



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

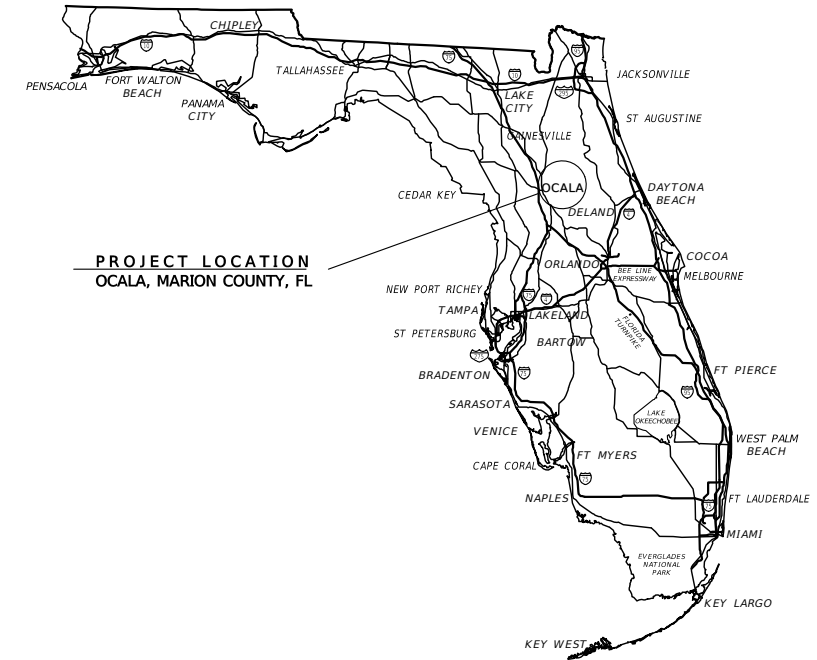
CONTRACT PLANS

PROJECT ID: ENGCIP23-0008

SW 44th AVE ROUNDABOUT (N OF SW 32nd ST)

90% PLANS

- NOT FOR CONSTRUCTION -
 ISSUE DATE: 11/20/2024



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	LONDON 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)

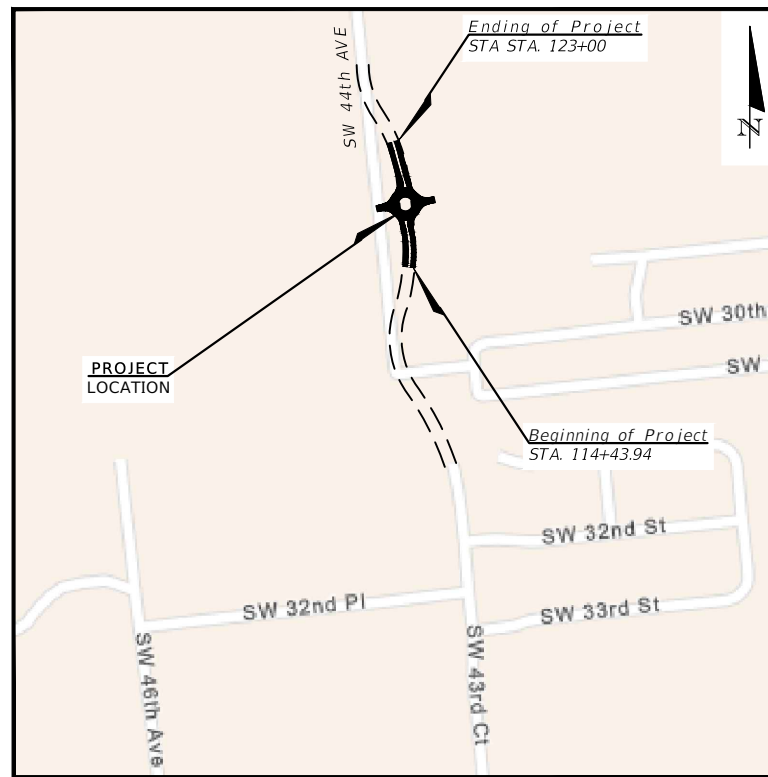
FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (FY 2024-25 Version)

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)

2023 FDOT DESIGN MANUAL (EFFECTIVE JANUARY 1, 2023) (FDM 213 MODERN ROUNDABOUTS)



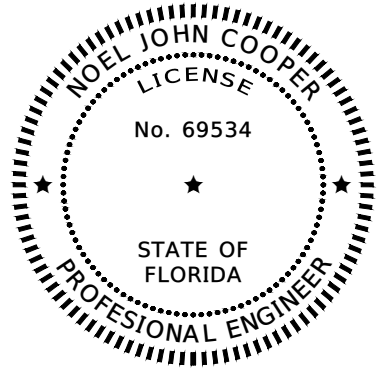
POSTED SPEED LIMIT

SW 43rd CT/ SW 44th AVE = 40 MPH

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R E V I S I O N S				ENGINEER OF RECORD		PREPARED BY		PROJECT No. 23101		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION			OCALA City Engineer's Office		PROJECT NAME: SW 44th AVE ROUNDABOUT		
---	---	---	---	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL				KEY SHEET		1



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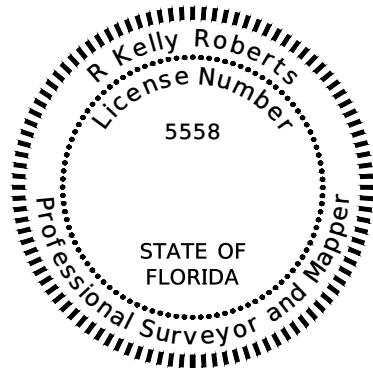
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CITY OF OCALA
CITY ENGINEER'S OFFICE
TRANSPORTATION ENGINEERING
1805 NE 30TH AVE., BLDG. 300
OCALA, FLORIDA 34470

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

SHEET INDEX

- 1 - KEY SHEET
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CITY OF OCALA
CITY ENGINEER'S OFFICE
CHIEF LAND SURVEYOR
1805 NE 30TH AVE., BLDG. 700a
OCALA, FLORIDA 34470

THE ABOVE NAMED PROFESSIONAL SURVEYOR & MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.060,17.062, F.A.C.

PLAN SHEET INDEX

- S01 - SURVEY CONTROL POINTS TABLE
- S02 thru S03 - EXISTING TOPO

R E V I S I O N S				ENGINEER OF RECORD	PREPARED BY	PROJECT No. 23101	SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL	OCALA City Engineer's Office	PROJECT NAME: SW 44TH AVE ROUNDABOUT	
---	---					<i>SIGNATURE SHEET</i>	2

GENERAL NOTES:

1. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF OCALA ENGINEER OF RECORD.
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.

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.

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

R E V I S I O N S		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 23101		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME: SW 44TH AVE ROUNDABOUT		
---	---					NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL		<i>GENERAL NOTES (1)</i>

ENVIRONMENTAL NOTES:

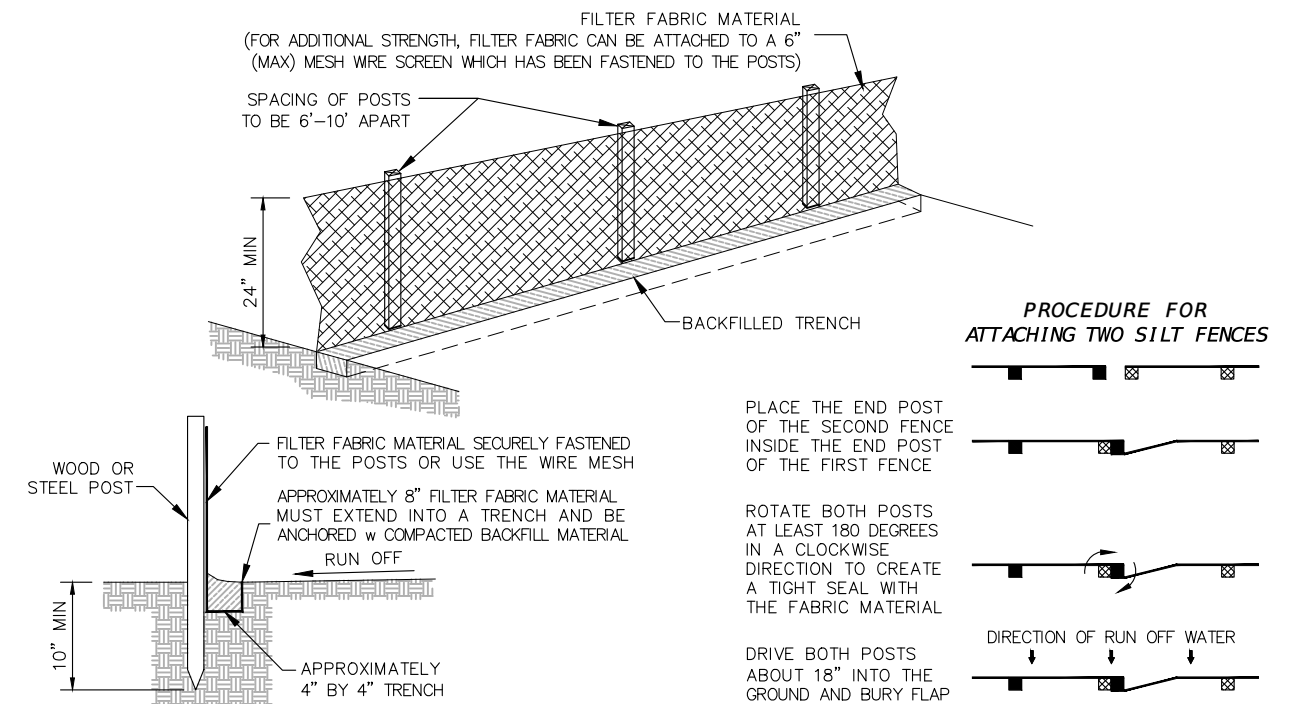
1. THE CONTRACTOR SHALL FORMULARIZE THEMSELVES WITH THE GENERAL NOTES AND FDOT NOTES THAT ARE PROVIDED IN THIS PLAN SET ON A SEPARATE SHEET
2. THE CITY OF OCALA OPERATES UNDER A FDEP NPDES 'GENERAL PERMIT THAT REQUIRES THE CITY AND, IN TURN, ITS CONTRACTORS TO FOLLOW CERTAIN AND SPECIFIC ENVIRONMENTAL 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

