

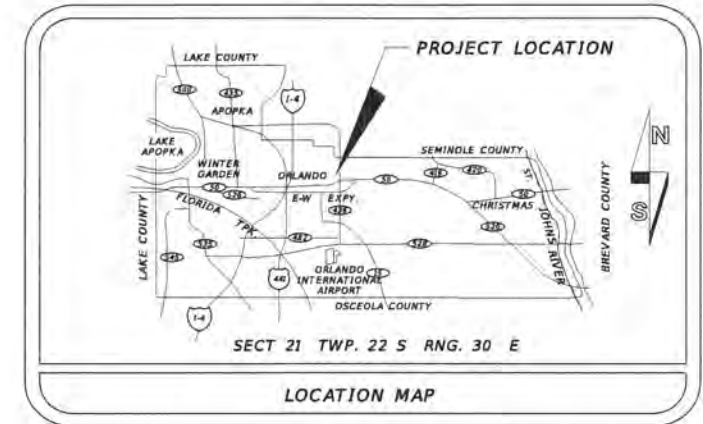


TERESA JACOBS, COUNTY MAYOR

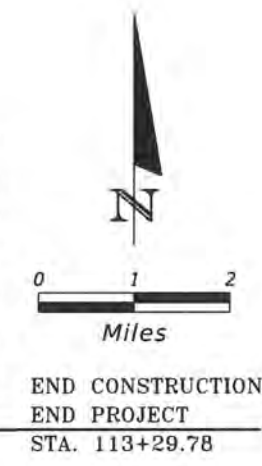
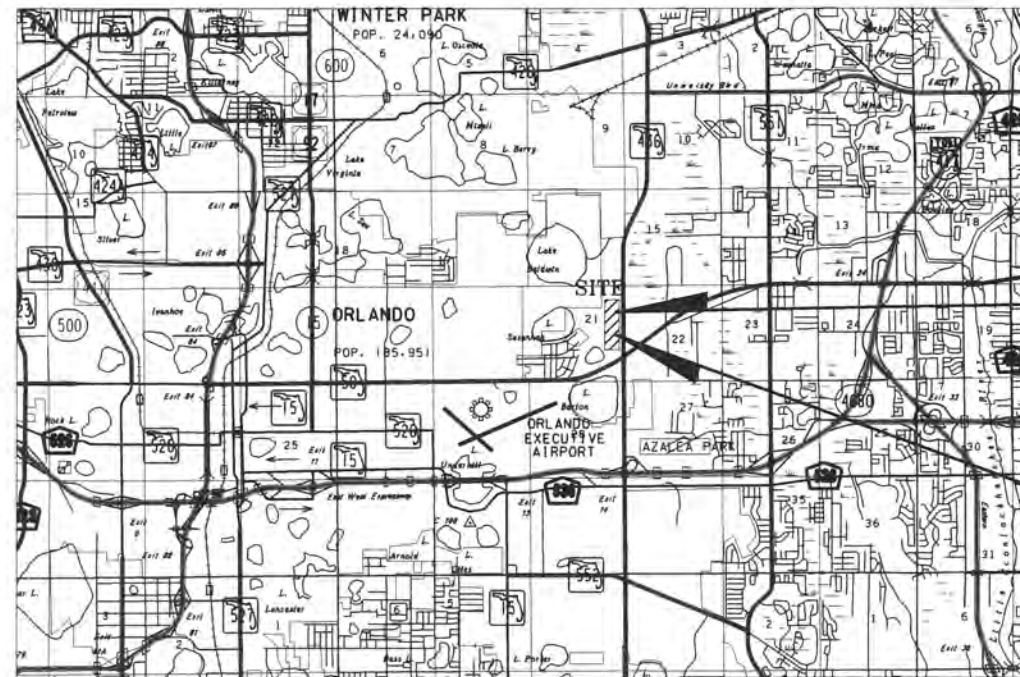
BOARD OF COUNTY COMMISSIONERS

- |                       |                       |
|-----------------------|-----------------------|
| BETSY VANDERLEY       | DISTRICT 1            |
| BRYAN NELSON          | DISTRICT 2            |
| PETE CLARKE           | DISTRICT 3            |
| JENNIFER THOMPSON     | DISTRICT 4            |
| <b>EMILY BONILLA</b>  | <b>DISTRICT 5</b>     |
| VICTORIA P. SIPLIN    | DISTRICT 6            |
| MARK V. MASSARO, P.E. | PUBLIC WORKS DIRECTOR |

# CONSTRUCTION PLANS FOR MOSELLE AVE. - SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST. ORANGE COUNTY CIP NO. 2841-671 DISTRICT NO. 5 ORANGE COUNTY, FLORIDA



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BEGIN PROJECT  
BEGIN CONSTRUCTION  
STA. 100+75.79

T-22-S  
T-23-S

UTILITIES ENCOUNTERED	
COMPANY NAME	TELEPHONE NO.
AT&T - DISTRIBUTION	954-249-0558
CHARTER COMMUNICATIONS	407-532-8509
CITY OF ORLANDO - BUREAU OF WASTEWATER	407-246-3525
LEVEL 3 COMMUNICATIONS	877-366-8344 EXT. 2
FRONTIER COMMUNICATIONS	941-955-2908
ORANGE COUNTY UTILITIES (OCU)	407-254-9706
ORLANDO UTILITIES COMMISSION - ELECTRIC	407-434-2569

**FINAL SUBMITTAL  
NOVEMBER 29, 2017**

**ORANGE COUNTY BENCH MARKS USED**

**SITE BENCHMARK**  
THE SOURCE BENCHMARK USED IS BASED ON ORANGE COUNTY 88 DATUM - BENCHMARK S-1369-053 - RECOVERED 3" O.C. ALUMINUM DISC ON S. SIDE C/L OF 3'x4' CONCRETE DROP INLET 65' +/- N. OF C/L OF ASPHALT DRIVEWAY TO CITRUS GARDENS APARTMENTS. ELEVATION = 95.53'

**SITE BENCHMARK**  
BENCHMARK L-645-003 - RECOVERED 2.5 INCH ORANGE COUNTY DISC ON TOP OF CONCRETE CURB INLET E. SIDE OF S.R. 436/SEMORAN BLVD.; IN FRONT OF & CENTER OF ADDRESS 1287 SEMORAN BLVD. ELEVATION = 93.68'

**GOVERNING STANDARDS AND STANDARD SPECIFICATIONS :**  
FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM, DATED 2016 AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED JANUARY 2016 AS AMENDED BY CONTRACT DOCUMENTS.

LEGEND	
EXIST. EDGE OF PAVT.	CONCRETE RATE OF SUPERELEVATION
PROPOSED PAVEMENT	TELEPHONE POLE
RIGHT OF WAY LINE	OVERHEAD TELEPHONE
SEWER STORM INLET	BURIED POWER CABLE
SURVEY REFERENCE POINT	TELEPHONE DUCT
POINT OF INTERSECTION	LIGHT POLE
BASE LINE	GAS MAIN
CENTER LINE	SANITARY SEWER
PROPERTY LINE	FIRE HYDRANT
DELTA ANGLE	OVERHEAD CABLE TV
APPROXIMATE	CONCRETE MONUMENT
ROUND	IRON ROD
CURB	IRON PIPE
CURB & GUTTER	BUSH
BARBED WIRE FENCE	GATE POST
WATER METER	TRAFFIC SIGN
VALVE	MAIL BOX
WATER MAIN	STORM SEWER, SIZE & TYPE
RE-USE WATER MAIN	CATCH BASIN
COMBINATION POLE	CLEAN OUT
POWER POLE	EXIST. MANHOLE
GUY WIRE	CHAIN LINK FENCE
OVERHEAD POWER	FENCE GATE
BURIED TELEPHONE CABLE	OAK TREES
TELEPHONE PEDESTAL	EAR TREES
BURIED TV CABLE	PALM TREES
BENCHMARK	CAMPOR TREES
SOIL BORING	HEDGES
PALM TREE & SIZE	MAPLE TREE
SWALE FLOW LINE	
SIGNAL MAST ARM	
TRAFFIC SIGNAL CABLE	

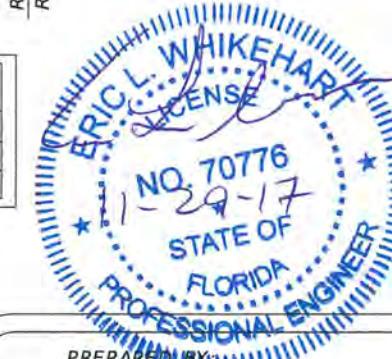
LENGTH OF SIDEWALK		
	LINEAR FEET	MILES
MOSELLE AVE.	1253.99	0.237

**NOTE :**  
PLANS WERE PREPARED ACCORDING TO AVAILABLE INFORMATION TO ADEQUATELY ADDRESS CONDITIONS AS THEY EXISTED AT THE TIME OF PLANS PREPARATION. NEEDS, CONDITIONS AND OWNERSHIP OF PROPERTIES MAY HAVE CHANGED SINCE PROJECT DESIGN. THE COUNTY'S REPRESENTATIVE WILL ADDRESS CHANGES AND NEEDS WITH THE PROPERTY OWNER OR THEIR REPRESENTATIVES. CONTRACTOR SHALL WORK WITH THE COUNTY'S REPRESENTATIVE IN ADDRESSING AND MEETING NEEDS AND CONDITIONS THAT MAY CHANGE SINCE PLANS PREPARATION.

**CERTIFICATION TO PLANS**

I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT AND THE ATTACHED CONSTRUCTION PLANS COMPLY WITH THE REQUIREMENTS OF SECTION 336.045 OF THE FLORIDA STATUTES AND ARE IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS CONTAINED IN THE EDITION OF THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" IN EFFECT ON THIS DATE AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTION 336.045(1) OF THE FLORIDA STATUTES.

DATE: NOV. 2017 ENGINEER: ERIC L. WHIKEHART, P.E. PE NO.: 70776



PREPARED BY:  
**TLP ENGINEERING CONSULTANTS, INC.**  
11486 CORPORATE BLVD., SUITE 151  
ORLANDO, FL 32817  
PHONE: 407-901-5060  
CERT. OF AUTH. #27205

REVISIONS	DATE	BY

DESIGNED BY: **ELW** DATE: **AUG. 2016**  
CHECKED BY: **SWD** DATE: **NOV. 2017**  
APPROVED BY: **YMM** DATE: **NOV. 2017**

SHEET 1  
OF 44

**GENERAL NOTES**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AND CONFORM TO THE MOST STRINGENT REQUIREMENT OF THE PROJECT SPECIFICATION, THE JANUARY 2016 EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (FDOT), AND SUPPLEMENTS THERETO, AND ORANGE COUNTY ROAD CONSTRUCTION SPECIFICATIONS.
2. SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE OF THE ENGINEER IF ADDITIONAL INFORMATION IS AVAILABLE, TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING, AND TO MAKE HIS OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS.
3. ALL PERSONAL PROPERTY, EXCEPT MAILBOXES, WITHIN THE RIGHT-OF-WAY NOT RELOCATED BY THE PROPERTY OWNER SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS. PAYMENT WILL BE INCLUDED IN THE PAY ITEM NO. 110-1-1 (CLEARING AND GRUBBING). MAILBOXES SHALL BE RELOCATED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX NO. 532. PAYMENT FOR MAILBOX RELOCATION WILL BE INCLUDED IN PAY ITEM NO. 102-1.
4. ALL EXISTING TREES WITHIN LIMITS OF CONSTRUCTION ARE TO BE REMOVED AS CLEARING AND GRUBBING UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.
5. THE DISPOSAL OF EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. APPROVALS OF DISPOSAL SITES SHALL BE OBTAINED FROM ORANGE COUNTY PRIOR TO DISPOSAL. ALL EXCESS MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
6. SOD IN DISTURBED AREAS SHALL MATCH EXISTING TYPE SOD, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
7. INSTALL A 4" MUCK BLANKET OR TOPSOIL TREATMENT ON ALL PERMANENT GRASS AREAS. COST TO BE INCLUDED IN CONTRACT UNIT PRICE FOR SOD.
8. SOD ALL SLOPES. SLOPES STEEPER THAN 3:1 SHALL BE PEGGED.
9. SAW CUT CONCRETE DRIVEWAYS AS REQUIRED FOR CONSTRUCTION.
10. ALL OFFSETS SHOWN ARE TO PROPOSED BASELINE OF CONSTRUCTION.
11. FOR STABILIZATION AT TURNOUTS AND DRIVEWAY CONNECTIONS SEE STANDARD FDOT INDEX No. 515 FOR DEPTH AND LBR.
12. DRIVEWAY LOCATIONS AND WIDTHS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY AS DIRECTED BY THE ENGINEER.
13. THE CONTRACTOR SHALL PERFORM HIS WORK IN ACCORDANCE WITH REQUIREMENTS OF THE VARIOUS PERMITS INCLUDED IN THE BID SPECIFICATIONS. PAYMENT IS INCLUDED IN THE QUANTITIES STATED ON THE SUMMARY OF PAY ITEMS; EXCLUDING ITEMS SPECIFIED ELSEWHERE. ENVIRONMENTAL CONTROLS SHALL BE USED AT LOCATIONS DESIGNATED IN THE PLANS AND/OR DESIGNATED BY THE ENGINEER.
14. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH PROJECT CONSTRUCTION. PRIOR TO ORDERING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL DETERMINE IF DRAINAGE/UTILITY CONFLICTS EXIST. INFORMATION ON CONFLICTS IS TO BE SUBMITTED TO THE ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY FOR RESOLUTION.
15. PRIOR TO COMMENCEMENT OF WORK CONTRACTOR SHALL CALL SUNSHINE ONE 48 HOURS IN ADVANCE OF PERFORMING ANY UTILITY ADJUSTMENTS OR RELOCATIONS. SUNSHINE ONE PHONE NUMBER IS 1-800-432-4770.
16. UTILITIES ARE TO BE ADJUSTED BY OTHERS OR AS DIRECTED BY THE ENGINEER.
17. THE CONTRACTOR SHALL NOTIFY ALL GAS UTILITY COMPANIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATION AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES.\*
18. ALL DRAINAGE PIPES SHALL BE STEEL REINFORCED CONCRETE PIPE, CLASS III, UNLESS OTHERWISE NOTED.
19. MEASUREMENT OF DRAINAGE PIPE FOR PAYMENT SHALL BE DETERMINED FROM ACTUAL LENGTHS INSTALLED.

20. ALL INLET/MANHOLE - PIPE JOINTS SHALL BE FILLED WITH NON-SHRINK GROUT, COVERED WITH AN ASPHALT MASTIC COATING, AND WRAPPED WITH A FILTER FABRIC MATERIAL PER SECTION 13.07 OF THE ORANGE COUNTY ROAD CONSTRUCTION SPECIFICATIONS. ALL PIPE JOINTS IN THIS PROJECT SHALL BE WRAPPED PER FDOT STANDARD INDEX No. 280 OR AS DIRECTED BY THE ENGINEER, COST TO BE INCLUDED IN THE COST OF THE PIPE CULVERT.
21. ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS.
22. ALL EXISTING DRAINAGE STRUCTURES AND PIPES IF ABANDONED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED, UNLESS OTHERWISE SHOWN IN THE PLANS OR DIRECTED BY THE ENGINEER.
23. DESIGN CHANGES OF PIPE INVERTS NOT EXCEEDING PLUS OR MINUS ONE FOOT WILL NOT BE CONSIDERED AS A BASIS FOR ADDITIONAL COMPENSATION FOR THE PERTINENT PIPE BID ITEM OR FOR MODIFICATION OF PRECAST STRUCTURES.
25. ALL (P.R.M.'s) IRONS AND MONUMENTS SHOWN ON PLANS, OR FOUND, SHALL BE PRESERVED. THOSE SHOWN IN PROPOSED PAVEMENT SHALL BE PROTECTED WITH A CAST IRON VALVE BOX.
26. ANY U.S.C. AND G.S. MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, ORANGE COUNTY SURVEY SECTION (RON CLARK) 407-836-7947 AND BOTH SHALL NOTIFY:  
STATE GEODETIC ADVISOR  
3900 COMMONWEALTH BOULEVARD, SUITE 309,  
TALLAHASSEE, FL  
850-245-2606
- ORANGE COUNTY BENCHMARKS SHALL BE PRESERVED. IF AN ORANGE COUNTY BENCHMARK IS IN DANGER OF BEING DESTROYED, CONTACT ORANGE COUNTY SURVEY SECTION (RON CLARK) 407-836-7947 ONE WEEK PRIOR TO ANY CONSTRUCTION ACTIVITY THAT MAY DAMAGE SAID BENCHMARK.
27. PUBLIC LAND CORNERS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DISTURBED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE COUNTY SURVEYOR, WITHOUT DELAY, BY TELEPHONE 407-836-7940. THE CONTRACTOR SHALL PROVIDE WRITTEN FOLLOW UP CONFIRMATION WITHIN 48 HOURS OF TELEPHONE NOTIFICATION.
28. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO ORANGE COUNTY HIGHWAY CONSTRUCTION DEPARTMENT A SET OF FIELD NOTES VERIFYING THE BENCHMARK ELEVATIONS AND THE REFERENCE POINT TIES SHOWN ON THE TITLE SHEET AND PLAN AND PROFILE SHEETS, AND/OR A SET OF FIELD NOTES FOR ALL ADDITIONAL BENCHMARK AND REFERENCE POINT TIES PROPOSED TO BE USED IN CONSTRUCTING THE PROJECT WITH THEIR LOCATION, DESCRIPTION AND ELEVATION, BASED ON ORANGE COUNTY DATUM. ALL SUBMITTALS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
29. TO MEET ADA REQUIREMENTS, ALL SIDEWALK CONSTRUCTION SHALL COMPLY WITH FDOT STANDARDS AS FOLLOWS: GRADE SIDEWALK FOR POSITIVE DRAINAGE, CROSS SLOPES NOT TO EXCEED 2%. NO SIDEWALK SHALL HAVE A LONGITUDINAL GRADE(SLOPE) GREATER THAN 1:20 OR 5%; CURB RAMPS 1:12 OR 8.3%. REFER TO FDOT STANDARD INDEX 304.
30. FOR PEDESTRIAN CURB CUT RAMP DETAILS, REFER TO FDOT STANDARD INDEX NO. 304. NOMENCLATURE SHOWN IN THE PLANS REFERS TO THE RAMP TYPES IDENTIFIED IN INDEX 304.
31. THE CONTRACTOR SHALL RELOCATE EXISTING TRAFFIC SIGNS AS REQUIRED DURING CONSTRUCTION. SIGNS, WHICH ARE DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE COUNTY. THE CONTRACTOR SHALL REMOVE AND STORE EXISTING TRAFFIC SIGNS THAT ARE NOT USED DURING CONSTRUCTION. THE CONTRACTOR SHALL RE-INSTALL THE STORED SIGNS AS SHOWN ON THE SIGNING PLANS OR AS DIRECTED BY THE ENGINEER. SIGNS NOT TO BE RE-INSTALLED SHALL BE DELIVERED TO ORANGE COUNTY'S TRAFFIC SIGN SHOP. DAMAGED SIGNS SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO ORANGE COUNTY. COST OF RELOCATION, MAINTENANCE, REMOVAL AND LEFTOVER SHALL BE INCLUDED IN THE UNIT PRICES STATED ON THE SUMMARY OF PAY ITEMS.

\* CAUTION:  
MAPS SHOW ONLY THE APPROXIMATE LOCATION OF GAS MAINS OR SERVICE LINES. THE ONLY SAFE AND PROPER WAY TO LOCATE GAS FACILITIES IS BY AN ON-SITE INSPECTION BY T.E.C.O. GAS SYSTEMS THEREFORE, EXCAVATORS ARE INSTRUCTED TO TELEPHONE T.E.C.O. GAS FACILITIES US AT 407-425-4661 TWO WORKING DAYS BEFORE DIGGING IN A CONSTRUCTION AREA.



REVISIONS		ORANGE COUNTY GOVERNMENT	TLP ENGINEERING CONSULTANTS, INC. 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL 32838 PH. 407/901-5060 ERIC L. WHITEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.		GENERAL NOTES & STANDARD DETAILS	SHEET NO. 2
DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.		
				MOSELLE AVE.	CIP 2841-671		

GENERAL NOTES (CONTINUED)

- 32. ALL EXCAVATIONS SHALL BE REQUIRED TO CONFORM TO THE PROVISION OF PART III OF CHAPTER 553.60, F.S., ALSO KNOWN AS THE "TRENCH SAFETY ACT", TO PROTECT EXISTING PAVEMENT, STRUCTURES, FOUNDATIONS, AND CONSTRUCTION PERSONNEL DURING CONSTRUCTION OF THE PROJECT.
- 33. CONTRACTOR IS TO MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS AND SIDE STREETS AT ALL TIMES AND IS TO NOTIFY PROPERTY OWNERS FIVE DAYS PRIOR TO STARTING CONSTRUCTION.
- 34. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING PAVEMENT ELEVATIONS OF ALL DRIVEWAYS AND SIDEWALKS TO MATCH THE PROPOSED PAVEMENT TO THE EXISTING.
- 35. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAT THE CONDITION EXISTING. COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- 36. ALL CONCRETE SHALL BE MIN. OF 3,000 PSI.
- 37. EXISTING UTILITIES ARE TO REMAIN UNLESS THEY ARE NOTED OTHERWISE IN THE UTILITY ADJUSTMENT SHEETS.
- 38. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMIT, ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE. THE LOCATION OF UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY, THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES AND ANY UTILITY ADJUSTMENT REQUIRED. UTILITY COMPANIES SHALL BE NOTIFIED A MINIMUM OF THREE WORKING DAYS PRIOR TO ANY EXCAVATION.
- 39. IT IS ANTICIPATED THAT THE STORM SEWER PIPES AND INLETS WILL BE CONSTRUCTED WITHIN CLOSE PROXIMITY OF THE EXISTING CLAY SANITARY SEWER LINE. CONTRACTOR TO FIELD VERIFY LOCATION OF CLAY SANITARY SEWER LINE WITHIN ALL EXCAVATION LIMITS.

- 40. COMPACTION MUST BE ACHIEVED BY ROLLING ALONE. NO VIBRATORY COMPACTION ALLOWED.
- 41. CONTRACTOR TO PROVIDE AT LEAST 30 DAYS NOTICE TO ANY HOMEOWNER(S) OF FENCE TO BE REMOVED PRIOR TO REMOVAL.

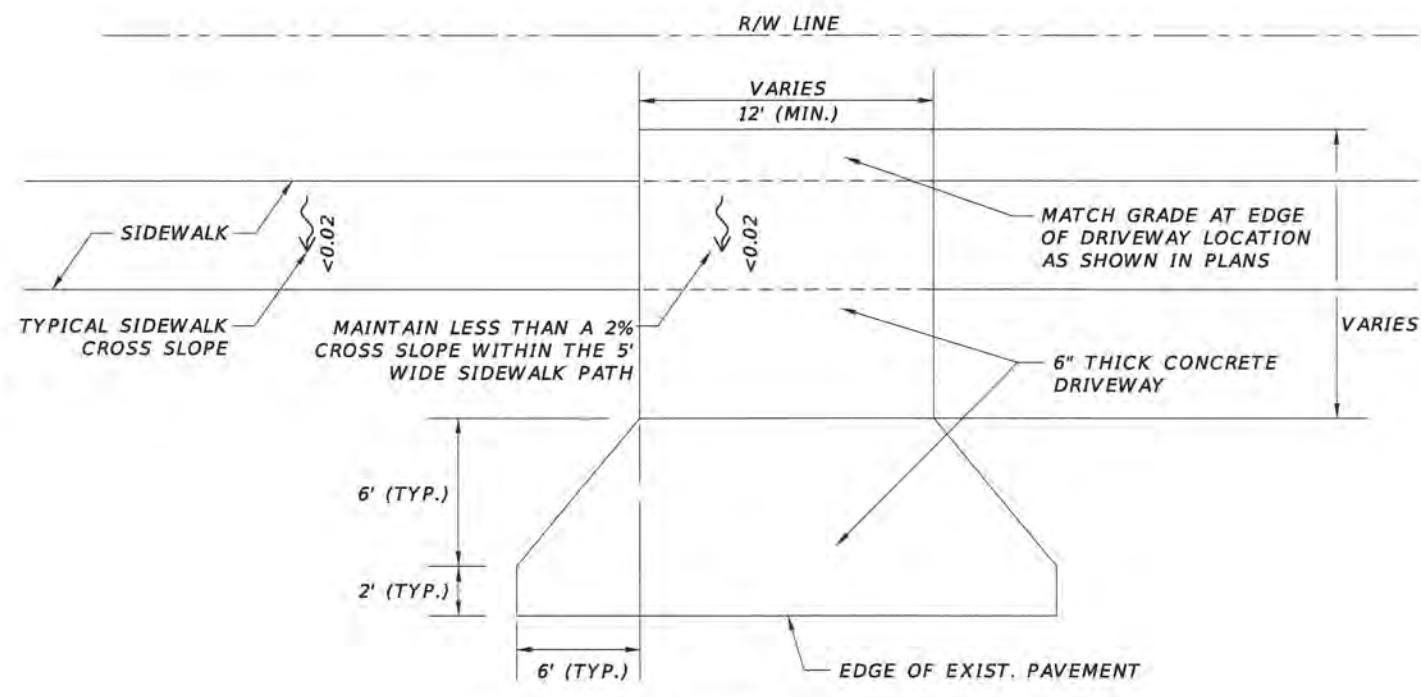
42. UTILITY CONTACTS ARE AS FOLLOWS:
- A. AT&T DISTRIBUTION  
DINO FARRUGGIO  
5100 STEYR STREET  
ORLANDO, FL 32819  
954-249-0558  
df1979@att.com
  - B. CHARTER COMMUNICATIONS  
MARVIN USRY, JR.  
3767 ALL AMERICAN BLVD  
ORLANDO, FL 32810  
407-532-8509  
marvin.usryjr@charter.com
  - C. CITY OF ORLANDO - BUREAU OF WASTEWATER  
DAVID BREITRICK  
5100 L.B. MCLEOD RD.  
ORLANDO, FL 32811  
407-246-3525  
david.breitrick@cityoforlando.net
  - D. ORANGE COUNTY UTILITIES  
CHRISTINA CROSBY  
9150 CURRY FORD ROAD  
ORLANDO, FL 32825  
407-254-9706  
Christina.Crosby@ocfl.net
  - E. LEVEL 3 COMMUNICATIONS NETWORK RELATIONS  
877-366-8344 ext. 2  
level3.networkrelocations@level3.com
  - F. FRONTIER COMMUNICATIONS  
GARY REEVE  
1701 RINGLING BLVD.  
SARASOTA, FL 34236  
941-955-2908  
gary.reeve@ftr.com
  - G. ORLANDO UTILITIES COMMISSION - ELECTRIC  
RONALD HAWKINS  
6113 PERSHING AVE  
ORLANDO, FL 32822  
407-434-2569  
r.hawkins@ouc.com



ASBESTOS REMOVAL NOTES

THE FOLLOWING IS PROVIDED FROM THE ORANGE COUNTY UTILITIES MASTER CIP TECHNICAL SPECIFICATIONS 02080, " ABANDONMENT, REMOVAL, AND SALVAGE OR DISPOSAL OF EXISTING PIPE". NOTES ARE PROVIDED HERE FOR REFERENCE ONLY. SEE OC MASTER CIP TECHNICAL PROVISION SPECIFICATION SECTION 02080 FOR ADDITIONAL INFORMATION.

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SUPERVISION AND INSPECTIONS TO ENSURE THAT THE EXISTING PIPING IS REMOVED AND DIPOSED, SALVAGED, OR ABANDONED AS DESIGNATED IN THE DRAWINGS AND AS SPECIFIED HERIN.
2. ASBESTOS PIPE REMOVAL OR ABANDONMENT OF PIPE MATERIAL CONTAINING ASBESTOS SHALL BE PERFORMED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR OR SUBCONTRACTOR.
3. THE ASBESTOS ABATEMENT CONTRACTOR OR SUBCONTRACTOR SHALL CONTACT THE ORANGE COUNTY ENVIRONMENTAL PROTECTION DIVISION (407-836-1400) PRIOR TO REMOVAL OR ABANDONMENT OF ANY ASBESTOS MATERIAL AND SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES AND ISSUE ALL REQUIRED NOTICES AS REQUIRED BY THE ORANGE COUNTY ENVIRONMENTAL PROTECTION DIVISION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH PERMITS, LICENSES, AND NOTICES TO THE GOVERNING REGULATORY AGENCIES.
4. THE ASBESTOS ABATE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE STANDARDS REFERENCED BELOW:
  1. FLORIDA ADMINISTRATIVE CODE, CHAPTER 62-204.800.
  2. NATION EMISSION STANDARDS HAZARDOUS AIR POLLUTION (NESHAP), 40 CFR PART 61, SUBPART M, LATEST REVISION.
  3. OCCUPATIONAL SAFETY AND HEALTH ACT, 29 CFR.
  4. THE ENVIRONMENTAL PROTECTION AGENCY (EPA) ABESTOS ABATEMENT WORKER PROTECTION RULE.
  5. FLORIDA STATUTE 455.300.
  6. ASBESTOS PIPE HANDLING BEST MANAGEMENT PRACTICES PROVIDED IN THE OC MASTER CIP TECHNICAL SPECIFICATIONS SECTION 02080.



TYP. DRIVEWAY APRONS WITH SIDEWALK CROSS SLOPE TRANSITION DETAIL

N. T. S.

REVISIONS		DESCRIPTION		ORANGE COUNTY GOVERNMENT FLORIDA	TLP ENGINEERING CONSULTANTS, INC 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL 32817 PH. 407-901-5060 ERIC L. WHIKEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENBY HWY. TO TURIN ST.		GENERAL NOTES & STANDARD DETAILS	SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.		
						MOSELLE AVE.	CIP 2841-671		

SUMMARY OF PAY ITEMS				
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	
			P	F
101-1	MOBILIZATION	LS	1	
102-1	MAINTENANCE OF TRAFFIC	LS	1	
104-14	PREVENTION CONTROL & ABATEMENT CONTROL OF EROSION & WATER POLLUTION	LS	1	
110-1-1	CLEARING AND GRUBBING	LS	1	
120-1	EXCAVATION, EMBANKMENT, AND GRADING	LS	1	
425-1-521	INLET - DITCH BOTTOM TYPE-C (<10 FT)	EA	13	
425-4	INLET ADJUST	EA	2	
430-175-115	PIPE CULVERT, SRCP-CLASS III, ROUND, 15" S/CD	LF	9	
430-175-118	PIPE CULVERT, SRCP-CLASS III, ROUND, 18" S/CD	LF	829	
520-2-4	CONCRETE CURB TYPE D	LF	18	
522-1	CONCRETE SIDEWALK (4" THICK INCLUDING COMPACTION)	SY	567	
522-2	CONCRETE DRIVEWAY (6" THICK INCLUDING COMPACTION)	SY	485	
550-10-210	FENCING, TYPE B, 0.0-5.0', STANDARD FEATURES	LF	77	
570-1-2	PERFORMANCE TURF (MATCH EXISTING)	SY	1488	
700-1-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	AS	2	
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID (12")	LF	61	
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID (24")	LF	60	
900-1	AS-BUILT PLANS	LS	1	
900-2	INDEMNIFICATION	LS	1	

PAY ITEM NOTES:

- 102-1 INCLUDES THE COST OF RELOCATION OF EXISTING MAILBOXES.
- 110-1-1 INCLUDES THE COST OF REMOVING EXISTING SIDE DRAIN PIPES AND REMOVING 2" GALVANIZED STEEL WATER MAIN AND 2" GALVANIZED WM. INCLUDES COST OF REMOVING 300 LF OF KNOWN EXISTING ABANDONED 6" AC WM. CONTRACTOR TO FIELD VERIFY FOR EXACT LENGTH.
- 425-4 INCLUDES THE COST OF ADDING NEW PIPE CONNECTIONS TO EXISTING STRUCTURES AND ADJUSTING NEW PIPE CONNECTIONS INTO EXISTING STRUCTURES. (STRUCTURES EX-2 AND EX-29)
- 550-10-210 INCLUDES COST OF FENCE REPLACEMENT "IN KIND" AS SHOWN IN PLANS.



