
153108	TREE 21 OAK	REMOVE
153109	TREE 10 OAK	REMOVE
153110	TREE 20 PALM CABBAGE	REMOVE
153111	TREE 8 OAK	REMOVE
153112	TREE 16 OAK	REMOVE
153113	TREE 16 PALM CABBAGE	REMOVE
153114	TREE 14 OAK	REMOVE
153115	TREE 14 OAK	REMOVE
153116	TREE 14 OAK	REMOVE
153117	TREE 14 OAK	REMOVE

Tree Table		
Point #	Raw Description	TREE TO BE SAVED OR REMOVED
153118	TREE 20 PALM CABBAGE	REMOVE
153119	TREE 12 OAK	REMOVE
153120	TREE 28 OAK	REMOVE
153121	TREE 60 OAK	REMOVE
153122	TREE 12 OAK	REMOVE
153123	TREE 18 OAK	REMOVE
153124	TREE 14 OAK	REMOVE
153125	TREE 9 OAK	REMOVE
153126	TREE 15 OAK	REMOVE
153127	TREE 13 OAK	REMOVE
153128	TREE 10 OAK	REMOVE
153129	TREE 9 OAK	REMOVE
153130	TREE 8 OAK	REMOVE
153131	TREE 8 OAK	REMOVE
153132	TREE 16 OAK	REMOVE
153133	TREE 11 OAK	REMOVE
153134	TREE 12 OAK	REMOVE
153135	TREE 13 OAK	REMOVE
153136	TREE 14 OAK	REMOVE
153137	TREE 16 PALM	REMOVE
153138	TREE 15 OAK	REMOVE
153139	TREE 20 PALM CABBAGE	REMOVE
153140	TREE 24 OAK	REMOVE
153141	TREE 46 OAK	REMOVE
153142	TREE 16 OAK	REMOVE
153143	TREE 12 OAK	REMOVE
153144	TREE 21 OAK	REMOVE
153145	TREE 14 OAK	REMOVE
153146	TREE 15 OAK	REMOVE
153147	TREE 8 OAK	REMOVE
153148	TREE 14 OAK	REMOVE
153149	TREE 18 OAK	REMOVE
153150	TREE 16 OAK	REMOVE
153151	TREE 19 PALM CABBAGE	REMOVE
153152	TREE 28 OAK	REMOVE
153153	TREE 22 PALM CABBAGE	REMOVE
153154	TREE 20 PALM CABBAG

FILE NAME: K:\23000180 Mission Rise OO and PSP\DWG\Plan Sets\Site-Preliminary\0180-C301 PAVING AND GRADING.dwg LAST SAVED BY: kcrowell 3/26/2025 12:58 PM PLOTTED BY: Kaitlyn Crowell 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB

KEY MAP
NTS





LEGEND

- CONSTRUCTION LIMITS LINE
- PROPOSED ELEVATION
- FLOW ARROW
- LOW POINT
- HIGH POINT
- PROPOSED ASPHALT PAVEMENT

PSP(XX-XXXX)

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

THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON INFORMATION OBTAINED BY A FIELD SURVEY AND ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS BEFORE THE START OF WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE ALL UNDERGROUND UTILITIES DOES NOT RELIEVE HIM OF RESPONSIBILITY FOR DAMAGE THAT OCCURS.

CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE RESPONSIBLE FOR ANY CONSTRUCTION SITE SAFETY PRECAUTIONS OR PROGRAMS IN CONNECTION WITH THE PROJECT. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTY AS REQUIRED BY LOCAL CONDITIONS OR AUTHORITIES.

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MISSION RISE	SEC 27,34 TWP 20 S RGE 25 E
TURNSTONE GROUP	--
PRELIMINARY SUBDIVISION PLAT	HOWEY-IN-THE-HILLS
PAVING AND GRADING	LAKE COUNTY , FLORIDA

DATE 02/27/2025

REVISIONS

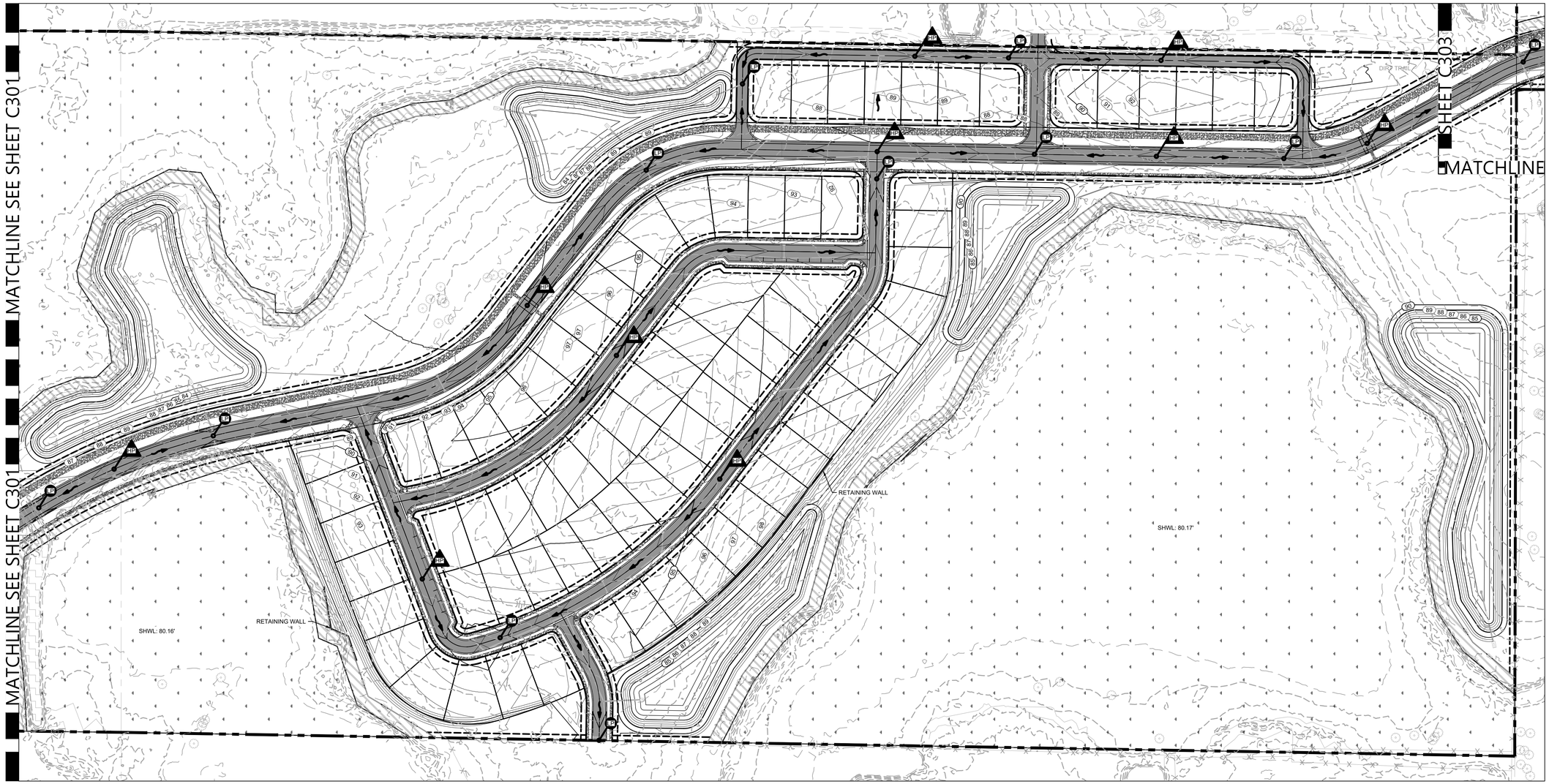
KATLYN ASHLEY CROWELL LICENSE NUMBER 98086 STATE OF FLORIDA PROFESSIONAL ENGINEER No. PE86331

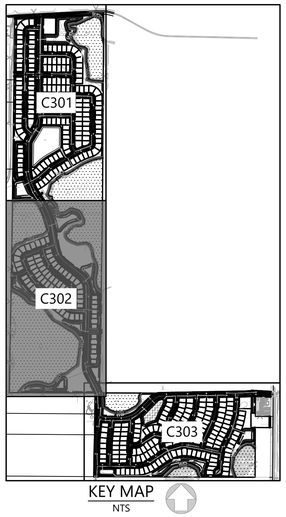
DRAWN BY: AP
CHECKED BY: ZDR
PROJECT MANAGER: KC
JOB # 23000180
FILE CODE: --
SHEET NO. C301

0 50' 100'

30 ISSUED FOR CONSTRUCTION C301 PAVING AND GRADING

Item 2.





KEY MAP
NTS

LEGEND

- CONSTRUCTION LIMITS LINE
- PROPOSED ELEVATION
- FLOW ARROW
- LOW POINT
- HIGH POINT
- PROPOSED ASPHALT PAVEMENT

PSPXX-XXXX

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

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:

CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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COA # 29091

SEC 27,34 TWP 20 S RGE 25 E
--
HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
PAVING AND GRADING

DATE 02/27/2025

REVISIONS

KALEIGH ASHLEY CROWELL
LICENSE
No. PE95331
STATE OF FLORIDA
PROFESSIONAL ENGINEER

0 50' 100'

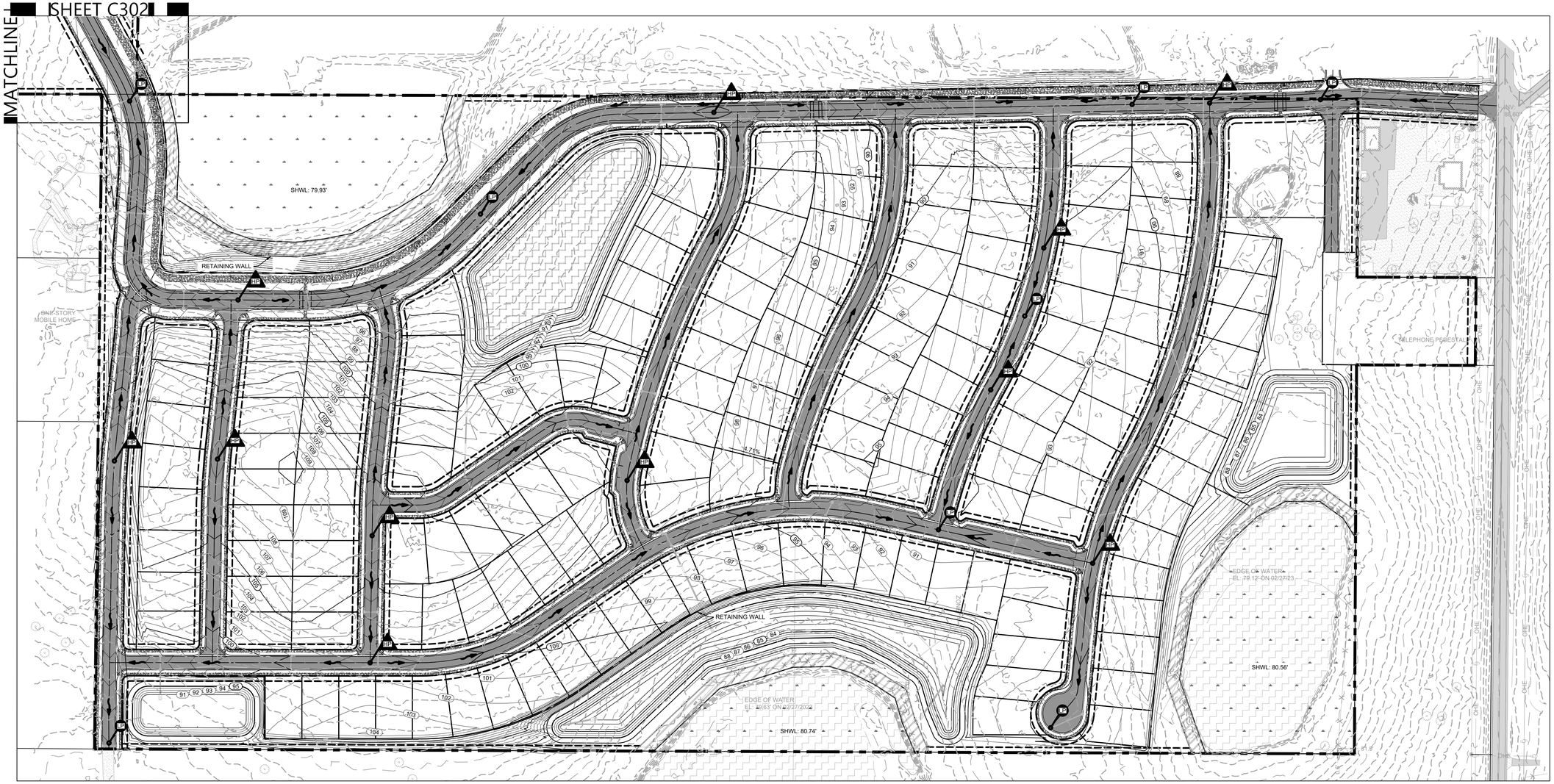
DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C302

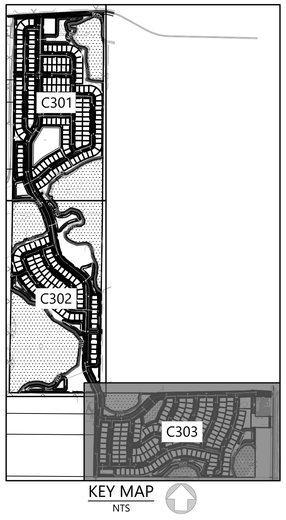
NOT—ISSUED—FOR—CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise PD and PSP\CAD\Plan Sets\Site-Preliminary\SITE-C301 PAVING AND GRADING.dwg LAST SAVED BY: kcrowell 3/26/2025 11:58 PM PLOTTED BY: Kaley Crowell 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB

MATCHLINE

SHEET C302





KEY MAP
NTS

LEGEND

- CONSTRUCTION LIMITS LINE
- PROPOSED ELEVATION (90)
- FLOW ARROW
- LOW POINT (LP)
- HIGH POINT (HP)
- PROPOSED ASPHALT PAVEMENT

PSPXX-XXXX

811
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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:

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COA# 29091

SEC 27,34 TWP 20 S RGE 25 E
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HOWEY-IN-THE-HILLS
LAKE COUNTY, FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
PAVING AND GRADING

DATE 02/27/2025

REVISIONS

KAITLYN ASHLEY CROWELL
LICENSE
No. PE95331
STATE OF FLORIDA
PROFESSIONAL ENGINEER

0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C303

ISSUED FOR CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise 60 and PSP\Dwg\Proj Dwg\Site+Preliminary\Site-C301 PAVING AND GRADING.dwg LAST SAVED BY: kcrowell 3/26/2025 12:58 PM PLOTTED BY: Kaitlyn Crowell 3/26/2025 PAGES: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB

KEY MAP
NTS

LEGEND

- CONSTRUCTION LIMITS LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- STORM PIPE FLOW ARROW
- STORM DRAINAGE STRUCTURES

PSPXX-XXXX

811
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COA# 29091

SEC 27,34 TWP 20 S RGE 25 E
--
HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
DRAINAGE PLAN

DATE 02/27/2025

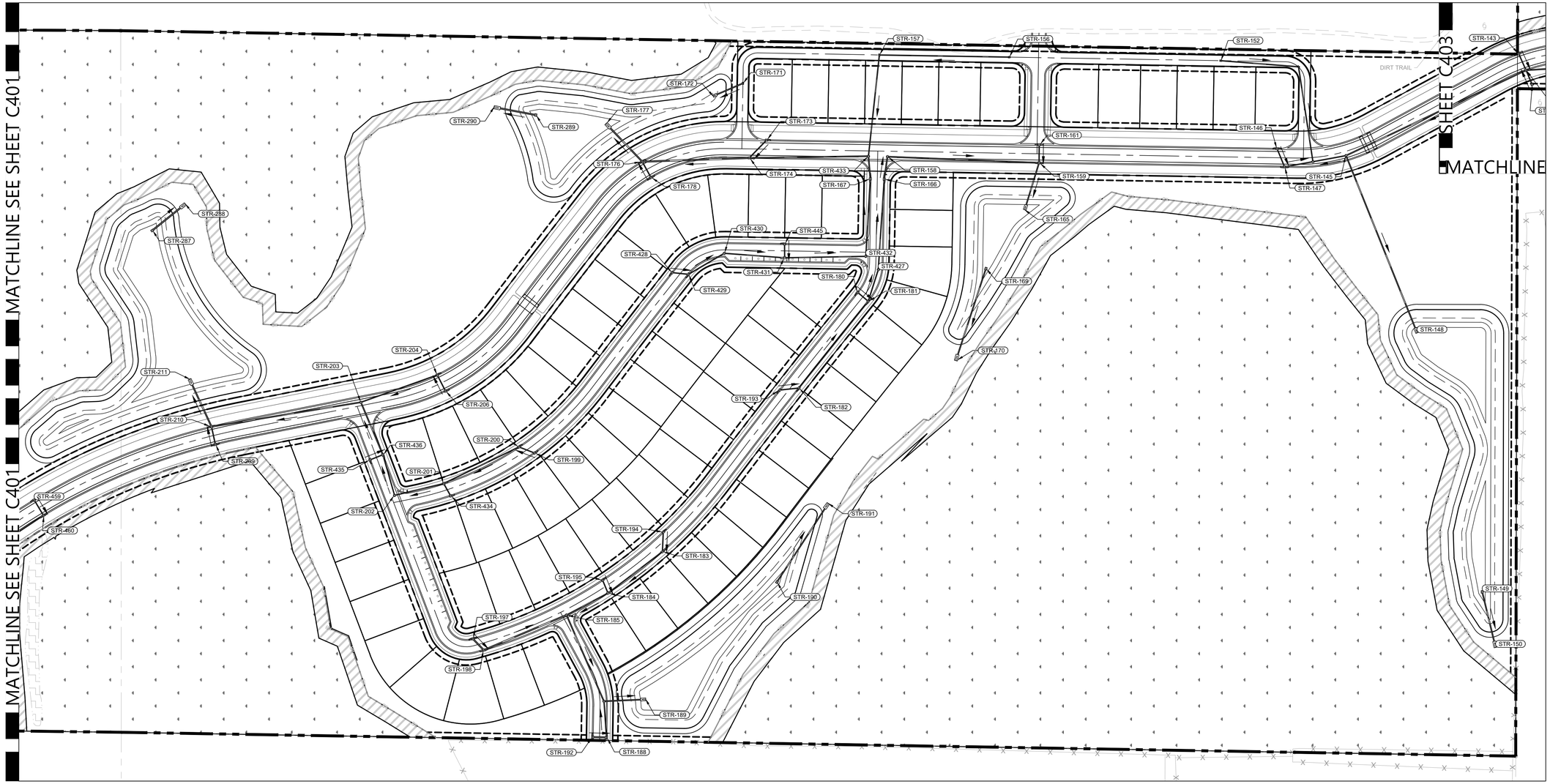
REVISIONS

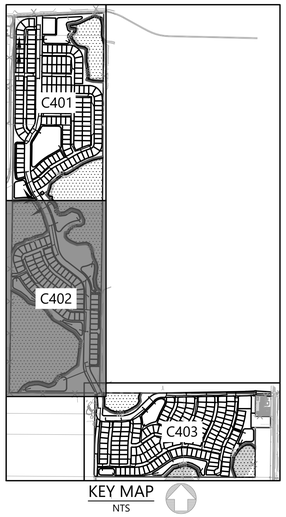
0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C401

--ISSUED--FOR--CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise 80 and 90\PLSP\SHTS\Pcm Sets\Site-Preliminary\Civil\C-C401 DRAINAGE.dwg LAST SAVED BY: zoeffermoeller 2/25/2025 1:42 PM PLOTTED BY: Kaitlyn Crowell 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB





KEY MAP
NTS

LEGEND

- CONSTRUCTION LIMITS LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- STORM PIPE FLOW ARROW
- STORM DRAINAGE STRUCTURES

PSPXX-XXXX

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HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
DRAINAGE PLAN

DATE 02/27/2025

REVISIONS

KALEN ASHLEY CROMWELL LICENSE No. PE95331 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 50' 100'

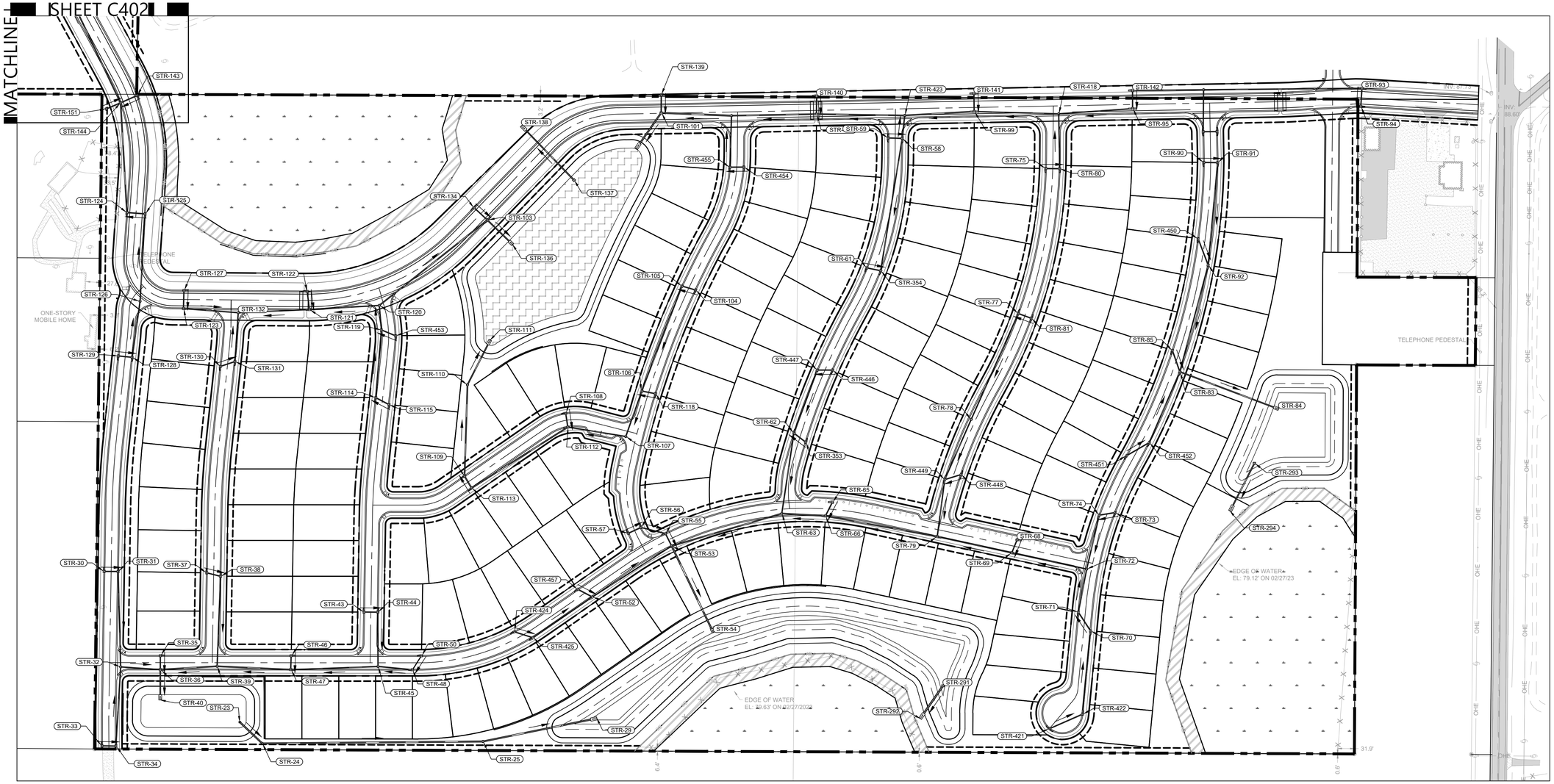
DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C402

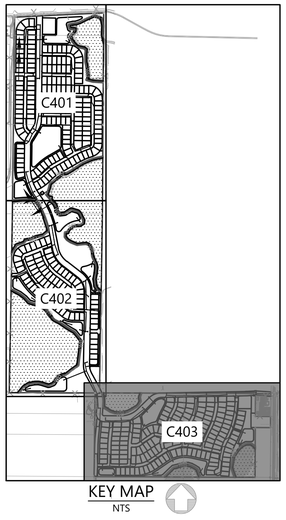
DOT--ISSUED--FOR--CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise 03 and PSP\CAD\Civ\Sht Set\Site-Preliminary\SITE-C401 DRAINAGE.dwg LAST SAVED BY: anchristopoulos 2/25/2025 1:43 PM PLOTTED BY: Kalen Cromwell 3/26/2025 MAPLH: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG To PDF.PC3 PLOT STYLE: ATWELL.CTB

MATCHLINE

SHEET C402





KEY MAP
NTS

LEGEND

- CONSTRUCTION LIMITS LINE
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- STORM PIPE FLOW ARROW
- STORM DRAINAGE STRUCTURES

PSPXX-XXXX

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HOWEY-IN-THE-HILLS

LAKE COUNTY, FLORIDA

MISSION RISE

TURNSTONE GROUP

PRELIMINARY SUBDIVISION PLAT

DRAINAGE PLAN

DATE 02/27/2025

REVISIONS

KAITLYN ASHLEY CROWLEY
LICENSE
No. PE95331
STATE OF FLORIDA
PROFESSIONAL ENGINEER

0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C403

NOT ISSUED FOR CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise 80 Use PSP\Dwg\Plan Sets\Site+Preliminary\Utility-Cal1 DRAINAGE.dwg LAST SAVED BY: zoeferrendo 2/25/2025 1:42 PM PLOTTED BY: Kathyn Crowell 3/26/2025 PAPER: ARCH FULL BLEED D (24.00" X 36.00" WHOMSD) DEVICE: DWG To PDF.PC3 PLOT STYLE: ATWELL.CTB

MATCHLINE SEE BELOW

MATCHLINE SEE SHEET C502

MATCHLINE SEE SHEET C502

PROPOSED JACK AND BORE

SHWL: 78.85'

SHWL: 79.55'

SSMH-403 SSMH-404 SSMH-405 SSMH-406 SSMH-407 SSMH-408 SSMH-409 SSMH-410 SSMH-411 SSMH-412 SSMH-413 SSMH-414 SSMH-400 SSMH-399 SSMH-396 SSMH-397 SSMH-395 SSMH-394 SSMH-401 SSMH-402 SSMH-398 SSMH-381 SSMH-382 SSMH-383 SSMH-380 SSMH-377 SSMH-378 SSMH-379 SSMH-387 SSMH-388 SSMH-389 SSMH-390 SSMH-391 SSMH-415 SSMH-416 SSMH-417 SSMH-384 SSMH-385 SSMH-386 SSMH-21 SSMH-22

50 LF 8" PVC
376 LF 8" PVC
314 LF 8" PVC
281 LF 8" PVC
78 LF 8" PVC
PROPOSED 8" WM (TYP)
366 LF 8" PVC
321 LF 8" PVC
74 LF 8" PVC
70 LF 8" PVC
66 LF 8" PVC
250 LF 8" PVC
123 LF 8" PVC
268 LF 8" PVC
PROPOSED FH ASSEMBLY (TYP)
254 LF 8" PVC
217 LF 8" PVC
280 LF 8" PVC
PROPOSED LIFT STATION
101 LF 10" PVC
219 LF 8" PVC
144 LF 8" PVC
246 LF 8" PVC
260 LF 8" PVC
201 LF 8" PVC
PROPOSED 6" FM (TYP)
PROPOSED 8" RWM (TYP)
305 LF 8" PVC
300 LF 8" PVC
298 LF 8" PVC
156 LF 8" PVC
177 LF 8" PVC
PROPOSED 12" WM (TYP)
178 LF 8" PVC
128 LF 8" PVC
117 LF 8" PVC
121 LF 8" PVC
73 LF 8" PVC
247 LF 8" PVC
265 LF 8" PVC
122 LF 8" PVC
358 LF 8" PVC
345 LF 8" PVC
360 LF 8" PVC
159 LF 8" PVC

C501
C502
C503

KEY MAP
NTS

MATCHLINE SEE ABOVE

PROPOSED 12" WM (TYP)

CONNECTION TO EXISTING 12" WM (DESIGNED BY OTHERS)

CONNECT TO EXISTING 10" FM (DESIGNED BY OTHERS)

OFFSITE CONNECTION EXHIBIT

LEGEND

- PROPERTY BOUNDARY
- STREET CENTER LINE
- DRAINAGE EASEMENT / BUFFER LINE
- PLANS MATCH LINE
- PROPOSED SANITARY PIPE
- SANITARY CLEAN OUT
- SANITARY MANHOLE
- FIRE HYDRANT ASSEMBLY
- 8W 8W POTABLE WATER PIPE
- 8R 8R RECLAIM WATER PIPE
- 6FM 6FM FORCEMAIN PIPE
- GATE VALVE (TO MATCH SIZE OF CONNECTING PIPE)

PSPXX-XXXX

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COA# 29091

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HOWEY-IN-THE-HILLS

LAKE COUNTY , FLORIDA

MISSION RISE

TURNSTONE GROUP

PRELIMINARY SUBDIVISION PLAT

UTILITY PLAN

DATE 02/27/2025

REVISIONS

KELVIN ASHLEY CROMWELL LICENSED No. PE95331 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C501

1 ISSUED FOR CONSTRUCTION 02/27/2025

THESE PLANS ARE NOT RELEASED FOR CONSTRUCTION UNLESS THEY BEAR THE SIGNATURE AND SEAL OF THE ENGINEER OF RECORD

FILE NAME: K:\23000180 Mission Rise DD and PSP\DWG\Plan Set\Site-Preliminary\C501-C501 UTILITY PLAN.dwg LAST SAVED BY: kcromwell 3/26/2025 11:15 PM PLOTTED BY: Kaitlyn Crowell 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB

KEY MAP
NTS

LEGEND

- PROPERTY BOUNDARY
- STREET CENTER LINE
- DRAINAGE EASEMENT LINE
- PLANS MATCH LINE
- PROPOSED SANITARY PIPE
- SANITARY CLEAN OUT
- SANITARY MANHOLE
- FIRE HYDRANT ASSEMBLY
- 8W — 8W — POTABLE WATER PIPE
- 8R — 8R — RECLAIM WATER PIPE
- 6FM — 6FM — FORCEMAIN PIPE
- GATE VALVE (TO MATCH SIZE OF CONNECTING PIPE)

PSPXX-XXXX

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COA# 29091

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HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
UTILITY PLAN

DATE 02/27/2025

REVISIONS

KALEIGH ASHLEY CROMWELL LICENSE No. PE95331 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C502

NOT--ISSUED--FOR--CONSTRUCTION

FILE NAME: K:\23000180 Mission Rise 80 and PSP\CAD\Civ\Sht Sets\Site-Preliminary\SITE-C501 UTILITY PLAN.dwg LAST SAVED BY: kcromwell 3/26/2025 12:15 PM PLOTTED BY: Kaleigh Cromwell 3/26/2025 PAGES: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB

MATCHLINE SEE SHEET C502

MATCHLINE SEE BELOW

SSMH-14 SSMH-10 SSMH-11 SSMH-12 SSMH-13 SSMH-09 SSMH-08 SSMH-07 SSMH-06 SSMH-05 SSMH-04 SSMH-03 SSMH-02 SSMH-01 SSMH-336 SSMH-333 SSMH-335 SSMH-332 SSMH-338 SSMH-343 SSMH-344 SSMH-345 SSMH-346 SSMH-352 SSMH-361 SSMH-351 SSMH-360 SSMH-350 SSMH-359 SSMH-349 SSMH-362 SSMH-356 SSMH-357 SSMH-358 SSMH-340 SSMH-339 SSMH-341 SSMH-347 SSMH-348 SSMH-363 SSMH-334 SSMH-342

280 LF 8" PVC
308 LF 8" PVC
292 LF 8" PVC
303 LF 8" PVC
358 LF 8" PVC
209 LF 6" PVC
212 LF 6" PVC
182 LF 8" PVC
301 LF 8" PVC
55 LF 8" PVC
225 LF 8" PVC
346 LF 8" PVC
303 LF 8" PVC
65 LF 8" PVC
248 LF 8" PVC
177 LF 8" PVC
161 LF 8" PVC
161 LF 8" PVC
247 LF 8" PVC
241 LF 8" PVC
209 LF 8" PVC
220 LF 8" PVC
89 LF 6" PVC
110 LF 6" PVC
247 LF 8" PVC
121 LF 8" PVC
357 LF 8" PVC
61 LF 8" PVC
143 LF 8" PVC
171 LF 8" PVC
87 LF 8" PVC
198 LF 8" PVC
198 LF 8" PVC
198 LF 8" PVC
217 LF 6" PVC
212 LF 6" PVC
170 LF 6" PVC
185 LF 8" PVC
124 LF 8" PVC
359 LF 30" RCP @0.1%
420 LF 30" RCP @0.1%
221 LF 30" RCP @0.1%
200 LF 8" PVC

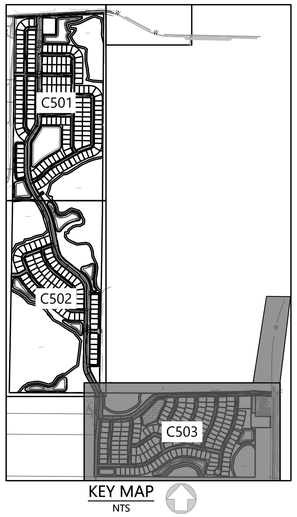
4.71%

PROPOSED 12" WM (TYP)
PROPOSED FH ASSEMBLY (TYP)
PROPOSED 8" RWM (TYP)
PROPOSED 8" WM (TYP)
PROPOSED 8" WM (TYP)

SEWER AND WATER WILL BE PROVIDE TO THE TRAILHEAD SITE

SHWL: 79.93'
SHWL: 80.74'
SHWL: 80.56'

OHE



KEY MAP
NTS

CONNECTION TO EXISTING 12" WM (DESIGNED BY OTHERS)

PROPOSED 12" WM (TYP)

MATCHLINE SEE ABOVE

LEGEND

- PROPERTY BOUNDARY
- STREET CENTER LINE
- DRAINAGE EASEMENT LINE
- PLANS MATCH LINE
- PROPOSED SANITARY PIPE
- SANITARY CLEAN OUT
- SANITARY MANHOLE
- FIRE HYDRANT ASSEMBLY
- 8W — 8W — POTABLE WATER PIPE
- 8R — 8R — RECLAIM WATER PIPE
- 6FM — 6FM — FORCEMAIN PIPE
- GATE VALVE (TO MATCH SIZE OF CONNECTING PIPE)

PSPXX-XXXX

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CA 29758
COA# 29091

SEC 27,34 TWP 20 S RGE 25 E
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HOWEY-IN-THE-HILLS
LAKE COUNTY , FLORIDA

MISSION RISE
TURNSTONE GROUP
PRELIMINARY SUBDIVISION PLAT
UTILITY PLAN

DATE 02/27/2025

REVISIONS

KALYN ASHLEY CROMEEN LICENSE No. PE95331 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 50' 100'

DRAWN BY: AP
CHECKED BY: ZOR
PROJECT MANAGER: KC
JOB #: 23000180
FILE CODE: --
SHEET NO. C503

NOT ISSUED FOR CONSTRUCTION UNLESS SIGNED AND SEALED

FILE NAME: K:\23000180 Mission Rise 80 and PSP\DWG\Plan Set\Site-Preliminary\C500-C501 UTILITY PLAN.dwg LAST SAVED BY: kcromeen 3/26/2025 12:15 PM PLOTTED BY: Kaitlyn Cromeen 3/26/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB

SURVEYOR'S NOTES

1. THIS MAP OF BOUNDARY, TOPOGRAPHIC & WETLAND SURVEY SHOULD CONTAIN THE ELECTRONIC SEAL AND SIGNATURE OF A FLORIDA LICENSED SURVEYOR AND MAPPER, IS TO BE USED IN DIGITAL FORM ONLY, AND IS INVALIDATED ONCE PRINTED. PRINTED COPIES OF THIS SURVEY ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND RAISED SEAL OF SAID SURVEYOR.
2. ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND IS BASED ON THE "REFERENCE BENCHMARK" STATED HEREON. THE SITE BENCHMARKS SHOWN HEREON WERE ESTABLISHED USING A CLOSED LEVEL LOOP UTILIZING THE SAID REFERENCE BENCHMARK, MEETING OR EXCEEDING THE STANDARDS OF PRACTICE.
3. NORTHINGS AND EASTINGS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, FLORIDA STATE PLANE, EAST ZONE AND IS BASED ON THE "REFERENCE BENCHMARK" STATED HEREON. THE SITE BENCHMARKS SHOWN HEREON WERE ESTABLISHED USING A REAL-TIME KINEMATIC (RTK) GPS SOLUTION ON BOTH THE REFERENCE BENCHMARK AND SET SITE BENCHMARKS, MEETING OR EXCEEDING THE STANDARDS OF PRACTICE.
4. THE LANDS SHOWN HEREON LIE IN ZONE "X" (UNSHADED) DESCRIBED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AND ZONE "X" (SHADED) DESCRIBED AS AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD, AND ZONE "A" DESCRIBED AS NO BASE FLOOD ELEVATION DETERMINED, AND ZONE "AE" DESCRIBED AS BASE FLOOD ELEVATION DETERMINED AT 83.6 FEET, PER THAT CERTAIN "LETTER OF MAP REVISION DETERMINATION DOCUMENT," CASE NO: 19-04-2449P, DATED 01/30/2020, ACCOCIATED WITH THE FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 12069C0485E FOR HOWEY IN THE HILLS (120585), EFFECTIVE 12/18/2012. THE LIMITS OF SAID ZONES ARE GRAPHICALLY DEPICTED HEREON AS NEAR AS MAY BE SCALED FROM SAID MAP OR IMPORTED FROM GIS DATA PROVIDED BY FEMA. THE ABOVE STATEMENT IS FOR INFORMATION ONLY AND WE ASSUME NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP(S). IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THE SURVEYOR'S OPINION OF THE PROBABILITY OF FLOODING.
5. THE "LEGAL DESCRIPTION" STATED HEREON WAS OBTAINED FROM THE LATEST PUBLIC DEED LISTED ON THE PROPERTY APPRAISER'S WEBSITE.
6. NO ABSTRACT FOR RIGHTS-OF-WAY, EASEMENTS, OWNERSHIP OR OTHER INSTRUMENTS OF RECORD, EXCEPT FOR THOSE NOTED HEREON, HAVE BEEN PROVIDED TO THIS FIRM.
7. UNLESS OTHERWISE NOTED OR SHOWN HEREON, THERE ARE NO APPARENT AND/OR UNOBSTRUCTED, ABOVE GROUND ENCROACHMENTS. THE DISPOSITION OF ANY POTENTIAL ENCROACHING IMPROVEMENTS SHOWN IS BEYOND PROFESSIONAL PURVIEW AND SUBJECT TO LEGAL INTERPRETATION.
8. NORTH-SOUTH AND EAST-WEST TIES TO RECOVERED MONUMENTATION NEAR VARIOUS LAND BOUNDARY CORNERS SHOWN HEREON ARE BY COORDINATE DIFFERENCE.
9. ATTENTION IS DIRECTED TO THE FACT THAT THIS MAP MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
10. SYMBOLS DEPICTED HEREON DO NOT REFLECT ACTUAL SIZE. PUBLISHED DIMENSIONS PRECEDE MAP SCALING.
11. THE SURVEYED LANDS MAY BE SUBJECT TO JURISDICTIONAL ENTITIES.
12. WETLANDS SHOWN HEREON WERE DETERMINED BY BIO-TECH CONSULTING INC ON 11/04/2022 AND THE REPORT WAS PROVIDED TO THIS FIRM BY THE CLIENT.
13. DUE TO PHYSICAL LIMITATIONS, A MONUMENT CONFORMING TO CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE, STANDARDS OF PRACTICE COULD NOT BE SET, THE LOCATION OF WHICH HAS BEEN NOTED ON THE MAP.
14. THIS SURVEY WAS COMPLETED WITH THE BENEFIT OF A PREVIOUS SURVEY BY "DEWBERRY," PROJECT NUMBER 50060244, DATED 11/04/2013, AND WAS PROVIDED BY THE CLIENT.
15. TOPOGRAPHIC INFORMATION SHOWN HEREON WAS COLLECTED VIA LIDAR DRONE BY DRONEVIEW, PROJECT NUMBER 23021806P, FLIGHT DATE 02/27/2023. THE SURVEYOR HAS VERIFIED THE TOPOGRAPHIC INFORMATION SHOWN HEREON.

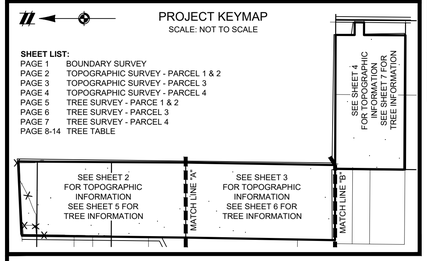
SURVEYOR'S LEGEND

BM	BENCHMARK
CCR	CERTIFIED CORNER RECORD
CM	CONCRETE MONUMENT
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FND	FOUND
INS	INSTRUMENT
IP	IRON PIPE
IR	IRON ROD
IRC	IRON ROD & CAP
LB	LICENSED BUSINESS
NGS	NATIONAL GEODETIC SURVEY
NLD	NAIL & DISK
ORB	OFFICIAL RECORDS BOOK
PB	PLAT BOOK
PCP	PERMANENT CONTROL POINT
PG	PAGE
PRM	PERMANENT REFERENCE MONUMENT
R/W	RIGHT-OF-WAY
RD	ROOF DRAIN
RNG	RANGE
SEC	SECTION
SET	SET "LB 7832"
SW	SIDEWALK
TWN	TOWNSHIP
ESMT	EASEMENT

BENCHMARK
BREAKLINE
CONCRETE MONUMENT FOUND
IRON ROD FOUND
NAIL & DISK FOUND
WETLAND FLAG
WOODEN POWER POLE
TELEPHONE PEDESTAL
MITERED END SECTION
WETLAND
BUILDING FOOTPRINT
CONCRETE
ASPHALT PAVEMENT
SUBJECT PROPERTY LINE
ADJACENT PROPERTY LINE
EASEMENT LINE
CENTERLINE
RIGHT-OF-WAY LINE
FEMA FLOOD LINE
WATER'S EDGE LINE
4' BARBED WIRE FENCE
GUARD RAIL

PROJECT KEYMAP

SCALE: NOT TO SCALE



SHEET LIST:

PAGE 1	BOUNDARY SURVEY
PAGE 2	TOPOGRAPHIC SURVEY - PARCEL 1 & 2
PAGE 3	TOPOGRAPHIC SURVEY - PARCEL 3
PAGE 4	TOPOGRAPHIC SURVEY - PARCEL 4
PAGE 5	TREE SURVEY - PARCE 1 & 2
PAGE 6	TREE SURVEY - PARCEL 3
PAGE 7	TREE SURVEY - PARCEL 4
PAGE 8-14	TREE TABLE

LEGAL DESCRIPTION

PER INS #2022092113, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA

PARCEL 1:
THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 25 EAST, SAID LAND LYING AND BEING IN LAKE COUNTY, FLORIDA.

PARCEL 2:
THAT PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER LYING SOUTH OF CLAY ROAD (NUMBER TWO ROAD) IN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 25 EAST, SAID LAND LYING AND BEING SITUATE IN LAKE COUNTY, FLORIDA.

PARCEL 3:
THE EAST HALF OF THE SOUTHEAST QUARTER OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 25 EAST, SAID LAND LYING AND BEING SITUATE IN LAKE COUNTY, FLORIDA.

PARCEL 4:
THE NORTH HALF OF GOVERNMENT LOTS 3 AND 4, ALSO KNOWN AS THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, SAID LAND LYING AND BEING SITUATE IN LAKE COUNTY, FLORIDA.

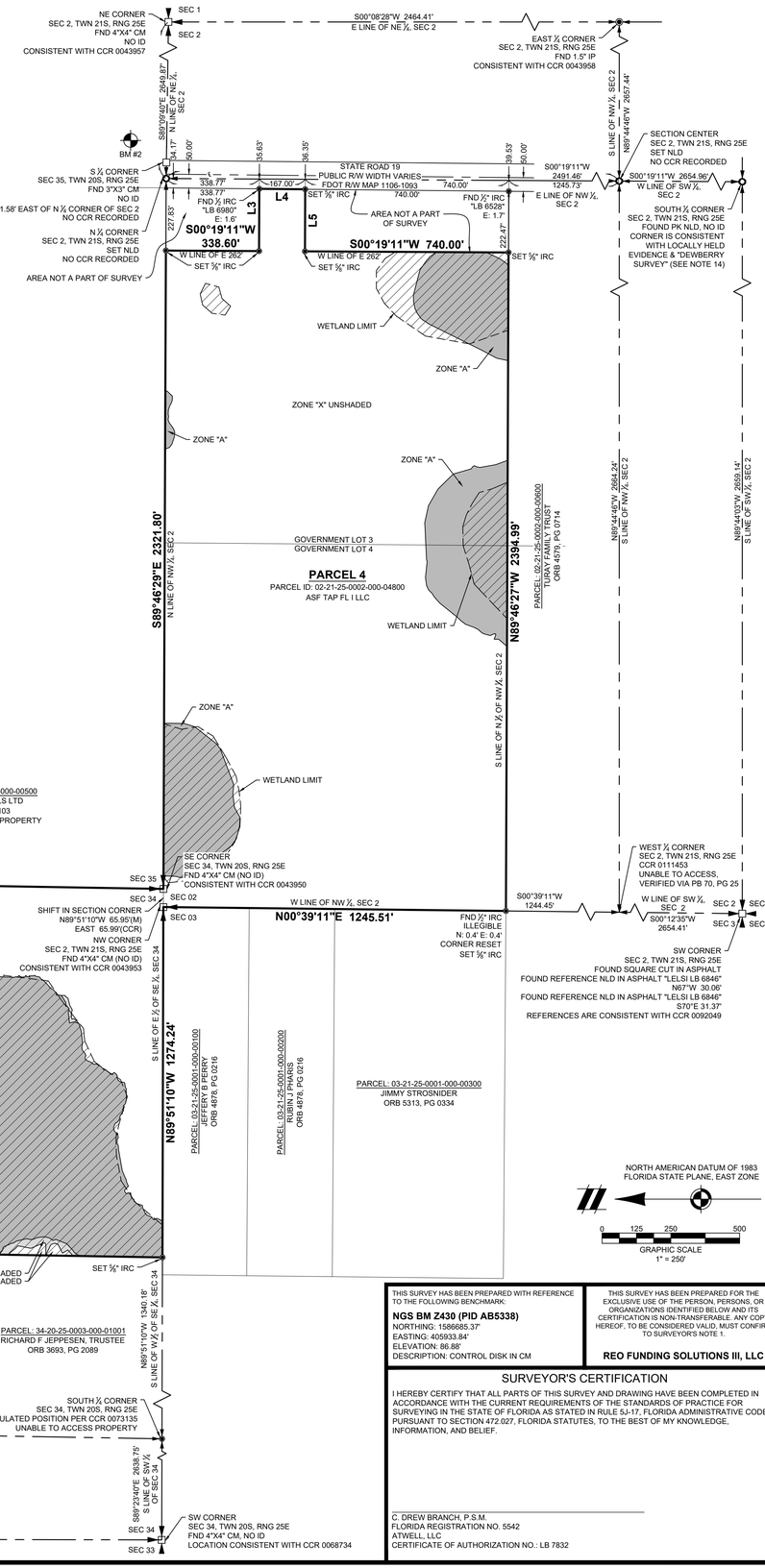
LESS: THE EAST 262 FEET OF THE FOLLOWING DESCRIBED PROPERTY: NORTH HALF OF GOVERNMENT LOT 3, SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, LYING WEST OF ROAD RIGHT-OF-WAY FOR HIGHWAY 19. LESS THE SOUTH 907 FEET THEREOF.

AND

LESS: THE SOUTH 740 FEET OF THE EAST 262 FEET OF THE FOLLOWING DESCRIBED PROPERTY: NORTH HALF OF GOVERNMENT LOT 3, SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, LYING WEST OF ROAD RIGHT-OF-WAY FOR HIGHWAY 19.

PROJECT BENCHMARKS				
ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM #1	1590322.14'	402056.54'	101.90'	SET ⅝" IRC
BM #2	1586590.62'	406069.98'	87.35'	SET ⅝" IRC

LINE TABLE		
L#	BEARING	DISTANCE
L1	N00°33'42"E	266.19'
L2	S00°38'43"W	339.44'
L3	S89°45'49"E	226.37'
L4	S00°33'59"W	167.00'
L5	N89°46'27"W	225.65'



THIS SURVEY HAS BEEN PREPARED WITH REFERENCE TO THE FOLLOWING BENCHMARK:

NGS BM Z430 (PID AB5338)
NORTHING: 1586685.37'
EASTING: 405933.84'
ELEVATION: 86.88'
DESCRIPTION: CONTROL DISK IN CM

THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS, OR ORGANIZATIONS IDENTIFIED BELOW AND ITS CERTIFICATION IS NON-TRANSFERABLE. ANY COPY HEREOF, TO BE CONSIDERED VALID, MUST CONFIRM TO SURVEYOR'S NOTE 1.

REO FUNDING SOLUTIONS III, LLC

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF FLORIDA AS STATED IN RULE 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

C. DREW BRANCH, P.S.M.
FLORIDA REGISTRATION NO. 5542
ATWELL, LLC
CERTIFICATE OF AUTHORIZATION NO.: LB 7832

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

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MAITLAND, FL 32751
407.775.6500
FLORIDA SURVEY CERTIFICATE OF AUTHORIZATION # LB 7832

LOCATED IN:
SECCTION 2, TOWNSHIP 21 S, RANGE 25 E & SECTION 34, TOWNSHIP 20 S, RANGE 25 E

PARCEL ID: 2212500020004800;342025000400001003, 342025000100000100, & 272025000400001200

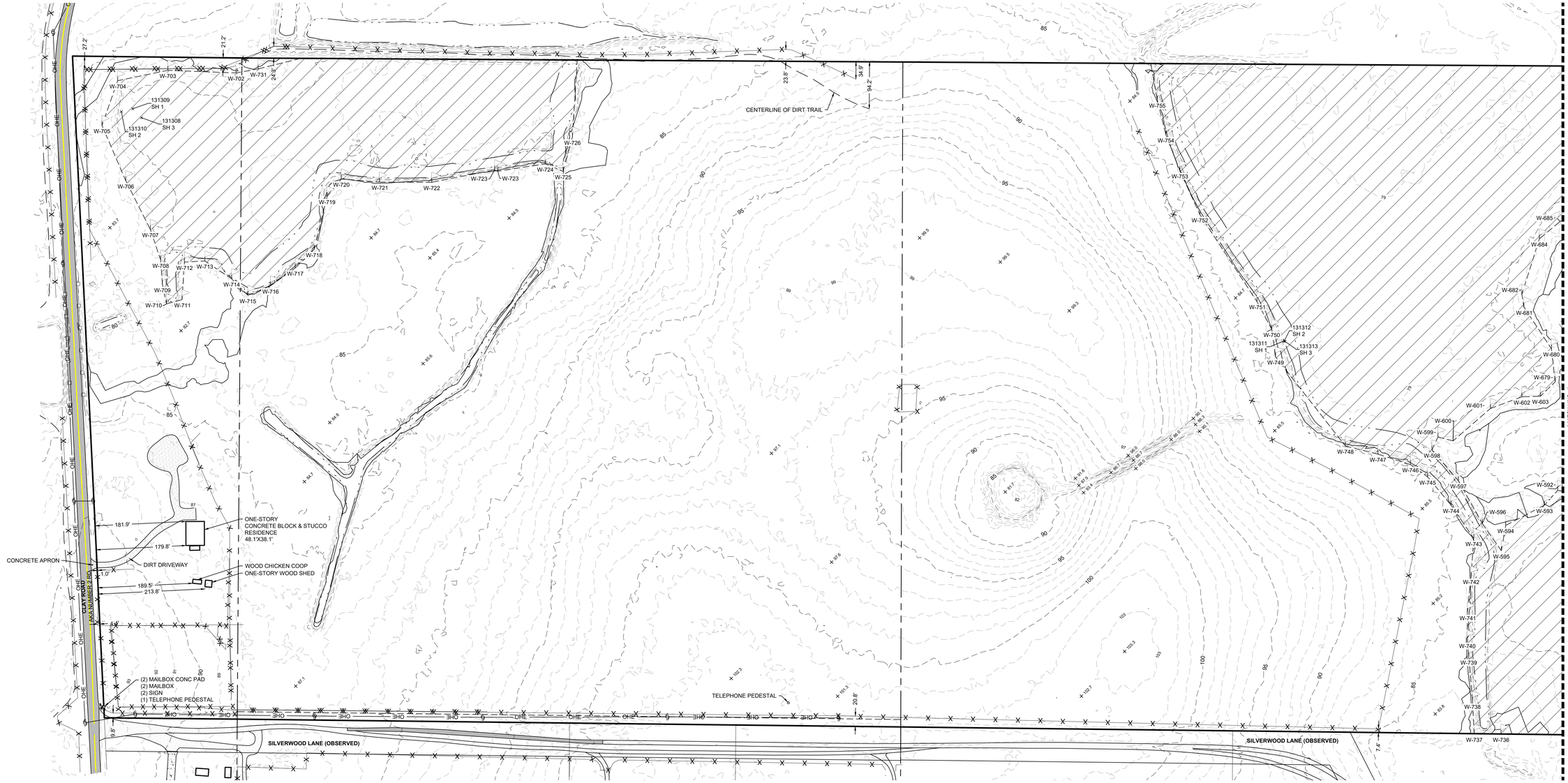
REVELS ROAD
HOWEY IN THE HILLS, LAKE COUNTY, FLORIDA, 34737

MAP OF
BOUNDARY, TOPOGRAPHIC, WETLAND & TREE SURVEY

MISSION RISE

REV.	DRAFTER	REV. DATE	COMMENTS
1	KH	12/12/2024	ADDED TREE SURVEY
2	NW	01/20/2025	ADDED SHWE NAIL LOCATIONS

DWG.	KH
CH.	DB
PM.	NW
FIELD DATE:	01/20/2025
PLOT DATE:	01/24/2025
JOB	22005325
SHEET NO.	1 OF 14



SURVEYOR'S LEGEND

BM	BENCHMARK
CCR	CERTIFIED CORNER RECORD
CM	CONCRETE MONUMENT
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FND	FOUND
INS	INSTRUMENT
IP	IRON PIPE
IR	IRON ROD
IRC	IRON ROD & CAP
LB	LICENSED BUSINESS
NGS	NATIONAL GEODETIC SURVEY
NLD	NAIL & DISK
ORB	OFFICIAL RECORDS BOOK
PB	PLAT BOOK
PCP	PERMANENT CONTROL POINT
PG	PAGE
PRM	PERMANENT REFERENCE MONUMENT
R/W	RIGHT-OF-WAY
RD	ROOF DRAIN
RNG	RANGE
SEC	SECTION
SET	SET "LB 7832"
SW	SIDEWALK
TWN	TOWNSHIP
ESMT	EASEMENT

- WATER'S EDGE LINE
- 4' BARBED WIRE FENCE
- GUARD RAIL
- BENCHMARK
- BREAKLINE
- CONCRETE MONUMENT FOUND
- IRON ROD FOUND
- NAIL & DISK FOUND
- WETLAND FLAG
- WOODEN POWER POLE
- TELEPHONE PEDESTAL
- MITERED END SECTION
- WETLAND
- BUILDING FOOTPRINT
- CONCRETE
- ASPHALT PAVEMENT
- SUBJECT PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- FEMA FLOOD LINE

NORTH AMERICAN DATUM OF 1983
FLORIDA STATE PLANE, EAST ZONE

CONTOUR INTERVAL:
MAJOR: 5.00'
MINOR: 1.00'

0 50 100 200
GRAPHIC SCALE
1" = 100'

Seasonal High Water Table

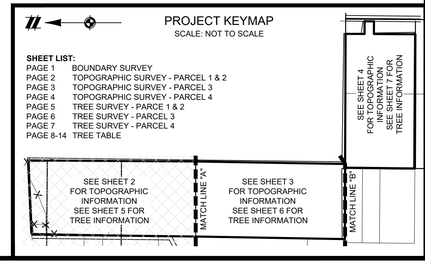
Point #	Northing	Easting	Elevation	Raw Description
131308	1591985.69	403288.85	78.85	SH 3
131309	1592003.27	403306.79	78.92	SH 1
131310	1592026.10	403300.95	78.86	SH 2

Seasonal High Water Table

Point #	Northing	Easting	Elevation	Raw Description
131311	1589697.63	402841.69	79.55	SH 1
131312	1589697.35	402841.37	79.56	SH 2
131313	1589695.51	402840.88	79.54	SH 3

PROJECT KEYMAP

SCALE: NOT TO SCALE



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MAITLAND, FL 32751
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FLORIDA SURVEY CERTIFICATE OF AUTHORIZATION # LB 7832

LOCATED IN:
SECCTION 2, TOWNSHIP 21 S, RANGE 25 E &
SECTION 34, TOWNSHIP 20 S, RANGE 25 E

PARCEL ID: 2212500020000480O, 3420250004000010O3, 3420250001000001O0, & 2720250004000012O0

REVELS ROAD

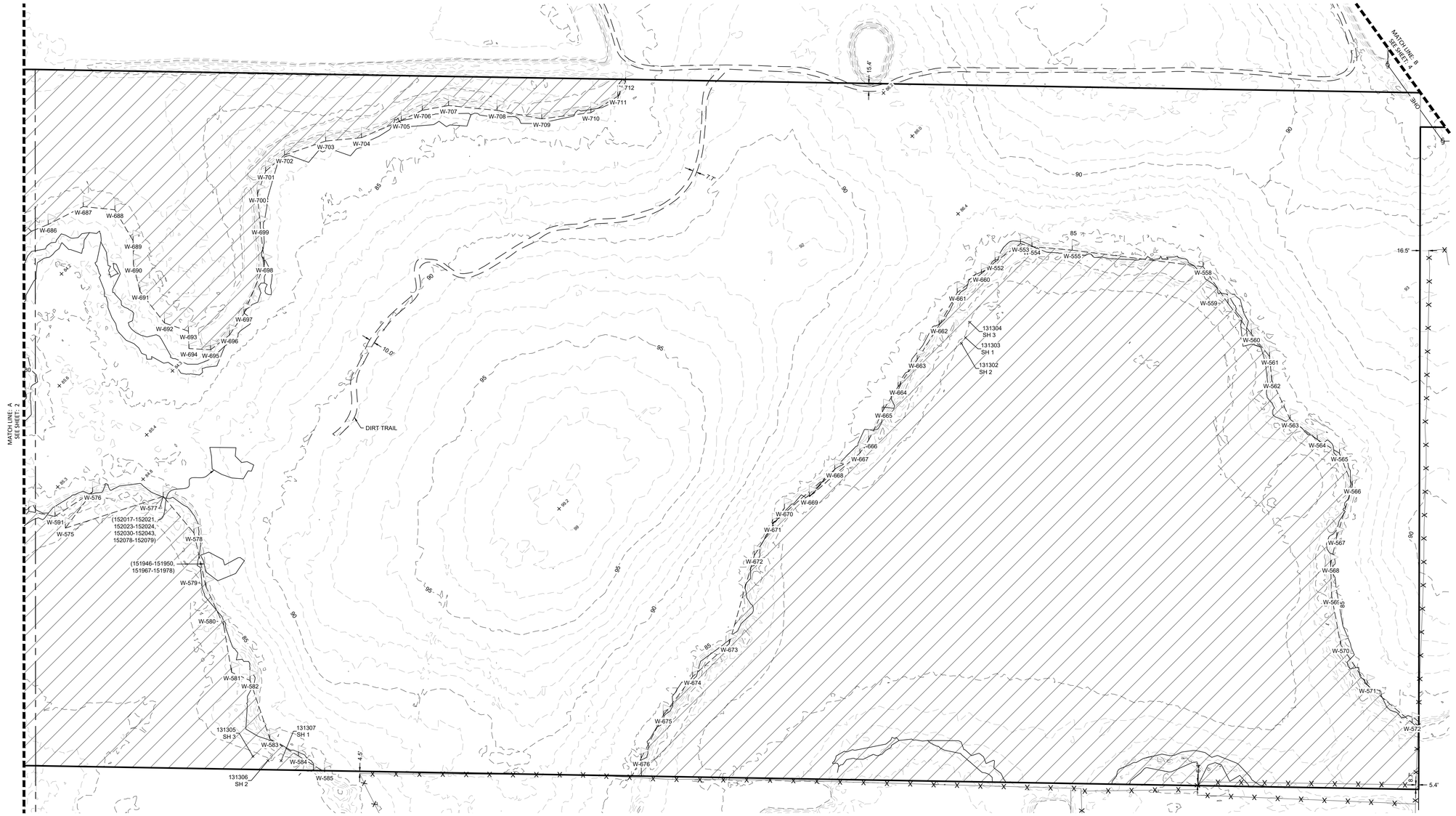
HOWEY IN THE HILLS, LAKE COUNTY, FLORIDA, 34737

MAP OF
BOUNDARY, TOPOGRAPHIC, WETLAND & TREE SURVEY

MISSION RISE

REV	DRAFTER	REV. DATE	COMMENTS
1	KH	12/12/2024	ADDED TREE SURVEY
2	NW	01/20/2025	ADDED SHWE MAIL LOCATIONS

DWG. KH CH. DB
PM. NW
FIELD DATE: 01/20/2025
PLOT DATE: 01/24/2025
JOB 22005325
SHEET NO.
2 OF 14



SURVEYOR'S LEGEND

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INS	INSTRUMENT
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IR	IRON ROD
IRC	IRON ROD & CAP
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NLD	NAIL & DISK
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PCP	PERMANENT CONTROL POINT
PG	PAGE
PRM	PERMANENT REFERENCE MONUMENT
R/W	RIGHT-OF-WAY
RD	ROOF DRAIN
RNG	RANGE
SEC	SECTION
SET	SET "LB 7832"
SW	SIDEWALK
TWN	TOWNSHIP
ESMT	EASEMENT

- BENCHMARK
- BREAKLINE
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- TELEPHONE PEDESTAL
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- SUBJECT PROPERTY LINE
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- EASEMENT LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- FEMA FLOOD LINE
- WATER'S EDGE LINE
- 4' BARBED WIRE FENCE
- GUARD RAIL

NORTH AMERICAN DATUM OF 1983
FLORIDA STATE PLANE, EAST ZONE

CONTOUR INTERVAL:
MAJOR: 5.00'
MINOR: 1.00'

GRAPHIC SCALE
0 50 100 200
1" = 100'

Seasonal High Water Table				
Point #	Northing	Easting	Elevation	Raw Description
131305	1588718.32	402071.29	80.12	SH 3
131306	1588689.24	402062.81	80.51	SH 2
131307	1588664.02	402062.58	79.86	SH 1

Seasonal High Water Table				
Point #	Northing	Easting	Elevation	Raw Description
131302	1587354.71	402865.30	80.20	SH 2
131303	1587346.94	402876.46	80.14	SH 1
131304	1587338.49	402906.03	80.16	SH 3

PROJECT KEYMAP

SCALE: NOT TO SCALE

SHEET LIST:

PAGE 1 BOUNDARY SURVEY
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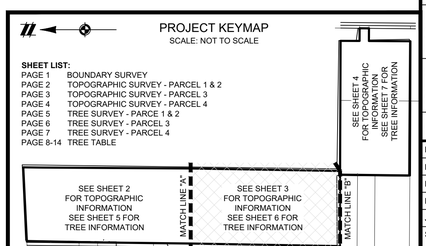
PAGE 8-14 TREE TABLE



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FLORIDA SURVEY CERTIFICATE OF AUTHORIZATION # LB 7832

LOCATED IN:
SECCTION 2, TOWNSHIP 21 S, RANGE 25 E &
SECTION 34, TOWNSHIP 20 S, RANGE 25 E

PARCEL ID: 22125002000048000,34202500400001003, 34202500010000100, & 27202500400001200

REVELS ROAD

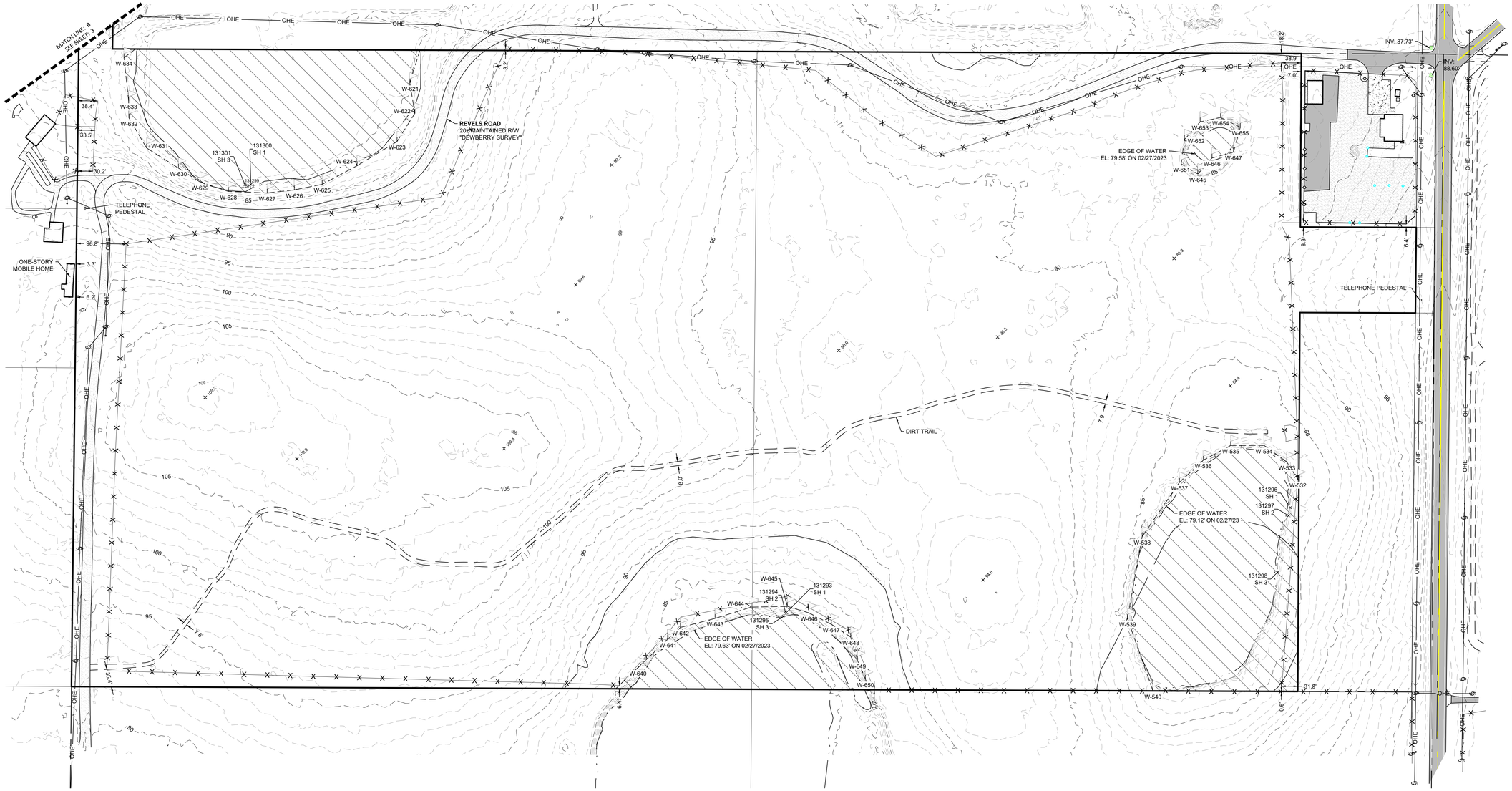
HOWEY IN THE HILLS, LAKE COUNTY, FLORIDA, 34737

MAP OF
BOUNDARY, TOPOGRAPHIC, WETLAND & TREE SURVEY

MISSION RISE

REV	DRAFTER	REV. DATE	COMMENTS
1	KH	12/12/2024	ADDED TREE SURVEY
2	NW	01/20/2025	ADDED SIHWE NAIL LOCATIONS

DWG. KH CH. DB
PM. NW
FIELD DATE: 01/20/2025
PLOT DATE: 01/24/2025
JOB 22005325
SHEET NO.
3 OF 14



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RD	ROOF DRAIN
RNG	RANGE
SEC	SECTION
SET	SET "LB 7832"
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TWN	TOWNSHIP
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WATER'S EDGE LINE
4' BARBED WIRE FENCE
GUARD RAIL

BENCHMARK
BREAKLINE
CONCRETE MONUMENT FOUND
IRON ROD FOUND
NAIL & DISK FOUND
WETLAND FLAG
WOODEN POWER POLE
TELEPHONE PEDESTAL
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CONCRETE
ASPHALT PAVEMENT
SUBJECT PROPERTY LINE
ADJACENT PROPERTY LINE
EASEMENT LINE
CENTERLINE
RIGHT-OF-WAY LINE
FEMA FLOOD LINE

NORTH AMERICAN VERTICAL DATUM OF 1988
NORTH AMERICAN DATUM OF 1983 (2011) EPOCH 2010.00
FLORIDA STATE PLANE EAST ZONE

CONTOUR INTERVAL:
MAJOR: 5.00'
MINOR: 1.00'

GRAPHIC SCALE
1" = 100'
0 50 100 200

Seasonal High Water Table

Point #	Northing	Easting	Elevation	Raw Description
131299	1586209.06	403620.22	79.86	SH 2
131300	1586206.91	403618.02	79.94	SH 1
131301	1586206.47	403606.47	79.98	SH 3

Seasonal High Water Table

Point #	Northing	Easting	Elevation	Raw Description
131293	1585370.83	404663.62	80.81	SH 1
131294	1585372.47	404661.76	80.76	SH 2
131295	1585363.22	404657.58	80.66	SH 3

Seasonal High Water Table

Point #	Northing	Easting	Elevation	Raw Description
131296	1585575.80	405647.74	80.43	SH 1
131297	1585560.19	405644.42	80.56	SH 2
131298	1585449.89	405623.27	80.70	SH 3

PROJECT KEYMAP

SCALE: NOT TO SCALE

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PAGE 7	TREE SURVEY - PARCEL 4
PAGE 8-14	TREE TABLE

SEE SHEET 4 FOR TOPOGRAPHIC INFORMATION SEE SHEET 7 FOR TREE INFORMATION
SEE SHEET 2 FOR TOPOGRAPHIC INFORMATION SEE SHEET 5 FOR TREE INFORMATION
MATCH LINE "A"
SEE SHEET 3 FOR TOPOGRAPHIC INFORMATION SEE SHEET 6 FOR TREE INFORMATION
MATCH LINE "B"

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SECTION 34, TOWNSHIP 20 S, RANGE 25 E

PARCEL ID: 22'25000200004800;342025000400001003, 342025000100000100, & 272025000400001200

REVELS ROAD

HOWEY IN THE HILLS, LAKE COUNTY, FLORIDA, 34737

MAP OF
BOUNDARY, TOPOGRAPHIC, WETLAND & TREE SURVEY

MISSION RISE

REV	DRAFTER	REV. DATE	COMMENTS
1	KH	12/12/2024	ADDED TREE SURVEY
2	NW	01/20/2025	ADDED SHWE NAIL LOCATIONS

DWG. KH CH. DB
PM. NW
FIELD DATE: 01/20/2025
PLOT DATE: 01/24/2025
JOB 22005325
SHEET NO.
4 OF 14

MATCH LINE: A
SEE SHEET: 6

SURVEYOR'S LEGEND

BM	BENCHMARK
CCR	CERTIFIED CORNER RECORD
CM	CONCRETE MONUMENT
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
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FND	FOUND
INS	INSTRUMENT
IP	IRON PIPE
IR	IRON ROD
IRC	IRON ROD & CAP
LB	LICENSED BUSINESS
NGS	NATIONAL GEODETIC SURVEY
NLD	NAIL & DISK
ORB	OFFICIAL RECORDS BOOK
PB	PLAT BOOK
PCP	PERMANENT CONTROL POINT
PG	PAGE
PRM	PERMANENT REFERENCE MONUMENT
R/W	RIGHT-OF-WAY
RD	ROOF DRAIN
RNG	RANGE
SEC	SECTION
SET	SET "LB 7832"
SW	SIDEWALK
TWN	TOWNSHIP
ESMT	EASEMENT

BENCHMARK
BREAKLINE
CONCRETE MONUMENT FOUND
IRON ROD FOUND
NAIL & DISK FOUND
WETLAND FLAG
WOODEN POWER POLE
TELEPHONE PEDESTAL
TREE
MITERED END SECTION
WETLAND
BUILDING FOOTPRINT
CONCRETE
ASPHALT PAVEMENT
SUBJECT PROPERTY LINE
ADJACENT PROPERTY LINE
EASEMENT LINE
CENTERLINE
RIGHT-OF-WAY LINE
FEMA FLOOD LINE
WATER'S EDGE LINE
4' BARBED WIRE FENCE
GUARD RAIL

NORTH AMERICAN DATUM OF 1983
FLORIDA STATE PLANE, EAST ZONE

CONTOUR INTERVAL:
MAJOR: 5.00'
MINOR: 1.00'

0 50 100 200
GRAPHIC SCALE
1" = 100'

PROJECT KEYMAP

SCALE: NOT TO SCALE

SHEET LIST:

PAGE 1	BOUNDARY SURVEY
PAGE 2	TOPOGRAPHIC SURVEY - PARCEL 1 & 2
PAGE 3	TOPOGRAPHIC SURVEY - PARCEL 3
PAGE 4	TOPOGRAPHIC SURVEY - PARCEL 4
PAGE 5	TREE SURVEY - PARCE 1 & 2
PAGE 6	TREE SURVEY - PARCEL 3
PAGE 7	TREE SURVEY - PARCEL 4
PAGE 8-14	TREE TABLE

SEE SHEET 2
FOR TOPOGRAPHIC
INFORMATION
SEE SHEET 5 FOR
TREE INFORMATION

SEE SHEET 3
FOR TOPOGRAPHIC
INFORMATION
SEE SHEET 6 FOR
TREE INFORMATION

SEE SHEET 4
FOR TOPOGRAPHIC
INFORMATION
SEE SHEET 7 FOR
TREE INFORMATION

MATCH LINE "A"

MATCH LINE "B"

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

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866.850.4200 www.atwell-group.com
2600 MAITLAND CENTER PKWY, STE 262
MAITLAND, FL 32751
407.775.6500
FLORIDA SURVEY CERTIFICATE OF AUTHORIZATION # LB 7832

LOCATED IN:
SECCTION 2, TOWNSHIP 21 S, RANGE 25 E &
SECTION 34, TOWNSHIP 20 S, RANGE 25 E

PARCEL ID: 2212500020000480O,3402250004000010003, 3402250001000001000, & 2720250004000001200

REVELS ROAD

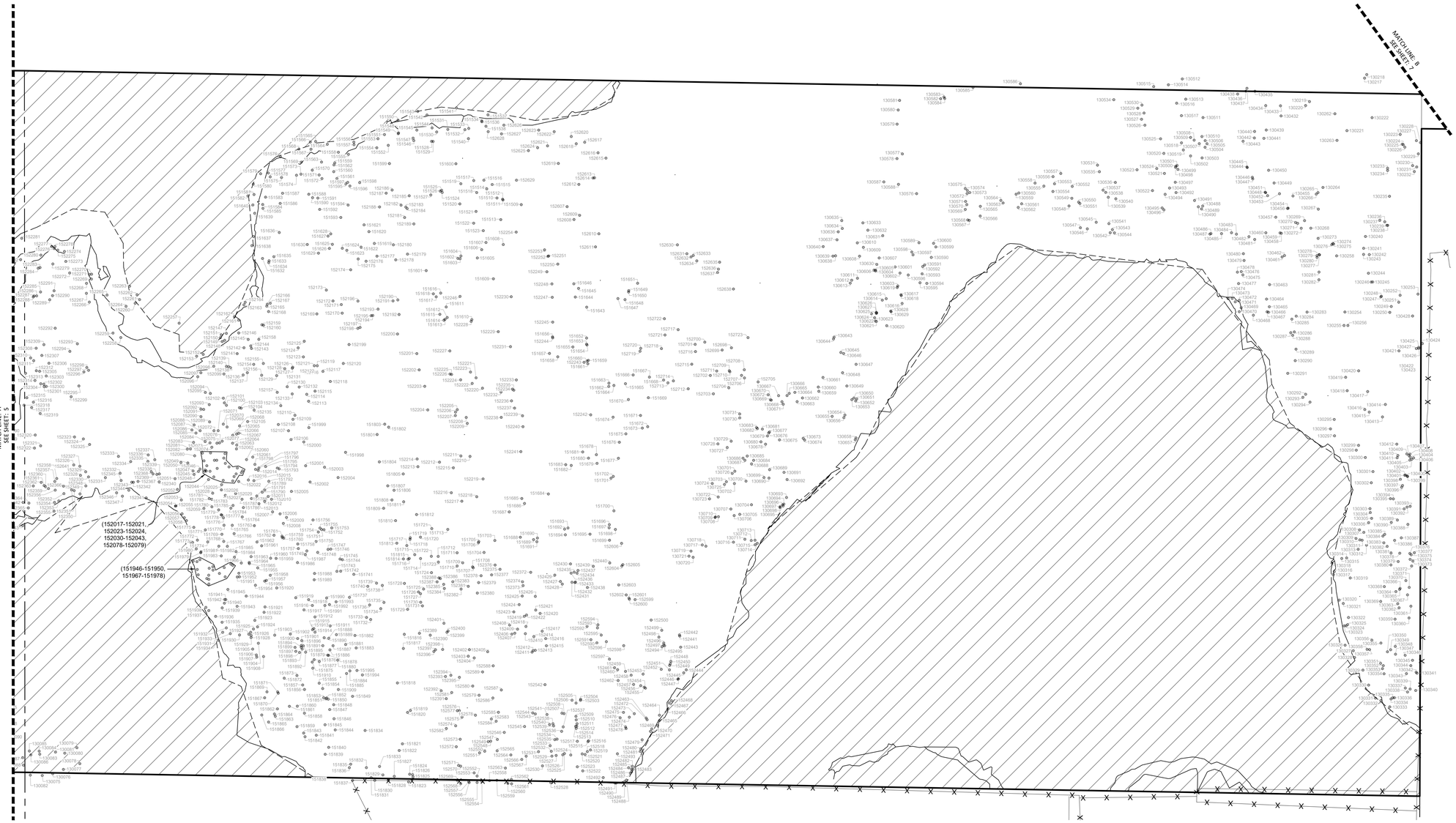
HOWEY IN THE HILLS, LAKE COUNTY, FLORIDA, 34737

MAP OF
BOUNDARY, TOPOGRAPHIC, WETLAND & TREE SURVEY

MISSION RISE

REV	DRAFTER	REV. DATE	COMMENTS
1	KH	12/12/2024	ADDED TREE SURVEY
2	NW	01/20/2025	ADDED SHWE NAIL LOCATIONS

DWG. KH CH. DB
PM. NW
FIELD DATE: 01/20/2025
PLOT DATE: 01/24/2025
JOB 22005325
SHEET NO.
5 OF 14



SURVEYOR'S LEGEND

BM	BENCHMARK
CCR	CERTIFIED CORNER RECORD
CM	CONCRETE MONUMENT
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FND	FOUND
INS	INSTRUMENT
IP	IRON PIPE
IR	IRON ROD
IRC	IRON ROD & CAP
LB	LICENSED BUSINESS
NGS	NATIONAL GEODETIC SURVEY
NLD	NAIL & DISK
ORB	OFFICIAL RECORDS BOOK
PB	PLAT BOOK
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PG	PAGE
PRM	PERMANENT REFERENCE MONUMENT
R/W	RIGHT-OF-WAY
RD	ROOF DRAIN
RNG	RANGE
SEC	SECTION
SET	SET "LB 7832"
SW	SIDEWALK
TWN	TOWNSHIP
ESMT	EASEMENT

BENCHMARK
BREAKLINE
CONCRETE MONUMENT FOUND
IRON ROD FOUND
NAIL & DISK FOUND
WETLAND FLAG
WOODEN POWER POLE
TELEPHONE PEDESTAL
MITERED END SECTION
WETLAND
BUILDING FOOTPRINT
CONCRETE
ASPHALT PAVEMENT
SUBJECT PROPERTY LINE
ADJACENT PROPERTY LINE
EASEMENT LINE
CENTERLINE
RIGHT-OF-WAY LINE
FEMA FLOOD LINE
WATER'S EDGE LINE
4' BARBED WIRE FENCE
GUARD RAIL

NORTH AMERICAN DATUM OF 1983
FLORIDA STATE PLANE, EAST ZONE

CONTOUR INTERVAL:
MAJOR: 5.00'
MINOR: 1.00'

0 50 100 200
GRAPHIC SCALE
1" = 100'

PROJECT KEYMAP
SCALE: NOT TO SCALE

SHEET LIST:

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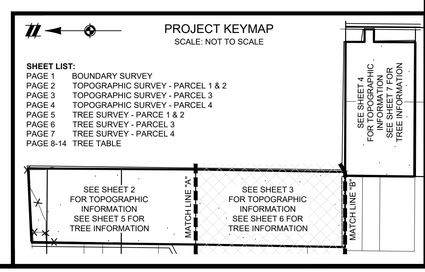
PAGE 8-14	TREE TABLE



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LOCATED IN:
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SECTION 34, TOWNSHIP 20 S, RANGE 25 E

