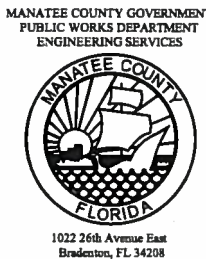


MANATEE COUNTY, FLORIDA
IN-FILL SIDEWALK CONSTRUCTION PLANS
26TH AVENUE EAST
167-0019900

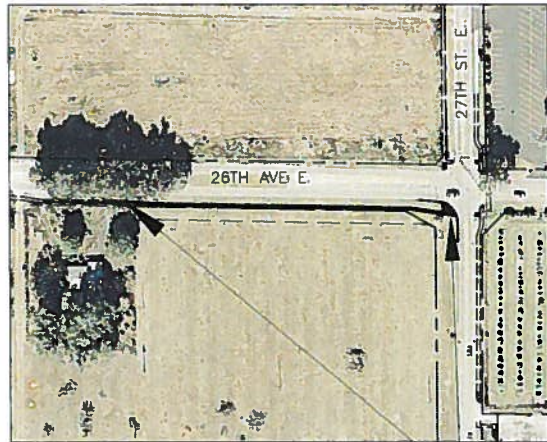
MAY 2012



IN-FILL SIDEWALK
CONSTRUCTION PLANS
26TH AVENUE EAST
COVER SHEET

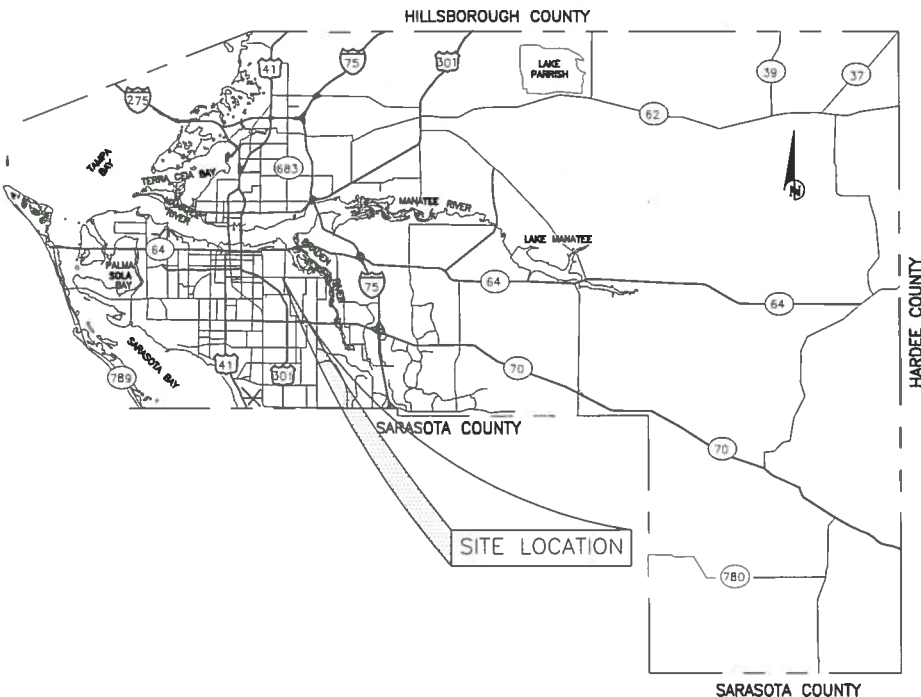
CONSTRUCTION
PLANS

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1.	COVER SHEET
2.	GENERAL NOTES & LEGEND
3.	SUMMARY OF PAY ITEMS
4.-5.	PLAN SHEETS
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VICINITY MAP
N.T.S.

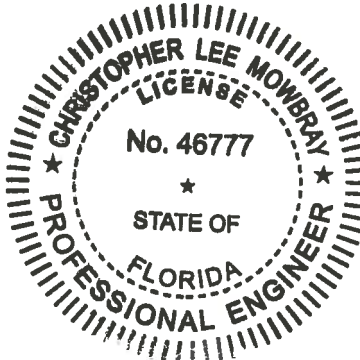
PROJECT SITE



SITE LOCATION

PROJECT DESCRIPTION

DESIGN AND BUILD APPROXIMATELY 540 L.F. OF 5' WIDE (4" THK.) CONCRETE SIDEWALK ALONG SOUTH SIDE OF 26TH AVE. E. FROM EXISTING SIDEWALK TO EASTWARD TO INTERSECTION AT 26TH AVE. E./ 27TH ST. E. AND INSTALL HANDICAP RAMP ON WEST SIDE OF INTERSECTION.



NO.	DATE	BY	REVISION DESCRIPTION
PROJECT #	167-0019900		
SURVEY #	N/A		
SEC./TWN./RGE	06/35S/18E		
SCALE	N.T.S.		
	BY	DATE	
SURVEYED	N/A	N/A	
DESIGNED	CB/PBF	1/27/12	
DRAWN	CB	1/27/12	
CHECKED	AAM	2/15/12	
CHRISTOPHER LEE MOWBRAY, P.E.			
FLORIDA P.E. # 46777			
Signature & Date			
SHEET 1 OF 13			

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT | S:\P\O_Engineering\Shore\Highway_Engineering\Sidewalks\26th Ave E Sidewalk\Gen Notes & Leg 2 9/17/2012 9:58 AM Caro Boyer, J.2.17, ANSI full bleed B (11.00 x 17.00 inches)

GENERAL

1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. THE CONTACT PERSON IS: **WALTER SOWA, SR., ENGINEERING SPECIALIST** AND CAN BE REACHED AT (941) 708-7450; EXT. 7332
2. SITE VISITS ARE MANDATORY FOR ALL BIDDERS. THESE SITE VISITS CAN BE ARRANGED THROUGH THE PROJECT MANAGER .
3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
5. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
6. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
7. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE NATIONAL 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS-OF-WAY.
8. NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AND BEFORE 7:00 AM. FOR ADDITIONAL PROJECT RESTRAINTS, REFER TO SECTION 01310 OF THE SPECIFICATIONS.
9. CONTRACTOR SHALL REFERENCE SECTION 14 IN THE CURRENT MANATEE COUNTY UTILITY STANDARDS FOR RECORD DRAWING REQUIREMENTS

SAFETY

10. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS.
11. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC.
12. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

ENVIRONMENTAL

13. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS AND TO DITCHES DURING CONSTRUCTION.
14. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.
15. STORM WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY AND STATE.
16. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF WATER, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1) WEEK OF INSTALLATION.
17. ALL SWALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED FROM SILTATION AND EROSION DURING CONSTRUCTION AND BE SODDED WITHIN THREE (3) DAYS OF EXCAVATION.
18. SOIL DISPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE IMPLEMENTED IN AREAS WHICH ARE CONSIDERED ENVIRONMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS, FILTER FABRIC, AND TURBIDITY SCREENS.
19. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
20. FOR MORE INFORMATION, SEE THE EROSION CONTROL DETAIL SHEET INCLUDED IN THE PLANS.

RIGHT-OF-WAY

21. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY/FOOT RIGHT-OF-WAY AND/OR EASEMENTS SHOWN ON THE DRAWINGS. RIGHTS-OF-WAY AND PROPERTY LINES SHOWN IN THESE DRAWINGS ARE BASED ON PROPERTY APPRAISERS MAPS. MANATEE COUNTY DOES NOT PURPORT TO THE ACCURACY OF THE INFORMATION.
22. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHTS-OF-WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES" A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES, PIPING, ENTRANCE PIPE AND HEADWALLS WHETHER SHOWN ON THE PLANS OR NOT. THE HEADWALLS SHALL BE REPLACED IN ACCORDANCE WITH F.D.O.T. STANDARDS.
24. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER SECTION 02575.

UTILITIES

25. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY EFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
26. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
27. THE CONTRACTOR SHALL USE APPROPRIATE TECHNIQUES, AS APPROVED, RECOMMENDED OR OFFERED BY FLORIDA POWER AND LIGHT TO PREVENT UNDERMINING OF POWER POLES DURING CONSTRUCTION. IF HOLDING OF POWER POLES IS RECOMMENDED OR REQUIRED BY THE UTILITY, THE CONTRACTOR SHALL COORDINATE THIS ACTIVITY WITH THE UTILITY AND BEAR ALL RELATED COSTS.
28. ANY TEMPORARY SHUTDOWNS FOR MODIFICATIONS OF EXISTING UTILITY SYSTEMS THAT MUST REMAIN IN SERVICE DURING CONSTRUCTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE COORDINATED WITH AND APPROVED BY THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

RESTORATION

29. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE
30. ALL DISTURBED GRASSED AREAS SHALL BE SODDED OR SEEDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER.
31. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED PER SECTION 02513.
32. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN, SECTION 522, AND SECTION 310 OF THE F.D.O.T. DESIGN STANDARDS.
33. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT PLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE LINE IN AREAS WHERE TRAFFIC MUST PASS, THE CONTRACTOR SHALL INSTALL A TEMPORARY SURFACE CONSISTING OF NINE INCHES OF COMPACTED LIME ROCK BASE AND A COAT OF ASPHALT EMULSION.
34. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE COMPLETED WITHIN FORTY-FIVE CALENDAR DAYS OF INITIAL DISTURBANCE, OR TWENTY-ONE CALENDAR DAYS OF SUBSTANTIAL COMPLETION, WHICHEVER OCCURS FIRST.

