

DRIVEWAY CONNECTION PERMIT FOR ALL CATEGORIES

PART 1: PERMIT INFORMATION

APPLICATION NUMBER: 2023-A-595-00032

Permit Category: J - Government Entity Access Classification: 5

Project: New traffic signal (SR 40 at SW 46th/NW 44th Avenue)

Permittee: NOEL COOPER

Section/Mile Post: 110 / 23.03 State Road: 40

Section/Mile Post: / State Road:

PART 2: PERMITTEE INFORMATION

Permittee Name: NOEL COOPER

Permittee Mailing Address: 1805 NE 30th Avenue, Bldg 300

City, State, Zip: Ocala, Florida 34473

Telephone: (352) 351-6708 ext.

Engineer/Consultant/or Project Manager: Amber Gartner

Engineer responsible for construction inspection: NAME P.E. #

Mailing Address:

City, State, Zip:

Telephone: FAX, Mobile Phone, etc. Fax: / Mobile:

PART 3: PERMIT APPROVAL

The above application has been reviewed and is hereby approved subject to all Provisions as attached.

Permit Number: 2023-A-595-00032 Department of Transportation

Signature: Nicole Aiton Title: OPERATIONS PROGRAM ENGINEER

Department Representative's Printed Name Nicole Aiton

Temporary Permit [ ] YES [x] NO (If temporary, this permit is only valid for 6 months)

Special provisions attached [ ] YES [x] NO

Date of Issuance: 1/10/2025

If this is a normal (non-temporary) permit it authorizes construction for one year from the date of issuance. This can only be extended by the Department as specified in 14-96.007(6).

See following pages for General and Special Provisions

Approved 2023-A-595-00032 Nicole Aiton 1/10/2025

**PART 4: GENERAL PROVISIONS**

1. Notify the Department of Transportation Maintenance Office at least 48 hours in advance of starting proposed work.  
Phone: 3526727299 , Attention: Cepeda Raul
2. A copy of the approved permit must be displayed in a prominent location in the immediate vicinity of the connection construction.
3. Comply with Rule 14-96.008(1), F.A.C., Disruption of Traffic.
4. Comply with Rule 14-96.008(7), F.A.C., on Utility Notification Requirements.
5. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions.
6. The permittee shall not commence use of the connection prior to a final inspection and acceptance by the Department.
7. Comply with Rule 14-96.003(3)(a), F.A.C., Cost of Construction.
8. If a Significant Change of the permittee's land use, as defined in Section 335.182, Florida Statutes, occurs, the Permittee must contact the Department.
9. Medians may be added and median openings may be changed by the Department as part of a Construction Project or Safety Project. The provision for a median might change the operation of the connection to be for right turns only.
10. All conditions in NOTICE OF INTENT WILL APPLY unless specifically changed by the Department.
11. All approved connection(s) and turning movements are subject to the Department's continuing authority to modify such connection(s) or turning movements in order to protect safety and traffic operations on the state highway or State Highway System.
12. **Transportation Control Features and Devices in the State Right of Way.** Transportation control features and devices in the Department's right of way, including, but not limited to, traffic signals, medians, median openings, or any other transportation control features or devices in the state right of way, are operational and safety characteristics of the State Highway and are not means of access. The Department may install, remove or modify any present or future transportation control feature or device in the state right of way to make changes to promote safety in the right of way or efficient traffic operations on the highway.
13. The Permittee for him/herself, his/her heirs, his/her assigns and successors in interest, binds and is bound and obligated to save and hold the State of Florida, and the Department, its agents and employees harmless from any and all damages, claims, expense, or injuries arising out of any act, neglect, or omission by the applicant, his/her heirs, assigns and successors in interest that may occur by reason of this facility design, construction, maintenance, or continuing existence of the connection facility, except that the applicant shall not be liable under this provision for damages arising from the sole negligence of the Department.
14. The Permittee shall be responsible for determining and notify all other users of the right of way.
15. Starting work on the State Right of Way means that I am accepting all conditions on the Permit.

**PART 5: SPECIAL PROVISIONS**

NON-CONFORMING CONNECTIONS:     YES     NO

If this is a non-conforming connection permit, as defined in Rule Chapters 14-96 and 14-97, then the following shall be a part of this permit.

1. The non-conforming connection(s) described in this permit is (are) not permitted for traffic volumes exceeding the Permit Category on page 1 of this permit, or as specified in "Other Special Provisions" below.
2. All non-conforming connections will be subject to closure or relocation when reasonable access becomes available in the future.

OTHER SPECIAL PROVISIONS:

**Lane Closure Restrictions:**

**6 am - 6 pm EB & 6 am - 7 pm WB**

**PART 6: APPEAL PROCEDURES**

You may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. If you dispute the facts stated in the foregoing Notice of Intended Department Action (hereinafter Notice), you may petition for a formal administrative hearing pursuant to section 120.57(1), Florida Statutes. If you agree with the facts stated in the Notice, you may petition for an informal administrative hearing pursuant to section 120.57(2), Florida Statutes. You must file the petition with:

Clerk of Agency Proceedings  
Department of Transportation  
Haydon Burns Building  
605 Suwannee Street, M.S. 58  
Tallahassee, Florida 32399-0458

The petition for an administrative hearing must conform to the requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code, and be filed with the Clerk of Agency Proceedings by 5:00 p.m. no later than 21 days after you received the Notice. The petition must include a copy of the Notice, be legible, on 8 1/2 by 11 inch white paper, and contain:

1. Your name, address, telephone number, any Department of Transportation identifying number on the Notice, if known, the name and identification number of each agency affected, if known, and the name, address, and telephone number of your representative, if any, which shall be the address for service purposes during the course of the proceeding.
2. An explanation of how your substantial interests will be affected by the action described in the Notice;
3. A statement of when and how you received the Notice;
4. A statement of all disputed issues of material fact. If there are none, you must so indicate;
5. A concise statement of the ultimate facts alleged, including the specific facts you contend warrant reversal or modification of the agency's proposed action, as well as an explanation of how the alleged facts relate to the specific rules and statutes you contend require reversal or modification of the agency's proposed action;
6. A statement of the relief sought, stating precisely the desired action you wish the agency to take in respect to the agency's proposed action.

If there are disputed issues of material fact a formal hearing will be held, where you may present evidence and argument on all issues involved and conduct cross-examination. If there are no disputed issues of material fact an informal hearing will be held, where you may present evidence or a written statement for consideration by the Department.

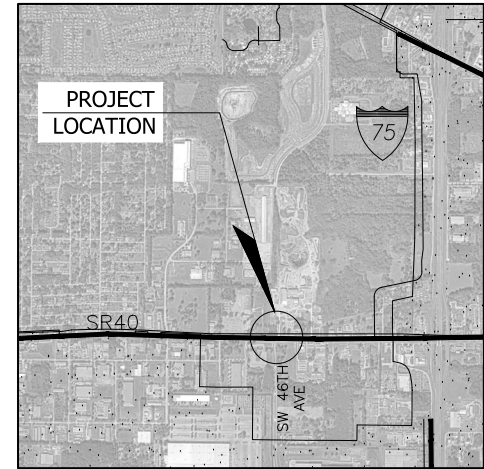
Mediation, pursuant to section 120.573, Florida Statutes, may be available if agreed to by all parties, and on such terms as may be agreed upon by all parties. The right to an administrative hearing is not affected when mediation does not result in a settlement.

Your petition for an administrative hearing shall be dismissed if it is not in substantial compliance with the above requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code. If you fail to timely file your petition in accordance with the above requirements, you will have waived your right to have the intended action reviewed pursuant to chapter 120, Florida Statutes, and the action set forth in the Notice shall be conclusive and final.

Approved  
11/10/2025  
Nicole Aiton  
1/10/2025



CITY OF OCALA  
 OFFICE OF THE CITY ENGINEER  
**SR 40 AT SW 46TH AVENUE  
 STRAIN POLE  
 SIGNALIZATION PLANS  
 PERMIT PLANS - DECEMBER 2024  
 (NOT FOR CONSTRUCTION)**



**PROJECT LOCATION MAP**

(NOT TO SCALE)  
 SECTIONS: 15; TOWNSHIP: 15 SOUTH; RANGE: 21 EAST  
 MARION COUNTY, FLORIDA

UTILITY COMPANIES		
UTILITY COMPANY	CONTACT PERSON	PHONE NUMBER
TECO PEOPLES GAS	LANDON MEAHL	(407) 408-5566
LUMEN LOCAL	JOHN PLAMONDON	(352) 425-4444
COX	BRIAN WILLIAMS	(352) 996-8107
CITY OF OCALA WATER & SEWER	STACEY FERRANTE	(352) 351-6775
CITY OF OCALA FIBER	OSHANE PARKER	(352) 401-6950
CITY OF OCALA ELECTRIC	STEVE SHORT	(352) 374-3274
CITY OF OCALA TRAFFIC	NICK BLIZZARD	(352) 351-6733

INDEX OF PLANS	
SHEET NUMBER	SHEET DESCRIPTION
T-01	KEY SHEET
T-02	SIGNATURE SHEET
T-03	GENERAL NOTES & QUANTITIES
T-04	GENERAL NOTES & QUANTITIES
T-05	INTERSECTION IMPROVEMENT PLAN
T-06	GRADING PLAN
T-07	TEMPORARY PEDESTRIAN CONTROL
T-08, T-09	SIGNALIZATION PLAN
T-10	IMC DETECTION & MOUNTING DIAGRAM
T-11	SPAN TABULATION
T-12	STRAIN POLE ASSEMBLIES DATA TABLE
T-13	DETECTOR CHART
T-14	CABINET & WIRING DETAIL
T-15	GUIDESIGN WORKSHEETS
T-16	INTERCONNECT PLAN
T-17	SOIL BORING MAP & LOGS
L-01	LIGHTING QUANTITIES
L-02	LIGHTING NOTES AND SERVICE POINT DETAILS
L-03	LIGHTING POLE DATA AND LEGEND
L-04	LIGHTING PLAN

SR 40 POSTED/DESIGN SPEED = 50 MPH  
 SW 46TH AVE POSTED/DESIGN SPEED = 45 MPH  
 NW 46TH AVE POSTED/DESIGN SPEED = 40 MPH

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	947	0.179
BRIDGES	N/A	N/A
NET LENGTH OF PROJECT	N/A	N/A
EXCEPTIONS	N/A	N/A
GROSS LENGTH OF PROJECT	N/A	N/A

**CITY OFFICIALS**

MAYOR - BEN MARCIANO  
 DISTRICT 1 - COUNCIL PRESIDENT BARRY MANSFIELD  
 DISTRICT 2 - COUNCIL MEMBER IRE BETHEA, SR.  
 DISTRICT 3 - COUNCIL MEMBER JAY MUSLEH  
 DISTRICT 4 - COUNCIL PRESIDENT PRO-TEM KRISTEN DREYER  
 DISTRICT 5 - COUNCIL MEMBER JAMES HILTY, SR.  
 CITY ENGR./ENGINEERING DIRECTOR - SEAN LANIER, P.E., CFM

**CONSTRUCTION REFERENCES**

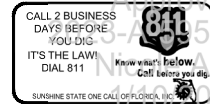
BID SPECIFICATIONS AND CONTRACT  
 CITY OF OCALA LAND DEVELOPMENT CODE, LATEST EDITION  
 CITY OF OCALA STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STREETS,  
 STORMWATER, TRAFFIC, WATER AND SEWER INFRASTRUCTURE, JANUARY 2024  
 FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, FY 2024-25  
 FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, FY 2024-25  
 MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND  
 MAINTENANCE FOR STREETS AND HIGHWAYS (FLORIDA GREENBOOK), FDOT, 2018  
 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2009  
 EDITION, INCLUDING REVISIONS 1 AND 2 USDOT, FHWA  
 FDOT DISTRICT 5 - SMART SIGNAL DESIGN GUIDANCE APRIL, 2023

**ENGINEER'S CERTIFICATION**

I HEREBY CERTIFY THAT THE WORK PROPOSED BY THESE PLANS  
 COMPLIES WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS  
 AS REQUIRED BY THE LAND DEVELOPMENT CODE OF MARION COUNTY,  
 FLORIDA, AND FDOT STANDARD PLANS EXCEPT AS NOTED OR SHOWN.

