



CITY ENGINEER'S OFFICE
 1805 NE 30th AVE, BLDG #600
 OCALA, FLORIDA 34470

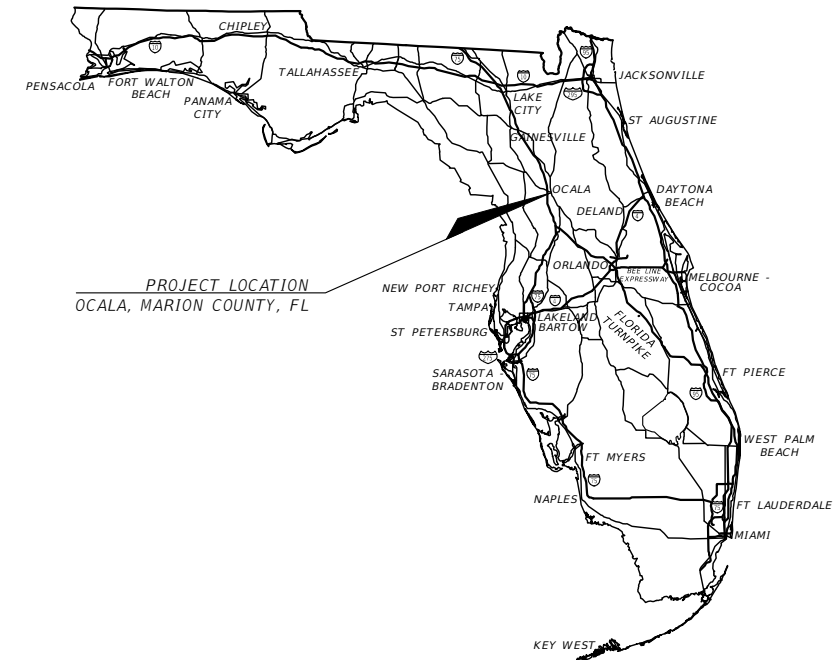
CONTRACT PLANS

PROJECT NUMBER: ENGCIP21-0005
 ITB NO. CIP/230697

SW 44TH AVENUE WIDENING

SW 43rd COURT BETWEEN SR 200 AND SW 32nd ST

100% PLANS
 DATE: 9/7/23

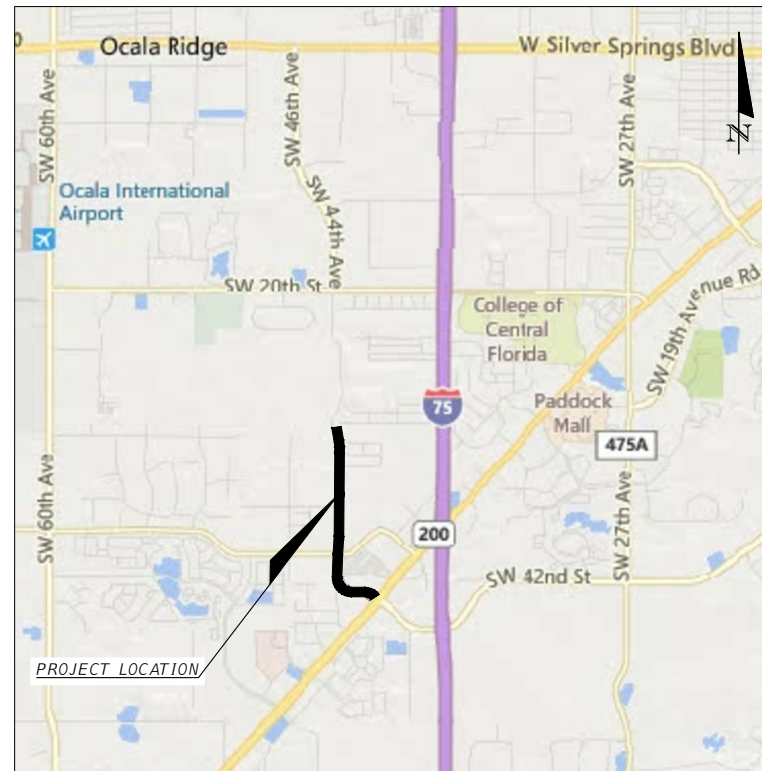


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LOCAL UTILITIES

UTILITY COMPANY	PHONE NUMBER	EMERGENCY
OCALA PUBLIC WORKS (TRAFFIC)	(352) 351-6733	
OCALA ELECTRIC UTILITY	(352) 351-6620	(352) 351-6666 (LEAVE MESSAGE)
OCALA WATER RESOURCES	(352) 351-6772	(352) 351-6775
SECO ENERGY	(352) 237-4107 EXT. 0	(352) 569-9883
COX COMMUNICATIONS	(888) 269-9693	
CENTURYLINK	(352) 368-8817	
TECO GAS	(352) 622-0112	(352) 622-0111



GOVERNING DOCUMENTS:

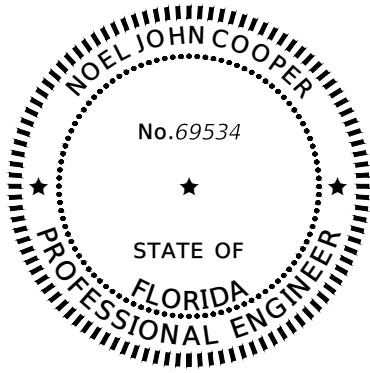
- U.S. Department of Transportation, Manual on Uniform Traffic Control Devices (2009 Version With Revisions)
- Florida Department of Transportation, Standard Plans for Road and Bridge Construction (FY 2023-24 Version)
- Florida Department of Transportation, Standard Specifications for Road and Bridge Construction (FY 2023-24 Version)
- Florida Department of Transportation, Manual of Uniform Minimum Standards for Design, Construction, & Maintenance of Streets & Highways "Florida Green Book" (2018)
- City of Ocala, Standard Specifications For Construction of Streets, Stormwater, Traffic, Water & Sewer Infrastructure (February 2023)

DESIGN SPEED:

- 30 MPH = STA 52+38.13 TO STA 66+00.00
INCLUDES STA 617+52.04 TO STA 620+00.00
- 40 MPH = STA 66+00.00 TO STA 78+40.00
POSTED 30 MPH FROM STA 66+00.00 TO STA 74+94.60
- 50 MPH = STA 78+40.00 TO 105+00.00 (POSTED 40 MPH)



REVISIONS				PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200 - SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
---	---				<h2>KEY SHEET</h2>	1
			NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.			



This item has been digitally signed and sealed by

on the date adjacent to the seal.

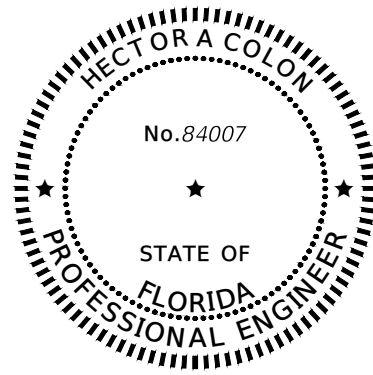
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CITY OF OCALA
CITY ENGINEER'S OFFICE
1805 NE 30TH AVE., BLDG. 300
OCALA, FL 34470

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

PLAN INDEX

- KEY SHEET
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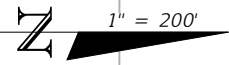
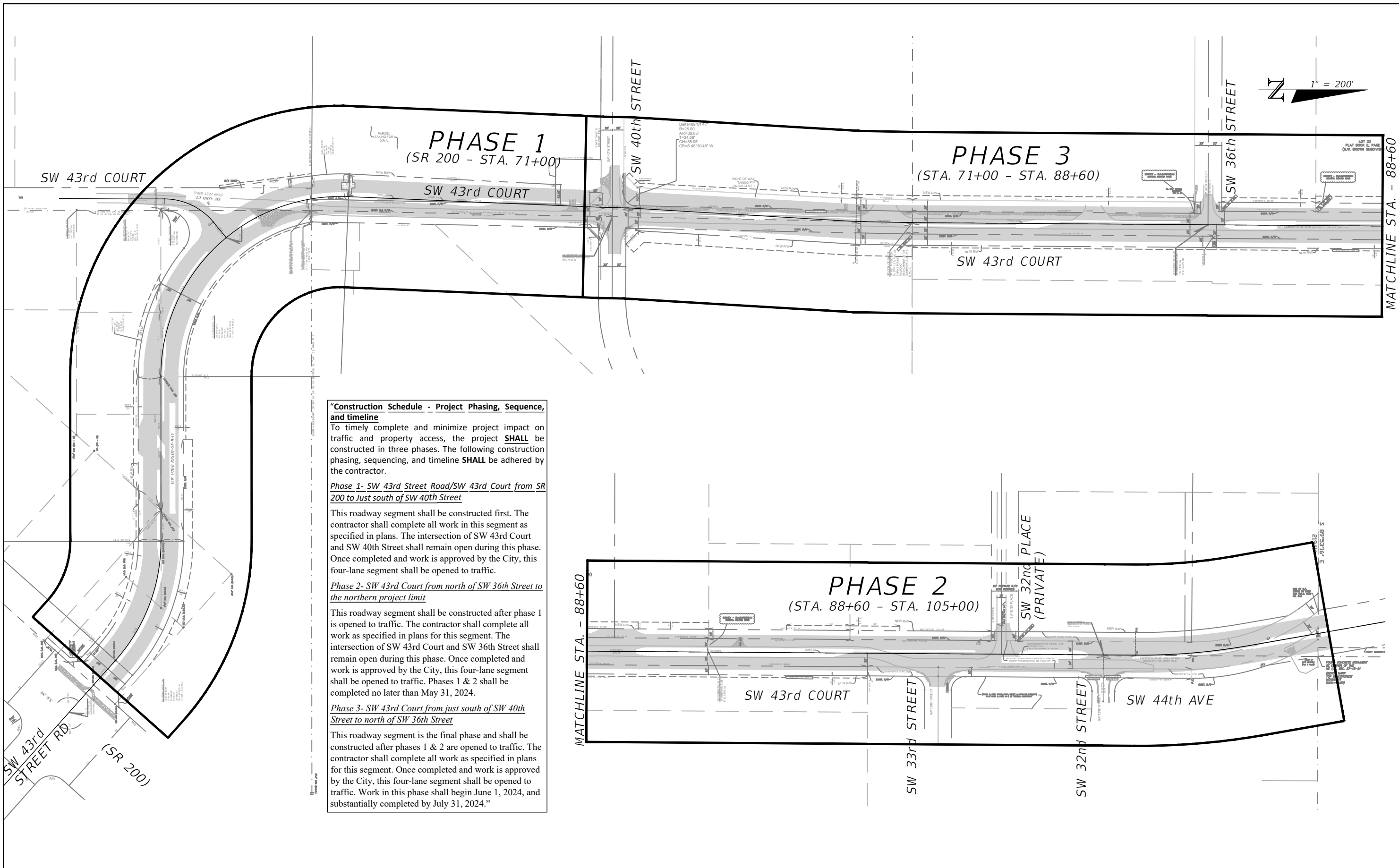
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PLAN INDEX

- UTILITY PLAN SHEETS
- UTILITY PROFILE SHEETS
- UTILITY DETAILS

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Construction Schedule - Project Phasing, Sequence, and timeline
 To timely complete and minimize project impact on traffic and property access, the project **SHALL** be constructed in three phases. The following construction phasing, sequencing, and timeline **SHALL** be adhered to by the contractor.

Phase 1- SW 43rd Street Road/SW 43rd Court from SR 200 to Just south of SW 40th Street
 This roadway segment shall be constructed first. The contractor shall complete all work in this segment as specified in plans. The intersection of SW 43rd Court and SW 40th Street shall remain open during this phase. Once completed and work is approved by the City, this four-lane segment shall be opened to traffic.

Phase 2- SW 43rd Court from north of SW 36th Street to the northern project limit
 This roadway segment shall be constructed after phase 1 is opened to traffic. The contractor shall complete all work as specified in plans for this segment. The intersection of SW 43rd Court and SW 36th Street shall remain open during this phase. Once completed and work is approved by the City, this four-lane segment shall be opened to traffic. Phases 1 & 2 shall be completed no later than May 31, 2024.

Phase 3- SW 43rd Court from just south of SW 40th Street to north of SW 36th Street
 This roadway segment is the final phase and shall be constructed after phases 1 & 2 are opened to traffic. The contractor shall complete all work as specified in plans for this segment. Once completed and work is approved by the City, this four-lane segment shall be opened to traffic. Work in this phase shall begin June 1, 2024, and substantially completed by July 31, 2024."

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

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

PHASING PLAN

SHEET NO.
 3

GENERAL NOTES:

1. ALL CONSTRUCTION WITHIN THE PROJECT AREA SHALL BE IN ACCORDANCE TO THE LATEST EDITION OF THE CITY OF OCALA'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STREETS, STORMWATER, TRAFFIC, WATER & SEWER INFRASTRUCTURE", FEBRUARY 2023 EDITION, THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, 2023-24 EDITION, THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FY 2023-24 EDITION, AND THE UTILITY ACCOMMODATION MANUAL (UAM), AND THE U.S. DEPARTMENT OF TRANSPORTATION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009 VERSION WITH REVISIONS)
2. CONTRACTOR SHALL APPLY FOR CITY ROW PERMITS NO LESS THAN 5 BUSINESS DAYS PRIOR TO STARTING WORK.
3. THE CONTRACTOR SHALL BE NOISE SENSITIVE FOR NIGHT OPERATIONS IF THEY ARE REQUIRED.
4. CONTRACTOR SHALL REVIEW AND COMPLY WITH THE "SPECIAL PROVISIONS" AND OTHER ATTACHMENTS TO THE FDOT PERMIT FOR THIS PROJECT.
5. CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS AFFECTED BY PROPOSED CONSTRUCTION ACTIVITIES IN ADVANCE OF SUCH OPERATIONS IN ACCORDANCE WITH FDOT AND/OR CITY OF OCALA NOTIFICATION REQUIREMENTS.
6. WHEN OPERATING OUTSIDE 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.
7. A PRE-CONSTRUCTION CONFERENCE SHALL BE CONDUCTED BY THE CITY OF OCALA WITH THE CONTRACTOR, AND FDOT PERSONNEL.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EMPLOYING A FLORIDA LICENSED SURVEYOR AND MAPPER FOR CONDUCTING THE FOLLOWING DESCRIBED WORK: EXISTING SECTION CORNERS & 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS, INCLUDING INDIVIDUAL LOT CORNERS, LOCATED WITHIN PROPOSED CONSTRUCTION AREA TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION, IN ACCORDANCE WITH CHAPTERS 177 AND 472 OF THE FLORIDA STATUTES AND 5J17 OF THE FLORIDA ADMINISTRATION CODE.
9. 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 R/W EXCEPT AS APPROVED BY ENGINEER.
10. EXCAVATED MATERIALS SHALL BE LOADED ONTO DUMP TRUCKS DIRECTLY BEHIND THE EQUIPMENT AND HAULED OFF TO THE DESIGNATED SITE. TRAFFIC CONTROL MEASURES SHALL BE PLACED ACCORDINGLY TO ACCOMMODATE THIS PROCESS.
11. ALL PIPE LENGTHS AND INVERTS SHOWN HERE IN ARE FROM C/L STRUCTURE TO C/L STRUCTURE OR END OF PIPE, UNLESS OTHERWISE NOTED.
12. CONTRACTOR TO FIELD VERIFY TOP ELEVATIONS OF ALL DRAINAGE STRUCTURES AND SEWER MANHOLES PRIOR TO FABRICATIONS.
13. ALL EXISTING MANHOLES, INLETS, AND VALVE COVERS THAT ARE RETAINED OR RELOCATED SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED GRADE.
14. SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT NOTIFICATION: IF A SINKHOLE OR SOLUTION CHANNEL IS EXPOSED DURING CONSTRUCTION OF THE RETENTION BASIN, THE ENGINEER SHALL BE IMMEDIATELY CONTACTED. SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT MUST BE CONTACTED WITH 48 HOURS OF DISCOVERY AND CONTRACTOR MUST SUBMIT A DETAILED SINKHOLE EVALUATION AND REPAIR PLAN FOR APPROVAL BY THE DISTRICT WITHIN 30 DAYS OF DISCOVERY. A LICENSED QUALIFIED PROFESSIONAL MUST AUTHORIZE THE SINKHOLE REPAIR PLAN AND CERTIFY IT COMPLETE PRIOR TO POND CONSTRUCTION. REFERENCE SUBSECTIONS 40D-4.101(1)(e) AND 40D-4.301(1)(a), (e) AND (f), F.A.C.
15. RESIDENTIAL DRIVEWAYS ARE SHOWN AS CONCRETE. EXCEPT WHERE AN EXISTING OR PROPOSED DRAINAGE PIPE EXISTS OR WHERE OTHERWISE INDICATED, CONTRACTOR MAY, AT HOMEOWNER'S REQUEST, SUBSTITUTE ASPHALT PAVEMENT FOR CONCRETE EXCEPT WHERE PROPOSED SIDEWALK CROSSES THE DRIVEWAY. RESIDENTIAL ASPHALT DRIVEWAYS SHALL CONFORM TO THE CITY OF OCALA DRIVEWAY STANDARDS.
16. WHERE MAILBOXES ARE TO BE RELOCATED AND/OR REMOVED, CONTRACTOR SHALL NOTIFY THE POSTMASTER OF THE OCALA POST OFFICE NO LESS THAN 7 BUSINESS DAYS (EXCLUDING WEEKENDS AND POSTAL HOLIDAYS).
17. SIDEWALKS, INCLUDING PORTIONS OF DRIVEWAYS (EXISTING OR PROPOSED) WITHIN SIDEWALK PATH, SHALL COMPLY WITH ADA ACCESSIBILITY STANDARDS. WHERE EXISTING DRIVEWAYS ARE NOT COMPLIANT, CONTRACTOR TO REMOVE AND REPLACE.
18. 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.
19. 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)
20. ALL UTILITY LOCATE FLAGS SHALL BE REMOVED BY THE CONTRACTOR WHEN THEY ARE NO LONGER NEEDED.
21. CALL "FLORIDA SUNSHINE ONE-CALL" FOR UTILITY LOCATION SERVICES AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION (1-800-432-4770).
22. ELECTRICAL SERVICE WITHIN PROJECT BOUNDARIES IS PROVIDED BY OCALA ELECTRIC UTILITY (OEU) EXCEPT FOR SW 43RD COURT SOUTH OF AND INCLUDING THE INTERSECTION WITH SW 43RD STREET ROAD WHICH IS PROVIDED BY SECO ENERGY.
23. THE EXISTING SIDEWALK, UTILITY STRIP AND CURB WITHIN SR 200 RIGHT-OF-WAY WILL NOT BE DISTURBED.

ENVIRONMENTAL NOTES:


1. THE CITY OF OCALA OPERATES UNDER A FDEP NPDES 'GENERAL PERMIT' THAT REQUIRES THE CITY AND, IN TURN, ITS CONTRACTORS TO FOLLOW CERTAIN ENVIRONMENTAL PRACTICES AND PROCEDURES TO PREVENT THE POLLUTION OF THE CITY'S GROUNDWATER AND STORMWATER SYSTEM.
2. 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.
3. STAKED SILT SCREEN, TURBIDITY BARRIERS OR OTHER PERIMETER CONTROL METHODS APPROVED BY 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 BEFORE COMMENCING WITH ANY CONSTRUCTION WITHIN OR ADJACENT TO PRIVATE PROPERTY. 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 TO THE SATISFACTION OF THE ENGINEER AND BEFORE FINAL ACCEPTANCE.
4. THE CONTRACTOR SHALL NOT REMOVE ANY TREES WITHOUT COORDINATING SUCH REMOVAL WITH THE ENGINEER. IF ANY TREES ARE REMOVED IN WETLAND JURISDICTIONAL, OR NATIVE VEGETATION AREAS WITHOUT PROPER AUTHORIZATION, CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A DETAILED RESTORATION AND/OR MITIGATION PLAN, SUBMITTING PLAN TO AND OBTAINING APPROVAL FROM FDEP, WATER MANAGEMENT DISTRICT, CITY, OWNER AND ENGINEER, AND COMPLETING ANY MONITORING AND MAINTENANCE REQUIREMENTS IMPOSED AS A RESULT OF TREE REMOVAL.

THE CONTRACTOR SHALL:

5. 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.
6. 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.
7. STORE AND USE PETROLEUM AND OTHER HAZARDOUS PRODUCTS ACCORDING TO RECOMMENDED PROCEDURES.
8. 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.
9. HAVE PRE-PREPARED PROCEDURES CLEARLY POSTED FOR SPILL CONTAINMENT AND CLEAN-UP.
10. HAVE READILY AVAILABLE REMEDIATION MATERIALS FOR SPILL CONTAINMENT AND CLEAN-UP.
11. UPON RELEASE, IMMEDIATELY INITIATE RECOMMENDED METHODS FOR SPILL CONTAINMENT AND CLEAN-UP.
12. 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.

SIGNAGE AND STRIPING NOTES:

1. THE CONTRACTOR SHALL CONTACT THE CITY OF OCALA PUBLIC WORKS DEPT. - TRAFFIC OPERATIONS (352) 351-6733 48 HOURS PRIOR TO COMMENCEMENT. THE CONTRACTOR SHALL CONTACT THE LOCAL FLORIDA DEPARTMENT OF TRANSPORTATION MAINTENANCE OFFICE 48 HOURS PRIOR TO CONSTRUCTION NEAR SW COLLEGE ROAD (SR 200). 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. CONTRACTOR TO REPAIR OR REPLACE ALL PAVEMENT MARKINGS, TRAFFIC LOOPS OR HOMERUNS OUTSIDE OF THE PROJECT AREA THAT ARE DAMAGED DURING CONSTRUCTION.
4. TEMPORARY STRIPING AND MARKING SHALL BE PART OF THIS CONTRACT AND SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. TEMPORARY STRIPING SHALL BE WATER-BASED PAINT. TEMPORARY STOP LINES SHALL BE INSTALLED IMMEDIATELY AFTER NEW SURFACE IS IN PLACE WHERE STOP LINES ARE SHOWN ON THE PLANS; ALL OTHER TEMPORARY STRIPING AND MARKING SHALL BE INSTALLED AS SOON AS POSSIBLE AFTER NEW SURFACE IS IN PLACE. CONTRACTOR SHALL BE PAID FOR ONLY ONE APPLICATION OF TEMPORARY STRIPING PER ITEM. TEMPORARY STRIPING AND MARKING UTILIZED FOR TEMPORARY TRAFFIC CONTROL SHALL BE PART OF THE TEMPORARY TRAFFIC CONTROL SCHEDULE.
5. THERMOPLASTIC STRIPING, AS DEFINED UNDER FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION #711, IS REQUIRED FOR FINISHED CONSTRUCTION ON CITY OF OCALA RIGHTS OF WAY. WHERE ROADWAY PAVEMENT IS INSTALLED OR REPLACED, THERMOPLASTIC STRIPING SHALL BE INSTALLED 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.
6. WHERE CROSSWALKS ARE PROPOSED, CONTRACTOR TO ENSURE THAT ANY EXISTING STOP LINES ARE MIN. 4' FROM THE PROPOSED CROSSWALK LINES.
7. SCHOOL WARNING SIGNS, INCLUDING BUT NOT LIMITED TO S1-1 SIGNS AND THEIR ACCOMPANYING PLAQUES AND S5-2 SIGNS, AS WELL AS THE "SCHOOL" BANNER OF ANY S5-1 SIGNS, SHALL HAVE A FLUORESCENT YELLOW-GREEN BACKGROUND.
8. ALL SCHOOL WARNING SIGNS WITH A STANDARD YELLOW BACKGROUND ARE TO BE REMOVED.

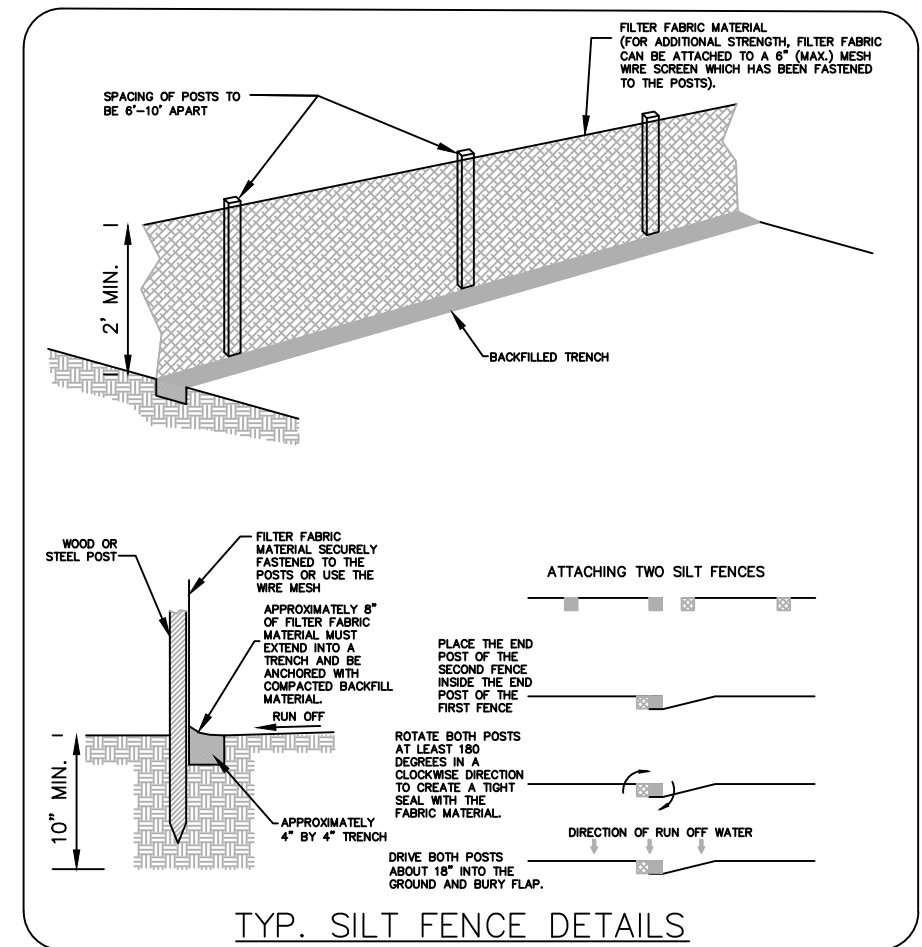
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DATE	DESCRIPTION	DATE	DESCRIPTION			
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			NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.			

EROSION CONTROL NOTES:

1. 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.
2. ALL STORM SEWER INLETS SHALL BE PROTECTED SO THAT SEDIMENT LADEN WATER WILL NOT ENTER THE STORM SYSTEM WITHOUT FIRST BEING FILTERED.
3. ALL DISTURBED AREAS ARE TO BE SODDERED. 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, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY, TO SURVIVE ADVERSE WEATHER CONDITIONS.
4. STAKED SILT FENCE SHALL BE PLACED IN ACCORDANCE WITH CITY OF OCALA SPECIFICATIONS.
5. THE CONTRACTOR WILL 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.
6. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPULIN. EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY. AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE DAMPENED WITH WATER AS REQUIRED FOR DUST CONTROL.
7. THE CONTRACTOR WILL ADHERE TO ALL STATE AND LOCAL REGULATIONS.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND 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.
9. TOXIC SUBSTANCES SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO THE EPA'S STANDARD PRACTICES.
10. THE FOLLOWING PRACTICES WILL BE USED 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.
11. POLLUTION CONTROL MEASURES SHALL BE INSPECTED DAILY. 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 WILL 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 PROJECT ENGINEER.

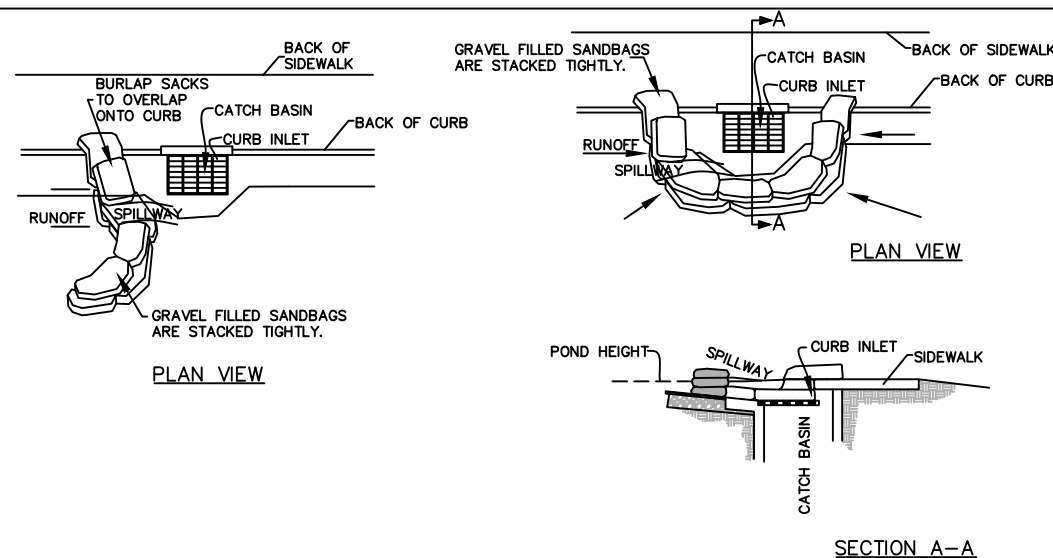
SURVEY & MAPPING NOTES:

1. BACKGROUND ELEMENTS SHOWN HEREON REPRESENTING THE CONDITION OF EXISTING IMPROVEMENTS AND SURFACE FEATURES LYING WITHIN AND IN NEAR PROXIMITY TO THE PROJECT AREA DEPICTED IN THESE PLANS IS THE RESULT OF THE SPECIFIC PURPOSE SURVEY COVERING THE PORTION OF THE ORIGINAL ROADWAY SEGMENT IDENTIFIED AS SW 44TH AVENUE CONSTRUCTION PHASE 2 AS PREPARED BY FARNER BARLEY AND ASSOCIATES, PURSUANT TO JOB NO. 55316.0000, DATED JUNE 6, 2006, SUBSEQUENTLY APPENDED BY FARNER BARLEY AND ASSOCIATES, INC., TO COVER THE SUPPLEMENTAL ROADWAY SEGMENT ASSOCIATED WITH SW 44TH AVENUE CONSTRUCTION PHASE 3, REQUESTED ON NOVEMBER 7, 2007, AND DELIVERED ON JANUARY 8, 2008.
2. COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM (WEST ZONE), NORTH AMERICAN DATUM OF 1983 (ADJUSTMENT UNKNOWN) AS DETERMINED DURING THE SPECIFIC PURPOSE SURVEY BY FARNER BARLEY AND ASSOCIATES, INC., DESCRIBED IN SURVEY AND MAPPING NOTE 1 ABOVE.
3. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988, AS DETERMINED DURING THE SPECIFIC PURPOSE SURVEY BY FARNER BARLEY AND ASSOCIATES, INC., DESCRIBED IN SURVEY AND MAPPING NOTE 1 ABOVE.
4. 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.
5. ANY SURVEY MARKER, INCLUDING BUT NOT LIMITED TO PUBLIC LAND SURVEY SECTION CORNER MARKERS, BENCHMARKS, PROPERTY CORNER MARKERS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO FINAL PAYMENT.
6. ADDITIONALLY, SURVEY STAKES MARKING THE LOCATION 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.
7. THE RE-SETTING 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.
8. UNLESS PRIOR AGREEMENT IS MADE, IT SHALL NOT BE THE RESPONSIBILITY OF THE CITY SURVEYOR TO REPLACE ANY SURVEY MARKERS.
9. THE CONTROL POINTS QUANTIFIED AND DESCRIBED IN THE POINT TABLE APPEARING ON SHEET 19 HAVE BEEN SUPERSEDED PURSUANT TO REQUEST FOR INFORMATION (RFI) NUMBER 1, DATED JANUARY 13, 2023, AND THE SUBSEQUENT RESPONSE THERETO DATED FEBRUARY 21, 2023.



NOTES

1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS 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 INLET SEDIMENT BARRIER

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 1/3 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.

REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION				
----	----	----	----			GENERAL NOTES (2)	

ABBREVIATIONS & SYMBOLOGY

	C.M.	CONCRETE MONUMENT
	PP	POWER POLE
	LP	LAMP POLE
	GA	GUY ANCHOR
		SIGN
	MB	MAILBOX OR NEWSPAPER BOX
		TELEPHONE RISER
		TELEPHONE MANHOLE
	STM. MH	STORM MANHOLE
		CATCH BASIN
	WV	WATER VALVE
	WM	WATER METER
	FH	FIRE HYDRANT
	GV	NATURAL GAS VALVE
		SANITARY MANHOLE
		SANITARY CLEANOUT
	MES	MITERED END SECTION
	EXIST.	EXISTING
	PROP.	PROPOSED
	TYP.	TYPICAL
	MTL	METAL
	WD	WOOD
	TOB	TOP OF BANK
	TOE	TOE OF SLOPE
	WRA	WET RETENTION AREA
	DRA	DRY RETENTION AREA
	ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
	CMP	CORRUGATED METAL PIPE
	PED	PEDESTRIAN
	FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
	SPI	STANDARD PLANS INDEX (NUMBER)
	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
	CP	CONTROL POINT
	BOS	BACK OF SIDEWALK
	PGL	PROFILE GRADE LINE
	EDS	EXISTING DRAINAGE STRUCTURE
	STS	PROPOSED DRAINAGE (STORMWATER) STRUCTURE
	QTY	QUANTITY
	NO.	NUMBER
	CONST.	CONSTRUCT / INSTALL

LEGEND

	EXISTING DRAINAGE PIPE		PROPOSED DRAINAGE PIPE
	EDGE OF EXISTING CURB		EDGE OF PROPOSED CURB
	EDGE OF EXISTING SIDEWALK		EDGE OF PROPOSED SIDEWALK
	EDGE OF EXISTING DRIVEWAY (ALL TYPES)		EDGE OF PROPOSED DRIVEWAY (ALL TYPES)
	EXISTING FENCES		PROPOSED FENCES
	EXISTING OVERHEAD POWER		PROPOSED NOISE WALL
	EXISTING TOP OF BANK/TOE OF SLOPE		PROPOSED POTABLE WATER
	EXISTING POTABLE WATER		PROPOSED GRAVITY SANITARY SEWER
	EXISTING GRAVITY SANITARY SEWER		PROPOSED FIBER OPTIC COMMUNICATION LINE
	EXISTING SANITARY FORCE MAIN		
	EXISTING BURIED TELEPHONE LINE		
	EXISTING BURIED NATURAL GAS LINE		
	RIGHT-OF-WAY LINE		
	EDGE OF EXISTING PAVEMENT		EDGE OF PROPOSED PAVEMENT
	EXISTING STRIPING TO BE RETAINED		PROPOSED STRIPING
	PALM TREE		
	OAK TREE		
	OTHER TREES (NOTE: NOT ALL INCLUSIVE)		

CIRC	CIRCULAR IRON ROD CONTROL
CNL	CONTROL
TBM	TEMPORARY BENCH MARK
TRAV PT	TRAVERSE POINT
COED	CITY OF OCALA ENGINEERING DEPARTMENT
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THE HATCHING AND SYMBOLOGY WITHIN THE ROADWAY PLAN SHEETS ARE DEFINED AS FOLLOWS:

	4" CONCRETE (MIN. 3,000 PSI)		6" CONCRETE W/ FIBER MESH REINFORCEMENT (MIN. 3,000 PSI)
	PROPOSED COMMERCIAL ASPHALT DRIVEWAY (SEE DETAIL, SHEET 9)		HOT MIX RECLAIM EXIST. LIMEROCK BASE. ADD ASPHALT AND LIMEROCK AS NEEDED PER TYPICAL SECTIONS
	MILL AND RESURFACE EXIST. ASPHALT PAVEMENT PER TYPICAL SECTIONS		PROPOSED ASPHALT PAVEMENT AND LIMEROCK BASE PER TYPICAL SECTIONS
	DETECTABLE WARNING SURFACE (RED BRICK COLOR WHERE APPLICABLE)		


<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>10/30/23</td> <td>REVISED ABBREVIATION</td> <td></td> <td></td> </tr> </tbody> </table>		DATE	DESCRIPTION	DATE	DESCRIPTION	10/30/23	REVISED ABBREVIATION			<p>NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.</p>	<p>PREPARED BY</p>	<p>PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)</p> <p>LEGEND AND ABBREVIATIONS</p>	<p>SHEET NO.</p> <p>6</p>
DATE	DESCRIPTION	DATE	DESCRIPTION										
10/30/23	REVISED ABBREVIATION												

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-06-1	Silt Fence and Sediment Control	LF	11,000
G-06-2	Inlet Protection	EA	42
G-9	Clearing and Grubbing - Heavy	SY	24,719
G-11-1	General Excavation	CY	12,551
G-12	Imported Backfill Material	CY	1,639
G-15-2	Finish Grading	SY	13,776
G-17	Remove and Replace Unsuitable Material	CY	9,638
G-18	Stabilized subgrade	SY	38,552
G-19-06	Limerock 8" Base	SY	258
G-19-09	Limerock 10" Base	SY	33,677
G-21	Removal of Concrete Sidewalks and Driveways	SY	500
G-25	Removal of Existing Asphalt Pavement	SY	11,722
G-26	Temporary Asphalt Millings	TN	641
G-27-06	Mill Existing Asphalt Pavement at 1.5" Depth	SY	3,636
G-28	Compacted Roadway Subbase	SY	39,383
G-29	Reclaimed Asphalt Pavement Base 8"	SY	1,743
G-32-09	SP 9.5 Asphalt Superpave	TN	2,155
G-32-12	SP 12.5 Asphalt Superpave	TN	5,877
G-52-0	Construction Survey	HR	227
G-53-0	As-Built Survey	HR	132
G-56-07	Concrete Curb and Gutter, Type E	LF	3,246
G-56-10	Concrete Curb and Gutter, Type F	LF	10,000
G-58-04	Concrete Sidewalk, 4" Thick	SY	5,072
G-58-06	Concrete Sidewalk and Driveways, 6" Thick, Fiber Reinforced	SY	279
G-61-F	Concrete Curb Ramp (CR - F) with Detectable Warning Surface	EA	25
G-61-H	Concrete Curb Ramp (CR - H) with Detectable Warning Surface	EA	1
G-61-L	Concrete Curb Ramp (CR - L) with Detectable Warning Surface	EA	3
G-80-1	Sod, Bahia	SY	13,776
FDOT-534-72-101	Concrete Noise Wall (6' Tall)	SF	5,646


SUMMARY OF DRAINAGE			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
G-43-15	Type 5 Stormwater Inlet	EA	22
G-43-16	Type 6 Stormwater Inlet	EA	5
G-43-17	Type 7 Stormwater Inlet	EA	1
G-43-33	Type C Stormwater Inlet	EA	1
G-43-71	Type V Stormwater Inlet (FDOT 425-1711)	EA	1
G-45-1	Manhole Adjustments on Stormwater Cover	EA	1
G-45-2-2	Convert Inlet Top to Back Of Sidewalk Drain	EA	1
G-45-3-15	Convert Manhole to Type 5 Inlet	EA	2
G-45-3-16	Convert Manhole to Type 6 Inlet	EA	1
G-46-118	18" RCP Stormwater Pipe	LF	1,460
G-46-124	24" RCP Stormwater Pipe	LF	1,365
G-46-130	30" RCP Stormwater Pipe	LF	745
G-46-136	36" RCP Stormwater Pipe	LF	180
G-46-218	14"x23" ERCP Stormwater Pipe	LF	39
G-48-4	24" Concrete Mitered End	EA	1
G-49-6	36" Concrete Mitered End	EA	1
FDOT-425-11-118	Connect 18" Pipe to Existing Structure	EA	2
FDOT-430-96-124	24" Concrete Collar to Existing Piping	EA	1
FDOT-440-1-10	Under Drain	LF	300

SUMMARY OF TRAFFIC CONTROL			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
G-34-1	Object Marker, Type 1	EA	3
G-34-4	Object Marker, Type 4	EA	12
G-35-3	Delineator, Flexible High Visibility Median	EA	14
FDOT-700-142-210	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, ONE BEACON (FOR SCHOOL ZONE)	AS	4
FDOT-700-142-220	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, TWO BEACON (FOR SCHOOL ZONE)	AS	3
G-89-11	Single Post Sign, F & I, Less than 12 ft	AS	42
G-89-12	Single Post Sign, F & I, 12 ft or more	AS	4
G-89-31	NEW SIGN PANEL (GROUND MOUNT <12SF)	EA	4
G-90-1	Single Post Sign, Relocate	AS	9
G-90-2	Single Post Sign, Remove	AS	27
G-91	Raised Retro-Reflective Pavement Marker w/ Adhesive	EA	489
G-93-121	Temporary Traffic Stripes and Markings, Standard, White, Solid, 6" Stripe	LF	10,490
G-93-123	Temporary Traffic Stripes and Markings, Standard, White, Solid, 12" Stripe	LF	1,672
G-93-125	Temporary Traffic Stripes and Markings, Standard, White, Solid, 24" Stripe	LF	1,142
G-93-131	Temporary Solid 6" Skip Stripe 10' x 30' White (Gross)	GLF	10,721
G-93-141	Temporary Solid 6" Skip Stripe 2' x 4' White (Gross)	GLF	1,488


REVISIONS		PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION			
10/26/23	REMOVED TYPE V INLET.	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		SUMMARY OF PAY ITEMS (1)
11/6/23	REVISED NOISE WALL DESCRIPTION AS WELL AS STORM PIPES AND SIDEWALK QUANTITIES.			

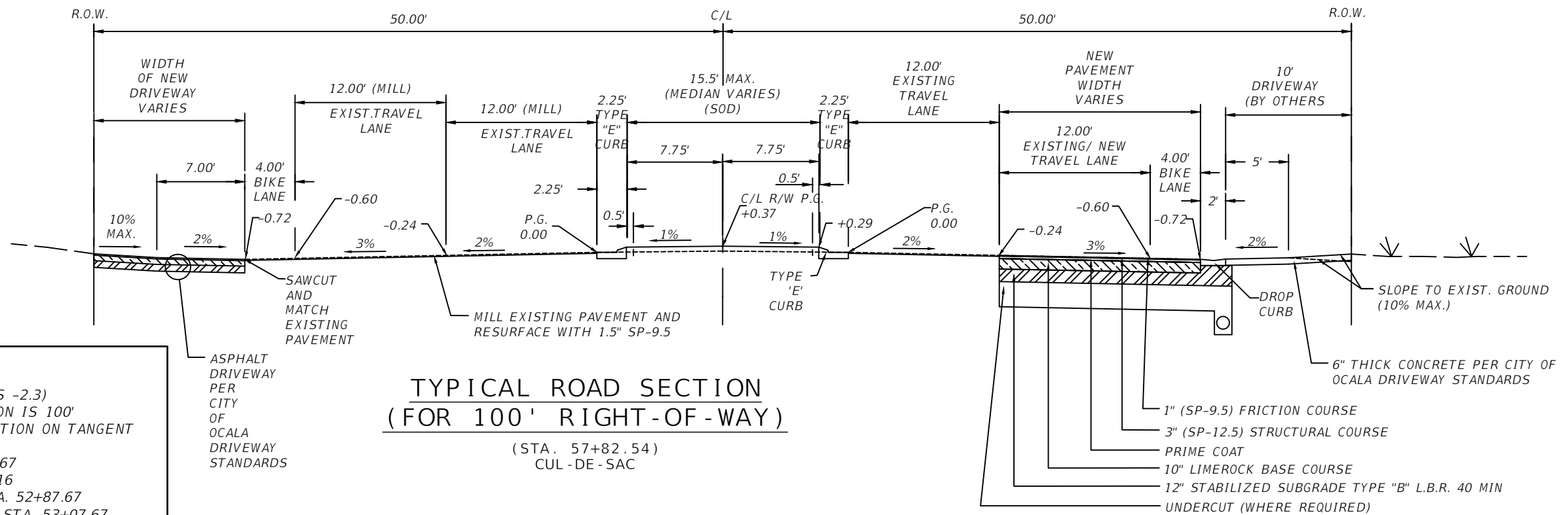
SUMMARY OF TRAFFIC CONTROL			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
G-93-221	Temporary Traffic Stripes and Markings, Standard, Yellow, Solid, 6" Stripe	LF	9,574
G-93-224	Temporary Traffic Stripes and Markings, Standard, Yellow, Solid, 18" Stripe	LF	51
G-94-1-121	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 6" Stripe	LF	10,490
G-94-1-123	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 12" Stripe	LF	1,672
G-94-1-125	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 24" Stripe	LF	301
G-94-1-131	ThermoPlastic Solid 6" Skip Stripe 10' x 30' White (Gross)	GLF	10,721
G-94-1-141	ThermoPlastic Solid 6" Skip Stripe 2' x 4' White (Gross)	GLF	1,488
G-94-1-221	Thermoplastic Traffic Stripes and Markings, Standard, Yellow, Solid, 6" Stripe	LF	9,574
G-94-1-224	Thermoplastic Traffic Stripes and Markings, Standard, Yellow, Solid, 18" Stripe	LF	51
G-94-4-125	THERMOPLASTIC SOLID PREFORMED 24" WHITE STRIPE	LF	842
G-95-16	Thermoplastic Pavement Message	EW	35
G-95-17	Thermoplastic Pavement Arrow	EA	80
G-95-70	Remove Stripe/Pavement/Message (Grind)	SF	1,869
G-96-16	Temporary Pavement Message	EW	35
G-96-17	Temporary Pavement Arrow	EA	80
FDOT-520- 5-41	4' Type IV Concrete Traffic Separator	LF	529
FDOT-520- 5-42	6' Type IV Concrete Traffic Separator	LF	1,500

SANITARY SEWER SYSTEM			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
G-20	INSTALL #57 STONE AROUND LS	SY	200
G-21-01	REMOVE CONCRETE DRIVEWAYS	SY	475.62
G-58-11	INSTALL 8" CONCRETE DRIVEWAYS WITH #5 REBAR @ 12" CENTER	SY	475.62
G-75-1	CHAIN LINK FENCING	LF	237
G-75-2	TEMPORARY CHAIN LINK FENCING	LF	200
G-76	14' CHAIN LINK FENCE GATE	EA	6
S-01-1-08-1	8" PVC, 0' - 6'	LF	50
S-01-1-08-2	8" PVC, 6' - 12'	LF	1923
S-01-1-08-3	8" PVC, 12' - 18'	LF	1062
S-02-2	SEWER MANHOLE W/ EPOXY, 6' - 12'	EA	4
S-02-3	SEWER MANHOLE W/ EPOXY, 12' - 18'	EA	3
S-02-6	SEWER MANHOLE W/ HDPE LINER, 6' - 12'	EA	1
S-02-25	R & R INVERTS IN EXISTING MANHOLE	EA	4
S-04-22	REMOVE EXISTING 22" RING & COVER & REPLACE WITH '22" HINGED RING & COVER	EA	1
S-04-32	REMOVE EXISTING 32" RING & COVER & REPLACE WITH '32" HINGED RING & COVER	EA	8
S-05	RAISE EXISTING MANHOLE TO GRADE	EA	9
S-06-06-3	6" PVC SEWER SERVICE DROP CONNECTION, 12'-18'	EA	2
S-06-08-2	8" SEWER MANHOLE DROP CON, 6'-12'	EA	2
S-06-08-3	8" SEWER MANHOLE DROP CON, 12'-18'	EA	1
S-07-4	RESURFACE EXISTING MH INTERIOR, 4' DIA	FT	12
S-11-1-06	6" PVC SEWER SERVICE	LF	100
S-12-08	TV INSPECTION - 8" MAIN	LF	3197
S-12-10	TV INSPECTION - 10" MAIN	LF	15
S-12-12	TV INSPECTION - 12" MAIN	LF	1202
S-19-01	ABANDON SANITARY SEWER MAIN	LS	1
S-19-02	ABANDON SEWER MANHOLE	EA	1
S-19-11	ABANDON SANITARY SEWER SERVICE	LS	1
S-22-1-06	6" PVC FORCEMAIN	LF	20
S-23-0	REMOVAL OF EXISTING PIPING & FITTINGS	LS	1
S-23-2-06-1-4	6" DIP MJ 45 DEGREE BEND	EA	2
S-24-1-08	8" PVC PIPE JOINT RESTRAINT	EA	2
S-24-2-08	8" DIP PIPE JOINT RESTRAINT	EA	2
S-24-8-08	8" MEGA-LUG FITTING RESTRAINT	EA	8
S-24-9-1	CONCRETE THRUST BLOCKS	CY	10
S-24-9-2	CONCRETE ENCASEMENTS	CY	10
S-27-2	AIR RELEASE VALVE REMOVAL & REPLACEMENT	EA	1
S-29-1-08	CONNECT NEW 8" MAIN TO EX MANHOLE	EA	3
S-33-06-06	CONNECT 6" FM TO EXISTING 6" FM	EA	1
S-33-08-08	CONNECT 8" GRAVITY TO EXISTING 8" GRAVITY	EA	1