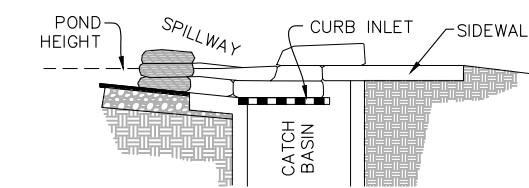
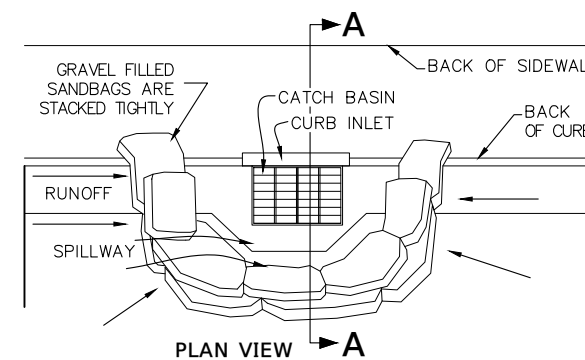
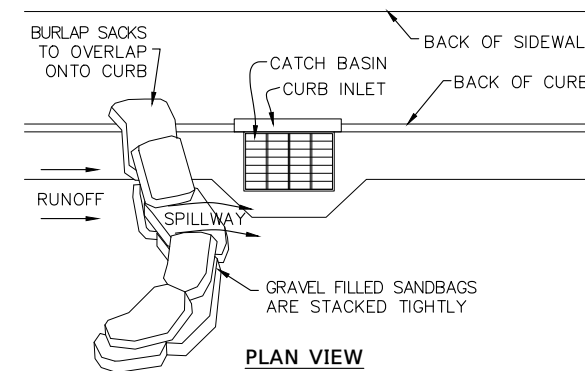
1. THE CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES TO MINIMIZE THE RISK OF SPILLS OR UNINTENDED EXPOSURE OF PETROLEUM AND OTHER HAZARDOUS MATERIALS TO STORMWATER RUNOFF OR SEEPAGE INTO THE GROUNDWATER
2. THE CONTRACTOR SHALL HAVE PRE-PREPARED PROCEDURES CLEARLY POSTED FOR SPILL CONTAINMENT AND 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 EPAS 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 EPAS 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



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 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. 23101		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	OCALA City Engineer's Office		PROJECT NAME: SW 44TH AVE ROUNDABOUT		
---	---			NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL		ENVIRONMENTAL NOTES		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	TELEPHONE PEDESTAL / RISER
	TYP	TYPICAL
	WD	WOOD
	WV	WATER VALVE
	WRA	WET RETENTION AREA
	X-WALK	CROSS WALK
		PALM TREE
		OAK TREE
		OTHER TREE (NOT ALL INCLUSIVE)
	(EDS-00)	STORM STRUCTURE IDENTITY

TYPICAL LINETYPE LEGEND

TOPOGRAPHICAL	
	TOPOGRAPHIC PROPERTY BOUNDARY/LIMITS
	TOPOGRAPHIC RIGHT-OF-WAY LINE
	TOPOGRAPHIC CENTERLINE OF RIGHT-OF-WAY
	TOPOGRAPHIC PARCEL LINE
	TOPOGRAPHIC SECTION LINE
	TOPO SURFACE CONTOUR: 5' INTERVAL
	TOPO SURFACE CONTOUR: 1' INTERVAL
	TOPO TOP OF BANK / TOE OF SLOPE
	TOPO PAVEMENT: CENTERLINE / CROWN
	TOPO PAVEMENT: GRADE BREAK
	TOPO PAVEMENT: INVERTED CROWN / FLOWLINE
	TOPOGRAPHIC FLOOD ZONE LIMITS

EXISTING CONDITIONS		PROPOSED	
	EDGE OF EXISTING CURB		EDGE OF PROPOSED CURB
	EDGE OF EXISTING SIDEWALK		EDGE OF PROPOSED SIDEWALK
	EDGE OF EXISTING PAVEMENT		EDGE OF PROPOSED PAVEMENT
	EDGE OF EXISTING DRIVEWAY (ALL TYPES)		EDGE OF PROPOSED DRIVEWAY (ALL TYPES)
	EXISTING FENCE (TYPE LABELED)		PROPOSED FENCE (TYPE LABELED)
	EXISTING OVERHEAD POWER		EROSION CONTROL - SILT FENCE
	EXISTING POTABLE WATER		PROPOSED POTABLE WATER
	EXISTING DRAINAGE (w FLOW DIRECTION)		PROPOSED DRAINAGE (w FLOW DIRECTION)
	EXISTING GRAVITY SANITARY SEWER		PROPOSED GRAVITY SANITARY SEWER
	EXISTING FORCE MAIN SANITARY SEWER		PROPOSED FORCE MAIN SANITARY SEWER
	EXISTING STORM WATER SEWER		PROPOSED STORM WATER SEWER
	EXISTING STORM WATER w PIPE SIZE & TYPE (HIGH DENSITY POLYETHYLENE)		PROPOSED STORM WATER w PIPE SIZE & TYPE (HIGH DENSITY POLYETHYLENE)
	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
	EXISTING TREELINE		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/

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 4" CONCRETE (MIN. 3,000 PSI) (BID ALTERNATE)		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		REMOVAL OF ASPHALT ONLY
	REMOVAL OF ASPHALT & LIMEROCK		REMOVAL OF OTHER ITEMS		