CONSTRUCTION

35. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT Baffles POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES, AS APPROVED BY THE ENGINEER.
36. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS SHALL BE SWEEP DAILY AS PART OF DAILY CLEAN UP.
37. THE CONTRACTOR IS TO CONTROL ALL FLUTIGITE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
38. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING TO INCLUDE HORIZONTAL AND VERTICAL CONTROL FOR ALIGNMENT OF WORK. ALL SURVEY WORK TO ESTABLISH THE HORIZONTAL AND VERTICAL CONTROL SHALL BE UNDER THE GUIDANCE AND DIRECT SUPERVISION OF A REGISTERED PROFESSIONAL SURVEYOR AND MAPPER.
39. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA.
40. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM.
41. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.
42. ONLY MANATEE COUNTY UTILITY OPERATIONS STAFF ARE AUTHORIZED TO OPERATE VALVES ON COUNTY OWNED AND MAINTAINED UTILITY SYSTEMS.

PAVEMENT

43. ALL PAVEMENT AND CONCRETE REPLACEMENT SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
44. PAVEMENT INCLUDES:
a. BACKFILL W/ COMPACTED SOIL TO 100% MAX. DENSITY, PER FDOT SPECIFICATIONS
b. 12" STABILIZED SUB GRADE COMPACTED TO 98% MAX. DENSITY, LER 40
c. REPLACE ALL THERMOPLASTIC STRIPING AND MARKINGS
d. PLACE 11.5" COMPACTED DEPTH OF SP 12.5 STRUCTURAL ASPHALT FOR BASE REPAIR. (TWO 3" PLUS TWO 2" AND ONE, 1.5" LIFT)
e. MILL TO DEPTH OF 1.5 INCHES AND RESURFACE WITH 1.5 INCHES OF FC 12.5 FRICTION COURSE W/ PG7-22 AFTER 30 DAYS OF PLACEMENT OF THE PATCHED AREA. ALL AFFECTED LANES MUST BE MILLED FOR A DISTANCE OF 50' FROM EACH END OF THE PATCHED AREA.

DRAINAGE AND GRADING

45. ALL CONSTRUCTION IS TO BE STAKED IN THE FIELD BY OR UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.
46. THE ENGINEER HAS SECURED THE FOLLOWING PERMITS FOR THE PROJECT: SWFWM EXEMPTION
47. TO PREVENT SEDIMENTARY RUNOFF DURING CONSTRUCTION, STAKED HAY BALES, STAKED SILT SCREENS OR INLET DEBRIS CONTROL SCREENS ARE TO BE PLACED AT STORM INLETS, OUTFALL LOCATIONS AND ADJACENT PROPERTY LINES AS REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITIES. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED AND THEN VERIFIED/INSPECTED BY MANATEE COUNTY INFRASTRUCTURE INSPECTIONS RESOURCES DIVISION (708-7450) PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SEDIMENTATION BARRIERS IN A WORKING MANNER FOR THE DURATION OF CONSTRUCTION AND SHOULD BE CHECKED DAILY. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF OF THE DEPTH OF THE SEDIMENTATION BARRIER SHALL BE IMMEDIATELY REMOVED AND REPLACED IN UPLAND AREAS. IN ADDITION TO SPECIFIED EROSION CONTROL LOCATIONS, THE CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR POTENTIAL EROSION PROBLEMS. IF PROBLEMS OCCUR, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING APPROPRIATE EROSION CONTROL IMMEDIATELY. AN INSPECTION LOG SHALL BE MAINTAINED AND AVAILABLE ONSITE AT ALL TIMES. STORMWATER TREATMENT FACILITIES INCLUDING OUTFALL PER DETAIL ARE TO BE CONSTRUCTED EARLY IN SITE DEVELOPMENT, WITH NO OFF- SITE UNTREATED RUN-OFF OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING TEMPORARY EROSION CONTROL DEVICES FOLLOWING COMPLETION OF ALL CONSTRUCTION AND FINAL STABILIZATION.
48. ALL PIPE LENGTHS SHOWN ON PLAN VIEW ARE TO THE END OF THE MITERED END SECTION. REFER TO MITERED END SECTION DETAIL FOR LENGTH OF PIPE TO BE INCLUDED IN PRICE FOR MITERED END SECTION.
49. TOPOGRAPHIC AND PROPERTY SURVEYS GIVING LOT SIZE, GROUND ELEVATIONS, OBSTRUCTIONS ON SITE, LOCATIONS AND DEPTHS OF SEWERS, CONDUITS, PIPES, EXISTING STRUCTURES, CURBS, PAVEMENTS, TRACTS, AND SOIL BORING DATA GIVING THE NATURE OF GROUND AND SUBSURFACE CONDITIONS HAVE BEEN OBTAINED FROM RELIABLE SOURCES. THE ACCURACY OF THIS DATA IS NOT GUARANTEED, AND IS FURNISHED SOLELY AS AN ACCOMMODATION TO THE CONTRACTOR. USE OF THIS DATA SHALL BE MADE AT THE CONTRACTOR'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE GRANTED DUE TO THE CONTRACTOR'S LACK OF KNOWLEDGE OF SITE CONDITIONS PRIOR TO BID SUBMISSION, THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS AND SOILS TESTS HE MAY DEEM NECESSARY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED.
50. THE CONTRACTOR SHALL VERIFY TOPOGRAPHY AND SATISFY HIMSELF AS TO THE EXTENT OF FILL NECESSARY TO ACHIEVE FINISHED GRADE PRIOR TO AWARD OF CONTRACT. THERE SHALL BE NO CLAIM FOR EXTRAS NOTWITHSTANDING SITE PLAN REVISIONS PROMULGATED SUBSEQUENT TO AWARD OF CONTRACT.
51. ROADSIDE UNDERDRAIN SHOWN ON PLAN IS MINIMUM AND EXTENSION SHALL BE REQUIRED AS DETERMINED NECESSARY BY THE ENGINEER OF RECORD AND/OR MCPWD INSPECTION DEPARTMENT DURING THE COURSE OF CONSTRUCTION.
52. SUITABLE FILL MATERIAL FROM EXCAVATION SHALL BE UTILIZED FOR PROJECT FILL PER GRADING SPECIFICATIONS. UNSUITABLE MATERIAL SHALL BE PLACED IN OPEN AREAS ONLY AS DIRECTED BY THE PROJECT ENGINEER AND SOILS ENGINEER IN ACCORDANCE WITH FDOT INDEX 505.
53. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATIONS.
54. REFER TO CONSTRUCTION TECHNICAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS, GRASSING/SODDING REQUIREMENTS, AND PAVING CONSTRUCTION MATERIAL SPECIFICATIONS.
55. ALL FILL AREAS ARE TO BE CONSTRUCTED IN 12" MAXIMUM LIFTS.
56. THE CONTRACTOR SHALL REVIEW SOILS TESTS AS PERFORMED BY THE SOIL CONSULTANT AND IS ENCOURAGED TO CONDUCT ON-SITE TESTING TO SATISFY HIMSELF AS TO ACTUAL LIMITS OF REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIALS PRIOR TO BIDDING.
57. ON SLOPES GREATER THAN 3:1 PEGGING OR PINNING OF SOD MAY BE REQUIRED.
58. STATION LOCATIONS AND OFFSETS FOR STORM DRAIN INLETS AND MANHOLES REFERENCE THE CENTER OF THE SPECIFIED STRUCTURE BOTTOM. STATION LOCATION IS CENTER OF STRUCTURE BOTTOM FOR JUNCTION BOXES, CENTER OF RISER FOR CURB INLETS. FOR PIPES WITH MITERED END SECTIONS, THE PROPOSED LENGTHS SHOWN ON THE PLANS INCLUDE THE LENGTH OF THE MITERED END SECTION. PAYMENT FOR PIPE SHALL NOT INCLUDE THE LENGTH OF THE MITERED END SECTION. AS SPECIFIED BY DIMENSION "F" AS SHOWN IN FDOT INDEX 272 AND 273. PAYMENT SHALL BE FROM INSIDE STRUCTURE WALL TO INSIDE STRUCTURE WALL. ANY EXTRA PIPE LENGTH LISTED SHALL BE CONSIDERED CONTINGENT.
59. ALL CURB INLET AND JUNCTION BOX STORMWATER STRUCTURES SHALL HAVE HEAVY DUTY RING AND COVER MANHOLE ACCESS

60. DURING DEWATERING OPERATIONS, THE CONTRACTOR SHALL NOT DISCHARGE DIRECTLY TO RECEIVING WATERS, EXISTING CONVEYANCES TO RECEIVING WATERS, OR WETLAND SYSTEMS. TEMPORARY SEDIMENT BASINS, TRAPS, OR SILTATION REDUCTION DEVICES SHALL BE UTILIZED TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFFSITE SEDIMENT TRANSPORT AND TO ENSURE THAT DIRECT DISCHARGE DOES NOT OCCUR.
61. SLURRY WALL - CONSTRUCTION OF THE SLURRY WALL SHOULD BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIAL PROVISIONS OF THE CONTRACTOR BY A GEOTECHNICAL SPECIALTY CONTRACTOR EXPERIENCED IN CONSTRUCTION OF CLAY SLURRY WALLS. CONTRACTOR SHOULD REVIEW GEOTECHNICAL REPORT, PLANS, AND RETAIN EXPERIENCED PERSONNEL TO CARRY OUT THE OPERATIONS, SAFETY, TESTING AND QUALITY CONTROL AS SPECIFIED. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT TECHNICAL SPECIFICATIONS, FOR ENGINEER'S APPROVED THAT COVER MATERIALS, EQUIPMENT, EXCAVATION OF THE WORK (I.E. SLURRY TRENCHING, KEY, CLEANING TRENCH BOTTOM, BACKFILL MIXING & BACKFILL PLACEMENT), CLEAN-UP, SPILL CONTINGENCY PLAN, QUALITY CONTROL, AND TESTING. IN ADDITION, THE FOLLOWING SHALL BE SUPPLIED PRIOR TO START OF CONSTRUCTION:
- A. SOIL-BENTONITE SLURRY MIX DESIGN AND TRIAL MIX REPORTS, INCLUDING MIX PROPORTIONS, DENSITY, MOISTURE CONTENT, GRADATIONS, AND HYDRAULIC CONDUCTIVITY SHALL BE PERFORMED
- B. SPECIFICATIONS OF THE BATCH PLANT AND LAYOUTS SHOWING LOCATIONS OF EQUIPMENT, PONDS, TANKS, PUMPS, VALVES, HOSES AND SUPPLY LINES.
- C. SOURCE OF ALL IMPORTED MATERIAL, INCLUDING BENTONITE. SHIPMENT OF MATERIALS TO THE SITE SHALL BE ACCOMPANIED BY THE SHIPPER'S WRITTEN VERIFICATION OF THE QUALITY OR SPECIFICATION OF THE MATERIAL, A COPY OF WHICH SHALL BE RETAINED BY THE CONTRACTOR.
- D. CERTIFICATION OF BENTONITE QUALITY, SHOWING COMPLIANCE WITH API STANDARD 13A.
- E. CERTIFICATION OF QUALITY OF ANY ADMIXTURE.

