



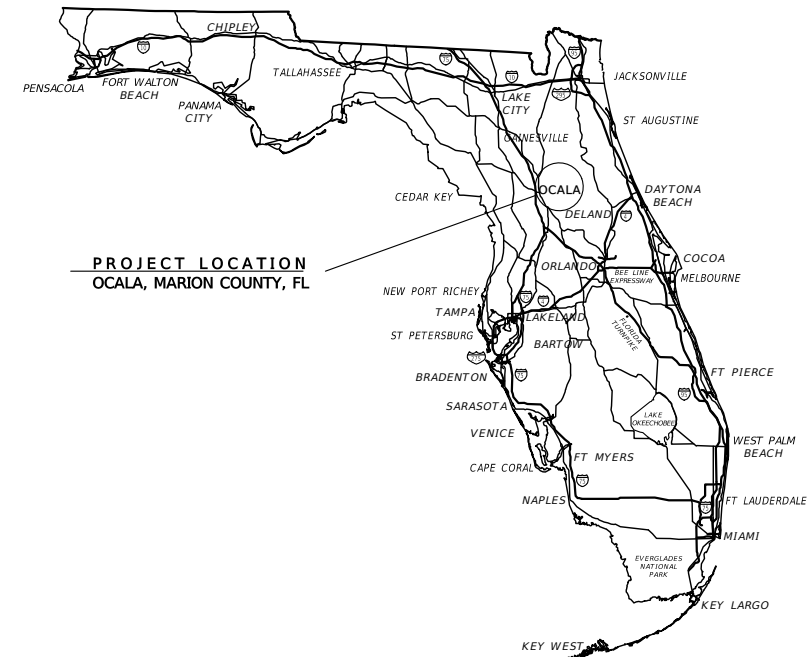
**CITY ENGINEER'S OFFICE**  
 TRANSPORTATION ENGINEERING  
 1805 NE 30th AVENUE, BLDG 300  
 OCALA, FLORIDA 34470-4877

# CONTRACT PLANS

PROJECT ID: ENG CIP23-0015  
 Contract No. CIP/250303

## SW/NW 46TH AVE AT SR 40 PAVEMENT EXPANSION

**100% PLANS**  
 (BID PLANS)



UTILITY COMPANIES			
UTILITY COMPANY NAME	CONTACT	PHONE No	EMERGENCY
CITY OF OCALA WATER & SEWER	HECTOR COLON, PE	(352) 351-6944	(352) 351-6782
CITY OF OCALA ELECTRIC UTILITY	DONNIE FALES	(352) 351-6620	(352) 351-6666
CITY OF OCALA TELECOMMUNICATIONS (FOC)	BILL WEAKLAND	(352) 351-6912	N/A
CITY OF OCALA TRAFFIC	NICK BLIZZARD	(352) 351-6707	N/A
TECO PEOPLES GAS of OCALA	LANDON MEAHL	(352) 622-0112	(407) 408-5566
CENTURYLINK of OCALA	JOHN PLAMONDON	(352) 368-8817	(352) 425-4444
COX COMMUNICATIONS of MARION	CRAIG SANDERS	(352) 873-5631	(888) 269-9693
AT&T of MARION	DINO FARRUGIO	(561) 997-0240	N/A

### GOVERNING DOCUMENTS

U.S. DEPARTMENT OF TRANSPORTATION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2023)

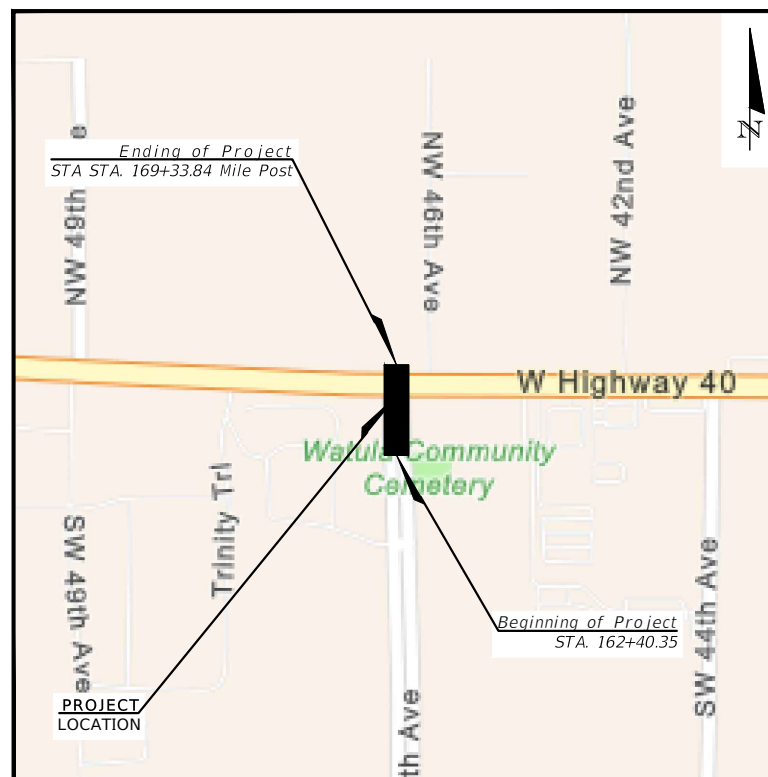
FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (FY 2024-25 Version)

FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (FY 2024-25 Version)

FLORIDA DEPARTMENT OF TRANSPORTATION, MANUAL ON UNIFORM MINIMUM STANDARDS FOR DESIGN CONSTRUCTION, AND MAINTENANCE OF STREET & HIGHWAYS "FLORIDA GREEN BOOK" (2018 Edition)

CITY OF OCALA, LAND DEVELOPMENT CODE (Current Version May 17, 2024)

CITY OF OCALA, STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STREETS, STORMWATER, TRAFFIC, WATER & SEWER INFRASTRUCTURE (January 2024 Version)



### POSTED SPEED LIMIT

SW/NW 46th AVE = 35 MPH  
 SR 40 = 50 MPH

INDEX OF SHEETS	
SHEET No	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
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4	ENVIRONMENTAL NOTES
5	ABBREVIATIONS & LEGENDS
6	SUMMARY OF PAY ITEMS
7	TYPICAL DETAILS
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S01	SURVEY CONTROL POINTS
S02 to S03	TOPOGRAPHIC SURVEY



R E V I S I O N S				ENGINEER OF RECORD		PREPARED BY		PROJECT No. 24111		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION					PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.		
---	---	---	---	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL				<p style="text-align: center;"><i>KEY SHEET</i></p>		1



## GENERAL NOTES:

1. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF OCALA ENGINEER OF RECORD AND FDOT PERSONNEL.
2. THE CONTRACTOR SHALL APPLY FOR A CITY OF OCALA RIGHT-OF-WAY PERMIT NO LESS THAN FIVE (5) BUSINESS DAYS PRIOR TO STARTING THE PROPOSED CONSTRUCTION.
3. ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. STATIONS AND OFFSETS ARE BASED ON ROADWAY PLANS.
4. ALL UTILITIES SHOWN ON THESE PLANS HAVE BEEN PLOTTED FROM THE BEST AVAILABLE RECORDS. HOWEVER, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR LOCATIONS AND CONDITIONS FROM THE UTILITY AGENCIES PRIOR TO STARTING THE PROPOSED CONSTRUCTION ACTIVITIES.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL PERTINENT UTILITY COMPANIES AT LEAST (7) FULL BUSINESS DAYS PRIOR TO CONSTRUCTION SO THAT THESE COMPANIES CAN FIELD STAKE THE LOCATION OF THEIR FACILITIES. IN PARTICULAR, ALL UTILITY CONFLICTS SHALL BE RESOLVED PRIOR TO THE SETTING OF OR PLACING OF ANY SUB-GRADE AND/OR BURIED ITEMS. SHOULD THE CONTRACTOR ENCOUNTER ANY UNIDENTIFIED UTILITIES DURING CONSTRUCTION ACTIVITIES, WORK IN THE AREA SHALL CEASE AND THE CITY TRANSPORTATION ENGINEER, NOEL J COOPER, P.E. (AT 352-351-6708) SHALL BE IMMEDIATELY NOTIFIED SO THAT REMEDIAL ACTION CAN BE TAKEN.
6. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR THIS PROJECT IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD); THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION; AND ANY REQUIREMENTS OF THE CITY OF OCALA THAT MEET OR EXCEED ANY OF THE AFOREMENTIONED GOVERNING JURISDICTIONS.
7. THE CONTRACTOR SHALL HAVE A STATE OF FLORIDA CERTIFIED MAINTENANCE OF TRAFFIC SUPERVISOR WITH THE RESPONSIBILITY OF MAINTAINING THE POSITIONING AND CONDITION OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS THROUGHOUT THE DURATION OF THE PROJECT. THE ENGINEER OF RECORD SHALL BE KEPT ADVISED AS TO THE IDENTIFICATION AND MEANS OF CONTACTING THIS AFOREMENTIONED SUPERVISOR ON A 24-HOUR BASIS.
8. THE REQUIRED TRAFFIC CONTROL DEVICES, WARNING DEVICES, AND BARRIERS ERECTED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION WHICH NO LONGER APPLY TO THE CURRENT CONSTRUCTION CONDITIONS, AND MAY OTHERWISE CREATE HAZARDOUS CONDITIONS DURING THE ONGOING CONSTRUCTION PROCESS, SHALL BE IMMEDIATELY REMOVED OR COVERED BY THE CONTRACTOR.
9. IF ANY EXISTING SIGNS ARE REMOVED OR RELOCATED DURING CONSTRUCTION, THE CONTRACTOR SHALL REINSTALL THEM IMMEDIATELY AT THE PROPER HEIGHT AND DISTANCE.
10. THE CONTRACTOR SHALL NOT REMOVE OR DAMAGE ANY BUILDING FOUNDATIONS, AND SHALL NOTIFY THE ENGINEER OF RECORD OF ANY PROBLEMS OR CONCERNS.
11. THE CONTRACTOR SHALL ADJUST ANY AND ALL EXISTING UTILITIES MANHOLE COVERS, INLETS, AND PULLBOX COVERS TO FINAL GRADE AS NECESSARY WITHIN THE WORK AREA.
12. ANY AND ALL EXISTING UTILITIES, SUCH AS WATER VALVES, MANHOLES, AND METER BOXES, SHALL BE PROTECTED FROM DAMAGE. IF DAMAGE OCCURS DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL REPAIR SAID ITEM(S) AT THEIR OWN EXPENSE.
13. THE CONTRACTOR SHALL INSTALL INLET PROTECTION DEVICES AT ALL INLETS TO MINIMIZE DEBRIS ENTERING THE STORM DRAIN SYSTEM. (AS APPROVED BY FDEP).
14. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PAVEMENT MARKINGS, RPM'S, TRAFFIC LOOPS OR HOMERUNS THAT ARE DAMAGED DURING THE CONSTRUCTION PROCESS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ACCEPTABLE ACCESS TO ALL RESIDENCES AND BUSINESSES ALONG THE PROJECT ROUTE WHENEVER CONSTRUCTION ACTIVITIES INTERFERE WITH THE EXISTING MEANS OF ACCESS. FLAGMEN SHALL BE USED WHEN NO ALTERNATE ACCESS IS POSSIBLE.
16. IN THE EVENT THAT EXISTING MAILBOXES ARE TO BE RELOCATED AND/OR REMOVED, THE CONTRACTOR SHALL NOTIFY THE POSTMASTER OF THE OCALA POST OFFICE NO LESS THAN SEVEN (7) BUSINESS DAYS (EXCLUDING WEEKENDS AND POSTAL HOLIDAYS) PRIOR TO COMMENCEMENT OF THE WORK.
17. SIDEWALKS, INCLUDING PORTIONS OF DRIVEWAYS (EXISTING OR PROPOSED) WITHIN SIDEWALK PATH, SHALL COMPLY WITH ADA ACCESSIBILITY STANDARDS. WHERE EXISTING DRIVEWAYS ARE NOT COMPLIANT, THE CONTRACTOR SHALL ADVISE THE ENGINEER OF RECORD, AND REMOVE AND REPLACE SAID ITEM.
18. WHEN OPERATING OUTSIDE THE CITY OF OCALA RIGHT-OF-WAY, THE CONTRACTOR SHALL GIVE PROPER NOTIFICATION AND OBTAIN WRITTEN PERMISSION TO DO SO FROM THE OWNER OF EACH PARTICULAR PROPERTY.
19. UNLESS OTHERWISE SPECIFIED ON THE PLANS, THE CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR MAY, UPON APPROVAL FROM THE ENGINEER OF RECORD, RESTRICT TRAFFIC TO ONE-WAY OPERATION FOR SHORT PERIODS OF TIME PROVIDED THAT ADEQUATE MEANS OF TRAFFIC CONTROL ARE IN PLACE AND TRAFFIC IS NOT UNREASONABLY DELAYED.
20. ALL UNSUITABLE MATERIALS ENCOUNTERED SHALL BE DISPOSED OF AND REPLACED WITH APPROVED MATERIALS. NO TEMPORARY OR PERMANENT DEPOSITS SHALL BE MADE OUTSIDE OF THE PROPOSED RIGHT-OF-WAY EXCEPT AS APPROVED BY THE ENGINEER OF RECORD.
21. THE CONTRACTOR SHALL HAVE EXCAVATED MATERIALS LOADED ONTO DUMP TRUCKS DIRECTLY BEHIND THE EQUIPMENT AND HAULED OFF TO THE DESIGNATED SITE WITH CITY OF OCALA APPROVED TRAFFIC CONTROL MEASURES IN PLACE ACCORDINGLY TO ACCOMMODATE THIS PROCESS.
22. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION - UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER OF RECORD IN WRITING.
23. THE CONTRACTOR SHALL BE NOISE SENSITIVE FOR NIGHT OPERATIONS (WHEN APPLICABLE).
24. 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 APPOINT AN APPROVED STORAGE AREA, AND SUCH AREA SHALL BE PROPERLY DELINEATED AND ADVANCE WARNING SHALL BE UTILIZED.