AMBER L. GARTNER, P.E.  
 KIMLEY-HORN AND ASSOCIATES, INC. (REGISTRY 35106)  
 1700 SE 17TH STREET, SUITE 200  
 OCALA, FLORIDA 34471  
 FLORIDA P.E. NO. 72294

SIGNATURE \_\_\_\_\_



Drawing name: K:\OCALA\42371945-SR 40 at SW 46th Signal Design\CAD\PlanSheets\ TITLE SHEET\_ALE B.dwg T-01 KEY SHEET Date: 12-13-2024 11:52am by: Mohammed Eshki  
 This document, together with the contracts and design presented herein, is an instrument of service. It is intended to be used only for the specific project and shall not be used for any other project without the written authorization and signature of the Engineer and Association, Inc.

REVISIONS	DATE	DESCRIPTION
NOT FOR CONSTRUCTION		

NAME	DATE	DRAWN BY	REVIEWED BY
AMBER L. GARTNER, P.E.			

CITY OF OCALA	OCALA, FLORIDA
OFFICE OF THE CITY ENGINEER	1805 NE 30TH AVE, BUILDING 060
	OCALA, FL 34470

**OCALA**  
 Find your place

**Kimley-Horn**  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1700 SE 17TH STREET, SUITE 200  
 OCALA, FLORIDA 34471  
 P.E. NO. 72294

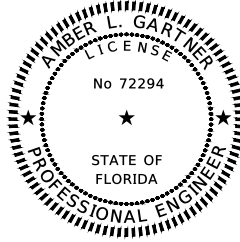
SR 40 AT SW 46TH AVENUE STRAIN POLE SIGNALIZATION PLANS  
 KEY SHEET

SHEET T-01



Drawing name: K:\OCA\_CAD\42371945-SR\_40 at SW 40th\_Signal Design\CAD\PlanSheets\2 SIGNATURE SHEET ALT B.dwg T-02 SIGNATURE SHEET Dec-13, 2024 11:53am by Mohammed Edah  
 This document, together with the drawings and design presented herein, is an instrument of service. It is issued only for the specific project and shall be used only for that project. Reproduction or use of any part hereof without the written consent of the engineer and/or architect is prohibited.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

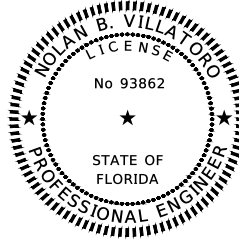
Amber L Gartner

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 THE ELECTRONIC COPIES.

KIMLEY-HORN AND ASSOCIATES, INC.  
1700 SE 17TH STREET, SUITE 200  
OCALA, FL 34471  
REGISTRY 35106  
AMBER L. GARTNER, P.E. NO. 72294

THE ABOVE NAMED PROFESSIONAL ENGINEER WILL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-01	KEY SHEET
T-02	SIGNATURE SHEET
T-03, T-04	GENERAL NOTES & QUANTITIES
T-05	INTERSECTION IMPROVEMENT PLAN
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L-02	LIGHTING NOTES AND SERVICE POINT DETAILS
L-03	LIGHTING POLE DATA AND LEGEND
L-04	LIGHTING PLAN



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Nolan B Villatoro

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 THE ELECTRONIC COPIES.

KIMLEY-HORN AND ASSOCIATES, INC.  
189 SOUTH ORANGE AVENUE, SUITE 1000,  
ORLANDO, FL 32801  
REGISTRY 35106  
NOLAN B. VILLATORO, P.E. NO. 93862

THE ABOVE NAMED PROFESSIONAL ENGINEER WILL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-02	SIGNATURE SHEET
T-12	STRAIN POLE ASSEMBLIES DATA TABLE

Approved  
2023-A-595-  
Nicole A  
1/10/20

REVISIONS	DATE	DESCRIPTION
		NOT FOR CONSTRUCTION

NAME	DATE	BY	FOR
AMBER L. GARTNER, P.E.			

CITY OF Ocala	OFFICE OF THE CITY ENGINEER
OCALA, FLORIDA	1805 NE 30TH AVE, BUILDING 060
	OCALA, FL 32803

OCALA
Find your plate

Kimley-Horn
2024 Ocala, FL
1900 E. UNIVERSITY AVENUE, SUITE 200
ORLANDO, FL 32803