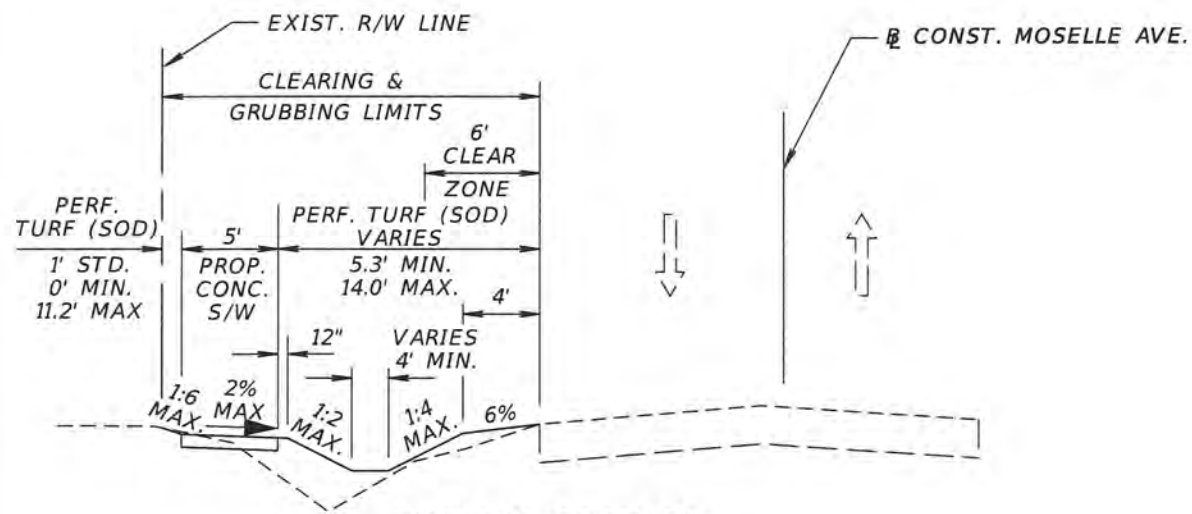
REVISIONS				ORANGE COUNTY GOVERNMENT FLORIDA	TLP ENGINEERING CONSULTANTS, INC 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHIKEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.		SUMMARY OF PAY ITEMS & PAY ITEM NOTES	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.		
						MOSELLE AVE.	CIP 2841-671		



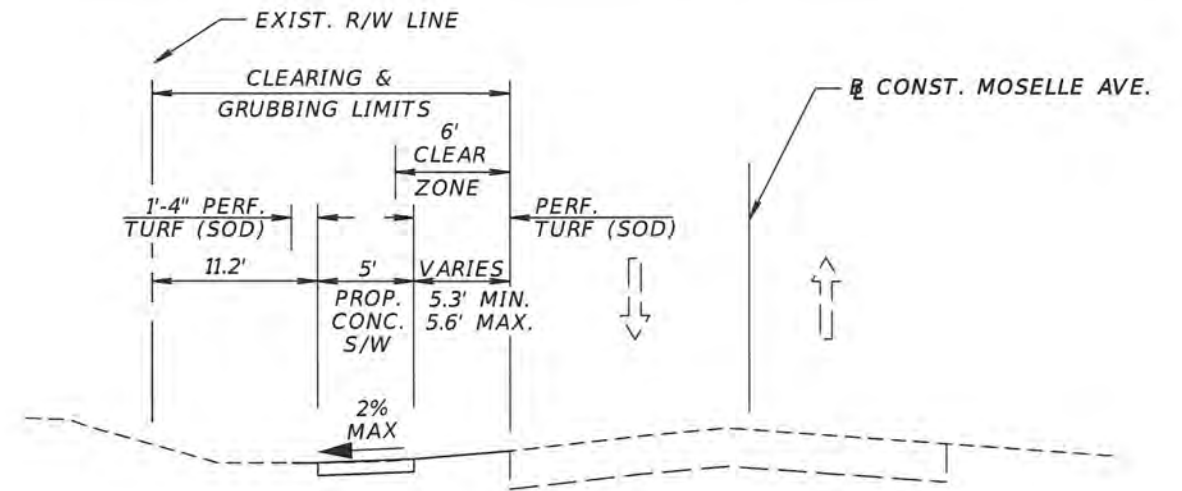
- ① NO END TREATMENT  
E. INV. 93.75 (24" RCP)
- ② MANHOLE  
TOP EL. 97.40  
N. INV. 94.36 (15" RCP)  
W. INV. 94.24 (24" RCP)  
E. INV. 94.09 (18" RCP)
- ③ NO END TREATMENT  
W. INV. 94.22 (18" RCP)
- ④ NO END TREATMENT  
S. INV. 93.54 (18" HDPE)
- ⑤ NO END TREATMENT  
N. INV. 94.21 (18" HDPE)
- ⑥ MES  
S. INV. 94.04 (12"x18" ERCP)
- ⑦ MES  
N. INV. 94.00 (12"x18" ERCP)
- ⑧ NO END TREATMENT  
S. INV. 93.96 (12"x18" ERCP)
- ⑨ NO END TREATMENT  
N. INV. 94.02 (15"x21" CMP)
- ⑩ MES  
S. INV. 94.02 (12"x18" CMP)
- ⑪ MES  
N. INV. 93.84 (12"x18" CMP)
- ⑫ MES  
S. INV. 93.48 (12"x18" CMP)
- ⑬ MES  
N. INV. 93.60 (12"x18" CMP)
- ⑭ NO END TREATMENT  
S. INV. 93.31 (15"x21" CMP)
- ⑮ NO END TREATMENT  
N. INV. 93.40 (15"x21" CMP)
- ⑯ NO END TREATMENT  
S. INV. 92.84 (15" HDPE)
- ⑰ NO END TREATMENT  
N. INV. 92.83 (15" HDPE)
- ⑱ NO END TREATMENT  
S. INV. 92.66 (15" HDPE)
- ⑲ NO END TREATMENT  
N. INV. 92.49 (15" HDPE)
- ⑳ NO END TREATMENT  
S. INV. 92.30 (15" HDPE)
- ㉑ NO END TREATMENT  
N. INV. 92.22 (15" HDPE)
- ㉒ NO END TREATMENT  
S. INV. 92.03 (15" HDPE)
- ㉓ NO END TREATMENT  
N. INV. 92.34 (15" HDPE)
- ㉔ NO END TREATMENT  
S. INV. 92.21 (15" HDPE)
- ㉕ NO END TREATMENT  
N. INV. 92.08 (15" HDPE)
- ㉖ NO END TREATMENT  
S. INV. 91.92 (18" CMP)
- ㉗ NO END TREATMENT  
N. INV. 91.79 (18" CMP)
- ㉘ MES  
S. INV. 90.72 (18" HDPE)
- ㉙ INLET  
GRATE EL. 92.34  
SLOT EL. 91.65  
N. INV. 89.03 (18" HDPE)  
W. INV. 88.28 (36" HDPE)  
E. INV. 87.94 (36" HDPE)
- ㉚ NO END TREATMENT  
E. INV. 88.63 (36" HDPE)
- ㉛ NO END TREATMENT  
W. INV. 88.09 (36" HDPE)
- ㉜ INLET  
TOP EL. 92.55  
E. INV. 89.01 (15" RCP)
- ㉝ INLET  
TOP EL. 92.47  
S. INV. 88.95 (18" RCP)  
W. INV. 89.02 (15" RCP)  
N. INV. 89.12 (15" RCP)



REVISIONS					TLP ENGINEERING CONSULTANTS, INC. 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHITEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR:		<b>SUMMARY OF EXISTING DRAINAGE STRUCTURES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME			PROJECT NO.
MOSELLE AVE.		CIP 2841-671							

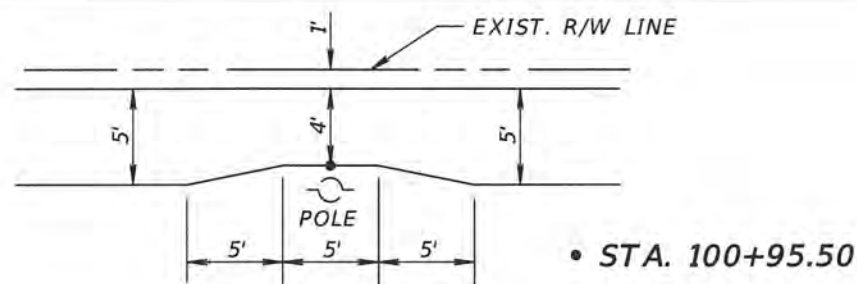


**TYPICAL SECTION  
MOSELLE AVE.  
STA. 100+75.79 TO STA. 111+57.00  
STA. 111+85.00 TO STA. 112+85.00  
N.T.S.**

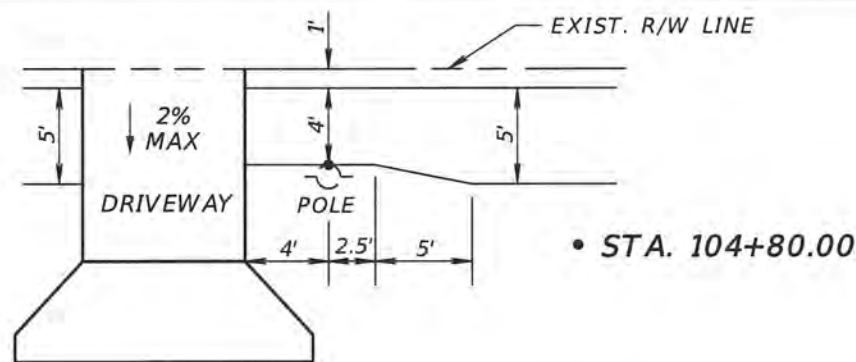


**TYPICAL SECTION  
MOSELLE AVE.  
STA. 111+20.00 TO STA. 112+00.00  
N.T.S.**

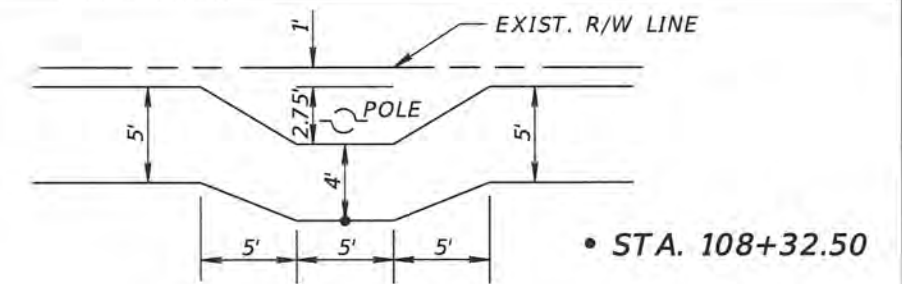
NOTE:  
REFER TO THE PLAN SHEETS, CROSS SECTIONS  
AND DRAINAGE CROSS SECTIONS FOR  
FOR SIDEWALK AND DITCH CONSTRUCTION.



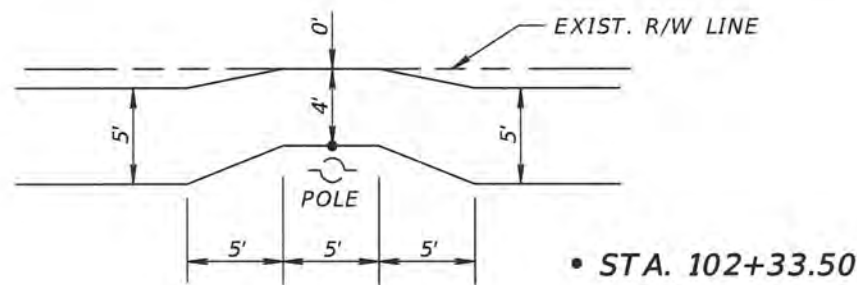
• STA. 100+95.50



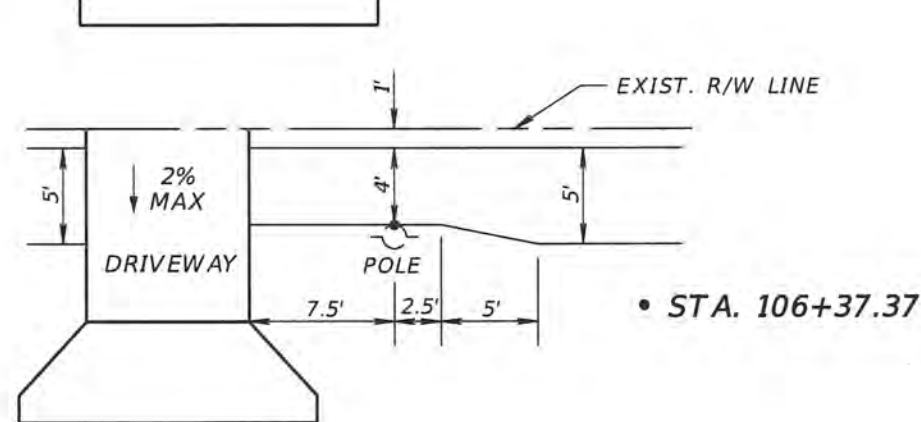
• STA. 104+80.00



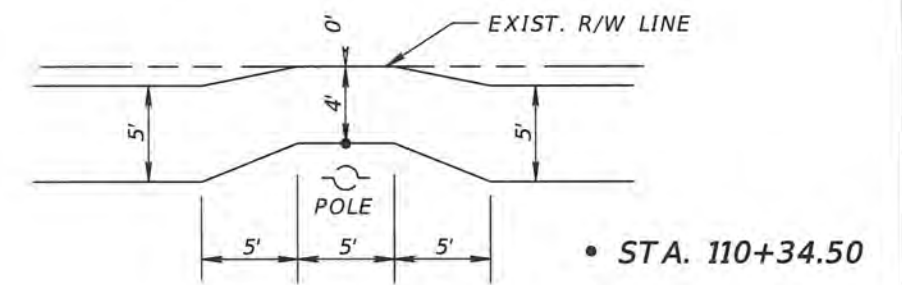
• STA. 108+32.50



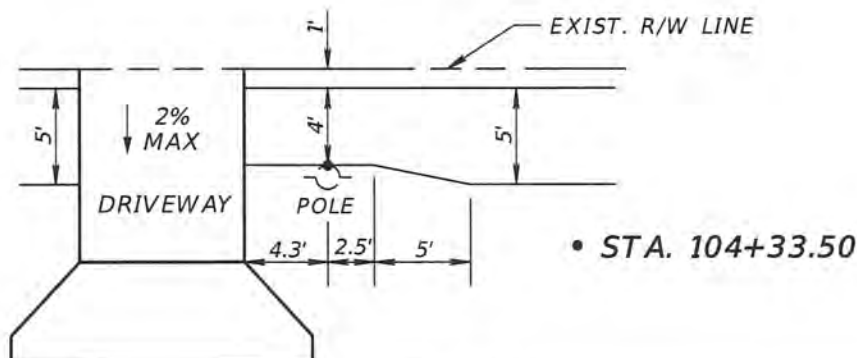
• STA. 102+33.50



• STA. 106+37.37



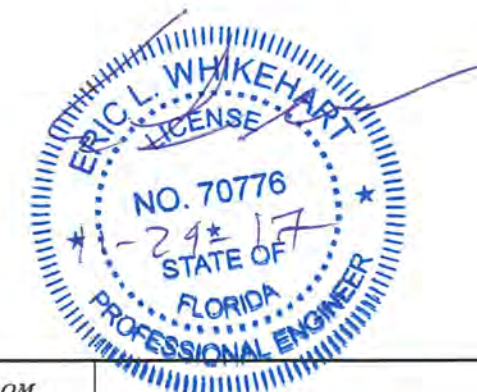
• STA. 110+34.50



• STA. 104+33.50

**PROPOSED SIDEWALK  
TRANSITION DETAILS  
NTS**

REFER TO PLAN SHEETS FOR  
SPECIFIC DETAIL OF EACH TRANSITION



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



TLP ENGINEERING CONSULTANTS, INC.  
11486 CORPORATE BLVD., SUITE 151  
ORLANDO, FL. 32817  
PH. 407-901-5060  
ERIC L. WHITEHART, P.E. 70776  
CERT. OF AUTH. #27205

DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**TYPICAL SECTIONS**

SHEET  
NO.

7

SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
101-1	Mobilization		1		
102-1	Maintenance of Traffic		1		
104-14	Prevention Control & Abatement Control of Erosion & Water Pollution		1		
110-1-1	Clearing and Grubbing		1		
120-1	Excavation, Embankment, and Grading		1		
900-1	As-Built Plans		1		
900-2	Indemnification		1		

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES								
LOCATION  STA. TO STA.	SIDE	AREA ID	SEDIMENT BARRIER		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			LF		EA			
			P	F	P	F		
100+65.00 to 100+80.00	LT		15.0					
100+82.54 to 101+35.00	LT		53.0					
101+65.00 to 103+07.00	LT		142.0					
103+34.00 to 104+14.00	LT		80.0					
104+32.00 to 104+53.00	LT		21.0					
104+76.42 to 104+80.00	LT		4.0					
104+84.01 to 104+95.00	LT		11.0					
105+20.00 to 106+17.00	LT		97.0					
106+32.00 to 107+14.00	LT		82.0					
107+29.00 to 107+95.00	LT		66.0					
108+11.00 to 108+58.00	LT		47.0					
108+70.00 to 109+14.00	LT		44.0					
109+28.00 to 109+46.00	LT		18.0					
109+66.00 to 110+12.00	LT		46.0					
110+28.00 to 112+94.97	LT		269.5					
111+00.00 to 112+87.18	LT		188.9					
113+20.76 to 113+27.14	LT		6.4					
113+21.40 to 113+30.15	LT		8.9					
100+74.80 to 100+79.90	LT				1			
100+84.96 to 100+93.02	LT				1			
102+95.96 to 103+04.02	LT				1			
103+80.96 to 103+89.02	LT				1			
104+37.46 to 104+45.52	LT				1			
104+81.96 to 104+90.02	LT				1			
105+95.96 to 106+04.02	LT				1			
106+90.96 to 106+99.02	LT				1			
107+80.96 to 107+89.02	LT				1			
108+40.96 to 108+49.02	LT				1			
108+95.96 to 109+04.02	LT				1			
109+32.89 to 109+40.96	LT				1			
109+95.96 to 110+04.02	LT				1			
110+95.96 to 111+04.02	LT				1			
111+60.00 to 111+68.06	LT				1			
112+97.08 to 112+98.01	RT				1			
113+20.32 to 113+20.78	RT				1			
SUB-TOTAL:			1199.7		17			
TOTAL:			1200		17			



NOTE:  
COSTS FOR PREVENTION CONTROL & ABATEMENT CONTROL OF EROSION & WATER POLLUTION ARE ALL INCLUDED IN LUMP SUM PAY ITEM 104-14.

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					 <p>TLP ENGINEERING CONSULTANTS, INC. 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHIKEHART, P.E. 70776 CERT. OF AUTH. #27205</p>	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	<p align="center"><b>SUMMARY OF QUANTITIES</b> (SHEET 1 OF 3)</p>	SHEET NO. 8
REVISIONS																			
DATE	DESCRIPTION	DATE	DESCRIPTION																
<table border="1"> <thead> <tr> <th>PROJECT NAME</th> <th>PROJECT NO.</th> </tr> </thead> <tbody> <tr> <td>MOSELLE AVE.</td> <td>CIP 2841-671</td> </tr> </tbody> </table>		PROJECT NAME	PROJECT NO.	MOSELLE AVE.	CIP 2841-671														
PROJECT NAME	PROJECT NO.																		
MOSELLE AVE.	CIP 2841-671																		





**SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.					GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
								TYPE	LENGTH	P	F				
0520 2 4	Concrete Curb, Type D	112+87.96 to 112+93.83		LT		LF	9.4				9.4	18			
		113+20.77 to 113+20.82		LT		LF	8.1				8.1				

**SUMMARY OF PERFORMANCE TURF**

LOCATION STA. TO STA.	SIDE	PERFORMANCE TURF (SOD)			DESIGN NOTES	CONSTRUCTION REMARKS
		0570	1	2		
		SY				
		P	F			
100+75.13 to 101+38.00	LT	89.5				
100+78.19 to 101+38.00	LT	8.1				
101+62.00 to 103+10.19	LT	222.4				
101+62.56 to 102+31.00	LT	7.3				
102+36.00 to 103+09.47	LT	7.9				
103+31.58 to 104+17.01	LT	28.2				
103+33.32 to 104+13.80	LT	103.3				
104+29.00 to 104+54.44	LT	27.9				
104+32.20 to 104+52.84	LT	8.8				
104+48.54 to 104+52.16	LT	0.2				
104+76.00 to 104+96.34	LT	22.9				
104+79.66 to 104+92.54	LT	3.5				
105+18.31 to 106+17.23	LT	29.3				
105+22.00 to 106+18.00	LT	128.0				
106+30.00 to 107+15.00	LT	119.2				
106+30.00 to 107+15.00	LT	9.5				
107+27.00 to 107+97.00	LT	7.8				
107+27.00 to 107+97.00	LT	87.2				
108+09.00 to 108+56.85	LT	53.9				
108+09.00 to 108+58.67	LT	8.6				
108+68.83 to 109+14.49	LT	54.4				
108+69.12 to 109+15.33	LT	5.1				
109+25.98 to 109+46.53	LT	2.3				
109+26.63 to 109+46.60	LT	23.7				
109+64.62 to 110+14.00	LT	58.8				
109+64.73 to 110+14.00	LT	5.5				
110+26.00 to 110+32.00	LT	0.4				
110+26.00 to 111+65.76	LT	184.2				
110+37.00 to 111+65.73	LT	14.0				
111+65.74 to 112+87.65	LT	165.9				
SUB-TOTAL		1487.8				
TOTAL		1488				

**SUMMARY OF FENCING**

LOCATION STA. TO STA.	SIDE	FENCING TYPE B			DESIGN NOTES	CONSTRUCTION REMARKS
		550	10	210		
		LF				
		P	F			
103+36.51 to 104+09.34	LT	72.8				
104+29.95 to 104+33.86	LT	3.9				
SUB-TOTAL		76.7				
TOTAL		77				

**TABULATION OF SIGNING & PAVEMENT MARKING QUANTITIES**

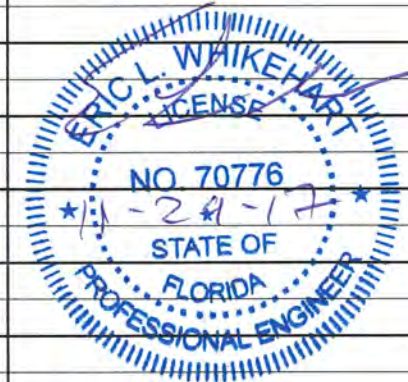
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET		TOTAL THIS SHEET		GRAND TOTAL	
			15		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL				
700-1-11	Single Post Sign, F&I, Less Than 12 SF	AS	2		2		2	
711-11-123	Thermoplastic, Standard, White, Solid (12")	LF	60.9		60.9		61	
711-11-125	Thermoplastic, Standard, White, Solid (24")	LF	60.0		60.0		60	

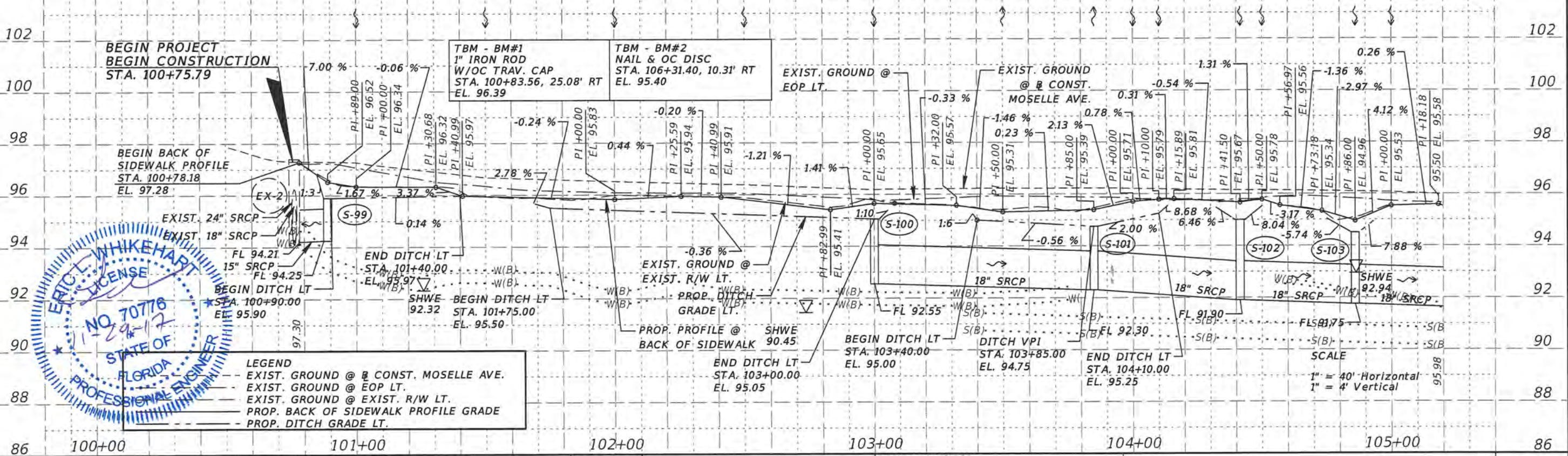
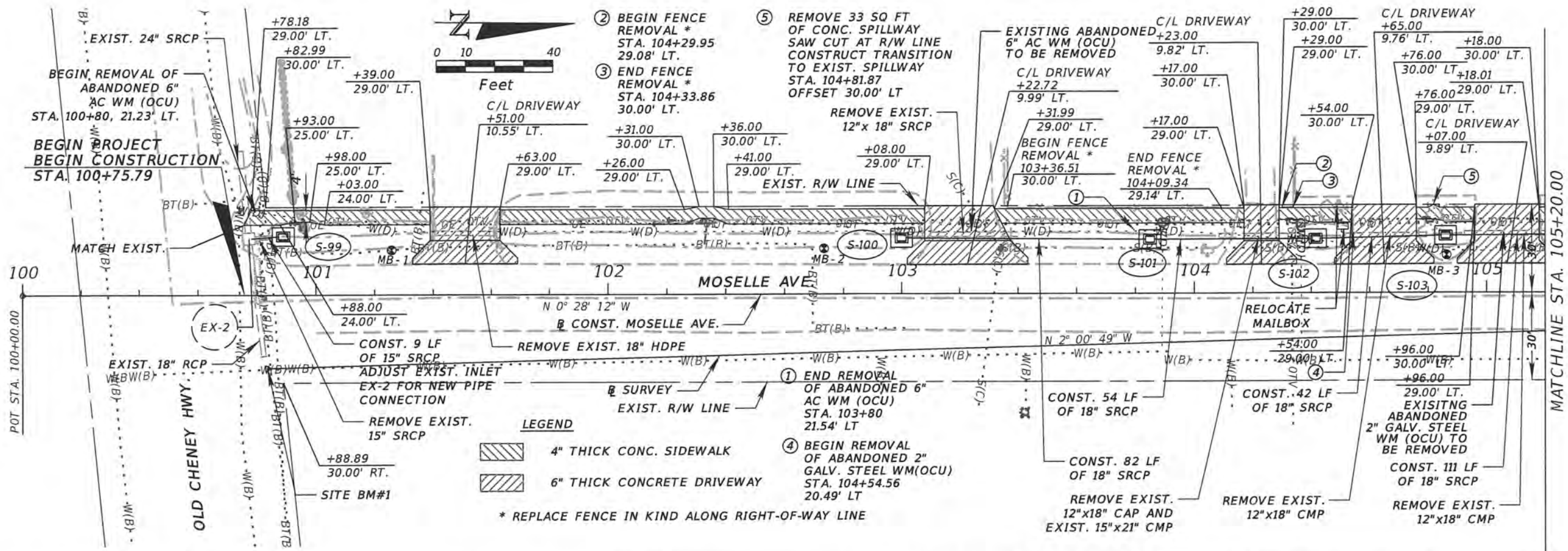


REVISIONS				ORANGE COUNTY GOVERNMENT FLORIDA	TLP ENGINEERING CONSULTANTS, INC. 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL 32817 PH. 407-901-5060 ERIC L. WHITEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR SIDEWALK IMPROVEMENTS FROM OLD CHURCH HWY TO TURIN ST. PROJECT NAME: PROJECT NO.	MOSELLE AVE. CIP 2841-671	SUMMARY OF QUANTITIES (SHEET 3 OF 3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						10

**SUMMARY OF DRAINAGE STRUCTURES**

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN STEEL REINFORCED CONCRETE PIPE		DITCH BOTTOM INLETS	ADJUST INLET	REMARKS
						ROUND		425-1-521		
						430-175-115	430-175-118	C		
						15"	18"	<10'		
P	EX-2	100+77.50	LT.	Adjust Inlet	1				1	Modify Existing DBI inlet wall for new pipe connection from structure S-99.
F										
P	S-99	100+89.00	LT.	Inlet, Pipe	1	9.0		1		Connects to Existing Structure EX-2
F										
P	S-100	103+00.00	LT.	Inlet, Pipe	1		82.0	1		
F										
P	S-101	103+85.00	LT.	Inlet, Pipe	1		54.0	1		
F										
P	S-102	104+41.50	LT.	Inlet, Pipe	1		42.0	1		
F										
P	S-103	104+86.00	LT.	Inlet, Pipe	1		111.0	1		
F										
P	S-104	106+00.00	LT.	Inlet, Pipe	1		92.0	1		
F										
P	S-105	106+95.00	LT.	Inlet, Pipe	1		87.0	1		
F										
P	S-106	107+85.00	LT.	Inlet, Pipe	1		57.0	1		
F										
P	S-107	108+45.00	LT.	Inlet, Pipe	1		52.0	1		
F										
P	S-108	109+00.00	LT.	Inlet, Pipe	1		34.0	1		
F										
P	S-109	109+37.00	LT.	Inlet, Pipe	1		60.0	1		
F										
P	S-110	110+00.00	LT.	Inlet, Pipe	1		97.0	1		
F										
P	S-111	111+00.00	LT.	Inlet, Pipe	1		61.0	1		Connects to Existing structure EX-29
F										
P	EX-29	111+64.00	LT.	Adjust Inlet	1				1	Modify Existing DBI inlet wall for new pipe connection from structure S-111.
F										
Sheet Summary					P Total	9	829	13	2	
					F Total					
Final Summary					P Total	9	829	13	2	
					F Total					





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

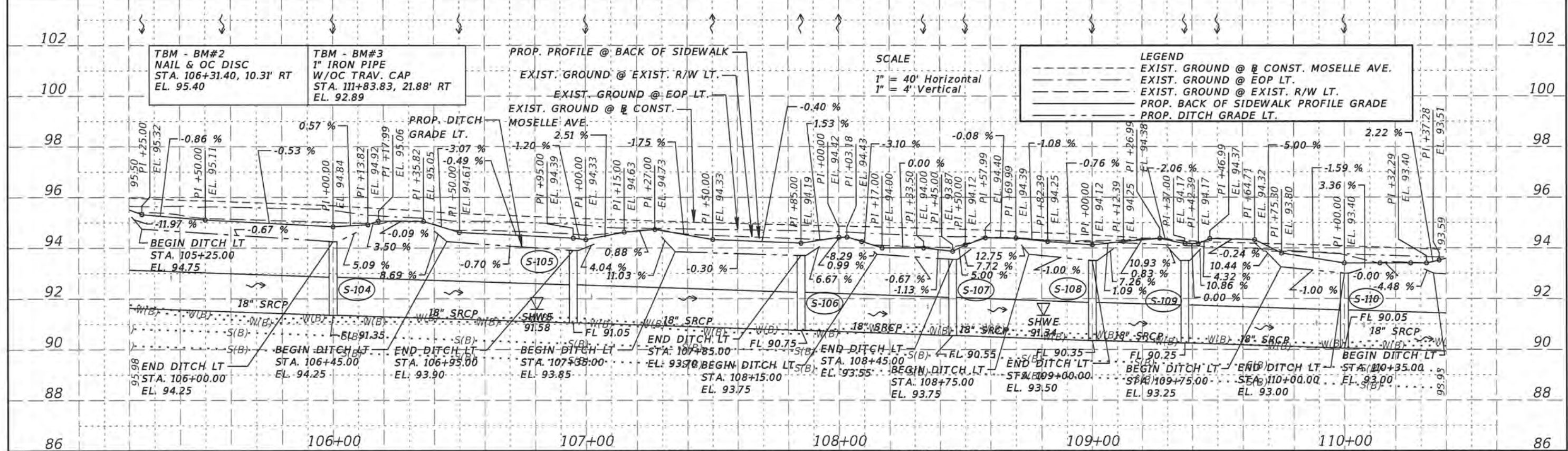
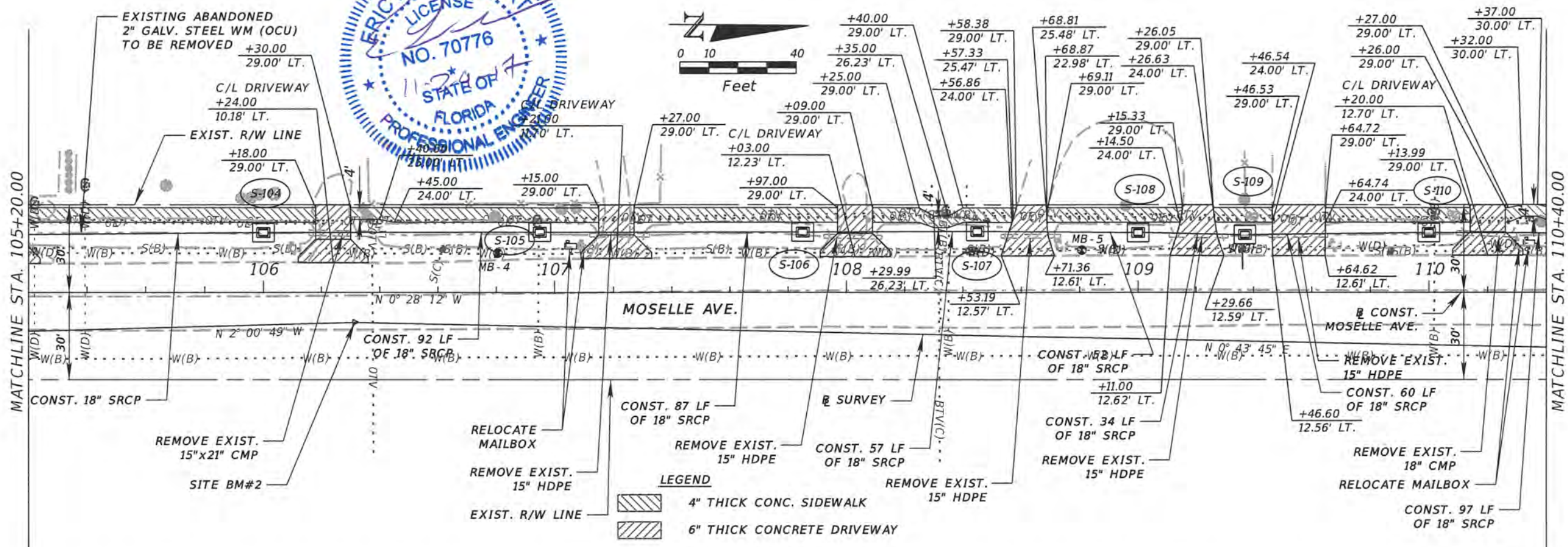