PARCEL ID: 22125000200004800,34202500040001003,
34202500010000100, & 27202500040001200

REVELS ROAD

HOWEY IN THE HILLS, LAKE COUNTY, FLORIDA, 34737

MAP OF
BOUNDARY, TOPOGRAPHIC, WETLAND & TREE SURVEY

MISSION RISE

REV.	DRAFTER	REV. DATE	COMMENTS
1	KH	12/12/2024	ADDED TREE SURVEY
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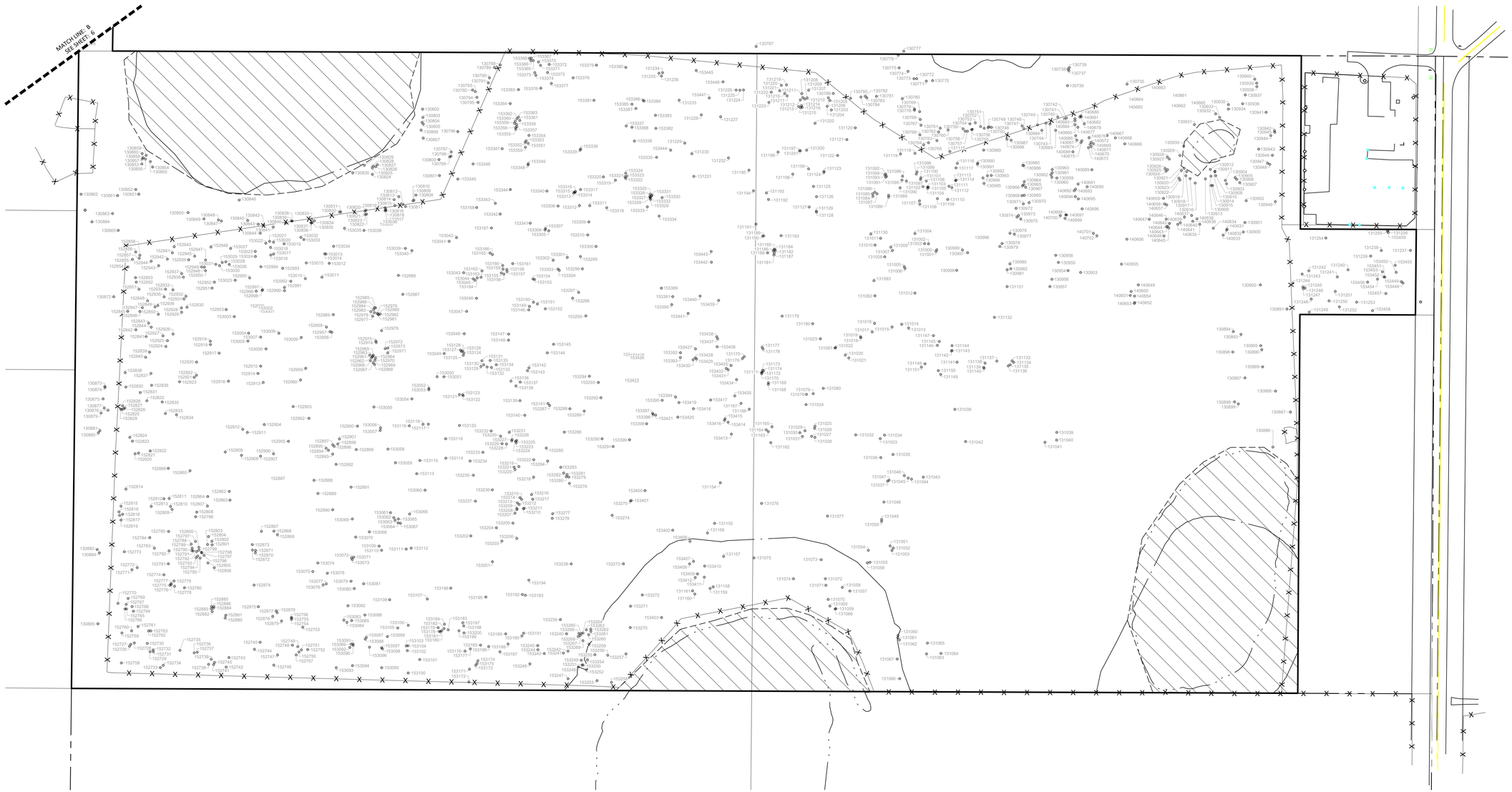
DWG. KH CH. DB
PM. NW
FIELD DATE: 01/20/2025
PLOT DATE: 01/24/2025
JOB 22005325
SHEET NO.
6 OF 14

MATCH LINE "B" SEE SHEET 3



NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
LOOKING IN THE EAST ZONE

CONTOUR INTERVAL:
MAJOR: 5.00'
MINOR: 1.00'

0 50 100 200
GRAPHIC SCALE
1" = 100'

SURVEYOR'S LEGEND

BM	BENCHMARK
CCR	CERTIFIED CORNER RECORD
CM	CONCRETE MONUMENT
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FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
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R/W	RIGHT-OF-WAY
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RNG	RANGE
SEC	SECTION
SET	SET "LB 7832"
SW	SIDEWALK
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WATER'S EDGE LINE
4' BARBED WIRE FENCE
GUARD RAIL

BENCHMARK
BREAKLINE
CONCRETE MONUMENT FOUND
IRON ROD FOUND
NAIL & DISK FOUND
WETLAND FLAG
WOODEN POWER POLE
TELEPHONE PEDESTAL
MITERED END SECTION
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BUILDING FOOTPRINT
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SUBJECT PROPERTY LINE
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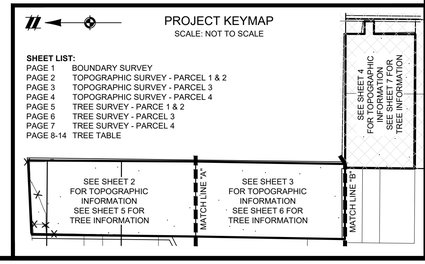

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PARCEL ID: 22125002000048003, 34202500040001003, 34202500010000100, & 27202500040000200

REVELS ROAD

HOWEY IN THE HILLS, LAKE COUNTY, FLORIDA, 34737

MAP OF
BOUNDARY, TOPOGRAPHIC, WETLAND & TREE SURVEY

MISSION RISE

REV	DRAFTER	REV. DATE	COMMENTS
1	KH	12/12/2024	ADDED TREE SURVEY
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DWG. KH CH. DB
PM. NW
FIELD DATE: 01/20/2025
PLOT DATE: 01/24/2025
JOB 22005325
SHEET NO.
7 OF 14

Tree Table			
Point #	Northing	Easting	Raw Description
130011	1590440.00	402969.10	TREE 24 OAK
130012	1590429.06	402946.20	TREE 10 OAK
130013	1590441.62	403018.15	TREE 40 OAK
130014	1590436.39	403033.34	TREE 24 OAK
130015	1590303.88	403053.81	TREE 28 OAK
130016	1590280.87	402989.72	TREE 30 OAK
130017	1590275.37	403098.41	TREE 8(1) 10(1) OAK
130018	1590276.32	403114.87	TREE 26 OAK
130019	1590299.94	403126.51	TREE 12 PALM
130020	1590296.66	403206.73	TREE 18 OAK
130021	1590275.40	403202.41	TREE 14 OAK
130022	1590349.96	403205.57	TREE 10 OAK
130023	1590348.60	403206.89	TREE 16 OAK
130024	1590347.05	403201.12	TREE 8 OAK
130025	1590341.43	403205.34	TREE 8 OAK
130026	1590330.38	403219.14	TREE 18 OAK
130027	1590334.48	403258.53	TREE 28 OAK
130028	1590376.81	403279.28	TREE 16 OAK
130029	1590440.13	403327.86	TREE 24 OAK
130030	1590442.69	403326.27	TREE 8 OAK
130031	1590533.36	403335.95	TREE 8 OAK
130032	1590539.69	403335.49	TREE 12 OAK
130033	1590531.54	403354.80	TREE 10 OAK
130034	1590500.96	403350.09	TREE 14 OAK
130035	1590492.04	403345.21	TREE 28 OAK
130036	1590511.46	403260.47	TREE 18 (3) OAK
130037	1590537.28	403221.99	TREE 22 OAK
130038	1590519.15	403221.40	TREE 36 OAK
130039	1590530.50	403184.36	TREE 24 OAK
130040	1590535.77	403134.03	TREE 28 OAK
130041	1590512.58	403132.38	TREE 8 OAK
130042	1590511.18	403130.71	TREE 22 OAK
130043	1590281.07	402989.64	TREE 24 OAK
130044	1590230.01	403116.54	TREE 26 OAK
130045	1590238.04	403143.65	TREE 20 OAK
130046	1590200.84	403138.31	TREE 14 OAK
130047	1590168.70	403179.10	TREE 14 OAK
130048	1590137.26	403158.97	TREE 22 OAK
130049	1590074.82	403272.52	TREE 19 OAK
130050	1590078.68	403280.01	TREE 25 OAK
130051	1590065.97	403287.68	TREE 20 OAK
130052	1590055.03	403312.33	TREE 30 OAK
130053	1590079.62	403347.73	TREE 10 OAK
130054	1590068.56	403347.30	TREE 10 OAK
130055	1590072.08	403351.71	TREE 8 OAK
130056	1590146.05	403359.64	TREE 8 OAK
130057	1590144.70	403355.96	TREE 10 OAK
130058	1590175.57	403369.76	TREE 24 OAK
130059	1590223.45	403363.51	TREE 12 OAK
130060	1590248.22	403353.45	TREE 11 OAK
130061	1590224.64	403326.46	TREE 8 OAK
130062	1590224.35	403325.88	TREE 8 OAK
130063	1590228.33	403322.45	TREE 8 (2) OAK
130064	1590206.26	403307.93	TREE 14 OAK
130065	1590199.92	403312.38	TREE 12(1) 16(1) 14(1) OAK
130066	1590205.25	403298.93	TREE 12 OAK
130067	1590182.19	403256.48	TREE 28 OAK
130068	1590051.86	403241.02	TREE 10 OAK
130069	1590033.62	403202.10	TREE 14 OAK
130070	1590012.47	403194.08	TREE 50 OAK
130071	1589959.46	403172.65	TREE 50 OAK
130072	1589976.17	403173.37	TREE 8 OAK
130073	1589103.44	402047.06	TREE 8 OAK
130076	1589083.48	402050.43	TREE 8 PINE
130077	1589063.09	402058.68	TREE 16 PINE
130078	1589031.76	402069.63	TREE 8 PINE
130079	1589037.31	402100.01	TREE 10 PINE
130080	1589060.53	402089.66	TREE 8 PINE
130081	1589078.16	402091.72	TREE 8 PINE
130082	1589126.16	402047.79	TREE 10 PINE
130083	1589108.21	402087.69	TREE 8 PINE
130084	1589109.35	402093.54	TREE 8 pine
130085	1589128.06	402093.75	TREE 8 PINE
130086	1589125.17	402086.37	TREE 8 PINE
130087	1589140.83	402081.10	TREE 10 PINE
130088	1589139.13	402066.67	TREE 12 PINE
130089	1589157.97	402092.57	TREE 8 PINE
130090	1589175.73	402114.78	TREE 8 PINE
130091	1589193.74	402093.60	TREE 8(2) OAK
130092	1589199.86	402096.74	TREE 16 OAK
130093	1589214.76	402090.00	TREE 8 OAK
130094	1589213.40	402074.95	TREE 8 OAK
130095	1589227.28	402068.84	TREE 10 OAK
130096	1589215.98	402058.19	TREE 10 OAK
130097	1589201.49	402040.69	TREE 10 PINE
130098	1589217.69	402034.32	TREE 10(2) OAK
130099	1589251.21	402061.96	TREE 8 OAK
130100	1589270.78	402057.83	TREE 10 OAK
130101	1589271.19	402059.27	TREE 8 OAK
130102	1589269.25	402068.48	TREE 8 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
130103	1589257.82	402075.38	TREE 10 OAK
130104	1589262.59	402093.77	TREE 8 OAK
130105	1589238.94	402096.99	TREE 8 OAK
130106	1589256.68	402104.36	TREE 10 OAK
130107	1589252.61	402113.04	TREE 8 OAK
130108	1589265.78	402121.88	TREE 8 OAK
130109	1589277.93	402122.14	TREE 8 OAK
130110	1589278.10	402126.81	TREE 8(2) OAK
130111	1589274.20	402144.44	TREE 10 PINE
130112	1589276.53	402146.28	TREE 8 OAK
130113	1589262.32	402156.01	TREE 9 PINE
130114	1589283.55	402186.48	TREE 8 OAK
130115	1589266.44	402196.77	TREE 9 OAK
130116	1589275.76	402214.14	TREE 8 OAK
130117	1589238.99	402202.71	TREE 9 PINE
130118	1589237.13	402195.52	TREE 12 PINE
130119	1589234.54	402191.83	TREE 8 PINE
130120	1589258.06	402173.70	TREE 8 PINE
130121	1589213.30	402168.85	TREE 8 PINE
130122	1589216.22	402172.10	TREE 10 PINE
130123	1589202.61	402183.56	TREE 11 PINE
130124	1589199.30	402176.11	TREE 8 PINE
130125	1589186.90	402177.47	TREE 8 PINE
130126	1589191.60	402161.10	TREE 13 PINE
130127	1589192.98	402139.96	TREE 8 PINE
130128	1589185.67	402141.47	TREE 9 PINE
130129	1589190.35	402132.85	TREE 8 PINE
130130	1589187.57	402121.23	TREE 11 PINE
130131	1589937.45	402099.06	TREE 12 OAK
130132	1589887.70	402167.44	TREE 13 OAK
130133	1589930.34	402253.67	TREE 42 OAK
130134	1589756.03	402496.38	TREE 8 OAK
130135	1589760.16	402492.87	TREE 10(2) OAK
130136	1589780.43	402563.85	TREE 44 OAK
130137	1589776.59	402571.06	TREE 18 OAK
130138	1589813.20	402606.55	TREE 28(2) 16(1) OAK
130139	1589692.58	402517.01	TREE 30 OAK
130140	1589608.01	402502.93	TREE 28 OAK
130141	1589604.26	402497.89	TREE 16 OAK
130142	1589642.16	402378.25	TREE 32 OAK
130143	1589661.69	402421.06	TREE 26 OAK
130144	1589661.80	402425.20	TREE 18 OAK
130145	1589676.99	402252.24	TREE 28 OAK
130146	1589711.50	402203.39	TREE 14 OAK
130147	1589714.99	402200.64	TREE 8 OAK
130148	1589715.99	402191.77	TREE 8 OAK
130149	1589699.11	402187.88	TREE 8 OAK
130150	1589690.42	402181.71	TREE 10 OAK
130151	1589688.35	402162.79	TREE 11 OAK
130152	1589715.94	402173.38	TREE 9 OAK
130153	1589743.46	402153.00	TREE 30 OAK
130154	1589629.78	402128.32	TREE 33 OAK
130155	1589544.05	402071.02	TREE 8 OAK
130156	1589506.46	402180.62	TREE 30 OAK
130157	1589477.00	402250.76	TREE 8 OAK
130158	1589473.89	402264.49	TREE 8 OAK
130159	1589430.83	402275.09	TREE 8 OAK
130160	1589417.07	402281.47	TREE 8 OAK
130161	1589400.32	402260.27	TREE 8 OAK
130162	1589431.77	402196.75	TREE 26 OAK
130163	1589417.78	402202.58	TREE 12 OAK
130164	1589396.36	402208.83	TREE 13 OAK
130165	1589360.33	402198.56	TREE 14 OAK
130166	1589337.76	402186.45	TREE 14 OAK
130167	1589342.24	402178.33	TREE 12 OAK
130168	1589333.57	402159.38	TREE 9 OAK
130169	1589332.84	402155.61	TREE 10 OAK
130170	1589325.90	402155.72	TREE 10 OAK
130171	1589325.74	402131.47	TREE 12 OAK
130172	1589328.66	402128.96	TREE 12 OAK
130173	1589322.16	402115.82	TREE 36 OAK
130174	1589351.09	402145.83	TREE 9 OAK
130175	1589369.94	402152.28	TREE 8 OAK
130179	1589512.80	402060.46	TREE 8(2) OAK
130180	1589464.30	402096.86	TREE 8 OAK
130181	1589468.01	402162.98	TREE 18(2) OAK
130182	1589369.67	402232.64	TREE 12 OAK
130183	1589349.47	402248.64	TREE 18 OAK
130184	1589327.59	402237.82	TREE 9 OAK
130185	1589359.49	402251.78	TREE 8 OAK
130186	1589368.38	402264.06	TREE 9 OAK
130187	1589351.12	402277.88	TREE 8(2) 10(1) OAK
130188	1589347.08	402299.55	TREE 18 OAK
130189	1589390.65	402336.55	TREE 20 OAK
130190	1589389.79	402337.20	TREE 26 OAK
130191	1589391.99	402366.34	TREE 24 OAK DILLAPADED
130192	1589396.59	402367.03	TREE 8 OAK
130193	1589346.20	402373.95	TREE 12 OAK
130194	1589346.84	402372.36	TREE 8 OAK
130195	1589349.30	402373.35	TREE 20 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
130196	1589323.24	402384.99	TREE 18 OAK
130197	1589328.12	402423.69	TREE 14 OAK
130198	1589321.86	402455.85	TREE 12 OAK
130199	1589342.65	402487.41	TREE 24 OAK
130200	1589350.30	402491.07	TREE 10 OAK
130201	1589394.92	402436.22	TREE 18 OAK
130202	1589398.48	402438.91	TREE 9(1) 16(2) OAK
130203	1589406.47	402476.13	TREE 8 OAK
130204	1589422.07	402479.35	TREE 9 OAK
130205	1589420.80	402477.96	TREE 8 OAK
130206	1589415.10	402513.87	TREE 38 OAK
130207	1589381.85	402517.37	TREE 14 OAK
130208	1589422.67	402535.50	TREE 8 OAK
130209	1589425.04	402554.48	TREE 8 OAK
130210	1589456.54	402559.97	TREE 8 OAK
130211	1589469.57	402605.28	TREE 29 OAK
130212	1589498.04	402583.82	TREE 6(2) 8(3) 10(1) OAK
130213	1589486.81	402545.72	TREE 18 OAK
130214	1589485.79	402546.61	TREE 8 OAK
130215	1589485.78	402530.29	TREE 12 OAK
130216	1589516.02	402549.66	TREE 8 OAK
130217	1586580.30	403378.35	TREE 12 OAK
130218	1586576.16	403385.08	TREE 10 OAK
130219	1586685.46	403333.55	TREE 8(2) OAK
130220	1586692.85	403326.00	TREE 10 OAK
130221	1586614.00	403278.06	TREE 8 OAK
130222	1586566.02	403302.88	TREE 24 OAK
130223	1586512.38	403270.83	TREE 14 OAK
130224	1586506.40	403251.10	TREE 10 OAK
130225	1586508.53	403252.15	TREE 12 OAK
130226	1586503.49	403246.50	TREE 26 OAK
130227	1586481.42	403258.96	TREE 8 OAK
130228	1586473.68	403255.24	TREE 13 OAK
130229	1586477.70	403233.77	TREE 10 OAK
130230	1586488.67	403211.29	TREE 12 OAK
130231	1586480.84	403208.72	TREE 12 OAK
130232	1586485.41	403199.96	TREE 9 OAK
130233	1586536.49	403206.34	TREE 20 OAK
130234	1586536.40	403202.09	TREE 26 OAK
130235	1586532.74	403152.71	TREE 12(2) OAK
130236	1586541.83	403104.04	TREE 16 OAK
130237	1586551.25	403107.08	TREE 12 OAK
130238	1586536.16	403097.24	TREE 10 OAK
130239	1586537.76	403097.30	TREE 8 OAK
130240	1586578.60	403076.06	TREE 12 OAK
130241	1586582.13	403053.49	TREE 8 OAK
130242	1586571.37	403041.43	TREE 8 OAK
130243	1586582.22	403041.75	TREE 8 OAK
130244	1586572.96	403005.82	TREE 12 OAK
130245	1586564.91	402989.17	TREE 6(1) 8(1) 10(3) OAK
130246	1586567.67	402988.98	TREE 8 OAK
130247	1586549.34	402960.63	TREE 10 OAK
130248	1586548.24	402961.90	TREE 8 OAK DILLAPADED
130249	1586529.37	402942.38	TREE 14 OAK
130250	1586532.19	402931.13	TREE 9 OAK
130251	1586515.14	402950.53	TREE 8 OAK
130252	1586512.51	402963.77	TREE 8 OAK
130253	1586478.40	402966.00	TREE 20(2) OAK
130254	1586617.87	402931.83	TREE 8 OAK
130255	1586619.54	402906.12	TREE 22 OAK
130256	1586612.18	402906.12	TREE 12 OAK
130258	1586633.67	403039.02	TREE 9 OAK
130262	1586636.95	403310.29	TREE 8 OAK
130263	1586632.92	403259.52	TREE 8(3) OAK
130264	1586659.77	403169.58	TREE 8(1) 10(2) OAK
130265	1586669.24	403159.80	TREE 8 OAK
130266	1586672.51	403156.93	TREE 24 OAK
130267	1586668.54	403128.14	TREE 8 OAK
130268	1586682.91	403091.84	TREE 8(2) OAK
130269	1586694.80	403106.28	TREE 8(3) OAK
130270	1586712.04	403102.73	TREE 8(1) 10(3) OAK
130271	1586708.07	403101.10	TREE 8 OAK
130272	1586701.20	403091.74	TREE 8 OAK
130273	1586668.98	403072.38	TREE 14 OAK
130274	1586640.84	403062.66	TREE 8 OAK
130275	1586639.41	403061.59	TREE 8(3) OAK
130276	1586642.94	403060.31	TREE 8 OAK
130277	1586666.38	403040.95	TREE 12 OAK
130278	1586666.87	403041.46	TREE 8(2) OAK
130279	1586671.07	403039.46	TREE 8(2) OAK
130280	1586670.97	403036.14	TREE 24 OAK
130281	1586667.28	403008.08	TREE 8 OAK
130282	1586667.45	402993.37	TREE 10 OAK
130283	1586690.11	402931.64	TREE 9 OAK
130284	1586710.79	402924.01	TREE 8 OAK
130285	1586719.05	402918.23	TREE 8 OAK
130286	1586714.35	402893.78	TREE 18 OAK
130287	1586721.13	402892.29	TREE 16 OAK
130288	1586717.52	402887.35	TREE 10(1) 12(2) OAK
130289	1586711.16	402860.89	TREE 14 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
130290	1586712.70	402838.96	TREE 14 OAK
130291	1586726.91	402814.76	TREE 22 OAK
130292	1586692.80	402774.75	TREE 12 OAK
130293	1586698.04	402768.93	TREE 26 OAK
130294	1586684.48	402759.77	TREE 24 OAK
130295	1586638.24	402726.69	TREE 18 OAK
130296	1586645.41	402708.72	TREE 10 OAK
130297	1586637.66	402695.48	TREE 9 OAK
130298	1586596.19	402668.11	TREE 22 OAK
130299	1586591.82	402677.25	TREE 13 OAK
130300	1586578.86	402654.09	TREE 12 OAK
130301	1586564.26	402627.20	TREE 10 OAK
130302	1586567.49	402605.84	TREE 20 OAK
130303	1586570.00	402556.43	TREE 8 OAK
130304	1586569.39	402548.94	TREE 14 OAK
130305	1586566.91	402537.92	TREE 12 OAK
130306	1586572.62	402529.69	TREE 16 OAK
130307	1586581.72	402511.23	TREE 10 OAK
130308	1586590.05	402515.85	TREE 14 OAK
130309	1586596.67	402499.46	TREE 20 OAK
130310	1586589.32	402496.81	TREE 12 OAK
130311	1586585.02	402496.19	TREE 12 OAK
130312	1586576.67	402486.79	TREE 12 OAK
130313	1586592.53	402478.85	TREE 12 OAK
130314	1586614.59	402462.30	TREE 14 OAK
130315	1586623.88	402461.32	TREE 12 OAK
130316	1586638.15	402436.21	TREE 12 OAK
130317	1586640.22	402430.45	TREE 26 OAK
130318	1586642.54	402452.15	TREE 8 OAK
130319	1586607.67	402424.11	TREE 12 OAK
130320	1586628.80	402381.87	TREE 30 OAK
130321	1586620.96	402375.40	TREE 8 OAK
130322	1586611.00	402348.61	TREE 8(3) OAK
130323	1586619.22	402332.70	TREE 10 OAK
130324	1586615.58	402332.82	TREE 8 OAK
130325	1586612.68	402335.03	TREE 8 OAK
130326	1586617.43	402295.70	TREE 16 OAK
130327	1586601.86	402285.21	TREE 12(2) OAK
130328	1586599.37	402272.32	TREE 16 OAK
130329	1586583.44	402248.22	TREE 20 OAK
130330	1586572.65	402219.60	TREE 14 OAK
130331	1586559.59	402194.73	TREE 8 OAK
130332	1586549.22	402190.14	TREE 10 OAK
130333	1586532.36	402178.06	TREE 8 OAK
130334	1586529.85	402193.13	TREE 8 OAK
130335	1586526.50	402195.42	TREE 8 OAK
130336	1586523.42	402195.51	TREE 14 OAK
130337	1586502.60	402213.94	TREE 16 OAK
130338	1586498.34	402206.38	TREE 12 OAK
130339	1586493.40	402211.99	TREE 30 OAK
130340	1586482.79	402209.31	TREE 12 OAK
130341	1586480.29	402242.29	TREE 8 OAK
130342	1586481.99	402244.12	TREE 8(2) OAK
130343	1586500.47	402241.52	TREE 14 OAK
130344	1586492.07	402256.76	TREE 16 OAK
130345	1586488.86	402266.97	TREE 20 OAK
130346	1586502.84	402276.55	TREE 18 OAK
130347	1586521.28	402278.55	TREE 14 OAK
130348	1586521.72	402293.49	TREE 16 OAK
130349	1586530.63	402287.08	TREE 14 OAK
130350	1586536.69	402283.18	TREE 30 OAK
130351	1586549.84	402261.12	TREE 14 OAK
130352	1586544.62	402256.69	TREE 12 OAK
130353	1586546.21	402250.89	TREE 8 OAK
130354	1586543.18	402241.20	TREE 17 OAK
130355	1586549.15	402299.85	TREE 9 OAK
130356	1586566.35	402305.30	TREE 9 OAK
130357	1586570.77	402287.32	TREE 24 OAK
130358	1586575.51	402287.84	TREE 20 OAK
130359	1586522.17	402345.51	TREE 18 OAK
130360	1586495.52	402347.81	TREE 25 OAK
130361	1586491.93	402370.28	TREE 18 OAK
130362	1586514.49	402367.12	TREE 16 OAK
130363	1586517.05	402374.97	TREE 24 OAK
130364	1586520.54	402398.13	TREE 8 OAK
130365	1586513.54	402402.27	TREE 8 OAK
130366	1586512.56	402404.17	TREE 14 OAK
130367	1586498.44	402391.86	TREE 12 OAK
130368	1586542.67	402407.62	TREE 16 OAK
130369	1586549.61	402379.33	TREE 24 OAK
130370	1586501.53	402419.08	TREE 14 OAK
130371	1586495.14	402406.08	TREE 14 OAK
130372	1586490.53	402446.98	TREE 8 OAK
130373	1586488.15	402456.30	TREE 8 OAK
130374	1586493.38	402459.58	TREE 8 OAK
130375	1586491.42	402468.40	TREE 8 OAK
130376	1586493.89	402470.88	TREE 12 OAK
130377	1586485.33	402472.30	TREE 10 OAK
130378	1586513.14	402471.37	TREE 8 OAK
130379	1586516.19	402455.49	TREE 8 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
130380	1586530.08	402448.97	TREE 10 OAK
130381	1586529.82	402471.53	TREE 22 OAK
130382	1586537.22	402484.37	TREE 11 OAK
130383	1586543.54	402491.18	TREE 18 OAK
130384	1586545.30	402504.09	TREE 8 OAK
130385	1586541.93	402507.35	TREE 8 OAK
130386	1586523.01	402495.90	TREE 8 OAK
130387	1586510.22	402500.70	TREE 16 OAK
130388	1586497.97	402526.33	TREE 9 OAK
130389	1586517.70	402534.69	TREE 18 OAK
130390	1586529.38	402530.15	TREE 22 OAK
130391	1586504.84	402555.96	TREE 8 OAK
130392	1586499.23	402559.40	TREE 10 OAK
130393	1586493.37	402560.85	TREE 14 OAK
130394	1586525.45	402575.07	TREE 8 OAK
130395	1586530.98	402575.48	TREE 10 OAK
130396	1586509.65	402597.30	TREE 10 OAK
130397	1586507.89	402600.64	TREE 14 OAK
130398	1586511.95	402612.45	TREE 10 OAK
130399	1586498.32	402617.74	TREE 10 OAK
130400	1586498.93	402618.83	TREE 8 OAK
130401	1586503.76	402620.30	TREE 8 OAK
130402	1586502.11	402620.49	TREE 9 OAK
130403	1586490.28	402650.64	TREE 8 OAK
130404	1586493.30	402654.80	TREE 8 OAK
130405	1586493.84	402649.12	TREE 8 OAK
130406	1586486.82	402653.36	TREE 8 OAK
130407	1586495.71	402658.00	TREE 8(3) OAK
130408	1586493.70	402660.53	TREE 8 OAK
130409	1586499.72	402660.92	TREE 8 OAK
130410	1586516.75	402657.93	TREE 20 OAK
130411	1586518.20	402653.55	TREE 8 OAK
130412	1586518.82	402679.58	TREE 10 OAK
130413	1586546.19	402731.50	TREE 10 OAK
130414	1586540.63	402755.34	TREE 10 OAK
130415	1586571.39	402740.81	TREE 25 OAK
130416	1586579.90	402745.65	TREE 10 OAK
130417	1586574.45	402779.99	TREE 8 OAK
130418	1586613.50	402781.64	TREE 11 OAK
130419	1586616.42	402807.19	TREE 26 OAK
130420	1586591.63	402819.58	TREE 24 OAK
130421	1586514.69	402857.61	TREE 18 PALM
130422	1586500.61	402829.13	TREE 10 OAK
130423	1586496.79	402821.40	TREE 22 OAK
130424	1586470.09	402871.62	TREE 8 OAK
130425	1586477.00	402864.38	TREE 20 OAK
130426	1586477.04	402862.32	TREE 12(2) OAK
130427	1586481.59	402862.03	TREE 10 OAK
130428	1586488.72	402924.20	TREE 8 OAK
130432	1586739.71	403306.17	TREE 12(2) OAK
130433	1586740.72	403325.50	TREE 8 OAK
130434	1586768.94	403325.83	TREE 8(1) 12(2) OAK
130435	1586789.49	403353.34	TREE 8 OAK
130436	1586806.81	403353.56	TREE 12 OAK
130437	1586804.76	403358.90	TREE 10 OAK
130438	1586822.49	403347.89	TREE 8 OAK
130439	1586767.95	403279.22	TREE 9 OAK
130440	1586790.20	403276.49	TREE 12 OAK
130441	1586772.45	403263.37	TREE 8(2) OAK
130442	1586790.63	403264.11	TREE 8 OAK
130443	1586812.14	403257.86	TREE 8(3) OAK
130444	1586804.85	403208.72	TREE 10 OAK
130445	1586804.20	403207.66	TREE 24 OAK
130446	1586794.44	403189.02	TREE 24 OAK
130447	1586793.71	403185.88	TREE 24 OAK
130448	1586770.05	403160.45	TREE 10 OAK
130449	1586752.98	403178.14	TREE 8 OAK
130450	1586763.42	403202.46	TREE 10 OAK
130451	1586769.03	403159.64	TREE 10 OAK
130452	1586765.36	403153.90	TREE 8 OAK
130453	1586742.67	403157.66	TREE 8 OAK
130454	1586727.30	403129.52	TREE 10 OAK
130455	1586716.94	403153.35	TREE 9 OAK
130456	1586726.18	403130.03	TREE 8 OAK
130457	1586749.77	403112.84	TREE 8 OAK
130458	1586739.11	403082.13	TREE 10 OAK
130459	1586741.63	403082.87	TREE 10 OAK
130460	1586768.72	403083.13	TREE 10(3) OAK
130461	1586737.69	403036.94	TREE 12 OAK
130462	1586733.16	403039.60	TREE 10 OAK
130463	1586761.59	402984.11	TREE 10 OAK
130464	1586767.37	402956.46	TREE 16 OAK
130465	1586762.03	402941.86	TREE 8 OAK
130466	1586763.68	402931.34	TREE 16 OAK
130467	1586766.32	402932.22	TREE 8 OAK
130468	1586792.49	402925.74	TREE 12 OAK
130469	1586815.80	402939.91	TREE 8 OAK
130470	1586819.49	402932.47	TREE 10 OAK
130471	1586827.13	402951.25	TREE 8 OAK
130472	1586819.34	402954.27	TREE 8 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
130473	1586832.84	402957.75	TREE 12 OAK
130474	1586840.83	402957.42	TREE 10 OAK
130475	1586812.51	403002.68	TREE 10 OAK
130476	1586815.61	403008.99	TREE 13 OAK
130477	1586820.77	402986.12	TREE 14 OAK
130478	1586822.98	403007.97	TREE 8 OAK
130479	1586810.26	403030.24	TREE 8 OAK
130480	1586811.58	403043.15	TREE 8 OAK
130481	1586789.67	403070.34	TREE 8(2) OAK
130482	1586800.95	403075.64	TREE 8(2) OAK
130483	1586824.83	403080.45	TREE 8 OAK
130484	1586834.24	403083.16	TREE 10 OAK
130485	1586853.32	403081.46	TREE 14 OAK
130486	1586873.49	403081.52	TREE 20 OAK
130487	1586875.43	403080.62	TREE 8 OAK
130488	1586889.19	403134.10	TREE 12 OAK
130489	1586891.44	403128.60	TREE 12(2) OAK
130490	1586897.47	403132.67	TREE 12 OAK
130491	1586904.76	403144.75	TREE 10(4) OAK
130492	1586940.08	403159.84	TREE 12 OAK
130493	1586952.50	403168.50	TREE 8 OAK
130494	1586960.87	403156.48	TREE 10 OAK
130495	1586966.60	403130.45	TREE 16 OAK
130496	1586963.22	403126.81	TREE 12 OAK
130497	1586941.56	403179.54	TREE 14 OAK
130498	1586940.85	403207.86	TREE 10 OAK
130499	1586936.49	403204.07	TREE 10 OAK
130500	1586940.61	403210.02	TREE 10 OAK
130501	1586938.10	403211.55	TREE 8 OAK
130502	1586912.36	403229.79	TREE 12 OAK
130503	1586890.40	403225.98	TREE 12 OAK
130504	1586884.68	403246.31	TREE 8 OAK
130505	1586880.94	403253.10	TREE 8 OAK
130506	1586884.47	403258.94	TREE 12 OAK
130507	1586895.78	403253.19	TREE 8 OAK
130508	1586905.52	403259.89	TREE 8 OAK
130509

Tree Table

Point #	Northing	Easting	Raw Description
130750	1586322.00	405057.74	TREE 12 OAK
130751	1586320.62	405050.10	TREE 20 OAK
130752	1586323.98	405043.02	TREE 12 OAK
130753	1586331.32	405032.76	TREE 26 OAK
130754	1586329.36	405022.25	TREE 12 OAK
130755	1586318.00	405025.63	TREE 24 OAK
130756	1586318.47	405026.87	TREE 8 OAK
130757	1586314.80	405017.35	TREE 16 OAK
130758	1586314.92	405012.94	TREE 12 OAK
130759	1586319.58	405008.81	TREE 12 OAK
130760	1586317.30	404979.53	TREE 30 OAK
130761	1586320.66	404964.28	TREE 10 OAK
130762	1586313.46	404960.95	TREE 14 OAK
130763	1586296.55	404957.82	TREE 16 OAK
130764	1586292.34	404941.32	TREE 12 PALM
130765	1586288.35	404931.83	TREE 12 OAK
130766	1586307.79	404924.46	TREE 16 PINE
130767	1586326.59	404926.71	TREE 9 OAK
130768	1586337.79	404925.15	TREE 9 OAK
130769	1586353.03	404923.99	TREE 20 OAK
130770	1586413.73	404949.33	TREE 34 OAK
130771	1586412.77	404937.05	TREE 18 OAK
130772	1586417.42	404918.28	TREE 8 OAK
130773	1586417.50	404912.99	TREE 12 OAK
130774	1586431.88	404901.34	TREE 8 OAK
130775	1586438.72	404883.93	TREE 14 OAK
130776	1586463.44	404882.29	TREE 50 OAK
130777	1586471.11	404893.04	TREE 10 OAK
130778	1586355.97	404914.06	TREE 14 OAK
130779	1586358.36	404913.82	TREE 14 OAK
130780	1586378.49	404890.20	TREE 20 OAK
130781	1586383.03	404839.66	TREE 8(2) OAK
130782	1586383.22	404817.72	TREE 60 OAK
130783	1586380.14	404820.92	TREE 10 OAK
130784	1586381.70	404809.33	TREE 8 OAK
130785	1586379.12	404789.15	TREE 12 OAK
130786	1586388.67	404755.43	TREE 10 OAK
130787	1586480.42	404604.66	TREE 48 OAK
130788	1586444.21	404104.96	TREE 8 OAK
130789	1586439.47	404093.72	TREE 12 OAK
130790	1586419.17	404083.81	TREE 14 OAK DECAYED
130791	1586409.33	404081.64	TREE 18 OAK
130792	1586395.42	404051.02	TREE 20 OAK
130793	1586392.36	404056.14	TREE 8 OAK
130794	1586381.06	404059.36	TREE 26 OAK
130795	1586371.14	404061.60	TREE 14 OAK
130796	1586314.06	404022.04	TREE 20 OAK
130797	1586274.33	404009.15	TREE 12(2) OAK
130798	1586265.98	404008.81	TREE 8 OAK
130799	1586264.69	404006.11	TREE 8 OAK
130800	1586259.47	403985.37	TREE 8(3) OAK
130801	1586228.21	403986.28	TREE 20 OAK
130802	1586358.00	403953.28	TREE 8 OAK
130803	1586341.74	403953.88	TREE 12 OAK
130804	1586332.03	403952.38	TREE 12 OAK
130805	1586328.75	403954.70	TREE 8 OAK
130806	1586317.07	403950.37	TREE 10 OAK
130807	1586301.46	403954.56	TREE 14 OAK DECAYED
130808	1586190.06	403940.14	TREE 12 OAK
130809	1586180.28	403936.31	TREE 14 OAK
130810	1586178.88	403934.66	TREE 8 OAK
130811	1586167.75	403919.92	TREE 12(1) 18(1) OAK
130812	1586172.05	403915.00	TREE 8 OAK
130813	1586186.97	403906.85	TREE 8 OAK
130814	1586181.13	403897.71	TREE 12 OAK
130815	1586169.77	403899.16	TREE 10 OAK
130816	1586162.34	403881.60	TREE 8 OAK DECAYING
130817	1586159.87	403879.91	TREE 12 OAK
130818	1586159.71	403881.47	TREE 8 OAK
130819	1586165.27	403880.07	TREE 8 OAK
130820	1586160.60	403842.71	TREE 8 OAK
130821	1586158.42	403840.76	TREE 8 OAK
130822	1586152.89	403843.93	TREE 8 OAK
130823	1586151.81	403841.32	TREE 8(2) OAK
130824	1586230.67	403855.20	TREE 24 OAK
130825	1586243.18	403855.10	TREE 25 OAK
130826	1586245.46	403861.75	TREE 8 OAK
130827	1586249.30	403864.87	TREE 10 OAK
130828	1586246.62	403856.74	TREE 8 OAK
130829	1586248.26	403839.53	TREE 22 OAK
130830	1586233.50	403816.91	TREE 10 OAK
130831	1586157.33	403793.45	TREE 22 OAK
130832	1586156.81	403791.09	TREE 18 OAK
130833	1586142.75	403736.46	TREE 26 OAK
130834	1586139.96	403742.00	TREE 8 OAK
130835	1586136.85	403738.06	TREE 8(3) OAK
130836	1586135.13	403735.99	TREE 8 OAK
130837	1586136.19	403735.23	TREE 8 OAK
130838	1586139.50	403698.49	TREE 16 OAK
130839	1586139.61	403697.35	TREE 8 OAK

Tree Table

Point #	Northing	Easting	Raw Description
130840	1586135.39	403686.13	TREE 26 OAK
130841	1586127.54	403661.56	TREE 14 OAK
130842	1586131.35	403642.76	TREE 8 OAK
130843	1586133.14	403632.23	TREE 36 OAK
130844	1586115.69	403636.24	TREE 22 OAK
130845	1586140.68	403611.65	TREE 18 OAK
130846	1586180.43	403595.19	TREE 24 OAK
130847	1586139.51	403560.33	TREE 8 OAK
130848	1586141.50	403554.72	TREE 12 OAK
130849	1586143.53	403526.33	TREE 26 OAK
130850	1586155.78	403495.30	TREE 30 OAK
130851	1586191.85	403399.06	TREE 8 OAK
130852	1586200.99	403393.09	TREE 30 OAK
130853	1586250.91	403404.99	TREE 12 OAK
130854	1586245.02	403425.99	TREE 8 OAK
130855	1586255.48	403421.69	TREE 26 OAK
130856	1586260.47	403411.89	TREE 8 OAK
130857	1586260.78	403405.69	TREE 12 OAK
130858	1586263.13	403407.59	TREE 23 OAK
130859	1586267.72	403413.49	TREE 8 OAK
130860	1586271.15	403405.68	TREE 16 OAK
130861	1586189.12	403357.59	TREE 18 OAK
130862	1586191.70	403286.36	TREE 24 OAK
130863	1586154.00	403347.83	TREE 26 OAK
130864	1586137.77	403307.46	TREE 8 OAK
130865	1586121.12	403358.88	TREE 10 OAK
130872	1585991.47	403350.18	TREE 26 OAK
130873	1585816.31	403332.69	TREE 8 OAK
130874	1585814.09	403332.99	TREE 10 OAK
130875	1585791.95	403329.40	TREE 8(2) OAK
130876	1585769.75	403338.92	TREE 8 OAK
130877	1585773.98	403331.58	TREE 10 OAK
130879	1585764.26	403325.34	TREE 8(3) OAK
130880	1585725.66	403320.10	TREE 14 OAK
130881	1585729.77	403323.04	TREE 12 OAK
130882	1585497.65	403317.78	TREE 10 OAK
130884	1585491.18	403321.97	TREE 16 OAK
130885	1585352.54	403319.24	TREE 24 OAK
130886	1585697.75	405613.89	TREE 16 OAK
130887	1585766.21	405648.26	TREE 25 OAK
130888	1585807.18	405619.13	TREE 8 OAK
130889	1585854.51	405593.83	TREE 10 OAK
130890	1585888.12	405592.21	TREE 10 OAK
130891	1585967.48	405641.45	TREE 10 OAK
130892	1586014.63	405589.49	TREE 12 OAK
130893	1585917.89	405551.60	TREE 14 PINE
130894	1585923.41	405536.57	TREE 8 OAK
130895	1585895.82	405590.17	TREE 18 OAK
130896	1585883.46	405535.70	TREE 14 OAK
130897	1585832.98	405559.44	TREE 8 OAK
130898	1585786.07	405539.03	TREE 8 OAK
130899	1585782.12	405546.34	TREE 10 OAK
130900	1586117.90	405555.96	TREE 8 OAK
130901	1586136.49	405559.24	TREE 16 PINE
130902	1586179.13	405561.76	TREE 26 OAK
130903	1586212.24	405523.42	TREE 24 PALM
130904	1586218.62	405521.11	TREE 18 OAK
130905	1586224.11	405540.10	TREE 24 PALM
130906	1586220.95	405543.19	TREE 24 PALM
130907	1586214.38	405549.22	TREE 20 OAK
130908	1586228.05	405502.18	TREE 8 OAK
130909	1586226.93	405492.88	TREE 16(2) OAK
130910	1586236.40	405500.79	TREE 8 OAL
130911	1586235.78	405500.56	TREE 8 OAK
130912	1586240.27	405491.70	TREE 12 OAK
130913	1586221.77	405482.08	TREE 18 OAK
130914	1586208.88	405496.23	TREE 9 OAK
130915	1586208.73	405493.22	TREE 16 OAK
130916	1586213.61	405462.19	TREE 8 OAK
130917	1586222.25	405452.21	TREE 8 OAK
130918	1586228.00	405443.83	TREE 24 OAK
130919	1586235.91	405445.54	TREE 10 OAK
130920	1586237.92	405435.16	TREE 26 OAK
130921	1586242.27	405440.75	TREE 24 OAK
130922	1586219.60	405432.38	TREE 8 OAK
130923	1586223.24	405430.37	TREE 10 OAK
130924	1586236.59	405405.20	TREE 8 OAK
130925	1586239.76	405408.20	TREE 12 OAK
130926	1586242.02	405403.35	TREE 8 OAK
130927	1586260.52	405411.61	TREE 22 OAK
130928	1586264.53	405407.83	TREE 16 OAK
130929	1586267.44	405432.29	TREE 14 OAK
130930	1586285.62	405439.78	TREE 10 OAK
130931	1586327.77	405460.73	TREE 18 OAK
130932	1586348.77	405502.18	TREE 8 OAK
130933	1586341.84	405509.93	TREE 8 OAK
130934	1586358.13	405526.93	TREE 22 OAK
130935	1586366.78	405526.94	TREE 24 OAK
130936	1586368.44	405554.80	TREE 10 OAK
130937	1586385.80	405560.01	TREE 12 OAK

Tree Table

Point #	Northing	Easting	Raw Description
130938	1586402.10	405582.58	TREE 8 OAK
130939	1586408.77	405582.31	TREE 8 OAK
130940	1586416.60	405578.39	TREE 10 OAK
130941	1586351.82	405600.68	TREE 20 OAK
130942	1586315.98	405617.02	TREE 22 OAK
130943	1586279.83	405586.16	TREE 20 OAK
130944	1586306.45	405609.83	TREE 8 OAK
130945	1586312.70	405617.67	TREE 24 OAK
130946	1586267.82	405613.04	TREE 10 OAK
130947	1586252.42	405603.45	TREE 18 OAK
130948	1586250.16	405607.78	TREE 16 OAK
130949	1586177.35	405618.65	TREE 20 OAK
130953	1586038.97	405238.34	TREE 15 PALM
130954	1586042.47	405213.92	TREE 20 OAK
130955	1586058.56	405194.97	TREE 18 OAK
130956	1586025.62	405182.32	TREE 16 OAK
130957	1586011.38	405178.42	TREE 24 OAK
130958	1586072.44	405189.78	TREE 18 OAK
130959	1586223.39	405191.90	TREE 10 OAK
130960	1586224.92	405182.16	TREE 8 OAK
130961	1586233.92	405182.86	TREE 12 OAK
130962	1586229.90	405180.53	TREE 8 OAK
130963	1586239.94	405182.94	TREE 8(2) OAK
130964	1586216.13	405128.32	TREE 8 OAK
130965	1586210.29	405127.21	TREE 24 OAK
130966	1586208.22	405124.75	TREE 28 OAK
130967	1586205.59	405130.94	TREE 26 OAK
130968	1586189.04	405123.91	TREE 8 OAK
130969	1586189.70	405128.41	TREE 8 OAK
130970	1586175.20	405137.78	TREE 12 OAK
130971	1586172.88	405126.53	TREE 8 OAK
130972	1586164.22	405112.26	TREE 8 OAK
130973	1586149.93	405116.90	TREE 12 OAK
130974	1586147.12	405114.24	TREE 10 OAK
130975	1586143.45	405121.59	TREE 8 OAK
130976	1586115.42	405100.51	TREE 28 OAK
130977	1586113.82	405108.95	TREE 8 OAK
130978	1586095.32	405084.91	TREE 14 OAK
130979	1586089.68	405080.62	TREE 14 OAK
130980	1586055.62	405100.36	TREE 20 OAK
130981	1586044.13	405094.94	TREE 12 OAK
130982	1586046.18	405102.00	TREE 8 OAK
130983	1586316.56	405189.64	TREE 10 OAK
130984	1586316.51	405162.60	TREE 12 OAK
130985	1586248.25	405125.44	TREE 12 PALM
130986	1586247.75	405127.31	TREE 14 PALM
130987	1586297.30	405102.66	TREE 36 OAK
130988	1586299.25	405094.59	TREE 8(1) 12(1) 14(1) 16(1) OAK
130989	1586278.01	405049.06	TREE 8 OAK
130990	1586252.70	405037.52	TREE 12 PALM
130991	1586250.34	405036.88	TREE 14 PALM
130992	1586227.79	405056.37	TREE 8 OAK
130993	1586228.43	405063.90	TREE 28 OAK
130994	1586223.62	405047.69	TREE 16 OAK
130995	1586212.92	405049.70	TREE 16 OAK
130996	1586107.44	405046.07	TREE 18 OAK
130997	1586077.58	405017.73	TREE 12 OAK
130998	1586043.13	404996.25	TREE 14(2) OAK
130999	1586082.77	405007.58	TREE 10 OAK
131000	1586083.17	404957.48	TREE 8 OAK
131001	1586079.82	404955.99	TREE 15 OAK
131002	1586094.92	404941.24	TREE 10 OAK
131003	1586095.25	404933.70	TREE 8 OAK
131004	1586114.96	404914.88	TREE 9 OAK
131005	1586050.20	404893.95	TREE 10 OAK
131006	1586046.68	404895.47	TREE 9 OAK
131007	1586082.00	404870.90	TREE 14 OAK
131008	1586069.51	404855.91	TREE 8 OAK
131009	1586088.30	404867.70	TREE 14 OAK
131010	1586092.41	404836.97	TREE 12 OAK
131011	1586105.73	404847.76	TREE 12(5) PALM
131012	1585998.62	404914.78	TREE 12(4) PALM
131013	1585930.40	404902.42	TREE 12 OAK
131014	1585937.60	404889.01	TREE 11 OAK
131015	1585932.37	404870.13	TREE 12 OAK
131016	1585939.38	404836.01	TREE 12 OAK
131017	1585922.74	404831.35	TREE 10 OAK
131018	1585911.35	404809.00	TREE 12 PALM
131019	1585913.14	404808.70	TREE 12 PALM
131020	1585877.50	404778.93	TREE 24 OAK
131021	1585871.88	404785.71	TREE 8 OAK
131022	1585892.26	404759.96	TREE 10 OAK
131023	1585909.32	404730.21	TREE 10 OAK
131024	1585780.77	404702.18	TREE 8 OAK
131025	1585738.52	404719.61	TREE 8 OAK
131026	1585734.39	404718.80	TREE 8 OAK
131027	1585718.84	404713.10	TREE 13 OAK
131028	1585716.77	404719.47	TREE 14 OAK
131029	1585729.66	404700.02	TREE 10 OAK
131030	1585725.91	404690.00	TREE 10 OAK

Tree Table

Point #	Northing	Easting	Raw Description
131031	1585718.49	404695.07	TREE 10 OAK
131032	1585721.58	404799.14	TREE 12 OAK
131033	1585714.29	404847.13	TREE 20 OAK
131034	1585721.10	404855.48	TREE 16 PALM
131035	1585683.27	404871.92	TREE 10 OAK
131036	1585677.17	404848.16	TREE 10 OAK
131037	1585631.16	404861.36	TREE 8 OAK
131038	1585771.46	404992.87	TREE 12 OAK
131039	1585726.43	405191.82	TREE 8 OAK
131040	1585711.41	405191.52	TREE 12 OAK
131041	1585707.08	405168.79	TREE 8 OAK
131042	1585708.55	405013.76	TREE 8 OAK
131043	1585639.09	404931.10	TREE 52 OAK
131044	1585635.18	404908.17	TREE 25 OAK
131045	1585637.21	404901.77	TREE 8 OAK
131046	1585642.01	404894.02	TREE 8 OAK
131047	1585633.09	404864.35	TREE 8 OAK
131048	1585590.38	404854.27	TREE 8 OAK
131049	1585556.46	404849.92	TREE 8 OAK
131050	1585552.54	404849.58	TREE 18 OAK
131051	1585504.48	404866.42	TREE 10 OAK
131052	1585500.50	404872.46	TREE 8(2) OAK
131053	1585495.80	404869.99	TREE 10 OAK
131054	1585496.06	404823.83	TREE 10 OAK
131055	1585472.65	404827.02	TREE 14 PALM
131056	1585471.65	404821.90	TREE 12 PALM
131057	1585416.53	404787.63	TREE 52 OAK
131058	1585423.66	404773.08	TREE 48 OAK
131059	1585382.01	404760.30	TREE 8 OAK
131060	1585329.78	404881.72	TREE 10 OAK
131061	1585325.30	404881.10	TREE 14 OAK
131062	1585321.06	404884.57	TREE 12 OAK
131063	1585293.69	404937.46	TREE 72 OAK
131064	1585294.57	404965.57	TREE 12 OAK
131065	1585314.83	404939.27	TREE 32 OAK
131066	1585245.31	404885.07	TREE 16 OAK
131067	1585283.73	404880.21	TREE 26 OAK
131068	1585381.38	404759.05	TREE 10 OAK
131069	1585387.19	404748.75	TREE 8 OAK
131070	1585400.18	404745.38	TREE 10 OAK
131071	1585427.71	404741.03	TREE 34 OAK
131072	1585440.49	404739.85	TREE 34 OAK
131073	1585477.69	404731.79	TREE 10 OAK
131074	1585440.49	404677.64	TREE 16 OAK
131075	1585481.29	404600.40	TREE 18 OAK
131076	1585587.68	404615.34	TREE 11 OAK
131077	1585562.91	404744.06	TREE 12 OAK
131078	1585800.65	404702.91	TREE 8 OAK
131079	1585802.10	404716.14	TREE 12 OAK
131080	1585812.51	404735.87	TREE 22 OAK
131081	1585891.35	404758.81	TREE 10 OAK
131082	1585993.28	404836.64	TREE 8(2) OAK
131083	1586022.92	404834.81	TREE 8(3) OAK
131084	1586187.73	404832.94	TREE 48 OAK
131085	1586192.56	404832.17	TREE 8 OAK
131086	1586195.63	404836.44	TREE 12 OAK
131087	1586192.64	404840.86	TREE 14 OAK
131088	1586186.14	404863.40	TREE 8 OAK
131089	1586189.66	404863.39	TREE 10 OAK
131090	1586204.24	404885.80	TREE 16 OAK
131091	1586225.17	404857.73	TREE 12 OAK
131092	1586231.00	404857.70	TREE 18 OAK
131093	1586226.80	404859.25	TREE 8 OAK
131094	1586229.56	404856.20	TREE 8 OAK
131095	1586219.41	404889.44	TREE 70 OAK
131096	1586226.94	404890.64	TREE 12 OAK
131097	1586217.50	404898.16	TREE 8 OAK
131098	1586231.10	404917.49	TREE 10 PALM
131099	1586235.18	404918.95	TREE 16 PALM
131100	1586223.98	404926.53	TREE 12 OAK
131101	1586220.61	404925.77	TREE 10 OAK
131102	1586206.56	404930.60	TREE 14 OAK
131103	1586205.92	404939.64	TREE 10 PALM
131104	1586203.18	404939.60	TREE 14 PALM
131105	1586205.62	404940.97	TREE 12 PALM
131106	1586217.56	404936.91	TREE 16 PALM
131107	1586178.84	404923.73	TREE 10 OAK
131108	1586172.24	404924.36	TREE 10 OAK
131109	1586183.19	404958.77	TREE 52 OAK
131110	1586181.59	404978.85	TREE 10 OAK
131111	1586207.23	404981.26	TREE 10 OAK
131112	1586204.80	404986.93	TREE 12 OAK
131113	1586218.43	404994.16	TREE 10 OAK
131114	1586219.28	404995.24	TREE 8 OAK
131115	1586275.23	404983.07	TREE 30 OAK
131116	1586251.99	404997.69	TREE 8 OAK
131117	1586243.18	404994.90	TREE 14 OAK
131118	1586271.59	404914.93	TREE 16 PALM
131119	1586270.64	404886.65	TREE 12 OAK
131120	1586321.50	404798.41	TREE 12 OAK

Tree Table

Point #	Northing	Easting	Raw Description
131121	1586298.52	404781.82	TREE 26 OAK
131122	1586267.51	404763.83	TREE 12 OAK
131123	1586236.42	404737.32	TREE 24 OAK
131124	1586234.41	404736.91	TREE 8 OAK
131125	1586207.02	404716.64	TREE 26 OAK
131126	1586186.92	404722.60	TREE 38 OAK
131127	1586166.72	404708.26	TREE 36 OAK
131128	1586156.71	404722.62	TREE 42 OAK
131129	1586158.71	404722.21	TREE 8 OAK
131130	1586113.99	404828.66	TREE 10 OAK
131131	1586011.31	405094.78	TREE 8 OAK
131132	1585951.30	405070.01	TREE 10 OAK
131133	1585866.12	405104.53	TREE 10 OAK
131134	1585863.28	405107.55	TREE 10 OAK
131135	1585858.35	405100.76	TREE 12 PALM
131136	1585856.35	405097.04	TREE 12 PALM
131137	1585865.82	405074.77	TREE 12 PALM
131138	1585861.65	405051.79	TREE 12 OAK
131139	1585853.39	405049.21	TREE 12 OAK
131140	1585851.57	405049.70	TREE 12 OAK
131141	1585863.59	404997.03	TREE 8 OAK
131142	1585885.22	404986.18	TREE 8 OAK
131143	1585886.47	404987.33	TREE 10 OAK
131144	1585895.85	404987.24	TREE 10 OAK
131145	1585904.05	404962.39	TREE 8 OAK
131146	1585896.53	404958.73	TREE 12 OAK
131147	1585915.45	404950.97	TREE 12 OAK
131148	1585860.43	404934.46	TREE 8 OAK
131149	1585839.65	404965.24	TREE 18 OAK
131150	1585847.08	404960.45	TREE 14 OAK
131151	1585854.04	404927.51	TREE 12 OAK
131154	1585628.12	404534.79	TREE 14 OAK
131155	1585548.80	404523.49	TREE 8 OAK
131156	1585529.90	404509.71	TREE 8 OAK
131157	1585484.20	404541.26	TREE 14 PALM
131158	1585424.62	404520.83	TREE 8 OAK
131159	1585421.64	404514.86	TREE 8 OAK
131160	1585410.58	404484.94	TREE 10 OAK
131161	1585416.91	404480.56	TREE 12 OAK
131162	1585706.47	404633.26	TREE 16 OAK
131163	1585727.94	404628.39	TREE 8 OAK
131164	1585731.55	404624.43	TREE 14 OAK
131165	1585737.39	404635.60	TREE 16 OAK
131166	1585771.85	404591.26	TREE 10 OAK
131167	1585783.18	404575.18	TREE 14 OAK
131168	1585820.24	404628.42	TREE 26 OAK
131169	1585823.46	404628.64	TREE 8 OAK
131170	1585840.94	404615.48	TREE 14 PALM
131171	1585843.30	404615.47	TREE 12 PALM
131172	1585844.17	404616.42	TREE 14 PALM
131173	1585847.92	404617.20	TREE 14 PALM
131174	1585846.95	404619.28	TREE 14 PALM
131175	1585874.52	404581.35	TREE 12(3) PALM
131176	1585870.97	404578.02	TREE 16 PALM
131177	1585892.72	404616.38	TREE 12 PALM
131178	1585889.47	404618.15	TREE 12 PALM
131179	1585953.61	404655.35	TREE 10 OAK
131180	1585938.83	404715.13	TREE 14 OAK
131181	1586073.09	404639.46	TREE 12 PALM
131182	1586081.41	404641.89	TREE 12 PALM
131183	1586110.75	404653.41	TREE 10 OAK
131184	1586083.87	404641.59	TREE 12 PALM
131185	1586084.07	404639.50	TREE 10 PALM
131186	1586081.27	404638.09	TREE 12 PALM
131187	1586076.77	404640.03	TREE 14 PALM
131188	1586077.33	404627.15	TREE 10 OAK
131189	1586110.44	404619.59	TREE 12 OAK
131190	1586109.82	404617.36	TREE 12 OAK
131191	1586133.43	404604.50	TREE 17 OAK
131192	1586181.50	404628.78	TREE 8 OAK
131193	1586194.33	404624.88	TREE 18 OAK
131194	1586198.47	404599.60	TREE 16 OAK
131195	1586238.85	404590.67	TREE 16 OAK
131196	1586274.09	404647.47	TREE 18 OAK
131197	1586276.56	404689.31	TREE 12 OAK
131198	1586230.93	404676.26	TREE 12(2) OAK
131199	1586241.22	404707.14	TREE 12(2) OAK
131200	1586277.78	404703.29	TREE 12 OAK
131201	1586276.82	404691.18	TREE 12 OAK
131202	1586330.38	404719.74	TREE 12 OAK
131203	1586356.39	404751.53	TREE 34 OAK
131204	1586363.45	404743.32	TREE 10 OAK
131205	1586374.92	404748.85	TREE 8 OAK
131206	1586380.10	404745.72	TREE 14 OAK
131207	1586394.95	404707.28	TREE 14 OAK
131208	1586388.48	404694.12	TREE 8 OAK
131209	1586379.91	404704.46	TREE 8 OAK
131210	1586377.64	404699.72	TREE 8 OAK
131211	1586380.54	404695.82	TREE 12 OAK
131212	1586376.02	404691.08	TREE 32 OAK

Tree Table

Point #	Northing	Easting	Raw Description
131213	1586363.10	404687.70	TREE 12 OAK
131214	1586364.72	404693.27	TREE 12 OAK
131215	1586360.82	404691.52	TREE 12 OAK
131216	1586361.63	404694.44	TREE 12 OAK
131217	1586383.98	404665.05	TREE 8 OAK
131218	1586388.46	404660.49	TREE 12 OAK
131219	1586405.41	404664.03	TREE 8 OAK
131220	1586404.44	404653.89	TREE 8 OAK
131221	1586393.97	404650.73	TREE 32 OAK
131222	1586391.16	404634.23	TREE 8 OAK
131223	1586371.16	404629.66	TREE 10 OAK
131224	1586395.41	404580.05	TREE 9 OAK
131225	1586395.04	404572.97	TREE 20 OAK
131226	1586395.28	404565.60	TREE 14 OAK
131227	1586343.09	404535.35	TREE 12 OAK
131228	1586346.82	404497.59	TREE 12 OAK
131229	1586291.56	404465.30	TREE 8(1) 12(1) OAK
131230	1586270.86	404479.16	TREE 18 OAK
131231	1586226.60	404483.00	TREE 22 OAK
131232	1586262.66	404550.67	TREE 16 OAK
131233	1586375.42	404454.31	TREE 18 OAK
131234	1586429.17	404421.89	TREE 8 OAK
131235	1586428.07	404414.93	TREE 8(3) OAK
131236	1586422.67	404419.86	TREE 12 OAK
131237	1586082.08	405882.63	TREE 12 OAK
131238	1586081.77	405825.59	TREE 12 OAK
131239	1586070.99	405804.94	TREE 8 OAK
131240	1586044.10	405760.66	TREE 10 OAK
131241	1586030.20	405739.69	TREE 10 OAK
131242	1586042.20	405684.17	TREE 8 OAK
131243	1586035.68	405670.99	TREE 8 OAK
131244	1586018.19	405653.06	TREE 8 OAK
131245	1586010.68	405672.59	TREE 12 PALM
131246	1586008.59	405676.75	TREE 12 PALM
131247	1586007.17	405673.28	TREE 14 PALM
131248	1585987.05	405688.80	TREE 8 OAK
131249	1585961.31	405684.85	TREE 8 OAK
131250	1585983.42	405723.63	TREE 12 PALM
131251	1586001.89	405735.75	TREE 8 OAK
131252	1585971.73	405743.77	TRE

Tree Table			
Point #	Northing	Easting	Raw Description
150224	1591172.12	402383.93	TREE 7 OAK
150225	1591164.21	402383.10	TREE 14 PALM CABBAGE
150226	1591160.62	402392.72	TREE 9 OAK
150227	1591172.18	402388.07	TREE 11 PALM CABBAGE
150228	1591131.37	402352.75	TREE 17 OAK
150229	1591171.95	402340.48	TREE 8 PALM CABBABE
150230	1591107.52	402321.63	TREE 9 OAK
150231	1591106.35	402323.93	TREE 15 OAK
150232	1591100.69	402361.97	TREE 19 OAK
150233	1591110.15	402369.54	TREE 9 OAK
150234	1591108.11	402390.26	TREE 9 OAK
150235	1591077.96	402374.63	TREE 9 OAK
150236	1591075.49	402374.43	TREE 5 OAK
150237	1591068.91	402361.75	TREE 9 PALM CABBAGE
150238	1591053.04	402369.24	TREE 14 OAK
150239	1591061.31	402395.36	TREE 7 OAK
150240	1591063.17	402394.16	TREE 6 OAK
150241	1591028.73	402379.94	TREE 20 OAK
150242	1591030.29	402382.23	TREE 5 OAK
150243	1591015.51	402390.01	TREE 15 PALM CABBAGE
150244	1591022.71	402400.67	TREE 15 PALM CABBAGE
150245	1591014.98	402325.43	TREE 13 OAK
150246	1591017.63	402325.73	TREE 7 OAK
150247	1591290.58	402118.07	TREE 16 PALM CABBAGE
150248	1591353.46	402117.95	TREE 16 OAK
150249	1591349.39	402131.31	TREE 11 OAK
150250	1591318.89	402228.17	TREE 13 OAK
150251	1591287.81	402211.54	TREE 12 OAK
150252	1591262.21	402233.34	TREE 13 OAK
150253	1591262.22	402181.25	TREE 14 OAK
150254	1591131.22	402422.91	TREE 11 OAK
150255	1591143.33	402414.97	TREE 10 OAK
150256	1591137.29	402427.38	TREE 14 OAK
150257	1591142.02	402431.66	TREE 4 OAK
150258	1591147.56	402418.47	TREE 8 OAK
150259	1591138.07	402429.70	TREE 7 OAK
150260	1591155.67	402450.33	TREE 9 OAK
150261	1591159.21	402452.54	TREE 9 OAK
150262	1591170.64	402448.63	TREE 17 OAK
150263	1591172.10	402458.02	TREE 4 OAK
150264	1591159.87	402466.47	TREE 13 OAK
150265	1591172.23	402474.56	TREE 14 OAK
150266	1591197.81	402478.91	TREE 7 OAK
150267	1591196.76	402453.32	TREE 15 OAK
150268	1591183.08	402434.09	TREE 9 OAK
150269	1591191.74	402417.27	TREE 16 OAK
150270	1591207.96	402392.80	TREE 9 OAK
150271	1591210.92	402383.90	TREE 13 OAK
150272	1591218.05	402412.26	TREE 18 OAK
150273	1591115.49	402446.81	TREE 7 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
150314	1590927.78	402756.84	TREE 14 PALM CABBAGE
150315	1590969.60	402764.61	TREE 41 OAK
150316	1590976.11	402758.60	TREE 13 OAK
150317	1590949.32	402787.81	TREE 10 OAK
150318	1590926.69	402819.01	TREE 9 OAK
150319	1590951.07	402822.16	TREE 10 OAK
150320	1590957.24	402815.72	TREE 6 OAK
150321	1591000.31	402819.63	TREE 9 OAK
150322	1591013.09	402816.00	TREE 7 OAK
150323	1591027.54	402784.31	TREE 9 OAK
150324	1591040.88	402825.92	TREE 10 OAK
150325	1591026.09	402749.61	TREE 18 OAK
150326	1591019.03	402730.00	TREE 10 OAK
150327	1591020.02	402682.69	TREE 17 OAK
150328	1591049.99	402653.86	TREE 11 OAK
150329	1591076.67	402657.26	TREE 13 OAK
150330	1591107.28	402664.90	TREE 10 OAK
150331	1591134.14	402670.70	TREE 10 OAK
150332	1591132.60	402687.92	TREE 11 OAK
150333	1591171.58	402655.56	TREE 9 OAK
150334	1591172.06	402672.78	TREE 15 OAK
150335	1591169.78	402715.40	TREE 13 OAK
150336	1591140.56	402717.04	TREE 12 OAK
150337	1591114.56	402729.54	TREE 11 OAK
150338	1591103.87	402753.44	TREE 9 OAK
150339	1591051.90	402749.96	TREE 5 OAK
150340	1591082.91	402715.81	TREE 12 OAK
150341	1591078.30	402721.68	TREE 10 OAK
150342	1590981.31	402472.72	TREE 12 OAK
150343	1590993.30	402500.27	TREE 15 OAK
150344	1591014.44	402470.38	TREE 17 PALM CABBAGE
150345	1591046.72	402599.24	TREE 15 OAK
150346	1591018.26	402609.34	TREE 12 OAK
150347	1591039.41	402616.90	TREE 18 PALM CABBAGE
150348	1591084.65	402592.68	TREE 10 OAK
150349	1591069.54	402609.48	TREE 10 OAK
150350	1591073.88	402623.46	TREE 12 OAK
150351	1591093.70	402611.94	TREE 11 OAK
150352	1591088.97	402594.28	TREE 14 PALM CABBAGE
150353	1591116.41	402587.14	TREE 10 OAK
150356	1590532.25	402095.14	TREE 11 OAK
150357	1590305.51	402098.11	TREE 16 PALM CABBAGE
150358	1590259.61	402092.30	TREE 6 UNKNOWN
150359	1590258.43	402105.89	TREE 6 UNKNOWN
150360	1590283.72	402192.35	TREE 6 ORANGE
150361	1590261.40	402220.41	TREE 17 PALM CABBAGE
150362	1590233.56	402223.23	TREE 6 ORANGE
150363	1590233.04	402238.79	TREE 6 ORANGE
150364	1590256.80	402253.85	TREE 7 ORANGE
150365	1590282.59	402269.55	TREE 7 ORANGE
150366	1590281.95	402300.66	TREE 7 ORANGE
150367	1590257.15	402314.38	TREE 7 ORANGE
150368	1590234.03	402314.18	TREE 7 ORANGE
150369	1590207.30	402299.31	TREE 7 ORANGE
150370	1590208.32	402193.72	TREE 7 ORANGE
150371	1590208.64	402208.36	TREE 7 ORANGE
150372	1590208.99	402223.21	TREE 7 ORANGE
150373	1590182.73	402199.33	TREE 20 OAK
150374	1590209.67	402121.19	TREE 8 ORANGE
150375	1590208.92	402090.40	TREE 8 ORANGE
150376	1590184.08	402121.13	TREE 8 ORANGE
150377	1590408.59	402228.37	TREE 8 ORANGE
150378	1590409.13	402212.77	TREE 7 ORANGE
150379	1590433.70	402214.17	TREE 7 ORANGE
150380	1590408.97	402181.19	TREE 7 ORANGE
150381	1590434.95	402108.82	TREE 8 ORANGE
150382	1590410.35	402122.91	TREE 6 ORANGE
150383	1590385.54	402092.98	TREE 7 ORANGE
150384	1590133.52	402089.55	TREE 7 ORANGE
150385	1590060.22	402104.59	TREE 7 ORANGE
150386	1590060.96	402088.07	TREE 7 ORANGE
150387	1590109.64	402208.91	TREE 7 ORANGE
150388	1590133.06	402237.60	TREE 8 ORANGE
150389	1590181.84	402267.48	TREE 8 ORANGE
150390	1590157.41	402297.84	TREE 9 ORANGE
150391	1590157.06	402328.40	TREE 9 ORANGE
150392	1590158.22	402359.62	TREE 9 ORANGE
150393	1590045.83	402340.73	TREE 9 OAK
150394	1590047.26	402341.07	TREE 8 OAK
150395	1590085.89	402221.50	TREE 10 OAK
150396	1590085.01	402252.36	TREE 8 ORANGE
150397	1590059.94	402265.91	TREE 9 ORANGE
150398	1590034.49	402237.95	TREE 9 ORANGE
150399	1590011.20	402194.41	TREE 9 ORANGE
150400	1590080.34	402445.99	TREE 12 OAK
150401	1590091.59	402462.62	TREE 37 OAK
150402	1590088.26	402471.18	TREE 24 OAK
150403	1590113.34	402495.04	TREE 12 OAK
150404	1590111.12	402497.09	TREE 5 OAK
150405	1590067.95	402489.41	TREE 16 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
150406	1590035.09	402470.20	TREE 30 OAK
150407	1590062.05	402510.81	TREE 11 OAK
150408	1590076.30	402502.62	TREE 13 OAK
150409	1590053.01	402519.68	TREE 5 OAK
150410	1590029.20	402523.63	TREE 9 OAK
150411	1590009.07	402508.88	TREE 20 OAK
150412	1590007.32	402539.91	TREE 14 OAK
150413	1589990.73	402538.84	TREE 7 OAK
150414	1589954.00	402538.60	TREE 7 OAK
150415	1589947.27	402540.65	TREE 6 ORANGE
150416	1589947.08	402511.67	TREE 6 ORANGE
150417	1589946.95	402497.14	TREE 5 OAK
150418	1589921.69	402480.60	TREE 5 ORANGE
150419	1589923.14	402512.37	TREE 5 ORANGE
150420	1589929.26	402520.93	TREE 18 OAK
150421	1589948.16	402555.51	TREE 5 ORANGE
150422	1589949.95	402583.94	TREE 9 OAK
150423	1589959.42	402596.02	TREE 9 OAK
150424	1589949.38	402602.28	TREE 6 OAK
150425	1589956.60	402608.77	TREE 12 OAK
150426	1589971.35	402587.79	TREE 5 OAK
150427	1589971.86	402585.34	TREE 13 OAK
150428	1589985.77	402588.47	TREE 4 OAK
150429	1589988.70	402591.60	TREE 14 OAK
150430	1589992.69	402573.76	TREE 4 OAK
150431	1590008.66	402580.76	TREE 14 OAK
150432	1589973.14	402554.16	TREE 4 PINE
150433	1589970.05	402553.03	TREE 5 ORANGE
150434	1589992.37	402548.70	TREE 15 OAK
150435	1590000.04	402556.42	TREE 10 OAK
150436	1590030.52	402571.25	TREE 22 OAK
150437	1590041.74	402533.34	TREE 9 OAK
150438	1590061.54	402547.71	TREE 8 OAK
150439	1590062.15	402555.04	TREE 7 OAK
150440	1590071.31	402548.41	TREE 11 OAK
150441	1590105.85	402537.78	TREE 13 OAK
150442	1590104.75	402540.72	TREE 13 OAK
150443	1590110.55	402541.07	TREE 10 OAK
150444	1590061.06	402418.15	TREE 6 ORANGE
150445	1590207.22	402449.11	TREE 6 ORANGE
150446	1590278.75	402670.65	TREE 5 ORANGE
150447	1590255.70	402643.58	TREE 5 ORANGE
150448	1590265.80	402588.74	TREE 16 OAK
150449	1590211.74	402651.30	TREE 5 OAK
150450	1590208.19	402640.00	TREE 12 OAK
150451	1590202.81	402654.87	TREE 9 OAK
150452	1590195.65	402647.17	TREE 11 OAK
150453	1590178.23	402626.82	TREE 6 ORANGE
150454	1590166.09	402628.97	TREE 8 OAK
150455	1590165.96	402633.85	TREE 11 OAK
150456	1590174.77	402660.99	TREE 11 OAK
150457	1590173.43	402676.00	TREE 10 OAK
150458	1590167.92	402669.80	TREE 5 OAK
150459	1590170.53	402681.18	TREE 5 OAK
150460	1590166.14	402662.62	TREE 7 OAK
150461	1590160.34	402657.13	TREE 4 OAK
150462	1590157.93	402695.88	TREE 8 OAK
150463	1590135.98	402669.00	TREE 15 OAK
150464	1590118.57	402677.12	TREE 12 OAK
150465	1590143.65	402631.88	TREE 10 OAK
150466	1590141.06	402622.66	TREE 13 OAK
150467	1590143.71	402571.38	TREE 5 OAK
150468	1590132.62	402575.76	TREE 30 OAK
150469	1590118.19	402604.80	TREE 9 OAK
150470	1590124.62	402612.82	TREE 8 OAK
150471	1590114.28	402612.96	TREE 13 OAK
150472	1590101.74	402620.13	TREE 6 OAK
150473	1590103.91	402625.39	TREE 6 ORANGE
150474	1590110.42	402568.72	TREE 4 OAK
150475	1590107.36	402570.12	TREE 13 OAK
150476	1590065.23	402580.47	TREE 24 OAK
150477	1590152.28	402761.94	TREE 7 ORANGE
150478	1590128.21	402789.70	TREE 8 ORANGE
150479	1590127.91	402821.20	TREE 8 ORANGE
150480	1590102.70	402820.60	TREE 7 ORANGE
150481	1590128.21	402747.14	TREE 7 ORANGE
150482	1590153.76	402730.94	TREE 8 ORANGE
150483	1590127.95	402716.12	TREE 7 ORANGE
150484	1590109.92	402711.25	TREE 14 OAK
150485	1590054.63	402699.58	TREE 7 ORANGE
150486	1590054.30	402668.90	TREE 8 ORANGE
150487	1590054.72	402628.69	TREE 8 OAK
150488	1590055.54	402625.14	TREE 8 OAK
150489	1590053.06	402639.33	TREE 7 ORANGE
150490	1590020.67	402609.77	TREE 17 OAK
150491	1590018.08	402662.68	TREE 51 OAK
150492	1589981.84	402655.41	TREE 14 OAK
150493	1590010.44	402669.39	TREE 4 OAK
150494	1589989.00	402677.46	TREE 9 OAK
150495	1589936.15	402654.22	TREE 7 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
150496	1589913.87	402668.66	TREE 9 OAK
150497	1589928.54	402695.33	TREE 6 ORANGE
150498	1589928.97	402713.72	TREE 6 ORANGE
150499	1589949.08	402709.21	TREE 8 OAK
150500	1589985.75	402697.80	TREE 8 OAK
150501	1589958.44	402728.25	TREE 6 ORANGE
150502	1589981.92	402742.79	TREE 8 ORANGE
150503	1589981.25	402758.12	TREE 6 ORANGE
150504	1590037.52	402746.10	TREE 42 OAK
150505	1589939.06	402732.82	TREE 6 OAK
150506	1589936.77	402739.66	TREE 23 OAK
150507	1589925.57	402754.55	TREE 31 OAK
150508	1589936.11	402800.55	TREE 64 OAK
150509	1589903.88	402774.30	TREE 4 OAK
150510	1589881.61	402741.97	TREE 5 OAK
150511	1589881.26	402715.26	TREE 7 ORANGE
150512	1589857.78	402730.43	TREE 7 ORANGE
150513	1589882.56	402680.90	TREE 12 OAK
150514	1589804.04	402758.37	TREE 20 OAK
150515	1589766.28	402712.63	TREE 12 OAK
150516	1589786.96	402697.07	TREE 5 OAK
150517	1589762.38	402687.59	TREE 13 OAK
150518	1589765.58	402665.46	TREE 41 OAK
150519	1589787.55	402678.63	TREE 8 OAK
150520	1589880.31	402814.63	TREE 6 ORANGE
150521	1589898.62	402860.19	TREE 12 OAK
150522	1589889.82	402863.94	TREE 12 OAK
150523	1589889.17	402857.85	TREE 12 OAK
150524	1589889.96	402870.19	TREE 14 OAK
150525	1589895.73	402871.25	TREE 13 OAK
150526	1589898.07	402865.70	TREE 24 OAK
150527	1589900.01	402870.67	TREE 4 OAK
150528	1589898.42	402877.72	TREE 4 OAK
150529	1589895.64	402878.42	TREE 16 OAK
150530	1589980.00	402788.27	TREE 6 ORANGE
150531	1589953.98	402906.90	TREE 6 ORANGE
150532	1589953.38	402937.48	TREE 6 ORANGE
150533	1589977.84	402922.31	TREE 6 ORANGE
150534	1589898.55	402959.50	TREE 36 OAK
150535	1589953.30	402981.38	TREE 6 ORANGE
150536	1589985.41	402968.30	TREE 32 OAK
150537	1590004.02	402981.93	TREE 26 OAK
150538	1590101.00	402936.32	TREE 34 OAK
150539	1590089.91	402973.60	TREE 8 OAK
150540	1590090.84	402975.31	TREE 5 OAK
150541	1590103.03	402985.74	TREE 4 OAK
150542	1590097.83	402985.36	TREE 5 OAK
150543	1590102.52	402989.44	TREE 13 OAK
150544	1590103.45	402991.03	TREE 5 OAK
150545	1590097.53	402989.78	TREE 23 OAK
150546	1590094.91	402987.40	TREE 10 OAK
150547	1590091.89	402988.18	TREE 14 OAK
150548	1590097.00	402997.02	TREE 18 OAK
150549	1590125.47	402987.82	TREE 4 OAK
150550	1590124.74	402987.23	TREE 5 OAK
150553	1590949.98	403021.92	TREE 8 OAK
150554	1590922.99	403043.18	TREE 8 OAK
150555	1590931.26	403044.50	TREE 12 OAK
150556	1590953.81	403047.79	TREE 30 OAK
150557	1590951.40	403056.79	TREE 8 OAK
150558	1590956.76	403054.58	TREE 19 OAK
150559	1590968.28	403052.80	TREE 36 OAK
150560	1590916.69	403112.88	TREE 29 OAK
150561	1590912.58	403124.17	TREE 38 OAK
150562	1590839.40	403163.37	TREE 8 OAK
150563	1590865.68	403180.76	TREE 22 OAK
150564	1590868.78	403178.91	TREE 15 OAK
150565	1590867.58	403183.66	TREE 14 OAK
150566	1590839.65	403191.91	TREE 12 OAK
150567	1590879.70	403184.83	TREE 10 OAK
150568	1590936.83	403186.23	TREE 12 OAK
150569	1590934.80	403215.23	TREE 23 OAK
150570	1590964.74	403229.11	TREE 22 OAK
150571	1590964.00	403235.43	TREE 19 OAK
150572	1590960.43	403246.63	TREE 14 OAK
150573	1590957.97	403282.14	TREE 20 OAK
150574	1590946.81	403304.56	TREE 8 OAK
150575	1590952.16	403307.31	TREE 12 OAK
150576	1590938.52	403327.79	TREE 8 OAK
150577	1590904.30	403322.59	TREE 15 OAK
150578	1590884.85	403319.33	TREE 8 OAK
150579	1590891.46	403338.28	TREE 24 OAK
150580	1590911.10	403357.81	TREE 13 OAK
150581	1590952.44	403375.16	TREE 10 OAK
150582	1590981.07	403302.89	TREE 12 OAK
150583	1590996.37	403323.10	TREE 14 OAK
150584	1591065.23	403357.35	TREE 36 OAK
150585	1591074.26	403359.80	TREE 9 OAK
150586	1591038.31	403298.63	TREE 21 OAK
150587	1591018.83	403253.39	TREE 16 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
150588	1591010.94	403246.42	TREE 14 OAK
150589	1590985.19	403255.63	TREE 19 OAK
150590	1590989.23	403221.04	TREE 24 OAK
150591	1590983.40	403179.49	TREE 19 OAK
150592	1590970.93	403161.17	TREE 34 OAK
150593	1590982.86	403148.30	TREE 22 OAK
150594	1590986.45	403149.24	TREE 22 OAK
150595	1590992.53	403118.84	TREE 13 OAK
150596	1590889.45	403041.54	TREE 13 OAK
150597	1590865.15	403038.29	TREE 12 OAK
150598	1590865.24	403054.56	TREE 8 OAK
150599	1590805.51	403033.23	TREE 24 OAK
150600	1590808.05	403034.40	TREE 9 OAK
150601	1590805.10	403055.75	TREE 36 OAK
150602	1590811.22	403059.36	TREE 8 OAK
150603	1590778.82	403077.72	TREE 15 OAK
150604	1590751.61	403090.59	TREE 9 OAK
150605	1590777.04	403091.37	TREE 14 OAK
150606	1590798.64	403086.36	TREE 13 OAK
150607	1590797.06	403085.66	TREE 12 OAK
150608	1590808.67	403105.49	TREE 18 OAK
150609	1590829.63	403098.15	TREE 12 OAK
150610	1590771.06	403125.70	TREE 29 OAK
150611	1590749.32	403128.36	TREE 11 OAK
150612	1590752.78	403134.31	TREE 32 OAK
150613	1590692.36	403158.51	TREE 15 OAK
150614	1590631.26	403201.00	TREE 23 OAK
150615	1590635.33	403205.89	TREE 40 OAK
150616	1590630.45	403227.49	TREE 21 OAK
150617	1590617.11	403244.85	TREE 18 OAK
150618	1590670.54	403290.86	TREE 29 OAK
150619	1590654.42	403299.45	TREE 23 OAK
150620	1590734.95	403356.72	TREE 17 OAK
150621	1590743.33	403356.56	TREE 23 OAK
150622	1590746.24	403334.83	TREE 8 OAK
150623	1590744.51	403335.86	TREE 16 OAK
150624	1590752.72	403338.44	TREE 16 OAK
150625	1590751.20	403348.28	TREE 17 OAK
150626	1590755.94	403354.60	TREE 15 OAK
150627	1590751.57	403367.89	TREE 12 OAK
150628	1590757.05	403366.75	TREE 15 OAK
150629	1590769.63	403375.09	TREE 8 OAK
150630	1590769.18	403390.16	TREE 12 OAK
150631	1590774.10	403390.31	TREE 25 OAK
150632	1590773.78	403392.59	TREE 15 OAK
150633	1590776.57	403345.93	TREE 21 OAK
150634	1590793.49	403359.42	TREE 15 OAK
150635	1590825.45	403365.43	TREE 15 OAK
150637	1590832.49	403379.13	TREE 11 OAK
150638	1590863.56	403301.76	TREE 20 OAK
150639	1590870.66	403312.76	TREE 20 OAK
150640	1590832.80	403318.14	TREE 32 OAK
150641	1590797.57	403325.57	TREE 29 OAK
150642	1590837.18	403225.37	TREE 11 OAK
150643	1590865.34	403244.69	TREE 30 OAK
150646	1590776.00	402988.30	TREE 36 OAK
150647	1590787.92	402937.07	TREE 32 OAK
150648	1590723.57	402947.92	TREE 40 OAK
150649	1590782.15	402898.49	TREE 16 OAK
150650	1590773.40	402901.74	TREE 8 OAK
150651	1590782.20	402893.85	TREE 27 OAK
150652	1590687.60	402926.93	TREE 12 OAK
150653	1590668.88	402923.87	TREE 17 OAK
150654	1590659.06	402899.90	TREE 26 OAK
150655	1590648.04	402931.01	TREE 15 OAK
150656	1590638.89	402950.36	TREE 27 OAK
150657	1590632.78	402981.33	TREE 16 OAK
150658	1590605.64	403055.28	TREE 24 OAK
150659	1590607.18	403084.71	TREE 25 OAK
150660	1590725.47	402836.75	TREE 36 OAK
150661	1590714.32	402831.87	TREE 26 OAK
150662	1590723.28	402812.74	TREE 19 OAK
150663	1590657.12	402772.20	TREE 17 OAK
150664	1590664.89	402784.81	TREE 12 OAK
150665	1590647.46	402787.18	TREE 13 OAK
150666	1590860.78	402797.58	TREE 17 OAK
150667	1590873.48	402797.06	TREE 14 OAK
150668	1590886.64	402866.74	TREE 13 OAK
150669	1590898.48	402886.51	TREE 12 OAK
150670	1590926.84	402886.97	TREE 15 OAK
150671	1590933.35	402884.12	TREE 16 OAK
150672	1590955.45	402900.84	TREE 15 OAK
150673	1590956.90	402881.52	TREE 12 OAK
150674	1590948.14	402862.99	TREE 12 OAK
150675	1590940.18	402933.72	TREE 29 OAK
150676	1590924.05	402957.33	TREE 11 OAK
150677	1590965.68	402954.56	TREE 24 OAK
150678	1590986.11	402985.32	TREE 18 OAK
150679	1590987.19	402982.04	TREE 19 OAK
150680	1590989.72	402920.91	TREE 30 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
150681	1591019.36	402922.56	TREE 8 OAK
150682	1591030.16	402914.59	TREE 8 OAK
150683	1591021.75	402942.05	TREE 16 OAK
150684	1591017.80	402975.15	TREE 8 OAK
150685	1590984.93	403003.82	TREE 32 OAK
150686	1590983.52	403032.16	TREE 15 OAK
150687	1590985.32	403040.57	TREE 28 OAK
150688	1591006.54	403014.78	TREE 10 OAK
150689	1591015.98	403007.06	TREE 40 OAK
150690	1591015.43	403088.55	TREE 24 OAK
150691	1591012.50	403090.92	TREE 12 OAK
150692	1591039.05	403047.95	TREE 40 OAK
150693	1591048.82	403024.51	TREE 10 OAK
150694	1591066.16	403021.64	TREE 9 OAK
150695	1591046.39	402975.30	TREE 24 OAK
150696	1591056.94	402970.49	TREE 24 OAK
150697	1591051.87	402953.26	TREE 14 OAK
150698	1591068.13	402945.52	TREE 26 OAK
150699	1591076.63	402920.73	TREE 26 OAK
150700	1591076.10	402880.89	TREE 12 OAK
150701	1591018.54	402861.94	TREE 14 OAK
150702	1591051.39	402864.78	TREE 13 OAK
150703	1591064.10	402857.19	TREE 10 OAK
150704	1591095.07	402865.83	TREE 8 OAK
150705	1591113.06	402858.64	TREE 13 OAK
150706	1591131.34	402866.48	TREE 17 OAK
150707	1591137.50	402842.34	TREE 14 OAK
150708	1591144.04	402841.95	TREE 13 OAK
150709	1591167.76	402826.56	TREE 13 PALM CABBAGE
150710	1591111.61	402817.02	TREE 13 BIRCH
150711	1591084.30	402824.99	TREE 12 OAK
150712	1591077.36	402812.59	TREE 15 OAK
150713	1591068.84	402813.61	TREE 27 OAK
150714	1591065.71	402794.85	TREE 8 OAK
150715	1590860.52	402796.12	TREE 17 OAK
150716	1591137.79	402917.82	TREE 21 OAK
150717	1591107.07	402948.34	TREE 27 OAK
150718	1591143.36	402968.23	TREE 22 OAK
150719	1591142.95	402977.99	TREE 13 OAK
150720	1591136.83	402977.03	TREE 19 OAK
150721	1591132.72	403004.18	TREE 8 OAK
150722	1591083.61	403006.84	TREE 9 OAK
150723	1591107.11	403057.59	TREE 24 OAK
150724	1591099.05	403064.16	TREE 36 OAK
150725	1591125.41	403069.48	TREE 27 OAK
150726	1591045.64	403093.56	TREE 36 OAK
150727	1591077.69	403108.06	TREE 11 OAK
150728	1591077.45	403130.00	TREE 14 OAK
150729	1591097.30	403138.84	TREE 25 OAK
150730	1591110.17	403154.95	TREE 24 OAK
150731	1591133.59	403179.33	TREE 14 BIRCH
150732	1591140.30	403166.79	TREE 8 OAK
150733	1591109.20	403184.66	TREE 9 OAK
150734	1591067.40	403160.02	TREE 21 OAK
150735	1591039.11	403148.40	TREE 12 OAK
150736	1591042.81	403166.46	TREE 10 OAK
150737	1591057.53	403181.91	TREE 26 OAK
150738	1591070.69	403183.98	TREE 18 OAK
150739	1591071.19	403213.94	TREE 9 OAK
150740	1591072.80	403218.27	TREE 14 PALM CABBAGE
150741	1591074.94	403214.04	TREE 12 OAK
150742	1591121.87	403216.00	TREE 8 OAK
150743	1591042.88	403235.86	TREE 17 OAK
150744	1591038.66	403250.17	TREE 19 OAK
150745	1591050.90	403270.01	TREE 13 OAK
150746	1591081.29	403249.38	TREE 9 OAK
150747	1591093.67	403246.10	TREE 12 OAK
150748	1591098.21	403268.43	TREE 32 OAK
150749	1591169.56	403185.39	TREE 8 BIRCH
150750	1591170.85	403190.90	TREE 10 OAK
150751	1591177.71	403191.78	TREE 13 OAK
150752	1591188.35	403173.02	TREE 12 OAK
150753	1591191.01	403163.39	TREE 9 OAK
150754	1591173.40	403159.54	TREE 10