SIGNATURE SHEET
SIGNATURE SHEET

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES

- 1. THE MAINTAINING AGENCY IS CITY OF OCALA.
2. THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STREETS, STORMWATER, TRAFFIC, WATER, AND SEWER INFRASTRUCTURE (JANUARY 2024), THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD); THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (FY 2024-25) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD CONSTRUCTION (FY 2024-25), AND ALL SUPPLEMENTS APPLICABLE THERETO.
3. ALL WORK SHALL CONFORM TO SECTION 34 41 13 TRAFFIC SIGNALS, OF THE CITY OF OCALA STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STREETS, STORMWATER, TRAFFIC, WATER, AND SEWER INFRASTRUCTURE.
4. THESE PLANS REFLECT CONDITIONS KNOWN AT THE TIME OF PLAN DEVELOPMENT. IN THE EVENT THAT ACTUAL FIELD CONDITIONS PREVENT THE APPLICATION OF THESE PLANS AND/OR THE SPECIFICATIONS OR THE PROGRESSION OF THE WORK SPECIFIED IN THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CITY OF OCALA ENGINEER'S OFFICE IMMEDIATELY AND PRIOR TO ANY FURTHER EXECUTION OF THE WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY LOCATION COORDINATION EFFORTS AS REQUIRED BY OSHA AND FLORIDA STATUTE REGARDING PROTECTION OF EXISTING UTILITIES. THE CONTRACTOR IS REMINDED THAT NOT ALL UTILITY PROVIDERS ARE SUBSCRIBERS TO THE SUNSHINE STATE ONE-CALL SYSTEM, AND IT SHALL BE INCUMBENT UPON THE CONTRACTOR TO MAKE EVERY EFFORT TO ENSURE THAT ALL UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY DEPARTMENT AT LEAST TWO (2) BUSINESS DAYS IN ADVANCE OF POLE SETTING AND OPERATIONS WHERE CONFLICT WITH OVERHEAD ELECTRICAL UTILITIES IS EXPECTED, WITH TRENCHING OPERATIONS, OR ANYWHERE UTILITY CONFLICTS MAY BE ENCOUNTERED.
7. CONTRACTOR SHALL NOTIFY TECO A MINIMUM OF 2 BUSINESS DAYS IN ADVANCE OF WORK BEING DONE WITHIN 3 FEET OF AN ACTIVE GAS MAIN FOR TECO OPERATIONS PERSONNEL TO BE ON SITE DURING WORK FOR PROTECTION OF THEIR UTILITIES TO REMAIN IN PLACE.
8. IN THE EVENT OF CONFLICT WITH THE CROSSING OF EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL ADJUST THE DEPTH OF PROPOSED CONDUIT AS INSTRUCTED BY THE ENGINEER IN CHARGE TO PROVIDE VERTICAL SEPARATION PER PREVAILING STANDARDS.
9. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT OCALA ELECTRIC UTILITY TO CONFIRM SAFETY PREPARATIONS AND CLEARANCE REQUIREMENTS WHEN WORKING NEAR OVERHEAD ELECTRIC LINES. CONTRACTOR TO INSTALL NON-CONDUCTIVE INSULATORS WHERE CATENARY WIRE CROSSES OVERHEAD POWER CONDUCTORS. CONTRACTOR TO COORDINATE WITH OCALA ELECTRIC UTILITY PRIOR TO PROCUREMENT OF MATERIALS TO CONFIRM REQUIREMENTS FOR CROSSING OF THE ELECTRIC LINES.
10. AS PER FDOT DISTRICT 5 REQUIREMENTS, THE CONTRACTOR SHALL HAND DIG THE FIRST 4' AT EACH POLE LOCATION AND THE FIRST 2' AT EACH PEDESTAL LOCATION.
11. THE CONTRACTOR SHALL NOTIFY CITY OF OCALA AT LEAST SEVEN (7) BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.
12. CONTRACTOR SHALL APPLY FOR A RIGHT-OF-WAY UTILIZATION PERMIT, AT LEAST 5 BUSINESS DAYS PRIOR TO STARTING WORK DATE, FOR ANY WORK BEING DONE WITHIN THE CITY'S RIGHT-OF-WAY.
13. IN THE EVENT THAT TRAFFIC SIGNAL CONSTRUCTION ACTIVITY AT THE INTERSECTION REQUIRES CLOSURE OF A LANE OR LANES, THE CONTRACTOR SHALL PROCURE THE SERVICES OF TRAFFIC CONTROL OFFICER TO DIRECT TRAFFIC FOR THE DURATION OF THE CLOSURE(S). PAYMENT FOR THE OFFICER SHALL BE INCIDENTAL TO THE WORK AND WILL NOT BE PAID SEPARATELY.
14. ALL MAINTENANCE OF TRAFFIC FOR THIS INSTALLATION SHALL CONFORM TO THE FDOT STANDARD INDEX(ES) 102-600 THROUGH 102-670 THAT ARE MOST APPLICABLE TO THE INTENT OF THE CONSTRUCTION ACTIVITY IN PROGRESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC FOR THE DURATION OF THIS PROJECT.
15. VARIABLE MESSAGE SIGNS SHALL BE INSTALLED ON SR 40, SW 46TH AVENUE, AND NW 46TH AVENUE 500 FEET IN ADVANCE OF THE TRAFFIC SIGNAL. THE SIGNS SHALL BE ACTIVATED ON THE DAY THE SIGNAL IS TURNED ON AND WILL OPERATE FOR 14 DAYS. THE MESSAGE SHALL BE "NEW SIGNAL AHEAD" "BE PREPARED TO STOP".
16. CONTRACTOR IS REQUIRED TO HAVE AN I.M.S.A. LEVEL II SIGNAL TECHNICIAN ON SITE THROUGH ALL PHASES OF CONSTRUCTION AND ON CALL WITH A 2 HOUR MAXIMUM RESPONSE TIME.
17. THE CONTRACTOR IS REQUIRED TO INSPECT THE INSTALLATION OF THE TRAFFIC SIGNALS IN ACCORDANCE WITH FDOT SPECIFICATION 105-8.10. THE CONTRACTOR SHALL COORDINATE THE FINAL ACCEPTANCE INSPECTION IN ACCORDANCE WITH FDOT SPECIFICATION 611-2.2. CONTRACTOR TO CONTACT FDOT TRAFFIC OPS TRAFFIC SIGNAL QC MANAGER AT 386-943-5329 10 DAYS PRIOR TO SIGNAL TURN ON AND ENSURE FDOT TRAFFIC OPS WILL BE AT THE SIGNAL TURN ON. CONTRACTOR TO CONTACT FDOT STRUCTURES AT 386-740-3463 10 DAYS PRIOR TO SIGNAL TURN ON TO SCHEDULE AN INSPECTION. THE CITY OF OCALA PUBLIC WORKS DEPARTMENT ((352)351-6733) AND THE FDOT PERMIT OFFICE SHOULD ALSO BE CONTACTED AT LEAST TEN DAYS BEFORE THE INSPECTION IS TO BE PERFORMED SO THEY MAY BE PRESENT.
18. DURING NON-WORKING HOURS, THE CONTRACTOR SHALL NOT STORE ANY MATERIALS OR PARK ANY EQUIPMENT WITHIN 30 FEET OF THE EDGE OF THE TRAVELED WAY. IF THE ABOVE IS NOT POSSIBLE, THE CONTRACTOR SHALL APPPOINT AN APPROVED STORAGE AREA AND SUCH AREA SHALL BE PROPERLY DELINEATED AND ADVANCE WARNING SHALL BE UTILIZED.
19. PER FDOT STANDARD SPECIFICATIONS, ALL FIELD WIRING SHALL BE CLEARLY IDENTIFIED WITH WEATHERPROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE. THE CONTRACTOR SHALL SUBMIT THE PROPOSED TAGGING SYSTEM WITH THE SUBMITTALS PACKAGE AS REQUIRED FOR PERMIT JOBS.
19. PRIOR TO FINAL ACCEPTANCE BY THE CITY, SUBMIT TO THE CITY TRAFFIC ENGINEER TWO (2) COMPLETE AND COMPREHENSIVE SETS OF AS-BUILT PLANS ON TWENTY-FOUR INCH BY THIRTY-SIX INCH (24"x36") PLAN SHEETS AND ONE ELECTRONIC FILE COPY ON READABLE CD. AS-BUILT DRAWINGS SHALL ACCURATELY REFLECT THE ACTUAL, AS-BUILT CABINET IN THE FIELD AND SHALL IDENTIFY THE FOLLOWING INFORMATION.
a. ABANDONED AND UNUSED PULL BOXES SHALL BE CLEARLY LABELED. DISTANCES FROM THE INTERSECTION OF EACH INSTALLED PULL BOX SHALL BE MEASURED FROM THE PERPENDICULAR EDGE OF CURB AND FROM THE EDGE OF THE NEAREST CURB TO INDICATE LOCATION IN RELATION TO THE ROADWAY.
b. THE INSTALLED CONDUIT'S SIZE AND NUMBER OF RUNS SHALL BE CLEARLY NOTED AS WELL AS THE DISTANCE AWAY FROM THE NEAREST CURB.
c. IF INSTALLED, THE LOCATION OF SIGNAL POLES, CONTROLLER CABINET, UNINTERRUPTIBLE POWER SUPPLY AND BATTERY BACKUP CABINET, COMMUNICATION CABLE, VIDEO DETECTION CAMERAS AND CABLE, ITS CAMERAS AND CABLE, OVERHEAD MOUNTED STREET NAME SIGNS, LIGHTED OR NON-LIGHTED AND CABLE RUNS, AND POWER CABLE SHALL BE SHOWN ON THE PLANS.
d. TWO (2) SETS OF SIGNAL WIRING COLOR CODE FORMS SHALL BE INCLUDED WITH THE AS-BUILT PLANS
e. CONTRACTOR SHALL CORRECT ANY ERRORS TO THE AS-BUILT PLANS UPON REVIEW BY THE ENGINEER BEFORE FINAL ACCEPTANCE IS COMPLETE.
20. THE CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSPECTION FROM THE MANUFACTURER THAT THE EQUIPMENT AND MATERIALS TO BE SUPPLIED HAVE BEEN INSPECTED AT THE PLANT AND MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THESE CERTIFICATES SHALL BE SUBMITTED PRIOR TO BEGINNING WORK.
21. THE CABINET DOOR SHALL BE ORIENTED SO THAT THE DOOR OPENS AWAY FROM THE INTERSECTION.
22. THREE SPARE CONDUCTORS PER SIGNAL CABLE ARE REQUIRED. SPARES SHALL BE BOUND TOGETHER AND GROUNDED TO THE BUS GROUNDING FACILITY IN THE CONTROLLER CABINET.
23. ALL TRAFFIC SIGNAL HEAD ASSEMBLIES SHALL HAVE A MINIMUM LOW POINT OF CLEARANCE OF 17.5' AND A MAXIMUM HIGH POINT OF CLEARANCE OF 19' FROM THE BOTTOM OF THE ASSEMBLY TO THE ROADWAY.
24. THE CONTRACTOR SHALL VERIFY COLOR CODES WITH CITY OF OCALA FOR THE SIGNAL CABLE CONDUCTORS PRIOR TO ORDERING.
25. CONCRETE STRAIN POLES SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH INDEX 641-010 OF THE FDOT FY 2024-25, STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.
26. CIRCULAR DRIP LOOPS (MINIMUM ONE CIRCLE) ARE TO BE PROVIDED AT ALL AERIAL DISCONNECT HANGERS, INTERCONNECT JUNCTION BOX, ELECTRICAL SIGN, AND POLE LOCATIONS.
27. CABLE GRIP SHALL BE OF SUFFICIENT SIZE TO NOT COMPROMISE THE INSULATION ON THE SIGNAL CABLE.
28. ALL CABLE SHALL BE PULLED IN THE CONDUIT WITH A CABLE GRIP DESIGNED TO PROVIDE A FIRM HOLD ON THE EXTERIOR COVERING OF THE CABLE. A WINCH WITH A SLIP CLUTCH SHALL BE USED TO ENSURE THAT THE ALLOWABLE TENSION IS NOT EXCEEDED. AN APPROVED LUBRICANT SHALL BE USED TO FACILITATE THE PULLING OF THE CABLE.

ADA NOTES

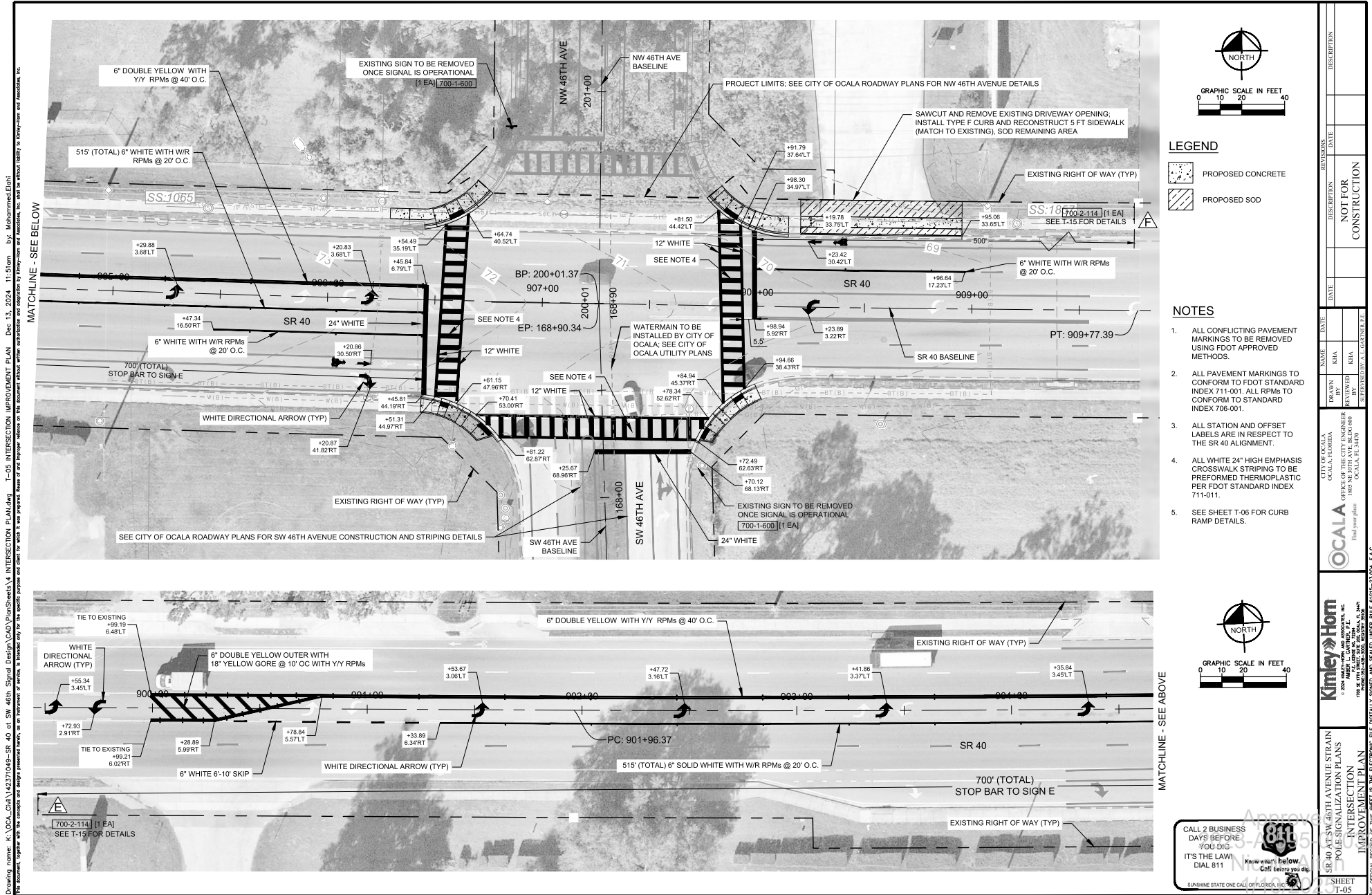
- 1. THE PROJECT SHALL BE CONSTRUCTED TO MEET CURRENT ADA STANDARD FOR ACCESSIBLE DESIGN.
2. CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.
3. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES EXIST ALONG SIDEWALKS, CROSSWALKS, AND ACCESSIBLE ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP SLOPE EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK OR CROSSWALK CROSS SLOPE EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPE EXCEED 5.0 PERCENT.
4. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.

Drawings name: K:\OCALA\CA\142371949-SR 40 at SW 46th Signal Design\CAD\Drawings\3 GENERAL NOTES AND QUANTITIES ALL BIDDING E-03 GENERAL NOTES & QUANTITIES Dec 13, 2024 11:35:58m By: Mohammed Eblhi

Table with columns: REVISIONS, DESCRIPTION, DATE, NAME, DRAWN BY, REVIEWED BY, SUBMITTED BY, CITY OF OCALA, OFFICE OF THE CITY ENGINEER, KIMLEY-HORN AND ASSOCIATES, INC., SR 40 AT SW 46TH AVENUE STRAIN POLE SIGNALIZATION PLANS GENERAL NOTES & QUANTITIES, SHEET T-03

Approved 2023-A-595- Nicole A 1/10/20





Drawing name: K:\OCA\_CAD\142371949-SR 40 at SW 46th\_Signals\_Design\CAD\PlanSheets\4 INTERSECTION PLAN.dwg T-05 INTERSECTION IMPROVEMENT PLAN Dec 13, 2024 11:51am by: Mohammed Elshah  
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SUNSHINE STATE ONE CALL OFFICIAL, INC.