### IMPORTANT NOTE TO CONTRACTOR

THESE PLANS HAVE BEEN PREPARED BASED UPON THE CITY OF OCALA'S 2009 PLANIMETRIC DRAWINGS PREPARED BY AERIAL CARTOGRAPHICS, INC. WITH AERIAL PHOTOGRAPHY DATES OF 3/29/09 AND 3/30/09. HORIZONTAL DATUM IS BASED ON THE CITY OF OCALA G.P.S. DERIVED THREE MILE CONTROL GRID, UTILIZING THE NORTH AMERICAN DATUM 1983, 1990 ADJUSTMENT OF THE STATE PLANE COORDINATES, FLORIDA WEST ZONE (902). VERTICAL DATUM IS BASED ON THE CITY OF OCALA G.P.S. DERIVED THREE MILE CONTROL GRID, UTILIZING THE NORTH AMERICAN VERTICAL DATUM OF 1988

THE CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING UTILITIES IN THE PROJECT AREA AND OTHER UTILITIES WHICH MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION ACTIVITIES. THE CITY OF OCALA WILL MAKE AVAILABLE TO THE CONTRACTOR AWARDED THE PROJECT ALL RELEVANT UTILITY INFORMATION IN THE AREA WITHIN ITS POSSESSION

## FDOT NOTES:

1. THE CONTRACTOR SHALL INSURE THAT ALL CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE UTILITY ACCOMMODATION (UAM).
2. THE CONTRACTOR SHALL REVIEW AND COMPLY WITH THE "SPECIAL PROVISIONS" AND OTHER ATTACHMENTS TO THE FDOT PERMIT FOR THIS PROJECT.
3. THE CONTRACTOR SHALL CALL "FLORIDA SUNSHINE ONE-CALL" FOR UTILITY LOCATION SERVICES AT LEAST (2) BUSINESS DAYS PRIOR TO CONSTRUCTION (1-800-432-4770).
4. THE CONTRACTOR SHALL INSURE MAINTENANCE OF TRAFFIC (MOT) PLAN & TRAFFIC CONTROL THROUGHOUT THE WORK ZONE AS PER THE FDOT STANDARD INDEX 102- 600 SERIES.
5. THE CONTRACTOR SHALL CONDUCT A SIDEWALK SURVEY TO DETERMINE THE EXISTING CONDITION OF AFFECTED SIDEWALKS AND SUBMIT SAID SURVEY TO FDOT AND THE CITY OF OCALA'S ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
6. AT SUCH LOCATIONS WHERE FDOT SIGNS, REFLECTORS, OR OTHER STRUCTURES WILL INTERFERE WITH PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE LOCAL MAINTENANCE OFFICE OR PROJECT ENGINEER AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. ALL ITEMS THAT REQUIRE RELOCATION OR REPLACEMENT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF THE WORK IS WITHIN 500' OF THE TRAFFIC SIGNAL CONTRACTOR SHALL CONTACT THE CITY OF OCALA PUBLIC WORKS DEPARTMENT - TRAFFIC OPERATIONS (352) 351-6733.
7. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS AFFECTED BY THE PROPOSED CONSTRUCTION ACTIVITIES IN ADVANCE OF SUCH OPERATIONS IN ACCORDANCE WITH FDOT NOTIFICATION REQUIREMENTS.
8. THE CONTRACTOR SHALL COORDINATE ALL UTILITY CLEARANCES WITH THE OWNER OF SUCH UTILITIES PRIOR TO CONSTRUCTION COMMENCEMENT.
9. THE CONTRACTOR SHALL RESTORE AND RE-SOD ALL DISTURBED AREAS WITH ARGENTINE BAHIA IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN THAT PORTION OF THE RIGHT-OF-WAY AFFECTED BY THE PERMIT UNTIL VEGETATION IS ESTABLISHED. PERFORM ALL WORK NECESSARY, INCLUDING WATERING AND FERTILIZING, TO SUSTAIN AN ESTABLISHED TURF UNTIL FINAL ACCEPTANCE, AT NO ADDITIONAL EXPENSE TO FDOT OR THE CITY OF OCALA. PROVIDE FILLING, LEVELING, AND REPAIRING OF ANY WASHED OR ERODED AREAS, AS MAY BE NECESSARY.
10. THE CONTRACTOR IS RESPONSIBLE FOR MOWING, AT NO ADDITIONAL EXPENSE TO FDOT OR THE CITY OF OCALA, ANY AREA WITHIN PUBLIC RIGHT-OF-WAYS WHERE THE PERMITTED WORK OR WHERE UTILITY LOCATE FLAGS PLACED FOR PERMITTED WORK CREATES A HINDRANCE FOR OR INTERFERES WITH MAINTENANCE ENTITY'S REGULAR MOWING OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOWING UNTIL ALL SUCH HINDRANCES ARE REMOVED SO THAT REGULAR MAINTENANCE ENTITY MOWING CAN BE RESUMED. THE CONTRACTOR SHALL MEET THE MOWING REQUIREMENTS ESTABLISHED BY THE DEPARTMENT'S MAINTENANCE RATING PROGRAM (MRP). CONTACT THE LOCAL FDOT MAINTENANCE OFFICE FOR DETAILS (352.732.1338).
11. ALL UTILITY LOCATION FLAGS SHALL BE REMOVED BY THE CONTRACTOR WHEN THEY ARE NO LONGER NEEDED.

## SURVEY & MAPPING NOTES:

1. COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATES, WEST ZONE AND WERE DERIVED FROM GPS OBSERVATIONS REFERENCED TO THE FDOT PERMANENT REFERENCE NETWORK.
2. ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 AND ARE REFERENCED TO CITY CONTROL POINTS SHOWN ON THIS DRAWING.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, TO ENSURE ALL EXISTING SURVEY MARKERS ARE LOCATED, CLEARLY MARKED AND PROTECTED, BY THE CONTRACTOR'S SURVEYOR.
4. ANY SURVEY MARKER, INCLUDING, BUT NOT LIMITED TO, PUBLIC LAND SURVEY SECTION CORNER MARKERS, BENCH MARKS, PROPERTY CORNERS, ETC., WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO FINAL PAYMENT.
5. ADDITIONALLY, SURVEY STAKES PLACED MARKING THE LOCATIONS OF MARKERS, PROPERTY LINES, RIGHT-OF-WAY LINES, OR ANY OTHER POINT, PLACED FOR CONSTRUCTION AND SUBSEQUENTLY DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AS NEEDED AT THE RESPONSIBILITY OF THE CONTRACTOR.
6. RESETTING OF MONUMENTS AND MARKERS SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR, LICENSED TO PRACTICE IN THE STATE OF FLORIDA AND SHOWN AS RE-SET ON AS-BUILT PLANS.
7. UNLESS PRIOR AGREEMENT IS MADE, IT SHALL NOT BE THE RESPONSIBILITY OF THE CITY SURVEYOR TO REPLACE ANY SURVEY MARKERS.

## SIGNING & PAVEMENT MARKING NOTES:

1. THE CONTRACTOR SHALL CONTACT THE CITY OF OCALA PUBLIC WORKS DEPARTMENT - TRAFFIC OPERATIONS AT (352)-351-6733 AT LEAST (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. ALL ITEMS THAT REQUIRE RELOCATION OR REPLACEMENT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL SIGN ASSEMBLIES AND SIGN PANELS TO BE RELOCATED SHALL BE RELOCATED OUT OF THE CONSTRUCTION AREA, THEN RE-INSTALLED AFTER CONSTRUCTION IS COMPLETED. ANY DAMAGED SIGNAGE SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PAVEMENT MARKINGS THAT ARE DAMAGED DURING CONSTRUCTION.
4. THERMOPLASTIC STRIPING, AS DEFINED UNDER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION #711, IS REQUIRED FOR FINISHED CONSTRUCTION ON CITY OF OCALA RIGHT-OF-WAY. WHERE ROADWAY PAVEMENT IS INSTALLED OR REPLACED, THERMOPLASTIC STRIPING SHALL BE INSTALLED BY THE CONTRACTOR AT LEAST 14 DAYS AFTER FINAL PAVING; OTHERWISE THERMOPLASTIC STRIPING IS TO BE INSTALLED CONCURRENT TO OTHER PROJECT WORK. CONTRACTOR SHALL BE PAID FOR ONLY ONE APPLICATION OF THERMOPLASTIC STRIPING PER ITEM.
5. WHERE CROSSWALK ARE PROPOSED, THE CONTRACTOR SHALL ENSURE THAT ANY EXISTING STOP LINE(S) ARE A MIN. 4' FROM THE PROPOSED CROSSWALK LINES.