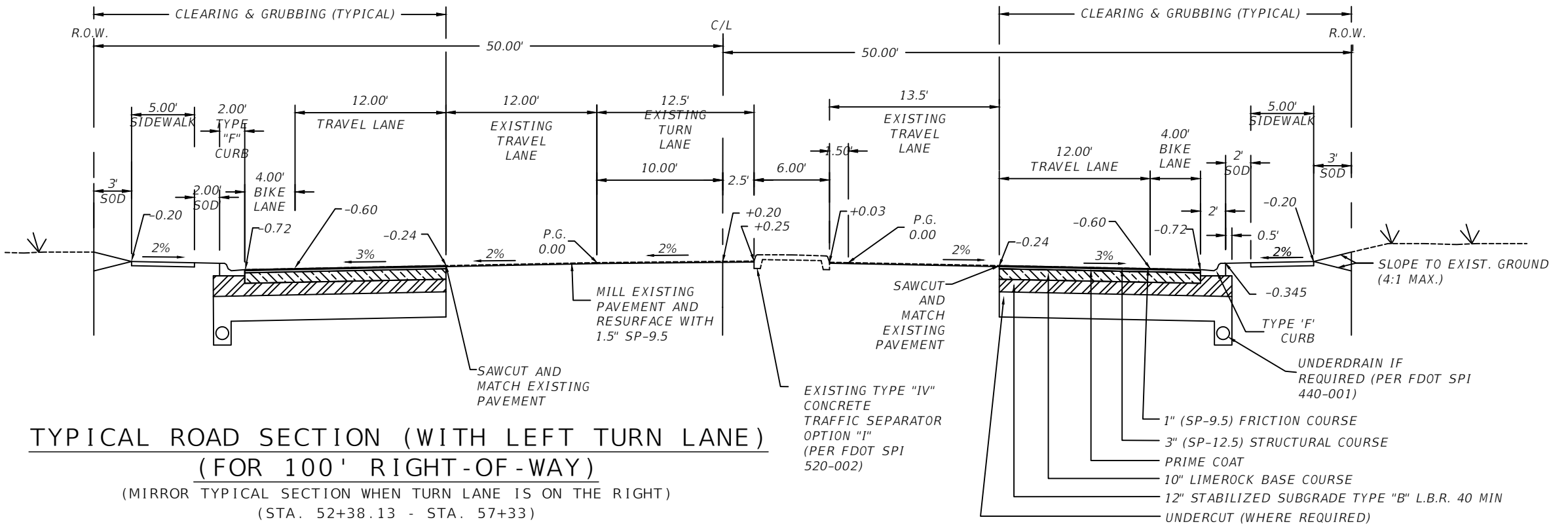
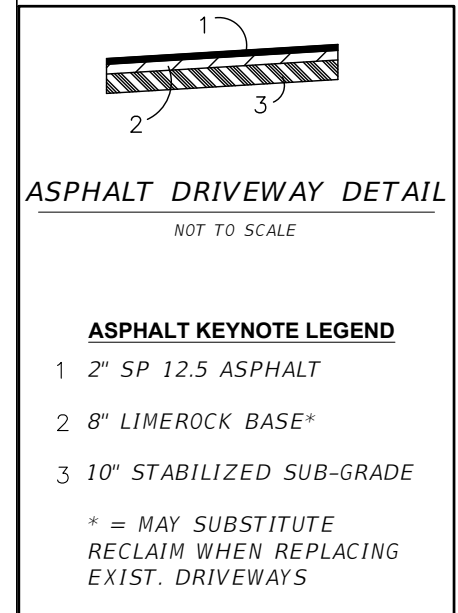
REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	 PREPARED BY PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SUMMARY OF PAY ITEMS (2)	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION				
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WATER SYSTEM			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
W-01-1-01	1" PVC SERVICE (LONG SIDE)	EA	1
W-01-1-08	8" PVC WATER MAIN	LF	0
W-01-2-08	8" DIP WATER MAIN	LF	230
W-01-2-12	12" DIP WATER MAIN	LF	143
W-01-2-16	16" DIP WATER MAIN	LF	3332
W-02-01	1" BACKFLOW PREVENTER	EA	1
W-03-2-08-1-2	8" DIP MJ 22.5 DEGREE BEND	EA	4
W-03-2-08-1-4	8" DIP MJ 45 DEGREE BEND	EA	8
W-03-2-08-1-8	8" DIP MJ 90 DEGREE BEND	EA	1
W-03-2-08-1-9	8" DIP MJ PLUG	EA	4
W-03-2-08-3-16	8" X 12" DIP MJ TEE	EA	1
W-03-2-08-3-16	8" X 16" DIP MJ TEE	EA	2
W-03-2-08-4-16	8" X 16" DIP MJ CROSS	EA	2
W-03-2-12-1-2	12" DIP MJ 22.5 DEGREE BEND	EA	2
W-03-2-12-1-4	12" DIP MJ 45 DEGREE BEND	EA	4
W-03-2-12-1-8	12" DIP MJ 90 DEGREE BEND	EA	1
W-03-2-12-1-9	12" DIP MJ PLUG	EA	1
W-03-2-12-3-16	12" X 16" DIP REDUCER	EA	1
W-03-2-16-1-2	16" DIP MJ 22.5 DEGREE BEND	EA	6
W-03-2-16-1-4	16" DIP MJ 45 DEGREE BEND	EA	12
W-03-2-16-1-8	16" DIP MJ 90 DEGREE BEND	EA	2
W-05-1-08	8" GATE VALVE W/ SST STEM & VALVE BOX	EA	8
W-05-2-12	12" BUTTERFLY VALVE & VALVE BOX	EA	1
W-05-2-16	16" BUTTERFLY VALVE & VALVE BOX	EA	5
W-09-1-08	FH ASSEMBLY ON 8" MAIN, TYPE A	EA	1
W-09-2-08	FH ASSEMBLY ON 8" MAIN, TYPE B	EA	1
W-09-1-16	FH ASSEMBLY ON 16" MAIN, TYPE A	EA	7
W-11-1	REMOVE EXIST. FIRE HYDRANT ASSEMBLY	EA	2
W-16-08-08	CONNECT NEW 8" MAIN TO EX 8" MAIN	EA	1
W-16-16-08	8" TAP ON EXISTING 16" WATER MAIN	EA	1
W-16-16-16	CONNECT NEW 16" MAIN TO EX 16" MAIN	EA	4
W-20	ADJUST EXISTING WATER VALVE BOX	EA	6
W-22-2	ABANDON 12" WATER MAIN	EA	1

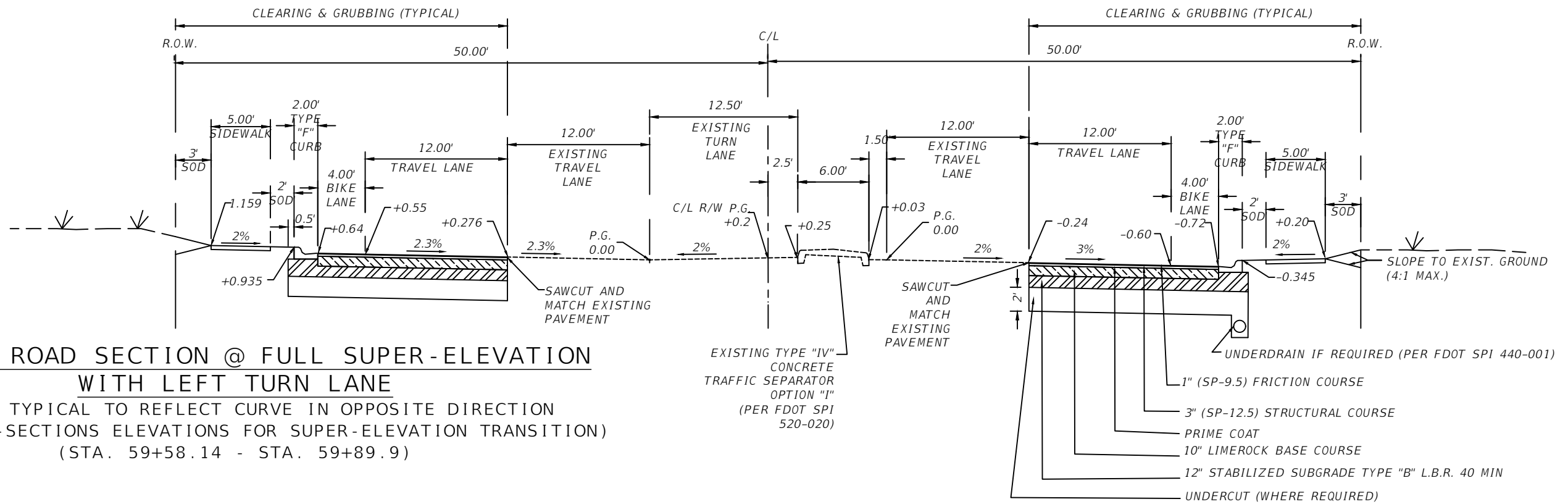
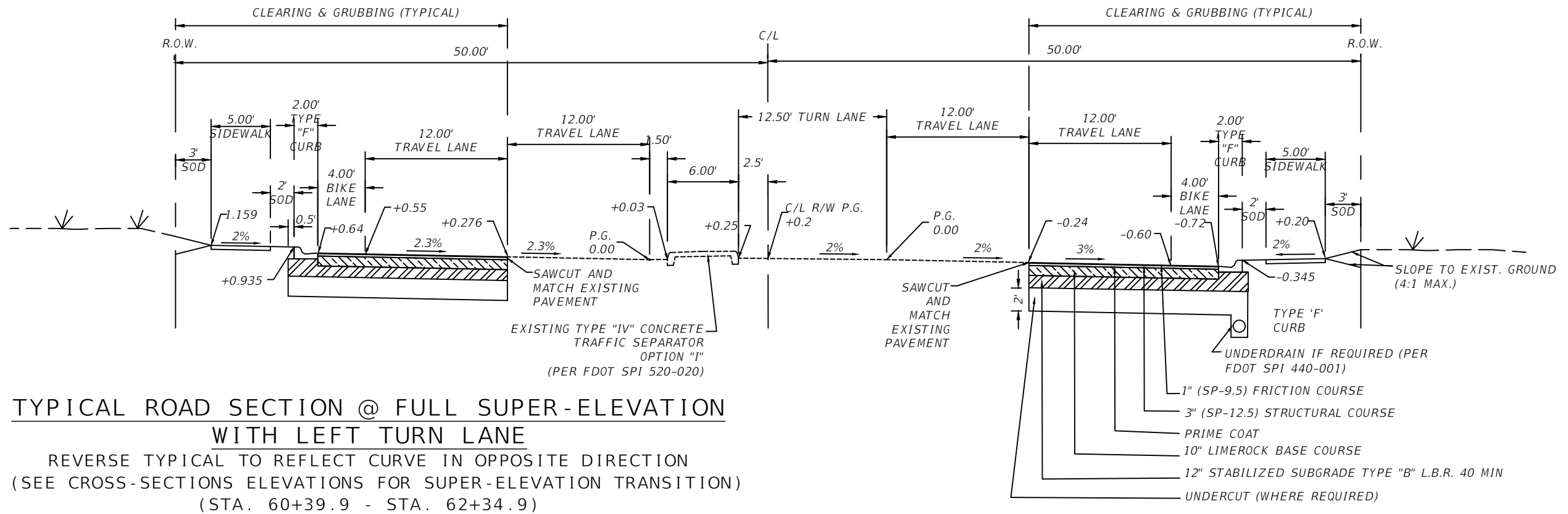
REVISIONS		PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION			
10/26/23	REVISED WATER MAIN & FIRE HYDRANT QUANTITIES	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		SUMMARY OF PAY ITEMS (3)
				9



- DESIGN SPEED 30 MPH**
- (MAXIMUM SUPER-ELEVATION IS -2.3)
 - MINIMUM LENGTH OF TRANSITION IS 100'
 - 80% SUPER-ELEVATION TRANSITION ON TANGENT RUN
 - BEGIN TRANSITION STA. 52+07.67
 - TANGENT RUN-OUT STA. 52+41.16
 - POINT OF CURVATURE (P.C.) STA. 52+87.67
 - BEGIN FULL SUPER-ELEVATION STA. 53+07.67
 - END FULL SUPER-ELEVATION STA. 55+54.57
 - POINT OF TANGENCY (P.T.) STA. 55+74.57
 - TANGENT RUN-OUT STA. 56+08.06
 - END TRANSITION STA. 56+54.57

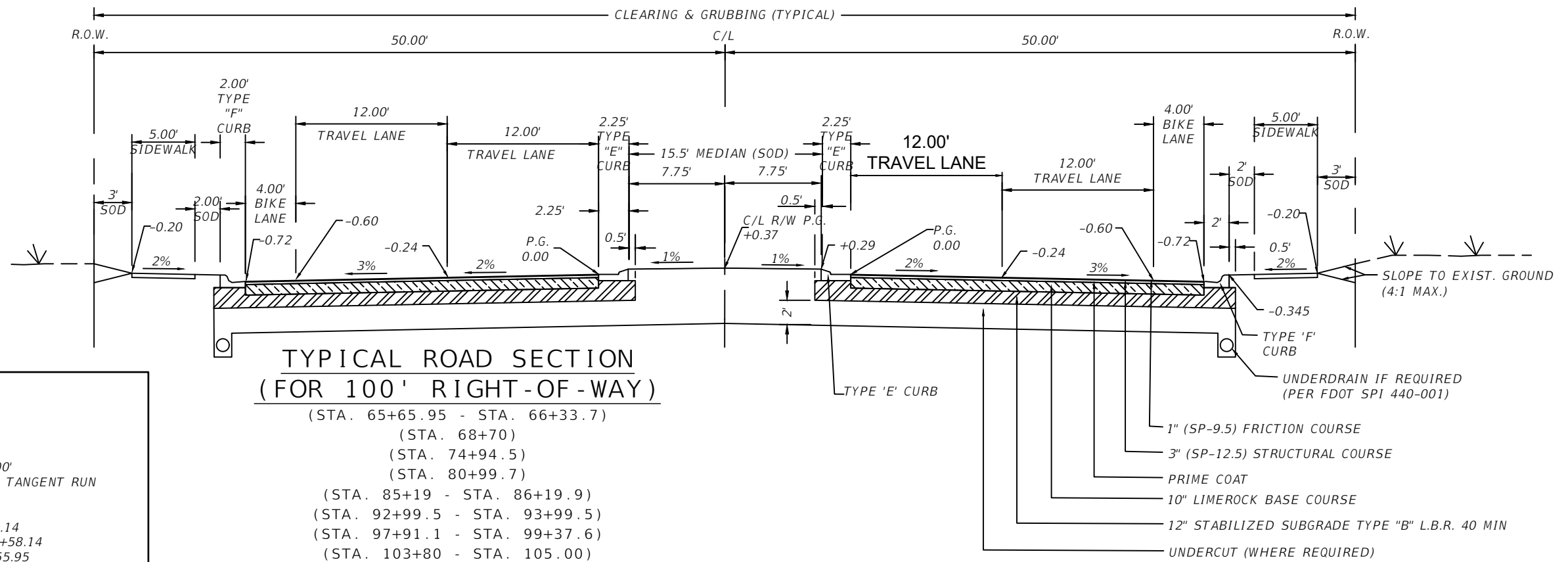


REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. TYPICAL SECTIONS (1)
DATE	DESCRIPTION	DATE	DESCRIPTION				
							10



REVISIONS				PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
				OCALA CITY ENGINEER'S OFFICE	TYPICAL SECTIONS (2)	11

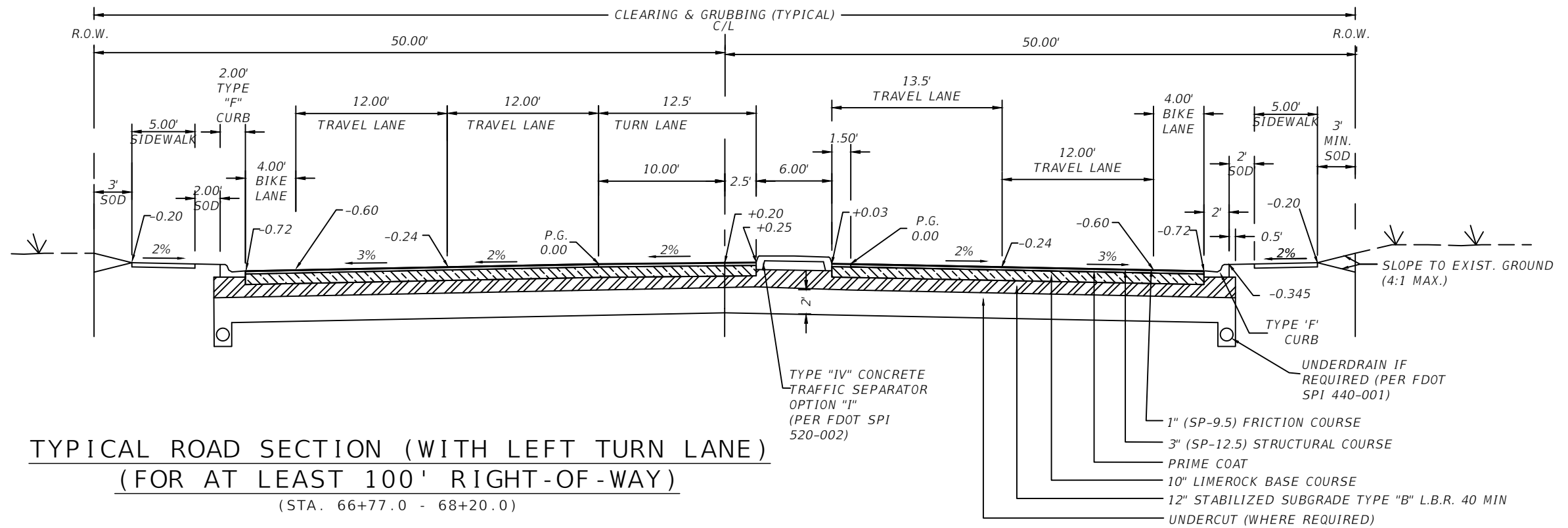
NOEL JOHN COOPER, P.E.
 P.E. LICENSE NUMBER 69534
 STATE OF FLORIDA, DATE: _____
 VALID ONLY WITH EMBOSSED SEAL.



DESIGN SPEED 30 MPH

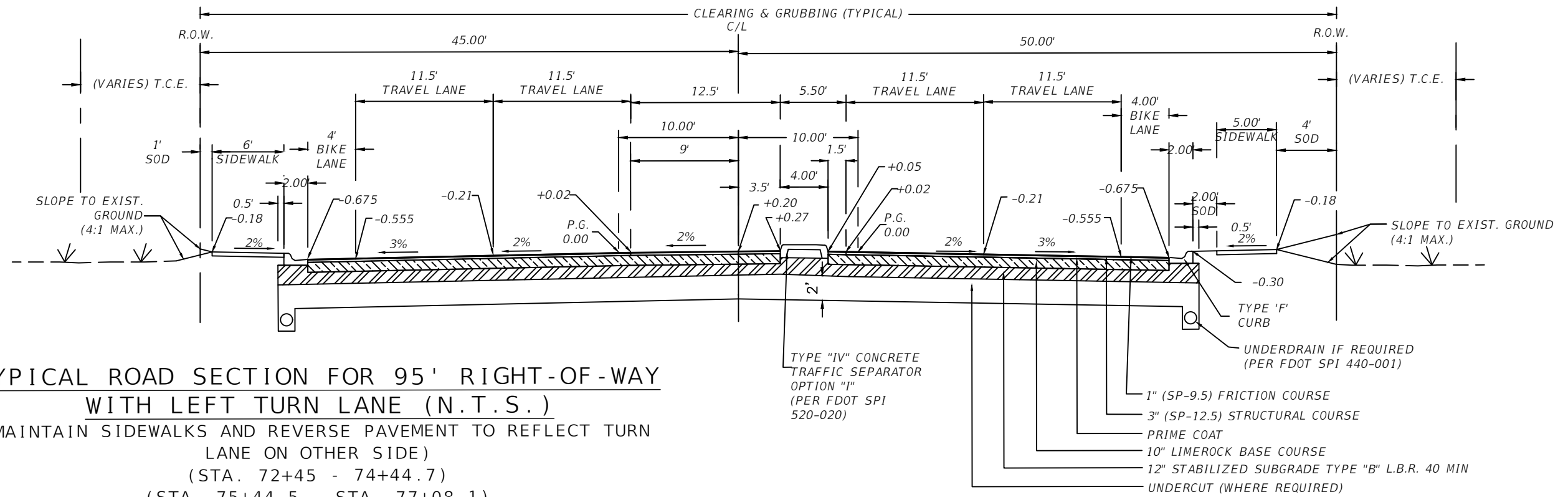
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- MINIMUM LENGTH OF TRANSITION IS 100'
- 80% SUPER-ELEVATION TRANSITION ON TANGENT RUN
- BEGIN TRANSITION STA. 58+58.14
- TANGENT RUN-OUT STA. 58+95.35
- POINT OF CURVATURE (P.C.) STA. 59+38.14
- BEGIN FULL SUPER-ELEVATION STA. 59+58.14
- END FULL SUPER-ELEVATION STA. 64+65.95
- POINT OF TANGENCY (P.T.) STA. 64+85.95
- TANGENT RUN-OUT STA. 65+19.44
- END TRANSITION STA. 65+65.95

- (STA. 68+70)
- (STA. 74+94.5)
- (STA. 80+99.7)
- (STA. 85+19 - STA. 86+19.9)
- (STA. 92+99.5 - STA. 93+99.5)
- (STA. 97+91.1 - STA. 99+37.6)
- (STA. 103+80 - STA. 105.00)

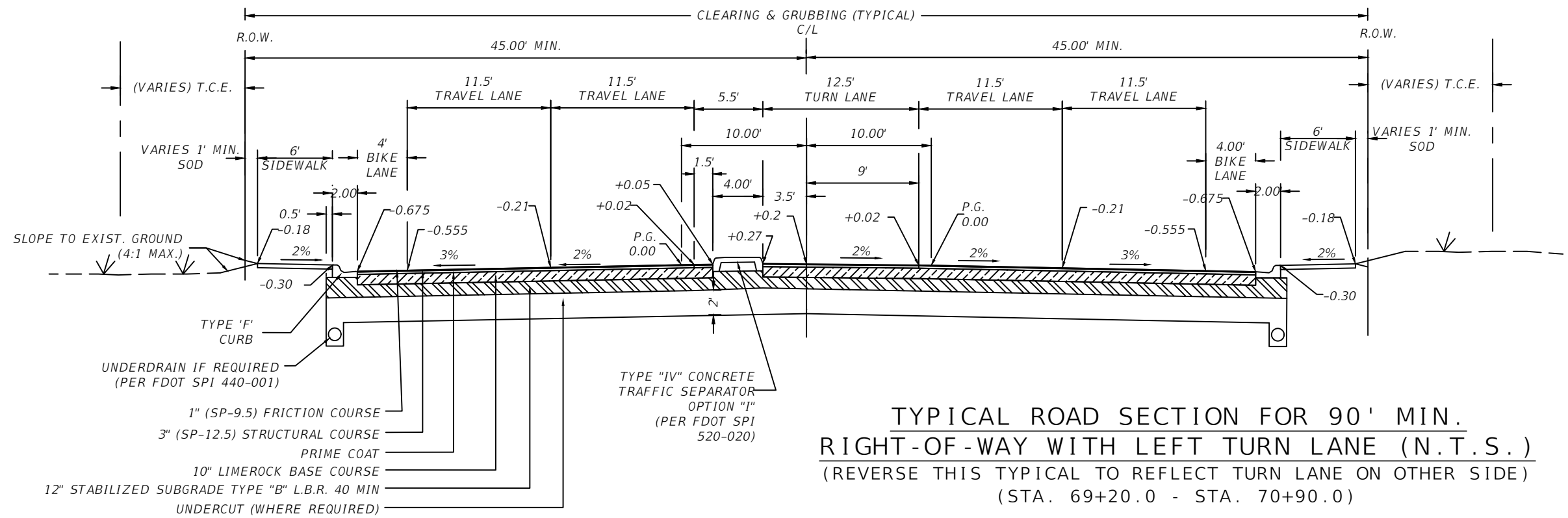


REVISIONS				PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
				OCALA CITY ENGINEER'S OFFICE Gary Anson	TYPICAL SECTIONS (3)	12

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



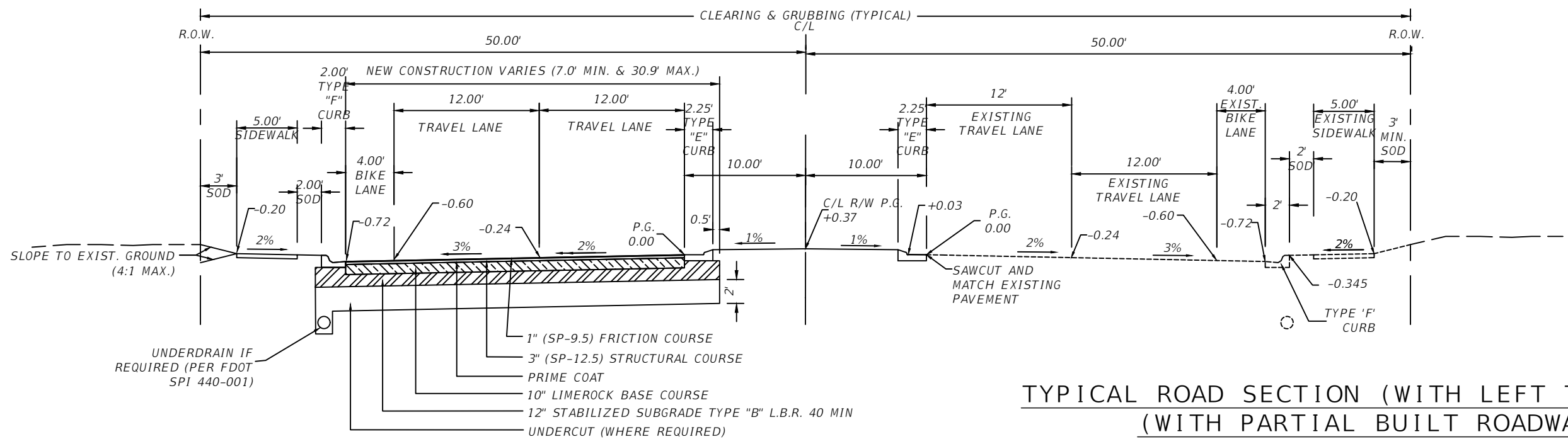
TYPICAL ROAD SECTION FOR 95' RIGHT-OF-WAY WITH LEFT TURN LANE (N.T.S.)
 (MAINTAIN SIDEWALKS AND REVERSE PAVEMENT TO REFLECT TURN LANE ON OTHER SIDE)
 (STA. 72+45 - 74+44.7)
 (STA. 75+44.5 - STA. 77+08.1)



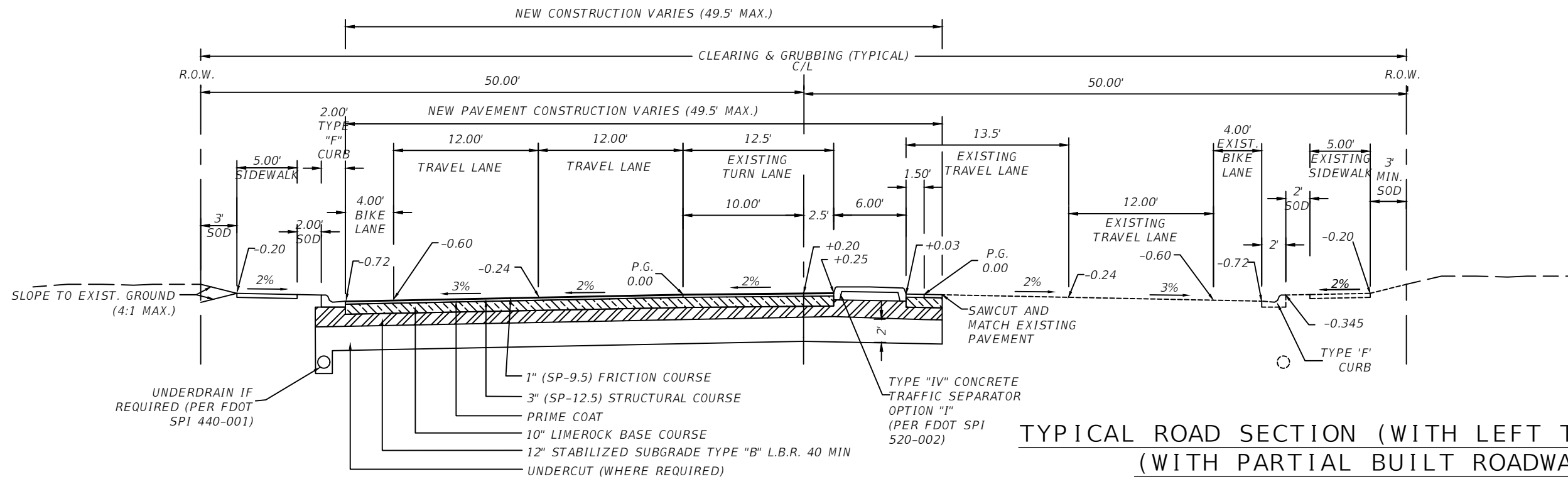
TYPICAL ROAD SECTION FOR 90' MIN. RIGHT-OF-WAY WITH LEFT TURN LANE (N.T.S.)
 (REVERSE THIS TYPICAL TO REFLECT TURN LANE ON OTHER SIDE)
 (STA. 69+20.0 - STA. 70+90.0)

REVISIONS				PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
				OCALA CITY ENGINEER'S OFFICE Gary Anson	TYPICAL SECTIONS (4)	13

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



**TYPICAL ROAD SECTION (WITH LEFT TURN LANE)
(WITH PARTIAL BUILT ROADWAY)**
(STA. 103+78.23 - STA. 105+00)



**TYPICAL ROAD SECTION (WITH LEFT TURN LANE)
(WITH PARTIAL BUILT ROADWAY)**
(STA. 100+60.0 - STA. 103+29.35)

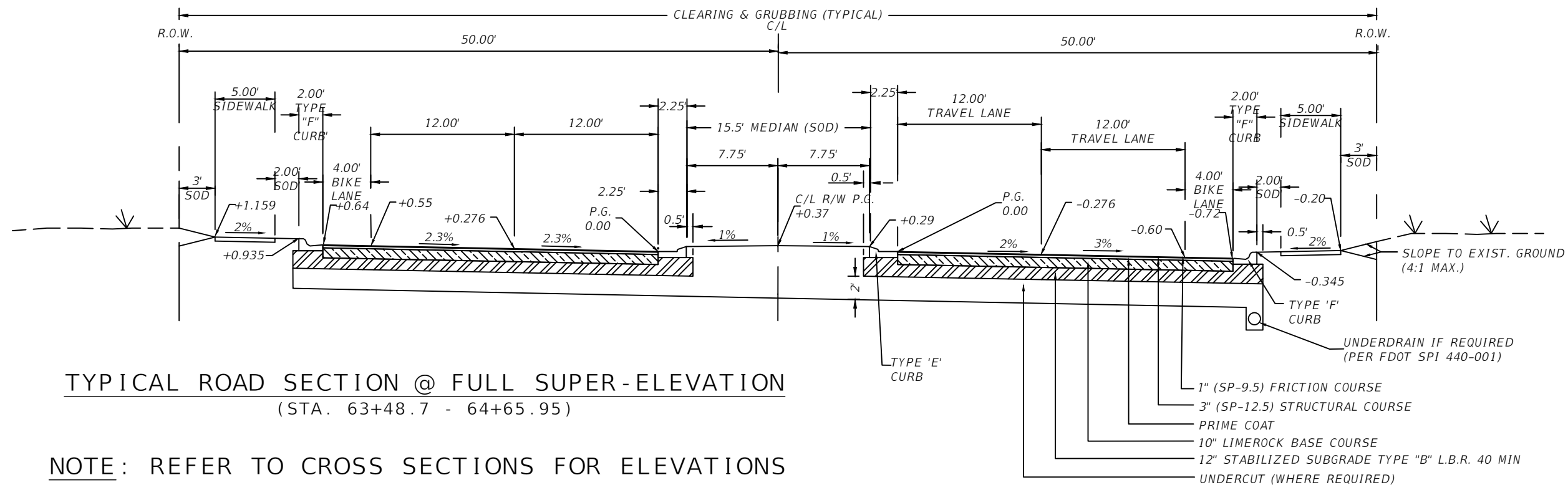
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

PREPARED BY
OCALA
CITY ENGINEER'S OFFICE

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)
TYPICAL SECTIONS
(5)

SHEET NO.
14



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

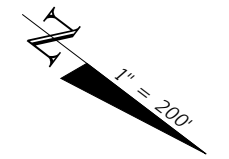
Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)
TYPICAL SECTIONS
(6)

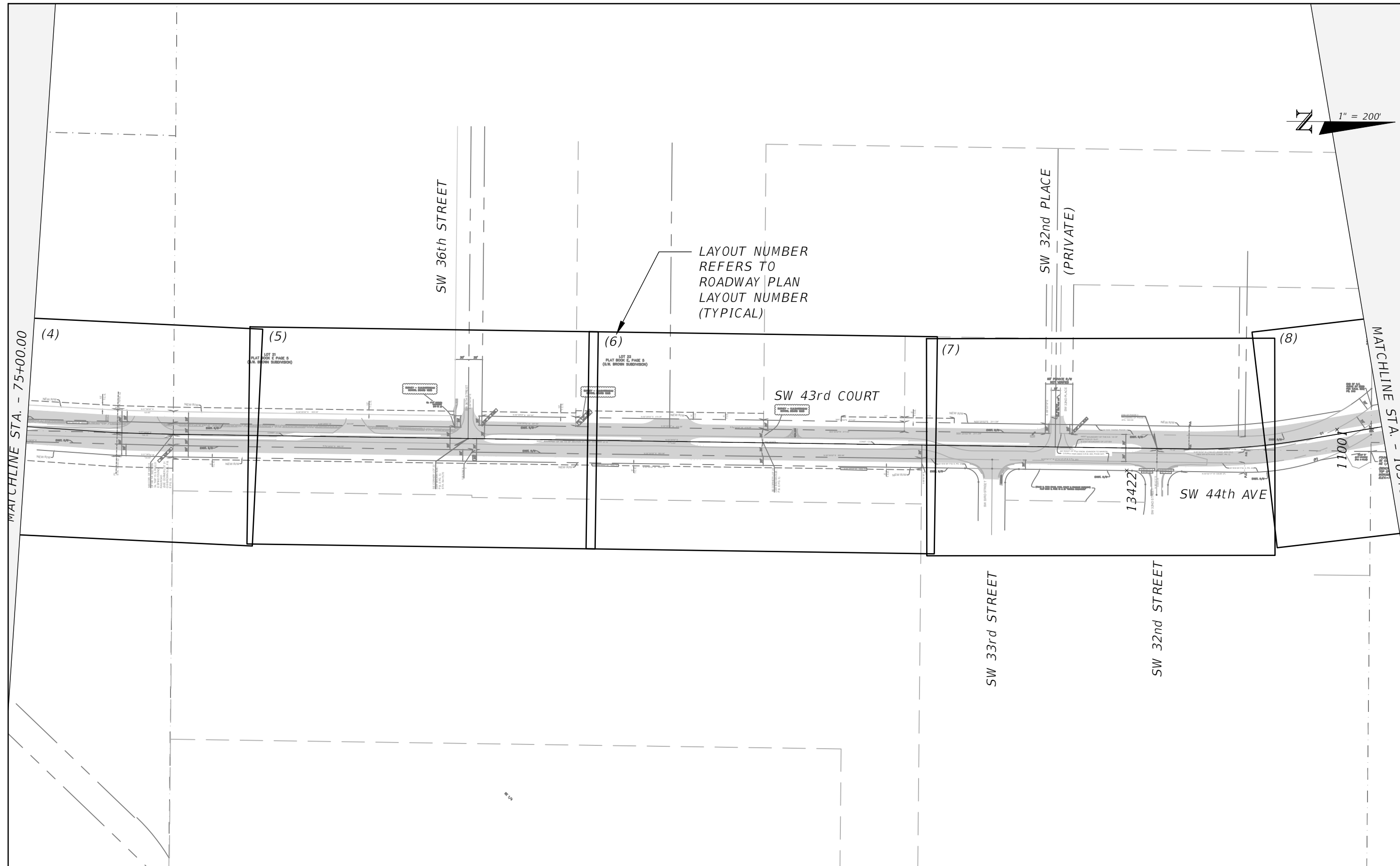
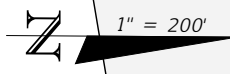
SHEET NO.
15



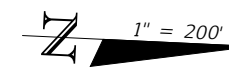
LAYOUT NUMBER
REFERS TO
ROADWAY PLAN
LAYOUT NUMBER
(TYPICAL)



REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	<p style="font-size: 24pt; font-weight: bold;">PROJECT LAYOUT (1)</p>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					



REVISIONS		DESCRIPTION	PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION				
			OCALA CITY ENGINEER'S OFFICE	PROJECT LAYOUT (2)	17
NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.					



LAYOUT NUMBER
REFERS TO
ROADWAY PLAN
LAYOUT NUMBER
(TYPICAL)

(8)

MATCHLINE STA. - 105+00.00


12987

SW 44th AVENUE

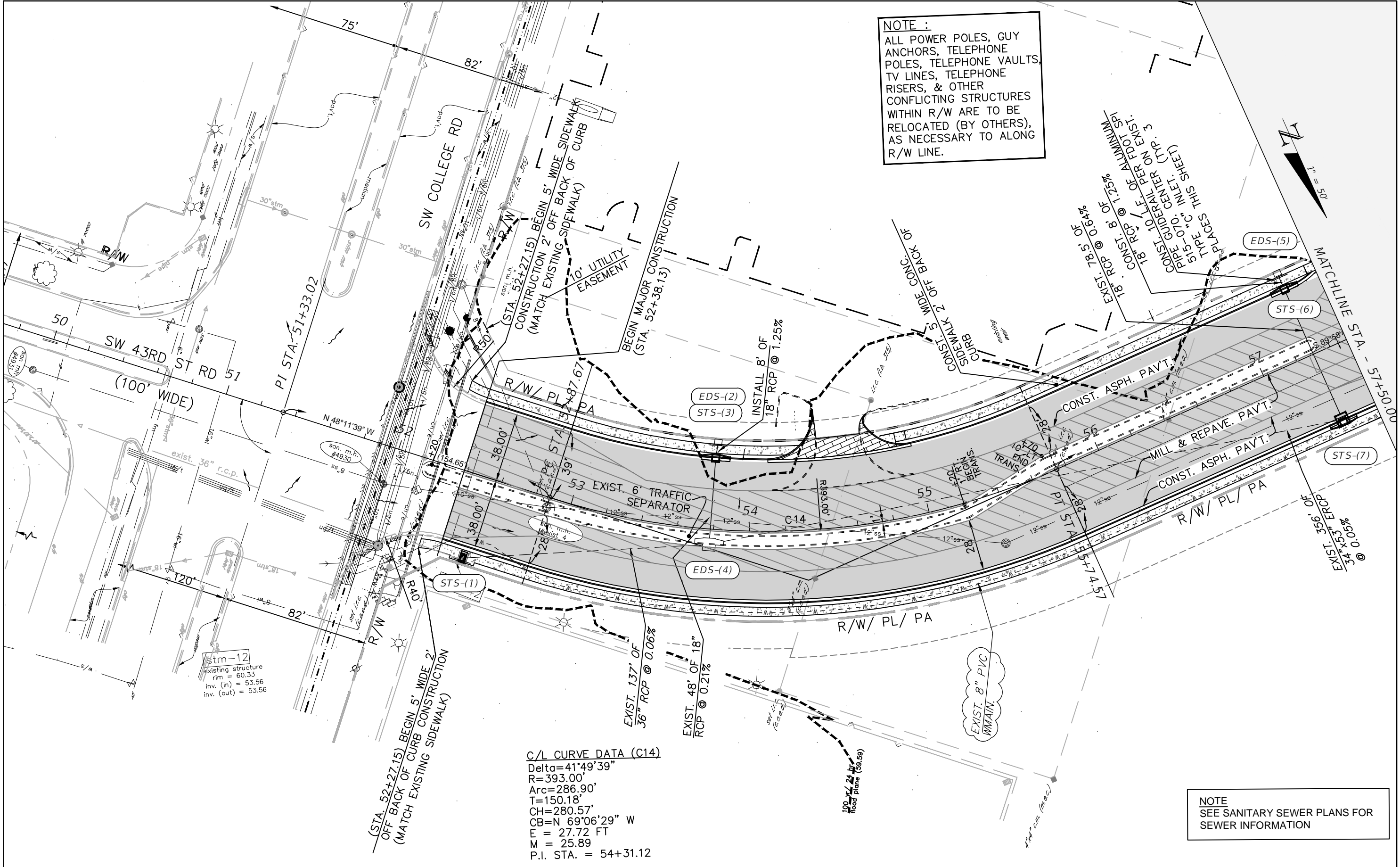
REVISIONS				PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
---	---			OCALA CITY ENGINEER'S OFFICE	PROJECT LAYOUT (3)	18
			NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.			

Point Table

POINT NUMBER	(X) EASTING	(Y) NORTHING	SCALE FACTOR	CONVERGENCE	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) ELEVATION	POINT DESCRIPTION
1	595311.680	1749073.658	0.99994500	-000° 05' 34"	029° 08' 42.105"	-082° 11' 26.302"	52+02.96	14.71 RT	62.73	CIRC /COED
2	595073.840	1748808.157	0.99994500	-000° 05' 36"	029° 08' 39.473"	-082° 11' 28.979"	52+03.27	341.74 LT	64.01	CIRC /COED
312	595357.900	1749120.834	0.99994500	-000° 05' 34"	029° 08' 42.573"	-082° 11' 25.782"	51+99.96	80.68 RT	63.41	CNL /Spike
595	595203.490	1749101.761	0.99994500	-000° 05' 35"	029° 08' 42.381"	-082° 11' 27.523"	53+03.83	36.16 LT	58.68	CNL /Spike
599	595380.040	1749146.647	0.99994500	-000° 05' 34"	029° 08' 42.829"	-082° 11' 25.532"	52+00.66	114.68 RT	63.77	CNL /Spike
706	595091.170	1749184.398	0.99994500	-000° 05' 35"	029° 08' 43.198"	-082° 11' 28.791"	54+52.92	16.99 LT	59.09	CNL /Spike
746	594977.430	1749248.119	0.99994500	-000° 05' 36"	029° 08' 43.827"	-082° 11' 30.075"	55+73.80	28.90 RT	58.71	CNL /Spike
5069	594275.960	1750170.506	0.99994600	-000° 05' 40"	029° 08' 52.947"	-082° 11' 38.003"	71+18.41	36.96 RT	62.38	CNL /Spike
10200	594216.280	1749632.750	0.99994600	-000° 05' 40"	029° 08' 47.622"	-082° 11' 38.666"	65+78.61	0.08 RT	69.21	CNL /Spike
10201	594239.800	1750189.450	0.99994600	-000° 05' 40"	029° 08' 53.134"	-082° 11' 38.411"	71+35.81	0.03 RT	61.79	CNL /Spike
11001	594245.120	1753449.776	0.99994600	-000° 05' 40"	029° 09' 25.413"	-082° 11' 38.412"	104+01.30	10.01 LT	79.55	CNL /60D TBM
12852	593873.560	1757552.103	0.99994600	-000° 05' 42"	029° 10' 06.021"	-082° 11' 42.679"	145+64.43	234.88 LT	79.87	CIRC /TBM TRAV PT 255
12862	594127.170	1757538.030	0.99994600	-000° 05' 41"	029° 10' 05.886"	-082° 11' 39.818"	145+52.50	18.84 RT	77.55	CIRC /TBM TRAV PT 256
12981	594170.300	1753860.068	0.99994600	-000° 05' 41"	029° 09' 29.474"	-082° 11' 39.263"	108+17.10	16.13 LT	79.02	CNL /60D TBM
13190	594355.550	1755652.071	0.99994600	-000° 05' 40"	029° 09' 47.218"	-082° 11' 37.207"	126+19.82	72.73 RT	75.00	CNL /60D TBM
13229	594113.570	1755896.437	0.99994600	-000° 05' 41"	029° 09' 49.634"	-082° 11' 39.941"	129+25.46	84.94 LT	71.16	CNL /60D TBM
13422	594338.750	1752985.325	0.99994600	-000° 05' 40"	029° 09' 20.816"	-082° 11' 37.347"	99+33.04	49.85 RT	77.56	CNL /60D TBM

REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			SURVEY CONTROL POINTS	19
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NOTE :
 ALL POWER POLES, GUY ANCHORS, TELEPHONE POLES, TELEPHONE VAULTS, TV LINES, TELEPHONE RISERS, & OTHER CONFLICTING STRUCTURES WITHIN R/W ARE TO BE RELOCATED (BY OTHERS), AS NECESSARY TO ALONG R/W LINE.



C/L CURVE DATA (C14)
 Delta=41°49'39"
 R=393.00'
 Arc=286.90'
 T=150.18'
 CH=280.57'
 CB=N 69°06'29" W
 E = 27.72 FT
 M = 25.89
 P.I. STA. = 54+31.12

NOTE
 SEE SANITARY SEWER PLANS FOR SEWER INFORMATION

REVISIONS	
DATE	DESCRIPTION
10/26/23	ADDED EXISTING UTILITIES

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

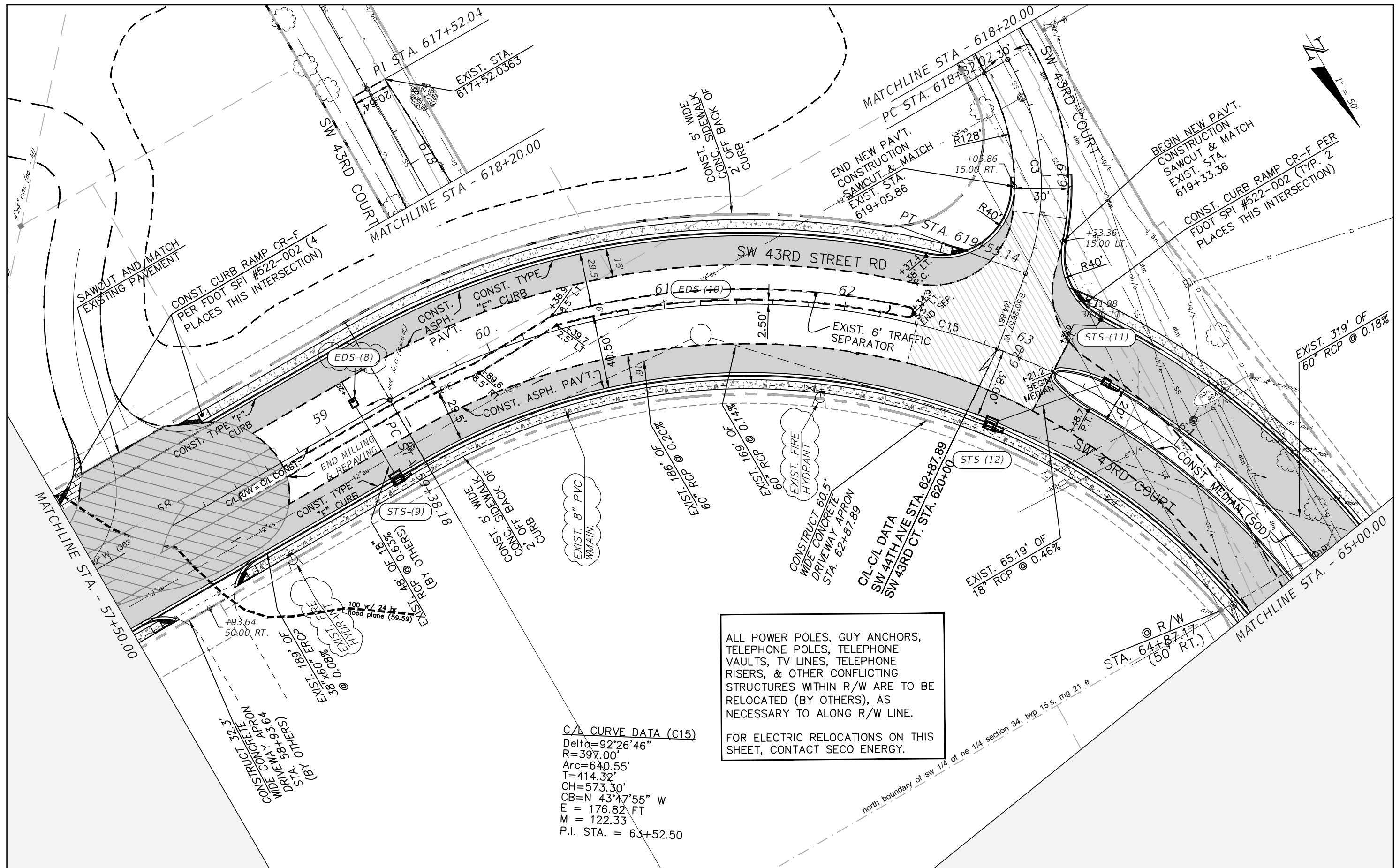
PREPARED BY

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY PLAN (1)

SHEET NO.
 20



ALL POWER POLES, GUY ANCHORS, TELEPHONE POLES, TELEPHONE VAULTS, TV LINES, TELEPHONE RISERS, & OTHER CONFLICTING STRUCTURES WITHIN R/W ARE TO BE RELOCATED (BY OTHERS), AS NECESSARY TO ALONG R/W LINE.

FOR ELECTRIC RELOCATIONS ON THIS SHEET, CONTACT SECO ENERGY.