REVISIONS	DATE	DESCRIPTION

NAME	DATE	DATE	DATE
DRAWN BY	REVIEWED BY	DATE	DATE

NOT FOR CONSTRUCTION

**Kimley-Horn**

2024 Ocala, FL  
 1805 NE 30TH AVENUE, BUILDING 060  
 Ocala, FL 34470  
 Phone: 352.236.7300, 352.236.7301  
 Fax: 352.236.7302, 352.236.7303

CITY OF OCALA  
 Ocala, Florida  
 OFFICE OF THE CITY ENGINEER  
 1805 NE 30TH AVENUE, BUILDING 060  
 Ocala, FL 34470  
 Filed over plan

SR 40 AT SW 46TH AVENUE STRAIN POLE SIGNALIZATION PLANS INTERSECTION IMPROVEMENT PLAN

SHEET T-05

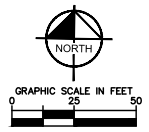
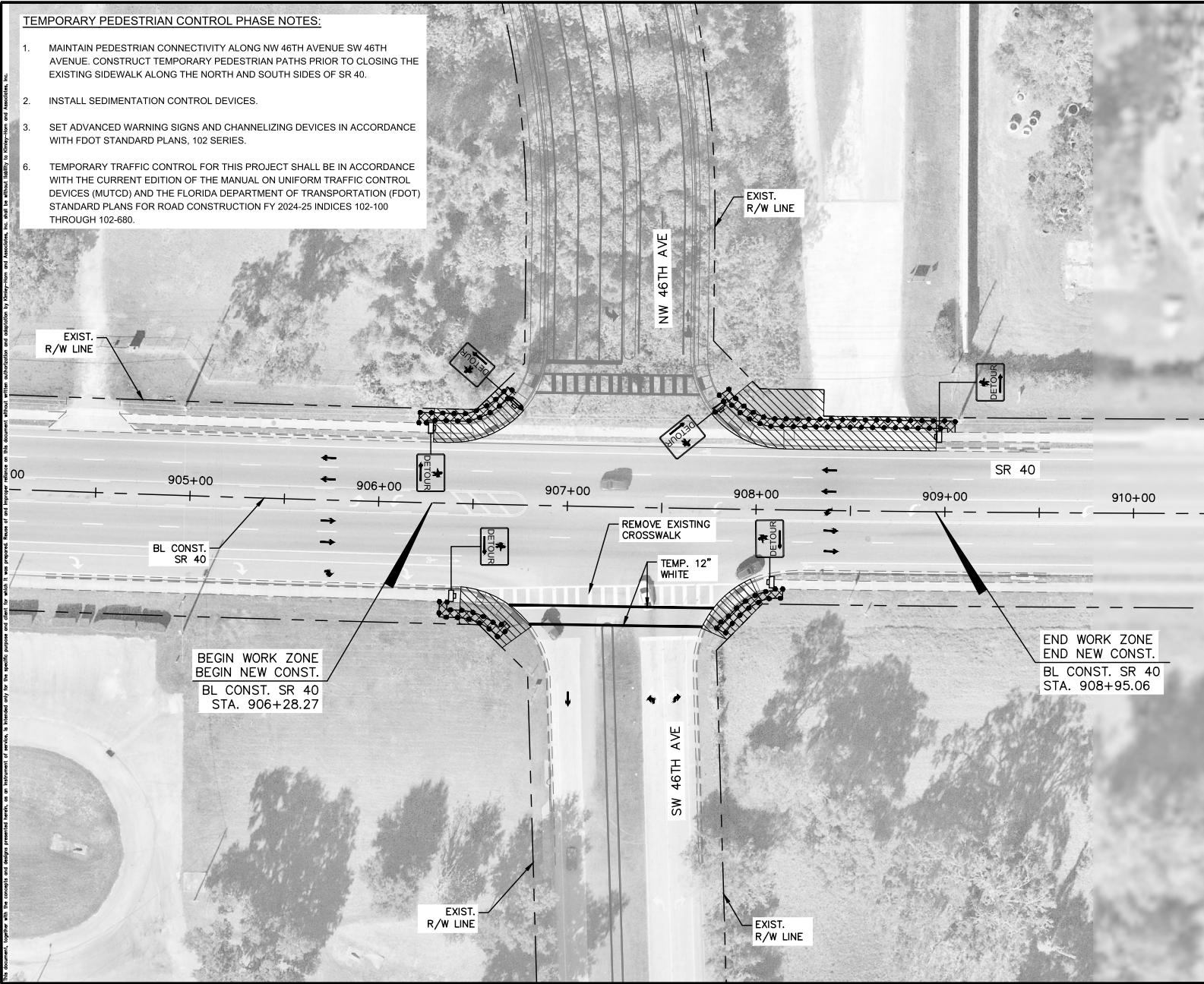




**TEMPORARY PEDESTRIAN CONTROL PHASE NOTES:**

1. MAINTAIN PEDESTRIAN CONNECTIVITY ALONG NW 46TH AVENUE SW 46TH AVENUE. CONSTRUCT TEMPORARY PEDESTRIAN PATHS PRIOR TO CLOSING THE EXISTING SIDEWALK ALONG THE NORTH AND SOUTH SIDES OF SR 40.
2. INSTALL SEDIMENTATION CONTROL DEVICES.
3. SET ADVANCED WARNING SIGNS AND CHANNELIZING DEVICES IN ACCORDANCE WITH FDOT STANDARD PLANS, 102 SERIES.
6. TEMPORARY TRAFFIC CONTROL FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS FOR ROAD CONSTRUCTION FY 2024-25 INDICES 102-100 THROUGH 102-680.

Drawing name: K:\OCA\_CAD\42371949-SR 40 at SW 46th Signal Design\CAD\PlanSheets\42 TPC.dwg Dec 13, 2024 11:51 am by: Mohammed Elshah  
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- LEGEND:**
- WORK ZONE
  - TEMPORARY PAVEMENT
  - PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)
  - WORK ZONE SIGN
  - DIRECTION OF TRAFFIC

BEGIN WORK ZONE  
BEGIN NEW CONST.  
BL CONST. SR 40  
STA. 906+28.27

END WORK ZONE  
END NEW CONST.  
BL CONST. SR 40  
STA. 908+95.06

NOTE: THIS IS A CONCEPT ONLY. CONTRACTOR IS RESPONSIBLE FOR PREPARING A DETAILED TEMPORARY TRAFFIC CONTROL PLAN.

SIGN NOTE: EXISTING SIGNS TO REMAIN UNLESS IN CONFLICT WITH PEDESTRIAN CONTROL PLAN. IF A CONFLICT EXISTS, THE SIGN SHALL BE REMOVED AND/OR COVERED UNTIL THE CONFLICT NO LONGER EXISTS.

DATE	DESCRIPTION	REVISIONS
	NOT FOR CONSTRUCTION	

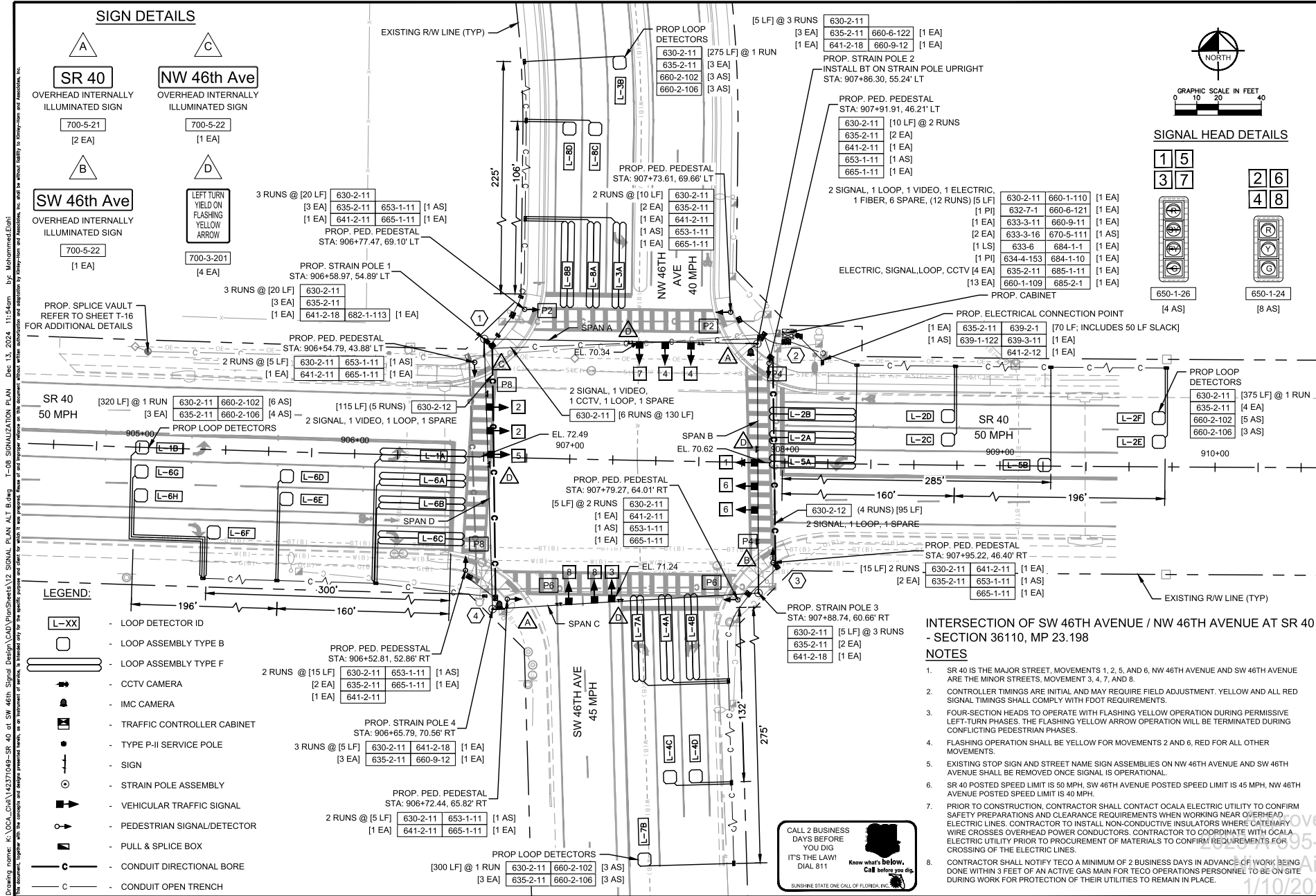
NAME	DATE	BY
DRAWN BY	REVIEWED BY	DATE
CITY OF OCALA	OCALA, FLORIDA	OFFICE OF THE CITY ENGINEER
1805 NE 30TH AVE, BUILDING 060	OCALA, FL 32067	FILED UNDER PLAN NO. 2023-00032