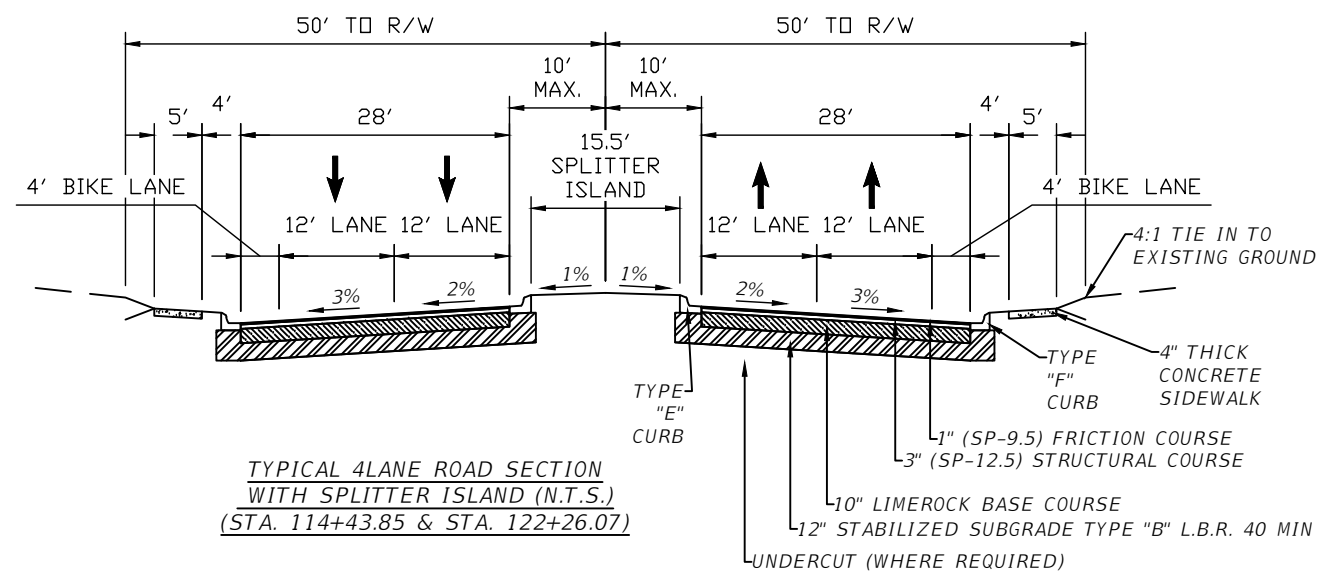
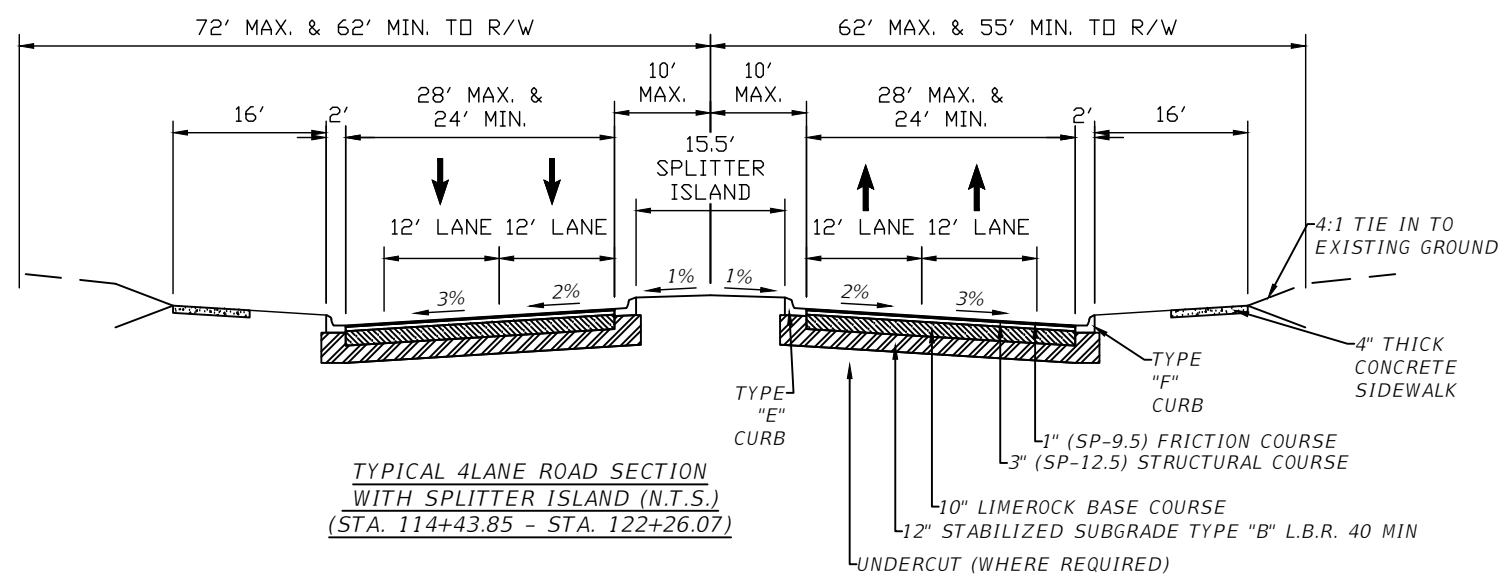
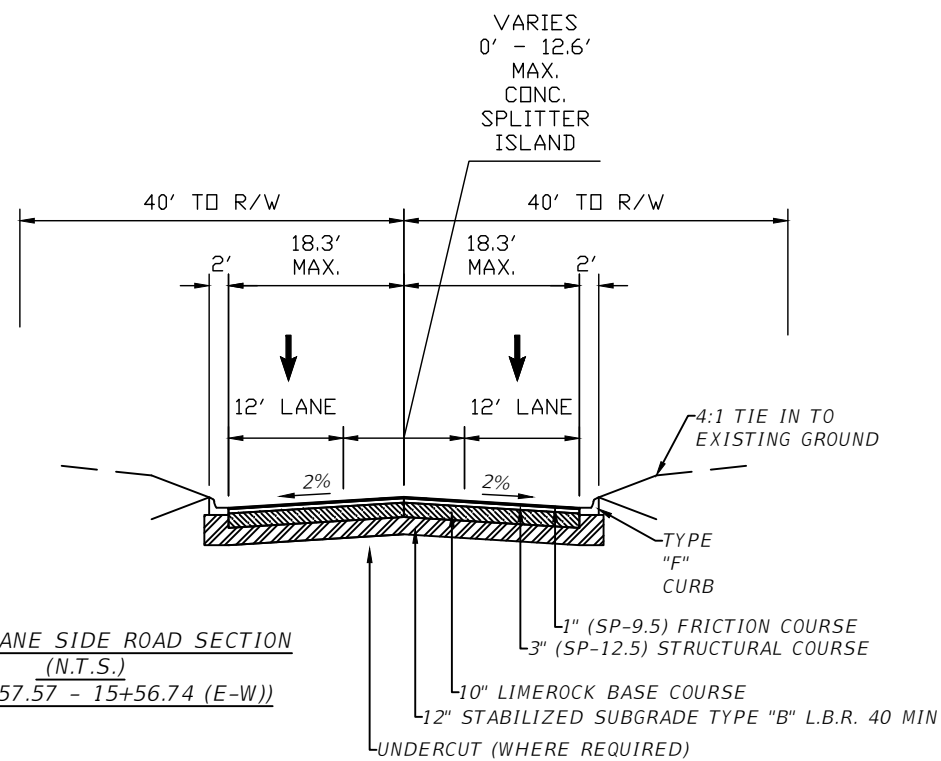
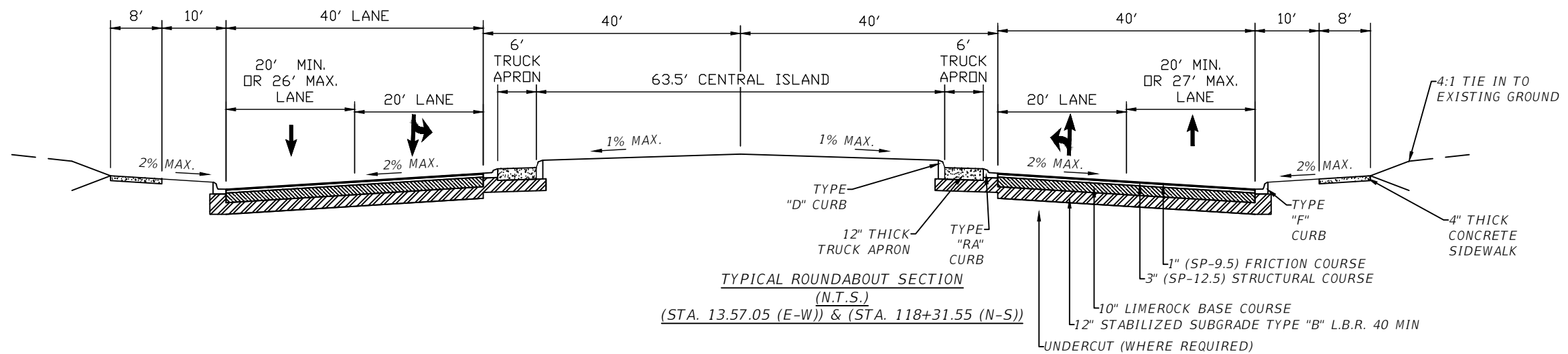
REVISIONS		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 23101		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	PROJECT NAME: SW 44TH AVE ROUNDABOUT		ABBREVIATIONS & LEGENDS		
---	---			NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL		OCALA City Engineer's Office		5

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 and Sediment Control	LF	1,488
FD0T-104-18	Inlet Protection System	EA	6
G-10	Clearing and Grubbing - Heavy	SY	3,337.13
G-11	General Excavation	CY	2,198.75
G-12	Imported Backfill Material	CY	1,305.00
G-15	Grading (Finish)	SY	3,141.39
G-17	Remove and Replace Unsuitable Material	CY	1,689.42
G-18	Stabilized subgrade and Sub-Base	SY	5,769.29
G-19	Limerock 10" Base	SY	4,558.10
G-21	Removal of Existing Concrete Sidewalks and Driveways	SY	558.41
G-22	Removal of Existing Concrete Curb and Gutter and/or traffic separator	LF	2,439.53
G-25	Asphalt Pavement Removal	SY	6,195.17
G-28	Compacted Roadway Subbase	SY	1,203.03
G-32-1	Asphalt: SP 9.5 Asphalt Superpave	TN	250.70
G-32-2	Asphalt: SP 12.5 Asphalt Superpave	TN	752.09
G-52	Construction Survey	LS	1
G-53	As-Built Drawing: Survey, Roadway, & Utilities	EA	1
G-56-D-1	Concrete Curb, Type D	LF	302
FD0T-520-2-8	Concrete Curb and Gutter, Type RA	LF	352
G-56-E-2	Concrete Curb and Gutter, Type E	LF	1,358
G-56-F-2	Concrete Curb and Gutter, Type F	LF	1,684
G-58-04	Concrete Sidewalk, 4" Thick	SY	1,203.03
G-58-12	Concrete Sidewalk and Driveways, 12" Thick, Fiber Reinforced	SY	204.23
G-61-C	Concrete Curb Ramp (CR - C) with Detectable Warning Surface	EA	12
G-80	Sod, Bahia	SY	3,141