C/L CURVE DATA (C15)
 Delta=92°26'46"
 R=397.00'
 Arc=640.55'
 T=414.32'
 CH=573.30'
 CB=N 43°47'55" W
 E = 176.82 FT
 M = 122.33
 P.I. STA. = 63+52.50

REVISIONS	
DATE	DESCRIPTION
10/26/23	ADDED EXISTING UTILITIES & REVISED LABEL

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

PREPARED BY

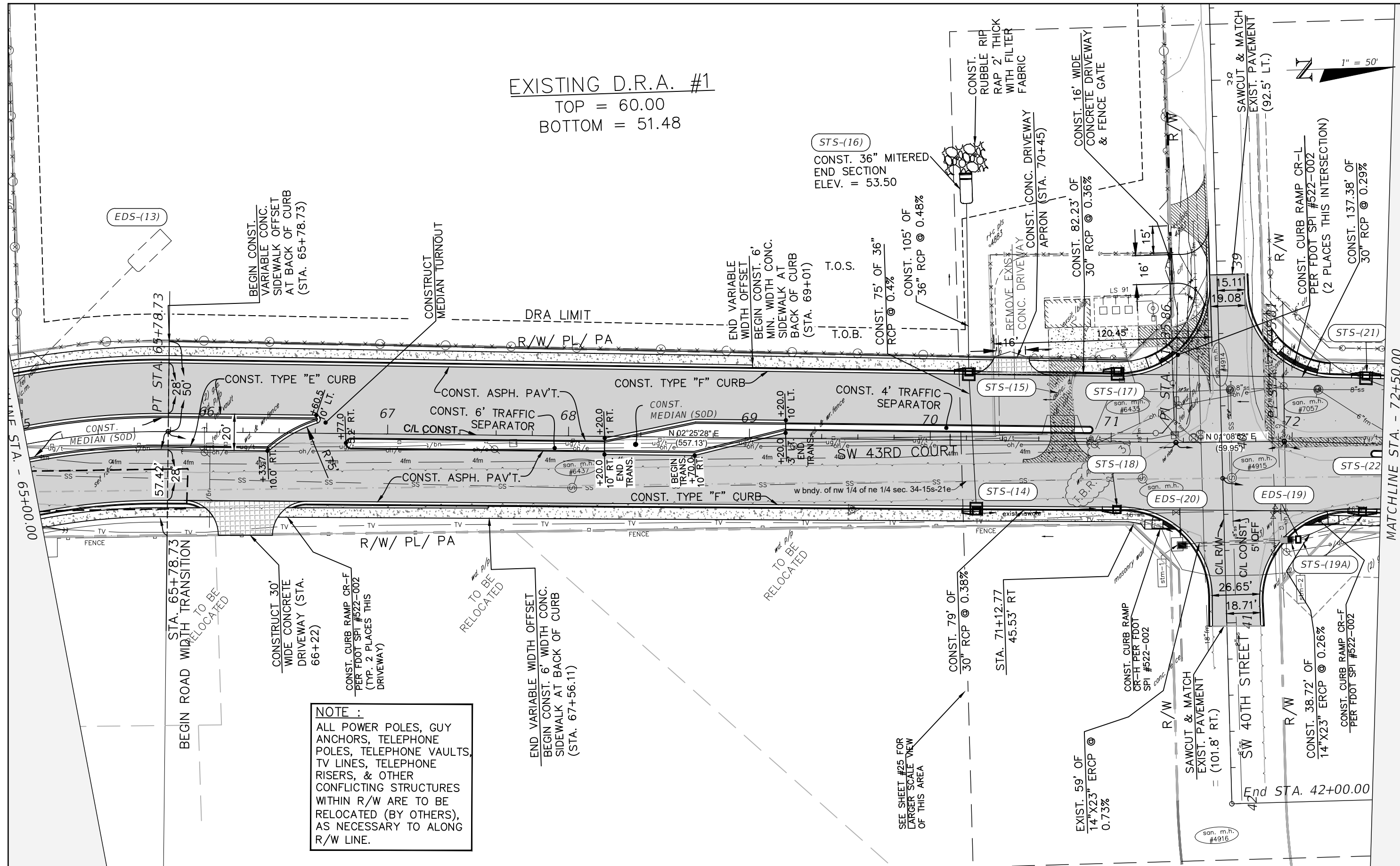
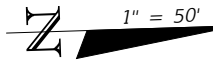
Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY PLAN (2)

SHEET NO.
21

EXISTING D.R.A. #1
 TOP = 60.00
 BOTTOM = 51.48



NOTE:
 ALL POWER POLES, GUY ANCHORS, TELEPHONE POLES, TELEPHONE VAULTS, TV LINES, TELEPHONE RISERS, & OTHER CONFLICTING STRUCTURES WITHIN R/W ARE TO BE RELOCATED (BY OTHERS), AS NECESSARY TO ALONG R/W LINE.

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

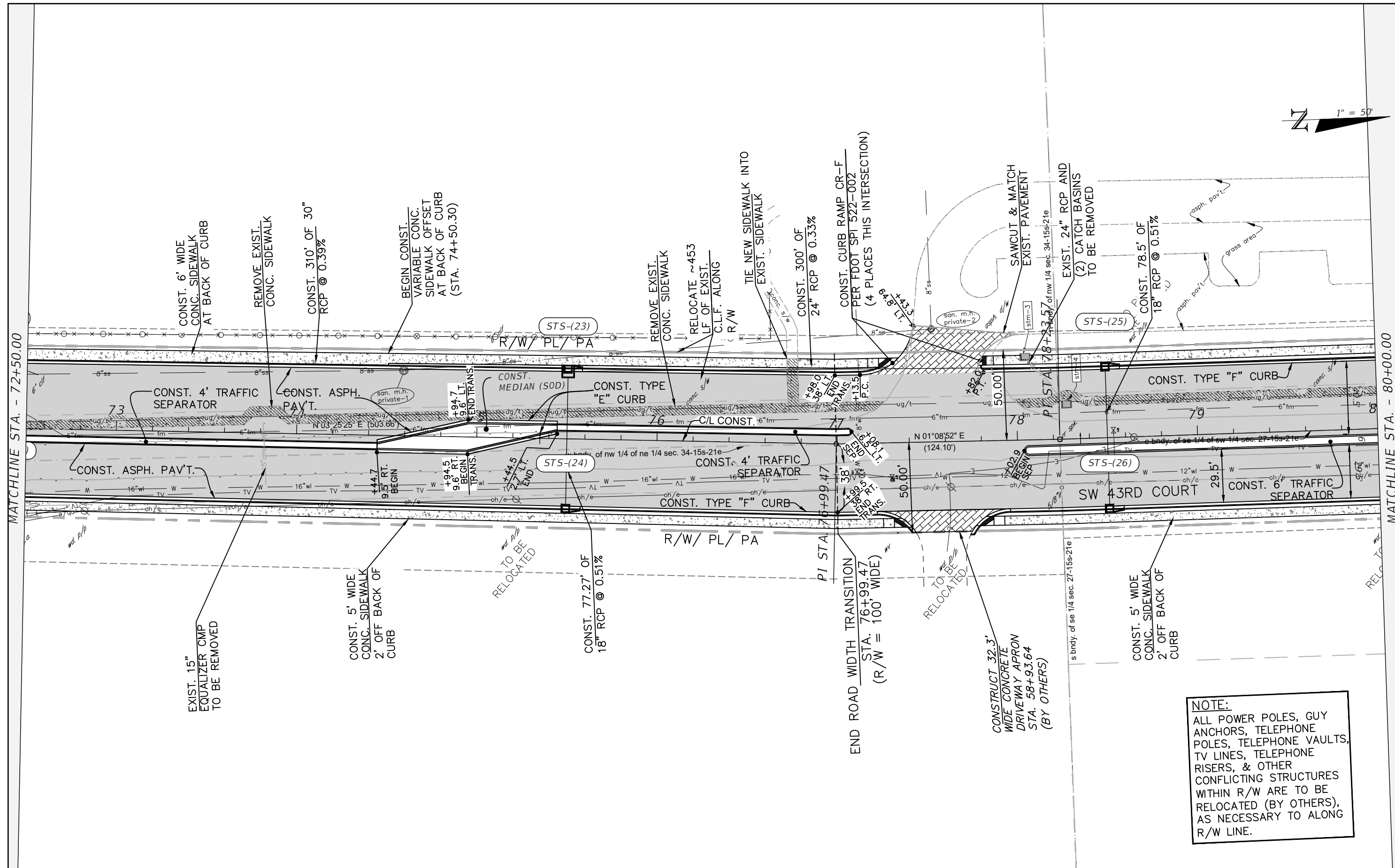
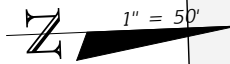
NOEL JOHN COOPER, P.E.
 P.E. LICENSE NUMBER 69534
 STATE OF FLORIDA, DATE: _____
 VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

 Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)
ROADWAY PLAN (3)

SHEET NO.
 22



MATCHLINE STA. - 72+50.00

MATCHLINE STA. - 80+00.00

NOTE:
 ALL POWER POLES, GUY ANCHORS, TELEPHONE POLES, TELEPHONE VAULTS, TV LINES, TELEPHONE RISERS, & OTHER CONFLICTING STRUCTURES WITHIN R/W ARE TO BE RELOCATED (BY OTHERS), AS NECESSARY TO ALONG R/W LINE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

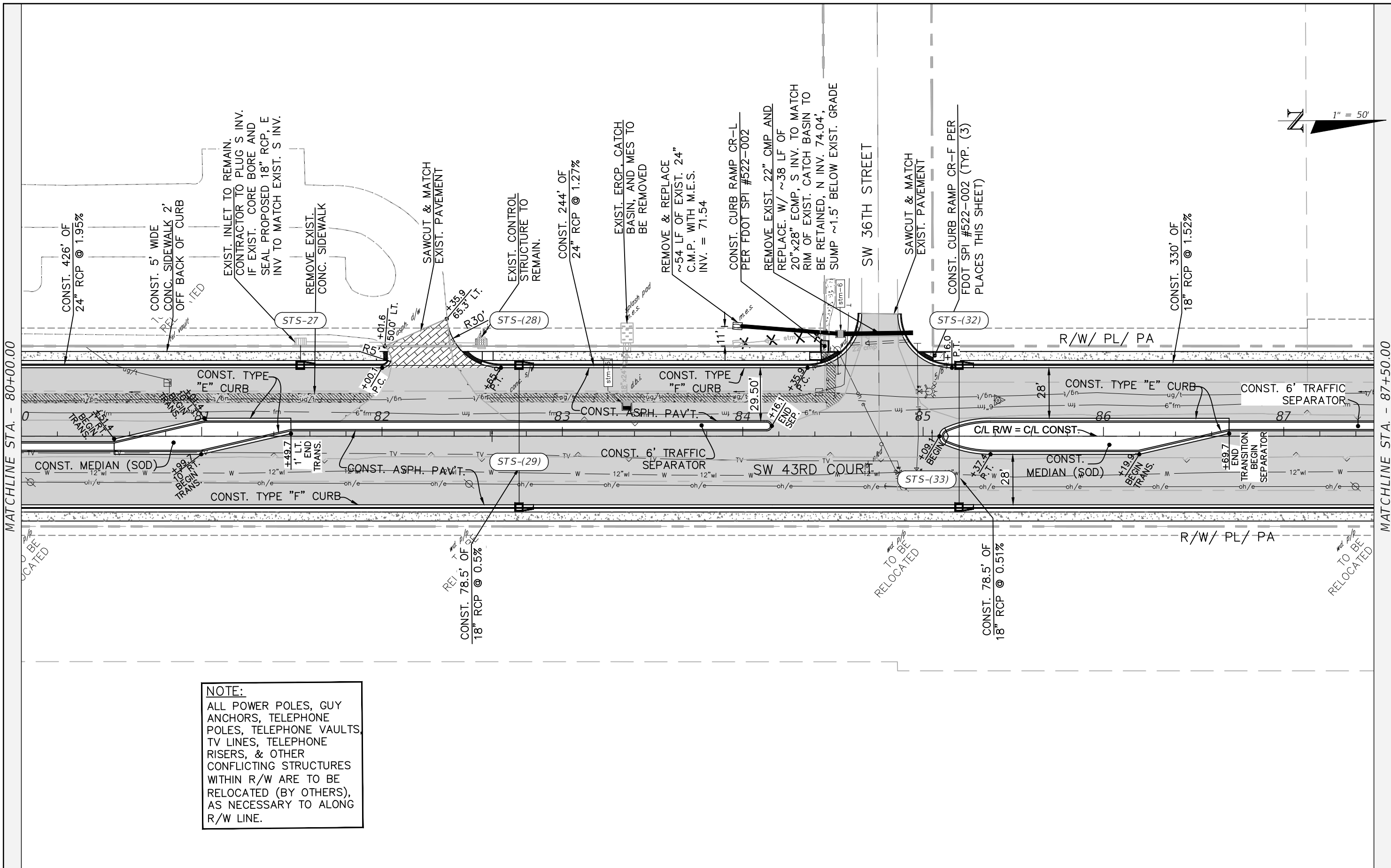
NOEL JOHN COOPER, P.E.
 P.E. LICENSE NUMBER 69534
 STATE OF FLORIDA, DATE: _____
 VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

 Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)
ROADWAY PLAN (4)

SHEET NO.
 23



NOTE:
 ALL POWER POLES, GUY ANCHORS, TELEPHONE POLES, TELEPHONE VAULTS, TV LINES, TELEPHONE RISERS, & OTHER CONFLICTING STRUCTURES WITHIN R/W ARE TO BE RELOCATED (BY OTHERS), AS NECESSARY TO ALONG R/W LINE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

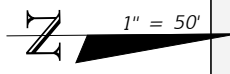
PREPARED BY

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

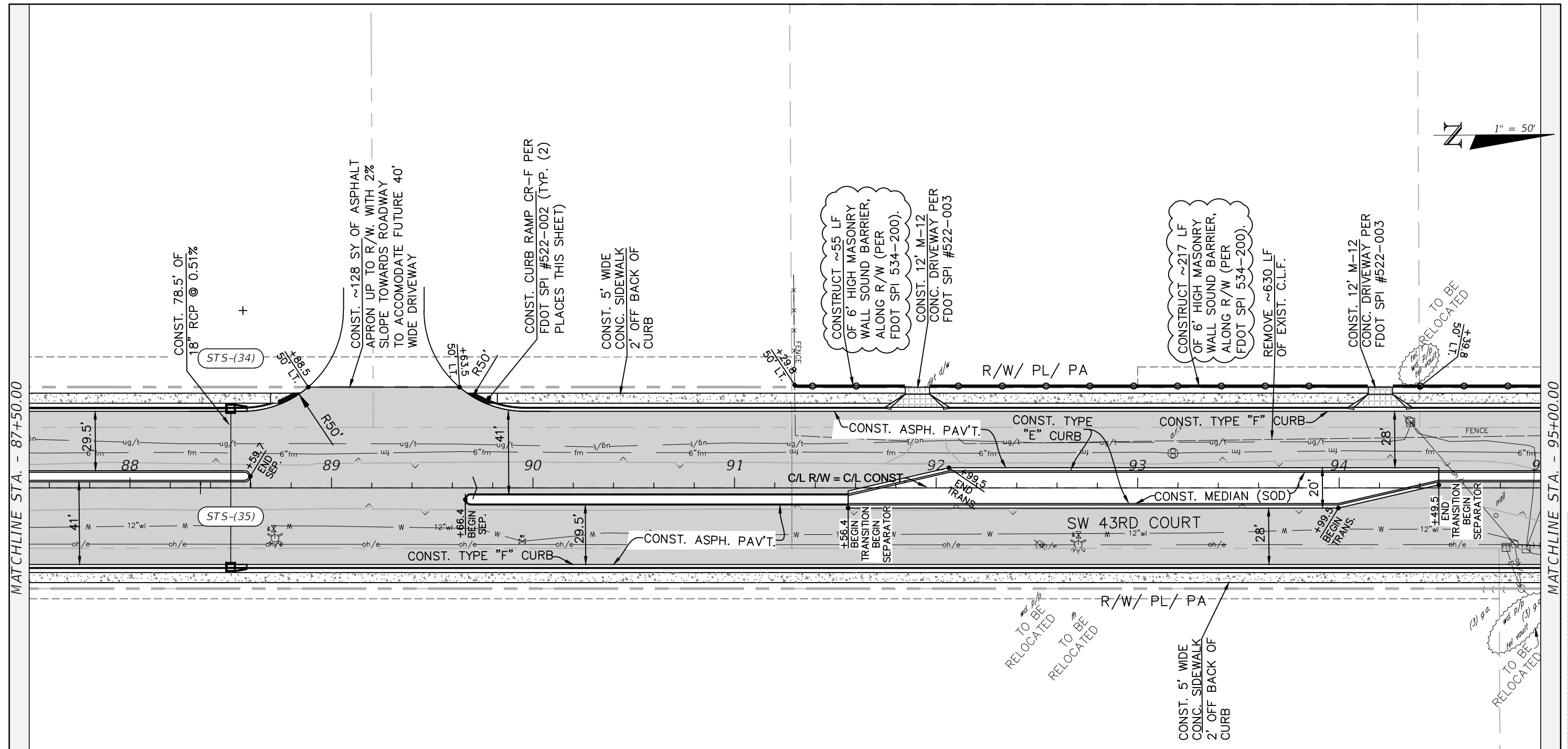
ROADWAY PLAN (5)

SHEET NO.
 24



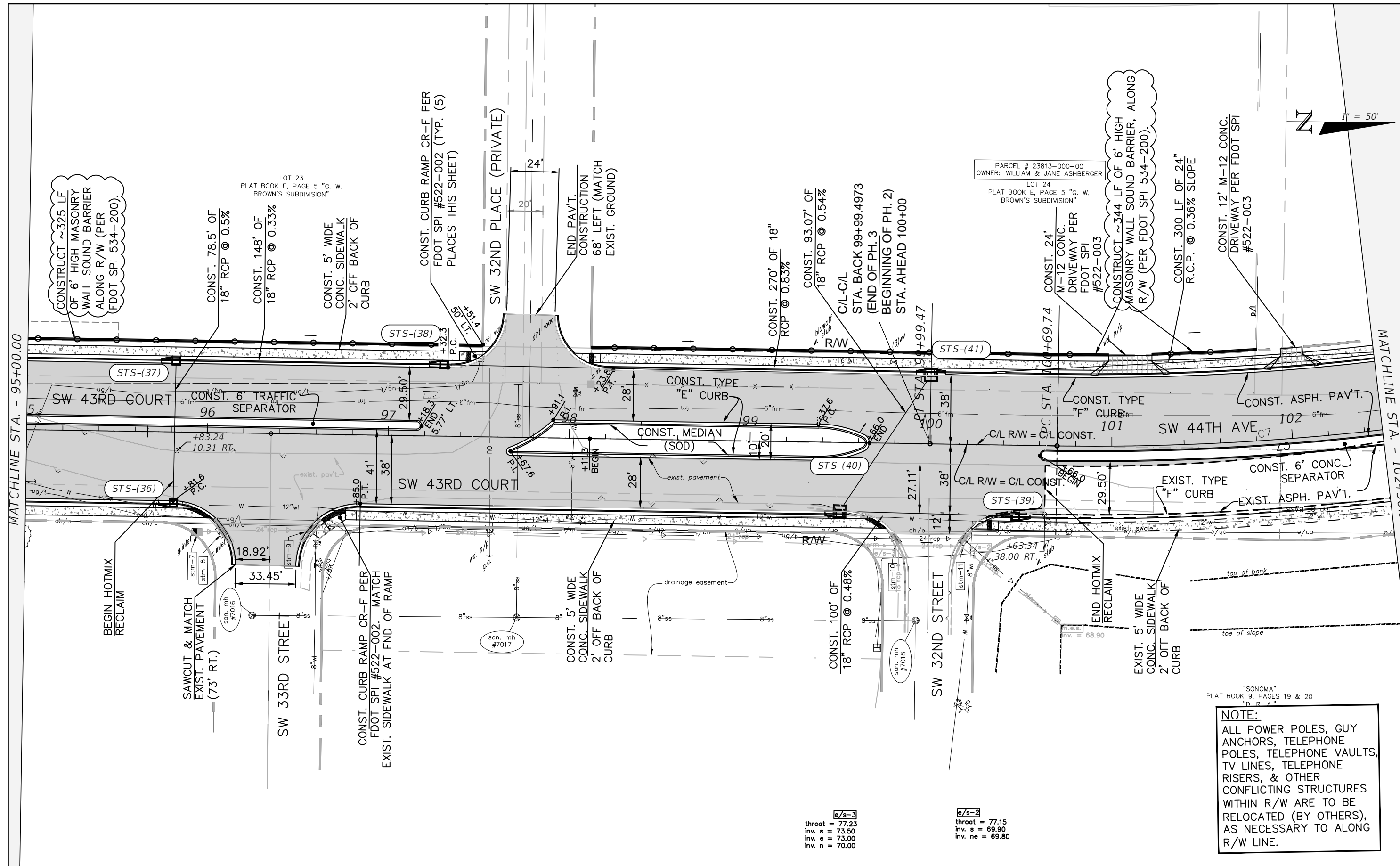
MATCHLINE STA. - 87+50.00

MATCHLINE STA. - 95+00.00

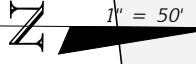


NOTE:
 ALL POWER POLES, GUY ANCHORS, TELEPHONE POLES, TELEPHONE VAULTS, TV LINES, TELEPHONE RISERS, & OTHER CONFLICTING STRUCTURES WITHIN R/W ARE TO BE RELOCATED (BY OTHERS), AS NECESSARY TO ALONG R/W LINE.

REVISIONS		PREPARED BY		PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
10/26/23	ADDED NOISE WALL REFERENCE			<p>NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.</p> <p>OCALA CITY ENGINEER'S OFFICE</p>	<p>ROADWAY PLAN (6)</p>



PARCEL # 23813-000-00
OWNER: WILLIAM & JANE ASHBERGER
LOT 24
PLAT BOOK E, PAGE 5 "G. W. BROWN'S SUBDIVISION"



NOTE:
ALL POWER POLES, GUY ANCHORS, TELEPHONE POLES, TELEPHONE VAULTS, TV LINES, TELEPHONE RISERS, & OTHER CONFLICTING STRUCTURES WITHIN R/W ARE TO BE RELOCATED (BY OTHERS), AS NECESSARY TO ALONG R/W LINE.

e/s-3
throat = 77.23
inv. s = 73.50
inv. e = 73.00
inv. n = 70.00

e/s-2
throat = 77.15
inv. s = 69.90
inv. ne = 69.80

MATCHLINE STA. - 95+00.00

MATCHLINE STA. - 102+50.00

REVISIONS	
DATE	DESCRIPTION
10/26/23	ADDED NOISE WALL REFERENCE

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

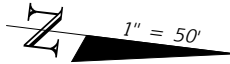
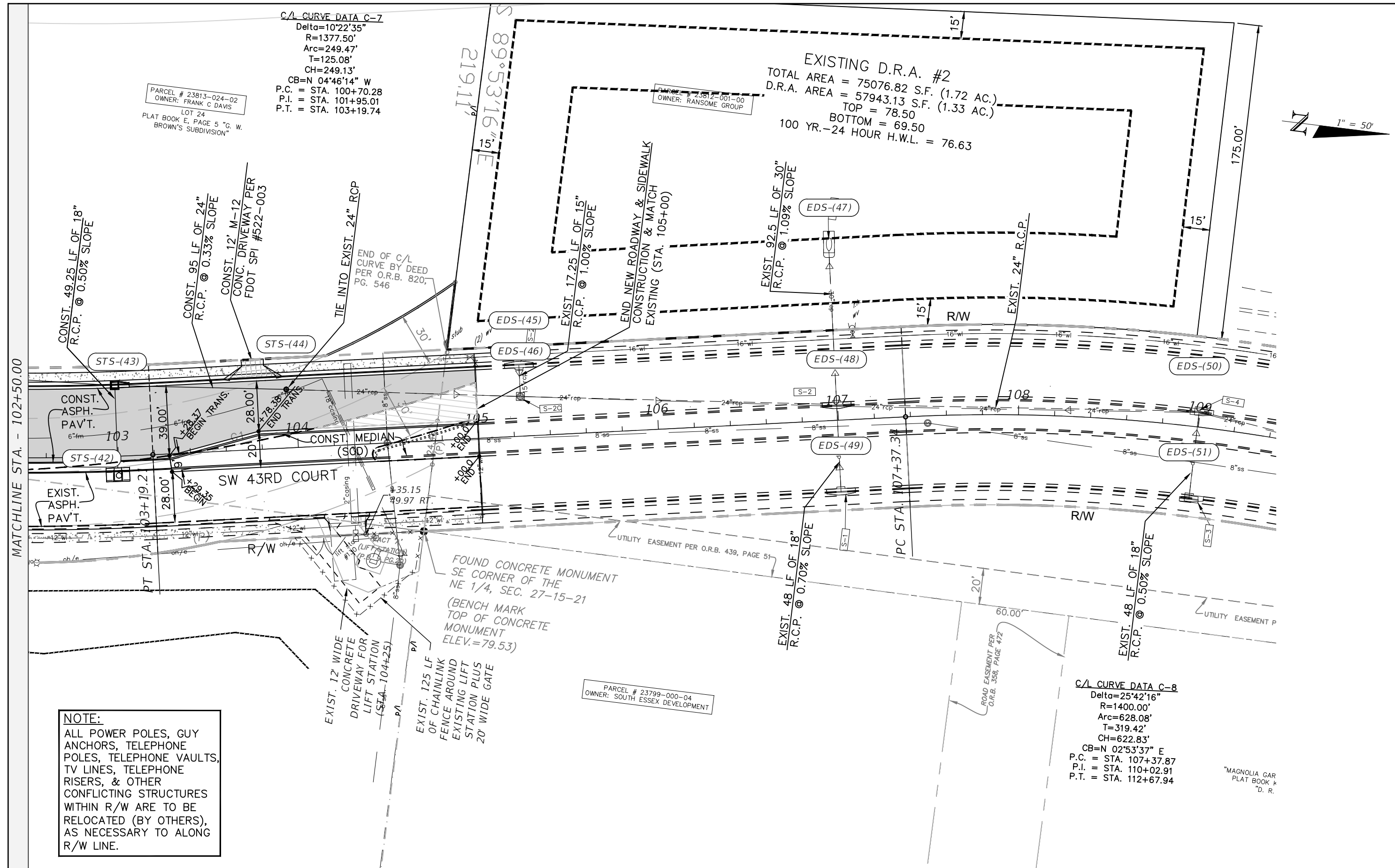
PREPARED BY

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY PLAN (7)

SHEET NO.
26



MATCHLINE STA. - 102+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

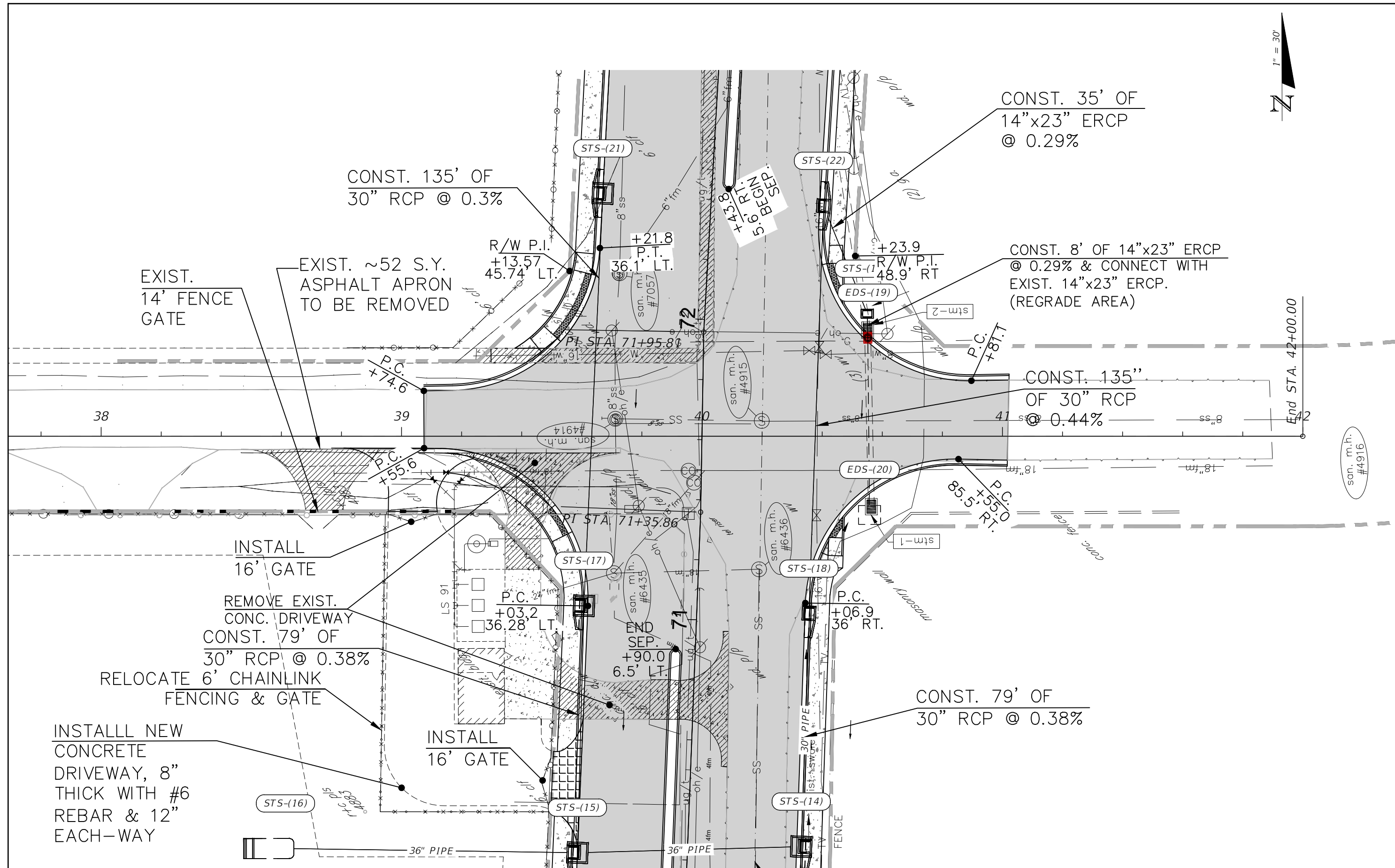
PREPARED BY

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY PLAN (8)

SHEET NO.
 27



CONST. 135' OF
30" RCP @ 0.3%

CONST. 35' OF
14"x23" ERCP
@ 0.29%

EXIST.
14' FENCE
GATE

EXIST. ~52 S.Y.
ASPHALT APRON
TO BE REMOVED

CONST. 8' OF 14"x23" ERCP
@ 0.29% & CONNECT WITH
EXIST. 14"x23" ERCP.
(REGRADE AREA)

CONST. 135"
OF 30" RCP
@ 0.44%

INSTALL
16' GATE

REMOVE EXIST.
CONC. DRIVEWAY
CONST. 79' OF
30" RCP @ 0.38%

RELOCATE 6' CHAINLINK
FENCING & GATE

INSTALL NEW
CONCRETE
DRIVEWAY, 8"
THICK WITH #6
REBAR & 12"
EACH-WAY

INSTALL
16' GATE

CONST. 79' OF
30" RCP @ 0.38%

REVISIONS	
DATE	DESCRIPTION

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

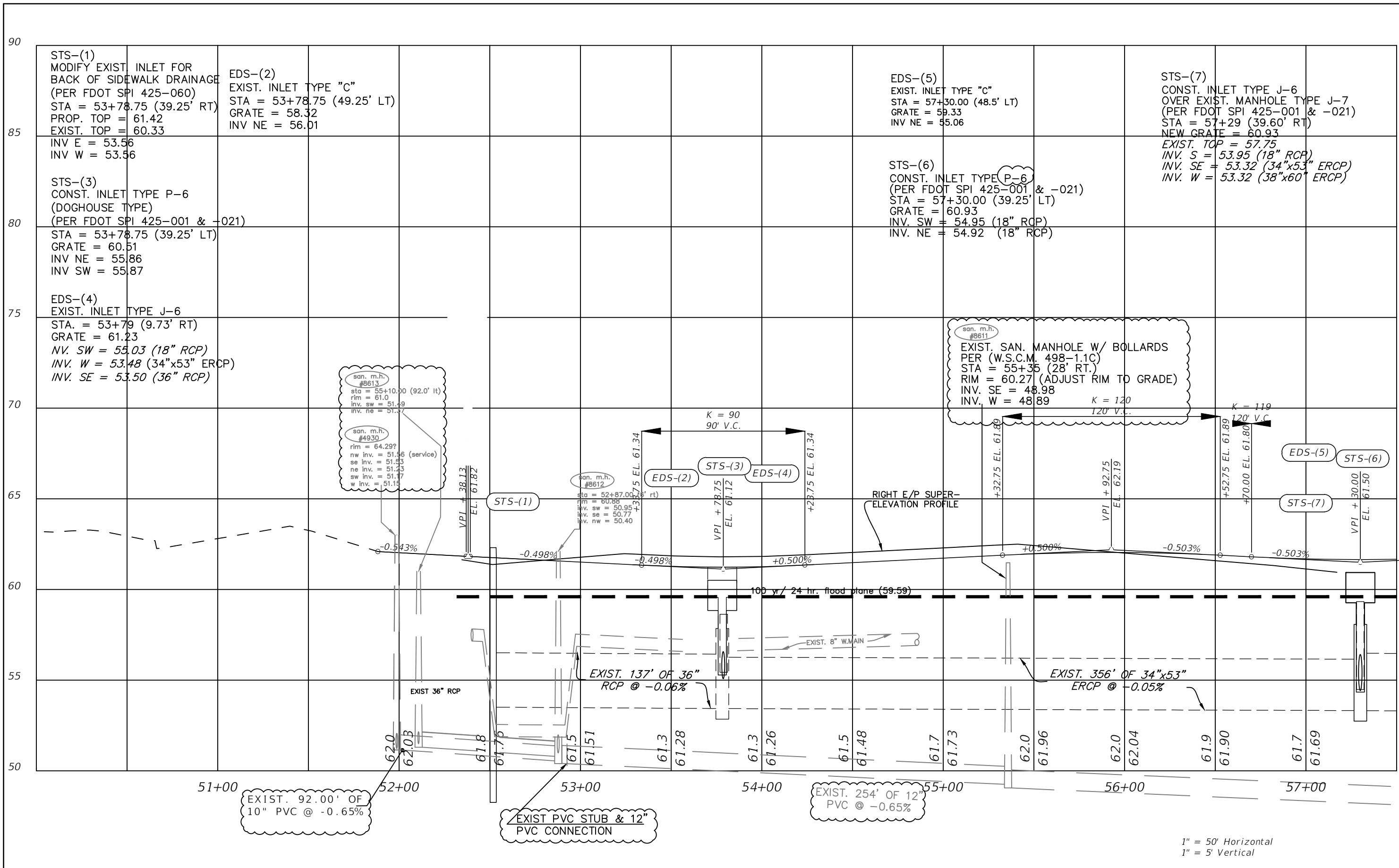
PREPARED BY

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

**INTERSECTION DETAIL - SW
43RD CT & SW 40TH ST**

SHEET NO.
28



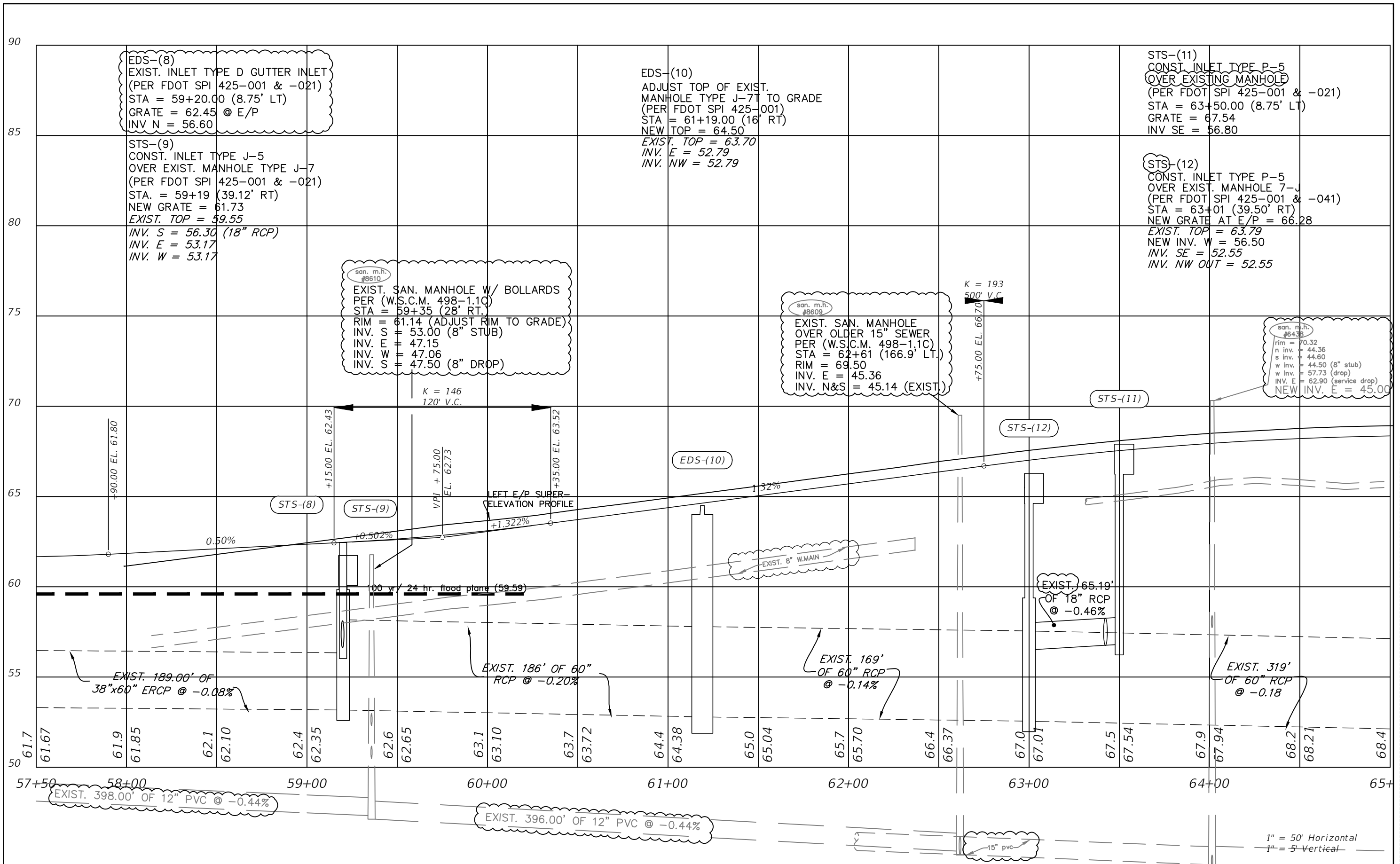
EXIST. 92.00' OF 10" PVC @ -0.65%

EXIST PVC STUB & 12" PVC CONNECTION

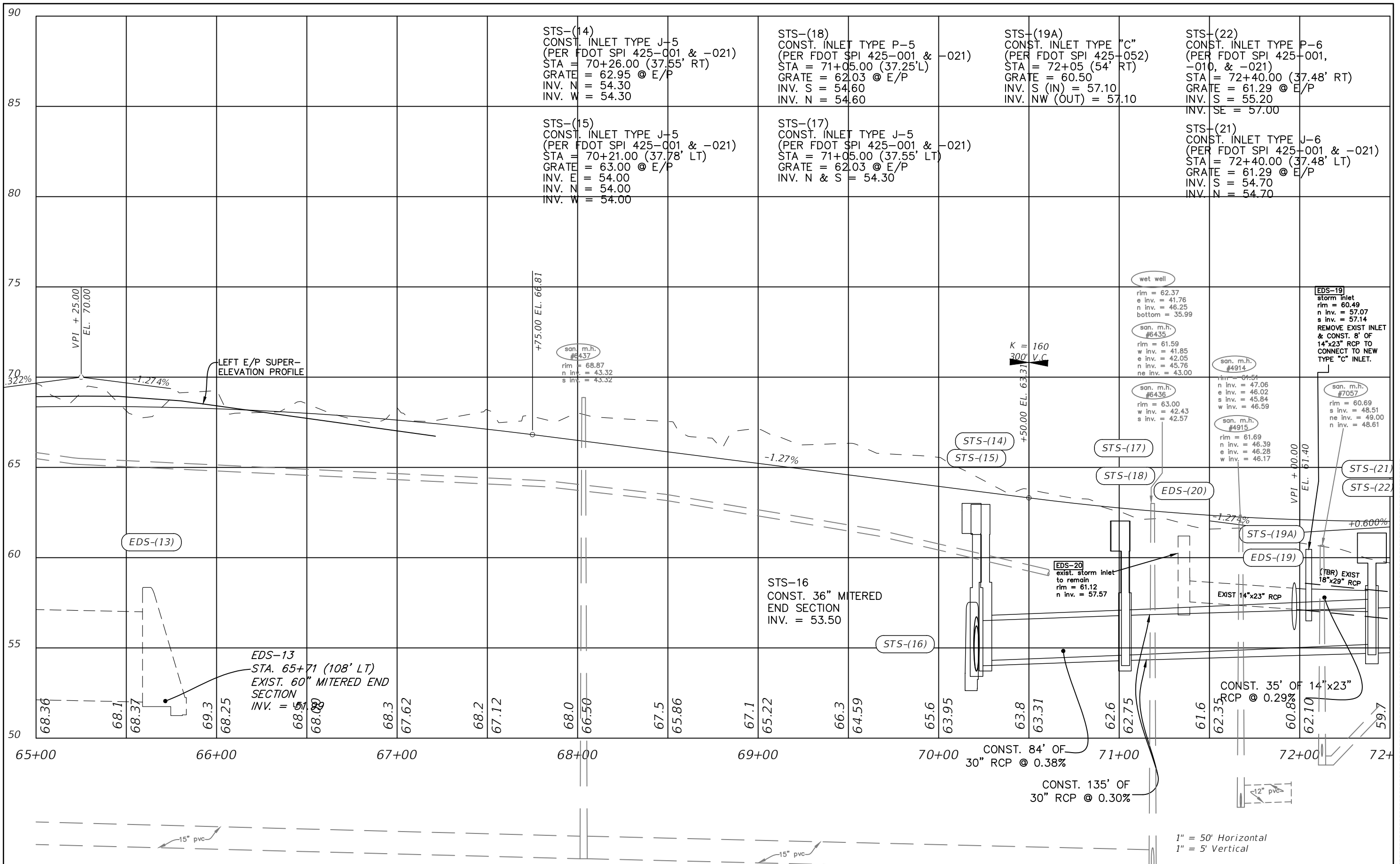
EXIST. 254' OF 12" PVC @ -0.65%

1" = 50' Horizontal
1" = 5' Vertical

REVISIONS		NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 29
DATE	DESCRIPTION				
10/26/23	ADDED EXISTING UTILITIES, REVISED EXISTING GRADE & REVISED STORM NOTE.			DRAINAGE PROFILE (1)	



REVISIONS		PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		DRAINAGE PROFILE (2)
10/26/23	ADDED EXISTING UTILITIES, REVISED EXISTING GRADE & REVISED STORM NOTE.			