<b>Kimley-Horn</b>
2024 Ocala, FL and Associates, Inc.
1900 E. UNIVERSITY AVENUE, SUITE 200
ORLANDO, FL 32806

APPROVED	DATE
SR 40 AT SW 46TH AVENUE STRAIN POLE SIGNALIZATION PLANS TEMPORARY PEDESTRIAN CONTROL	2024-11-28



Drawing name: K:\OCA\CA\142371949-SR 40 at SW 46th Signal Design\CAD\Drawings\SIG\PLAN ALI B.dwg Date: 13, 2024 11:54am By: Mohammed Elghayour  
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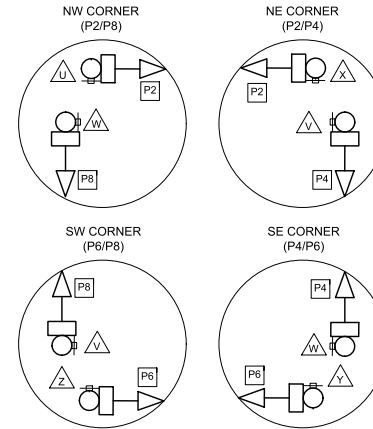
NO.	DATE	DESCRIPTION	BY	CHKD	APP'D
1		NOT FOR CONSTRUCTION			

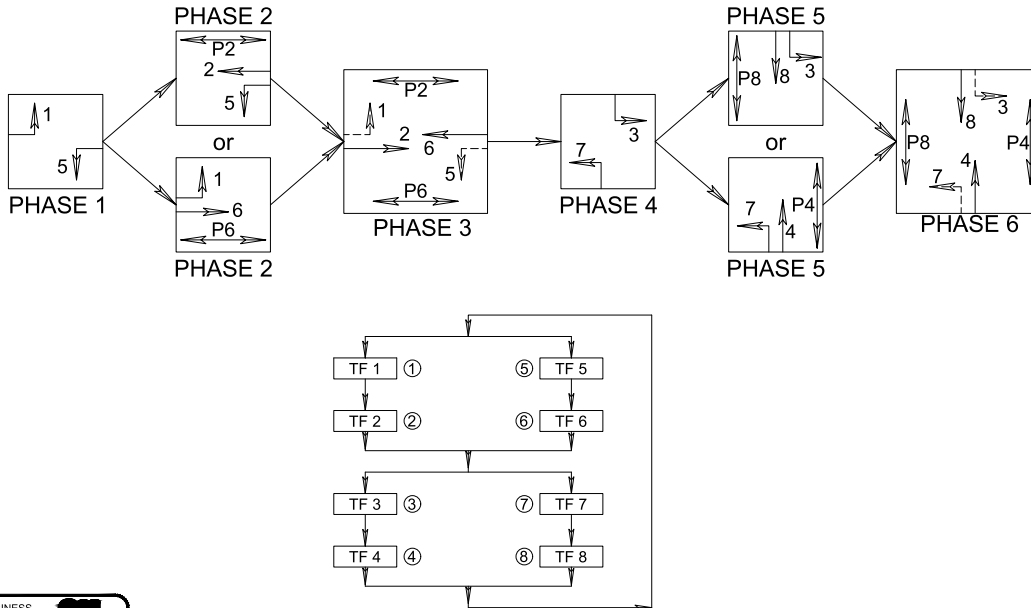
NAME	DATE	DESCRIPTION	REVISIONS
CITY OF OCALA OCALA, FLORIDA OFFICE OF THE CITY ENGINEER 1805 NE NORTH AVENUE, BUILDING 060 OCALA, FL 32067 Find your plate OCALA-FL-14640			
DRAWN BY	REVIEWED BY	DATE	NO.
KIMLEY-HORN AND ASSOCIATES, INC. 2500 ANDERSON ROAD, SUITE 100 FORT LAUDERDALE, FL 33309 PHONE: 954-944-4444 FAX: 954-944-4445 WWW.KIMLEY-HORN.COM			
SR 40 AT SW 46TH AVENUE STRAIN POLE SIGNALIZATION PLANS SIGNALIZATION PLAN SHEET T-08			

CONTROLLER TIMINGS								
TIMING FUNCTION	1	2	3	4	5	6	7	8
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
TURN TYPE	PROT	PERM	PROT	PERM	PROT	PERM	PROT	PERM
INITIAL	5.0	15.0	5.0	10.0	5.0	15.0	5.0	10.0
EXTENSION	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN 1	30.0	60.0	15.0	30.0	60.0	15.0	30.0	30.0
YELLOW CLEARANCE	5.1	5.1	4.4	4.8	5.1	5.1	4.8	4.8
ALL RED	2.0	2.0	2.2	2.2	2.0	2.0	2.0	2.2
PEDESTRIAN WALK		7.0		7.0		7.0		7.0
PED. FDW		25.0		25.0		29.0		26.0
RECALL		MIN				MIN		
DET FUNCTION		LOCK				LOCK		

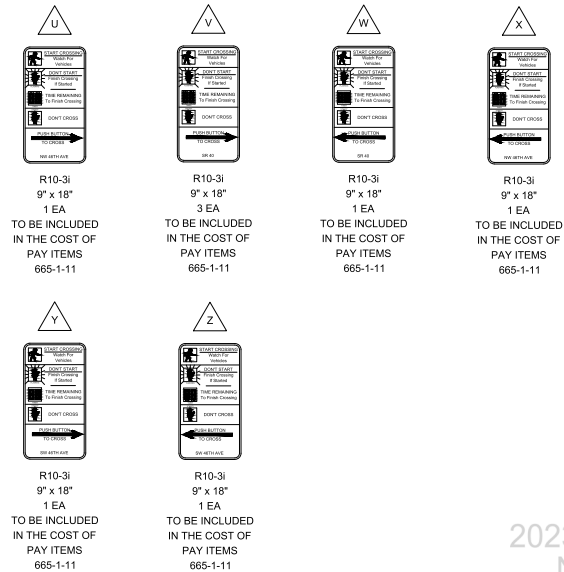
PED POLE DETAILS  
N.T.S.



SIGNAL OPERATING PLAN 10



PED SIGN DETAILS  
N.T.S.



CALL 2 BUSINESS DAYS BEFORE YOU DIG IT'S THE LAW! DIAL 811 Know what's below. Call before you dig. SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Drawing name: K:\CALA\_CAD\142371945-SR\_40 at SW 40th, Signal Design\CAD\PlanSheets\12 SIGNAL PLAN ALL B.dwg I-09 SIGNALIZATION PLAN Dec 13, 2024 11:54am By: Mohammed Eshq  
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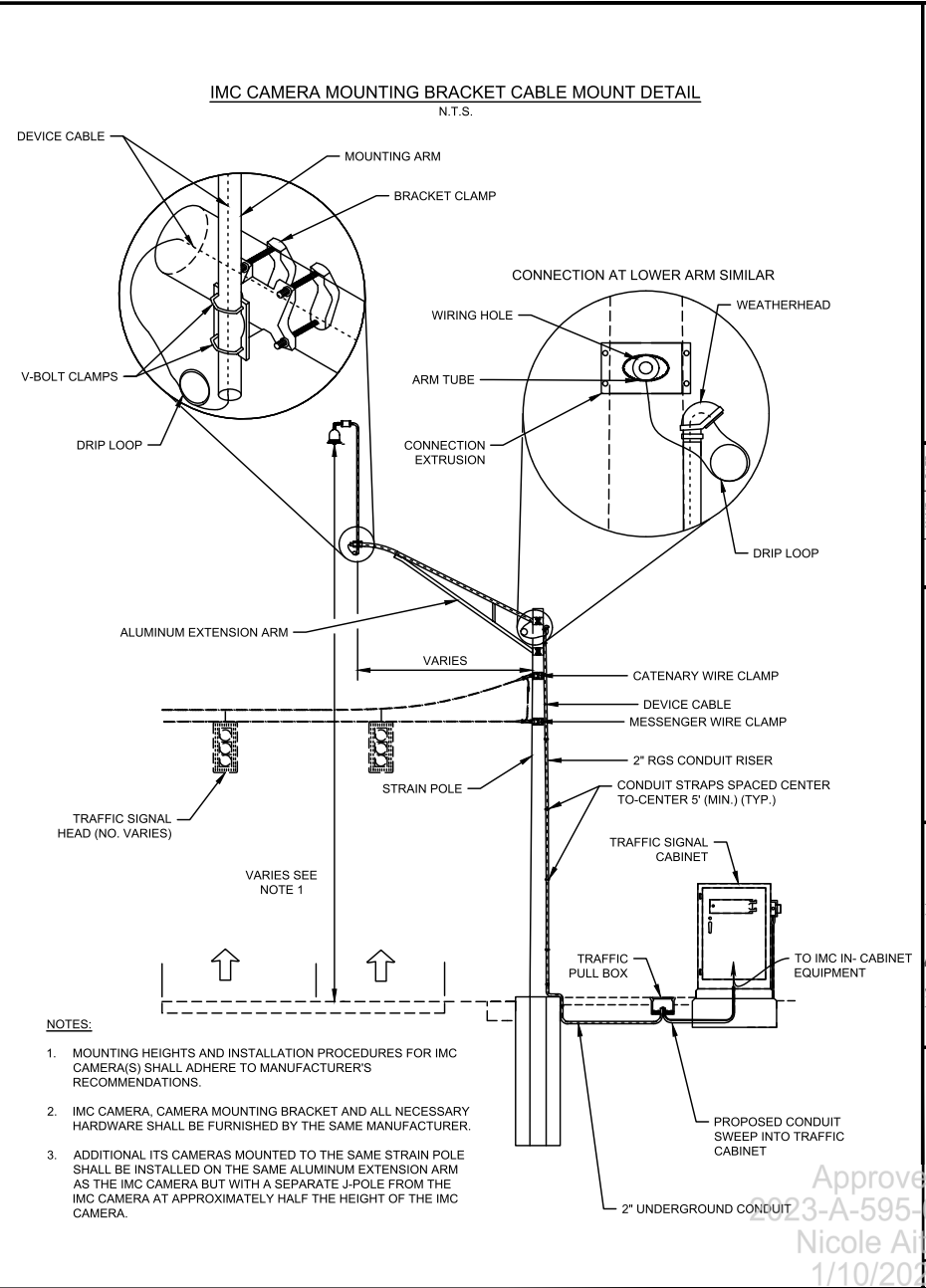
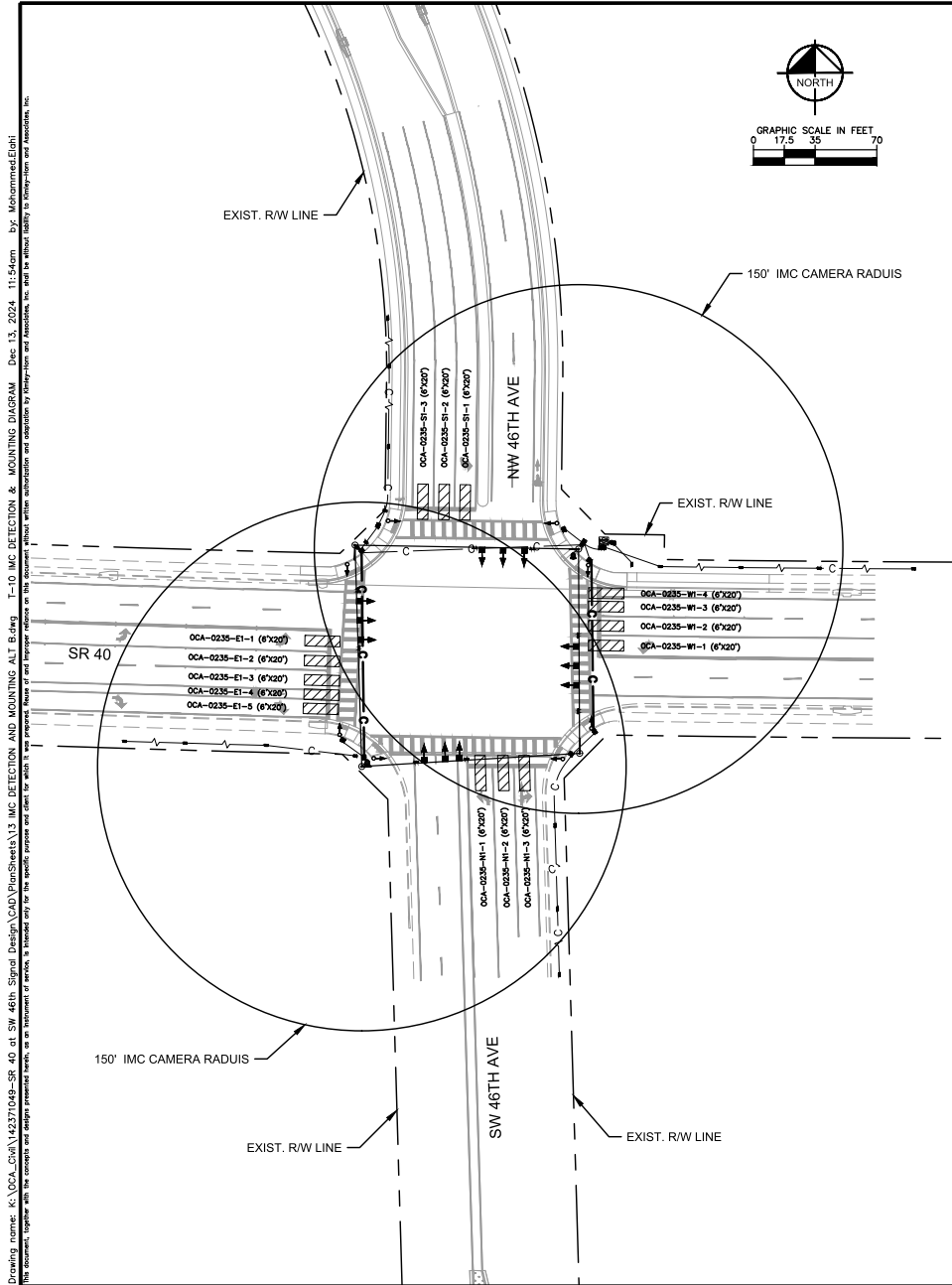
NAME	DATE	REVISIONS	DESCRIPTION	DATE	DESCRIPTION
DRAWN BY: SURANSHU A.L. GANDHI, P.E.					NOT FOR CONSTRUCTION
REVIEWED BY: RHA					
APPROVED BY: RHA					