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DATE	DESCRIPTION	DATE	DESCRIPTION	O C A L A City Engineer's Office		P R O J E C T N A M E : S W 4 6 T H A V E A T S R 4 0 P A V E M ' T . E X P .		
---	---			NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL		<i>GENERAL NOTES (1)</i>		3

## ENVIRONMENTAL NOTES:

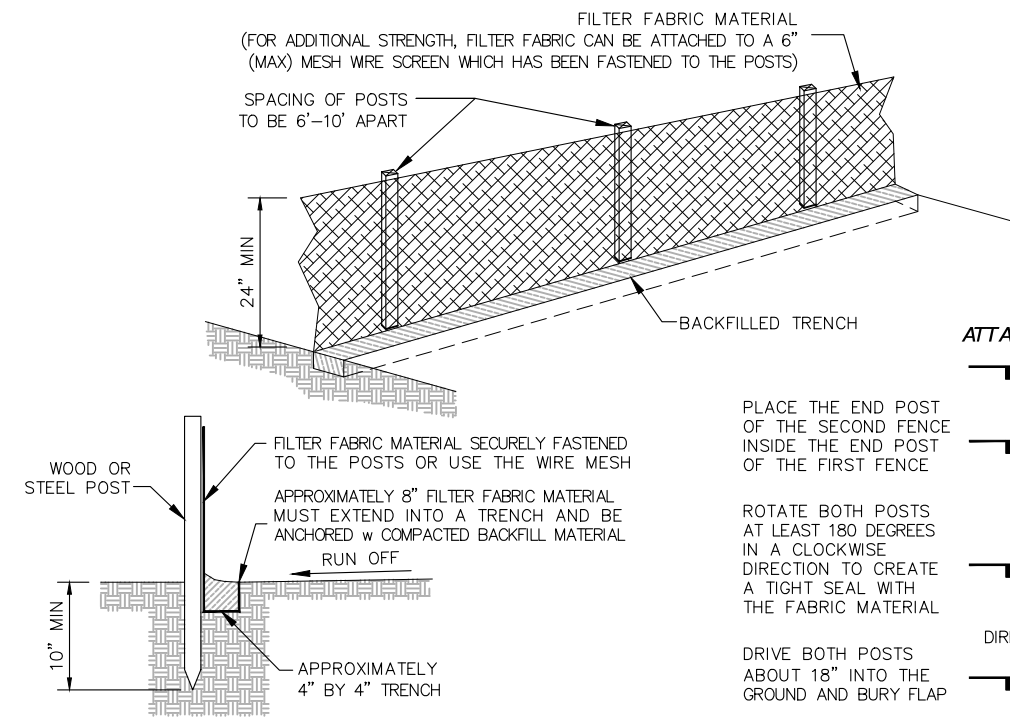
1. THE CONTRACTOR SHALL FORMULARIZE THEMSELVES WITH THE GENERAL NOTES AND FDOT NOTES THAT ARE PROVIDED IN THIS PLAN SET ON A SEPARATE SHEET.
2. THE CITY OF OCALA OPERATES UNDER A FDEP NPDES 'GENERAL PERMIT THAT REQUIRES THE CITY AND, IN TURN, ITS CONTRACTORS TO FOLLOW CERTAIN AND SPECIFIC ENVIRONMENTAL PRACTICES AND PROCEDURES TO PREVENT THE POLLUTION OF THE CITY'S GROUNDWATER AND STORMWATER SYSTEM.
3. ALL WATER COLLECTED AND PUMPED DURING TRENCH DEWATERING ACTIVITIES SHALL BE DISPOSED OF IN UPLAND AREAS INTO DISCHARGE LOCATIONS THAT SHALL BE A MINIMUM OF 75 FEET FROM THE NEAREST WATER BODY OR WETLAND AREA TO ALLOW FOR MAXIMUM OVERLAND FILTRATION OF SOIL PARTICLES.
4. STAKED SILT SCREEN, TURBIDITY BARRIERS OR OTHER PERIMETER CONTROL METHODS APPROVED BY THE FDEP SHALL BE UTILIZED AS SILT BARRIERS AND PLACED IN LOCATIONS SHOWN ON THE PLANS AND AT OTHER LOCATIONS AS REQUIRED TO KEEP SEDIMENT FROM REACHING PRIVATE PROPERTY. THESE BARRIERS SHALL BE INSTALLED BY THE CONTRACTOR BEFORE COMMENCING WITH ANY CONSTRUCTION ACTIVITIES WITHIN OR ADJACENT TO PRIVATE PROPERTY.
5. THE CONTRACTOR SHALL MONITOR AND MAINTAIN ALL SILT BARRIERS AND FENCING INCLUDING DAILY INSPECTIONS TO CHECK THEIR INTEGRITY. ANY LOOSE OR DAMAGED SILT BARRIERS AND FENCING SHALL BE IMMEDIATELY REPAIRED OR REPLACED AS NECESSARY. ONCE CONSTRUCTION IS COMPLETED AND FINISHED GRADING AND STABILIZATION HAS BEEN ACHIEVED, SILT BARRIERS AND FENCING SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER OF RECORD, AND BEFORE FINAL ACCEPTANCE.
6. THE CONTRACTOR SHALL NOT REMOVE ANY TREES WITHOUT COORDINATING SUCH REMOVAL WITH THE ENGINEER OF RECORD. IF ANY TREES ARE REMOVED IN WETLAND JURISDICTIONAL, OR NATIVE VEGETATION AREAS WITHOUT PROPER AUTHORIZATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A DETAILED RESTORATION AND/OR MITIGATION PLAN, SUBMITTING THE PLAN TO, AND OBTAINING APPROVAL FROM THE FDEP, THE WATER MANAGEMENT DISTRICT, THE CITY ENGINEER'S OFFICE, THE OWNER AND THE ENGINEER OF RECORD, AS WELL AS COMPLETING ANY MONITORING AND MAINTENANCE REQUIREMENTS IMPOSED AS A RESULT OF THE TREE REMOVAL.

## HAZARDOUS MATERIALS

1. THE CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES TO MINIMIZE THE RISK OF SPILLS OR UNINTENDED EXPOSURE OF PETROLEUM AND OTHER HAZARDOUS MATERIALS TO STORMWATER RUNOFF OR SEEPAGE INTO THE GROUNDWATER.
2. THE CONTRACTOR SHALL HAVE PRE-PREPARED PROCEDURES CLEARLY POSTED FOR SPILL CONTAINMENT AND CLEAN-UP.
3. THE CONTRACTOR SHALL STORE AND USE PETROLEUM AND OTHER HAZARDOUS PRODUCTS ACCORDING TO RECOMMENDED PROCEDURES.
4. THE CONTRACTOR SHALL DESIGNATE AN AREA FOR DISCHARGE OF SURPLUS CONCRETE, AND CONCRETE TRUCK DRUM WASH WATER. INSTALL A CONTAINMENT BERM AROUND THIS DESIGNATED AREA TO PREVENT RUNOFF BEYOND THE DESIGNATED AREA. ALL SURPLUS CONCRETE SHALL BE REMOVED FROM THE PROJECT SITE PRIOR TO FINAL INSPECTION.
5. THE CONTRACTOR SHALL UPON RELEASE, IMMEDIATELY INITIATE RECOMMENDED METHODS FOR SPILL CONTAINMENT AND CLEAN-UP.
6. THE THE CONTRACTOR SHALL, WITHIN 24-HOURS OF THE SPILL/RELEASE, NOTIFY THE 'STATE WARNING POINT' (AT 1.800.320.0519 OR 1.850.413.9911) OF ALL RELEASES EQUAL TO OR EXCEEDING THE REPORTABLE QUANTITY.
7. THE CONTRACTOR SHALL HANDLE, COLLECT, AND DISPOSE OF HAZARDOUS MATERIALS, SANITARY WASTE, AND CONSTRUCTION WASTE MATERIALS ACCORDING TO THE APPLICABLE STATE LAWS AND REGULATIONS, CITY ORDINANCES, OR AS DIRECTED BY THE CITY.

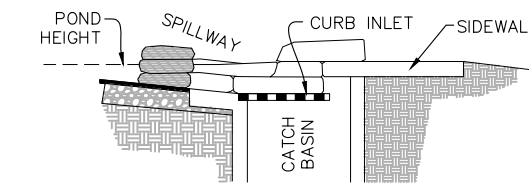
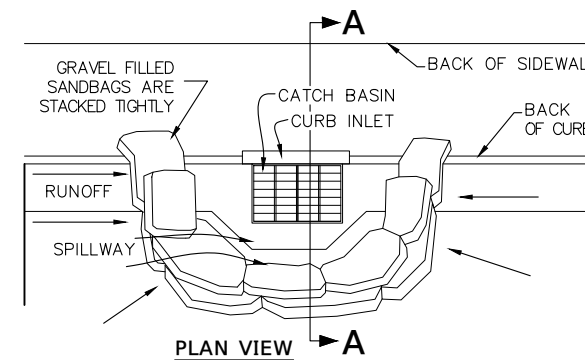
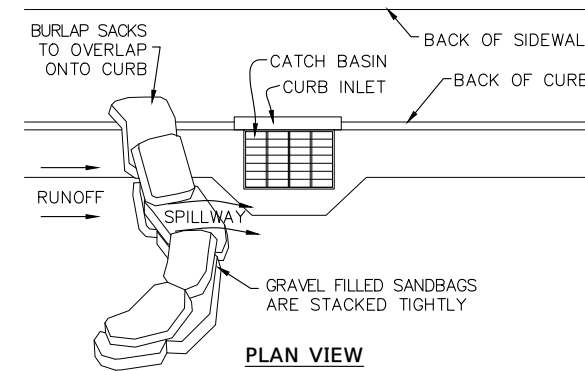
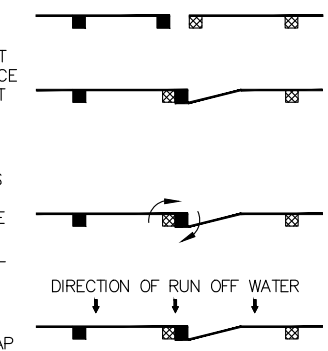
## EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL ADHERE TO ALL STATE AND LOCAL EROSION CONTROL REGULATIONS.
2. THE FOLLOWING PRACTICES WILL BE USED BY THE CONTRACTOR TO MAINTAIN EROSION AND SEDIMENT CONTROLS:
  - a) ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER.
  - b) IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
  - c) ALL POLLUTION CONTROLS SHALL BE MAINTAINED AT ALL TIMES.
  - d) BUILT-UP SEDIMENT WILL BE REMOVED FROM STAKED SILT FENCE WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE SILT FENCE.
3. THE CONTRACTOR SHALL PREVENT THE DISCHARGE OF SEDIMENT DUE TO CONSTRUCTION OPERATIONS. ALL NEW AND EXISTING DRAIN PIPES AND STRUCTURES SHALL BE FLUSHED CLEAN PRIOR TO FINAL PAYMENT.
4. ALL STORM SEWER INLETS SHALL BE PROTECTED BY THE CONTRACTOR SO THAT SEDIMENT LADEN WATER WILL NOT ENTER THE STORM SYSTEM WITHOUT FIRST BEING FILTERED.
5. ALL DISTURBED AREAS ARE TO BE SODDED. ALL STABILIZATION PRACTICES SHALL BE PERFORMED AS SOON AS PRACTICAL AT LOCATIONS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED AND, IN THE OPINION OF THE ENGINEER OF RECORD, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY, TO SURVIVE ADVERSE WEATHER CONDITIONS.
6. THE CONTRACTOR SHALL PLACE STAKED SILT FENCE(S) IN ACCORDANCE WITH CITY OF OCALA SPECIFICATIONS.
7. THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ALL FERTILIZERS, HYDROCARBON, OR OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
8. THE CONTRACTOR SHALL INSURE THAT LOADED HAUL TRUCKS BE COVERED WITH TARPULLIN(S), EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY, AND AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE DAMPENED WITH WATER AS REQUIRED FOR DUST CONTROL.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AS WELL AS REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES AFTER THE NOTICE OF TERMINATION. MAINTENANCE, AND REPAIR REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE PROJECT COST.
10. TOXIC SUBSTANCES SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE TO THE EPA'S STANDARD PRACTICES.
11. POLLUTION CONTROL MEASURES SHALL BE INSPECTED DAILY BY THE CONTRACTOR. WRITTEN DOCUMENTATION OF INSPECTIONS SHALL BE WRITTEN EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT OF 0.5 INCHES OR GREATER.
12. THE CONTRACTOR SHALL PROVIDE THE CITY OF OCALA WITH AN EROSION CONTROL PLAN THAT WILL INCLUDE SPILL REPORTING AND RESPONSE. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE ENGINEER OF RECORD.