TLP ENGINEERING CONSULTANTS, INC.  
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ORLANDO, FL 32817  
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ERIC L. WHITEHART, P.E. 70776  
CERT. OF AUTH. #27205

DESIGN PLANS FOR:  
SIDEWALK IMPROVEMENTS FROM  
OLD CHENEY HWY. TO TURIN ST.  
PROJECT NAME: MOSELLE AVE.  
PROJECT NO.: CIP 2841-671

**PLAN & PROFILE SHEETS**

SHEET NO.  
12



REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

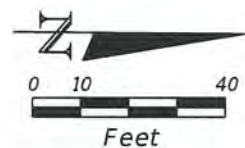
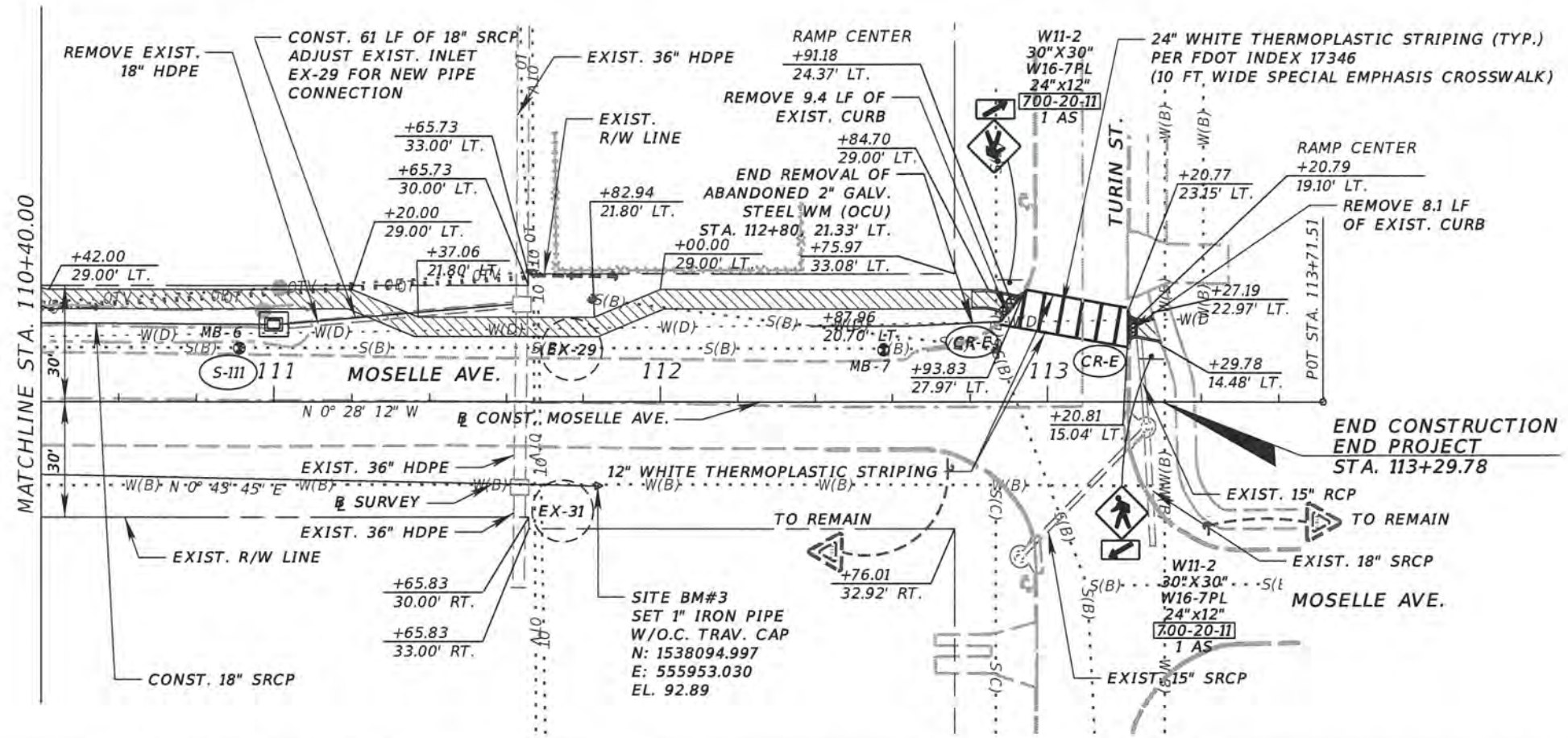
ORANGE COUNTY GOVERNMENT FLORIDA

TLP ENGINEERING CONSULTANTS, INC.  
11486 CORPORATE BLVD., SUITE 151  
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ERIC L. WHITEHART, P.E. 70776  
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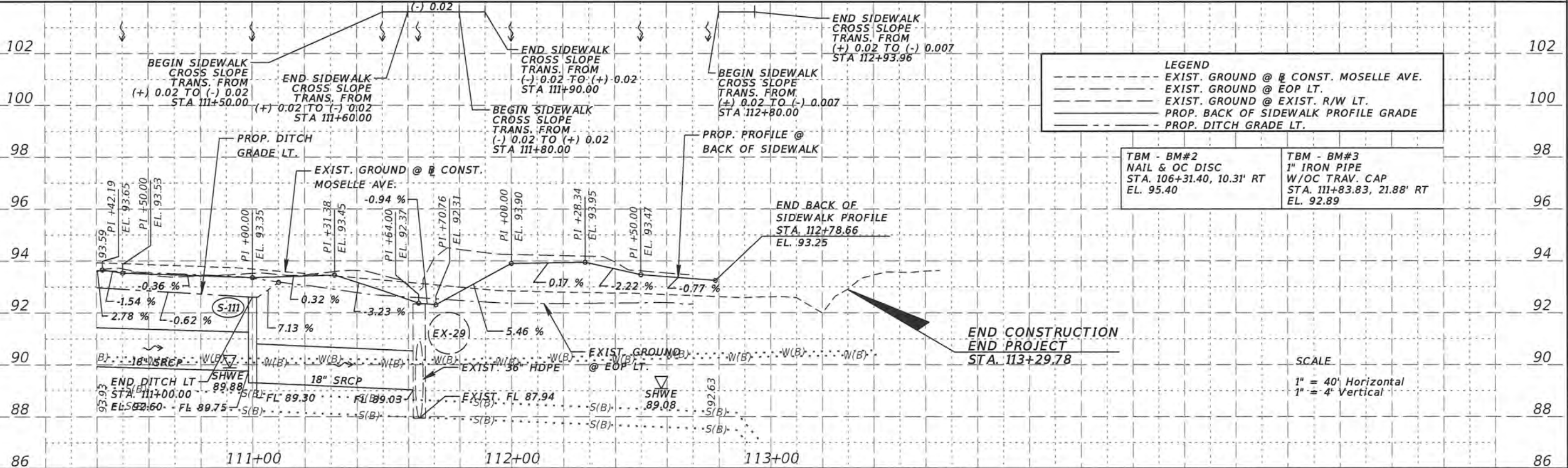
DESIGN PLANS FOR:  
SIDEWALK IMPROVEMENTS FROM  
OLD CHENEY HWY. TO TURIN ST.  
PROJECT NAME: MOSELLE AVE.  
PROJECT NO.: CIP 2841-671

**PLAN & PROFILE SHEETS**

SHEET NO.  
**13**



- LEGEND**
- 4" THICK CONC. SIDEWALK
  - 6" THICK CONCRETE DRIVEWAY
  - DETECTABLE WARNING PAD PER FDOT INDEX 304



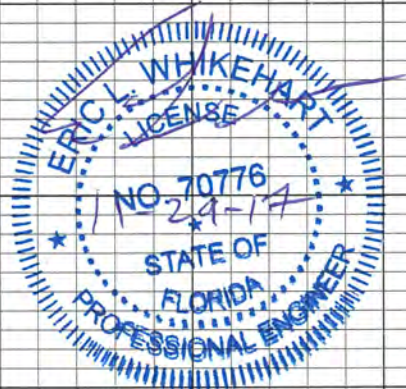
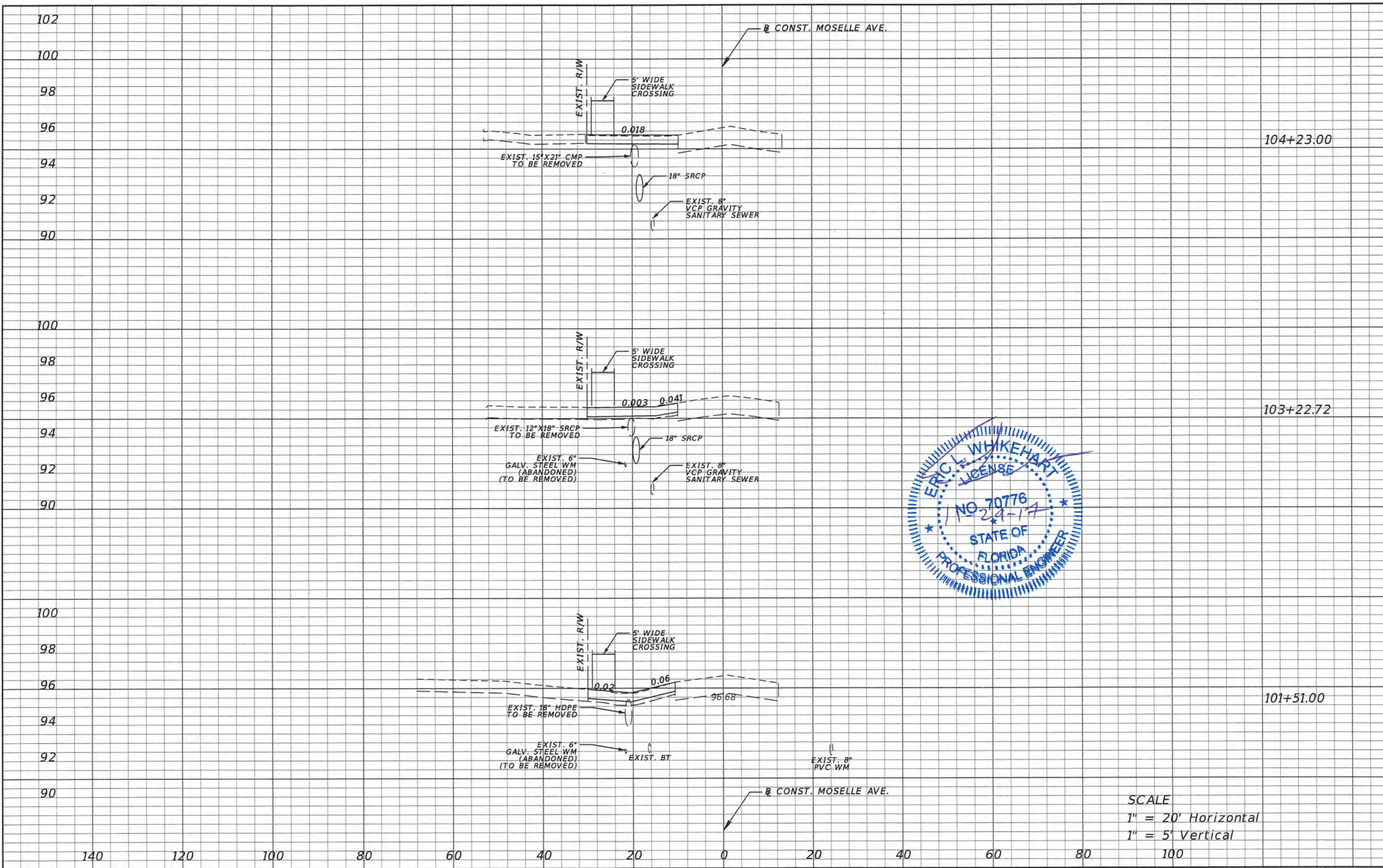
- LEGEND**
- EXIST. GROUND @ CONST. MOSELLE AVE.
  - EXIST. GROUND @ EOP LT.
  - EXIST. GROUND @ EXIST. R/W LT.
  - PROP. BACK OF SIDEWALK PROFILE GRADE
  - PROP. DITCH GRADE LT.

TBM - BM#2  
NAIL & OC DISC  
STA. 106+31.40, 10.31' RT  
EL. 95.40

TBM - BM#3  
1" IRON PIPE  
W/OC TRAV. CAP  
STA. 111+83.83, 21.88' RT  
EL. 92.89

**SCALE**  
1" = 40' Horizontal  
1" = 4' Vertical

REVISIONS		DESCRIPTION		 <b>ORANGE COUNTY</b> GOVERNMENT FLORIDA	TLP ENGINEERING CONSULTANTS, INC. 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHIKEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR:		<b>PLAN &amp; PROFILE SHEETS</b>	SHEET NO.  14
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.		
						MOSELLE AVE.	CIP 2841-671		



SCALE  
 1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS	
DATE	DESCRIPTION

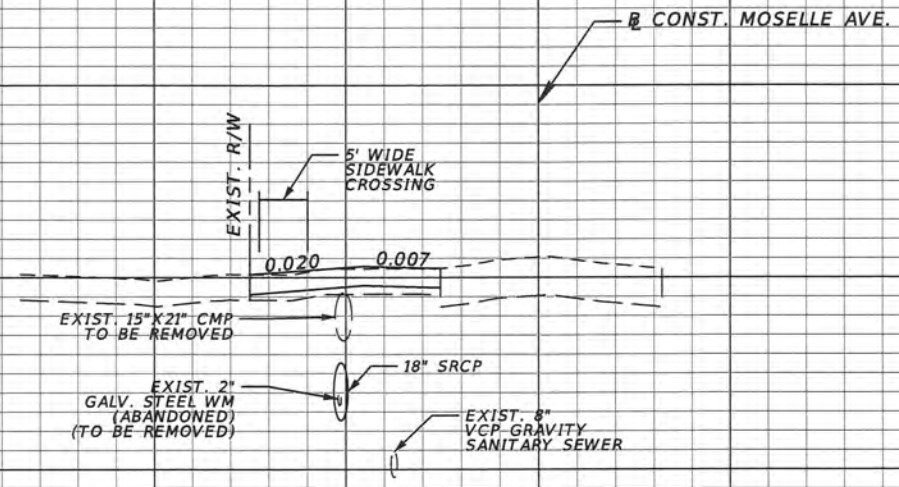
**ORANGE COUNTY GOVERNMENT**  
 TLP ENGINEERING CONSULTANTS, INC.  
 11486 CORPORATE BLVD., SUITE 151  
 ORLANDO, FL. 32817  
 PH. 407-901-5060  
 ERIC L. WHITEHART, P.E. 70776  
 CERT. OF AUTH. #27205

DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

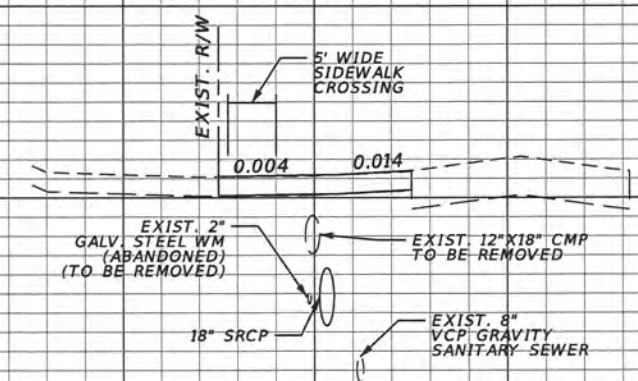
**DRIVEWAY PROFILE SHEETS**

SHEET NO.  
15

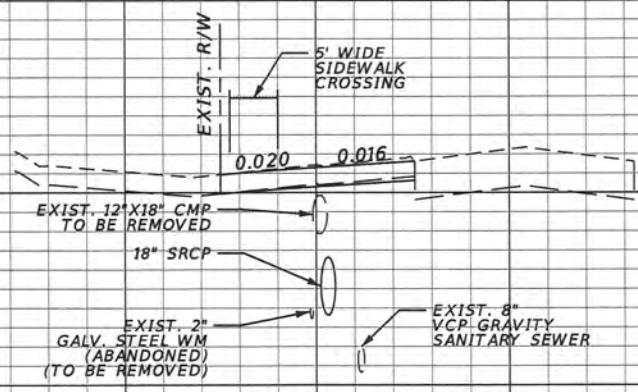
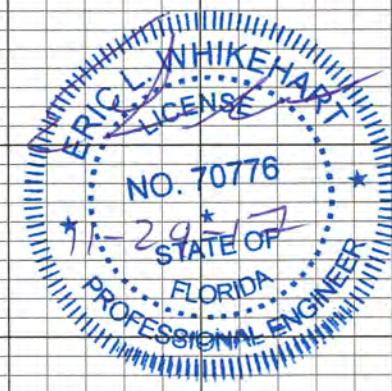
100  
98  
96  
94  
92  
90  
  
100  
98  
96  
94  
92  
90  
  
100  
98  
96  
94  
92  
90



106+24.00



105+07.00



104+65.00

CONST. MOSELLE AVE.

CONST. MOSELLE AVE.

SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

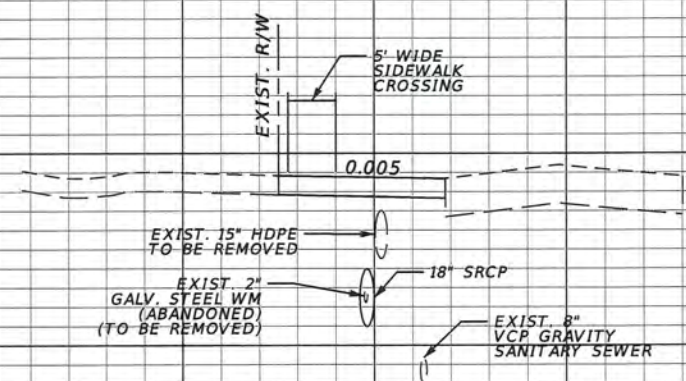
140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS		REVISIONS		ORANGE COUNTY GOVERNMENT FLORIDA	TLP ENGINEERING CONSULTANTS, INC 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHIKEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.		DRIVEWAY PROFILE SHEETS	SHEET NO. 16
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.		
						MOSELLE AVE.	CIP 2841-671		

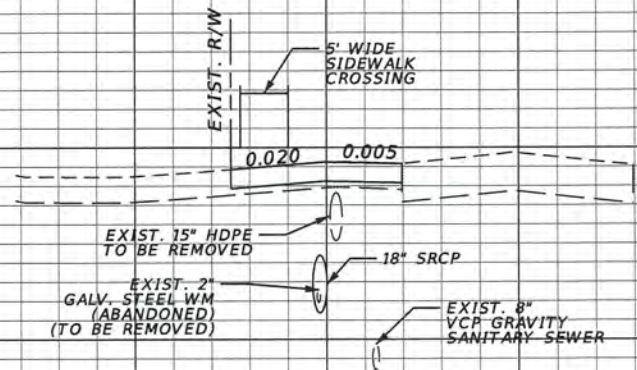


100  
98  
96  
94  
92  
90  
100  
98  
96  
94  
92  
90  
100  
98  
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94  
92  
90  
88

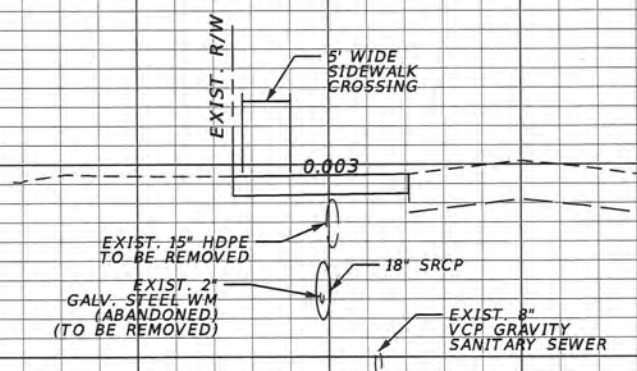
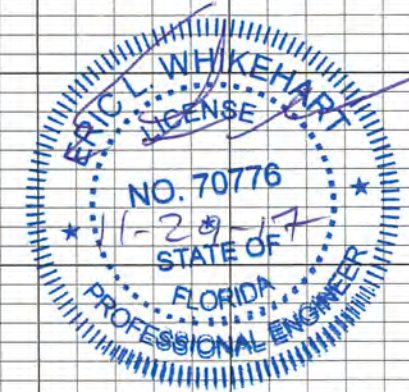
B CONST. MOSELLE AVE.



108+62.28



108+03.00



107+21.00

B CONST. MOSELLE AVE.

SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

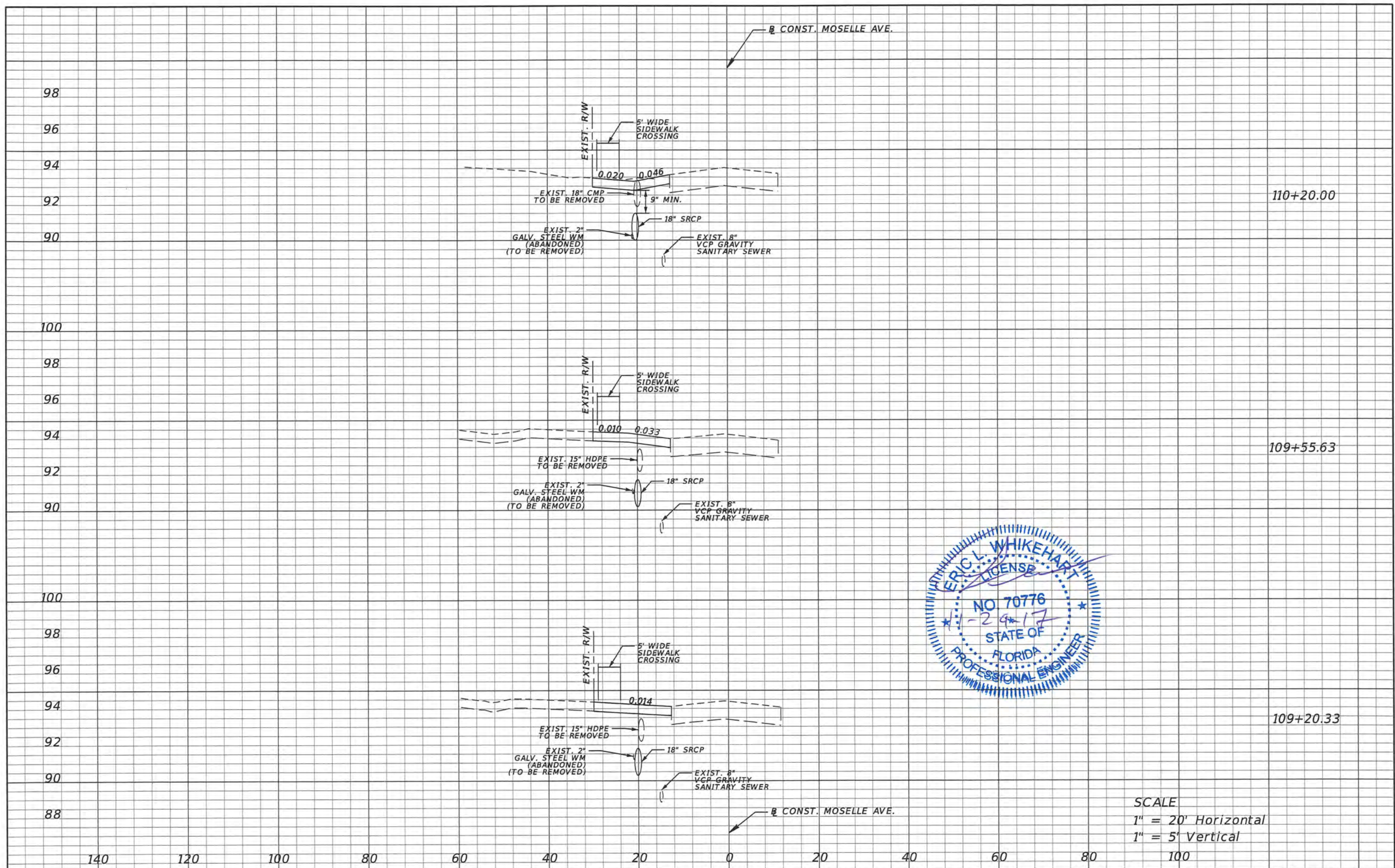


TLP ENGINEERING CONSULTANTS, INC  
11486 CORPORATE BLVD., SUITE 151  
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DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**DRIVEWAY PROFILE  
SHEETS**

SHEET NO.  
17



SCALE  
 1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

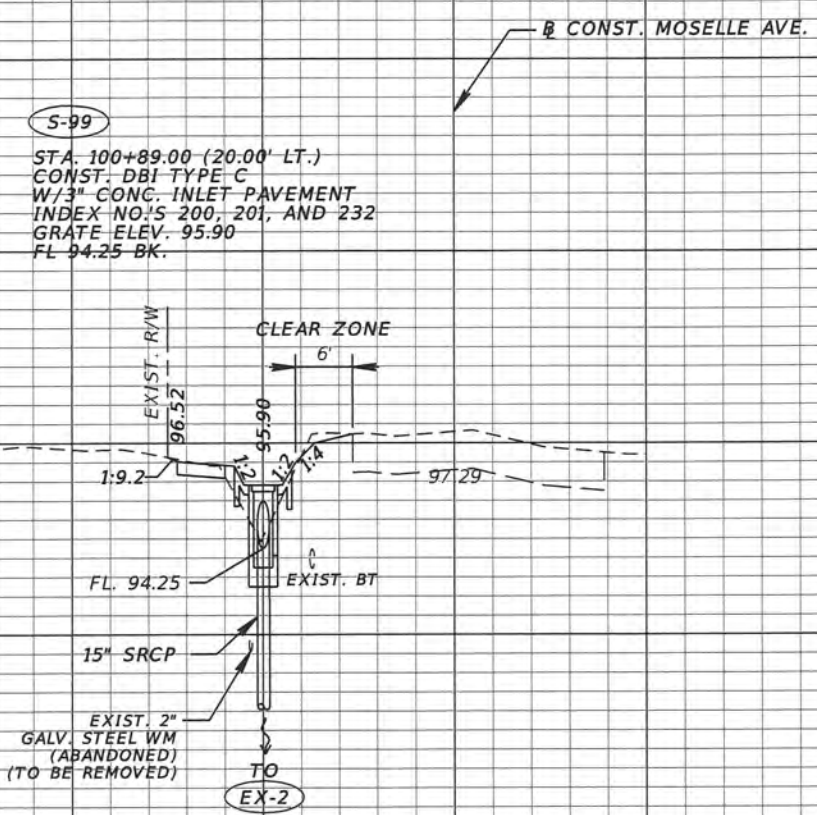
**ORANGE COUNTY GOVERNMENT**  
 TLP ENGINEERING CONSULTANTS, INC.  
 11486 CORPORATE BLVD., SUITE 151  
 ORLANDO, FL. 32817  
 PH. 407-901-5060  
 ERIC L. WHITEHART, P.E. 70776  
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DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**DRIVEWAY PROFILE SHEETS**

SHEET NO.  
18

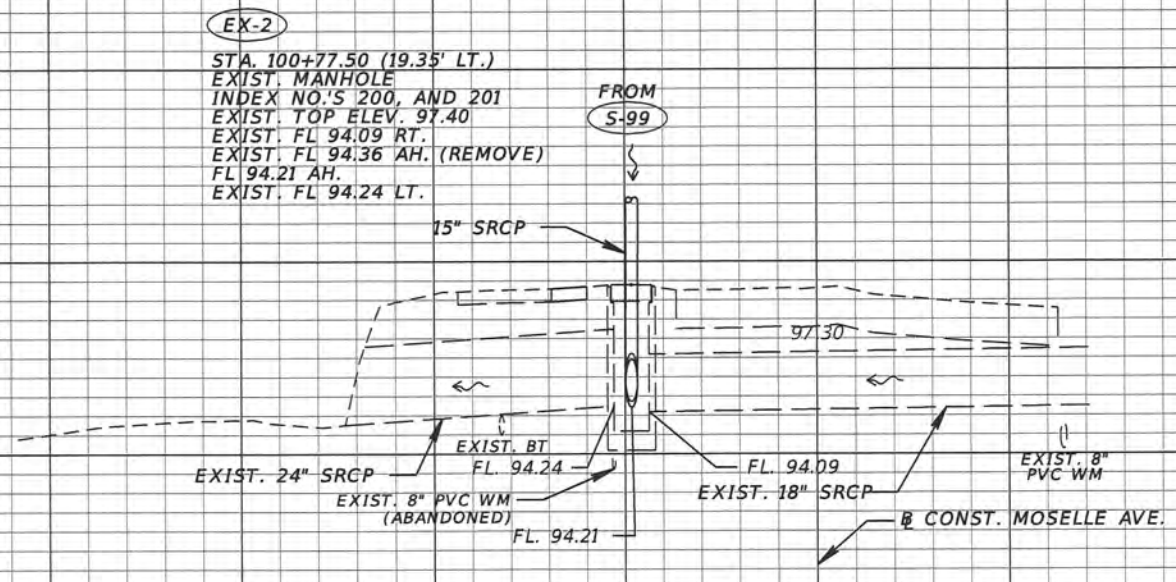
106  
104  
102  
100  
98  
96  
94  
92  
90  
88



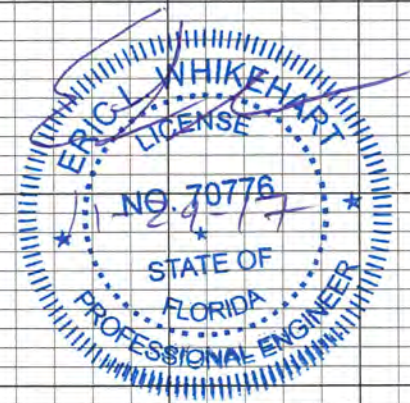
(S-99)  
STA. 100+89.00 (20.00' LT.)  
CONST. DBI TYPE C  
W/3" CONC. INLET PAVEMENT  
INDEX NO'S 200, 201, AND 232  
GRATE ELEV. 95.90  
FL 94.25 BK.

(S-99)  
100+89.00

104  
102  
100  
98  
96  
94  
92  
90



(EX-2)  
STA. 100+77.50 (19.35' LT.)  
EXIST. MANHOLE  
INDEX NO'S 200, AND 201  
EXIST. TOP ELEV. 97.40  
EXIST. FL 94.09 RT.  
EXIST. FL 94.36 AH. (REMOVE)  
FL 94.21 AH.  
EXIST. FL 94.24 LT.