Tree Table			
Point #	Northing	Easting	Raw Description
150955	1591301.31	402435.93	TREE 10 OAK
150956	1591318.95	402431.84	TREE 12 OAK
150957	1591311.53	402413.53	TREE 13 OAK
150958	1591321.04	402411.27	TREE 11 OAK
150959	1591342.67	402422.02	TREE 13 PALM CABBAGE
150960	1591342.68	402424.04	TREE 13 PALM CABBAGE
150961	1591349.88	402423.75	TREE 14 OAK
150962	1591352.94	402420.68	TREE 8 OAK
150963	1591364.08	402469.88	TREE 10 OAK
150964	1591354.61	402519.67	TREE 10 OAK
150965	1591356.80	402519.35	TREE 8 OAK
150966	1591359.18	402524.43	TREE 12 OAK
150967	1591396.65	402497.66	TREE 8 OAK
150968	1591381.86	402495.52	TREE 13 OAK
150969	1591345.94	402558.61	TREE 9 OAK
150970	1591313.57	402566.71	TREE 9 OAK
150971	1591315.42	402583.22	TREE 13 OAK
150972	1591312.74	402543.63	TREE 8 OAK
150973	1591306.22	402530.96	TREE 8 OAK
150974	1591320.37	402623.05	TREE 12 OAK
150975	1591324.97	402628.02	TREE 17 OAK
150976	1591338.13	402629.29	TREE 10 OAK
150977	1591332.76	402615.04	TREE 8 OAK
150978	1591350.16	402625.09	TREE 8 OAK
150979	1591347.56	402617.73	TREE 12 OAK
150980	1591348.52	402613.57	TREE 11 OAK
150981	1591344.12	402599.96	TREE 15 OAK
150982	1591356.07	402616.44	TREE 8 OAK
150983	1591344.65	402636.79	TREE 13 OAK
150984	1591326.43	402647.83	TREE 12 BIRCH
150985	1591328.91	402649.96	TREE 8 BIRCH
150986	1591313.17	402687.03	TREE 11 OAK
150987	1591323.50	402672.68	TREE 8 OAK
150988	1591357.08	402684.16	TREE 9 BIRCH
150989	1591351.37	402653.92	TREE 13 OAK
150990	1591377.88	402639.75	TREE 15 OAK
150991	1591399.31	402611.62	TREE 8 OAK
150992	1591397.85	402607.78	TREE 14 OAK
150993	1591408.12	402653.06	TREE 8 OAK
150994	1591410.89	402660.99	TREE 8 OAK
150995	1591429.33	402673.73	TREE 10 OAK
150996	1591440.73	402665.57	TREE 8 OAK
150997	1591425.28	402641.92	TREE 9 OAK
150998	1591429.53	402631.66	TREE 12 OAK
150999	1591422.71	402619.24	TREE 9 OAK
151000	1591409.71	402601.75	TREE 13 OAK
151001	1591415.22	402598.30	TREE 13 OAK
151002	1591417.88	402588.75	TREE 12 OAK
151003	1591430.32	402597.75	TREE 8 OAK
151004	1591435.93	402622.40	TREE 8 OAK
151005	1591444.74	402615.70	TREE 8 OAK
151006	1591453.83	402612.67	TREE 9 OAK
151008	1591454.31	402613.26	TREE 8 OAK
151009	1591464.00	402620.07	TREE 8 OAK
151010	1591460.33	402600.78	TREE 13 OAK
151011	1591464.74	402597.33	TREE 11 OAK
151012	1591468.83	402579.52	TREE 17 OAK
151013	1591468.84	402564.13	TREE 8 OAK
151014	1591466.45	402564.42	TREE 8 OAK
151015	1591472.98	402553.66	TREE 12 OAK
151016	1591469.36	402553.50	TREE 9 OAK
151017	1591495.88	402563.23	TREE 13 OAK
151018	1591493.39	402543.96	TREE 8 OAK
151019	1591492.96	402537.22	TREE 13 OAK
151020	1591492.12	402536.30	TREE 10 OAK
151021	1591496.72	402519.57	TREE 14 OAK
151022	1591516.01	402505.40	TREE 9 OAK
151023	1591530.89	402516.28	TREE 13 OAK
151024	1591530.23	402500.96	TREE 15 PALM CABBAGE
151025	1591532.12	402498.83	TREE 14 PALM CABBAGE
151026	1591538.32	402475.98	TREE 8 OAK
151027	1591448.40	402518.18	TREE 8 OAK
151028	1591438.49	402514.11	TREE 14 OAK
151029	1591434.97	402517.98	TREE 10 OAK
151030	1591438.06	402531.59	TREE 16 OAK
151031	1591434.28	402543.21	TREE 8 OAK
151032	1591430.92	402557.14	TREE 8 PINE
151033	1591411.37	402549.98	TREE 8 OAK
151034	1591448.62	402547.86	TREE 11 OAK
151035	1591451.25	402550.63	TREE 8 OAK
151036	1591453.11	402553.86	TREE 11 OAK
151037	1591471.47	402551.37	TREE 8 OAK
151038	1591309.57	402346.74	TREE 10 OAK
151039	1591314.71	402345.37	TREE 10 OAK
151040	1591316.02	402344.09	TREE 11 OAK
151041	1591324.10	402348.87	TREE 9 OAK
151043	1591319.17	402352.11	TREE 9 OAK
151044	1591320.43	402355.31	TREE 10 OAK
151045	1591327.42	402362.72	TREE 16 OAK
151046	1591318.79	402462.96	TREE 15 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
151047	1591354.95	402333.85	TREE 13 OAK
151048	1591346.44	402312.40	TREE 10 OAK
151049	1591330.32	402293.30	TREE 17 OAK
151052	1591419.87	402421.81	TREE 10 OAK
151053	1591417.36	402479.27	TREE 14 OAK
151054	1591394.53	402375.30	TREE 14 BIRCH
151055	1591381.78	402361.64	TREE 13 OAK
151056	1591378.23	402347.44	TREE 15 OAK
151057	1591394.15	402374.38	TREE 15 BIRCH
151058	1591414.46	402377.71	TREE 11 OAK
151059	1591413.92	402383.54	TREE 9 OAK
151060	1591500.78	402416.34	TREE 10 OAK
151061	1591500.64	402450.58	TREE 8 OAK
151062	1591527.98	402414.79	TREE 10 OAK
151063	1591547.07	402416.37	TREE 10 OAK
151064	1591547.10	402404.30	TREE 8 OAK
151065	1591481.18	402391.41	TREE 10 OAK
151066	1591506.71	402405.73	TREE 8 OAK
151067	1591478.91	402298.83	TREE 17 OAK
151068	1591475.71	402271.49	TREE 10 OAK
151069	1591453.36	402298.50	TREE 11 OAK
151070	1591447.50	402293.05	TREE 10 OAK
151071	1591447.83	402287.26	TREE 9 OAK
151072	1591451.10	402307.97	TREE 12 OAK
151073	1591375.17	402306.92	TREE 10 OAK
151074	1591375.04	402310.00	TREE 10 OAK
151075	1591380.82	402310.39	TREE 10 OAK
151076	1591386.40	402309.22	TREE 17 OAK
151077	1591339.48	402247.98	TREE 15 PALM CABBAGE
151078	1591347.66	402246.05	TREE 14 PALM CABBAGE
151079	1591347.91	402243.73	TREE 13 PALM CABBAGE
151080	1591347.75	402240.94	TREE 17 PALM CABBAGE
151081	1591354.90	402235.29	TREE 11 OAK
151082	1591371.46	402241.21	TREE 12 OAK
151083	1591393.99	402195.39	TREE 14 OAK
151084	1591387.10	402172.03	TREE 14 OAK
151085	1591399.51	402130.12	TREE 13 OAK
151086	1591424.00	402124.49	TREE 17 OAK
151087	1591419.22	402152.03	TREE 11 OAK
151088	1591431.06	402162.62	TREE 17 OAK
151089	1591465.93	402142.58	TREE 13 OAK
151090	1591434.67	402193.40	TREE 12 OAK
151091	1591435.22	402221.06	TREE 11 OAK
151092	1591434.02	402225.22	TREE 14 OAK
151093	1591418.56	402267.37	TREE 11 OAK
151094	1591416.62	402270.07	TREE 17 OAK
151096	1591452.23	402371.43	TREE 8 OAK
151097	1591478.12	402380.03	TREE 8 OAK
151098	1591531.53	402243.85	TREE 9 OAK
151099	1591507.76	402244.30	TREE 17 OAK
151100	1591514.60	402226.73	TREE 16 OAK
151101	1591505.32	402228.24	TREE 10 OAK
151102	1591501.85	402232.77	TREE 11 OAK
151103	1591537.09	402236.90	TREE 13 OAK
151104	1591578.95	402224.43	TREE 13 OAK
151105	1591564.30	402223.75	TREE 13 OAK
151106	1591567.67	402218.03	TREE 11 OAK
151107	1591562.78	402218.88	TREE 14 OAK
151108	1591558.10	402222.35	TREE 9 OAK
151109	1591552.19	402219.81	TREE 11 OAK
151110	1591540.38	402215.90	TREE 11 OAK
151111	1591550.80	402203.44	TREE 13 OAK
151112	1591537.41	402197.02	TREE 13 OAK
151113	1591546.16	402192.34	TREE 13 OAK
151114	1591551.96	402189.91	TREE 11 OAK
151115	1591515.76	402196.49	TREE 10 OAK
151116	1591503.09	402210.46	TREE 18 OAK
151117	1591497.35	402228.39	TREE 9 OAK
151118	1591463.25	402218.19	TREE 10 OAK
151119	1591464.65	402214.00	TREE 15 OAK
151120	1591468.19	402188.46	TREE 13 PALM CABBAGE
151121	1591477.27	402180.58	TREE 14 OAK
151122	1591477.91	402166.96	TREE 11 OAK
151123	1591504.37	402134.77	TREE 10 OAK
151124	1591537.72	402116.09	TREE 13 OAK
151125	1591547.32	402140.13	TREE 14 OAK
151126	1591557.00	402141.78	TREE 19 OAK
151127	1591553.28	402150.63	TREE 12 OAK
151128	1591558.28	402145.68	TREE 8 OAK
151129	1591583.06	402122.29	TREE 13 OAK
151130	1591629.80	402131.85	TREE 14 OAK
151131	1591593.20	402167.69	TREE 14 OAK
151132	1591619.73	402215.75	TREE 13 OAK
151133	1591646.15	402233.33	TREE 14 OAK
151134	1591658.45	402207.31	TREE 15 OAK
151135	1591675.86	402187.17	TREE 14 OAK
151136	1591673.87	402189.60	TREE 8 OAK
151137	1591693.85	402179.44	TREE 12 OAK
151138	1591698.56	402171.62	TREE 12 OAK
151139	1591696.52	402169.13	TREE 13 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
151140	1591714.76	402152.62	TREE 18 OAK
151141	1591728.54	402158.35	TREE 12 OAK
151142	1591726.96	402159.26	TREE 9 OAK
151143	1591740.15	402155.19	TREE 11 OAK
151144	1591744.09	402153.35	TREE 16 OAK
151145	1591737.12	402167.38	TREE 12 OAK
151146	1591733.92	402172.92	TREE 11 OAK
151147	1591733.03	402175.82	TREE 17 OAK
151148	1591713.32	402182.56	TREE 21 OAK
151149	1591735.46	402201.36	TREE 12 OAK
151150	1591732.50	402203.67	TREE 12 OAK
151151	1591735.25	402204.14	TREE 8 OAK
151152	1591733.15	402206.68	TREE 11 OAK
151153	1591736.74	402212.38	TREE 9 OAK
151154	1591737.95	402221.52	TREE 8 OAK
151155	1591701.68	402204.30	TREE 15 OAK
151156	1591703.62	402208.22	TREE 13 OAK
151157	1591695.90	402206.56	TREE 10 OAK
151158	1591647.31	402232.52	TREE 13 OAK
151159	1591678.88	402253.23	TREE 9 OAK
151160	1591680.67	402256.48	TREE 8 OAK
151161	1591675.43	402275.75	TREE 13 OAK
151162	1591680.28	402269.47	TREE 15 OAK
151163	1591683.92	402273.38	TREE 13 OAK
151164	1591682.68	402320.88	TREE 15 OAK
151165	1591725.88	402319.15	TREE 13 OAK
151166	1591689.00	402389.61	TREE 16 OAK
151167	1591657.28	402385.86	TREE 8 OAK
151168	1591689.14	402391.53	TREE 15 OAK
151169	1591741.20	402493.41	TREE 19 OAK
151170	1591743.60	402494.36	TREE 17 OAK
151171	1591794.29	402143.72	TREE 23 OAK
151172	1591794.68	402153.76	TREE 9 OAK
151173	1591789.91	402171.51	TREE 30 OAK
151174	1591795.75	402195.27	TREE 23 OAK
151175	1591793.81	402209.34	TREE 16 OAK
151176	1591775.20	402234.38	TREE 30 OAK
151177	1591791.76	402267.50	TREE 13 OAK
151178	1591796.22	402268.65	TREE 18 OAK
151179	1591795.58	402286.41	TREE 8 OAK
151180	1591798.54	402295.60	TREE 9 OAK
151181	1591804.49	402318.85	TREE 14 OAK
151182	1591823.28	402241.84	TREE 33 OAK
151183	1591881.22	402228.29	TREE 9 OAK
151184	1591974.66	402206.20	TREE 11 OAK
151185	1591989.70	402201.08	TREE 17 OAK
151188	1591794.09	402495.02	TREE 21 OAK
151189	1591790.31	402504.12	TREE 14 PALM CABBAGE
151190	1591805.14	402511.79	TREE 14 OAK
151191	1591789.21	402515.90	TREE 13 PALM CABBAGE
151192	1591787.15	402521.40	TREE 14 PALM CABBAGE
151193	1591733.29	402538.54	TREE 8 OAK
151194	1591807.06	402634.83	TREE 10 OAK
151195	1591788.94	402647.67	TREE 17 OAK
151196	1591848.71	402669.27	TREE 12 OAK
151197	1591843.11	402700.61	TREE 17 PINE
151198	1591842.02	402661.52	TREE 11 OAK
151199	1591839.12	402660.50	TREE 9 OAK
151200	1591841.88	402651.39	TREE 9 OAK
151201	1591843.35	402650.32	TREE 15 OAK
151202	1591858.55	402668.55	TREE 8 OAK
151203	1591867.42	402670.80	TREE 11 OAK
151204	1591826.60	402617.80	TREE 10 PINE
151205	1591844.32	402592.16	TREE 15 OAK
151206	1591845.60	402590.55	TREE 11 OAK
151207	1591846.38	402577.18	TREE 13 OAK
151208	1591824.06	402582.33	TREE 13 PALM CABBAGE
151209	1591823.96	402577.65	TREE 12 OAK
151210	1591825.23	402573.60	TREE 14 OAK
151211	1591815.70	402572.89	TREE 13 OAK
151212	1591818.68	402569.55	TREE 14 OAK
151213	1591797.88	402559.05	TREE 30 OAK
151214	1591833.09	402555.25	TREE 21 OAK
151215	1591835.04	402551.17	TREE 15 OAK
151216	1591829.45	402542.54	TREE 17 OAK
151217	1591837.53	402540.00	TREE 12 OAK
151218	1591845.50	402538.39	TREE 23 OAK
151219	1591843.70	402544.93	TREE 12 OAK
151220	1591848.33	402543.62	TREE 14 OAK
151221	1591844.89	402545.71	TREE 21 OAK
151222	1591770.58	402555.09	TREE 13 OAK
151223	1591834.22	402649.70	TREE 15 OAK
151224	1591875.74	402728.11	TREE 8 PINE
151225	1591869.49	402732.18	TREE 12 PINE
151226	1591860.38	402735.67	TREE 9 PINE
151227	1591844.63	402742.15	TREE 9 PINE
151228	1591839.12	402743.73	TREE 9 PINE
151229	1591830.66	402746.14	TREE 8 PINE
151230	1591830.08	402754.83	TREE 11 PINE
151231	1591809.27	402778.92	TREE 8 PINE

Tree Table			
Point #	Northing	Easting	Raw Description
151232	1591793.19	402794.73	TREE 20 OAK
151233	1591792.42	402801.21	TREE 13 OAK
151234	1591793.76	402802.39	TREE 9 OAK
151235	1591814.97	402797.59	TREE 14 PINE
151236	1591815.15	402813.16	TREE 13 PINE
151237	1591808.34	402815.73	TREE 11 PINE
151238	1591797.57	402817.52	TREE 8 OAK
151239	1591806.47	402829.96	TREE 12 PINE
151240	1591770.44	402867.17	TREE 15 PINE
151241	1591775.51	402866.72	TREE 16 PINE
151242	1591805.20	402851.58	TREE 18 PINE
151243	1591801.27	402877.95	TREE 14 PINE
151244	1591782.41	402873.52	TREE 8 OAK
151245	1591809.92	402860.77	TREE 14 OAK
151246	1591823.90	402868.61	TREE 17 PINE
151247	1591836.63	402860.16	TREE 16 PINE
151248	1591853.65	402878.66	TREE 17 PINE
151249	1591842.96	402901.20	TREE 18 PINE
151250	1591867.24	402912.32	TREE 21 PINE
151251	1591858.89	402886.00	TREE 15 OAK
151252	1591876.81	402878.37	TREE 23 PINE
151253	1591857.93	402859.45	TREE 17 OAK
151254	1591883.52	402846.58	TREE 14 PINE
151255	1591891.08	402846.39	TREE 16 PINE
151256	1591890.26	402838.84	TREE 8 PINE
151257	1591892.90	402815.94	TREE 15 PINE
151258	1591877.82	402789.76	TREE 8 PINE
151259	1591879.79	402782.85	TREE 27 OAK
151260	1591899.79	402765.15	TREE 15 PINE
151261	1591870.18	402768.94	TREE 21 PINE
151262	1591850.42	402779.57	TREE 17 PINE
151263	1591842.76	402778.93	TREE 14 PINE
151264	1591891.19	402799.77	TREE 17 PINE
151265	1591930.79	402821.71	TREE 9 PINE
151266	1591932.53	402804.17	TREE 15 PINE
151267	1591924.36	402867.17	TREE 18 PINE
151268	1591904.40	402848.70	TREE 11 PINE
151269	1591901.14	402851.66	TREE 11 PINE
151270	1591918.37	402895.87	TREE 17 PINE
151271	1591925.90	402896.22	TREE 15 PINE
151272	1591905.48	402922.45	TREE 18 PINE
151273	1591879.59	402927.09	TREE 17 PINE
151274	1591868.94	402929.06	TREE 21 PINE
151275	1591865.24	402934.30	TREE 15 OAK
151276	1591851.25	402959.86	TREE 29 PINE
151277	1591816.44	402951.89	TREE 15 OAK
151278	1591812.59	402949.79	TREE 15 PINE
151279	1591816.05	402962.70	TREE 18 PINE
151280	1591793.22	402956.55	TREE 15 PINE
151281	1591830.47	402979.19	TREE 13 PINE
151282	1591832.54	402980.57	TREE 8 PINE
151283	1591840.59	402989.81	TREE 13 PINE
151284	1591842.40	403006.97	TREE 15 PINE
151285	1591850.46	403001.12	TREE 8 PINE
151286	1591852.67	403000.97	TREE 10 PINE
151287	1591880.47	402974.24	TREE 18 PINE
151288	1591886.66	402976.41	TREE 13 PINE
151289	1591890.61	402979.71	TREE 13 PINE
151290	1591881.16	402993.88	TREE 12 PINE
151291	1591898.77	402998.38	TREE 10 PINE
151292	1591910.11	402904.13	TREE 10 PINE
151293	1591941.59	402915.39	TREE 8 PINE
151294	1591942.09	402918.41	TREE 18 PINE
151295	1591936.76	402933.53	TREE 15 PINE
151296	1591946.31	402933.22	TREE 16 PINE
151297	1591985.34	402961.77	TREE 23 PINE
151298	1592019.99	402964.85	TREE 8 OAK
151299	1592037.25	403015.44	TREE 15 PINE
151300	1592023.40	403032.35	TREE 17 OAK
151301	1592025.78	403061.44	TREE 14 PINE
151302	1592051.74	403078.65	TREE 15 PINE
151303	1592020.66	403097.98	TREE 14 PINE
151304	1591998.18	403112.89	TREE 11 PINE
151305	1591995.32	403125.50	TREE 11 PINE
151306	1592058.13	403150.46	TREE 17 OAK
151307	1592063.14	403230.12	TREE 10 PINE
151308	1592091.17	403261.85	TREE 15 PINE
151309	1592071.46	403102.76	TREE 18 PINE
151310	1591984.74	402913.08	TREE 13 OAK
151311	1591949.15	402878.65	TREE 18 PINE
151312	1591954.02	402843.32	TREE 8 PINE
151313	1591791.72	403389.20	TREE 17 OAK
151314	1591772.42	403400.31	TREE 16 OAK
151315	1591770.98	403382.70	TREE 15 BIRCH
151316	1591776.42	403375.03	TREE 14 PINE
151317	1591768.38	403379.85	TREE 28 PINE
151370	1592110.15	402979.43	TREE 44 BIRCH
151371	1592099.59	402983.06	TREE 14 BIRCH
151372	1592098.24	402983.82	TREE 12 BIRCH
151373	1592093.85	402973.46	TREE 8 BIRCH

Tree Table			
Point #	Northing	Easting	Raw Description
151374	1592085.27	402976.26	TREE 8 BIRCH
151375	1592084.47	402980.52	TREE 15 BIRCH
151376	1592080.29	402999.04	TREE 9 BIRCH
151377	1592111.48	403002.52	TREE 12 BIRCH
151378	1592087.20	403041.68	TREE 44 BIRCH
151379	1592095.11	402960.89	TREE 13 PALM CABBAGE
151380	1592088.27	402958.54	TREE 21 PINE
151381	1592034.28	402920.28	TREE 13 PINE
151382	1592049.22	402908.88	TREE 13 PINE
151383	1592044.12	402906.90	TREE 11 PINE
151384	1592057.54	402904.22	TREE 8 BIRCH
151385	1592075.17	402889.49	TREE 17 PINE
151386	1592075.25	402885.39	TREE 16 PINE
151387	1592034.37	402896.59	TREE 12 PINE
151388	1592021.65	402901.40	TREE 8 PINE
151389	1592015.36	402898.01	TREE 8 PINE
151390	1591996.80	402875.04	TREE 11 PINE
151391	1592013.84	402878.91	TREE 15 BIRCH
151392	1592041.96	402859.83	TREE 17 PINE
151393	1592043.91	402850.21	TREE 16 PINE
151394	1592047.96	402849.46	TREE 14 PINE
151395	1592052.66	402862.38	TREE 13 PINE
151396	1592038.18	402841.30	TREE 15 PINE
151397	1592074.36	402848.32	TREE 13 PINE
151398	1592079.84	402830.82	TREE 13 PINE
151399	1592069.59	402829.57	TREE 8 PINE
151400	1592070.02	402833.56	TREE 12 PINE
151401	1592055.78	402838.39	TREE 13 PINE
151402	1592056.77	402831.32	TREE 15 PINE
151403	1592064.16	402815.00	TREE 13 PINE
151404	1592067.50	402812.50	TREE 12 PINE
151405	1592072.50	402817.12	TREE 9 PINE
151406	1592101.66	402825.15	TREE 17 PALM CABBAGE
151407	1592101.69	402820.45	TREE 17 PINE
151408	1592077.58	402808.06	TREE 19 PALM CABBAGE
151409	1592049.10	402818.81	TREE 16 PINE
151410	1592038.75	402818.81	TREE 16 PINE
151411	1592028.92	402822.41	TREE 9 PINE
151412	1592057.29	402806.14	TREE 16 PINE
151413	1592007.08	402838.73	TREE 12 PINE
151414	1591993.96	402846.73	TREE 9 PINE
151415	1591989.93	402836.43	TREE 13 PINE
151416	1591980.60	402840.29	TREE 9 PINE
151417	1591998.97	402823.00	TREE 8 PINE
151418	1591998.99	402809.93	TREE 12 PINE
151419	1591969.58	402818.19	TREE 13 PINE
151420	1591987.51	402798.83	TREE 10 PINE
151422	1591985.48	402802.72	TREE 9 PINE
151423	1591968.10	402806.47	TREE 8 PINE
151424	1591962.74	402791.89	TREE 12 PINE
151425	1591967.45	402782.51	TREE 9 PINE
151426	1592005.89	402776.37	TREE 15 OAK
151427	1592007.52	402772.51	TREE 17 OAK
151428	1592075.59	402778.64	TREE 20 PALM CABBAGE
151429	1592053.01	402760.05	TREE 22 OAK
151430	1592070.04	402748.14	TREE 8 BIRCH
151431	1592078.56	402752.45	TREE 13 OAK
151432	1592076.77	402743.10	TREE 29 OAK
151433	1592064.32	402734.30	TREE 27 OAK
151434	1592051.02	402744.73	TREE 13 OAK
151435	1592076.09	402677.25	TREE 15 PINE
151436	1592084.28	402659.30	TREE 9 OAK
151437	1592058.91	402652.51	TREE 16 OAK
151438	1592068.65	402644.63	TREE 15 OAK
151439	1592048.42	402636.90	TREE 14 OAK
151440	1592035.28	402642.28	TREE 12 OAK
151441	1592036.04	402645.53	TREE 17 OAK
151442	1592048.17	402612.94	TREE 27 OAK
151443	1592067.26	402604.14	TREE 21 PINE
151444	1592072.14	402601.84	TREE 11 OAK
151445	1592008.08	402640.57	TREE 36 OAK
151446	1592014.97	402650.96	TREE 14 PINE
151447	1592014.76	402658.40	TREE 25 OAK
151448	1592008.86	402653.98	TREE 16 PALM CABBAGE
151449	1592003.01	402668.69	TREE 14 OAK
151450	1591997.58	402672.74	TREE 14 OAK
151451	1592000.47	402682.60	TREE 12 PINE
151452	1591990.58	402650.09	TREE 15 PINE
151453	1591982.74	402641.04	TREE 13 OAK
151454	1591950.06	402696.13	TREE 11 OAK
151455	1591928.68	402695.51	TREE 8 OAK
151456	1591930.24	402707.54	TREE 29 PINE
151457	1591928.87	402737.93	TREE 21 PINE
151458	1591962.34	402434.34	TREE 21 OAK
151459	1591993.93	402442.86	TREE 20 OAK
151460	1592038.32	402431.75	TREE 17 PINE
151461	1592038.45	402404.18	TREE 15 OAK
151462	1592038.89	402468.12	TREE 32 OAK
151463	1592061.45	402462.62	TREE 21 OAK
151464	1591996.34	402495.82	TREE 17 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
151465	1592000.31	402511.90	TREE 31 OAK
151466	1592005.35	402523.10	TREE 20 OAK
151467	1592014.93	402521.36	TREE 17 PALM CABBAGE
151468	1591975.38	402505.40	TREE 15 OAK
151469	1591978.36	402518.34	TREE 34 OAK
151470	1591973.51	402512.93	TREE 34 OAK
151471	1592007.26	402556.66	TREE 30 OAK
151472	1592026.13	402566.90	TREE 14 PALM CABBAGE
151473	1591974.31	402576.21	TREE 15 OAK
151474	1591985.15	402383.92	TREE 17 PALM CABBAGE
151475	1591988.34	402379.22	TREE 39 OAK
151476	1592020.95	402376.67	TREE 17 PINE
151477	1591982.72	402332.06	TREE 54 OAK
151478	1592069.65	402349.33	TREE 24 OAK
151479	1592070.52	402331.26	TREE 14 PALM
151480	1592075.60	402403.07	TREE 8 PINE
151481	1592075.48	402561.77	TREE 31 OAK
151482	1592089.23	402581.66	TREE 17 PINE
151483	1592086.13	402574.50	TREE 16 OAK
151484	1591896.83	402311.08	TREE 11 OAK
151485	1591889.55	402298.54	TREE 9 OAK
151486	1591962.42	402285.07	TREE 15 BIRCH
151487	1591984.34	402280.13	TREE 11 OAK
151488	1591938.35	402353.16	TREE 12 OAK
151489	1591934.08	402370.64	TREE 11 OAK
151490	1591876.33	402400.22	TREE 8 OAK
151491	1591855.97	402417.75	TREE 13 OAK
151492	1591851.95	402418.08	TREE 14 OAK
151493	1591850.87	402421.88	TREE 9 OAK
151494	1591837.27	402394.87	TREE 12 PINE
151495	1591813.06	402440.58	TREE 14 PINE
151496	1591823.28	402460.15	TREE 9 PINE
151497	1591822.58	402452.19	TREE 11 PINE
151498	1591821.91	402370.99	TREE 16 OAK
151499	1591843.54	402341.48	TREE 13 PALM
151500	1591860.67	402339.04	TREE 17 PALM CABBAGE
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Tree Table

Point #	Northing	Easting	Raw Description
151743	1588541.24	402436.76	TREE 8 OAK
151744	1588530.75	402458.92	TREE 11 OAK
151745	1588535.26	402460.24	TREE 17 OAK
151746	1588552.93	402479.23	TREE 8 OAK
151747	1588558.10	402478.59	TREE 13 OAK
151748	1588577.92	402472.91	TREE 11 OAK
151749	1588598.58	402475.72	TREE 17 OAK
151750	1588581.01	402493.73	TREE 11 OAK
151751	1588570.52	402516.65	TREE 12 OAK
151752	1588565.86	402516.16	TREE 11 OAK
151753	1588551.09	402519.66	TREE 12 OAK
151754	1588576.70	402511.79	TREE 8 OAK
151755	1588573.62	402519.36	TREE 8 OAK
151756	1588586.87	402534.82	TREE 11 OAK
151757	1588614.80	402480.21	TREE 13 OAK
151758	1588615.89	402489.01	TREE 8 OAK
151759	1588642.67	402500.37	TREE 12 OAK
151760	1588645.52	402501.60	TREE 14 OAK
151761	1588645.93	402503.87	TREE 11 OAK
151762	1588661.24	402505.65	TREE 18 OAK
151763	1588698.75	402523.97	TREE 24 OAK
151764	1588721.83	402540.64	TREE 18 OAK
151765	1588740.84	402524.67	TREE 25 OAK
151766	1588737.37	402508.74	TREE 24 OAK
151767	1588750.30	402484.52	TREE 24 OAK
151768	1588757.17	402493.91	TREE 19 OAK
151769	1588760.70	402507.50	TREE 13 OAK
151770	1588756.68	402524.77	TREE 11 OAK
151771	1588792.22	402515.92	TREE 26 OAK
151772	1588807.39	402496.37	TREE 13 OAK
151773	1588816.58	402491.79	TREE 36 OAK
151774	1588787.68	402492.89	TREE 10 OAK
151775	1588814.23	402520.67	TREE 21 OAK
151776	1588757.78	402538.97	TREE 13 OAK
151777	1588760.79	402543.94	TREE 11 OAK
151778	1588762.04	402544.84	TREE 8 OAK
151779	1588766.87	402554.06	TREE 17 OAK
151780	1588779.72	402559.93	TREE 16 OAK
151781	1588779.93	402574.27	TREE 15 OAK
151782	1588784.80	402575.68	TREE 20 OAK
151783	1588763.56	402570.98	TREE 15 OAK
151784	1588743.52	402557.39	TREE 23 OAK
151785	1588739.44	402562.52	TREE 18 OAK
151786	1588719.64	402558.49	TREE 13 OAK
151787	1588722.25	402574.42	TREE 12 OAK
151788	1588704.28	402575.65	TREE 22 OAK
151789	1588694.12	402580.61	TREE 17 OAK
151790	1588683.66	402587.80	TREE 20 PALM
151791	1588678.94	402591.96	TREE 12 OAK
151792	1588671.22	402608.64	TREE 11 OAK
151793	1588651.55	402632.38	TREE 14 PINE
151794	1588654.98	402633.78	TREE 25 OAK
151795	1588677.27	402636.81	TREE 18 OAK
151796	1588690.15	402634.08	TREE 14 OAK
151797	1588696.47	402631.39	TREE 14 OAK
151798	1588697.69	402640.85	TREE 21 OAK
151801	1588464.50	402697.97	TREE 13 OAK
151802	1588442.50	402712.00	TREE 15 OAK
151803	1588449.99	402717.69	TREE 10 OAK
151804	1588460.27	402645.72	TREE 11 OAK
151805	1588414.63	402622.66	TREE 10 OAK
151806	1588432.25	402591.53	TREE 21 OAK
151807	1588444.22	402599.98	TREE 13 OAK
151808	1588436.22	402573.04	TREE 9 OAK
151809	1588452.05	402557.17	TREE 13 OAK
151810	1588429.27	402533.55	TREE 10 OAK
151811	1588413.82	402569.56	TREE 8 OAK
151812	1588389.27	402545.18	TREE 13 OAK
151813	1588426.91	402490.55	TREE 10 OAK
151814	1588414.27	402460.46	TREE 12 OAK
151815	1588405.40	402460.04	TREE 12 OAK
151816	1588412.58	402316.56	TREE 19 OAK
151817	1588414.46	402289.49	TREE 14 OAK
151818	1588425.77	402223.67	TREE 14 PALM CABBAGE
151819	1588400.94	402171.13	TREE 18 OAK
151820	1588406.40	402167.44	TREE 14 OAK
151821	1588416.21	402107.46	TREE 8 OAK
151822	1588422.34	402094.79	TREE 12 OAK
151823	1588404.52	402034.92	TREE 31 OAK
151824	1588402.36	402049.46	TREE 8 OAK
151825	1588396.06	402044.15	TREE 19 OAK
151826	1588396.87	402048.60	TREE 12 OAK
151827	1588431.75	402045.44	TREE 14 OAK
151828	1588443.25	402037.44	TREE 11 OAK
151829	1588453.52	402048.09	TREE 17 OAK
151830	1588469.00	402037.73	TREE 15 OAK
151831	1588475.88	402042.97	TREE 16 OAK
151832	1588484.95	402062.03	TREE 34 OAK
151833	1588459.82	402064.22	TREE 14 OAK
151834	1588487.48	402132.99	TREE 14 OAK

Tree Table

Point #	Northing	Easting	Raw Description
151835	1588514.98	402068.65	TREE 15 OAK
151836	1588517.46	402061.96	TREE 12 OAK
151837	1588511.41	402037.62	TREE 11 OAK
151838	1588575.27	402040.22	TREE 12 OAK
151839	1588563.58	402087.49	TREE 42 OAK
151840	1588556.96	402100.79	TREE 37 OAK
151841	1588580.56	402123.88	TREE 13 OAK
151842	1588602.06	402121.06	TREE 23 OAK
151843	1588604.66	402128.02	TREE 13 OAK
151844	1588544.45	402134.03	TREE 8 OAK
151845	1588563.89	402143.91	TREE 33 OAK
151846	1588546.72	402155.37	TREE 14 OAK
151847	1588555.00	402172.90	TREE 15 OAK
151848	1588547.35	402182.14	TREE 13 OAK
151849	1588511.38	402198.17	TREE 13 OAK
151850	1588557.79	402192.81	TREE 10 OAK
151851	1588561.83	402193.38	TREE 14 OAK
151852	1588560.99	402195.05	TREE 13 OAK
151853	1588566.47	402195.47	TREE 12 OAK
151854	1588568.38	402212.91	TREE 26 OAK
151855	1588575.04	402223.23	TREE 8 OAK
151856	1588603.11	402211.27	TREE 25 OAK
151857	1588606.50	402219.83	TREE 21 OAK
151858	1588603.19	402166.00	TREE 12 OAK
151859	1588617.38	402140.24	TREE 31 OAK
151860	1588616.81	402179.31	TREE 8 OAK
151861	1588631.82	402179.10	TREE 14 OAK
151862	1588654.68	402174.17	TREE 24 OAK
151863	1588658.74	402160.08	TREE 31 OAK
151864	1588660.49	402164.41	TREE 8 OAK
151865	1588671.64	402149.04	TREE 8 OAK
151866	1588684.59	402162.54	TREE 9 OAK
151867	1588679.06	402195.38	TREE 16 OAK
151868	1588674.68	402206.71	TREE 17 OAK
151869	1588674.68	402204.11	TREE 22 OAK
151870	1588653.11	402327.42	TREE 8 OAK
151871	1588654.27	402206.55	TREE 13 OAK
151872	1588641.71	402232.79	TREE 18 OAK
151873	1588617.49	402237.92	TREE 13 OAK
151875	1588588.27	402263.53	TREE 12 OAK
151876	1588584.71	402288.11	TREE 8 OAK
151877	1588574.88	402264.59	TREE 8 OAK
151878	1588557.22	402276.45	TREE 14 OAK
151879	1588558.76	402276.77	TREE 8 OAK
151880	1588539.70	402287.25	TREE 17 PALM CABBAGE
151881	1588524.56	402297.05	TREE 13 OAK
151882	1588506.76	402314.38	TREE 10 OAK
151883	1588504.51	402290.53	TREE 14 OAK
151884	1588516.46	402246.71	TREE 13 OAK
151885	1588522.82	402241.71	TREE 14 OAK
151886	1588554.55	402286.80	TREE 8 OAK
151887	1588548.56	402294.80	TREE 12 OAK
151888	1588556.75	402309.07	TREE 8 OAK
151889	1588542.16	402315.93	TREE 10 OAK
151890	1588565.58	402310.05	TREE 12 OAK
151891	1588568.09	402294.89	TREE 8 OAK
151892	1588600.88	402282.54	TREE 21 PINE
151893	1588607.49	402288.44	TREE 12 OAK
151894	1588609.18	402291.82	TREE 24 OAK
151895	1588605.29	402294.52	TREE 13 OAK
151896	1588609.26	402295.13	TREE 13 OAK
151897	1588619.66	402284.10	TREE 11 OAK
151898	1588612.56	402281.83	TREE 12 OAK
151899	1588621.06	402291.56	TREE 12 OAK
151900	1588616.10	402308.51	TREE 14 OAK
151901	1588608.28	402304.52	TREE 12 OAK
151902	1588630.07	402317.15	TREE 15 OAK
151903	1588659.89	402314.91	TREE 21 OAK
151904	1588691.12	402299.51	TREE 12 OAK
151905	1588701.97	402288.36	TREE 12 OAK
151906	1588694.99	402277.08	TREE 24 OAK
151907	1588694.14	402273.08	TREE 24 OAK
151908	1588681.23	402274.11	TREE 8 OAK
151909	1588538.46	402211.18	TREE 12 OAK
151910	1588587.22	402251.87	TREE 8 OAK
151911	1588554.13	402332.55	TREE 8 OAK
151912	1588583.06	402349.67	TREE 8 OAK
151913	1588585.19	402327.42	TREE 8 OAK
151914	1588582.98	402320.61	TREE 12 OAK
151915	1588587.78	402325.39	TREE 8 OAK
151916	1588588.10	402371.62	TREE 8 OAK
151917	1588604.02	402363.18	TREE 8 PINE
151918	1588595.21	402382.70	TREE 8 OAK
151919	1588619.76	402386.35	TREE 15 OAK
151920	1588656.10	402405.06	TREE 24 OAK
151921	1588678.43	402368.84	TREE 24 OAK
151922	1588680.22	402358.58	TREE 13 OAK
151923	1588697.82	402343.12	TREE 17 OAK
151924	1588692.68	402330.75	TREE 13 OAK
151925	1588700.46	402326.63	TREE 26 OAK
151926	1588705.81	402320.45	TREE 14 OAK

Tree Table

Point #	Northing	Easting	Raw Description
151927	1588709.30	402316.72	TREE 18 OAK
151928	1588704.84	402314.28	TREE 8 OAK
151929	1588705.07	402310.32	TREE 24 OAK
151930	1588727.03	402315.30	TREE 8 OAK
151931	1588744.69	402317.84	TREE 11 OAK
151932	1588752.30	402328.78	TREE 15 OAK
151933	1588759.10	402320.39	TREE 30 PINE
151934	1588767.68	402305.12	TREE 12 OAK
151935	1588760.31	402339.59	TREE 14 OAK
151936	1588772.59	402350.83	TREE 9 OAK
151937	1588785.64	402361.96	TREE 8 OAK
151938	1588791.26	402367.88	TREE 8 OAK
151939	1588760.13	402366.97	TREE 9 OAK
151940	1588755.85	402375.97	TREE 14 OAK
151941	1588753.21	402382.84	TREE 15 OAK
151942	1588755.32	402382.98	TREE 14 OAK
151943	1588731.64	402369.96	TREE 28 OAK
151944	1588714.31	402389.53	TREE 13 OAK
151945	1588749.24	402402.13	TREE 24 OAK
151946	1588785.54	402412.59	TREE 20 OAK
151947	1588785.66	402421.44	TREE 12 OAK
151948	1588789.43	402422.96	TREE 14 OAK
151949	1588765.41	402432.72	TREE 19 OAK
151950	1588754.43	402426.29	TREE 19 OAK
151951	1588731.31	402425.96	TREE 14 OAK
151952	1588727.22	402426.44	TREE 15 OAK
151953	1588728.27	402433.11	TREE 14 OAK
151954	1588696.72	402410.20	TREE 14 OAK
151955	1588692.37	402443.36	TREE 12 OAK
151956	1588678.99	402418.16	TREE 16 OAK
151957	1588675.92	402419.41	TREE 21 OAK
151958	1588668.36	402429.26	TREE 29 OAK
151959	1588657.31	402461.50	TREE 29 OAK
151960	1588667.72	402461.79	TREE 29 OAK
151961	1588684.81	402485.50	TREE 21 OAK
151962	1588693.74	402492.72	TREE 14 OAK
151963	1588705.06	402464.80	TREE 14 PINE
151964	1588708.63	402453.67	TREE 15 OAK
151965	1588708.22	402451.57	TREE 11 OAK
151966	1588723.62	402452.65	TREE 15 OAK
151967	1588743.56	402450.63	TREE 12 OAK
151968	1588740.03	402448.28	TREE 14 OAK
151969	1588756.26	402443.97	TREE 19 OAK
151970	1588777.58	402439.02	TREE 14 OAK
151971	1588777.94	402445.53	TREE 23 OAK
151972	1588784.89	402442.59	TREE 15 OAK
151973	1588785.84	402429.36	TREE 19 OAK
151974	1588805.90	402430.11	TREE 15 OAK
151975	1588807.72	402440.26	TREE 36 OAK
151976	1588808.29	402455.21	TREE 9 OAK
151977	1588815.33	402456.17	TREE 9 OAK
151978	1588802.67	402459.06	TREE 18 OAK
151979	1588801.08	402472.34	TREE 8 OAK
151980	1588809.55	402479.70	TREE 14 OAK
151981	1588800.65	402473.80	TREE 9 OAK
151982	1588766.53	402484.81	TREE 21 OAK
151983	1588761.86	402466.20	TREE 19 OAK
151984	1588736.73	402463.86	TREE 15 OAK
151985	1588733.74	402474.40	TREE 18 OAK
151986	1588616.40	402453.40	TREE 8 OAK
151987	1588601.51	402468.52	TREE 28 OAK
151988	1588583.93	402432.67	TREE 19 OAK
151989	1588584.58	402420.63	TREE 22 OAK
151990	1588560.84	402385.88	TREE 32 OAK
151991	1588564.14	402371.60	TREE 8 OAK
151992	1588555.46	402373.33	TREE 14 OAK
151993	1588542.80	402378.62	TREE 12 OAK
151994	1588492.58	402238.96	TREE 10 OAK
151995	1588502.95	402247.54	TREE 9 OAK
151998	1588524.77	402663.96	TREE 8 OAK
151999	1588594.71	402711.14	TREE 8 OAK
152000	1588604.39	402683.80	TREE 12 OAK
152001	1588600.86	402638.32	TREE 8 OAK
152002	1588592.44	402607.28	TREE 10 OAK
152003	1588564.82	402635.54	TREE 8 OAK
152004	1588538.96	402615.79	TREE 33 OAK
152005	1588628.02	402589.35	TREE 34 OAK
152006	1588649.71	402546.48	TREE 26 OAK
152007	1588663.99	402550.34	TREE 24 OAK
152008	1588643.40	402528.29	TREE 33 OAK
152009	1588637.35	402539.67	TREE 11 OAK
152010	1588666.02	402574.42	TREE 25 OAK
152011	1588672.35	402579.68	TREE 13 OAK
152012	1588679.02	402570.16	TREE 25 OAK
152013	1588690.02	402565.88	TREE 15 OAK
152014	1588691.48	402629.70	TREE 16 OAK
152015	1588699.60	402609.83	TREE 20 OAK
152016	1588710.13	402611.11	TREE 14 OAK
152017	1588723.43	402625.13	TREE 15 OAK
152018	1588721.26	402628.59	TREE 10 OAK

Tree Table

Point #	Northing	Easting	Raw Description
152019	1588731.23	402634.06	TREE 15 OAK
152020	1588733.51	402622.72	TREE 13 OAK
152021	1588737.44	402617.72	TREE 13 OAK
152022	1588728.69	402608.32	TREE 14 OAK
152023	1588739.99	402609.32	TREE 14 OAK
152024	1588758.12	402610.46	TREE 13 OAK
152025	1588761.21	402602.18	TREE 16 OAK
152026	1588761.62	402592.28	TREE 13 OAK
152027	1588754.17	402581.79	TREE 13 OAK
152028	1588778.24	402585.98	TREE 13 OAK
152029	1588734.44	402585.20	TREE 19 OAK
152030	1588747.11	402636.13	TREE 13 OAK
152031	1588754.14	402642.94	TREE 12 OAK
152032	1588757.04	402652.99	TREE 14 OAK
152033	1588754.74	402661.57	TREE 15 OAK
152034	1588770.51	402648.80	TREE 8 OAK
152035	1588774.94	402648.80	TREE 9 OAK
152036	1588769.68	402633.29	TREE 14 OAK
152037	1588794.86	402647.68	TREE 21 OAK
152038	1588789.46	402638.38	TREE 8 OAK
152039	1588790.42	402628.26	TREE 13 OAK
152040	1588792.64	402630.26	TREE 8 OAK
152041	1588793.39	402627.63	TREE 13 OAK
152042	1588783.37	402627.82	TREE 10 OAK
152043	1588776.13	402617.02	TREE 14 OAK
152044	1588786.26	402611.92	TREE 21 OAK
152045	1588805.42	402627.45	TREE 8 OAK
152046	1588802.42	402631.93	TREE 8 OAK
152047	1588815.72	402628.36	TREE 13 OAK
152048	1588813.80	402621.69	TREE 12 OAK
152049	1588825.68	402643.62	TREE 12 OAK
152050	1588838.81	402644.51	TREE 9 OAK
152051	1588850.06	402613.64	TREE 19 OAK
152052	1588845.50	402593.04	TREE 15 OAK
152053	1588838.04	402573.06	TREE 20 OAK
152054	1588849.32	402561.39	TREE 25 PINE
152055	1588848.39	402561.60	TREE 19 OAK
152056	1588836.69	402546.58	TREE 14 OAK
152057	1588832.33	402539.16	TREE 21 OAK
152058	1588828.29	402533.66	TREE 24 PINE
152059	1588795.00	402556.88	TREE 19 OAK
152060	1588713.70	402650.07	TREE 25 OAK
152061	1588701.79	402654.85	TREE 14 OAK
152062	1588732.89	402670.43	TREE 9 OAK
152063	1588732.38	402677.83	TREE 24 OAK
152064	1588740.32	402681.33	TREE 14 OAK
152065	1588740.01	402696.50	TREE 14 OAK
152066	1588732.68	402698.70	TREE 13 OAK
152067	1588728.65	402700.38	TREE 13 OAK
152068	1588726.98	402714.38	TREE 24 OAK
152069	1588750.79	402712.33	TREE 19 OAK
152070	1588757.98	402717.77	TREE 8 OAK
152071	1588767.79	402705.30	TREE 15 OAK
152072	1588775.82	402705.26	TREE 13 OAK
152073	1588783.41	402682.04	TREE 23 OAK
152074	1588779.88	402673.64	TREE 13 OAK
152075	1588770.13	402681.40	TREE 9 OAK
152076	1588765.20	402682.00	TREE 9 OAK
152077	1588760.12	402685.24	TREE 14 OAK
152078	1588782.36	402662.81	TREE 9 OAK
152079	1588797.84	402662.57	TREE 8 OAK
152080	1588812.68	402657.37	TREE 12 OAK
152081	1588820.66	402670.42	TREE 9 OAK
152082	1588826.71	402670.04	TREE 29 OAK
152083	1588814.76	402682.93	TREE 17 OAK
152084	1588792.65	402684.46	TREE 11 OAK
152085	1588810.17	402700.74	TREE 12 OAK
152086	1588817.85	402706.59	TREE 11 OAK
152087	1588802.20	402705.24	TREE 13 OAK
152088	1588813.64	402716.22	TREE 21 OAK
152089	1588784.10	402722.02	TREE 25 OAK
152090	1588800.64	402732.02	TREE 21 OAK
152091	1588795.46	402745.85	TREE 11 OAK
152092	1588800.75	402746.62	TREE 13 OAK
152093	1588784.79	402755.03	TREE 29 OAK
152094	1588782.71	402776.36	TREE 24 OAK
152095	1588792.26	402778.26	TREE 22 OAK
152096	1588800.71	402808.32	TREE 21 OAK
152097	1588800.75	402815.90	TREE 19 OAK
152098	1588776.23	402828.26	TREE 25 OAK
152099	1588756.77	402813.50	TREE 24 OAK
152100	1588752.01	402753.75	TREE 24 OAK
152101	1588755.87	402758.32	TREE 31 OAK
152102	1588757.88	402767.35	TREE 13 OAK
152103	1588727.23	402749.14	TREE 16 OAK
152104	1588723.93	402748.23	TREE 12 OAK
152105	1588711.57	402722.68	TREE 43 OAK
152106	1588628.76	402688.36	TREE 25 OAK
152107	1588633.60	402705.11	TREE 15 OAK
152108	1588653.01	402717.11	TREE 12 OAK

Tree Table

Point #	Northing	Easting	Raw Description
152109	1588625.08	402726.92	TREE 11 OAK
152110	1588621.33	402734.65	TREE 12 OAK
152113	1588595.20	402761.49	TREE 10 OAK
152114	1588598.85	402774.73	TREE 10 OAK
152115	1588582.96	402780.81	TREE 11 OAK
152116	1588590.14	402816.91	TREE 10 OAK
152117	1588567.88	402818.49	TREE 10 OAK
152118	1588553.84	402799.24	TREE 12 OAK
152119	1588578.70	402829.28	TREE 11 OAK
152120	1588529.05	402833.60	TREE 8 OAK
152121	1588584.29	402829.31	TREE 13 OAK
152122	1588598.06	402819.11	TREE 13 OAK
152123	1588605.15	402846.10	TREE 13 OAK
152124	1588615.18	402863.40	TREE 8 OAK
152125	1588603.54	402876.00	TREE 10 OAK
152126	1588625.52	402826.33	TREE 10 OAK
152127	1588626.39	402824.50	TREE 8 OAK
152128	1588640.78	402823.57	TREE 8 OAK
152129	1588656.19	402810.44	TREE 13 OAK
152130	1588636.03	402789.14	TREE 10 OAK
152131	1588624.44	402808.07	TREE 8 OAK
152132	1588613.19	402788.59	TREE 15 OAK
152133	1588626.50	402775.48	TREE 15 OAK
152134	1588648.35	402753.03	TREE 14 OAK
152135	1588699.21	402744.50	TREE 8 OAK
152136	1588720.15	402811.57	TREE 36 OAK
152137	1588712.13	402816.01	TREE 13 OAK
152138	1588744.25	402825.46	TREE 29 OAK
152139	1588747.76	402827.38	TREE 13 OAK
152140	1588751.98	402827.98	TREE 15 OAK
152141	1588731.53	402852.29	TREE 16 OAK
152142	1588718.55	402863.59	TREE 19 PINE
152143	1588704.25	402862.27	TREE 15 PINE
152144	1588705.62	402867.03	TREE 8 OAK
152145	1588710.50	402879.43	TREE 26 OAK
152146	1588728.61	402891.83	TREE 16 PINE
152147	1588752.11	402891.04	TREE 26 OAK
152148	1588755.45	402877.82	TREE 26 OAK
152149	1588760.09	402875.45	TREE 10 OAK
152150	1588763.76	402882.68	TREE 8 OAK
152151	1588761.90	402888.21	TREE 13 OAK
152152	1588796.32	402850.92	TREE 15 PALM CABBAGE
152153	1588808.85	402847.43	TREE 30 PINE
152154	1588699.92	402831.90	TREE 13 OAK
152155	1588681.60	402833.60	TREE 26 OAK
152156	1588684.82	402811.14	TREE 8 OAK
152157	1588655.12	402778.53	TREE 11 OAK
152158	1588690.19	402879.65	TREE 18 OAK
152159	1588684.31	402907.43	TREE 17 OAK
152160	1588681.21	402906.58	TREE 14 OAK
152161	1588728.54	402916.25	TREE 10 OAK
152162	1588736.84	402922.91	TREE 10 OAK
152163	1588718.59	402945.52	TREE 10 OAK
152164	1588716.27	402950.39	TREE 21 PINE
152165	1588675.06	402942.95	TREE 17 OAK
152166	1588674.08	402946.68	TREE 22 OAK
152167	1588668.41	402948.54	TREE 12 OAK
152168	1588671.64	402932.67	TREE 8 OAK
152169	1588579.46	402928.21	TREE 8 OAK
152170	1588531.11	402929.69	TREE 14 OAK
152171	1588532.86	402946.03	TREE 13 OAK
152172	1588548.63	402952.92	TREE 13 OAK
152173	1588561.40	402973.70	TREE 8 OAK
152174	1588514.97	403012.42	TREE 15 OAK
152175	1588500.66	403033.07	TREE 12 OAK
152176	1588485.62	403028.78	TREE 8 OAK
152177	1588464.79	403038.44	TREE 8 OAK
152178	1588428.97	403031.42	TREE 11 OAK
152179	1588406.53	403042.38	TREE 8 OAK
152180	1588433.47	403060.11	TREE 11 OAK
152181	1588412.02	403112.23	TREE 15 PALM
152182	1588418.86	403135.82	TREE 14 OAK
152183	1588409.73	403132.13	TREE 8 OAK
152184	1588407.14	403129.27	TREE 15 OAK
152185	1588403.22	403153.72	TREE 12 OAK
152186	1588435.88	403164.68	TREE 12 OAK
152187	1588447.24	403158.72	TREE 11 OAK
152188	1588459.79	403132.38	TREE 10 OAK
152189	1588394.38	403100.00	TREE 11 OAK
152190	1588424.99	402954.90	TREE 8 OAK
152191	1588434.17	402952.99	TREE 9 OAK
152192	1588422.60	402927.08	TREE 14 OAK
152193	1588462.73	402937.28	TREE 29 OAK
152194	1588472.79	402925.24	TREE 8 OAK
152195	1588475.81	402924.76	TREE 11 OAK
152196	1588501.08	402952.73	TREE 10 OAK
152197	1588497.00	402902.33	TREE 13 OAK
152198	1588501.27	402900.64	TREE 10 OAK
152199	1588518.10	402869.78	TREE 8 OAK
152200	1588425.59	402889.80	TREE 11 OAK

Tree Table

Point #	Northing	Easting	Raw Description
152201	1588388.74	402852.41	TREE 12 OAK
152202	1588384.22	402821.34	TREE 12 OAK
152203	1588373.68	402789.98	TREE 8 OAK
152204	1588367.86	402744.93	TREE 15 OAK
152205	1588311.55	402745.38	TREE 14 OAK
152206	1588314.91	402740.74	TREE 12 OAK
152207	1588315.26	402734.20	TREE 12 OAK
152208	1588294.48	402730.50	TREE 10 OAK
152209	1588292.49	402719.20	TREE 10 OAK
152210	1588287.26	402656.14	TREE 16 OAK
152211	1588304.67	402657.04	TREE 10 OAK
152212	1588345.46	402645.22	TREE 10 OAK
152213	1588386.65	402636.50	TREE 8 OAK
152214	1588388.13	402651.27	TREE 8 OAK
152215	1588319.00	402634.38	TREE 8 OAK
152216	1588322.94	402586.82	TREE 11 OAK
152217	1588302.86	402570.67	TREE 12 OAK
152218	1588274.36	402579.18	TREE 11 OAK
152219	1588262.33	402613.14	TREE 8 OAK
152220	1588263.48	402786.40	TREE 14 OAK
152221	1588275.70	402806.19	TREE 8 OAK
152222	1588283.13	402795.48	TREE 12 OAK
152223	1588286.31	402817.23	TREE 11 OAK
152224	1588305.16	402802.36	TREE 15 OAK
152225	1588322.43	402812.63	TREE 13 OAK
152226	1588325.41	402813.41	TREE 8 OAK
152227	1588325.74	402857.53	TREE 11 OAK
152228	1588285.02	402913.91	TREE 14 PALM
152229	1588233.35	402894.29	TREE 19 OAK
152230	1588208.62	402960.99	TREE 8 OAK
152231	1588210.02	402865.68	TREE 8 OAK
152232	1588228.11	402778.97	TREE 15 OAK
152233	1588198.80	402802.13	TREE 13 OAK
152234	1588206.46	402784.57	TREE 15 OAK
152235	1588203.70	402782.59	TREE 14 OAK
152236	1588208.04	402762.17	TREE 10 OAK
152237	1588202.22	402748.37	TREE 8 OAK
152238	1588227.65	402730.67	TREE 10 OAK
152239	1588187.08	402733.73	TREE 36 OAK
152240	1588186.20	402712.92	TREE 8 OAK
152241	1588190.24	402665.30	TREE

Tree Table			
Point #	Northing	Easting	Raw Description
152475	1587994.42	402167.52	TREE 8 OAK
152476	1588000.77	402157.12	TREE 22 OAK
152477	1587990.36	402139.47	TREE 24 OAK
152478	1587989.50	402136.64	TREE 10 OAK
152479	1587958.80	402115.15	TREE 8 OAK
152480	1587961.31	402097.85	TREE 17 OAK
152481	1587962.37	402093.03	TREE 14 OAK
152482	1587977.45	402064.65	TREE 24 OAK
152483	1587976.30	402058.78	TREE 12 OAK
152484	1587984.56	402061.82	TREE 15 OAK
152485	1587979.23	402059.01	TREE 26 OAK
152486	1587978.82	402054.06	TREE 23 OAK
152487	1587981.23	402051.32	TREE 14 PALM
152488	1587988.73	402038.20	TREE 24 OAK
152489	1587992.06	402035.52	TREE 13 OAK
152490	1588008.44	402032.53	TREE 15 OAK
152491	1588010.68	402032.64	TREE 8 OAK
152492	1588033.08	402043.03	TREE 24 OAK
152493	1588005.96	402088.47	TREE 21 OAK
152494	1587920.87	402292.71	TREE 11 OAK
152495	1587915.88	402294.79	TREE 11 OAK
152496	1587917.52	402299.81	TREE 12 OAK
152497	1587917.82	402295.99	TREE 10 PINE
152498	1587926.83	402311.18	TREE 10 OAK
152499	1587921.39	402324.25	TREE 11 OAK
152500	1587941.65	402343.77	TREE 15 OAK
152503	1588076.46	402190.54	TREE 13 OAK
152504	1588076.17	402192.56	TREE 8 OAK
152505	1588084.96	402185.28	TREE 14 OAK
152506	1588092.60	402190.78	TREE 15 OAK
152507	1588111.86	402165.96	TREE 13 OAK
152508	1588107.75	402165.18	TREE 13 OAK
152509	1588085.12	402159.87	TREE 15 OAK
152510	1588084.60	402153.22	TREE 8 OAK
152511	1588083.12	402145.83	TREE 10 OAK
152512	1588083.67	402141.02	TREE 20 OAK
152513	1588085.79	402140.74	TREE 9 OAK
152514	1588084.68	402137.01	TREE 11 OAK
152515	1588062.13	402111.69	TREE 9 OAK
152516	1588061.13	402113.24	TREE 22 OAK
152517	1588082.44	402112.35	TREE 25 OAK
152518	1588063.33	402092.73	TREE 17 OAK
152519	1588057.33	402095.74	TREE 12 OAK
152520	1588073.22	402088.21	TREE 12 OAK
152521	1588067.70	402087.09	TREE 14 OAK
152522	1588072.12	402055.85	TREE 14 OAK
152523	1588082.49	402063.64	TREE 25 OAK
152524	1588095.03	402086.12	TREE 12 PINE
152525	1588107.11	402088.86	TREE 11 OAK
152526	1588110.25	402086.55	TREE 8 OAK
152527	1588122.90	402085.30	TREE 19 OAK
152528	1588133.03	402033.29	TREE 10 OAK
152529	1588130.94	402084.02	TREE 10 OAK
152530	1588149.01	402065.40	TREE 25 OAK
152531	1588156.58	402092.48	TREE 9 OAK
152532	1588132.16	402093.26	TREE 8 OAK
152533	1588134.37	402103.91	TREE 8 OAK
152534	1588121.14	402116.41	TREE 8 OAK
152535	1588125.40	402115.43	TREE 21 OAK
152536	1588112.44	402131.35	TREE 8 OAK
152537	1588109.44	402139.81	TREE 13 OAK
152538	1588128.97	402145.78	TREE 18 OAK
152539	1588127.71	402141.72	TREE 8 OAK
152540	1588135.42	402144.29	TREE 14 OAK
152541	1588140.36	402163.41	TREE 17 OAK
152542	1588144.14	402220.45	TREE 25 OAK
152543	1588162.59	402164.51	TREE 13 OAK
152544	1588167.55	402166.48	TREE 28 OAK
152545	1588183.15	402140.50	TREE 13 OAK
152546	1588221.88	402129.27	TREE 15 OAK
152547	1588235.08	402115.80	TREE 15 OAK
152548	1588247.78	402112.56	TREE 22 PINE
152549	1588252.50	402111.68	TREE 14 OAK
152550	1588259.20	402093.31	TREE 14 OAK
152551	1588269.04	402090.23	TREE 24 PINE
152552	1588273.75	402046.02	TREE 8 OAK
152553	1588279.35	402052.04	TREE 14 PINE
152554	1588264.59	402035.39	TREE 14 OAK
152555	1588273.73	402033.76	TREE 10 PINE
152556	1588288.87	402033.53	TREE 13 PINE
152557	1588289.62	402035.16	TREE 15 PINE
152558	1588250.00	402037.23	TREE 10 OAK
152559	1588236.05	402037.97	TREE 13 OAK
152560	1588215.02	402031.99	TREE 12 PINE
152561	1588207.95	402031.19	TREE 13 PINE
152562	1588208.33	402039.51	TREE 15 OAK
152563	1588219.67	402061.18	TREE 21 PINE
152564	1588209.32	402086.26	TREE 14 OAK
152565	1588235.50	402094.16	TREE 13 OAK
152566	1588188.47	402077.67	TREE 15 PINE

Tree Table			
Point #	Northing	Easting	Raw Description
152567	1588180.13	402083.90	TREE 17 OAK
152568	1588304.95	402031.44	TREE 13 PINE
152569	1588311.61	402037.87	TREE 15 OAK
152570	1588305.12	402064.78	TREE 14 OAK
152571	1588309.04	402066.19	TREE 29 OAK
152572	1588313.44	402101.92	TREE 24 OAK
152573	1588306.01	402116.24	TREE 15 OAK
152574	1588314.62	402141.88	TREE 14 OAK
152575	1588302.51	402158.51	TREE 19 OAK
152576	1588307.53	402170.71	TREE 26 OAK
152577	1588311.43	402170.71	TREE 16 OAK
152578	1588276.84	402162.08	TREE 24 OAK
152579	1588269.90	402200.20	TREE 15 PINE
152580	1588282.06	402217.79	TREE 13 OAK
152581	1588322.20	402205.40	TREE 8 OAK
152582	1588332.46	402136.79	TREE 13 OAK
152583	1588246.52	402154.87	TREE 8 PINE
152584	1588237.36	402150.66	TREE 8 OAK
152585	1588233.10	402167.73	TREE 11 OAK
152586	1588243.64	402194.97	TREE 8 PINE
152587	1588227.50	402210.25	TREE 16 PINE
152588	1588242.99	402256.37	TREE 15 OAK
152589	1588263.23	402244.74	TREE 13 OAK
152590	1588045.17	402300.20	TREE 8 OAK
152591	1588056.58	402306.25	TREE 15 OAK
152592	1588063.90	402331.71	TREE 17 OAK
152593	1588044.06	402328.82	TREE 14 OAK
152594	1588043.11	402334.67	TREE 13 OAK
152595	1588036.87	402315.05	TREE 22 OAK
152596	1588027.10	402302.53	TREE 12 OAK
152597	1588021.15	402269.20	TREE 10 OAK
152598	1587993.96	402294.88	TREE 14 PINE
152599	1587972.27	402382.85	TREE 8 OAK
152600	1587983.12	402383.48	TREE 8 OAK
152601	1587983.94	402385.66	TREE 25 OAK
152602	1587989.18	402391.71	TREE 10 OAK
152603	1588003.54	402410.80	TREE 21 OAK
152604	1587997.58	402446.92	TREE 8 OAK
152605	1587995.70	402449.53	TREE 10 OAK
152606	1587998.04	402490.19	TREE 8 OAK
152607	1588101.97	403132.93	TREE 17 OAK
152608	1588088.80	403108.42	TREE 15 OAK
152609	1588078.10	403116.44	TREE 14 OAK
152610	1588041.38	403081.16	TREE 20 OAK
152611	1588047.78	403056.17	TREE 9 OAK
152612	1588079.54	403175.48	TREE 10 OAK
152613	1588049.73	403188.07	TREE 21 OAK
152614	1588052.46	403187.66	TREE 13 OAK
152615	1588027.83	403225.63	TREE 8 OAK
152616	1588042.95	403235.78	TREE 19 OAK
152617	1588068.40	403255.91	TREE 13 OAK
152618	1588084.56	403253.07	TREE 14 OAK
152619	1588118.70	403215.44	TREE 19 OAK
152620	1588094.02	403266.85	TREE 17 OAK
152621	1588139.33	403248.96	TREE 8 OAK
152622	1588126.61	403276.09	TREE 8 OAK
152623	1588156.17	403279.11	TREE 8 OAK
152624	1588158.25	403245.52	TREE 8 OAK
152625	1588175.80	403239.95	TREE 11 OAK
152626	1588222.63	403288.57	TREE 17 OAK
152627	1588227.18	403271.93	TREE 9 OAK
152628	1588252.59	403276.20	TREE 8 OAK
152629	1588198.59	403183.43	TREE 14 OAK
152630	1587891.51	403060.04	TREE 19 PALM
152631	1587873.47	403043.07	TREE 8 OAK
152632	1587865.56	403036.88	TREE 16 PALM
152633	1587861.26	403039.79	TREE 8 OAK
152634	1587854.48	403029.43	TREE 10 OAK
152635	1587810.98	403026.97	TREE 12 OAK
152636	1587813.24	403013.67	TREE 11 OAK
152637	1587814.93	403007.24	TREE 14 OAK
152638	1587784.60	402975.77	TREE 13 OAK
152641	1589066.29	402637.53	TREE 12 OAK
152642	1589140.05	402568.33	TREE 14 OAK
152643	1589140.68	402523.91	TREE 16 OAK
152644	1589159.96	402531.11	TREE 15 OAK
152645	1589183.92	402528.68	TREE 20 OAK
152646	1589183.72	402531.36	TREE 17 OAK
152647	1589224.16	402562.84	TREE 14 OAK
152648	1589228.48	402567.71	TREE 14 OAK
152649	1589233.23	402567.51	TREE 12 OAK
152650	1589234.11	402571.84	TREE 9 OAK
152651	1589230.14	402578.50	TREE 8 OAK
152652	1589235.50	402577.70	TREE 10 OAK
152653	1589233.41	402592.96	TREE 12 OAK
152654	1589243.43	402572.10	TREE 9 OAK
152655	1589254.59	402562.77	TREE 14 OAK
152656	1589256.34	402564.48	TREE 8 OAK
152657	1589256.42	402566.76	TREE 10 OAK
152658	1589261.06	402569.92	TREE 9 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
152659	1589269.60	402590.11	TREE 12 OAK
152660	1589272.63	402588.89	TREE 8 OAK
152661	1589285.18	402575.31	TREE 9 OAK
152662	1589305.19	402561.61	TREE 14 OAK
152663	1589307.38	402562.91	TREE 14 OAK
152664	1589312.74	402551.42	TREE 14 OAK
152665	1589310.60	402544.82	TREE 14 OAK
152666	1589346.45	402560.18	TREE 17 OAK
152667	1589357.04	402592.45	TREE 10 OAK
152668	1589357.80	402596.85	TREE 22 OAK
152669	1589344.11	402610.16	TREE 17 OAK
152670	1589325.52	402613.02	TREE 23 OAK
152671	1589321.86	402624.58	TREE 8 OAK
152672	1589323.66	402630.63	TREE 27 OAK
152673	1589325.16	402633.26	TREE 12 OAK
152674	1589330.82	402628.91	TREE 25 OAK
152675	1589333.64	402627.58	TREE 11 OAK
152676	1589335.67	402630.13	TREE 30 OAK
152677	1589296.47	402637.05	TREE 9 OAK
152678	1589297.88	402643.55	TREE 56 OAK
152679	1589283.80	402641.90	TREE 23 OAK
152680	1589281.47	402649.51	TREE 20 OAK
152681	1589285.08	402673.06	TREE 19 OAK
152682	1589316.78	402662.06	TREE 26 OAK
152683	1589278.30	402691.56	TREE 30 OAK
152684	1589241.10	402707.65	TREE 36 OAK
152685	1589239.71	402696.60	TREE 21 OAK
152686	1589235.84	402692.75	TREE 42 OAK
152687	1589235.76	402689.68	TREE 28 OAK
152689	1589183.86	402699.23	TREE 15 OAK
152690	1589183.03	402701.36	TREE 33 OAK
152691	1589252.53	402659.09	TREE 23 OAK
152692	1589250.97	402655.10	TREE 20 OAK
152693	1589254.58	402654.52	TREE 22 OAK
152694	1589245.57	402614.72	TREE 23 OAK
152695	1589264.29	402538.06	TREE 14 OAK
152696	1589264.92	402524.03	TREE 15 OAK
152697	1589253.33	402524.86	TREE 9 OAK
152698	1587788.46	402863.44	TREE 15 OAK
152699	1587806.14	402859.24	TREE 13 OAK
152700	1587839.24	402874.27	TREE 12 OAK
152701	1587857.64	402870.07	TREE 11 OAK
152702	1587828.70	402810.72	TREE 14 OAK
152703	1587822.82	402775.68	TREE 15 OAK
152704	1587793.47	402787.15	TREE 8 OAK
152705	1587737.51	402798.34	TREE 11 OAK
152706	1587763.56	402805.95	TREE 12 OAK
152707	1587769.15	402810.91	TREE 11 OAK
152708	1587763.89	402821.54	TREE 11 OAK
152709	1587792.54	402819.75	TREE 11 OAK
152710	1587791.40	402817.72	TREE 10 OAK
152711	1587816.49	402819.19	TREE 9 OAK
152712	1587870.88	402785.27	TREE 8 OAK
152713	1587909.64	402796.60	TREE 10 OAK
152714	1587899.20	402800.33	TREE 8 OAK
152715	1587864.10	402832.22	TREE 12 OAK
152716	1587857.03	402856.27	TREE 8 OAK
152717	1587890.07	402898.08	TREE 15 OAK
152718	1587921.95	402861.96	TREE 12 OAK
152719	1587962.83	402856.95	TREE 13 OAK
152720	1587961.50	402862.51	TREE 12 OAK
152721	1587915.18	402887.93	TREE 8 OAK
152722	1587916.32	402919.00	TREE 15 OAK
152723	1587756.76	402882.91	TREE 39 OAK
152726	1585308.51	403380.88	TREE 17 OAK
152727	1585312.33	403383.47	TREE 17 OAK
152728	1585315.11	403390.31	TREE 9 OAK
152729	1585297.99	403421.13	TREE 24 OAK
152730	1585314.18	403415.54	TREE 24 OAK
152731	1585297.83	403427.43	TREE 12 OAK
152732	1585301.39	403427.01	TREE 8 OAK
152733	1585266.93	403441.16	TREE 16 OAK
152734	1585271.49	403446.85	TREE 17 OAK
152735	1585300.63	403479.43	TREE 12 OAK
152736	1585295.78	403507.31	TREE 20 OAK
152737	1585296.93	403513.14	TREE 17 OAK
152738	1585273.28	403535.36	TREE 15 OAK
152739	1585283.15	403540.46	TREE 17 OAK
152740	1585276.98	403547.02	TREE 8 OAK
152741	1585272.74	403545.09	TREE 28 OAK
152742	1585267.96	403569.70	TREE 28 OAK
152743	1585286.59	403575.14	TREE 14 OAK
152744	1585302.75	403624.92	TREE 24 OAK
152745	1585316.46	403636.00	TREE 14 OAK
152746	1585271.83	403662.66	TREE 14 OAK
152747	1585291.65	403669.98	TREE 13 PALM CABBAGE
152748	1585310.76	403699.06	TREE 36 OAK
152749	1585307.88	403709.59	TREE 16 OAK
152750	1585297.39	403711.82	TREE 14 OAK
152751	1585301.54	403716.52	TREE 14 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
152752	1585302.12	403728.77	TREE 15 OAK
152753	1585345.83	403719.37	TREE 8 OAK
152754	1585360.94	403697.16	TREE 18 OAK
152755	1585363.55	403697.75	TREE 13 OAK
152756	1585365.02	403696.91	TREE 21 OAK
152757	1585291.68	403706.43	TREE 16 OAK
152758	1585276.01	403365.02	TREE 19 OAK
152759	1585334.62	403366.16	TREE 8 OAK
152760	1585338.78	403385.09	TREE 13 OAK
152761	1585347.15	403397.64	TREE 8 OAK
152762	1585338.52	403418.29	TREE 8 OAK
152763	1585338.71	403422.32	TREE 8 OAK
152764	1585377.11	403388.55	TREE 15 OAK
152765	1585381.54	403375.01	TREE 19 OAK
152766	1585381.53	403371.99	TREE 8 OAK
152767	1585390.45	403374.42	TREE 15 OAK
152768	1585386.14	403385.97	TREE 11 OAK
152769	1585402.03	403378.16	TREE 12 OAK
152770	1585392.44	403358.39	TREE 12 OAK
152771	1585458.07	403385.68	TREE 15 OAK
152772	1585462.20	403395.90	TREE 18 PALM CABBAGE
152773	1585493.27	403370.74	TREE 14 OAK
152774	1585448.25	403448.14	TREE 15 OAK
152775	1585427.79	403459.76	TREE 12 OAK
152776	1585429.21	403462.17	TREE 13 OAK
152777	1585431.18	403462.18	TREE 15 OAK
152778	1585425.89	403468.82	TREE 10 OAK
152779	1585436.14	403467.78	TREE 10 OAK
152780	1585422.94	403488.17	TREE 17 OAK
152781	1585469.76	403456.80	TREE 11 OAK
152782	1585494.96	403458.17	TREE 15 OAK
152783	1585500.22	403429.47	TREE 16 OAK
152784	1585520.89	403420.45	TREE 14 OAK
152785	1585532.94	403457.32	TREE 18 OAK
152786	1585561.63	403510.04	TREE 27 OAK
152787	1585513.40	403509.83	TREE 9 OAK
152788	1585508.15	403501.46	TREE 10 OAK
152789	1585500.24	403503.37	TREE 16 OAK
152790	1585495.73	403502.67	TREE 9 OAK
152791	1585494.68	403505.39	TREE 14 OAK
152792	1585493.78	403511.71	TREE 23 OAK
152793	1585481.75	403510.97	TREE 8 OAK
152794	1585484.84	403514.05	TREE 14 OAK
152795	1585480.74	403518.64	TREE 8 OAK
152796	1585486.23	403526.50	TREE 9 OAK
152797	1585491.10	403521.78	TREE 12 OAK
152798	1585492.26	403521.51	TREE 8 OAK
152799	1585496.24	403516.32	TREE 8 OAK
152800	1585501.74	403516.40	TREE 8 OAK
152801	1585506.69	403542.13	TREE 25 OAK
152802	1585513.59	403541.90	TREE 15 OAK
152803	1585507.50	403533.38	TREE 11 OAK
152804	1585522.88	403535.04	TREE 15 OAK
152805	1585471.45	403534.14	TREE 17 OAK
152806	1585462.04	403546.49	TREE 16 OAK
152807	1585582.49	403533.09	TREE 32 OAK
152808	1585570.60	403512.19	TREE 16 OAK
152809	1585576.08	403464.00	TREE 14 OAK
152810	1585581.76	403460.96	TREE 12 OAK
152811	1585597.28	403458.39	TREE 21 OAK
152812	1585596.83	403447.97	TREE 15 OAK
152813	1585581.88	403423.34	TREE 18 OAK
152814	1585615.69	403373.89	TREE 22 OAK
152815	1585582.17	403364.37	TREE 15 OAK
152816	1585571.15	403360.39	TREE 20 OAK
152817	1585564.39	403361.57	TREE 10 OAK
152818	1585566.51	403367.32	TREE 13 OAK
152819	1585555.11	403364.29	TREE 22 OAK
152820	1585684.61	403391.82	TREE 14 OAK
152821	1585686.06	403398.46	TREE 17 OAK
152822	1585690.20	403421.34	TREE 16 OAK
152823	1585709.35	403386.64	TREE 18 OAK
152824	1585716.71	403381.56	TREE 24 OAK
152825	1585771.13	403365.98	TREE 10 OAK
152826	1585772.45	403369.27	TREE 15 OAK
152827	1585774.23	403371.76	TREE 12 OAK
152828	1585778.18	403367.47	TREE 13 OAK
152829	1585771.82	403363.64	TREE 8 OAK
152830	1585815.04	403373.74	TREE 13 OAK
152831	1585804.29	403401.86	TREE 20 OAK
152832	1585788.25	403414.89	TREE 22 PALM CABBAGE
152833	1585763.34	403451.04	TREE 20 OAK
152834	1585760.87	403472.65	TREE 17 PALM CABBAGE
152835	1585786.00	403444.79	TREE 17 PALM CABBAGE
152836	1585818.44	403423.99	TREE 19 OAK
152837	1585841.73	403422.81	TREE 20 OAK
152838	1585843.23	403372.38	TREE 19 OAK
152839	1585883.20	403420.10	TREE 19 PINE
152840	1585873.31	403412.42	TREE 8 OAK
152841	1585913.76	403413.43	TREE 12 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
152842	1585926.93	403393.35	TREE 17 OAK
152843	1585939.92	403418.22	TREE 19 OAK
152844	1585931.91	403423.38	TREE 17 OAK
152845	1585963.11	403377.44	TREE 14 OAK
152846	1585962.63	403401.26	TREE 8 OAK
152847	1585970.06	403406.03	TREE 12 OAK
152848	1585983.31	403416.23	TREE 15 OAK
152849	1585971.58	403430.78	TREE 13 OAK
152850	1585957.15	403437.15	TREE 15 OAK
152851	1586006.10	403399.35	TREE 17 OAK
152852	1586020.01	403394.09	TREE 13 OAK
152853	1586028.80	403392.68	TREE 16 OAK
152854	1586049.68	403377.74	TREE 8 OAK
152855	1586064.50	403386.73	TREE 24 OAK
152856	1586078.91	403393.01	TREE 13 OAK
152857	1586066.64	403399.84	TREE 15 OAK
152858	1586072.41	403401.15	TREE 13 OAK
152862	1585611.24	403575.84	TREE 16 OAK
152863	1585594.16	403577.16	TREE 12 OAK
152864	1585601.10	403533.79	TREE 17 OAK
152865	1585651.56	403499.01	TREE 12 OAK
152866	1585656.18	403456.58	TREE 13 OAK
152867	1585533.16	403638.56	TREE 28 OAK
152868	1585533.42	403662.87	TREE 19 PALM CABBAGE
152869	1585526.75	403669.73	TREE 20 PALM CABBAGE
152870	1585491.13	403626.69	TREE 24 OAK
152871	1585495.83	403627.10	TREE 24 OAK
152872	1585496.52	403621.09	TREE 12 OAK
152873	1585507.11	403620.67	TREE 12 OAK
152874	1585428.15	403624.10	TREE 19 OAK
152875	1585385.86	403632.58	TREE 14 OAK
152876	1585367.03	403660.66	TREE 15 OAK
152877	1585377.70	403667.53	TREE 30 OAK
152878	1585374.29	403669.20	TREE 10 OAK
152879	1585357.83	403677.76	TREE 8 OAK
152880	1585363.96	403567.79	TREE 18 OAK
152881	1585369.12	403568.93	TREE 13 OAK
152882	1585376.47	403542.32	TREE 8 OAK
152883	1585381.72	403540.75	TREE 12 OAK
152884	1585383.19	403544.74	TREE 14 OAK
152885	1585386.34	403541.16	TREE 12 OAK
152886	1585386.13	403545.74	TREE 20 OAK
152887	1585636.90	403671.22	TREE 20 OAK
152888	1585632.86	403741.22	TREE 16 OAK
152889	1585607.17	403748.84	TREE 14 OAK
152890	1585575.36	403777.83	TREE 12 OAK
152891	1585619.54	403813.54	TREE 60 OAK
152892	1585664.14	403784.35	TREE 17 PALM CABBAGE
152893	1585684.06	403777.72	TREE 8 OAK
152894	1585691.57	403769.42	TREE 12 OAK
152895	1585695.43	403764.83	TREE 10 OAK
152896	1585699.21	403780.56	TREE 10 OAK
152897	1585702.22	403777.86	TREE 28 OAK
152898	1585703.83	403787.78	TREE 16 OAK
152899	1585692.88	403823.65	TREE 12 OAK
152900	1585738.78	403826.11	TREE 17 OAK
152901	1585713.64	403790.90	TREE 15 OAK
152902	1585753.98	403731.37	TREE 32 OAK
152903	1585776.86	403700.50	TREE 23 PALM CABBAGE
152904	1585741.72	403644.13	TREE 15 OAK
152905	1585709.10	403691.28	TREE 15 OAK
152906	1585684.60	403662.24	TREE 21 PALM CABBAGE
152907	1585680.08	403636.85	TREE 14 OAK
152908	1585681.60	403599.64	TREE 24 OAK
152909	1585688.04	403567.90	TREE 18 PALM CABBAGE
152911	1585726.46	403611.04	TREE 12 OAK
152912	1585732.43	403602.11	TREE 19 OAK
152913	1585824.00	403642.00	TREE 16 OAK
152914	1585841.65	403631.80	TREE 16 PALM CABBAGE
152915	1585855.92	403637.14	TREE 15 OAK
152916	1585826.57	403574.18	TREE 15 OAK
152917	1585881.29	403556.09	TREE 21 PALM CABBAGE
152918	1585898.02	403538.98	TREE 8 OAK
152919	1585904.55	403538.74	TREE 13 OAK
152920	1585863.76	403511.93	TREE 16 OAK
152921	1585834.04	403507.37	TREE 14 PALM CABBAGE
152922	1585838.05	403511.61	TREE 18 PALM CABBAGE
152923	1585825.34	403478.55	TREE 18 OAK
152924	1585894.34	403451.90	TREE 20 OAK
152925	1585905.68	403455.04	TREE 23 OAK
152926	1585918.59	403465.95	TREE 18 OAK
152927	1585915.10	403446.25	TREE 8 OAK
152928	1585969.77	403482.30	TREE 9 OAK
152929	1585961.27	403482.63	TREE 14 OAK
152930	1585971.02	403493.24	TREE 14 OAK
152931	1585987.18	403487.33	TREE 15 OAK
152932	1585992.30	403491.14	TREE 15 OAK
152933	1586004.90	403465.72	TREE 14 OAK
152934	1586006.18	403451.25	TREE 13 OAK
152935	1585991.19	403448.52	TREE 25 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
152936	1585974.29	403436.15	TREE 10 OAK
152937	1586036.68	403482.70	TREE 14 OAK
152938	1586029.73	403486.10	TREE 8 OAK
152939	1586063.63	403496.47	TREE 15 OAK
152940	1586089.21	403468.13	TREE 30 OAK
152941	1586077.33	403464.60	TREE 14 OAK
152942	1586064.99	403454.82	TREE 13 OAK
152943	1586052.12	403437.77	TREE 13 OAK
152944	1586060.93	403423.21	TREE 8 OAK
152945	1586070.69	403508.17	TREE 9 OAK
152946	1586088.57	403539.90	TREE 24 OAK
152947	1586063.12	403529.48	TREE 11 OAK
152948	1586049.36	403527.16	TREE 14 OAK
152949	1586049.70	403521.78	TREE 14 OAK
152950	1586042.51	403529.25	TREE 8 OAK
152951	1586008.43	403542.16	TREE 15 OAK
152952	1586019.98	403546.76	TREE 13 OAK
152953	1585966.49	403569.72	TREE 14 OAK
152956	1585922.07	403775.97	TREE 14 OAK
152957	1585923.24	403772.66	TREE 12 OAK
152958	1585932.18	403765.52	TREE 13 OAK
152959	1585851.69	403725.07	TREE 16 OAK
152960	1585828.92	403714.97	TREE 16 PALM CABBAGE
152961	1585877.53	403849.97	TREE 13 OAK
152962	1585872.25	403853.17	TREE 13 OAK
152963	1585873.85	403854.98	TREE 9 OAK
152964	1585875.66	403856.00	TREE 13 OAK
152965	1585877.31	403857.00	TREE 12 OAK
152966	1585866.56	403851.24	TREE 11 OAK
152967	1585862.53	403856.77	TREE 15 OAK
152968	1585859.10	403859.54	TREE 10 OAK
152969	1585867.30	403860.12	TREE 8 OAK
152970	1585871.93	403861.26	TREE 10 OAK
152971	1585881.83	403885.23	TREE 8 OAK
152972	1585890.13	403880.34	TREE 16 OAK
152973	1585891.28	403885.47	TREE 13 OAK
152974	1585902.12	403862.75	TREE 18 OAK
152975	1585905.12	403861.89	TREE 19 OAK
152976	1585925.21