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
10/26/23	ADDED EXISTING UTILITIES		

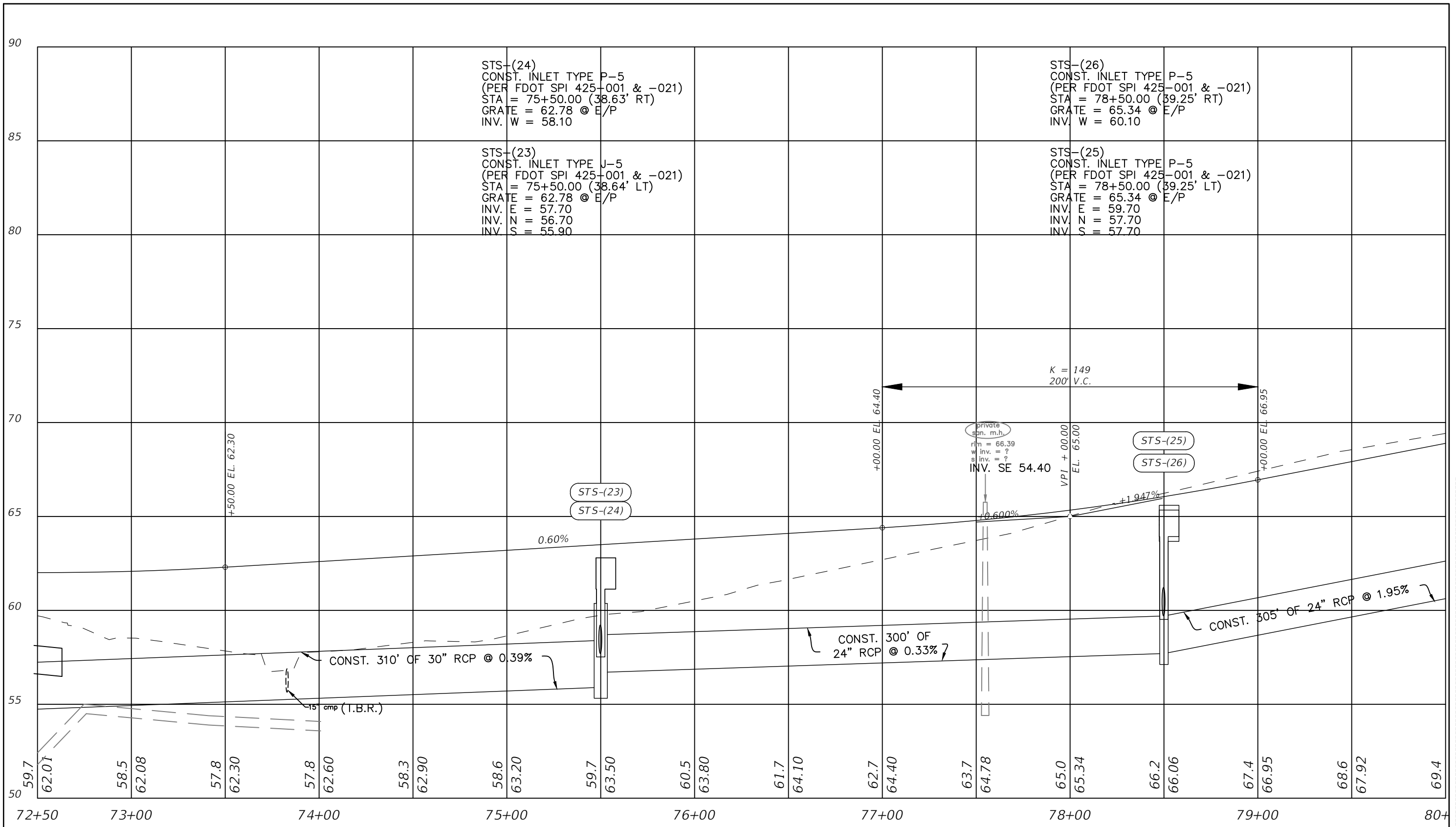
NOEL JOHN COOPER, P.E.
 P.E. LICENSE NUMBER 69534
 STATE OF FLORIDA, DATE: _____
 VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

 Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)


SHEET NO.
 31



STS-(24)
 CONST. INLET TYPE P-5
 (PER FDOT SPI 425-001 & -021)
 STA = 75+50.00 (38.63' RT)
 GRATE = 62.78 @ E/P
 INV. W = 58.10

STS-(23)
 CONST. INLET TYPE J-5
 (PER FDOT SPI 425-001 & -021)
 STA = 75+50.00 (38.64' LT)
 GRATE = 62.78 @ E/P
 INV. E = 57.70
 INV. N = 56.70
 INV. S = 55.90

STS-(26)
 CONST. INLET TYPE P-5
 (PER FDOT SPI 425-001 & -021)
 STA = 78+50.00 (39.25' RT)
 GRATE = 65.34 @ E/P
 INV. W = 60.10

STS-(25)
 CONST. INLET TYPE P-5
 (PER FDOT SPI 425-001 & -021)
 STA = 78+50.00 (39.25' LT)
 GRATE = 65.34 @ E/P
 INV. E = 59.70
 INV. N = 57.70
 INV. S = 57.70

K = 149
 200' V.C.

private
 san. m.b.
 r/n = 66.39
 w/ inv. = ?
 s/ inv. = ?
 INV. SE 54.40

STS-(25)
 STS-(26)

CONST. 310' OF 30" RCP @ 0.39%

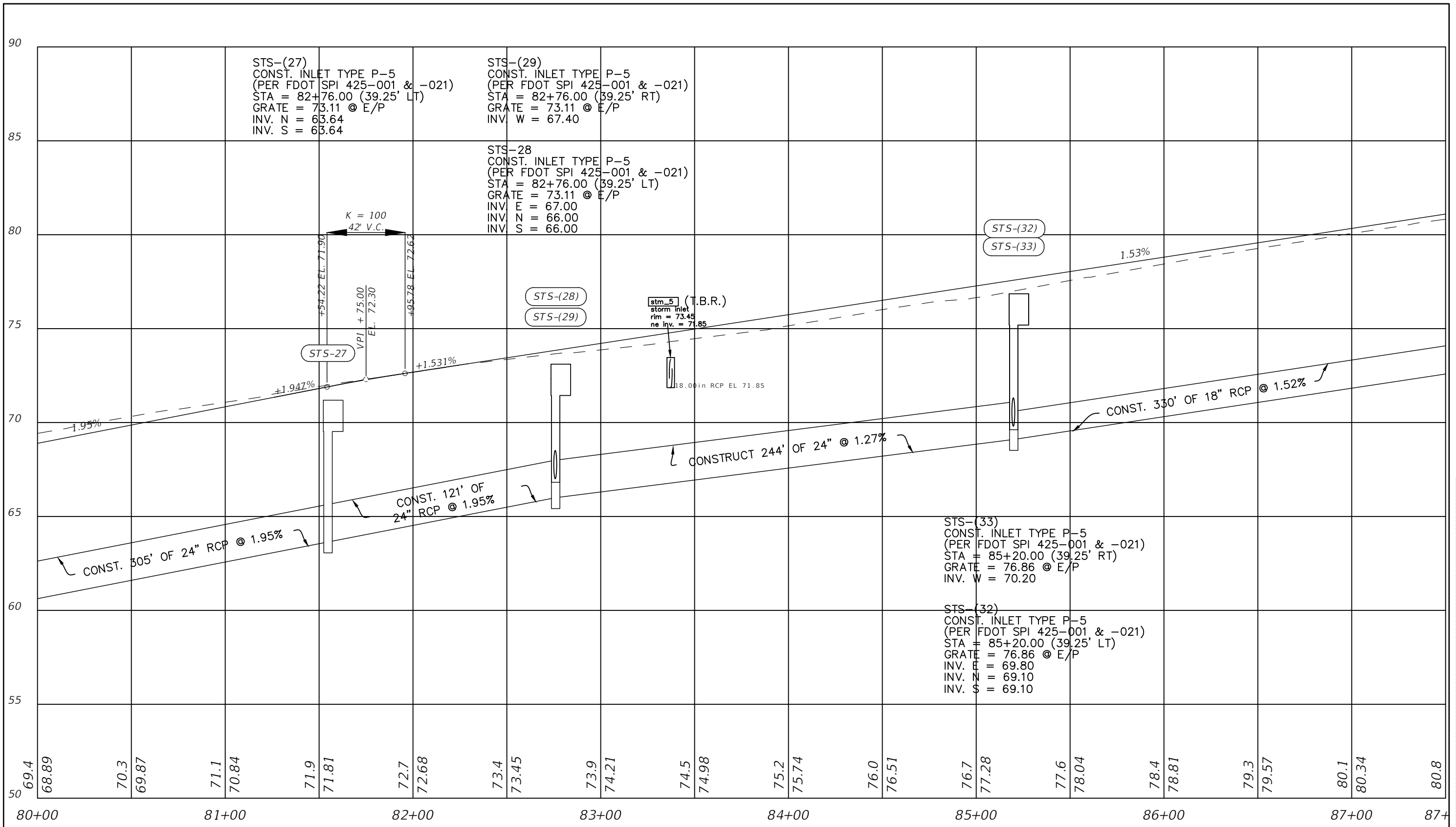
CONST. 300' OF 24" RCP @ 0.33%

CONST. 305' OF 24" RCP @ 1.95%

59.7	62.01	58.5	62.08	57.8	62.30	57.8	62.60	58.3	62.90	58.6	63.20	59.7	63.50	60.5	63.80	61.7	64.10	62.7	64.40	63.7	64.78	65.0	65.34	66.2	66.06	67.4	66.95	68.6	67.92	69.4
72+50	73+00	73+00	73+00	74+00	74+00	74+00	74+00	74+00	75+00	75+00	75+00	75+00	75+00	76+00	76+00	77+00	77+00	77+00	77+00	78+00	78+00	78+00	78+00	79+00	79+00	79+00	79+00	80+00	80+00	80+00

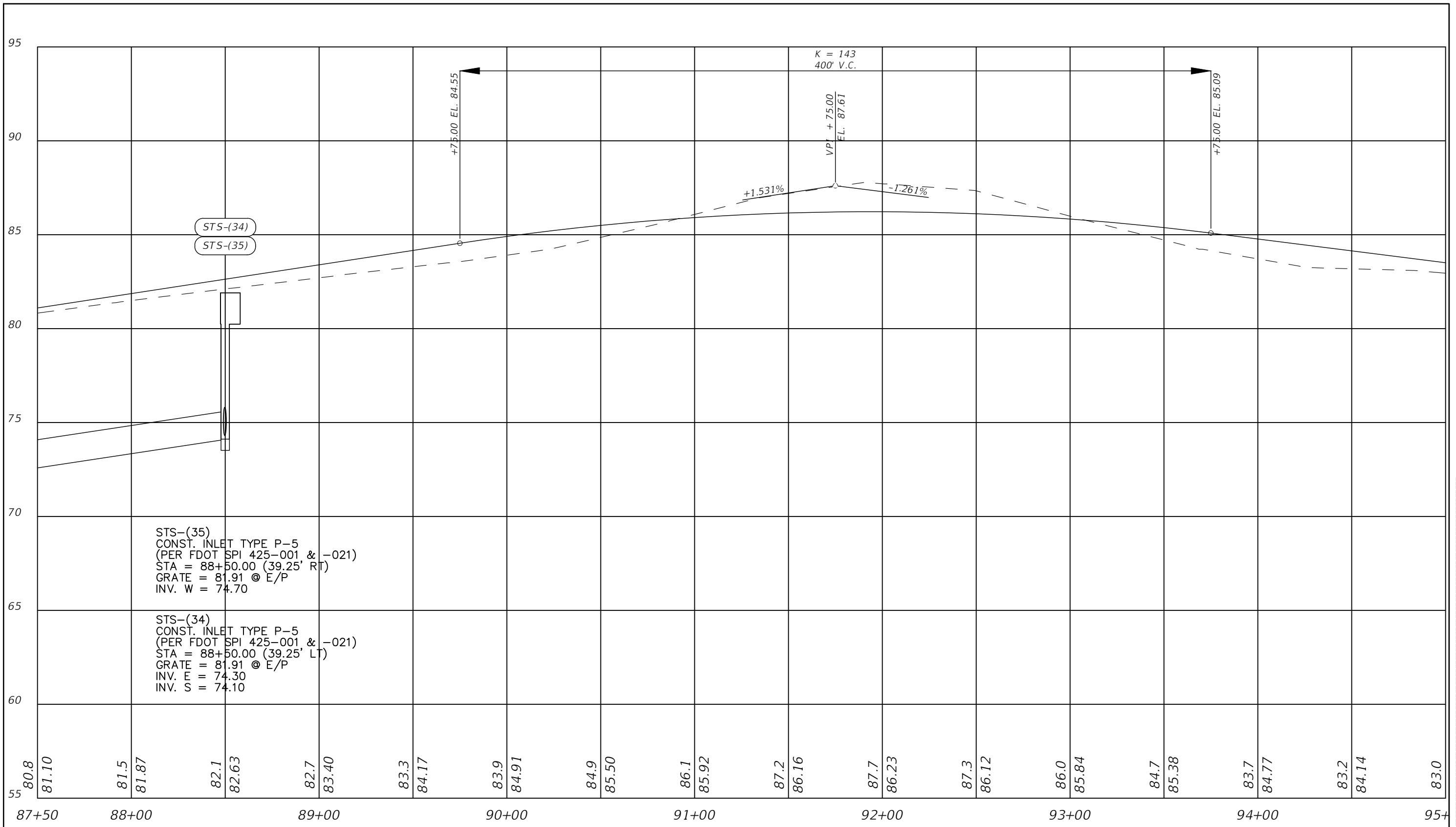
1" = 50' Horizontal
 1" = 5' Vertical

REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST) DRAINAGE PROFILE (4)	SHEET NO. 32
DATE	DESCRIPTION	DATE	DESCRIPTION				
---	---	---	---				



1" = 50' Horizontal
1" = 5' Vertical

REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. DRAINAGE PROFILE (5)
DATE	DESCRIPTION	DATE	DESCRIPTION				
							33

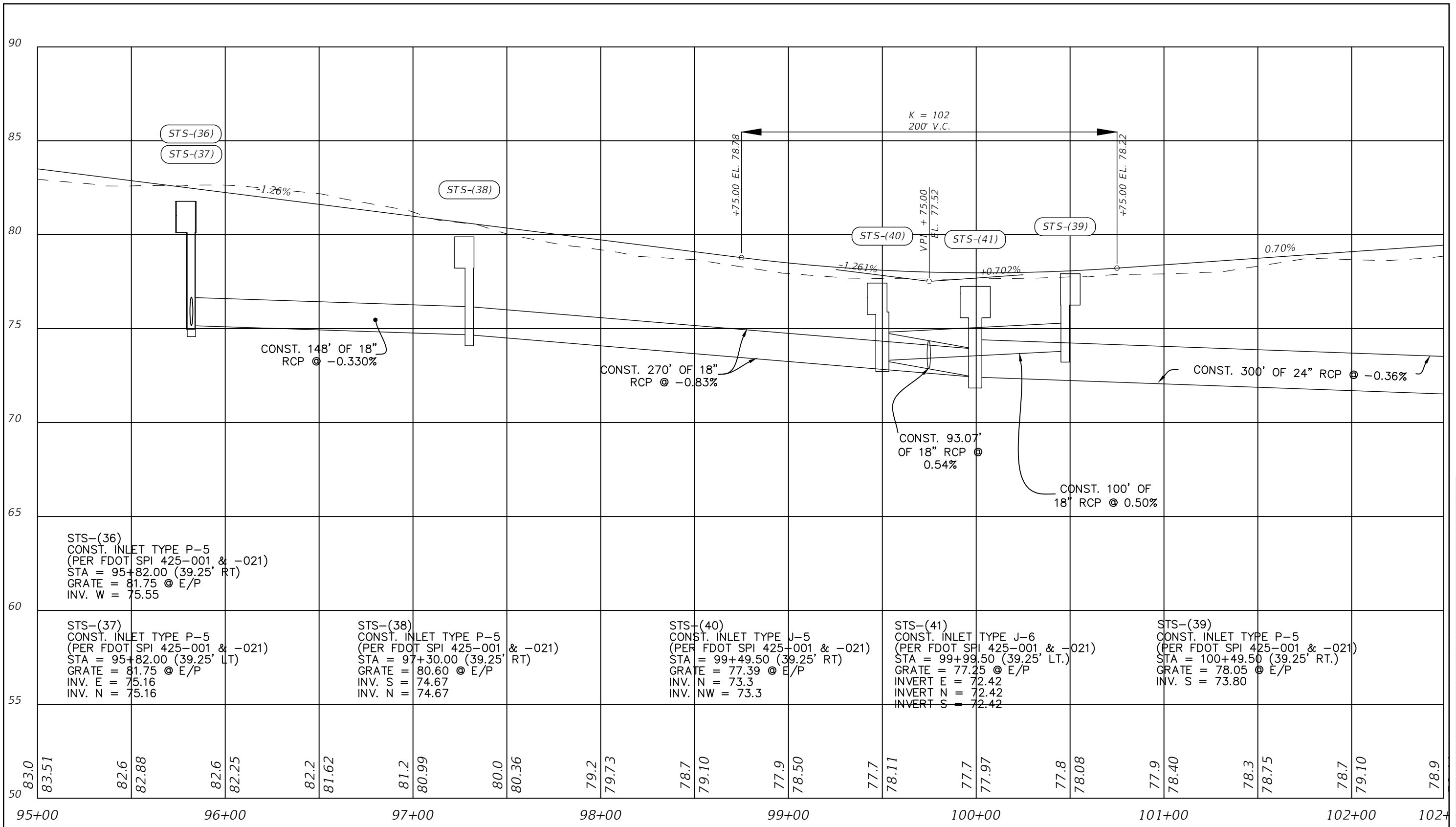


STS-(35)
 CONST. INLET TYPE P-5
 (PER FDOT SPI 425-001 & -021)
 STA = 88+50.00 (39.25' RT)
 GRATE = 81.91 @ E/P
 INV. W = 74.70

STS-(34)
 CONST. INLET TYPE P-5
 (PER FDOT SPI 425-001 & -021)
 STA = 88+50.00 (39.25' LT)
 GRATE = 81.91 @ E/P
 INV. E = 74.30
 INV. S = 74.10

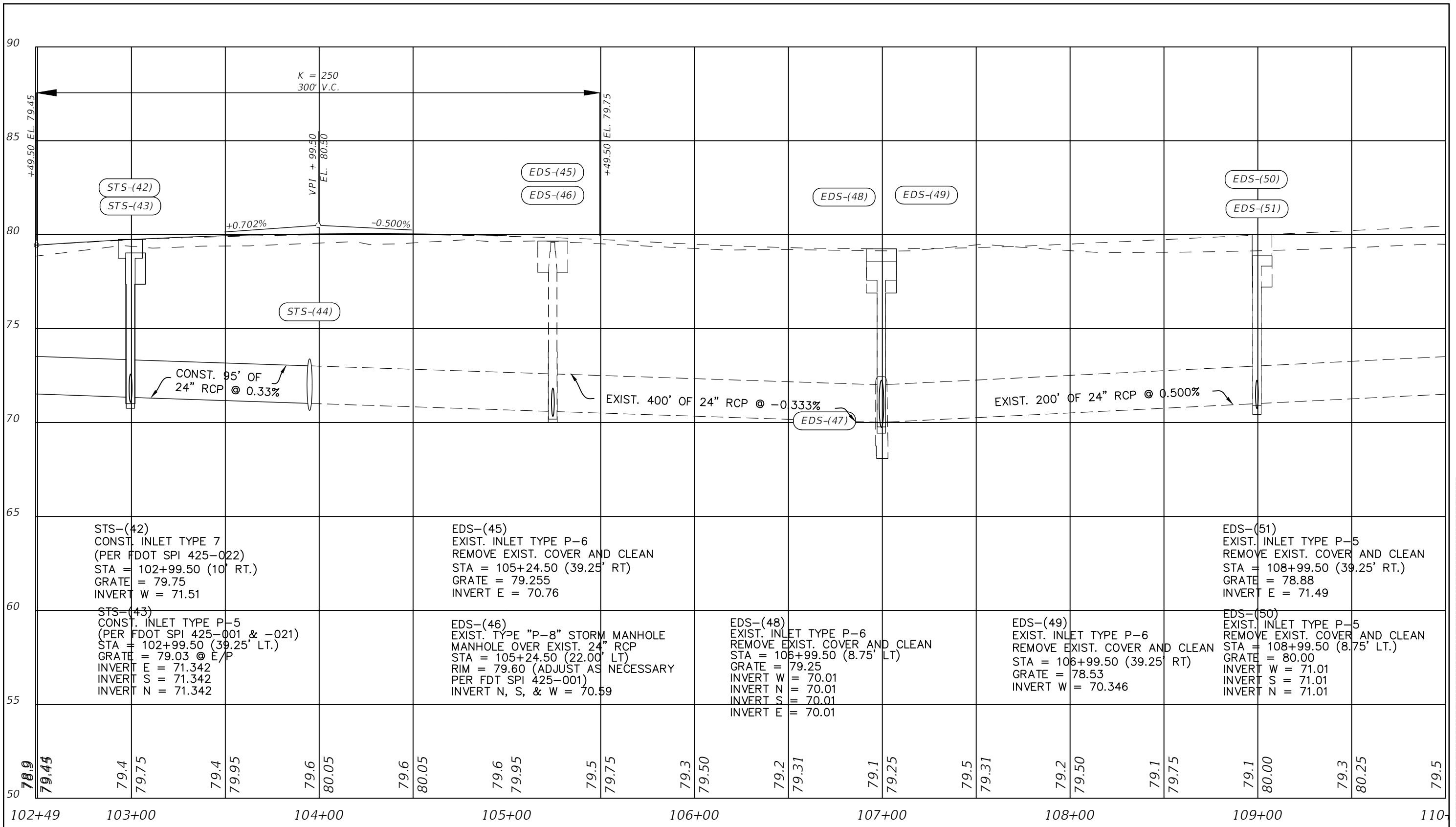
1" = 50' Horizontal
 1" = 5' Vertical

REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	DRAINAGE PROFILE (6)	SHEET NO. 34
DATE	DESCRIPTION	DATE	DESCRIPTION					



1" = 50' Horizontal
1" = 5' Vertical

REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	DRAINAGE PROFILE (7)	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION					



STS-(42)
 CONST. INLET TYPE 7
 (PER FDOT SPI 425-022)
 STA = 102+99.50 (10' RT.)
 GRATE = 79.75
 INVERT W = 71.51

STS-(43)
 CONST. INLET TYPE P-5
 (PER FDOT SPI 425-001 & -021)
 STA = 102+99.50 (39.25' LT.)
 GRATE = 79.03 @ E/P
 INVERT E = 71.342
 INVERT S = 71.342
 INVERT N = 71.342

EDS-(45)
 EXIST. INLET TYPE P-6
 REMOVE EXIST. COVER AND CLEAN
 STA = 105+24.50 (39.25' RT)
 GRATE = 79.255
 INVERT E = 70.76

EDS-(46)
 EXIST. TYPE "P-8" STORM MANHOLE
 MANHOLE OVER EXIST. 24" RCP
 STA = 105+24.50 (22.00' LT)
 RIM = 79.60 (ADJUST AS NECESSARY
 PER FDT SPI 425-001)
 INVERT N, S, & W = 70.59

EDS-(48)
 EXIST. INLET TYPE P-6
 REMOVE EXIST. COVER AND CLEAN
 STA = 106+99.50 (8.75' LT)
 GRATE = 79.25
 INVERT W = 70.01
 INVERT N = 70.01
 INVERT S = 70.01
 INVERT E = 70.01

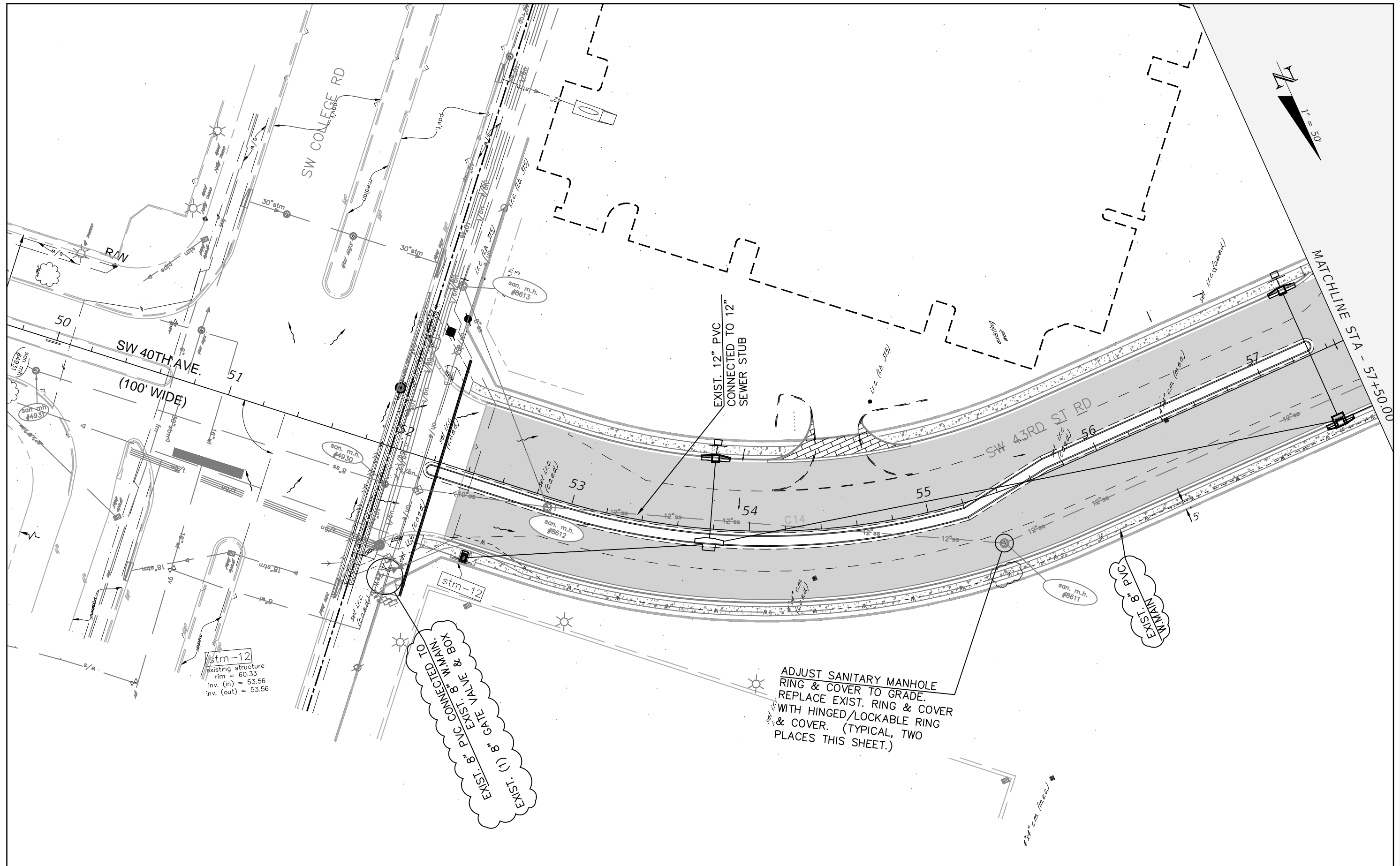
EDS-(49)
 EXIST. INLET TYPE P-6
 REMOVE EXIST. COVER AND CLEAN
 STA = 106+99.50 (39.25' RT)
 GRATE = 78.53
 INVERT W = 70.346

EDS-(51)
 EXIST. INLET TYPE P-5
 REMOVE EXIST. COVER AND CLEAN
 STA = 108+99.50 (39.25' RT.)
 GRATE = 78.88
 INVERT E = 71.49

EDS-(50)
 EXIST. INLET TYPE P-5
 REMOVE EXIST. COVER AND CLEAN
 STA = 108+99.50 (8.75' LT.)
 GRATE = 80.00
 INVERT W = 71.01
 INVERT S = 71.01
 INVERT N = 71.01

1" = 50' Horizontal
 1" = 5' Vertical

REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. (8)
DATE	DESCRIPTION	DATE	DESCRIPTION				
							36



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
10/26/23	REVISED WATER LINE TO SHOW EXISTING		

HECTOR A. COLON, P.E.
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

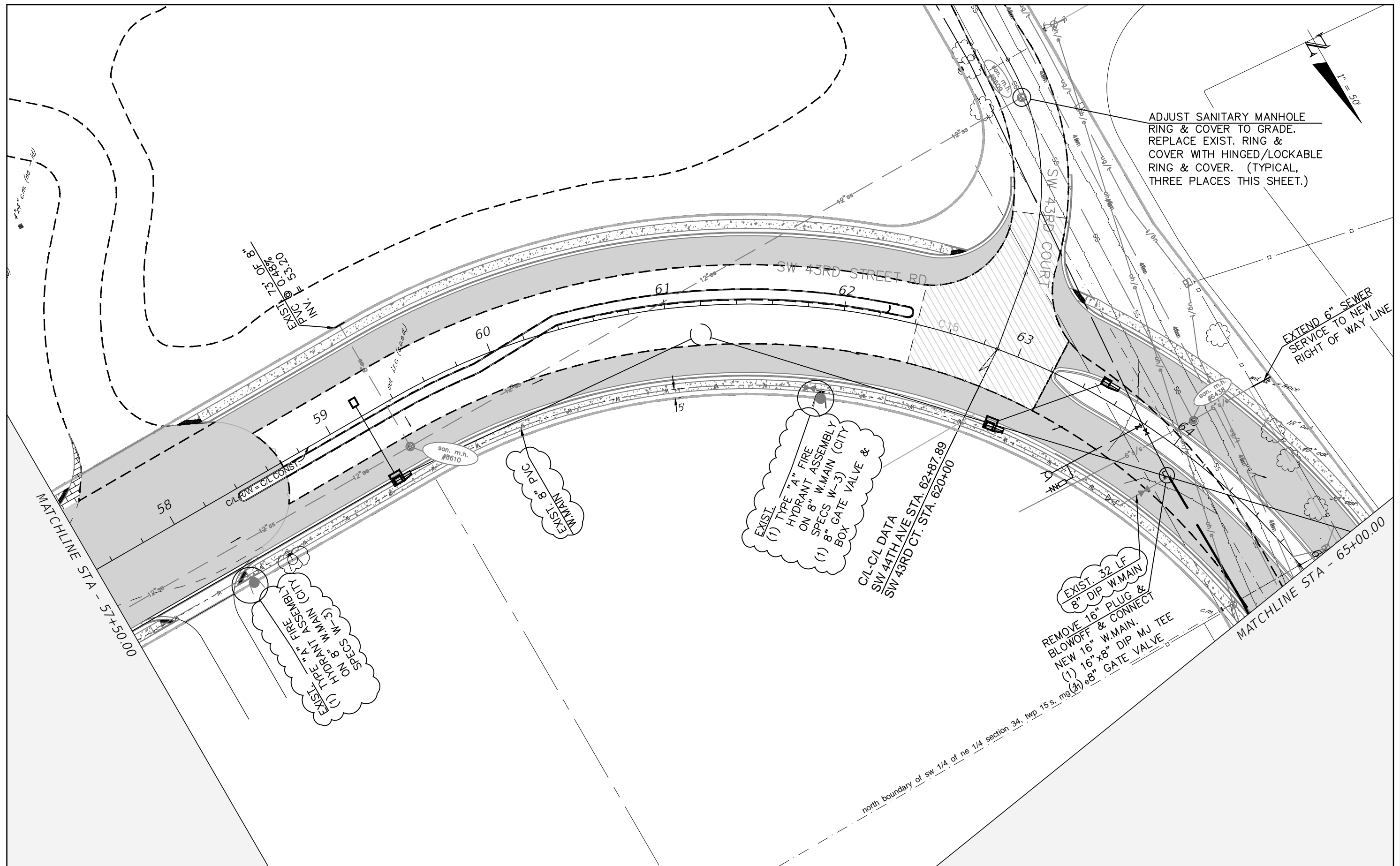
PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

UTILITY PLAN (1)

SHEET NO.
37



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
10/26/23	REVISED WATER LINE TO SHOW EXISTING		

HECTOR A. COLON, P.E.
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

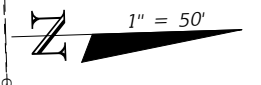
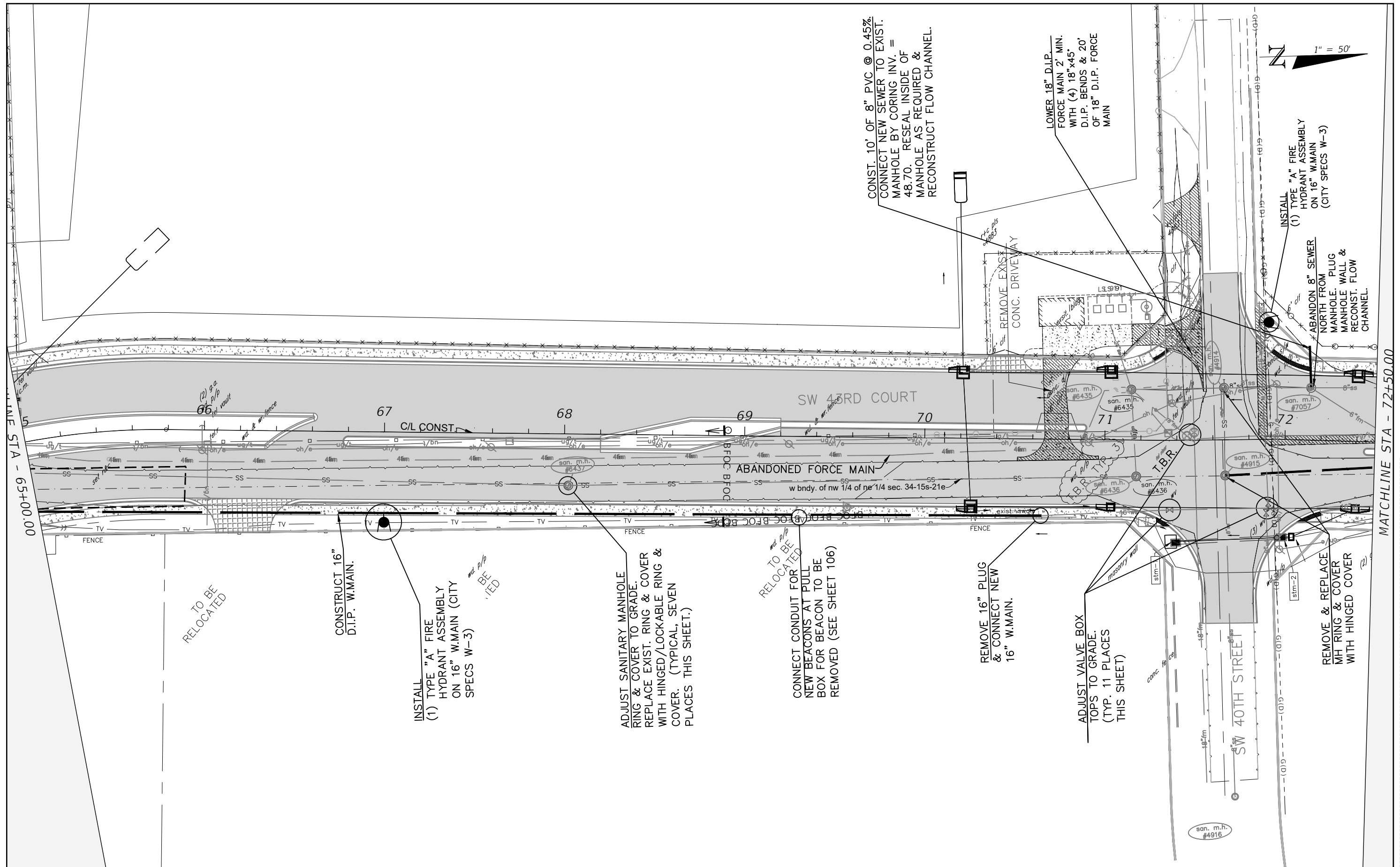
PREPARED BY

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

UTILITY PLAN (2)

SHEET NO.
38



REVISIONS			
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

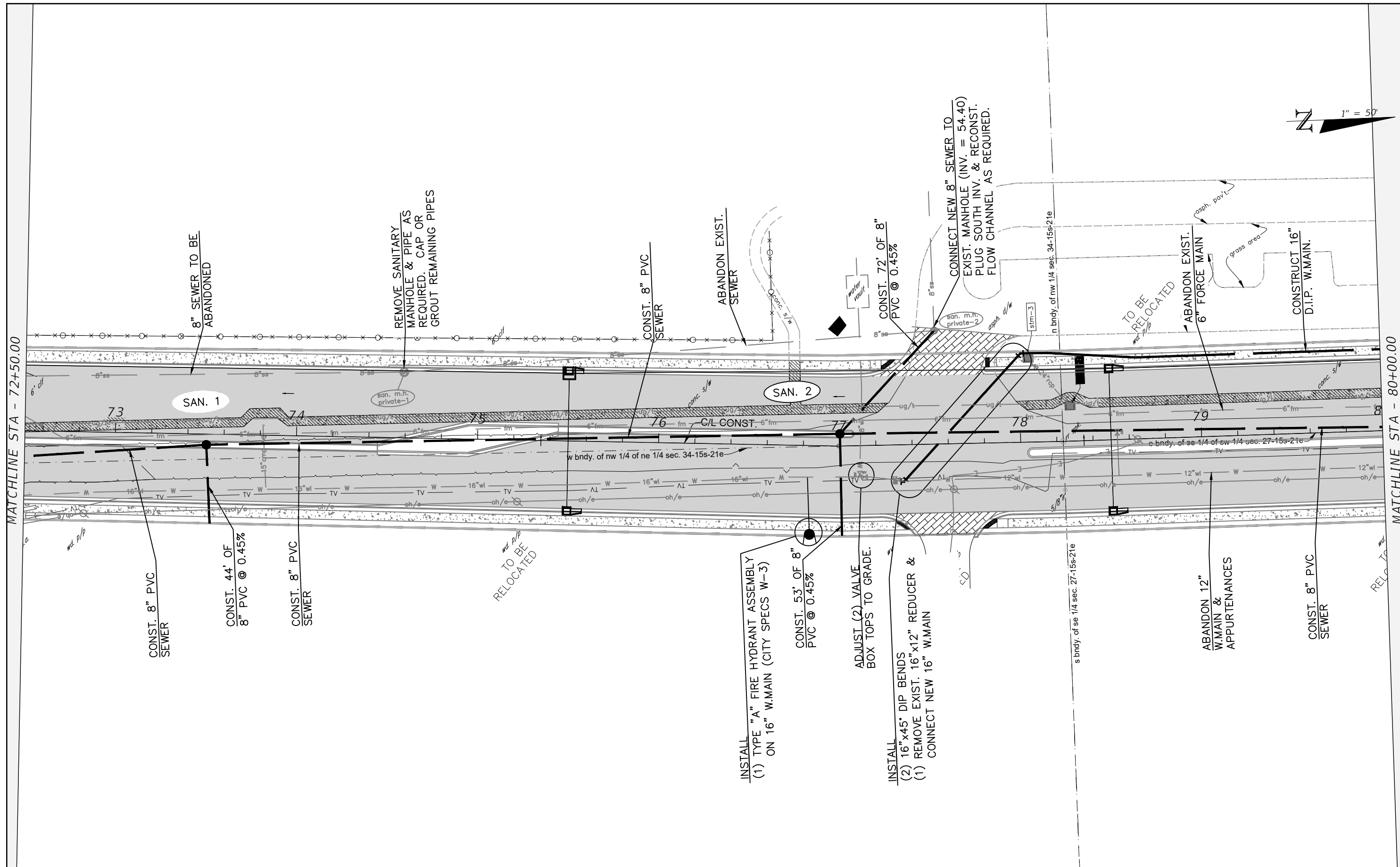
PREPARED BY

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

UTILITY PLAN (3)

SHEET NO.
 39



REVISIONS			
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

PREPARED BY

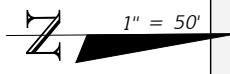
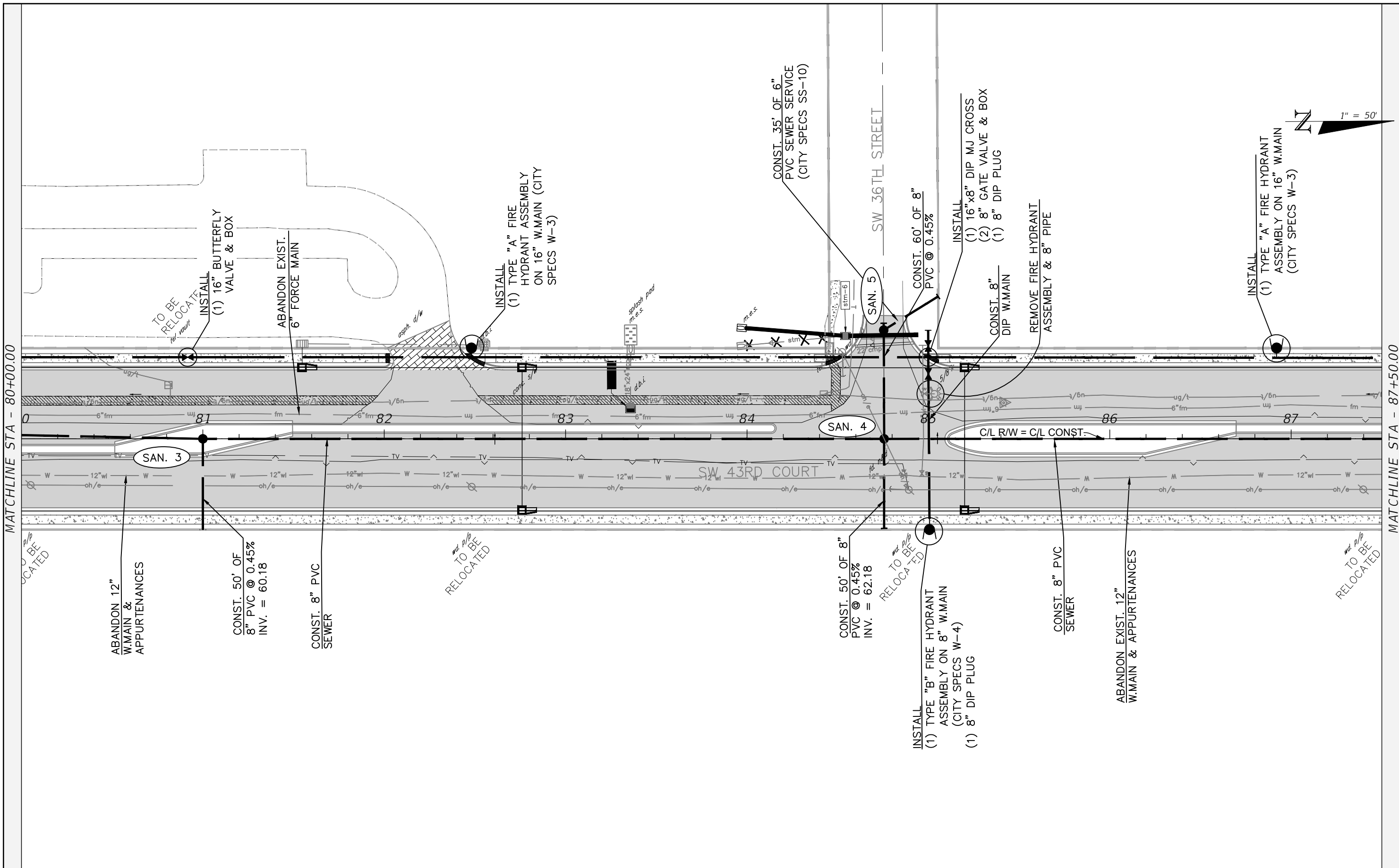
OCALA
 CITY ENGINEER'S OFFICE

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

UTILITY PLAN (4)

SHEET NO.

40



MATCHLINE STA - 80+00.00

MATCHLINE STA - 87+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

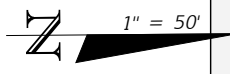
HECTOR A. COLON, P.E.
 P.E. LICENSE NUMBER 84007
 CITY OF OCALA, FLORIDA
 1805 NE 30TH AVENUE
 OCALA, FLORIDA 34470

PREPARED BY

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

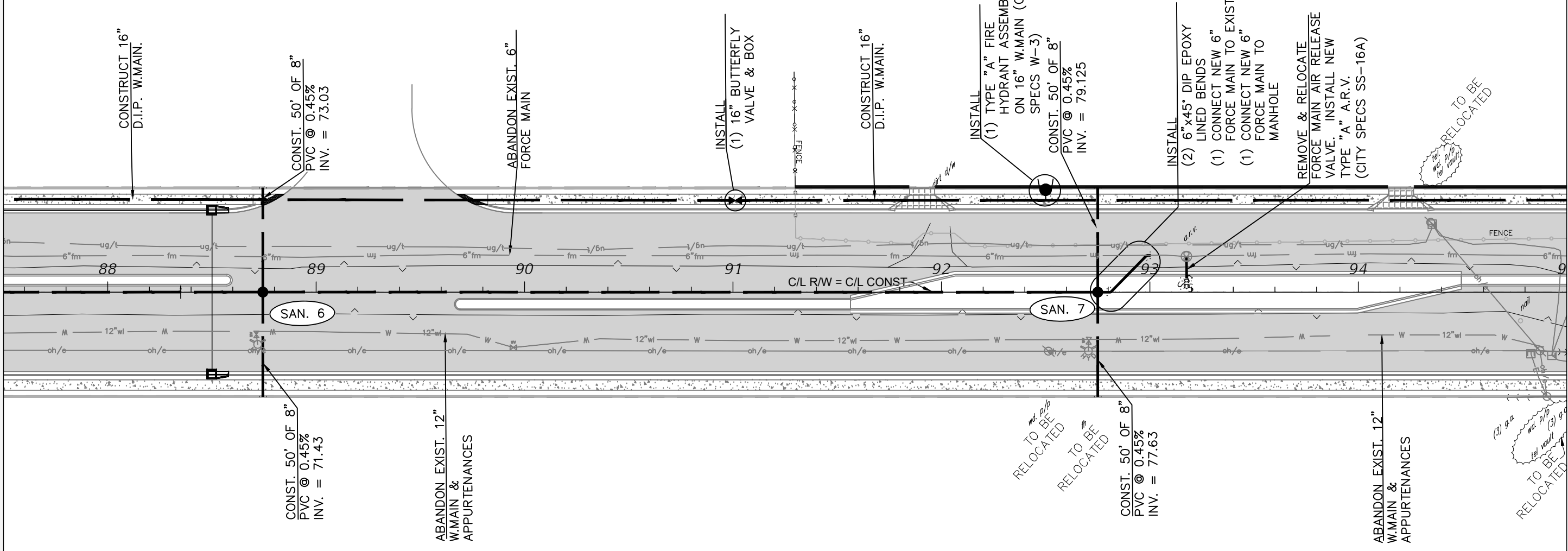
UTILITY PLAN (5)

SHEET NO.
 41



MATCHLINE STA - 87+50.00

MATCHLINE STA - 95+00.00



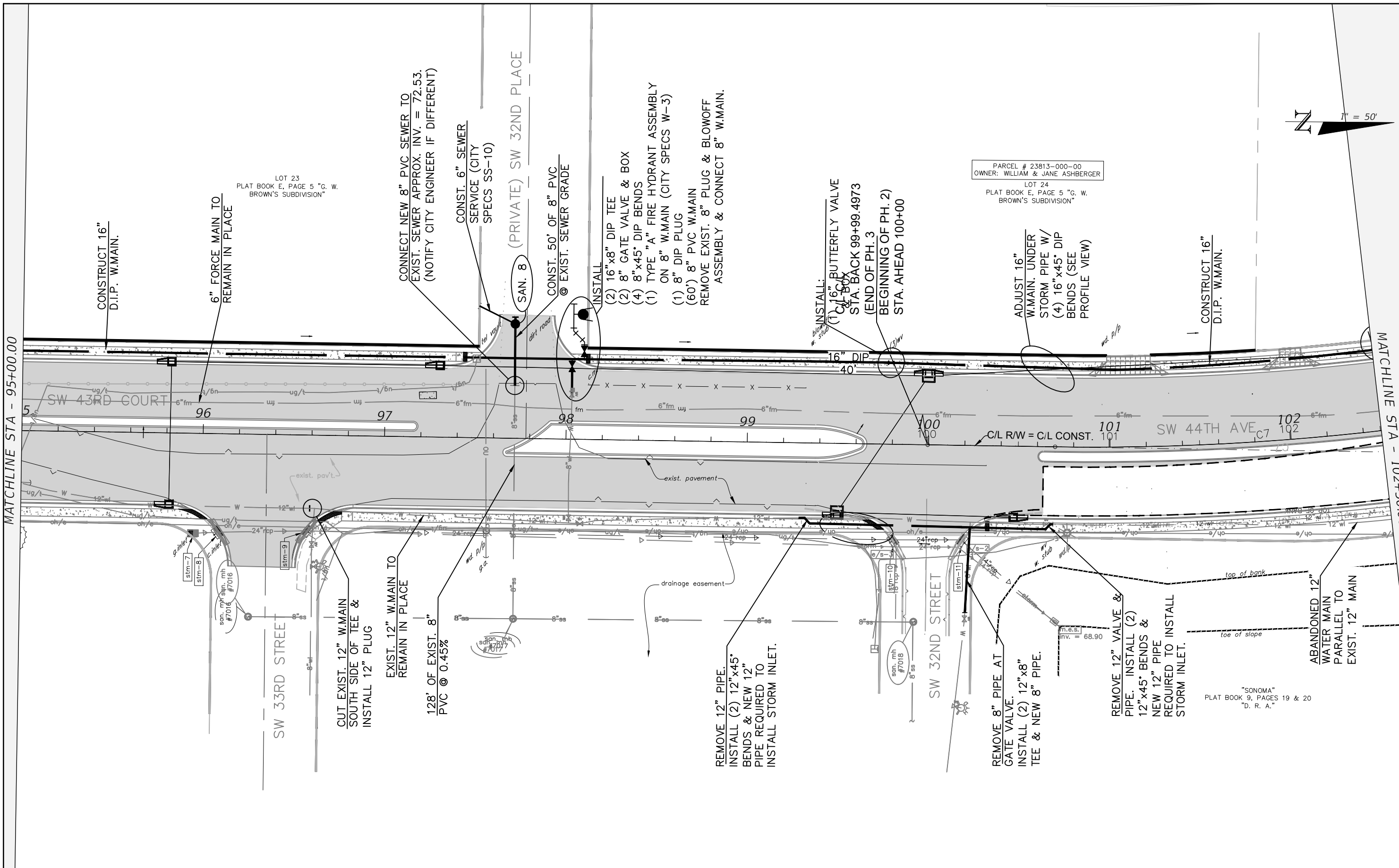
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, P.E.
 P.E. LICENSE NUMBER 84007
 CITY OF OCALA, FLORIDA
 1805 NE 30TH AVENUE
 OCALA, FLORIDA 34470

PREPARED BY

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)
UTILITY PLAN (6)

SHEET NO.
 42



REVISIONS			
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

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

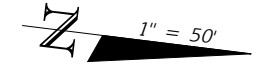
UTILITY PLAN (7)

SHEET NO.
43

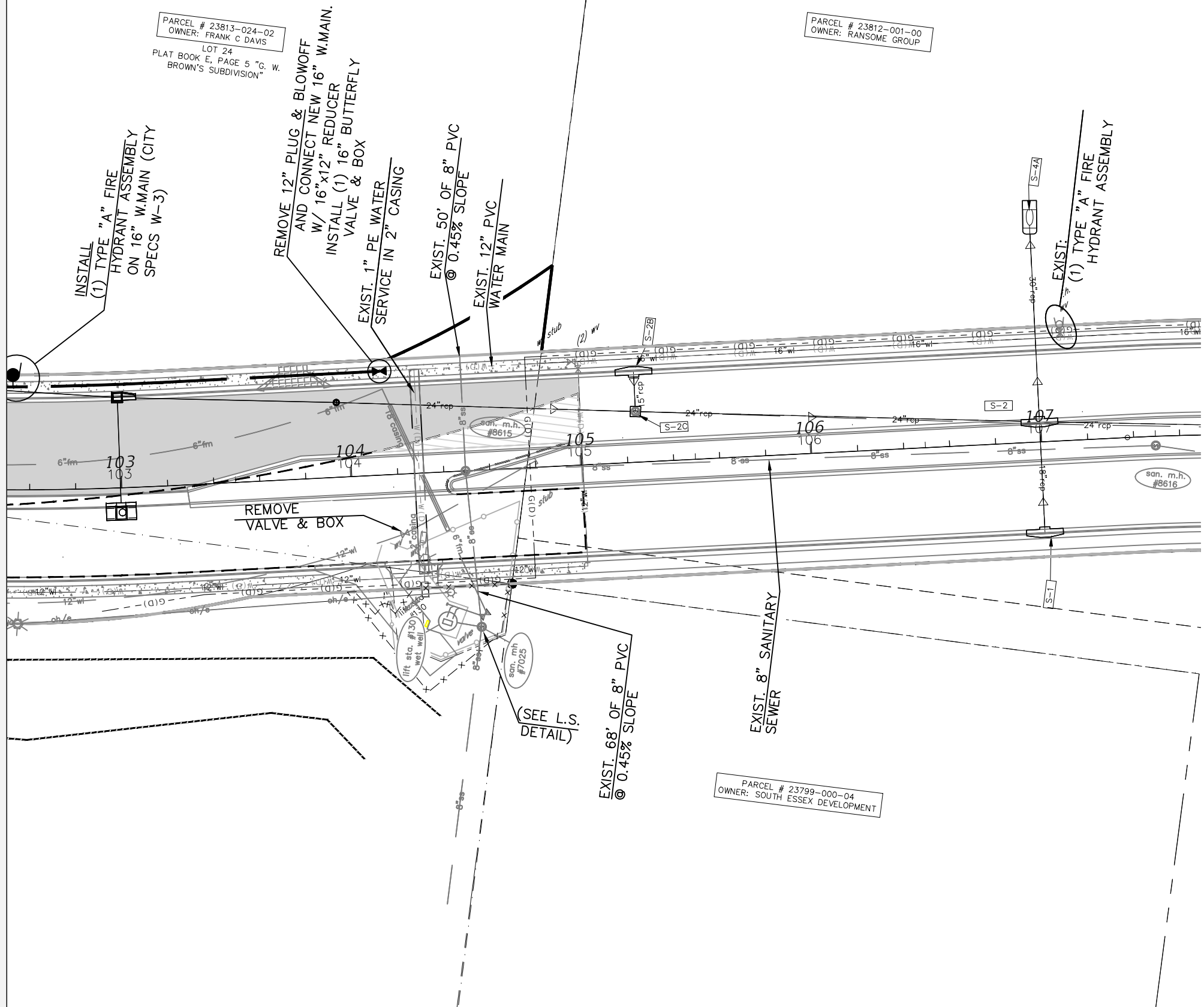
PARCEL # 23813-024-02
OWNER: FRANK C DAVIS
LOT 24
PLAT BOOK E, PAGE 5 "G. W. BROWN'S SUBDIVISION"