(EX-2)  
100+77.50

SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

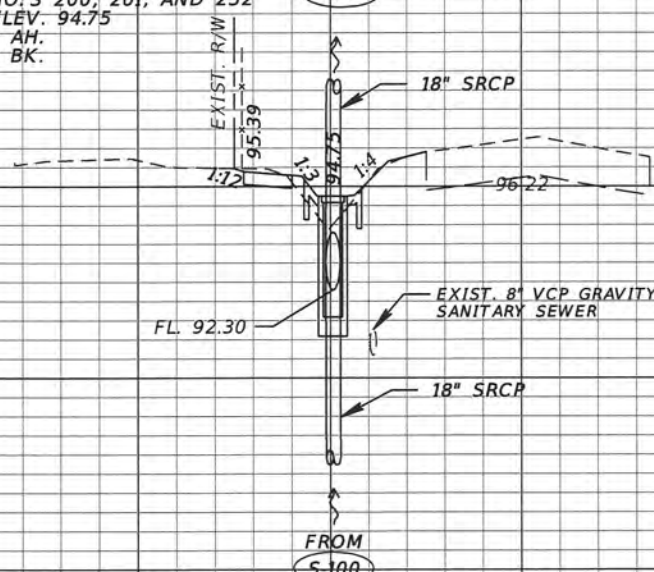
REVISIONS		DESCRIPTION		ORANGE COUNTY GOVERNMENT FLORIDA	TLP ENGINEERING CONSULTANTS, INC 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHITEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.		PROJECT NAME MOSELLE AVE.	PROJECT NO. CIP 2841-671	DRAINAGE STRUCTURES CROSS SECTION SHEETS	SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.				

102  
100  
98  
96  
94  
92  
90  
88  
86  
84

(S-101)

STA. 103+85.00 (18.50' LT.)  
CONST. DBI TYPE C  
W/3" CONC. INLET PAVEMENT  
INDEX NO.'S 200, 201, AND 232  
GRATE ELEV. 94.75  
FL 92.30 AH.  
FL 92.30 BK.

TO  
(S-102)



(S-101)

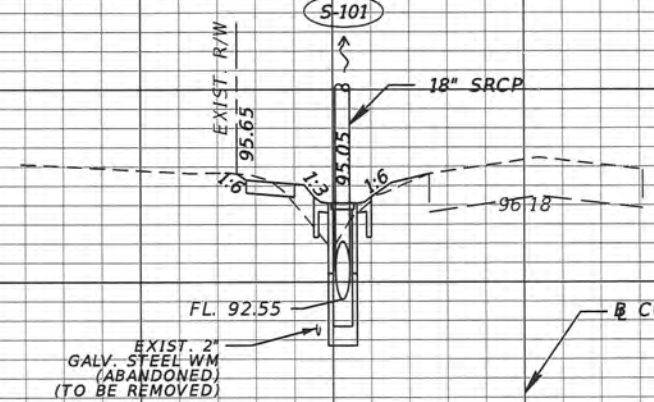
103+85.00

104  
102  
100  
98  
96  
94  
92  
90

(S-100)

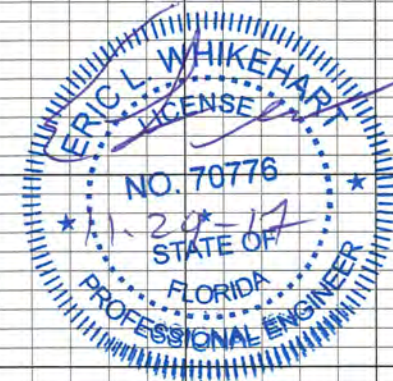
STA. 103+00.00 (19.00' LT.)  
CONST. DBI TYPE C  
W/3" CONC. INLET PAVEMENT  
INDEX NO.'S 200, 201, AND 232  
GRATE ELEV. 95.05  
FL 92.55 AH.

TO  
(S-101)



(S-100)

103+00.00



SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



TLP ENGINEERING CONSULTANTS, INC  
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DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**DRAINAGE STRUCTURES  
CROSS SECTION SHEETS**

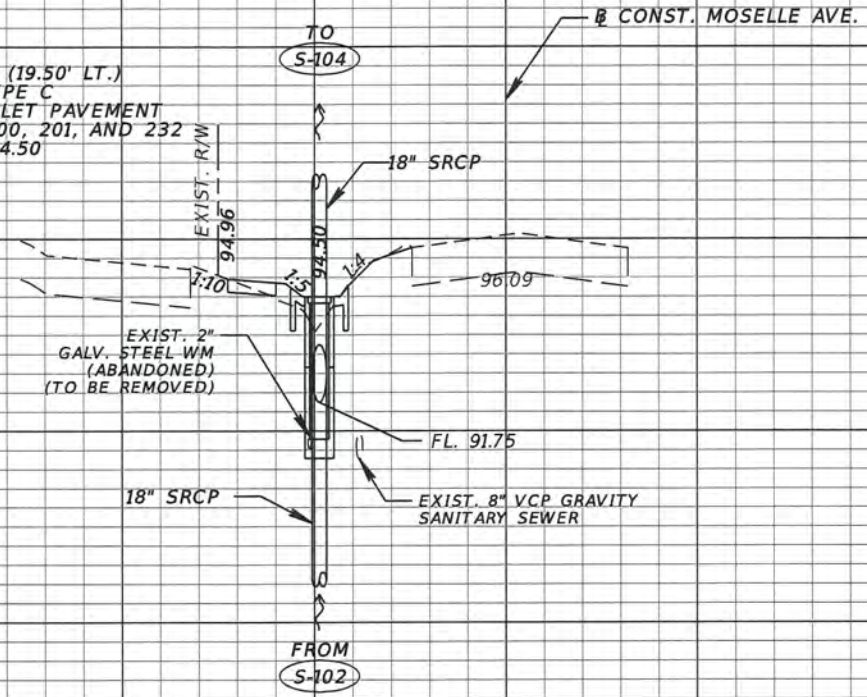
SHEET NO.  
20

102  
100  
98  
96  
94  
92  
90  
88  
86  
84

102  
100  
98  
96  
94  
92  
90  
88  
86  
84

S-103

STA. 104+86.00 (19.50' LT.)  
CONST. DBI TYPE C  
W/3" CONC. INLET PAVEMENT  
INDEX NO.'S 200, 201, AND 232  
GRATE ELEV. 94.50  
FL 91.75 AH.  
FL 91.75 BK.

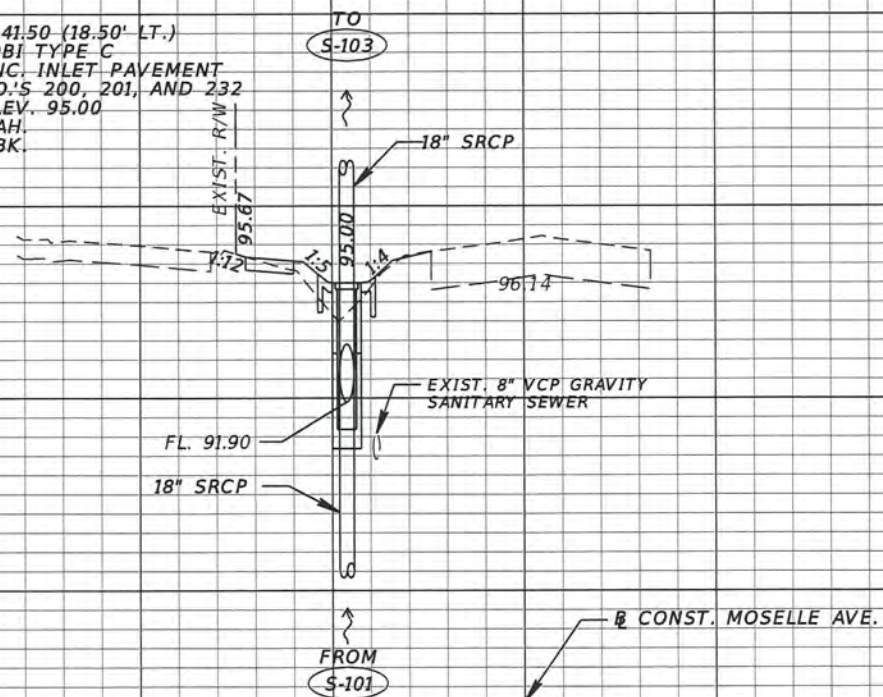


S-103

104+86.00

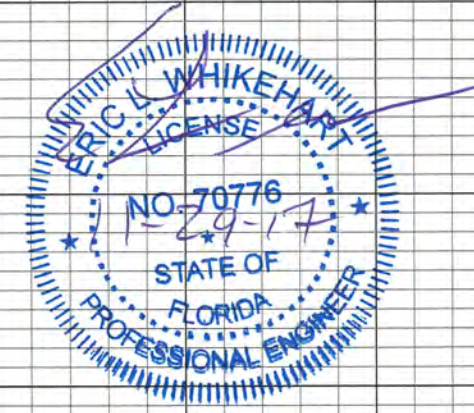
S-102

STA. 104+41.50 (18.50' LT.)  
CONST. DBI TYPE C  
W/3" CONC. INLET PAVEMENT  
INDEX NO.'S 200, 201, AND 232  
GRATE ELEV. 95.00  
FL 91.90 AH.  
FL 91.90 BK.



S-102

104+41.50



SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

REVISIONS		ORANGE COUNTY GOVERNMENT FLORIDA		TLP ENGINEERING CONSULTANTS, INC 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHITEHART, P.E. 70776 CERT. OF AUTH. #27205		DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEBY HWY. TO TURIN ST.		DRAINAGE STRUCTURES CROSS SECTION SHEETS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	PROJECT NAME	PROJECT NO.					
				MOSELLE AVE.	CIP 2841-671					21

100  
98  
96  
94  
92  
90  
88  
86  
84

S-105

STA. 106+95.00 (20.65' LT.)  
CONST. DBI TYPE C  
W/3" CONC. INLET PAVEMENT  
INDEX NO.'S 200, 201, AND 232  
GRATE ELEV. 93.90  
FL 91.05 AH.  
FL 91.05 BK.

TO  
S-106

EXIST. R/W  
94.39

18" SRCP

95.78

EXIST. 8" VCP GRAVITY  
SANITARY SEWER

FL. 91.05

18" SRCP

EXIST. 2" GALV. STEEL WM  
(ABANDONED)  
(TO BE REMOVED)

FROM  
S-104

S-105

106+95.00

102  
100  
98  
96  
94  
92  
90  
88  
86  
84

S-104

STA. 106+00.00 (20.50' LT.)  
CONST. DBI TYPE C  
W/3" CONC. INLET PAVEMENT  
INDEX NO.'S 200, 201, AND 232  
GRATE ELEV. 94.25  
FL 91.35 AH.  
FL 91.35 BK.

TO  
S-105

EXIST. R/W  
94.84

18" SRCP

95.67

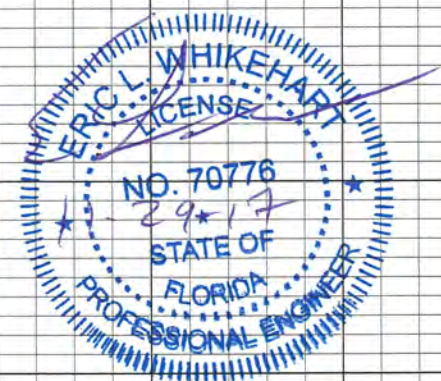
EXIST. 8" VCP GRAVITY  
SANITARY SEWER

FL. 91.35

18" SRCP

EXIST. 2" GALV. STEEL WM  
(ABANDONED)  
(TO BE REMOVED)

FROM  
S-103



S-104

106+00.00

CONST. MOSELLE AVE.

SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

REVISIONS	
DATE	DESCRIPTION



TLP ENGINEERING CONSULTANTS, INC  
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ORLANDO, FL. 32817  
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CERT. OF AUTH. #27205

DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**DRAINAGE STRUCTURES  
CROSS SECTION SHEETS**

SHEET NO.  
22

100

98

96

94

92

90

88

86

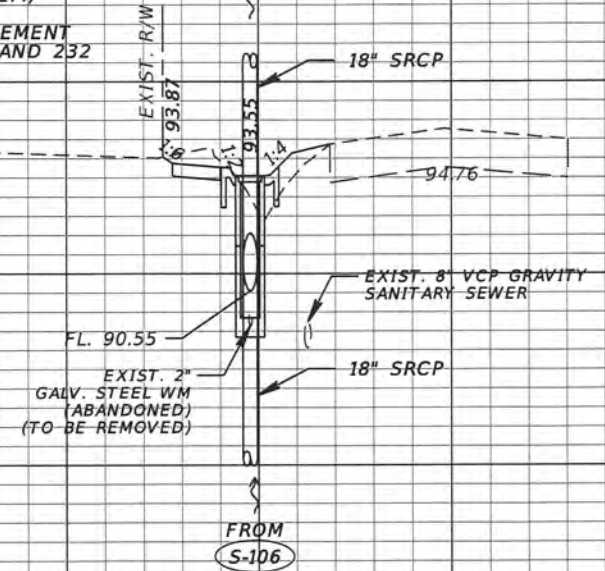
84

S-107

STA. 108+45.00 (20.90' LT.)  
 CONST. DBI TYPE C  
 W/3" CONC. INLET PAVEMENT  
 INDEX NO.'S 200, 201, AND 232  
 GRATE ELEV. 93.55  
 FL. 90.55 AH.  
 FL. 90.55 BK.

S-108

CONST. MOSELLE AVE.



S-107

108+45.00

100

98

96

94

92

90

88

86

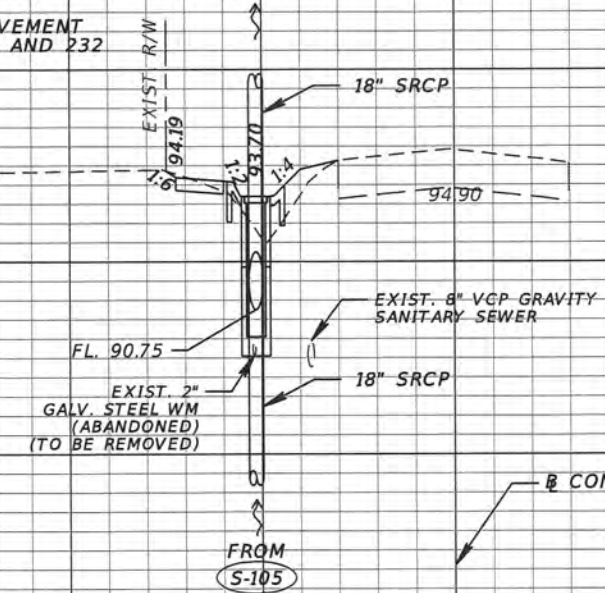
84

S-106

STA. 107+85.00 (20.65' LT.)  
 CONST. DBI TYPE C  
 W/3" CONC. INLET PAVEMENT  
 INDEX NO.'S 200, 201, AND 232  
 GRATE ELEV. 93.70  
 FL. 90.75 AH.  
 FL. 90.75 BK.

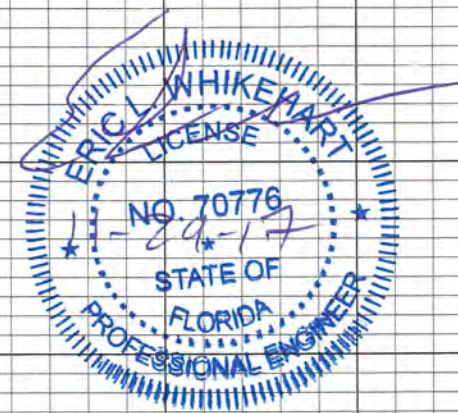
S-107

CONST. MOSELLE AVE.



S-106

107+85.00

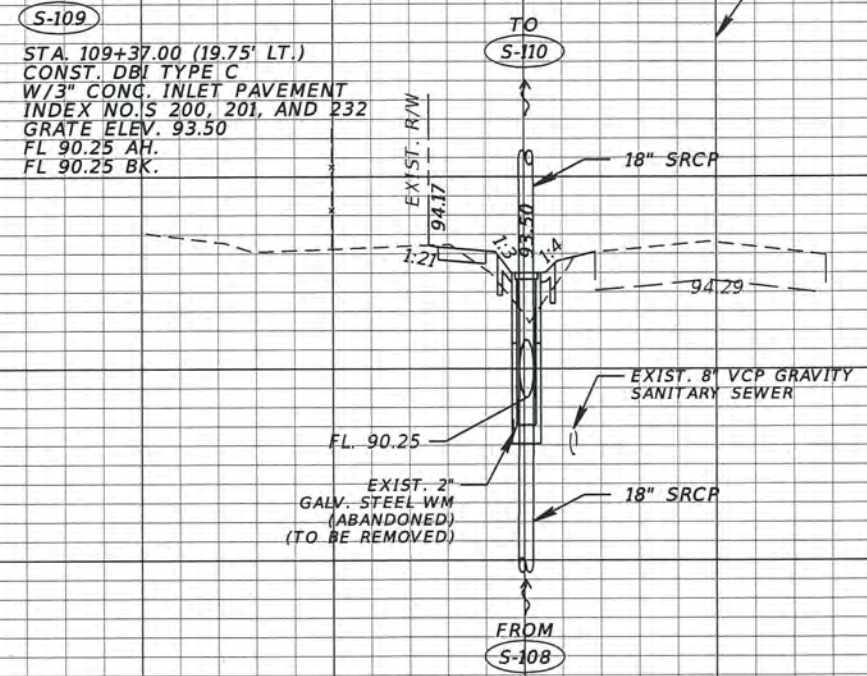


SCALE  
 1" = 20' Horizontal  
 1" = 5' Vertical

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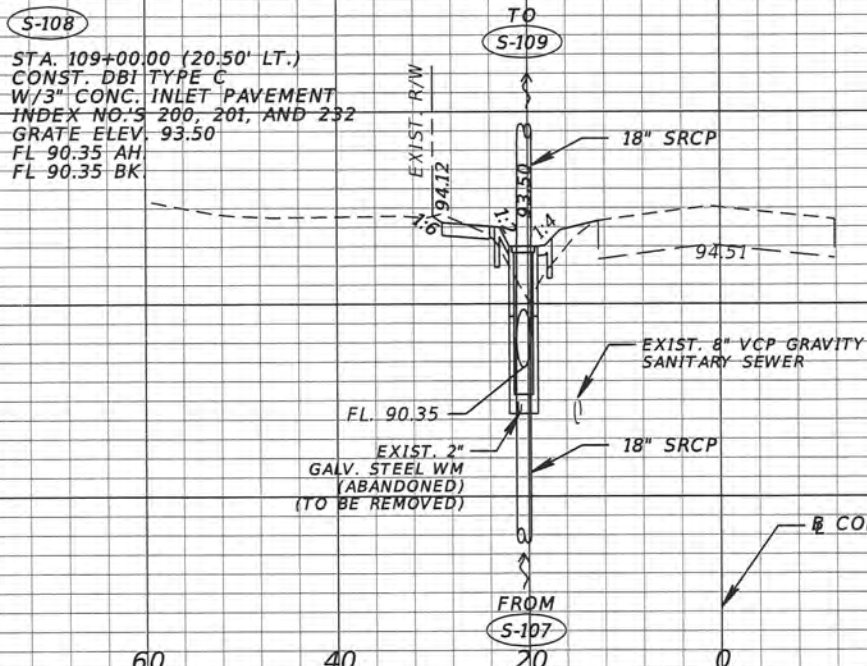
REVISIONS		DESCRIPTION		ORANGE COUNTY GOVERNMENT FLORIDA	TLP ENGINEERING CONSULTANTS, INC 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHITEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.		DRAINAGE STRUCTURES CROSS SECTION SHEETS	SHEET NO. 23
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.		
						MOSELLE AVE.	CIP 2841-671		

100  
98  
96  
94  
92  
90  
88  
86  
84

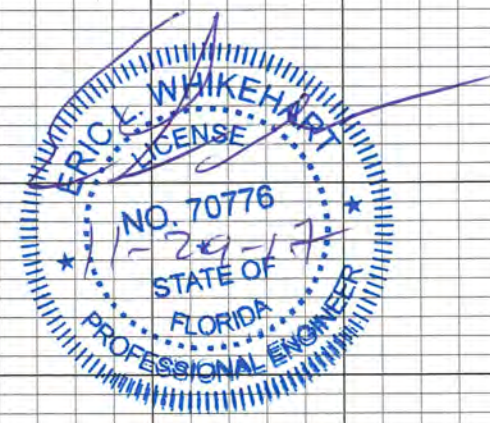


S-109  
109+37.00

100  
98  
96  
94  
92  
90  
88  
86  
84



S-108  
109+00.00

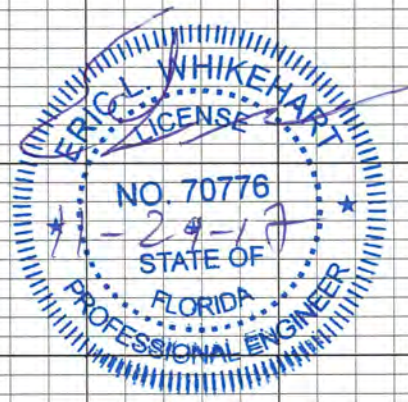
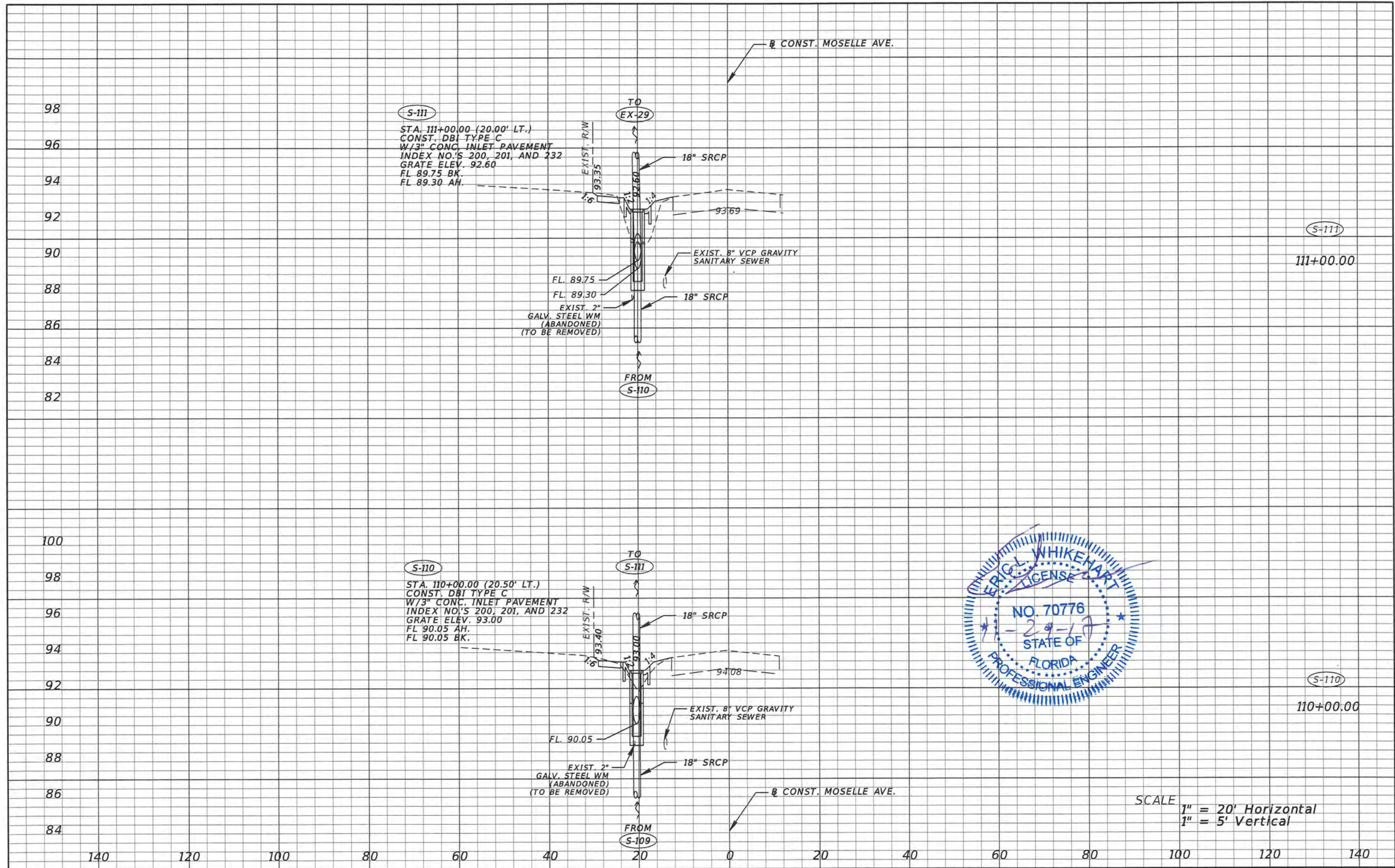


SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

REVISIONS		DESCRIPTION		ORANGE COUNTY GOVERNMENT FLORIDA	TLP ENGINEERING CONSULTANTS, INC 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHIKEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.		DRAINAGE STRUCTURES CROSS SECTION SHEETS	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.		
						MOSELLE AVE.	CIP 2841-671		





REVISIONS	
DATE	DESCRIPTION

**ORANGE COUNTY GOVERNMENT**

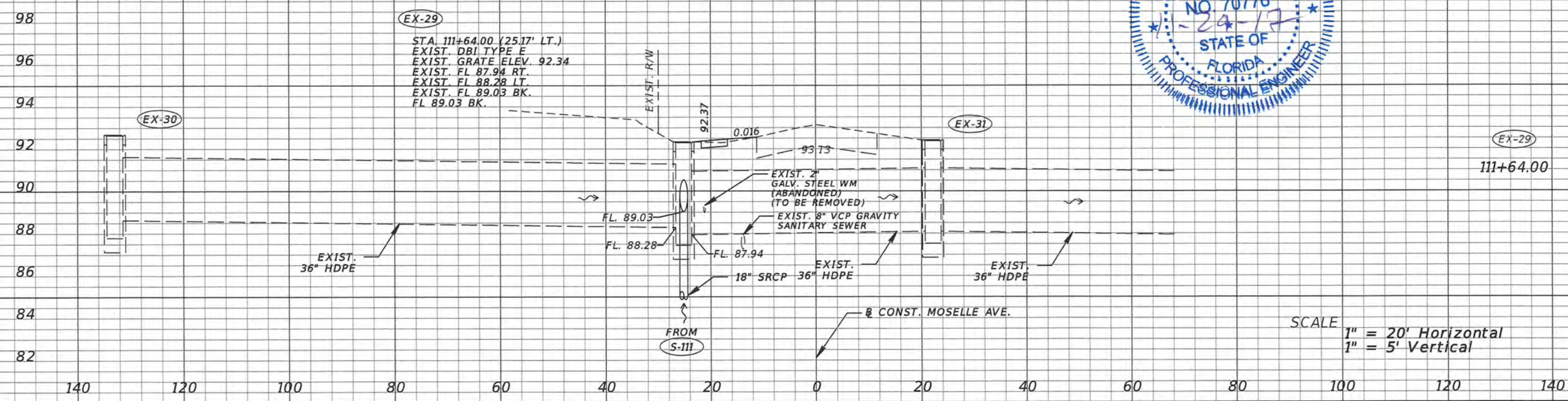
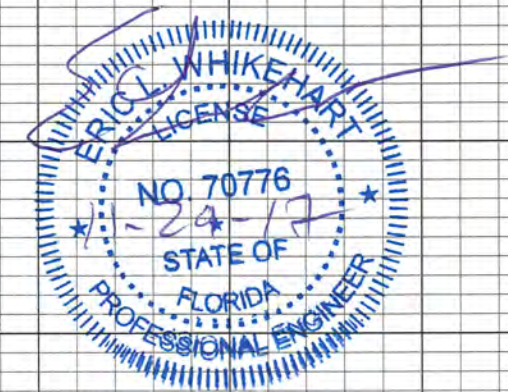
TLP ENGINEERING CONSULTANTS, INC  
 11486 CORPORATE BLVD., SUITE 151  
 ORLANDO, FL. 32817  
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 ERIC L. WHITEHART, P.E. 70776  
 CERT. OF AUTH. #27205

DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENBY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**DRAINAGE STRUCTURES  
 CROSS SECTION SHEETS**

SHEET NO.  
 25

CONST. MOSELLE AVE.



SCALE  
 1" = 20' Horizontal  
 1" = 5' Vertical

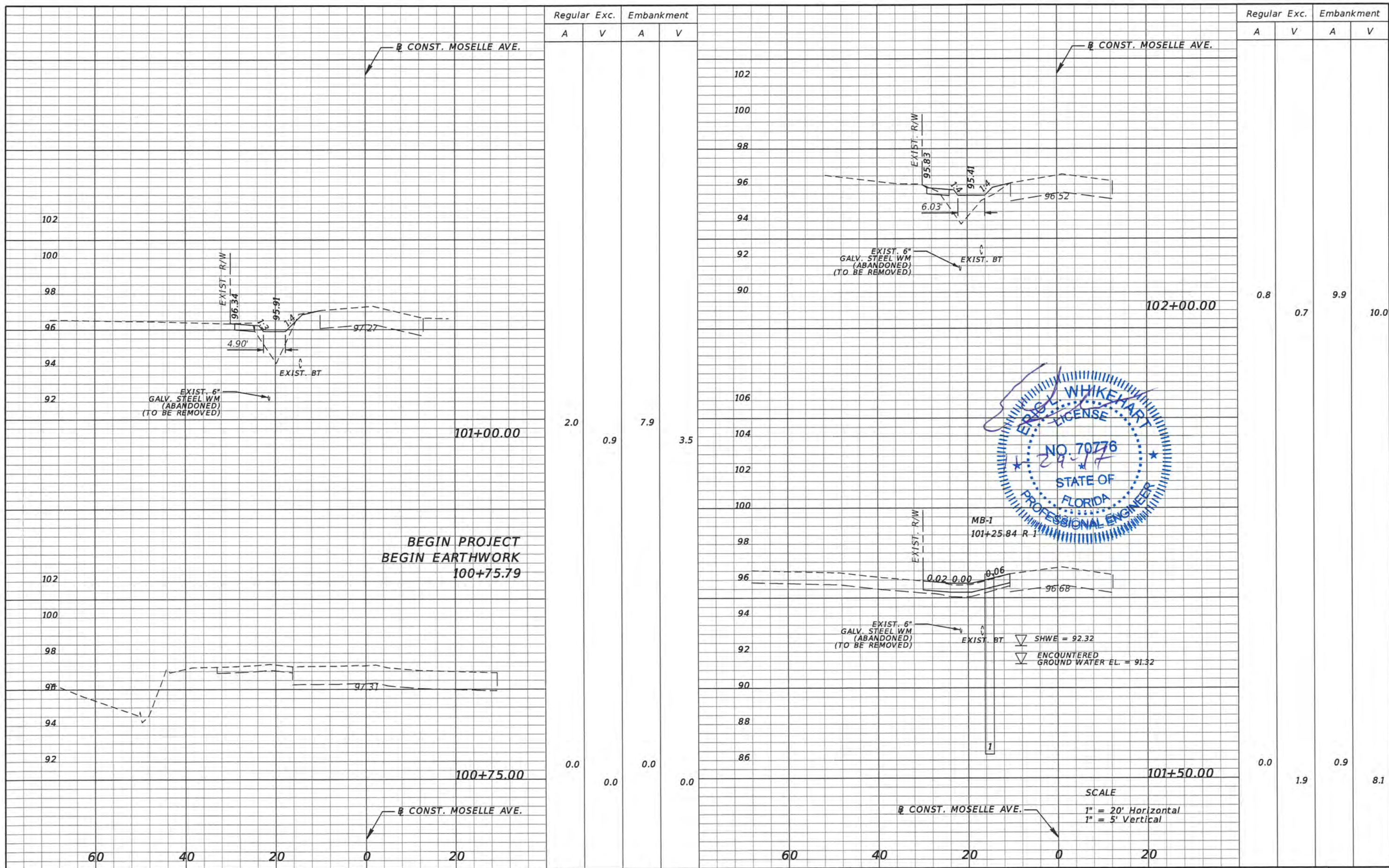
REVISIONS	
DATE	DESCRIPTION

**ORANGE COUNTY GOVERNMENT FLORIDA**  
 TLP ENGINEERING CONSULTANTS, INC.  
 11486 CORPORATE BLVD., SUITE 151  
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 ERIC L. WHITEHART, P.E. 70776  
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DESIGN PLANS FOR:  
 SIDEWALK IMPROVEMENTS FROM  
 OLD CHENEY HWY. TO TURIN ST.  
 PROJECT NAME: MOSELLE AVE.  
 PROJECT NO.: CIP 2841-671