SUMMARY OF DRAINAGE			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
G-43-21	TYPE 5 STORMWATER INLET, 0'-6'	EA	2
G-46-1	12" RCP STORMWATER PIPE, 0'-6'	LF	186
FD0T-425-4	MODIFY EXISTING INLET TOP (TO TYPE 7 MANHOLE TOP)	EA	1
FD0T-425-11	MODIFY EXISTING INLET TOP (TO TYPE 5 INLET TOP)	EA	1

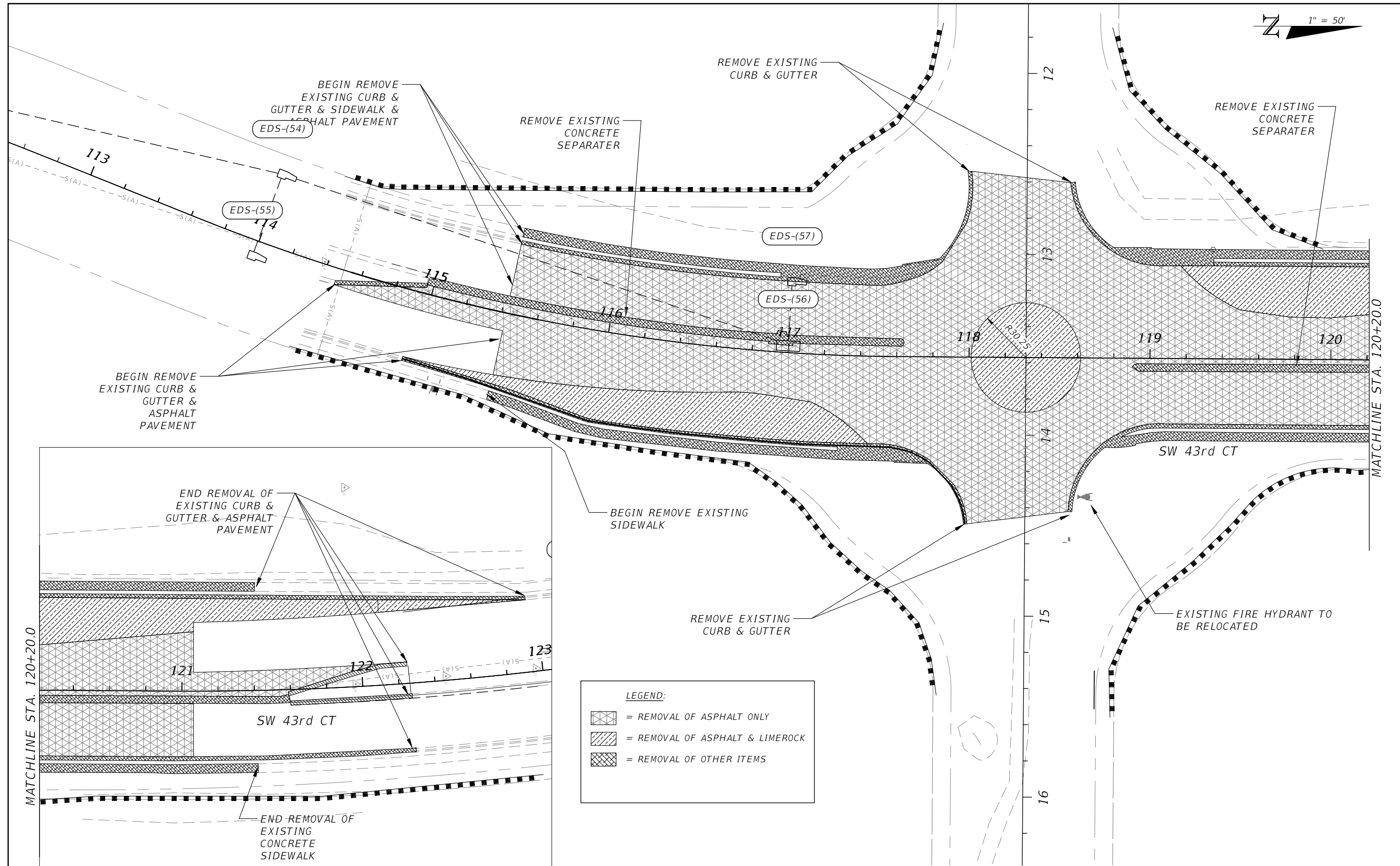
SUMMARY OF TRAFFIC CONTROL			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
G-34-4	Object Marker, Type 4	EA	8
G-89-111	Single Post Sign, F & I, Less than 12 Sq. ft.	AS	29
G-90-00	Miscellaneous Sign Remove & Reinstall	AS	6
G-90-1	Single Post Sign, Relocate	AS	4
FD0T-700-1-60	Single Post Sign, Remove	AS	8
G-91	Raised Retro-Reflective Pavement Marker w/ Adhesive	EA	41
G-93-121	Temporary Striping: Standard, White, Solid, 6" Stripe	LF	2,079
G-93-123	Temporary Striping: Standard, White, Solid, 12" Stripe	LF	333
G-93-125	Temporary Striping: Standard, White, Solid, 24" Stripe	LF	252
G-93-141	Temporary Striping: Solid 6" Skip Stripe 2' x 4' White (Gross)	GLF	591
G-93-21	Temporary Striping: Solid 12" Skip Stripe 2' x 2' White (Gross)	GLF	146
G-93-221	Temporary Striping: Standard, Yellow, Solid, 6" Stripe	LF	1,356
G-93-224	Temporary Striping: Standard, Yellow, Solid, 18" Stripe	LF	0
G-94-1-121	Thermoplastic Striping: Standard, White, Solid, 6" Stripe	LF	2,079
G-93-1-123	Thermoplastic Striping: Standard, White, Solid, 12" Stripe	LF	333
G-93-1-125	Thermoplastic Striping: Standard, White, Solid, 24" Stripe	LF	252
G-94-1-141	ThermoPlastic Striping: Solid 6" Skip Stripe 2' x 4' White (Gross)	GLF	591
G-94-18	Temporary Striping: Solid 12" Skip Stripe 2' x 2' White (Gross)	GLF	146
G-94-1-221	Thermoplastic Striping: Standard, Yellow, Solid, 6" Stripe	LF	1,356
G-94-1-224	Thermoplastic Striping: Standard, Yellow, Solid, 18" Stripe	LF	0
G-95-4	Thermoplastic Traffic Stripes and Markings, Standard, White, Yield Line Symbol	EA	42
G-95-17	Thermoplastic Pavement Marking: Arrow	EA	16
G-96-4	Painted Pavement Markings, Standard, White, Yield Line Symbol	EA	42
G-96-17	Painted Pavement Marking: Arrow	EA	16

R E V I S I O N S		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 23101		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME: SW 44TH AVE ROUNDABOUT		
---	---			NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL		SUMMARY OF PAY ITEMS		6






REVISIONS		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 23101		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	PROJECT NAME: SW 44TH AVE ROUNDABOUT		TYPICAL DETAILS		
				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL		OCALA City Engineer's Office		7

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



LEGEND:

-  = REMOVAL OF ASPHALT ONLY
-  = REMOVAL OF ASPHALT & LIMEROCK
-  = REMOVAL OF OTHER ITEMS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