PARCEL # 23812-001-00
OWNER: RANSOME GROUP

PARCEL # 23799-000-04
OWNER: SOUTH ESSEX DEVELOPMENT



MATCHLINE STA - 102+50.00



REVISIONS			
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

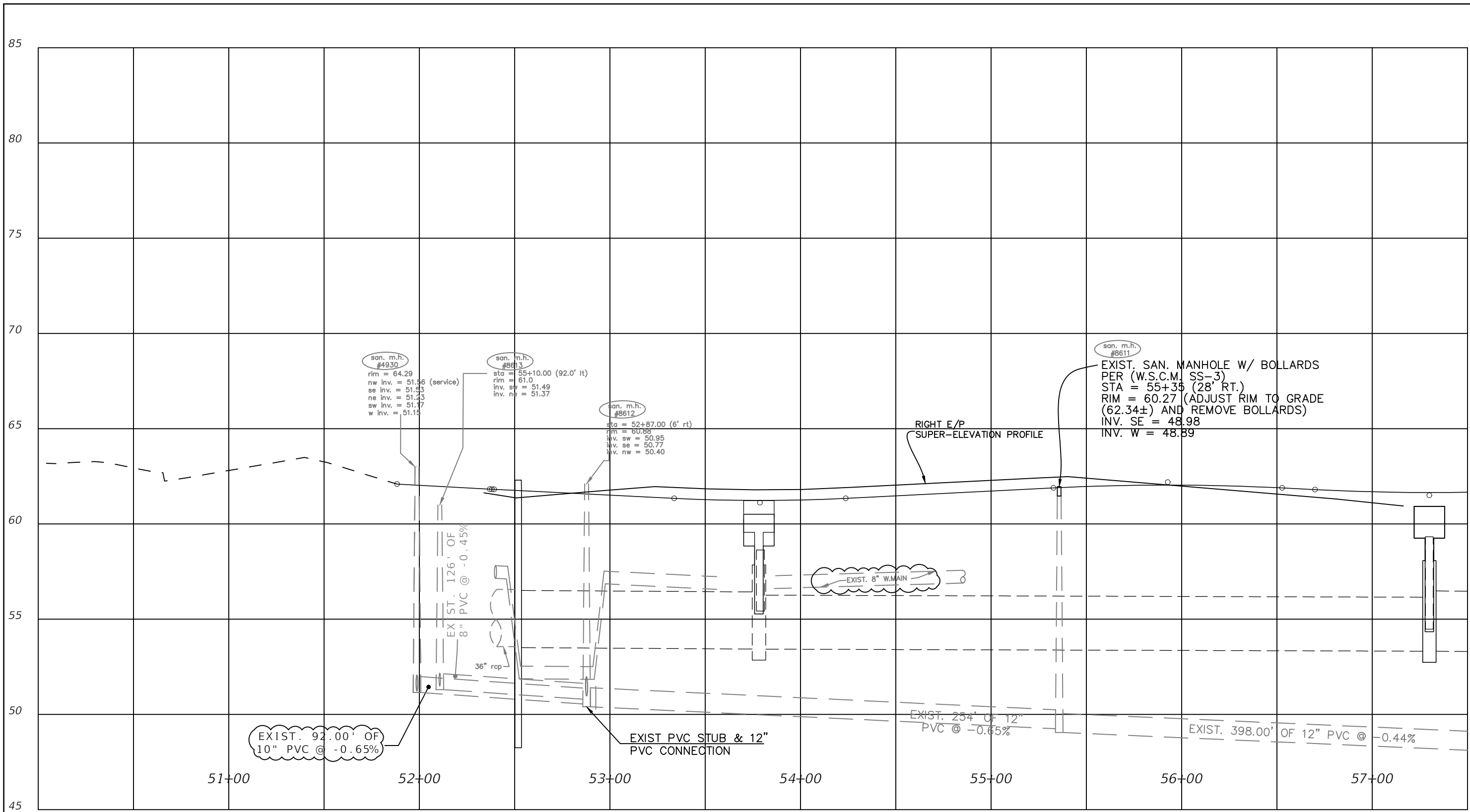
PREPARED BY

Gary Anson

SW 44th AVENUE

UTILITY PLAN (8)

SHEET NO.
44



1" = 50' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
10/26/23	ADDED EXISTING UTILITIES & REVISED GRADE		

HECTOR A. COLON, P.E.
 P.E. LICENSE NUMBER 84007
 CITY OF OCALA, FLORIDA
 1805 NE 30TH AVENUE
 OCALA, FLORIDA 34470

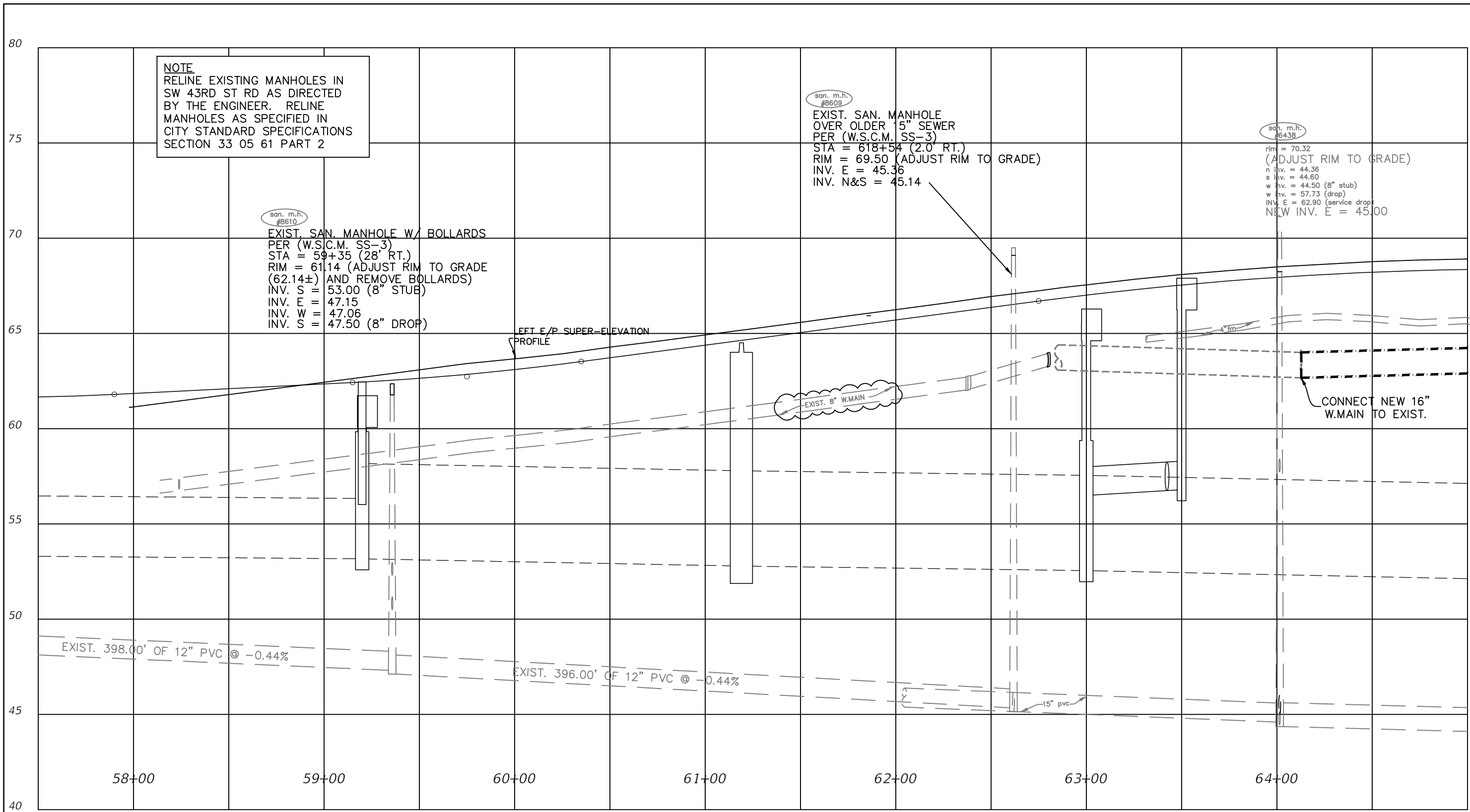
PREPARED BY

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

UTILITY PROFILE (1)

SHEET NO.
 45



NOTE
 RELINE EXISTING MANHOLES IN SW 43RD ST RD AS DIRECTED BY THE ENGINEER. RELINE MANHOLES AS SPECIFIED IN CITY STANDARD SPECIFICATIONS SECTION 33 05 61 PART 2

san. m.h. #8610
 EXIST. SAN. MANHOLE W/ BOLLARDS
 PER (W.S.C.M. SS-3)
 STA = 59+35 (28' RT.)
 RIM = 61.14 (ADJUST RIM TO GRADE (62.14±) AND REMOVE BOLLARDS)
 INV. S = 53.00 (8" STUB)
 INV. E = 47.15
 INV. W = 47.06
 INV. S = 47.50 (8" DROP)

san. m.h. #8609
 EXIST. SAN. MANHOLE OVER OLDER 5" SEWER PER (W.S.C.M. SS-3)
 STA = 618+54 (2.0' RT.)
 RIM = 69.50 (ADJUST RIM TO GRADE)
 INV. E = 45.36
 INV. N&S = 45.14

san. m.h. #6438
 rim = 70.32 (ADJUST RIM TO GRADE)
 n inv. = 44.36
 s inv. = 44.60
 w inv. = 44.50 (8" stub)
 w inv. = 57.73 (drop)
 INV. E = 62.90 (service drop)
 NEW INV. E = 45.00

EFT E/P SUPER-ELEVATION PROFILE

EXIST. 8" W.MAIN

CONNECT NEW 16" W.MAIN TO EXIST.

EXIST. 398.00' OF 12" PVC @ -0.44%

EXIST. 396.00' OF 12" PVC @ -0.44%

15" pvc

1" = 50' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
10/26/23	ADDED EXISTING UTILITIES & REVISED GRADE		

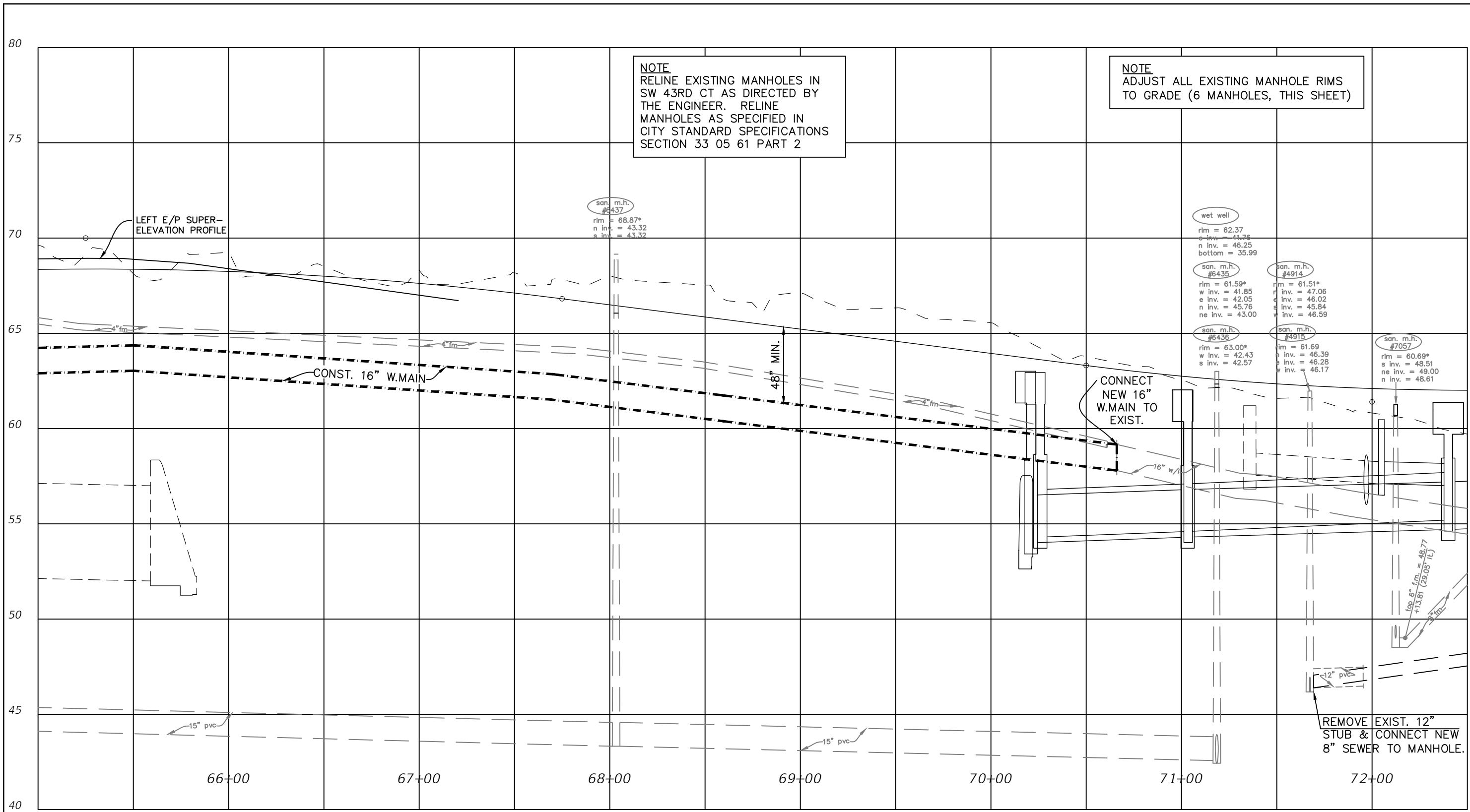
HECTOR A. COLON, P.E.
 P.E. LICENSE NUMBER 84007
 CITY OF OCALA, FLORIDA
 1805 NE 30TH AVENUE
 OCALA, FLORIDA 34470

PREPARED BY

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

UTILITY PROFILE (2)

SHEET NO.
 46



NOTE
 RELINE EXISTING MANHOLES IN SW 43RD CT AS DIRECTED BY THE ENGINEER. RELINE MANHOLES AS SPECIFIED IN CITY STANDARD SPECIFICATIONS SECTION 33 05 61 PART 2

NOTE
 ADJUST ALL EXISTING MANHOLE RIMS TO GRADE (6 MANHOLES, THIS SHEET)

san. m.h. #6437
 rim = 68.87*
 n inv. = 43.32
 s inv. = 43.32

wet well
 rim = 62.37
 e inv. = 41.76
 n inv. = 46.25
 bottom = 35.99

san. m.h. #6435
 rim = 61.59*
 w inv. = 41.85
 e inv. = 42.05
 n inv. = 45.76
 ne inv. = 43.00

san. m.h. #4914
 rim = 61.51*
 r inv. = 47.06
 e inv. = 46.02
 s inv. = 45.84
 w inv. = 46.59

san. m.h. #6436
 rim = 63.00*
 w inv. = 42.43
 s inv. = 42.57

san. m.h. #4915
 rim = 61.69
 h inv. = 46.39
 e inv. = 46.28
 w inv. = 46.17

san. m.h. #7057
 rim = 60.69*
 s inv. = 48.51
 ne inv. = 49.00
 n inv. = 48.61

top 6" f.m. = 48.77
 +13.81 (28.05' I.L.)
 3' f.m.

REMOVE EXIST. 12" STUB & CONNECT NEW 8" SEWER TO MANHOLE.

1" = 50' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

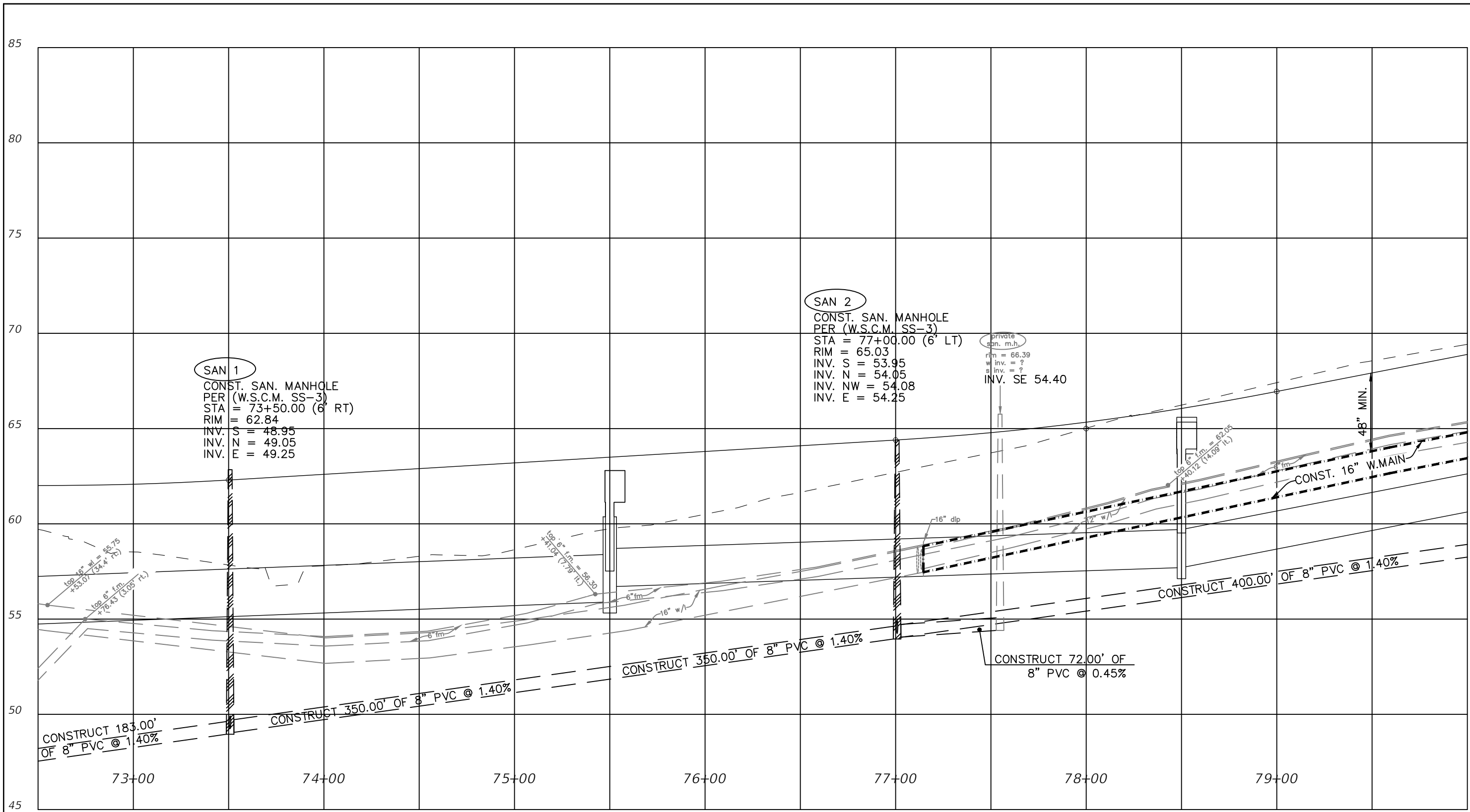
HECTOR A. COLON, P.E.
 P.E. LICENSE NUMBER 84007
 CITY OF OCALA, FLORIDA
 1805 NE 30TH AVENUE
 OCALA, FLORIDA 34470

PREPARED BY

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

UTILITY PROFILE (3)

SHEET NO.
 47



SAN 1
 CONST. SAN. MANHOLE
 PER (W.S.C.M. SS-3)
 STA = 73+50.00 (6' RT)
 RIM = 62.84
 INV. S = 48.95
 INV. N = 49.05
 INV. E = 49.25

SAN 2
 CONST. SAN. MANHOLE
 PER (W.S.C.M. SS-3)
 STA = 77+00.00 (6' LT)
 RIM = 65.03
 INV. S = 53.95
 INV. N = 54.05
 INV. NW = 54.08
 INV. E = 54.25

private
 san. m.h.
 rim = 66.39
 w inv. = ?
 s inv. = ?
 INV. SE 54.40

1" = 50' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

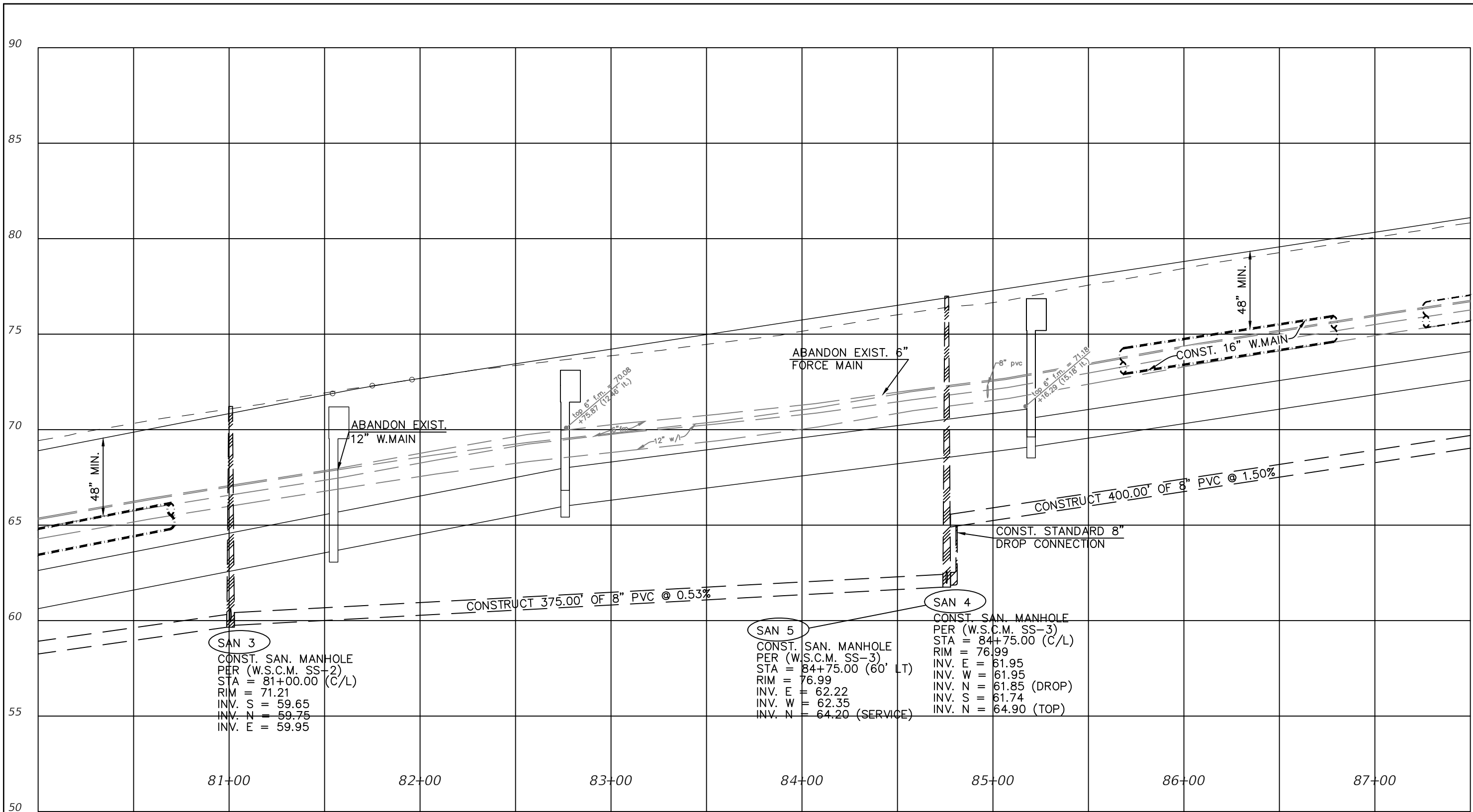
HECTOR A. COLON, P.E.
 P.E. LICENSE NUMBER 84007
 CITY OF OCALA, FLORIDA
 1805 NE 30TH AVENUE
 OCALA, FLORIDA 34470

PREPARED BY

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

UTILITY PROFILE (4)

SHEET NO.
 48



1" = 50' Horizontal
1" = 5' Vertical

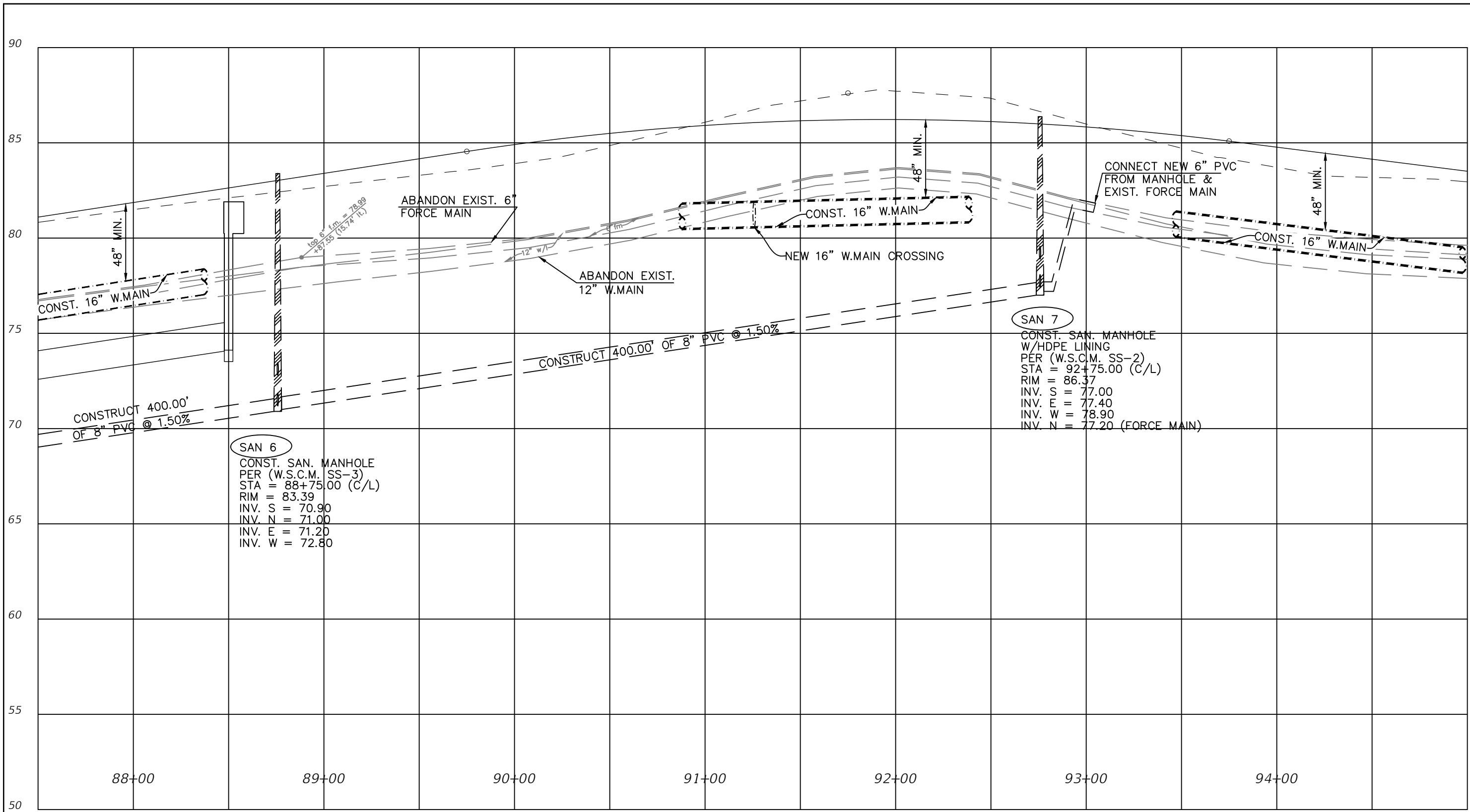
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, P.E.
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY
OCALA
CITY ENGINEER'S OFFICE

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)
UTILITY PROFILE (5)

SHEET NO.
49



1" = 50' Horizontal
 1" = 5' Vertical

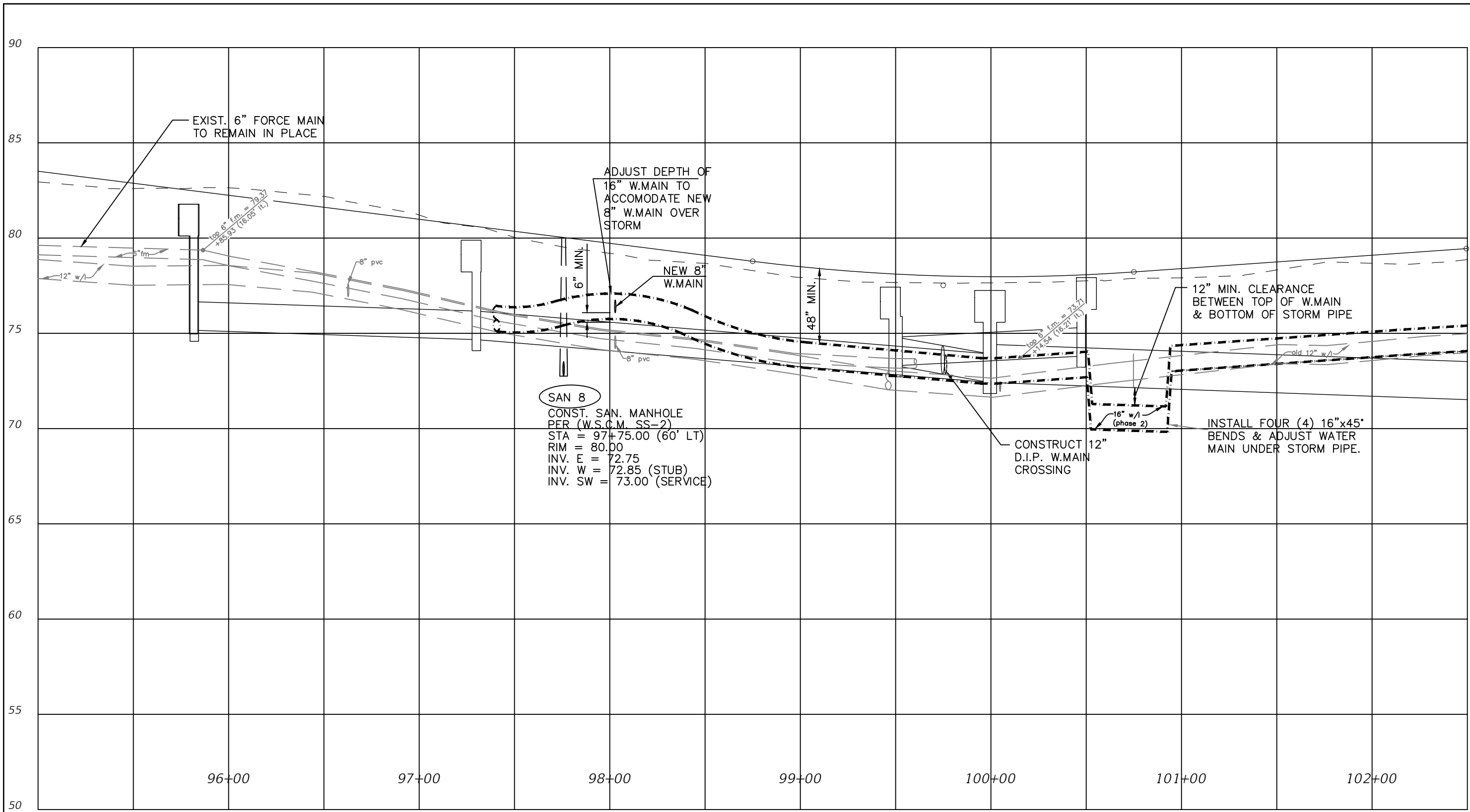
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, P.E.
 P.E. LICENSE NUMBER 84007
 CITY OF OCALA, FLORIDA
 1805 NE 30TH AVENUE
 OCALA, FLORIDA 34470

PREPARED BY


PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)
UTILITY PROFILE (6)

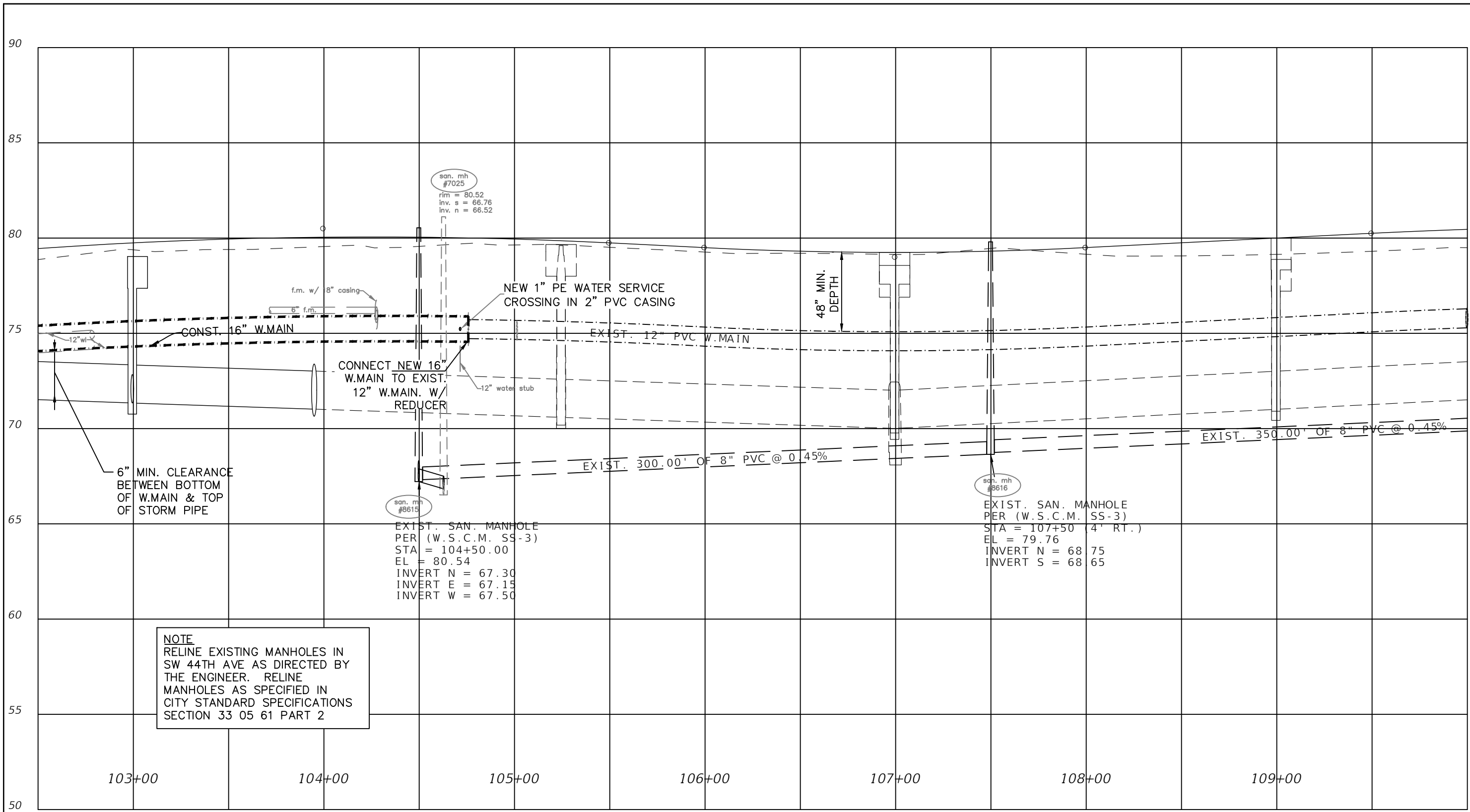
SHEET NO.
 50



SAN 8
 CONST. SAN. MANHOLE
 PER (W.S.C.M. SS-2)
 STA = 97+75.00 (60' LT)
 RIM = 80.00
 INV. E = 72.75
 INV. W = 72.85 (STUB)
 INV. SW = 73.00 (SERVICE)

1" = 50' Horizontal
 1" = 5' Vertical

REVISIONS				HECTOR A. COLON, P.E. P.E. LICENSE NUMBER 84007 CITY OF OCALA, FLORIDA 1805 NE 30TH AVENUE OCALA, FLORIDA 34470	PREPARED BY 	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 51
DATE	DESCRIPTION	DATE	DESCRIPTION				
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NOTE
 RELINE EXISTING MANHOLES IN SW 44TH AVE AS DIRECTED BY THE ENGINEER. RELINE MANHOLES AS SPECIFIED IN CITY STANDARD SPECIFICATIONS SECTION 33 05 61 PART 2

1" = 50' Horizontal
 1" = 5' Vertical

REVISIONS				HECTOR A. COLON, P.E. P.E. LICENSE NUMBER 84007 CITY OF OCALA, FLORIDA 1805 NE 30TH AVENUE OCALA, FLORIDA 34470	PREPARED BY 	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 52
DATE	DESCRIPTION	DATE	DESCRIPTION				
						UTILITY PROFILE (8)	

TEE **PLUGGED CROSS #1** **WYE**

PLUGGED TEE **PLUGGED CROSS #2** **BEND**

PLUG

NOTES

- BEARING AREA OF THRUST BLOCK SHALL NOT BE LESS THAN 1.0 SQ. FT. BEARING AREA SHALL HAVE EQUAL HEIGHT AND WIDTH.
- ALLOWABLE SOIL BEARING STRESS IS 2000 LBS. / SQ. FT.
- BEARING AREAS, VOLUMES, AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER THIS STANDARD. THRUST BLOCKS FOR VERTICAL BENDS HAVING DOWNWARD RESULTANT THRUSTS SHALL BE THE SAME AS FOR HORIZONTAL BENDS. BEARING AREAS FOR HORIZONTAL BEND THRUST BLOCKS ARE BASED ON TEST PRESSURE OF 150 PSIG, AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 LBS. / SQ. FT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, MULTIPLY TABLE VALUES BY THE FACTOR (P / 5g) WHERE: P = ACTUAL TEST PRESSURE (PSIG) AND 5g = ACTUAL OR BEARING PRESSURE (PSF).

CITY ENGINEER'S OFFICE
1805 NE 30TH AVE., SUITE 4000
OCALA, FLORIDA 34470

CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

THRUST BLOCKS

CAST-IN-PLACE

SECTION GENERAL
G-9A

REVISION DATE: DEC 2009

BEARING AREA OF THRUST BLOCKS IN SQUARE FEET (HORIZONTAL BENDS)

FITTING SIZE	TEE, WYE, PLUG, OR CAP	90° BEND PLUGGED CROSS	TEE PLUGGED RUN			BEND ANGLE		
			A1	A2	45°	22½°	11¼°	
4"	1.0	1.4	1.9	1.4	1.0	---	---	---
6"	2.1	3.0	4.3	3.0	1.6	1.0	---	---
8"	3.8	5.3	7.6	5.4	2.9	1.5	1.0	---
10"	5.9	8.4	11.8	8.4	4.6	2.4	1.2	---
12"	8.5	12.0	17.0	12.0	6.6	3.4	1.7	---
14"	11.5	16.3	23.0	16.3	8.9	4.6	2.3	---
16"	15.0	21.3	30.0	21.3	11.6	6.0	3.0	---
18"	19.0	27.0	38.0	27.0	14.6	7.6	3.8	---
20"	23.5	33.3	47.0	33.3	18.1	9.4	4.7	---
24"	34.0	48.0	68.0	48.0	26.2	13.6	6.8	---

VOLUME OF THRUST BLOCKS IN CUBIC YARDS

FITTING SIZE	TEE, WYE, PLUG, OR CAP	90° BEND PLUGGED CROSS	TEE PLUGGED RUN			BEND ANGLE		
			A1	A2	45°	22½°	11¼°	
4"	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
6"	0.10	0.15	0.35	0.25	0.09	0.075	0.075	0.075
8"	0.25	0.35	0.75	0.40	0.10	0.15	0.075	0.075
10"	0.45	0.60	1.00	0.60	0.35	0.20	0.10	0.10
12"	0.75	1.00	1.75	1.25	0.50	0.25	0.15	0.15
14"	1.25	1.50	2.00	1.75	0.75	0.35	0.25	0.25
16"	1.65	2.00	3.00	2.00	1.10	0.50	0.35	0.35
18"	2.25	2.75	4.00	2.75	1.75	0.80	0.45	0.45
20"	3.50	4.25	5.50	4.25	2.50	1.30	0.70	0.70
24"	5.00	6.00	7.50	6.00	4.00	2.00	1.00	1.00

NOTES
(CONTINUED FROM DETAIL G-9A)

- REQUIRED VOLUMES OR BEARING AREAS AT FITTINGS SHALL BE AS INDICATED BELOW AND ADJUSTED, IF NECESSARY, TO CONFORM TO THE TEST PRESSURE(S) AND ALLOWABLE SOIL BEARING STRESS(ES) STATED IN THE SPECIFICATIONS.
- KEEP CONCRETE CLEAR OF JOINT AND JOINT ACCESSORIES.
- ALL PLUGS, CAPS, TEES, AND BENDS DEFLECTING 11-DEGREES OR MORE ON MAINS 2-INCHES IN DIAMETER OR LARGER SHALL BE PROVIDED WITH SUITABLE ANCHORAGE CONSISTING OF THRUST BLOCKS OR RESTRAINED JOINTS. ALL RESTRAINED JOINT LENGTHS AS SPECIFIED IN THE TABLE ARE FOR ONE RESTRAINT DIRECTION. ALL PIPING TRANSITIONS SHALL BE RESTRAINED IN BOTH DIRECTIONS.

CITY ENGINEER'S OFFICE
1805 NE 30TH AVE., SUITE 4000
OCALA, FLORIDA 34470

CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

THRUST BLOCKS

CAST-IN-PLACE

SECTION GENERAL
G-9B

REVISION DATE: DEC 2009

VOLUME OF THRUST BLOCK IN CUBIC FEET (VERTICAL BENDS)

FITTING SIZE	BEND ANGLE		
	45°	22½°	11¼°
4"	1.1	0.4	0.2
6"	2.7	1.0	0.4
8"	4.0	1.5	0.6
10"	6.0	2.3	0.9
12"	8.5	3.2	1.3
14"	11.5	4.3	1.8
16"	14.8	5.6	2.3

ANCHOR ROD SIZES

FITTING SIZE	ROD SIZE	EMBEDMENT
12" OR LESS	#6	30"
14" - 16"	#8	36"

NOTES

- THRUST BLOCK VOLUMES FOR VERTICAL BENDS HAVING UPWARD RESULTANT THRUSTS ARE BASED ON TEST PRESSURE OF 150 PSIG AND THE WEIGHT OF CONCRETE (1450 LBS. / CU. YD.) TO COMPUTE VOLUMES FOR DIFFERENT TEST PRESSURES, USE THE FOLLOWING EQUATION: VOLUME = (TEST PRESSURE / 150) x TABLE VALUE.
- KEEP CONCRETE CLEAR OF JOINT AND JOINT ACCESSORIES.
- THRUST BLOCKS FOR VERTICAL BENDS HAVING DOWNWARD RESULTANT THRUSTS SHALL BE THE SAME AS FOR HORIZONTAL BENDS.
- BEARING AREA VOLUMES, AND SPECIAL BLOCKING DETAILS SHOWN ON THE PLANS TAKE PRECEDENCE OVER THE STANDARD.

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CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

THRUST BLOCKS

ANCHORED

SECTION GENERAL
G-10

REVISION DATE: DEC 2009

NOTES

- WHERE ONE VALVE BOX EXTENSION IS REQUIRED USE STANDARD VALVE BOX EXTENSION.
- WHERE MORE THAN ONE VALVE BOX EXTENSIONS ARE REQUIRED USE 6" D.I.P. CUT TO PROPER LENGTH SO VALVE BOX BOTTOM IS ONE CONTINUOUS SECTION.
- VALVE BOX LID TO BE FURNISHED WITH THE WORD "WATER", FOR WATER MAIN INSTALLATION, "SEWER" FOR FORCE MAIN INSTALLATION, "REUSE" FOR REUSE MAIN INSTALLATION, OR "FIRE" FOR DEDICATED FIRE MAIN INSTALLATION.
- FOR ALL VALVES USE FOUR (4) OR FIVE (5) SOLID COMMON BRICKS LAID FLAT.
- 4" x 8" x 16" SOLID PRECAST CONCRETE BLOCK TO BE INSTALLED UNDERNEATH VALVE BODY FOR SUPPORT.
- FLOWABLE FILL OR CONCRETE CAN BE USED IN LIEU OF LIMEROCK IF APPROVED BY THE ENGINEER.
- FOR ALL VALVE BOXES INSTALLED IN PAVEMENT USE NON-POP LID.
- FOR ALL PRESSURE MAINS, TERMINATE LOCATING WIRE INSIDE VALVE BOX. SEE DETAIL G-15E.

CITY ENGINEER'S OFFICE
1805 NE 30TH AVE., SUITE 4000
OCALA, FLORIDA 34470

CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

VALVE BOX INSTALLATION

IN ROADWAYS OR AREAS SUBJECT TO TRAFFIC

SECTION GENERAL
G-13

REVISION DATE: DEC 2009

PIPE INSTALLATION

PIPE DIAMETER	2" - 7"	8" - 16"	17" - 24"	OVER 24"
TRENCH WIDTH "W"	36"	48"	54"	60"

STRUCTURE INSTALLATION

DEPTH OF TRENCH	0' - 6"	6' - 12'	12' - 18'	OVER 18'
STRUCTURE WIDTH "SW"	VARIES	VARIES	VARIES	VARIES
TRENCH WIDTH "W"	SW + 36"	SW + 48"	SW + 54"	SW + 60"

NOTES

- IN THE EVENT UNSUITABLE OR UNSUITABLE BEDDING MATERIAL IS ENCOUNTERED AT OR BELOW THE LIMITS OF EXCAVATION NOTED ON THE DRAWINGS, SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH FILL APPROVED BY THE ENGINEER.
- UPPER LIMITS OF TRENCH EXCAVATION AND FOR CALCULATION OF UNSUITABLE MATERIAL REFERS TO ONE OF THE FOLLOWING CONDITIONS (REFER TO DETAILS G-17 & G-18):
 - BOTTOM OF LIMEROCK BASE WHERE UNDER A PAVED ROADWAY EXCEPT WHERE A TWO FOOT (2) UNDERCUT BELOW THE ROADWAY BASE IS REQUIRED. SEE "B" BELOW.
 - BOTTOM OF TWO FOOT (2) UNDERCUT BELOW THE ROADWAY SUBGRADE WHERE CALLED FOR IN THE CONTRACT DOCUMENTS.
 - FINISH GRADE WHERE NOT UNDER A PAVED ROADWAY.
- TYPICAL TRENCH SLOPES ARE 1:1 EXCEPT WHERE SOIL CONDITIONS WARRANT DEVIATIONS BUT SHALL BE SUBJECT TO THE DISCRETION OF THE ENGINEER OR THEIR REPRESENTATIVE. WHERE DEVIATION IS WARRANTED SLOPES ARE IN ACCORDANCE WITH O.S.H.A. REQUIREMENTS. FOR PURPOSES OF CALCULATING, TRENCH SLOPES ARE ASSUMED TO BE 1:1 UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- IN DEEP CUTS, TRENCH SHORING OR A TRENCH BOX SHALL BE USED AS DIRECTED BY THE ENGINEER.

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1805 NE 30TH AVE., SUITE 4000
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CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

TRENCH EXCAVATION

UNSUITABLE MATERIAL

SECTION GENERAL
G-16

REVISION DATE: DEC 2009

NOTES

- DENSITY TESTS TO BE TAKEN AT EACH 6" OF COMPACTED FILL, NOT LESS THAN 100 FEET (100) APART AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATIONS, LATEST REVISION.
- IF THE CONTRACTOR HAS COMPACTION EQUIPMENT WITH WHICH THE REQUIRED DENSITY CAN BE OBTAINED IN THICKER LIFTS THAN PERMITTED ABOVE AND UPON SATISFACTORY EVIDENCE THAT THE PROPOSED EQUIPMENT WILL PRODUCE WORK EQUAL IN QUALITY TO THAT PRODUCED BY THE SPECIFIED METHODS, THE ENGINEER MAY PERMIT PLACEMENT OF GRANULAR MATERIAL SOIL GROUPS A-1, A-2, OR A-3 IN LIFTS UP TO A MAXIMUM OF 12" COMPACTED THICKNESS. THE CONTRACTOR WILL BE REQUIRED TO FURNISH EQUIPMENT AND LABOR TO EXCAVATE AND BACKFILL TEST PITS TO BE DUG FOR THE PERFORMANCE OF DENSITY TESTS.
- USE OF THICK LIFT COMPACTION PROCEDURES WILL NOT BE ALLOWED FOR THE FIRST STAGE BACKFILLING (BENEATH THE HAUNCHES) OF PIPE AND ON SIDES OF PIPE.
- REFER TO PROJECT PLANS AND SPECIFICATIONS, AND F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION, UNSUITABLE MATERIAL FOR UNDERCUTTING REQUIREMENTS.
- REFER TO PROJECT PLANS AND SPECIFICATIONS, AND F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE REPLACEMENT.

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CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

TRENCH BACKFILL

NOT WITHIN STREET RIGHT-OF-WAY

SECTION GENERAL
G-17

REVISION DATE: DEC 2009

NOTES

- DENSITY TESTS TO BE TAKEN AT EACH 6" OF COMPACTED FILL NOT LESS THAN 100 FEET (100) APART AS DIRECTED BY THE PROJECT ENGINEER, IN ACCORDANCE WITH F.D.O.T. MANUAL, LATEST REVISION.
- IF THE CONTRACTOR HAS COMPACTION EQUIPMENT WITH WHICH THE REQUIRED DENSITY CAN BE OBTAINED IN THICKER LIFTS THAN PERMITTED ABOVE AND UPON SATISFACTORY EVIDENCE THAT THE PROPOSED EQUIPMENT WILL PRODUCE WORK EQUAL IN QUALITY TO THAT PRODUCED BY THE SPECIFIED METHODS, THE ENGINEER MAY PERMIT PLACEMENT OF GRANULAR MATERIAL SOIL GROUPS A-1, A-2, OR A-3 IN LIFTS UP TO A MAXIMUM OF 12" COMPACTED THICKNESS. THE CONTRACTOR WILL BE REQUIRED TO FURNISH EQUIPMENT AND LABOR TO EXCAVATE AND BACKFILL TEST PITS TO BE DUG FOR THE PERFORMANCE OF DENSITY TESTS.
- USE OF THICK LIFT COMPACTION PROCEDURES WILL NOT BE ALLOWED FOR THE FIRST STAGE BACKFILLING (BENEATH THE HAUNCHES) OF PIPE AND ON SIDES OF PIPE.
- REFER TO PROJECT PLANS AND SPECIFICATION, AND F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, UNSUITABLE MATERIAL FOR UNDERCUTTING REQUIREMENTS.
- REFER TO PROJECT PLANS AND SPECIFICATIONS, AND F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD REPLACEMENT.
- TRENCH SHORING AND TRENCH BOXES SHALL BE UTILIZED PER O.S.H.A. REQUIREMENTS FOR TRENCH SAFETY, 29 C.F.R. 1926, SUBPART B.
- THE TWO FOOT (2) SUBGRADE UNDER LIMEROCK AND STABILIZED SUBGRADE BASES MUST BE CLEAN FILL WITH NO PLASTICS PRESENT.