**DRAINAGE STRUCTURES  
 CROSS SECTION SHEETS**

SHEET NO.  
 26



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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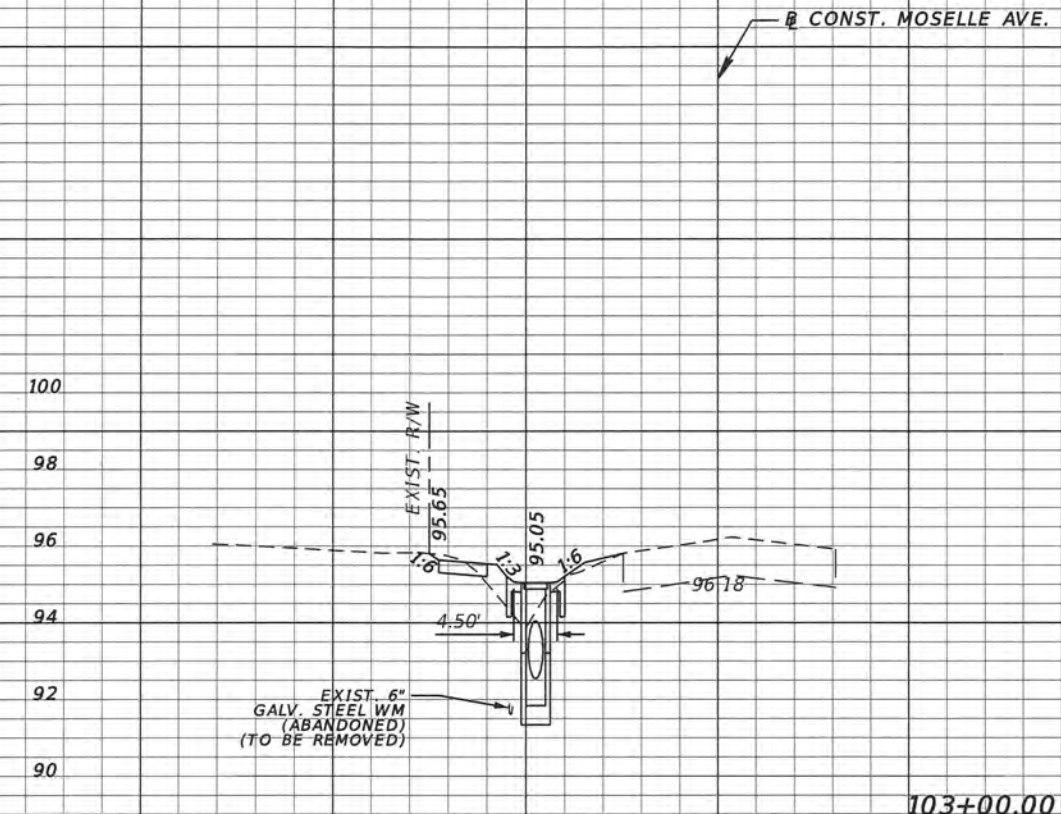
DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**SIDEWALK  
CROSS SECTIONS**

SHEET NO.  
27

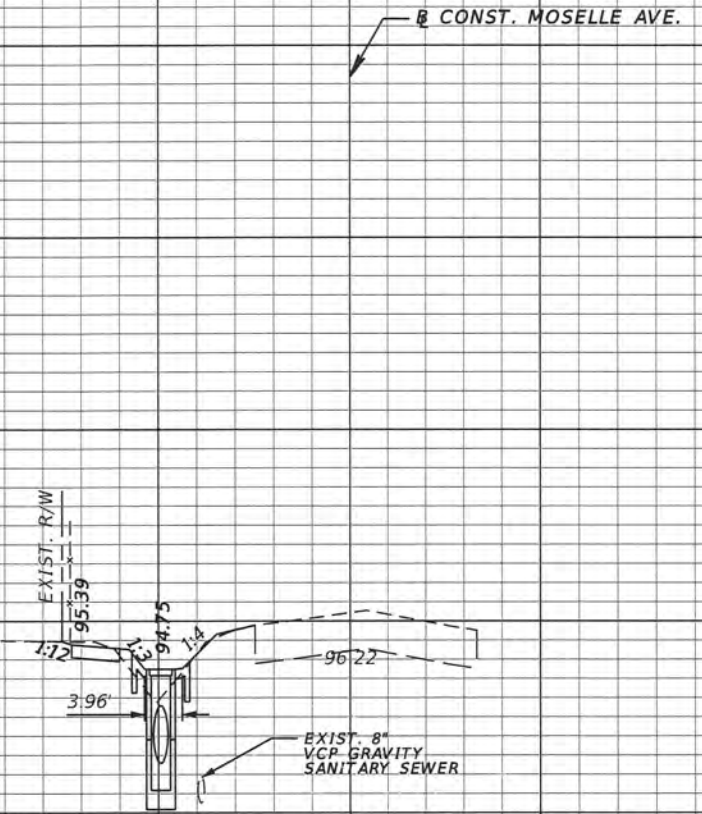
Regular Exc. Embankment  
A V A V

Regular Exc. Embankment  
A V A V



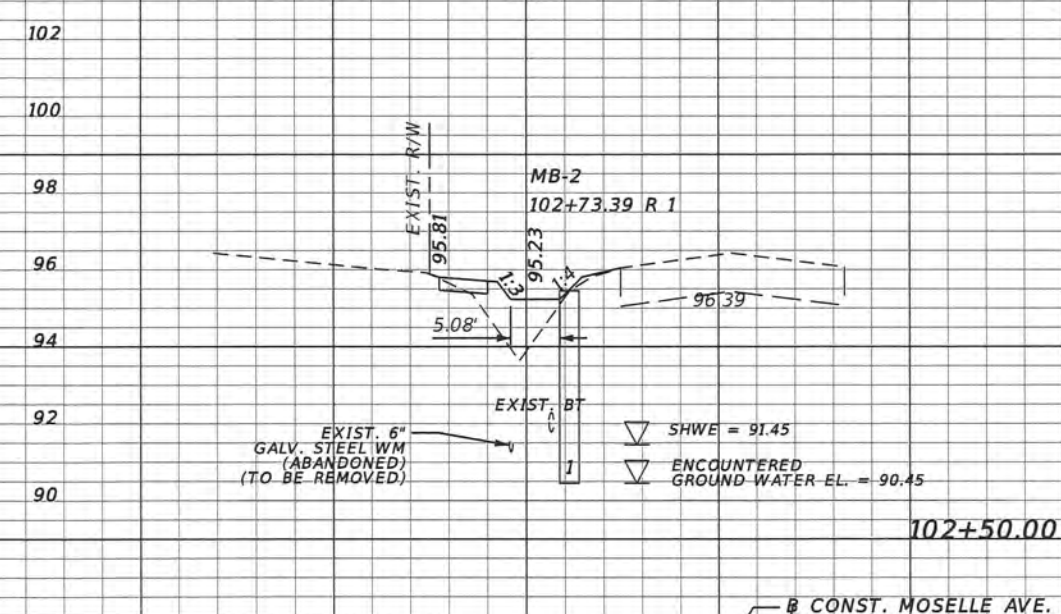
103+00.00

1.5 1.8 6.0 13.6



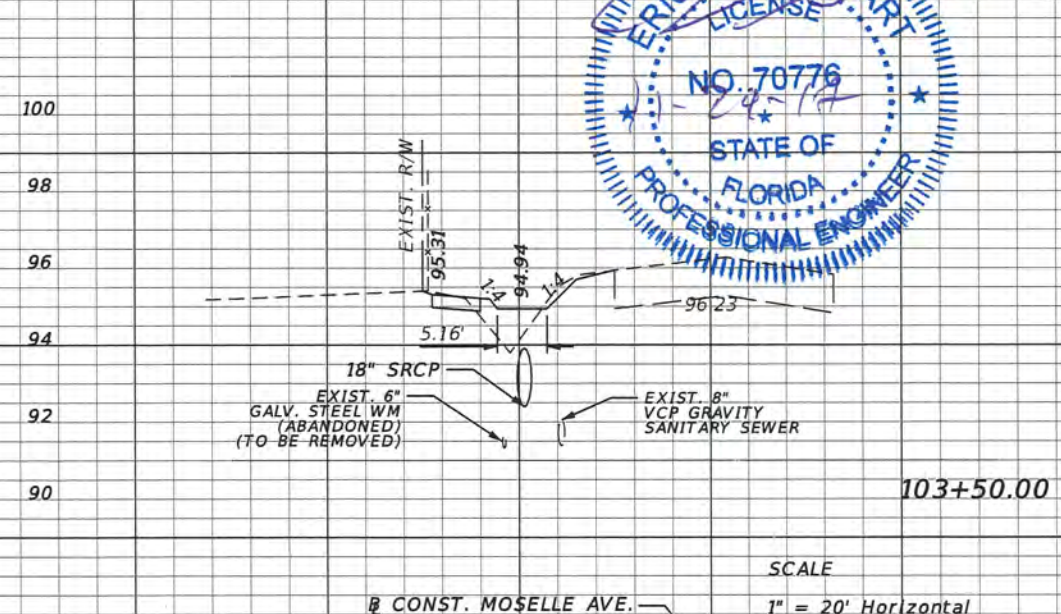
103+85.00

2.1 2.9 3.4 5.1



102+50.00

0.4 1.1 8.7 17.2



103+50.00

2.3 3.5 4.4 9.6

SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

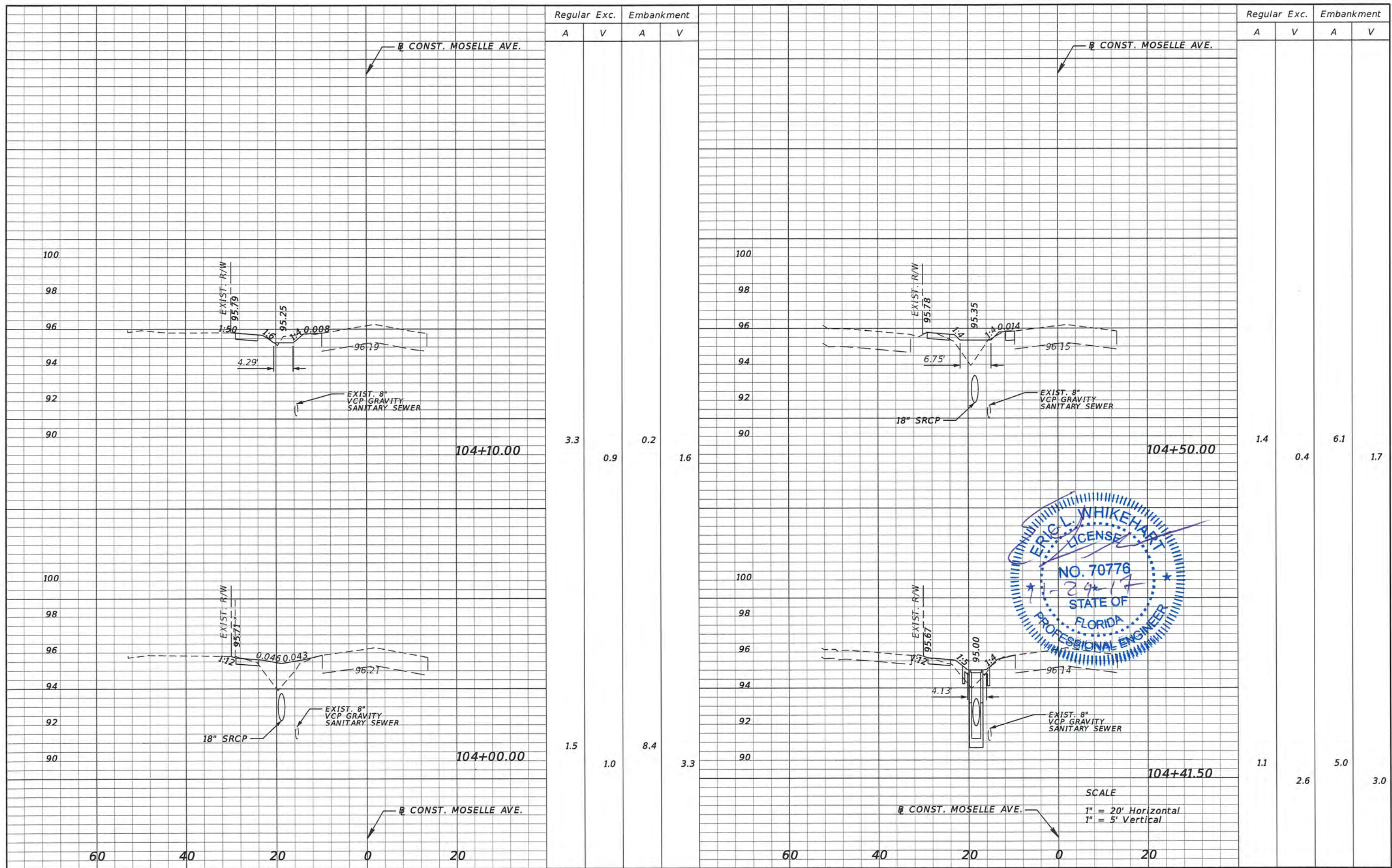
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ORANGE COUNTY GOVERNMENT**  
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DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENBY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**SIDEWALK CROSS SECTIONS**

SHEET NO.  
28



Regular Exc.		Embankment	
A	V	A	V
3.3	0.9	0.2	1.6
1.5	1.0	8.4	3.3

Regular Exc.		Embankment	
A	V	A	V
1.4	0.4	6.1	1.7
1.1	2.6	5.0	3.0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ORANGE COUNTY GOVERNMENT**  
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DESIGN PLANS FOR:  
**SIDEWALK IMPROVEMENTS FROM  
 OLD CHENEY HWY. TO TURIN ST.**

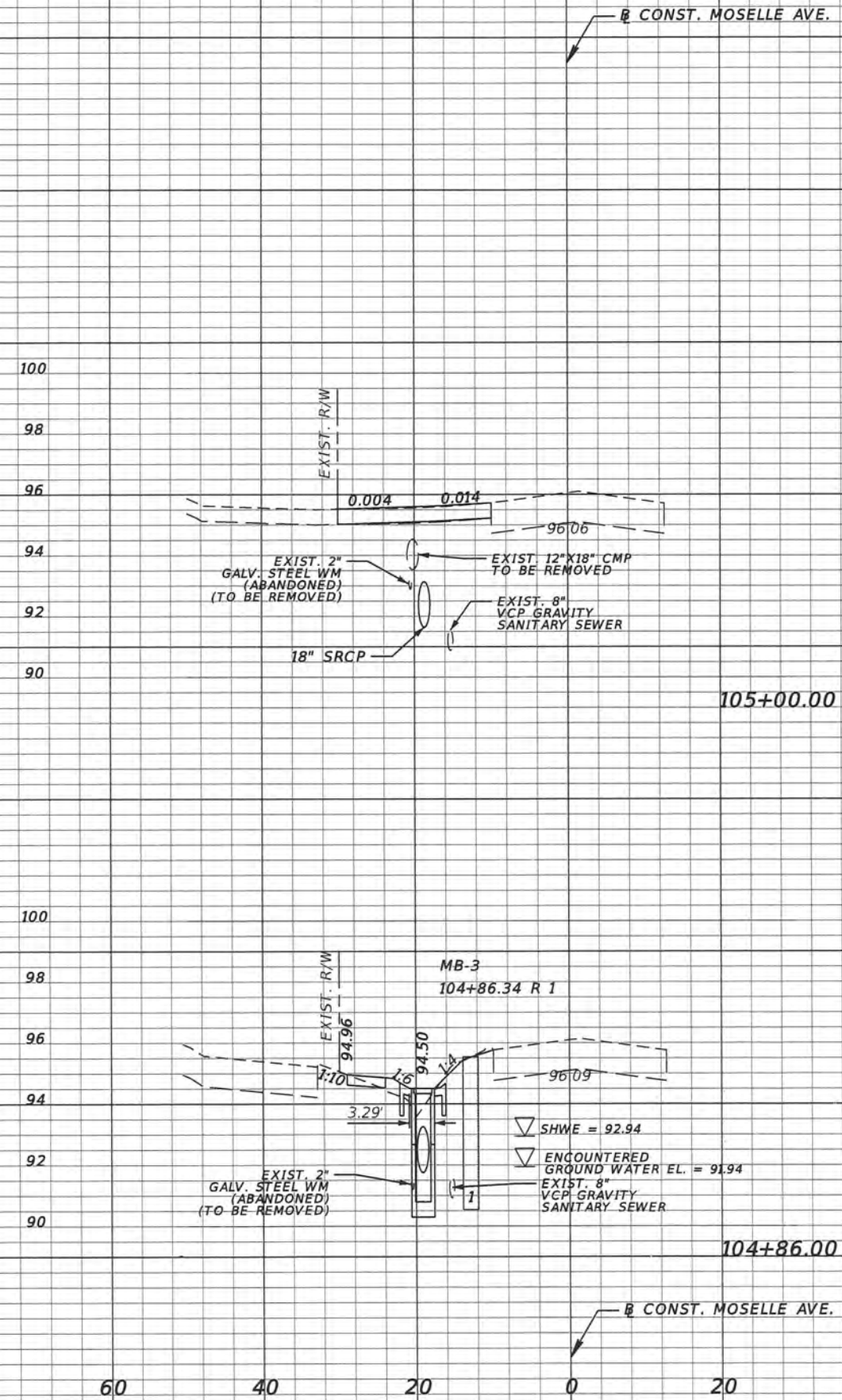
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

## SIDEWALK CROSS SECTIONS

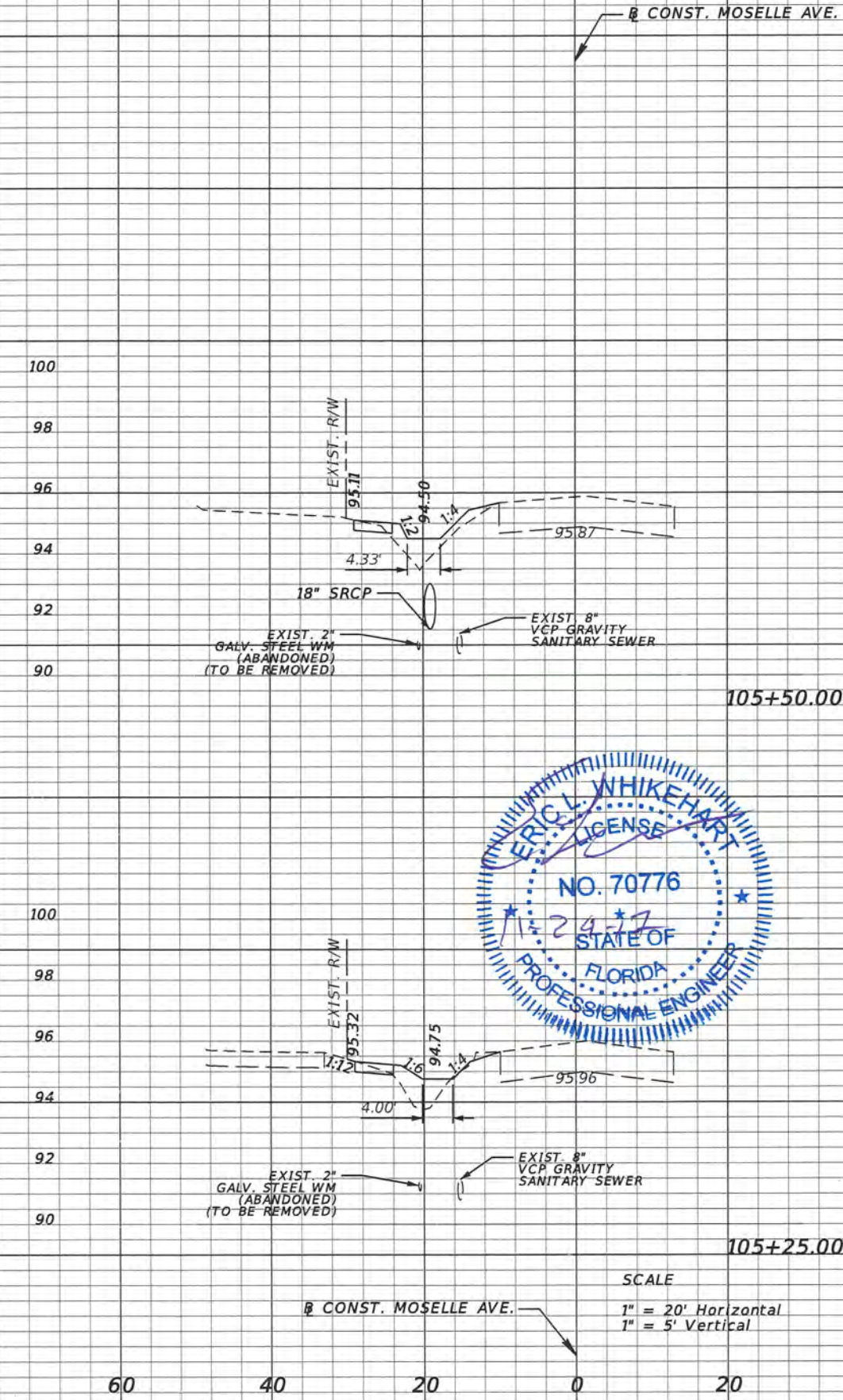
SHEET NO.  
29

Regular Exc. Embankment  
A V A V

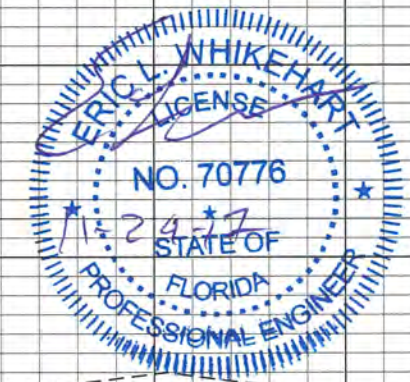
Regular Exc. Embankment  
A V A V



0.0	0.3	0.1	0.9
1.2	1.7	3.3	6.3



1.1	1.2	6.0	5.3
1.4	0.6	5.4	2.5



SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ORANGE COUNTY GOVERNMENT**  
 TLP ENGINEERING CONSULTANTS, INC.  
 11486 CORPORATE BLVD., SUITE 151  
 ORLANDO, FL. 32817  
 PH. 407-901-5060  
 ERIC L. WHITEHART, P.E. 70776  
 CERT. OF AUTH. #27205

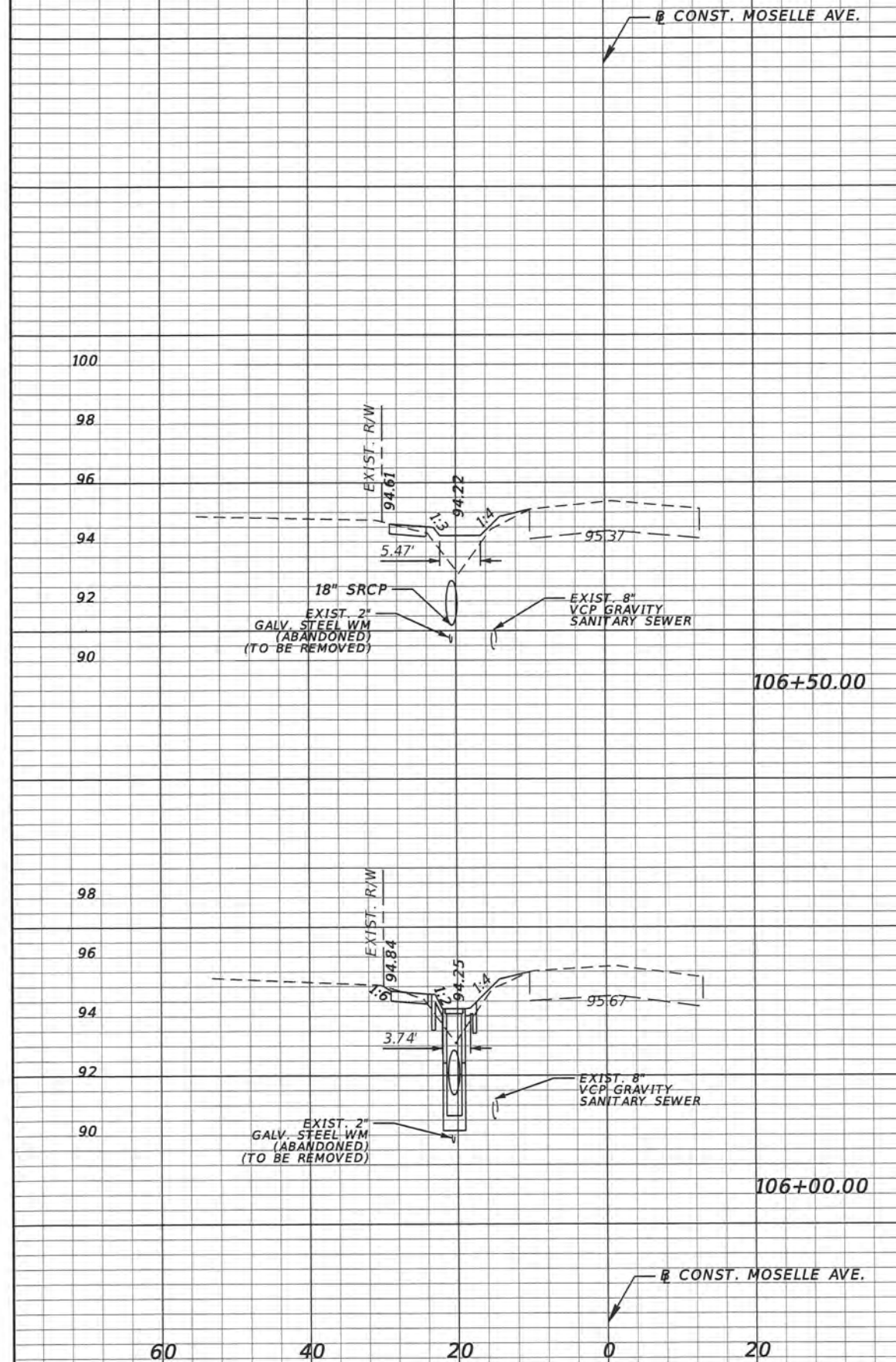
DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**SIDEWALK CROSS SECTIONS**

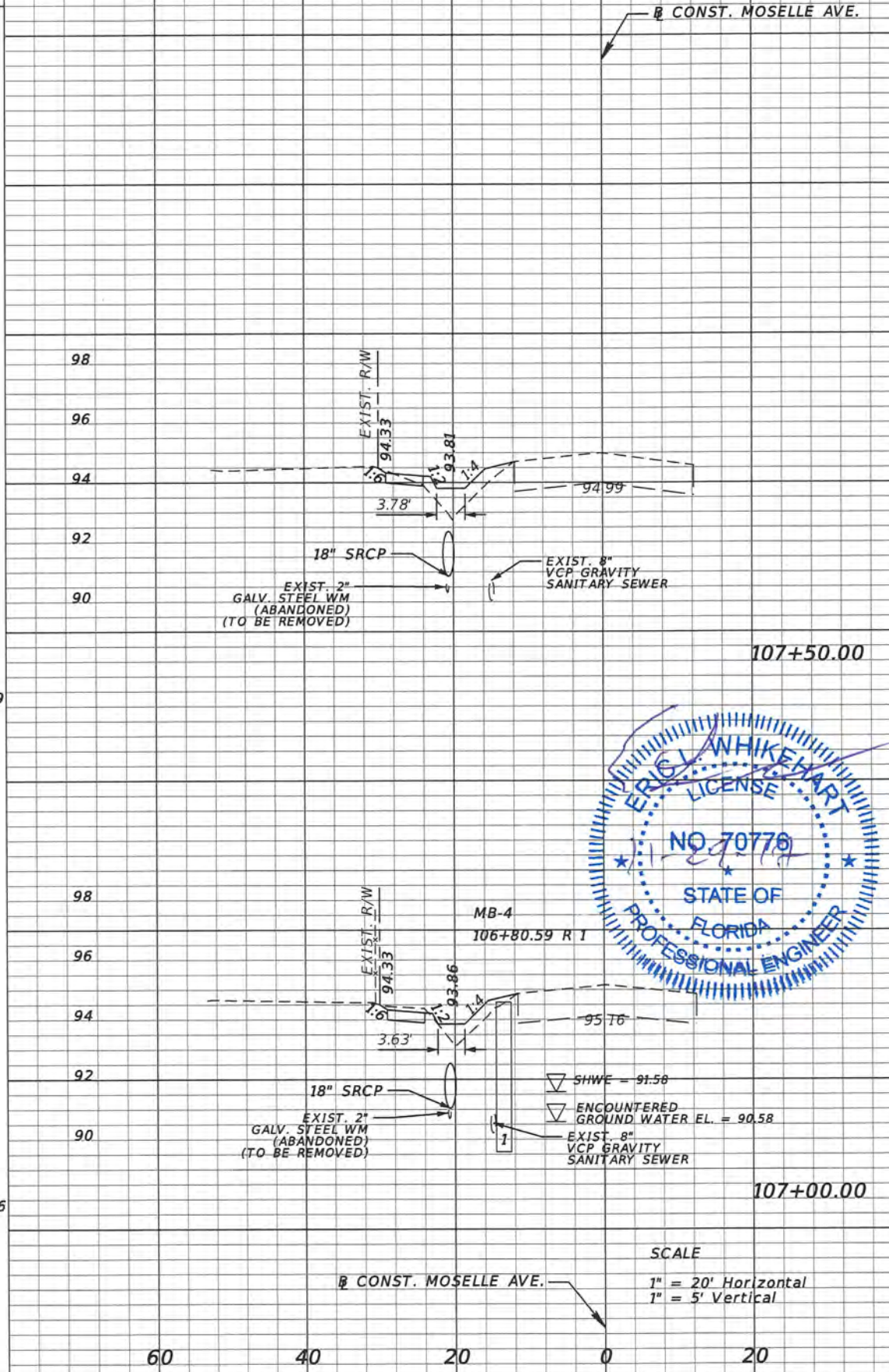
SHEET NO.  
30

Regular Exc. Embankment  
A V A V

Regular Exc. Embankment  
A V A V



1.2	2.4	6.3	10.9
1.4	2.3	5.5	10.6



1.1	3.2	6.2	9.5
2.4	3.3	4.1	9.6

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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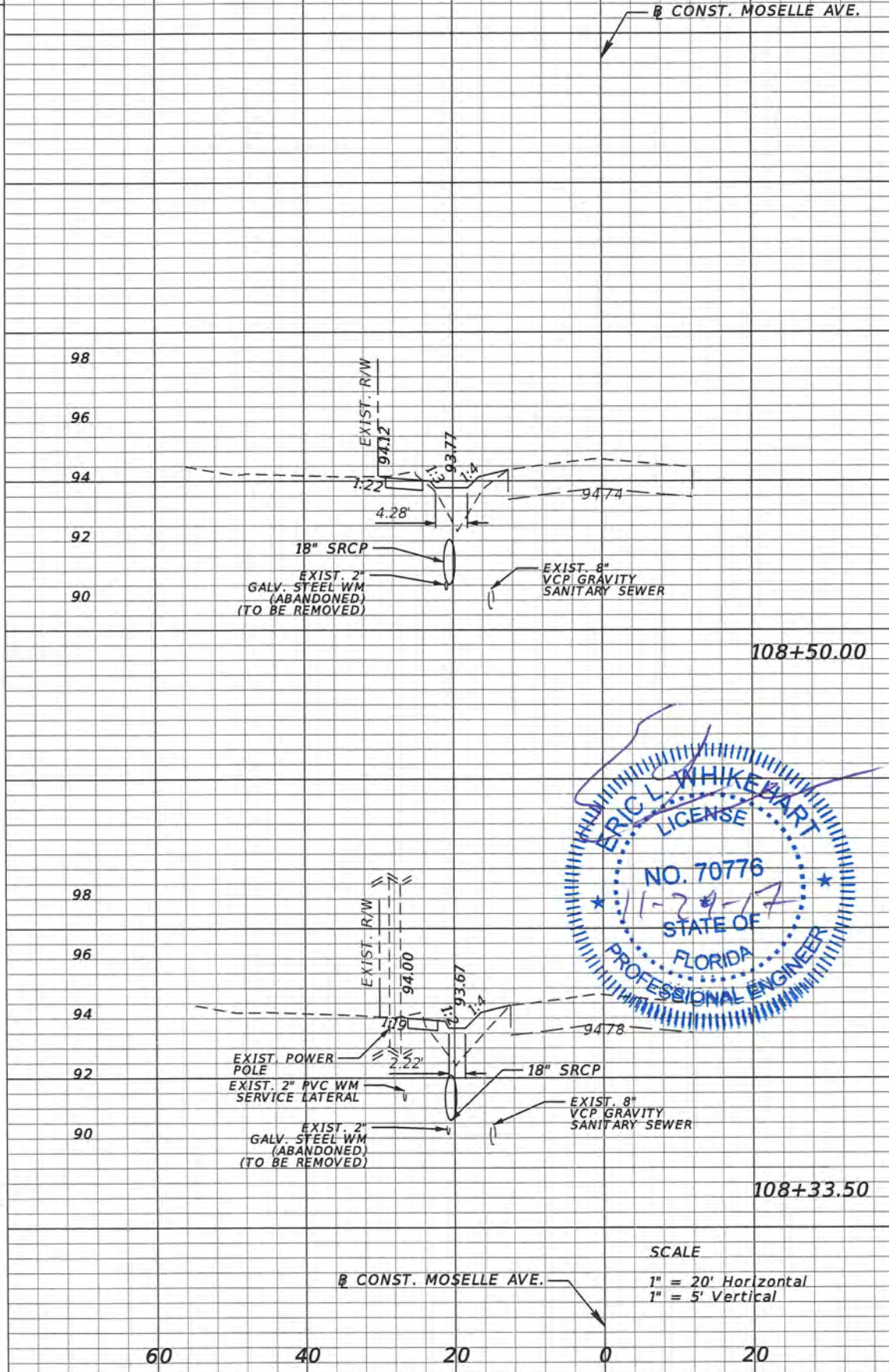
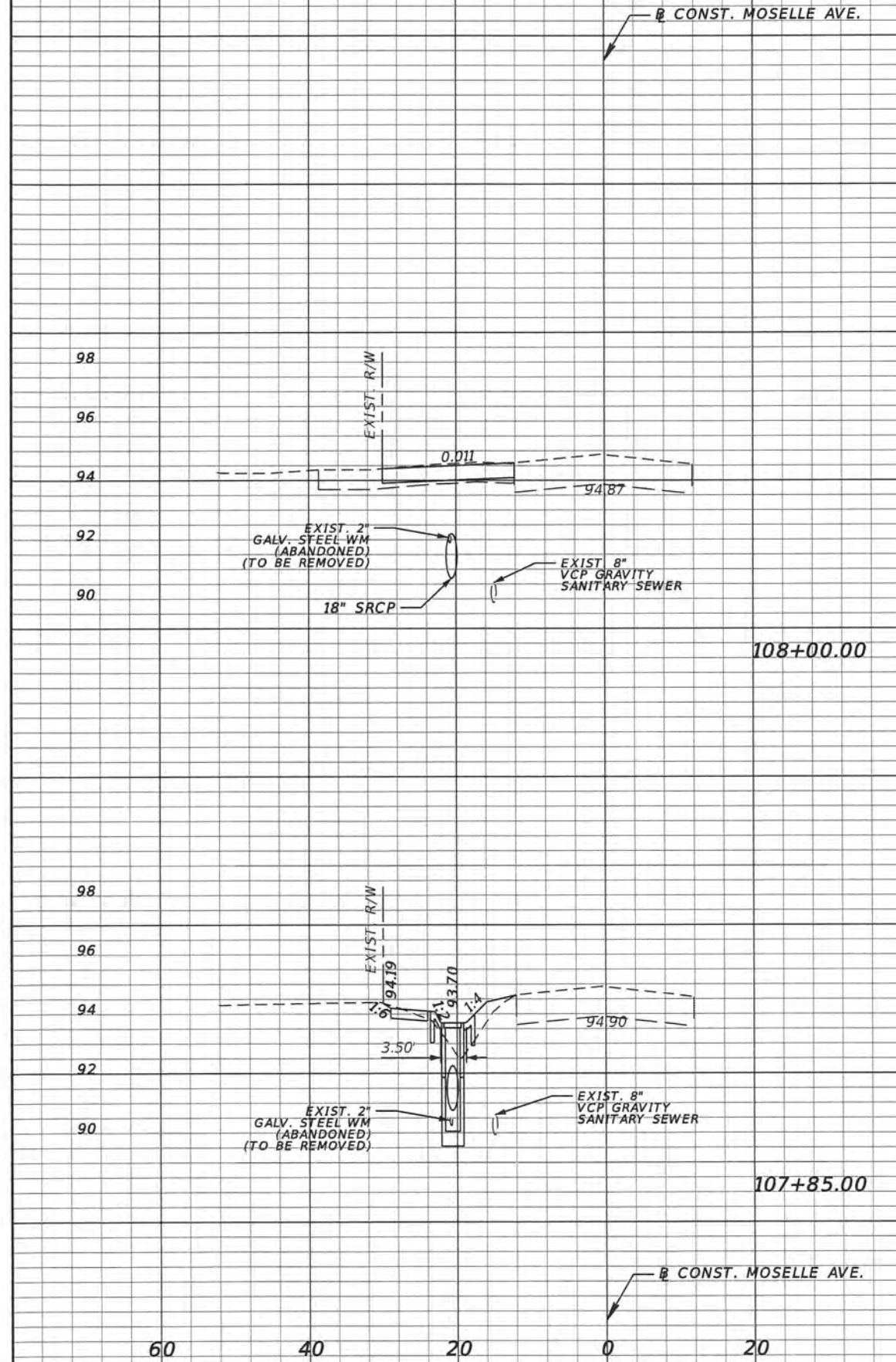
DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENBY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**SIDEWALK CROSS SECTIONS**