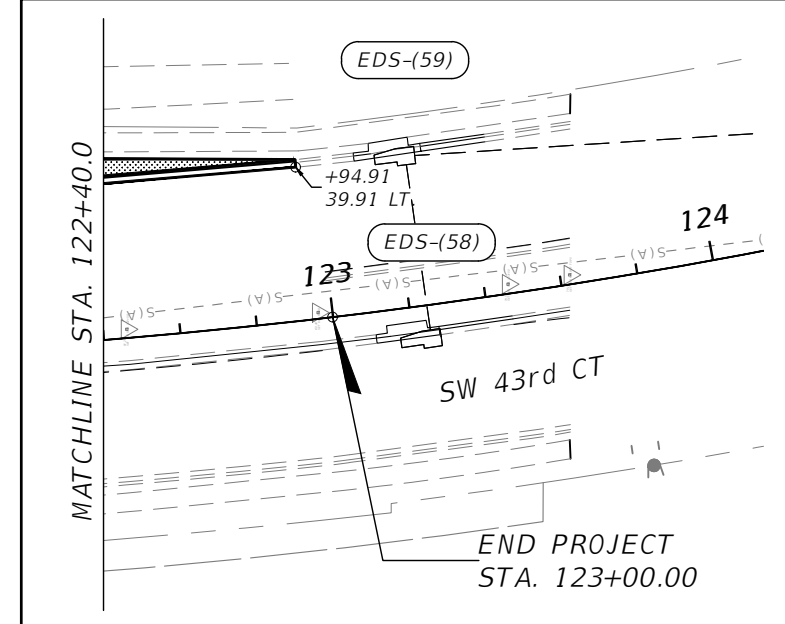
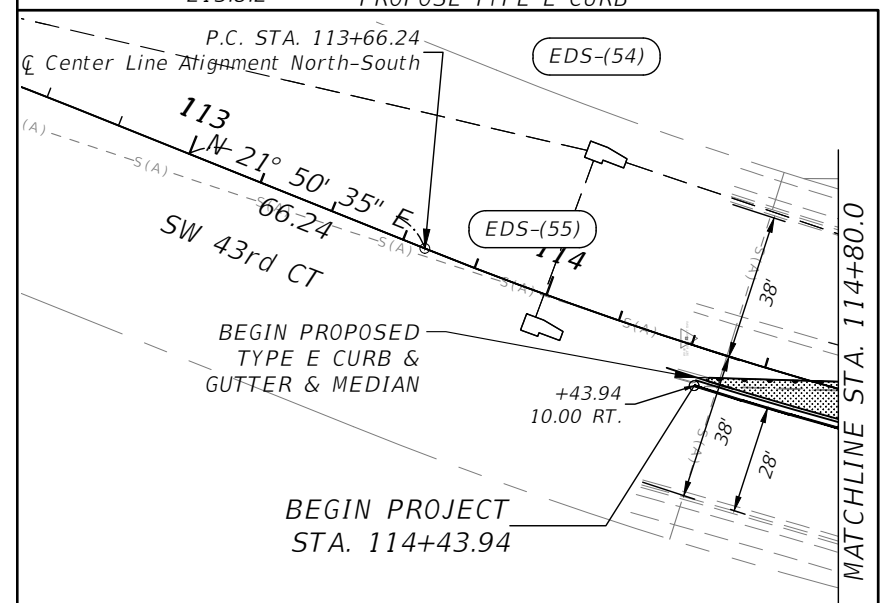
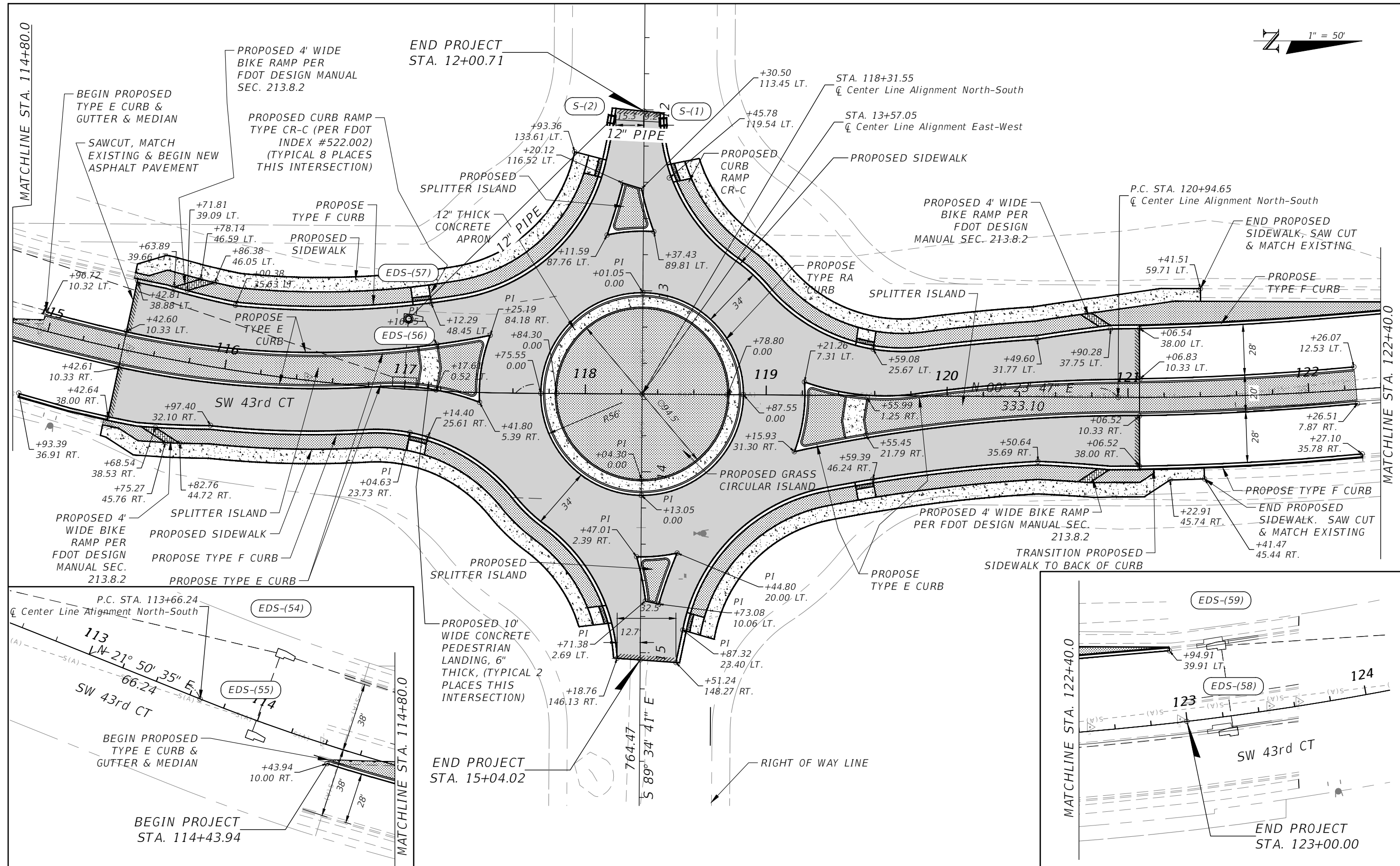
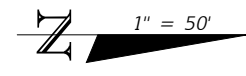
PREPARED BY



PROJECT No. 23101
 PROJECT NAME: SW 44TH AVE ROUNDABOUT

DEMOLITION PLAN

SHEET NO.
 8



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

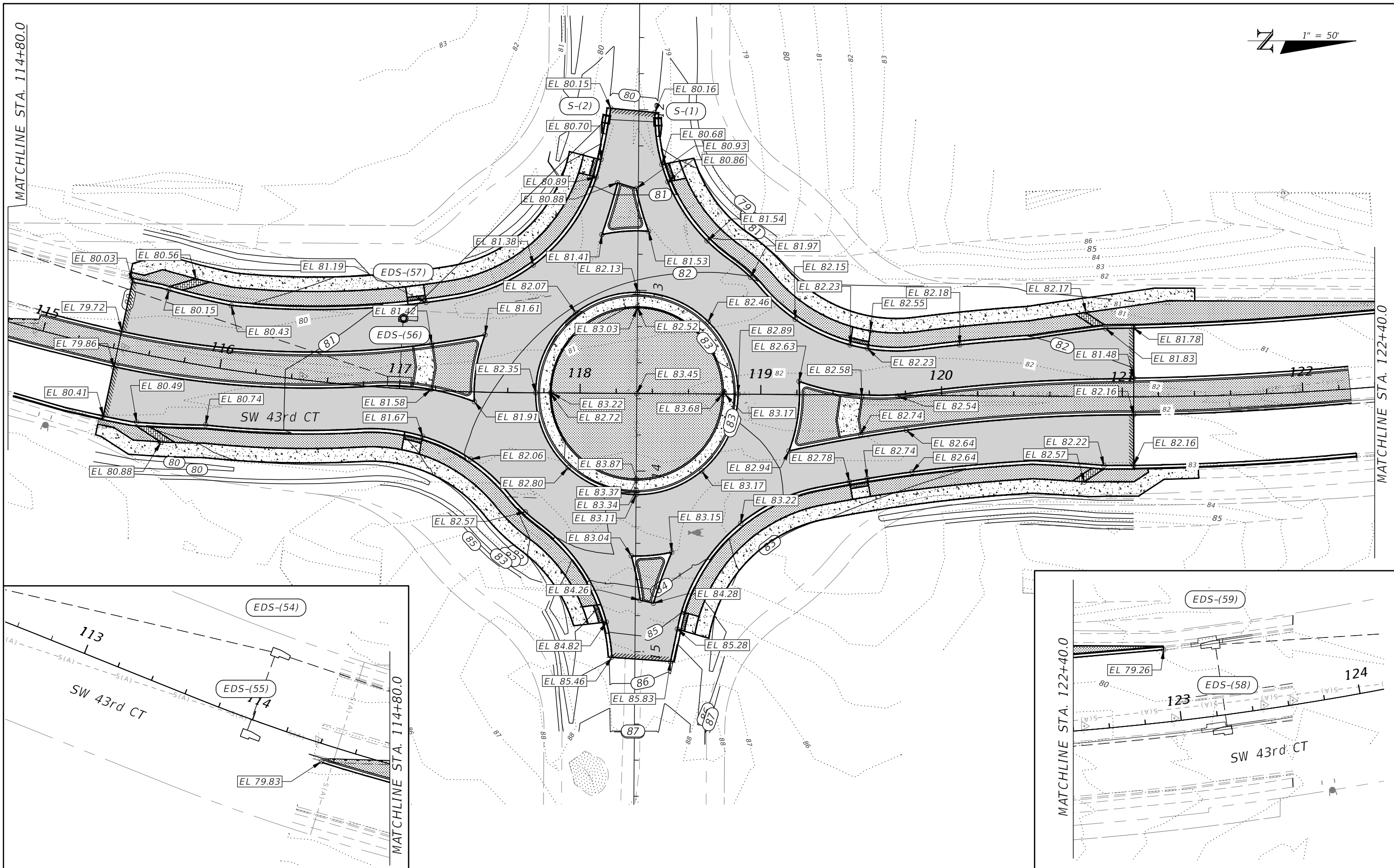
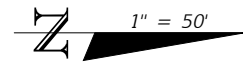
PREPARED BY