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CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

TRENCH BACKFILL

UNTRAVELED WAY FOR ALL STREETS - PAVED AND UNPAVED

SECTION GENERAL
G-18

REVISION DATE: DEC 2009

NOTES

- WHERE ONE VALVE BOX EXTENSION IS REQUIRED USE STANDARD VALVE BOX EXTENSIONS.
- WHERE MORE THAN ONE VALVE BOX EXTENSIONS ARE REQUIRED USE 6" D.I.P. CUT TO PROPER LENGTH SO VALVE BOX BOTTOM IS ONE CONTINUOUS SECTION.
- VALVE BOX LID TO BE FURNISHED WITH THE WORD "WATER", FOR WATER MAIN INSTALLATION, "SEWER" FOR FORCE MAIN INSTALLATION, "REUSE" FOR REUSE MAIN INSTALLATION, OR "FIRE" FOR DEDICATED FIRE MAIN INSTALLATION.
- FOR ALL VALVES USE FOUR (4) OR FIVE (5) SOLID COMMON BRICKS LAID FLAT.
- 4" x 8" x 16" SOLID PRECAST CONCRETE BLOCK TO BE INSTALLED UNDERNEATH VALVE BODY FOR SUPPORT.
- FOR ALL PRESSURE MAINS, TERMINATE LOCATING WIRE INSIDE VALVE BOX. SEE DETAIL G-15E.

CITY ENGINEER'S OFFICE
1805 NE 30TH AVE., SUITE 4000
OCALA, FLORIDA 34470

CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

VALVE BOX INSTALLATION

IN GRASS OR AREAS NOT SUBJECT TO TRAFFIC

SECTION GENERAL
G-14

REVISION DATE: DEC 2009

REVISIONS		REVISIONS		HECTOR A. COLON, P.E. P.E. LICENSE NUMBER 84007 CITY OF OCALA, FLORIDA 1805 NE 30TH AVENUE OCALA, FLORIDA 34470	PREPARED BY OCALA CITY ENGINEER'S OFFICE Gary Anson	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	UTILITY DETAILS (1)	SHEET NO. 53
DATE	DESCRIPTION	DATE	DESCRIPTION					
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THRUST RESTRAINT TABLE FOR D.I.P. HORIZONTAL FITTINGS IN FEET

NOMINAL PIPE DIAMETER	TEE, 90° BEND	45° BEND	22½° BEND	1½° BEND	PLUG
4" - 6"	40	20	20	20	80
8"	60	40	20	20	100
12"	80	40	20	20	140
16"	120	60	40	20	180
18"	140	80	40	20	220
24" - 30"	160	80	40	20	300
36"	180	80	40	20	360

NOTES

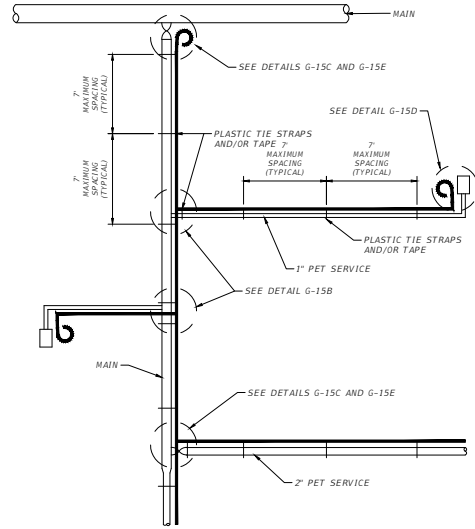
1. MINIMUM RESTRAINED LENGTH SHALL BE ALWAYS 20 FEET.
2. IN-LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.



CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

RESTRAINED JOINT SYSTEM

SECTION GENERAL
G-11
REVISION DATE DEC 2020



NOTES

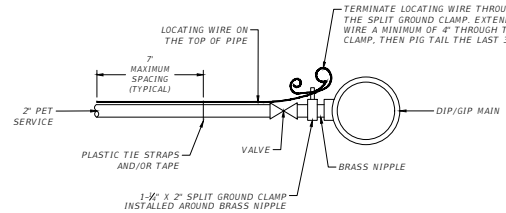
1. LOCATING WIRES TO BE INSTALLED IN BOTH SIX AND TWELVE O'CLOCK POSITIONS.
2. SECURE LOCATING WIRES TO MAIN BY USE OF PLASTIC TIE STRAPS AND/OR TAPE SPACED AT A MAXIMUM DISTANCE OF SEVEN FEET (7').
3. THE ENTIRE LOCATING SYSTEM SHALL BE SUBJECTED TO TESTING TO DETERMINE ITS RELIABILITY. WHERE INSTALLED UNDER PAVEMENT AREAS, TESTING SHALL BE DONE PRIOR TO PLACEMENT OF ASPHALT.
4. AFTER WIRE INSTALLATION THROUGH GROUND CLAMPS, WRAP ALL BARE WIRES WITH ELECTRICAL TAPE.
5. TERMINATE LOCATING WIRE AT ALL VALVE BOXES AND METER BOXES.



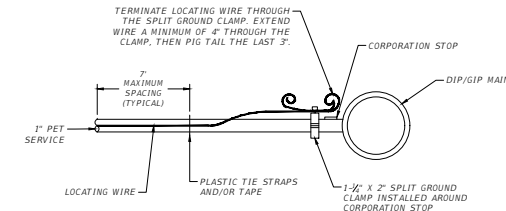
CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

LOCATING WIRE SYSTEM

SECTION GENERAL
G-15A
REVISION DATE DEC 2020



2" CONNECTION TO DIP/GIP MAINS



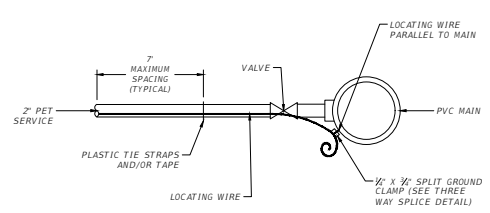
1" CONNECTION TO DIP/GIP MAINS



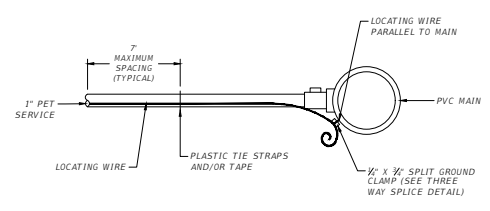
CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

LOCATING WIRE SYSTEM

SECTION GENERAL
G-15B
REVISION DATE DEC 2020



2" CONNECTION TO PVC MAINS



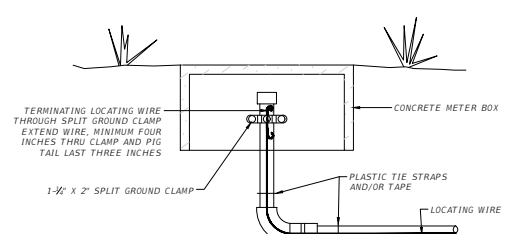
1" CONNECTION TO PVC MAINS



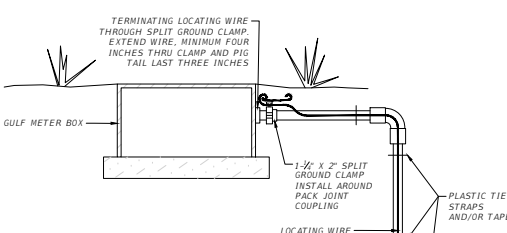
CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

LOCATING WIRE SYSTEM

SECTION GENERAL
G-15C
REVISION DATE DEC 2020



MULTIFAMILY SERVICE



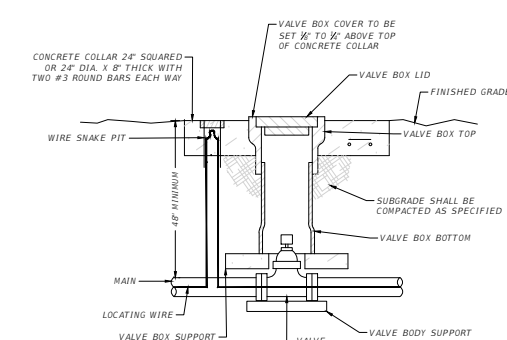
SINGLE FAMILY SERVICE



CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

LOCATING WIRE SYSTEM

SECTION GENERAL
G-16D
REVISION DATE DEC 2020



NOTES

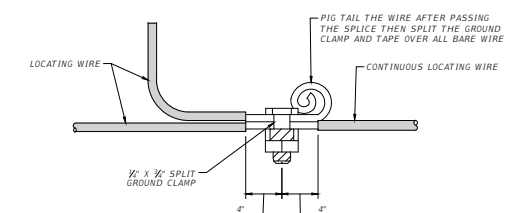
1. TERMINATE AT ALL VALVES.
2. ENSURE WIRE IS TO THE SIDE OF THE VALVE BOX SO THE VALVE CAN BE PROPERLY OPERATED.



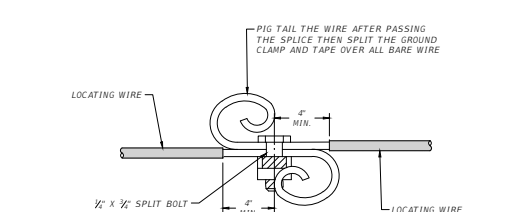
CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

LOCATING WIRE SYSTEM

SECTION GENERAL
G-15E
REVISION DATE DEC 2020



THREE WAY SPLICE



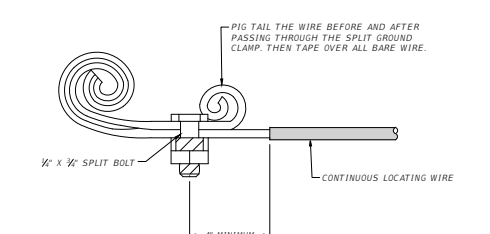
SINGLE SPLICE



CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

LOCATING WIRE SYSTEM

SECTION GENERAL
G-15F
REVISION DATE DEC 2020



NOTES

1. USE ONLY ONE STANDARD VALVE BOX EXTENSION.
2. VALVE BOX LID TO BE FURNISHED WITH THE WORD "WATER" FOR WATER MAIN INSTALLATION, "SEWER" FOR SEWER MAIN INSTALLATION OR "REUSE" FOR REUSE MAIN INSTALLATION.
3. MAXIMUM SPACING BETWEEN GROUNDING ROD IS 500 FEET.



CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

LOCATING WIRE SYSTEM

SECTION GENERAL
G-15G
REVISION DATE DEC 2020

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
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HECTOR A. COLON, P.E.
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY



Gary Anson

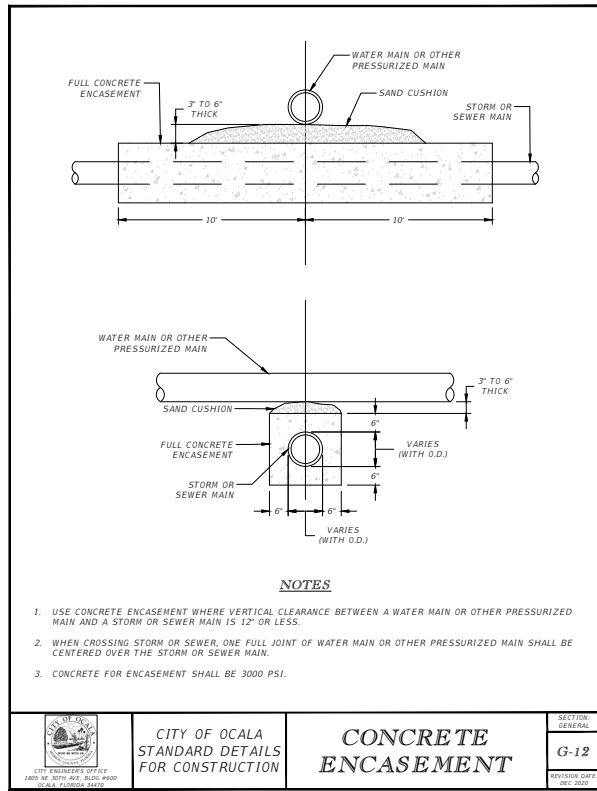
PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

UTILITY DETAILS

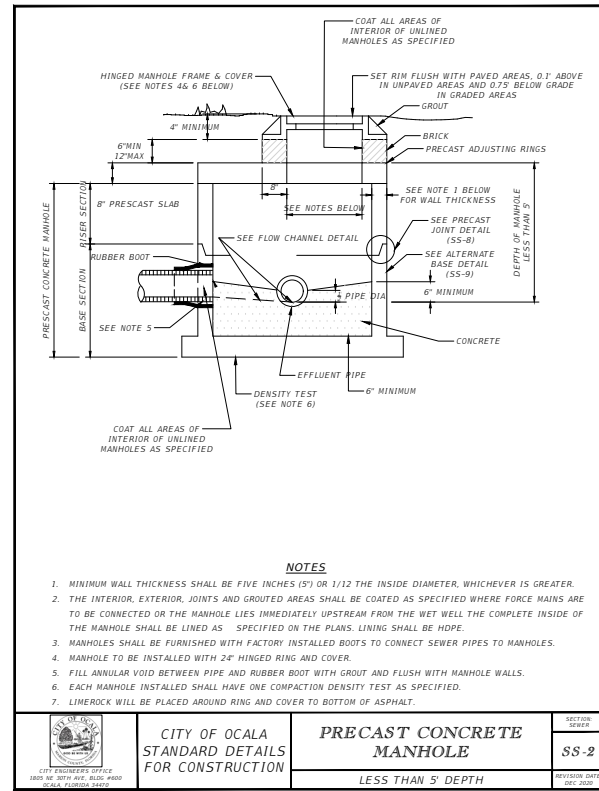
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SHEET NO.

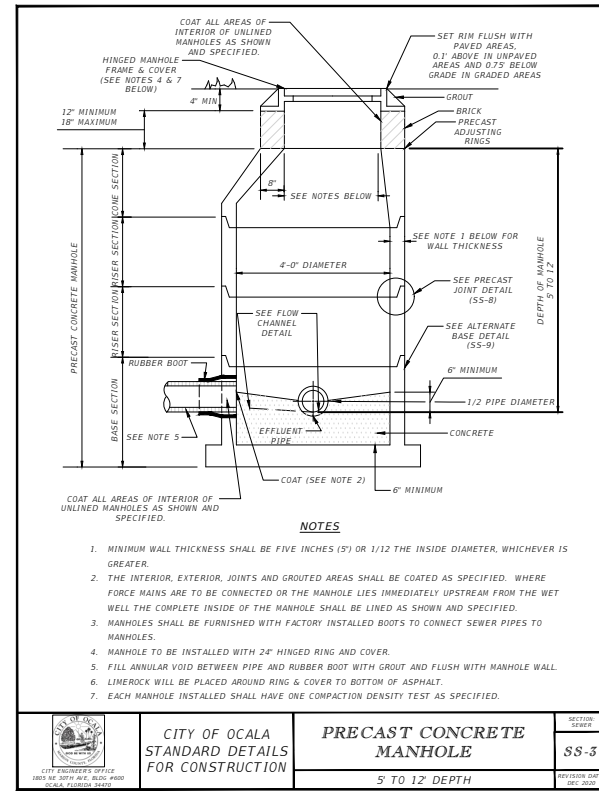
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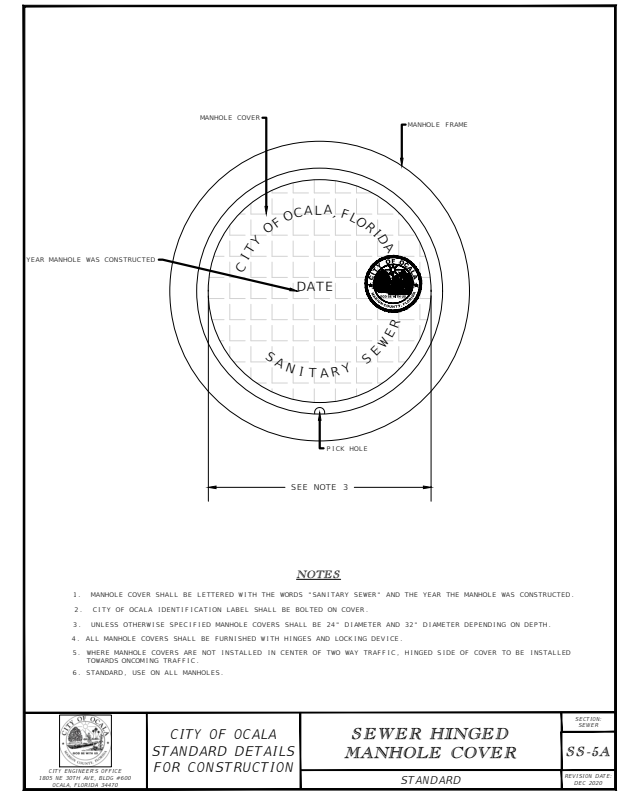
	CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION	CONCRETE ENCASUREMENT	SECTION GENERAL
			G-12
<small>CITY ENGINEER'S OFFICE 1805 NE 30TH AVE., SUITE 4000 OCALA, FLORIDA 34470</small>			<small>REVISION DATE: DEC. 2020</small>



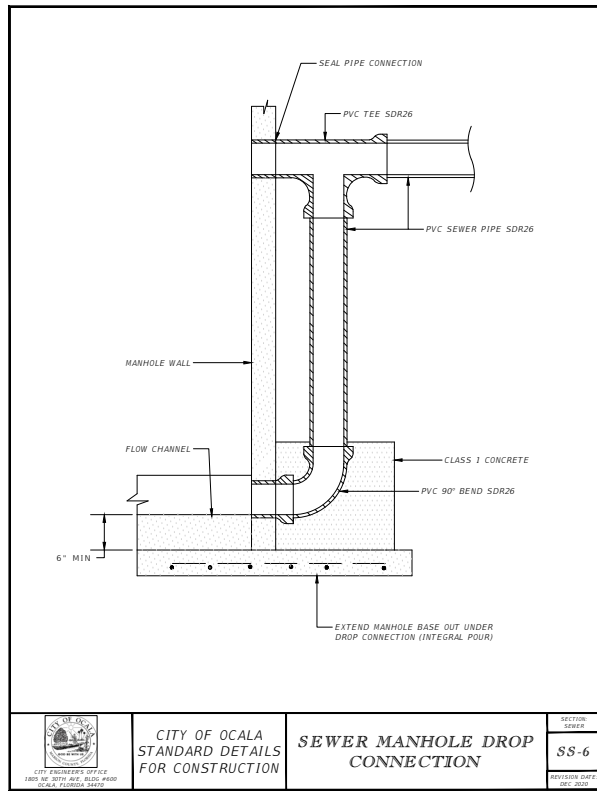
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			SS-2
<small>CITY ENGINEER'S OFFICE 1805 NE 30TH AVE., SUITE 4000 OCALA, FLORIDA 34470</small>			<small>REVISION DATE: DEC. 2020</small>



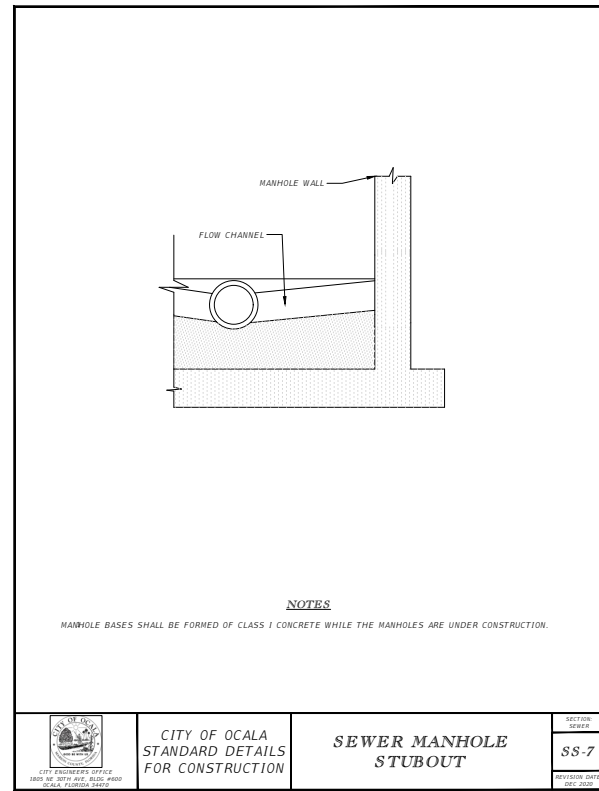
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<small>CITY ENGINEER'S OFFICE 1805 NE 30TH AVE., SUITE 4000 OCALA, FLORIDA 34470</small>			<small>REVISION DATE: DEC. 2020</small>



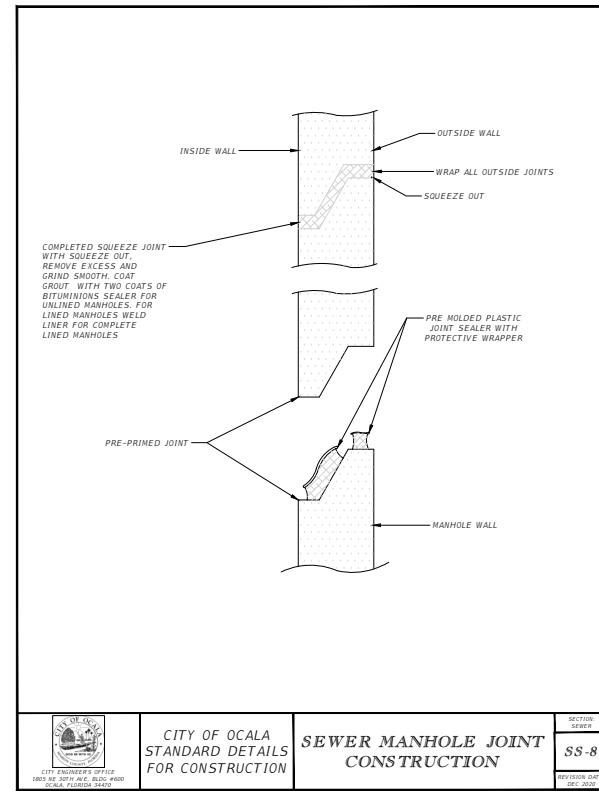
	CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION	SEWER HINGED MANHOLE COVER	SECTION HOLE
			SS-5A
<small>CITY ENGINEER'S OFFICE 1805 NE 30TH AVE., SUITE 4000 OCALA, FLORIDA 34470</small>			<small>REVISION DATE: DEC. 2020</small>



	CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION	SEWER MANHOLE DROP CONNECTION	SECTION HOLE
			SS-6
<small>CITY ENGINEER'S OFFICE 1805 NE 30TH AVE., SUITE 4000 OCALA, FLORIDA 34470</small>			<small>REVISION DATE: DEC. 2020</small>

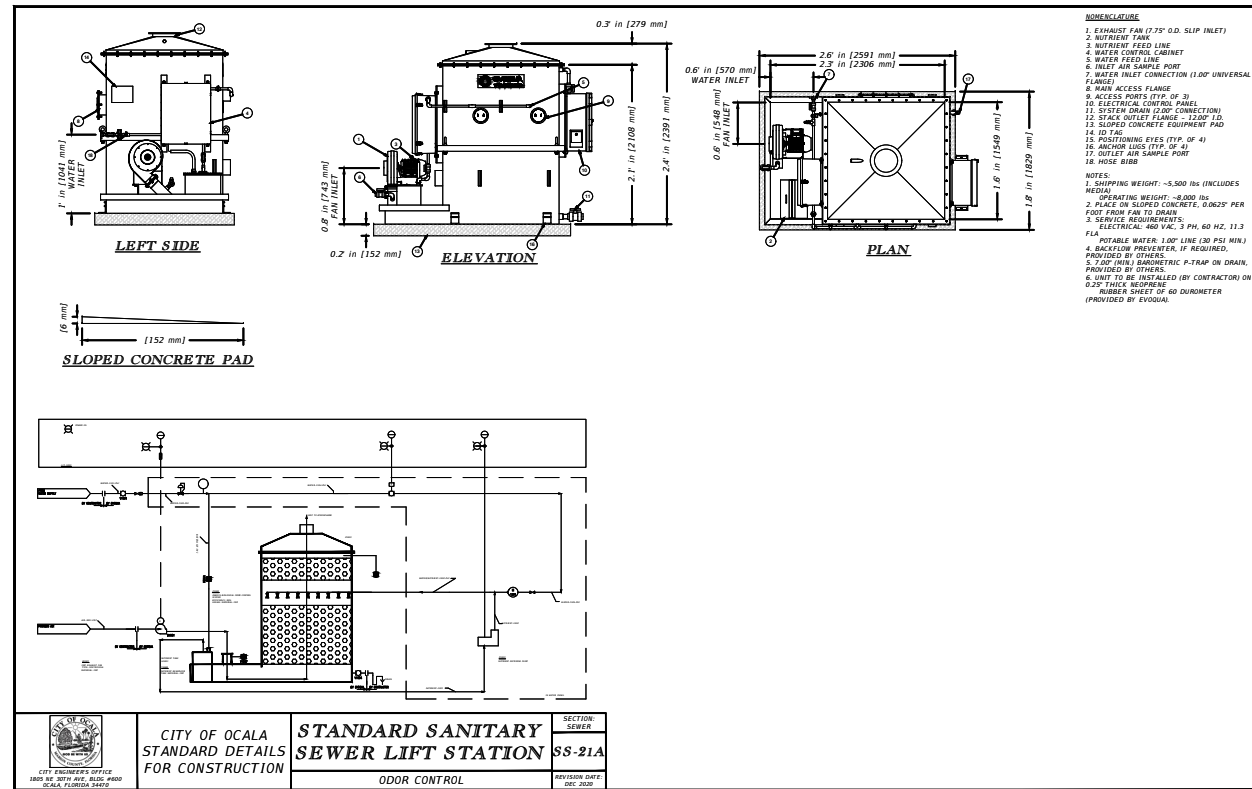
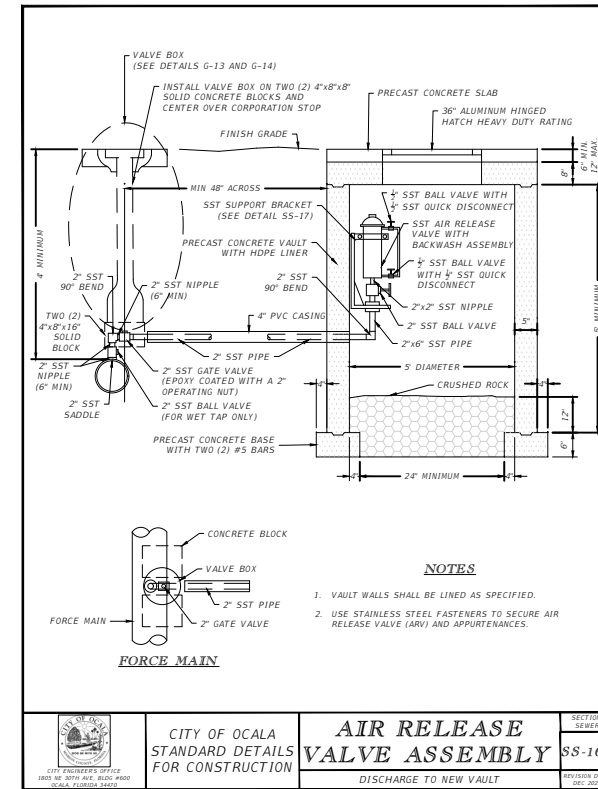
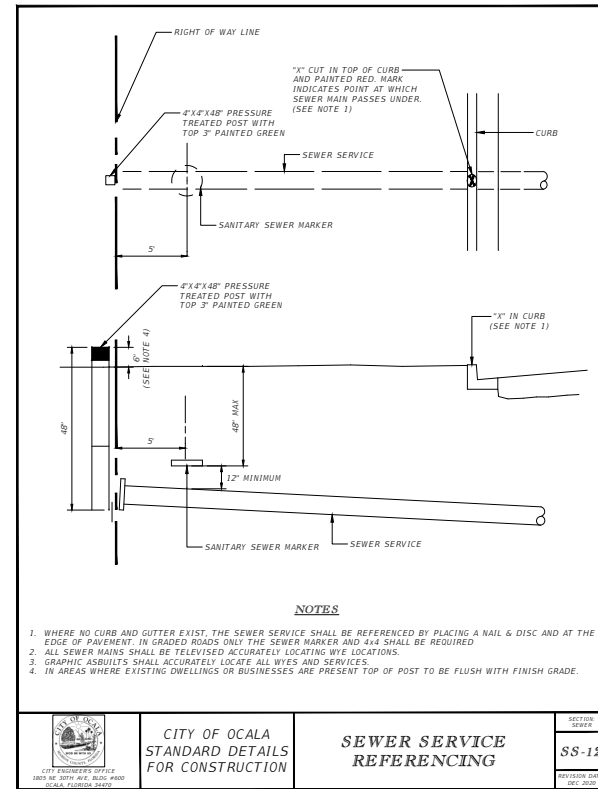
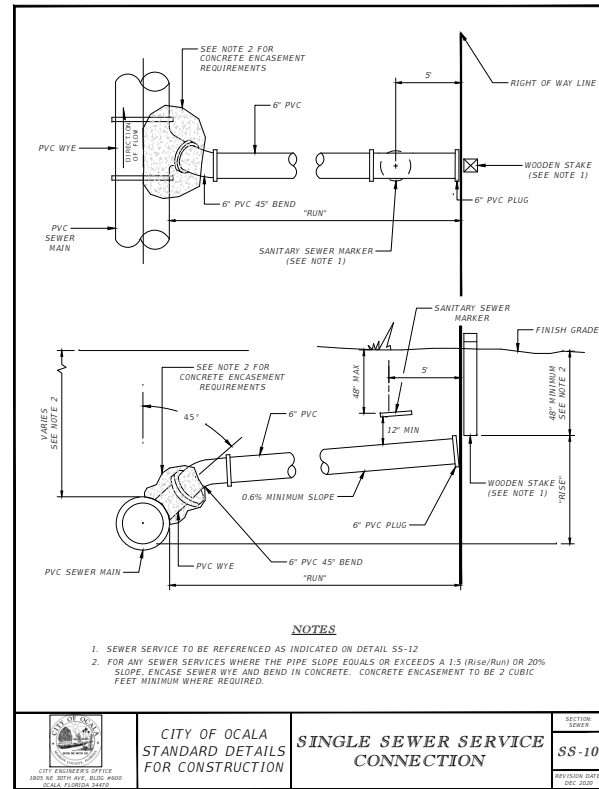


	CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION	SEWER MANHOLE STUBOUT	SECTION HOLE
			SS-7
<small>CITY ENGINEER'S OFFICE 1805 NE 30TH AVE., SUITE 4000 OCALA, FLORIDA 34470</small>			<small>REVISION DATE: DEC. 2020</small>



	CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION	SEWER MANHOLE JOINT CONSTRUCTION	SECTION HOLE
			SS-8
<small>CITY ENGINEER'S OFFICE 1805 NE 30TH AVE., SUITE 4000 OCALA, FLORIDA 34470</small>			<small>REVISION DATE: DEC. 2020</small>

REVISIONS				PREPARED BY CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 55
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	UTILITY DETAILS (3)	Gary Anson 10/26/2023 1:43:15 PM
---	---	---	---			



REVISIONS			
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

PREPARED BY

 Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

SHEET NO.
 56

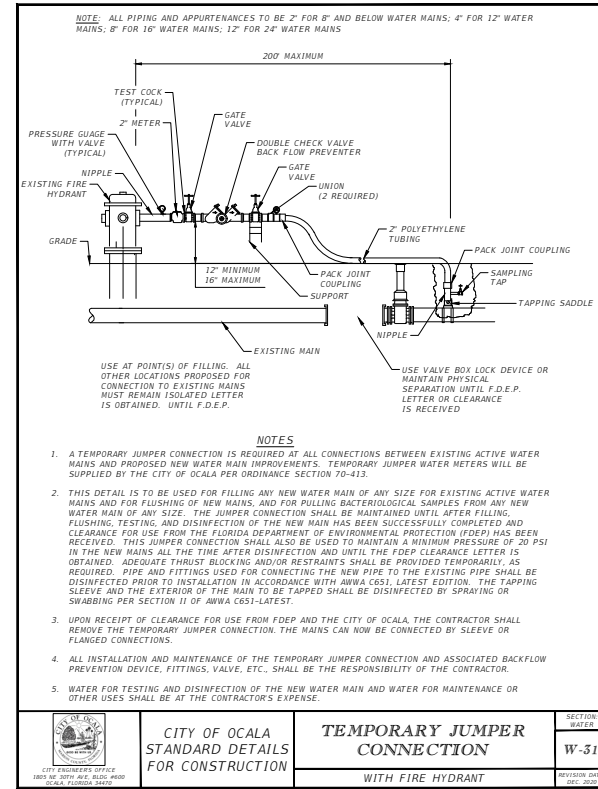
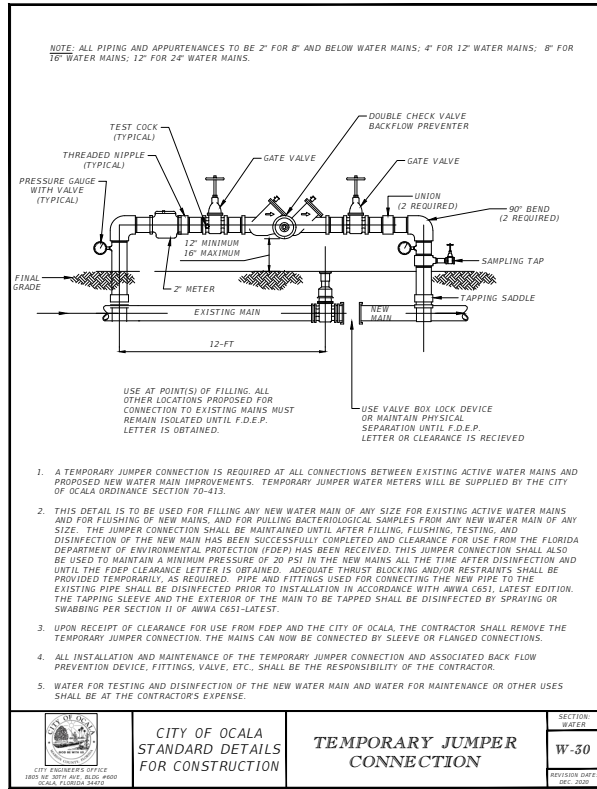
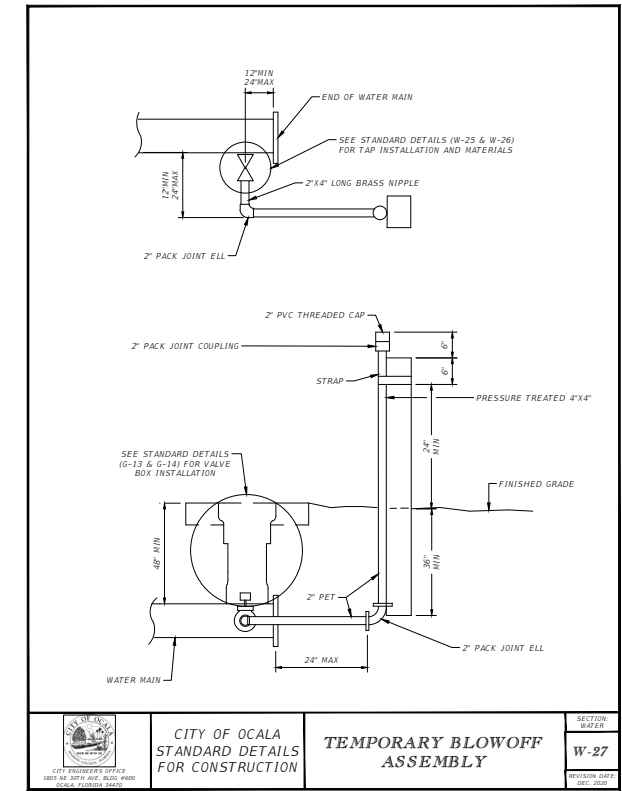
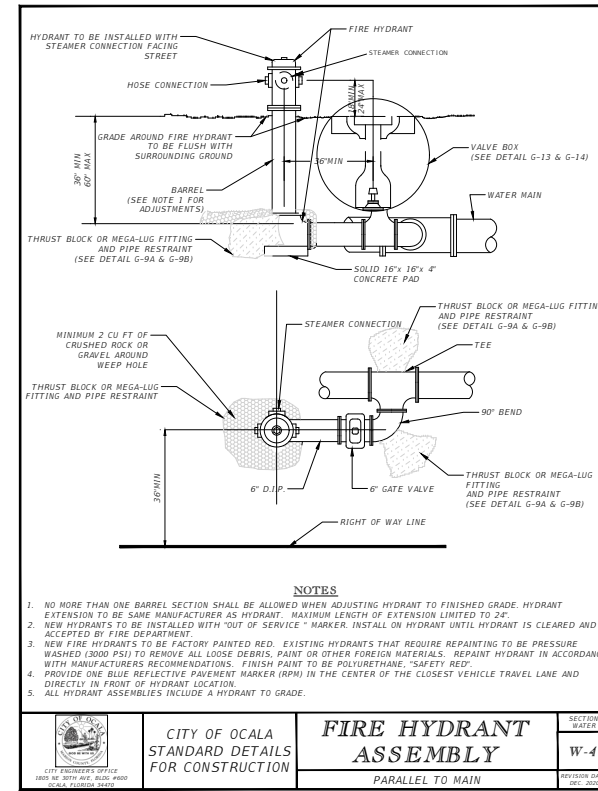
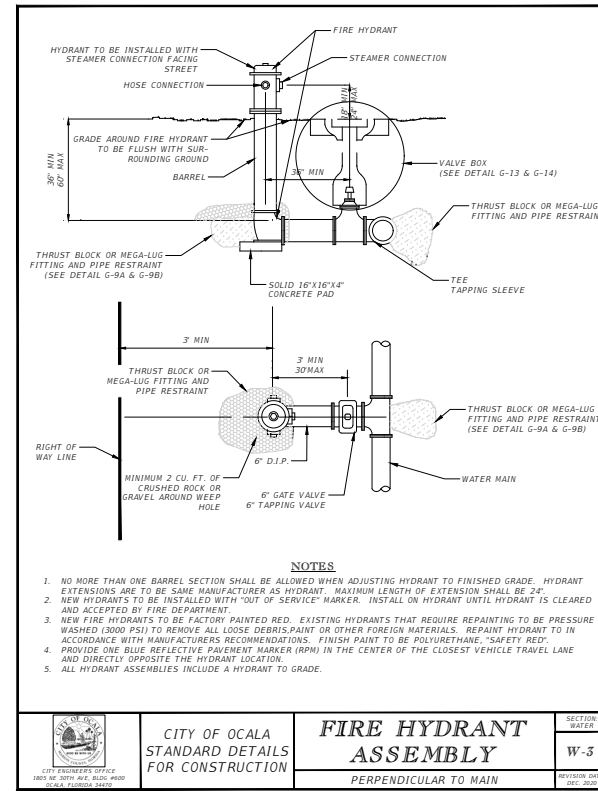
LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)	Water Main 3 ft. minimum	Water Main 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 3 ft. minimum
Vacuum Sanitary Sewer	Water Main 10 ft. preferred 3 ft. minimum	Water Main 12 inches preferred 6 inches minimum	Alternate 3 ft. minimum
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)	Water Main 10 ft. preferred 6 ft. minimum (3)	Water Main 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 6 ft. minimum
On-Site Sewage Treatment & Disposal System	10 ft. minimum		

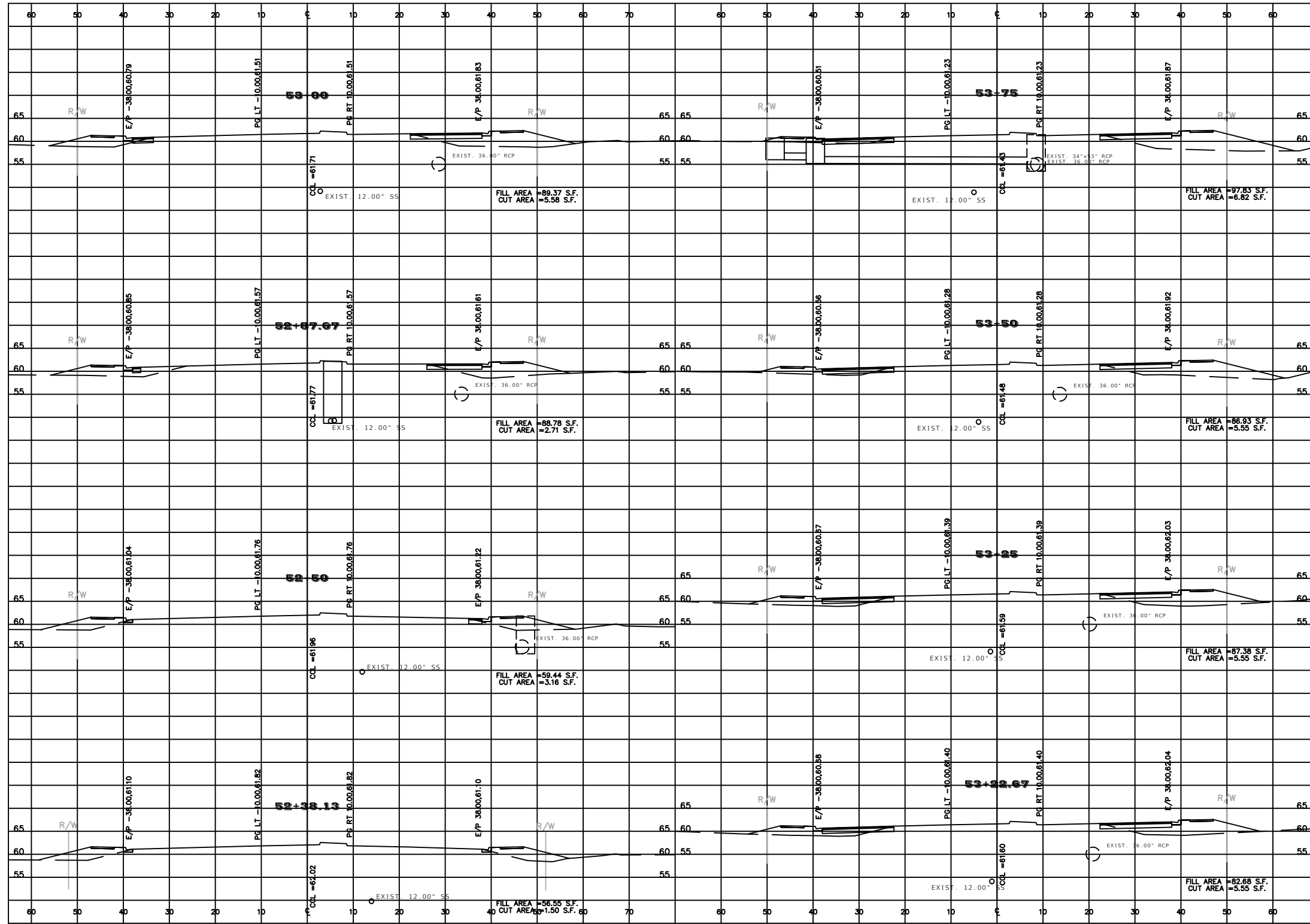
1. Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
 2. Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.
 3. 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.
 4. Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

Disclaimer - This document is provided for your convenience only. Please refer to F.A.C. Rule 62-555.314 for additional construction requirements.