Tree Table			
Point #	Northing	Easting	Raw Description
153210	1585577.23	404150.23	TREE 10 OAK
153211	1585578.35	404151.76	TREE 10 OAK
153212	1585585.56	404141.79	TREE 21 OAK
153213	1585588.74	404138.49	TREE 15 OAK
153214	1585598.87	404143.47	TREE 19 OAK
153215	1585595.62	404146.77	TREE 14 OAK
153216	1585604.94	404166.09	TREE 15 OAK
153217	1585595.88	404168.34	TREE 50 OAK
153218	1585638.96	404170.09	TREE 19 OAK
153219	1585659.51	404141.43	TREE 27 OAK
153220	1585653.95	404133.75	TREE 10 OAK
153221	1585658.46	404132.00	TREE 10 OAK
153222	1585672.94	404170.30	TREE 14 OAK
153223	1585706.15	404136.03	TREE 15 OAK
153224	1585709.06	404134.63	TREE 10 OAK
153225	1585710.69	404137.19	TREE 8 OAK
153226	1585712.60	404128.02	TREE 9 OAK
153227	1585709.85	404127.32	TREE 13 OAK
153228	1585703.74	404117.08	TREE 33 OAK
153229	1585704.29	404108.53	TREE 13 OAK
153230	1585719.01	404105.66	TREE 11 OAK
153231	1585726.59	404122.60	TREE 13 OAK
153232	1585729.19	404087.26	TREE 26 OAK
153233	1585687.52	404071.08	TREE 13 OAK
153234	1585670.55	404045.98	TREE 18 PALM CABBAGE
153235	1585642.77	404052.47	TREE 25 OAK
153236	1585614.22	404089.48	TREE 14 OAK
153237	1585592.15	404056.55	TREE 20 OAK
153238	1585469.51	404243.64	TREE 18 OAK
153239	1585360.72	404222.51	TREE 35 OAK
153240	1585333.01	404234.52	TREE 23 OAK
153241	1585295.44	404228.32	TREE 28 OAK
153242	1585299.03	404237.29	TREE 13 OAK
153243	1585294.39	404190.98	TREE 36 OAK
153244	1585301.85	404178.54	TREE 13 OAK
153245	1585309.98	404178.22	TREE 13 OAK
153246	1585274.19	404162.91	TREE 14 OAK
153247	1585245.23	404237.35	TREE 23 OAK
153248	1585268.22	404257.91	TREE 13 OAK
153249	1585281.32	404263.28	TREE 8 OAK
153250	1585271.97	404266.50	TREE 8 OAK
153251	1585271.99	404264.80	TREE 12 OAK
153252	1585262.26	404273.13	TREE 11 OAK
153253	1585241.44	404294.05	TREE 26 OAK
153254	1585282.13	404275.26	TREE 12 OAK
153255	1585292.13	404289.85	TREE 19 PALM CABBAGE
153256	1585291.04	404314.95	TREE 15 OAK
153257	1585293.70	404350.42	TREE 21 OAK
153258	1585238.10	404322.23	TREE 9 OAK
153259	1585312.77	404278.45	TREE 8 OAK
153260	1585331.15	404277.65	TREE 13 OAK
153261	1585337.56	404281.91	TREE 13 OAK
153262	1585342.08	404281.64	TREE 14 OAK
153263	1585340.70	404273.10	TREE 15 OAK
153264	1585334.41	404266.46	TREE 14 OAK
153265	1585333.42	404263.11	TREE 22 OAK
153266	1585333.66	404258.59	TREE 12 OAK
153267	1585329.60	404261.05	TREE 14 OAK
153268	1585327.80	404257.34	TREE 21 OAK
153269	1585319.53	404266.43	TREE 8 OAK
153270	1585345.18	404358.87	TREE 15 OAK
153271	1585386.89	404359.41	TREE 19 OAK
153272	1585408.81	404382.36	TREE 14 OAK
153273	1585469.67	404345.57	TREE 19 PALM CABBAGE
153274	1585564.41	404323.46	TREE 19 OAK
153275	1585592.35	404359.10	TREE 23 PALM CABBAGE
153276	1585626.83	404240.06	TREE 18 OAK
153277	1585567.45	404207.32	TREE 17 OAK
153278	1585558.53	404206.50	TREE 10 OAK
153279	1585639.28	404238.77	TREE 18 OAK
153280	1585639.87	404233.90	TREE 9 OAK
153281	1585644.12	404235.31	TREE 24 OAK
153282	1585647.13	404228.81	TREE 17 OAK
153283	1585658.23	404223.09	TREE 15 OAK
153284	1585670.39	404197.54	TREE 15 OAK
153285	1585695.80	404194.86	TREE 15 OAK
153286	1585726.97	404230.04	TREE 33 OAK
153287	1585778.98	404201.29	TREE 42 OAK
153288	1585772.61	404241.03	TREE 14 OAK
153289	1585768.07	404268.94	TREE 14 OAK
153290	1585713.91	404303.86	TREE 15 OAK
153291	1585698.86	404325.48	TREE 19 OAK
153292	1585794.19	404301.53	TREE 24 OAK
153293	1585823.99	404296.61	TREE 16 PALM CABBAGE
153294	1585836.24	404279.12	TREE 22 OAK
153295	1585954.06	404272.12	TREE 28 OAK
153296	1585988.64	404246.30	TREE 23 OAK
153297	1585999.96	404258.02	TREE 11 OAK
153298	1586046.02	404265.39	TREE 15 OAK
153299	1586069.97	404261.54	TREE 20 PALM CABBAGE

Tree Table			
Point #	Northing	Easting	Raw Description
153300	1586089.78	404292.05	TREE 24 OAK
153301	1586068.22	404235.81	TREE 18 OAK
153302	1586062.79	404208.44	TREE 14 OAK
153303	1586045.57	404217.68	TREE 21 PALM
153304	1586043.04	404220.25	TREE 15 PALM
153305	1586120.41	404199.58	TREE 13 OAK
153306	1586121.91	404192.51	TREE 20 PALM CABBAGE
153307	1586124.89	404193.29	TREE 18 PALM CABBAGE
153308	1586168.69	404217.88	TREE 48 OAK
153309	1586137.65	404278.05	TREE 21 OAK
153310	1586112.19	404275.87	TREE 12 OAK
153311	1586169.57	404279.78	TREE 18 PALM CABBAGE
153312	1586169.71	404259.66	TREE 15 PALM CABBAGE
153313	1586193.88	404248.12	TREE 15 PALM CABBAGE
153314	1586195.46	404250.91	TREE 14 PALM CABBAGE
153315	1586195.97	404249.95	TREE 14 PALM CABBAGE
153316	1586197.34	404251.91	TREE 16 PALM CABBAGE
153317	1586200.90	404261.66	TREE 19 PALM CABBAGE
153318	1586165.37	404312.94	TREE 15 PALM CABBAGE
153319	1586219.22	404329.86	TREE 24 OAK
153320	1586225.59	404306.42	TREE 14 OAK
153321	1586225.53	404348.76	TREE 14 PALM CABBAGE
153322	1586222.76	404349.94	TREE 20 PALM CABBAGE
153323	1586227.26	404352.32	TREE 19 PALM CABBAGE
153324	1586232.84	404349.99	TREE 11 OAK
153325	1586192.01	404397.98	TREE 16 PALM CABBAGE
153326	1586187.19	404397.12	TREE 15 PALM CABBAGE
153327	1586185.95	404398.07	TREE 17 PALM CABBAGE
153328	1586184.23	404397.83	TREE 17 PALM CABBAGE
153329	1586181.49	404398.58	TREE 17 PALM CABBAGE
153330	1586185.09	404421.05	TREE 26 OAK
153331	1586189.99	404401.19	TREE 15 PALM CABBAGE
153332	1586188.53	404400.34	TREE 15 PALM CABBAGE
153333	1586167.15	404392.17	TREE 22 OAK
153334	1586149.01	404415.26	TREE 15 OAK
153335	1586263.90	404410.27	TREE 16 OAK
153336	1586295.55	404367.04	TREE 13 OAK
153337	1586325.16	404351.05	TREE 17 OAK
153338	1586280.28	404262.10	TREE 14 PALM CABBAGE
153339	1586277.92	404260.85	TREE 16 PALM CABBAGE
153340	1586197.93	404196.14	TREE 24 OAK
153341	1586135.23	404163.55	TREE 19 OAK
153342	1586152.97	404104.81	TREE 20 PALM CABBAGE
153343	1586173.94	404095.32	TREE 22 OAK
153344	1586200.88	404124.63	TREE 22 OAK
153345	1586221.33	404022.04	TREE 17 OAK
153346	1586250.91	404051.93	TREE 18 OAK
153347	1586280.59	404108.66	TREE 30 OAK
153348	1586248.81	404159.06	TREE 36 OAK
153349	1586251.30	404159.76	TREE 10 OAK
153350	1586283.48	404154.09	TREE 12 OAK
153351	1586291.19	404159.37	TREE 15 PALM CABBAGE
153352	1586292.92	404153.66	TREE 15 PALM CABBAGE
153353	1586295.98	404155.37	TREE 15 PALM CABBAGE
153354	1586306.69	404161.01	TREE 16 PALM CABBAGE
153355	1586318.54	404135.28	TREE 9 OAK
153356	1586321.88	404134.98	TREE 14 OAK
153357	1586323.94	404137.42	TREE 13 OAK
153358	1586328.10	404136.72	TREE 14 OAK
153359	1586330.42	404132.77	TREE 14 OAK
153360	1586334.15	404134.16	TREE 17 OAK
153361	1586335.95	404143.12	TREE 14 OAK
153362	1586339.37	404137.53	TREE 12 OAK
153363	1586342.44	404140.42	TREE 13 OAK
153364	1586368.88	404124.51	TREE 27 OAK
153365	1586396.11	404140.65	TREE 27 OAK
153366	1586452.74	404164.87	TREE 12 OAK
153367	1586457.59	404165.58	TREE 11 OAK
153368	1586457.29	404161.97	TREE 8 OAK
153369	1586452.93	404169.42	TREE 10 OAK
153370	1586450.14	404179.57	TREE 12 OAK
153371	1586443.52	404183.63	TREE 22 OAK
153372	1586445.49	404200.52	TREE 8 OAK
153373	1586429.65	404197.29	TREE 8 OAK
153374	1586424.10	404174.54	TREE 8 OAK
153375	1586429.34	404172.40	TREE 9 OAK
153376	1586398.89	404184.17	TREE 17 PALM CABBAGE
153377	1586408.18	404204.76	TREE 24 OAK
153378	1586419.15	404247.27	TREE 17 OAK
153379	1586443.98	404292.85	TREE 31 OAK
153380	1586439.57	404350.19	TREE 12 OAK
153381	1586375.27	404287.97	TREE 18 OAK
153382	1586320.44	404408.80	TREE 17 OAK
153383	1586345.89	404408.12	TREE 11 OAK
153384	1586373.88	404385.80	TREE 10 OAK
153385	1586367.61	404362.24	TREE 15 OAK
153386	1586375.23	404384.01	TREE 13 OAK
153387	1586359.33	404369.91	TREE 8 OAK
153388	1586322.64	404362.24	TREE 12 PALM CABBAGE
153389	1586008.21	404419.63	TREE 19 OAK

Tree Table			
Point #	Northing	Easting	Raw Description
153390	1585976.05	404439.80	TREE 31 OAK
153391	1585991.70	404441.91	TREE 21 OAK
153392	1585882.07	404456.95	TREE 19 OAK
153393	1585872.72	404456.64	TREE 16 PALM CABBAGE
153394	1585795.51	404447.45	TREE 14 OAK
153395	1585789.14	404421.29	TREE 22 OAK
153396	1585761.14	404403.48	TREE 21 PALM CABBAGE
153397	1585763.69	404402.49	TREE 16 PALM CABBAGE
153398	1585743.22	404390.77	TREE 19 OAK
153399	1585712.02	404357.49	TREE 20 PALM CABBAGE
153400	1585612.73	404387.68	TREE 19 OAK
153401	1585593.27	404360.90	TREE 18 PALM CABBAGE
153402	1585535.33	404441.80	TREE 20 PALM CABBAGE
153403	1585364.73	404420.02	TREE 25 OAK
153406	1585513.62	404475.52	TREE 18 OAK
153407	1585474.50	404482.41	TREE 15 OAK
153408	1585469.51	404474.80	TREE 12 OAK
153409	1585449.87	404490.13	TREE 10 OAK
153410	1585465.34	404504.25	TREE 13 OAK
153411	1585443.57	404503.52	TREE 14 OAK
153412	1585442.86	404485.71	TREE 12 OAK
153413	1585723.15	404556.40	TREE 15 OAK
153414	1585746.30	404549.90	TREE 17 OAK
153415	1585753.10	404544.02	TREE 15 PALM
153416	1585750.02	404542.84	TREE 17 PALM
153417	1585789.69	404515.79	TREE 19 PALM
153418	1585772.60	404482.15	TREE 16 OAK
153419	1585784.71	404453.88	TREE 21 OAK
153420	1585756.26	404451.70	TREE 17 PALM CABBAGE
153421	1585760.22	404408.48	TREE 16 PALM CABBAGE
153422	1585826.56	404362.89	TREE 14 OAK
153423	1585828.49	404362.11	TREE 14 OAK
153424	1585879.03	404358.96	TREE 13 OAK
153425	1585877.32	404373.19	TREE 17 PALM CABBAGE
153426	1585872.36	404372.48	TREE 15 OAK
153427	1585889.56	404486.29	TREE 18 OAK
153428	1585871.94	404485.72	TREE 18 PALM CABBAGE
153429	1585869.78	404488.34	TREE 16 PALM CABBAGE
153430	1585868.31	404481.55	TREE 20 PALM CABBAGE
153431	1585848.92	404549.98	TREE 15 PALM CABBAGE
153432	1585851.40	404546.20	TREE 12 OAK
153433	1585857.18	404555.76	TREE 20 OAK
153434	1585829.61	404566.49	TREE 14 OAK
153435	1585797.79	404562.92	TREE 15 OAK
153436	1585893.80	404528.52	TREE 24 OAK
153437	1585909.09	404529.50	TREE 14 PALM
153438	1585913.26	404527.76	TREE 19 PALM
153439	1585984.35	404531.43	TREE 52 OAK
153440	1585992.82	404495.27	TREE 18 PALM
153441	1585958.88	404471.80	TREE 17 PALM CABBAGE
153442	1586058.93	404517.46	TREE 20 PALM CABBAGE
153443	1586079.83	404516.85	TREE 20 PALM CABBAGE
153444	1586277.80	404437.78	TREE 21 OAK
153445	1586433.51	404487.72	TREE 18 PALM CABBAGE
153446	1586411.33	404540.06	TREE 18 OAK
153447	1586379.84	404513.15	TREE 22 OAK
153448	1586018.30	405867.96	TREE 25 OAK
153449	1586020.79	405864.79	TREE 17 OAK
153450	1586039.22	405854.67	TREE 15 OAK
153451	1586029.82	405832.59	TREE 18 OAK
153452	1586030.11	405830.88	TREE 19 OAK
153453	1586040.25	405827.90	TREE 10 OAK
153454	1586025.88	405818.23	TREE 12 OAK
153455	1586052.79	405852.73	TREE 16 PALM CABBAGE
153456	1586020.00	405798.93	TREE 15 OAK
153457	1585997.73	405834.59	TREE 15 OAK
153458	1585964.26	405808.54	TREE 18 PALM CABBAGE
153459	1586116.77	405839.11	TREE 17 PALM CABBAGE

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

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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FLORIDA SURVEY CERTIFICATE OF AUTHORIZATION # LB 7832

LOCATED IN:
SECCTION 2, TOWNSHIP 21 S, RANGE 25 E &
SECTION 34, TOWNSHIP 20 S, RANGE 25 E

PARCEL ID: 22125002000004800,342025000400001003, 342025000100000100, & 272025000400001200

REVELS ROAD

HOWEY IN THE HILLS, LAKE COUNTY, FLORIDA, 34737

MAP OF
BOUNDARY, TOPOGRAPHIC, WETLAND & TREE SURVEY

MISSION RISE

REV.	DRAFTER	REV. DATE	COMMENTS
1	KH	12/12/2024	ADDED TREE SURVEY
2	NW	01/20/2025	ADDED SHWE NAIL LOCATIONS

DWG. KH CH. DB
PM. NW
FIELD DATE: 01/20/2025
PLOT DATE: 01/24/2025
JOB 22005325
SHEET NO.
14 OF 14

MISSION RISE
Project № 23017.1, v1.3
October 2023

TRAFFIC IMPACT ANALYSIS
TOWN OF HOWEY-IN-THE HILLS
FLORIDA

Prepared by:

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Prepared for:
ASF TAP Florida I, LLC
1170 Peachtree Street Northeast, Suite 1150
Atlanta, Georgia 30309

EXECUTIVE SUMMARY

Project Information

Name:	Mission Rise
Location:	West of SR 19 (South Palm Avenue), east of Silverwood Lane, and south of Number 2 Road in the Town of Howey-in-the-Hills, Lake County, Florida
Description:	499 Single Family Residential Units
Access Plan:	One (1) full access at the intersection of Number 2 Road and Spine Road One (1) full access at the intersection of SR 19 and Revels Road One (1) full access at the intersection of Revels Road and Orange Blossom Road (expected to carry limited traffic)

Findings

Trip Generation:	4,428 Daily Trips / 322 AM Peak Hour Trips / 451 PM Peak Hour Trips
Roadway Capacity:	The segments of SR 19, from Lane Park Road to Central Avenue and from CR 455 to CR 478 are projected to operate over their capacities at the project buildout.
Intersection Capacity:	The intersections of SR 19 and CR 48, SR 19 and Central Avenue, SR 19 and Revels Road, and SR 19 and CR 455 are projected to experience delays in the buildout condition. The project does not have a significant impact on the intersections.

Recommendations

Intersection Improvements:	Retime the signal or construct a roundabout at the intersections of SR 19 and CR 48 to maintain LOS standards. Provide traffic signals on SR 19 at Central Avenue, Revels Road, and CR 455 to maintain LOS standards. A signal warrant analysis is recommended and should be provided in separate reports. Construct a 430-foot northbound left turn lane and a 405-foot southbound right turn lane at the intersection of SR 19 and Revels Road. Construct a 655-foot westbound left turn lane and a 420-foot eastbound right turn lane at the intersection of Number 2 Road and Spine Road.

PROFESSIONAL ENGINEERING CERTIFICATION

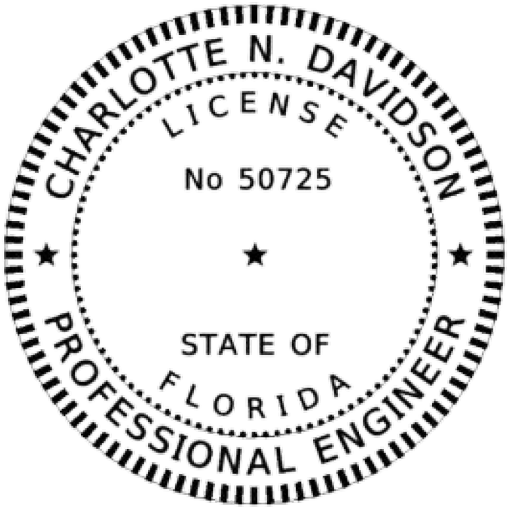
I hereby certify that I am a Professional Engineer properly registered in the State of Florida practicing with Traffic & Mobility Consultants LLC, a corporation authorized to operate as an engineering business, CA-30024, by the State of Florida Department of Professional Regulation, Board of Professional Engineers, and that I have prepared or approved the evaluations, findings, opinions, conclusions, or technical advice attached hereto for:

PROJECT: Mission Rise

LOCATION: Town of Howey-in-the-Hills, Florida

CLIENT: ASF TAP Florida, LLC

I hereby acknowledge that the procedures and references used to develop the results contained in these computations are standard to the professional practice of Transportation Engineering as applied through professional judgment and experience.



THIS ITEM HAS BEN DIGITALLY SIGNED AND SEALED BY
Charlotte N Davidson
Digitally signed by Charlotte N Davidson
Date: 2023.10.18 13:47:46 -04'00'
ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

TRAFFIC & MOBILITY CONSULTANTS LLC
3101 MAGUIRE BOULEVARD, SUITE 265
ORLANDO, FLORIDA 32803
CERTIFICATE OF AUTHORIZATION CA-30024
CHARLOTTE N. DAVIDSON, P.E. NO 50725

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1.0 INTRODUCTION

This Traffic Impact Analysis (TIA) was conducted to assess the impact of the proposed Mission Rise development in the town of Howey-in-the-Hills, Florida. The proposed development consists of 499 single-family units with an anticipated buildout year of 2033. This study conforms to the Tier 2 TIA requirements of the Town of Howey-in-the-Hills and Lake County. The analysis was prepared in accordance with the approved methodology. The study has been updated to incorporate comments received from the Town of Howey-in-the-Hills. The methodology and the response to comments letter are included in **Appendix A**.

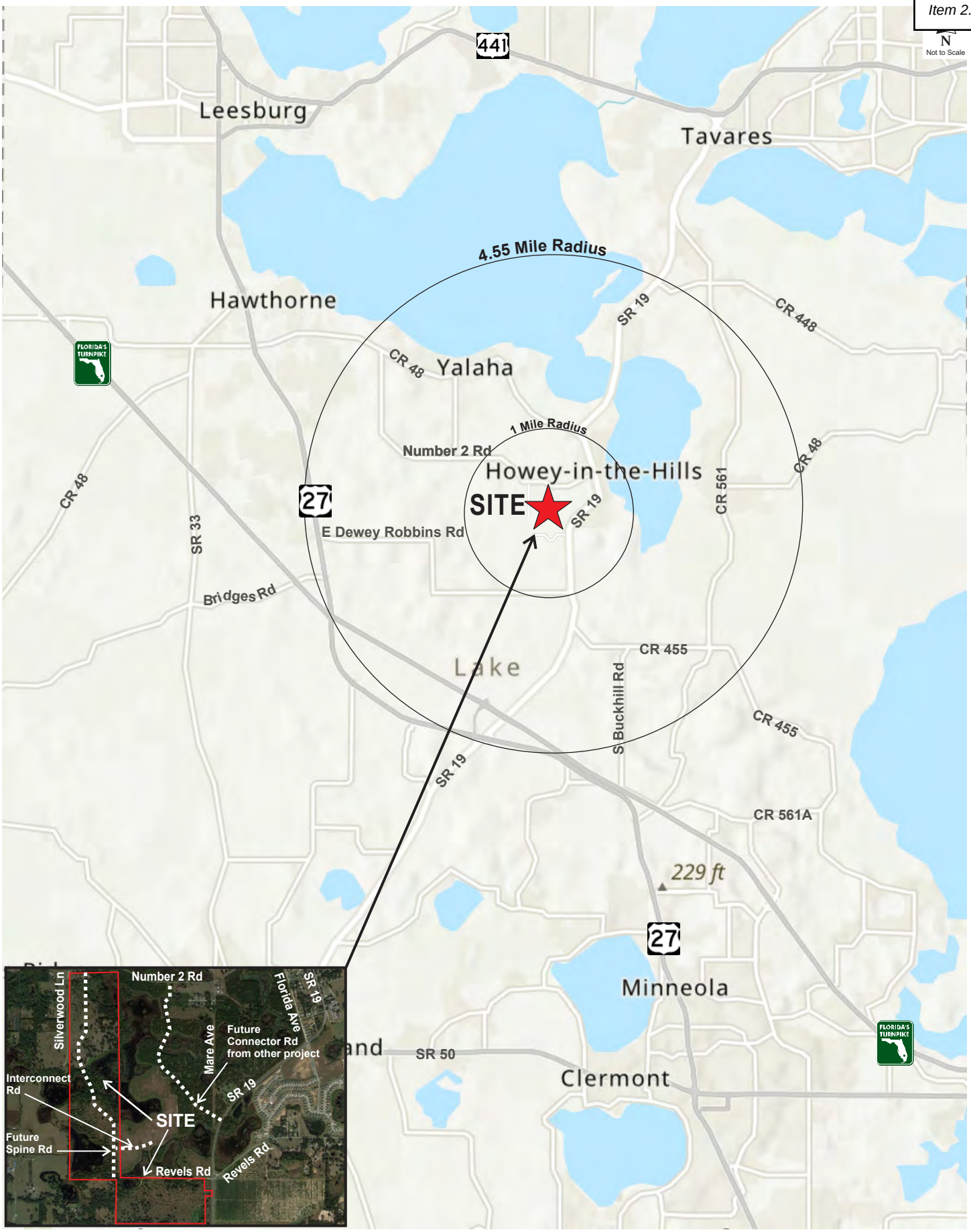
The site is located east of Silverwood Lane, west of SR 19 (South Palm Avenue), and south of Number 2 Road. **Figure 1** depicts the site location and the surrounding transportation network.

The development will be accessed via the intersections of Number 2 Road and Spine Road (future road), SR 19 and Revels Road, and Revels Road and Orange Blossom Road. The preliminary development site plan is provided in **Appendix B**.

Data used in the analysis consisted of site plan/development information provided by the project engineers, AM and PM peak hour intersection traffic counts obtained by Traffic & Mobility Consultants LLC, FDOT's *2023 Multimodal Quality/Level of Service (MQ/LOS) Handbook* and roadway capacities obtained from the *2022 Lake County Congestion Management Process (CMP) Database*.

1.1 Study Area

The project study area was established based on the standard requirements of the Lake Sumter Metropolitan Planning Organization (LSMPO) methodology and the Town of Howey-in-the-Hills *Land Development Code* (*LDC*). In accordance with the requirements of Tier 2 TIA methodology, the impact area includes roadway segments and intersections within a 4.55-mile radius of the site in addition to roadways where the development traffic is expected to consume 5% or more of their adopted Level of Service (LOS) capacities. The roadway segments characteristics were obtained from the *2022 Lake County Congestion Management Process (CMP) Database* and 2023 *FDOT Multimodal Quality/Level of Service (Q/LOS) Handbook Appendix B,* included in **Appendix C**. The project study area determination is provided in **Table 1,** as determined in the approved methodology.



Site Location Map
Mission Rise
23017.1, v1.3

Figure 1

Table 1
Study Area

Roadway Segment	SEG ID	No Lns	Area Type	Median Type	Speed Limit	LOS Std	Pk Dir Cap	Dir	Project Dist	Project Trips	Within 1-Mile? **	% Cap	In Study?
CR 455													
SR 19 to CR 561	950	2	R	Undivided	45	C	740	EB	10%	17	NO	2.3%	NO
								WB		28		3.8%	
CR 561 to CR 561A	960	2	R	Undivided	25	C	410	EB	5%	8	NO	2.0%	NO
								WB		14		3.4%	
CR 48													
US 27 to Lime Ave	1240	2	U	Undivided	40	D	1,080	EB	15%	43	NO	4.0%	NO
								WB		25		2.3%	
Lime Ave to SR 19	1250	2	U	Undivided	40	D	1,080	EB	2%	6	NO	0.6%	NO
								WB		3		0.3%	
CR 561 to Ranch Rd	1260	2	U	Undivided	40	D	840	EB	3%	5	NO	0.6%	NO
								WB		9		1.1%	
Ranch Rd to CR 448A	1270	2	R	Undivided	40	C	410	EB	3%	5	NO	1.2%	NO
								WB		9		2.2%	
CR 561													
CR 448 to CR 48	1410	2	U	Undivided	50	D	1,080	NB	0%	0	NO	0.0%	NO
								SB		0		0.0%	
CR 48 to South Astatula City Limit	1420	2	U	Undivided	40	D	620	NB	3%	9	NO	1.5%	NO
								SB		5		0.8%	
South Astatula City Limit to CR 455	1430	2	U	Undivided	40	D	1,080	NB	3%	9	NO	0.8%	NO
								SB		5		0.5%	
CR 455 to Howey Cross Rd	1440	2	R	Undivided	35	C	470	NB	2%	6	NO	1.3%	NO
								SB		3		0.6%	
Howey CRoss Rd to Turnpike Rd / CR 561A	1450	2	R	Undivided	40	C	640	NB	2%	6	NO	0.9%	NO
								SB		3		0.5%	
SR 19													
Lane Park Rd to CR 48	3040	2	U	Undivided	55	D	920	NB	23%	38	NO	4.1%	**YES**
								SB		65		**7.1%**	
CR 48 to Central Ave	3050	2	U	Undivided	40	D	700	NB	25%	42	NO	**6.0%**	**YES**
								SB		71		**10.1%**	
Central Ave to CR 455	3060	2	U	Undivided	35	D	1,200	NB	50%	142	**YES**	**11.8%**	**YES**
								SB		84		**7.0%**	
CR 455 to US 27 / SR 25	3070	2	R	Undivided	55	C	450	NB	35%	99	NO	**22.0%**	**YES**
								SB		58		**12.9%**	
US 27 / SR 25 to CR 478	3080	2	R	Undivided	55	C	450	NB	20%	57	NO	**12.7%**	**YES**
								SB		33		**7.3%**	
SR 91 (Florida Turnpike)													
US 27/SR 25 to US 27/SR 25/SR 19 Interchange	3566	4	U	Freeway	70	B	2,230	EB	10%	17	NO	0.8%	NO
								WB		28		1.3%	
US 27/SR 25													
SR 19 to CR 561	3830	4	U	Divided	55	D	3,280	EB	15%	25	NO	0.8%	NO
								WB		43		1.3%	
Central Ave													
SR 19 to Mare Ave	N/A	2	U	Undivided	30	D	770 *	EB	10%	17	**YES**	2.2%	**YES**
								WB		28		3.6%	
Number 2 Rd													
Mare Ave to Silverwood Ln	N/A	2	U	Undivided	30	D	730 *	EB	35%	58	**YES**	**7.9%**	**YES**
								WB		99		**13.6%**	
Silverwood Ln to CR 48	N/A	2	U	Undivided	45	D	730 *	EB	15%	25	**YES**	3.4%	**YES**
								WB		43		**5.9%**	

Source: 2022 Lake County CMP Database

** 2023 FDOT Multimodal Quality/Level of Service Handbook, Appendix B: Florida's Generalized Service Volume Tables*

Bold numbers represent capacity equal or higher than 5%.

Based on the study area analysis presented in **Table 1**, the following roadway segments were analyzed for the PM peak hour:

- SR 19
  - Lane Park Road to CR 48
  - CR 48 to Central Avenue
  - Central Avenue to CR 455
  - CR 455 to US 27 / SR 25
  - US 27 / SR 25 to CR 478

- Central Avenue
  - SR 19 to Mare Avenue

- Number 2 Road
  - Mare Avenue to Silverwood Lane
  - Silverwood Lane to CR 48

The following intersections were analyzed for the AM and PM peak hours:

- SR 19 and CR 48 (Signalized)
- SR 19 and Central Avenue (Unsignalized)
- Central Avenue and South Florida Avenue (Unsignalized)
- SR 19 and Revels Road (Unsignalized) (East Project Access)
- SR 19 and CR 455 (Unsignalized)
- Spine Road and Interconnect Road (Proposed)
- Number 2 Road and Spine Road (North Project Access) (Proposed)
- Revels Road and Spine Road (Proposed)
- Revels Road and Orange Blossom Road (South Project Access)

2.0 EXISTING CONDITIONS ANALYSIS

Existing conditions in the vicinity of the site were analyzed to establish a baseline for the traffic conditions prevailing in the vicinity of the proposed development. The analysis included a review of existing roadway segment capacity and analysis of the intersection operations at the study intersections.

2.1 Roadway Segment Capacity

Existing roadway conditions were analyzed by comparing the existing traffic volumes within the study area and the adopted level of service (LOS) standards for the roadway segments. **Table 2** summarizes the roadway segment capacity analysis.

Table 2
Existing Roadway Segment Capacity Analysis

Roadway Segment	Seg ID	No Lns	LOS Std	Pk Dir Cap	Dir	Existing Vol	LOS	V/C	Deficient?
***Central Ave**									
SR 19 to Mare Ave	N/A	2	D	530	EB	57	C	0.11	NO
					WB	59	C	0.11	NO
SR 19									
Lane Park Rd to CR 48	3040	2	D	920	NB	610	C	0.66	NO
					SB	656	C	0.71	NO
CR 48 to Central Ave	3050	2	D	700	NB	433	C	0.62	NO
					SB	372	C	0.53	NO
Central Ave to CR 455	3060	2	D	1,200	NB	433	B	0.36	NO
					SB	372	B	0.31	NO
CR 455 to US 27 / SR 25	3070	2	C	450	NB	507	D	1.13	YES
					SB	435	C	0.97	NO
US 27 / SR 25 to CR 478	3080	2	C	450	NB	466	D	1.04	YES
					SB	519	D	1.15	YES
Number 2 Rd									
Mare Avenue to Silverwood Ln	N/A	2	D	400	EB	57	C	0.14	NO
					WB	59	C	0.15	NO
Silverwood Ln to CR 48	N/A	2	D	400	EB	57	C	0.14	NO
					WB	59	C	0.15	NO

Source: 2022 Lake County CMP Database
** Counts were obtained from PM Peak Turning Movement Counts*
***A reduction of 25% was applied to the Peak Hour Directional Capacity of 530, as Number 2 Road is a substandard road*

The analysis indicates that all study roadway segments currently operate adequately within their capacities except the segments of SR 19 from CR 455 to CR 478 which currently operate over capacity.

2.2 Intersection Capacity

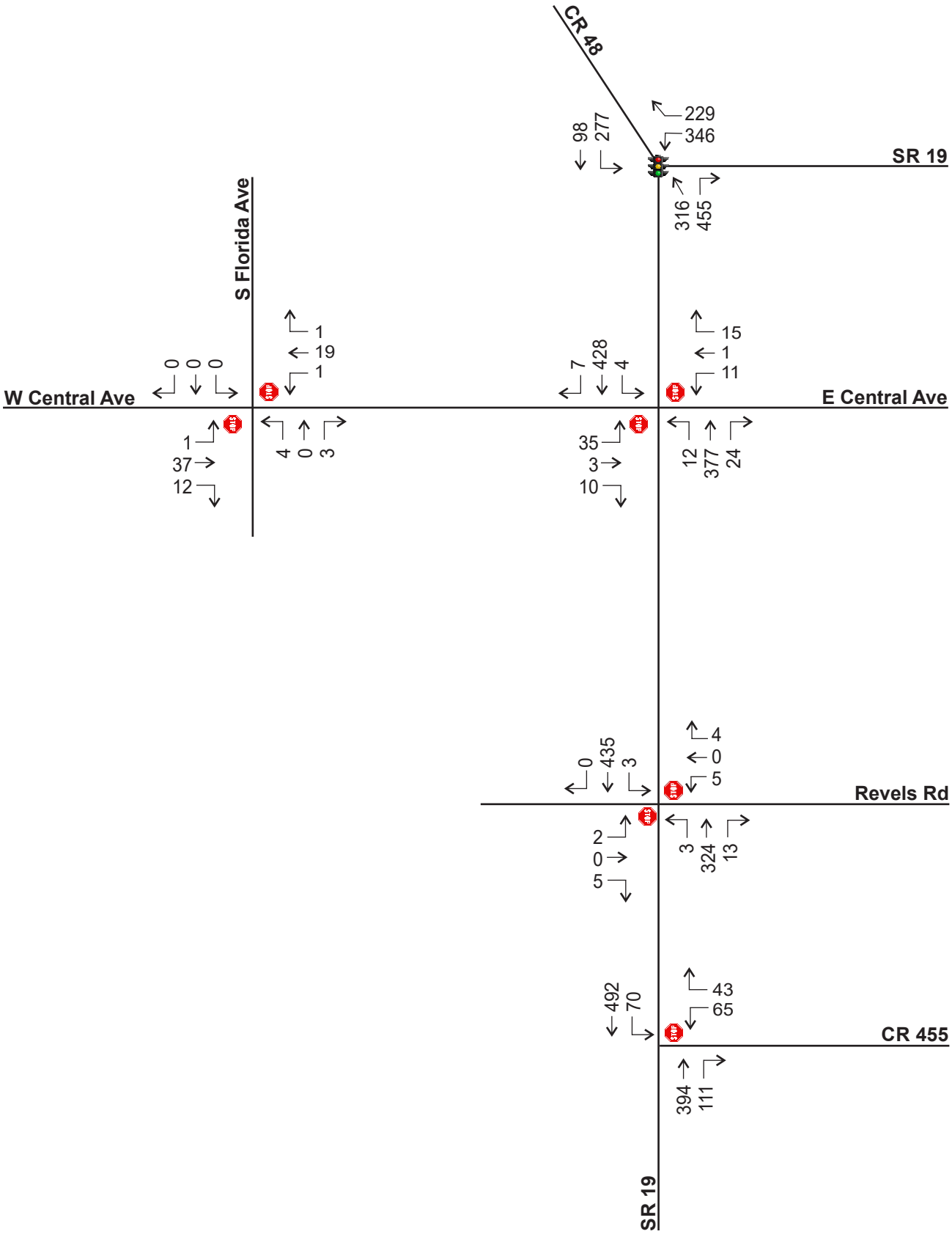
The intersection capacity analysis was performed for the AM and PM peak hour periods. The capacity analysis was performed using *Synchro* and the methods of the *Highway Capacity Manual (HCM)*. Turning movement volumes obtained during the AM and PM peak hour are displayed in **Figure 2** and **Figure 3**, respectively. The counts at SR 19 and CR 455 were collected on January 24, 2023, which coincides with a seasonal factor of 1.0. The remaining intersection turning movement counts were collected on July 19, 2023, during the off-peak season; therefore, a seasonal factor of 1.06 was applied to these counts. The turning movement counts and the seasonal factor report are included in **Appendix D**.

The results of the intersection capacity analysis, summarized in **Table 3,** reveal that all study intersections are currently operating at adequate LOS. Detailed *HCM* analysis worksheets are included in **Appendix E**.

Table 3
Existing Intersection Capacity Analysis

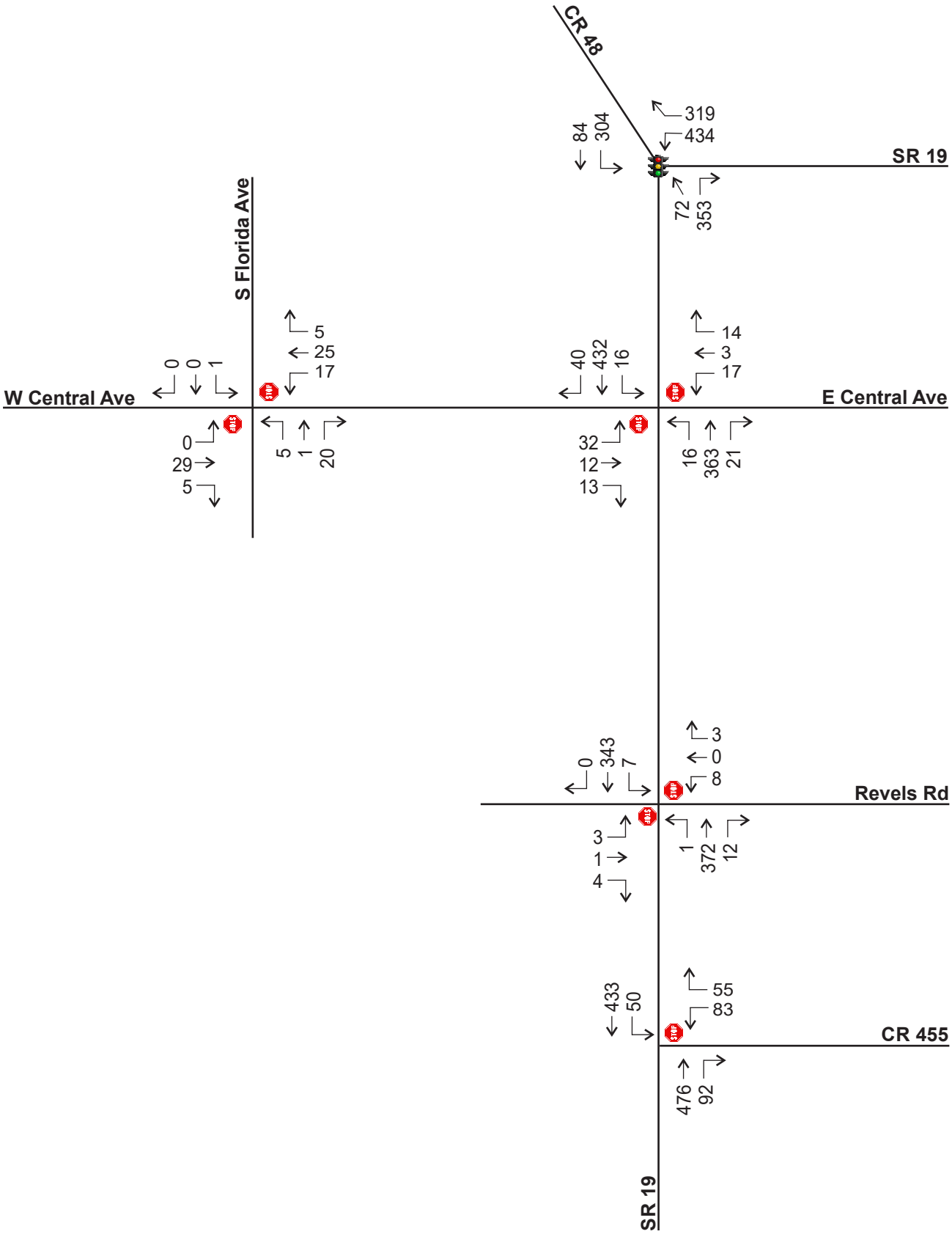
Intersection	Traffic Control	Time Period	EB		WB		NB		SB		Overall	
			Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
SR 19 & CR 48	Signal	AM	--	--	50.7	D	20.3	C	11.2	B	29.5	C
		PM	--	--	87.5	F	17.1	B	10.7	B	55.7	E
SR 19 & Central Ave	TWSC	AM	20.7	C	15.1	C	8.9	A	8.8	A	--	--
		PM	22.6	C	17.9	C	9.0	A	8.8	A	--	--
W Central Ave & S Florida Ave	TWSC	AM	7.3	A	7.3	A	8.8	A	0.0	A	--	--
		PM	0.0	A	7.3	A	8.8	A	9.4	A	--	--
SR 19 & Revels Rd	TWSC	AM	13.3	B	15.0	C	8.3	A	8.0	A	--	--
		PM	14.0	B	16.1	C	8.1	A	8.2	A	--	--
SR 19 & CR 455	TWSC	AM	--	--	25.1	D	--	--	8.9	A	--	--
		PM	--	--	26.7	D	--	--	9.0	A	--	--

Average delay is in seconds



Existing AM Peak Hour Intersection Volumes
Mission Rise
23017.1, v1.3

Figure 2



Existing PM Peak Intersection Volumes
Mission Rise
23017.1, v1.3

Figure 3

3.0 PROJECT TRAFFIC

3.1 Trip Generation

The Trip Generation Analysis was conducted using the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition*. The ITE Information sheets are included in **Appendix F**. **Table 4** summarizes the resulting trip generation analysis.

Table 4
Trip Generation Analysis

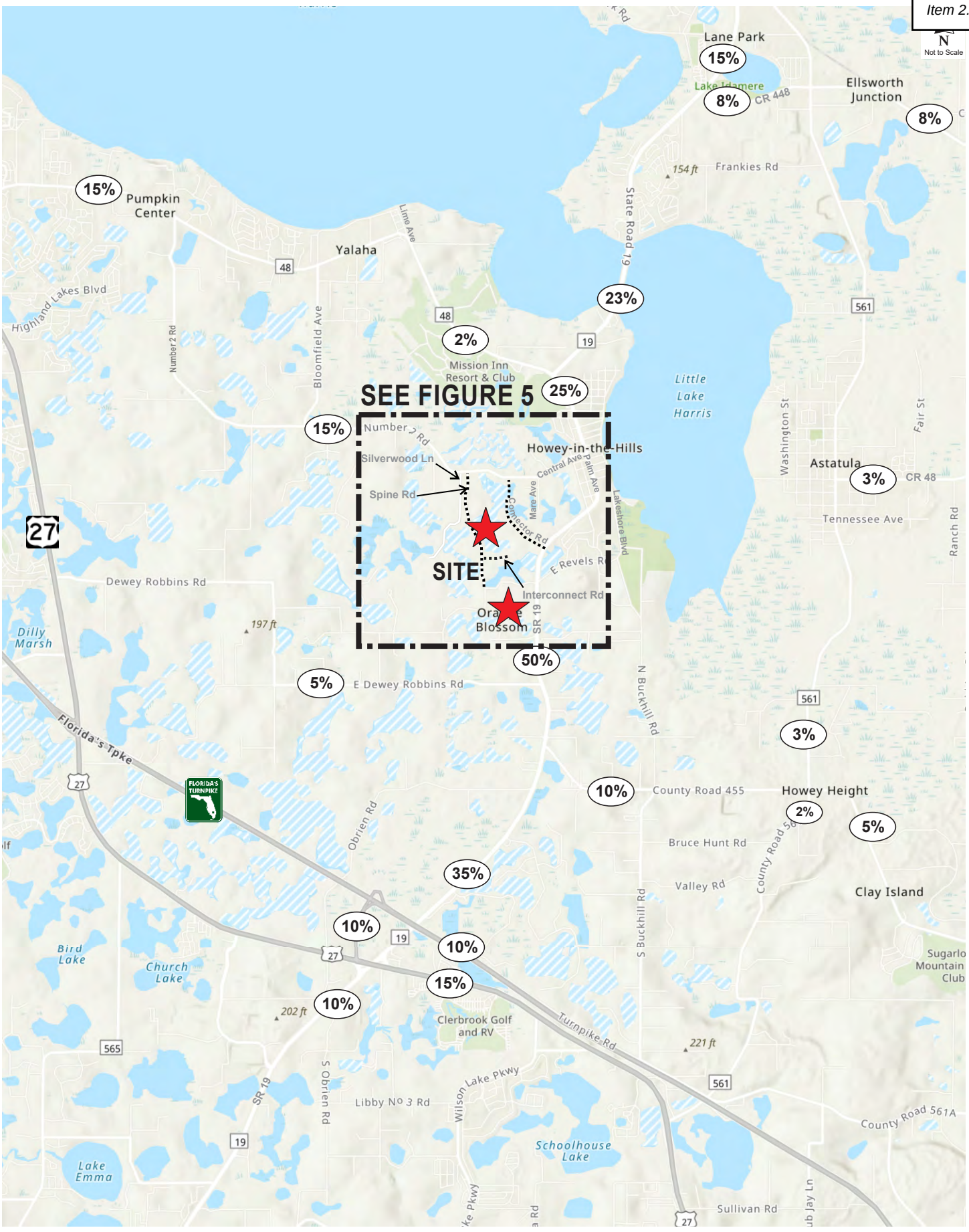
ITE Code	Land Use	Size	Daily		AM Peak Hour				PM Peak Hour			
			Rate	Trips	Rate	Total	Enter	Exit	Rate	Total	Enter	Exit
210	Single Family Residential (Detached)	499 DU	8.87	4,428	0.64	322	81	241	0.90	451	284	167

Trip Generation analysis based on ITE Trip Generation Manual, 11th Edition.

The proposed development is projected to generate 4,428 new daily trips, of which 322 trips occur during the AM peak hour and 451 trips occur during the PM peak hour.

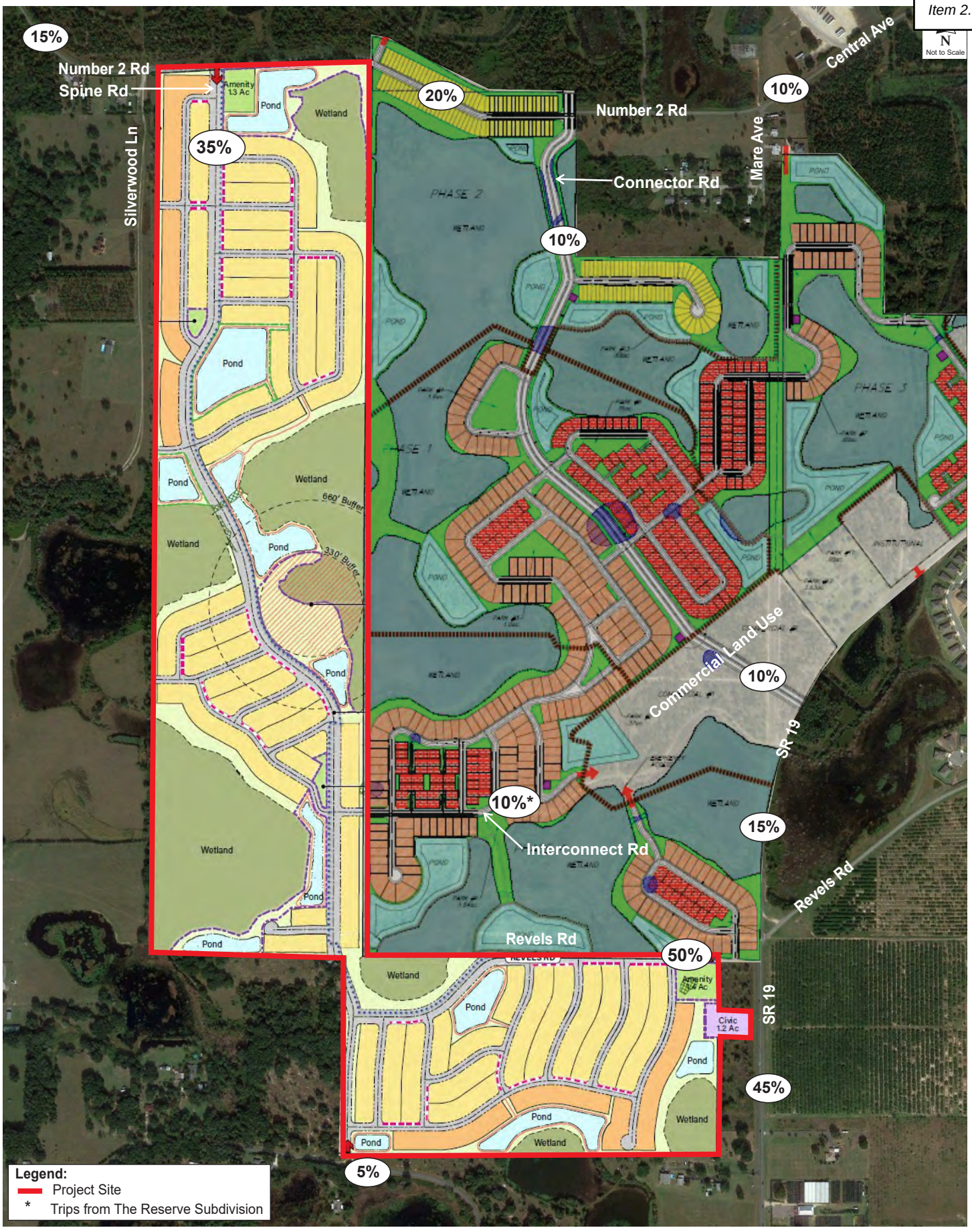
3.2 Trip Distribution

A trip distribution pattern was developed using the *Central Florida Regional Planning Model (CFRPMv7).* The model distribution was slightly adjusted based on local knowledge, professional engineering judgement, and the location of the development with respect to the study area attractions and activity centers to reflect the prevailing travel patterns in the study area and the surrounding transportation network. The raw model plots are provided in **Appendix G**, and the project trip distribution pattern is shown in **Figure 4.** Detailed trip distribution near the project site is shown in **Figure 5.**



Project Trip Distribution
Mission Rise
23017.1, v1.3

Figure 4



Project Trip Distribution Near Project Site

Mission Rise
23017.1, v1.3

Figure 5

4.0 PROJECTED CONDITIONS ANALYSIS

An analysis of projected conditions was conducted to determine the impact of the proposed development on the roadway segments capacity, as well as the proposed access connections and intersections to the site. The project buildout year for the analysis is 2033.

4.1 Planned and Programmed Improvements

The *Lake-Sumter Metropolitan Planning Organization (LSMPO) 2023-2027 Transportation Improvement Program (TIP),* as well as *LSMPO 2022 List of Priority Projects (LOPP)* were reviewed to identify any planned or programmed improvements to the transportation facilities in this area. The improvements are listed in **Table 5**. Construction is not planned to be completed within the next three (3) years for either improvement. Excerpts from the *LSMPO TIP* and *LSMPO LOPP* are provided in **Appendix H**.

Table 5
Planned and Programmed Improvements

FM #	Project Name	From	To	Proposed Phase	Proposed Phase FY	Description of Improvement
2383191	SR 19 *	CR 48	CR 561	PDE-PE-ENV	2023	Add Lanes & Reconstruct
238319-1	SR 19 **	Howey Bridge	CR 561	-	-	Road Widening

** LSMPO TIP Fiscal Year 2023-2027*
*** LSMPO 2022 LOPP Tier 2 project*

4.2 Background Traffic Projection

Projected traffic includes background traffic volumes, the project trips, and committed trips. Projected background traffic for the buildout year of 2033 was estimated by applying the growth rates obtained from *2022 Lake County CMP Database* to the existing traffic volumes. A minimum of 2% annual growth rate was applied to existing traffic volumes for which published annual growth rates are below 2%. The committed trips for the following approved developments within the study area are included in **Appendix I**:

- Whispering Hills
- Talichet Phase 1 and Phase 2
- The Reserve at Howey in the Hills
- Lake Hills (Four Seasons). Trips were estimated based on the trip generation analysis and the trip distribution obtained from the methodology.
- Watermark (Simpson)

4.3 Roadway Segment Capacity

Projected roadway conditions were analyzed by comparing the projected traffic volumes on the study segments to their service volumes and adopted LOS standards. The total projected traffic volume is composed of background traffic, vested trips and project trips. **Table 6** summarizes the roadway segment capacity analysis, which reveals the following:

- SR 19 from Lane Park Road to Central Avenue and from CR 455 to CR 478 are projected to operate over their capacities due to background traffic.
- All remaining roadway segments are projected to continue to operate adequately at project buildout.

Roadway Segment Capacity Analysis with Recommended Mitigation

Number 2 Road is a substandard road with reduced capacity. It is projected to operate at an acceptable LOS; however, operational safety is a concern due to its narrow width. Lake County would need to improve it in the future to achieve safety.

SR 19 from CR 48 to CR 561 is programmed in the *TIP* to be widened to four (4) lanes. The roadway segment capacity analysis reveals that the widening of SR 19 to 4-lanes is projected to improve the capacity of the segment from Lane Park Road to CR 48. The segments of SR 19 from CR 48 to Central Avenue and from CR 455 to CR 478 would need to be widened to 4-lanes to achieve acceptable LOS conditions at project buildout, as summarized in **Table 7**.

Table 6
Projected Roadway Segment Capacity Analysis

Roadway Segment	No Lns	LOS Std	PH Dir Capacity	Dir	Exist Vol	Growth Rate	2033 Backg'd	Vested Trips	Total Backg'd Volume	Backg'd LOS	Backg'd V/C	Trip Distr	Proj Dir	Project Volume	Total Volume	Final LOS	Final V/C
***Central Ave**																	
SR 19 to Mare Ave	2	D	530	NB/EB SB/WB	57 59	2.00%	70 72	53 85	123 157	C C	0.23 0.30	10%	OUT IN	17 28	140 185	C C	0.26 0.35
SR 19																	
Lane Park Rd to CR 48	2	D	920	NB/EB SB/WB	610 656	2.00%	744 800	125 264	869 1,064	C F	0.94 1.16	23%	OUT IN	38 65	907 1,129	D F	0.99 1.23
CR 48 to Central Ave	2	D	700	NB/EB SB/WB	433 372	2.00%	528 454	266 355	794 809	F F	1.13 1.16	25%	OUT IN	42 71	836 880	F F	1.19 1.26
Central Ave to CR 455	2	D	1,200	NB/EB SB/WB	433 372	2.00%	528 454	437 272	965 726	D C	0.80 0.61	50%	IN OUT	142 84	1,107 810	D C	0.92 0.68
CR 455 to US 27/ SR 25	2	C	450	NB/EB SB/WB	507 435	2.00%	619 531	286 178	905 709	E D	2.01 1.58	35%	IN OUT	99 58	1,004 767	E E	2.23 1.70
US 27/ SR 25 to CR 478	2	C	450	NB/EB SB/WB	466 519	2.00%	569 633	286 178	855 811	E E	1.90 1.80	10%	IN OUT	28 17	883 828	E E	1.96 1.84
****Number 2 Rd**																	
Mare Ave to Silverwood Ln	2	D	400	NB/EB SB/WB	57 59	2.00%	70 72	53 53	123 125	C C	0.31 0.31	35%	OUT IN	58 99	181 224	C D	0.45 0.56
Silverwood Ln to CR 48	2	D	400	NB/EB SB/WB	57 59	2.00%	70 72	53 53	123 125	C C	0.31 0.31	15%	IN OUT	43 25	166 150	C C	0.42 0.38

Source: 2022 Lake County Annual Traffic Counts
**Exiting Counts were obtained from PM Peak Turning Movement Counts*
***A reduction of 25% was applied to the Peak Hour Directional Capacity of 530, as Number 2 Road is a substandard road*

Table 7
Projected Roadway Segment Capacity Analysis with Mitigation

Roadway Segment	No Lns	LOS Std	PH Dir Capacity	Dir	Exist Vol	Growth Rate	2033 Backg'd	Vested Trips	Total Backg'd Volume	Backg'd LOS	Backg'd V/C	Trip Distr	Proj Dir	Project Volume	Total Volume	Final LOS	Final V/C	Project Responsible ?
SR 19																		
Lane Park Rd to CR 48	4	D	1,480	NB/EB SB/WB	610 656	2.00%	744 800	125 264	869 1,064	C D	0.59 0.72	23%	OUT IN	38 65	907 1,129	D D	0.61 0.76	NO NO
CR 48 to Central Ave	4	D	1,480	NB/EB SB/WB	433 372	2.00%	528 454	266 355	794 809	D D	0.54 0.55	25%	OUT IN	42 71	836 880	D D	0.56 0.59	NO NO
CR 455 to US 27/ SR 25	4	C	1,360	NB/EB SB/WB	507 435	2.00%	619 531	286 178	905 709	C C	0.67 0.52	35%	IN OUT	99 58	1,004 767	C C	0.74 0.56	NO NO
US 27/ SR 25 to CR 478	4	C	1,360	NB/EB SB/WB	466 519	2.00%	569 633	286 178	855 811	C C	0.63 0.60	10%	IN OUT	28 17	883 828	C C	0.65 0.61	NO NO
****Number 2 Rd**																		
Mare Ave to Silverwood Ln	2	D	530	NB/EB SB/WB	57 59	2.00%	70 72	53 53	123 125	C C	0.23 0.24	35%	OUT IN	58 99	181 224	C D	0.34 0.42	NO NO
Silverwood Ln to CR 48	2	D	530	NB/EB SB/WB	57 59	2.00%	70 72	53 53	123 125	C C	0.23 0.24	15%	IN OUT	43 25	166 150	C C	0.31 0.28	NO NO

Source: 2022 Lake County Annual Traffic Counts
**Exiting Counts were obtained from PM Peak Turning Movement Counts*
***A reduction of 25% was applied to the Peak Hour Directional Capacity of 530, as Number 2 Road is a substandard road*

Note: Roadway mitigations are necessitated by background traffic. Number 2 Road is an existing substandard facility.
The development is not responsible for these improvements, per Florida Statutes.

4.4 Intersection Capacity Analysis

The projected volumes for the intersection capacity and operations analysis were calculated by assigning the project trips to the project driveways and adding those volumes to the background volumes and vested trips at the study intersections. Projected background traffic was estimated as discussed in the previous section. Projected background traffic on the proposed Spine Road and Revels Road were estimated based on the *CFRPMv7* model daily volumes. The AADT model plots are included in **Appendix J**.

Intersection Capacity Analysis

The projected AM and PM peak hour volumes are illustrated in **Figure 6** and **Figure 7**, respectively. The analysis includes right and left turn lanes on SR 19, and a right turn lane on Revels Road at the intersection of SR 19 and Revels Road. It also includes right and left turn lanes on Number 2 Road at the intersection of Spine Road and Number 2 Road. The results of the analysis are summarized in **Table 8,** and the analysis worksheets are included in **Appendix K**. The intersection volume projection sheets are included in **Appendix L**.

Table 8
Projected Intersection Capacity Analysis

Intersection	Traffic Control	Time Period	EB		WB		NB		SB		Overall	
			Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
SR 19 & CR 48	Signal	AM	--	--	177.1	**F**	29.7	C	22.1	C	87.2	**F**
		PM	--	--	>300	**F**	21.5	B	12.1	B	234.3	**F**
SR 19 & Central Ave	TWSC	AM	>300	**F**	26.5	D	10.1	B	10.3	B	--	--
		PM	>300	**F**	89.7	**F**	11.4	B	10.3	B	--	--
W Central Ave & S Florida Ave	TWSC	AM	7.3	A	7.4	A	9.2	A	0.0	A	--	--
		PM	0.0	A	7.4	A	9.3	A	10.6	B	--	--
SR 19 & Revels Rd / Project Entrance	TWSC	AM	51.2	**F**	>300	**F**	10.1	B	8.8	A	--	--
		PM	135.1	**F**	>300	**F**	9.9	A	10.7	B	--	--
SR 19 & CR 455	TWSC	AM	--	--	>300	**F**	--	--	10.7	B	--	--
		PM	--	--	>300	**F**	--	--	12.7	B	--	--
Spine Rd & Interconnect Rd / Proposed	TWSC	AM	--	--	8.8	A	--	--	7.4	A	--	--
		PM	--	--	8.8	A	--	--	7.4	A	--	--
Number 2 Rd and Spine Rd / Project Entrance	TWSC	AM	--	--	7.5	A	9.8	A	--	--	--	--
		PM	--	--	7.6	A	9.9	A	--	--	--	--
Spine Rd & Revels Rd	TWSC	AM	--	--	9.1	A	--	--	7.5	A	--	--
		PM	--	--	9.3	A	--	--	7.5	A	--	--
Revels Rd & Orange Blossom Rd / Project Entrance	TWSC	AM	7.2	A	--	--	--	--	8.6	A	--	--
		PM	7.3	A	--	--	--	--	8.6	A	--	--

Average delay is in seconds

N
Not to Scale

Number 2 Rd
Central Ave
S Florida Ave
CR 48
SR 19
Access 1
Connector Rd
Spine Rd
Interconnect Rd
Revels Rd
Orange Blossom Rd
CR 455
SITE
SITE

28+{5}=33
30+(16)=46
59+{3}=62
15+(11)=26
15+(37)=52
30+(48)=78
(24)
(8)
0
0
0
1
44+(24)=68
14+{3}=17
1
23+(8)=31
1+{9}=10
5+{5}=10
0
4+{16}=20
8+{33}+(8)=49
514+{137}+(12)=663
5+{32}=37
42+{78}+(24)=144
4
12
118+{60}+(2)=180
332+{81}=413
275+{59}=334
415+{89}+(18)=522
379+{71}+(5)=455
546+{139}+(55)=740
18+{47}=65
1
13
14
452+{184}+(36)=672
29
25+(17)=42
20+(24)=44
25+(8)=33
(0)
20+(51)=71
{2}+(12)=14
522+{244}+(24)=790
4+{17}=21
5+{48}=53
0
6+{118}=124
2+{3}+(36)=41
0
6+{30}+(84)=120
4+{12}+(28)=44
389+{93}+(8)=490
16+{50}=66
4+(5)=9
74+(68)=142
62+(46)=108
3+(7)=10
4+(2)=6
3+(2)=5
7
(12)
7
(4)
590+{253}+(84)=927
84+{75}+(24)=183
52+{28}+(8)=88
78
473+{95}+(28)=596
133

Legend:
Background + {Vested} + (Project) = Total

N
Not to Scale

Number 2 Rd
Central Ave
S Florida Ave
CR 48
SR 19
Connector Rd
Spine Rd
Access 1
Interconnect Rd
Revels Rd
Orange Blossom Rd
CR 455
SITE
SITE

36+{3}=39
30+(57)=87
41+{5}=46
15+(44)=59
15+(26)=41
30+(34)=64
(17)
(28)
0
0
1
0
35+(17)=52
6+{5}=11
6
30+(29)=59
20+{16}=36
6+{3}=9
1
24+{9}=33
101+{87}+(6)=194
365+{86}=451
383+{100}=483
521+{164}+(66)=751
48+{85}+(29)=162
518+{223}+(43)=784
19+{47}=66
38+{53}+(17)=108
14
16
86+{75}+(3)=164
424+{125}+(39)=588
17+{32}=49
4
20
19
436+{181}+(25)=642
25
20+(60)=80
25+(17)=42
20+(28)=48
(0)
25+(35)=60
3+(2)=5
62+(72)=134
74+(89)=163
4+(6)=10
3+(6)=9
4+(8)=12
7
(8)
(13)
7
{2}+(43)=45
412+{173}+(17)=602
8+{56}=64
4+{1}+(25)=30
1
5+{21}+(57)=83
4+{32}=36
0
10+{78}=88
1+{35}+(99)=135
446+{270}+(28)=744
14+{132}=146
520+{178}+(58)=756
60+{53}+(17)=130
66+{85}+(28)=179
100
571+{286}+(99)=956
110

Legend:
Background + {Vested} + (Project) = Total

TMC Traffic & Mobility Consultants

Projected PM Peak Hour Intersection Volumes
Mission Rise
23017, v1.3

Figure 7

The analysis reveals the following:

- The intersection of SR 19 and CR 48 is projected to operate with delay during the AM and the PM peak hour. Further review is needed.
- The intersection of SR 19 and Central Avenue is projected to operate with delay in the eastbound and westbound directions. The westbound movement does not carry any project traffic and it is projected to operate at volume to capacity ratio less than 1.0. Further review is needed.
- The intersection of SR 19 and Revels Road is projected to operate with delay in the eastbound and westbound directions. The westbound movement does not carry any project traffic. Further review is needed.
- The intersection of SR 19 and CR 455 is projected to operate with delay for the westbound left movement. Project trips contribute no traffic to the movement. Further review is needed.

The remaining study intersections are projected to operate adequately at the project buildout.

Intersection Capacity Analysis with Recommended Mitigation

The proposed project does not significantly impact study area intersections. Four (4) intersections have been reviewed further. The intersections are determined to need the following improvements to achieve acceptable LOS conditions at project buildout:

- Retiming the signal is recommended at the intersection of SR 19 and CR 48 OR constructing a 2-lane roundabout at the intersection of SR 19 and CR 48.
- Installing a signal is recommended at the intersection of SR 19 and Central Avenue.
- Installing a signal is recommended at the intersection of SR 19 and Revels Road.
- Installing a signal is recommended at the intersection of SR 19 and CR 455.

The traffic operations for the mitigated intersections are projected to have acceptable LOS, as detailed in **Table 9**. The background conditions and the buildout conditions with the mitigation analysis worksheets are included in **Appendix M**.

Table 9
Projected Intersection Capacity Analysis with Mitigation

Intersection	Traffic Control	Peak Period	Scenario	EB		WB		NB		SB		Overall	
				Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
SR 19 & CR 48	Option 1: Retiming Signal	AM	Background	--	--	161.9	F	29.5	C	21.8	C	80.1	F
			Buildout	--	--	177.1	F	29.7	C	22.1	C	87.2	F
			Mitigation	--	--	59.4	E	72.4	E	54.1	D	60.9	D
		PM	Background	--	--	>300	F	21.5	C	12.1	B	187.5	F
			Buildout	--	--	>300	F	21.5	C	12.1	B	233.7	F
			Mitigation	--	--	48.7	D	56.5	E	58.2	E	52.6	D
SR 19 & CR 48	Option 2: Roundabout	AM	Background	--	--	161.9	F	29.5	C	21.8	C	80.1	F
			Buildout	--	--	177.1	F	29.7	C	22.1	C	87.2	F
			Mitigation	--	--	14.2	B	23.0	C	11.9	B	17.7	C
		PM	Background	--	--	>300	F	21.5	C	12.1	B	187.5	F
			Buildout	--	--	>300	F	21.5	C	12.1	B	233.7	F
			Mitigation	--	--	12.6	B	15.7	C	23.4	C	16.1	C
SR 19 & Central Ave	Signal	AM	Background	>300	F	24.5	C	9.9	A	10.1	A	--	--
			Buildout	>300	F	26.5	D	10.1	B	10.3	B	--	--
			Mitigation	21.0	C	18.3	B	8.2	A	8.2	A	9.9	A
		PM	Background	>300	F	65.2	E	11.0	B	10.2	B	--	--
			Buildout	>300	F	89.7	F	11.4	B	10.3	A	--	--
			Mitigation	13.3	B	12.0	B	6.8	A	24.7	C	16.9	B
SR 19 & Revels Road	Signal	AM	Background	22.5	C	>300	F	9.7	A	8.8	A	--	--
			Buildout	51.2	F	>300	F	10.1	B	8.8	A	--	--
			Mitigation	18.2	B	16.0	B	5.0	A	6.2	A	7.3	A
		PM	Background	30.0	D	>300	F	9.0	A	10.6	B	--	--
			Buildout	135.1	F	>300	F	9.9	A	10.7	B	--	--
			Mitigation	30.0	C	26.7	C	6.5	A	3.8	A	7.3	A
SR 19 & CR 455	Signal	AM	Background	--	--	>300	F	--	--	10.3	B	--	--
			Buildout	--	--	>300	F	--	--	10.7	B	--	--
			Mitigation	--	--	78.2	E	2.3	A	30.8	C	24.3	C
		PM	Background	--	--	>300	F	--	--	11.6	B	--	--
			Buildout	--	--	>300	F	--	--	12.7	B	--	--
			Mitigation	--	--	130.1	F	6.4	A	62.3	E	44.1	D

Average delay is in seconds

The analysis reveals the following:

- The intersection of SR 19 and CR 48 is projected to operate at an acceptable overall LOS by optimizing the signal timing or by constructing a 2-lane roundabout. Since the intersection can operate adequately by retiming the traffic signal; the project is not responsible to add a roundabout.
- The intersection of SR 19 and Central Avenue is projected to operate adequately at buildout with a signal. The westbound movement does not carry any project traffic. Project contribute 5.9% of the total traffic.
- The intersection of SR 19 and Revels Road is projected to operate adequately at buildout with a signal. The westbound movement does not carry any project traffic. Project contributes 13.6% of the total traffic.
- The intersection of SR 19 and CR 455 is projected to operate adequately at buildout with a signal. The westbound movement does not carry any project traffic. Project contribute 9.0% of the total traffic.

In lieu of contributing a proportionate share to the three (3) intersections needing new traffic signals, the developer is recommending to construct the new traffic signal at SR 19 and Revels Road, which serves as the main access to the project.

5.0 ACCESS REVIEW

The development will be accessed via the intersections of Number 2 Road and Spine Road (future road), SR 19 and Revels Road, and Revels Road and Orange Blossom Road. SR 19 is a 2-lane undivided facility with a posted speed limit of 55 miles per hour (mph) near the project entrance. Number 2 Road is a 2-lane undivided facility with a posted speed limit of 30 mph in the east direction and 45 mph in the west direction near the project entrance. Orange Blossom Road is a 2-lane undivided facility with a posted speed limit of 30 mph near the project entrance.

5.1 Turn Lane Review

A review of the need for turn lanes at the project entrance intersections was conducted based on the Lake County *Land Development Code (LDC)* guidelines, which are provided in **Appendix N**. In accordance with the *LDC* guidelines, right and left turn lanes are warranted at the intersections of SR 19 and Revels Road, and at Number 2 Road and Spine Road. The intersection of Orange Blossom Road and Revels Road is expected to carry limited traffic; therefore, exclusive turn lanes are not recommended.