SHEET NO.  
31

Regular Exc. Embankment  
A V A V

Regular Exc. Embankment  
A V A V



SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

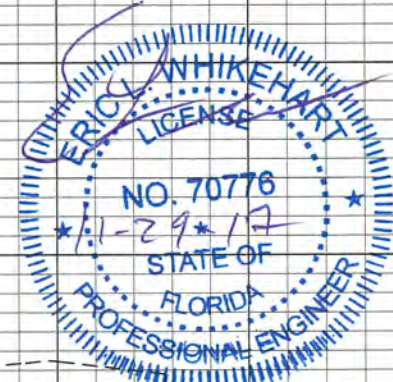
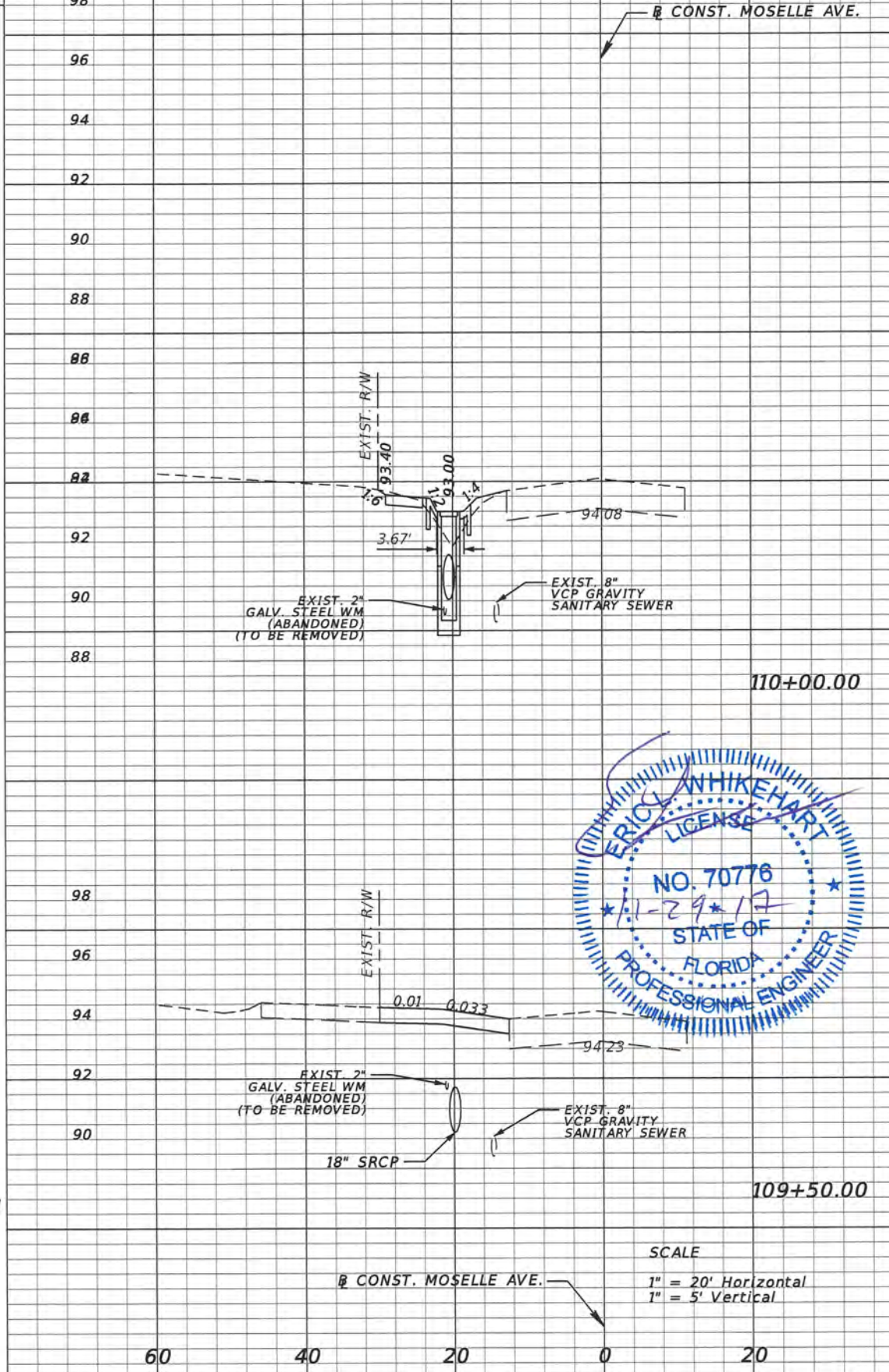
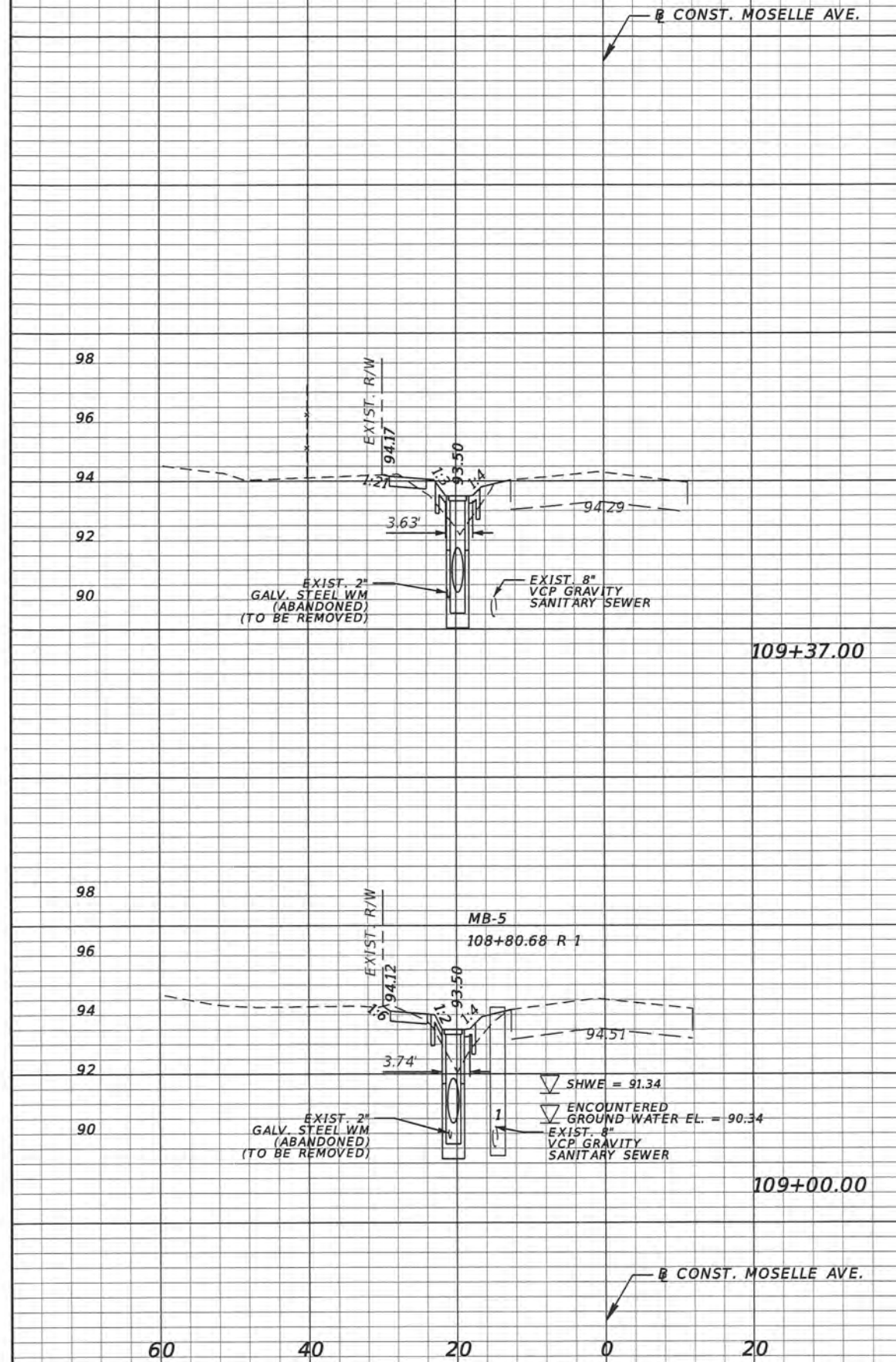
**SIDEWALK CROSS SECTIONS**

SHEET NO.  
32



Regular Exc. Embankment  
A V A V

Regular Exc. Embankment  
A V A V



SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ORANGE COUNTY GOVERNMENT**  
FLORIDA  
Tyler Renfro  
11/16/2017 5:43:55 PM

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PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**SIDEWALK CROSS SECTIONS**

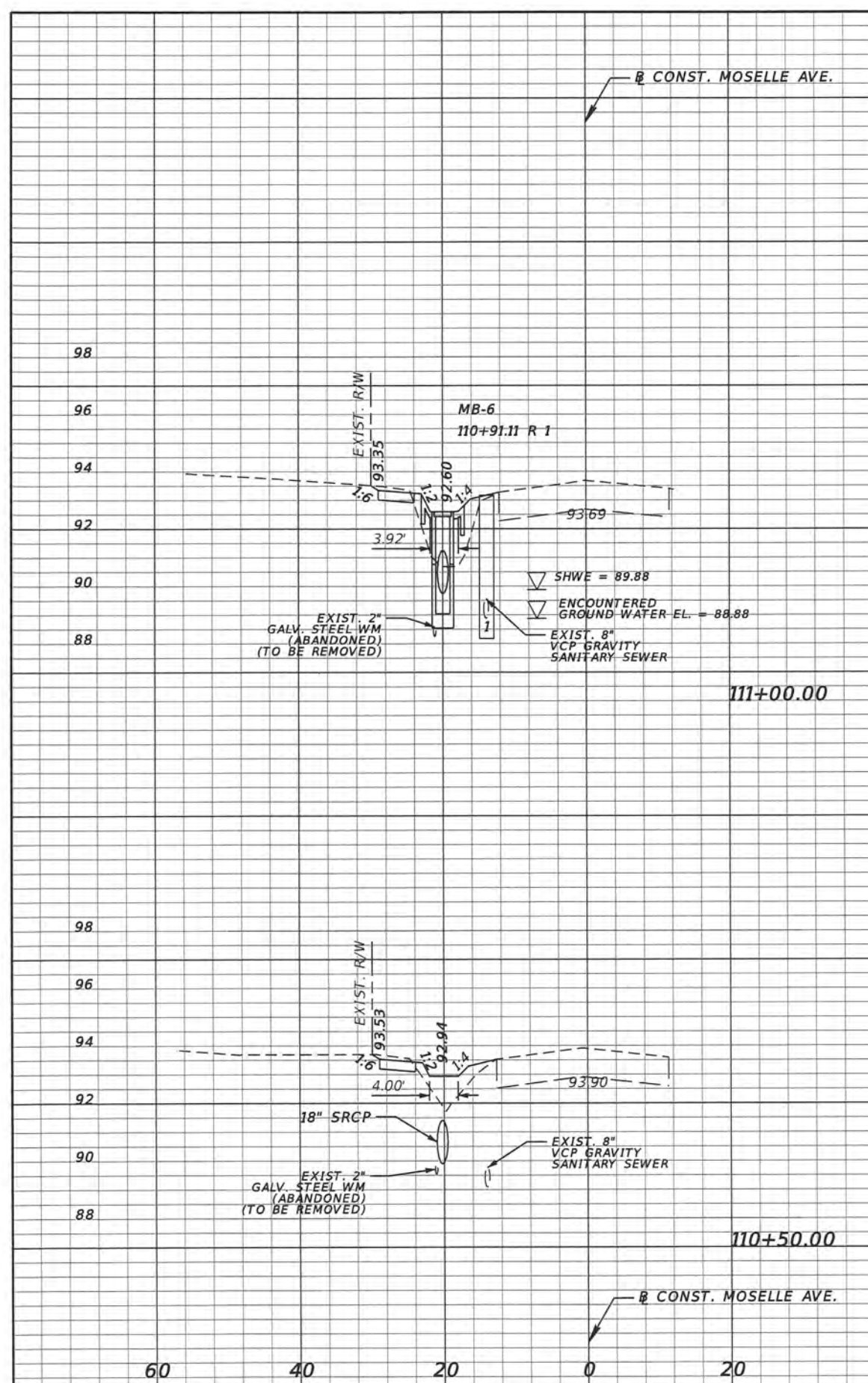
SHEET NO.  
33

Regular Exc. Embankment

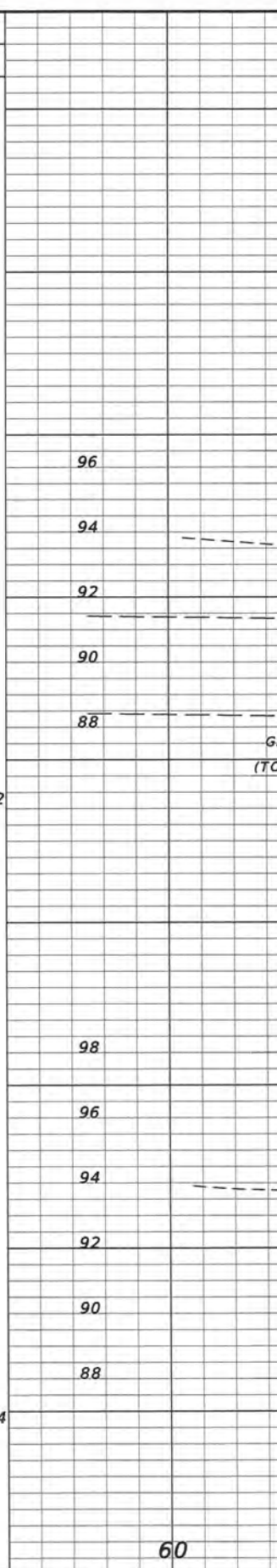
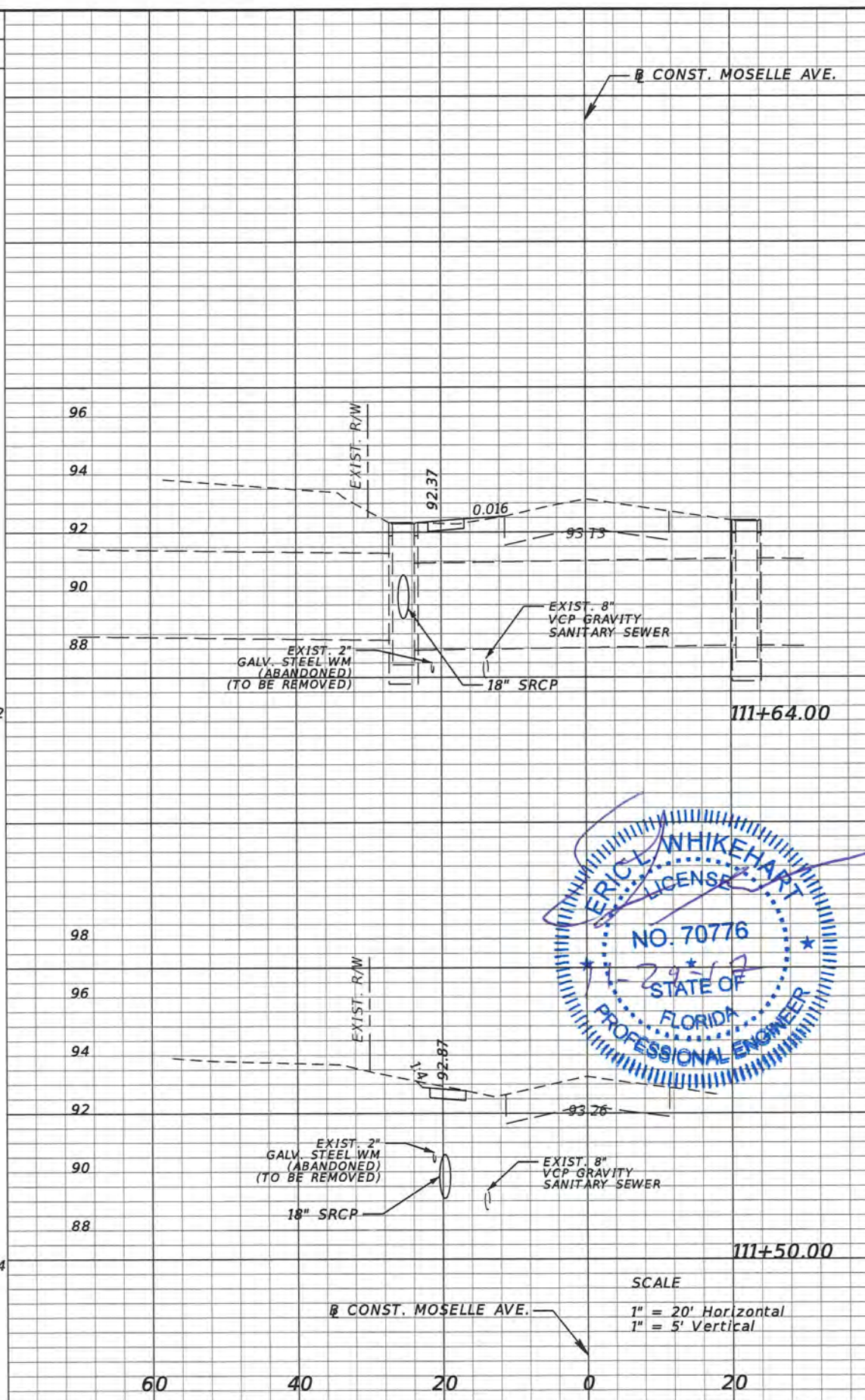
A V A V

Regular Exc. Embankment

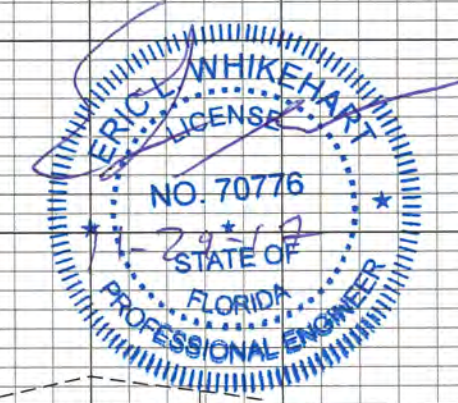
A V A V



2.2	4.2	13.6	18.2
2.3	3.8	6.1	10.4



1.1	0.9	0.4	0.1
2.3	4.2	0.0	12.6



SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

REVISIONS			
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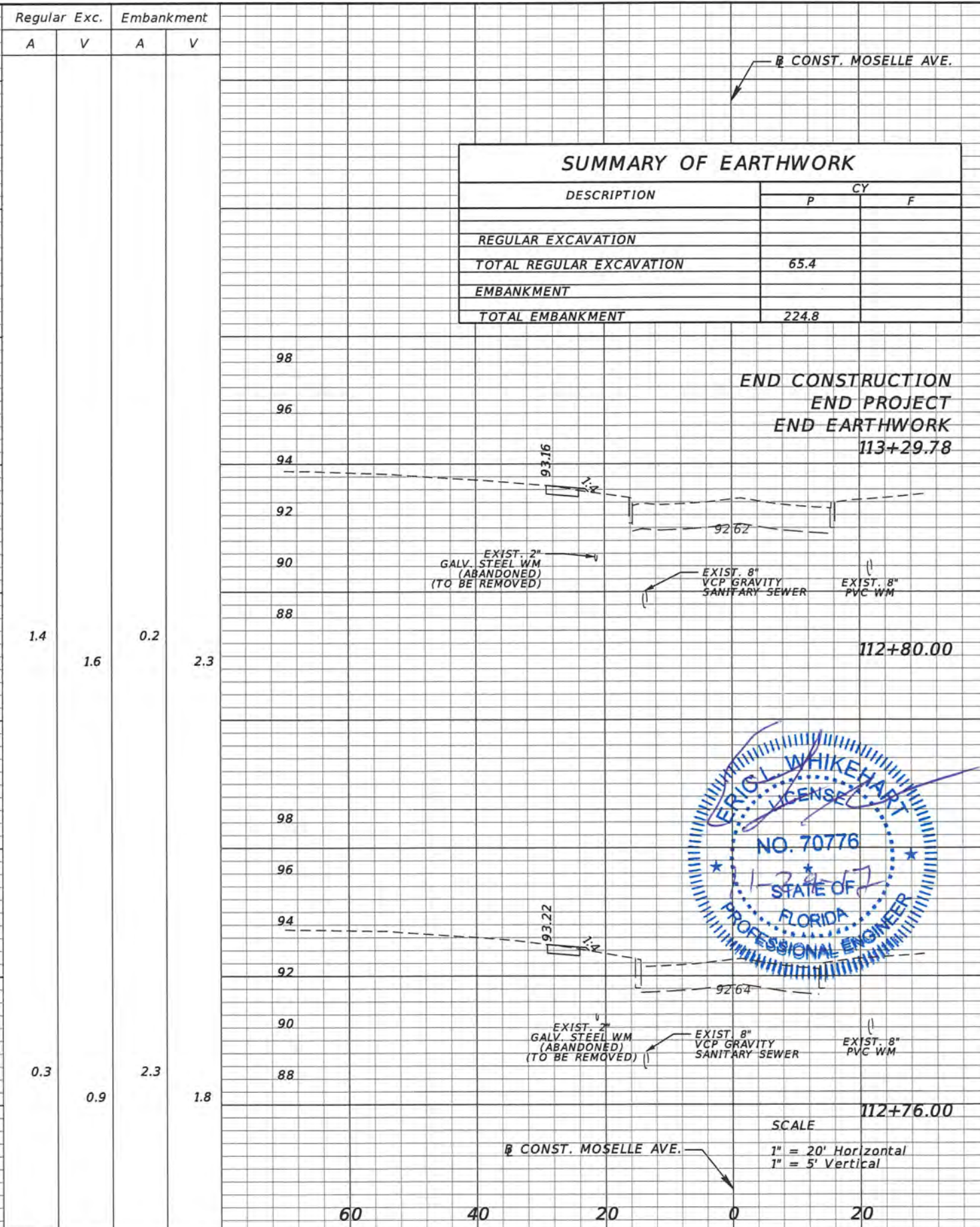
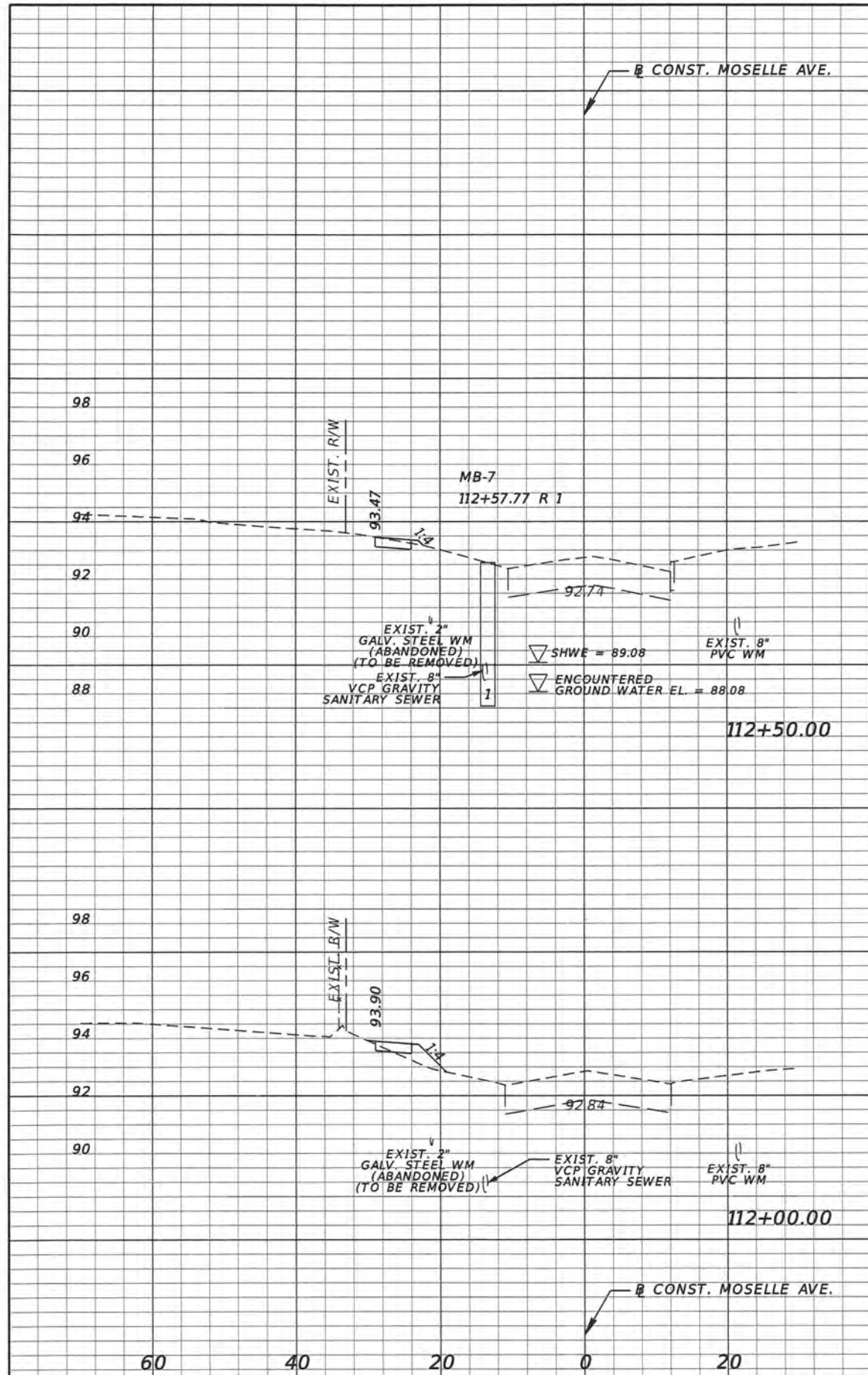
DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**SIDEWALK CROSS SECTIONS**

SHEET NO.  
34

Regular Exc. Embankment  
A V A V

Regular Exc. Embankment  
A V A V



SUMMARY OF EARTHWORK		
DESCRIPTION	CY	
	P	F
REGULAR EXCAVATION		
TOTAL REGULAR EXCAVATION	65.4	
EMBANKMENT		
TOTAL EMBANKMENT	224.8	

Regular Exc.	Embankment	Regular Exc.	Embankment
A	V	A	V
		TOTAL EXC. VOL.	TOTAL EMBK. VOL.
		65.4	224.8
1.4	1.6	1.5	0.6
0.3	0.9	6.9	4.0
		0.1	0.1
			0.0
			0.0
			0.1
			0.1



SCALE  
1" = 20' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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DESIGN PLANS FOR:	
SIDEWALK IMPROVEMENTS FROM OLD CHENY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**SIDEWALK CROSS SECTIONS**

SHEET NO.  
35

**1 SITE DESCRIPTION**

**A Construction Activity:**

This SWPPP is applicable to all phases of construction for this project and will apply to phased construction plans including, but not limited to, maintenance of traffic plans, roadway widening, and drainage improvements.

**Project limits:**

The project is located in central Orange County on Moselle Avenue from Old Cheney Highway to Turin Street. The project limits extend approximately 1,200 LF along Moselle Ave. in Section 21, Township 22 south, Range 30 east in Orange County, Florida.

**Project Description:**

The construction activities will take place over a 0.23 mile length of Moselle Ave. in Orange County, Florida. This project involves construction of a new sidewalk along the left (west) side of Moselle Ave. The existing swale and side drain system will be replaced with a shallow conveyance ditch and storm sewer system. The roadway limits will not be milled and resurfaced, disturbed permanent pervious area will be sodded with performance turf.

**B Major Soil Disturbing Activities:**

Soil disturbing activities are associated with the construction of the new sidewalk, and storm sewer.

Clear and grub the area necessary to install perimeter erosion controls before beginning any work off pavement for the construction phase. Remove perimeter controls only after all upstream areas are stabilized.

**C Area Estimates:**

Total Project Area: 1.76 acres.  
Total Area To Be Disturbed: 0.53 acres.

**E Runoff Data:**

(1) runoff coefficients before, during, and after construction:

**Runoff Coefficients:**

- Grassed Area Adjacent To Pavement, C = 0.20
- Impervious Surface, C = 0.95
- Disturbed Areas During Construction, C = 0.40

Before Construction C = 0.30  
During Construction C = 0.37  
After Construction C = 0.50

(2) Description of Soil or Quality of Discharge:

The soils within the project limits are comprised primarily of fine sand and are classified as hydrologic group A/D. The most common soil type is Smyrna Fine Sand. Detailed data on the soils and others found within the project limits is supplied in the soil survey of Orange County, prepared by the Natural Resources Conservation Service.