### TYPICAL SILT FENCE DETAILS

#### PROCEDURE FOR ATTACHING TWO SILT FENCES



SECTION A-A

### CURB INLET SEDIMENT BARRIER

#### PROCEDURE NOTES

1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEDIMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

#### CURB AND GUTTER SEDIMENT BARRIER

1. PLACE GRAVEL FILLED BURLAP BAGS ON GENTLY SLOPING STREET SEGMENTS ACCORDING TO THE SPACING CHART (SEE PLATE 4.08p).
2. PLACE TWO OR MORE BAGS AT EACH INTERVAL IN A MANNER WHICH PROVIDES MAXIMUM SUPPORT.
3. WHEN STACKING SEVERAL BAGS HIGH, LEAVE A ONE BAG GAP TO PROVIDE AN OVERFLOW SPILLWAY.
4. SEDIMENTS MUST BE REMOVED AFTER EACH RAIN EVENT.

#### MAINTENANCE

1. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIR MADE AS NEEDED.
2. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS TO  $\frac{1}{2}$  OF THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

R E V I S I O N S		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 24111		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	OCALA City Engineer's Office		PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.		
---	---							4

**ABBREVIATIONS & SYMBOLOGY**

COED	CITY OF OCALA ENGINEERING DEPARTMENT	
	CB	CATCH BASIN
CONST	CONSTRUCT / INSTALL	
CLF	CHAIN LINK FENCE	
CNL	CONTROL	
Cr	CURB RAMP	
C.R.	COUNTY ROAD	
DRA	DRY RETENTION AREA	
EXIST	EXISTING	
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	
	FH	FIRE HYDRANT
	GA	GUY ANCHOR
	GV	NATURAL GAS VALVE
	LP	LAMP POLE
Lt	LEFT	
	MB	MAILBOX OR NEWSPAPER BOX
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	
	ELEC	METER ELECTRIC
	GAS	METER GAS
	WTR	METER WATER
MES	MITERED END SECTION	
NO.	NUMBER	
PED	PEDESTRIAN / PEDESTAL	
	PP	POWER POLE
PROP	PROPOSED	
QTY	QUANTITY	
Rt	RIGHT	
ROW	RIGHT-OF-WAY	
	CO	SANITARY CLEANOUT
	SAN	SANITARY MANHOLE
	SIGN	SIGN
SOL	SOLID	
SPI	STANDARD PLANS INDEX (NUMBER)	
	STM MH	STORM MANHOLE
St	STREET	
STS	PROPOSED DRAINAGE (STORMWATER) STRUCTURE	
	TEL	TELEPHONE MANHOLE
	TEL PED	TELEPHONE PEDESTAL / RISER
TYP	TYPICAL	
WD	WOOD	
	WV	WATER VALVE
WRA	WET RETENTION AREA	
X-WALK	CROSS WALK	
	PALM TREE	PALM TREE
	OAK TREE	OAK TREE
	OTHER TREE (NOT ALL INCLUSIVE)	OTHER TREE (NOT ALL INCLUSIVE)
	EDS-(00)	EXISTING DRAINAGE STRUCTURE IDENTITY

**TYPICAL LINETYPE LEGEND**

TOPOGRAPHICAL	EXISTING CONDITIONS	PROPOSED
TOPOGRAPHIC PROPERTY BOUNDARY/LIMITS	EDGE OF EXISTING CURB	EDGE OF PROPOSED CURB
TOPOGRAPHIC RIGHT-OF-WAY LINE	EDGE OF EXISTING SIDEWALK	EDGE OF PROPOSED SIDEWALK
TOPOGRAPHIC CENTERLINE OF RIGHT-OF-WAY	EDGE OF EXISTING PAVEMENT	EDGE OF PROPOSED PAVEMENT
TOPOGRAPHIC PARCEL LINE	EDGE OF EXISTING DRIVEWAY (ALL TYPES)	EDGE OF PROPOSED DRIVEWAY (ALL TYPES)
TOPOGRAPHIC SECTION LINE	EXISTING FENCE (TYPE LABELED)	PROPOSED FENCE (TYPE LABELED)
TOPO SURFACE CONTOUR: 5' INTERVAL	EXISTING OVERHEAD POWER	PROPOSED OVERHEAD POWER
TOPO SURFACE CONTOUR: 1' INTERVAL	EXISTING POTABLE WATER	PROPOSED POTABLE WATER
TOPO TOP OF BANK / TOE OF SLOPE	EXISTING DRAINAGE (w FLOW DIRECTION)	PROPOSED DRAINAGE (w FLOW DIRECTION)
TOPO PAVEMENT: CENTERLINE / CROWN	EXISTING GRAVITY SANITARY SEWER	PROPOSED GRAVITY SANITARY SEWER
TOPO PAVEMENT: GRADE BREAK	EXISTING FORCE MAIN SANITARY SEWER	PROPOSED FORCE MAIN SANITARY SEWER
TOPO PAVEMENT: INVERTED CROWN / FLOWLINE	EXISTING STORM WATER SEWER	PROPOSED STORM WATER SEWER
TOPOGRAPHIC FLOOD ZONE LIMITS		
	EXISTING NATURAL GAS	PROPOSED NATURAL GAS
	EXISTING BURIED ELECTRIC POWER	PROPOSED BURIED ELECTRIC POWER
	EXISTING FIBER OPTIC COMMUNICATION	PROPOSED FIBER OPTIC COMMUNICATION
	EXISTING STRIPING TO BE RETAINED	PROPOSED STRIPING
		PROPOSED NOISE WALL

THE ABOVE LINE-TYPES HAVE BEEN EXTRACTED FROM OCALA CITY ENGINEER'S OFFICE - SURVEY DIVISION

**SURVEY / TOPO ABBREVIATIONS**

	BOS	BACK OF SIDEWALK
	CIRC	CIRCULAR IRON ROD CONTROL
	CM	CONCRETE MONUMENT
	CP	CONTROL POINT
	CMP	CORRUGATED METAL PIPE
		DESCRIPTIVE POINT
	ERC	ELLIPTICAL REINFORCED CONCRETE PIPE
	ES	EXISTING DRAINAGE STRUCTURE
	MTL	METAL
	PC	POINT OF CURVATURE
	PCC	POINT OF COMPOUND CURVE
	PGL	PROFILE GRADE LINE
	PRC	POINT OF REVERSE CURVE
	PT	POINT OF TANGENCY
	TBM	TEMPORARY BENCH MARK
	TOB	TOP OF BANK
	TOE	TOE OF SLOPE
	TRAV PT	TRAVERSE POINT

FOR A COMPLETE LISTING OF TYPICAL ABBREVIATIONS, REFER TO FDOT STANDARD PLANS LOCATED AT [www.fdot.gov/design/standardplans/current/](http://www.fdot.gov/design/standardplans/current/)

**TYPICAL HATCH PATTERN LEGEND**

TYPICAL MATERIAL TYPE HATCH PATTERNS WITHIN THE ROADWAY PLAN SHEETS ARE DEFINED AS FOLLOWS:

	MILL AND RESURFACE EXISTING ASPHALT PAVEMENT PER FDOT DESIGN SPECIFICATIONS		PROPOSED ASPHALT PAVEMENT AND LIMEROCK BASE PER TYPICAL FDOT DESIGN SPECIFICATIONS
	DETECTABLE WARNING SURFACE (RED BRICK COLOR WHERE APPLICABLE)		TYPICAL GRASS MEDIAN w ARGENTINE BAHIA
			PROPOSED TYPE IV, OPTION 1, CONCRETE SEPARATOR

REFER TO CITY OF OCALA 'STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STREETS, STORMWATER, TRAFFIC, WATER AND SEWER INFRASTRUCTURE' PUBLISHED BY THE OFFICE OF CITY ENGINEER - October 2018


DATE		DESCRIPTION		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 24111		SHEET No.
---		---		NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL				PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.		5
<b>ABBREVIATIONS &amp; LEGENDS</b>										

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

SUMMARY OF ROADWAY			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
G-01	Mobilization	LS	1
G-03	Project Sign	EA	2
G-05	Maintenance of Traffic	LS	1
G-06	Silt Fence & Sediment Control	LF	122
FDOT-104-18	Inlet Protection System	EA	6
G-09	Clearing and Grubbing - Light	SY	2,103.00
G-11	General Excavation	CY	1,043.15
G-15	Grading (Finish)	SY	782.97
G-17	Remove & Replace Unsuitable Material	CY	260.79
G-18	Stabilized subgrade & Sub-base	SY	2,423.83
G-19	Limerock 10" Base	SY	2,055.16
G-21	Removal of Existing Concrete Sidewalks and Driveways	SY	102.00
G-22	Removal of Existing Concrete Curb & Gutter	LF	185.50
G-27-2	Mill Existing Asphalt Pavement at 1" Depth	SY	1,280.32
G-27-4	Mill Existing Asphalt Pavement at 1.5" Depth	SY	2,623.82
G-32-1	SP 9.5 Asphalt Superpave	TN	399.91
G-32-2	SP 12.5 Asphalt Superpave	TN	339.10
G-52	Construction Survey	LS	1
G-53	As-Built Drawings: Survey, Roadway, & Utilities	LS	1
G-56-E-2	Concrete Curb and Gutter, Type E	LF	588
G-80	Sod, Bahia	SY	522.00
FDOT-520- 5-42	6' Type IV Concrete Traffic Separator	LF	284