The recommended lengths of the turn lanes on SR 19 were calculated based on the requirements of the *FDOT Design Manual Exhibit 212-1*, provided in **Appendix O**, and the recommended lengths of the turn lanes on Number 2 Road were calculated based on the Lake County *LDC* guidelines. Per Lake County requirement for turn lane widening on Number 2 Road, the length of tapers will need to be twice the standard length. The calculations are provided as follows:

SR 19 and Revels Road

Left Turn Lane Length = Deceleration Distance + Queue Length
Deceleration at 60 mph (design speed) = 405 feet
95th Percentile Queue Length = 1 x 25 = 25 feet
Northbound Left Turn Lane = 405 feet + 25 feet = 430 feet (including a 50-foot taper)

Right Turn Lane Length = Deceleration Distance
Deceleration at 60 mph (design speed) = 405 feet
Southbound Right Turn Lane = 405 feet

Number 2 Road and Spine Road

Left Turn Lane Length = Taper Length + Storage Length
Taper Length at 50 mph (design speed) = 230 feet x 2 = 460 feet
Storage Length at 50 mph (design speed) = 195 feet
Westbound Left Turn Lane = 460 feet + 195 feet = 655 feet

Right Turn Lane Length = Taper Length + Storage Length
Taper Length at 35 mph (design speed) = 170 feet x 2 = 340 feet
Storage Length at 35 mph (design speed) = 80 feet
Eastbound Right Turn Lane = 340 feet + 80 feet = 420 feet

6.0 STUDY CONCLUSIONS

This traffic analysis was conducted to assess the impact of the proposed Mission Rise development in the Town of Howey-in-the-Hills, Florida. The project will include 499 single family residential units. The analysis included a determination of project trip generation, a review of existing and projected roadway and intersection capacity.

The results of the traffic analysis are summarized as follows:

- The proposed development is projected to generate 4,428 trips per day, of which 322 trips occur during the AM peak hour and 451 trips occur during the PM peak hour.

- SR 19 SR 19 from Lane Park Road to Central Avenue and from CR 455 to CR 478 are projected to operate over their capacities due to background traffic. The development is not responsible for mitigating background deficiencies, per Florida's Statutes.

- SR 19 from CR 48 to CR 561 is programmed in the *TIP* to be widened to 4 lanes.

- All remaining roadway segments are projected to continue to operate adequately at project buildout.

- The intersection of SR 19 and CR 48 is projected to operate with delay during the AM and the PM peak hour. It is recommended to retime the signal or implement a 2-lane roundabout to maintain LOS standards. The development is not responsible to implement a roundabout.

- The intersection of SR 19 and Central Avenue is projected to operate with delay in the eastbound and the westbound movement. The westbound movement does not carry any project traffic.

- The intersection of SR 19 and Revels Road is projected to operate with delay in the eastbound and westbound directions. The westbound movement does not carry any project traffic.

- The intersection of SR 19 and CR 455 is projected to operate with delay for the westbound left movement. Project trips contribute no traffic to the movement.

- In lieu of contributing a proportional share to the three (3) intersections where traffic signals are projected to be needed, the developer is recommending to construct the traffic signal at the intersection of SR 19 and Revels Road.

- A traffic signal at SR 19 and Revels Road traffic signal needs to be warranted based on a signal warrant study of the in-field traffic volumes. An Intersection Control Evaluation (ICE) study will also need to be coordinated with FDOT.

- All remaining study intersections are projected to operate adequately at project buildout.

- The turn lane recommendations are as follows:
    - Construct a 430-foot northbound left turn lane and a 405-foot southbound right turn lane at the intersection of SR 19 and Revels Road.
    - Construct a 655-foot westbound left turn lane and a 420-foot eastbound right turn lane at the intersection of Number 2 Road and Spine Road.

APPENDICES

Appendix A
Study Methodology and Response to Comments Letter

MEMORANDUM

May 23, 2023

Re: Mission Rise
Traffic Impact Analysis Methodology, v1.1
Town of Howey-In-The-Hills, Florida
Project № 23017.1

This methodology outlines the proposed Traffic Impact Analysis (TIA) for the above referenced project. This methodology was prepared in accordance with the requirements of the Town of Howey-In-The-Hills and the Lake~Sumter Metropolitan Planning Organization (LSMPO) TIA guidelines for a Tier 2 TIA. This methodology has been revised in accordance with the comments provided by the Town of Howey-In-The-Hills. The comments and response to comments letter are included in the **Attachments**.

Project Description

The ±243.3-acre site is a single-family residential development consisting of 592 dwelling units. The project site consists of parcels 34-20-25-0001-000-00100, 34-20-25-0004-000-01003, 02-21-25-0002-000-04800, and 27-20-25-0004-000-01200. The anticipated buildout year is 2033. A preliminary site plan is included in the **Attachments**.

Project Location

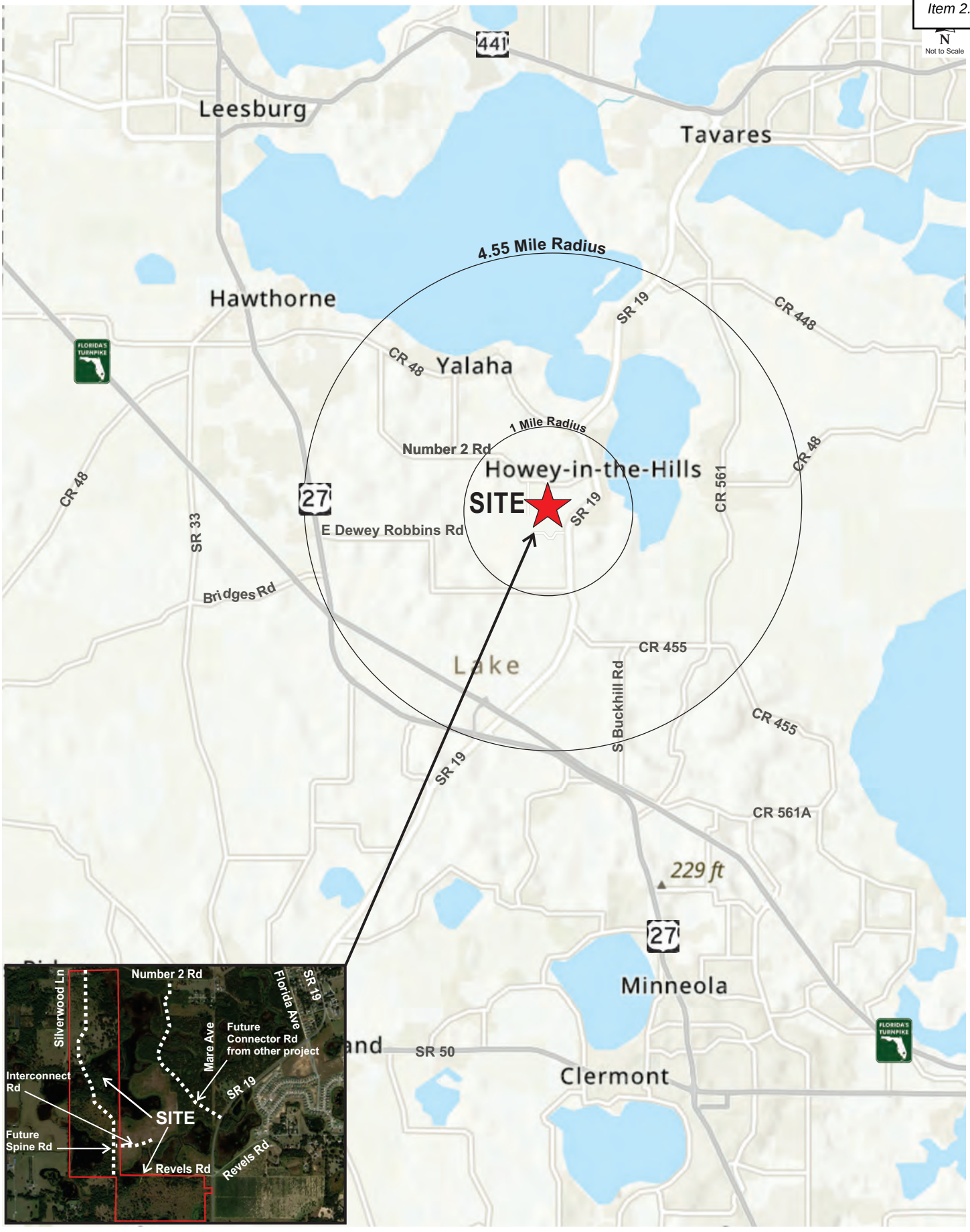
The site is located east of Silverwood Lane, west of SR 19 (South Palm Avenue), and south of Number 2 Road in the Town of Howey-in-the-Hills, Florida. The site will be crossed from north to south by a future two-lane spine road that will connect Number 2 Roadway with Revels Road, as shown in **Figure 1**.

Project Access

The project has access to the external network via one (1) full access driveway on Number 2 Road and one (1) full access driveway on SR 19. In addition, there is an emergency access to the south via Orange Blossom Road. The access configuration is depicted in the preliminary site plan included in the **Attachments**.

Trip Generation

A trip generation analysis was performed for the development using the trip generation information from the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition.* The ITE information sheets are included in the **Attachments**. The trip generation of the proposed development is summarized in **Table 1**.



Site Location Map
Mission Rise v1.1
23017.1

Figure
1

Table 1
Trip Generation Analysis

ITE Code	Land Use	Size	Daily		AM Peak Hour				PM Peak Hour			
			Eqvlt Rate	Trips	Eqvlt Rate	Total	Enter	Exit	Eqvlt Rate	Total	Enter	Exit
210	Single Family Residential (Detached)	592 DU	8.75	5,181	0.63	376	94	282	0.89	529	333	196

Trip Generation analysis based on ITE Trip Generation Manual, 11th Edition.

The proposed development at project buildout is projected to generate 5,181 new daily trips of which 376 trips occur during the AM peak hour, and 529 trips occur during the PM peak hour.

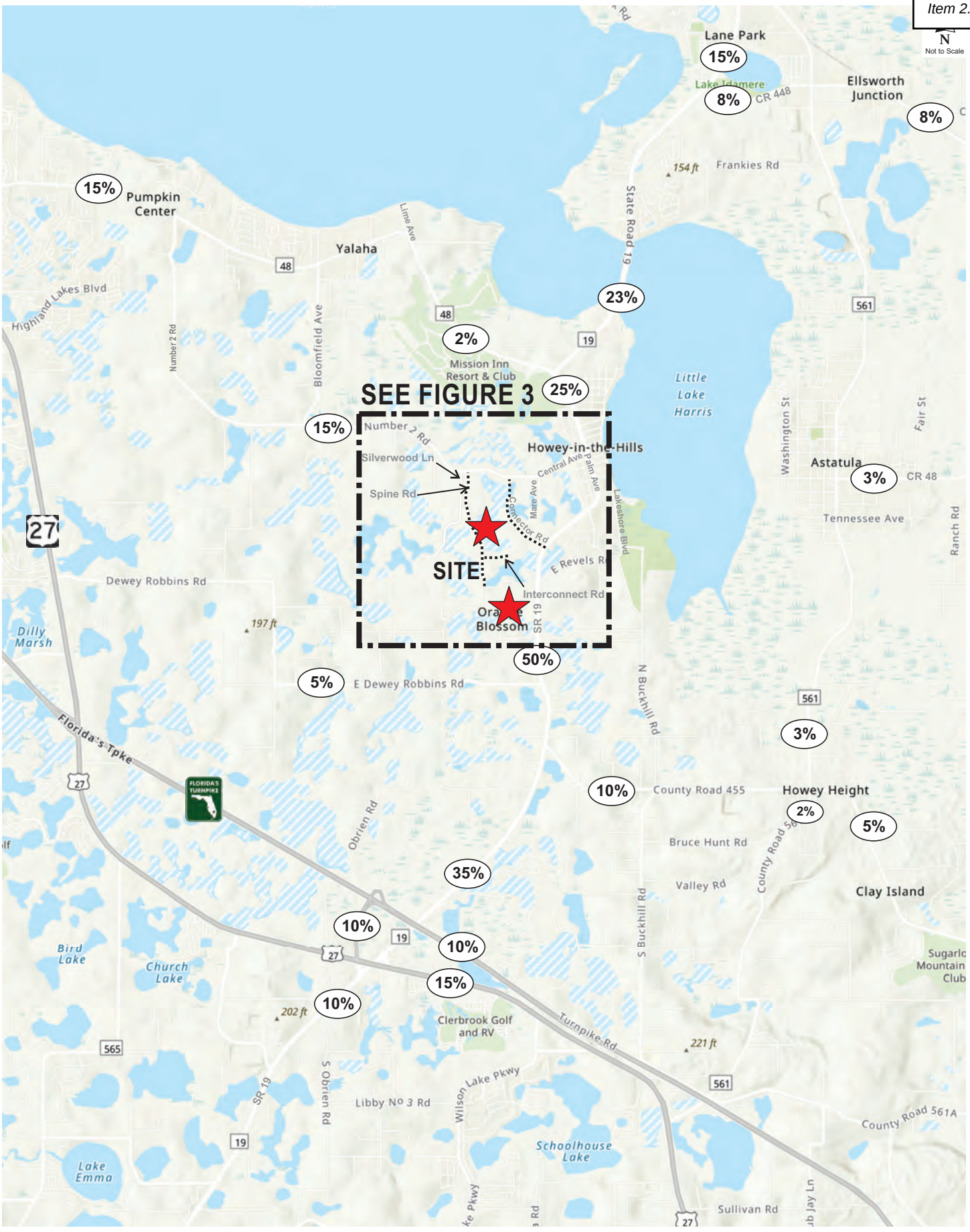
Trip Distribution

A trip distribution pattern in the general vicinity of the project site was initially determined based on the *Central Florida Regional Planning Model (CFRPM v7)*. Two (2) future connections (Spine Road and Connector Road) from SR 19 to Number 2 Road were included in the model for this project. The model distribution was modified to reflect the local network and prevailing traffic patterns. The proposed trip distribution pattern is provided in **Figure 2**. Detailed trip distribution near the project site is shown in **Figure 3**. The model distribution plots are included in the **Attachments**.

Study Area

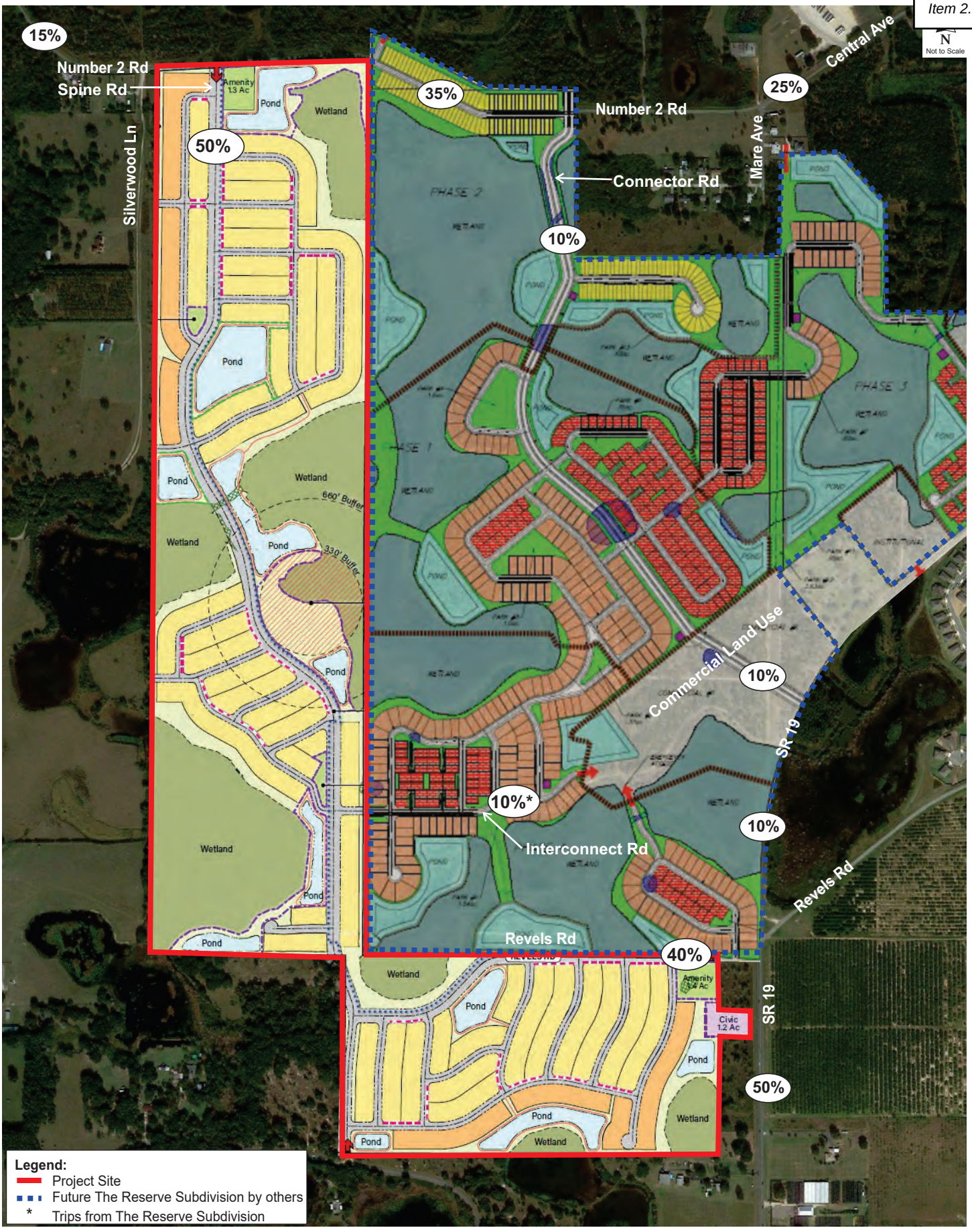
In accordance with the LSMPO requirements for a Tier 2 TIA methodology, the study area will include a minimum 1-mile radius plus all roadway segments within a 4.55-mile radius in addition to roadways where the development is projected to consume 5% or more of their adopted Level of Service (LOS), unless otherwise specified by the City/LSMPO.

The extent of the study impact area shall be determined by the area of influence of the project. The area of influence shall be established as one-half (½) the total trip length associated with the land use of the proposed development, based upon the *2021 Lake County Transportation Impact Fee Update Study Final Report*. The total trip length for single-family is 9.1-miles. Accordingly, the area of influence will encompass all roadway segments within 4.55-mile radius. Excerpts of the *2022 Lake County Congestion Management Process (CMP) Database*, the *2021 Lake County Transportation Impact Fee Update Study Final Report*, and the *2023 FDOT Multimodal Quality/Level of Service (Q/LOS) Handbook Appendix B* are included in the **Attachments**. **Table 2** lists all roadway segments within the area of influence along with their capacities and percentages consumed by the project trips.



Project Trip Distribution
Mission Rise v1.1
23017.1

Figure 2



Project Trip Distribution Near the Project Site

Mission Rise v1.1
23017.1

Figure 3

Table 2
Study Area

Roadway Segment	SEG ID	No Lns	Area Type	Median Type	Speed Limit	LOS Std	Pk Dir Cap	Dir	Project Dist	Project Trips	Within 1-Mile? **	% Cap	In Study?
CR 455													
SR 19 to	950	2	R	Undivided	45	C	740	EB	10%	20	NO	2.7%	NO
CR 561								WB		33		4.5%	
CR 561 to	960	2	R	Undivided	25	C	410	EB	5%	10	NO	2.4%	NO
CR 561A								WB		17		4.1%	
CR 48													
US 27 to	1240	2	U	Undivided	40	D	1,080	EB	15%	50	NO	4.6%	NO
Lime Ave								WB		29		2.7%	
Lime Ave to	1250	2	U	Undivided	40	D	1,080	EB	2%	7	NO	0.6%	NO
SR 19								WB		4		0.4%	
CR 561 to	1260	2	U	Undivided	40	D	840	EB	3%	6	NO	0.7%	NO
Ranch Rd								WB		10		1.2%	
Ranch Rd to	1270	2	R	Undivided	40	C	410	EB	3%	6	NO	1.5%	NO
CR 448A								WB		10		2.4%	
CR 561													
CR 448 to	1410	2	U	Undivided	50	D	1,080	NB	0%	0	NO	0.0%	NO
CR 48								SB		0		0.0%	
CR 48 to	1420	2	U	Undivided	40	D	620	NB	3%	10	NO	1.6%	NO
South Astatula City Limit								SB		6		1.0%	
South Astatula City Limit	1430	2	U	Undivided	40	D	1,080	NB	3%	10	NO	0.9%	NO
to CR 455								SB		6		0.6%	
CR 455 to	1440	2	R	Undivided	35	C	470	NB	2%	7	NO	1.5%	NO
Howey Cross Rd								SB		4		0.9%	
Howey CRoss Rd to	1450	2	R	Undivided	40	C	640	NB	2%	7	NO	1.1%	NO
Turnpike Rd / CR 561A								SB		4		0.6%	
SR 19													
Lane Park Rd to	3040	2	U	Undivided	55	D	920	NB	23%	45	NO	4.9%	**YES**
CR 48								SB		77		**8.4%**	
CR 48 to	3050	2	U	Undivided	40	D	700	NB	25%	49	NO	**7.0%**	**YES**
Central Ave								SB		83		**11.9%**	
Central Ave to	3060	2	U	Undivided	35	D	1,200	NB	50%	167	**YES**	**13.9%**	**YES**
CR 455								SB		98		**8.2%**	
CR 455 to	3070	2	R	Undivided	55	C	450	NB	35%	117	NO	**26.0%**	**YES**
US 27 / SR 25								SB		69		**15.3%**	
US 27 / SR 25	3080	2	R	Undivided	55	C	450	NB	20%	67	NO	**14.9%**	**YES**
to CR 478								SB		39		**8.7%**	
SR 91 (Florida Turnpike)													
US 27/SR 25 to	3566	4	U	Freeway	70	B	2,230	EB	10%	20	NO	0.9%	NO
US 27/SR 25/SR 19 Interchange								WB		33		1.5%	
US 27/SR 25													
SR 19 to	3830	4	U	Divided	55	D	3,280	EB	15%	29	NO	0.9%	NO
CR 561								WB		50		1.5%	
Central Ave													
SR 19 to	N/A	2	U	Undivided	30	D	770 *	EB	25%	49	**YES**	**6.4%**	**YES**
Mare Ave								WB		83		**10.8%**	
Number 2 Rd													
Mare Ave to	N/A	2	U	Undivided	30	D	730 *	EB	35%	69	**YES**	**9.5%**	**YES**
Silverwood Ln								WB		117		**16.0%**	
Silverwood Ln to	N/A	2	U	Undivided	45	D	730 *	EB	15%	29	**YES**	4.0%	**YES**
CR 48								WB		50		**6.8%**	

Source: 2022 Lake County CMP Database
** 2023 FDOT Multimodal Quality/Level of Service Handbook, Appendix B: Florida's Generalized Service Volume Tables*
Bold numbers represent capacity equal or higher than 5%.

Based on the study area analysis, the following roadway segments will be analyzed for the PM peak hour:

- SR 19
  - Lane Park Road to CR 48
  - CR 48 to Central Avenue
  - Central Avenue to CR 455
  - CR 455 to US 27 / SR 25
  - US 27 / SR 25 to CR 478

- Central Avenue
  - SR 19 to Mare Avenue

- Number 2 Road
  - Mare Avenue to Silverwood Lane
  - Silverwood Lane to CR 48

The following intersections will be analyzed for the AM and PM peak hours:

- SR 19 and CR 48 (Signalized)
- SR 19 and Central Avenue (Unsignalized)
- SR 19 and South Florida Avenue (Unsignalized)
- SR 19 and Revels Road (Unsignalized)
- SR 19 and CR 455 (Unsignalized)
- Spine Road and Interconnect Road (Proposed)
- Number 2 Road and Spine Road (North Project Access) (Proposed)
- Revels Road and Spine Road (South Project Access) (Proposed)

Projected Traffic

Projected traffic includes background traffic volumes, the project trips, and committed trips. Projected background traffic will be calculated using the historical growth rates obtained from the *Lake County CMP* database and *FDOT Florida Traffic Online* web-based database. A 2%, minimum growth rate will be applied if the calculated growth rates are lower than 2%. The committed trips for the following approved developments within the study area will be added to the background traffic:

- The Reserve (traffic study obtained)
- Talichet Phase 2 (traffic study obtained)
- Whispering Hills (traffic study obtained)
- Lake Hills (City to provide traffic study)
- Watermark (City to provide traffic study)

Planned and Programmed Improvements

The *Lake-Sumter Metropolitan Planning Organization (LSMPO) 2023-2027 Transportation Improvement Program (TIP),* as well as *LSMPO 2022 List of Priority Projects (LOPP)* were reviewed to identify any planned or programmed improvements to the transportation facilities in this area. As shown in **Table 3**, construction is not planned to be completed within the next three (3) years for either improvement. Excerpts from the *LSMPO TIP* and *LSMPO LOPP* are provided in the **Attachments**.

Table 3
Planned and Programmed Improvements

FM #	Project Name	From	To	Proposed Phase	Proposed Phase FY	Description of Improvement
2383191	SR 19 *	CR 48	CR 561	PDE-PE-ENV	2023	Add Lanes & Reconstruct
238319-1	SR 19 **	Howey Bridge	CR 561	-	-	Road Widening

** LSMPO TIP Fiscal Year 2023-2027*
*** LSMPO 2022 LOPP Tier 2 project*

Capacity Analysis

The traffic study will include existing and 2033 buildout conditions for the roadway segment and intersection capacity analyses. A capacity analysis of the study roadway segments will be conducted for the PM peak hour under existing and projected conditions. The capacity analysis will be based on service volumes, capacities, and existing volumes, as documented in *2022 Lake County CMP Database* and the *FDOT's 2023 Multimodal Quality/Level of Service (MQ/LOS) Handbook,* included in the **Attachments**.

The intersection turning movement counts will be seasonally adjusted, if needed, using the *2022 FDOT Peak Season Factor Category Report* obtained from the *Florida Traffic Online (FTO)* website.

Right and left turn lane warrant reviews will be performed at the Spine Road accesses on Number 2 Road and at SR 19 and Revels Road in accordance with the Lake County requirements for turn lanes.

In cases where projected conditions require mitigation as a result of the proposed development, an analysis including the recommended mitigation will be conducted.

Alternative Mode Analysis

A review of transit, pedestrian, and bicycle facilities will be conducted in accordance with the LSMPO requirements.

Report

A TIA report detailing the methods and findings of the study, including all associated graphics, tables, calculations, and supporting information will be prepared for submittal to the Town of Howey-In-The-Hills.

ATTACHMENTS

Traffic & Mobility Consultants

May 23, 2023

Mr. John Brock
Town Clerk
PO Box 125
Howey-In-The-Hills, Florida 34737
jbrock@howey.org

Re: Mission Rise
Response to Methodology Comments
TMC Project № 23017.1
Town Howey-In-The-Hills, Florida

Dear Mr. Brock,

Please find below our responses to the review comments prepared on behalf of The Town of Howey-In-The-Hills by TMH Consulting Inc dated May 8, 2023, regarding the above referenced Methodology dated April 28, 2023. The comments are listed in **bold** typeface and the TMC responses follow in *italic* typeface. Additionally, a revised Methodology is provided under cover reflecting the changes resulting from these comments.

1. **The Revels Road access to the south cannot be limited to emergency access as this is a public road now. Since we have received comments from residents to the south, it will be very useful to get some type of prediction about how many trips are likely to use this access point as opposed to SR 19 and Number 2 Road.**

   TMC Response: The emergency access on Orange Blossom Road will be restricted to emergency vehicles only; therefore, no trips were assigned to that access.

2. **There is an interconnect between the Mission Rise parcel and The Reserve parcel. Is the model sensitive enough to determine if this interconnect will impact trip assignments? The Reserve has an approved connecting road which is discussed in the TMC methodology. The Reserve also includes a future commercial development area that might be an attractor.**

   TMC Response: Noted. The Reserve Subdivision includes a future commercial development, therefore, 10% of the trips are assumed to originate from The Reserve's commercial development and use the interconnect road to access the project site.

3. **The study needs to include those projects that have some level of approval. TMC has done the traffic studies for several of these and been provided with traffic studies from others. The projects that need to be included are:**

   - **The Reserve**
   - **Watermark**
   - **Talichet Phase 2 (Phase 1 is mostly in the background traffic by now.)**
   - **Whispering Heights**
   - **Lake Hills**

TMC Response: Noted. The vested trips from The Reserve, Watermark, Talichet Phase 2, Whispering Heights [Whispering Hills], and Lake Hills will be included in the traffic study as indicated in the revised methodology (attached).

4. **The study needs to include CFRPM distributions that show the percentages of future background through traffic that will use the new roads in Mission Rise and The Reserve that link No 2 Road to SR 19. Use that data to project future background traffic volumes on those links.**

   TMC Response: Noted. As reflected in Figure 2, the future Spine Road, which transverses the project site from north to south and connects Number 2 Road with Revels Road, and the future Connector Road, which connects SR 19 and Number 2 Road are included in the project trip distribution Figure 2 in the revised methodology (attached).

5. **The project trip distribution map is basically unreadable. They need to provide a graphic that someone can review and understand.**

   TMC Response: Noted. The distribution map has been revised to show an inset with the detail project distribution within the project site. See Figure 2 in the revised methodology (attached).

6. **SR 19 at Central Avenue is listed as signalized, but it is only a flashing light. The analysis cannot assume it is a true signal.**

   TMC Response: Noted. SR 19 at Central Avenue intersection is listed as an unsignalized intersection in the revised methodology (attached).

7. **The ITE land use, code 210, shows traffic generation as 9.43 trips per unit with 0.70% for the AM Peak and 0.94% for the PM Peak. Why did they use 8.75, 0.63 and 0.89 respectively for the project traffic generation?**

   TMC Response: Per the Trip Generation Handbook, 3rd Edition Figure 4.2 (Process for selecting average rate or equation in trip generation manual data) linear curve equations should be used for the weekday, AM, and PM peak period trip generation calculation. The linear curve equations have an R^2 equal to 0.75 or greater, therefore, the fitted curve equations were used instead of average rate.

   The linear curve equations used for the 592 dwelling residential units corresponding to the weekday, AM, and PM trips are as follows:

   Weekday: Ln(T)=0.92 Ln(X)+2.68 which is equivalent to an average rate of 8.75 (5,181/592).
   AM: Ln(T)=0.91 Ln(X)+0.12 which is equivalent to an average rate of 0.63 (376/592).
   PM: Ln(T)=0.94 Ln(X)+0.27 which is equivalent to an average rate of 0.89 (529/592).

END OF COMMENTS

We trust these responses and the revised Methodology adequately address the review comments. We remain available to discuss this matter further or to answer any questions you may have.

Kind regards,

TRAFFIC & MOBILITY CONSULTANTS LLC

Charlotte N. Davidson, PE
Senior Transportation Engineer

Traffic & Mobility Consultants

October 17, 2023

Mr. J. Brock
Town Clerk
Howey-in-the-Hills/Development Review Committee
101 North Palm Avenue
Howey-in-the-Hills, FL 34737
jbrock@howey.prg

Re: Mission Rise
Response to Traffic Impact Analysis Comments
TMC Project № 23017.1
Howey-in-the-Hills, Florida

Dear Mr. Brock,

Please find below our responses to the review comments prepared by Griffey Engineering Inc. on behalf of The Town of Howey-in-the-Hills, dated October 9, 2023, regarding the above referenced Traffic Impact Analysis dated August 2023. The comments are listed in **bold** typeface and the TMC responses follow in *italic* typeface. Additionally, a revised Traffic Impact Analysis is provided under cover reflecting the changes resulting from these comments.

Traffic Study

1. **Figures in the report are missing. They need to be included.**

   TMC Response: Figures have been included in the report.

2. **For the future condition analysis of the intersection of SR 19 & CR 48, evaluate for a roundabout as well as signal timing adjustment.**

   TMC Response: A roundabout at the intersection of SR19 & CR 48 has been evaluated and the results of the analysis have been included in the TIA v1.3 report.

Recommended Improvements

3. **The traffic study identifies three intersections along SR 19 that will need to be signalized in the future (SR 19 & Central Ave., SR 19 & Revels Rd., and SR 19 & CR 455). The Development Agreement has a section that addresses proportionate share payment for off-site impacts. In the study's mitigation analysis it states: "In lieu of contributing a proportionate share to the three (3) intersections needing new traffic signals, the developer is recommending to construct the new traffic signal at SR 19 and Revels Road, which serves as the main access to the project." This is a reasonable mitigation alternative provided that there is a binding commitment for the developer to construct (or fund) the signal when it is deemed warranted by FDOT. This would be in addition to the turn lanes that the development will need to install at the intersection (right & left on SR 19, and right & through/left on EB Revels).**

   TMC Response: Acknowledged.

END OF COMMENTS

We trust these responses and the revised Traffic Impact Analysis adequately address the review comments. We remain available to discuss this matter further or to answer any questions you may have.

Kind regards,

TRAFFIC & MOBILITY CONSULTANTS LLC

Charlotte N. Davidson, PE
Senior Transportation Engineer

Appendix B
Preliminary Development Plan

PRELIMINARY AREA SUMMARY

Total Property Acreage	**+/- 241.3 Ac**
Required Open Space	+/- 60.3 Ac
Additional Wetlands	+/- 31.0 Ac
Developable (Net Land Area)	**+/- 148.0 Ac**

OPEN SPACE ACREAGE

Required (Min 25%)	**+/- 60.3 Ac**
Provided (27.3%)	**+/- 66.0 Ac**
Stormwater (15.4%)	+/- 17.8 Ac
Misc. Open Space	+/- 18.1 Ac
Wetlands (50% Allowed)	+/- 30.1 Ac

DEVELOPMENT SUMMARY

Total Site Parcel Length	**+/- 29,080 LF**
Total Buildable Parcel	+/- 27,626 LF*
Total SFD 55'x120' Parcel	**+/- 23,590 LF**
Total Buildable SFD	+/- 22,410 LF*
Total 55' Units	**407 Lots (86%)**
Total SFD 75'x120' Parcel	**+/- 5,490 LF**
Total Buildable SFD	+/- 5,215 LF*
Total 75' Units	**69 Lots (14%)**
Total SFD Units	**476 Units**
Development Density	**3.2 du/ac**

*Assumes a 5% loss of developable area

NON-RESIDENTIAL ACREAGE

Required (Min 15%)	**+/- 22.2 Ac**
Provided (15%)	**+/- 22.2 Ac**
Civic (5%)	+/- 1.1 Ac
Amenities	+/- 4.2 Ac
Mis. Open Space	+/- 6.6 Ac
Stormwater	+/- 4.7 Ac
Bike Trail	+/- 5.6 Ac

LEGEND

- Non-Residential
- Endcap Parallel Parking
- Pedestrian Path
- Bike Trail

SILVERWOOD LN.
25' Landscaped Berm / 15' Landscaped Buffer with 6' Wall
Access
Property Boundary
Amenity 1.3 Ac
Wetland W3
NUMBER 2 RD.
TO CITY PROPERTY
POND
PHASE 2
WETLAND
PARK #4 1.6ac.
PARK #6 .76ac.
PARK #7 .80ac.
PHASE 1
Wetland W2
PARK #3 1.0ac.
COMMERCIAL
PARK #2 .37ac.
EMERGENCY ACCESS
PARK #1 .55ac.
PHASE 4
Wetland W1
Wetland W6
REVELS RD.
Amenity 1.1 Ac
Civic 1.1 Ac
Wetland W4
Wetland W5
S. PALM AVE.
PARK #5 .26ac.

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MISSION RISE • **CONCEPTUAL PLAN**

- Town of Howey Hills, FL
- December 22, 2022
- # 22003786
- Turnstone Group

0 300' 600'

SCALE: 1" = 300'

The plan is conceptual in nature. Final densities, layout, development parameters, calculations, and site conditions may change upon further development of the Preliminary and/or Master Site Plan, and upon evaluation of topographic survey, water management and existing historic and specimen trees to remain.

Appendix C
Lake County CMP Database and 2023 FDOT Q/LOS

Lake County CMP Database

SEGMENT ID	COUNTY STATION	FDOT STATION	DATA SOURCE	SPEED LIMIT	SEGMENT LENGTH (MI)	ROAD NAME	FROM	TO	LANES (2022)	LANES (2027)	URBAN / RURAL	DIVIDED / UNDIVIDED	MAINTAINING AGENCY	JURISDICTION	ADOPTED LOS STANDARD	DAILY SERVICE VOLUME	2022 AADT	2022 DAILY V/C	2022 DAILY LOS	PEAK HOUR DIRECTIONAL SERVICE VOLUME	2022 PEAK HOUR NB/EB VOLUME	2022 PEAK HOUR SB/WB VOLUME	2022 PEAK HOUR V/C	2022 PEAK HOUR LOS	GROWTH RATE	DAILY SERVICE VOLUME (2027)	2027 AADT	2027 DAILY V/C	2027 DAILY LOS	PEAK HOUR DIRECTIONAL SERVICE VOLUME (2027)	2027 PEAK HOUR NB/EB VOLUME	2027 PEAK HOUR SB/WB VOLUME	2027 PEAK HOUR V/C	2027 PEAK HOUR LOS
1100	497		County	35	1.75	C.R. 466B	EAGLE NEST ROAD	CR 466A	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	10,360	5,060	0.49	C	530	193	233	0.44	C	1.25%	10,360	5,385	0.52	D	530	205	248	0.47	C
1110	490		County	35	0.55	C.R. 468	CR 466A	PINE RIDGE DAIRY ROAD	2	2	URBAN	UNDIVIDED	COUNTY	FRUITLAND PARK	D	10,360	4,719	0.46	C	530	190	213	0.40	C	1.25%	10,360	5,021	0.48	C	530	202	227	0.43	C
1120	480		County	35	1.80	C.R. 468	PINE RIDGE DAIRY ROAD	GRIFFIN ROAD	2	2	URBAN	UNDIVIDED	COUNTY	FRUITLAND PARK	D	13,320	7,736	0.58	D	680	343	384	0.56	D	3.00%	13,320	8,968	0.67	D	680	398	445	0.65	D
1130	436		County	45	1.13	C.R. 468	GRIFFIN ROAD	SR 44	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	12,390	9,173	0.74	C	620	440	404	0.71	C	1.75%	12,390	10,005	0.81	C	620	480	440	0.77	C
1145	612		County	55	3.65	C.R. 46A REALIGNMENT	SR 44	SR 46	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	7,740	16,576	2.14	E	410	663	857	2.09	E	3.50%	7,740	19,687	2.54	E	410	788	1,018	2.48	E
1150	267		County	55	0.94	C.R. 470	SUMTER COUNTY LINE	FLORIDA TURNPIKE	2	4	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	13,300	11,303	0.85	D	690	530	376	0.77	D	8.50%	28,880	16,996	0.59	C	1,500	797	566	0.53	C
1155	266		County	55	2.39	C.R. 470	FLORIDA TURNPIKE	BAY AVENUE	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	12,600	8,826	0.70	D	660	436	278	0.66	D	1.00%	12,600	9,276	0.74	D	660	458	292	0.69	D
1160	266		ADJACENT	55	0.54	C.R. 470	BAY AVENUE	CR 33	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	12,390	8,826	0.71	C	620	436	278	0.70	C	1.00%	12,390	9,276	0.75	C	620	458	292	0.74	C
1170	499		County	35	2.99	C.R. 473	CR 44	FOUNTAIN LAKE BOULEVARD	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	14,060	6,957	0.49	D	710	322	242	0.45	C	1.00%	14,060	7,312	0.52	D	710	338	255	0.48	C
1180	443		County	40	1.03	C.R. 473	FOUNTAIN LAKE BOULEVARD	US 441	4	4	URBAN	DIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	35,820	14,713	0.41	C	1,800	811	461	0.45	C	1.00%	35,820	15,464	0.43	C	1,800	852	485	0.47	C
1190	4		County	55	5.21	C.R. 474	SR 33	GREEN SWAMP ROAD	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	7,740	5,962	0.77	C	410	151	240	0.59	C	2.50%	7,740	6,745	0.87	C	410	171	272	0.66	C
1200	3		County	55	3.35	C.R. 474	GREEN SWAMP ROAD	US 27	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	7,740	5,436	0.70	C	410	173	202	0.49	B	1.00%	7,740	5,713	0.74	C	410	182	212	0.52	B
1210	222		County	45	5.99	C.R. 478	SR 19	JAMARLY ROAD	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF GROVELAND	D	21,780	2,244	0.10	B	1,080	112	93	0.10	B	7.75%	21,780	3,259	0.15	B	1,080	162	135	0.15	B
1220	259		County	55	3.17	C.R. 48	SUMTER COUNTY LINE	CLEARWATER LAKE RD	2	2	RURAL	UNDIVIDED	COUNTY	CITY OF LEESBURG	C	7,740	3,504	0.45	B	410	112	180	0.44	B	4.25%	7,740	4,315	0.56	C	410	138	222	0.54	C
1225	248		County	55	2.41	C.R. 48	CLEARWATER LAKE RD	CR 33	2	2	RURAL	UNDIVIDED	COUNTY	CITY OF LEESBURG	C	7,740	3,327	0.43	B	410	123	206	0.50	B	1.75%	7,740	3,629	0.47	B	410	134	224	0.55	C
1230	263		County	45	0.46	C.R. 48	CR 33	HAYWOOD WORM FARM RD	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	15,930	8,836	0.55	C	790	370	297	0.47	C	2.75%	15,930	10,120	0.64	C	790	424	340	0.54	C
1235	262		County	45	0.68	C.R. 48	HAYWOOD WORM FARM RD	US 27	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	16,820	9,073	0.54	C	840	401	375	0.48	C	1.00%	16,820	9,536	0.57	C	840	421	394	0.50	C
1240	264		County	40	4.89	C.R. 48	US 27	LIME AVENUE	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	21,780	9,821	0.45	B	1,080	420	380	0.39	B	4.00%	21,780	11,949	0.55	C	1,080	511	462	0.47	B
1250	255		County	40	2.04	C.R. 48	LIME AVENUE	SR 19	2	2	URBAN	UNDIVIDED	COUNTY	HOWEY-IN-THE-HILLS	D	21,780	9,982	0.46	B	1,080	429	404	0.40	B	1.50%	21,780	10,754	0.49	C	1,080	462	435	0.43	B
1260	253		County	40	1.14	C.R. 48	CR 561	RANCH ROAD	2	2	URBAN	UNDIVIDED	COUNTY	TOWN OF ASTATULA	D	16,820	6,515	0.39	C	840	310	292	0.37	C	1.00%	16,820	6,847	0.41	C	840	326	307	0.39	C
1270	253		ADJACENT	40	3.17	C.R. 48	RANCH ROAD	CR 448A	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	7,740	6,515	0.84	C	410	310	292	0.76	C	1.00%	7,740	6,847	0.88	C	410	326	307	0.80	C
1280	217		County	30	0.71	C.R. 50 (SUNSET AVENUE)	CR 33	SR 50	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MASCOTTE	D	10,360	1,592	0.15	C	530	66	95	0.18	C	1.75%	10,360	1,736	0.17	C	530	72	104	0.20	C
1290	210		County	45	1.74	C.R. 50	US 27	N HANCOCK ROAD	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MINNEOLA	D	16,820	6,981	0.42	C	840	285	346	0.41	C	1.00%	16,820	7,337	0.44	C	840	299	363	0.43	C
1300	202		County	45	2.47	C.R. 50	N HANCOCK ROAD	CR 455	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	21,780	6,877	0.32	B	1,080	228	491	0.45	B	2.00%	21,780	7,593	0.35	B	1,080	251	542	0.50	C
1310	42		County	45	1.92	C.R. 50	CR 455	ORANGE COUNTY LINE	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	16,820	6,828	0.41	C	840	195	557	0.66	C	1.00%	16,820	7,176	0.43	C	840	205	585	0.70	C
1320	417		County	35	1.08	C.R. 500A/ OLD 441	SR 19	DORA AVENUE	2	2	URBAN	DIVIDED	COUNTY	CITY OF TAVARES	D	8,390	9,907	1.18	F	870	367	450	0.52	D	1.00%	8,390	10,412	1.24	F	870	386	473	0.54	D
1325	417		County	35	1.08	C.R. 500A/ OLD 441	SR 19	DORA AVENUE	2	2	URBAN	DIVIDED	COUNTY	CITY OF TAVARES	D	8,390	9,907	1.18	F	870	367	450	0.52	D	1.00%	8,390	10,412	1.24	F	870	386	473	0.54	D
1330	413	115084	County	45	1.94	C.R. 500A/OLD 441/ALFRED ST	DORA AVENUE	BAY ROAD	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF TAVARES	D	16,820	9,558	0.57	C	840	489	424	0.58	C	1.00%	16,820	10,045	0.60	C	840	514	446	0.61	C
1340	420		County	35	0.79	C.R. 500A/OLD 441	BAY ROAD	CR 44C / EUDORA AVENUE	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MOUNT DORA	D	10,360	9,917	0.96	D	530	465	458	0.88	D	2.50%	10,360	11,220	1.08	F	530	526	518	0.99	D
1350	421		County	35	1.06	C.R. 500A/OLD 441	CR 44C / EUDORA DRIVE	LAKESHORE DRIVE	2	2	URBAN	DIVIDED	COUNTY	CITY OF MOUNT DORA	D	14,760	16,591	1.12	F	750	725	761	1.01	E	4.25%	14,760	20,430	1.38	F	750	893	937	1.25	F
1360	415		County	35	0.79	C.R. 500A/OLD 441	LAKESHORE DRIVE	5TH AVENUE	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MOUNT DORA	D	10,360	11,207	1.08	F	530	469	505	0.95	D	4.25%	10,360	13,800	1.33	F	530	577	621	1.17	F
1370	415		ADJACENT	25	0.63	C.R. 500A/ 5TH AVENUE	OLD 441	N HIGHLAND STREET	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MOUNT DORA	D	10,360	11,207	1.08	F	530	469	505	0.95	D	4.25%	10,360	13,800	1.33	F	530	577	621	1.17	F
1380	605		ADJACENT	30	0.26	C.R. 500A (HIGHLAND STREET)	5TH AVENUE	SR 46	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MOUNT DORA	D	13,320	2,792	0.21	C	680	179	127	0.26	C	3.50%	13,320	3,316	0.25	C	680	213	150	0.31	C
1390	602	115004	County	35	0.75	C.R. 500A/ OLD 441	SR 46	ORANGE COUNTY LINE	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MOUNT DORA	D	10,360	5,849	0.56	D	530	325	244	0.61	D	5.25%	10,360	7,555	0.73	D	530	419	316	0.79	D
1400	401		County	45	1.62	C.R. 561	SR 19	CR 448	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF TAVARES	D	16,820	16,583	0.99	D	840	622	825	0.98	D	4.75%	16,820	20,914	1.24	F	840	784	1,041	1.24	F
1410	257		County	50	3.93	C.R. 561	CR 448	CR 48	2	2	URBAN	UNDIVIDED	COUNTY	ASTATULA/TAVARES	D	21,780	10,160	0.47	B	1,080	507	590	0.55	C	1.00%	21,780	10,678	0.49	C	1,080	533	620	0.57	C
1420	252		County	40	0.63	C.R. 561	CR 48	SOUTH ASTATULA CITY LIMIT	2	2	URBAN	UNDIVIDED	COUNTY	TOWN OF ASTATULA	D	12,390	11,947	0.96	D	620	570	558	0.92	C	1.00%	12,390	12,556	1.01	F	620	599	586	0.97	D
1430	252		ADJACENT	40	2.49	C.R. 561	SOUTH ASTATULA CITY LIMIT	CR 455	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	21,780	11,947	0.55	C	1,080	570	558	0.53	C	1.00%	21,780	12,556	0.58	C	1,080	599	586	0.55	C
1440	242		County	35	1.74	C.R. 561	CR 455	HOWEY CROSS ROAD	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	9,030	7,697	0.85	C	470	369	364	0.78	C	1.00%	9,030	8,606	0.90	C	470	387	382	0.82	C
1450	238		County	40	1.77	C.R. 561	HOWEY CROSS ROAD	TURNPIKE ROAD / CR 561A	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	12,260	8,115	0.66	C	640	328	385	0.60	C	1.00%	12,260	8,529	0.70	C	640	345	405	0.63	C
1460	235		County	45	0.46	C.R. 561 / C.R. 561A	TURNPIKE ROAD / CR 561A	US 27	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	12,390	9,075	0.73	C	620	403	385	0.65	C	1.00%	12,390	9,538	0.77	C	620	423	405	0.68	C
1470	214		County	30	1.78	EAST AVE/LAKE MINNEOLA DR/MAIN AVE	US 27	EAST AVENUE	2	2	URBAN	UNDIVIDED	COUNTY	CLERMONT/MINNEOLA	D	14,060	2,151	0.15	C	710	108	124	0.17	C	3.50%	14,060	2,555	0.18	C	710	128	147	0.21	C
1480	214		ADJACENT	30	1.05	8TH ST/OSCEOLA ST/4TH ST/CARROL ST/3RD S	EAST AVENUE	W MINNEOLA AVENUE	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF CLERMONT	D	10,360	2,151	0.21	C	530	108	124	0.23	C	3.50%	10,360	2,555	0.25	C	530	128	147	0.28	C
1490	115065	115065	State	-	0.42	C.R. 561 (W MINNEOLA AVENUE)	8TH STREET	C.R. 561A	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF CLERMONT	D	12,390	1,085	0.09	C	620	179	186	0.30	C	1.00%	12,390	1,140	0.09	C	620	188	195	0.31	C
1500	203		ADJACENT	35	0.23	C.R. 561	C.R. 561A	SR 50	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF CLERMONT	D	14,060	5,175	0.37	C	710	278	212	0.39	C	6.50%	14,060	7,090	0.50	D	710	381	290	0.54	D
1510	45		County	25	4.31	C.R. 561	SR 50	LOG HOUSE ROAD	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF CLERMONT	D	14,060	6,597	0.47	C	710	326	276	0.46	C	1.00%	14,060	6,934	0.49	C	710	342	290	0.48	C
1520	10		County	55	1.56	C.R. 561	LOG HOUSE ROAD	FLORIDA BOYS RANCH ROAD	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	16,820	3,767	0.22	C	840	159	156	0.19	C	2.00%	16,820	4,159	0.25	C	840	175	172	0.21	C
1530	6		County	55	5.87	C.R. 561	FLORIDA BOYS RANCH ROAD	SR 33	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	7,740	2,228	0.29	B	410	106	100	0.26	B	2.25%	7,740	2,491	0.32	B	410	118	112	0.29	B
1540	237		County	55	1.16	C.R. 561A	TURNPIKE ROAD / CR 561	SCRUB JAY LN	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	12,390	5,274	0.43	C	620	199	308	0.50	C	1.25%	12,390	5,612	0.45	C	620	212	327	0.53	C
1545	234		County	55	0.69	C.R. 561A	SCRUB JAY LN	N HANCOCK ROAD	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	21,780	5,529	0.25	B	1,080	201	307	0.28	B	1.00%	21,780	5,811	0.27	B	1,080	211	322	0.30	B
1546	234		ADJACENT	55	1.37	C.R. 561A	N HANCOCK ROAD	CR 455	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	21,780	5,529	0.25	B	1,080	201	307	0.28	B	1.00%	21,780	5,811	0.27	B	1,080	211	322	0.30	B
1550	203		County	35	1.69	C.R. 561	W MINNEOLA AVE	C.R. 565A	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	13,320	5,175	0.39	C	680	278	212	0.41	C	6.50%	13,320	7,090	0.53	D	680	381	290	0.56	D
1560	213		County	40	1.67	C.R. 561A	CR 565A	JALARMY ROAD	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	16,820	6,485	0.39	C	840	316	258	0.38	C	4.50%	16,820	8,081	0.48	C	840	393	322	0.47	C
1570	223		County	40	1.11	C.R. 561 (LAKE MINNEOLA SHORES)	JALARMY ROAD	US 27	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MINNEOLA	D	16,820	11,066	0.66	C	840	397	491	0.58	C	3.00%	16,820	12,829	0.76	C	840	460	569	0.68	C
1580	241		County	55	7.01	C.R. 565	US 27	KJELLSTROM LANE	2	2	RURAL	UNDIVIDED	COUNTY	GROVELAND/MASCOTTE	C	14,130	2,347	0.17	B	740	167	70	0.23	B	5.25%	14,130	3,032	0.21	B	740	215	90	0.29	B
1590	208		County	40	0.63	C.R. 565 (VILLA CITY ROAD)	KJELLSTROM LANE	SR 50	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF GROVELAND	D	16,820	5,367	0.32	C	840	247	249	0.30	C	4.25%	16,820	6,608	0.39	C	840	305	307	0.37	C
1600	118063	118063	ADJACENT	45	1.96	C.R. 565	SR 50	SLOANS RIDGE	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MASCOTTE	D	16,820	865	0.05	C	840	44	42	0.05	C	2.00%	16,820	955	0.06	C	840	49	46	0.06	C
1610	118063	118063	State	45	5.44	C.R. 565	SLOANS RIDGE	LAKE ERIE ROAD	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	7,740	865	0.11	B	410	44	42	0.11	B	2.00%	7,740	955	0.12	B	410	49	46	0.12	B
1620	201		County	40	2.78	C.R. 565A	SR 50	CR 561A	2	2	URBAN	UNDIVIDED	COUNTY	CLERMONT/GROVELAND	D	16,820	9,917	0.59	C	840	407	348	0.48	C	2.25%	16,820	11,084	0.66	C	840	454	389	0.54	C
1630	47		County	55	4.60	C.R. 565A	SR 50	CR 565B	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF GROVELAND	D	21,780	2,549	0.12	B	1,080	82	133	0.12	B	3.25%	21,780	2,991	0.14	B	1,080	96	156	0.14	B
1640	18		County	45	3.66	C.R. 565B	SR 33	CR 561	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	7,740	2,796	0.36	B	410	135	152	0.37	B	4.00%	7,740	3,401	0.44	B	410	164	185	0.45	B
1650	434		County	25	0.30	CANAL STREET	US 441	MAIN STREET	2	2	URBAN	DIVIDED	CITY OF LEESBURG	CITY OF LEESBURG	D	13,990	3,765	0.27	C	710	201	137	0.28	C	1.00%	13,990	3,957	0.28	C	710	211	144	0.30	C
1660	426		County	25	0.31	CANAL STREET	MAIN STREET	SR 44	2	2	URBAN	UNDIVIDED	CITY OF LEESBURG	CITY OF LEESBURG	D	13,320	3,169	0.24	C	680	144	127	0.21	C	1.00%	13,320	3,331	0.25	C	680	151	134	0.22	C
1670	205		County	35	1.80	CITRUS TOWER BOULEVARD	US 27	OAKLEY SEAVER DRIVE	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF CLERMONT	D	14,060	12,296	0.87	D	710	651	446	0.92	D	1.00%	14,060	12,923	0.92	D	710	684	469	0.96	D
1680	44		County	30	0.47	CITRUS TOWER BOULEVARD	OAKLEY SEAVER DRIVE	SR 50	4	4	URBAN	DIVIDED	COUNTY	CITY OF CLERMONT	D	29,160	16,240	0.56	D	1,470	561	715	0.49	D	1.00%	29,160	17,068	0.59	D	1,470	590	752	0.51	D
1690	28		County	40	0.28	CITRUS TOWER BOULEVARD	SR 50	HOOKS STREET	4	4	URBAN	DIVIDED	COUNTY	CITY OF CLERMONT	D	35,820	21,470	0.60	C	1,800	798	1,065	0.59	C	1.25%	35,820	22,846	0.64	C	1,800	849	1,134	0.63	C
1692	36		County	30	1.16	CITRUS TOWER BOULEVARD	HOOKS STREET	JOHNS LAKE ROAD	4	4	URBAN	DIVIDED	COUNTY	CITY OF CLERMONT	D	30,780	20,251	0.66	D	1,550	740	901	0.58	D	1.00%	30,780	21,284	0.69	D	1,550	778	947	0.61	D
1695	24		County	40	0.60	CITRUS TOWER BOULEVARD	JOHNS LAKE ROAD	US 27	4	4	URBAN	DIVIDED	COUNTY	CITY OF CLERMONT	D	37,810	17,725	0.47	C	1,900	738	629	0.39	C	1.50%	37,810	19,095	0.51	C	1,900	795	678	0.42	C
1700	442		ADJACENT	35	0.95	DAVID WALKER DRIVE	OLD US 441 / CR 500A	CR 19A	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF TAVARES	D	14,060	8,553	0.61	D	710	388	367	0.55	D	1.00%	14,060	8,989	0.64	D	710	408	386	0.57	D
1710	442		County	35	0.44	DAVID WALKER DRIVE	CR 19A	US 441	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	14,060	8,553	0.61	D	710	388	367	0.55	D	1.00%	14,060	8,989	0.64	D	710	408	386	0.57	D
1720	449		County	35	0.53	DAVID WALKER DRIVE	US 441	MOUNT HOMER ROAD	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF EUSTIS	D	14,060	5,694	0.40	C	710	214	265	0.37	C	1.00%	14,060	5,984	0.43	C	710	225	279	0.39	C
1730	471		County	20	0.74	DAVID WALKER DRIVE	MOUNT HOMER ROAD	FLINKS AVE/KURT AVE	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF EUSTIS	D	10,360	6,537	0.63	D	530	334	277	0.63	D	3.50%	10,360	7,763	0.75	D	530	397	329	0.75	D
1740	406	117014	County	35	2.29	DEAD RIVER ROAD	WEST TERMINI	SR 19	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF TAVARES	D	21,780	6,785	0.31	B	1,080	276	355	0.33	B	1.00%	21,780	7,131	0.33	B	1,080	291	373	0.35	B
1750	617		County	35	1.25	DONNELLY STREET	US 441	11TH AVENUE	2	2	URBAN	DIVIDED	CITY OF MT. DORA	CITY OF MOUNT DORA	D	14,760	11,220	0.76	D	750	535	474	0.71	D	1.00%	14,760	11,792	0.80	D	750	563	498	0.75	D
1760	617		ADJACENT	35	0.38	DONNELLY STREET	11TH AVENUE	5TH AVENUE	2	2	URBAN	UNDIVIDED	CITY OF MT. DORA	CITY OF MOUNT DORA	D	10,360	11,220	1.08	F	530	535	474	1.01	E	1.00%	10,360	11,792	1.14	F	530	563	498	1.06	F
1770	258		County	55	0.64	DUDA ROAD	CR 448A	ORANGE COUNTY LINE	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	9,030	7,250	0.80	C	470	293	323	0.69	C	1.50%	9,030	7,810	0.86	C	470	316	348	0.74	C
1780	510		County	40	1.43	EAGLES NEST ROAD	US 27	CR 466B	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	12,390	4,271	0.34	C	620	198	133	0.32	C	3.75%	12,390	5,134	0.41	C	620	238	160	0.38	C
1790	46		County	30	0.73	EAST AVENUE	CR 561	SR 50	2	2	URBAN	UNDIVIDED	CITY OF CLERMONT	CITY OF CLERMONT	D	10,360	5,841	0.56	D	530	-	-	-	-	1.00%	10,360	6,139	0.59	D	530	-	-	-	-
1800	454		ADJACENT	25	0.85	EAST CROOKED LAKE ROAD	LAKEVIEW DRIVE	BROADVIEW AVENUE	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF EUSTIS	D	10,360	5,153	0.50	D	530	273	167	0.52	D	1.00%	10,360	5,416	0.52	D	530	287	176	0.54	D
1810	454		County	25	0.78	EAST CROOKED LAKE ROAD	BROADVIEW AVENUE	US 441	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF EUSTIS	D	10,360	5,153	0.50	D	530	273	167	0.52	D	1.00%	10,360	5,416	0.52	D	530	287	176	0.54	D
1820	501		County	35	0.77	EMERALDA AVENUE	EMERALDA ISLAND ROAD	CR 44	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	13,320	4,265	0.32	C	680	266	149	0.39	C	2.50%	13,320	4,826	0.36	C	680	301	168	0.44	C
1830	41		County	40	4.26	EMPIRE CHURCH ROAD	CR 565	ANDERSON ROAD	2	2	RURAL	UNDIVIDED	COUNTY	CITY OF GROVELAND	C	7,740	1,442	0.19	B	410	-	-	-	-	1.00%	7,740	1,516	0.20	B	410	-	-	-	-

Lake County CMP Database

SEGMENT ID	COUNTY STATION	FDOT STATION	DATA SOURCE	SPEED LIMIT	SEGMENT LENGTH (MI)	ROAD NAME	FROM	TO	LANES (2022)	LANES (2027)	URBAN / RURAL	DIVIDED / UNDIVIDED	MAINTAINING AGENCY	JURISDICTION	ADOPTED LOS STANDARD	DAILY SERVICE VOLUME	2022 AADT	2022 DAILY V/C	2022 DAILY LOS	PEAK HOUR DIRECTIONAL SERVICE VOLUME	2022 PEAK HOUR NB/EB VOLUME	2022 PEAK HOUR SB/WB VOLUME	2022 PEAK HOUR V/C	2022 PEAK HOUR LOS	GROWTH RATE	DAILY SERVICE VOLUME (2027)	2027 AADT	2027 DAILY V/C	2027 DAILY LOS	PEAK HOUR DIRECTIONAL SERVICE VOLUME (2027)	2027 PEAK HOUR NB/EB VOLUME	2027 PEAK HOUR SB/WB VOLUME	2027 PEAK HOUR V/C	2027 PEAK HOUR LOS
3020	110049	110049	State	45	1.38	SR 19	CR 452 (MAIN STREET)	CR 561	4	4	URBAN	DIVIDED	STATE	CITY OF TAVARES	D	41,790	45,500	1.09	F	2,100	2,203	1,892	1.05	F	4.50%	41,790	56,701	1.36	F	2,100	2,745	2,358	1.31	F
3030	110049	110049	ADJACENT	45	0.90	SR 19	CR 561	LANE PARK ROAD	2	2	URBAN	UNDIVIDED	STATE	CITY OF TAVARES	D	18,590	45,500	2.45	F	920	2,203	1,892	2.39	F	4.50%	18,590	56,701	3.05	F	920	2,745	2,358	2.98	F
3040	110494	110494	State	55	3.87	SR 19	LANE PARK ROAD	CR 48	2	2	URBAN	UNDIVIDED	STATE	HOWEY-IN-THE-HILLS/TAVARES	D	18,590	15,980	0.86	C	920	610	656	0.71	C	1.00%	18,590	16,795	0.90	C	920	641	689	0.75	C
3050	110495	110495	State	40	0.84	SR 19	CR 48	CENTRAL AVENUE	2	2	URBAN	UNDIVIDED	STATE	HOWEY-IN-THE-HILLS	D	14,160	8,950	0.63	C	700	433	372	0.62	C	1.00%	14,160	9,407	0.66	C	700	455	391	0.65	C
3060	110495	110495	ADJACENT	35	3.09	SR 19	CENTRAL AVENUE	CR 455	2	2	URBAN	UNDIVIDED	STATE	HOWEY-IN-THE-HILLS	D	24,200	8,950	0.37	B	1,200	433	372	0.36	B	1.00%	24,200	9,407	0.39	B	1,200	455	391	0.38	B
3070	110255	110255	State	55	2.72	SR 19	CR 455	US 27 / SR 25	2	2	RURAL	UNDIVIDED	STATE	CITY OF GROVELAND	C	8,600	9,910	1.15	D	450	507	435	1.13	D	1.00%	8,600	10,416	1.21	D	450	533	457	1.18	D
3080	110376	110376	State	55	4.73	SR 19	US 27 / SR 25	CR 478	2	2	RURAL	UNDIVIDED	STATE	CITY OF GROVELAND	C	8,600	9,350	1.09	D	450	466	519	1.15	D	1.00%	8,600	9,827	1.14	D	450	490	545	1.21	D
3090	110376	110376	ADJACENT	55	1.22	SR 19	CR 478	LAKE CATHERINE ROAD	2	2	URBAN	UNDIVIDED	STATE	CITY OF GROVELAND	D	17,700	9,350	0.53	C	880	466	519	0.59	C	1.00%	17,700	9,827	0.56	C	880	490	545	0.62	C
3100	110097	110097	State	45	0.70	SR 19	LAKE CATHERINE ROAD	SR 50/ SR 33	2	2	URBAN	UNDIVIDED	STATE	CITY OF GROVELAND	D	17,700	12,950	0.73	C	880	449	533	0.61	C	1.50%	17,700	13,951	0.79	C	880	484	574	0.65	C
3110	115072	115072	State	40	0.52	SR 33	SR 50/ SR 33	ANDERSON ROAD	2	2	URBAN	UNDIVIDED	STATE	CITY OF GROVELAND	D	18,590	14,760	0.79	C	920	470	667	0.73	C	4.25%	18,590	18,175	0.98	D	920	579	821	0.89	C
3120	110497	110497	State	60	3.16	SR 33	ANDERSON ROAD	CR 565B	2	2	RURAL	UNDIVIDED	STATE	CITY OF GROVELAND	C	8,600	10,428	1.21	D	450	533	458	1.18	D	3.75%	8,600	12,535	1.46	D	450	641	551	1.42	D
3130	111002	111002	State	60	6.76	SR 33	CR 565B	CR 561	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	8,600	8,242	0.96	C	450	421	362	0.94	C	1.75%	8,600	8,988	1.05	D	450	459	395	1.02	D
3140	5		County	60	2.33	SR 33	CR 561	CR 474	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	8,600	13,084	1.52	D	450	452	415	1.00	D	1.25%	8,600	13,923	1.62	D	450	480	441	1.07	D
3150	2		County	60	1.04	SR 33	CR 474	POLK COUNTY LINE	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	10,320	10,821	1.05	D	540	352	544	1.01	D	4.50%	10,320	13,485	1.31	F	540	438	678	1.26	F
3160	808		County	45	4.71	SR 40	MARION COUNTY LINE	CR 445A	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	8,600	5,068	0.59	C	450	169	217	0.48	B	2.75%	8,600	5,805	0.68	C	450	193	248	0.55	C
3170	110503	110503	State	55	1.61	SR 40	CR 445A	RIVER ROAD	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	10,320	5,370	0.52	C	540	274	236	0.51	C	1.00%	10,320	5,644	0.55	C	540	288	248	0.53	C
3180	110050	110050	State	45	1.43	SR 40	RIVER ROAD	VOLUSIA COUNTY LINE	2	2	RURAL	DIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	14,220	10,180	0.72	C	740	401	406	0.55	C	4.75%	14,220	12,839	0.90	C	740	506	512	0.69	C
3190	110496	110496	State	55	2.38	SR 44	SUMTER COUNTY LINE	CR 468	4	4	URBAN	DIVIDED	STATE	CITY OF LEESBURG	D	39,800	21,800	0.55	C	2,000	1,071	964	0.54	C	1.00%	39,800	22,912	0.58	C	2,000	1,126	1,013	0.56	C
3200	110487	110487	State	45	1.54	SR 44	CR 468	S LONE OAK DRIVE	4	4	URBAN	DIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	39,800	16,540	0.42	C	2,000	610	720	0.36	C	1.00%	39,800	17,384	0.44	C	2,000	641	757	0.38	C
3210	115147	115147	State	35	0.76	SR 44	S LONE OAK DRIVE	US 27	4	4	URBAN	DIVIDED	STATE	CITY OF LEESBURG	D	32,400	19,480	0.60	D	1,630	835	769	0.51	D	1.00%	32,400	20,474	0.63	D	1,630	878	808	0.54	D
3220	115179	115179	State	35	0.57	SR 44 (DIXIE AVENUE)	US 27	S 9TH STREET	4	4	URBAN	DIVIDED	STATE	CITY OF LEESBURG	D	32,400	27,300	0.84	D	1,630	1,322	1,135	0.81	D	1.25%	32,400	29,049	0.90	D	1,630	1,407	1,208	0.86	D
3230	115143	115143	ADJACENT	35	0.34	SR 44 (DIXIE AVENUE)	S 9TH STREET	CANAL STREET	4	4	URBAN	DIVIDED	STATE	CITY OF LEESBURG	D	32,400	23,200	0.72	D	1,630	922	928	0.57	D	1.00%	32,400	24,383	0.75	D	1,630	969	975	0.60	D
3240	115143	115143	State	40	0.41	SR 44 (DIXIE AVENUE)	CANAL STREET	S LAKE STREET	4	4	URBAN	DIVIDED	STATE	CITY OF LEESBURG	D	39,800	23,200	0.58	C	2,000	922	928	0.46	C	1.00%	39,800	24,383	0.61	C	2,000	969	975	0.49	C
3250	115142	115142	State	40	0.79	SR 44 (DIXIE AVENUE)	S LAKE STREET	E MAIN STREET	4	4	URBAN	DIVIDED	STATE	CITY OF LEESBURG	D	39,800	18,760	0.47	C	2,000	908	780	0.45	C	1.00%	39,800	19,717	0.50	C	2,000	954	820	0.48	C
3260	115183	115183	State	40	0.11	SR 44 (DIXIE AVENUE)	E MAIN STREET	US 441	4	4	URBAN	DIVIDED	STATE	CITY OF LEESBURG	D	41,790	18,760	0.45	C	2,100	908	780	0.43	C	1.00%	41,790	19,717	0.47	C	2,100	954	820	0.45	C
3262	110005	110005	State	45	0.45	SR 44 (OLD C.R. 44B)	US 441	WAYCROSS AVENUE	2	2	URBAN	DIVIDED	STATE	CITY OF MOUNT DORA	D	19,510	25,500	1.31	F	970	1,235	1,060	1.27	F	1.00%	19,510	26,801	1.37	F	970	1,298	1,114	1.34	F
3268	110006	110006	State	45	1.65	SR 44 (OLD C.R. 44B)	WAYCROSS AVENUE	ORANGE AVENUE	2	2	URBAN	UNDIVIDED	STATE	EUSTIS/MOUNT DORA	D	18,590	17,880	0.96	D	920	907	637	0.99	D	1.00%	18,590	18,792	1.01	F	920	953	669	1.04	F
3270	110500	110500	ADJACENT	55	2.27	SR 44	ABRAMS ROAD	THRILL HILL ROAD	2	2	URBAN	UNDIVIDED	STATE	CITY OF EUSTIS	D	18,590	13,810	0.74	C	920	706	606	0.77	C	1.00%	18,590	14,514	0.78	C	920	742	637	0.81	C
3280	110500	110500	ADJACENT	55	1.14	SR 44	THRILL HILL ROAD	CR 439	2	2	URBAN	UNDIVIDED	STATE	CITY OF MOUNT DORA	D	17,700	13,810	0.78	C	880	706	606	0.80	C	1.00%	17,700	14,514	0.82	C	880	742	637	0.84	C
3290	110500	110500	State	55	3.03	SR 44	CR 439	CR 437	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	15,700	13,810	0.88	C	820	706	606	0.86	C	1.00%	15,700	14,514	0.92	C	820	742	637	0.90	C
3300	110500	110500	ADJACENT	55	1.15	SR 44	CR 437	CR 46A	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	13,550	13,810	1.02	D	700	706	606	1.01	D	1.00%	13,550	14,514	1.07	D	700	742	637	1.06	D
3310	110010	110010	ADJACENT	55	3.43	SR 44	CR 46A	CR 44A	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	8,600	9,383	1.09	D	450	480	412	1.07	D	1.00%	8,600	9,861	1.15	D	450	504	433	1.12	D
3320	110010	110010	ADJACENT	55	5.34	SR 44	CR 44A	OVERLOOK DRIVE	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	8,600	9,383	1.09	D	450	480	412	1.07	D	1.00%	8,600	9,861	1.15	D	450	504	433	1.12	D
3330	110010	110010	State	55	5.64	SR 44	OVERLOOK DRIVE	CR 42	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	15,700	9,383	0.60	B	820	480	412	0.59	B	1.00%	15,700	9,861	0.63	B	820	504	433	0.61	B
3340	110010	110010	ADJACENT	55	0.26	SR 44	CR 42	VOLUSIA COUNTY LINE	2	2	RURAL	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	C	13,550	9,383	0.69	C	700	480	412	0.69	C	1.00%	13,550	9,861	0.73	C	700	504	433	0.72	C
3344	110200	110200	State	-	1.80	SR 429 (WEKIVA PKWY)	ORANGE C/L	CR 46A (REALIGNED)	4	4	URBAN	DIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	66,200	6,200	0.09	B	3,280	422	322	0.13	B	4.25%	66,200	7,634	0.12	B	3,280	519	396	0.16	B
3345	610		County	-	5.54	SR 46	CR 46A (REALIGNED)	SEMINOLE C/L	4	4	URBAN	DIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	66,200	17,646	0.27	B	3,280	657	874	0.27	B	1.00%	66,200	18,547	0.28	B	3,280	691	919	0.28	B
3350	110501	110501	ADJACENT	45	1.08	SR 46	US 441	VISTA VIEW	6	6	URBAN	DIVIDED	STATE	CITY OF MOUNT DORA	D	62,900	13,420	0.21	C	3,170	650	558	0.21	C	3.25%	62,900	15,747	0.25	C	3,170	763	655	0.24	C
3360	110501	110501	State	55	0.94	SR 46	VISTA VIEW	ROUND LAKE ROAD	6	6	URBAN	DIVIDED	STATE	CITY OF MOUNT DORA	D	62,900	13,420	0.21	C	3,170	650	558	0.21	C	3.25%	62,900	15,747	0.25	C	3,170	763	655	0.24	C
3370	110001	110001	ADJACENT	55	2.11	SR 46	ROUND LAKE ROAD	CR 437 SOUTH	2	2	URBAN	UNDIVIDED	STATE	CITY OF MOUNT DORA	D	24,200	14,950	0.62	C	1,200	600	600	0.50	C	1.50%	24,200	16,105	0.67	C	1,200	646	646	0.54	C
3380	110001	110001	State	45	0.51	SR 46	CR 437 SOUTH	CR 437 NORTH	2	2	URBAN	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	17,700	14,950	0.84	C	880	600	600	0.68	C	1.50%	17,700	16,105	0.91	C	880	646	646	0.73	C
3390	111019	111019	State	45	1.11	SR 46	CR 437 NORTH	CR 435	2	2	URBAN	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	17,700	13,230	0.75	C	880	641	550	0.73	C	1.00%	17,700	13,905	0.79	C	880	674	578	0.77	C
3395	611	118115	County	45	0.87	SR 46	CR 435	CR 46A (REALIGNED)	2	2	URBAN	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	17,700	10,963	0.62	C	880	467	480	0.54	C	1.00%	17,700	11,522	0.65	C	880	490	504	0.57	C
3420	110319	110319	State	55	3.64	SR 50	SUMTER COUNTY LINE	CR 565 / BAY LAKE ROAD	2	2	URBAN	UNDIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	24,200	14,320	0.59	C	1,200	591	649	0.54	C	1.50%	24,200	15,427	0.64	C	1,200	637	699	0.58	C
3430	110319	110319	ADJACENT	35	0.77	SR 50	CR 565 / BAY LAKE ROAD	CR 33	2	2	URBAN	UNDIVIDED	STATE	CITY OF MASCOTTE	D	14,800	14,320	0.97	D	750	591	649	0.87	D	1.50%	14,800	15,427	1.04	E	750	637	699	0.93	D
3440	110241	110241	State	45	0.96	SR 50	CR 33	GROVELAND FARMS ROAD	4	4	URBAN	DIVIDED	STATE	CITY OF MASCOTTE	D	39,800	26,000	0.65	C	2,000	942	1,013	0.51	C	1.00%	39,800	27,326	0.69	C	2,000	990	1,065	0.53	C
3450	110241	110241	ADJACENT	45	0.63	SR 50	GROVELAND FARMS ROAD	SR 50 ONE WAY PAIRS	4	4	URBAN	DIVIDED	STATE	CITY OF GROVELAND	D	41,790	26,000	0.62	C	2,100	942	1,013	0.48	C	1.00%	41,790	27,326	0.65	C	2,100	990	1,065	0.51	C
3460	115182	115182	State	35	0.44	SR 50 (E)	SR 50 ONE WAY PAIRS	SR 19	4	4	URBAN	DIVIDED	STATE	CITY OF GROVELAND	D	19,440	12,350	0.64	D	1,960	1,110	0	0.57	D	1.00%	19,440	12,980	0.67	D	1,960	1,167	0	0.60	D
3470	115077	115077	State	35	0.44	SR 50 (W)	SR 19	SR 50 ONE WAY PAIRS	4	4	URBAN	DIVIDED	STATE	CITY OF GROVELAND	D	19,440	16,800	0.86	D	1,960	0	1,510	0.77	D	1.75%	19,440	18,322	0.94	D	1,960	0	1,647	0.84	D
3481	115181	115181	State	35	0.33	SR 50 (E)	SR 19	SR 33 SOUTH	4	4	URBAN	DIVIDED	STATE	CITY OF GROVELAND	D	19,440	12,750	0.66	D	1,960	1,146	0	0.58	D	1.00%	19,440	13,400	0.69	D	1,960	1,204	0	0.61	D
3491	115076	115076	State	35	0.34	SR 50 (W)	SR 33 SOUTH	SR 19	4	4	URBAN	DIVIDED	STATE	CITY OF GROVELAND	D	19,440	14,700	0.76	D	1,960	0	1,322	0.67	D	1.00%	19,440	15,450	0.79	D	1,960	0	1,389	0.71	D
3500	115134	115134	State	55	1.53	SR 50	CR 565A NORTH	CR 561	4	4	URBAN	DIVIDED	STATE	CITY OF GROVELAND	D	41,790	30,314	0.73	C	2,100	1,468	1,260	0.70	C	1.00%	41,790	31,861	0.76	C	2,100	1,543	1,324	0.73	C
3510	110396	110396	State	55	3.15	SR 50	CR 565A NORTH	CR 561	4	4	URBAN	DIVIDED	STATE	CITY OF GROVELAND	D	41,790	29,500	0.71	C	2,100	1,059	2,242	1.07	F	1.00%	41,790	31,005	0.74	C	2,100	1,113	2,356	1.12	F
3520	115057	115057	State	40	1.19	SR 50	CR 561	EAST AVENUE	4	4	URBAN	DIVIDED	STATE	CITY OF CLERMONT	D	39,800	35,600	0.89	C	2,000	1,724	1,480	0.86	C	1.50%	39,800	38,351	0.96	D	2,000	1,857	1,594	0.93	C
3530	115050	115050	State	40	0.92	SR 50	EAST AVENUE	US 27	4	4	URBAN	DIVIDED	STATE	CITY OF CLERMONT	D	41,790	32,650	0.78	C	2,100	1,581	1,358	0.75	C	1.00%	41,790	34,315	0.82	C	2,100	1,662	1,427	0.79	C
3540	110390	110390	State	55	2.14	SR 50	US 27	HANCOCK ROAD	6	6	URBAN	DIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	62,900	54,629	0.87	C	3,170	2,645	2,271	0.83	C	1.00%	62,900	57,415	0.91	C	3,170	2,780	2,387	0.88	C
3550	110390	110390	ADJACENT	55	1.49	SR 50	HANCOCK ROAD	CR 455	6	6	URBAN	DIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	62,900	54,629	0.87	C	3,170	2,645	2,271	0.83	C	1.00%	62,900	57,415	0.91	C	3,170	2,780	2,387	0.88	C
3560	750572	750572	State	50	1.53	SR 50	CR 455	ORANGE COUNTY LINE	6	6	URBAN	DIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	62,900	53,750	0.85	C	3,170	2,574	2,264	0.81	C	1.00%	62,900	56,492	0.90	C	3,170	2,705	2,379	0.85	C
3562	972200	972200	State	70	1.38	SR 91 (FLORIDA TURNPIKE)	SUMTER COUNTY LINE	CR 470	4	4	URBAN	FREEWAY	STATE	UNINCORPORATED LAKE COUNTY	B	47,600	46,882	0.98	B	2,230	2,648	2,274	1.19	C	1.00%	47,600	49,273	1.04	C	2,230	2,783	2,390	1.25	C
3564	972160	972160	State	70	7.50	SR 91 (FLORIDA TURNPIKE)	CR 470	US 27/SR 25	4	4	URBAN	FREEWAY	STATE	UNINCORPORATED LAKE COUNTY	B	47,600	49,600	1.04	C	2,230	2,661	1,803	1.19	C	1.00%	47,600	52,130	1.10	C	2,230	2,797	1,895	1.25	C
3566	972006	972006	State	70	3.72	SR 91 (FLORIDA TURNPIKE)	US 27/SR 25	US 27/SR 25/SR 19 INTERCHANGE	4	8	URBAN	FREEWAY	STATE	UNINCORPORATED LAKE COUNTY	B	47,600	43,670	0.92	B	2,230	2,733	1,852	1.23	C	1.00%	92,200	45,898	0.50	B	4,310	2,872	1,946	0.67	B
3568	972005	972005	State	70	10.82	SR 91 (FLORIDA TURNPIKE)	US 27/SR 25/SR 19 INTERCHANGE	ORANGE COUNTY LINE	4	8	URBAN	FREEWAY	STATE	UNINCORPORATED LAKE COUNTY	C	66,400	66,200	1.00	C	3,100	3,551	2,407	1.15	D	1.00%	128,900	69,577	0.54	B	6,030	3,732	2,530	0.62	B
3569	29		County	30	0.84	STEVES ROAD	US 27	CITRUS TOWER BOULEVARD	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF CLERMONT	D	14,060	7,625	0.54	D	710	335	441	0.62	D	2.00%	14,060	8,418	0.60	D	710	370	487	0.69	D
3570	429		County	20	1.46	SUNNYSIDE DRIVE	MAIN STREET/DR NICHOLS DRIVE	SLEEPY HOLLOW ROAD	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF LEESBURG	D	14,060	4,411	0.31	C	710	163	254	0.36	C	2.50%	14,060	4,990	0.35	C	710	184	288	0.41	C
3580	423	117012	County	35	3.31	SUNNYSIDE DRIVE	SLEEPY HOLLOW ROAD	BRIDGEWATER COURT	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF LEESBURG	D	21,780	2,640	0.12	B	1,080	182	98	0.17	B	2.00%	21,780	2,915	0.13	B	1,080	201	108	0.19	B
3590	414	117013	County	35	1.14	SUNNYSIDE DRIVE	BRIDGEWATER COURT	SUNNYSIDE DRIVE	2	2	URBAN	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	D	10,360	1,523	0.15	C	530	53	70	0.13	C	1.00%	10,360	1,601	0.15	C	530	56	74	0.14	C
3600	466		County	35	0.79	THOMAS AVENUE	CR 460	CR 44A	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF LEESBURG	D	10,360	9,755	0.94	D	530	405	529	1.00	D	1.00%	10,360	10,253	0.99	D	530	426	556	1.05	E
3610	457		County	35	1.07	THOMAS AVENUE	GRIFFIN ROAD (CR 44A)	MAIN STREET	2	2	URBAN	UNDIVIDED	CITY OF LEESBURG	CITY OF LEESBURG	D	10,360	7,696	0.74	D	530	393	340	0.74	D	1.00%	10,360	8,089	0.78	D	530	413	358	0.78	D
3620	211		County	30	0.32	TURKEY FARM ROAD	OLD HWY 50	BRIMMING LAKE ROAD	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MINNEOLA	D	10,360	209	0.02	C	530	11	13	0.02	C	1.00%	10,360	220	0.02	C	530	11	13	0.02	C
3630	0		NO COUNT	35	4.19	TUSCANOOGA ROAD	SUMTER COUNTY LINE	EGG ROAD	2	2	RURAL	UNDIVIDED	COUNTY	UNINCORPORATED LAKE COUNTY	C	7,740	-	-	-	410	-	-	-	-	N/A	7,740	-	-	-	410	-	-	-	-
3640	216		County	40	0.54	TUSCANOOGA ROAD	EGG ROAD	SR 50	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MASCOTTE	C	15,960	2,543	0.16	C	790	157	101	0.20	C	2.00%	15,960	2,807	0.18	C	790	174	111	0.22	C
3650	219		County	40	0.31	UNDERPASS ROAD	CR 33	AMERICAN LEGION ROAD	2	2	URBAN	UNDIVIDED	COUNTY	CITY OF MASCOTTE	D	16,820	1,080	0.06	C	840	61	60	0.07	C	2.00%	16,820	1,193	0.07	C	840	68	67	0.08	C
3660	110470	110470	State	55	1.01	US 192	US 27	ORANGE COUNTY LINE	6	6	URBAN	DIVIDED	STATE	UNINCORPORATED LAKE COUNTY	D	62,900	47,750	0.76	C	3,170	2,312	1,985	0.73	C	1.00%	62,900	50,186	0.80	C	3,170	2,430	2,086	0.77	C
3670	538		County	45	1.11	US 27/US441	SUMTER COUNTY LINE	GRIFFIN AVENUE	6	6	URBAN	DIVIDED	STATE	TOWN OF LADY LAKE	D	59,900	35,295	0.59	C	3,020	1,446	1,484	0.49	C	1.00%	59,900	37,095	0.62	C	3,020	1,519	1,560	0.52	C
3680	111012	111012	State	45	1.12	US 27/US441	GRIFFIN AVENUE	ALT US 441 / ALT US 27	4	8	URBAN	DIVIDED	STATE	TOWN OF LADY LAKE	D	41,790	30,300	0.73	C	2,100	1,467	1,260	0.70	C	1.50%	84,110	32,642	0.39	C	4,240	1,580	1,357	0.37	C
3690	111012	111012	ADJACENT	40	0.79	US 27/US441	ALT US 441 / ALT US 27	CR 466	4	6	URBAN	DIVIDED	STATE	TOWN OF LADY LAKE	D	41,790	30,300	0.73	C	2,100	1,467	1,260	0.70	C	1.50%	62,900	32,642	0.52	C	3,170	1,580	1,357	0.50	C
3700	111021	111021	State	55	2.27	US 27/US441	CR 466	LAKE ELLA ROAD	4	6	URBAN	DIVIDED	STATE	TOWN OF LADY LAKE	D	41,790	29,800	0.71	C	2,100	1,400	1,200	0.67	C	1.00%	62,900	31,320	0.50	C	3,170	1,471	1,261	0.46	C
3710	110430	110430	State	55	1.89	US 27/US441	LAKE ELLA ROAD	CR 466A / MILLER BOULEVARD	6	6	URBAN	DIVIDED	STATE	FRUITLAND PARK	D	59,900	29,350	0.49	C	3,020	1,421	1,220	0.47	C	1.00%	59,900	30,847	0.51	C	3,020	1,493	1,282	0.49	C
3720	110431	110431	State	45	1.35	US 27/US441	CR 466A / MILLER BOULEVARD	CR 460 (MARTIN LUTHER KING BLVD)	6	6	URBAN	DIVIDED	STATE	FRUITLAND PARK	D	59,900	37,800	0.63	C	3,020	1,830	1,572	0.61	C	1.00%	59,900	39,728	0.66	C	3,020	1,923	1,652	0.64	C
3730	110109	110109	ADJACENT	45	0.51	US 27/US441	CR 460 (MARTIN LUTHER KING BLVD)	CR 466A (LEE ROAD)	6	6	URBAN	DIVIDED	STATE	CITY OF LEESBURG	D	59,900	41,600	0.69	C	3,020	2,014	1,730	0.67	C	1.00%	59,900	43,722	0.73	C	3,020	2,117	1,818	0.70	C
3740	110109	110109	State	45	0.67	US 27/US441	CR 466A (LEE ROAD)	CR

C3C & C3R

Motor Vehicle Arterial Generalized Service Volume Tables

(C3C-Suburban Commercial)

Peak Hour Directional

	B	C	D	E
1 Lane	*	760	1,070	**
2 Lane	*	1,520	1,810	**
3 Lane	*	2,360	2,680	**
4 Lane	*	3,170	3,180	**

Peak Hour Two-Way

	B	C	D	E
2 Lane	*	1,380	1,950	**
4 Lane	*	2,760	3,290	**
6 Lane	*	4,290	4,870	**
8 Lane	*	5,760	5,780	**

AADT

	B	C	D	E
2 Lane	*	15,300	21,700	**
4 Lane	*	30,700	36,600	**
6 Lane	*	47,700	54,100	**
8 Lane	*	64,000	64,200	**

(C3R-Suburban Residential)

	B	C	D	E
1 Lane	*	970	1,110	**
2 Lane	*	1,700	1,850	**
3 Lane	*	2,620	2,730	**

	B	C	D	E
2 Lane	*	1,760	2,020	**
4 Lane	*	3,090	3,360	**
6 Lane	*	4,760	4,960	**

	B	C	D	E
2 Lane	*	19,600	22,400	**
4 Lane	*	34,300	37,300	**
6 Lane	*	52,900	55,100	**

Adjustment Factors

The peak hour directional service volumes should be adjust by multiplying by 1.2 for one-way facilities
The AADT service volumes should be adjusted by multiplying 0.6 for one way facilities 2 Lane Divided Roadway with an Exclusive Left Turn Lane(s): Multiply by 1.05
2 lane Undivided Roadway with No Exclusive Left Turn Lane(s): Multiply by 0.80

Exclusive right turn lane(s): Multiply by 1.05
Multilane Undivided Roadway with an Exclusive Left Turn Lane(s): Multiply by 0.95
Multilane Roadway with No Exclusive Left Turn Lane(s): Multiply by 0.75
Non-State Signalized Roadway: Multiply by 0.90

This table does not constitute a standard and should be used only for general planning applications. The table should not be used for corridor or intersection design, where more refined techniques exist.
* Cannot be achieved using table input value defaults.
** Not applicable for that level of service letter grade. For the automobile mode, volumes greater than level of service D become F because intersection capacities have been reached.