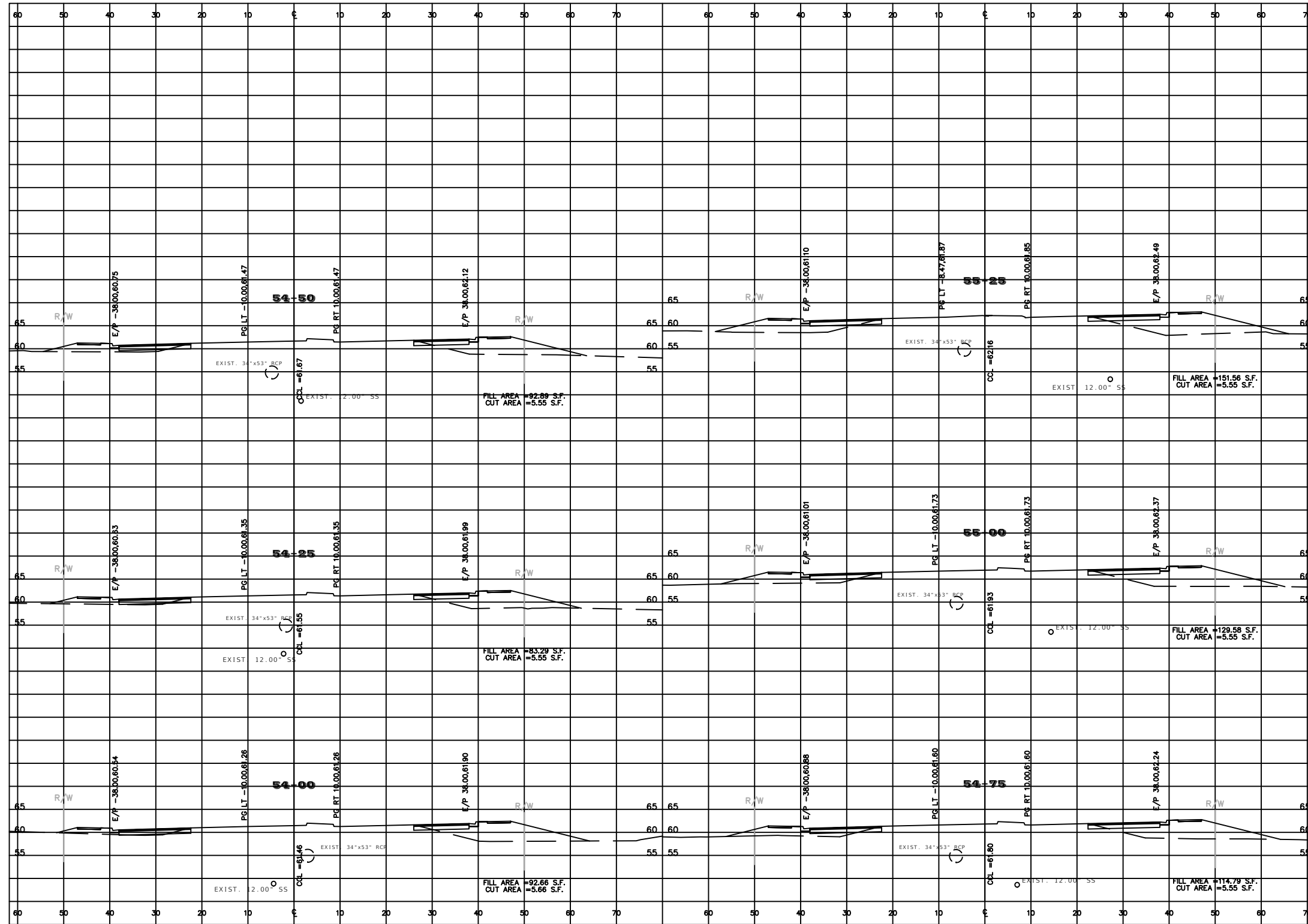
	CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION	SEPARATION OF WATER MAINS	SECTION W-2
	100 N. 30TH AVE., SUITE 400 OCALA, FLORIDA 34701	REVISION DATE DEC. 2020	




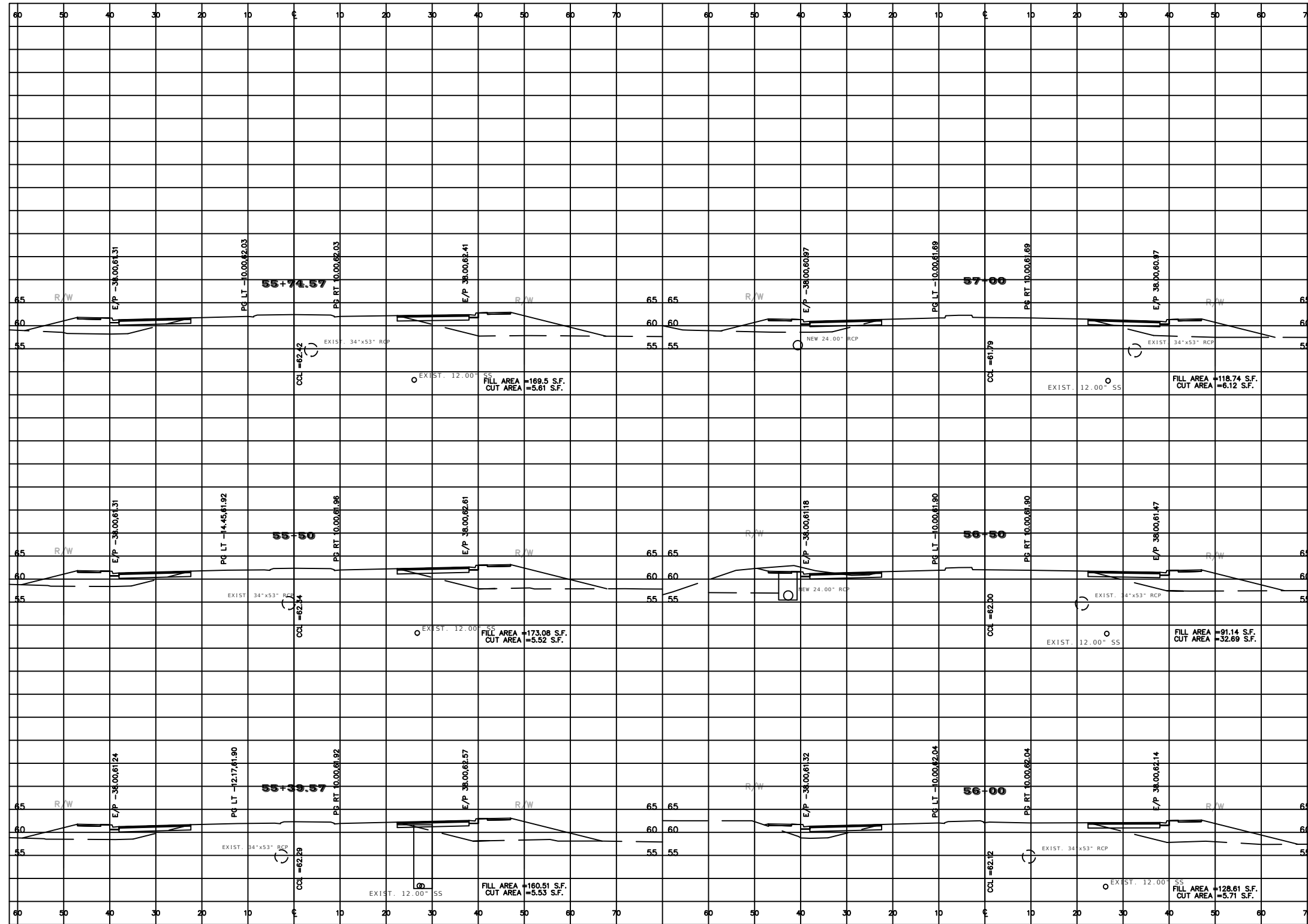
REVISIONS				PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
---	---	---	---	 Gary Anson	UTILITY DETAILS (5)	57



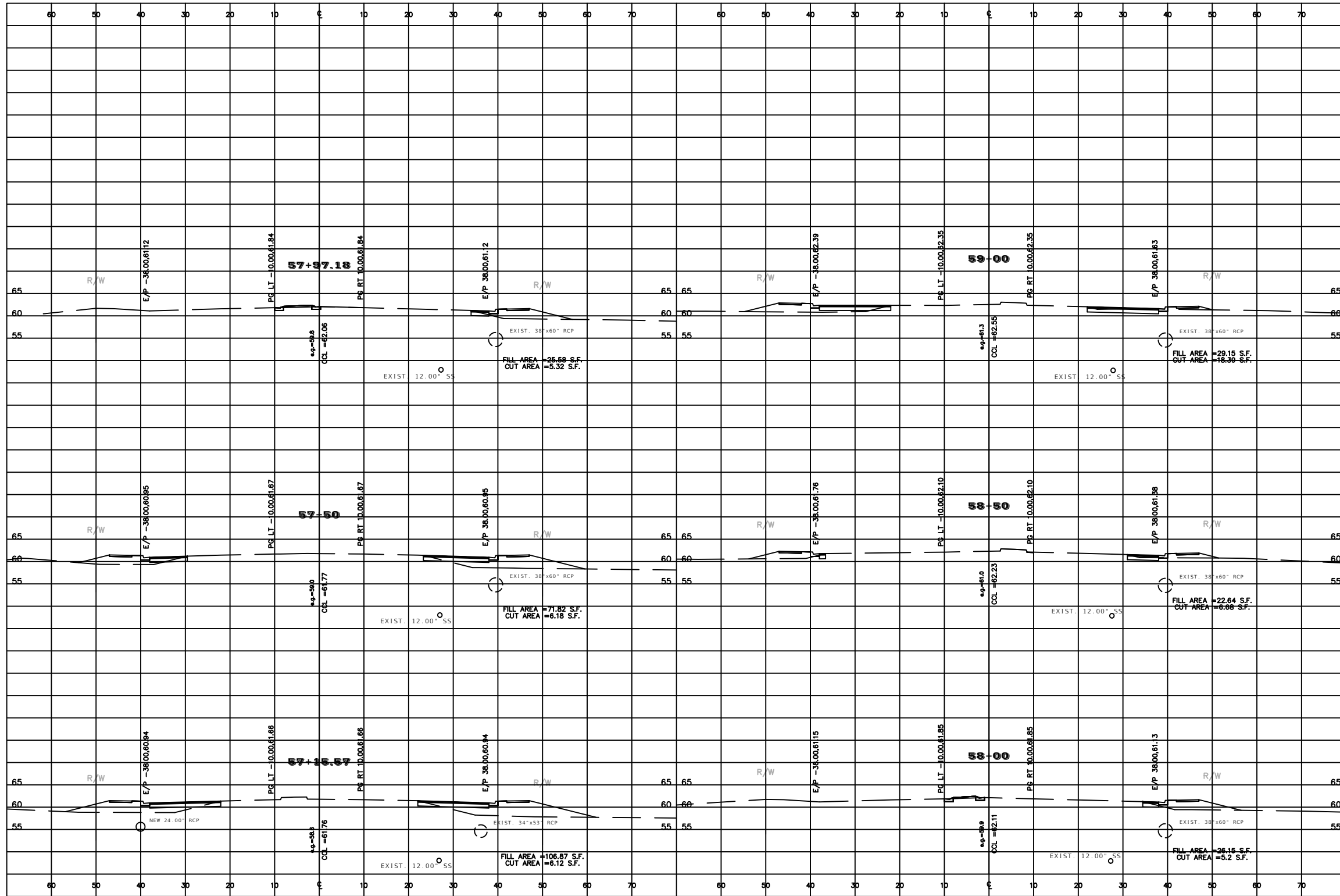
REVISIONS		PREPARED BY		PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
---	---			<p>NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.</p>	<p>OCALA CITY ENGINEER'S OFFICE</p>
					58



REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	<h1 style="text-align: center;">ROADWAY CROSS-SECTIONS (2)</h1>	SHEET NO. 59
DATE	DESCRIPTION	DATE	DESCRIPTION					
---	---	---	---					



REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	ROADWAY CROSS-SECTIONS (3)	SHEET NO. 60
DATE	DESCRIPTION	DATE	DESCRIPTION					
---	---	---	---					



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

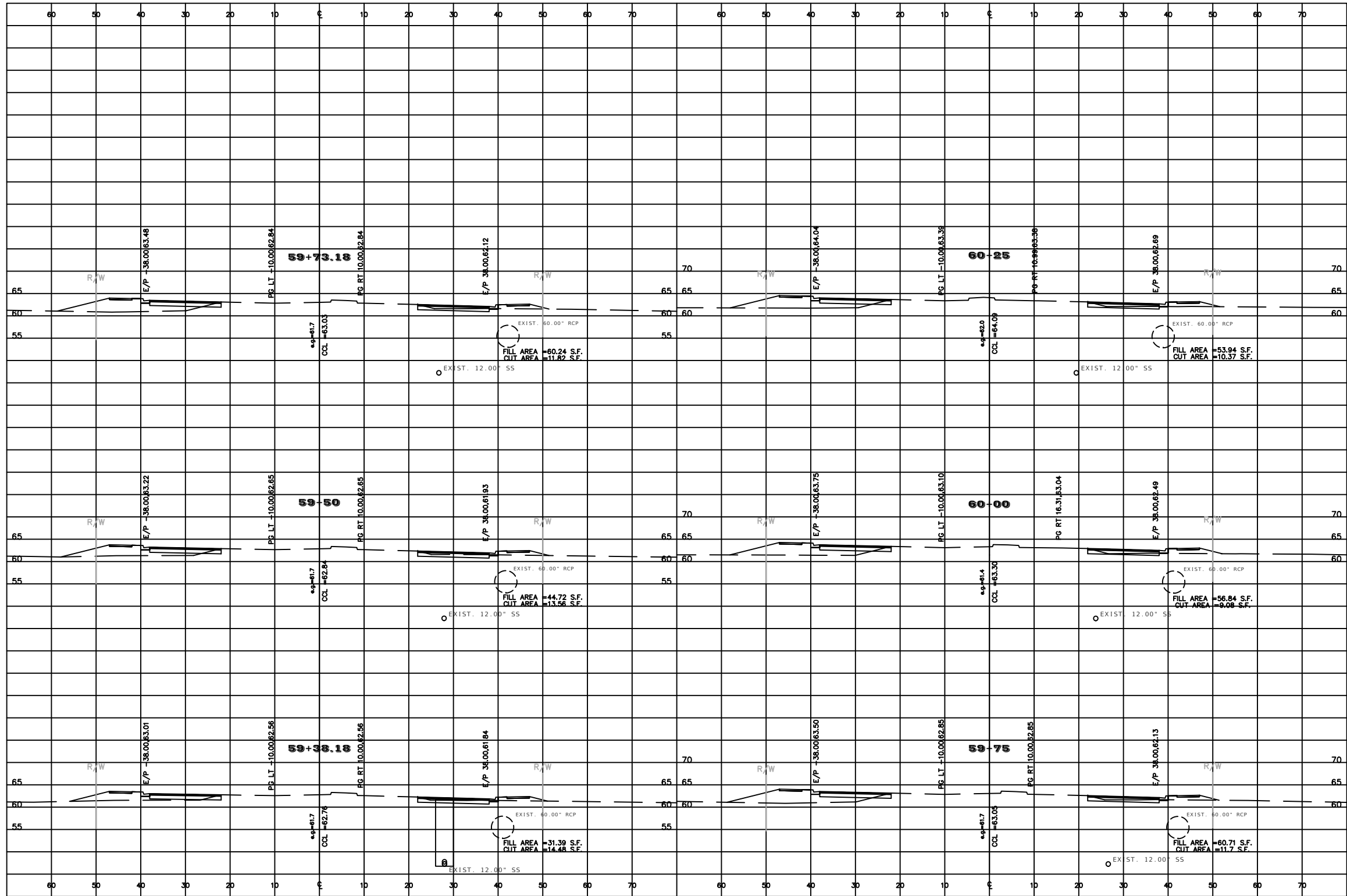
PREPARED BY



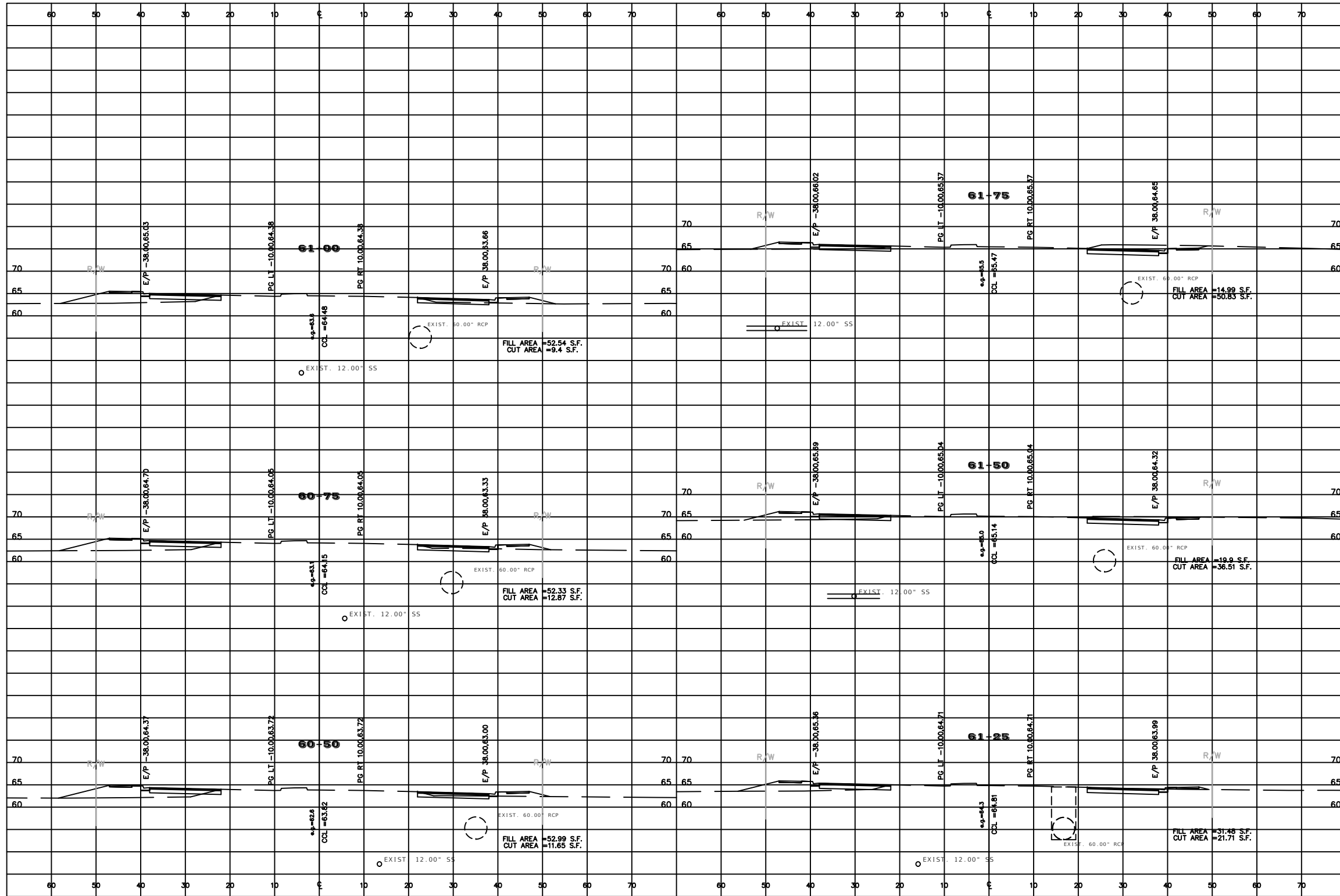
PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY CROSS-SECTIONS (4)

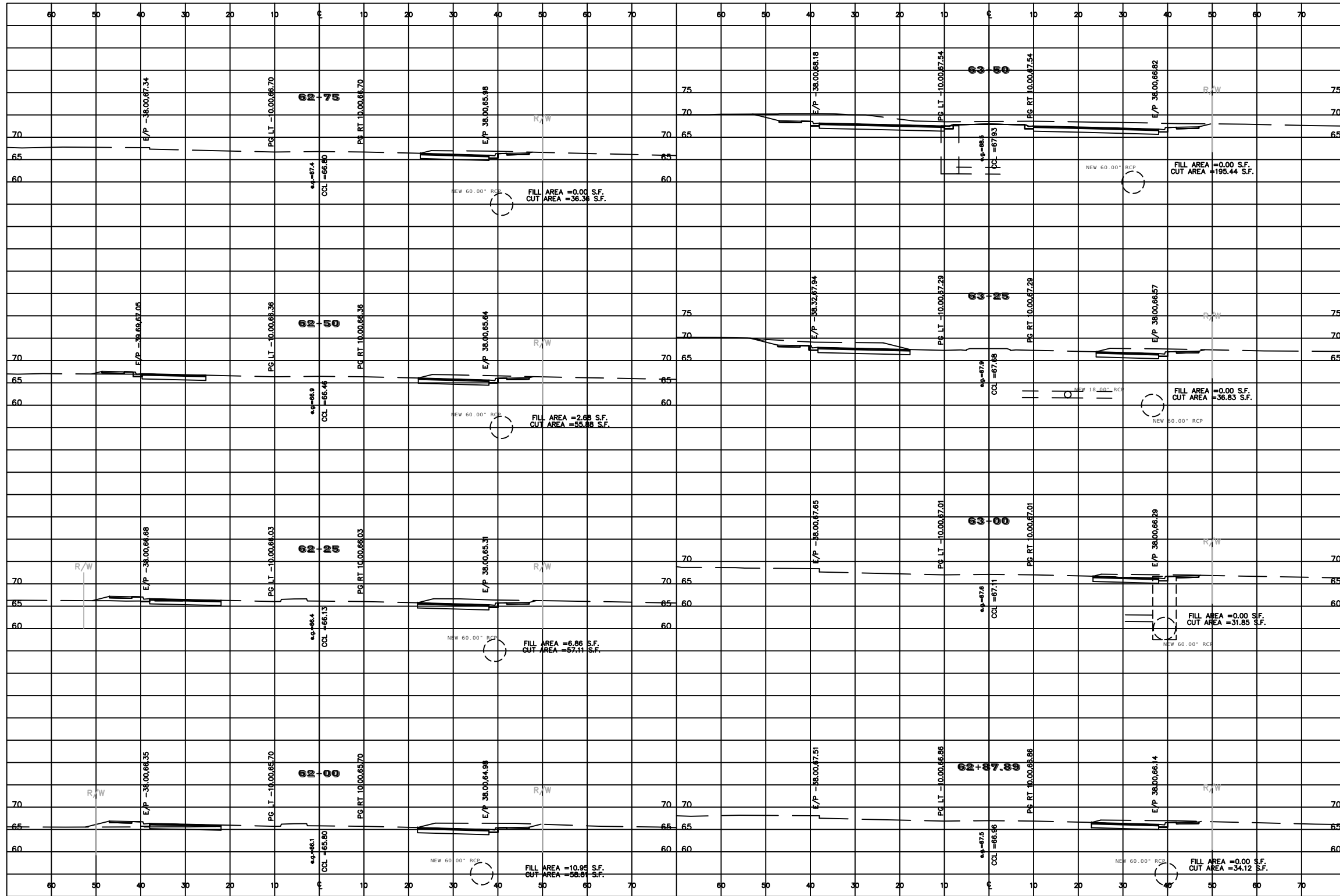
SHEET NO.
 61



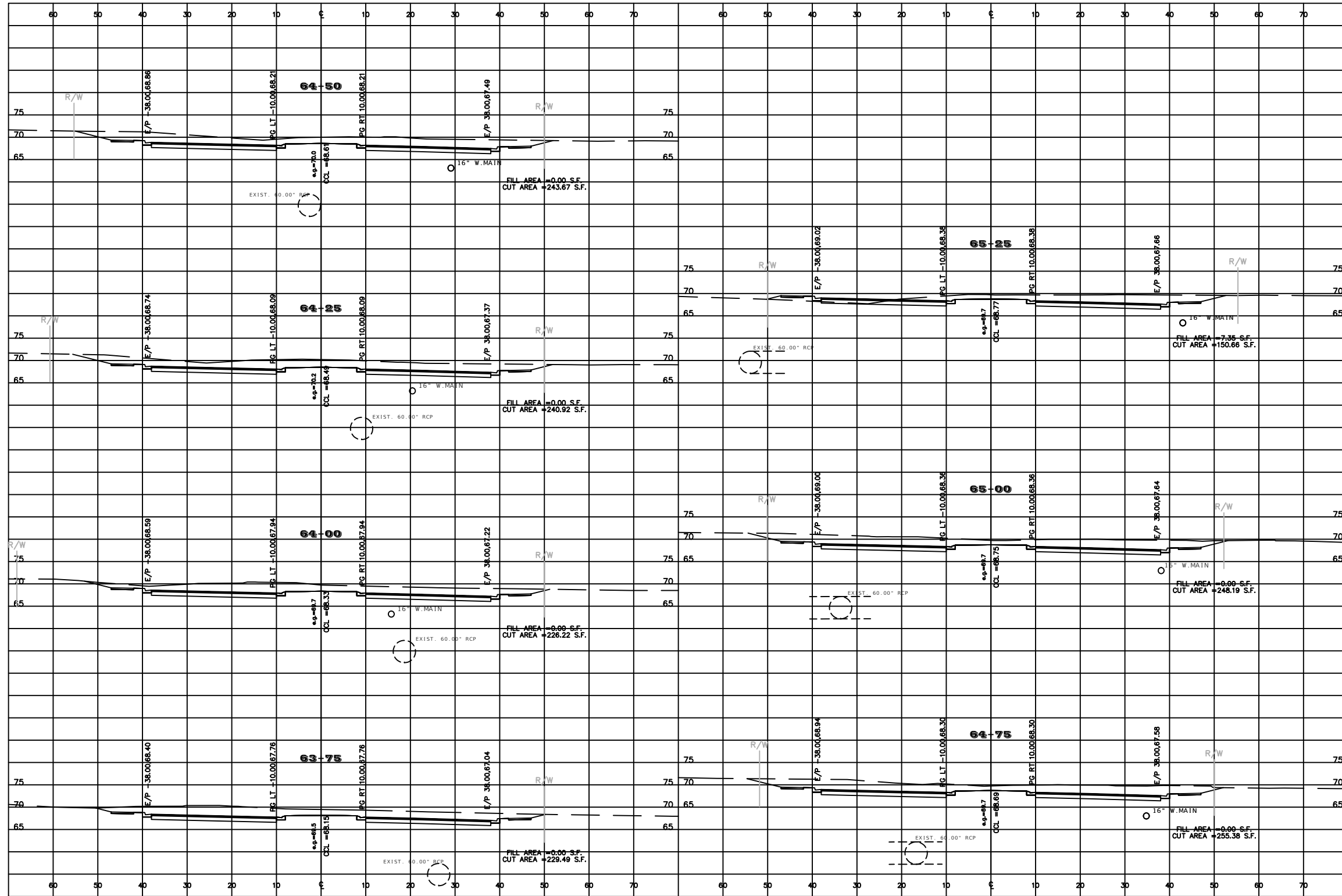
REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.		PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	<h1 style="text-align: center;">ROADWAY CROSS-SECTIONS (5)</h1>	SHEET NO. 62
DATE	DESCRIPTION	DATE	DESCRIPTION					
---	---	---	---					



REVISIONS				PREPARED BY 	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 63
DATE	DESCRIPTION	DATE	DESCRIPTION			
---	---	---	---	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	<h1 style="text-align: center;">ROADWAY CROSS-SECTIONS (6)</h1>	



REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 64
DATE	DESCRIPTION	DATE	DESCRIPTION				
---	---	---	---			ROADWAY CROSS-SECTIONS (7)	



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

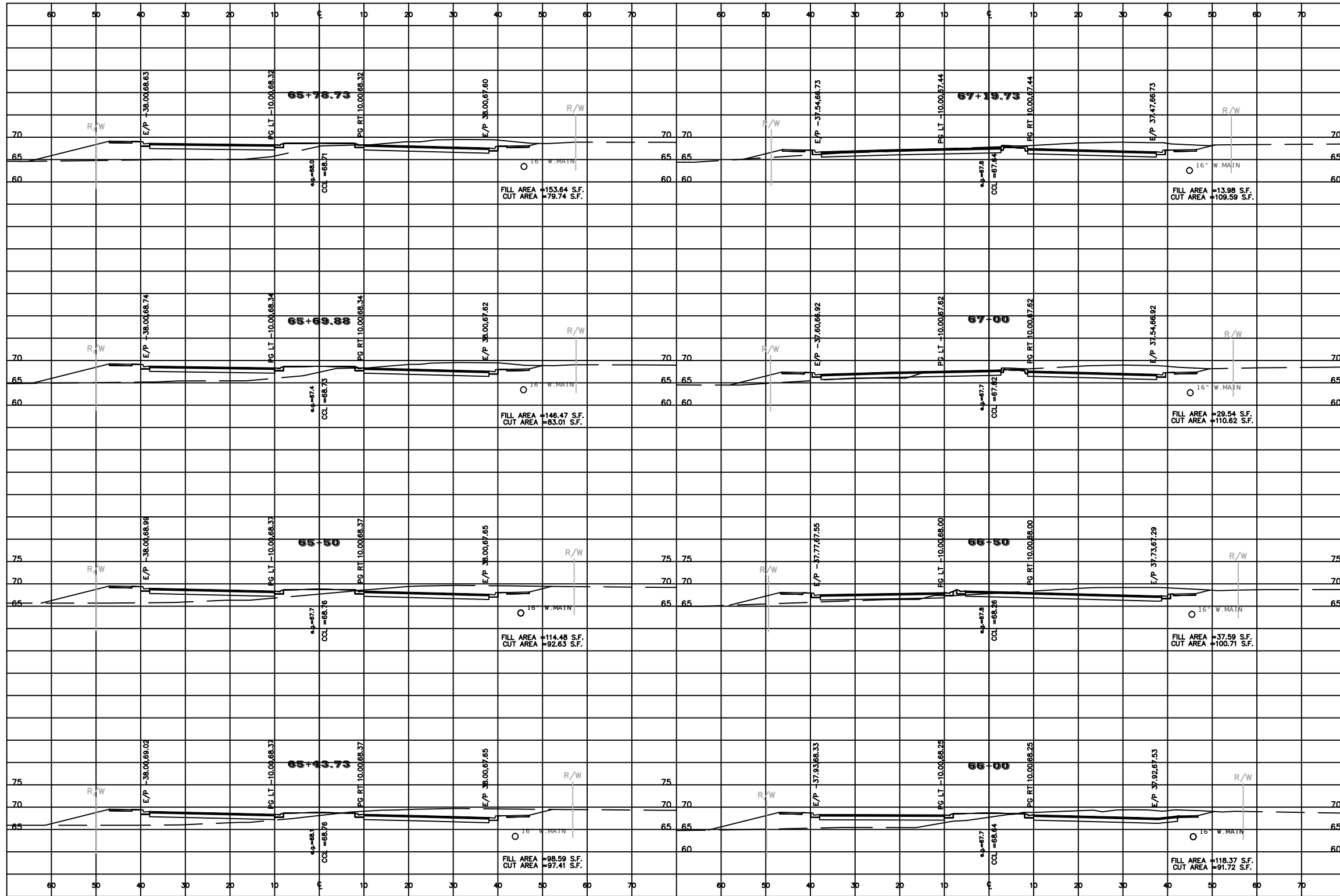
PREPARED BY



PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY CROSS-SECTIONS (8)

SHEET NO.
65



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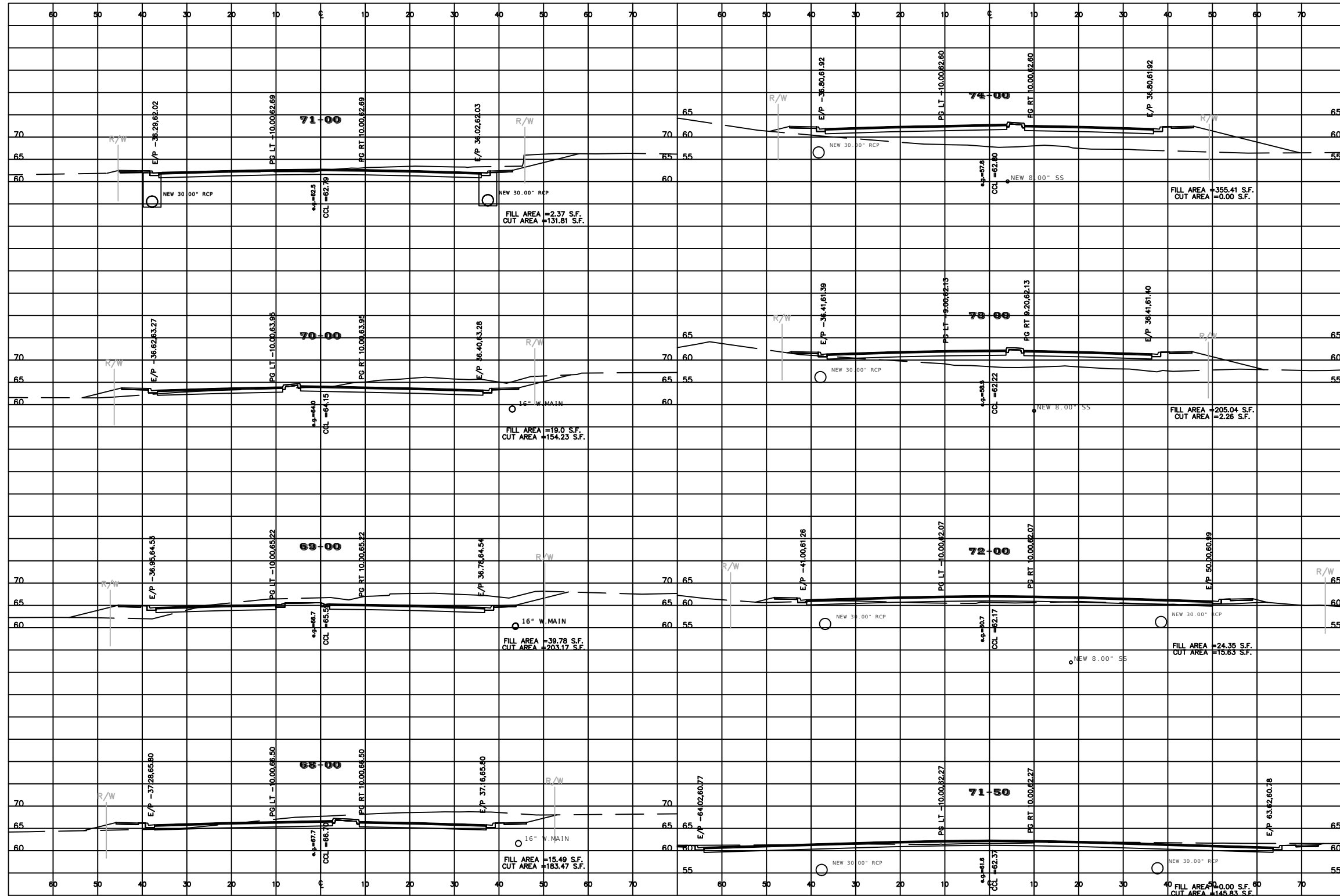
NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY CROSS-SECTIONS (9)

SHEET NO.
66



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

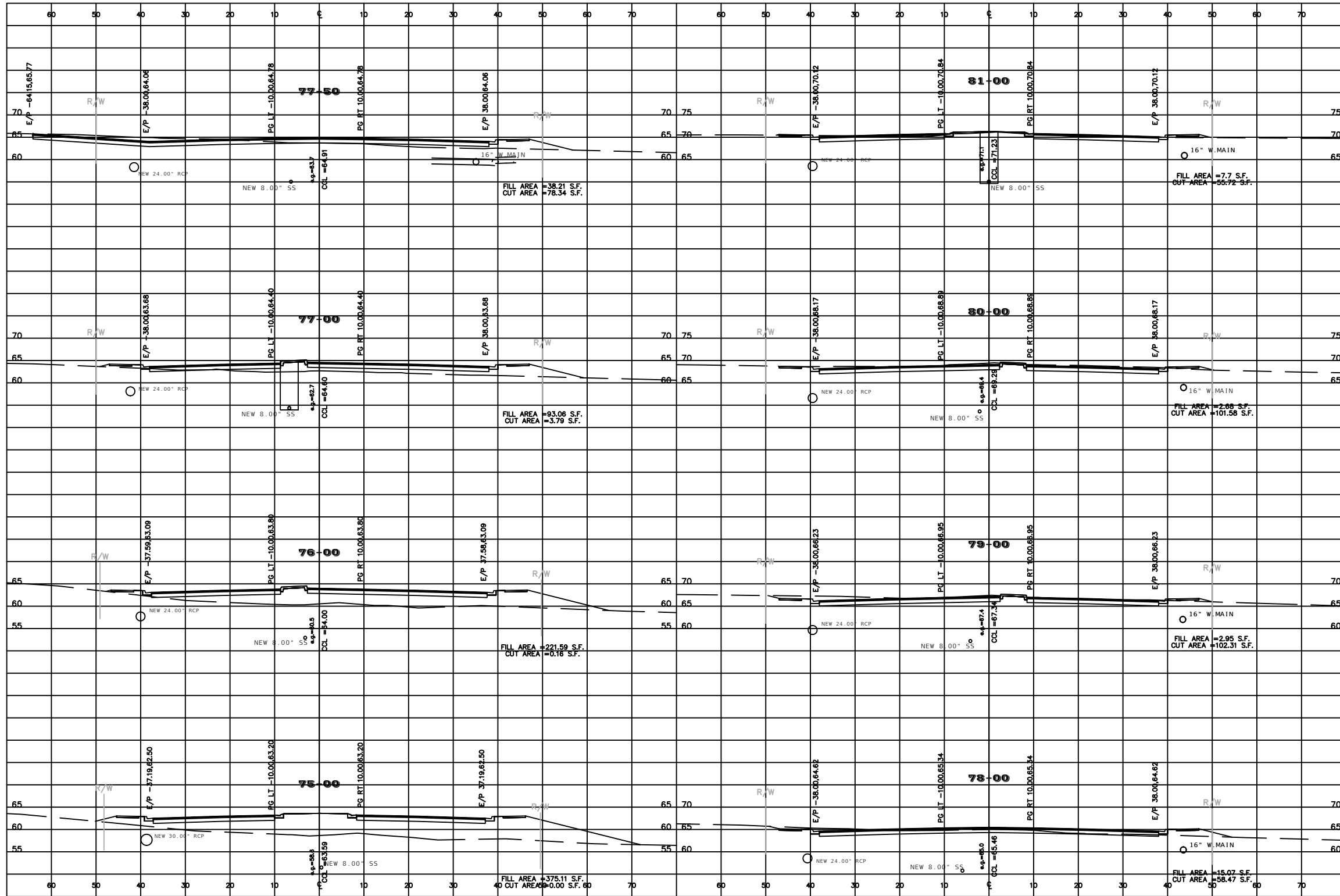
PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY CROSS-SECTIONS (10)

SHEET NO.
67



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

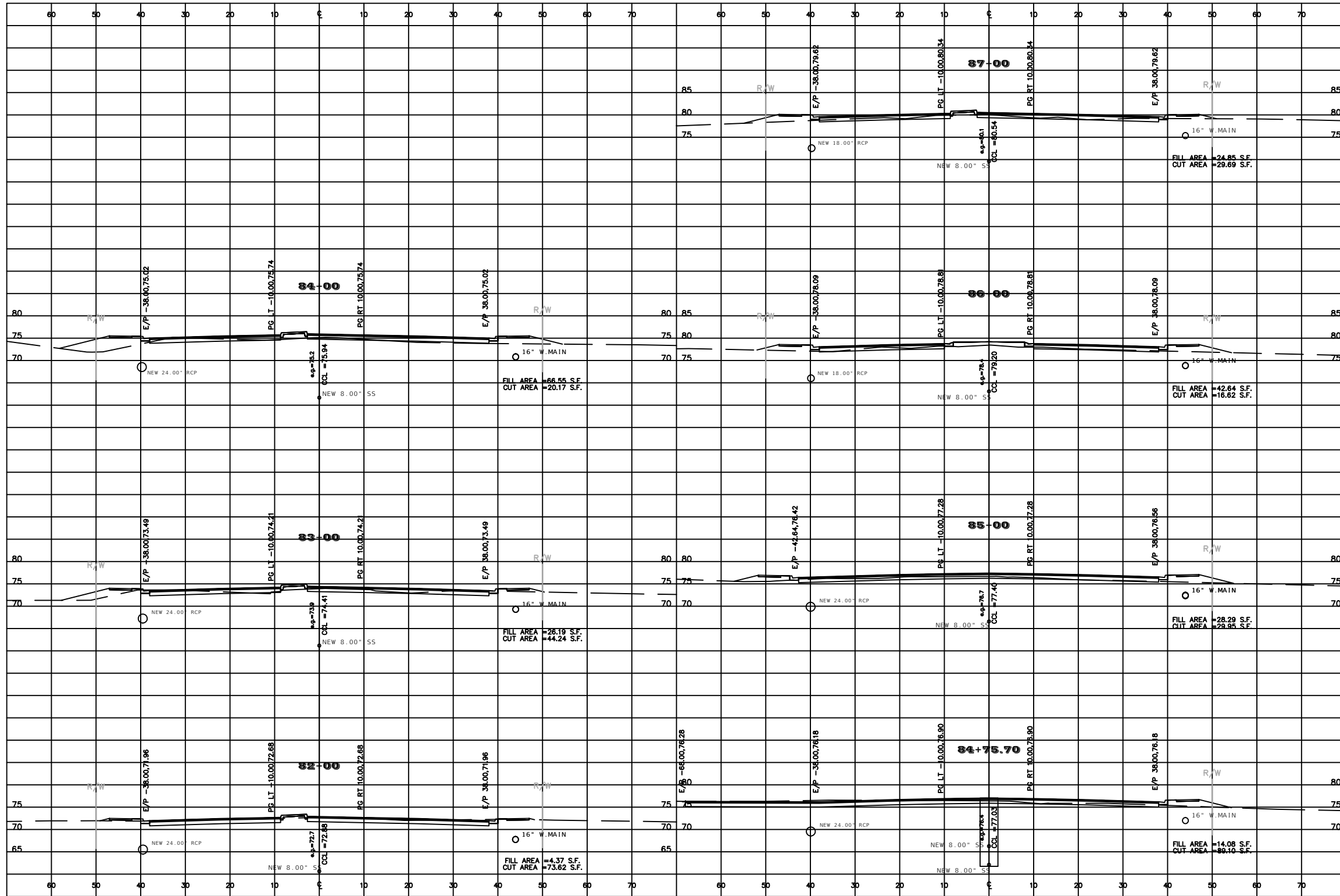
PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY CROSS-SECTIONS (11)

SHEET NO.
68



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

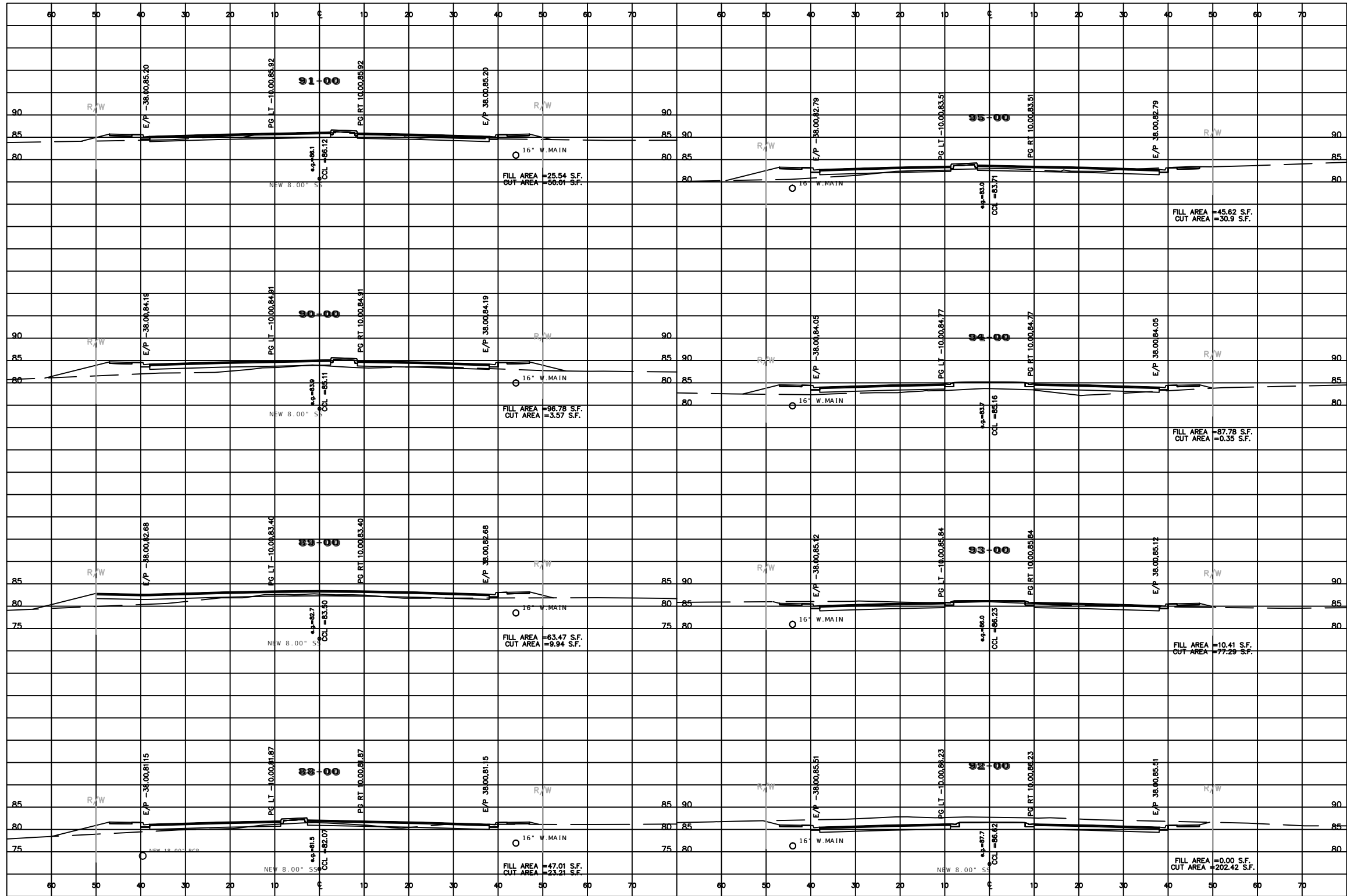
PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

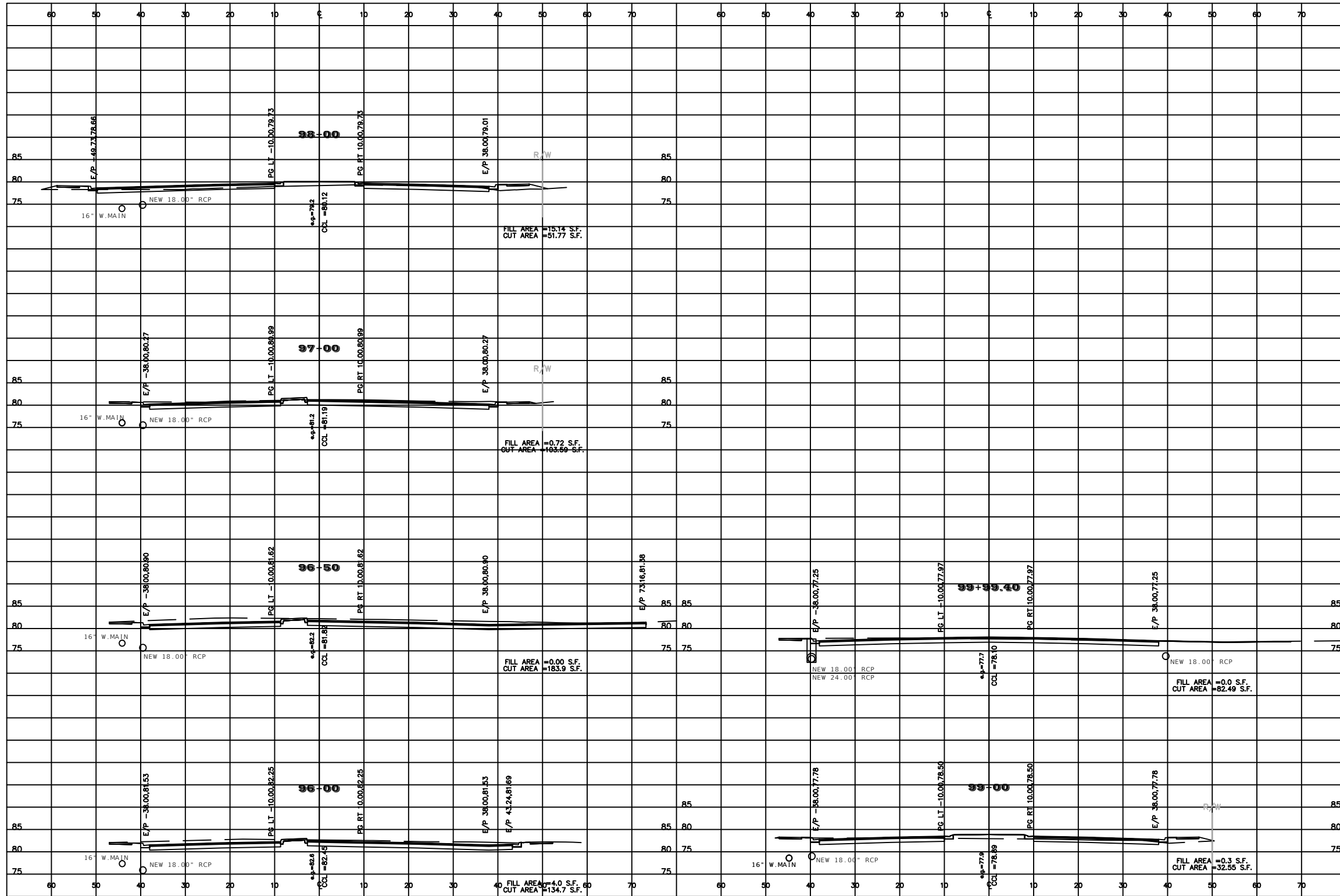
PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY CROSS-SECTIONS (12)

SHEET NO.
69



REVISIONS				PREPARED BY 	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 70
DATE	DESCRIPTION	DATE	DESCRIPTION			
---	---	---	---	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	ROADWAY CROSS-SECTIONS (13)	



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

PREPARED BY

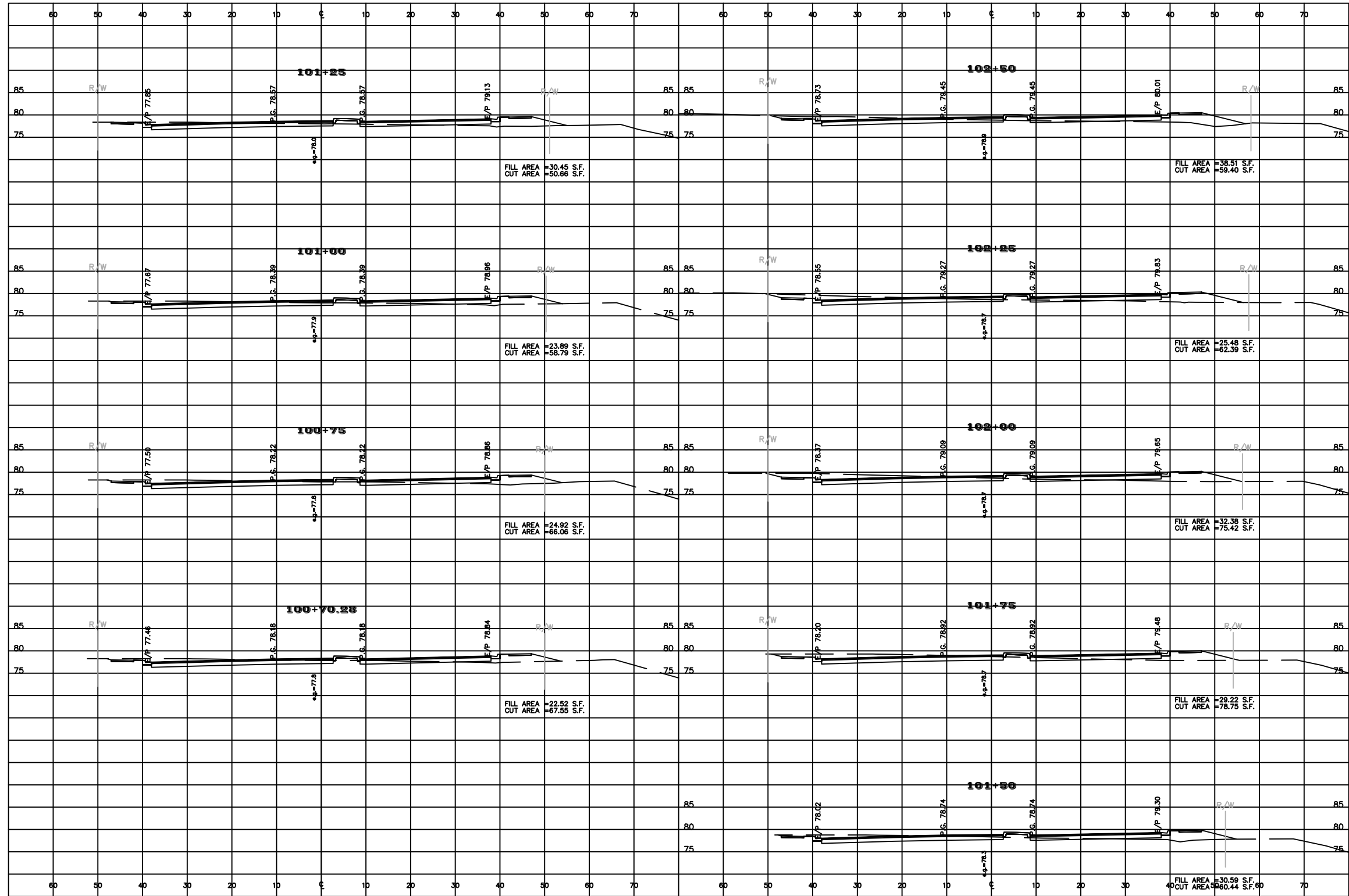


OCALA
CITY ENGINEER'S OFFICE

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY CROSS- SECTIONS (14)