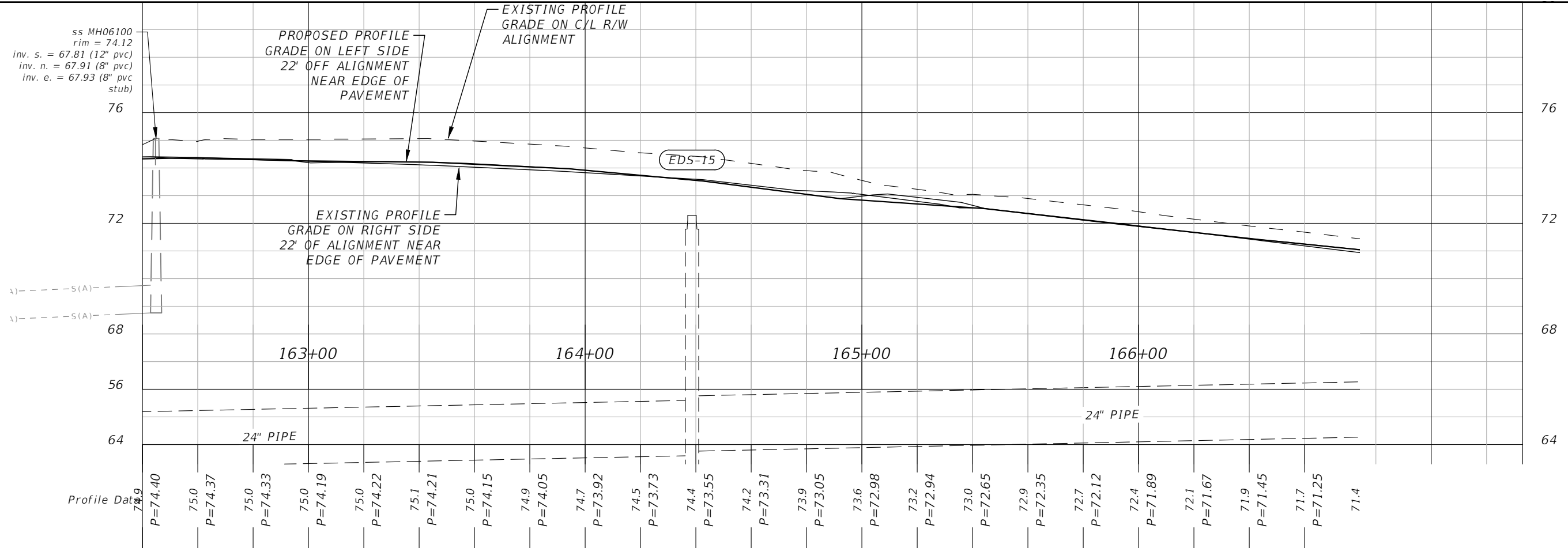
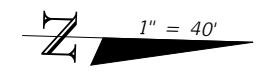
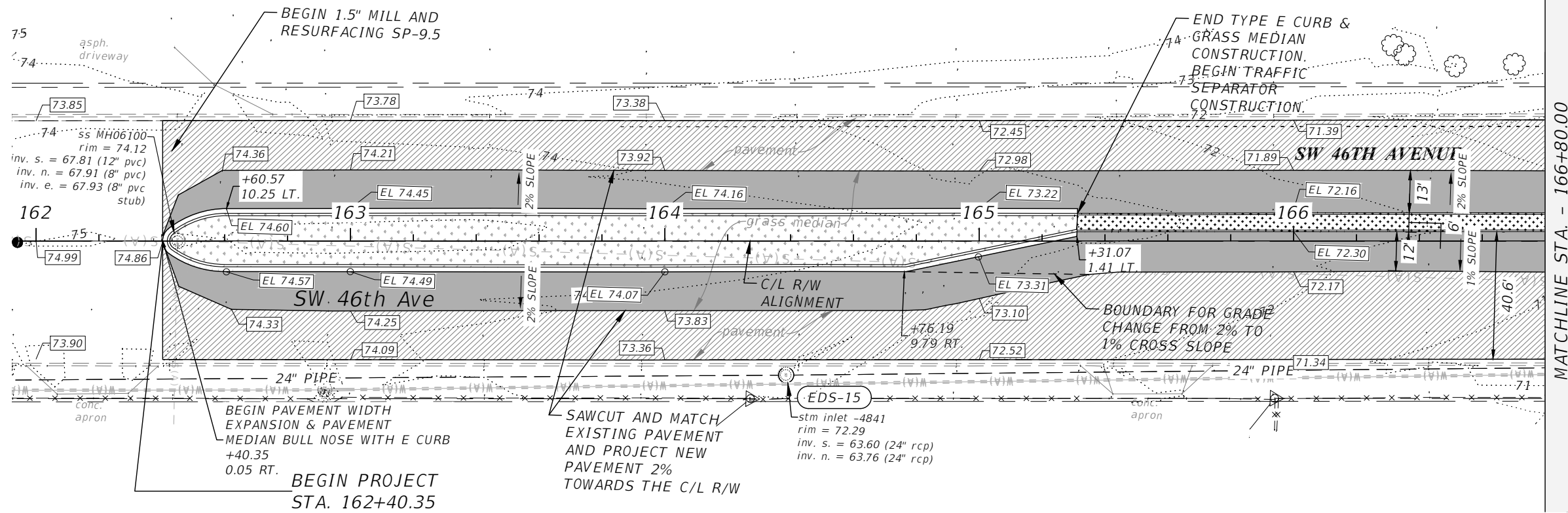
SUMMARY OF POTABLE WATER			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
W-01-1-12	12" PVC WATER MAIN	LF	1,509
W-03-2-12	DIP MJ FITTINGS 12"	EA	4
W-05-2-12	12" BUTTERFLY VALVE & VALVE BOX	EA	2
W-16-16-12	12" TAP ON EXISTING 16" WATER MAIN W/VALVE & SST STEM	EA	1
W-17-12-2	BORE AND JACK 24" STEEL CASING W/12" DIP	LF	220

SUMMARY OF TRAFFIC CONTROL			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
G-34-1	Object Marker, Type 1	EA	1
G-89-111	Single Post Sign, F & I, Less than 12 Sq. ft.	AS	8
G-91	Raised Retro-Reflective Pavement Marker w/ Adhesive	EA	111
G-93-121	Temporary Traffic Stripes and Markings, Standard, White, Solid, 6" Stripe	LF	1,915
G-93-131	Temporary Solid 6" Skip Stripe 10' x 30' White (Gross)	LF	372
G-93-141	Temporary Solid 6" Skip Stripe 2' x 4' White (Gross)	LF	300
G-93-221	Temporary Traffic Stripes and Markings, Standard, Yellow, Solid, 6" Stripe	LF	1,421
G-93-224	Temporary Traffic Stripes and Markings, Standard, Yellow, Solid, 18" Stripe	LF	138
G-93-4	Temporary Traffic Stripes and Markings, Standard, White, Solid, 24" Stripe	LF	158
G-93-6	Temporary Traffic Stripes and Markings, Standard, White, Solid, 12" Stripe	LF	167
G-94-1-121	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 6" Stripe	LF	1,915
G-94-1-131	ThermoPlastic Solid 6" Skip Stripe 10' x 30' White (Gross)	LF	372
G-94-1-141	ThermoPlastic Solid 6" Skip Stripe 2' x 4' White (Gross)	LF	300
G-94-1-221	Thermoplastic Traffic Stripes and Markings, Standard, Yellow, Solid, 6" Stripe	LF	1,421
G-94-1-224	Thermoplastic Traffic Stripes and Markings, Standard, Yellow, Solid, 18" Stripe	LF	138
G-94-4	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 12" Stripe	LF	167
G-94-6	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 24" Stripe	LF	158
G-95-16	Thermoplastic Pavement Message	EW	2
G-95-17	Thermoplastic Pavement Arrow	EA	15
G-96-16	Temporary Pavement Message	EW	2
G-96-17	Temporary Pavement Arrow	EA	15

DATE		DESCRIPTION		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 24111		SHEET No.
12/18/24	1/6/25	Revised 2-4' Quantities	Revised Quantities (6" Sol. White, 6" Sol. Yellow, RPMs, & Pavement Marking Removal)	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL				PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.		

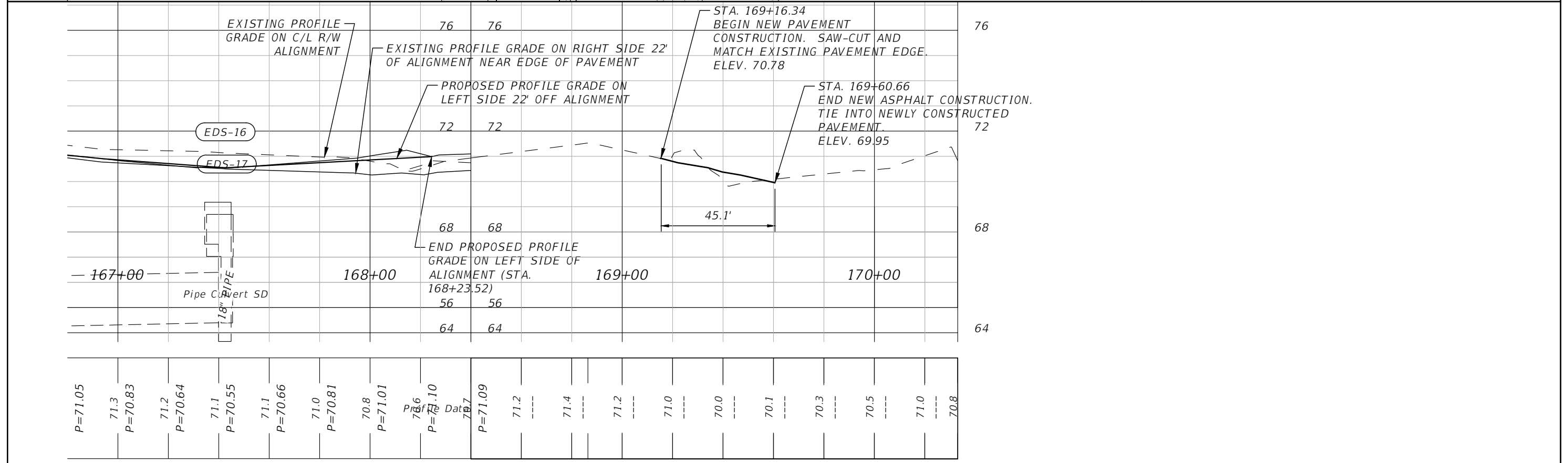
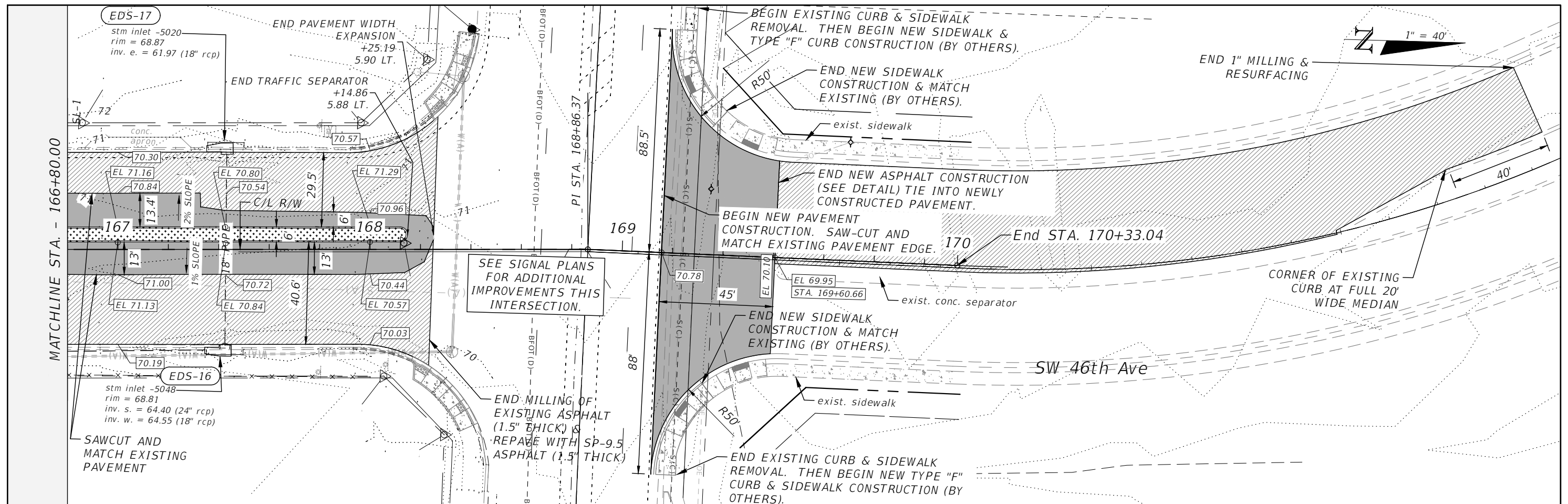
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REVISIONS		PREPARED BY		PROJECT NO. 24111		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.		
				ROADWAY PLAN & PROFILE (1)		8
NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.						