C1 & C2

Motor Vehicle Highway Generalized Service Volume Tables

(C1-Natural & C2-Rural)

Peak Hour Directional

	B	C	D	E
1 Lane	240	430	730	1,490
2 Lane	1,670	2,390	2,910	3,340
3 Lane	2,510	3,570	4,370	5,010

Peak Hour Two-Way

	B	C	D	E
2 Lane	440	780	1,330	2,710
4 Lane	3,040	4,350	5,290	6,070
6 Lane	4,560	6,490	7,950	9,110

AADT

	B	C	D	E
2 Lane	4,600	8,200	14,000	28,500
4 Lane	32,000	45,800	55,700	63,900
6 Lane	48,000	68,300	83,700	95,900

Adjustment Factors

2 Lane Divided Roadway with Exclusive Left Turn Adjustment: Multiply by 1.05
Multilane Undivided Highway with Exclusive Left Turn Adjustment: Multiply by 0.95
Multilane Undivided Highway without Exclusive Left Turn Adjustment:: Multiply by 0.75

This table does not constitute a standard and should be used only for general planning applications. The table should not be used for corridor or intersection design, where more refined techniques exist.

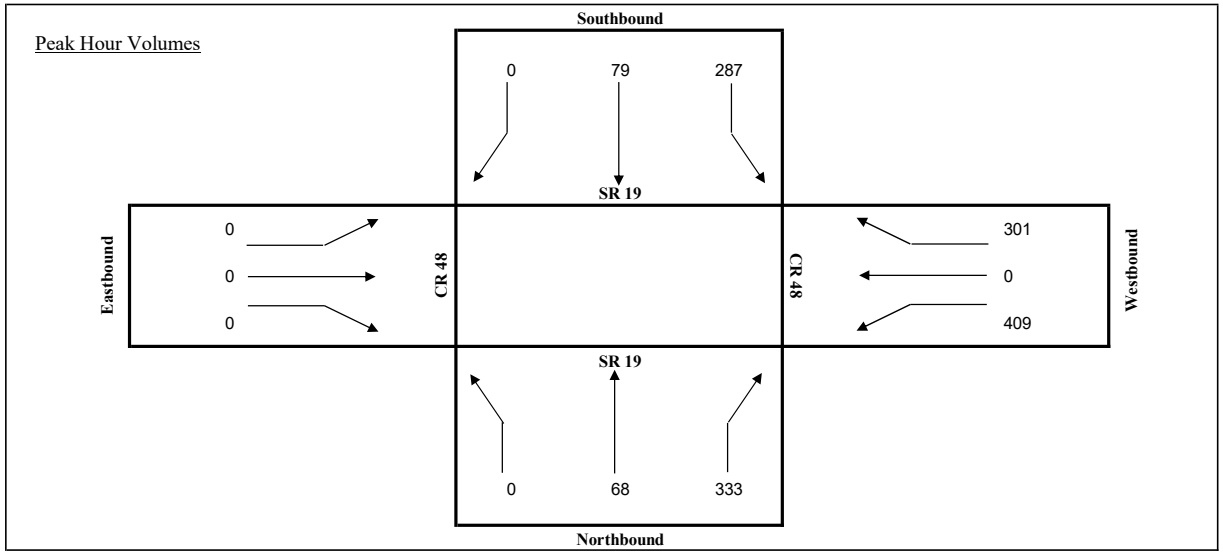
Appendix D
Turning Movement Counts and Seasonal Factor Data

TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): CR 48
Date: 7/19/2023

			SR 19			SR 19			CR 48			CR 48			
			NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
4:00 PM	4:15 PM	0	19	82	68	13	0	0	0	0	84	0	65	331
4:15 PM	4:30 PM	0	24	91	71	13	0	0	0	0	83	0	79	361
4:30 PM	4:45 PM	0	18	72	68	17	0	0	0	0	93	0	76	344
4:45 PM	5:00 PM	0	23	90	85	15	0	0	0	0	92	0	61	366
5:00 PM	5:15 PM	0	18	71	73	23	0	0	0	0	88	0	73	346
5:15 PM	5:30 PM	0	15	80	71	19	0	0	0	0	114	0	80	379
5:30 PM	5:45 PM	0	12	92	58	22	0	0	0	0	115	0	87	386
5:45 PM	6:00 PM	0	16	70	54	14	0	0	0	0	94	0	72	320
Total for:	4:00 PM	5:00 PM	0	84	335	292	58	0	0	0	0	352	0	281	1402
Total for:	5:00 PM	6:00 PM	0	61	313	256	78	0	0	0	0	411	0	312	1431
Tota Peak Hour:	4:45 PM	5:45 PM	0	68	333	287	79	0	0	0	0	409	0	301	1477
Overall PHF:	0.96														

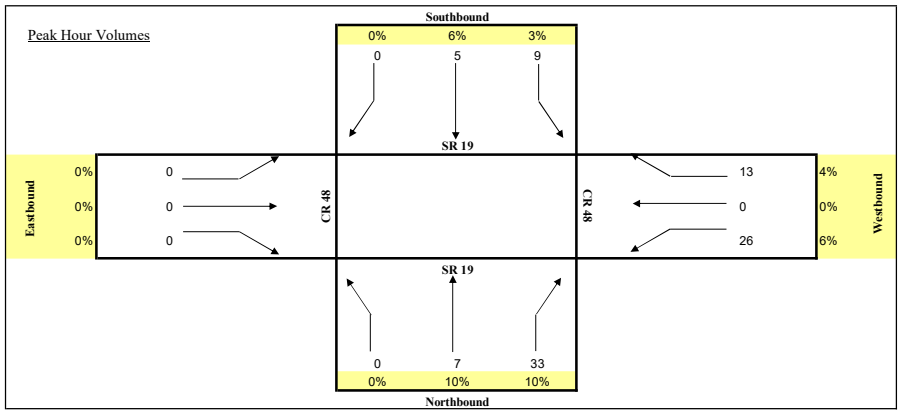


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): CR 48
Date: 7/19/2023

		SR 19 NB			SR 19 SB			CR 48 EB			CR 48 WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	3	10	5	0	0	0	0	0	4	0	6	28
4:15 PM	4:30 PM	0	4	11	1	3	0	0	0	0	8	0	2	29
4:30 PM	4:45 PM	0	0	8	2	1	0	0	0	0	7	0	4	22
4:45 PM	5:00 PM	0	0	4	1	1	0	0	0	0	7	0	1	14
5:00 PM	5:15 PM	0	1	7	2	2	0	0	0	0	6	0	0	18
5:15 PM	5:30 PM	0	0	7	2	0	0	0	0	0	6	0	0	15
5:30 PM	5:45 PM	0	0	2	0	0	0	0	0	0	2	0	1	5
5:45 PM	6:00 PM	0	2	4	2	1	0	0	0	0	5	0	1	15
Total for:	4:00 PM	5:00 PM	0	7	33	9	5	0	0	0	0	26	0	13	93
Total for:	5:00 PM	6:00 PM	0	3	20	6	3	0	0	0	0	19	0	2	53
Tota Peak Hour:	4:00 PM	5:00 PM	0	7	33	9	5	0	0	0	0	26	0	13	93
Overall PHF:	0.80														

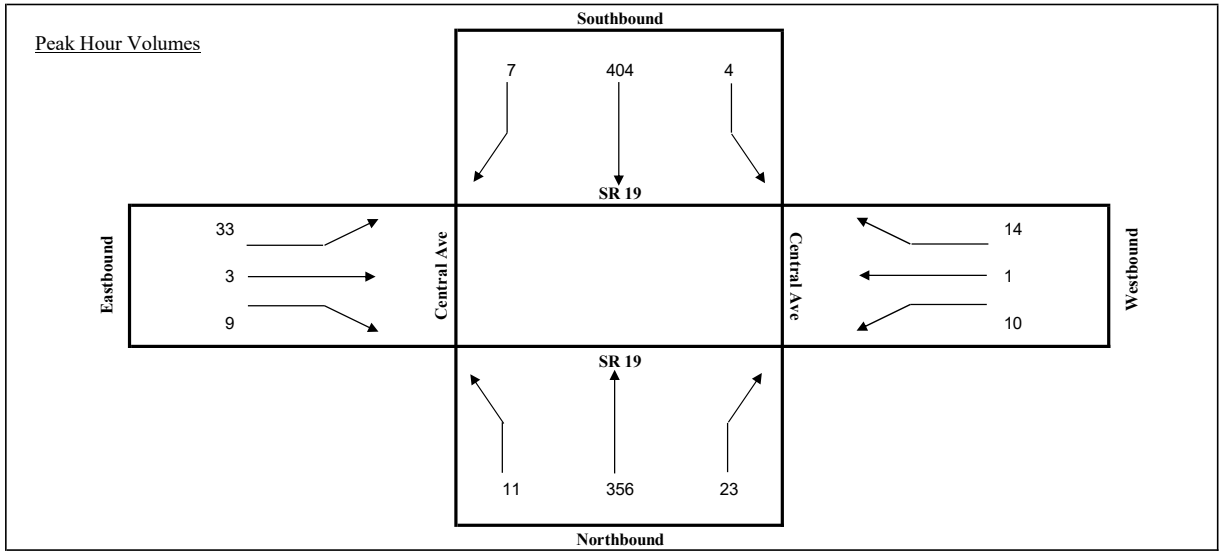


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): Central Ave
Date: 7/19/2023

			SR 19 NB			SR 19 SB			Central Ave EB			Central Ave WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	7	76	6	1	88	3	5	0	4	3	1	3	197
7:15 AM	7:30 AM	3	92	4	1	101	0	15	1	1	1	0	2	221
7:30 AM	7:45 AM	1	96	4	1	106	2	9	0	1	2	0	4	226
7:45 AM	8:00 AM	5	85	4	2	93	2	4	1	4	4	0	3	207
8:00 AM	8:15 AM	2	83	11	0	104	3	5	1	3	3	1	5	221
8:15 AM	8:30 AM	8	70	1	1	91	5	7	2	0	0	0	4	189
8:30 AM	8:45 AM	3	96	5	1	101	5	5	2	6	2	0	1	227
8:45 AM	9:00 AM	3	77	10	4	68	2	13	0	1	2	0	4	184
Total for:	7:00 AM	8:00 AM	16	349	18	5	388	7	33	2	10	10	1	12	851
Total for:	8:00 AM	9:00 AM	16	326	27	6	364	15	30	5	10	7	1	14	821
Tota Peak Hour:	7:15 AM	8:15 AM	11	356	23	4	404	7	33	3	9	10	1	14	875
Overall PHF:	0.97														

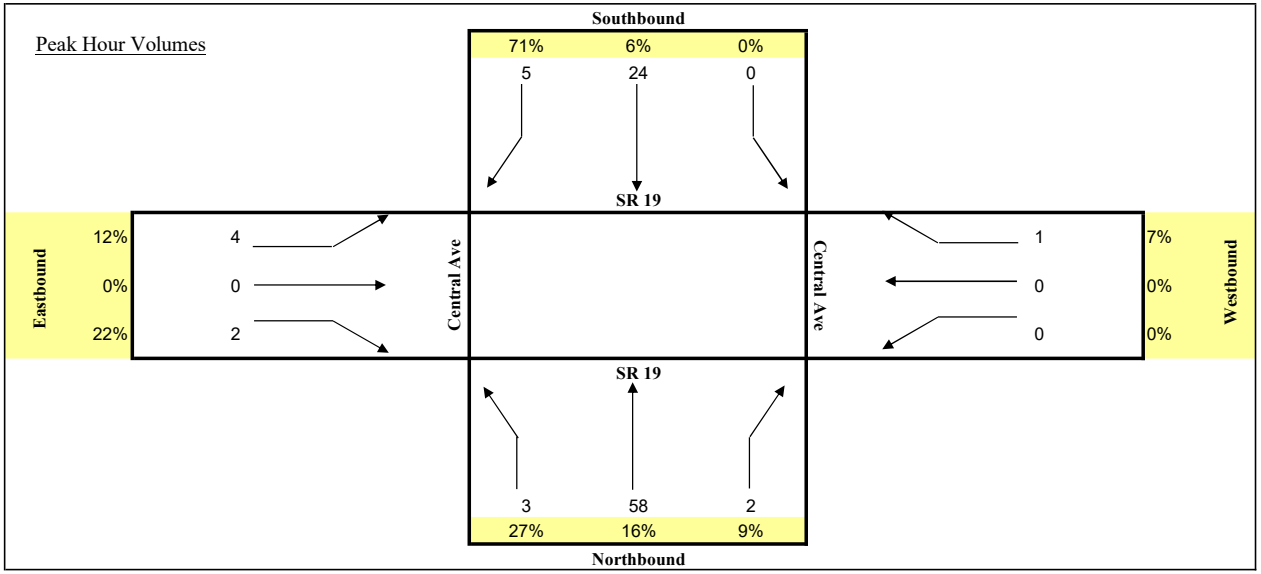


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): Central Ave
Date: 7/19/2023

		SR 19 NB			SR 19 SB			Central Ave EB			Central Ave WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
7:00 AM	7:15 AM	1	13	0	0	10	0	1	0	0	0	0	0	25
7:15 AM	7:30 AM	1	15	1	1	13	0	1	0	0	0	0	0	32
7:30 AM	7:45 AM	0	9	0	0	7	0	0	0	0	0	0	2	18
7:45 AM	8:00 AM	1	12	1	0	2	0	0	0	0	1	0	0	17
8:00 AM	8:15 AM	0	14	1	0	5	0	0	0	0	0	0	1	21
8:15 AM	8:30 AM	2	7	1	0	8	1	2	0	0	0	0	0	21
8:30 AM	8:45 AM	1	19	0	0	6	2	0	0	2	0	0	0	30
8:45 AM	9:00 AM	0	18	0	0	5	2	2	0	0	0	0	0	27
Total for:	7:00 AM	8:00 AM	3	49	2	1	32	0	2	0	0	1	0	2	92
Total for:	8:00 AM	9:00 AM	3	58	2	0	24	5	4	0	2	0	0	1	99
Tota Peak Hour:	8:00 AM	9:00 AM	3	58	2	0	24	5	4	0	2	0	0	1	99
Overall PHF:	0.83														

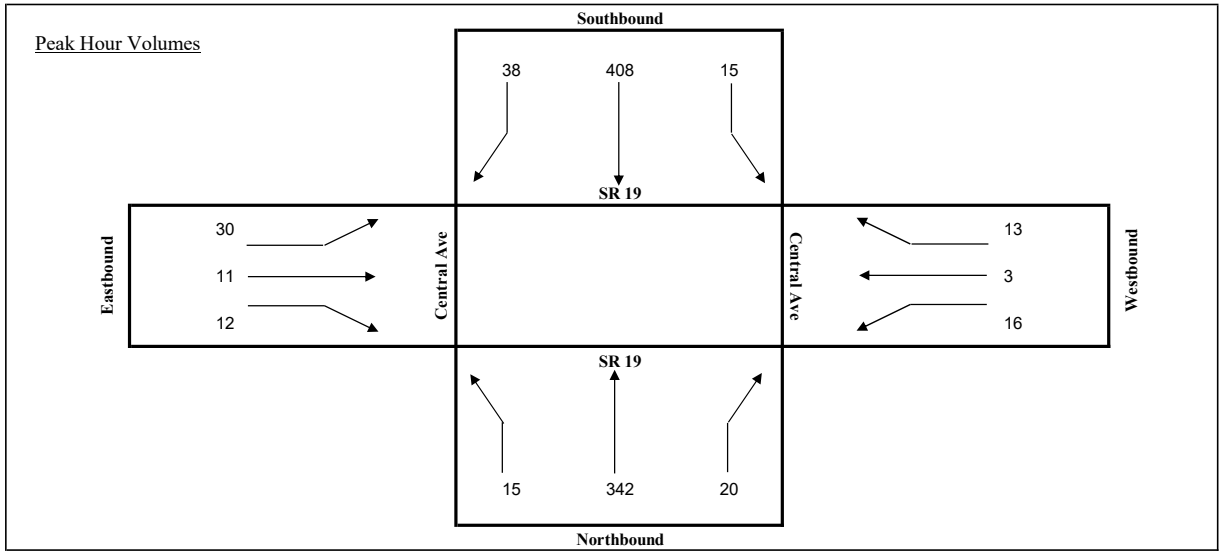


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): Central Ave
Date: 7/19/2023

			SR 19 NB			SR 19 SB			Central Ave EB			Central Ave WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
4:00 PM	4:15 PM	2	88	5	3	81	10	7	1	2	1	0	4	204
4:15 PM	4:30 PM	2	98	3	1	79	9	12	0	4	1	3	3	215
4:30 PM	4:45 PM	2	75	7	6	89	10	11	3	4	4	1	1	213
4:45 PM	5:00 PM	2	102	7	4	90	6	6	1	3	1	0	2	224
5:00 PM	5:15 PM	5	66	5	0	96	10	12	5	5	5	0	6	215
5:15 PM	5:30 PM	4	84	4	3	113	8	5	1	1	6	3	2	234
5:30 PM	5:45 PM	4	90	4	8	109	14	7	4	3	4	0	3	250
5:45 PM	6:00 PM	1	71	6	1	86	9	7	1	1	0	2	3	188
Total for:	4:00 PM	5:00 PM	8	363	22	14	339	35	36	5	13	7	4	10	856
Total for:	5:00 PM	6:00 PM	14	311	19	12	404	41	31	11	10	15	5	14	887
Tota Peak Hour:	4:45 PM	5:45 PM	15	342	20	15	408	38	30	11	12	16	3	13	923
Overall PHF:	0.92														

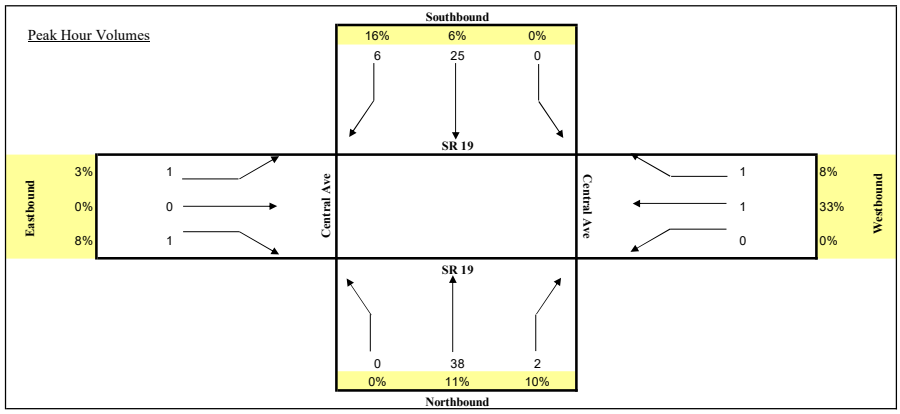


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): Central Ave
Date: 7/19/2023

		SR 19 NB			SR 19 SB			Central Ave EB			Central Ave WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	13	2	0	2	2	0	0	0	0	0	0	19
4:15 PM	4:30 PM	0	14	0	0	9	2	0	0	0	0	1	1	27
4:30 PM	4:45 PM	0	8	0	0	8	0	0	0	0	0	0	0	16
4:45 PM	5:00 PM	0	3	0	0	6	2	1	0	1	0	0	0	13
5:00 PM	5:15 PM	1	7	0	0	8	0	1	0	0	0	0	0	17
5:15 PM	5:30 PM	0	7	0	0	6	0	0	0	1	0	0	0	14
5:30 PM	5:45 PM	1	2	0	1	0	1	0	0	1	1	0	0	7
5:45 PM	6:00 PM	0	6	0	0	6	0	0	0	0	0	1	0	13
Total for:	4:00 PM	5:00 PM	0	38	2	0	25	6	1	0	1	0	1	1	75
Total for:	5:00 PM	6:00 PM	2	22	0	1	20	1	1	0	2	1	1	0	51
Tota Peak Hour:	4:00 PM	5:00 PM	0	38	2	0	25	6	1	0	1	0	1	1	75
Overall PHF:	0.69														

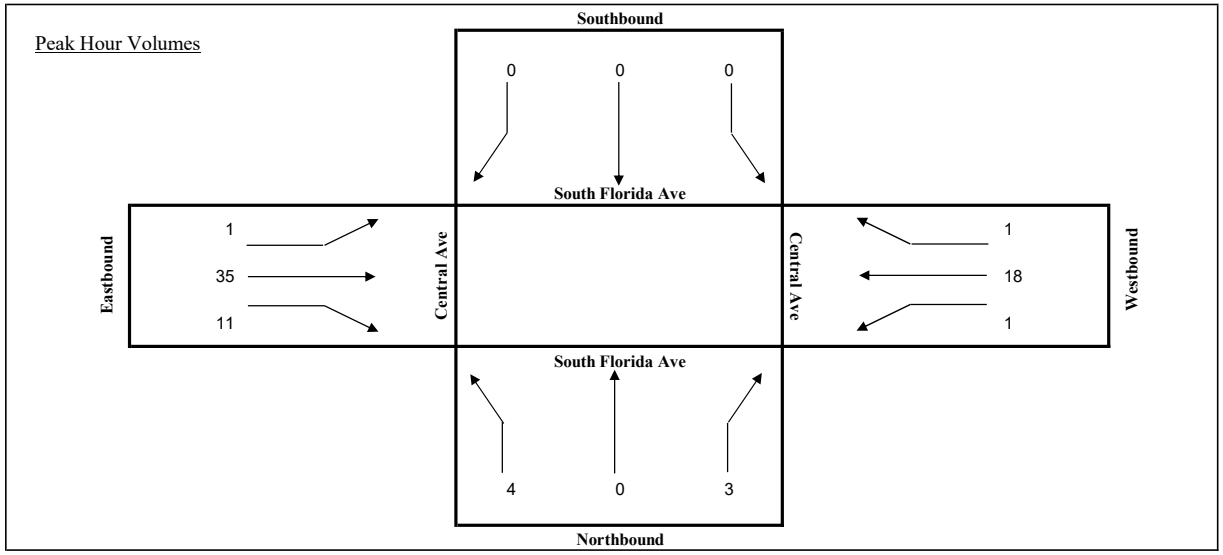


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): South Florida Ave
Intersection (E/W): Central Ave
Date: 7/19/2023

			South Florida Ave			South Florida Ave			Central Ave			Central Ave			
			NB			SB			EB			WB			
Start	End		L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM		0	0	0	0	0	0	0	6	4	0	8	1	19
7:15 AM	7:30 AM		2	0	1	0	0	0	1	13	2	0	4	0	23
7:30 AM	7:45 AM		2	0	1	0	0	0	0	9	4	1	1	0	18
7:45 AM	8:00 AM		0	0	1	0	0	0	0	7	1	0	5	0	14
8:00 AM	8:15 AM		0	0	2	0	0	0	0	5	0	2	5	0	14
8:15 AM	8:30 AM		0	0	3	0	0	0	0	8	2	1	3	2	19
8:30 AM	8:45 AM		0	0	1	1	0	1	0	3	1	3	7	0	17
8:45 AM	9:00 AM		1	0	2	0	0	0	0	7	2	1	6	1	20
Total for:	7:00 AM	8:00 AM	4	0	3	0	0	0	1	35	11	1	18	1	74
Total for:	8:00 AM	9:00 AM	1	0	8	1	0	1	0	23	5	7	21	3	70
Tota Peak Hour:	7:00 AM	8:00 AM	4	0	3	0	0	0	1	35	11	1	18	1	74
Overall PHF:	0.80														

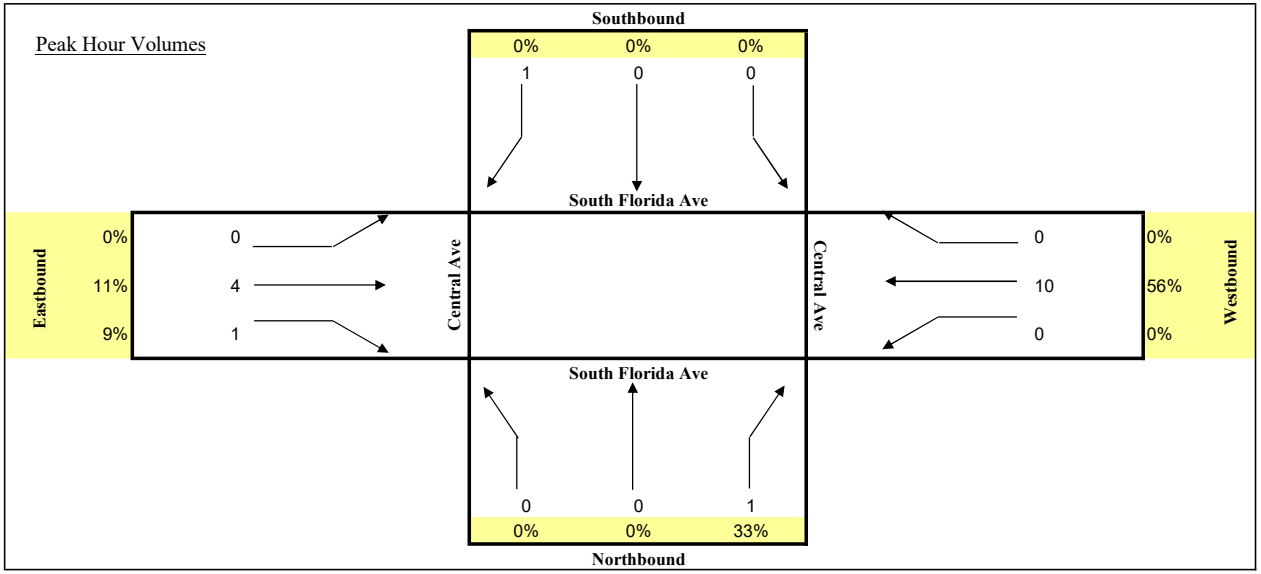


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): South Florida Ave
Intersection (E/W): Central Ave
Date: 7/19/2023

		South Florida Ave			South Florida Ave			Central Ave			Central Ave			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
7:00 AM	7:15 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
7:15 AM	7:30 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
7:30 AM	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
8:00 AM	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	8:30 AM	0	0	1	0	0	0	0	2	0	0	2	0	5
8:30 AM	8:45 AM	0	0	0	0	0	1	0	1	0	0	3	0	5
8:45 AM	9:00 AM	0	0	0	0	0	0	0	1	1	0	5	0	7
Total for:	7:00 AM	8:00 AM	0	0	0	0	0	0	0	2	0	0	3	0	5
Total for:	8:00 AM	9:00 AM	0	0	1	0	0	1	0	4	1	0	10	0	17
Tota Peak Hour:	8:00 AM	9:00 AM	0	0	1	0	0	1	0	4	1	0	10	0	17
Overall PHF:	0.61														

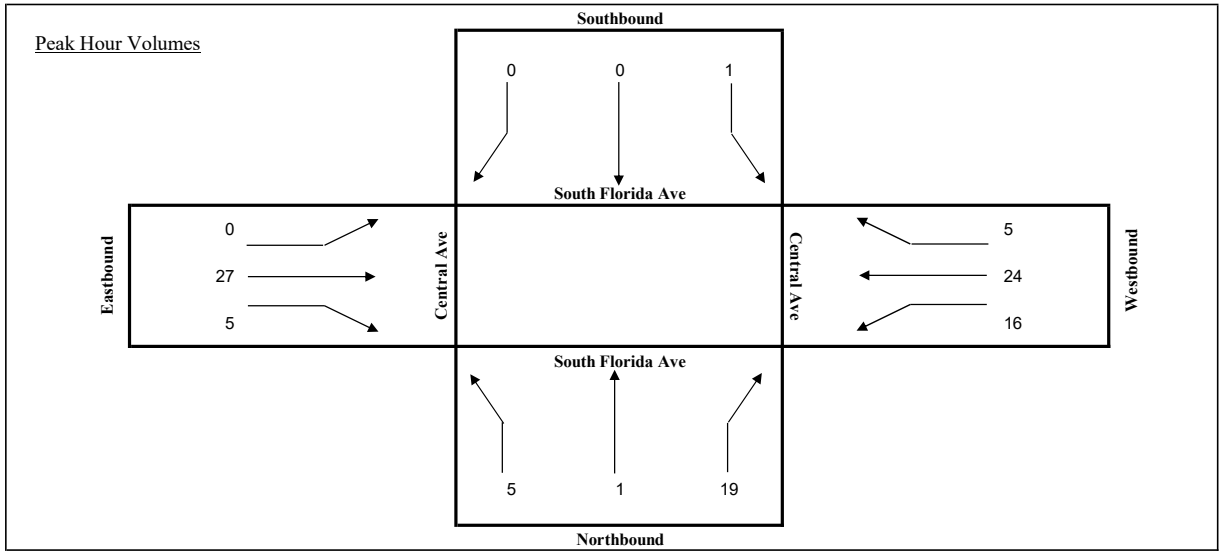


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): South Florida Ave
Intersection (E/W): Central Ave
Date: 7/19/2023

		South Florida Ave			South Florida Ave			Central Ave			Central Ave			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
4:00 PM	4:15 PM	3	0	3	0	0	0	0	3	0	4	5	0	18
4:15 PM	4:30 PM	3	0	5	0	0	0	0	6	2	4	8	0	28
4:30 PM	4:45 PM	2	0	6	0	0	0	0	2	3	3	7	0	23
4:45 PM	5:00 PM	1	0	4	0	0	0	0	5	1	1	4	0	16
5:00 PM	5:15 PM	1	1	7	0	0	0	0	10	2	5	6	0	32
5:15 PM	5:30 PM	1	0	4	0	0	0	0	5	1	0	4	4	19
5:30 PM	5:45 PM	1	0	4	1	0	0	0	6	2	5	9	0	28
5:45 PM	6:00 PM	2	0	4	0	0	0	0	6	0	6	5	1	24
Total for:	4:00 PM	5:00 PM	9	0	18	0	0	0	0	16	6	12	24	0	85
Total for:	5:00 PM	6:00 PM	5	1	19	1	0	0	0	27	5	16	24	5	103
Tota Peak Hour:	5:00 PM	6:00 PM	5	1	19	1	0	0	0	27	5	16	24	5	103
Overall PHF:	0.80														

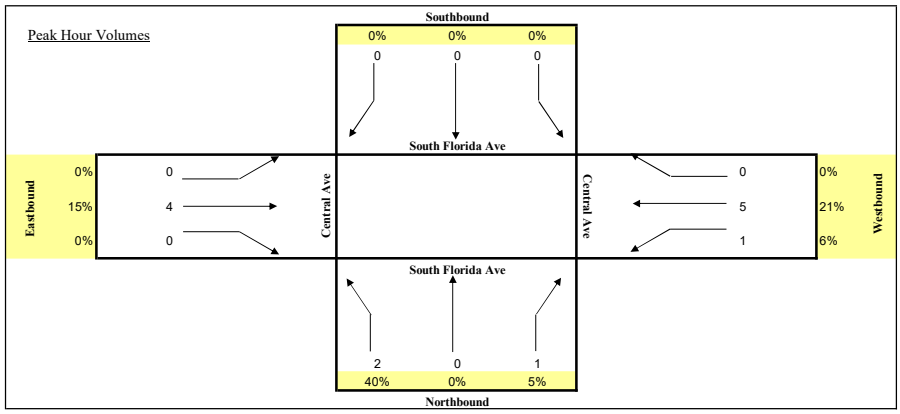


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): South Florida Ave
Intersection (E/W): Central Ave
Date: 7/19/2023

		South Florida Ave			South Florida Ave			Central Ave			Central Ave			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	0	0	0	0	0	0	0	0	1	1	0	2
4:15 PM	4:30 PM	1	0	0	0	0	0	0	0	0	1	2	0	4
4:30 PM	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	5:00 PM	1	0	0	0	0	0	0	2	0	1	1	0	5
5:00 PM	5:15 PM	0	0	1	0	0	0	0	0	0	0	1	0	2
5:15 PM	5:30 PM	1	0	0	0	0	0	0	2	0	0	1	0	4
5:30 PM	5:45 PM	0	0	0	0	0	0	0	0	0	0	2	0	2
5:45 PM	6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total for:	4:00 PM	5:00 PM	2	0	0	0	0	0	0	2	0	3	4	0	11
Total for:	5:00 PM	6:00 PM	1	0	1	0	0	0	0	2	0	0	4	0	8
Tota Peak Hour:	4:45 PM	5:45 PM	2	0	1	0	0	0	0	4	0	1	5	0	13
Overall PHF:	0.65														

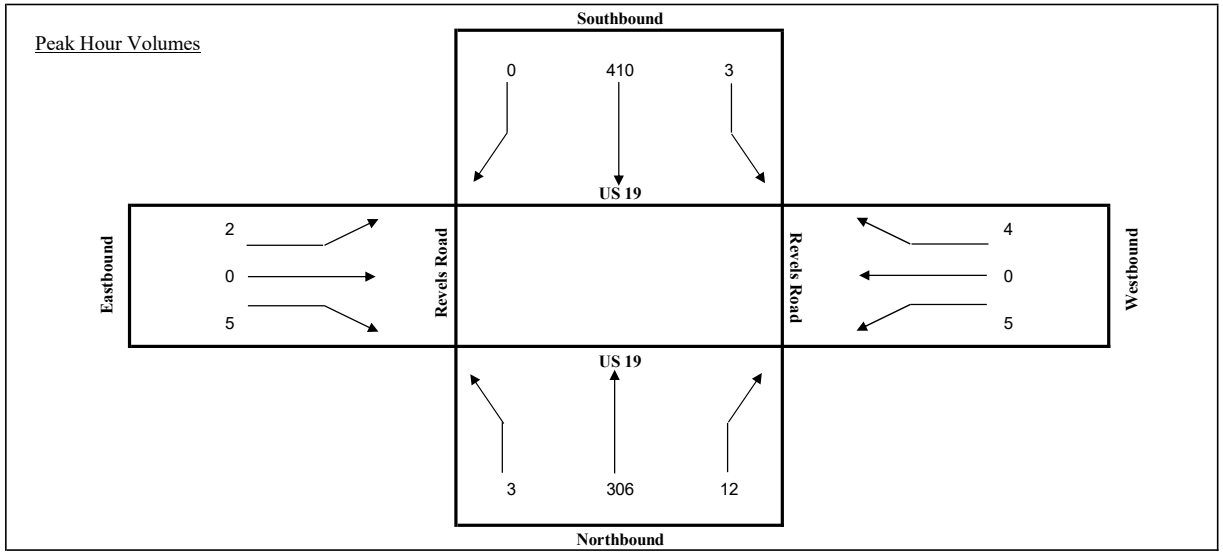


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): US 19
Intersection (E/W): Revels Road
Date: 7/19/2023

			US 19 NB			US 19 SB			Revels Road EB			Revels Road WB			
Start	End		L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM		3	80	1	0	74	2	0	0	0	3	0	2	165
7:15 AM	7:30 AM		2	60	1	1	94	1	1	0	0	0	1	0	161
7:30 AM	7:45 AM		1	72	0	1	107	0	0	0	2	1	0	1	185
7:45 AM	8:00 AM		1	97	5	0	100	0	0	0	2	2	0	1	208
8:00 AM	8:15 AM		0	71	2	2	110	0	2	0	0	2	0	2	191
8:15 AM	8:30 AM		1	66	5	0	93	0	0	0	1	0	0	0	166
8:30 AM	8:45 AM		0	58	1	0	60	1	1	0	2	4	0	2	129
8:45 AM	9:00 AM		0	57	3	1	63	2	0	0	1	1	0	2	130
Total for:	7:00 AM	8:00 AM	7	309	7	2	375	3	1	0	4	6	1	4	719
Total for:	8:00 AM	9:00 AM	1	252	11	3	326	3	3	0	4	7	0	6	616
Tota Peak Hour:	7:30 AM	8:30 AM	3	306	12	3	410	0	2	0	5	5	0	4	750
Overall PHF:	0.90														

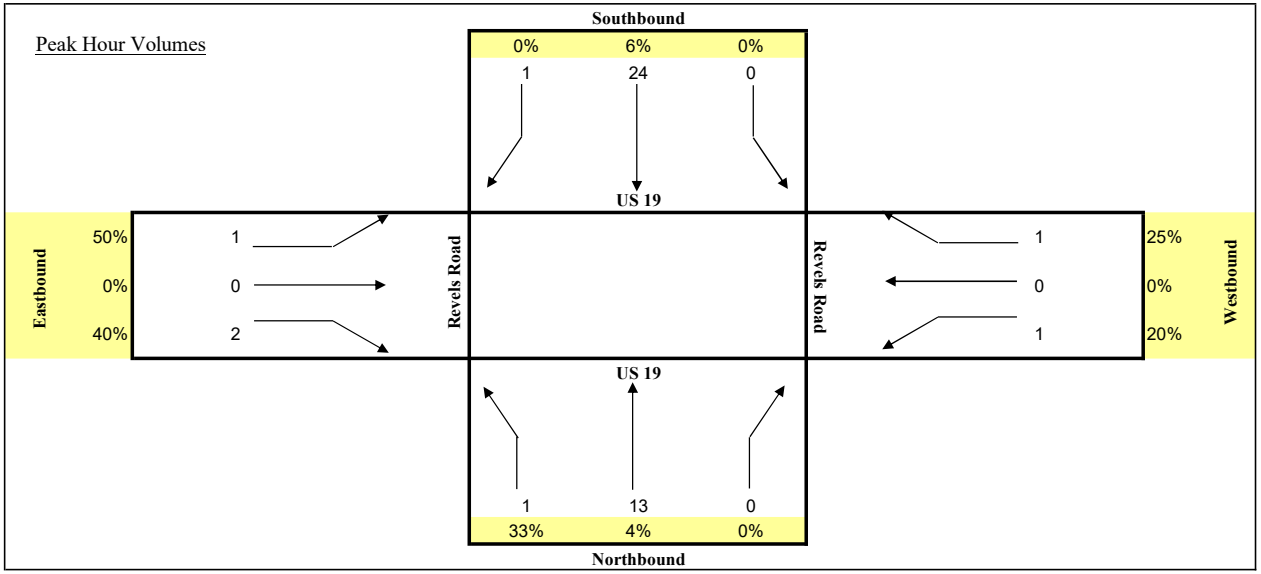


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): US 19
Intersection (E/W): Revels Road
Date: 7/19/2023

		US 19			US 19			Revels Road			Revels Road			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
7:00 AM	7:15 AM	1	3	0	0	5	0	0	0	0	0	0	0	9
7:15 AM	7:30 AM	0	1	0	0	6	0	0	0	0	0	0	0	7
7:30 AM	7:45 AM	0	2	0	0	5	0	0	0	0	0	0	0	7
7:45 AM	8:00 AM	1	6	0	0	3	0	0	0	0	0	0	1	11
8:00 AM	8:15 AM	0	1	0	0	8	0	0	0	0	0	0	0	9
8:15 AM	8:30 AM	0	3	0	0	6	0	0	0	1	0	0	0	10
8:30 AM	8:45 AM	0	3	0	0	7	1	1	0	1	1	0	0	14
8:45 AM	9:00 AM	0	1	0	0	3	1	0	0	0	0	0	0	5
Total for:	7:00 AM	8:00 AM	2	12	0	0	19	0	0	0	0	0	0	1	34
Total for:	8:00 AM	9:00 AM	0	8	0	0	24	2	1	0	2	1	0	0	38
Tota Peak Hour:	7:45 AM	8:45 AM	1	13	0	0	24	1	1	0	2	1	0	1	44
Overall PHF:	0.79														

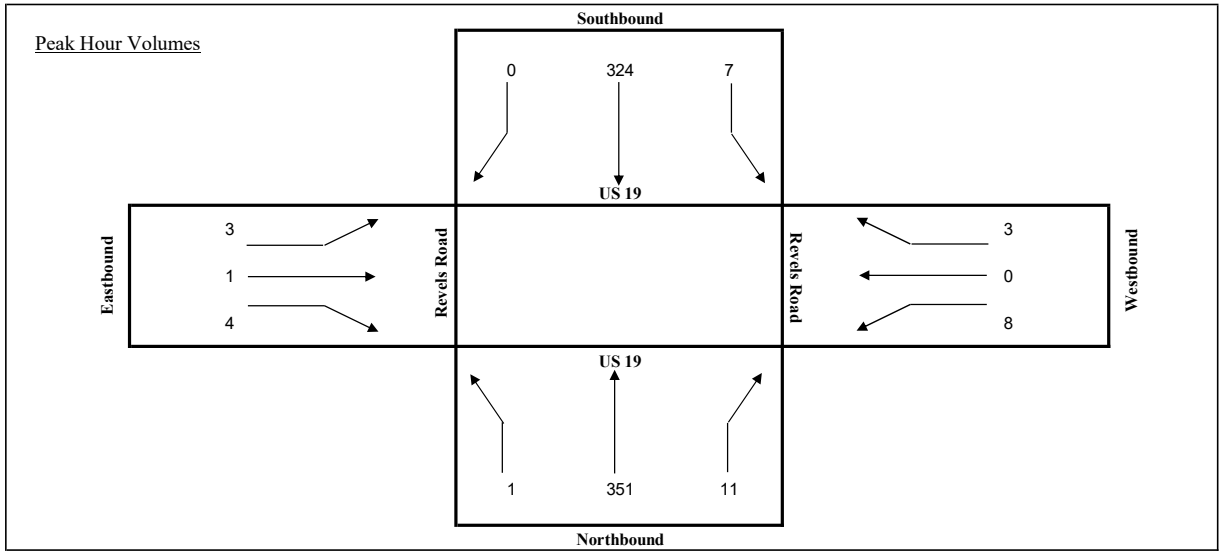


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): US 19
Intersection (E/W): Revels Road
Date: 7/19/2023

			US 19 NB			US 19 SB			Revels Road EB			Revels Road WB			
Start	End		L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
4:00 PM	4:15 PM		2	89	6	5	61	3	1	0	0	1	1	2	171
4:15 PM	4:30 PM		0	76	3	0	74	1	1	0	1	3	0	1	160
4:30 PM	4:45 PM		1	78	1	2	88	0	0	0	1	2	0	0	173
4:45 PM	5:00 PM		0	93	6	1	91	0	0	0	0	2	0	2	195
5:00 PM	5:15 PM		0	88	3	2	70	0	1	0	2	2	0	0	168
5:15 PM	5:30 PM		0	92	1	2	75	0	2	1	1	2	0	1	177
5:30 PM	5:45 PM		0	92	2	1	70	0	0	0	1	0	0	0	166
5:45 PM	6:00 PM		0	86	3	0	72	0	1	0	0	2	0	1	165
Total for:	4:00 PM	5:00 PM	3	336	16	8	314	4	2	0	2	8	1	5	699
Total for:	5:00 PM	6:00 PM	0	358	9	5	287	0	4	1	4	6	0	2	676
Tota Peak Hour:	4:30 PM	5:30 PM	1	351	11	7	324	0	3	1	4	8	0	3	713
Overall PHF:	0.91														

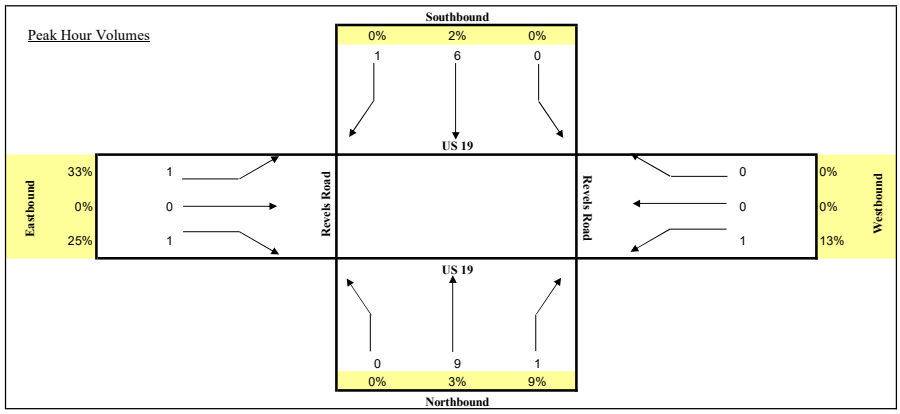


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): US 19
Intersection (E/W): Revels Road
Date: 7/19/2023

		US 19 NB			US 19 SB			Revels Road EB			Revels Road WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	1	0	0	1	1	0	0	0	0	0	0	3
4:15 PM	4:30 PM	0	4	1	0	2	0	1	0	0	0	0	0	8
4:30 PM	4:45 PM	0	1	0	0	0	0	0	0	1	1	0	0	3
4:45 PM	5:00 PM	0	3	0	0	3	0	0	0	0	0	0	0	6
5:00 PM	5:15 PM	0	2	0	0	1	0	0	0	0	0	0	0	3
5:15 PM	5:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	2
5:30 PM	5:45 PM	0	5	0	0	2	0	0	0	0	0	0	0	7
5:45 PM	6:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
Total for:	4:00 PM	5:00 PM	0	9	1	0	6	1	1	0	1	1	0	0	20
Total for:	5:00 PM	6:00 PM	0	9	0	0	4	0	0	0	0	0	0	0	13
Tota Peak Hour:	4:00 PM	5:00 PM	0	9	1	0	6	1	1	0	1	1	0	0	20
Overall PHF:	0.63														

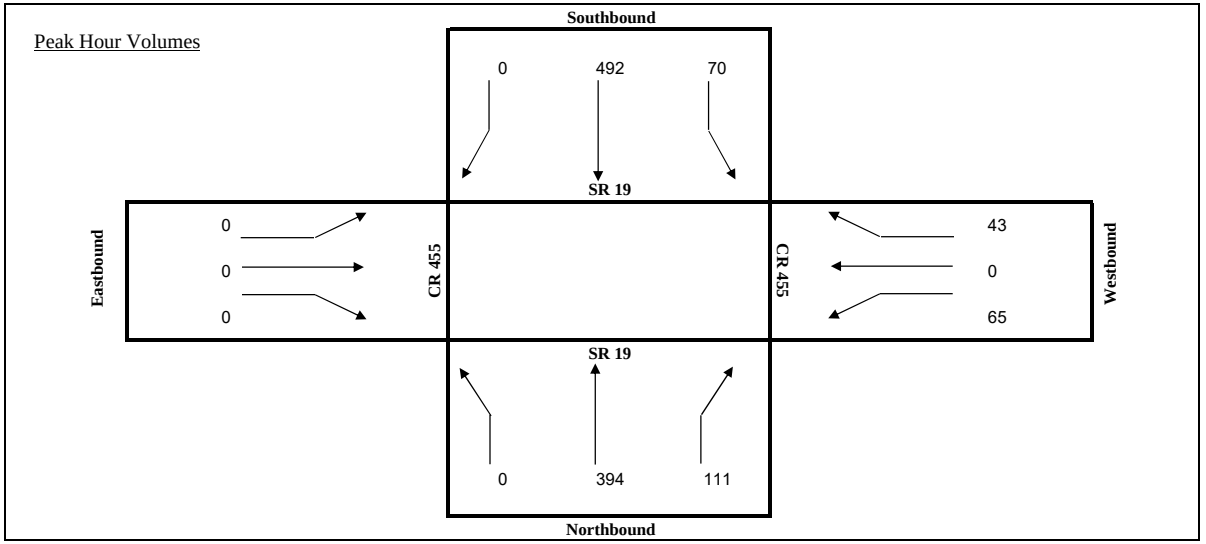


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): CR 455
Date: 1/24/2023

			SR 19 NB			SR 19 SB			CR 455 EB			CR 455 WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	7:00 AM	7:15 AM	0	92	15	11	131	0	0	0	0	7	0	4	260
	7:15 AM	7:30 AM	0	93	23	16	144	0	0	0	0	9	0	6	291
	7:30 AM	7:45 AM	0	111	27	21	105	0	0	0	0	13	0	11	288
	7:45 AM	8:00 AM	0	91	26	20	124	0	0	0	0	17	0	12	290
	8:00 AM	8:15 AM	0	99	35	13	119	0	0	0	0	26	0	14	306
	8:15 AM	8:30 AM	0	93	29	18	98	0	0	0	0	22	0	11	271
	8:30 AM	8:45 AM	0	74	27	11	94	0	0	0	0	22	0	12	240
	8:45 AM	9:00 AM	0	81	22	9	94	0	0	0	0	17	0	9	232
Total for:	7:00 AM	8:00 AM	0	387	91	68	504	0	0	0	0	46	0	33	1129
Total for:	8:00 AM	9:00 AM	0	347	113	51	405	0	0	0	0	87	0	46	1049
Tota Peak Hour:	7:15 AM	8:15 AM	0	394	111	70	492	0	0	0	0	65	0	43	1175
Overall PHF:	0.96														

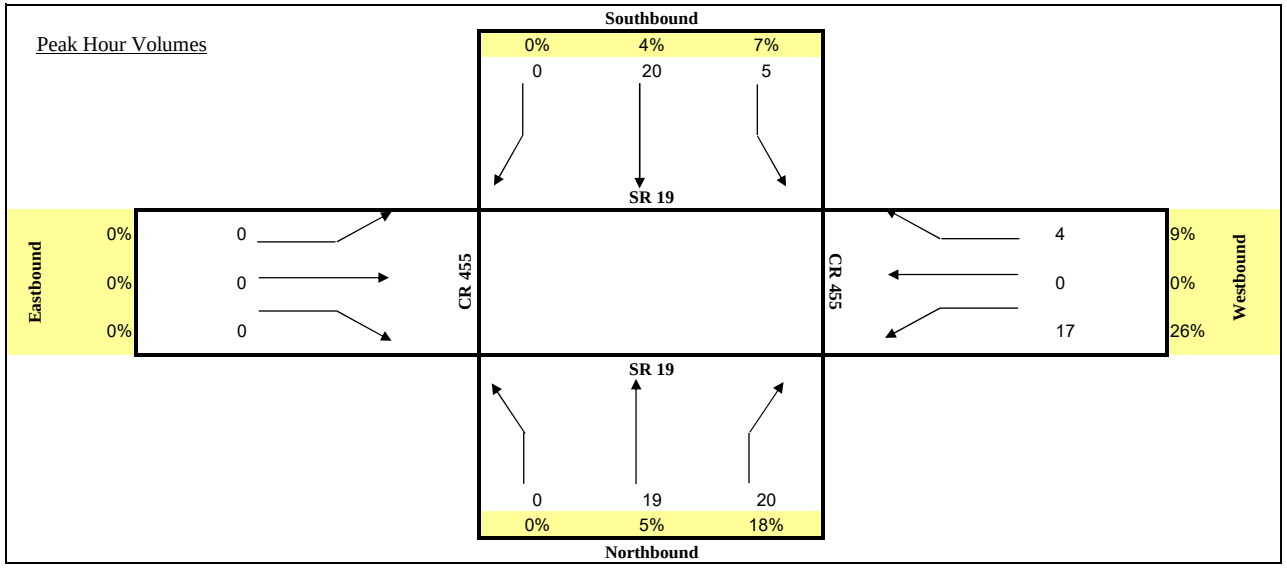


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): CR 455
Date: 1/24/2023

		SR 19 NB			SR 19 SB			CR 455 EB			CR 455 WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
7:00 AM	7:15 AM	0	3	3	0	7	0	0	0	0	2	0	1	16
7:15 AM	7:30 AM	0	6	1	1	8	0	0	0	0	2	0	0	18
7:30 AM	7:45 AM	0	7	7	3	5	0	0	0	0	3	0	2	27
7:45 AM	8:00 AM	0	3	2	1	3	0	0	0	0	1	0	0	10
8:00 AM	8:15 AM	0	6	5	0	5	0	0	0	0	5	0	1	22
8:15 AM	8:30 AM	0	3	6	3	6	0	0	0	0	3	0	2	23
8:30 AM	8:45 AM	0	3	6	1	5	0	0	0	0	6	0	0	21
8:45 AM	9:00 AM	0	7	3	1	4	0	0	0	0	3	0	1	19
Total for:	7:00 AM	8:00 AM	0	19	13	5	23	0	0	0	0	8	0	3	71
Total for:	8:00 AM	9:00 AM	0	19	20	5	20	0	0	0	0	17	0	4	85
Tota Peak Hour:	8:00 AM	9:00 AM	0	19	20	5	20	0	0	0	0	17	0	4	85
Overall PHF:	0.92														

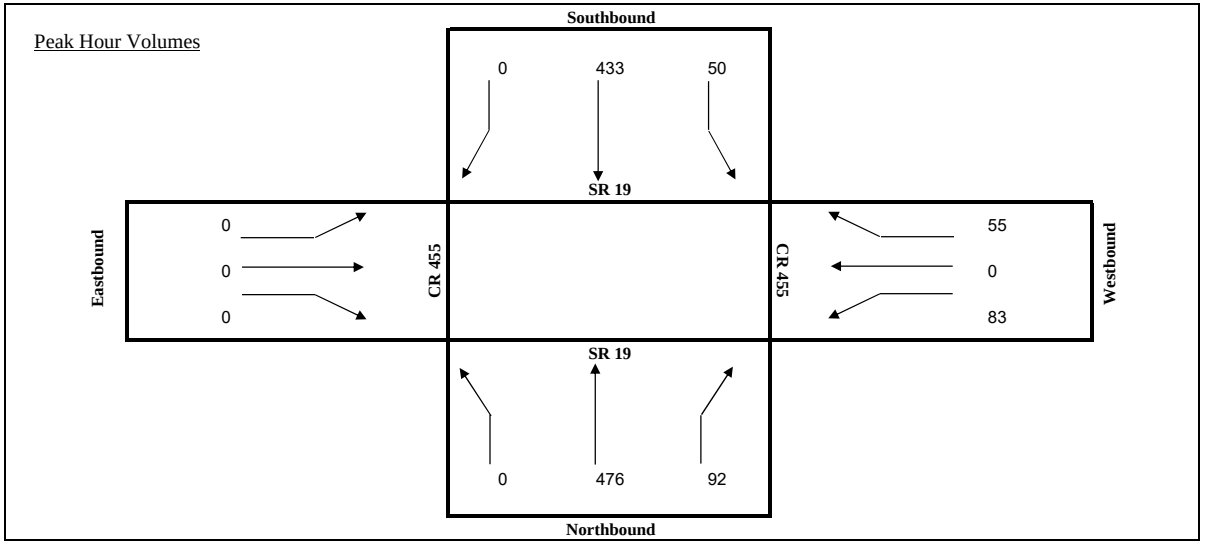


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): CR 455
Date: 1/24/2023

			SR 19 NB			SR 19 SB			CR 455 EB			CR 455 WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	4:00 PM	4:15 PM	0	97	20	6	117	0	0	0	0	18	0	14	272
	4:15 PM	4:30 PM	0	111	22	9	109	0	0	0	0	22	0	11	284
	4:30 PM	4:45 PM	0	114	25	13	108	0	0	0	0	19	0	16	295
	4:45 PM	5:00 PM	0	118	22	9	108	0	0	0	0	25	0	13	295
	5:00 PM	5:15 PM	0	131	21	14	104	0	0	0	0	18	0	10	298
	5:15 PM	5:30 PM	0	113	24	14	113	0	0	0	0	21	0	16	301
	5:30 PM	5:45 PM	0	96	28	17	94	0	0	0	0	17	0	19	271
	5:45 PM	6:00 PM	0	87	21	10	102	0	0	0	0	21	0	12	253
Total for:	4:00 PM	5:00 PM	0	440	89	37	442	0	0	0	0	84	0	54	1146
Total for:	5:00 PM	6:00 PM	0	427	94	55	413	0	0	0	0	77	0	57	1123
Tota Peak Hour:	4:30 PM	5:30 PM	0	476	92	50	433	0	0	0	0	83	0	55	1189
Overall PHF:	0.99														

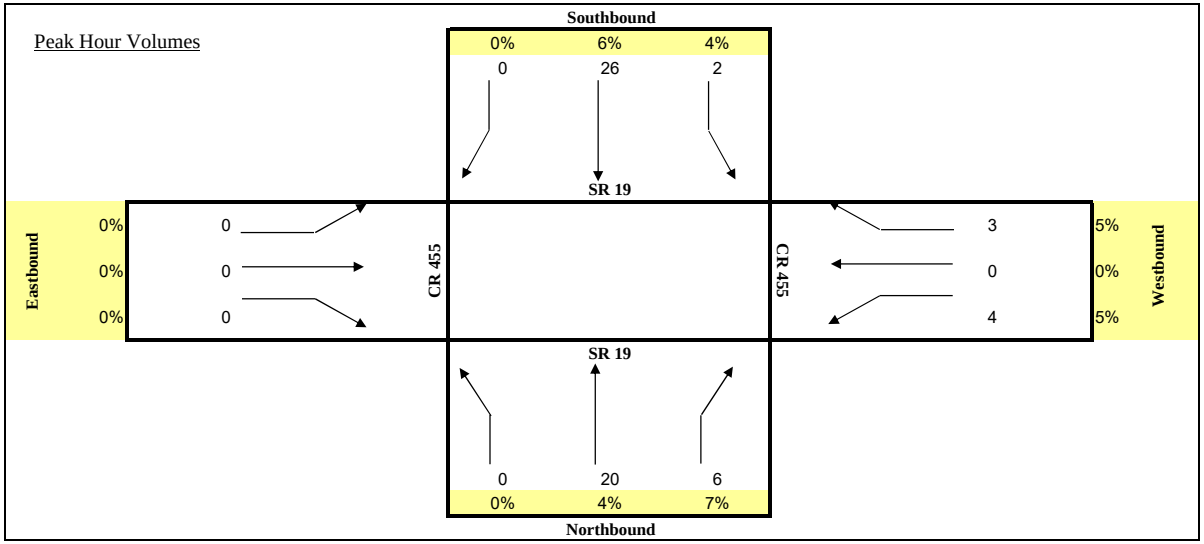


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 19
Intersection (E/W): CR 455
Date: 1/24/2023

		SR 19			SR 19			CR 455			CR 455			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	6	3	0	7	0	0	0	0	1	0	1	18
4:15 PM	4:30 PM	0	5	0	1	7	0	0	0	0	1	0	1	15
4:30 PM	4:45 PM	0	7	2	1	4	0	0	0	0	0	0	0	14
4:45 PM	5:00 PM	0	2	1	0	8	0	0	0	0	2	0	1	14
5:00 PM	5:15 PM	0	4	3	1	2	0	0	0	0	0	0	0	10
5:15 PM	5:30 PM	0	3	1	0	7	0	0	0	0	1	0	0	12
5:30 PM	5:45 PM	0	0	4	1	1	0	0	0	0	0	0	2	8
5:45 PM	6:00 PM	0	0	1	0	5	0	0	0	0	1	0	1	8
Total for:	4:00 PM	5:00 PM	0	20	6	2	26	0	0	0	0	4	0	3	61
Total for:	5:00 PM	6:00 PM	0	7	9	2	15	0	0	0	0	2	0	3	38
Tota Peak Hour:	4:00 PM	5:00 PM	0	20	6	2	26	0	0	0	0	4	0	3	61
Overall PHF:	0.85														



2022 PEAK SEASON FACTOR CATEGORY REPORT - REPORT TYPE: ALL
CATEGORY: 1100 LAKE COUNTYWIDE

MOCF: 0.95

WEEK	DATES	SF	PSCF
1	01/01/2022 - 01/01/2022	0.99	1.04
2	01/02/2022 - 01/08/2022	1.01	1.06
3	01/09/2022 - 01/15/2022	1.03	1.08
4	01/16/2022 - 01/22/2022	1.02	1.07
5	01/23/2022 - 01/29/2022	1.00	1.05
* 6	01/30/2022 - 02/05/2022	0.98	1.03
* 7	02/06/2022 - 02/12/2022	0.97	1.02
* 8	02/13/2022 - 02/19/2022	0.95	1.00
* 9	02/20/2022 - 02/26/2022	0.95	1.00
*10	02/27/2022 - 03/05/2022	0.94	0.99
*11	03/06/2022 - 03/12/2022	0.94	0.99
*12	03/13/2022 - 03/19/2022	0.93	0.98
*13	03/20/2022 - 03/26/2022	0.94	0.99
*14	03/27/2022 - 04/02/2022	0.95	1.00
*15	04/03/2022 - 04/09/2022	0.95	1.00
*16	04/10/2022 - 04/16/2022	0.96	1.01
*17	04/17/2022 - 04/23/2022	0.97	1.02
*18	04/24/2022 - 04/30/2022	0.98	1.03
19	05/01/2022 - 05/07/2022	0.99	1.04
20	05/08/2022 - 05/14/2022	0.99	1.04
21	05/15/2022 - 05/21/2022	1.00	1.05
22	05/22/2022 - 05/28/2022	1.01	1.06
23	05/29/2022 - 06/04/2022	1.02	1.07
24	06/05/2022 - 06/11/2022	1.03	1.08
25	06/12/2022 - 06/18/2022	1.04	1.09
26	06/19/2022 - 06/25/2022	1.05	1.11
27	06/26/2022 - 07/02/2022	1.05	1.11
28	07/03/2022 - 07/09/2022	1.06	1.12
29	07/10/2022 - 07/16/2022	1.06	1.12
30	07/17/2022 - 07/23/2022	1.06	1.12
31	07/24/2022 - 07/30/2022	1.05	1.11
32	07/31/2022 - 08/06/2022	1.05	1.11
33	08/07/2022 - 08/13/2022	1.04	1.09
34	08/14/2022 - 08/20/2022	1.04	1.09
35	08/21/2022 - 08/27/2022	1.05	1.11
36	08/28/2022 - 09/03/2022	1.06	1.12
37	09/04/2022 - 09/10/2022	1.07	1.13
38	09/11/2022 - 09/17/2022	1.08	1.14
39	09/18/2022 - 09/24/2022	1.05	1.11
40	09/25/2022 - 10/01/2022	1.02	1.07
41	10/02/2022 - 10/08/2022	1.00	1.05
42	10/09/2022 - 10/15/2022	0.97	1.02
43	10/16/2022 - 10/22/2022	0.98	1.03
44	10/23/2022 - 10/29/2022	0.99	1.04
45	10/30/2022 - 11/05/2022	0.99	1.04
46	11/06/2022 - 11/12/2022	1.00	1.05
47	11/13/2022 - 11/19/2022	1.01	1.06
48	11/20/2022 - 11/26/2022	1.00	1.05
49	11/27/2022 - 12/03/2022	1.00	1.05
50	12/04/2022 - 12/10/2022	0.99	1.04
51	12/11/2022 - 12/17/2022	0.99	1.04
52	12/18/2022 - 12/24/2022	1.01	1.06
53	12/25/2022 - 12/31/2022	1.03	1.08

* PEAK SEASON

23-FEB-2023 09:11:22 830UPD 5_1100_PKSEASON.TXT

Appendix E
HCM Analysis Worksheets - Existing Conditions

HCM 6th Signalized Intersection Summary
1: SR 19 & CR 48

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	346	229	316	455	277	98
Future Volume (veh/h)	346	229	316	455	277	98
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1752	1589	1767	1811	1737	1811
Adj Flow Rate, veh/h	357	117	326	0	286	101
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	10	21	9	6	11	6
Cap, veh/h	390	315	751		564	1114
Arrive On Green	0.23	0.23	0.42	0.00	0.12	0.62
Sat Flow, veh/h	1668	1346	1767	1535	1654	1811
Grp Volume(v), veh/h	357	117	326	0	286	101
Grp Sat Flow(s),veh/h/ln	1668	1346	1767	1535	1654	1811
Q Serve(g_s), s	18.9	6.6	11.8	0.0	8.2	2.1
Cycle Q Clear(g_c), s	18.9	6.6	11.8	0.0	8.2	2.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	390	315	751		564	1114
V/C Ratio(X)	0.91	0.37	0.43		0.51	0.09
Avail Cap(c_a), veh/h	417	336	751		705	1114
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	33.9	29.2	18.4	0.0	11.8	7.1
Incr Delay (d2), s/veh	23.6	0.7	1.8	0.0	0.7	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	14.8	3.7	8.6	0.0	5.1	1.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	57.5	29.9	20.3	0.0	12.6	7.3
LnGrp LOS	E	C	C		B	A
Approach Vol, veh/h	474		326	A		387
Approach Delay, s/veh	50.7		20.3			11.2
Approach LOS	D		C			B

Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	17.3	45.0		28.6		62.3
Change Period (Y+Rc), s	6.5	6.4		7.3		6.4
Max Green Setting (Gmax), s	18.5	38.6		22.7		38.6
Max Q Clear Time (g_c+I1), s	10.2	13.8		20.9		4.1
Green Ext Time (p_c), s	0.5	1.9		0.3		0.5

Intersection Summary			
HCM 6th Ctrl Delay		29.5	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: SR 19 & CR 48

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	434	319	72	353	304	84
Future Volume (veh/h)	434	319	72	353	304	84
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1752	1589	1767	1811	1737	1811
Adj Flow Rate, veh/h	447	210	74	0	313	87
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	10	21	9	6	11	6
Cap, veh/h	405	327	729		767	1107
Arrive On Green	0.24	0.24	0.41	0.00	0.13	0.61
Sat Flow, veh/h	1668	1346	1767	1535	1654	1811
Grp Volume(v), veh/h	447	210	74	0	313	87
Grp Sat Flow(s),veh/h/ln	1668	1346	1767	1535	1654	1811
Q Serve(g_s), s	22.7	13.1	2.4	0.0	9.5	1.8
Cycle Q Clear(g_c), s	22.7	13.1	2.4	0.0	9.5	1.8
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	405	327	729		767	1107
V/C Ratio(X)	1.10	0.64	0.10		0.41	0.08
Avail Cap(c_a), veh/h	405	327	729		880	1107
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	35.4	31.8	16.9	0.0	11.2	7.4
Incr Delay (d2), s/veh	76.1	4.3	0.3	0.0	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	25.4	7.8	1.8	0.0	5.8	1.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	111.6	36.1	17.1	0.0	11.5	7.6
LnGrp LOS	F	D	B		B	A
Approach Vol, veh/h	657		74	A		400
Approach Delay, s/veh	87.5		17.1			10.7
Approach LOS	F		B			B

Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	18.6	45.0		30.0		63.6
Change Period (Y+Rc), s	6.5	6.4		7.3		6.4
Max Green Setting (Gmax), s	18.5	38.6		22.7		38.6
Max Q Clear Time (g_c+I1), s	11.5	4.4		24.7		3.8
Green Ext Time (p_c), s	0.6	0.4		0.0		0.4

Intersection Summary			
HCM 6th Ctrl Delay		55.7	
HCM 6th LOS		E	

Notes

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	35	3	10	11	1	15	12	377	24	4	428	7
Future Vol, veh/h	35	3	10	11	1	15	12	377	24	4	428	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	12	33	2	2	2	2	38	10	2	42	2	11
Mvmt Flow	36	3	10	11	1	15	12	389	25	4	441	7

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	887	891	445	885	882	402	448	0	0	414	0	0
Stage 1	453	453	-	426	426	-	-	-	-	-	-	-
Stage 2	434	438	-	459	456	-	-	-	-	-	-	-
Critical Hdwy	7.22	6.83	6.22	7.12	6.52	6.22	4.48	-	-	4.52	-	-
Critical Hdwy Stg 1	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.608	4.297	3.318	3.518	4.018	3.318	2.542	-	-	2.578	-	-
Pot Cap-1 Maneuver	254	251	613	266	285	648	946	-	-	960	-	-
Stage 1	568	521	-	606	586	-	-	-	-	-	-	-
Stage 2	581	529	-	582	568	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	243	245	613	255	278	648	946	-	-	960	-	-
Mov Cap-2 Maneuver	243	245	-	255	278	-	-	-	-	-	-	-
Stage 1	558	518	-	596	576	-	-	-	-	-	-	-
Stage 2	556	520	-	565	565	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	20.7	15.1	0.3	0.1
HCM LOS	C	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	946	-	-	278	386	960	-	-
HCM Lane V/C Ratio	0.013	-	-	0.178	0.072	0.004	-	-
HCM Control Delay (s)	8.9	0	-	20.7	15.1	8.8	0	-
HCM Lane LOS	A	A	-	C	C	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.6	0.2	0	-	-

Intersection	
Int Delay, s/veh	2.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	32	12	13	17	3	14	16	363	21	16	432	40
Future Vol, veh/h	32	12	13	17	3	14	16	363	21	16	432	40
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	12	33	2	2	2	2	38	10	2	42	2	11
Mvmt Flow	33	12	13	18	3	14	16	374	22	16	445	41

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	924	926	466	927	935	385	486	0	0	396	0	0
Stage 1	498	498	-	417	417	-	-	-	-	-	-	-
Stage 2	426	428	-	510	518	-	-	-	-	-	-	-
Critical Hdwy	7.22	6.83	6.22	7.12	6.52	6.22	4.48	-	-	4.52	-	-
Critical Hdwy Stg 1	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.608	4.297	3.318	3.518	4.018	3.318	2.542	-	-	2.578	-	-
Pot Cap-1 Maneuver	240	239	597	249	265	663	914	-	-	975	-	-
Stage 1	536	496	-	613	591	-	-	-	-	-	-	-
Stage 2	587	535	-	546	533	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	225	228	597	225	253	663	914	-	-	975	-	-
Mov Cap-2 Maneuver	225	228	-	225	253	-	-	-	-	-	-	-
Stage 1	524	485	-	599	577	-	-	-	-	-	-	-
Stage 2	558	523	-	508	521	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	22.6	17.9	0.4	0.3
HCM LOS	C	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	914	-	-	263	313	975	-	-
HCM Lane V/C Ratio	0.018	-	-	0.223	0.112	0.017	-	-
HCM Control Delay (s)	9	0	-	22.6	17.9	8.8	0	-
HCM Lane LOS	A	A	-	C	C	A	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0.8	0.4	0.1	-	-

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	1	37	12	1	19	1	4	0	3	0	0	0
Future Vol, veh/h	1	37	12	1	19	1	4	0	3	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	80	80	80	80	80	80	80	80	80	80	80	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	46	15	1	24	1	5	0	4	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	25	0	0	61	0	0	83	83	54	85	90	25
Stage 1	-	-	-	-	-	-	56	56	-	27	27	-
Stage 2	-	-	-	-	-	-	27	27	-	58	63	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1589	-	-	1542	-	-	904	807	1013	901	800	1051
Stage 1	-	-	-	-	-	-	956	848	-	990	873	-
Stage 2	-	-	-	-	-	-	990	873	-	954	842	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1589	-	-	1542	-	-	902	805	1013	896	798	1051
Mov Cap-2 Maneuver	-	-	-	-	-	-	902	805	-	896	798	-
Stage 1	-	-	-	-	-	-	955	847	-	989	872	-
Stage 2	-	-	-	-	-	-	989	872	-	950	841	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.3	8.8	0
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	946	1589	-	-	1542	-	-	-
HCM Lane V/C Ratio	0.009	0.001	-	-	0.001	-	-	-
HCM Control Delay (s)	8.8	7.3	0	-	7.3	0	-	0
HCM Lane LOS	A	A	A	-	A	A	-	A
HCM 95th %tile Q(veh)	0	0	-	-	0	-	-	-

Intersection	
Int Delay, s/veh	3.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	29	5	17	25	5	5	1	20	1	0	0
Future Vol, veh/h	0	29	5	17	25	5	5	1	20	1	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	80	80	80	80	80	80	80	80	80	80	80	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	36	6	21	31	6	6	1	25	1	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	37	0	0	42	0	0	115	118	39	128	118	34
Stage 1	-	-	-	-	-	-	39	39	-	76	76	-
Stage 2	-	-	-	-	-	-	76	79	-	52	42	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1574	-	-	1567	-	-	862	772	1033	845	772	1039
Stage 1	-	-	-	-	-	-	976	862	-	933	832	-
Stage 2	-	-	-	-	-	-	933	829	-	961	860	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1574	-	-	1567	-	-	853	761	1033	815	761	1039
Mov Cap-2 Maneuver	-	-	-	-	-	-	853	761	-	815	761	-
Stage 1	-	-	-	-	-	-	976	862	-	933	820	-
Stage 2	-	-	-	-	-	-	920	817	-	936	860	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	2.7	8.8	9.4
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	980	1574	-	-	1567	-	-	815
HCM Lane V/C Ratio	0.033	-	-	-	0.014	-	-	0.002
HCM Control Delay (s)	8.8	0	-	-	7.3	0	-	9.4
HCM Lane LOS	A	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	0

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	2	0	5	5	0	4	3	324	13	3	435	0
Future Vol, veh/h	2	0	5	5	0	4	3	324	13	3	435	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	8	12	2	10	2
Mvmt Flow	2	0	6	6	0	4	3	360	14	3	483	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	864	869	483	865	862	367	483	0	0	374	0	0
Stage 1	489	489	-	373	373	-	-	-	-	-	-	-
Stage 2	375	380	-	492	489	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	274	290	584	274	293	678	1080	-	-	1184	-	0
Stage 1	561	549	-	648	618	-	-	-	-	-	-	0
Stage 2	646	614	-	558	549	-	-	-	-	-	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	271	288	584	270	291	678	1080	-	-	1184	-	-
Mov Cap-2 Maneuver	271	288	-	270	291	-	-	-	-	-	-	-
Stage 1	559	547	-	645	616	-	-	-	-	-	-	-
Stage 2	639	612	-	551	547	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	13.3	15	0.1	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT
Capacity (veh/h)	1080	-	-	439	369	1184	-
HCM Lane V/C Ratio	0.003	-	-	0.018	0.027	0.003	-
HCM Control Delay (s)	8.3	-	-	13.3	15	8	0
HCM Lane LOS	A	-	-	B	C	A	A
HCM 95th %tile Q(veh)	0	-	-	0.1	0.1	0	-

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	1	4	8	0	3	1	372	12	7	343	0
Future Vol, veh/h	3	1	4	8	0	3	1	372	12	7	343	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	8	12	2	10	2
Mvmt Flow	3	1	4	9	0	3	1	413	13	8	381	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	820	825	381	822	819	420	381	0	0	426	0	0
Stage 1	397	397	-	422	422	-	-	-	-	-	-	-
Stage 2	423	428	-	400	397	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	294	308	666	293	310	633	1177	-	-	1133	-	0
Stage 1	629	603	-	609	588	-	-	-	-	-	-	0
Stage 2	609	585	-	626	603	-	-	-	-	-	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	290	305	666	288	307	633	1177	-	-	1133	-	-
Mov Cap-2 Maneuver	290	305	-	288	307	-	-	-	-	-	-	-
Stage 1	628	598	-	608	587	-	-	-	-	-	-	-
Stage 2	605	584	-	615	598	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	14	16.1	0	0.2
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT
Capacity (veh/h)	1177	-	-	408	338	1133	-
HCM Lane V/C Ratio	0.001	-	-	0.022	0.036	0.007	-
HCM Control Delay (s)	8.1	-	-	14	16.1	8.2	0
HCM Lane LOS	A	-	-	B	C	A	A
HCM 95th %tile Q(veh)	0	-	-	0.1	0.1	0	-

Intersection	
Int Delay, s/veh	2.8

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	65	43	394	111	70	492
Future Vol, veh/h	65	43	394	111	70	492
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	590	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	38	15	8	22	9	5
Mvmt Flow	68	45	410	116	73	513

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1069	410	0	0	526	0
Stage 1	410	-	-	-	-	-
Stage 2	659	-	-	-	-	-
Critical Hdwy	6.78	6.35	-	-	4.19	-
Critical Hdwy Stg 1	5.78	-	-	-	-	-
Critical Hdwy Stg 2	5.78	-	-	-	-	-
Follow-up Hdwy	3.842	3.435	-	-	2.281	-
Pot Cap-1 Maneuver	210	614	-	-	1006	-
Stage 1	599	-	-	-	-	-
Stage 2	453	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	189	614	-	-	1006	-
Mov Cap-2 Maneuver	189	-	-	-	-	-
Stage 1	599	-	-	-	-	-
Stage 2	407	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	25.1	0	1.1
HCM LOS	D		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	189	614	1006	-
HCM Lane V/C Ratio	-	-	0.358	0.073	0.072	-
HCM Control Delay (s)	-	-	34.3	11.3	8.9	0
HCM Lane LOS	-	-	D	B	A	A
HCM 95th %tile Q(veh)	-	-	1.5	0.2	0.2	-

Intersection	
Int Delay, s/veh	3.5

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	83	55	476	92	50	433
Future Vol, veh/h	83	55	476	92	50	433
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	590	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	38	15	8	22	9	5
Mvmt Flow	86	57	496	96	52	451