ADDITIONAL NOTES:

62. ALL STATIONS AND OFFSETS REFER TO BASELINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
63. WHERE EXCAVATION IS REQUIRED FOR CONSTRUCTION OF SIDEWALK, ALL STUMPS, ROOTS, ETC. SHALL BE REMOVED COMPLETELY FROM THE SIDEWALK AREA. ALL STUMPS WITHIN THE PROJECT LIMITS SHALL BE REMOVED COMPLETELY AND REPLACED WITH COMPACTED BACKFILL BEFORE THE AREA IS FILLED. TREE ROOTS IN AREA OF PROPOSED SIDEWALK, RAMP, OR DRIVEWAY REPLACEMENT SHALL BE GROUND OUT TO A DEPTH OF 6" BELOW BOTTOM OF NEW SIDEWALK OR DRIVEWAY. ALL PRUNED ROOT DEBRIS SHALL BE REMOVED FROM THE SUB-BASE MATERIAL PRIOR TO POURING CONCRETE, ASPHALT, OR APPLICATION OF OTHER SPECIFIED MATERIALS. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
64. ALL STUMPS, ROOTS, AND OTHER DEBRIS PROJECTING THROUGH OR APPEARING ON THE SURFACE OF THE GROUND SHALL BE REMOVED TO A DEPTH OF 1-FOOT BELOW THE COMPLETED SURFACE. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
65. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
66. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED OR RELOCATED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION AT NO ADDITIONAL COST TO THE COUNTY.
67. THE LOCATION REFERENCE OF THE CONCRETE FOUNDATIONS SHALL BE THE CENTER POINT.
68. PER MANATEE COUNTY STANDARDS, THE DISTURBED BENCHMARKS SHALL BE REPLACED WITH A COMPARABLE MARKER IN THE VICINITY. THE COUNTY SURVEYOR, TODD BOYLE SHALL BE NOTIFIED OF THE NEW PERMANENT MARKER POST CONSTRUCTION.


CONTACTS

MANATEE COUNTY PUBLIC WORKS DEPT. WAYNE TROXLER, P.E. 1022 26TH AVENUE EAST BRADENTON, FL 34208 (941) 708-7450 EXT. 7650 FAX: (941) 708-7415	VERIZON FLORIDA INC. JOHN PLOTT 1701 RINGLING BLVD. SARASOTA, FL 34236 (941) 908-6707 FAX: (941) 908-6706 John.Plott@verizon.com	SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT SARASOTA SERVICE OFFICE DARYL R. FLATT, P.E. 8750 FRUITVILLE ROAD SARASOTA, FL 34240 (941) 377-3722 FAX: (941) 373-7660	BRIGHT HOUSE NETWORKS TOM WRIGHT 5413 E. STATE ROAD 64 BRADENTON, FL 34208-5535 (941) 748-3816 EXT. 21348 Tom.Wright@mybriighthouse.com
TECO/PEOPLES GAS CO. DAN SHANAHAN 3281 VICO COURT SARASOTA, FL 34240 (941) 342-4030 FAX: (941) 342-4011 EMERGENCY: 1-877-832-6911	FLORIDA POWER & LIGHT GREG COKER 1253 12TH AVENUE EAST PALMETTO, FL 34221 (941) 723-4430 FAX: (941) 723-4444 EMERGENCY: 1-800-4-OUTAGE Greg.Coker@fpl.com	FLORIDA GAS TRANSMISSION SAFETY HARBOR TEAM 7804 ANDERSON RD TAMPA, FL 33634 CHRIS LEE (813) 466-3327 CELL : (727) 639-7512	PEACE RIVER ELECTRIC COOPERATIVE, INC. P.O. BOX 1310 WACHULA, FL 33873 KENDELL COKER (863) 767-4660 kendell.coker@preco.coop
SUNSHINE STATE ONE CALL OF FLORIDA 1-(800) 432-4770	MANATEE COUNTY HEALTH DEPT. HARRY MESSICK 410 6th AVENUE EAST BRADENTON, FL 34208 (941) 748-0747 EXT. 1355 FAX: (941) 750-9364	DEPARTMENT OF ENVIRONMENTAL PROTECTION STEPHANIE BARIOS 13051 N. TELECCOM PKWY TEMPLE TERRACE, FL 33637 PHONE (813) 632-7600, EXT. 408 FAX: (813) 632-7662	MANATEE COUNTY PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING MICHAEL O'REILLY (941) 749-3500 X-7859 michael.oreilly@mymanatee.org

LEGEND

EXISTING		LEGEND	
BM	BENCH MARK	BUSH	ABREVIATIONS
CW	CONCRETE MONUMENT	TREE	R/W RIGHT OF WAY
IP	IRON PIPE	OAK TREE	CONC CONCRETE
IR	IRON ROD	PALM TREE	ASPH ASPHALT
HUB	HUB	PINE TREE	DRWY DRIVEWAY
N&D	NAIL & DISK ELEVATION	EDGE OF VEGETATION	SWK SIDEWALK
	PARCEL ID NO.	CHAIN LINK FENCE	EP EDGE OF PAVEMENT
	PARCEL ID NO.	WOOD FENCE	BGC BACK OF CURB
	LOT NO.	BARBED WIRE FENCE	
	LOT NO.	FORCE MAIN	
GW	GUY WIRE	POTABLE WATER	
PP	POWER POLE	RECLAIMED WATER	
LP	LIGHT POLE	SANITARY SEWER	
MB	MAIL BOX	STORM DRAIN	
SN	SIGN	GAS LINE	
REF	REFLECTOR	OVERHEAD TV	
SPRK	SPRINKLER	UNDERGROUND TV	
GW	GAS MARKER	OVERHEAD ELECTRIC	
BFP	BACKFLOW PREVENTER	UNDERGROUND ELECTRIC	
BO	BLOW OFF VALVE	OVERHEAD VERIZON	
FD	FIRE HYDRANT	UNDERGROUND VERIZON	
WV	WATER VALVE	VERIZON	
ARV	AIR RELEASE VALVE	UNDERGROUND UTILITY	
WM	WATER METER	OVERHEAD UTILITY	
SMH	SANITARY SEWER MANHOLE	RAIL ROAD TRACKS	
CO	SANITARY SEWER CLEAN OUT	EDGE OF CONCRETE	
SB#1	SOIL BORING LOCATION	EDGE OF ROAD	
TEL	TELEPHONE SERVICE BOX	TOE OF SLOPE	
GI	GRATE INLET	TOP OF BANK	
	MITERED END SECTION	PROPERTY LINE	
		RIGHT OF WAY	

MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES




1022 26th Avenue East
Bradenton, FL 34208

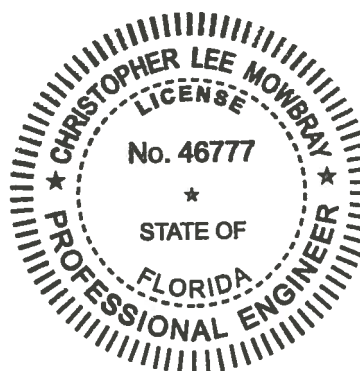
IN-FILL SIDEWALK
CONSTRUCTION PLANS
26TH AVENUE EAST
GENERAL NOTES & LEGEND

NO.	DATE	BY	DESCRIPTION
PROJECT	67-0019900		
SURVEY	N/A		
DESIGNED	06/355/18E		
BY	N.T.S.		
DESIGNED	N/A	N/A	
DRAWN	CB/PBF	1/27/12	
CHECKED	AAM	2/15/12	
CHRISTOPHER LEE MOWBRAY, P.E.			
FLORIDA P.E. #16777			
Signature & Date			