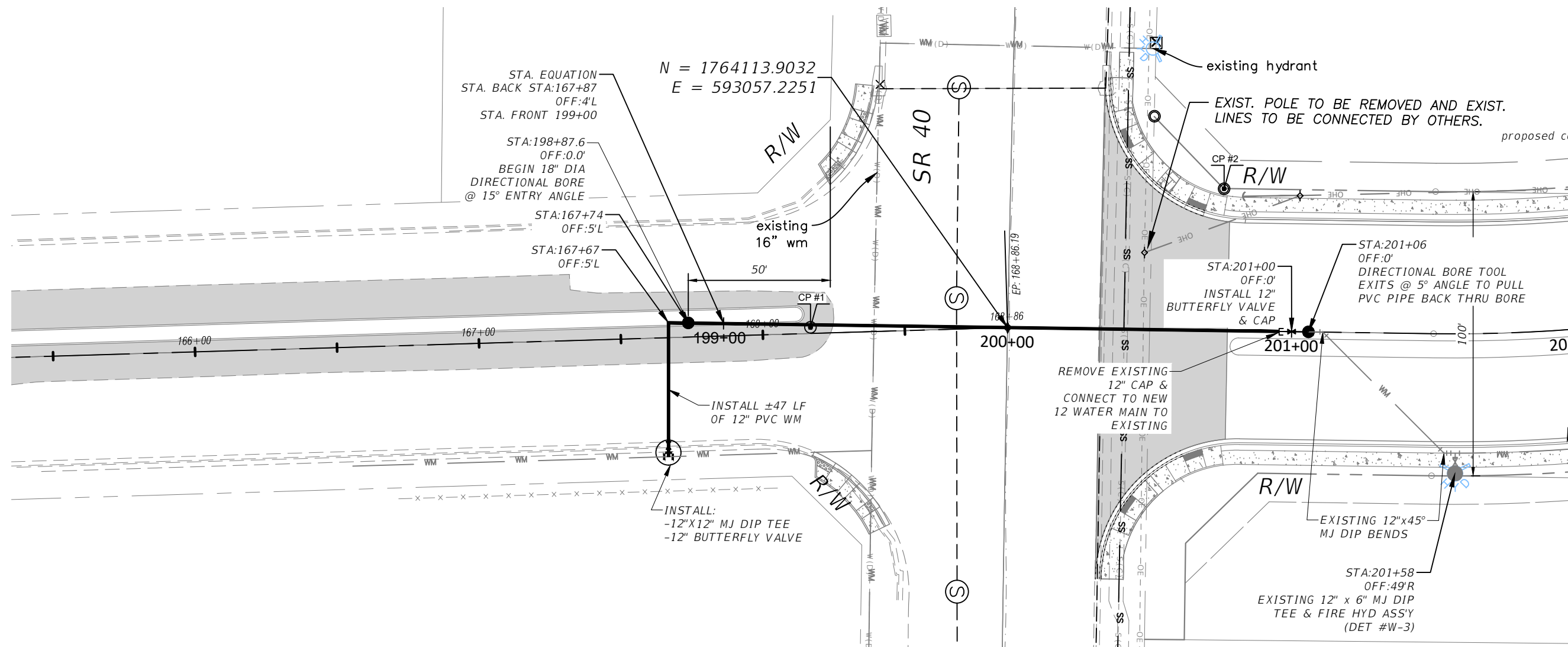
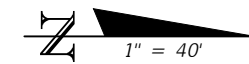




REVISIONS		PREPARED BY		PROJECT NO.	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	PROJECT NAME	
1/27/25	ADDED 1" PAVEMENT MILLING, N OF SR 40.		NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	24111	9
			Gary Anson	SW 46TH AVE AT SR 40 PAVEM'T. EXP.	

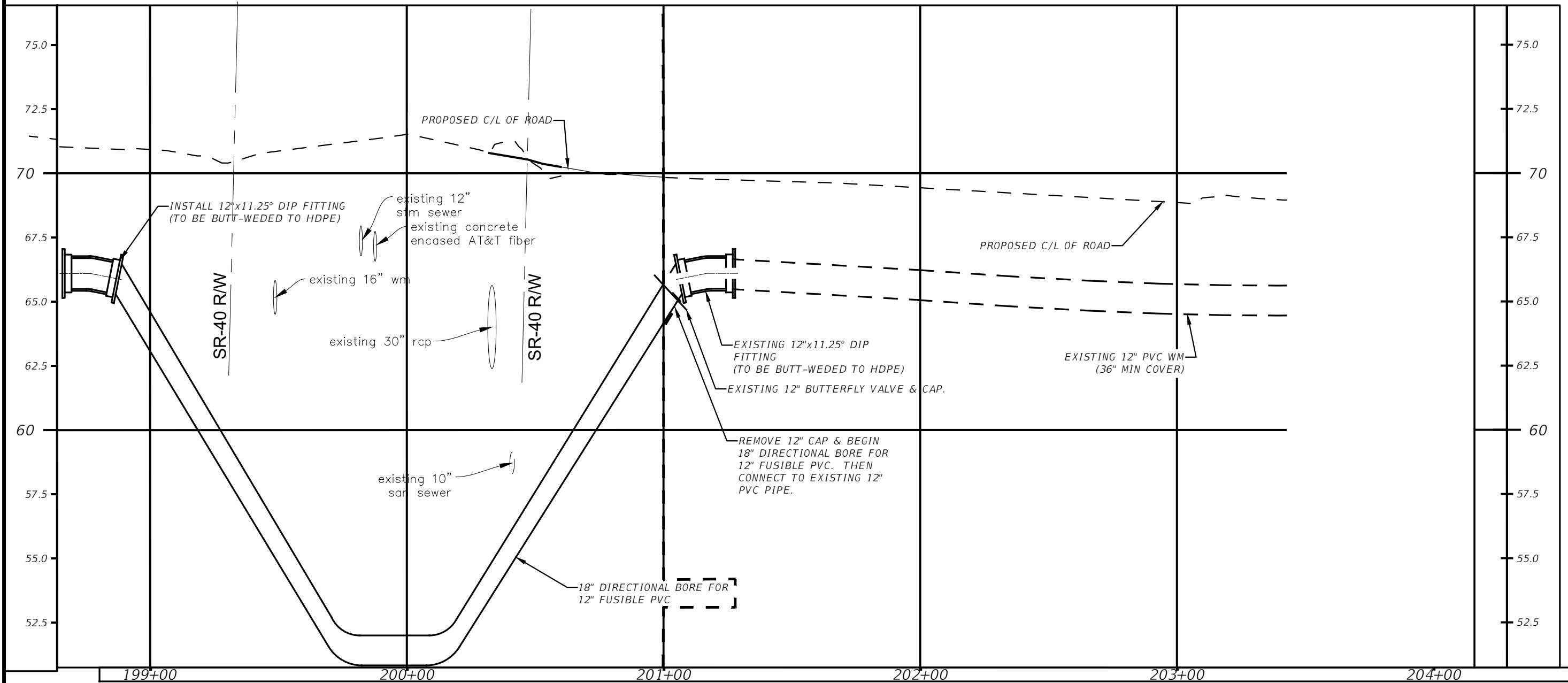
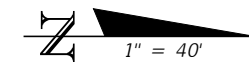


**ROADWAY PLAN & PROFILE (2)**



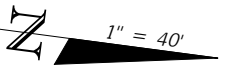
REVISIONS				ENGINEER OF RECORD	PREPARED BY	PROJECT No. 24111	SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	HECTOR A. COLON, P.E. P.E. LICENSE NUMBER: 84007 CITY OF OCALA, FLORIDA 1805 NE 30TH AVENUE OCALA, FLORIDA 34470		PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.	10
						<b>DIRECTIONAL - SR 40 (PLAN)</b>	

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



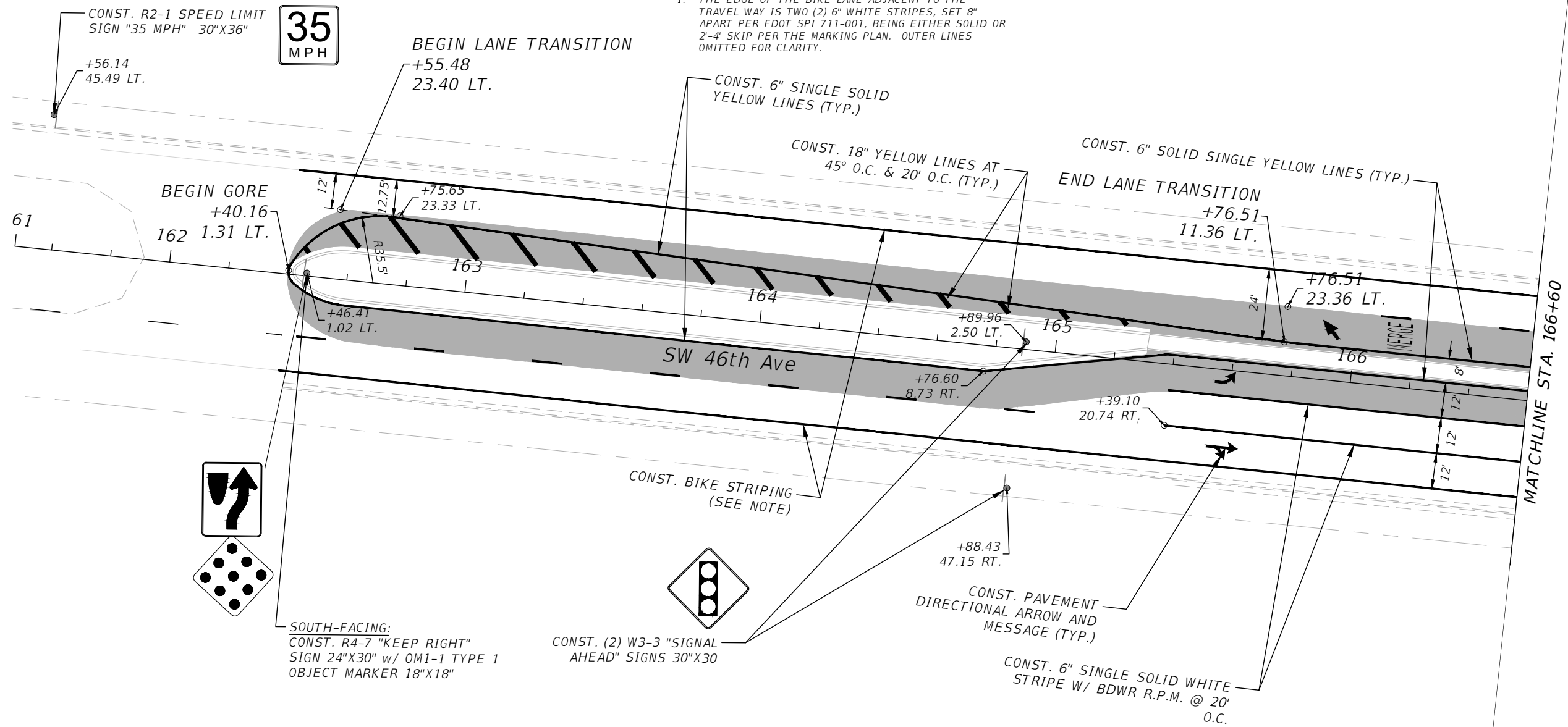
R E V I S I O N S				ENGINEER OF RECORD	PREPARED BY	PROJECT No. 24111	SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	HECTOR A. COLON, P.E. P.E. LICENSE NUMBER: 84007 CITY OF OCALA, FLORIDA 1805 NE 30TH AVENUE OCALA, FLORIDA 34470		PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.	
---	---					<b>DIRECTIONAL - SR 40</b> <b>(PROFILE)</b>	11

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



**BIKE STRIPING NOTE:**

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2"-4" SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.