CITY OF OCALA  
 OFFICE OF THE CITY ENGINEER  
 1805 NE 30TH AVENUE, BUILDING 060  
 OCALA, FL 32060

**Kimley-Horn**  
 2024 Ocala, FL  
 PROJECT NO. 2023-00032  
 SHEET 11-09

APPROVED  
 2023-A-595-00032  
 Nicole A. ...  
 1/10/2024





NOTES:

1. MOUNTING HEIGHTS AND INSTALLATION PROCEDURES FOR IMC CAMERA(S) SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS.
2. IMC CAMERA, CAMERA MOUNTING BRACKET AND ALL NECESSARY HARDWARE SHALL BE FURNISHED BY THE SAME MANUFACTURER.
3. ADDITIONAL ITS CAMERAS MOUNTED TO THE SAME STRAIN POLE SHALL BE INSTALLED ON THE SAME ALUMINUM EXTENSION ARM AS THE IMC CAMERA BUT WITH A SEPARATE J-POLE FROM THE IMC CAMERA AT APPROXIMATELY HALF THE HEIGHT OF THE IMC CAMERA.

Drawing name: K:\OCA\CA\142371945-SR 40 at SW 46th, Signal Design\CAD\PlanSheets\13 IMC DETECTION AND MOUNTING ALE B.dwg I-13 IMC DETECTION & MOUNTING DIAGRAM Dec 13, 2024 11:54am By: Mohammed Elahy  
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REVISIONS	DATE	DESCRIPTION	DATE	DESCRIPTION
				NOT FOR CONSTRUCTION

CITY OF OCALA	CITY OF OCALA	NAME	DATE
OCALA, FLORIDA	OCALA, FLORIDA	DRAWN BY	DATE
OFFICE OF THE CITY ENGINEER	OFFICE OF THE CITY ENGINEER	REVIEWED BY	DATE
1885 NE NORTH AVENUE, BUILDING 060	1885 NE NORTH AVENUE, BUILDING 060	APPROVED BY	DATE
OCALA, FL 32067	OCALA, FL 32067	SUPERVISOR	DATE

<b>Kimley-Horn</b>	<b>Kimley-Horn</b>
2024 Ocala, FL	2024 Ocala, FL
1700 E. UNIVERSITY AVENUE, SUITE 200	1700 E. UNIVERSITY AVENUE, SUITE 200
OCALA, FL 32067	OCALA, FL 32067

Approved  
 2023-A-595-00032  
 Nicole A. ...  
 1/10/20...





Drawing name: K:\OCA\_CAD\42371949-SR 40 at SW 40th Signal Design\CAD\PlanSheets\15 DETECTOR CHART ALI B.dwg I-15 DETECTOR CHART Dec-13, 2024, 11:55am by: Mohammed.Ebali  
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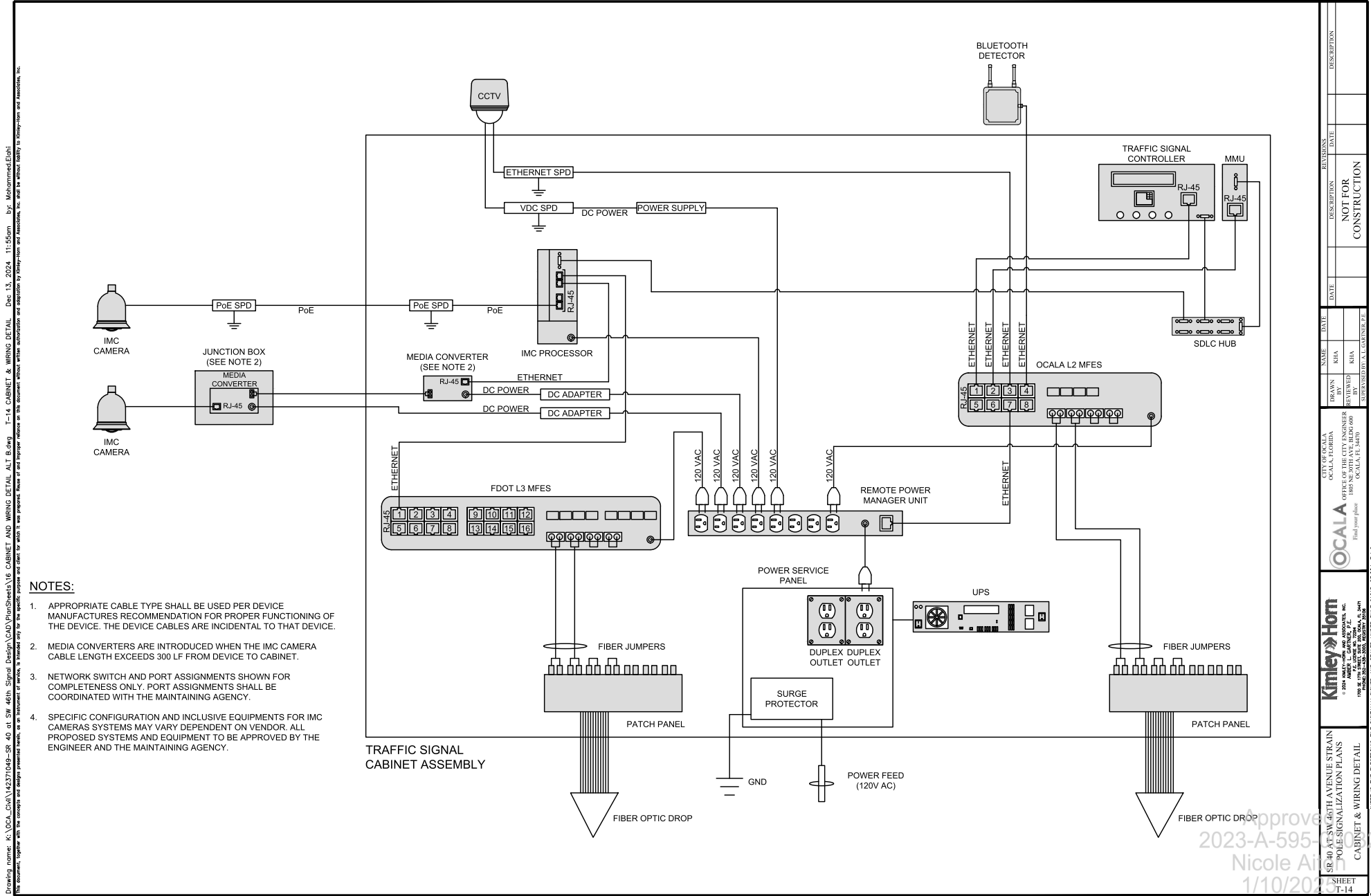
SIGNAL ID	BIU NO.	CARD NO.	CHANNEL NO.	DETECTOR ID	DETECTOR	DIRECTION	MOVEMENT TYPE	APP. SPEED MPH	PROTECTED PHASE	PERMISSIVE PHASE	OVERLAP	DELAY SEC.	DETECTOR SYSTEM	ZONE SIZE	DISTANCE TO STOP BAR	DETECTOR TYPE	LANE TYPE				
0235	1	1	1	XXXXX01	L-1A	EB	L	50	1				LOOP	40'X6'	0	PD	V				
			2	XXXXX02	L-6A	EB	T	50	6					LOOP	40'X6'	0	PD	V			
			3	XXXXX03	L-6B	EB	T	50	6					LOOP	40'X6'	0	PD	V			
		2	4	XXXXX04	L-6C	EB	R	50	6R					LOOP	40'X6'	0	PD	V			
			5	XXXXX05	L-6D	EB	T	50	6				10	LOOP	40'X6'	0	PD	V			
			6	XXXXX06	L-6E	EB	T	50	6					LOOP	6'X6'	160	AD	V			
		3	7	XXXXX07	L-6F	EB	R	50	6R					LOOP	6'X6'	160	AD, QD	V			
			8	XXXXX08	L-1B	EB	L	50	1					LOOP	6'X6'	356	AD, QD	V			
			9	XXXXX09	L-6G	EB	T	50	6					LOOP	6'X6'	356	AD	V			
		4	10	XXXXX10	L-6H	EB	T	50	6					LOOP	6'X6'	356	AD	V			
			11	XXXXX11	L-7A	NB	L	45	7					LOOP	40'X6'	0	PD	V			
			12	XXXXX12	L-4A	NB	T	45	4					LOOP	40'X6'	0	PD	V			
		5	13	XXXXX13	L-4B	NB	T	45	4					LOOP	40'X6'	0	PD	V			
			14	XXXXX14	L-4C	NB	T	45	4					LOOP	6'X6'	132	AD	V			
			15	XXXXX15	L-4D	NB	T	45	4					LOOP	6'X6'	132	AD	V			
		6	16	XXXXX16	L-7B	NB	L	45	7					LOOP	6'X6'	275	AD, QD	V			
			17	XXXXX17	L-5A	WB	L	50	5					LOOP	40'X6'	0	PD	V			
			18	XXXXX18	L-2A	WB	T	50	2					LOOP	40'X6'	0	PD	V			
		7	19	XXXXX19	L-2B	WB	T	50	2					LOOP	40'X6'	0	PD	V			
			20	XXXXX20	L-2C	WB	T	50	2					LOOP	6'X6'	160	AD	V			
			21	XXXXX21	L-2D	WB	T	50	2					LOOP	6'X6'	160	AD	V			
		8	22	XXXXX22	L-5B	WB	L	50	5					LOOP	6'X6'	285	AD, QD	V			
			23	XXXXX23	L-2E	WB	T	50	2					LOOP	6'X6'	356	AD	V			
			24	XXXXX24	L-2F	WB	T	50	2					LOOP	6'X6'	356	AD	V			
		9	25	XXXXX25	L-3A	SB	L	40	3					LOOP	40'X6'	0	PD	V			
			26	XXXXX26	L-8A	SB	T	40	8					LOOP	40'X6'	0	PD	V			
			27	XXXXX27	L-8B	SB	T	40	8					LOOP	40'X6'	0	PD	V			
		10	28	XXXXX28	L-8C	SB	T	40	8					LOOP	6'X6'	106	AD	V			
			29	XXXXX29	L-8D	SB	T	40	8					LOOP	6'X6'	106	AD	V			
			30	XXXXX30	L-3B	SB	L	40	3					LOOP	6'X6'	225	AD, QD	V			
		0235	2	16	31	XXXXX31	SPARE														
					32	XXXXX32	SPARE														
	3			33	XXXXX33	SPARE															
				34	XXXXX34	SPARE															
				35	XXXXX35	SPARE															
				36	XXXXX36	SPARE															
				37	XXXXX37	SPARE															
				38	XXXXX38	SPARE															
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				40	XXXXX40	SPARE															
				41	XXXXX41	SPARE															
				42	XXXXX42	SPARE															
				43	XXXXX43	SPARE															
				44	XXXXX44	SPARE															
				45	XXXXX45	SPARE															
				46	XXXXX46	SPARE															
			47	XXXXX47	SPARE																
	48		XXXXX48	SPARE																	
	0235		4	49	XXXXX49	SPARE															
				50	XXXXX50	SPARE															
				51	XXXXX51	SPARE															
				52	XXXXX52	SPARE															
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			61	XXXXX61	SPARE																
		62	XXXXX62	SPARE																	
		63	XXXXX63	SPARE																	
	64	XXXXX64	SPARE																		