SHEET NO.
71



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

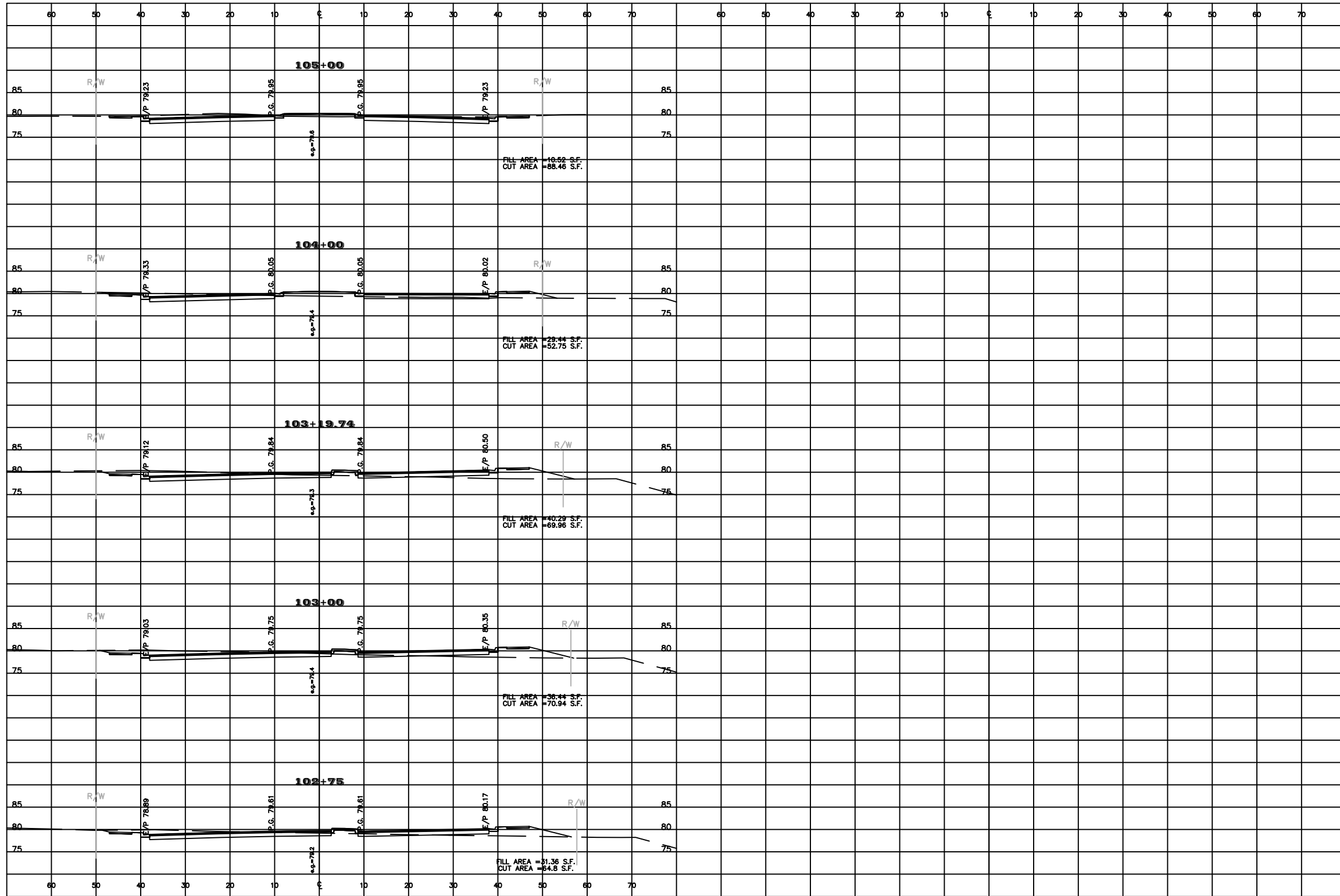
PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

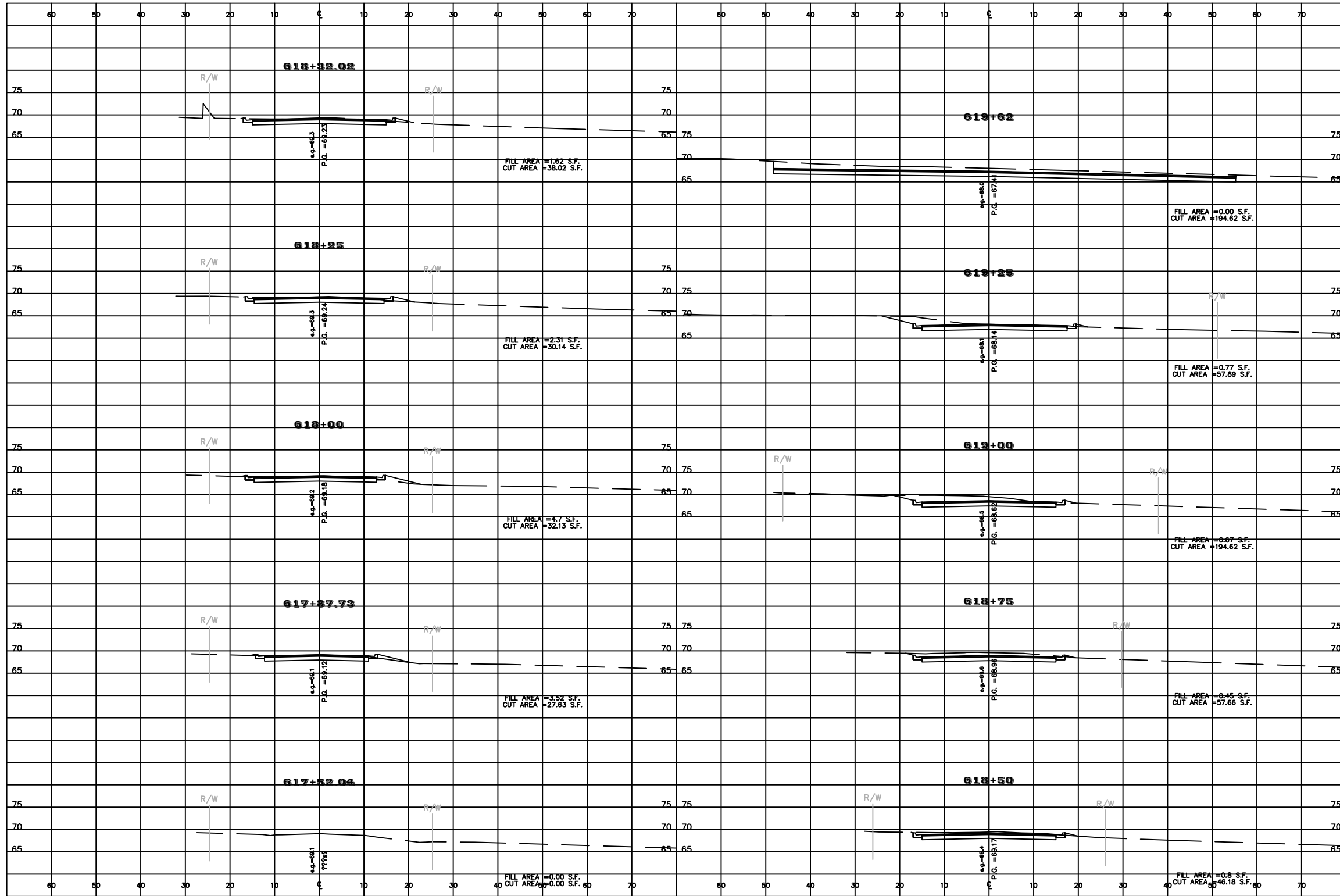
PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

ROADWAY CROSS-SECTIONS (15)

SHEET NO.
72



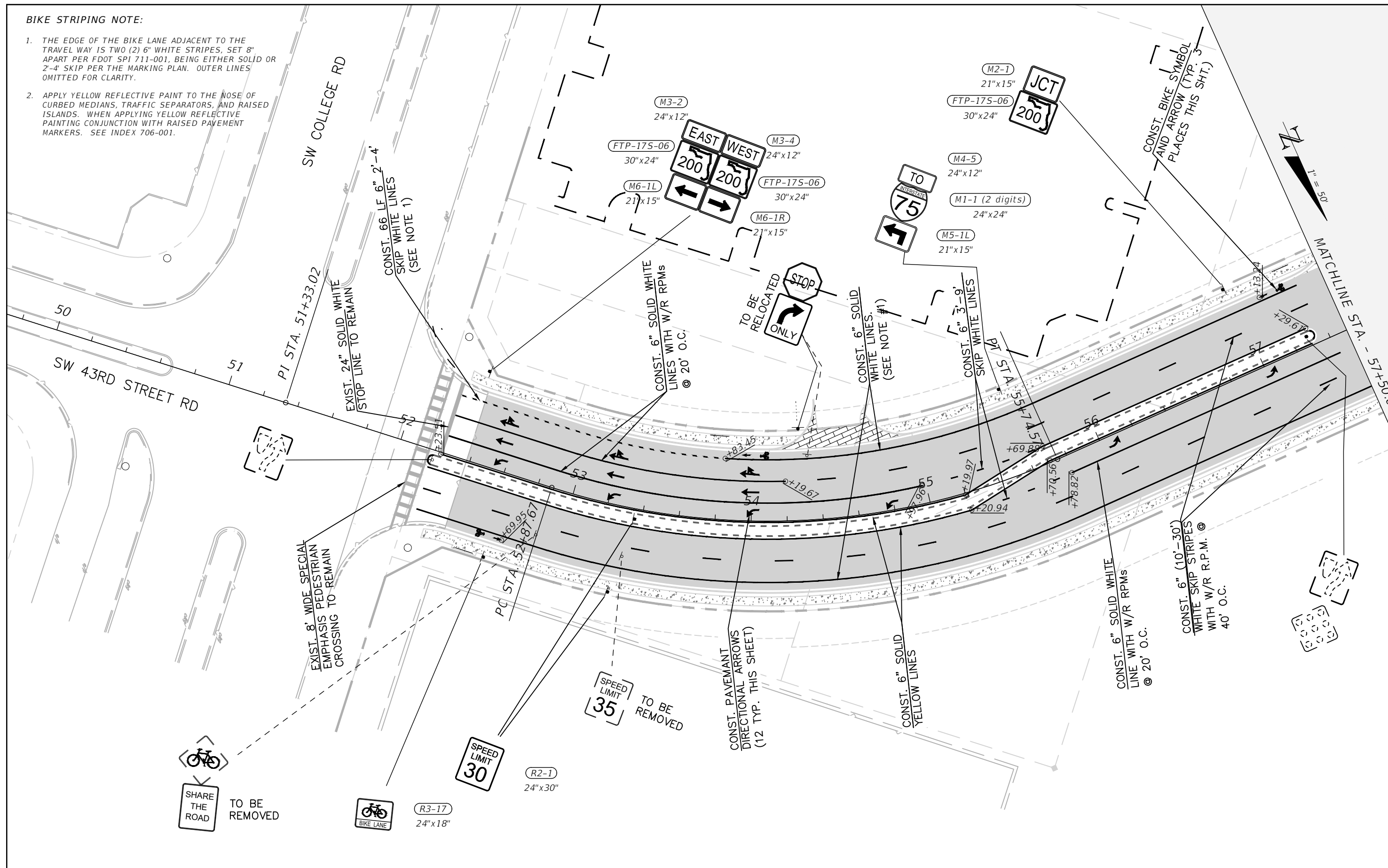
REVISIONS				PREPARED BY OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 73
DATE	DESCRIPTION	DATE	DESCRIPTION			
---	---	---	---	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	ROADWAY CROSS- SECTIONS (16)	



REVISIONS				PREPARED BY OCALA CITY ENGINEER'S OFFICE	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 74
DATE	DESCRIPTION	DATE	DESCRIPTION			
---	---	---	---	NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	ROADWAY CROSS-SECTIONS - SW 43RD CT	

BIKE STRIPING NOTE:

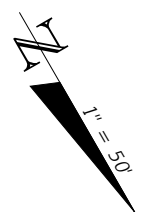
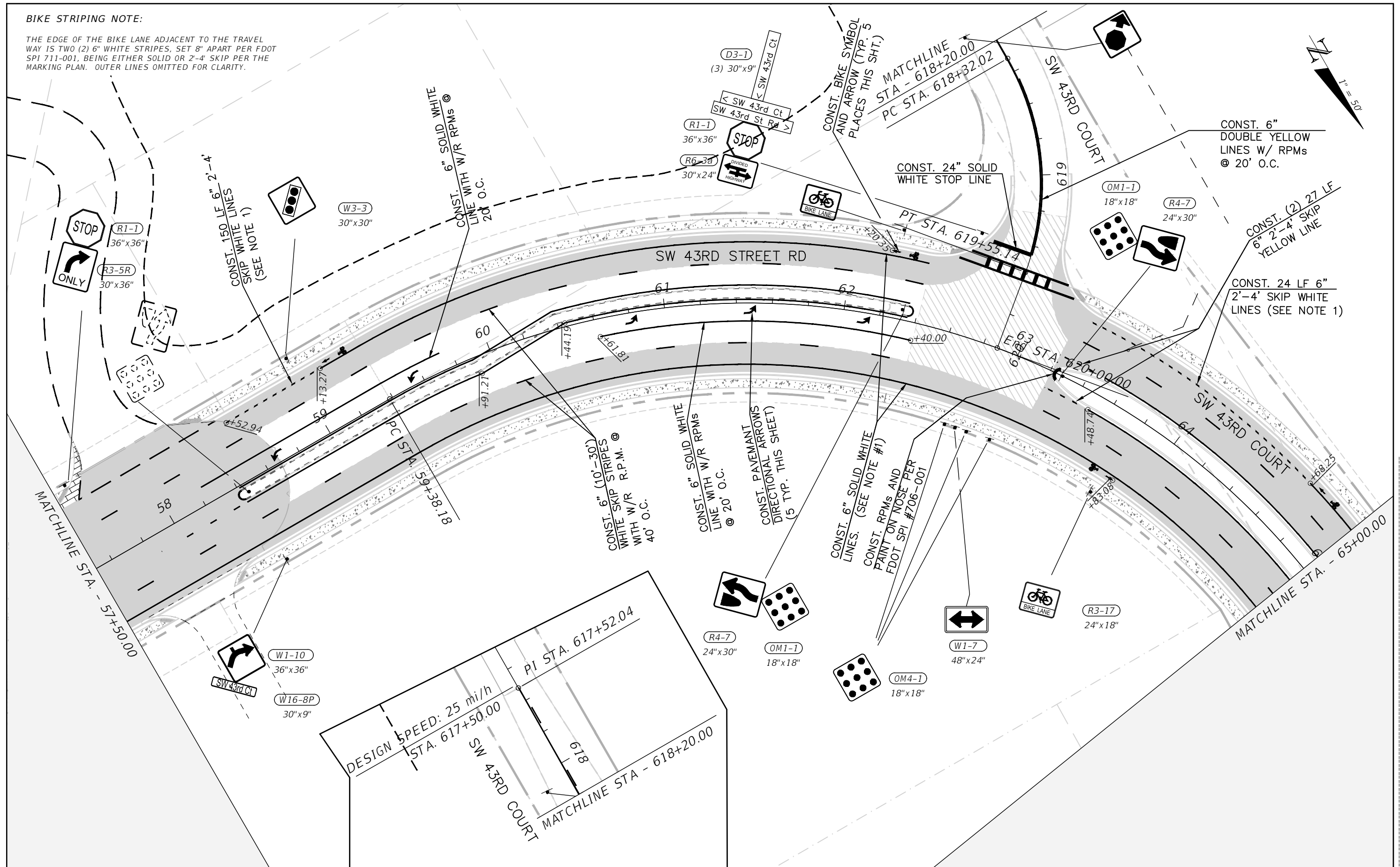
1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4" SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.
2. APPLY YELLOW REFLECTIVE PAINT TO THE NOSE OF CURBED MEDIANS, TRAFFIC SEPARATORS, AND RAISED ISLANDS. WHEN APPLYING YELLOW REFLECTIVE PAINTING CONJUNCTION WITH RAISED PAVEMENT MARKERS. SEE INDEX 706-001.



REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY 	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO. 75
DATE	DESCRIPTION	DATE	DESCRIPTION				

BIKE STRIPING NOTE:

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.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

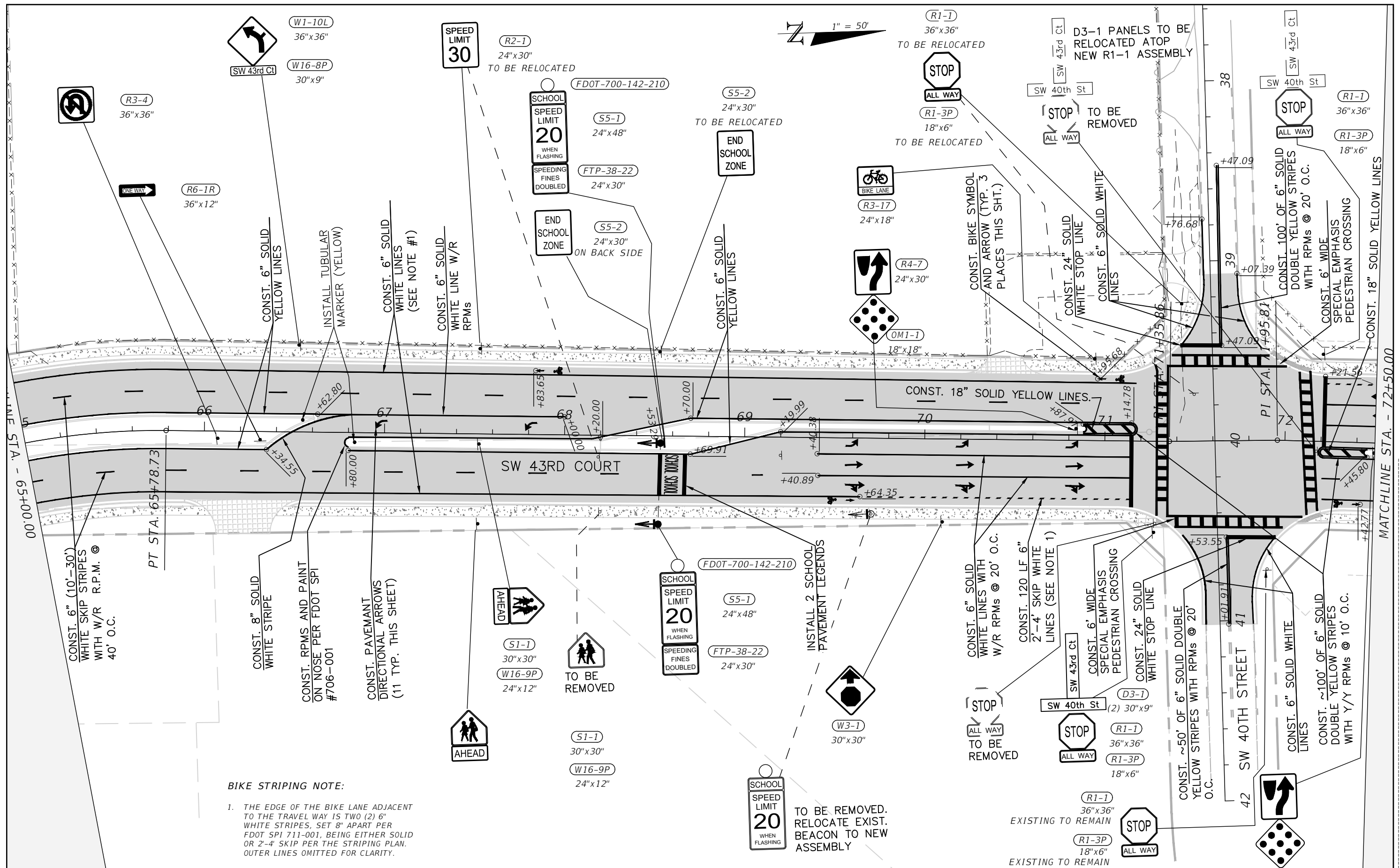
PREPARED BY

Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

SIGNAGE AND STRIPING (2)

SHEET NO.
76



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 STRIPING PLAN. OUTER LINES OMITTED FOR CLARITY.

REVISIONS	
DATE	DESCRIPTION

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

PREPARED BY

Gary Anson

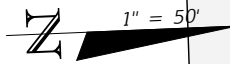
PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

SIGNAGE AND STRIPING (3)

SHEET NO.
77

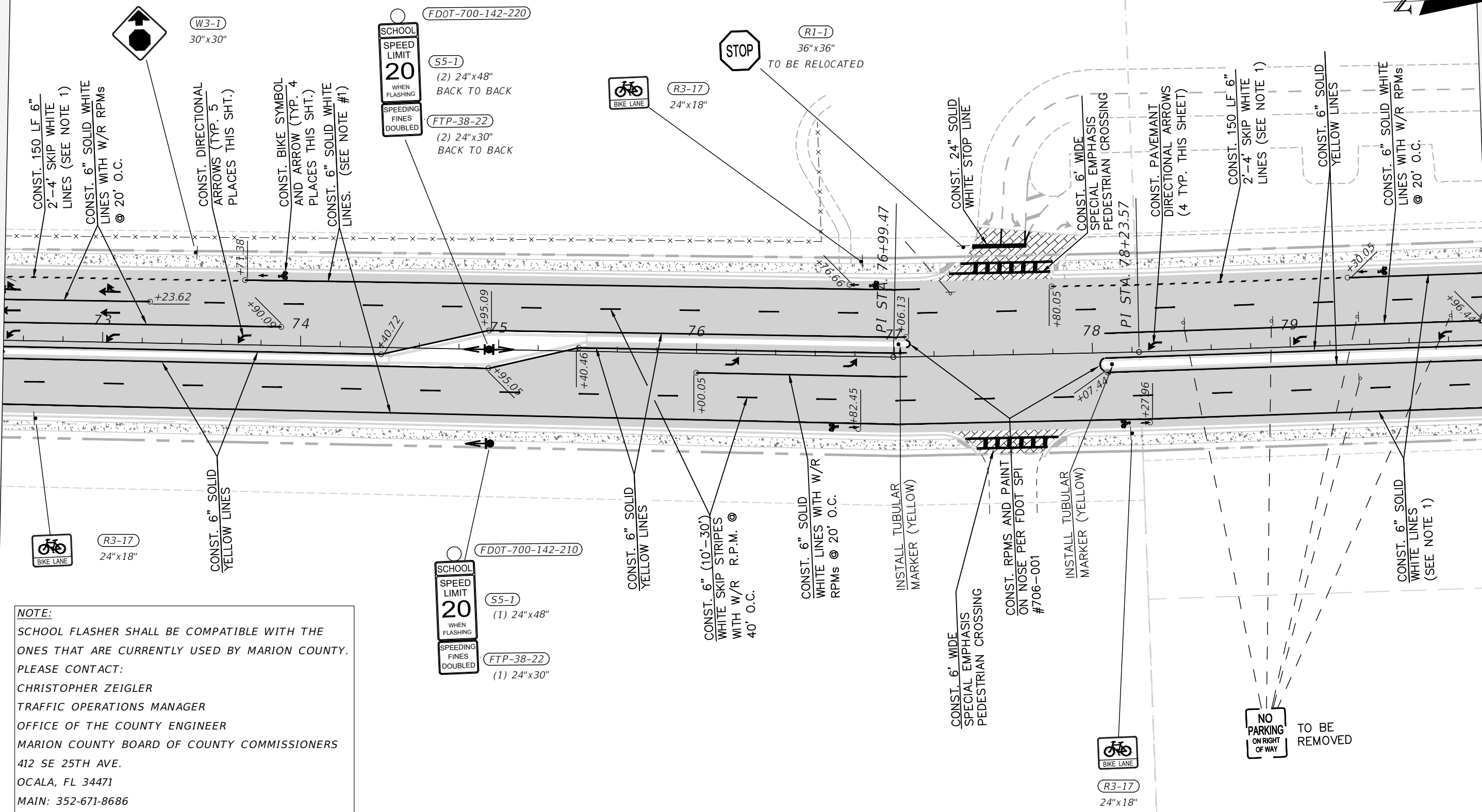
BIKE STRIPING NOTE:

- 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. - 72+50.00

MATCHLINE STA. - 80+00.00



NOTE:
 SCHOOL FLASHER SHALL BE COMPATIBLE WITH THE ONES THAT ARE CURRENTLY USED BY MARION COUNTY. PLEASE CONTACT:
 CHRISTOPHER ZEIGLER
 TRAFFIC OPERATIONS MANAGER
 OFFICE OF THE COUNTY ENGINEER
 MARION COUNTY BOARD OF COUNTY COMMISSIONERS
 412 SE 25TH AVE.
 OCALA, FL 34471
 MAIN: 352-671-8686

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

 Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)
SIGNAGE AND STRIPING (4)

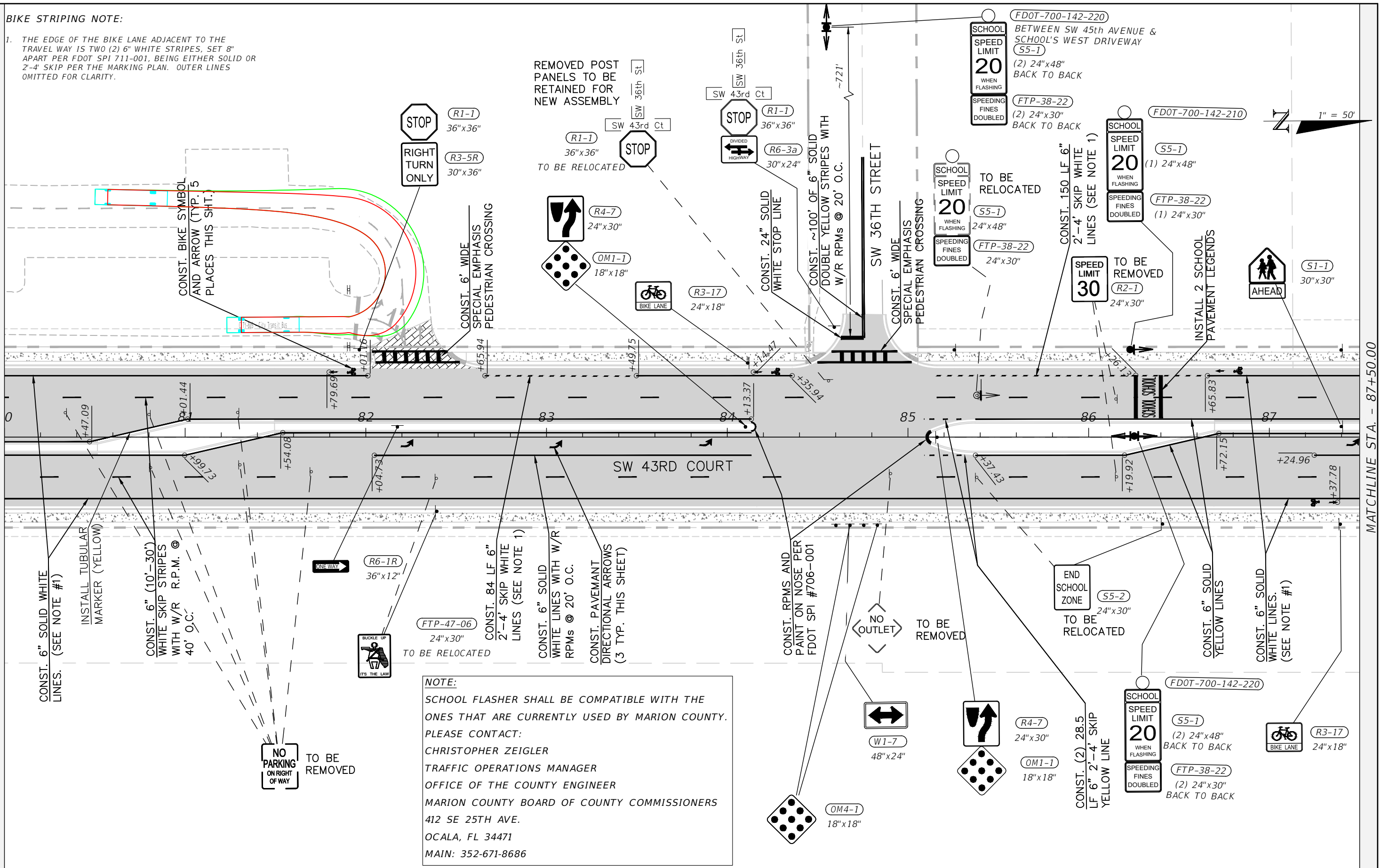
SHEET NO.
 78

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. - 80+00.00

MATCHLINE STA. - 87+50.00



NOTE:
 SCHOOL FLASHER SHALL BE COMPATIBLE WITH THE ONES THAT ARE CURRENTLY USED BY MARION COUNTY. PLEASE CONTACT:
 CHRISTOPHER ZEIGLER
 TRAFFIC OPERATIONS MANAGER
 OFFICE OF THE COUNTY ENGINEER
 MARION COUNTY BOARD OF COUNTY COMMISSIONERS
 412 SE 25TH AVE.
 OCALA, FL 34471
 MAIN: 352-671-8686

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

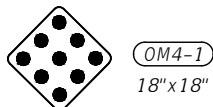
 Gary Anson

PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)
SIGNAGE AND STRIPING (5)

SHEET NO.
 79



TO BE REMOVED



INSTALL TUBULAR MARKER (YELLOW)

CONST. 6' WIDE SPECIAL EMPHASIS PEDESTRIAN CROSSING

INSTALL TUBULAR MARKER (YELLOW)

CONST. 150 LF 6" 2'-4' SKIP WHITE LINES (SEE NOTE 1)

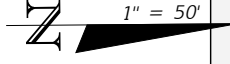
CONST. 6" SOLID WHITE LINES WITH W/R RPMS @ 20' O.C.

CONST. 6" SOLID YELLOW LINES

CONST. BIKE SYMBOL AND ARROW (TYP. 3 PLACES THIS SHT.)

CONST. 6" (10'-30') WHITE SKIP STRIPES WITH W/R R.P.M. @ 40' O.C.

CONST. 6" SOLID YELLOW LINES



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. - 87+50.00

MATCHLINE STA. - 95+00.00

CONST. 6" SOLID WHITE LINES WITH W/R RPMS @ 20' O.C.

CONST. 6" SOLID YELLOW LINES

CONST. DIRECTIONAL ARROW

CONST. RPMS AND PAINT ON NOSE PER FDOT SPI #706-001

CONST. 6" SOLID WHITE LINES. (SEE NOTE #1)

CONST. 150 LF 6" 2'-4' SKIP WHITE LINES (SEE NOTE 1)

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

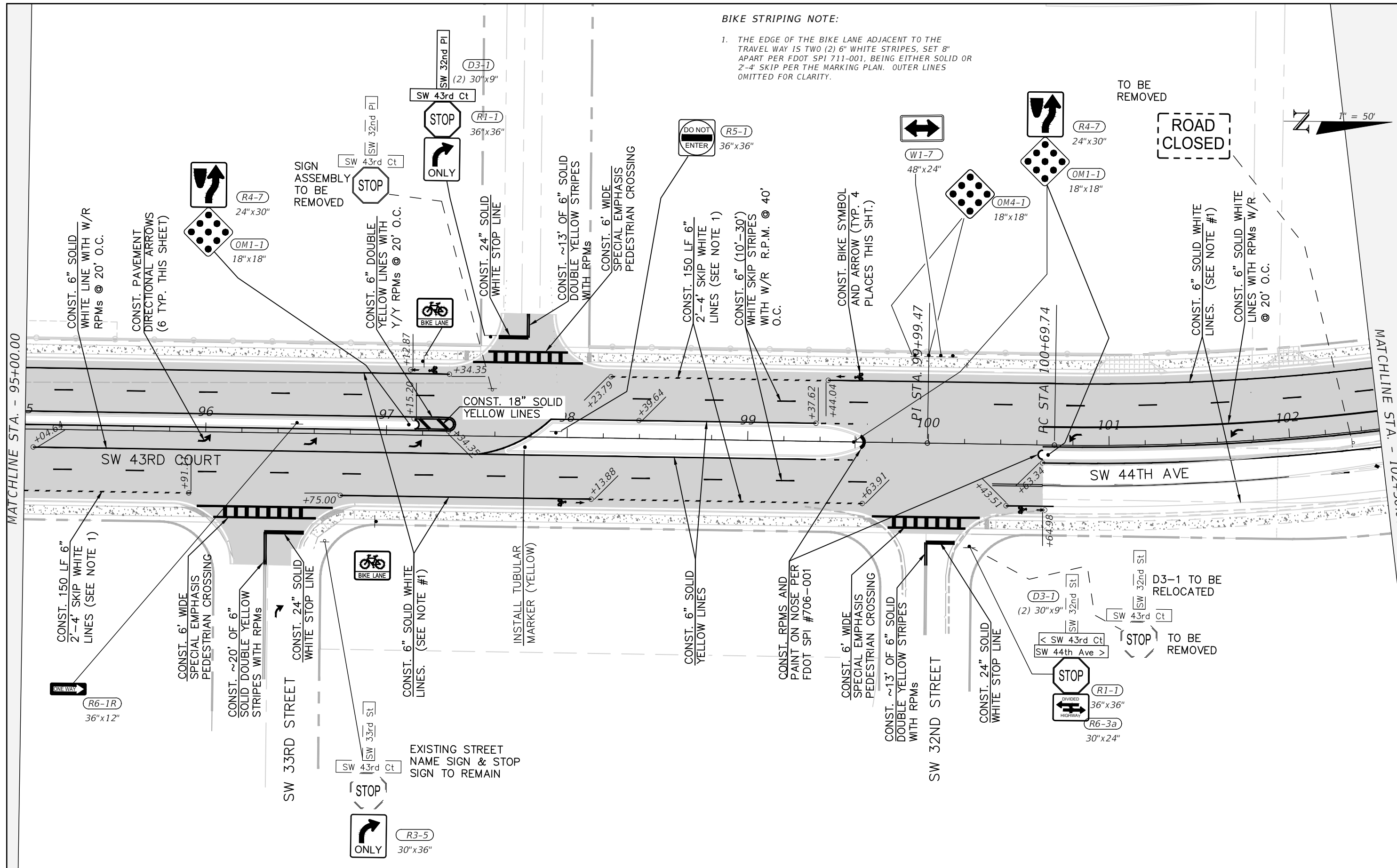
PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

SIGNAGE AND STRIPING (6)

SHEET NO.
80

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. - 95+00.00

MATCHLINE STA. - 102+00.00

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

Gary Anson

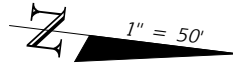
PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)

SIGNAGE AND STRIPING (7)

SHEET NO.
81

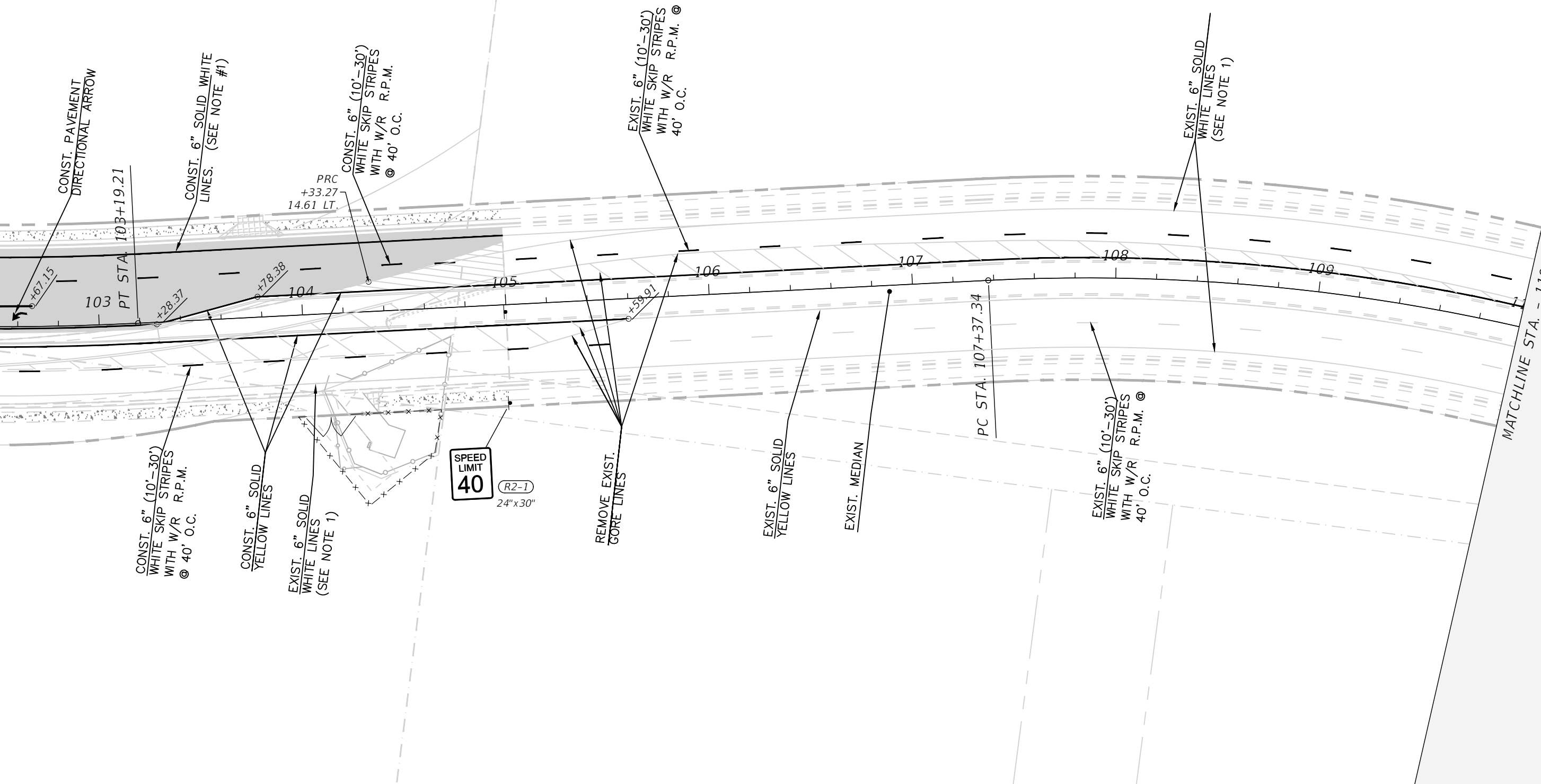
BIKE STRIPING NOTE:

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. - 102+50.00

MATCHLINE STA. - 110+00.00



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

Gary Anson

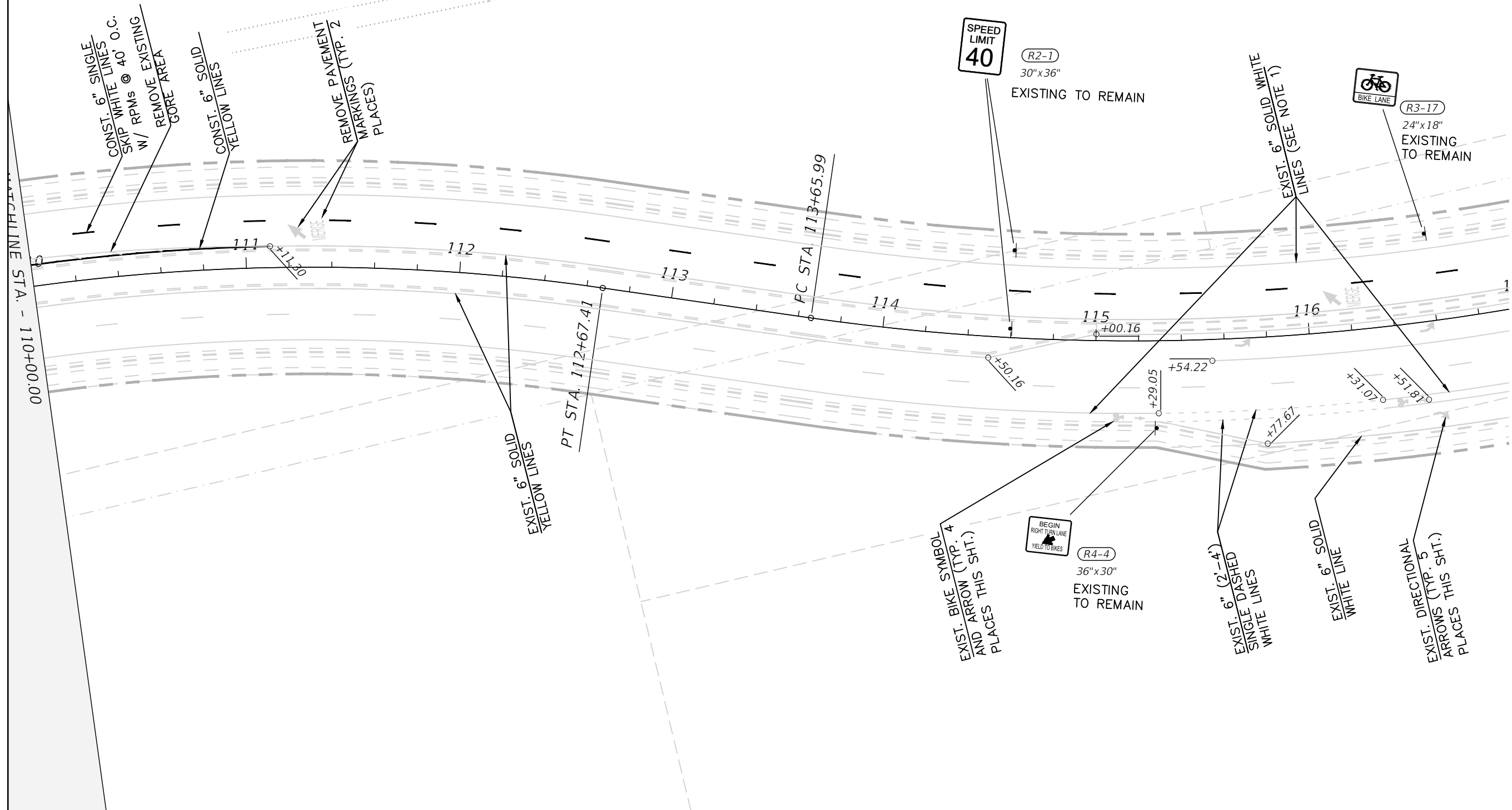
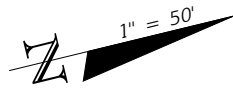
SW 44th AVENUE

SIGNAGE AND STRIPING (7A)

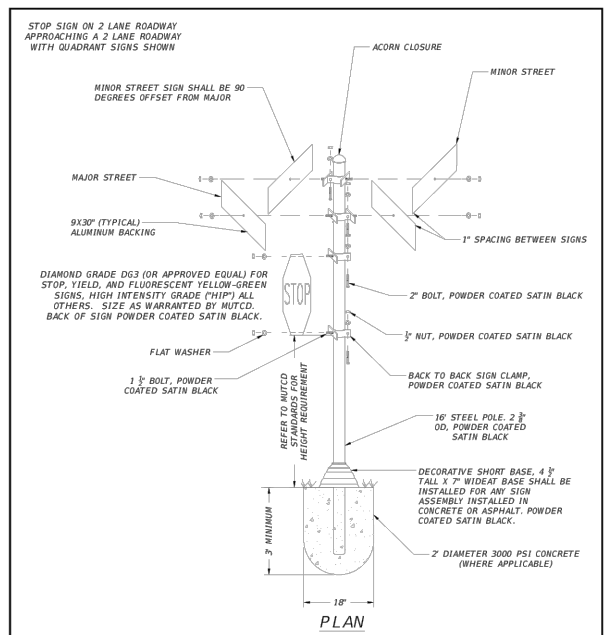
SHEET NO.
82

BIKE STRIPING NOTE:

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.



REVISIONS				NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.	PREPARED BY OCALA CITY ENGINEER'S OFFICE	SW 44th AVENUE SIGNAGE AND STRIPING (8)	SHEET NO. 83
DATE	DESCRIPTION	DATE	DESCRIPTION				
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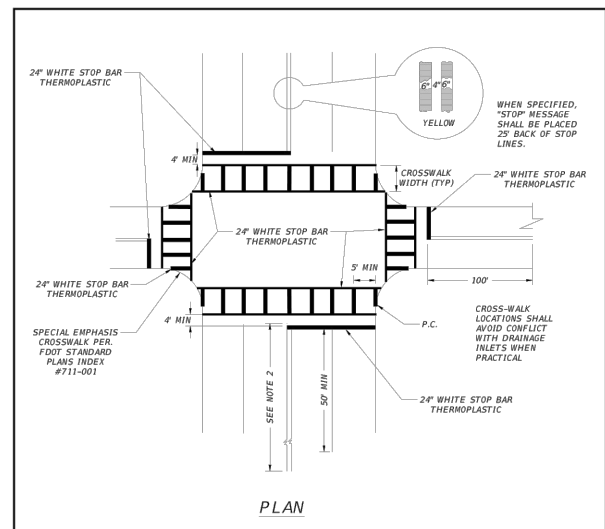


HISTORIC / DECORATIVE SIGN POST

CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION

SECTION: TRANSPORTATION T-6

REVISION DATE: DEC. 2021

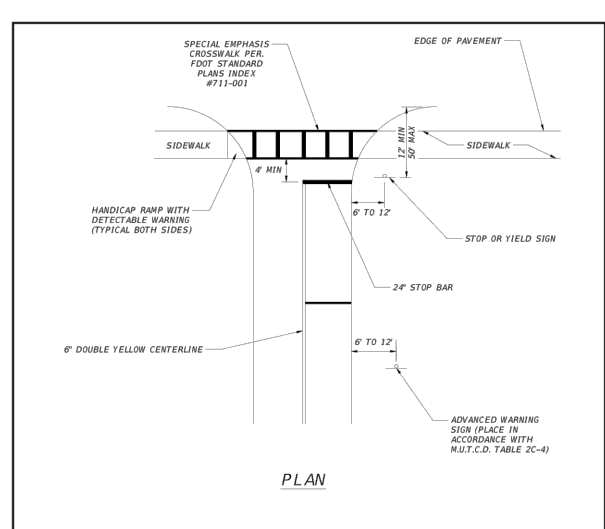


FOUR-WAY INTERSECTION PAVEMENT MARKINGS

CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION

SECTION: TRANSPORTATION T-9

REVISION DATE: DEC. 2021

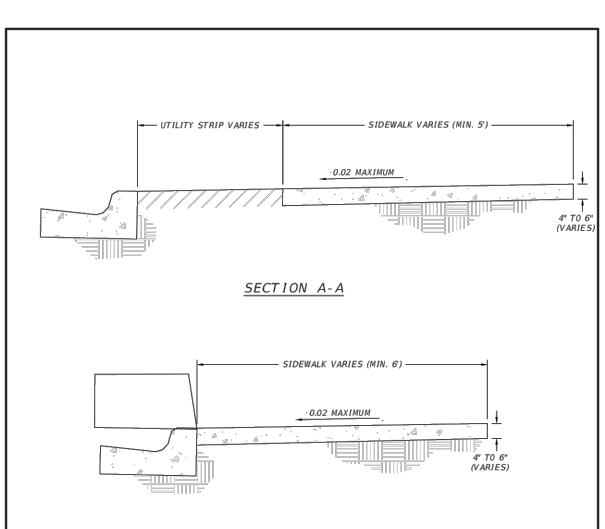


T-INTERSECTION PAVEMENT MARKINGS

CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION

SECTION: TRANSPORTATION T-10

REVISION DATE: DEC. 2021

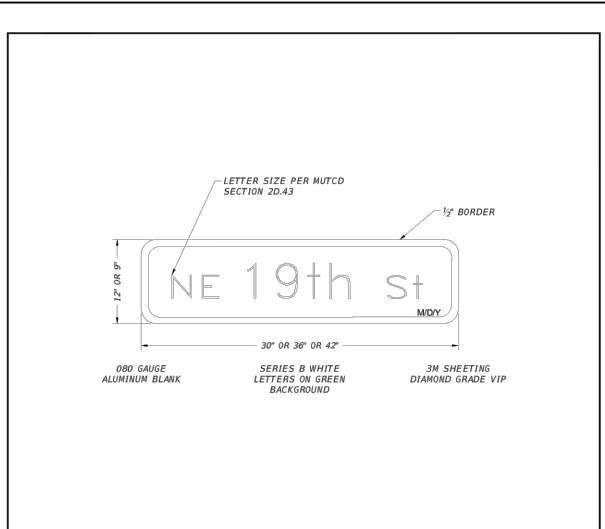


TYPICAL CONCRETE SIDEWALK

CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION

SECTION: TRANSPORTATION T-16

REVISION DATE: DEC. 2021

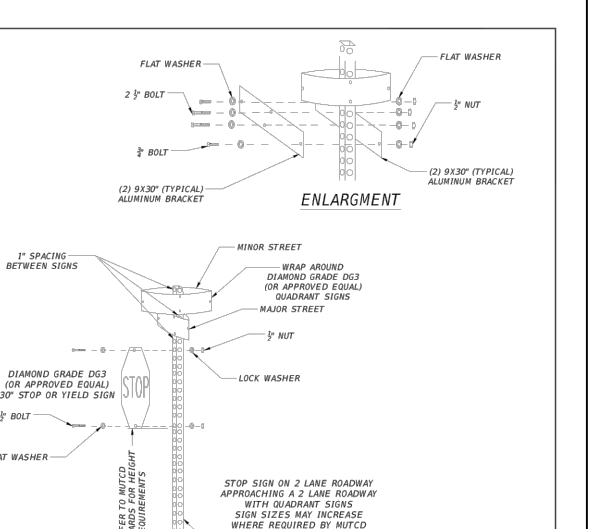


STREET NAME QUADRANT SIGN

CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION

SECTION: TRANSPORTATION T-3

REVISION DATE: DEC. 2021

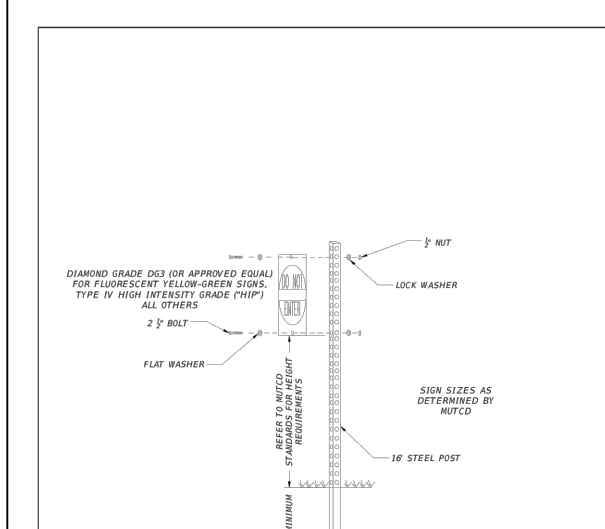


STREET NAME SIGN AND POST

CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION

SECTION: TRANSPORTATION T-5A

REVISION DATE: DEC. 2021



STANDARD SIGN AND POST

CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION

SECTION: TRANSPORTATION T-5B

REVISION DATE: DEC. 2021

REVISIONS				PREPARED BY	PROJECT NAME: SW 44TH AVENUE WIDENING (SR 200-SW 32 ST)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
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NOEL JOHN COOPER, P.E. P.E. LICENSE NUMBER 69534 STATE OF FLORIDA, DATE: _____ VALID ONLY WITH EMBOSSED SEAL.						