SOUTH-FACING:  
CONST. R4-7 "KEEP RIGHT"  
SIGN 24"X30" w/ OM1-1 TYPE 1  
OBJECT MARKER 18"X18"

CONST. (2) W3-3 "SIGNAL  
AHEAD" SIGNS 30"X30

CONST. PAVEMENT  
DIRECTIONAL ARROW AND  
MESSAGE (TYP.)

CONST. 6" SINGLE SOLID WHITE  
STRIPE W/ BDWR R.P.M. @ 20'  
O.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
1/25/23	Revised Striping	---	---
2/9/23	Revised Project's Starting Point	---	---
4/6/23	Revised Notes, Pavement Markings, & Signs	---	---

NOEL JOHN COOPER, P.E.  
P.E. LICENSE NUMBER 69534  
STATE OF FLORIDA, DATE: \_\_\_\_\_  
VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

Gary Anson

NW 44th AVENUE EXTENSION

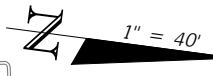
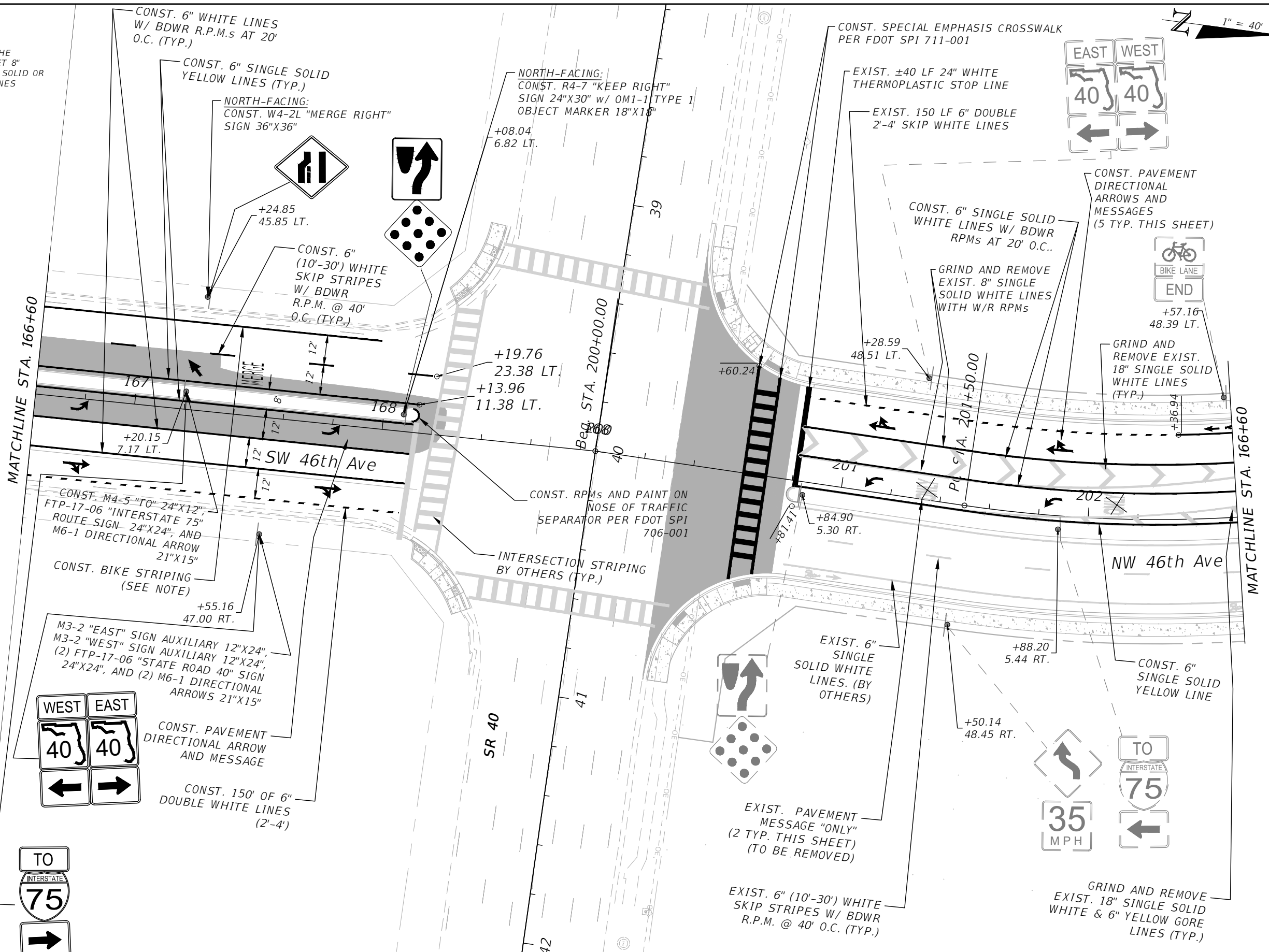
**SIGNING & PAVEMENT  
MARKING**

SHEET  
NO.  
12

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**BIKE STRIPING NOTE:**

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4" SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.



MATCHLINE STA. 166+60

MATCHLINE STA. 166+60

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
1/25/23	Revised Striping	1/6/25	Revised 6" Solid White, 6" Solid Yellow, RPMs, & Pavement Marking Removal North of SR 40.
2/9/23	Revised Project's Starting Point		
4/6/23	Revised Notes, Pavement Markings, & Signs.		
12/18/24	Revised Notes & 2'-4' Pavement Markings.		

NOEL JOHN COOPER, P.E.  
 P.E. LICENSE NUMBER 69534  
 STATE OF FLORIDA, DATE: \_\_\_\_\_  
 VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

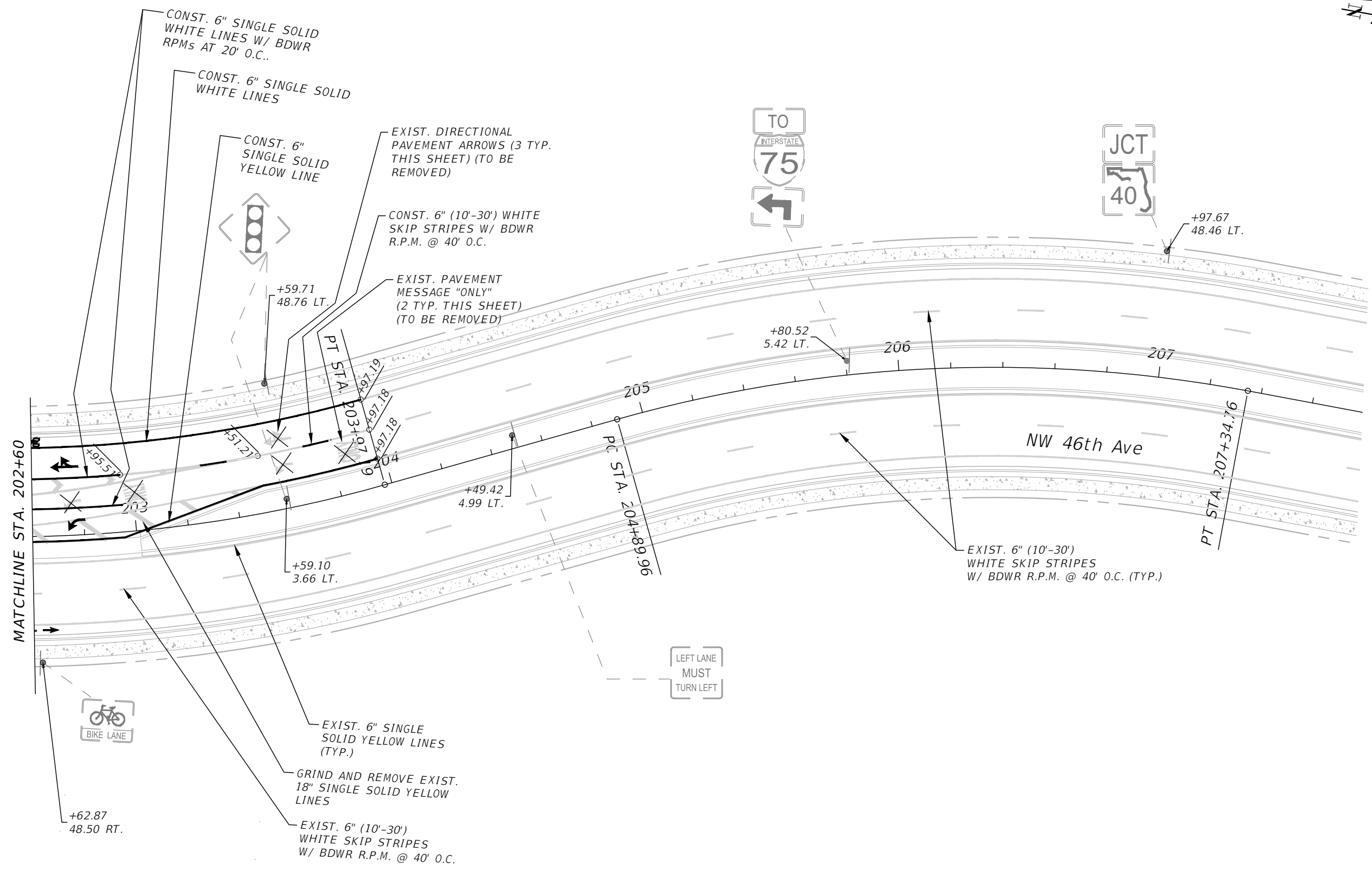
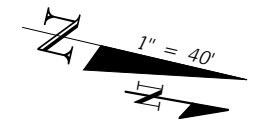
Gary Anson

NW 44th AVENUE EXTENSION

# SIGNING & PAVEMENT MARKING

SHEET NO.  
13

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REVISIONS		PREPARED BY		NW 44th AVENUE EXTENSION		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION				
1/2/25	Added Revised Striping	---	---	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		<b>SIGNING &amp; PAVEMENT MARKING</b>	
1/6/25	Revised 6" Solid White, 6" Solid Yellow, RPMs, & Pavement Marking Removal North of SR 40.	---	---				


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

**YOUR TAX DOLLARS AT WORK....**

street name  
Contract No. CIP/250303


**CITY OF OCALA, FLORIDA**

**CITY COUNCIL:**

<p><b>Barry Mansfield</b> DISTRICT 1</p> <p><b>Ire Bethea, Sr.</b> (COUNCIL PRESIDENT PRO-TEM) DISTRICT 2</p> <p><b>Jay Musleh</b> DISTRICT 3</p> <p><b>Kristen Dreyer</b> (COUNCIL PRESIDENT) DISTRICT 4</p> <p><b>James Hilty, Sr.</b> DISTRICT 5</p> <p><b>Ben Marciano</b> MAYOR</p>	 <b>CONTRACTOR</b> (name) <b>PROJECT COST</b> (bid amount) <b>START DATE</b> (mm - dd - yyyy) <b>COMPLETION DATE</b> (mm - dd - yyyy)
--	--


**FOR PROJECT INFORMATION CONTACT:  
CAPITAL IMPROVEMENT PROJECTS DIVISION  
352-629-8419**

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

R E V I S I O N S				ENGINEER OF RECORD	PREPARED BY	PROJECT No. 24111	SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	<small>NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL</small>		PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.	
---							<i>PROJECT SIGN</i>