(3) Estimates of Size of Drainage Area for Each Outfall:

Moselle Avenue Existing Storm Sewer: EX-29 16.9 ac

(4) For locations of outfalls see construction plans. outfalls are located at the following approximate locations (latitude, longitude):

EX-29: Moselle Ave. Storm Sewer (28° 33' 52" N, 81° 18' 44" W)

**E Site Map:**

The construction plans are being used as the required site map. The location of the required information is described below. The sheet numbers for the plan sheets referenced are identified on the Key Sheet of these construction plans.

**\* Drainage Patterns:**

The drainage basin divides and flow directions are shown on the drainage map. The shapes shown in these sheets indicate runoff collected and conveyed by either on site or off site systems.

**\* Approximate slopes:**

The slopes of the site can be seen in the roadway cross section sheets and the profile sheets.

**\* Areas of soil disturbance:**

The areas to be disturbed are shown in the roadway plans. Any areas where permanent features are shown to be constructed above or below ground will be disturbed.

**\* Locations of Temporary Controls:**

These are shown on the stormwater pollution prevention plan sheets.

**\* Areas to be Stabilized:**

The sidewalk and driveway construction will be permanently stabilized with concrete additionally, the fill slopes will be permanently stabilized with sod. These details are shown in the typical sections, roadway plans and profiles and cross sections.

**\* Surface Waters and Wetlands Within the Site:**

The project limits do not contain wetlands or surface waters.

**\* Discharge Points to Surface waters:**

No surface waters are located within the project limits.

**F (1) Name of Receiving Waters:**

The project drains to a storm sewer system that outfalls into the SR 436 storm sewer/ditch system. This system ultimately outfalls to the Lake Corrine Outfall Canal, which outfalls to the Little Econlockhatchee River.

(2) Wetland Area:

There are no wetland impacts.

**2.0 CONTROLS:**

**A. Erosion, Sediment, and Turbidity Controls**

During construction operations, the following control measures will be used to prevent erosion and sedimentation.

Clearing and grubbing operations are controlled so as to minimize unprotected areas exposed to weather from eroding. Areas outside the limits of construction will not be disturbed. Excavated material will not be deposited in locations where it could be washed away by high water or storm water runoff, and stockpiles shall be covered or encircled with sediment containment devices. New and existing structures will be protected from siltation during construction.

Development of detailed erosion, sediment, and turbidity control plans. The plan will include:

- \* The construction project schedule with erosion, sediment, and turbidity control installation and maintenance tied to specific dates of construction activities.
- \* Modifications to the department's SWPPP and erosion control plans due to contractor's proposed construction means, methods and phasing. The contractor's erosion control plan will be utilized as the first formal update to the SWPPP.
- \* Name and phone number of contractor's representative responsible for erosion and sediment control installation and maintenance on a 24 hour basis.

The Contractor is advised that the contract drawings only indicate erosion, sediment, and turbidity controls at locations determined in the design process. However, the contractor is required to update the SWPPP to reflect any additional controls necessary to prevent the possibility of silting any adjacent lowland parcel, receiving water, or otherwise violating State and Federal permit requirements.

(1) Stabilization Practices

The Contractor shall be responsible for:

a) Erosion and sediment control measures are to be placed prior to, or as the first step in construction. Sediment control devices will be employed as a perimeter defense against any transportation of silt off the site.

b) Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practical in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity if the portions of the site has temporarily or permanently ceased.

c) Permanent soil erosion control measures for all slopes, channels, ditches or any disturbed land areas shall be completed immediately after final grading. When it is not possible to permanently protect a disturbed area immediately after grading operations, temporary erosion control measures shall be installed. All temporary protection shall be maintained until permanent measures are in place and established.

d) The Contractor shall furnish, install, maintain and subsequently remove, all necessary erosion control, including but not limited to sediment barriers, inlet protection devices, synthetic hay bales, turbidity barriers and any other miscellaneous items as indicated within the contract document. Or as required per applicable standards or the Engineer.

(2) Structural Practices

The costs for the following structural practices may be included in the approved pay items in the summary of quantities within the construction plans:

- artificial coverings
- turbidity barrier
- sediment barrier
- geotextile filter fabric
- rock bags
- inlet protection devices

**B. Storm Water Management and Monitoring**

Runoff from Moselle Avenue sheet flows into a swale/storm sewer system whose outfall ultimately discharges to the Lake Corrine.

**C. Other Controls**

(1) Waste Disposal - To be developed as part of the contractor's ECP.

(2) Sanitary Waste - To be developed as part of the contractor's ECP.

(3) Fertilizers and Pesticides - To be developed as part of the contractor's ECP.

(4) This project is exempt from having to submit an NOI application as the total disturbed area is less than 1 acre and is Not part of a planned phased construction that will exceed 1 acre of disturbed area.

**Non-Storm Water Discharges and Hazardous Waste**

When the Contractor encounters a spill, the contractor must contact Orange County. Construction will stop and work will not resume until directed by the engineer. Disposition of hazardous waste will be made in accordance with any requirements and regulations of any local, state, or federal agency jurisdiction.



REVISIONS				ORANGE COUNTY GOVERNMENT	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	PROJECT NAME	PROJECT NO.	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION						
					TLP ENGINEERING CONSULTANTS, INC. 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHITEHART, P.E. 70776 CERT. OF AUTH. #27205	MOSELLE AVE.	CIP 2841-671	<b>STORMWATER POLLUTION PREVENTION PLAN (1 OF 2)</b>	36

**3. MAINTENANCE**

The Contractor shall be responsible for maintaining all pollution prevention controls. Daily inspections shall be made by the Contractor to determine the effectiveness of erosion, sedimentation, turbidity, and pollution control measures. Remedial action shall be performed immediately.

**4. INSPECTION**

The Contractor is required to inspect all erosion control features at least once every seven calendar days and within 24 hours of the end of a storm of 0.5 inches or greater. In addition, maintain all erosion control features as required herein and as specified in State and or Federal environmental regulatory permits. This includes, but is not limited to, the daily review of the location of silt fences in areas where construction activities have changed the natural contour and drainage runoff to ensure that silt fences are properly located for effectiveness. The Contractor will use a form acceptable to the Engineer to report all inspection findings and corrective actions taken as a result of the inspection. The Contractor will sign each inspection report and submit it weekly to the Engineer.

The Contractor shall be responsible for the installation and maintenance of rain gauges. Daily Rainfall data will be recorded and submitted to the Engineer along with the weekly inspection reports.

**5. REFERENCES**

The construction plans and specifications for Moselle Avenue Sidewalk Improvements are hereby referenced and made a part of this plan.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

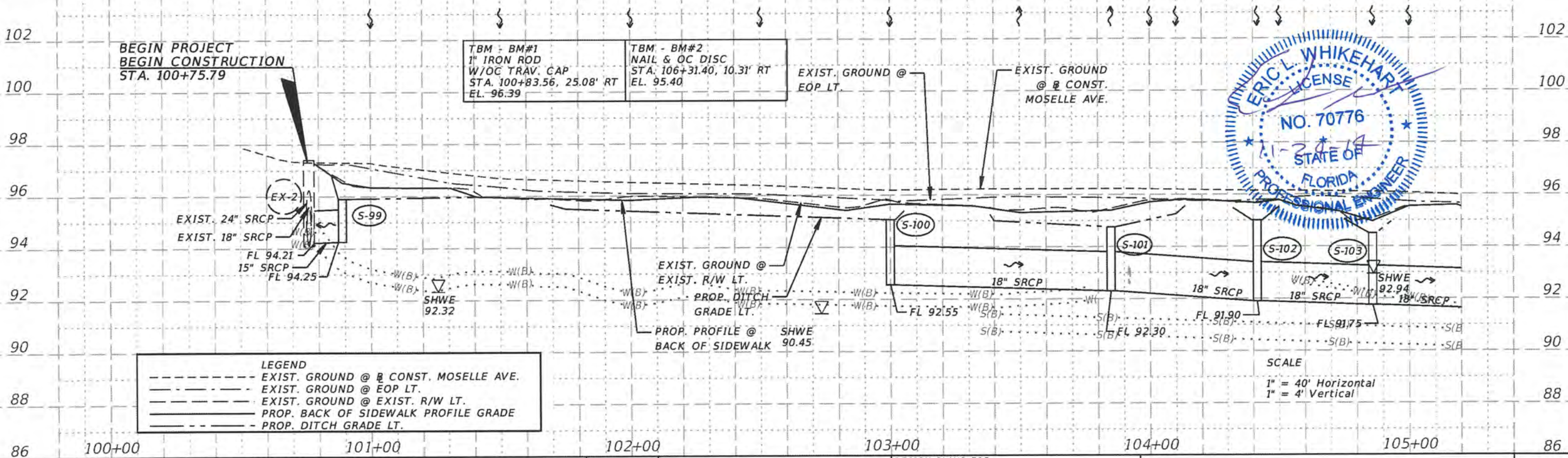
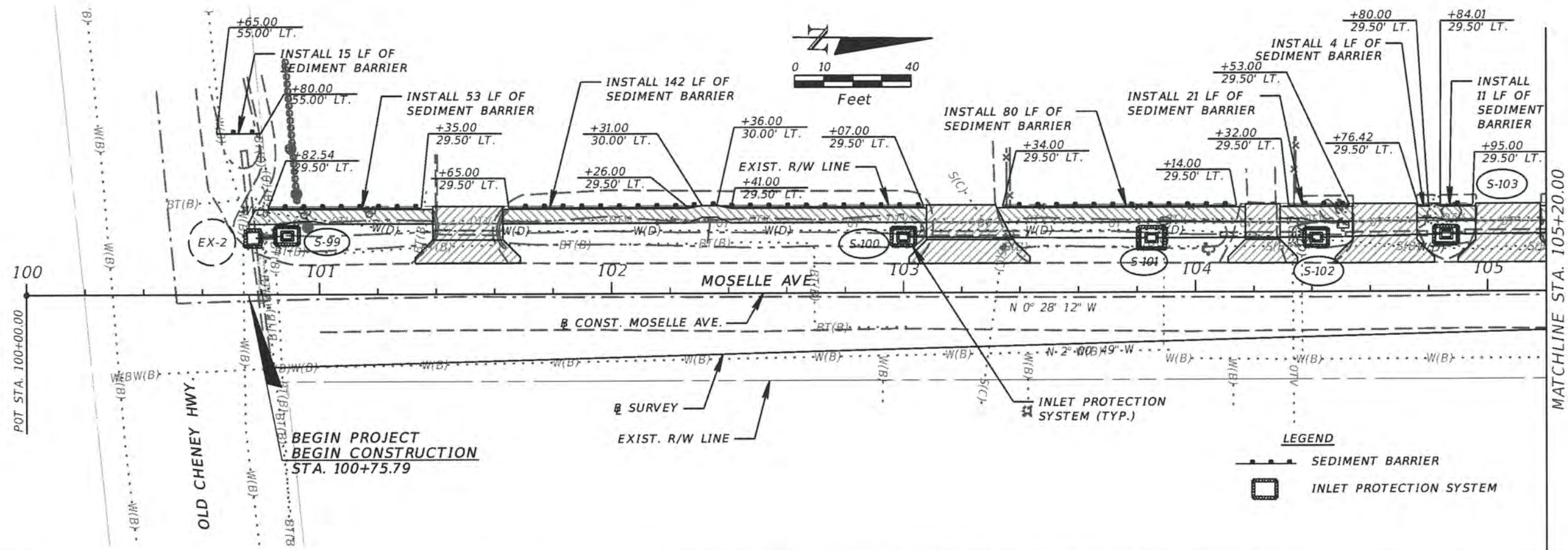
**ORANGE COUNTY GOVERNMENT FLORIDA**

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PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**STORMWATER POLLUTION PREVENTION PLAN (2 OF 2)**

SHEET NO.  
37



**LEGEND**

- EXIST. GROUND @ CONST. MOSELLE AVE.
- EXIST. GROUND @ EOP LT.
- EXIST. GROUND @ EXIST. R/W LT.
- PROP. BACK OF SIDEWALK PROFILE GRADE
- PROP. DITCH GRADE LT.

**SCALE**  
 1" = 40' Horizontal  
 1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

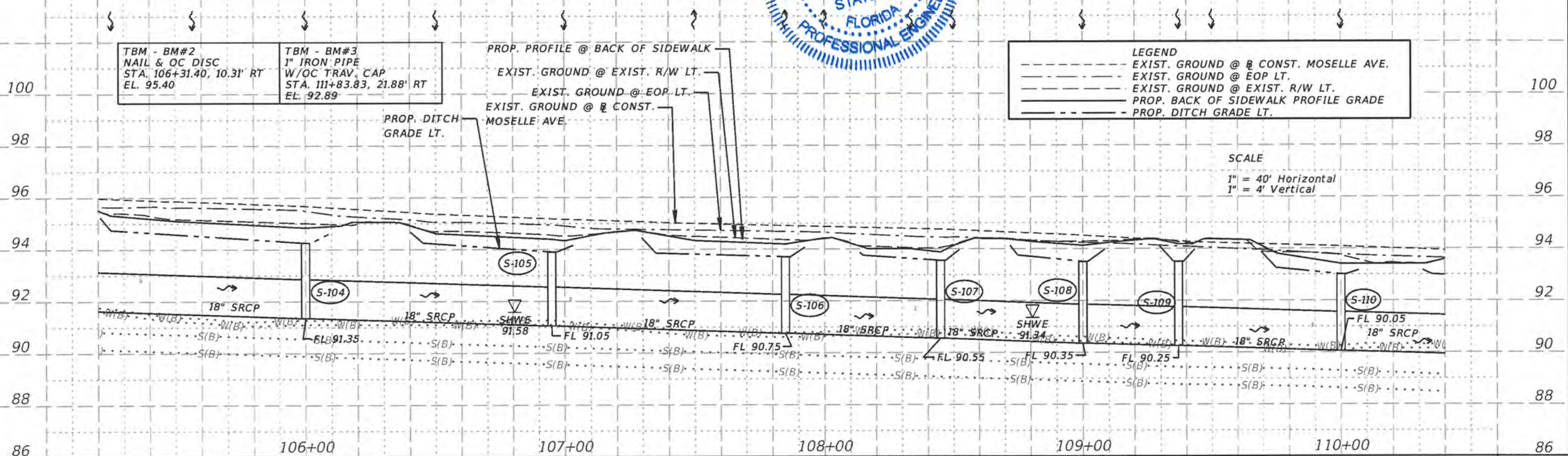
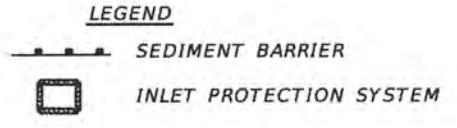
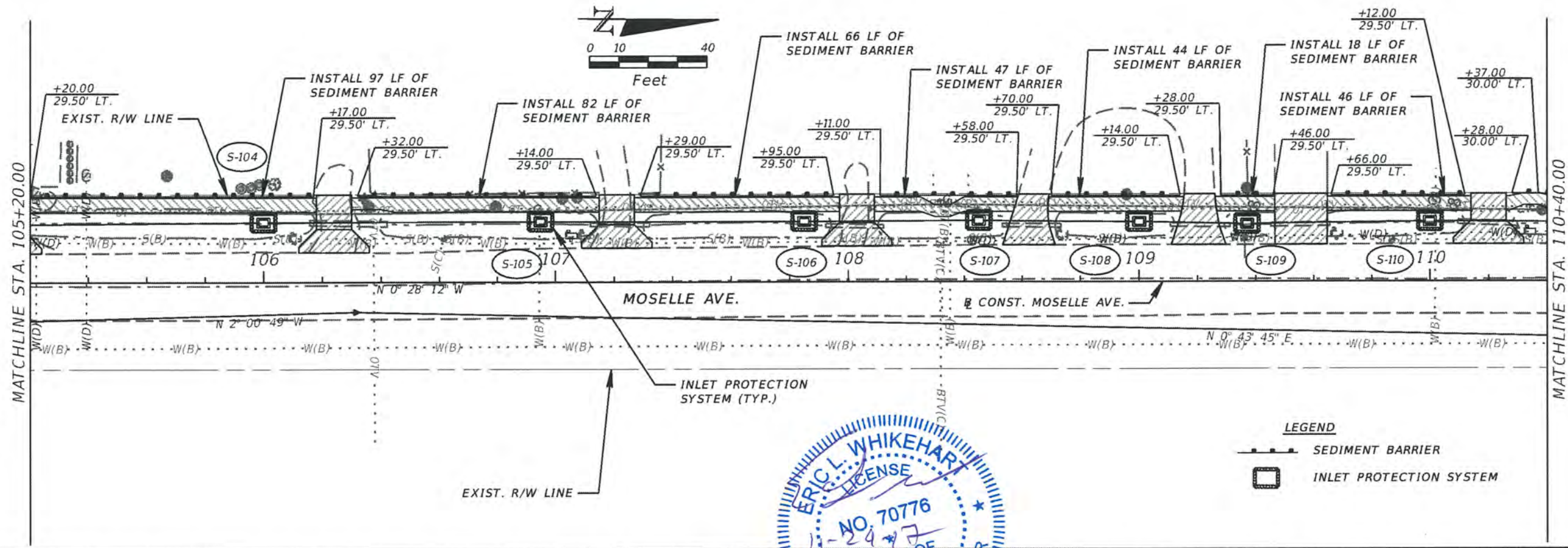


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DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.	
PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**STORMWATER POLLUTION  
 PREVENTION PLAN**

SHEET NO.  
 38



TBM - BM#2  
NAIL & OC DISC  
STA. 106+31.40, 10.31' RT  
EL. 95.40

TBM - BM#3  
1" IRON PIPE  
W/OC TRAV. CAP  
STA. 111+83.83, 21.88' RT  
EL. 92.89

**LEGEND**

--- EXIST. GROUND @ CONST. MOSELLE AVE.

--- EXIST. GROUND @ EOP LT.

--- EXIST. GROUND @ EXIST. R/W LT.

--- PROP. BACK OF SIDEWALK PROFILE GRADE

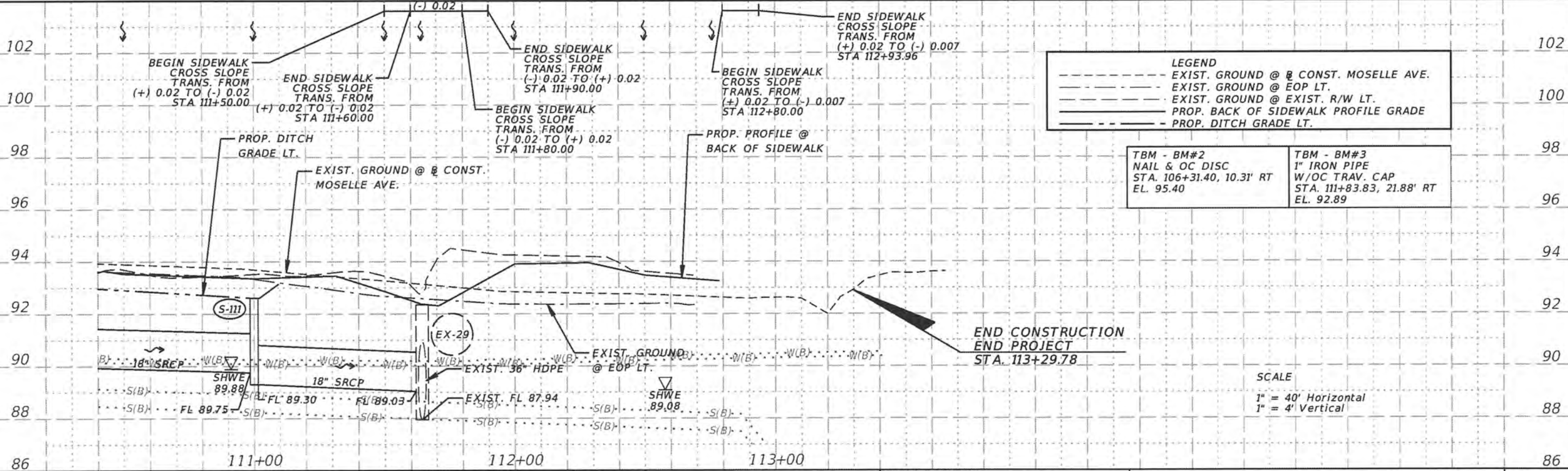
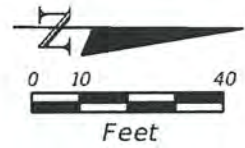
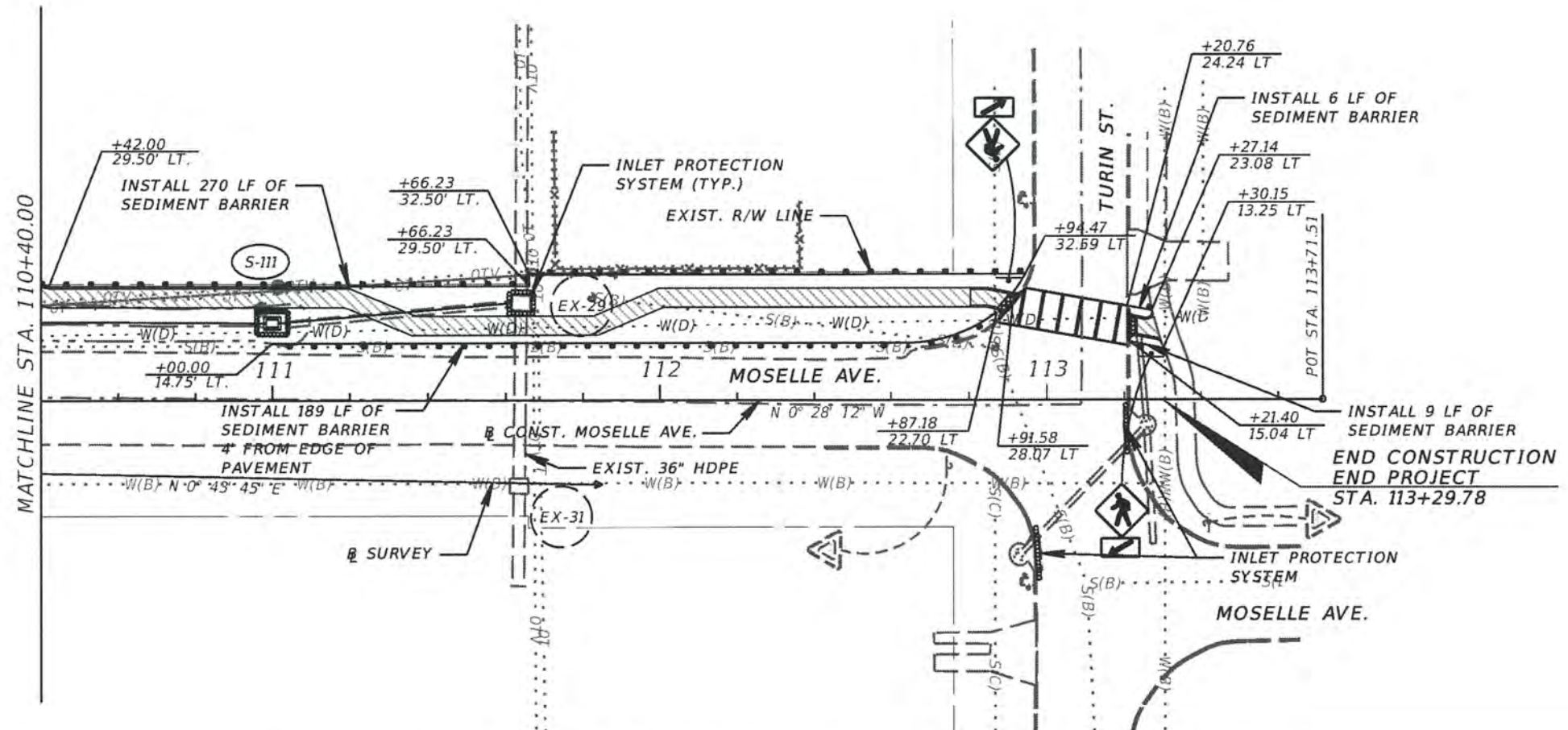
--- PROP. DITCH GRADE LT.

**SCALE**

1" = 40' Horizontal

1" = 4' Vertical

REVISIONS		DESCRIPTION		ORANGE COUNTY GOVERNMENT FLORIDA	TLP ENGINEERING CONSULTANTS, INC. 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHITEHART, P.E. 70776 CERT. OF AUTH. #27205	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.		PROJECT NAME MOSELLE AVE.	PROJECT NO. CIP 2841-671	STORMWATER POLLUTION PREVENTION PLAN	SHEET NO. 39
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.				



**LEGEND**

- EXIST. GROUND @ CONST. MOSELLE AVE.
- EXIST. GROUND @ EOP LT.
- EXIST. GROUND @ EXIST. R/W LT.
- PROP. BACK OF SIDEWALK PROFILE GRADE
- PROP. DITCH GRADE LT.

TBM - BM#2 NAIL & OC DISC STA. 106+31.40, 10.31' RT EL. 95.40	TBM - BM#3 1" IRON PIPE W/OC TRAV. CAP STA. 111+83.83, 21.88' RT EL. 92.89
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**SCALE**  
1" = 40' Horizontal  
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



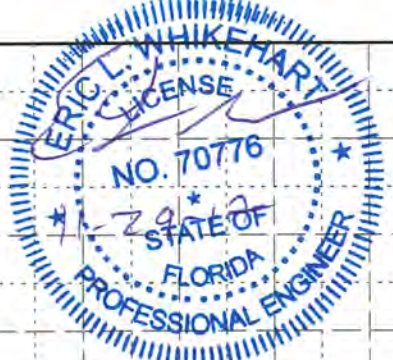
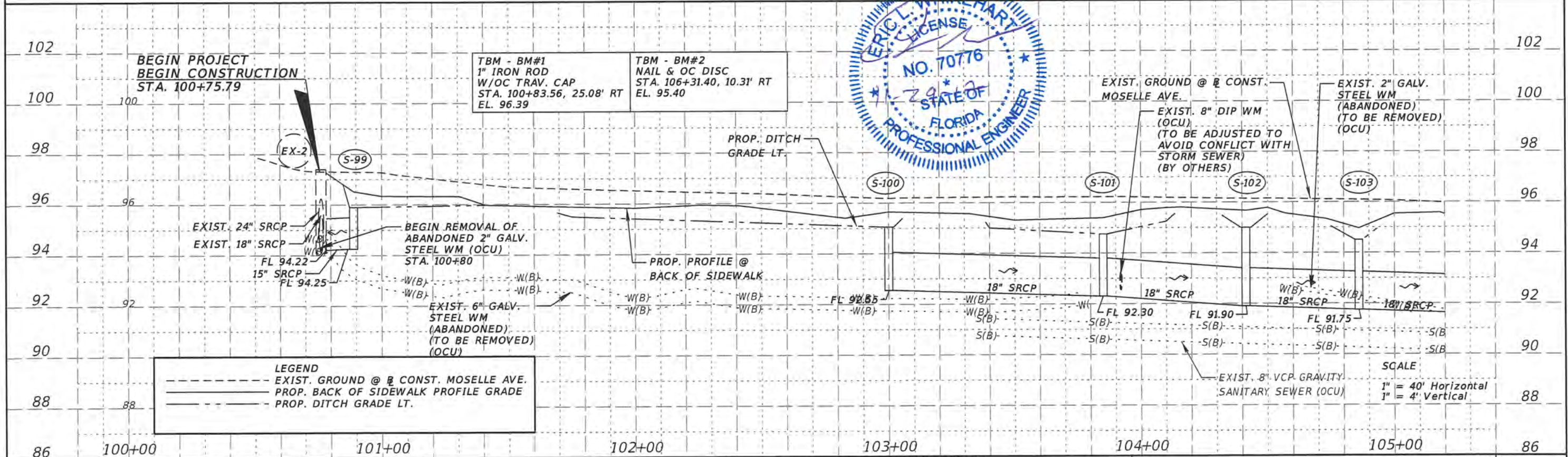
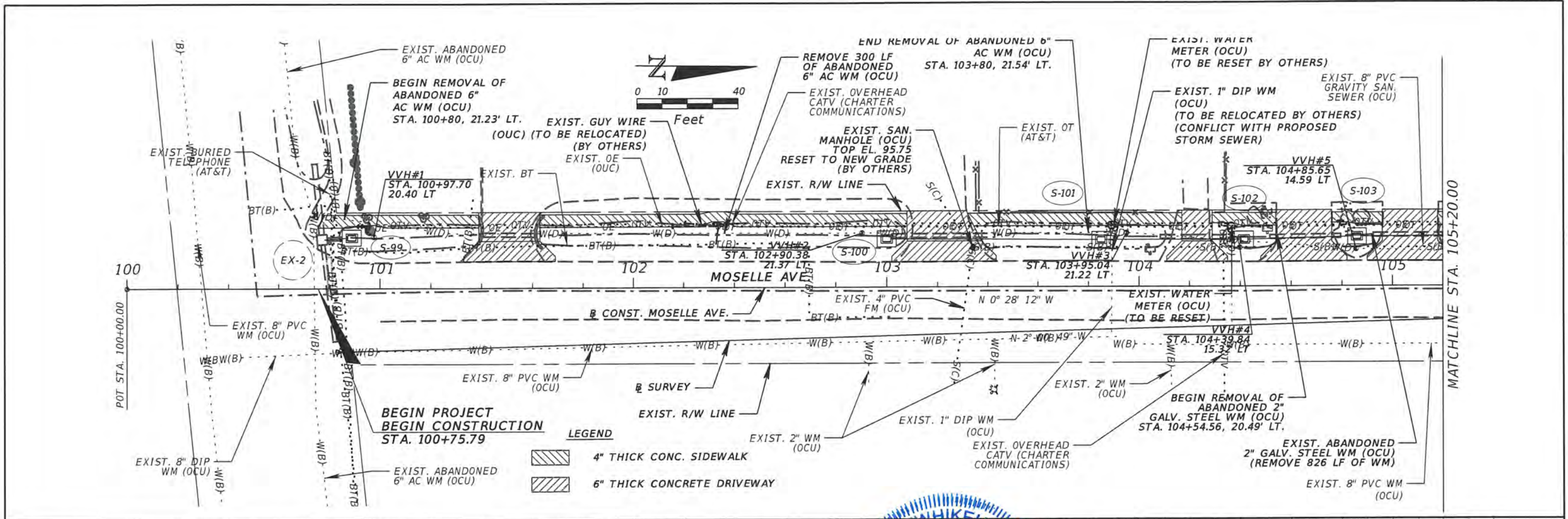
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**STORMWATER POLLUTION  
PREVENTION PLAN**

SHEET NO.  
40





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

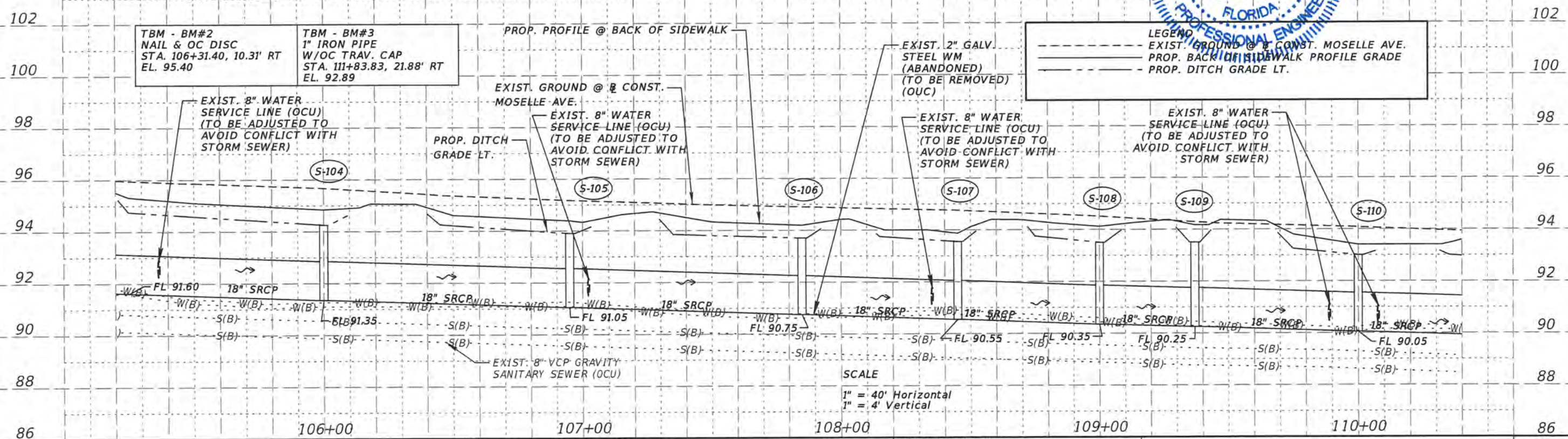
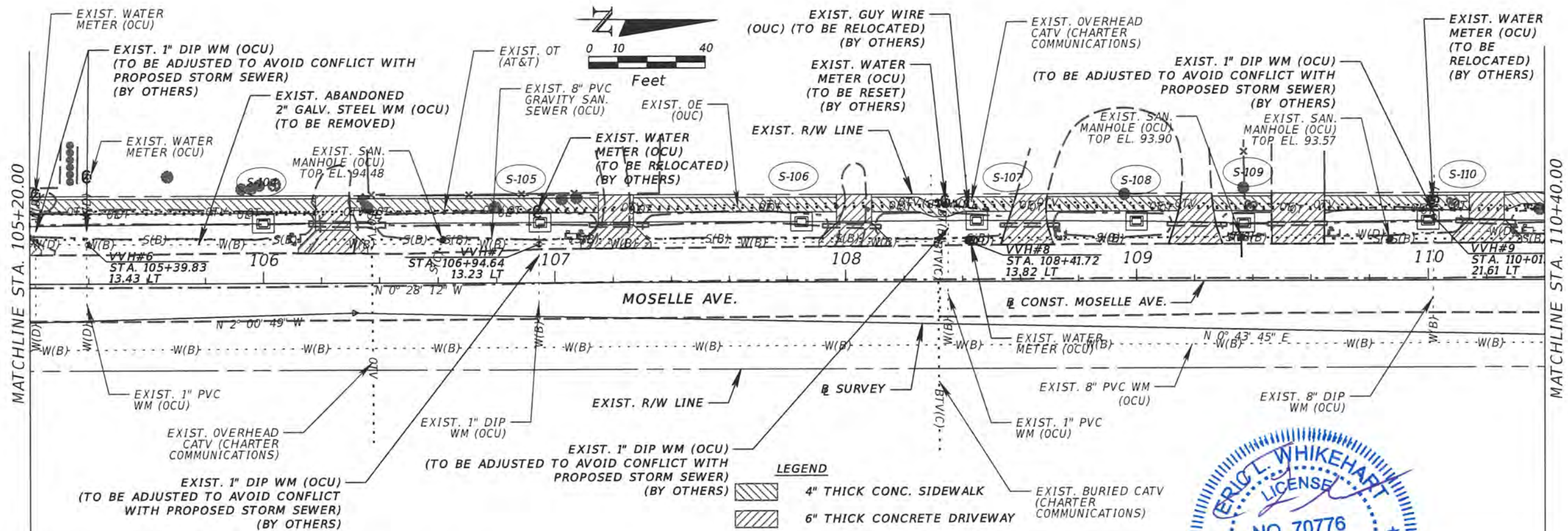