**LEGEND:**  
 PD - PRESENCE DETECTION  
 AD - ADVANCED DETECTION  
 V - VEHICLE  
 QD - QUEUE DETECTION  
 L - LEFT  
 T - THRU  
 R - RIGHT

Approved  
 2023-A-595-  
 Nicole A  
 1/10/20

DRAWN BY: RHA		CHECKED BY: RHA		DATE: 1/10/2024	
DESIGNED BY: SUPERVISOR, A.L. GARDNER, P.E.		REVISIONS:		DESCRIPTION:	
CITY OF OCALA OCALA, FLORIDA		OFFICE OF THE CITY ENGINEER 1805 NE 30TH AVE, BUILDING 060 OCALA, FL 32130		NOT FOR CONSTRUCTION	
KIMLEY-HORN AND ASSOCIATES, INC. 1700 E. HIGHWAY 40, SUITE 200 GAINESVILLE, FL 32609 PHONE: 352.385.4641 WWW.KIMLEY-HORN.COM		OCALA		DETECTOR CHART	

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- NOTES:**
1. APPROPRIATE CABLE TYPE SHALL BE USED PER DEVICE MANUFACTURERS RECOMMENDATION FOR PROPER FUNCTIONING OF THE DEVICE. THE DEVICE CABLES ARE INCIDENTAL TO THAT DEVICE.
  2. MEDIA CONVERTERS ARE INTRODUCED WHEN THE IMC CAMERA CABLE LENGTH EXCEEDS 300 LF FROM DEVICE TO CABINET.
  3. NETWORK SWITCH AND PORT ASSIGNMENTS SHOWN FOR COMPLETENESS ONLY. PORT ASSIGNMENTS SHALL BE COORDINATED WITH THE MAINTAINING AGENCY.
  4. SPECIFIC CONFIGURATION AND INCLUSIVE EQUIPMENTS FOR IMC CAMERAS SYSTEMS MAY VARY DEPENDENT ON VENDOR. ALL PROPOSED SYSTEMS AND EQUIPMENT TO BE APPROVED BY THE ENGINEER AND THE MAINTAINING AGENCY.

REVISIONS	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
					NOT FOR CONSTRUCTION

CITY OF OCALA OCALA, FLORIDA	DRAWN BY RHA	NAME RHA
OFFICE OF THE CITY ENGINEER 1805 NE 30TH AVENUE, BUILDING 060 OCALA, FL 32665	REVIEWED BY SUPERVISOR A.L. GARDNER, P.E.	DATE 1/10/2024

<b>Kimley-Horn</b> INCORPORATED 1908 W. STATE ST., SUITE 200 TALLAHASSEE, FL 32304 TEL: 904.437.2000 WWW.KIMLEY-HORN.COM	APPROVED 2023-A-595-00032 CABINET & WIRING DETAIL
---	---



**INTERCONNECT NOTES**

1. CONDUIT RUNS, PULL BOXES, AND SPLICE VAULTS TO BE CONSTRUCTED AS INDICATED BELOW.
2. EXISTING PEDESTAL IS AT UTILITY POLE L68.
3. FIBER CONNECTION TO THE PROPOSED SIGNAL CABINET TO BE INSTALLED BY CITY OF OCALA FIBER.

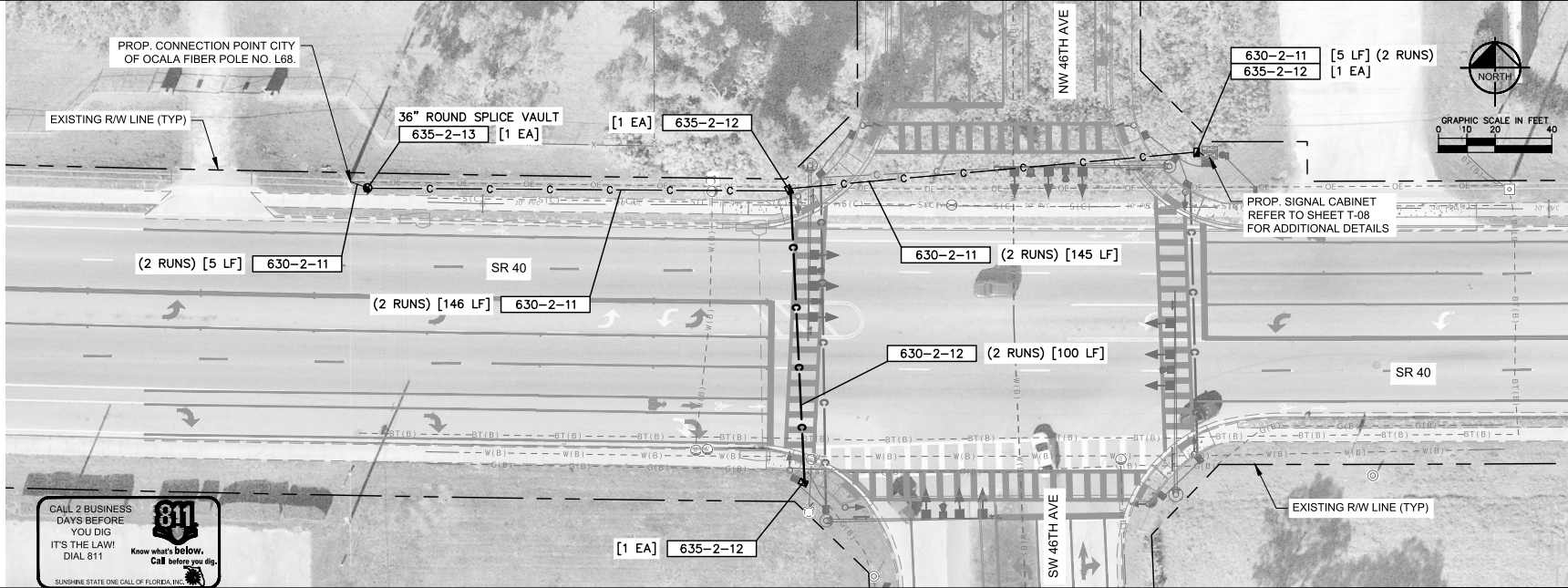
FDOT PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	301
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	100
635-2-12	PULL & SPLICE BOX, FURNISH & INSTALL; 24"x36"	EA	3
635-2-13	PULL & SPLICE BOX, F&I, 36" ROUND COVER SIZE	EA	1

**PAY ITEM NOTES**

(ALL TRAFFIC EQUIPMENT MUST BE ON THE FDOT APPROVED PRODUCT LIST (APL), AND MUST BE APPROVED BY CITY OF OCALA BEFORE PROCUREMENT)

PAY ITEM NOS. 630-2-11, AND 630-2-12  
CONDUIT IS TO BE 2" SCH 40 PVC INSTALLED AT A 36" MINIMUM DEPTH. ENSURE THAT THE CONDUIT IS TERMINATED INSIDE OF THE PROPOSED CONTROLLER CABINET.

PAY ITEM NOS. 635-2-12, AND 635-2-13  
PULL BOXES AND COVERS SHALL BE NON-METALLIC CONSTRUCTION WITH RECESSED COVER LOGO "TRAFFIC SIGNAL" OR "FIBER OPTIC" AS APPROPRIATE. SHALL INCLUDE CONSTRUCTION OF A 12" WIDE BY 6" DEEP CONCRETE APRON AROUND THE NEW PULL BOX.