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1051	496	0	0	592	0
Stage 1	496	-	-	-	-	-
Stage 2	555	-	-	-	-	-
Critical Hdwy	6.78	6.35	-	-	4.19	-
Critical Hdwy Stg 1	5.78	-	-	-	-	-
Critical Hdwy Stg 2	5.78	-	-	-	-	-
Follow-up Hdwy	3.842	3.435	-	-	2.281	-
Pot Cap-1 Maneuver	215	548	-	-	950	-
Stage 1	544	-	-	-	-	-
Stage 2	509	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	199	548	-	-	950	-
Mov Cap-2 Maneuver	199	-	-	-	-	-
Stage 1	544	-	-	-	-	-
Stage 2	472	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	26.7	0	0.9
HCM LOS	D		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	199	548	950	-
HCM Lane V/C Ratio	-	-	0.434	0.105	0.055	-
HCM Control Delay (s)	-	-	36.3	12.3	9	0
HCM Lane LOS	-	-	E	B	A	A
HCM 95th %tile Q(veh)	-	-	2	0.3	0.2	-

Appendix F
ITE Trip Generation Sheets

Single-Family Detached Housing
(210)

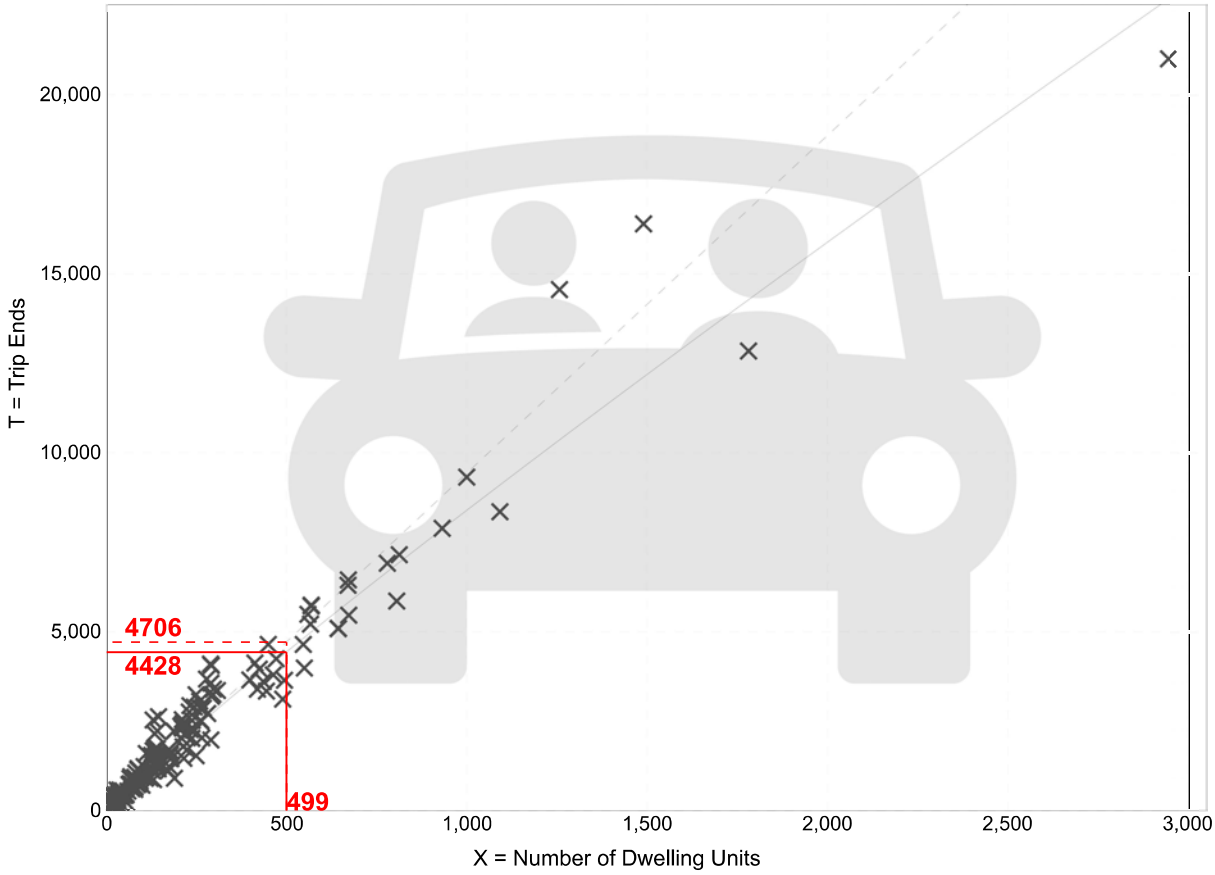
Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday**

Setting/Location: **General Urban/Suburban**
Number of Studies: 174
Avg. Num. of Dwelling Units: 246
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
9.43	4.45 - 22.61	2.13

Data Plot and Equation



Fitted Curve Equation: Ln(T) = 0.92 Ln(X) + 2.68 **R^2= 0.95**

Trip Gen Manual, 11th Edition ● Institute of Transportation Engineers

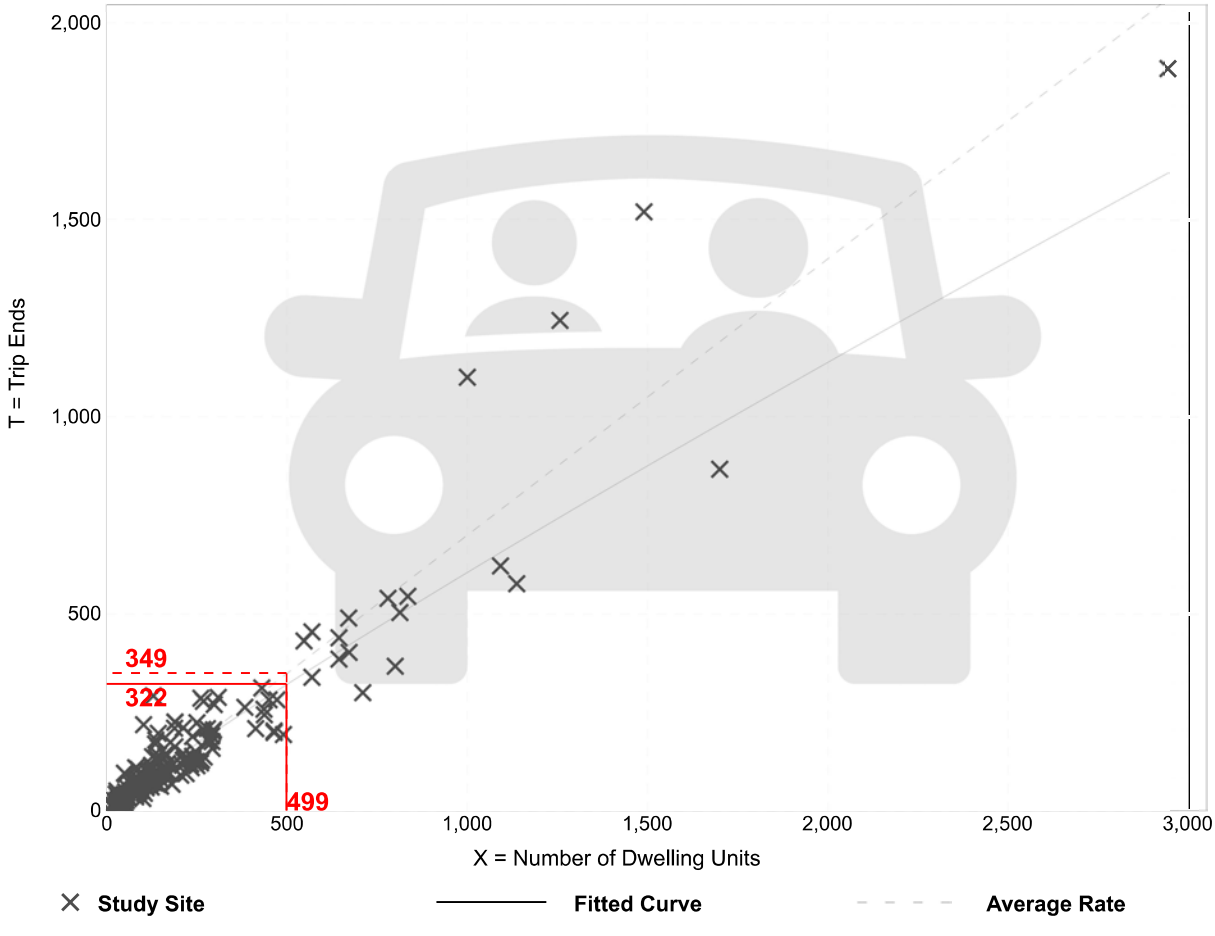
Single-Family Detached Housing
(210)

Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 192
Avg. Num. of Dwelling Units: 226
Directional Distribution: 25% entering, 75% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.70	0.27 - 2.27	0.24

Data Plot and Equation



Trip Gen Manual, 11th Edition ● Institute of Transportation Engineers

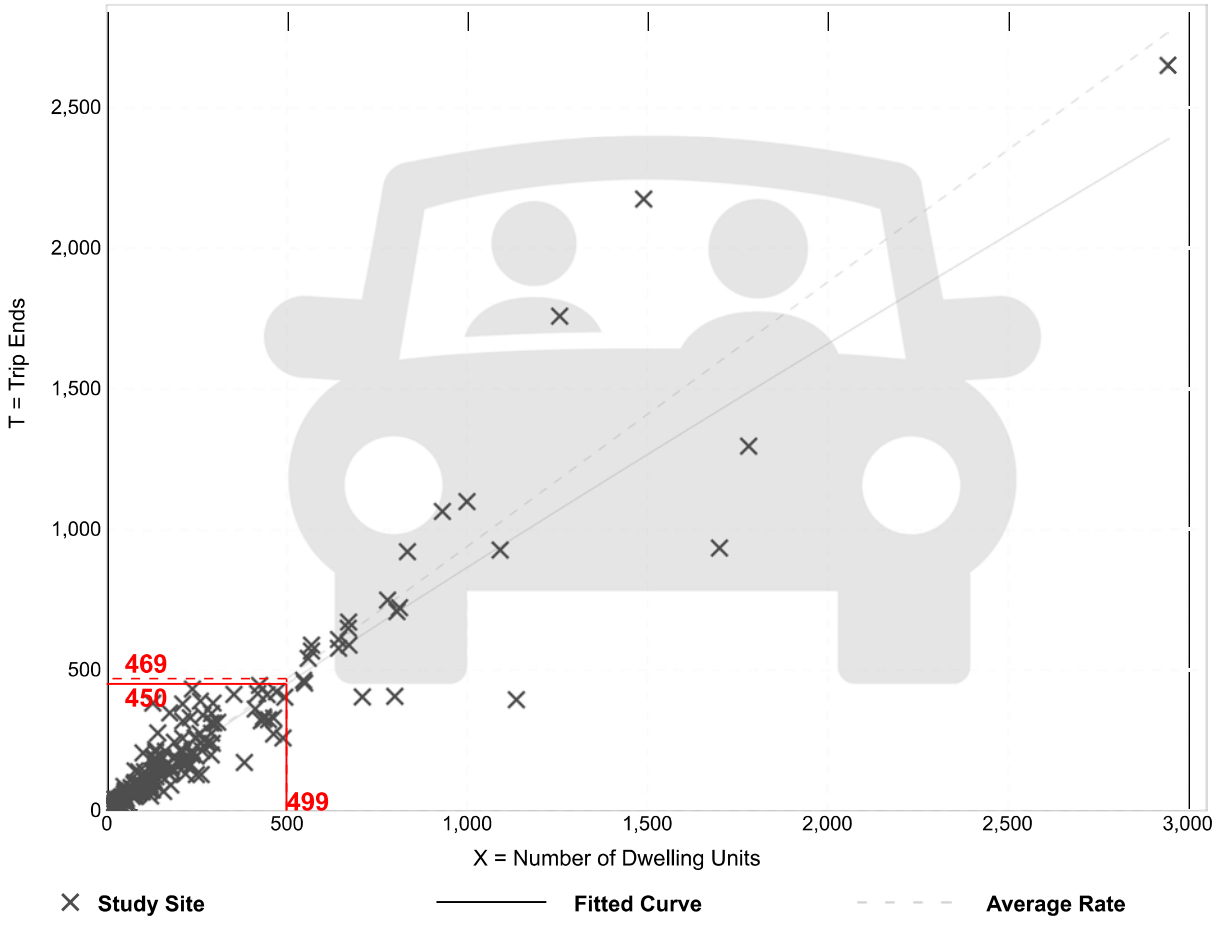
Single-Family Detached Housing
(210)

Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 208
Avg. Num. of Dwelling Units: 248
Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

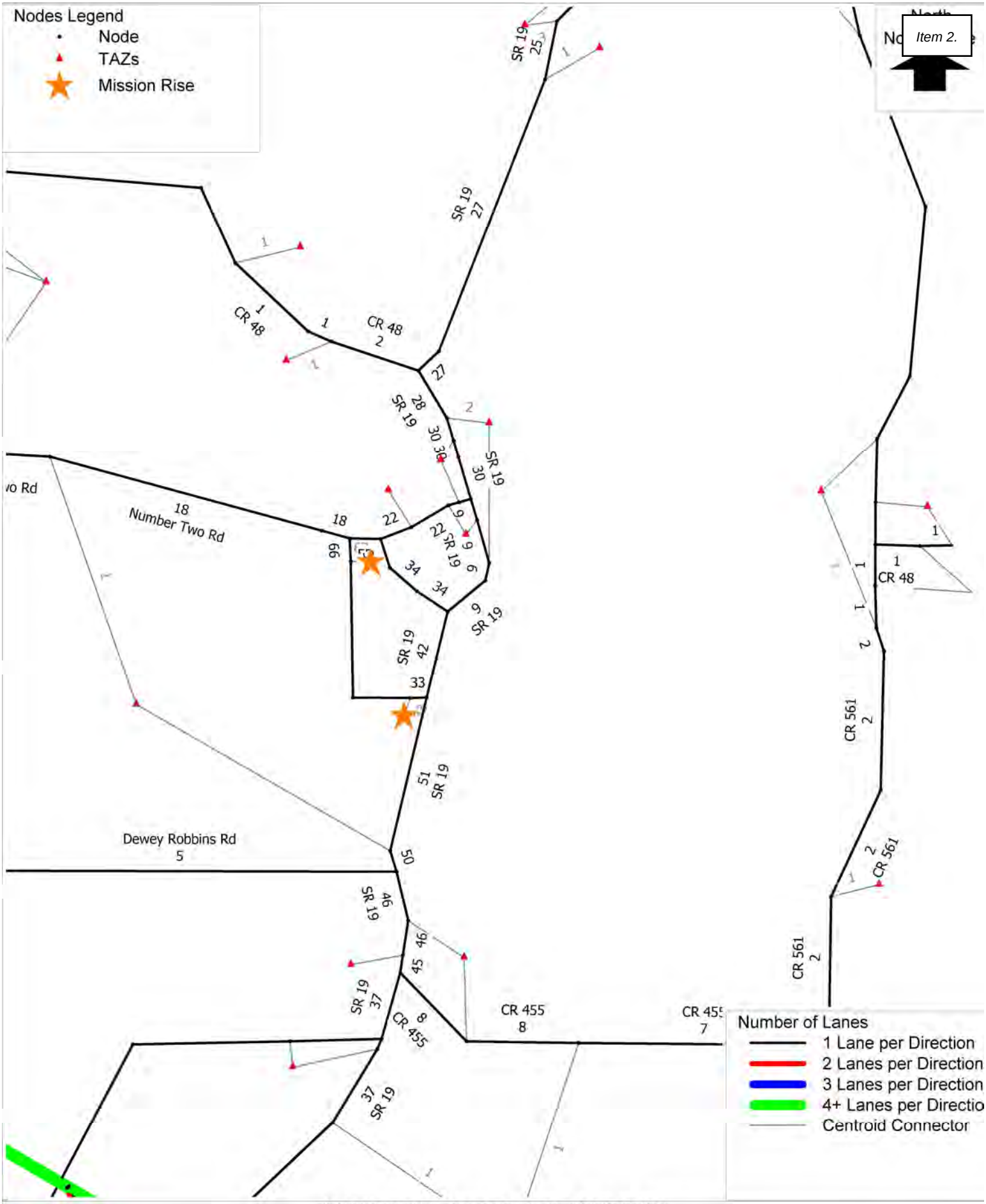
Average Rate	Range of Rates	Standard Deviation
0.94	0.35 - 2.98	0.31

Data Plot and Equation



Fitted Curve Equation: Ln(T) = 0.94 Ln(X) + 0.27 **R^2= 0.92**

Appendix G
CFRPM Model Output



23017 Mission Rise - Osceola County, FL TAZ 7676, 7677
Project Distribution
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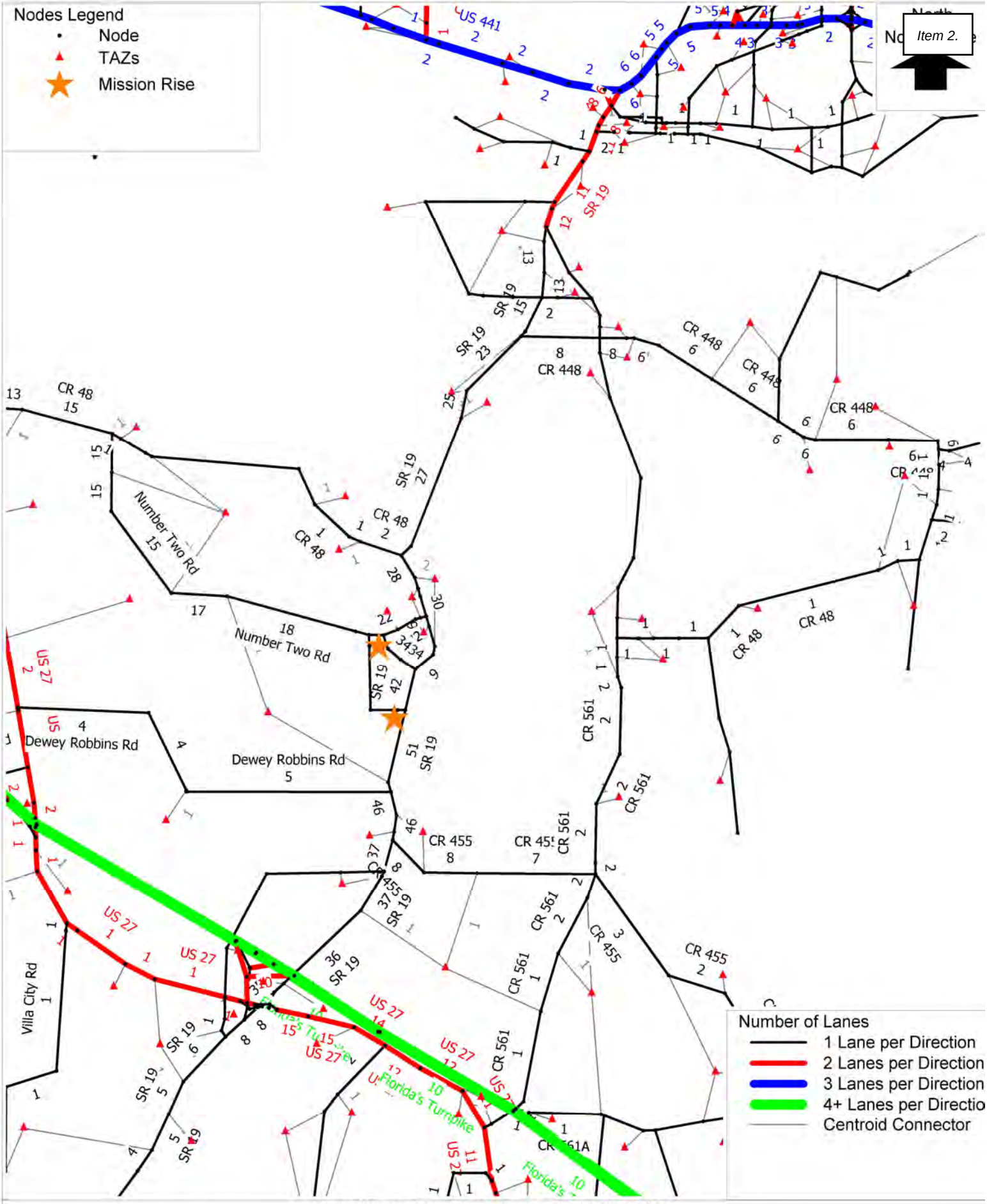
cube
(Licensed to Traffic & Mobility Consultants



23017 Mission Rise - Osceola County, FL TAZ 7676, 7677
Project Distribution
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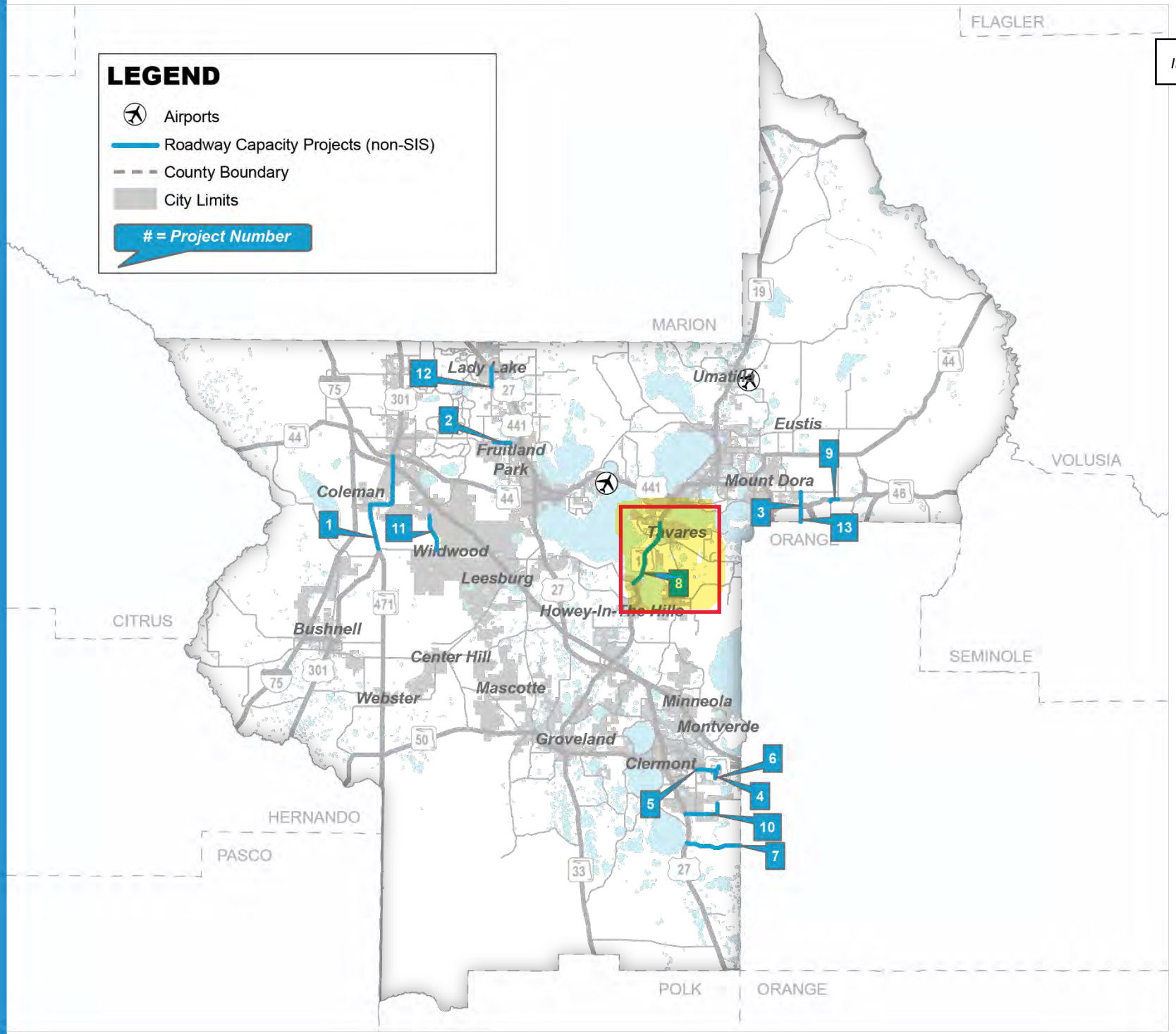
cube (Licensed to Traffic & Mobility Consultants)

Appendix H
LSMPO TIP and *LSMPO LOPP*

ROADWAY CAPACITY PROJECTS (NON-SIS)



7

Project Description: WELLNESS WAY FROM US-27 TO THE LAKE/ORANGE COUNTY LINE

FM# 4487331

Funding Source(s): Local and State

LRTP Page: PG. 4-12

Work Description: NEW ROAD CONSTRUCTION

Phase	<2023	2023	2024	2025	2026	2027	>2027	Amount Funded
PDE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PE	$ -	$ -	$ 3,000,000	$ -	$ -	$ -	$ -	$ 3,000,000
ENV	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ROW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
LAR	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RRU	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
CST	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ -	$ -	$ 3,000,000	$ -	$ -	$ -	$ -	$ 3,000,000

Responsible Agency: RESPONSIBLE AGENCY NOT AVAILABLE County: LAKE Total Project Cost: $ 3,000,000

8

Project Description: SR 19 FROM CR 48 TO CR 561

FM# 2383191

Funding Source(s): State and Federal

LRTP Page: PG. 4-12

Work Description: ADD LANES & RECONSTRUCT

Phase	<2023	2023	2024	2025	2026	2027	>2027	Amount Funded
PDE	$ 1,161,015	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,161,015
PE	$ 4,141,718	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,141,718
ENV	$ 492,196	$ 200,000	$ -	$ -	$ -	$ -	$ -	$ 692,196
ROW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
LAR	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RRU	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
CST	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	$ 5,794,929	$ 200,000	$ -	$ -	$ -	$ -	$ -	$ 5,994,929

Responsible Agency: FDOT County: LAKE Total Project Cost: $ 5,994,929

Lake-Sumter MPO
Metropolitan Planning Organization

2022 List of Priority Projects

Lake~Sumter Metropolitan Planning Organization

Adopted June 22, 2022

Table 3 – Roadway Capacity (Non-SIS) Project Priorities

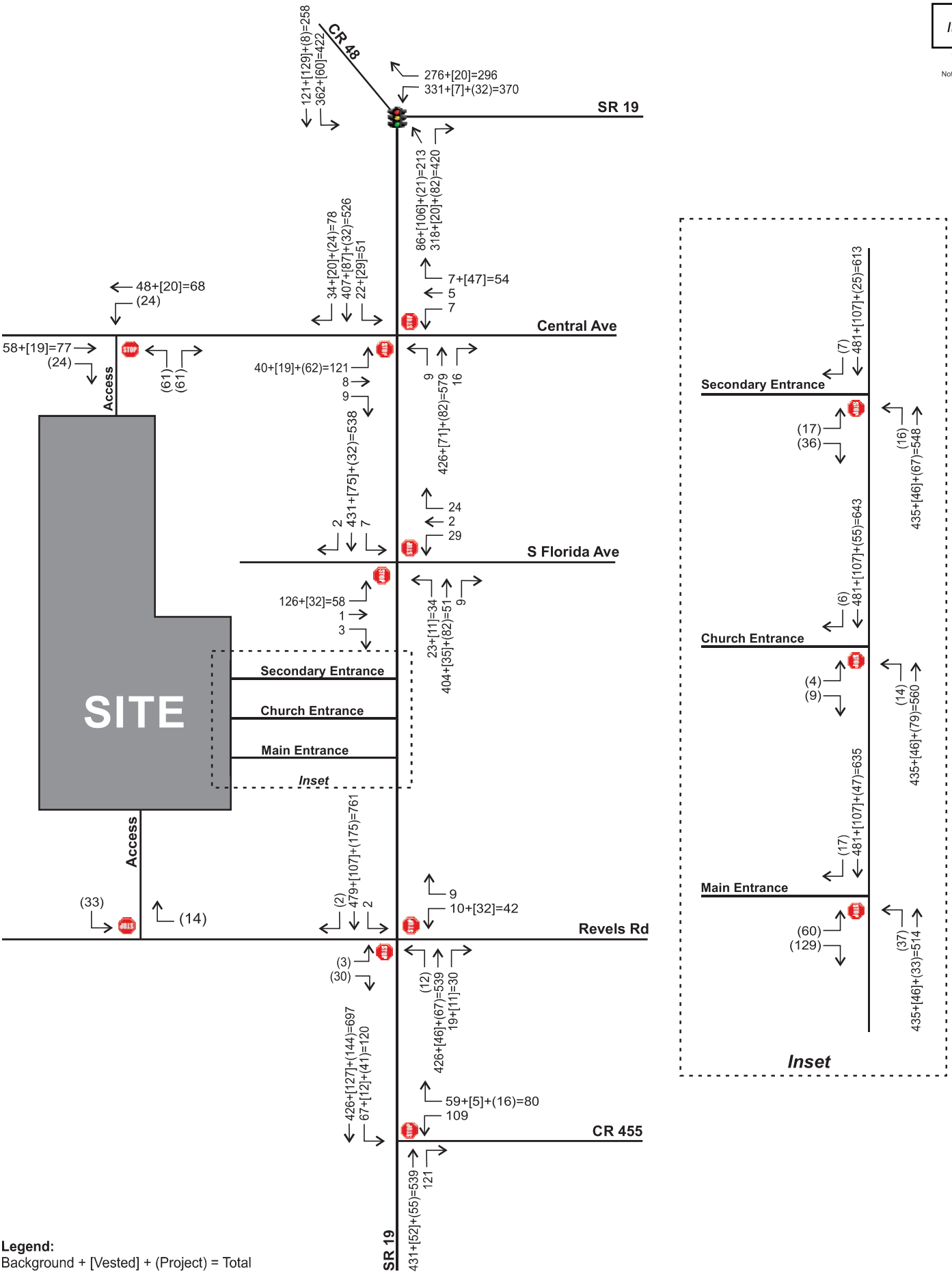
Capacity Rank	Sponsor/ Location	FM #	Project Name	From	To	Description	Performance Measure(s)	Proposed Phase	Proposed Phase FY	Proposed Phase Cost	Programmed Phase(s)	Programmed Phase FY	CMP Congested Corridors 2021 Analysis (for informational purposes)
1	FDOT/ Sumter County	430132-1	SR 35 (US 301)	SR 44	CR 470	Road Widening	System Performance	ROW	2026/27	$27,000,000	Design	2022/23 2025/26	**Extremely Congested (2021)**
2	FDOT/ Lake County	409870-1	SR 44 (CR44B)	US 441	SR44	Road Widening	System Performance; Safety	CST	2024/25	$23,701,500	ROW		**Extremely Congested (2021)**
3	Sumter County	447931-1	Marsh Bend Trail (CR 501)	Corbin Trail	Central Parkway	Roadway Improvements	System Performance	CST	2023/24	$1,275,400	CST	2022/23	**Operating at Acceptable Level of Service**
4	FDOT/ Lake County	238394-3	SR 500 (US 441)	Perkins Street	SR 44	Road Widening	System Performance	CST	2023/24	$13,794,537			**Congested (2026)**
5	FDOT/ Lake County	429356-1	SR 500 (US 441)	SR 44	N of SR 46	Road Widening	System Performance	CST	2023/24	$22,233,040	ROW	2021/22	**Not Congested**
6	Lake County/ Lady Lake	439665-1	Rolling Acres Road	West Lady Lake Ave.	Griffin Ave	Road Widening	System Performance	Design	2026/27	$2,000,000	PD&E	2025/26	**Extremely Congested (2026)**
7	Lake County	441710-1	Round Lake Road	Wolfbranch Rd	North of SR 44	New Roadway/ Alignment	System Performance	CST	2024/25	$30,000,000	Design		**Operating at Acceptable Level of Service**
8	Lake County	441779-1	CR 455 (Hartle Rd)	Lost Lake Rd.	Hartwood Marsh Rd.	Roadway Extension/ Widening	System Performance	CST	2024/25	$19,800,000	ROW	2022/23	**New Roadway, Not on CMP Network**
9	Lake County	-	CR 455 (Hartle Rd)	Hartwood Marsh Rd	CFX Lake-Orange Connector	Road Extension	System Performance	Design	2023/24	$3,000,000	PDE		**New Roadway, Not on CMP Network**

Capacity Rank	Sponsor/ Location	FM #	Project Name	From	To	Description	Performance Measure(s)	Proposed Phase	Proposed Phase FY	Proposed Phase Cost	Programmed Phase(s)	Programmed Phase FY	CMP Congested Corridors 2021 Analysis (for informational purposes)
10	Lake County	-	Citrus Grove Phase II	West of Scrub Jay Lane	Grassy Lake Rd	New Alignment/Widening	System Performance	CST	2024/25	$10,000,000	ROW		**New Roadway, Not on CMP Network**
11	Lake County	-	Citrus Grove Phase V	Turnpike	Blackstill Lake Dr	New Roadway/Alignment	System Performance	CST	2024/25	$5,000,000	Design		**New Roadway, Not on CMP Network**
12	Lake County	441393-1	CR 437 Realignment	Oak Tree Dr	SR 46	New Alignment/Widening	System Performance	CST	2024/25	$4,000,000	Design		**New Roadway, Not on CMP Network**
13	Lake County	-	Hartwood Marsh	Regency Hills Dr	Innovation Lane	Road Widening	System Performance	Design	2023/24	$750,000	PDE		**Approaching Congestion**
14	Lake County	-	CR 455 Paved Shoulder	CR 561	CR 561A	Paved Shoulder	System Performance	Design	2023/24	$700,000			**Operating at Acceptable Level of Service**
15	FDOT/Lake County	-	CR 470/CR 48	Meggison Road at The Villages	US 27	Road Widening	System Performance	Design	2023/24	$4,000,000			**Congested (2026)**
16	Lake County/ Mount Dora	-	Vista Ridge Drive/Wolf Branch Innovation Boulevard	Niles Rd	Round Lake Road	New Roadway	System Performance	Design	2023/24	$1,000,000	Study		**New Roadway, Not on CMP Network**
17	Lake County	-	CR 561A	CR 561	CR 455	Realignment	System Performance; Safety	PDE	2023/24	$750,000	Study		**Operating at Acceptable Level of Service**
18	FDOT/ Lake County	-	SR 44	Orange Ave	CR 46A	Road Widening	System Performance	PDE	2023/24	$TBD			**Congested (2021)**
19	FDOT	-	SR 19	SR 50	CR 455	Road Widening	System Performance	PDE	2023/24	$TBD			**Congested (2021)**

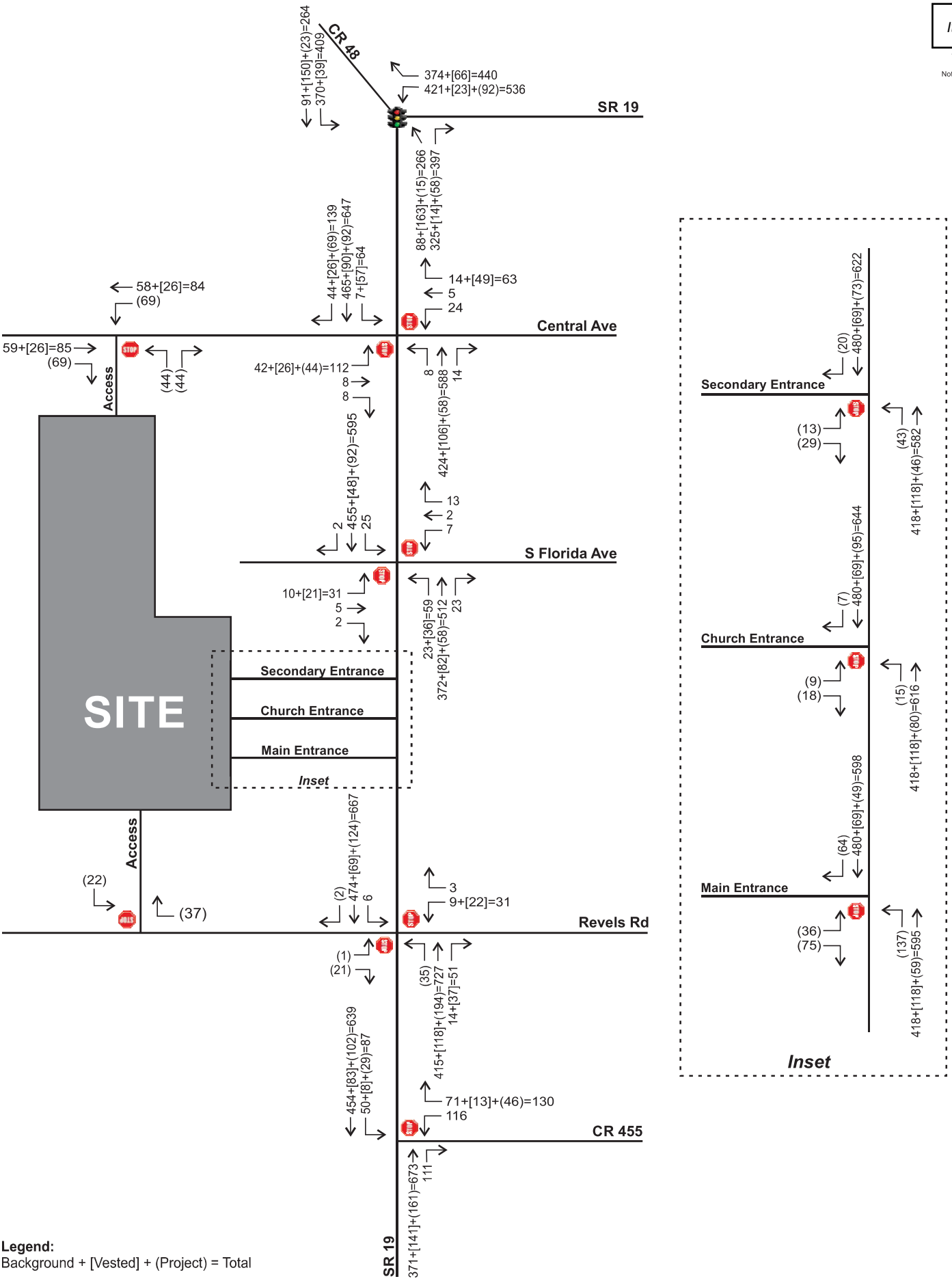
Capacity Rank	Sponsor/ Location	FM #	Project Name	From	To	Description	Performance Measure(s)	Proposed Phase	Proposed Phase FY	Proposed Phase Cost	Programmed Phase(s)	Programmed Phase FY	CMP Congested Corridors 2021 Analysis (for informational purposes)
20	Lake County	-	Woodlea Road	SR 19	End	Road Widening	System Performance	Design Update/ ROW	2023/24	$3,000,000			**Operating at Acceptable Level of Service**
21	FDOT/ Lake County	238319-1	SR 19	Howey Bridge	CR 561	Road Widening	System Performance	CST	2023/24	$35,000,000			**Extremely Congested (2021)**
22	Lake County	-	Hancock Road	Hartwood Marsh Rd	Wellness Way	New Road	System Performance	CST	2025/26	$20,000,000			**New Roadway, Not on CMP Network**
23	Lake County	-	SR 46A	SR 44	SR 46	Road Widening	System Performance	CST	2023/24	$TBD	Design		**Congested (2021)**

Top 20 Project

Appendix I
Vested Trips Data



Legend:
Background + [Vested] + (Project) = Total



Legend:
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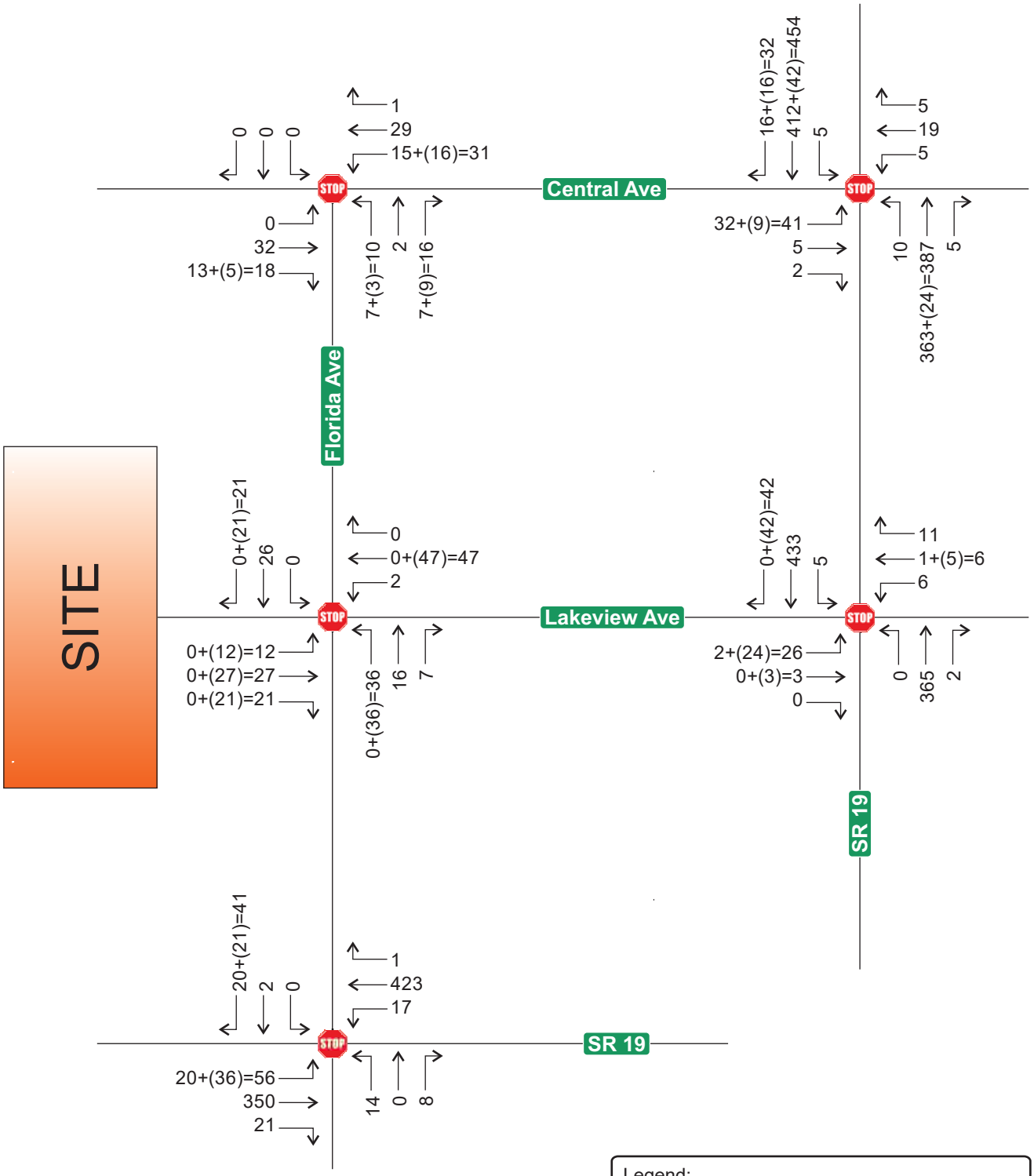
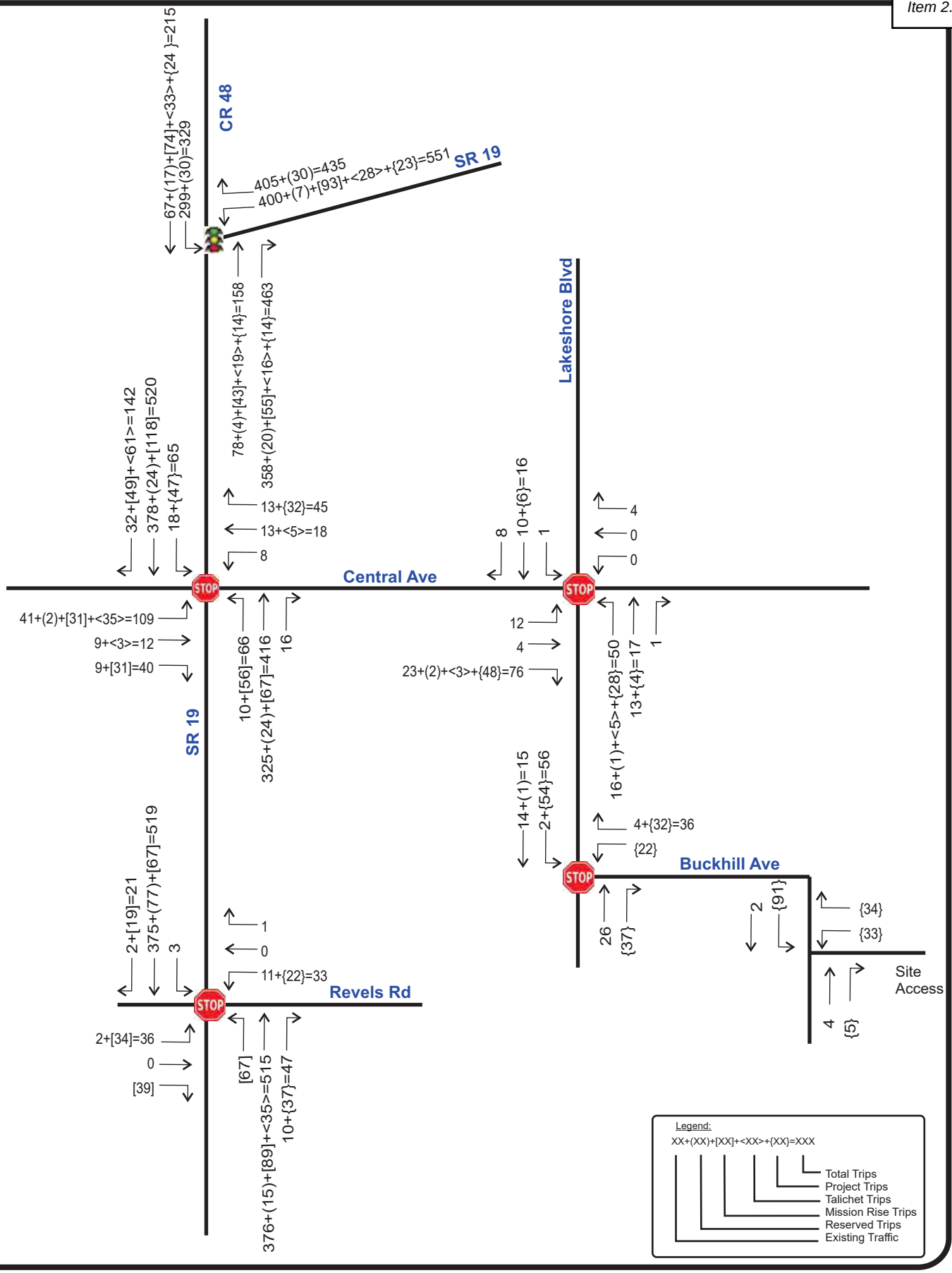


*Schematic drawing. Not to scale.
** Any +/- 1 project trip discrepancy is due to rounding

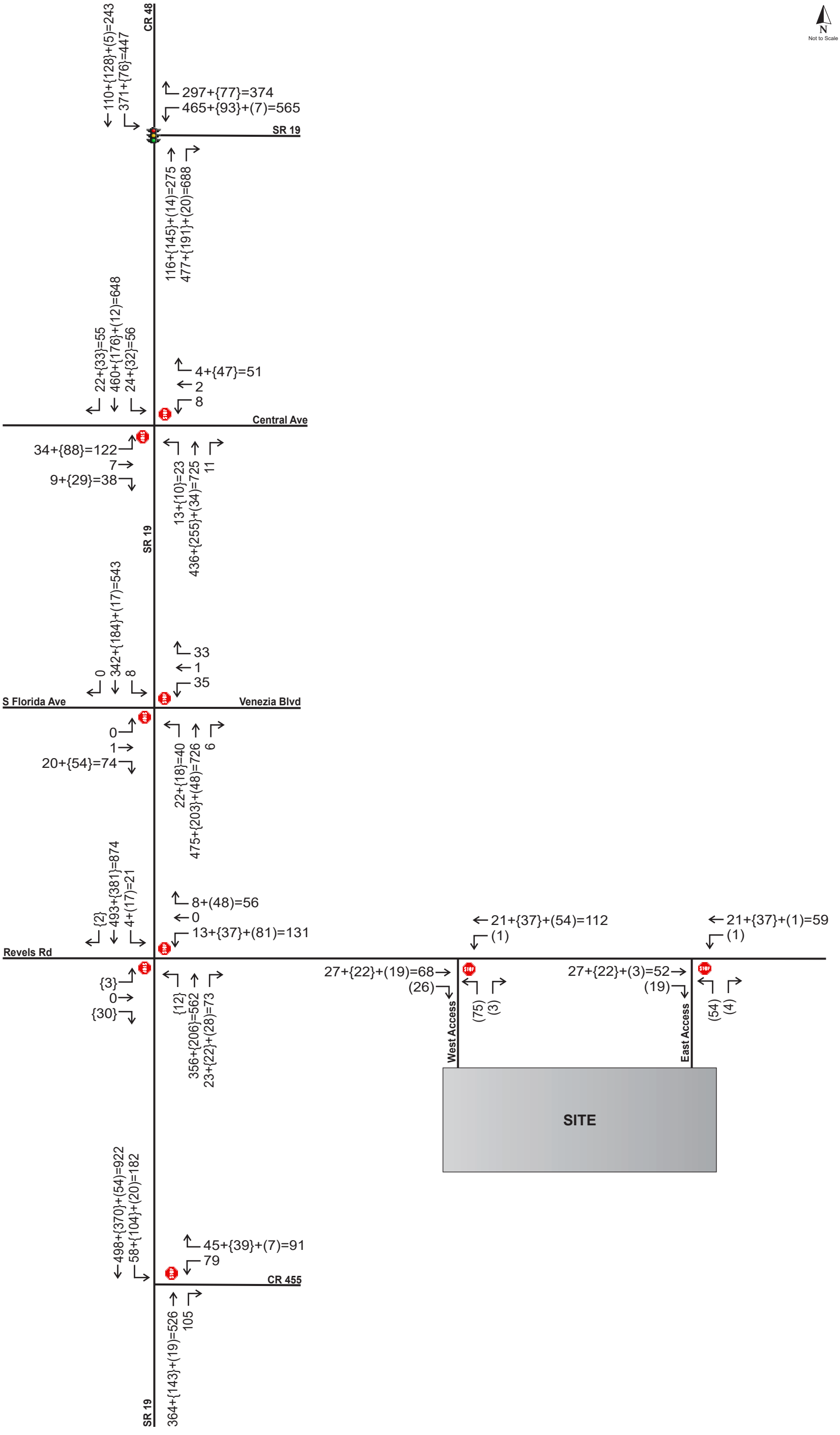
Talichet PUD
Project № 5045
Figure 5

Projected P.M. Peak Hour Traffic Volumes

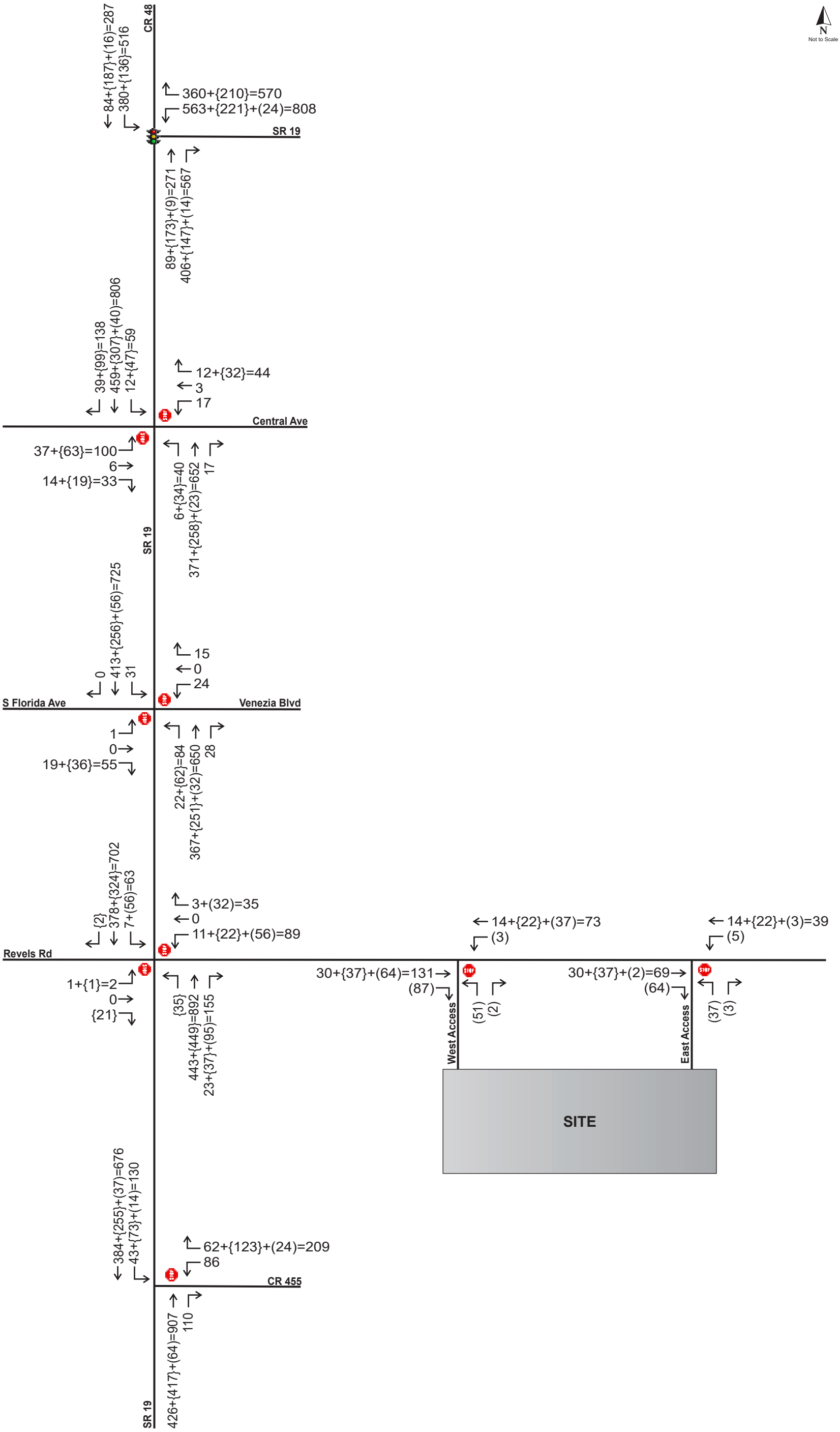


Whispering Hills
Project № 5199
Figure 5

Projected P.M. Peak Hour Intersection Volumes



Legend:
Background + {Committed} + (Project) = Total



Legend:
Background + {Committed} + (Project) = Total

Table 1
Trip Generation Calculations – Phase 1 (2026)

ITE Code	Land Use	Size	Daily		AM Peak Hour				PM Peak Hour			
			Rate	Trips	Rate	Total	Enter	Exit	Rate	Total	Enter	Exit
210	Single-Family Detached	184 DU	9.61	1,768	0.71	131	34	97	0.96	177	112	65
215	Single-Family Attached	146 DU	7.27	1,061	0.48	70	22	48	0.57	83	47	36
Total Trip Generation (Phase 1)				2,829		201	56	145		260	159	101

Source: ITE Trip Generation Manual, 11th Edition
ITE equations were used as R^2 were greater than 0.75 and with more than 20 studies

Phase 1 of the proposed development is projected to generate 2,829 new daily trips of which 201 trips occur during the AM peak hour, and 260 trips occur during the PM peak hour.

Table 2
Trip Generation Calculations – Phase 1 and Phase 2 (2030)

ITE Code	Land Use	Size	Daily		AM Peak Hour				PM Peak Hour			
			Rate	Trips	Rate	Total	Enter	Exit	Rate	Total	Enter	Exit
210	Single-Family Detached	358 DU	9.11	3,261	0.66	236	61	175	0.92	329	207	122
215	Single-Family Attached	292 DU	7.45	2,175	0.50	146	45	101	0.59	172	98	74
Total Trip Generation Buildout (Phase 1 + Phase 2)				5,436		382	106	276		501	305	196

Source: ITE Trip Generation Manual, 11th Edition
ITE equations were used as R^2 were greater than 0.75 and with more than 20 studies

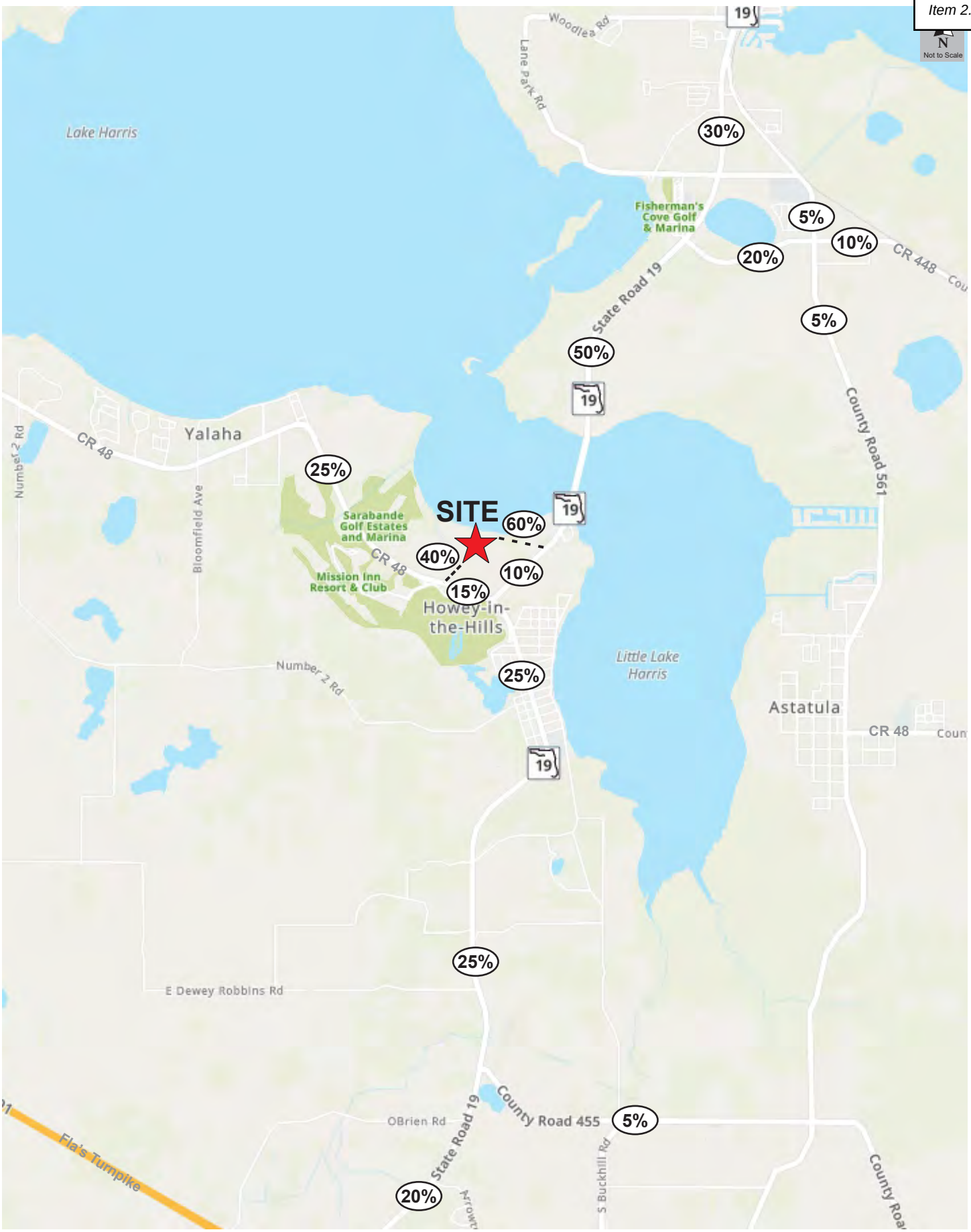
The proposed development at project buildout is projected to generate 5,436 new daily trips of which 382 trips occur during the AM peak hour, and 501 trips occur during the PM peak hour.

Trip Distribution

A trip distribution pattern was estimated using the *Central Florida Regional Planning Model, version 7 (CFRPM V7)*. The model distribution was adjusted based on local knowledge, professional engineering judgement, and the location of the development with respect to the study area attractions and activity centers to reflect prevailing travel patterns in the vicinity of the site and the surrounding transportation network. The raw model plots are provided in the **Attachments**, and the adjusted trip distribution is shown in **Figure 2.**

Study Area

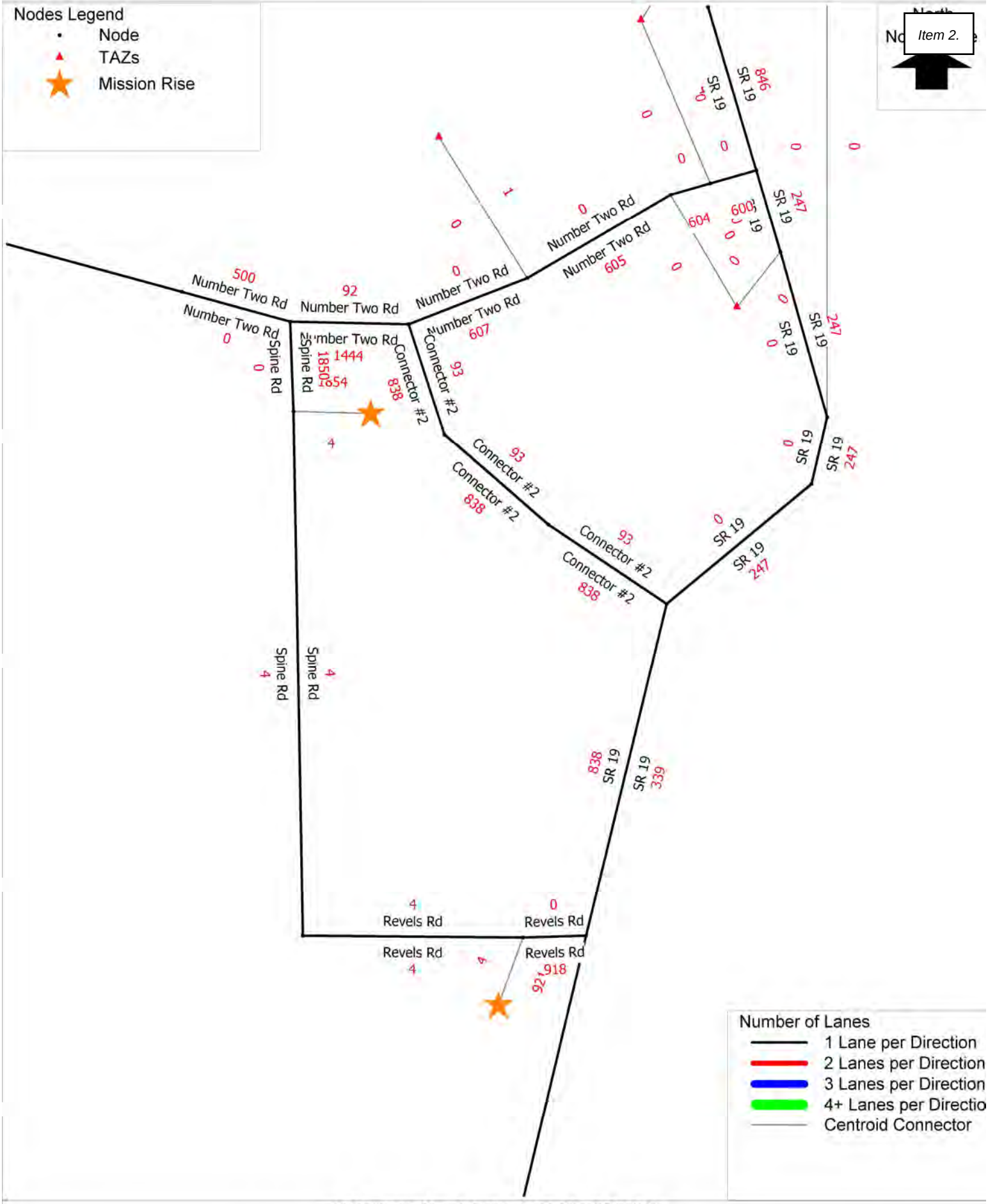
In accordance with the LSMPO requirements for a Tier 2 TIA methodology and the Town of Howey-In-The-Hills Land Development Code, the study area will encompass roadway segments and intersections within a 1-mile radius at minimum. The study will also include segments and intersections within a 4.55-mile radius, (½ the trip length for residential land use), where the project's peak hour trips consume five percent (5%) or more of a roadway's two-way peak hour generalized service volume, based on the adopted LOS and committed number of lanes. The total trip length was obtained from the *Lake County Transportation Impact Fee Schedule Table 9-1* (dated 12/21/2001), included in the **Attachments**. The roadway segments identified by the significance test will be analyzed in the Tier 2 TIA. Excerpts from the *2020 Lake County Congestion Management Plan (CMP) Database* are included in the **Attachments**. The study area significance analysis is summarized in **Table 3**.



Project Trip Distribution
Four Season Lake Harris
21237

Figure

Appendix J
AADT Model Plot



23017 Mission Rise - Lake County, FL TAZ 7676, 7677
Future AADT
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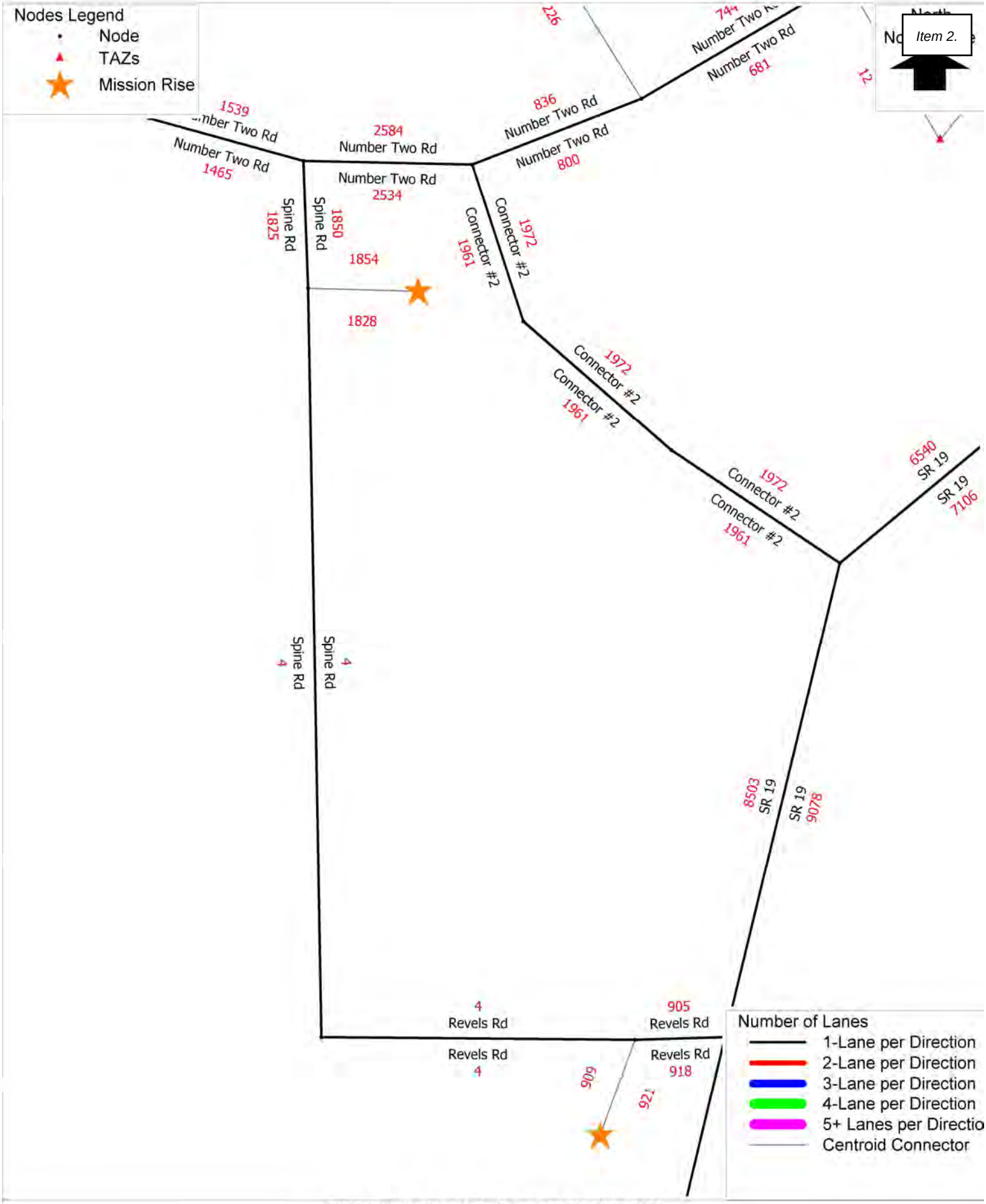
cube (Licensed to Traffic & Mobility Consultants)



23017.1 Mission Rise - Lake County, FL TAZ 7676, 7677
Future AADT
C:\FSUTMS\D5\CFRPM7

cube (Licensed to Traffic & Mobility Consultants)

Appendix K
HCM Worksheets - Projected Conditions

HCM 6th Signalized Intersection Summary
1: SR 19 & CR 48

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	522	334	455	740	413	180
Future Volume (veh/h)	522	334	455	740	413	180
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1752	1589	1767	1811	1737	1811
Adj Flow Rate, veh/h	538	205	469	0	426	186
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	10	21	9	6	11	6
Cap, veh/h	386	312	695		502	1139
Arrive On Green	0.23	0.23	0.39	0.00	0.17	0.63
Sat Flow, veh/h	1668	1346	1767	1535	1654	1811
Grp Volume(v), veh/h	538	205	469	0	426	186
Grp Sat Flow(s),veh/h/ln	1668	1346	1767	1535	1654	1811
Q Serve(g_s), s	22.7	13.5	21.5	0.0	14.2	4.2
Cycle Q Clear(g_c), s	22.7	13.5	21.5	0.0	14.2	4.2
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	386	312	695		502	1139
V/C Ratio(X)	1.39	0.66	0.67		0.85	0.16
Avail Cap(c_a), veh/h	386	312	695		535	1139
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	37.7	34.2	24.5	0.0	16.9	7.5
Incr Delay (d2), s/veh	192.0	5.0	5.2	0.0	11.6	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	44.9	8.2	14.6	0.0	10.5	2.8
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	229.7	39.1	29.7	0.0	28.5	7.8
LnGrp LOS	F	D	C		C	A
Approach Vol, veh/h	743		469	A		612
Approach Delay, s/veh	177.1		29.7			22.2
Approach LOS	F		C			C

Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	23.0	45.0		30.0		68.0
Change Period (Y+Rc), s	6.5	6.4		7.3		6.4
Max Green Setting (Gmax), s	18.5	38.6		22.7		38.6
Max Q Clear Time (g_c+I1), s	16.2	23.5		24.7		6.2
Green Ext Time (p_c), s	0.4	2.5		0.0		1.0

Intersection Summary						
HCM 6th Ctrl Delay			87.2			
HCM 6th LOS			F			

Notes

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: SR 19 & CR 48

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	751	483	164	588	451	194
Future Volume (veh/h)	751	483	164	588	451	194
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1752	1589	1767	1811	1737	1811
Adj Flow Rate, veh/h	774	359	169	0	465	200
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	10	21	9	6	11	6
Cap, veh/h	380	307	685		737	1149
Arrive On Green	0.23	0.23	0.39	0.00	0.18	0.63
Sat Flow, veh/h	1668	1346	1767	1535	1654	1811
Grp Volume(v), veh/h	774	359	169	0	465	200
Grp Sat Flow(s),veh/h/ln	1668	1346	1767	1535	1654	1811
Q Serve(g_s), s	22.7	22.7	6.5	0.0	16.0	4.5
Cycle Q Clear(g_c), s	22.7	22.7	6.5	0.0	16.0	4.5
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	380	307	685		737	1149
V/C Ratio(X)	2.04	1.17	0.25		0.63	0.17
Avail Cap(c_a), veh/h	380	307	685		744	1149
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	38.4	38.4	20.7	0.0	12.3	7.5
Incr Delay (d2), s/veh	475.1	105.6	0.9	0.0	1.7	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	92.9	24.6	4.9	0.0	9.5	3.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	513.5	144.1	21.5	0.0	14.0	7.8
LnGrp LOS	F	F	C		B	A
Approach Vol, veh/h	1133		169	A		665
Approach Delay, s/veh	396.4		21.5			12.1
Approach LOS	F		C			B

Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	24.6	45.0		30.0		69.6
Change Period (Y+Rc), s	6.5	6.4		7.3		6.4
Max Green Setting (Gmax), s	18.5	38.6		22.7		38.6
Max Q Clear Time (g_c+I1), s	18.0	8.5		24.7		6.5
Green Ext Time (p_c), s	0.1	0.9		0.0		1.1

Intersection Summary			
HCM 6th Ctrl Delay		234.3	
HCM 6th LOS		F	

Notes

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	70.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	144	4	12	13	1	65	14	672	29	37	663	49
Future Vol, veh/h	144	4	12	13	1	65	14	672	29	37	663	49
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	12	33	2	2	2	2	38	10	2	42	2	11
Mvmt Flow	148	4	12	13	1	67	14	693	30	38	684	51

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1556	1537	710	1530	1547	708	735	0	0	723	0	0
Stage 1	786	786	-	736	736	-	-	-	-	-	-	-
Stage 2	770	751	-	794	811	-	-	-	-	-	-	-
Critical Hdwy	7.22	6.83	6.22	7.12	6.52	6.22	4.48	-	-	4.52	-	-
Critical Hdwy Stg 1	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.608	4.297	3.318	3.518	4.018	3.318	2.542	-	-	2.578	-	-
Pot Cap-1 Maneuver	~ 87	99	434	96	114	435	727	-	-	722	-	-
Stage 1	371	362	-	411	425	-	-	-	-	-	-	-
Stage 2	379	376	-	381	393	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 66	87	434	82	100	435	727	-	-	722	-	-
Mov Cap-2 Maneuver	~ 66	87	-	82	100	-	-	-	-	-	-	-
Stage 1	359	329	-	398	411	-	-	-	-	-	-	-
Stage 2	310	364	-	333	358	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	$ 729.8	26.5	0.2	0.5
HCM LOS	F	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	727	-	-	71	248	722	-	-
HCM Lane V/C Ratio	0.02	-	-	2.323	0.328	0.053	-	-
HCM Control Delay (s)	10.1	0	-	$ 729.8	26.5	10.3	0	-
HCM Lane LOS	B	A	-	F	D	B	A	-
HCM 95th %tile Q(veh)	0.1	-	-	15.7	1.4	0.2	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

HCM 6th TWSC
2: SR 19 & W Central Ave

Intersection	
Int Delay, s/veh	83.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	108	14	16	20	4	49	19	642	25	66	784	162
Future Vol, veh/h	108	14	16	20	4	49	19	642	25	66	784	162
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	12	33	2	2	2	2	38	10	2	42	2	11
Mvmt Flow	111	14	16	21	4	51	20	662	26	68	808	167

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1771	1756	892	1758	1826	675	975	0	0	688	0	0
Stage 1	1028	1028	-	715	715	-	-	-	-	-	-	-
Stage 2	743	728	-	1043	1111	-	-	-	-	-	-	-
Critical Hdwy	7.22	6.83	6.22	7.12	6.52	6.22	4.48	-	-	4.52	-	-
Critical Hdwy Stg 1	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.608	4.297	3.318	3.518	4.018	3.318	2.542	-	-	2.578	-	-
Pot Cap-1 Maneuver	~ 61	72	341	66	77	454	582	-	-	746	-	-
Stage 1	271	275	-	422	434	-	-	-	-	-	-	-
Stage 2	392	386	-	277	285	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 41	54	341	41	58	454	582	-	-	746	-	-
Mov Cap-2 Maneuver	~ 41	54	-	41	58	-	-	-	-	-	-	-
Stage 1	256	218	-	398	410	-	-	-	-	-	-	-
Stage 2	326	364	-	195	226	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, $	1096.5	89.7	0.3	0.7
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	582	-	-	47	110	746	-	-
HCM Lane V/C Ratio	0.034	-	-	3.027	0.684	0.091	-	-
HCM Control Delay (s)	11.4	0	-	$ 1096.5	89.7	10.3	0	-
HCM Lane LOS	B	A	-	F	F	B	A	-
HCM 95th %tile Q(veh)	0.1	-	-	15.4	3.6	0.3	-	-

Notes

~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection	
Int Delay, s/veh	2.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	1	68	17	10	31	1	10	0	20	0	0	0
Future Vol, veh/h	1	68	17	10	31	1	10	0	20	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	80	80	80	80	80	80	80	80	80	80	80	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	85	21	13	39	1	13	0	25	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	40	0	0	106	0	0	164	164	96	176	174	40
Stage 1	-	-	-	-	-	-	98	98	-	66	66	-
Stage 2	-	-	-	-	-	-	66	66	-	110	108	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1570	-	-	1485	-	-	801	729	960	786	719	1031
Stage 1	-	-	-	-	-	-	908	814	-	945	840	-
Stage 2	-	-	-	-	-	-	945	840	-	895	806	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1570	-	-	1485	-	-	795	722	960	760	712	1031
Mov Cap-2 Maneuver	-	-	-	-	-	-	795	722	-	760	712	-
Stage 1	-	-	-	-	-	-	907	813	-	944	832	-
Stage 2	-	-	-	-	-	-	936	832	-	871	805	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	1.8	9.2	0
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	898	1570	-	-	1485	-	-	-
HCM Lane V/C Ratio	0.042	0.001	-	-	0.008	-	-	-
HCM Control Delay (s)	9.2	7.3	0	-	7.4	0	-	0
HCM Lane LOS	A	A	A	-	A	A	-	A
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	-

Intersection	
Int Delay, s/veh	3.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	52	11	36	59	6	9	1	33	1	0	0
Future Vol, veh/h	0	52	11	36	59	6	9	1	33	1	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	80	80	80	80	80	80	80	80	80	80	80	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	65	14	45	74	8	11	1	41	1	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	82	0	0	79	0	0	240	244	72	261	247	78
Stage 1	-	-	-	-	-	-	72	72	-	168	168	-
Stage 2	-	-	-	-	-	-	168	172	-	93	79	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1515	-	-	1519	-	-	714	658	990	692	655	983
Stage 1	-	-	-	-	-	-	938	835	-	834	759	-
Stage 2	-	-	-	-	-	-	834	756	-	914	829	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1515	-	-	1519	-	-	697	638	990	646	635	983
Mov Cap-2 Maneuver	-	-	-	-	-	-	697	638	-	646	635	-
Stage 1	-	-	-	-	-	-	938	835	-	834	735	-
Stage 2	-	-	-	-	-	-	808	733	-	875	829	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	2.7	9.3	10.6
HCM LOS			A	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	899	1515	-	-	1519	-	-	646
HCM Lane V/C Ratio	0.06	-	-	-	0.03	-	-	0.002
HCM Control Delay (s)	9.3	0	-	-	7.4	0	-	10.6
HCM Lane LOS	A	A	-	-	A	A	-	B
HCM 95th %tile Q(veh)	0.2	0	-	-	0.1	-	-	0

HCM 6th TWSC
4: SR 19 & Revels Rd/Revels Rd

Intersection	
Int Delay, s/veh	128

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	41	0	120	124	0	53	44	490	66	21	790	14
Future Vol, veh/h	41	0	120	124	0	53	44	490	66	21	790	14
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	430	-	-	-	-	405
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	8	12	2	10	2
Mvmt Flow	46	0	133	138	0	59	49	544	73	23	878	16

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1632	1639	878	1678	1619	581	894	0	0	617	0	0
Stage 1	924	924	-	679	679	-	-	-	-	-	-	-
Stage 2	708	715	-	999	940	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	81	100	347	~ 75	103	514	759	-	-	963	-	-
Stage 1	323	348	-	441	451	-	-	-	-	-	-	-
Stage 2	426	434	-	293	342	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	66	89	347	~ 42	92	514	759	-	-	963	-	-
Mov Cap-2 Maneuver	66	89	-	~ 42	92	-	-	-	-	-	-	-
Stage 1	302	331	-	412	422	-	-	-	-	-	-	-
Stage 2	353	406	-	172	326	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	51.2	$ 1224.7	0.7	0.2
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	759	-	-	66	347	58	963	-	-
HCM Lane V/C Ratio	0.064	-	-	0.69	0.384	3.391	0.024	-	-
HCM Control Delay (s)	10.1	-	-	137.5	21.3	$ 1224.7	8.8	0	-
HCM Lane LOS	B	-	-	F	C	F	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	3	1.8	20.9	0.1	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

HCM 6th TWSC
4: SR 19 & Revels Rd/Revels Rd

Intersection	
Int Delay, s/veh	127.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	30	1	83	88	0	36	135	744	146	64	602	45
Future Vol, veh/h	30	1	83	88	0	36	135	744	146	64	602	45
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	430	-	-	-	-	405
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	8	12	2	10	2
Mvmt Flow	33	1	92	98	0	40	150	827	162	71	669	50

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2039	2100	669	2091	2069	908	719	0	0	989	0	0
Stage 1	811	811	-	1208	1208	-	-	-	-	-	-	-
Stage 2	1228	1289	-	883	861	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	42	52	458	~ 38	54	334	882	-	-	699	-	-
Stage 1	373	393	-	224	256	-	-	-	-	-	-	-
Stage 2	218	234	-	340	372	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 28	36	458	~ 22	37	334	882	-	-	699	-	-
Mov Cap-2 Maneuver	~ 28	36	-	~ 22	37	-	-	-	-	-	-	-
Stage 1	310	326	-	186	212	-	-	-	-	-	-	-
Stage 2	159	194	-	224	308	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	135.1	$ 1882.8	1.3	1
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	882	-	-	28	458	30	699	-	-
HCM Lane V/C Ratio	0.17	-	-	1.23	0.201	4.593	0.102	-	-
HCM Control Delay (s)	9.9	-	-	$ 457.1	14.8	$ 1882.8	10.7	0	-
HCM Lane LOS	A	-	-	F	B	F	B	A	-
HCM 95th %tile Q(veh)	0.6	-	-	4	0.7	16.6	0.3	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	48.7

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	78	88	596	133	183	927
Future Vol, veh/h	78	88	596	133	183	927
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	590	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	38	15	8	22	9	5
Mvmt Flow	81	92	621	139	191	966