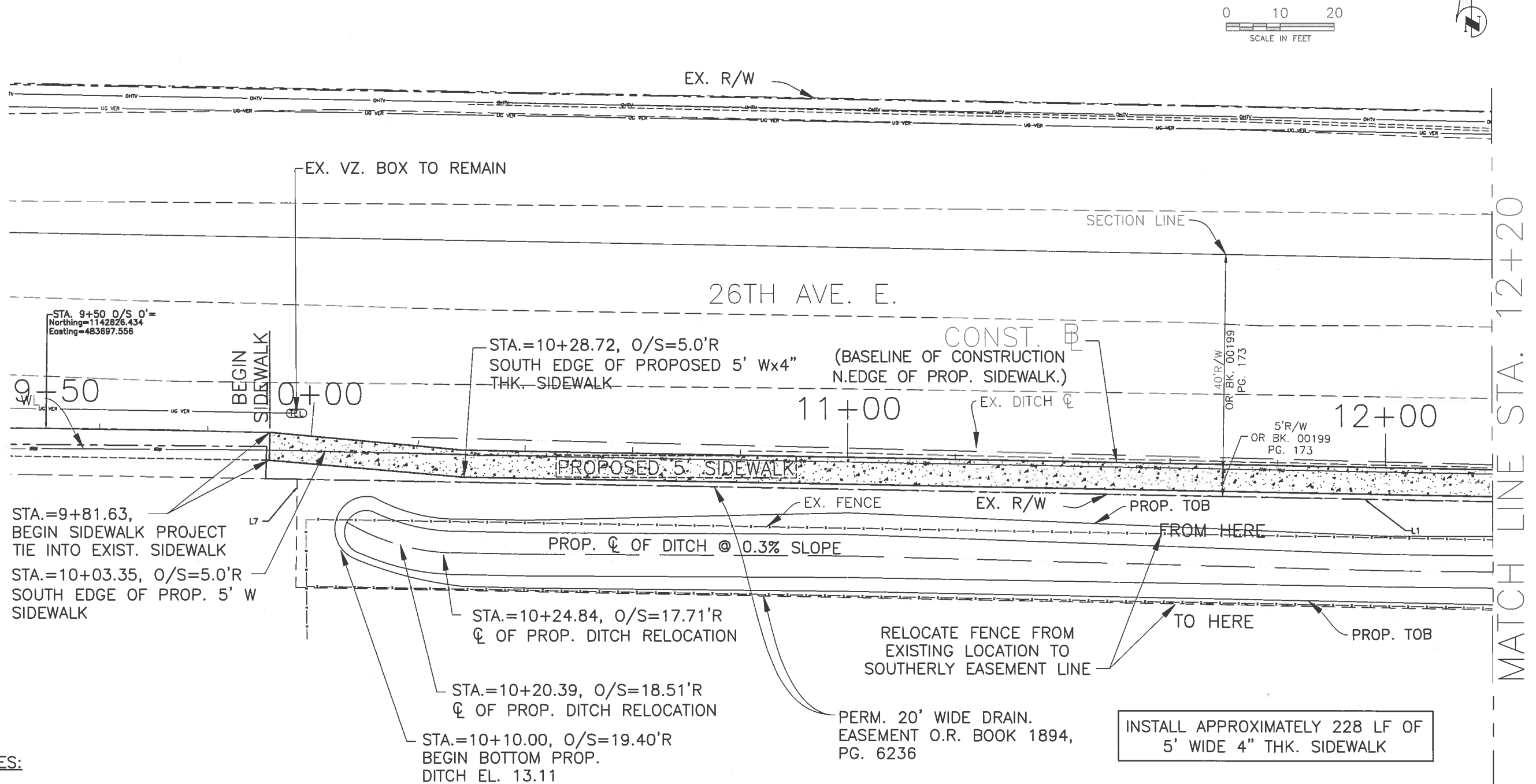
SHEET 2 OF 13

**IN-FILL SIDEWALK
CONSTRUCTION PLANS
26TH AVENUE EAST
SUMMARY OF PAY ITEMS**

DATE					
BY					
REVISION DESCRIPTION					
NO.					
PROJECT #	167-0019900				
SURVEY #	N/A				
SEC./TWN./RGE	06/35S/18E				
SCALE	N.T.S.				
	BY	DATE			
SURVEYED	N/A	N/A			
DESIGNED	CB/PBF	1/27/12			
DRAWN	CB	1/27/12			
CHECKED	AAM	2/15/12			
CHRISTOPHER LEE MOWBRAY, P.E.					
FLORIDA P.E. # 46777  Signature & Date					
SHEET 3 OF 13					

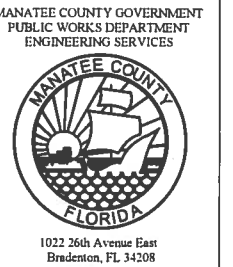
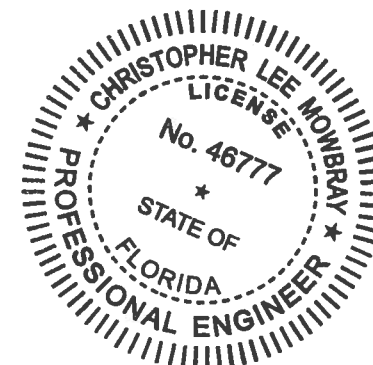


COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT | S:\PWP_Engineering\Share\Highway_Engineering\Sidewalks\26th Ave E\DWG\Sidewalks\26th Ave E.dwg, PP 4, 5/5/2012 2:41 PM Cara Boyer, 1:2 ANSI full bleed B (17.00 x 11.00 inches)



NOTES:

1. LAND SURVEYING AND UTILITY LOCATE ACTIVITIES WERE NOT PERFORMED DURING THE DESIGN PHASE OF THIS PROJECT. IN LIEU OF THESE ACTIVITIES, COUNTY GIS INFORMATION WAS USED FOR THE ROADWAY RIGHT-OF-WAY LINES AND PROPERTY LINES WERE USED AS AN OVERLAY.
2. INFORMATION RECEIVED FROM THE UTILITY COMPANIES WAS ADDED TO THE CONTRACT DRAWINGS TO INDICATE ONLY THE GENERAL LOCATION OF THE EXISTING BURIED UTILITIES WITHIN THE PROPOSED ROUTE OF THE SIDEWALK ALIGNMENT. THE ACCURACY OF THE VARIOUS UTILITY LOCATIONS SHOWN ON THE DRAWINGS HAS NOT BEEN FIELD VERIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND/OR SUNSHINE TO LOCATE ALL EXISTING BURIED UTILITIES IN THE ALIGNMENT OF THE PROPOSED SIDEWALK PRIOR TO COMMENCING WORK ACTIVITIES.
3. BENCH MARK EL=13.24 OF THE EXISTING RIM @ STA. 14+95, o/s 9.67' RT. BASED ON LIDAR DATA.