CALL 2 BUSINESS DAYS BEFORE YOU DIG  
IT'S THE LAW! DIAL 811  
Know what's below. Call before you dig.  
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Drawing name: K:\OCA\_CAD\142371949-SR 40 at SW 46th\_Signal Design\CAD\PlanSheets\01 INTERCONNECT PLAN.dwg I-16 INTERCONNECT PLAN Dec 13, 2024 11:59am By: Mohammed Elahi  
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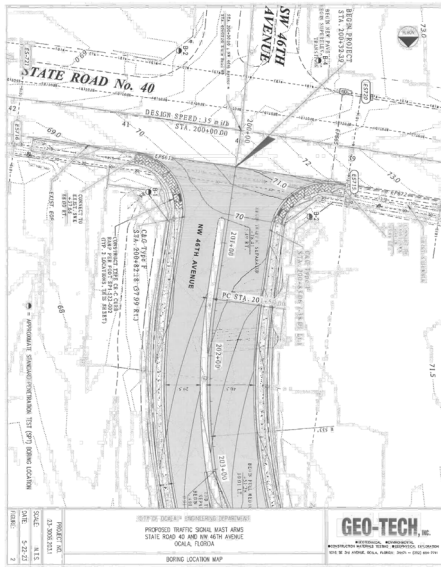
DRAWN BY RHA	CHECKED BY RHA	DATE	REVISIONS	DESCRIPTION <b>NOT FOR CONSTRUCTION</b>
SUPERVISOR: A.L. GARDNER, P.E.				

CITY OF OCALA  
 OCALA, FLORIDA  
 OFFICE OF THE CITY ENGINEER  
 1805 NE 30TH AVE, BLDG 060  
 OCALA, FL 32067

**Kimley-Horn**  
 2024 Ocala, FL  
 1905 NE 30th Ave, Bldg 060  
 Ocala, FL 32067

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Drawing name: K:\OCA\_CAD\42371945-SR 40 at SW 40th Signal Design\CAD\PlanSheets\22 SOI BORINGS.dwg I-17 SOI BORING MAP & LOGS Dec 13, 2024 11:52am by: Mohammed Elahi  
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Log of Borehole: B-1									
Project: TRAFFIC SIGNAL-MAST ARMS, SR 40 AND NW 40TH AVE					Project No: 23-3009.203.1				
Boring Location: (SEE BORING LOCATION MAP)					Engineer: NJ/CAH				
Client: CITY OF Ocala - ENGINEERING DEPARTMENT					Enclosure: BORING MAP				
0		Ground Surface		0.0					
1		FINE SAND	HAND AUGERED						
2		BROWN FINE SAND (SP)	POSSIBLE UTILITIES						
3			LOOSE	8.0	1	9			
4			LOOSE		2	21			
5		CLAYEY SAND	MEDIUM DENSE						
6		YELLOWISH BROWN AND GREY							
7		CLAYEY SAND (SC)							
8			DENSE		3	35			
9									
10			MEDIUM DENSE		4	25			
11									
12									
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34									
35									
36									
Ground Water Depth: GREATER THAN 10.0 FEET Drilled By: WH/CMALE Drill Date: MAY 4, 2023 Drill Method: ASTM D-1586 Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW Soil Profile: 1 OF 4									

Log of Borehole: B-2									
Project: TRAFFIC SIGNAL-MAST ARMS, SR 40 AND NW 40TH AVE					Project No: 23-3009.203.1				
Boring Location: (SEE BORING LOCATION MAP)					Engineer: NJ/CAH				
Client: CITY OF Ocala - ENGINEERING DEPARTMENT					Enclosure: BORING MAP				
0		Ground Surface		0.0					
1		FINE SAND	HAND AUGERED						
2		BROWN FINE SAND (SP)	POSSIBLE UTILITIES						
3			LOOSE	7.0	1	4			
4			LOOSE		2	13			
5		CLAYEY SAND	MEDIUM DENSE						
6		YELLOWISH BROWN AND GREY							
7		CLAYEY SAND (SC)							
8			DENSE		3	9			
9									
10			MEDIUM DENSE		4	10			
11									
12									
13									
14									
15									
16									
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32									
33									
34									
35									
36									
Ground Water Depth: GREATER THAN 10.0 FEET Drilled By: WH/CMALE Drill Date: MAY 4, 2023 Drill Method: ASTM D-1586 Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW Soil Profile: 2 OF 4									

Log of Borehole: B-3									
Project: TRAFFIC SIGNAL-MAST ARMS, SR 40 AND NW 40TH AVE					Project No: 23-3009.203.1				
Boring Location: (SEE BORING LOCATION MAP)					Engineer: NJ/CAH				
Client: CITY OF Ocala - ENGINEERING DEPARTMENT					Enclosure: BORING MAP				
0		Ground Surface		0.0					
1		FINE SAND	HAND AUGERED						
2		BROWN FINE SAND (SP)	POSSIBLE UTILITIES						
3			LOOSE	1	4				
4			LOOSE	2	8				
5			LOOSE	3	9				
6									
7									
8									
9									
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Ground Water Depth: GREATER THAN 10.0 FEET Drilled By: WH/CMALE Drill Date: MAY 16, 2023 Drill Method: ASTM D-1586 Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW Soil Profile: 3 OF 4									

Log of Borehole: B-4									
Project: TRAFFIC SIGNAL-MAST ARMS, SR 40 AND NW 40TH AVE					Project No: 23-3009.203.1				
Boring Location: (SEE BORING LOCATION MAP)					Engineer: NJ/CAH				
Client: CITY OF Ocala - ENGINEERING DEPARTMENT					Enclosure: BORING MAP				
0		Ground Surface		0.0					
1		FINE SAND	HAND AUGERED						
2		BROWN FINE SAND (SP)	POSSIBLE UTILITIES	2.0					
3			LOOSE		1	12			
4			LOOSE		2	20			
5			LOOSE		3	19			
6									
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36									
Ground Water Depth: GREATER THAN 10.0 FEET Drilled By: WH/CMALE Drill Date: MAY 16, 2023 Drill Method: ASTM D-1586 Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW Soil Profile: 4 OF 4									

REVISIONS	DATE	DESCRIPTION
1		NOT FOR CONSTRUCTION

CITY OF Ocala  
 Ocala, Florida  
 OFFICE OF THE CITY ENGINEER  
 1805 NE 30TH AVENUE, BUILDING 060  
 Ocala, FL 32605

**Kimley-Horn**  
 ENGINEERING CONSULTANTS  
 2024 ANDREWS AVENUE, SUITE 100  
 Ocala, FL 32605

SR 40 AT SW 40TH AVENUE STRAIN  
 POLE SIGNALIZATION PLANS  
 SOI BORING MAP & LOGS  
 SHEET  
 I-17

Approved  
 2023-A-595-  
 Nicole A  
 1/10/2024



Drawing name: K:\OCAL\CIP\14237049-SP-40 at SW 46th Street Design\CAD\DrawSheets\1-01 TabulationQuantities.dwg, L-01 LIGHTING QUANTITIES, May 30, 2024, 11:27am, by: jared.sawed  
 This document, together with the contracts and drawings referenced herein, is the instrument of service, to be read in conjunction with the specifications and standards for the project. It is the responsibility of the contractor to verify the accuracy of the information and quantities shown on these drawings and to obtain all necessary permits and approvals. No part of this document shall be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the written consent of the author.

TABULATION OF QUANTITIES									
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS		TOTAL THIS SHEET		GRAND TOTAL		
			L-04		PLAN	FINAL	PLAN	FINAL	
			PLAN	FINAL					
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	275		275		275		
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	365		365		365		
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	13		13		13		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	10		10		10		
639-3-12	ELECTRICAL SERVICE DISCONNECT, F&I, CABINET	EA	1		1		1		
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	2712		2712		2712		
715-61-321	LIGHT POLE COMPLETE, F&I, STANDARD POLE FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA	6		6		6		
715-65-266	LIGHT POLE COMPLETE, F&I, UTILITY CONFLICT POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 16' ARM LENGTH	EA	1		1		1		
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1		1		1		
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	7		7		7		

 Kimley-Horn CONSULTING ENGINEERS 1000 N. GULF BLVD., SUITE 200 TAMPA, FL 33604	 OCALA OFFICE OF THE CITY ENGINEER 1801 NE 10TH AVE, BLDG 000 OCALA, FL 32810	CITY OF OCALA OFFICE OF THE CITY ENGINEER 1801 NE 10TH AVE, BLDG 000 OCALA, FL 32810	NAME: RJA DRAWN BY: RJA REVIEWED: RJA SUBMITTED BY: A. CALDWELL	DATE: _____ DESCRIPTION: NOT FOR CONSTRUCTION	REVISIONS: DATE: _____ DESCRIPTION: _____
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Approved: \_\_\_\_\_  
 2023-A-595-00032  
 Nicole \_\_\_\_\_  
 1/10/2023

Drawing name: K:\OCAL\_CIP\14237049-SR-40.ctb, SW 46th Street Design\CAD\DrawSheets\1-02 LIGHTING NOTES.dwg, 1-02 LIGHTING NOTES.dwg, May 30, 2024, 9:08am, by: jared.anced  
 This document, together with the contract and sheets referenced herein, is an instrument of service, to be recorded in the public records and shall be subject to the provisions of the Florida Statutes, Chapter 218, and the rules of the State Board of Professional Engineers, Architects and Examiners, Inc. and the State Board of Professional Land Surveyors, Inc.

ROADWAY LIGHTING GENERAL NOTES

1. SEE ROADWAY PLANS FOR UTILITY ADJUSTMENT SHEETS.
2. THE LOCATION(S) OF THE UTILITY SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY.
3. STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND STAKE UNDERGROUND UTILITIES PRIOR TO EXCAVATING.
4. CONTRACTOR IS TO VERIFY THAT OVERHEAD UTILITY RELOCATIONS AND OPERATIONS ARE COMPLETE PRIOR TO THE INSTALLATION OF POLES IN AREAS WHERE OVERHEAD CONDUCTORS WOULD OTHERWISE BE IN CONFLICT WITH OSHA CLEARANCE REQUIREMENTS.
5. SUBMIT SHOP DRAWINGS WITH SIGNED AND SEALED STRUCTURAL CALCULATIONS MEETING FDOT REQUIREMENTS FOR ALL LIGHT POLES.
6. ALL LUMINAIRES TO BE ORIENTED PERPENDICULAR TO NEAREST EDGE OF PAVEMENT SIGNIFIED BY PLAN ORIENTATION.
7. SEE FDOT FY 2024-25 STANDARD PLAN INDEX 715-003 FOR UTILITY CONFLICT LIGHT POLE.

PROPOSED LOAD CENTER A  
 120/240V, SINGLE PHASE, 3 WIRE + GROUND  
 STA. 908+15.00, 61.25 LT. (Ø SURVEY SR 40)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
A	100 A, 2P	1	11.4	14.2	# 4 AWG
A-1	40 A, 1P		11.4	14.2	# 6 AWG

 OCALA OFFICE OF THE CITY ENGINEER 1805 N.E. 20TH AVE. BLDG 060 OCALA, FL 32137	 Kimley-Horn ENGINEERS, ARCHITECTS & PLANNERS 1000 N. UNIVERSITY BLVD., SUITE 200 GAITHERSBURG, MD 20878	CITY OF OCALA OFFICE OF THE CITY ENGINEER 1805 N.E. 20TH AVE. BLDG 060 OCALA, FL 32137	DESIGNED BY REVIEWED BY SUPERVISOR DATE	REVISIONS DATE DESCRIPTION NOT FOR CONSTRUCTION	DATE DATE DATE DATE
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Approved  
 2023-A-595-00032  
 Nicole  
 1/10/2025