CITY ENGINEER'S OFFICE

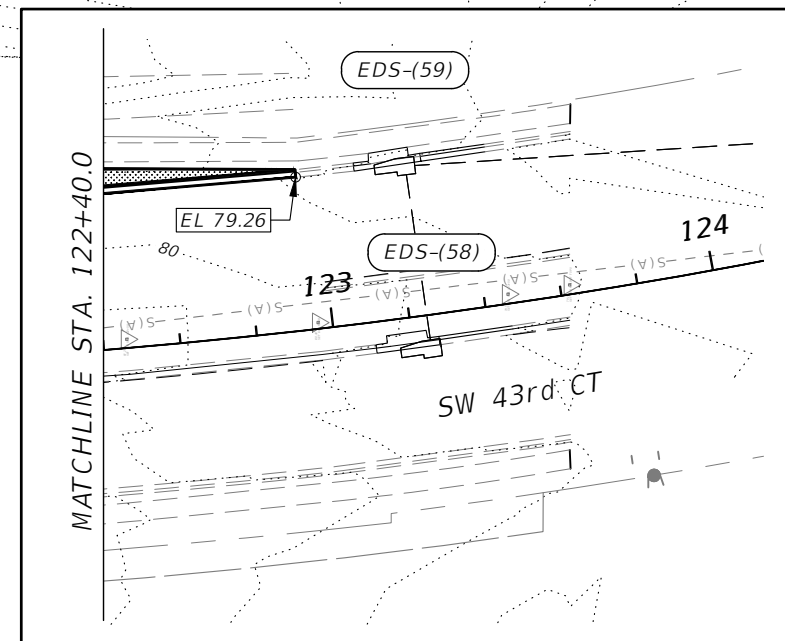
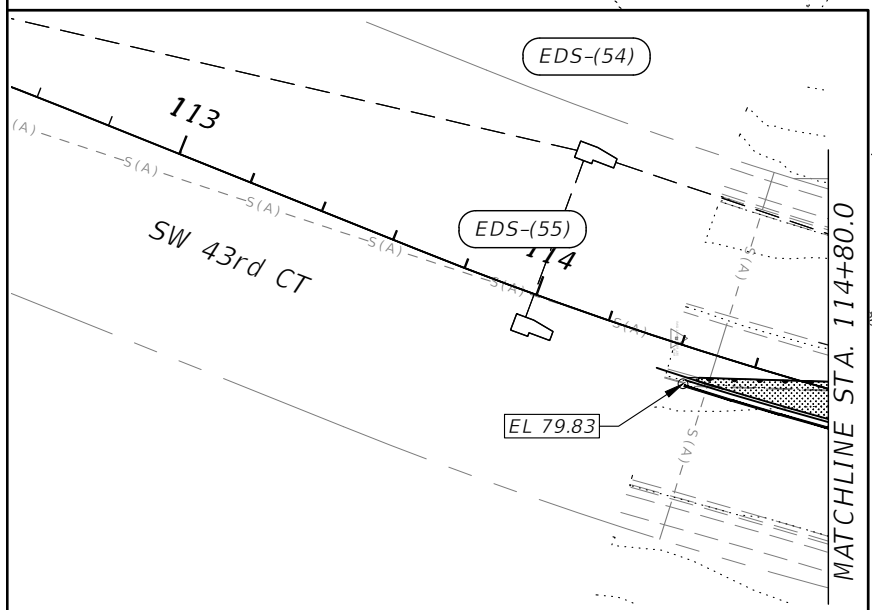
PROJECT No. 23101
 PROJECT NAME: SW 44TH AVE ROUNDABOUT
ROADWAY PLAN (GEOMETRY)

SHEET NO.
 9

MATCHLINE STA. 114+80.0



MATCHLINE STA. 122+40.0



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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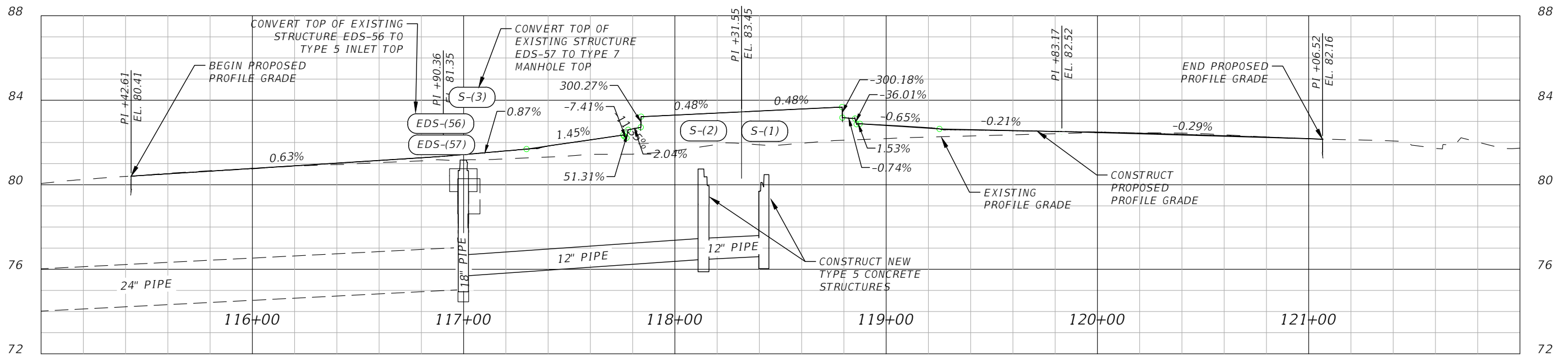
OCALA
CITY ENGINEER'S OFFICE

PROJECT No. 23101
PROJECT NAME: SW 44TH AVE ROUNDABOUT
ROADWAY PLAN (GRADING)

SHEET NO.
10

Center Line Alignment North-South 115+00.00-122+00.00

SCALE: 1"=50' H or 1"=5' V

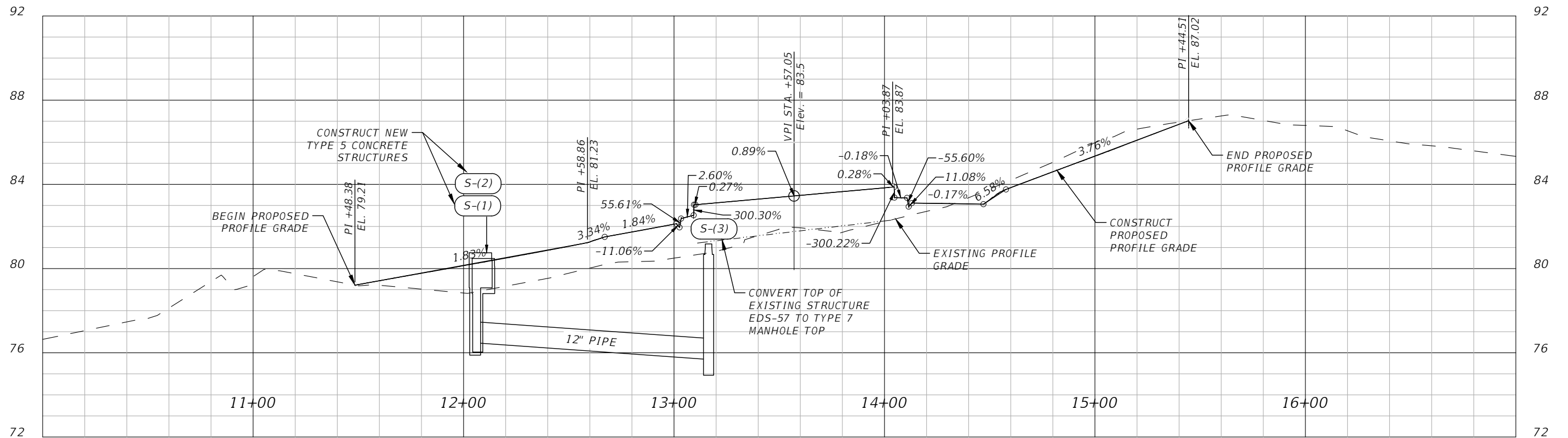


80.1	80.2	80.4	80.5	80.52	80.7	80.64	80.8	80.77	80.9	80.90	81.0	81.02	81.1	81.15	81.1	81.28	81.2	81.43	81.2	81.60	81.3	81.84	81.4	82.12	81.4	82.64	81.6	83.30	81.9	83.39	81.9	83.49	82.0	83.59	82.1	83.17	82.2	82.82	82.3	82.70	82.3	82.59	82.4	82.56	82.4	82.52	82.5	82.49	82.5	82.44	82.4	82.38	82.4	82.32	82.3	82.26	82.2	82.18	82.1	82.1	81.7	82.0	81.7
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REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		PROJECT NAME: SW 44TH AVE ROUNDABOUT ROADWAY PROFILE (NORTH - SOUTH)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				11