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1969	621	0	0	760	0
Stage 1	621	-	-	-	-	-
Stage 2	1348	-	-	-	-	-
Critical Hdwy	6.78	6.35	-	-	4.19	-
Critical Hdwy Stg 1	5.78	-	-	-	-	-
Critical Hdwy Stg 2	5.78	-	-	-	-	-
Follow-up Hdwy	3.842	3.435	-	-	2.281	-
Pot Cap-1 Maneuver	~ 55	465	-	-	821	-
Stage 1	473	-	-	-	-	-
Stage 2	203	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 27	465	-	-	821	-
Mov Cap-2 Maneuver	~ 27	-	-	-	-	-
Stage 1	473	-	-	-	-	-
Stage 2	101	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	$ 576.7	0	1.8
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	27	465	821	-
HCM Lane V/C Ratio	-	-	3.009	0.197	0.232	-
HCM Control Delay (s)	-	-	$ 1210.8	14.6	10.7	0
HCM Lane LOS	-	-	F	B	B	A
HCM 95th %tile Q(veh)	-	-	9.9	0.7	0.9	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	68.9

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	100	179	956	110	130	756
Future Vol, veh/h	100	179	956	110	130	756
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	590	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	38	15	8	22	9	5
Mvmt Flow	104	186	996	115	135	788

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2054	996	0	0	1111	0
Stage 1	996	-	-	-	-	-
Stage 2	1058	-	-	-	-	-
Critical Hdwy	6.78	6.35	-	-	4.19	-
Critical Hdwy Stg 1	5.78	-	-	-	-	-
Critical Hdwy Stg 2	5.78	-	-	-	-	-
Follow-up Hdwy	3.842	3.435	-	-	2.281	-
Pot Cap-1 Maneuver	~ 48	280	-	-	603	-
Stage 1	307	-	-	-	-	-
Stage 2	286	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 29	280	-	-	603	-
Mov Cap-2 Maneuver	~ 29	-	-	-	-	-
Stage 1	307	-	-	-	-	-
Stage 2	172	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	$ 544.7	0	1.9
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	29	280	603	-
HCM Lane V/C Ratio	-	-	3.592	0.666	0.225	-
HCM Control Delay (s)	-	-	$ 1447.7	40.2	12.7	0
HCM Lane LOS	-	-	F	E	B	A
HCM 95th %tile Q(veh)	-	-	12.5	4.4	0.9	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	3.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	33	71	0	44	42
Future Vol, veh/h	0	33	71	0	44	42
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	36	77	0	48	46

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	219	77	0	0	77	0
Stage 1	77	-	-	-	-	-
Stage 2	142	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	769	984	-	-	1522	-
Stage 1	946	-	-	-	-	-
Stage 2	885	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	744	984	-	-	1522	-
Mov Cap-2 Maneuver	744	-	-	-	-	-
Stage 1	946	-	-	-	-	-
Stage 2	857	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	8.8	0	3.8
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	984	1522	-
HCM Lane V/C Ratio	-	-	0.036	0.031	-
HCM Control Delay (s)	-	-	8.8	7.4	0
HCM Lane LOS	-	-	A	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0.1	-

Intersection	
Int Delay, s/veh	3.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	48	60	0	42	80
Future Vol, veh/h	0	48	60	0	42	80
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	52	65	0	46	87

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	244	65	0	0	65	0
Stage 1	65	-	-	-	-	-
Stage 2	179	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	744	999	-	-	1537	-
Stage 1	958	-	-	-	-	-
Stage 2	852	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	721	999	-	-	1537	-
Mov Cap-2 Maneuver	721	-	-	-	-	-
Stage 1	958	-	-	-	-	-
Stage 2	826	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	8.8	0	2.6
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	999	1537	-
HCM Lane V/C Ratio	-	-	0.052	0.03	-
HCM Control Delay (s)	-	-	8.8	7.4	0
HCM Lane LOS	-	-	A	A	A
HCM 95th %tile Q(veh)	-	-	0.2	0.1	-

HCM 6th TWSC
7: Spine Road & Number 2 Road

Intersection	
Int Delay, s/veh	5.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	62	26	46	33	52	78
Future Vol, veh/h	62	26	46	33	52	78
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	420	655	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	67	28	50	36	57	85

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	95	0	203	67
Stage 1	-	-	-	-	67	-
Stage 2	-	-	-	-	136	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1499	-	786	997
Stage 1	-	-	-	-	956	-
Stage 2	-	-	-	-	890	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1499	-	760	997
Mov Cap-2 Maneuver	-	-	-	-	760	-
Stage 1	-	-	-	-	956	-
Stage 2	-	-	-	-	861	-

Approach	EB	WB	NB
HCM Control Delay, s	0	4.4	9.8
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	886	-	-	1499	-
HCM Lane V/C Ratio	0.159	-	-	0.033	-
HCM Control Delay (s)	9.8	-	-	7.5	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	0.6	-	-	0.1	-

HCM 6th TWSC
7: Spine Road & Number 2 Road

Intersection	
Int Delay, s/veh	5.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	46	59	87	39	41	64
Future Vol, veh/h	46	59	87	39	41	64
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	420	655	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	50	64	95	42	45	70

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	114	0	282	50
Stage 1	-	-	-	-	50	-
Stage 2	-	-	-	-	232	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1475	-	708	1018
Stage 1	-	-	-	-	972	-
Stage 2	-	-	-	-	807	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1475	-	663	1018
Mov Cap-2 Maneuver	-	-	-	-	663	-
Stage 1	-	-	-	-	972	-
Stage 2	-	-	-	-	755	-

Approach	EB	WB	NB
HCM Control Delay, s	0	5.3	9.9
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	842	-	-	1475	-
HCM Lane V/C Ratio	0.136	-	-	0.064	-
HCM Control Delay (s)	9.9	-	-	7.6	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	0.5	-	-	0.2	-

HCM 6th TWSC
8: Revels Road & Spine Road

Intersection	
Int Delay, s/veh	7.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	10	108	6	5	142	9
Future Vol, veh/h	10	108	6	5	142	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	11	117	7	5	154	10

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	328	10	0	0	12	0
Stage 1	10	-	-	-	-	-
Stage 2	318	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	666	1071	-	-	1607	-
Stage 1	1013	-	-	-	-	-
Stage 2	738	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	602	1071	-	-	1607	-
Mov Cap-2 Maneuver	602	-	-	-	-	-
Stage 1	1013	-	-	-	-	-
Stage 2	667	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.1	0	7
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	1005	1607	-
HCM Lane V/C Ratio	-	-	0.128	0.096	-
HCM Control Delay (s)	-	-	9.1	7.5	0
HCM Lane LOS	-	-	A	A	A
HCM 95th %tile Q(veh)	-	-	0.4	0.3	-

Intersection	
Int Delay, s/veh	7.8

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	10	163	9	12	134	5
Future Vol, veh/h	10	163	9	12	134	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	11	177	10	13	146	5

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	314	17	0	0	23	0
Stage 1	17	-	-	-	-	-
Stage 2	297	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	679	1062	-	-	1592	-
Stage 1	1006	-	-	-	-	-
Stage 2	754	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	617	1062	-	-	1592	-
Mov Cap-2 Maneuver	617	-	-	-	-	-
Stage 1	1006	-	-	-	-	-
Stage 2	685	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.3	0	7.2
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	1019	1592	-
HCM Lane V/C Ratio	-	-	0.185	0.091	-
HCM Control Delay (s)	-	-	9.3	7.5	0
HCM Lane LOS	-	-	A	A	A
HCM 95th %tile Q(veh)	-	-	0.7	0.3	-

HCM 6th TWSC
9: Orange Blossom Road & Revels Road

Intersection	
Int Delay, s/veh	7.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	7	0	0	4	12	7
Future Vol, veh/h	7	0	0	4	12	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	0	0	4	13	8

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	4	0	-	0	18	2
Stage 1	-	-	-	-	2	-
Stage 2	-	-	-	-	16	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1618	-	-	-	1000	1082
Stage 1	-	-	-	-	1021	-
Stage 2	-	-	-	-	1007	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1618	-	-	-	995	1082
Mov Cap-2 Maneuver	-	-	-	-	995	-
Stage 1	-	-	-	-	1016	-
Stage 2	-	-	-	-	1007	-

Approach	EB	WB	SB
HCM Control Delay, s	7.2	0	8.6
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1618	-	-	-	1025
HCM Lane V/C Ratio	0.005	-	-	-	0.02
HCM Control Delay (s)	7.2	0	-	-	8.6
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1

HCM 6th TWSC
9: Orange Blossom Road & Revels Road

Intersection	
Int Delay, s/veh	5.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	7	0	0	13	8	7
Future Vol, veh/h	7	0	0	13	8	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	0	0	14	9	8

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	14	0	-	0	23	7
Stage 1	-	-	-	-	7	-
Stage 2	-	-	-	-	16	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1604	-	-	-	993	1075
Stage 1	-	-	-	-	1016	-
Stage 2	-	-	-	-	1007	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1604	-	-	-	988	1075
Mov Cap-2 Maneuver	-	-	-	-	988	-
Stage 1	-	-	-	-	1011	-
Stage 2	-	-	-	-	1007	-

Approach	EB	WB	SB
HCM Control Delay, s	7.3	0	8.6
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1604	-	-	-	1027
HCM Lane V/C Ratio	0.005	-	-	-	0.016
HCM Control Delay (s)	7.3	0	-	-	8.6
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0

Appendix L
Intersection Volume Projections

Project No. 23017 Mission Rise

Intersection Volumes

Counts on 7/19/2023

Period	Tgen	Enter	Exit		SF	AGR	Years	Legend
AM Peak		81	241		1.06	2.00%	10	Backg'd + {Vested} + (Project) = T

Intersection= SR 19 & CR 48 — **1**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	0	1.06	0	1.20		0						0			0	0	
EB	T	0	1.06	0	1.20		0						0			0	0	
	R	0	1.06	0	1.20		0						0			0	0	
	L	326	1.06	346	1.20		415	32	14		36	7	89	23%		18	522	415 + {89} + (18) = 522
WB	T	0	1.06	0	1.20		0						0			0	0	
	R	216	1.06	229	1.20		275				59		59			0	334	275 + {59} = 334
	L	0	1.06	0	1.20		0						0			0	0	
NB	T	298	1.06	316	1.20		379	21	24		12	14	71		2%	5	455	379 + {71} + (5) = 455
	R	429	1.06	455	1.20		546	82	23		14	20	139		23%	55	740	546 + {139} + (55) = 740
	L	261	1.06	277	1.20		332				81		81			0	413	332 + {81} = 413
SB	T	92	1.06	98	1.20		118	8	14		33	5	60	2%		2	180	118 + {60} + (2) = 180
	R	0	1.06	0	1.20		0						0			0	0	

Intersection= SR 19 & Central Ave — **2**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	33	1.06	35	1.20		42	62		16			78		10%	24	144	42 + {78} + (24) = 144
EB	T	3	1.06	3	1.20		4						0			0	4	4
	R	9	1.06	10	1.20		12						0			0	12	12
	L	10	1.06	11	1.20		13						0			0	13	13
WB	T	1	1.06	1	1.20		1						0			0	1	1
	R	14	1.06	15	1.20		18		47				47			0	65	18 + {47} = 65
	L	11	1.06	12	1.20		14						0			0	14	14
NB	T	356	1.06	377	1.20		452	82		42	26	34	184		15%	36	672	452 + {184} + (36) = 672
	R	23	1.06	24	1.20		29						0			0	29	29
	L	4	1.06	4	1.20		5		32				32			0	37	5 + {32} = 37
SB	T	404	1.06	428	1.20		514	32		24	69	12	137	15%		12	663	514 + {137} + (12) = 663
	R	7	1.06	7	1.20		8	24		9			33	10%		8	49	8 + {33} + (8) = 49

Intersection= Central Ave & S. Florida Ave — **3**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	1	1.06	1	1.20		1						0			0	1	1
EB	T	35	1.06	37	1.20		44						0		10%	24	68	44 + (24) = 68
	R	11	1.06	12	1.20		14			3			3			0	17	14 + {3} = 17
	L	1	1.06	1	1.20		1			9			9			0	10	1 + {9} = 10
WB	T	18	1.06	19	1.20		23						0	10%		8	31	23 + (8) = 31
	R	1	1.06	1	1.20		1						0			0	1	1
	L	4	1.06	4	1.20		5			5			5			0	10	5 + {5} = 10
NB	T	0	1.06	0	1.20		0						0			0	0	
	R	3	1.06	3	1.20		4			16			16			0	20	4 + {16} = 20
	L	0	1.06	0	1.20		0						0			0	0	
SB	T	0	1.06	0	1.20		0						0			0	0	
	R	0	1.06	0	1.20		0						0			0	0	

Intersection= SR 19 & Revels Rd — **4**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	2	1.06	2	1.20		2	3					3		15%	36	41	2 + {3} + (36) = 41
EB	T	0	1.06	0	1.20		0						0			0	0	
	R	5	1.06	5	1.20		6	30					30		35%	84	120	6 + {30} + (84) = 120
	L	5	1.06	5	1.20		6		37			81	118			0	124	6 + {118} = 124
WB	T	0	1.06	0	1.20		0						0			0	0	
	R	4	1.06	4	1.20		5					48	48			0	53	5 + {48} = 53
	L	3	1.06	3	1.20		4	12					12	35%		28	44	4 + {12} + (28) = 44
NB	T	306	1.06	324	1.20		389	67			26		93	10%		8	490	389 + {93} + (8) = 490
	R	12	1.06	13	1.20		16		22			28	50			0	66	16 + {50} = 66
	L	3	1.06	3	1.20		4					17	17			0	21	4 + {17} = 21
SB	T	410	1.06	435	1.20		522	175			69		244		10%	24	790	522 + {244} + (24) = 790
	R	0	1.06	0	1.20		0	2					2	15%		12	14	{2} + (12) = 14

Intersection= SR 19 & CR 455 — **5**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	0	1.00	0	1.20		0						0			0	0	
EB	T	0	1.00	0	1.20		0						0			0	0	
	R	0	1.00	0	1.20		0						0			0	0	
	L	65	1.00	65	1.20		78						0			0	78	78
WB	T	0	1.00	0	1.20		0						0			0	0	
	R	43	1.00	43	1.20		52	16			5	7	28	10%		8	88	52 + {28} + (8) = 88
	L	0	1.00	0	1.20		0						0			0	0	
NB	T	394	1.00	394	1.20		473	55			21	19	95	35%		28	596	473 + {95} + (28) = 596
	R	111	1.00	111	1.20		133						0			0	133	133
	L	70	1.00	70	1.20		84	41			14	20	75		10%	24	183	84 + {75} + (24) = 183
SB	T	492	1.00	492	1.20		590	144			55	54	253		35%	84	927	590 + {253} + (84) = 927
	R	0	1.00	0	1.20		0						0			0	0	

Counts on 1/24/2023

Intersection=		Interconnect Rd & Spine Rd (Proposed)															6
Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L						0									0	0	
EB	T						0									0	0	
	R						0									0	0	
	L						0									0	0	
WB	T						0									0	0	
	R						25							10%		8	33	25 + (8) = 33
	L						0									0	0	
NB	T						20									51	71	20 + (51) = 71
	R						0									0	0	
	L						20								10%	24	44	20 + (24) = 44
SB	T						25									16	41	25 + (16) = 41
	R						0									0	0	

Intersection=		Number 2 Rd & Spine Road / North Access															7
Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L						0									0	0	
EB	T						59						3			0	62	59 + {3} = 62
	R						15							15%		11	26	15 + (11) = 26
	L						30							20%		16	46	30 + (16) = 46
WB	T						28						5			0	33	28 + {5} = 33
	R						0									0	0	
	L						15								15%	37	52	15 + (37) = 52
NB	T						0									0	0	
	R						30								20%	48	78	30 + (48) = 78
	L						0									0	0	
SB	T						0									0	0	
	R						0									0	0	

Intersection=		Revels Rd & Spine Rd / Proposed															8
Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L						0									0	0	
EB	T						0									0	0	
	R						0									0	0	
	L						3								3%	7	10	3 + (7) = 10
WB	T						0									0	0	
	R						62							25%		46	108	62 + (46) = 108
	L						0									0	0	
NB	T						4							2%		2	6	4 + (2) = 6
	R						3							3%		2	5	3 + (2) = 5
	L						74								25%	68	142	74 + (68) = 142
SB	T						4								2%	5	9	4 + (5) = 9
	R						0									0	0	

Intersection=		Revels Rd & Orange Blossom Rd / South Access															9
Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L						7									0	7	7
EB	T						0									0	0	
	R						0									0	0	
	L						0									0	0	
WB	T						0									0	0	
	R						0							5%		4	4	(4)
	L						0									0	0	
NB	T						0									0	0	
	R						0									0	0	
	L						0								5%	12	12	(12)
SB	T						0									0	0	
	R						7									0	7	7

Project No. 23017 Mission Rise

Intersection Volumes

Counts on 7/19/2023

Period	Tgen	Enter	Exit		SF	AGR	Years	Legend
PM Peak		284	167		1.06	2.00%	10	Backg'd + {Vested} + (Project) = T

Intersection= SR 19 & CR 48 — **1**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	0	1.06	0	1.20		0						0			0	0	
EB	T	0	1.06	0	1.20		0						0			0	0	
	R	0	1.06	0	1.20		0						0			0	0	
	L	409	1.06	434	1.20		521	92	23		25	24	164	23%		66	751	521 + {164} + (66) = 751
WB	T	0	1.06	0	1.20		0						0			0	0	
	R	301	1.06	319	1.20		383				100		100			0	483	383 + {100} = 483
	L	0	1.06	0	1.20		0						0			0	0	
NB	T	68	1.06	72	1.20		86	15	14		37	9	75		2%	3	164	86 + {75} + (3) = 164
	R	333	1.06	353	1.20		424	58	14		39	14	125		23%	39	588	424 + {125} + (39) = 588
	L	287	1.06	304	1.20		365				86		86			0	451	365 + {86} = 451
SB	T	79	1.06	84	1.20		101	23	24		24	16	87	2%		6	194	101 + {87} + (6) = 194
	R	0	1.06	0	1.20		0						0			0	0	

Intersection= SR 19 & Central Ave — **2**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	30	1.06	32	1.20		38	44		9			53		10%	17	108	38 + {53} + (17) = 108
EB	T	11	1.06	12	1.20		14						0			0	14	14
	R	12	1.06	13	1.20		16						0			0	16	16
	L	16	1.06	17	1.20		20						0			0	20	20
WB	T	3	1.06	3	1.20		4						0			0	4	4
	R	13	1.06	14	1.20		17		32				32			0	49	17 + {32} = 49
	L	15	1.06	16	1.20		19						0			0	19	19
NB	T	342	1.06	363	1.20		436	58		24	76	23	181		15%	25	642	436 + {181} + (25) = 642
	R	20	1.06	21	1.20		25						0			0	25	25
	L	15	1.06	16	1.20		19		47				47			0	66	19 + {47} = 66
SB	T	408	1.06	432	1.20		518	92		42	49	40	223	15%		43	784	518 + {223} + (43) = 784
	R	38	1.06	40	1.20		48	69		16			85	10%		29	162	48 + {85} + (29) = 162

Intersection= Central Ave & S. Florida Ave — **3**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	0	1.06	0	1.20		0						0			0	0	
EB	T	27	1.06	29	1.20		35						0		10%	17	52	35 + (17) = 52
	R	5	1.06	5	1.20		6			5			5			0	11	6 + {5} = 11
	L	16	1.06	17	1.20		20			16			16			0	36	20 + {16} = 36
WB	T	24	1.06	25	1.20		30						0	10%		29	59	30 + (29) = 59
	R	5	1.06	5	1.20		6						0			0	6	6
	L	5	1.06	5	1.20		6			3			3			0	9	6 + {3} = 9
NB	T	1	1.06	1	1.20		1						0			0	1	1
	R	19	1.06	20	1.20		24			9			9			0	33	24 + {9} = 33
	L	1	1.06	1	1.20		1						0			0	1	1
SB	T	0	1.06	0	1.20		0						0			0	0	
	R	0	1.06	0	1.20		0						0			0	0	

Intersection= SR 19 & Revels Rd — **4**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	3	1.06	3	1.20		4	1					1		15%	25	30	4 + {1} + (25) = 30
EB	T	1	1.06	1	1.20		1						0			0	1	1
	R	4	1.06	4	1.20		5	21					21		35%	57	83	5 + {21} + (57) = 83
	L	8	1.06	8	1.20		10		22			56	78			0	88	10 + {78} = 88
WB	T	0	1.06	0	1.20		0						0			0	0	
	R	3	1.06	3	1.20		4					32	32			0	36	4 + {32} = 36
	L	1	1.06	1	1.20		1	35					35	35%		99	135	1 + {35} + (99) = 135
NB	T	351	1.06	372	1.20		446	194			76		270	10%		28	744	446 + {270} + (28) = 744
	R	11	1.06	12	1.20		14		37			95	132			0	146	14 + {132} = 146
	L	7	1.06	7	1.20		8					56	56			0	64	8 + {56} = 64
SB	T	324	1.06	343	1.20		412	124			49		173		10%	17	602	412 + {173} + (17) = 602
	R	0	1.06	0	1.20		0	2					2	15%		43	45	{2} + (43) = 45

Intersection= SR 19 & CR 455 — **5**

Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L	0	1.00	0	1.20		0						0			0	0	
EB	T	0	1.00	0	1.20		0						0			0	0	
	R	0	1.00	0	1.20		0						0			0	0	
	L	83	1.00	83	1.20		100						0			0	100	100
WB	T	0	1.00	0	1.20		0						0			0	0	
	R	55	1.00	55	1.20		66	46			15	24	85	10%		28	179	66 + {85} + (28) = 179
	L	0	1.00	0	1.20		0						0			0	0	
NB	T	476	1.00	476	1.20		571	161			61	64	286	35%		99	956	571 + {286} + (99) = 956
	R	92	1.00	92	1.20		110						0			0	110	110
	L	50	1.00	50	1.20		60	29			10	14	53		10%	17	130	60 + {53} + (17) = 130
SB	T	433	1.00	433	1.20		520	102			39	37	178		35%	58	756	520 + {178} + (58) = 756
	R	0	1.00	0	1.20		0						0			0	0	

Counts on 1/24/2023

Intersection=		Interconnect Rd & Spine Rd (Proposed)															6
Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L						0									0	0	
EB	T						0									0	0	
	R						0									0	0	
	L						0									0	0	
WB	T						0									0	0	
	R						20							10%		28	48	20 + (28) = 48
	L						0									0	0	
NB	T						25									36	61	25 + (36) = 61
	R						0									0	0	
	L						25								10%	17	42	25 + (17) = 42
SB	T						20									61	81	20 + (61) = 81
	R						0									0	0	

Intersection=		Number 2 Rd & Spine Road / North Access															7
Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L						0									0	0	
EB	T						41						5			0	46	41 + {5} = 46
	R						15							15%		44	59	15 + (44) = 59
	L						30							20%		57	87	30 + (57) = 87
WB	T						36						3			0	39	36 + {3} = 39
	R						0									0	0	
	L						15								15%	26	41	15 + (26) = 41
NB	T						0									0	0	
	R						30								20%	34	64	30 + (34) = 64
	L						0									0	0	
SB	T						0									0	0	
	R						0									0	0	

Intersection=		Revels Rd & Spine Rd / Proposed															8
Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L						0									0	0	
EB	T						0									0	0	
	R						0									0	0	
	L						4								3%	6	10	4 + (6) = 10
WB	T						0									0	0	
	R						74							25%		89	163	74 + (89) = 163
	L						0									0	0	
NB	T						3							2%		6	9	3 + (6) = 9
	R						4							3%		8	12	4 + (8) = 12
	L						62								25%	72	134	62 + (72) = 134
SB	T						3								2%	2	5	3 + (2) = 5
	R						0									0	0	

Intersection=		Revels Rd & Orange Blossom Rd / South Access															9
Approach	Mvmt	Raw	SF	Adjusted	GR	Redirect	Adj Bg'd	The Reserve	Whisp. Hills	Talichet	Lake Hills	Watermark	Vested	%Proj Ent	%Proj Ext	Project	Total	Formula
	L						7									0	7	7
EB	T						0									0	0	
	R						0									0	0	
	L						0									0	0	
WB	T						0									0	0	
	R						0							5%		13	13	(13)
	L						0									0	0	
NB	T						0									0	0	
	R						0									0	0	
	L						0								5%	8	8	(8)
SB	T						0									0	0	
	R						7									0	7	7

Appendix M
Background Conditions / Buildout Conditions with Mitigation

HCM 6th Signalized Intersection Summary
1: SR 19 & CR 48

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	504	334	450	685	413	178
Future Volume (veh/h)	504	334	450	685	413	178
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1752	1589	1767	1811	1737	1811
Adj Flow Rate, veh/h	520	203	464	0	426	184
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	10	21	9	6	11	6
Cap, veh/h	386	312	695		506	1139
Arrive On Green	0.23	0.23	0.39	0.00	0.17	0.63
Sat Flow, veh/h	1668	1346	1767	1535	1654	1811
Grp Volume(v), veh/h	520	203	464	0	426	184
Grp Sat Flow(s),veh/h/ln	1668	1346	1767	1535	1654	1811
Q Serve(g_s), s	22.7	13.4	21.2	0.0	14.2	4.1
Cycle Q Clear(g_c), s	22.7	13.4	21.2	0.0	14.2	4.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	386	312	695		506	1139
V/C Ratio(X)	1.35	0.65	0.67		0.84	0.16
Avail Cap(c_a), veh/h	386	312	695		539	1139
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	37.7	34.1	24.4	0.0	16.8	7.5
Incr Delay (d2), s/veh	172.2	4.7	5.0	0.0	11.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	41.4	8.1	14.4	0.0	10.4	2.7
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	209.9	38.8	29.5	0.0	27.8	7.8
LnGrp LOS	F	D	C		C	A
Approach Vol, veh/h	723		464	A		610
Approach Delay, s/veh	161.9		29.5			21.8
Approach LOS	F		C			C

Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	23.0	45.0		30.0		68.0
Change Period (Y+Rc), s	6.5	6.4		7.3		6.4
Max Green Setting (Gmax), s	18.5	38.6		22.7		38.6
Max Q Clear Time (g_c+I1), s	16.2	23.2		24.7		6.1
Green Ext Time (p_c), s	0.4	2.5		0.0		1.0

Intersection Summary	
HCM 6th Ctrl Delay	80.1
HCM 6th LOS	F

Notes

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: SR 19 & CR 48

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	685	483	161	549	451	188
Future Volume (veh/h)	685	483	161	549	451	188
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1752	1589	1767	1811	1737	1811
Adj Flow Rate, veh/h	706	302	166	0	465	194
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	10	21	9	6	11	6
Cap, veh/h	380	307	685		740	1149
Arrive On Green	0.23	0.23	0.39	0.00	0.18	0.63
Sat Flow, veh/h	1668	1346	1767	1535	1654	1811
Grp Volume(v), veh/h	706	302	166	0	465	194
Grp Sat Flow(s),veh/h/ln	1668	1346	1767	1535	1654	1811
Q Serve(g_s), s	22.7	22.2	6.3	0.0	16.0	4.4
Cycle Q Clear(g_c), s	22.7	22.2	6.3	0.0	16.0	4.4
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	380	307	685		740	1149
V/C Ratio(X)	1.86	0.98	0.24		0.63	0.17
Avail Cap(c_a), veh/h	380	307	685		747	1149
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	38.4	38.3	20.6	0.0	12.3	7.4
Incr Delay (d2), s/veh	395.5	46.9	0.8	0.0	1.7	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	79.4	16.3	4.8	0.0	9.5	2.9
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	433.9	85.1	21.5	0.0	13.9	7.8
LnGrp LOS	F	F	C		B	A
Approach Vol, veh/h	1008		166	A		659
Approach Delay, s/veh	329.4		21.5			12.1
Approach LOS	F		C			B

Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	24.6	45.0		30.0		69.6
Change Period (Y+Rc), s	6.5	6.4		7.3		6.4
Max Green Setting (Gmax), s	18.5	38.6		22.7		38.6
Max Q Clear Time (g_c+I1), s	18.0	8.3		24.7		6.4
Green Ext Time (p_c), s	0.1	0.9		0.0		1.1

Intersection Summary		
HCM 6th Ctrl Delay		187.5
HCM 6th LOS		F

Notes

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th TWSC
2: SR 19 & W Central Ave/E Central Ave

Intersection	
Int Delay, s/veh	41.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	120	4	12	13	1	65	14	636	29	37	651	41
Future Vol, veh/h	120	4	12	13	1	65	14	636	29	37	651	41
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	12	33	2	2	2	2	38	10	2	42	2	11
Mvmt Flow	124	4	12	13	1	67	14	656	30	38	671	42

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1501	1482	692	1475	1488	671	713	0	0	686	0	0
Stage 1	768	768	-	699	699	-	-	-	-	-	-	-
Stage 2	733	714	-	776	789	-	-	-	-	-	-	-
Critical Hdwy	7.22	6.83	6.22	7.12	6.52	6.22	4.48	-	-	4.52	-	-
Critical Hdwy Stg 1	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.608	4.297	3.318	3.518	4.018	3.318	2.542	-	-	2.578	-	-
Pot Cap-1 Maneuver	~ 95	107	444	104	124	456	742	-	-	747	-	-
Stage 1	380	369	-	430	442	-	-	-	-	-	-	-
Stage 2	397	392	-	390	402	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 74	95	444	89	110	456	742	-	-	747	-	-
Mov Cap-2 Maneuver	~ 74	95	-	89	110	-	-	-	-	-	-	-
Stage 1	368	338	-	417	428	-	-	-	-	-	-	-
Stage 2	327	380	-	343	368	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	$ 472.6	24.5	0.2	0.5
HCM LOS	F	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	742	-	-	80	265	747	-	-
HCM Lane V/C Ratio	0.019	-	-	1.753	0.307	0.051	-	-
HCM Control Delay (s)	9.9	0	-	$ 472.6	24.5	10.1	0	-
HCM Lane LOS	A	A	-	F	C	B	A	-
HCM 95th %tile Q(veh)	0.1	-	-	11.9	1.3	0.2	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

HCM 6th TWSC
2: SR 19 & W Central Ave/E Central Ave

Intersection	
Int Delay, s/veh	50.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	91	14	16	20	4	49	19	617	25	66	741	133
Future Vol, veh/h	91	14	16	20	4	49	19	617	25	66	741	133
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	12	33	2	2	2	2	38	10	2	42	2	11
Mvmt Flow	94	14	16	21	4	51	20	636	26	68	764	137

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1686	1671	833	1673	1726	649	901	0	0	662	0	0
Stage 1	969	969	-	689	689	-	-	-	-	-	-	-
Stage 2	717	702	-	984	1037	-	-	-	-	-	-	-
Critical Hdwy	7.22	6.83	6.22	7.12	6.52	6.22	4.48	-	-	4.52	-	-
Critical Hdwy Stg 1	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.22	5.83	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.608	4.297	3.318	3.518	4.018	3.318	2.542	-	-	2.578	-	-
Pot Cap-1 Maneuver	~ 70	81	369	76	89	470	624	-	-	764	-	-
Stage 1	292	294	-	436	446	-	-	-	-	-	-	-
Stage 2	405	397	-	299	308	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 49	63	369	50	69	470	624	-	-	764	-	-
Mov Cap-2 Maneuver	~ 49	63	-	50	69	-	-	-	-	-	-	-
Stage 1	277	240	-	414	423	-	-	-	-	-	-	-
Stage 2	340	377	-	219	251	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	$ 701.2	65.2	0.3	0.7
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	624	-	-	57	130	764	-	-
HCM Lane V/C Ratio	0.031	-	-	2.188	0.579	0.089	-	-
HCM Control Delay (s)	11	0	-	$ 701.2	65.2	10.2	0	-
HCM Lane LOS	B	A	-	F	F	B	A	-
HCM 95th %tile Q(veh)	0.1	-	-	12.3	2.9	0.3	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	2.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	1	44	17	10	23	1	10	0	20	0	0	0
Future Vol, veh/h	1	44	17	10	23	1	10	0	20	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	80	80	80	80	80	80	80	80	80	80	80	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	55	21	13	29	1	13	0	25	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	30	0	0	76	0	0	124	124	66	136	134	30
Stage 1	-	-	-	-	-	-	68	68	-	56	56	-
Stage 2	-	-	-	-	-	-	56	56	-	80	78	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1583	-	-	1523	-	-	850	766	998	835	757	1044
Stage 1	-	-	-	-	-	-	942	838	-	956	848	-
Stage 2	-	-	-	-	-	-	956	848	-	929	830	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1583	-	-	1523	-	-	843	758	998	808	749	1044
Mov Cap-2 Maneuver	-	-	-	-	-	-	843	758	-	808	749	-
Stage 1	-	-	-	-	-	-	941	837	-	955	840	-
Stage 2	-	-	-	-	-	-	947	840	-	905	829	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	2.2	9	0
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	940	1583	-	-	1523	-	-	-
HCM Lane V/C Ratio	0.04	0.001	-	-	0.008	-	-	-
HCM Control Delay (s)	9	7.3	0	-	7.4	0	-	0
HCM Lane LOS	A	A	A	-	A	A	-	A
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	-

Intersection	
Int Delay, s/veh	4.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	35	11	36	30	6	9	1	33	1	0	0
Future Vol, veh/h	0	35	11	36	30	6	9	1	33	1	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	80	80	80	80	80	80	80	80	80	80	80	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	44	14	45	38	8	11	1	41	1	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	46	0	0	58	0	0	183	187	51	204	190	42
Stage 1	-	-	-	-	-	-	51	51	-	132	132	-
Stage 2	-	-	-	-	-	-	132	136	-	72	58	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1562	-	-	1546	-	-	778	708	1017	754	705	1029
Stage 1	-	-	-	-	-	-	962	852	-	871	787	-
Stage 2	-	-	-	-	-	-	871	784	-	938	847	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1562	-	-	1546	-	-	760	687	1017	706	684	1029
Mov Cap-2 Maneuver	-	-	-	-	-	-	760	687	-	706	684	-
Stage 1	-	-	-	-	-	-	962	852	-	871	763	-
Stage 2	-	-	-	-	-	-	845	760	-	899	847	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	3.7	9.1	10.1
HCM LOS			A	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	940	1562	-	-	1546	-	-	706
HCM Lane V/C Ratio	0.057	-	-	-	0.029	-	-	0.002
HCM Control Delay (s)	9.1	0	-	-	7.4	0	-	10.1
HCM Lane LOS	A	A	-	-	A	A	-	B
HCM 95th %tile Q(veh)	0.2	0	-	-	0.1	-	-	0

HCM 6th TWSC
4: SR 19 & Revels Rd

Intersection	
Int Delay, s/veh	54.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	5	0	36	124	0	53	16	482	66	21	766	2
Future Vol, veh/h	5	0	36	124	0	53	16	482	66	21	766	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	8	12	2	10	2
Mvmt Flow	6	0	40	138	0	59	18	536	73	23	851	2

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1536	1543	852	1527	1508	573	853	0	0	609	0	0
Stage 1	898	898	-	609	609	-	-	-	-	-	-	-
Stage 2	638	645	-	918	899	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	95	115	359	~ 96	121	519	786	-	-	970	-	-
Stage 1	334	358	-	482	485	-	-	-	-	-	-	-
Stage 2	465	467	-	326	358	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	79	106	359	~ 80	112	519	786	-	-	970	-	-
Mov Cap-2 Maneuver	79	106	-	~ 80	112	-	-	-	-	-	-	-
Stage 1	322	342	-	465	468	-	-	-	-	-	-	-
Stage 2	398	451	-	277	342	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	22.5	$ 478.9	0.3	0.2
HCM LOS	C	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	786	-	-	251	107	970	-	-
HCM Lane V/C Ratio	0.023	-	-	0.181	1.838	0.024	-	-
HCM Control Delay (s)	9.7	-	-	22.5	$ 478.9	8.8	0	-
HCM Lane LOS	A	-	-	C	F	A	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0.6	15.9	0.1	-	-

Notes

~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection	
Int Delay, s/veh	48.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	5	1	26	88	0	36	36	716	146	64	585	2
Future Vol, veh/h	5	1	26	88	0	36	36	716	146	64	585	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	8	12	2	10	2
Mvmt Flow	6	1	29	98	0	40	40	796	162	71	650	2

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1770	1831	651	1765	1751	877	652	0	0	958	0	0
Stage 1	793	793	-	957	957	-	-	-	-	-	-	-
Stage 2	977	1038	-	808	794	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	65	76	469	~ 65	86	348	935	-	-	718	-	-
Stage 1	382	400	-	310	336	-	-	-	-	-	-	-
Stage 2	302	308	-	375	400	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	47	58	469	~ 49	66	348	935	-	-	718	-	-
Mov Cap-2 Maneuver	47	58	-	~ 49	66	-	-	-	-	-	-	-
Stage 1	346	338	-	281	304	-	-	-	-	-	-	-
Stage 2	242	279	-	296	338	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	30	$ 653.3	0.4	1
HCM LOS	D	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	935	-	-	179	65	718	-	-
HCM Lane V/C Ratio	0.043	-	-	0.199	2.12	0.099	-	-
HCM Control Delay (s)	9	-	-	30	$ 653.3	10.6	0	-
HCM Lane LOS	A	-	-	D	F	B	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0.7	13.1	0.3	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	26.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	78	80	568	133	159	843
Future Vol, veh/h	78	80	568	133	159	843
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	590	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	38	15	8	22	9	5
Mvmt Flow	81	83	592	139	166	878

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1802	592	0	0	731	0
Stage 1	592	-	-	-	-	-
Stage 2	1210	-	-	-	-	-
Critical Hdwy	6.78	6.35	-	-	4.19	-
Critical Hdwy Stg 1	5.78	-	-	-	-	-
Critical Hdwy Stg 2	5.78	-	-	-	-	-
Follow-up Hdwy	3.842	3.435	-	-	2.281	-
Pot Cap-1 Maneuver	~ 71	483	-	-	842	-
Stage 1	489	-	-	-	-	-
Stage 2	239	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 44	483	-	-	842	-
Mov Cap-2 Maneuver	~ 44	-	-	-	-	-
Stage 1	489	-	-	-	-	-
Stage 2	147	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	$ 303.4	0	1.6
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	44	483	842	-
HCM Lane V/C Ratio	-	-	1.847	0.173	0.197	-
HCM Control Delay (s)	-	-	$ 600.2	14	10.3	0
HCM Lane LOS	-	-	F	B	B	A
HCM 95th %tile Q(veh)	-	-	8.3	0.6	0.7	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	40.5

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	100	151	857	110	113	698
Future Vol, veh/h	100	151	857	110	113	698
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	590	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	38	15	8	22	9	5
Mvmt Flow	104	157	893	115	118	727

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1856	893	0	0	1008	0
Stage 1	893	-	-	-	-	-
Stage 2	963	-	-	-	-	-
Critical Hdwy	6.78	6.35	-	-	4.19	-
Critical Hdwy Stg 1	5.78	-	-	-	-	-
Critical Hdwy Stg 2	5.78	-	-	-	-	-
Follow-up Hdwy	3.842	3.435	-	-	2.281	-
Pot Cap-1 Maneuver	~ 65	322	-	-	661	-
Stage 1	347	-	-	-	-	-
Stage 2	320	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 46	322	-	-	661	-
Mov Cap-2 Maneuver	~ 46	-	-	-	-	-
Stage 1	347	-	-	-	-	-
Stage 2	224	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	$ 322.1	0	1.6
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	46	322	661	-
HCM Lane V/C Ratio	-	-	2.264	0.488	0.178	-
HCM Control Delay (s)	-	-	$ 768.6	26.4	11.6	0
HCM Lane LOS	-	-	F	D	B	A
HCM 95th %tile Q(veh)	-	-	10.9	2.5	0.6	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

HCM 6th Signalized Intersection Summary
1: SR 19 & CR 48

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	522	334	454	740	413	180
Future Volume (veh/h)	522	334	454	740	413	180
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1752	1589	1767	1811	1737	1811
Adj Flow Rate, veh/h	538	205	468	0	426	186
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	10	21	9	6	11	6
Cap, veh/h	548	442	485		430	991
Arrive On Green	0.33	0.33	0.27	0.00	0.21	0.55
Sat Flow, veh/h	1668	1346	1767	1535	1654	1811
Grp Volume(v), veh/h	538	205	468	0	426	186
Grp Sat Flow(s),veh/h/ln	1668	1346	1767	1535	1654	1811
Q Serve(g_s), s	35.2	13.3	28.8	0.0	23.1	5.7
Cycle Q Clear(g_c), s	35.2	13.3	28.8	0.0	23.1	5.7
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	548	442	485		430	991
V/C Ratio(X)	0.98	0.46	0.96		0.99	0.19
Avail Cap(c_a), veh/h	548	442	485		430	991
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	36.6	29.3	39.4	0.0	31.2	12.6
Incr Delay (d2), s/veh	33.9	0.8	33.0	0.0	40.8	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	25.7	7.5	23.3	0.0	22.6	4.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	70.5	30.0	72.4	0.0	72.0	13.0
LnGrp LOS	E	C	E		E	B
Approach Vol, veh/h	743		468	A		612
Approach Delay, s/veh	59.4		72.4			54.1
Approach LOS	E		E			D

Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	30.0	36.6		43.4		66.6
Change Period (Y+Rc), s	6.5	6.4		7.3		6.4
Max Green Setting (Gmax), s	23.5	30.2		36.1		60.2
Max Q Clear Time (g_c+I1), s	25.1	30.8		37.2		7.7
Green Ext Time (p_c), s	0.0	0.0		0.0		1.1

Intersection Summary			
HCM 6th Ctrl Delay		60.9	
HCM 6th LOS		E	

Notes

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Intersection Delay, s/veh	17.7
Intersection LOS	C

Approach	WB	NB	SB
Entry Lanes	2	2	2
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	882	1231	612
Demand Flow Rate, veh/h	1008	1319	670
Vehicles Circulating, veh/h	510	473	592
Vehicles Exiting, veh/h	1282	789	926
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	14.2	23.0	11.9
Approach LOS	B	C	B

Lane	Left	Right	Left	Right	Left	Right
Designated Moves	L	TR	LT	R	L	TR
Assumed Moves	L	TR	LT	R	L	TR
RT Channelized						
Lane Util	0.587	0.413	0.387	0.613	0.706	0.294
Follow-Up Headway, s	2.535	2.535	2.535	2.535	2.535	2.535
Critical Headway, s	4.544	4.544	4.544	4.544	4.544	4.544
Entry Flow, veh/h	592	416	510	809	473	197
Cap Entry Lane, veh/h	893	893	923	923	829	829
Entry HV Adj Factor	0.909	0.827	0.917	0.943	0.901	0.943
Flow Entry, veh/h	538	344	468	763	426	186
Cap Entry, veh/h	811	738	847	871	746	782
V/C Ratio	0.663	0.466	0.552	0.876	0.571	0.238
Control Delay, s/veh	16.0	11.4	12.1	29.7	13.9	7.2
LOS	C	B	B	D	B	A
95th %tile Queue, veh	5	2	3	11	4	1

HCM 6th Signalized Intersection Summary
1: SR 19 & CR 48

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	751	483	164	587	451	194
Future Volume (veh/h)	751	483	164	587	451	194
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1752	1589	1767	1811	1737	1811
Adj Flow Rate, veh/h	774	359	169	0	465	200
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	10	21	9	6	11	6
Cap, veh/h	777	627	259		467	743
Arrive On Green	0.47	0.47	0.15	0.00	0.20	0.41
Sat Flow, veh/h	1668	1346	1767	1535	1654	1811
Grp Volume(v), veh/h	774	359	169	0	465	200
Grp Sat Flow(s),veh/h/ln	1668	1346	1767	1535	1654	1811
Q Serve(g_s), s	50.9	21.4	9.9	0.0	22.5	8.1
Cycle Q Clear(g_c), s	50.9	21.4	9.9	0.0	22.5	8.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	777	627	259		467	743
V/C Ratio(X)	1.00	0.57	0.65		1.00	0.27
Avail Cap(c_a), veh/h	777	627	259		467	743
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	29.3	21.4	44.3	0.0	33.2	21.5
Incr Delay (d2), s/veh	31.4	1.3	12.2	0.0	40.4	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	33.4	10.6	8.9	0.0	12.2	6.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	60.7	22.7	56.5	0.0	73.6	22.4
LnGrp LOS	E	C	E		E	C
Approach Vol, veh/h	1133		169	A		665
Approach Delay, s/veh	48.7		56.5			58.2
Approach LOS	D		E			E

Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	29.0	22.5		58.5		51.5
Change Period (Y+Rc), s	6.5	6.4		7.3		6.4
Max Green Setting (Gmax), s	22.5	16.1		51.2		45.1
Max Q Clear Time (g_c+I1), s	24.5	11.9		52.9		10.1
Green Ext Time (p_c), s	0.0	0.3		0.0		1.1

Intersection Summary						
HCM 6th Ctrl Delay			52.6			
HCM 6th LOS			D			

Notes

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Intersection Delay, s/veh	16.1
Intersection LOS	C

Approach	WB	NB	SB
Entry Lanes	2	2	2
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	1272	774	665
Demand Flow Rate, veh/h	1454	825	728
Vehicles Circulating, veh/h	184	516	851
Vehicles Exiting, veh/h	1157	1063	787
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	12.6	15.7	23.4
Approach LOS	B	C	C

Lane	Left	Right	Left	Right	Left	Right
Designated Moves	L	TR	LT	R	L	TR
Assumed Moves	L	TR	LT	R	L	TR
RT Channelized						
Lane Util	0.585	0.415	0.223	0.777	0.709	0.291
Follow-Up Headway, s	2.535	2.535	2.535	2.535	2.535	2.535
Critical Headway, s	4.544	4.544	4.544	4.544	4.544	4.544
Entry Flow, veh/h	851	603	184	641	516	212
Cap Entry Lane, veh/h	1201	1201	888	888	655	655
Entry HV Adj Factor	0.910	0.826	0.917	0.944	0.901	0.943
Flow Entry, veh/h	774	498	169	605	465	200
Cap Entry, veh/h	1092	992	815	838	590	618
V/C Ratio	0.708	0.502	0.207	0.722	0.788	0.324
Control Delay, s/veh	14.4	9.7	6.6	18.2	29.0	10.2
LOS	B	A	A	C	D	B
95th %tile Queue, veh	6	3	1	6	8	1

HCM 6th Signalized Intersection Summary
2: SR 19 & W Central Ave

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	144	4	12	13	1	65	14	672	29	37	663	49
Future Volume (veh/h)	144	4	12	13	1	65	14	672	29	37	663	49
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1722	1411	1870	1870	1870	1870	1337	1752	1870	1278	1870	1737
Adj Flow Rate, veh/h	148	4	12	13	1	67	14	693	30	38	684	51
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	12	33	2	2	2	2	38	10	2	42	2	11
Cap, veh/h	310	10	15	105	29	252	78	1054	45	101	1041	75
Arrive On Green	0.18	0.18	0.18	0.18	0.18	0.18	0.64	0.64	0.64	0.64	0.64	0.64
Sat Flow, veh/h	965	56	81	128	159	1375	11	1642	70	43	1623	118
Grp Volume(v), veh/h	164	0	0	81	0	0	737	0	0	773	0	0
Grp Sat Flow(s),veh/h/ln	1102	0	0	1663	0	0	1722	0	0	1783	0	0
Q Serve(g_s), s	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	7.2	0.0	0.0	2.2	0.0	0.0	13.5	0.0	0.0	13.2	0.0	0.0
Prop In Lane	0.90		0.07	0.16		0.83	0.02		0.04	0.05		0.07
Lane Grp Cap(c), veh/h	335	0	0	386	0	0	1177	0	0	1218	0	0
V/C Ratio(X)	0.49	0.00	0.00	0.21	0.00	0.00	0.63	0.00	0.00	0.63	0.00	0.00
Avail Cap(c_a), veh/h	506	0	0	645	0	0	1177	0	0	1218	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	19.9	0.0	0.0	18.1	0.0	0.0	5.7	0.0	0.0	5.7	0.0	0.0
Incr Delay (d2), s/veh	1.1	0.0	0.0	0.3	0.0	0.0	2.5	0.0	0.0	2.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	3.2	0.0	0.0	1.4	0.0	0.0	6.1	0.0	0.0	6.4	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.0	0.0	0.0	18.3	0.0	0.0	8.2	0.0	0.0	8.2	0.0	0.0
LnGrp LOS	C	A	A	B	A	A	A	A	A	A	A	A
Approach Vol, veh/h		164			81			737			773	
Approach Delay, s/veh		21.0			18.3			8.2			8.2	
Approach LOS		C			B			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	37.5	13.9	37.5	13.9
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	33.0	18.0	33.0	18.0
Max Q Clear Time (g_c+I1), s	15.5	9.2	15.2	4.2
Green Ext Time (p_c), s	5.0	0.5	5.4	0.3

Intersection Summary	
HCM 6th Ctrl Delay	9.9
HCM 6th LOS	A

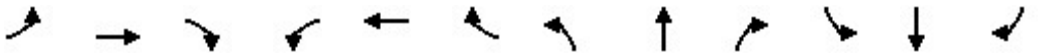
HCM 6th Signalized Intersection Summary
2: SR 19 & W Central Ave

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	108	14	16	20	4	49	19	642	25	66	784	161
Future Volume (veh/h)	108	14	16	20	4	49	19	642	25	66	784	161
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1722	1411	1870	1870	1870	1870	1337	1752	1870	1278	1870	1737
Adj Flow Rate, veh/h	111	14	16	21	4	51	20	662	26	68	808	166
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	12	33	2	2	2	2	38	10	2	42	2	11
Cap, veh/h	338	28	21	191	43	187	124	917	35	154	784	155
Arrive On Green	0.17	0.17	0.17	0.17	0.17	0.17	0.56	0.56	0.56	0.56	0.56	0.56
Sat Flow, veh/h	839	169	129	296	258	1130	18	1650	64	64	1410	279
Grp Volume(v), veh/h	141	0	0	76	0	0	708	0	0	1042	0	0
Grp Sat Flow(s),veh/h/ln	1136	0	0	1684	0	0	1731	0	0	1753	0	0
Q Serve(g_s), s	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0
Cycle Q Clear(g_c), s	3.7	0.0	0.0	1.3	0.0	0.0	9.9	0.0	0.0	18.0	0.0	0.0
Prop In Lane	0.79		0.11	0.28		0.67	0.03		0.04	0.07		0.16
Lane Grp Cap(c), veh/h	387	0	0	421	0	0	1077	0	0	1094	0	0
V/C Ratio(X)	0.36	0.00	0.00	0.18	0.00	0.00	0.66	0.00	0.00	0.95	0.00	0.00
Avail Cap(c_a), veh/h	803	0	0	1020	0	0	1077	0	0	1094	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	12.7	0.0	0.0	11.8	0.0	0.0	5.4	0.0	0.0	7.6	0.0	0.0
Incr Delay (d2), s/veh	0.6	0.0	0.0	0.2	0.0	0.0	1.5	0.0	0.0	17.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.4	0.0	0.0	0.7	0.0	0.0	2.7	0.0	0.0	11.8	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	13.3	0.0	0.0	12.0	0.0	0.0	6.8	0.0	0.0	24.7	0.0	0.0
LnGrp LOS	B	A	A	B	A	A	A	A	A	C	A	A
Approach Vol, veh/h		141			76			708			1042	
Approach Delay, s/veh		13.3			12.0			6.8			24.7	
Approach LOS		B			B			A			C	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	22.5	9.9	22.5	9.9
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	18.0	18.0	18.0	18.0
Max Q Clear Time (g_c+I1), s	11.9	5.7	20.0	3.3
Green Ext Time (p_c), s	2.5	0.6	0.0	0.3

Intersection Summary	
HCM 6th Ctrl Delay	16.9
HCM 6th LOS	B

HCM 6th Signalized Intersection Summary
4: SR 19 & Revels Rd/Revels Rd

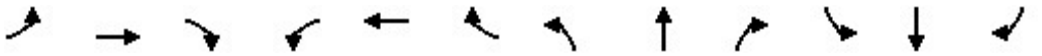


Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	41	0	120	124	0	53	44	490	66	21	790	14
Future Volume (veh/h)	41	0	120	124	0	53	44	490	66	21	790	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1781	1722	1870	1752	1870
Adj Flow Rate, veh/h	46	0	133	138	0	59	49	544	73	23	878	16
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	8	12	2	10	2
Cap, veh/h	377	0	210	0	0	210	342	980	131	104	1093	1010
Arrive On Green	0.13	0.00	0.13	0.00	0.00	0.13	0.64	0.64	0.64	0.64	0.64	0.64
Sat Flow, veh/h	1455	0	1585	0	0	1585	622	1538	206	16	1716	1585
Grp Volume(v), veh/h	46	0	133	0	0	59	49	0	617	901	0	16
Grp Sat Flow(s),veh/h/ln	1455	0	1585	0	0	1585	622	0	1744	1731	0	1585
Q Serve(g_s), s	0.0	0.0	3.1	0.0	0.0	1.3	2.5	0.0	7.8	0.0	0.0	0.1
Cycle Q Clear(g_c), s	0.9	0.0	3.1	0.0	0.0	1.3	17.5	0.0	7.8	15.0	0.0	0.1
Prop In Lane	1.00		1.00	0.00		1.00	1.00		0.12	0.03		1.00
Lane Grp Cap(c), veh/h	377	0	210	0	0	210	342	0	1111	1197	0	1010
V/C Ratio(X)	0.12	0.00	0.63	0.00	0.00	0.28	0.14	0.00	0.56	0.75	0.00	0.02
Avail Cap(c_a), veh/h	819	0	731	0	0	731	630	0	1921	1984	0	1745
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	15.1	0.0	16.0	0.0	0.0	15.3	11.8	0.0	4.0	5.3	0.0	2.6
Incr Delay (d2), s/veh	0.1	0.0	3.1	0.0	0.0	0.7	0.2	0.0	0.4	1.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.6	0.0	2.0	0.0	0.0	0.8	0.5	0.0	1.7	3.3	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	15.2	0.0	19.2	0.0	0.0	16.0	12.0	0.0	4.4	6.3	0.0	2.6
LnGrp LOS	B	A	B	A	A	B	B	A	A	A	A	A
Approach Vol, veh/h		179			59			666			917	
Approach Delay, s/veh		18.2			16.0			5.0			6.2	
Approach LOS		B			B			A			A	

Timer - Assigned Phs		2	3	4		6		8				
Phs Duration (G+Y+Rc), s		29.4	0.0	9.7		29.4		9.7				
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5		4.5				
Max Green Setting (Gmax), s		43.0	5.0	18.0		43.0		18.0				
Max Q Clear Time (g_c+I1), s		19.5	0.0	5.1		17.0		3.3				
Green Ext Time (p_c), s		4.8	0.0	0.5		7.9		0.2				

Intersection Summary												
HCM 6th Ctrl Delay			7.3									
HCM 6th LOS			A									

HCM 6th Signalized Intersection Summary
4: SR 19 & Revels Rd/Revels Rd



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	30	1	83	88	0	36	135	744	146	64	602	45
Future Volume (veh/h)	30	1	83	88	0	36	135	744	146	64	602	45
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1781	1722	1870	1752	1870
Adj Flow Rate, veh/h	33	1	92	98	0	40	150	827	162	71	669	50
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	8	12	2	10	2
Cap, veh/h	244	6	140	0	0	140	388	1102	216	126	1006	1207
Arrive On Green	0.09	0.09	0.09	0.00	0.00	0.09	0.76	0.76	0.76	0.76	0.76	0.76
Sat Flow, veh/h	1422	65	1585	0	0	1585	733	1447	283	80	1321	1585
Grp Volume(v), veh/h	34	0	92	0	0	40	150	0	989	740	0	50
Grp Sat Flow(s),veh/h/ln	1486	0	1585	0	0	1585	733	0	1730	1401	0	1585
Q Serve(g_s), s	0.0	0.0	3.4	0.0	0.0	1.4	9.8	0.0	19.1	4.7	0.0	0.5
Cycle Q Clear(g_c), s	1.1	0.0	3.4	0.0	0.0	1.4	33.6	0.0	19.1	24.0	0.0	0.5
Prop In Lane	0.97		1.00	0.00		1.00	1.00		0.16	0.10		1.00
Lane Grp Cap(c), veh/h	249	0	140	0	0	140	388	0	1318	1133	0	1207
V/C Ratio(X)	0.14	0.00	0.66	0.00	0.00	0.29	0.39	0.00	0.75	0.65	0.00	0.04
Avail Cap(c_a), veh/h	542	0	476	0	0	476	600	0	1818	1548	0	1666
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	25.4	0.0	26.5	0.0	0.0	25.6	15.2	0.0	4.0	3.3	0.0	1.8
Incr Delay (d2), s/veh	0.2	0.0	5.2	0.0	0.0	1.1	0.6	0.0	1.2	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.8	0.0	2.5	0.0	0.0	1.0	2.7	0.0	4.3	2.3	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.6	0.0	31.6	0.0	0.0	26.7	15.8	0.0	5.1	3.9	0.0	1.8
LnGrp LOS	C	A	C	A	A	C	B	A	A	A	A	A
Approach Vol, veh/h		126			40			1139			790	
Approach Delay, s/veh		30.0			26.7			6.5			3.8	
Approach LOS		C			C			A			A	

Timer - Assigned Phs		2	3	4		6		8				
Phs Duration (G+Y+Rc), s		50.5	0.0	9.8		50.5		9.8				
Change Period (Y+Rc), s		4.5	4.5	4.5		4.5		4.5				
Max Green Setting (Gmax), s		63.0	5.0	18.0		63.0		18.0				
Max Q Clear Time (g_c+I1), s		35.6	0.0	5.4		26.0		3.4				
Green Ext Time (p_c), s		10.8	0.0	0.3		7.2		0.1				

Intersection Summary	
HCM 6th Ctrl Delay	7.3
HCM 6th LOS	A

HCM 6th Signalized Intersection Summary
5: SR 19 & CR 455

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	78	88	596	133	183	927
Future Volume (veh/h)	78	88	596	133	183	927
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1337	1678	1781	1574	1767	1826
Adj Flow Rate, veh/h	81	92	621	139	191	966
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	38	15	8	22	9	5
Cap, veh/h	101	113	1527	1143	214	983
Arrive On Green	0.08	0.08	0.86	0.86	0.86	0.86
Sat Flow, veh/h	1273	1422	1781	1334	216	1146
Grp Volume(v), veh/h	81	92	621	139	1157	0
Grp Sat Flow(s),veh/h/ln	1273	1422	1781	1334	1362	0
Q Serve(g_s), s	8.9	9.1	10.9	2.4	105.7	0.0
Cycle Q Clear(g_c), s	8.9	9.1	10.9	2.4	116.6	0.0
Prop In Lane	1.00	1.00		1.00	0.17	
Lane Grp Cap(c), veh/h	101	113	1527	1143	1197	0
V/C Ratio(X)	0.80	0.81	0.41	0.12	0.97	0.00
Avail Cap(c_a), veh/h	161	180	1540	1153	1208	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	64.4	64.4	2.2	1.6	12.5	0.0
Incr Delay (d2), s/veh	13.6	13.9	0.2	0.0	18.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	5.9	6.7	4.5	0.8	40.9	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	78.0	78.4	2.4	1.7	30.8	0.0
LnGrp LOS	E	E	A	A	C	A
Approach Vol, veh/h	173		760			1157
Approach Delay, s/veh	78.2		2.3			30.8
Approach LOS	E		A			C

Timer - Assigned Phs	2			6	8
Phs Duration (G+Y+Rc), s	126.5			126.5	15.8
Change Period (Y+Rc), s	4.5			4.5	4.5
Max Green Setting (Gmax), s	123.0			123.0	18.0
Max Q Clear Time (g_c+I1), s	12.9			118.6	11.1
Green Ext Time (p_c), s	5.3			3.4	0.3

Intersection Summary	
HCM 6th Ctrl Delay	24.3
HCM 6th LOS	C

HCM 6th Signalized Intersection Summary
5: SR 19 & CR 455

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	100	179	956	110	130	756
Future Volume (veh/h)	100	179	956	110	130	756
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1337	1678	1781	1574	1767	1826
Adj Flow Rate, veh/h	104	186	996	115	135	788
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	38	15	8	22	9	5
Cap, veh/h	153	171	1461	1094	141	755
Arrive On Green	0.12	0.12	0.82	0.82	0.82	0.82
Sat Flow, veh/h	1273	1422	1781	1334	138	921
Grp Volume(v), veh/h	104	186	996	115	923	0
Grp Sat Flow(s),veh/h/ln	1273	1422	1781	1334	1059	0
Q Serve(g_s), s	11.7	18.0	34.2	2.5	88.8	0.0
Cycle Q Clear(g_c), s	11.7	18.0	34.2	2.5	123.0	0.0
Prop In Lane	1.00	1.00		1.00	0.15	
Lane Grp Cap(c), veh/h	153	171	1461	1094	896	0
V/C Ratio(X)	0.68	1.09	0.68	0.11	1.03	0.00
Avail Cap(c_a), veh/h	153	171	1461	1094	896	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	63.2	66.0	5.5	2.7	24.2	0.0
Incr Delay (d2), s/veh	11.6	95.0	1.3	0.0	38.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	7.7	17.1	15.7	1.1	52.3	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	74.9	161.0	6.8	2.7	62.3	0.0
LnGrp LOS	E	F	A	A	F	A
Approach Vol, veh/h	290		1111			923
Approach Delay, s/veh	130.1		6.4			62.3
Approach LOS	F		A			E

Timer - Assigned Phs	2			6	8
Phs Duration (G+Y+Rc), s	127.5			127.5	22.5
Change Period (Y+Rc), s	4.5			4.5	4.5
Max Green Setting (Gmax), s	123.0			123.0	18.0
Max Q Clear Time (g_c+I1), s	36.2			125.0	20.0
Green Ext Time (p_c), s	11.8			0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	44.1
HCM 6th LOS	D

Appendix N

Lake County Land Development Code (LDC)

2. Turn Lanes

Turn lanes consist of left-turn lanes and right-turn lanes (deceleration lanes). Turn lanes shall be installed on the road which is being accessed at the proposed entrance(s) to the development, as deemed necessary by the County Manager or Designee. The County Manager or Designee may also require turn lanes at adjacent or nearby intersections in lieu of, or in addition to, turn lanes at the development entrances.

Conditions which are to be considered in determining the need for turn lanes include the following:

a) If the property accessing the road is projected to generate 500 or more vehicle trips per day, or 50 or more vehicle trips in any hour;

b) If a traffic analysis indicates that turn lanes would be necessary to maintain capacity on fronting roads and/or on adjacent or nearby intersections.

c) If entrances are proposed at locations where grade, topography, site distance, traffic, or other unusual conditions indicate that turn lanes would be needed for traffic safety. The need for turn lanes to accommodate right turn movements and left turn movements shall be based upon anticipated traffic distribution and projected turning movement volumes among other considerations, including traffic safety.

C. ***Traffic Analysis***

1. Transportation Concurrency Management System

Transportation Concurrency Management System is administered by the Lake-Sumter Metropolitan Planning Organization (LSMPO). All information regarding traffic study could be found on LSPMO website www.lakesumtermpo.com/concurrency/index.aspx

D. ***Road Classification***

1. Arterial Roads

An arterial road is a route providing service which is relatively continuous and of relatively high traffic volume, long average trip length, high operating speed and of high mobility importance.

Arterial roads are grouped into the following sub-categories:

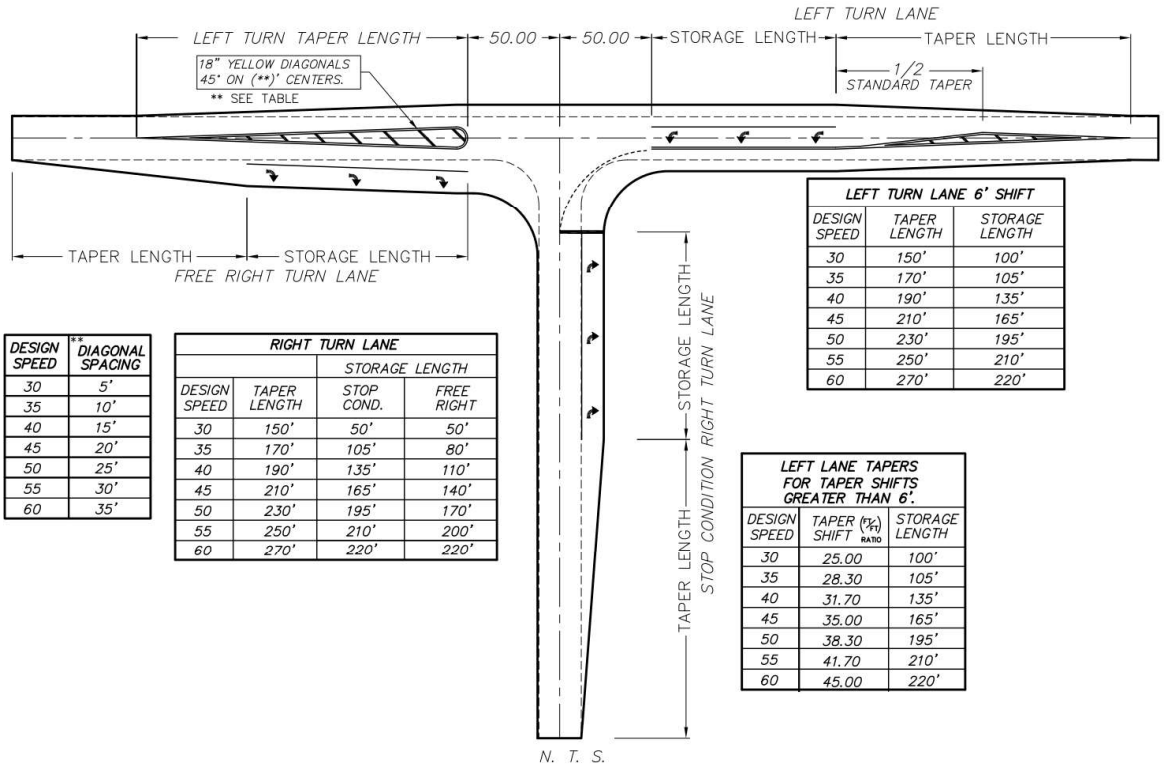
a) Principal Arterial
b) Minor Arterial

The classification of roads as arterials shall be based upon criteria established by the Florida Department of Transportation utilizing their most recent, adopted functional classification system.

2. Collector Roads

A collector road is a route providing services which is of relatively moderate traffic volume, moderate trip length and moderate operating speed. Collector roads collect and distribute the traffic between local roads and arterial roads and serves as a linkage between land access and mobility needs.

LAKE COUNTY STANDARD TURN LANES



DESIGN SPEED	** DIAGONAL SPACING
30	5'
35	10'
40	15'
45	20'
50	25'
55	30'
60	35'

RIGHT TURN LANE			
		STORAGE LENGTH	
DESIGN SPEED	TAPER LENGTH	STOP COND.	FREE RIGHT
30	150'	50'	50'
35	170'	105'	80'
40	190'	135'	110'
45	210'	165'	140'
50	230'	195'	170'
55	250'	210'	200'
60	270'	220'	220'

LEFT TURN LANE 6' SHIFT		
DESIGN SPEED	TAPER LENGTH	STORAGE LENGTH
30	150'	100'
35	170'	105'
40	190'	135'
45	210'	165'
50	230'	195'
55	250'	210'
60	270'	220'

LEFT LANE TAPERS FOR TAPER SHIFTS GREATER THAN 6'.		
DESIGN SPEED	TAPER SHIFT (W/Y1) RATIO	STORAGE LENGTH
30	25.00	100'
35	28.30	105'
40	31.70	135'
45	35.00	165'
50	38.30	195'
55	41.70	210'
60	45.00	220'

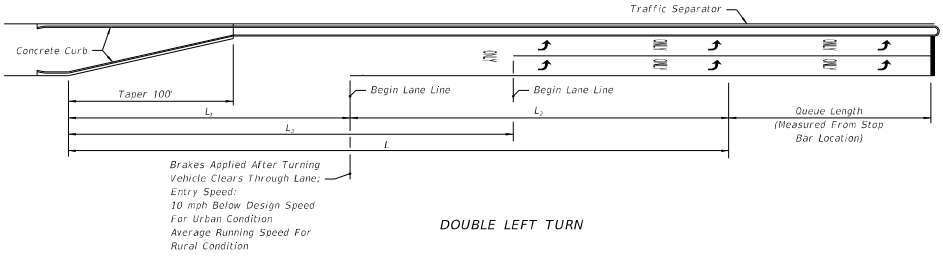
O:_CAD STANDARDS\DWG\Turn LanesR1.dwg (02/06/2007)

THIS SHOULD BE USED AS A GUIDE LINE ONLY.
ALL DESIGNS SHALL BE SUBMITTED FOR REVIEW.

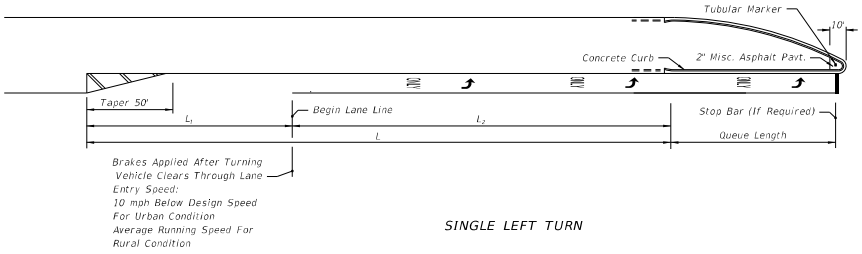
Typical Details

Appendix O
FDOT Design Manual Exhibit 212-1

MEDIAN TURN LANES
MINIMUM DECELERATION LENGTHS



DOUBLE LEFT TURN



SINGLE LEFT TURN

MEDIAN TURN LANES								
			URBAN CONDITIONS			RURAL CONDITIONS		
Design Speed (mph)	Entry Speed (mph)	Clearance Distance L_1 (ft.)	Brake To Stop Distance L_2 (ft.)	Total Decel. Distance L (ft.)	Clearance Distance L_3 (ft.)	Brake To Stop Distance L_2 (ft.)	Total Decel. Distance L (ft.)	Clearance Distance L_3 (ft.)
35	25	70	75	145	110	——	——	——
40	30	80	75	155	120	——	——	——
45	35	85	100	185	135	——	——	——
50	40/44	105	135	240	160	185	290	160
55	48	125	——	——	——	225	350	195
60	52	145	——	——	——	260	405	230
65	55	170	——	——	——	290	460	270

NOT TO SCALE

EXHIBIT 212-1
01/01/2022

Appendix B
Preliminary Development Plan

Appendix C
Lake County CMP Database and 2023 FDOT Q/LOS

Appendix D
Turning Movement Counts and Seasonal Factor Data

Appendix E
HCM Analysis Worksheets - Existing Conditions

Appendix F
ITE Trip Generation Sheets

Appendix G
CFRPM Model Output

Appendix H
LSMPO TIP and *LSMPO LOPP*

Appendix I
Vested Trips Data

Appendix J
AADT Model Plot

Appendix K
HCM Worksheets - Projected Conditions

Appendix L
Intersection Volume Projections

Appendix M
Background Conditions / Buildout Conditions with Mitigation

Appendix N

Lake County Land Development Code (LDC)

Appendix O
FDOT Design Manual Exhibit 212-1

Lake County School District
School Concurrency Application
& Service Provider Form

Growth Planning Dept.
201 West Burleigh Blvd.
Tavares, FL 32778
(352) 253-6690
Fax: (352) 253-6691

Instructions: Submit one copy of the completed application and applicable fee(s) for each new residential project requiring a concurrency determination of school capacity. A determination will be provided within thirty (30) working days of receipt of a complete application. A determination is not transferable and is valid for one year from date of issuance. Once the Development Order is issued, the concurrency determination shall be valid for the life of the Development Order upon verification of a final development order.

Please check (√) type of application (one only):
[x] Concurrency Capacity Reservation (site plan, subdivision, plat) [ ] Exemption [ ] Amendment [ ] Equivalency
[ ] Adequate School Facilities Determination (Comp Plan, Zoning) [ ] Letter of No Impact [ ] Time Extension
Fees: Concurrency Capacity Reservation ≤ 90 DU ($800) ≥ 91 DU ($1000);
Adequate School Facilities Determination ($500)
Amendment ($500); Equivalency ($500); Time Extension ($300)

PART 1: PROJECT INFORMATION

Include a copy of the site/subdivision plan, last recorded warranty deed and consent form or agent authorization

Project Name: (please include AKA's)	Mission Rise
Municipality:	Howey in the Hills
Parcel Identification Number (PIN):	27-20-25-0004-000-01200, 34-20-25-0001-000-00100, 34-20-25-0004-000-01003, and 02-21-25-0002-000-04800
Alternate Keys:	
Location / Address Of Subject Property:	Revels Rd / Silverwood Ln / 9842 Number Two Rd Howey in the Hills FL, 34737

DEVELOPMENT REQUEST:

Project Data	Type and Number of Units
Recently Annexed: Y or N No	Single Family X
Project Acreage: 241.3 +/- acres	Multi-Family
Total Number of Units: 409	Mobile Home
Will the Project be Phased?[1](Y/N): Yes	Age Restricted (Adults Only)[2]
Concurrency Service Area (CSA):	

[1] **If applicable, please attach a Phasing Plan showing the number and type of units to receive certificate of occupancy yearly.**
[2] **A Restrictive Covenant is required for age-restricted communities.**

OWNERSHIP/AGENT INFORMATION: NOTE: if an agent, please include an agent authorization/consent form

Owner's Name:	ASF TAP FL I LLC
Agent's Name:	Jason Humm
Mailing Address:	3565 Piedmont Rd NE Bldg. One, #200 Atlanta, GA 30305
Telephone Number:	630.816.7002 Fax Number:
Contact Email Address:	jhumm@turnstonegroup.com

I hereby certify the statements or information made in any paper or plans submitted herewith are true and correct to the best of my knowledge.

Owner/Agent Signature: **Date:** 2/19/2025

PART 2: TO BE COMPLETED BY LOCAL GOVERNMENT REVIEW

Date Application Filed:	Petition/Project Number:
Reviewed By:	Reviewers Title:

Government Representative Signature: **Date:**

PART 3: TO BE COMPLETED BY SCHOOL DISTRICT

Date & Time Received:	Case Number:
I verify that the project complies with the adopted Level of Service (LOS) for Schools	I verify that the project will comply with the adopted Level of Service (LOS) for Schools subject to the attached conditions
I cannot verify that the project will comply with the adopted Level of Service (LOS) for Schools	Payment Received:
District Representative:	**Date:**

Form revised 10/2/2017

March 11, 2025
Mission Rise – Preliminary Subdivision Plan
Engineering Review Comments

General

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

The survey at the east end along SR 19 conflicts with the surveys of the two outparcels. Copies of those surveys are attached. The survey will need to be corrected and the PSP modified to reflect the adjusted project boundary.

Traffic & Transportation

The connection of Revels Rd & SR 19 should reflect the proposed roundabout. Attached is the most recent concept plan for the intersection. Building the roundabout with the construction of Mission Rise is a provision in the Development Agreement. The town is working with FDOT to establish the roundabout as the town's preferred improvement to this intersection. Revise the plan to incorporate the roundabout.

Provide greater detail on the proposed connection to No. 2 Road. Include turn lane configuration, additional right-of-way dedication, trail accommodation along No. 2 Rd.

Roads

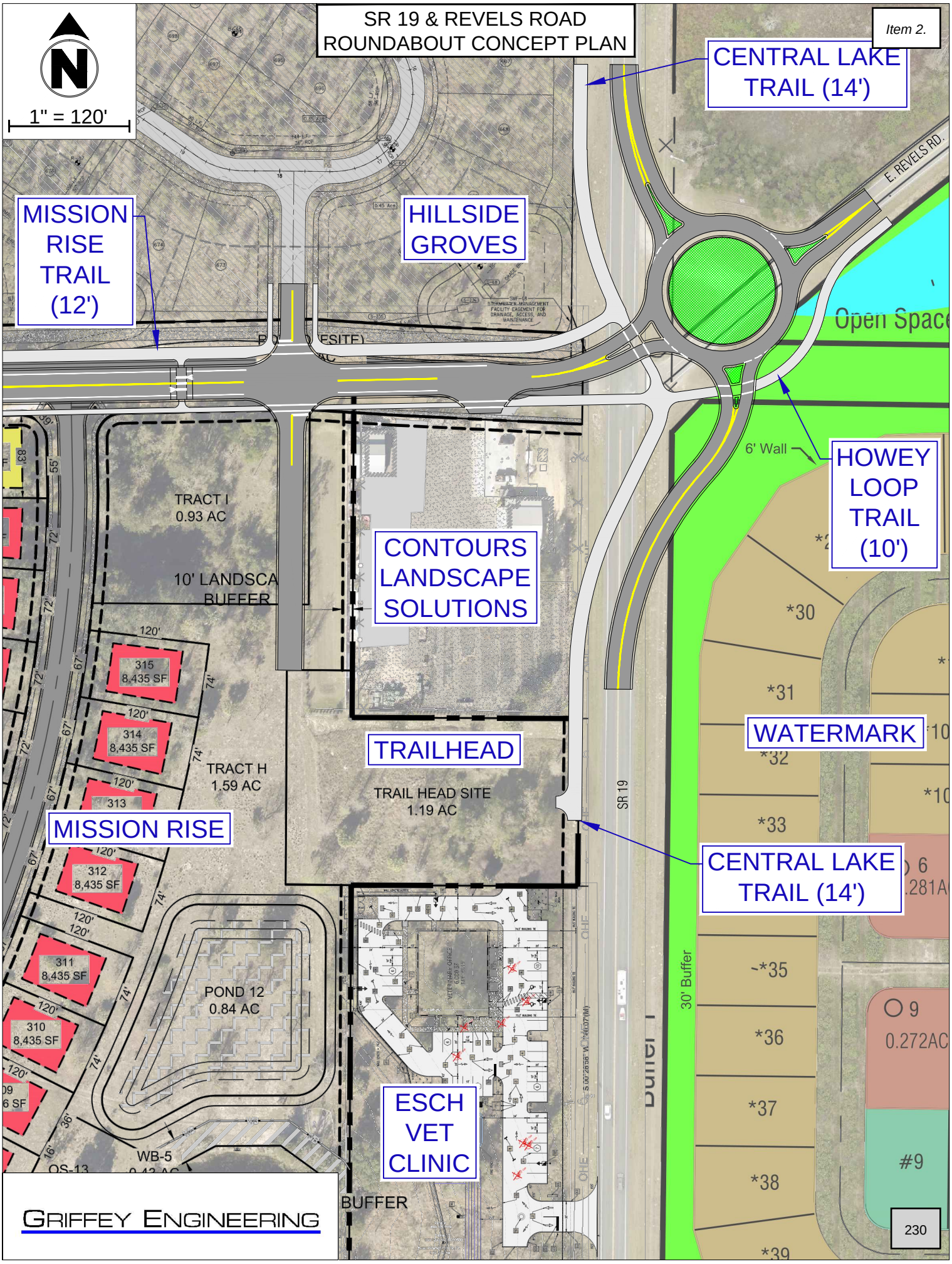
Mission Rise should be designed as a Complete Streets, pedestrian friendly community. The intersections of the residential streets need to provide full pedestrian accommodation. Pedestrians need to have clearly designated means (crosswalks & signage) to safely traverse an intersection from any corner to any other corner or side.

Intersection geometry and crosswalk layout needs to conform to the town standard (see Howey detail R-1A).

Revise the configuration of the Revels Road realignment to match the attached exhibit.

Revise the spine road to incorporate the comments in the attached markup.

SR 19 & REVELS ROAD ROUNDABOUT CONCEPT PLAN



GRIFFEY ENGINEERING

LAKE COUNTY SCHOOLS

201 West Burleigh Boulevard · Tavares · FL 32778-2496
(352) 253-6500 · Fax: (352) 253-6503 · *www.lake.k12.fl.us*

Superintendent:
Diane S. Kornegay, M.Ed.

School Board Members
District 1
Bill Mathias, MAOM
District 2
Tyler Brandeburg
District 3
Marc Dodd, M.Ed.
District 4
Mollie Cunningham
District 5
Stephanie Luke, Ed.D.

April 25, 2025

Jason Humm
ASF TAP FL I LLC
3565 Piedmont Rd NE Bldg. One, #200
Atlanta, GA 30305

RE: Mission Rise – Howey in the Hills
School Concurrency Capacity Reservation – LCS#2025-06, prior LCS2019005
Alternate Key Number 1030421, 1780616, 1780811, 3835991

Dear Mr. Humm:

The School District has reviewed the application information for the above referenced residential development. The application indicates 409 single family dwelling units. The proposed development is estimated to generate approximately 127 students.

Based on the information provided in the application the property is located within Concurrency Service Area (CSA) #10. The analysis performed indicates the students generated from this residential development will **not** exceed the level of service standards for each school level.

District staff has determined at this time that school capacity is now available to accommodate the project and will be reserved. **This capacity reservation is valid for one year from date of issuance.** In the event, a final development order is obtained within the year then this capacity reservation will be valid for the life of the project. Please notify the school district when the final development order is obtained in order to update the project records.

If you should require additional time to obtain the final approval, please notify District staff prior to the expiration date to discuss time extension options. Once the reservation expires, the capacity will be released and a new completed application and fee will be required. If you have any questions, please contact me at (352) 253-6696 or at croneyh@lake.k12.fl.us.

Sincerely,

Heather Croney
Growth Planning Department

Encl: SC Availability Determination

Thursday, April 24, 2025

Lake County Florida School Board CIP

School Concurrency Availability Determination

Project Name: Mission Rise PUD
Date Received: 2/6/2019
Case Number: LCS2025-06
Builder Name: ASF TAP FL I LLC
Location: South of Number Two Road and east of Silverwood Lane in Howey
241 acres

Project Planned Units:

 # Single Family: 409 **# Multi-Family:** 0
 # Townhomes: 0 **# Apartments:** 0

Additional Information:
2/1/2016- Town states that Phase 1 will include 120 SFDU.
2/6/19 Received SC application for 629 units in 3 phases
2/11/19 SC issued. Had to use adjacency for elem and high school levels to meet LOS.
3/25/19 - Town Council denied the project
4/4/19 suspended the reservation
10/17/22 City planner informed me that the original approval has expired
2/28/25 received SC app - new project number is LCS2025-06, old was LCS2019-05, now 409 DU rather than 629 prior

Project Unit Yield By Type of School

	Yield	Elem	Mid	High
Single Family	0.14	57		
Single Family	0.1			41
Single Family	0.072		29	

Service Area Analysis

Concurrency Service Area (CSA)	Current Capacity	Programmed Capacity	Total Capacity	Current Enrollment	Reserved Demand	Total Demand	Available Capacity	Project Demand
CSA #10 - Elementary	876	0	876	569	149	718	158	57
CSA #10 - Middle	1427	0	1427	982	159	1141	286	29
CSA #6 - High	1520	0	1520	1403	73	1476	44	41

Project Demand may differ from Project Yield by Type of School due to rounding