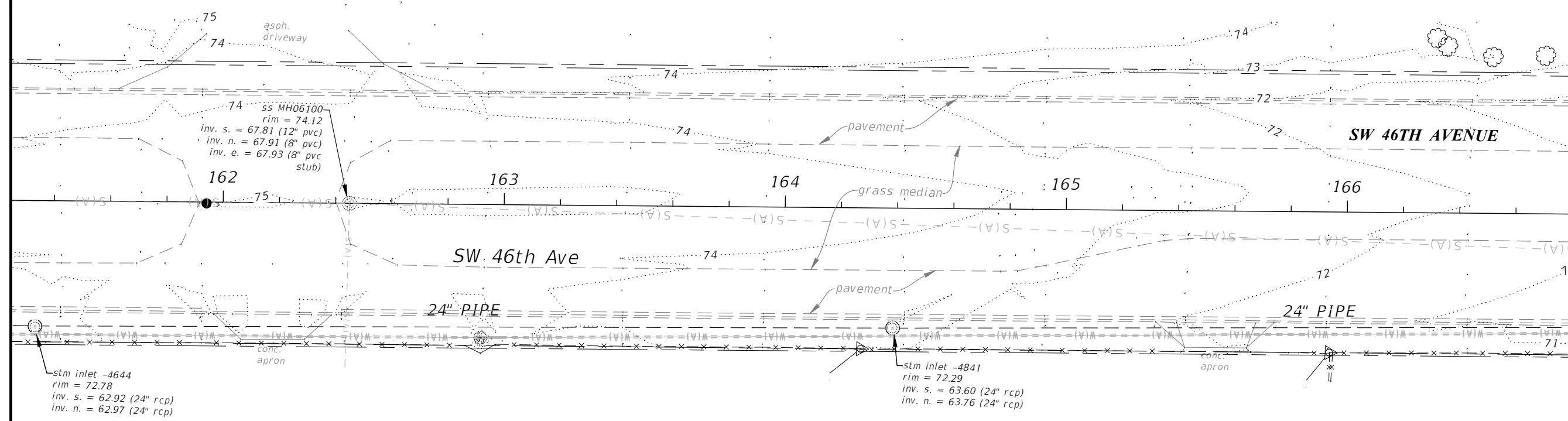
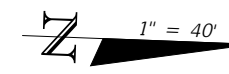
## Point Table

PT. NO.	POINT DESCRIPTION	(X) EASTING	(Y) NORTHING	SCALE FACTOR	CONVERGENCE	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) (NGVD) ELEVATION
14	CIRC /C00 CP	593057.149	1764044.513	0.99994574	-000° 05' 47"	029° 11' 10.285"	-082° 11' 52.012"	40+01.30	69.38 Rt	70.42
94	CNL /C00BM AKA TP23	592971.643	1764069.038	0.99994575	-000° 05' 48"	029° 11' 10.526"	-082° 11' 52.977"	39+15.56	46.76 Rt	71.34
125	CIRC /C0ED FD	593156.732	1768561.020	0.99994573	-000° 05' 47"	029° 11' 55.001"	-082° 11' 50.974"	244+91.77	52.17 Lt	66.08
204	CIRC /C00CP	592673.961	1764457.748	0.99994580	-000° 05' 49"	029° 11' 14.370"	-082° 11' 56.343"	204+96.71	319.43 Lt	73.77
207	CIRC /C00CP	592771.366	1765402.477	0.99994578	-000° 05' 49"	029° 11' 23.724"	-082° 11' 55.262"	213+12.25	148.01 Lt	65.52
210	IRC /C00CP	592388.279	1765884.374	0.99994584	-000° 05' 51"	029° 11' 28.489"	-082° 11' 59.593"	215+88.31	612.59 Lt	68.39
213	CIRC /C00CP	592942.820	1766614.792	0.99994576	-000° 05' 48"	029° 11' 35.730"	-082° 11' 53.351"	225+51.53	145.54 Lt	76.44
214	CIRC /C00CP	592979.910	1766100.013	0.99994575	-000° 05' 48"	029° 11' 30.634"	-082° 11' 52.922"	220+37.14	103.33 Lt	71.79
216	CIRC /C00CP	592902.278	1766973.743	0.99994576	-000° 05' 48"	029° 11' 39.283"	-082° 11' 53.815"	229+10.32	189.38 Lt	75.94
217	CIRC /C00CP	592619.060	1767317.157	0.99994580	-000° 05' 50"	029° 11' 42.678"	-082° 11' 57.017"	232+51.30	475.52 Lt	71.65
218	CIRC /C00CP	593003.072	1767195.348	0.99994575	-000° 05' 48"	029° 11' 41.478"	-082° 11' 52.682"	231+32.78	90.48 Lt	72.84
219	CIRC /C00CP	593031.056	1767943.948	0.99994574	-000° 05' 48"	029° 11' 48.890"	-082° 11' 52.380"	238+81.59	68.91 Lt	72.24
244	CIRC /C00CP	591900.780	1768056.893	0.99994591	-000° 05' 54"	029° 11' 49.989"	-082° 12' 05.136"	2+53.18	6.86 Lt	64.23
262	CNL /C00BM AKA TP10	591911.517	1767821.835	0.99994591	-000° 05' 54"	029° 11' 47.662"	-082° 12' 05.010"	0+18.35	8.19 Rt	65.90
263	CNL /C00CP AKATP8	592222.451	1768061.667	0.99994586	-000° 05' 52"	029° 11' 50.042"	-082° 12' 01.506"	6+07.33	33.32 Rt	65.76
264	CIRC /C00CP AKA TP7	592648.132	1768066.334	0.99994580	-000° 05' 50"	029° 11' 50.095"	-082° 11' 56.703"	10+33.17	26.16 Rt	71.61
275	CNL /C00BM AKA TBMK1	593170.140	1768334.533	0.99994572	-000° 05' 47"	029° 11' 52.759"	-082° 11' 50.818"	242+85.22	40.31 Rt	66.53
287	CIRC /C00CP	593225.244	1764155.647	0.99994572	-000° 05' 46"	029° 11' 11.388"	-082° 11' 50.117"	41+67.59	44.26 Lt	68.69
747	CIRC /SET 5/8" C00 CP	592867.893	1765252.128	0.99994577	-000° 05' 48"	029° 11' 22.237"	-082° 11' 54.170"	211+62.89	49.96 Lt	64.25
748	CIRC /C00CP	593114.478	1764334.070	0.99994573	-000° 05' 47"	029° 11' 13.153"	-082° 11' 51.370"	202+14.14	58.30 Rt	68.33
749	CIRC /C00CP	593059.950	1764334.028	0.99994574	-000° 05' 47"	029° 11' 13.151"	-082° 11' 51.986"	202+19.80	4.10 Rt	69.50
750	CIRC /SET 5/8" C00 CP	592581.981	1765422.256	0.99994581	-000° 05' 50"	029° 11' 23.917"	-082° 11' 57.399"	213+30.11	337.58 Lt	66.90
761	CIRC /C00 CP	593037.690	1766026.318	0.99994574	-000° 05' 47"	029° 11' 29.905"	-082° 11' 52.269"	219+60.57	42.75 Lt	71.23
787	CIRC /SET C00CP	592872.323	1767658.140	0.99994577	-000° 05' 48"	029° 11' 46.058"	-082° 11' 54.166"	235+94.44	225.19 Lt	73.63

REVISIONS		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 24111		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.		
---	---					R. KELLY ROBERTS, P.S.M. P.S.M. LICENSE NUMBER: 5558 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL		<b>SURVEY CONTROL POINTS TABLE</b>

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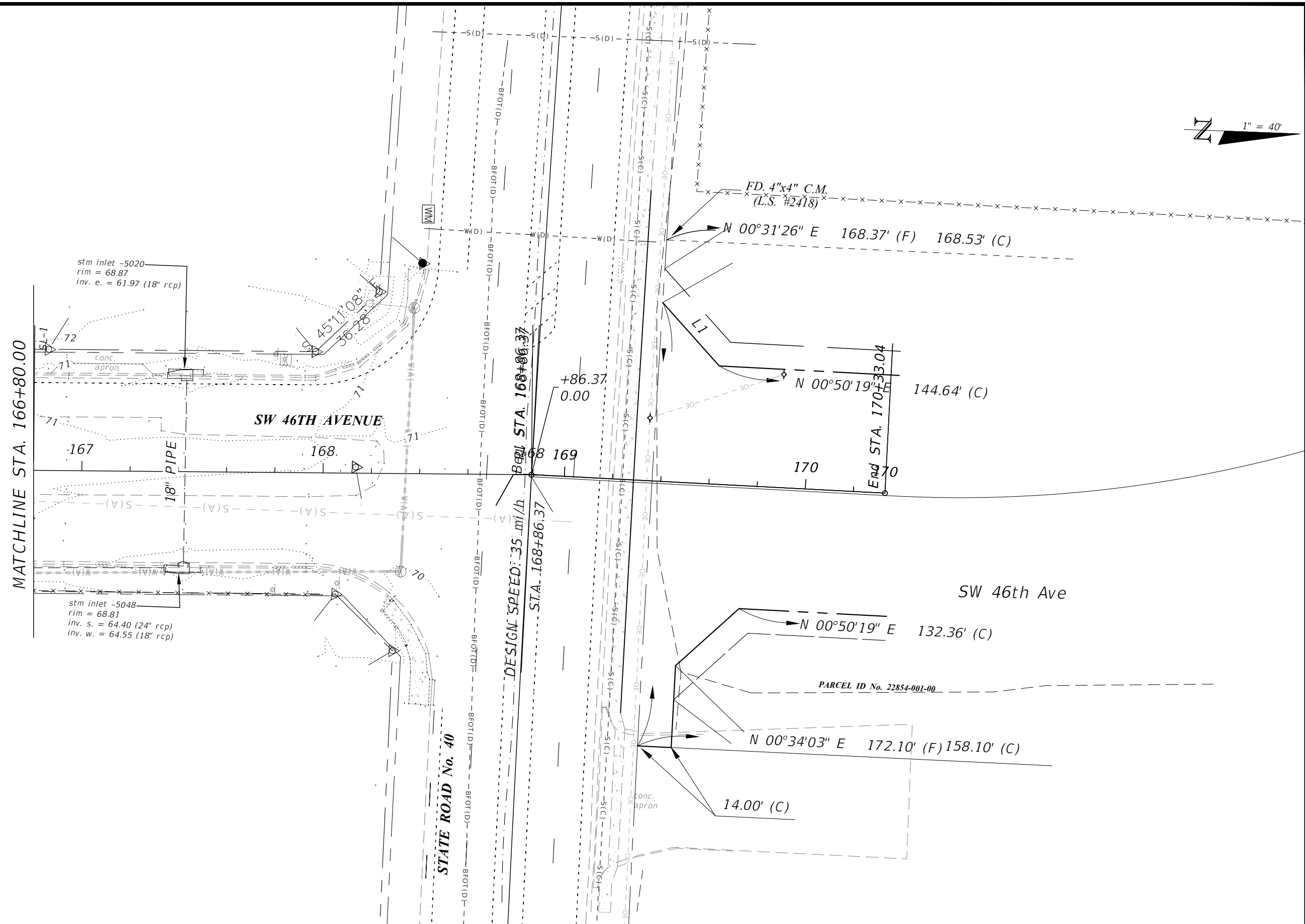
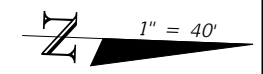




MATCHLINE STA. 166+80.00

REVISIONS		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 24111	
DATE	DESCRIPTION	DATE	DESCRIPTION	PROJECT NAME: SW 46TH AVE AT SR 40 PAVEM'T. EXP.		SHEET No.	
				<b>OCALA</b> CITY ENGINEER'S OFFICE		<i>EXISTING TOPO (1)</i>	

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REVISIONS		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 24111	
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						SHEET No. 503	

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