Center Line Alignment East-West 10+00.00-17+00.00

SCALE: 1"=50' H or 1"=5' V



76.6	77.1	77.5	78.1	79.4	79.6	79.8	79.4	79.2	79.42	79.0	79.78	78.8	80.14	79.2	80.50	79.5	80.87	80.0	81.27	80.3	81.74	80.5	82.11	80.8	83.12	81.6	83.30	81.9	83.48	81.7	83.65	82.2	83.83	82.7	83.10	83.4	83.07	84.2	83.85	85.0	84.60	86.0	85.34	86.6	86.09	87.0	86.85	87.2	87.0	86.8	86.5	86.1	85.8	85.6	85.3
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REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		PROJECT NAME: SW 44TH AVE ROUNDABOUT ROADWAY PROFILE <i>(WEST - EAST)</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				12

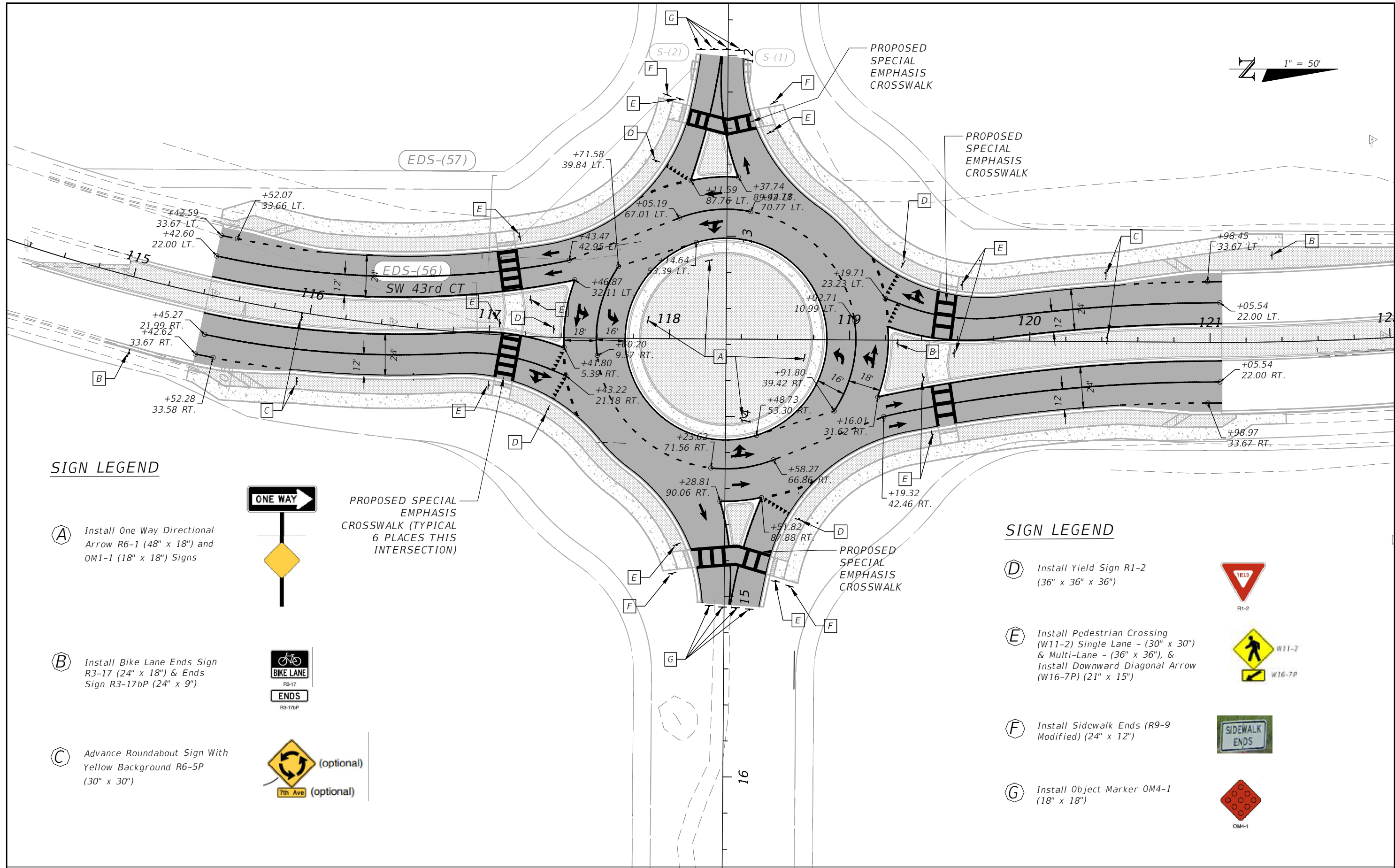
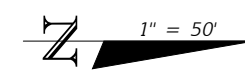
Structure Table	
Structure Name	Structure Details
EDS - (54)	RIM = 79.010 SUMP = 73.430 EXP - (46) INV IN = 74.010 EXP - (47) INV IN = 73.510 EXP - (45) INV OUT = 73.510
EDS - (55)	RIM = 79.760 SUMP = 74.410 EXP - (46) INV OUT = 74.490
EDS - (56)	RIM = 80.760 SUMP = 74.960 EXP - (48) INV IN = 75.510 EXP - (47) INV OUT = 75.040
EDS - (57)	RIM = 80.290 SUMP = 75.600 EXP - (48) INV OUT = 75.680
EDS - (58)	RIM = 79.370 SUMP = 73.960 EXP - (49) INV OUT = 74.040
EDS - (59)	RIM = 78.650 SUMP = 73.720 EXP - (49) INV IN = 73.800 EXP - (50) INV OUT = 73.800

Pipe Table			
Pipe Name	Size	Length	Slope
EXP - (48)	18.000	34.822	0.49%
EXP - (46)	18.000	47.936	1.00%
EXP - (47)	24.000	294.953	0.52%
EXP - (49)	18.000	47.978	0.50%
EXP - (50)	18.000	301.027	1.08%

Structure Table	
Structure Name	Structure Details
S - (3)	RIM = 81.171 SUMP = 75.600 PIPE - (2) INV IN = 75.680
S - (2)	RIM = 80.747 SUMP = 76.386 PIPE - (1) INV IN = 76.466 PIPE - (2) INV OUT = 76.470
S - (1)	RIM = 80.478 SUMP = 76.530 PIPE - (1) INV OUT = 76.610

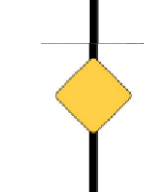
Pipe Table			
Pipe Name	Size	Length	Slope
PIPE - (1)	12.000	28.579	0.50%
PIPE - (2)	12.000	157.138	0.50%

REVISIONS				PREPARED BY	PROJECT NAME: SW 44TH AVE ROUNDABOUT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
---	---				STORM STRUCTURES TABLE	12A
			PAYAL S PANDYA, P.E. P.E. LICENSE NUMBER 73210 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.			



SIGN LEGEND

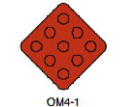
- A** Install One Way Directional Arrow R6-1 (48" x 18") and OM1-1 (18" x 18") Signs
- B** Install Bike Lane Ends Sign R3-17 (24" x 18") & Ends Sign R3-17bP (24" x 9")
- C** Advance Roundabout Sign With Yellow Background R6-5P (30" x 30")



PROPOSED SPECIAL EMPHASIS CROSSWALK (TYPICAL 6 PLACES THIS INTERSECTION)

SIGN LEGEND

- D** Install Yield Sign R1-2 (36" x 36" x 36")
- E** Install Pedestrian Crossing (W11-2) Single Lane - (30" x 30") & Multi-Lane - (36" x 36"), & Install Downward Diagonal Arrow (W16-7P) (21" x 15")
- F** Install Sidewalk Ends (R9-9 Modified) (24" x 12")
- G** Install Object Marker OM4-1 (18" x 18")



REVISIONS		REVISIONS		PREPARED BY	PROJECT No. 23101	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
				OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVE ROUNDABOUT SIGNING & PAVEMENT MARKING	13

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

YOUR TAX DOLLARS AT WORK....

street name
ITB No. XXXX-XXXX

CITY OF OCALA, FLORIDA

CITY COUNCIL:

- Barry Mansfield**
(COUNCIL PRESIDENT) DISTRICT 1
- Ire Bethea, Sr.**
DISTRICT 2
- Jay Musleh**
DISTRICT 3
- Kristen Dreyer**
(COUNCIL PRESIDENT PRO-TEM) DISTRICT 4
- James Hilty, Sr.**
DISTRICT 5
- Ben Marciano**
MAYOR