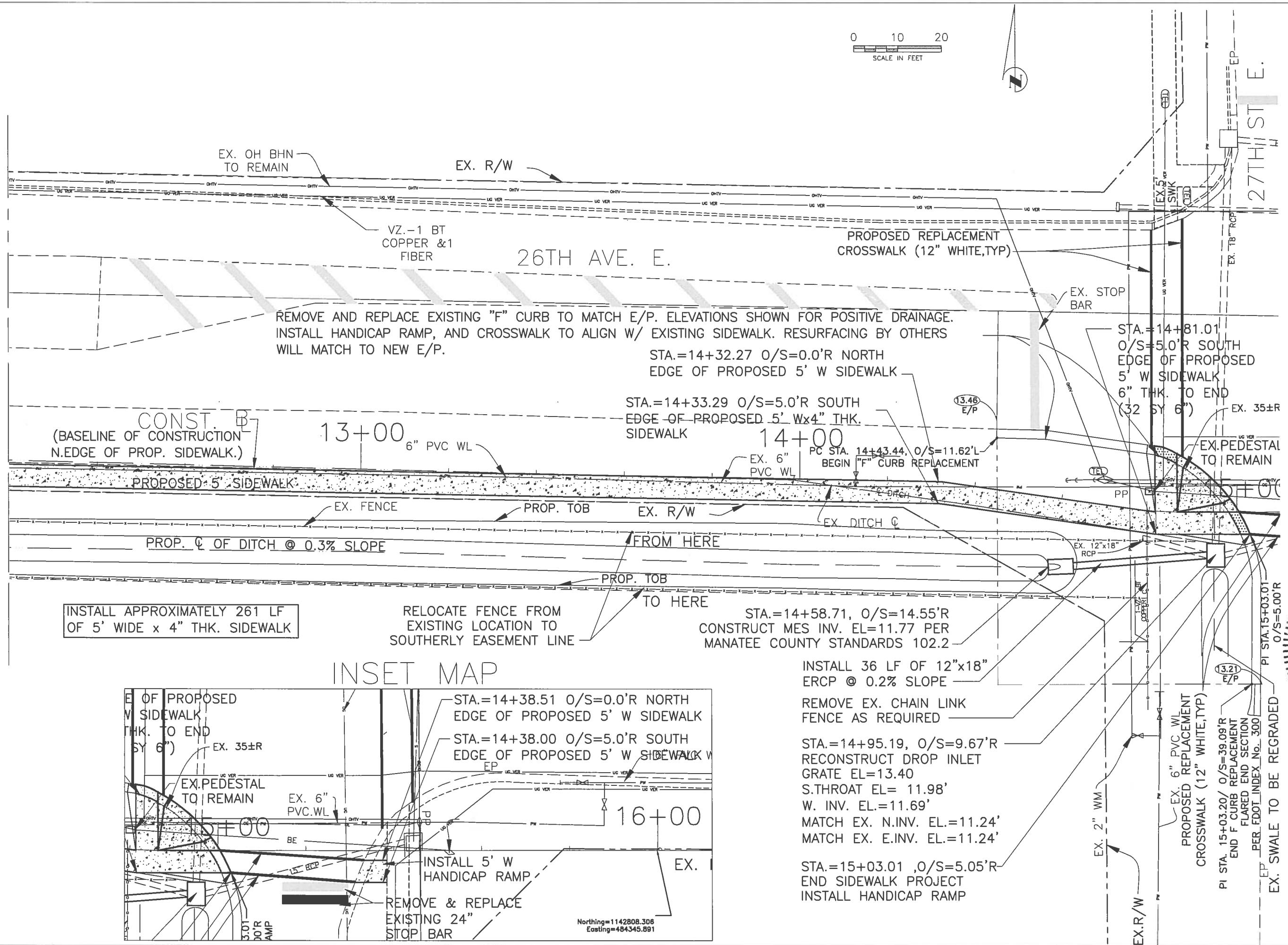


**IN-FILL SIDEWALK
CONSTRUCTION PLANS
26TH AVENUE EAST
PLAN STA. 9+50 TO 12+20**

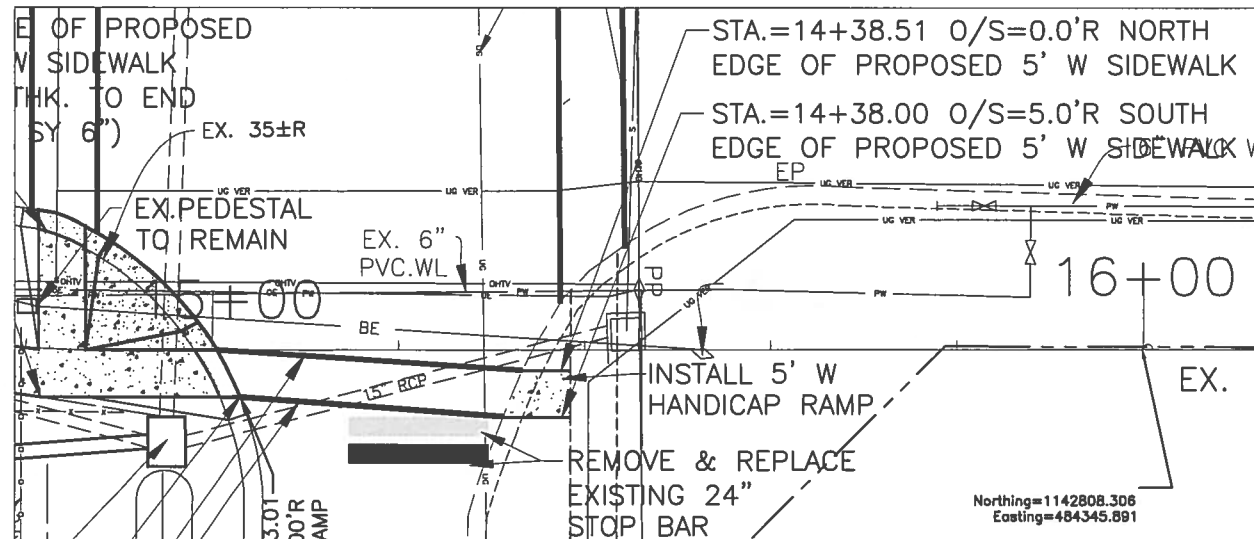
NO.	REVISION DESCRIPTION	BY	DATE
PROJECT #	167-0019900		
SURVEY #	N/A		
SEC./TWN./RGE	06/35S/18E		
SCALE	1"=20'		
	BY	DATE	
SURVEYED	N/A	N/A	
DESIGNED	CB/PBF	1/27/12	
DRAWN	CB	1/27/12	
CHECKED	AAM	2/15/12	
CHRISTOPHER LEE MOWBRAY, P.E.			
FLORIDA P.E. # 46777			
Signature & Date			
SHEET 4 OF 13			

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT S:\P\O\Engineering\Shore\Highway\Engineering\Sidewalks\26th Ave E\DWG\26th St E SW.dwg, PP 5, 5/9/2012 11:38 AM Cara Boyer, 1:2, ANSI full bleed B (17.00 x 11.00 inches)

MATCH LINE STA. 12+20



INSET MAP



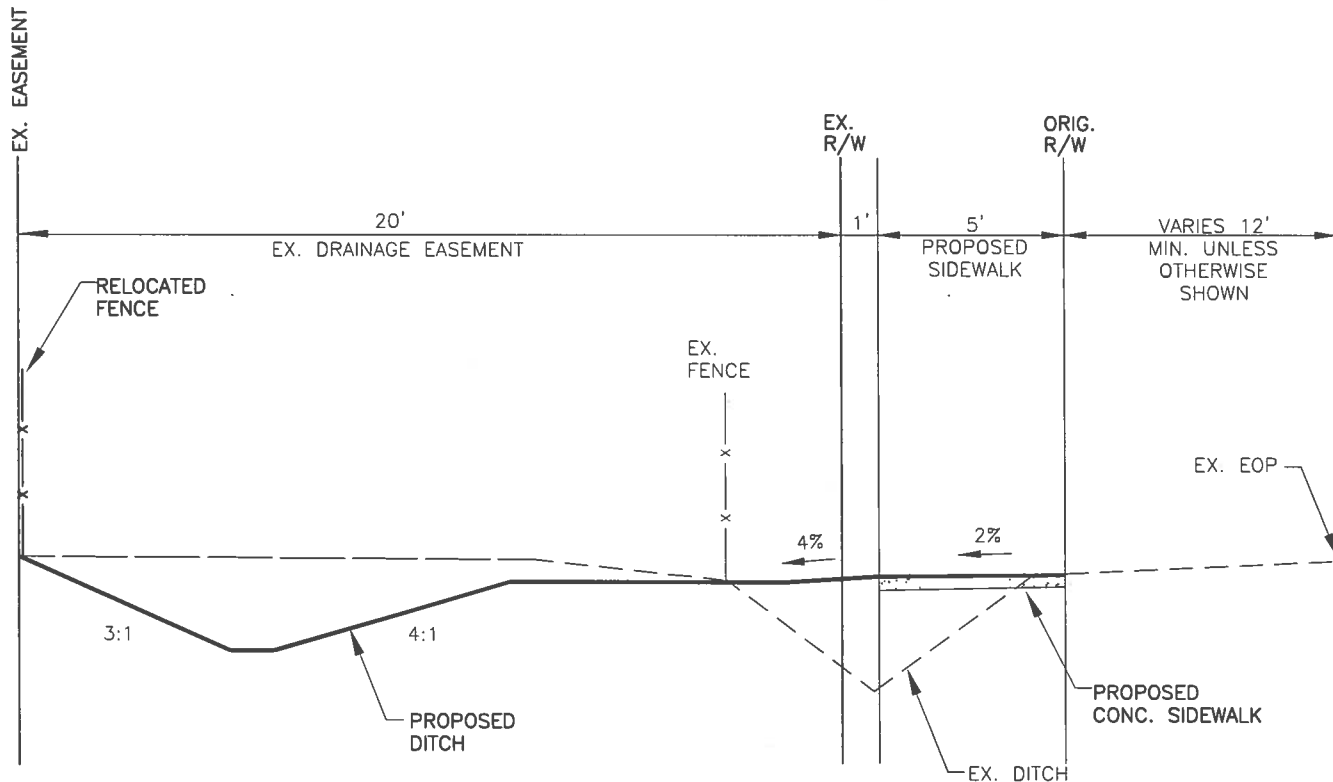
IN-FILL SIDEWALK CONSTRUCTION PLANS 26TH AVENUE EAST PLAN STA. 12+20 TO 27TH ST. E.

DATE					
BY					
NO.					
PROJECT					
SURVEY #					
SEC./TWN./RGE					
SCALE					
BY					
DATE					
SURVEYED					
DESIGNED					
DRAWN					
CHECKED					
CHRISTOPHER LEE MOWBRAY, P.E.					
FLORIDA P.E. # 46777					
Signature & Date					
SHEET 5 OF 13					




1022 26th Avenue East
Bradenton, FL 34208

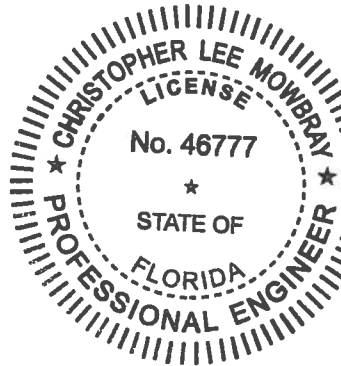
**IN-FILL SIDEWALK
CONSTRUCTION PLANS
26TH AVENUE EAST
TYPICAL SECTION**



TYPICAL SECTION

N.T.S.