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**UTILITY ADJUSTMENT  
SHEETS**

SHEET NO.  
41



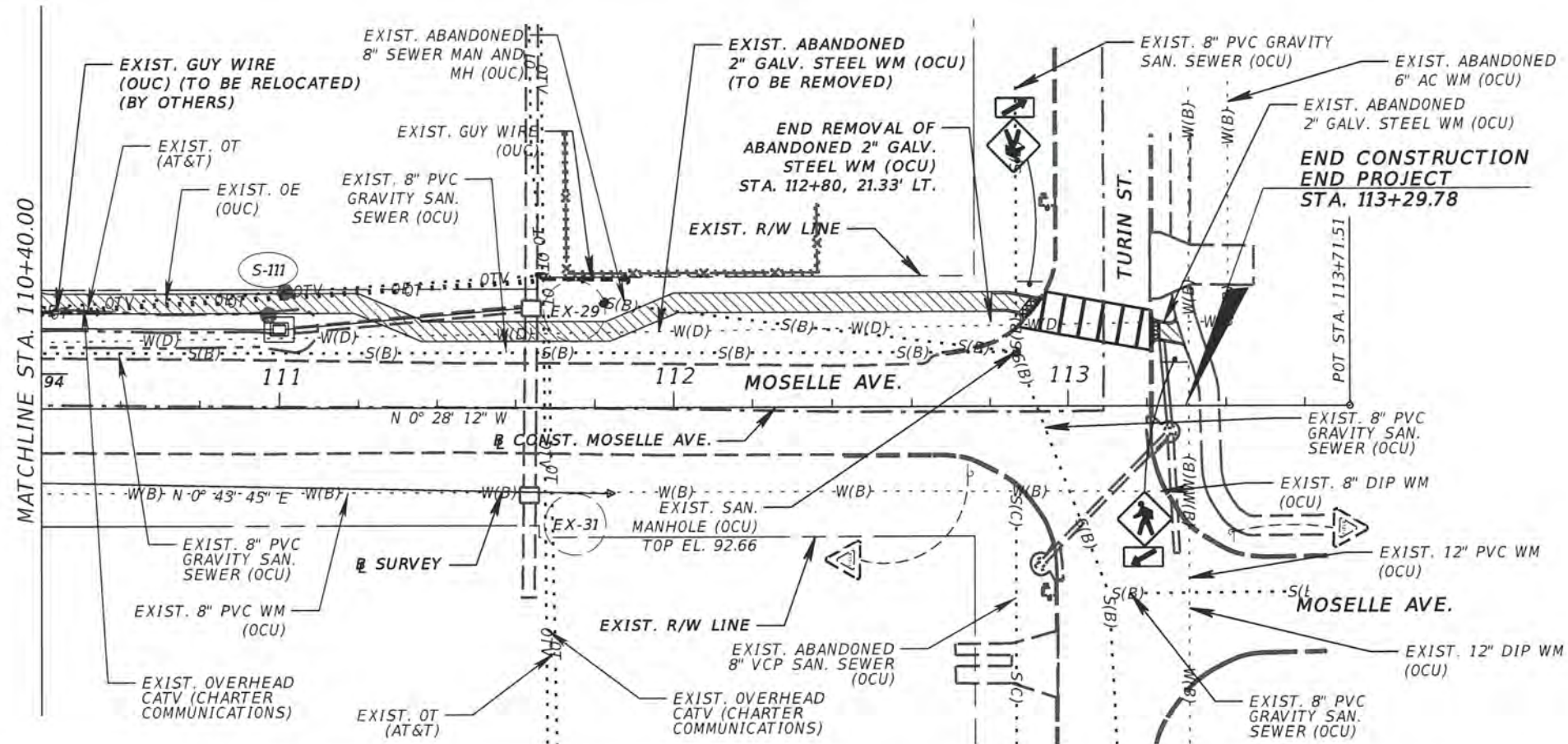
REVISIONS	
DATE	DESCRIPTION

**ORANGE COUNTY GOVERNMENT**  
 TLP ENGINEERING CONSULTANTS, INC.  
 11486 CORPORATE BLVD., SUITE 151  
 ORLANDO, FL. 32817  
 PH. 407-901-5060  
 ERIC L. WHITEHART, P.E. 70776  
 CERT. OF AUTH. #27205

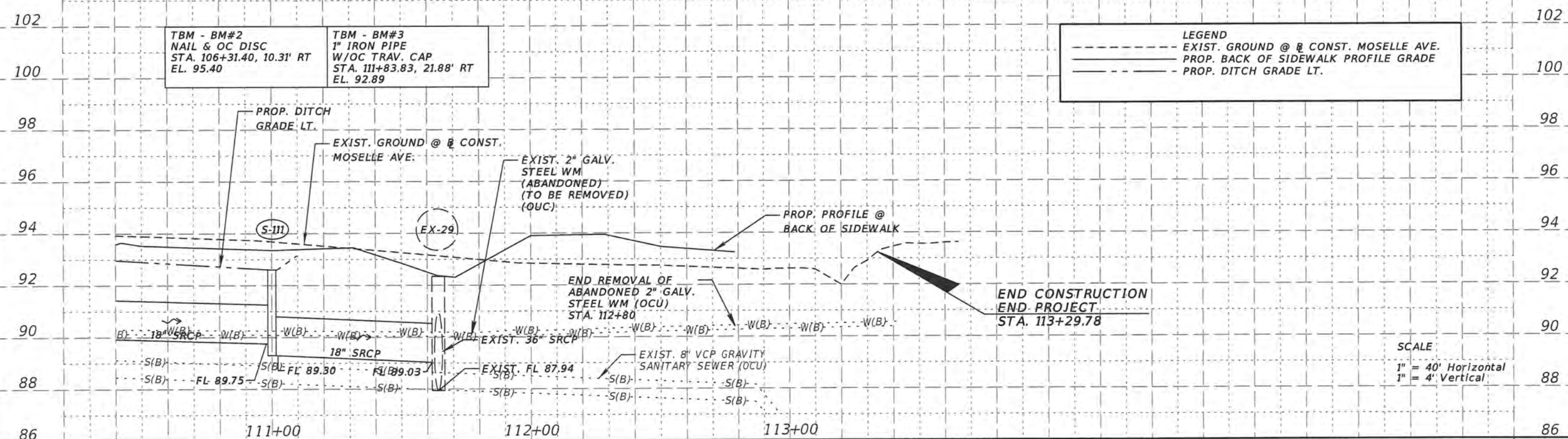
DESIGN PLANS FOR:  
**SIDEWALK IMPROVEMENTS FROM  
 OLD CHENEY HWY. TO TURIN ST.**  
 PROJECT NAME: MOSELLE AVE.  
 PROJECT NO.: CIP 2841-671

**UTILITY ADJUSTMENT  
 SHEETS**

SHEET NO.  
 42



- LEGEND**
- 4" THICK CONC. SIDEWALK
  - 6" THICK CONCRETE DRIVEWAY
  - DETECTABLE WARNING PAD PER FDOT INDEX 304



REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

ORANGE COUNTY GOVERNMENT FLORIDA

TLP ENGINEERING CONSULTANTS, INC.  
11486 CORPORATE BLVD., SUITE 151  
ORLANDO, FL. 32817  
PH. 407-901-5060  
ERIC L. WHITEHART, P.E. 70776  
CERT. OF AUTH. #27205

DESIGN PLANS FOR:  
**SIDEWALK IMPROVEMENTS FROM  
OLD CHENEY HWY. TO TURIN ST.**

PROJECT NAME	PROJECT NO.
MOSELLE AVE.	CIP 2841-671

**UTILITY ADJUSTMENT  
SHEETS**

SHEET NO.  
43

**SUMMARY OF VERIFIED UTILITIES**

Vvh #	UTILITY DESCRIPTION (Owner, Type)	SIZE	MATERIALS	B. OF CONST. PALM PARKWAY			EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
				STATION	OFFSET	LT/RT			
TH 1	N/A	-	-	100+97.70	20.4	LT	94.40	-	Unable to locate water main.
TH 2	ORANGE COUNTY UTILITIES, WATER MAIN	6 1/2"	Asbestos Cement	102+90.38	21.4	LT	94.10	91.40	No conflict, water main to be removed.
TH 3	ORANGE COUNTY UTILITIES, WATER MAIN	6 1/2"	Asbestos Cement	103+95.04	21.2	LT	94.36	91.16	No conflict, water main to be removed.
TH 4	ORANGE COUNTY UTILITIES, SANITARY	8 1/2"	Terra Cotta	104+39.84	15.3	LT	95.23	91.78	No conflict.
TH 5	ORANGE COUNTY UTILITIES, WATER MAIN	2 1/2"	PVC	104+85.65	14.6	LT	95.35	93.70	No conflict.
TH 6	ORANGE COUNTY UTILITIES, WATER MAIN	2 1/2"	PVC	105+39.83	13.4	LT	95.19	93.89	Water main to be removed, water service line to be adjusted.
TH 7	ORANGE COUNTY UTILITIES, WATER MAIN, SERVICE LINE	2 1/2" & 1"	PVC	106+94.64	13.2	LT	94.62	93.52	Water main to be removed, water service line to be adjusted.
TH 8	ORANGE COUNTY UTILITIES, WATER MAIN	2 1/2"	PVC	108+41.72	13.8	LT	94.10	93.10	No conflict.
TH 9	ORANGE COUNTY UTILITIES, WATER SERVICE LINE	1"	PLASTIC	110+01.94	21.6	LT	92.40	91.55	Water service line to be adjusted to avoid conflict.



<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					 <p>TLP ENGINEERING CONSULTANTS, INC. 11486 CORPORATE BLVD., SUITE 151 ORLANDO, FL. 32817 PH. 407-901-5060 ERIC L. WHIKEHART, P.E. 70776 CERT. OF AUTH. #27205</p>	<p>DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.</p> <table border="1"> <tr> <th>PROJECT NAME</th> <th>PROJECT NO.</th> </tr> <tr> <td>MOSELLE AVE.</td> <td>CIP 2841-671</td> </tr> </table>	PROJECT NAME	PROJECT NO.	MOSELLE AVE.	CIP 2841-671	<p align="center"><b>SUMMARY OF VERIFIED UTILITIES</b></p>	<p>SHEET NO.</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																
PROJECT NAME	PROJECT NO.																		
MOSELLE AVE.	CIP 2841-671																		
<p align="center">44</p>																			

# ROADWAY SOILS SURVEY REPORT OF TESTS

TOWNSHIP: 22 SOUTH  
RANGE: 30 EAST  
SECTION: 21

PROJECT NO.: AEA PROJ. NO. 201304-6  
ROAD NAME: MOSELLE AVENUE  
SUBMITTED BY: ANTILLIAN ENGINEERING ASSOCIATES, INC.  
CIP NO.: 2841-671

DATE OF SURVEY: 06/13/14  
SURVEYED BY: ANTILLIAN ENGINEERING ASSOCIATES, INC.  
SURVEY BEGINS STA. NO.: 102+25.84  
SURVEY ENDS STA. NO.: 112+57.77  
DATE REPORTED: 07/11/14

STRATUM NO.	ORGANIC CONTENT				SIEVE ANALYSIS RESULTS (% PASSING)					ATTERBERG LIMITS (%)			AASHTO GROUP	DESCRIPTION	CORROSION TEST RESULTS				ENVIRONMENTAL CLASSIFICATION (SUBSTRUCTURE)		
	LBR VALUE	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT %	NO. OF TESTS	#10 MESH	#40 MESH	#60 MESH	#100 MESH	#200 MESH	NO. OF TESTS	LIQUID LIMIT			PLASTICITY INDEX	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH	CONCRETE	STEEL
1	---	---	---	---	6	---	---	---	---	3-9	---	---	---	A-3	DARK BROWN, VERY DARK BROWN, DARK GRAYISH BROWN, DARK YELLOWISH BROWN, GRAY, GRAYISH BROWN AND YELLOWISH BROWN FINE SAND	---	---	---	---	---	---

### NOTES

1. THE SYMBOL "---", IF PRESENT, REPRESENTS UNMEASURED SOIL PARAMETERS.
2. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY STRATA CONNECTION LINES SHOWN ARE FOR ESTIMATING EARTH WORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SURFACE VARIATION BETWEEN BORINGS SHOULD BE ANTICIPATED.
3. - ENCOUNTERED GROUNDWATER LEVEL
4. - ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL
5. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE FDOT STANDARD SPECIFICATIONS.

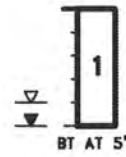


REVISIONS		 ANTILLIAN ENGINEERING ASSOC., INC. 3331 BARTLETT BOULEVARD ORLANDO, FL. 32811 PH. 407-422-1441 PETER G. SUAH, P.E. 46910 CERT. OF AUTH. EB6685	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY. TO TURIN ST.		<b>REPORT OF TESTS</b>	SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION		PROJECT NAME
				MOSELLE AVE.	CIP 2841-671	

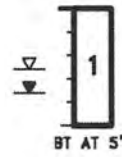
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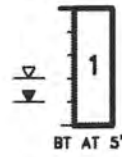
**MB-2**  
102+73.39  
15.58 LT



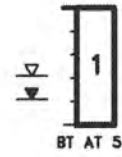
**MB-3**  
104+86.34  
12.87 LT



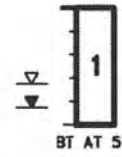
**MB-4**  
106+80.59  
13.50 LT



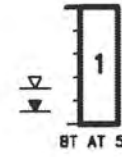
**MB-5**  
108+80.68  
14.50 LT



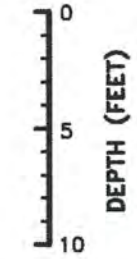
**MB-6**  
110+91.11  
13.85 LT



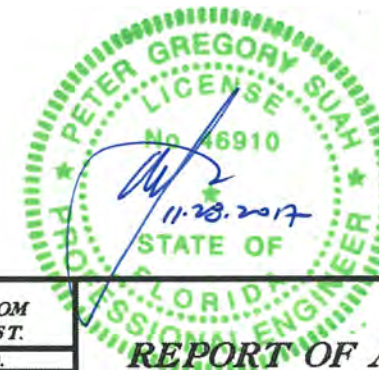
**MB-7**  
112+57.77  
13.35 LT



**BORING:**  
**STATION:**  
**OFFSET:**



STRATUM NO.	AASHTO SOIL CLASSIFICATION SYMBOL	DESCRIPTION
1	A-3	DARK BROWN, VERY DARK BROWN, DARK GRAYISH BROWN, DARK YELLOWISH BROWN, GRAY, GRAYISH BROWN AND YELLOWISH BROWN FINE SAND



REVISIONS				ORANGE COUNTY GOVERNMENT FLORIDA	ANTILLIAN ENGINEERING ASSOC., INC. 3331 BARTLETT BOULEVARD ORLANDO, FL. 32811 PH. 407-422-1441 PETER G. SUAH, P.E. 46910 CERT. OF AUTH. EB6685	DESIGN PLANS FOR: SIDEWALK IMPROVEMENTS FROM OLD CHENEY HWY TO TURIN ST.		REPORT OF AUGER BORINGS	SHEET NO. G-2
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.		
						MOSELLE AVE.	CIP 2841-671		



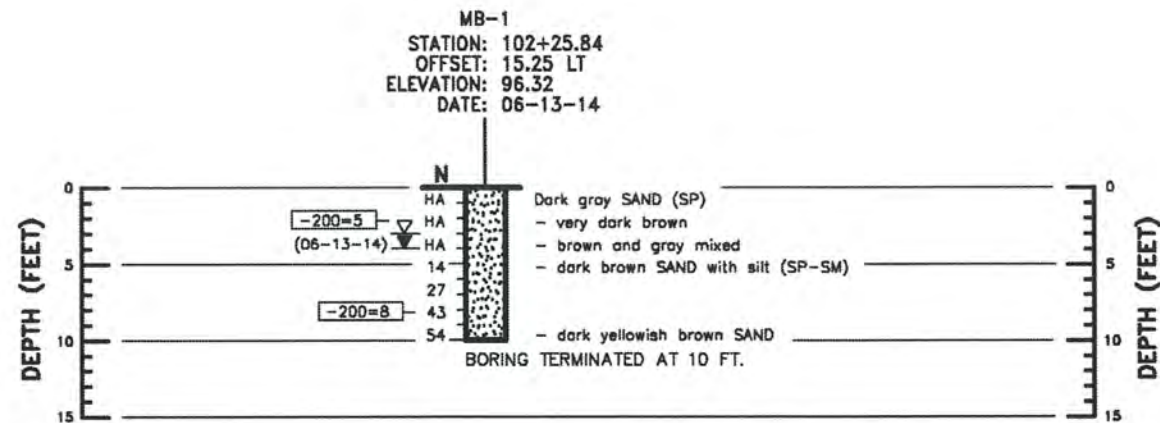
**LEGEND**

- SAND
- STANDARD PENETRATION TEST (SPT) BORING LOCATION
- CHANGE IN SOIL STRATA
- N** SPT N-VALUE IN BLOWS PER FOOT (ASTM D 1586)
- HA** BORING ADVANCED BY HAND AUGER TO AVOID CONFLICT WITH UTILITIES
- (SP)** UNIFIED SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL EXAMINATION AND LABORATORY TESTING
- (06-13-14) 24 HOUR GROUNDWATER LEVEL READING
- ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL
- 200** PERCENT PASSING U.S. STANDARD NO. 200 SIEVE

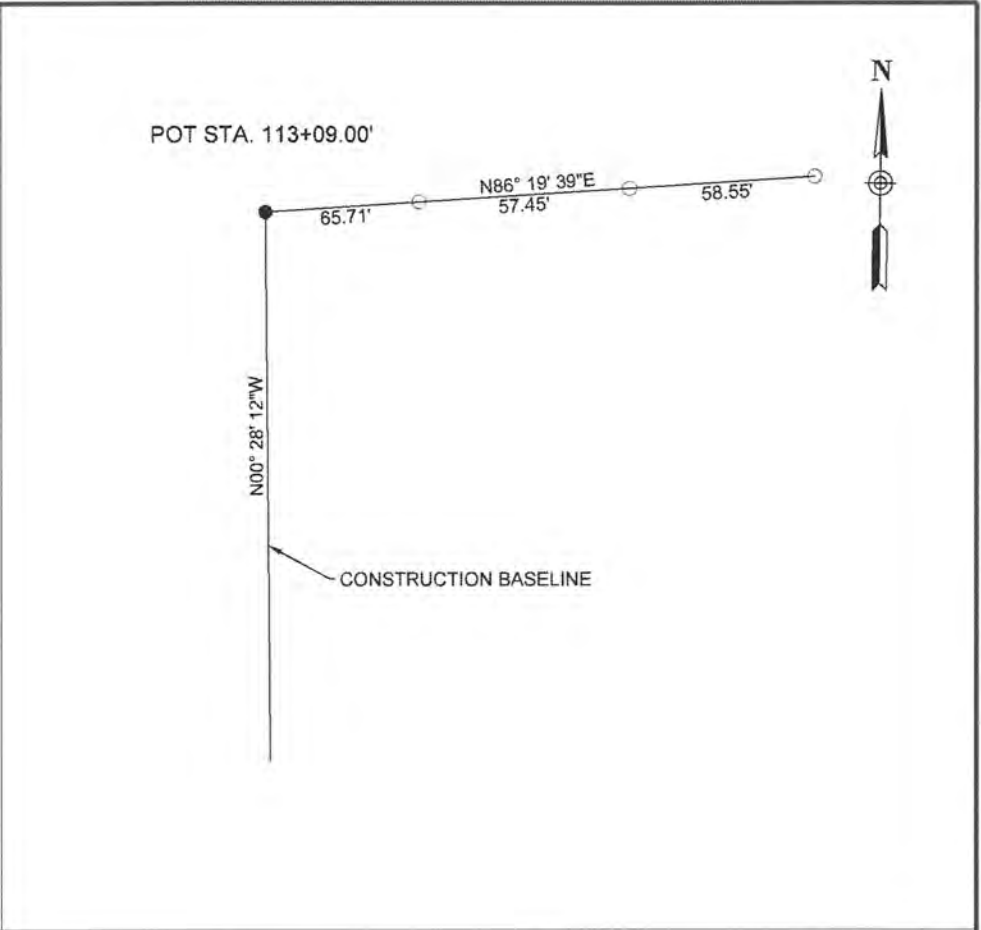
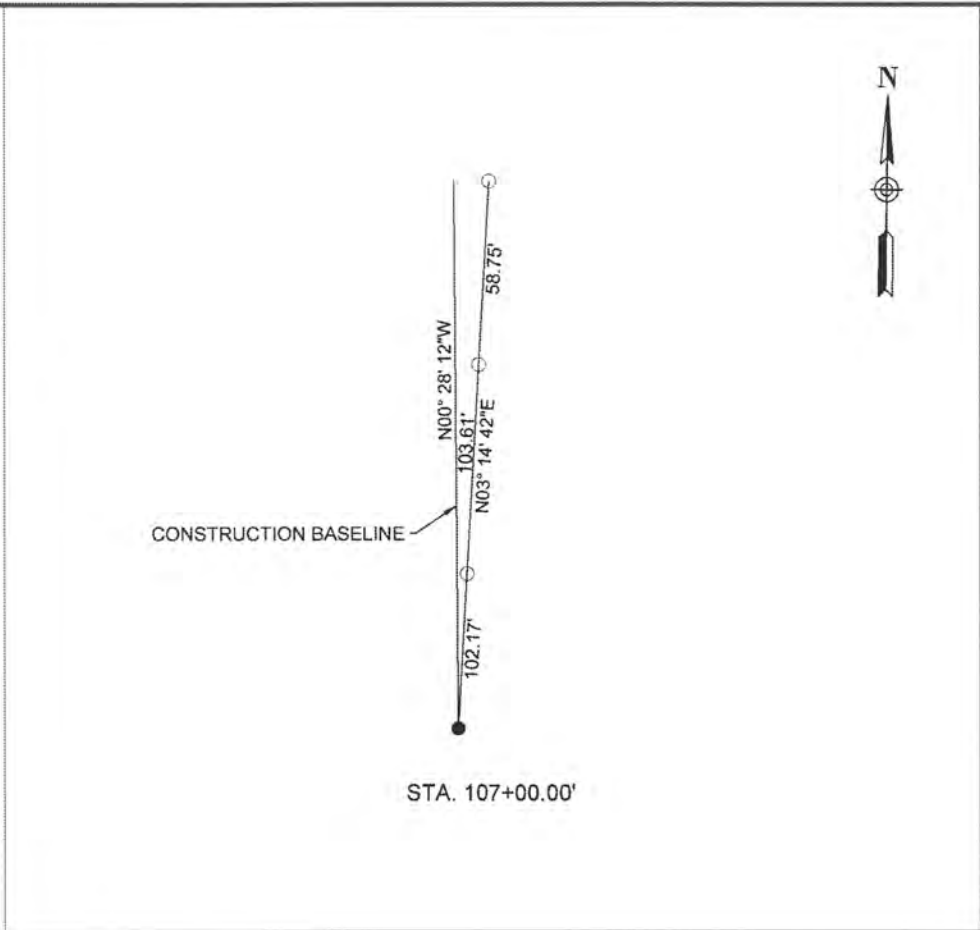
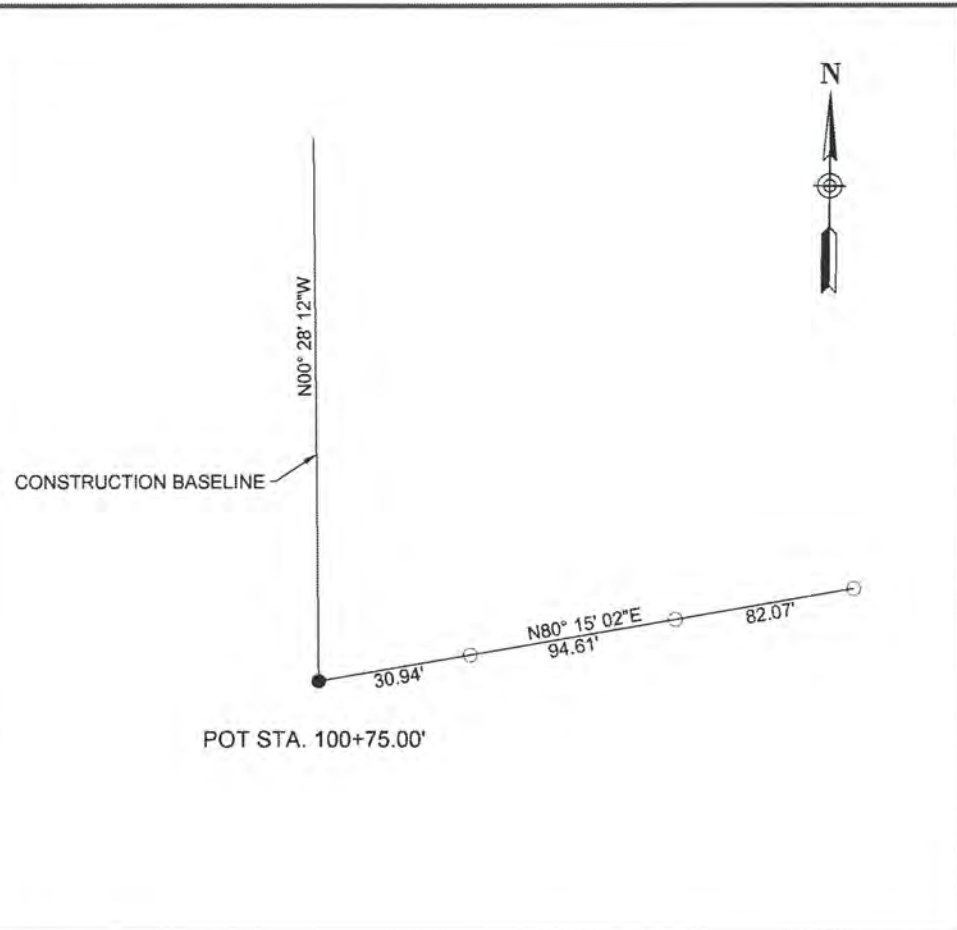
**NOTES**

1. BORING WAS DRILLED BY RELIABLE FIELD SERVICES ON 06/13/14 USING A BR2500 RIG. SPT WAS CONDUCTED WITH A MANUAL HAMMER.

SOIL CONSISTENCY (BASED ON EMPIRICAL CORRELATION WITH SPT N-VALUE)	
<b>GRANULAR SOILS</b>	
VERY LOOSE	- LESS THAN 4 BLOWS/FT.
LOOSE	- 4 TO 10 BLOWS/FT.
MEDIUM DENSE	- 10 TO 30 BLOWS/FT.
DENSE	- 30 TO 50 BLOWS/FT.
VERY DENSE	- MORE THAN 50 BLOWS/FT.
<b>FINE-GRAINED SOILS</b>	
VERY SOFT	- LESS THAN 2 BLOWS/FT.
SOFT	- 2 TO 4 BLOWS/FT.
FIRM	- 4 TO 8 BLOWS/FT.
STIFF	- 8 TO 15 BLOWS/FT.
VERY STIFF	- 15 TO 30 BLOWS/FT.
HARD	- MORE THAN 30 BLOWS/FT.



REVISIONS					<b>ANTILLIAN ENGINEERING ASSOC., INC.</b> 3331 BARTLETT BOULEVARD ORLANDO, FL. 32811 PH. 407-422-1441 PETER G. SUAH, P.E. 46910 CERT. OF AUTH. EB6685	DESIGN PLANS FOR:		<b>REPORT OF SPT BORING</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT NAME	PROJECT NO.		G-3
						MOSELLE AVE.	CIP 2841-671		



**Control Table**

Station	Northing	Easting
100+75.00'	1536986.029	555940.249
107+00.00'	1537611.008	555935.123
113+09.00'	1538219.987	555930.128

SURVEYOR'S NOTE

1. ALL BEARINGS HEREON ARE RELATIVE TO THE NAD83 STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE (0901), AND RELATIVE TO THE FOLLOWING PUBLISHED HORIZONTAL CONTROL POINT:

CERTIFIED CORNER RECORD # 71712  
 FOUND 6"x6" CONCRETE MONUMENT WITH 1" PIPE  
 N: 1534123.9777 E: 559068.7229

CERTIFIED CORNER RECORD # 71713  
 FOUND ORANGE COUNTY ALUMINUM DISC  
 N: 1534106.3941 E: 556412.5497

CERTIFIED CORNER RECORD # 61829  
 FOUND PK NAIL & CAP LB 4741  
 N: 1539405.6000 E: 556365.5000

2. ALL ELEVATIONS SHOWN HEREON ARE IN 88 DATUM AND REFERENCED TO THE FOLLOWING BENCHMARKS:

S-1369-053 - REC. 3" O.C. ALUMINUM DISC ON S. SIDE C/L OF 3'x4' CONCRETE DROP INLET 65' +/- N. OF C/L OF ASPHALT DRIVEWAY TO CITRUS GARDENS APARTMENTS. ELEVATION: 95.53'

L-645-003 - REC. 2.5" O.C. CONTROL DISC ON TOP OF CONCRETE CURB INLET E. SIDE OF S.R. 436/SEMORAN BLVD. IN FRONT OF & CENTER OF ADDRESS 1287 SEMORAN BLVD. ELEVATION: 93.68'

- LEGEND**
- SET NAIL AND SILVER DISC
  - SET NAIL AND BRASS DISC

*Mark Daynes*  
11/29/17

User Name: mdaynes Date: 11/29/17 10:33am Drawing Name: C:\2014 Projects\0801-1 Moselle Av Sidewalk\0801.dwg

REVISIONS		
DATE	BY	DESCRIPTION

**ORANGE COUNTY PUBLIC WORKS ENGINEERING DIVISION**  
 4200 SOUTH JOHN YOUNG PARKWAY  
 ORLANDO, FLORIDA 32839-9205  
 (407) 836-7908



**SURVEY SECTION**  
 4200 SOUTH JOHN YOUNG PARKWAY  
 ORLANDO, FLORIDA 32839-9205  
 (407) 836-7940

**SURVEY CONTROL SHEET**  
 MOSELLE AV SIDEWALK  
 21-22-30

CALCULATED BY: Clark, Ron	DATE: 10/8/14	DRAWING SCALE: NOT TO SCALE	DRAWING PROJECT NUMBER: 6981-1
SURVEYED BY: Crew # 3	DATE: 10/8/14	PREPARED FOR: ENGINEERING DESIGN	SVC-1
DRAWN BY: Washington, Icie	DATE: 10/14/14		
APPROVED BY: Daynes, Mark	DATE: 10/14/14		