CONTRACTOR
(name)

PROJECT COST
(bid amount)

START DATE
(mm - dd - yyyy)


COMPLETION DATE
(mm - dd - yyyy)

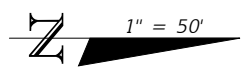
**FOR PROJECT INFORMATION CONTACT:
CAPITAL IMPROVEMENT PROJECTS DIVISION
352-629-8419**

R E V I S I O N S		ENGINEER OF RECORD		PREPARED BY		PROJECT No. 23101		SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	OCALA City Engineer's Office		PROJECT NAME: SW 44TH AVE ROUNDABOUT		
----	----			NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER: 69534 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL		<i>PROJECT SIGN</i>		--

CONTROL POINT DATA

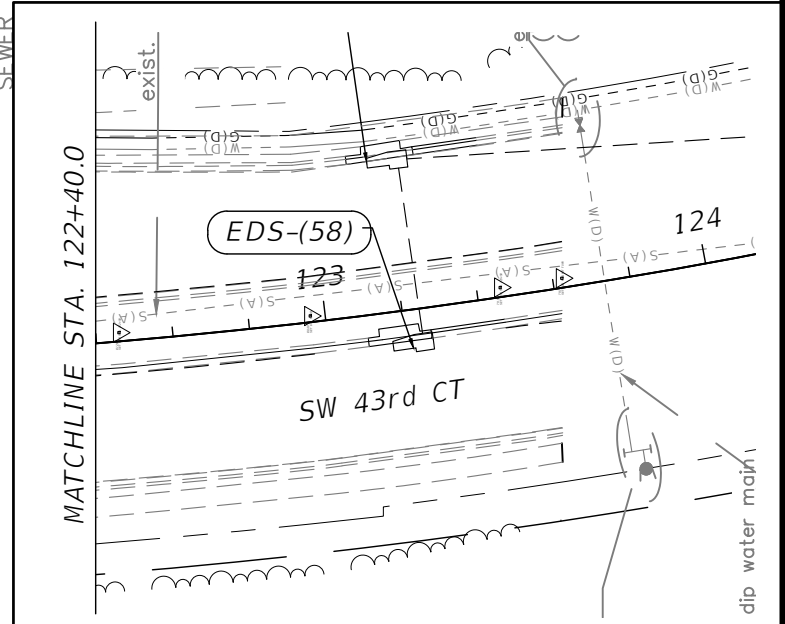
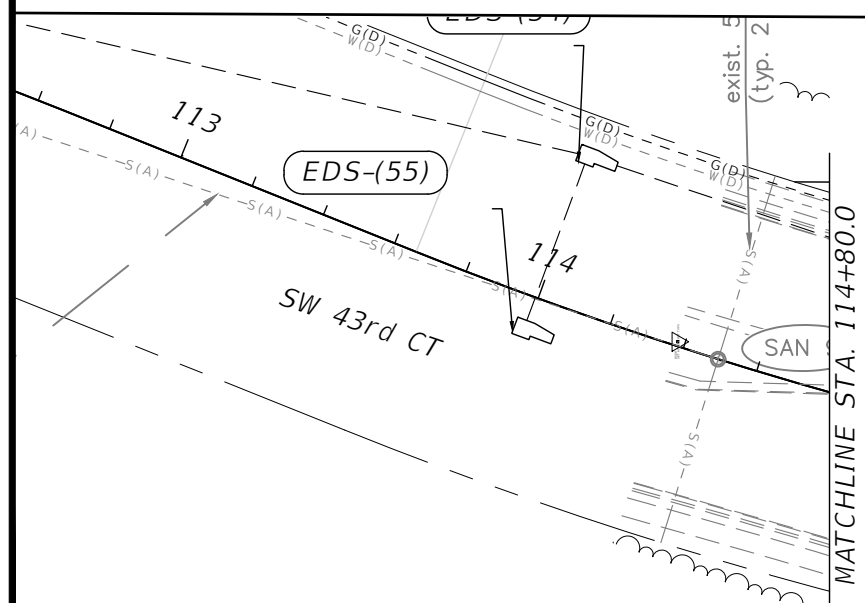
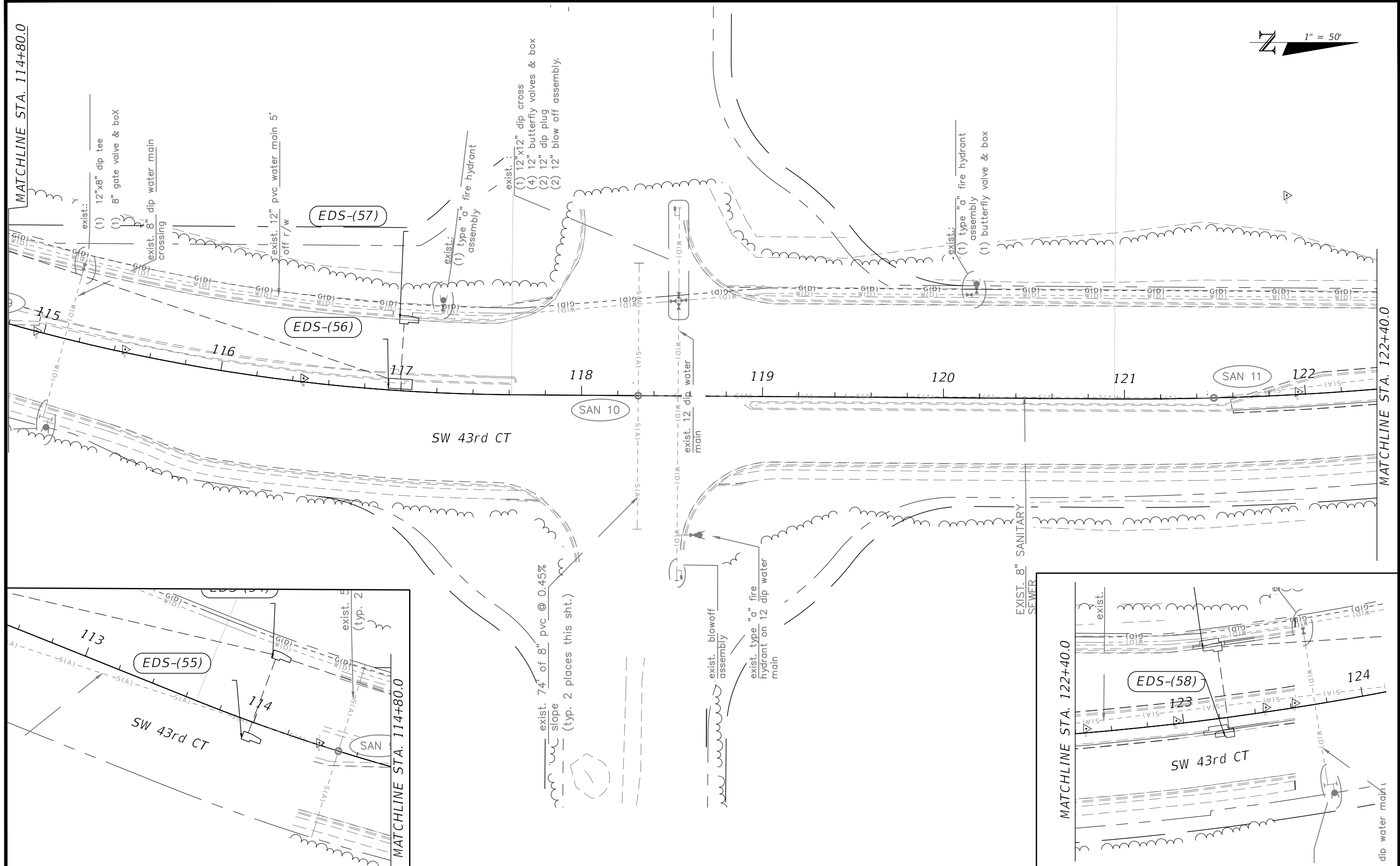
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
9	1754918.983	594370.599	82.799	79 SET COOCP TP8
10	1754337.139	594263.822	79.886	80 SET COOCP TP10
14	1754850.877	594358.101	81.854	NL/TAB SET POL
15	1754853.130	593706.885	78.081	CIRC IRC COO CONT PT

R E V I S I O N S		ENGINEER OF RECORD		PREPARED BY	PROJECT No. 23101	SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION		PROJECT NAME: SW 44TH AVE ROUNDABOUT	
----	-----				CONTROL POINTS	S01



MATCHLINE STA. 114+80.0

MATCHLINE STA. 122+40.0



R E V I S I O N S				ENGINEER OF RECORD	PREPARED BY	PROJECT No. 23101	SHEET No.
DATE	DESCRIPTION	DATE	DESCRIPTION	R KELLY ROBERTS, P.S.M. LICENSE NUMBER: 5558 STATE OF FLORIDA, DATED: / / VALID ONLY WITH EMBOSSED SEAL	OCALA City Engineer's Office	PROJECT NAME: SW 44TH AVE ROUNDABOUT	
						TOPOGRAPHIC SURVEY	S02

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