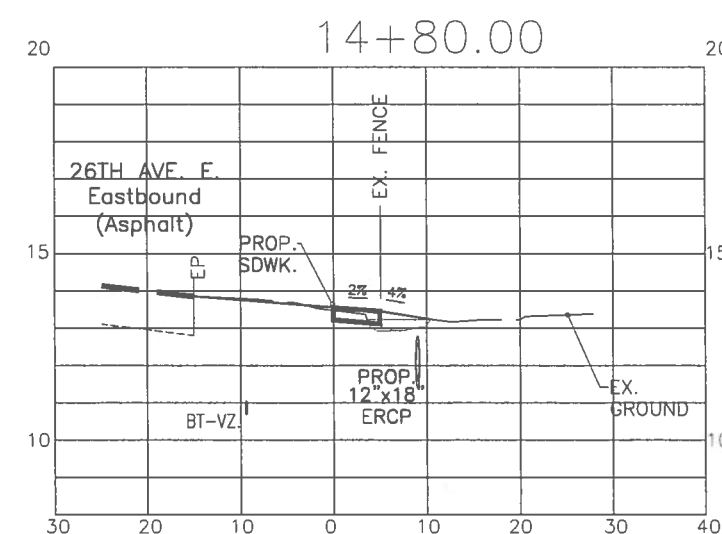
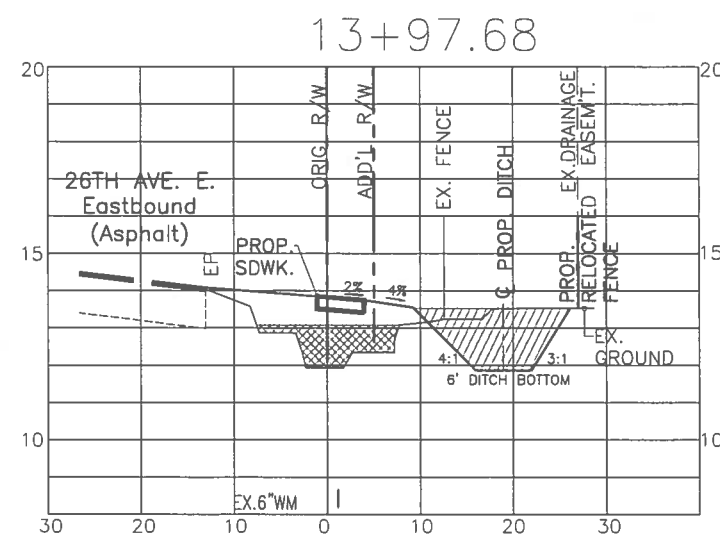
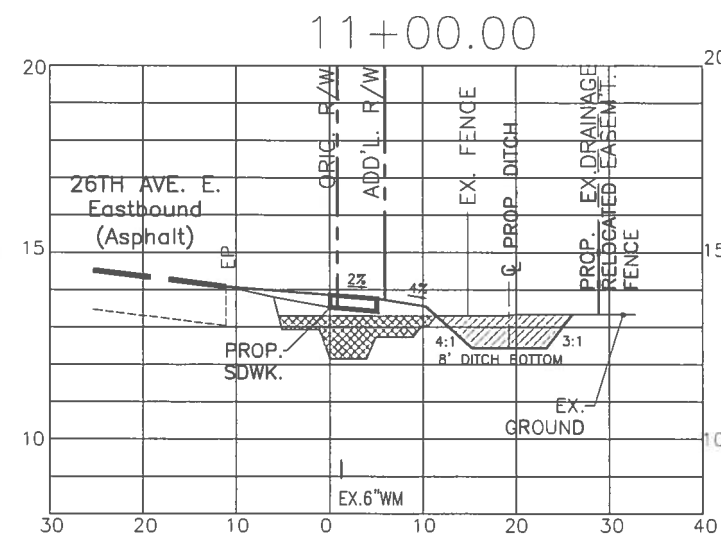
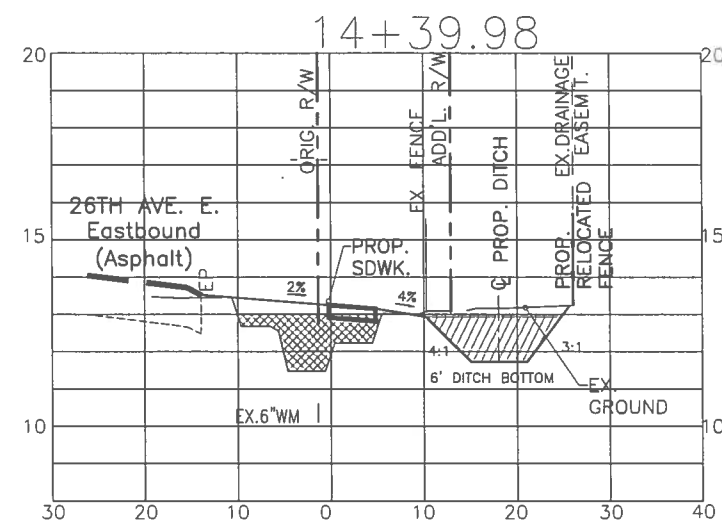
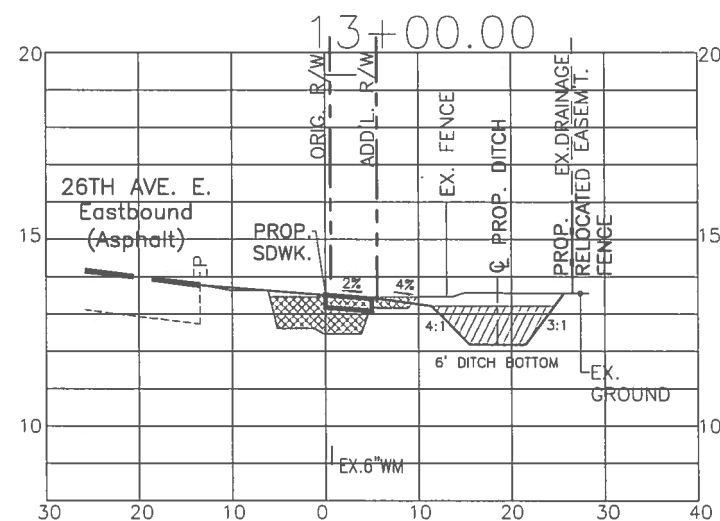
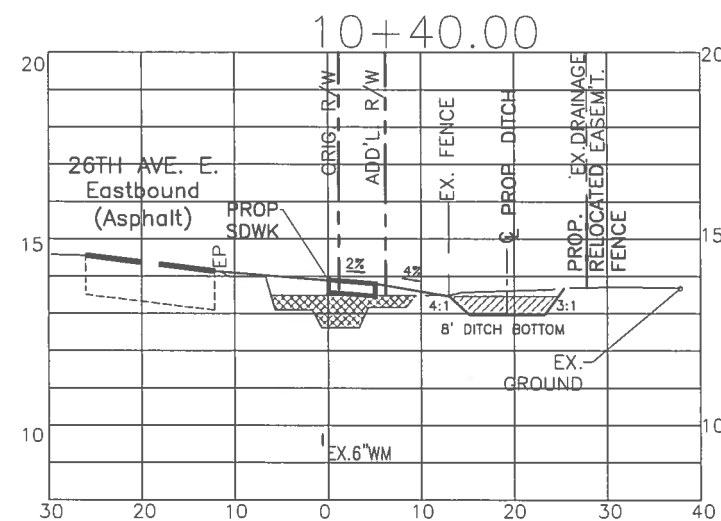
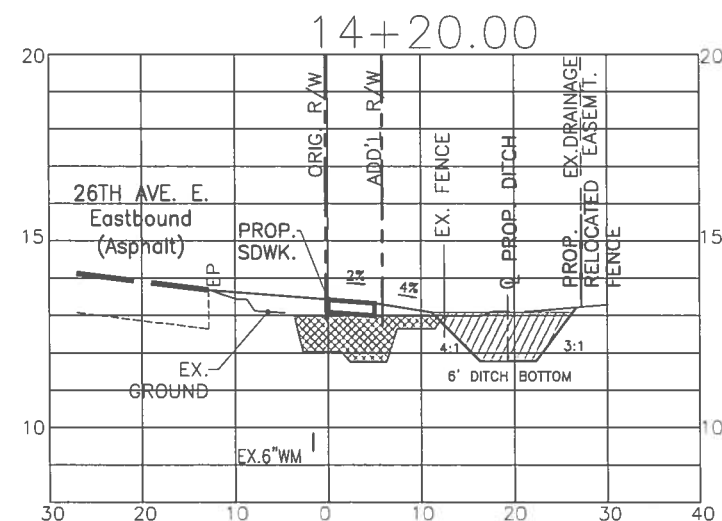
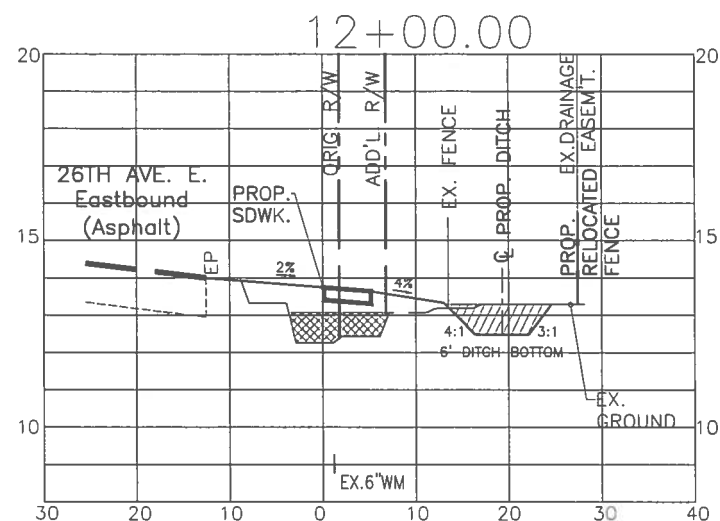
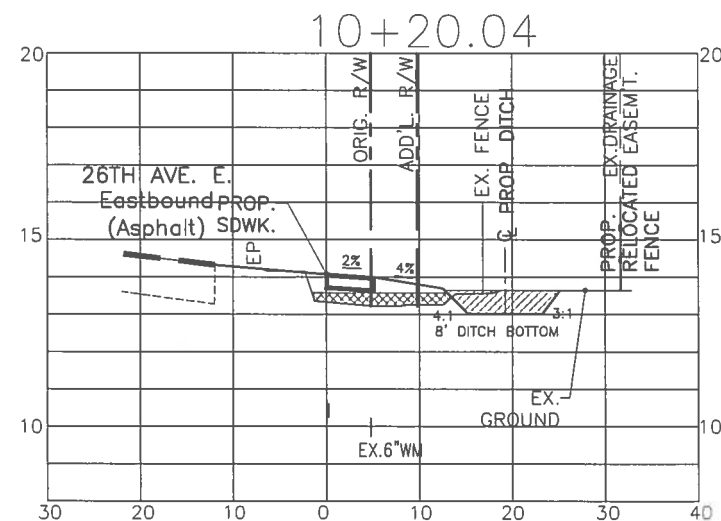
NO.		REVISION DESCRIPTION		BY	DATE
PROJECT #		167-0019900			
SURVEY #		N/A			
SEC./TWN./RGE		06/35S/18E			
SCALE		1"=40H/1"=4'V			
		BY	DATE		
SURVEYED		N/A	N/A		
DESIGNED		CB/PBF	1/27/12		
DRAWN		CB	1/27/12		
CHECKED		AAM	2/15/12		
CHRISTOPHER LEE MOWBRAY, P.E.					
FLORIDA P.E. # 46777					
 5/10/12					
Signature & Date					
SHEET 6 OF 13					



COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT 15 PWD Engineering Shure Highway Engineering\Drawings\26th Ave E\DWG\26th Ave E SW Profiles.dwg, X-SEC, 5/3/2012 10:58 AM Cara Boyer, 12, ANSI full bleed B (17.00 x 11.00 inches)

**IN-FIL SIDEWALK
CONSTRUCTION PLANS**

CROSS SECTIONS -26TH AVE. E.



*INCLUDES QTY FROM 10+10 TO 10+20.04 OF 40.84 CUT/31.14 FILL

AREA OF DITCH COMPENSATED AREA OF DITCH DISPLACED



SCALE: 1"=20' HORIZ.
1"=5' VERT.

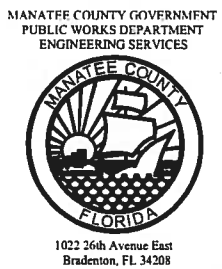
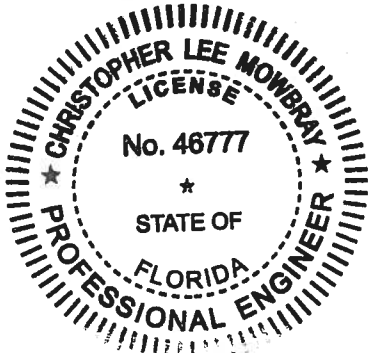
DATE	
BY	
REVISION DESCRIPTION	
PROJECT	187-0029900
SURVEY #	NA
SEC./TWN./RGE	05/35/18E
SCALE	AS SHOWN
SURVEYED	NA
DESIGNED	CB/PBF
DRAWN	CB
CHECKED	AMM
CHRISTOPHER LEE MOWBRAY, P.E.	
FLORIDA P.E. # 46777	
Signature & Date	
SHEET 7 OF 13	

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT, S:\P\010 Engineering - Sherr Highway Engineering\Sidewalks\26th Ave E\DWG\26th St E Sidewalk Ditch Vol Calks, 5/9/2012 10:38 AM Curt Boyer, 1:10083, 11 x 17

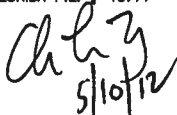
26TH AVE. E. SIDEWALK QUANTITIES		
Existing 12" x 18" pipe to be removed	20	LF
Proposed 12" x 18" RCP	40	LF
Proposed M.E.S.	1	EA
Volume of Swale Displaced	4,373	CF
Volume of Compensation	4,459	CF
Existing Drop Inlet to be Modified	1	EA

Volume of Ditch Compensated (Cut)			
Station	Area	Distance	Volume (cf)
10+10.00	0.00		
10+20.04	6.50	10.04	33
10+20.04	6.50		
10+40.00	5.04	19.96	115
10+40.00	5.04		
11+00.00	10.00	60.00	451
11+00.00	10.00		
12+00.00	6.93	100.00	846
12+00.00	6.93		
13+00.00	10.00	100.00	846
13+00.00	10.00		
13+97.68	19.00	97.68	1419
13+97.68	19.00		
14+20.00	13.75	22.32	362
14+20.00	13.75		
14+39.88	12.50	19.98	262
14+39.88	12.50		
14+60.00	0.00	20.02	125
		TOTAL	4,459.00

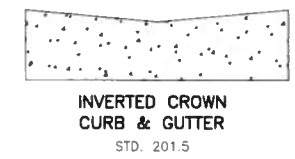
Volume of Ditch Displaced (Fill)			
Station	Area	Distance	Volume (cf)
10+10.00	0.00		
10+20.04	4.50	10.04	23
10+20.04	4.50		
10+40.00	7.99	19.96	125
10+40.00	7.99		
11+00.00	10.76	60.00	562
11+00.00	10.76		
12+00.00	7.18	100.00	897
12+00.00	7.18		
13+00.00	10.75	100.00	896
13+00.00	10.75		
13+97.68	10.52	97.68	1041
13+97.68	10.52		
14+20.00	12.57	22.32	256
14+20.00	12.57		
14+39.88	13.68	19.98	262
14+39.88	13.68		
14+80.00	1.68	40.02	307
14+80.00	1.68		
14+85.00	0.00	5.00	4
		TOTAL	4,373.00



IN-FILL SIDEWALK
CONSTRUCTION PLANS
26TH AVENUE EAST
DITCH VOLUME CALCULATIONS

DATE					
BY					
REVISION DESCRIPTION					
NO.					
PROJECT #	187-0019900				
SURVEY #	N/A				
SEC./TWN./RGE	06/35S/18E				
SCALE	N.T.S.				
	BY	DATE			
SURVEYED	N/A	N/A			
DESIGNED	CB/PBF	1/27/12			
DRAWN	CB	1/27/12			
CHECKED	AAM	2/15/12			
CHRISTOPHER LEE MOWBRAY, P.E.					
FLORIDA P.E. # 46777					
					
Signature & Date					
SHEET 8 OF 13					

MANATEE COUNTY TRANSPORTATION DEPARTMENT		MITERED END SECTION FOR ROUND, SINGLE & MULTIPLE PIPES	102.2
REV BY	DATE		
	6/12/07 DATE OF BCCF APPROVAL		



1. ALL CURB & GUTTER SHALL PROVIDE A 0.125" TO 0.25" CONTRACTION JOINT AT 10' CENTERS.
2. ALL CURB & GUTTER SHALL BE CONSTRUCTED IN COMPLIANCE WITH FLORIDA D.O.T. STANDARD SPECIFICATIONS PER F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 300, LATEST REVISION.
3. TOP OF FINISHED PAVEMENT SHALL BE 0.25" ABOVE LIP OF GUTTER, LOW SIDE.

MANATEE COUNTY TRANSPORTATION DEPARTMENT		CURB & GUTTER CONTROL SHEET	201.0
REV BY	DATE		
	6/12/07		
	DATE OF P.L.C. APPROVAL		



- A) CLASS 1 CONCRETE 3,000 P.S.I. AT 28 DAYS.
- B) CURB AND GUTTER SHALL MEET THE SPECIFICATIONS ESTABLISHED BY FLORIDA D.O.T. STANDARD SPECIFICATIONS PER F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 300, LATEST REVISION.

MANATEE COUNTY TRANSPORTATION DEPARTMENT		TYPE F CURB & GUTTER	201.2
REV BY	DATE		
	5/12/07		
	DATE OF LAST MODIFICATION		

GENERAL NOTES

1. ALL REFERENCED STANDARDS SHALL BE LATEST REVISION.
2. CONCRETE SHALL BE CLASS "1" AS SPECIFIED IN SECTION 345 OF F.O.D.T. SPECIFICATIONS
3. SEE SECTION 425-2.2 "MORTAR" OF FLORIDA D.O.T. SPECIFICATIONS.
4. IRON CASTING SHALL BE AS SPECIFIED IN SECTION 962-8 OF F.O.D.T. SPECIFICATIONS. SEE SECTION 425-5.
5. ALL REINFORCEMENT STEEL SHALL BE AS SPECIFIED IN SECTIONS 415 & 931.1 OF F.O.D.T. SPECIFICATIONS.
6. SEE FLORIDA D.O.T. SPECIFICATIONS FOR GRATINGS.
7. SEE FLORIDA D.O.T. SPECIFICATIONS FOR SECTION 125 "EXCAVATION FOR STRUCTURES"
8. PRECAST TOP AND BOTTOM TO BE F.O.D.T. STANDARDS WITH MINIMUM TRAFFIC BEARING 8" THICKNESS.
9. ALL STORMWATER PIPE SHALL BE INSTALLED BEHIND THE CURB OR EDGE OF PAVEMENT AND WITHIN THE RIGHT OF WAY AND WITHIN THE DRAINAGE EASEMENTS
10. THE FOLLOWING IS THE DRAINAGE STRUCTURE WALL MINIMUM THICKNESS:

<u>PRECAST</u>	<u>BLOCK</u>
NON-THICKNESS 6"	8" EITHER WAY

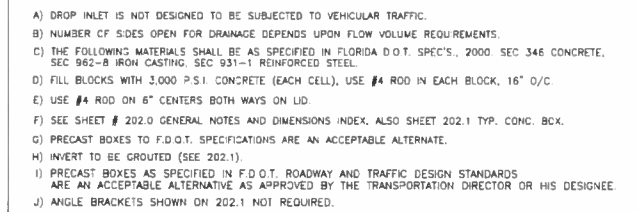
NOTE: FOR DRAINAGE STRUCTURES WITH P.I.P.E. DIAMETERS UP TO AND INCLUDING 24",
6" PRECAST WALLS ARE ACCEPTABLE FOR TRAFFIC BEARING.

		DIMENSION INDEX					
PIPE SIZE	TYPE	"C"	"D"	"E"	"F"	"G"	"H"
15"	RCP	2'8"	4'	5'	4'	5'4"	6'4"
12"x18"	RCP	"	"	"	"	"	"
18"	RCP	"	"	"	"	"	"
14"x23"	RCP	"	"	"	"	"	"
24"	RCP	3'4"	4'6"	5'8"	"	"	"
19"x30"	RCP	4'	5'4"	6'4"	"	"	"
30"	RCP	"	"	"	"	"	"
24"x36"	RCP	5'	6'4"	7'4"	"	"	"
36"	RCP	5'	6'4"	"	"	"	"
66"	RCP	8'5"	9'9"	10'9"	4'8"	6'0"	7'0"

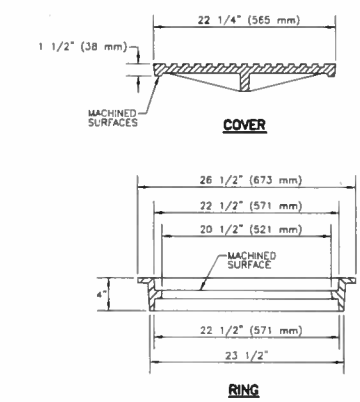
MANATEE COUNTY TRANSPORTATION DEPARTMENT		DRAINAGE CONTROL SHEET	202.0
REV BY	DATE		

6/12/07

DATE: 6/12/07



MANATEE COUNTY		THROAT DETAIL FOR DROP INLET	202.3
TRANSPORTATION DEPARTMENT			
REV BY	DATE		
	6/12/07		
	DATE OF B.O.C.C. APPROVAL		



- NOTE:
- 1 - MATERIAL: ASTM-A48 CLASS 30B GRAY IRON.
 - 2 - COVER WEIGHT: 105 LBS. APPROX.
 - 3 - RING WEIGHT: 90 LBS. APPROX.

MANATEE COUNTY TRANSPORTATION DEPARTMENT		ACCESS COVER FOR STORMWATER JUNCTION BOX (PUBLIC)	203.1
REV BY: 	DATE: 6/12/07 DATE OF B.O.C.C. APPROVAL		

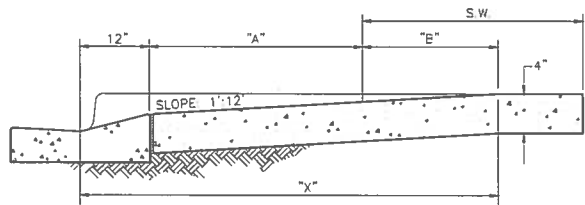
- GENERAL NOTES
1. SIDEWALK SHALL BE CONSTRUCTED A MINIMUM OF 4" THICK, USING 3000 PSI CONCRETE. WHERE SIDEWALK BISECTS A DRIVEWAY, THE MINIMUM SHALL BE 6" OF CLASS I CONCRETE REINFORCED WITH 6"x6" #10 WIRE MESH.
* SEE SHEETS #101.2 & 101.3.
 2. ALL SIDEWALKS SHALL BE CONSTRUCTED TO THE SPECIFICATIONS OF THE MANATEE COUNTY LAND DEVELOPMENT CODE, SECTION 722. A MINIMUM (5) FOOT WIDE SIDEWALK SHALL BE INSTALLED ALONG THE NORTH AND WEST SIDES OF ALL NEW LOCAL STREETS WHICH ARE CONSTRUCTED IN CONJUNCTION WITH A NEW RESIDENTIAL DEVELOPMENT. A SIDEWALK A MINIMUM OF (5) FEET IN WIDTH SHALL BE INSTALLED ON BOTH SIDES OF ALL THOROUGHFARES. REFER TO F.O.D.T. ROADWAY AND TRAFFIC STANDARDS, LATEST REVISION FOR CURB CUT RAMP SPECIFICATIONS.
 3. THE CONCRETE SHALL BE GIVEN A BROOM FINISH. THE SURFACE VARIATIONS SHALL NOT BE MORE THAN 1/4" UNDER A TEN FOOT STRAIGHTEDGE, NOR MORE THAN 1/8" ON A FIVE-FOOT TRAVERSE SECTION. THE EDGE OF THE SIDEWALK SHALL BE CAREFULLY FINISHED WITH AN EDGING TOOL HAVING A RADIUS OF 1/2".
 4. EXPANSION JOINT: EXPANSION JOINTS BETWEEN THE SIDEWALKS & THE CURB OR DRIVEWAY OR AT FIXED OBJECTS AND SIDEWALK INTERSECTIONS SHALL BE 1/2" MATERIAL SHALL MEET THE REQUIREMENTS OF AASHTO M153 OR AASHTO M213. FOR LONG POURS, AN EXPANSION JOINT SHALL BE PLACED AT INTERVALS NOT TO EXCEED 120'.
 5. CONTRACTION JOINTS:
OPEN TYPE JOINTS
OPEN TYPE CONTRACTION JOINTS SHALL BE FORMED BY STAKING A METAL BULKHEAD IN PLACE AND DEPOSITING THE CONCRETE ON BOTH SIDES. AFTER THE CONCRETE HAS SET SUFFICIENTLY TO PRESERVE THE WIDTH AND THE SHAPE OF THE JOINT, THE BULKHEAD SHALL BE REMOVED. AFTER THE SIDEWALK HAS BEEN FINISHED OVER THE JOINT, THE SLEOT SHALL BE FINISHED WITH A TOOL HAVING A 1/2" RADIUS.

SAWED JOINTS
A SLOT APPROXIMATELY 3/16" WIDE AND NOT LESS THAN 1" DEEP AT 10' CENTERS SHALL BE CUT WITH A CONCRETE SAW AFTER THE CONCRETE HAS SET
 6. SIDEWALKS ALONG OTHER STREETS SHALL BE CONSTRUCTED AND DEDICATED AS REQUIRED BY THE APPROVING AUTHORITY WHEN NECESSARY TO CONTINUE AN EXISTING OR PROPOSED SIDEWALK.
 7. HANDICAP RAMPS SHALL MEET FLORIDA ACCESSIBILITIES STANDARDS, AND SECTIONS 301.0, 301.1 AND 301.2.
 8. ALL SIDEWALKS ON R/W WITHIN 10' OF AN EXISTING OR PROPOSED TREE THAT WILL EXCEED 5" IN DIAMETER AT MATURITY SHALL BE 5" THICK AND CONTAIN 2 #3 REBAR CENTERED VERTICALLY AND SPACED 3' ON CENTER. PALMS ARE NOT CONSIDERED TREES.

MANATEE COUNTY TRANSPORTATION DEPARTMENT		SIDEWALKS GENERAL NOTES	301.0
REV BY	DATE		
6/12/07 DATE OF B.O.C.C. APPROVAL			

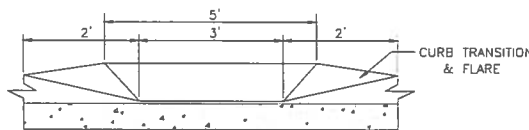
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BY					
PROJECT 46777-0019900					
SURVEY #		N/A			
SEC./TWN./RGE		06/35S/18E			
SCALE		N.T.S.			
	BY	DATE			
SURVEYED	N/A	N/A			
DESIGNED	CB/PBF	1/27/12			
DRAWN	CB	1/27/12			
CHECKED	AAM	2/15/12			
CHRISTOPHER LEE MOWBRAY, P.E.					
FLORIDA P.E. # 46777 					
Signature & Date					
SHEET 9 OF 13					

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT | S:\PMD_Engineering\Share\Highway_Engineering\Sidewalks\26th Ave E\DWGS\26th St E SW.dwg, Del 10, 5/2/2012 10:38 AM Caro Boyer, 1,2,16,36, ANSI expand B (11.00 x 17.00 inches)



SECTION A-A
(SEE SHEET 301.0)

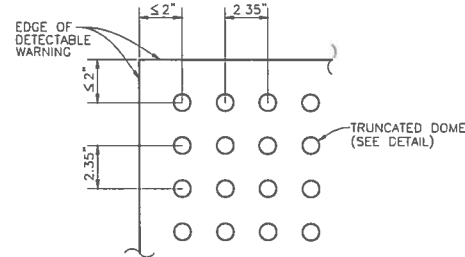
SW = SIDEWALK	A"	SW + A + 10"	X"	B"
5'	0	5.8'	5.8'	5'
6'	0	6.8'	6.8'	6'
7'	0	7.8'	7.3'	6.5'
8'	0	8.8'	7.3'	6.5'
5'	2.5'	8.3'	8.1'	4.8'
5'	3'	8.8'	8.2'	4.4'
5'	3.5'	9.3'	8.4'	4.1'
5'	4'	9.8'	8.6'	3.8'
5'	4.5'	10.3'	8.7'	3.4'
5'	5'	10.8'	9.1'	3.1'



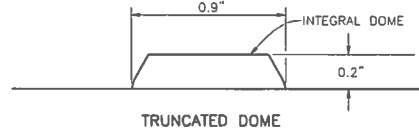
SECTION B-B
(SEE SHEET 301.0)

NOTE: FOR COMPLETE HANDICAP, PUBLIC SIDEWALK AND CURB RAMP DETAILS, SEE FDOT DESIGN STANDARDS, 2006 EDITION, INDEX 304, SHEETS 1 THROUGH 6

MANATEE COUNTY TRANSPORTATION DEPARTMENT		HANDICAPPED RAMP SHEET 2	302.2
REV BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



PLAN VIEW



CURB RAMP DETECTABLE WARNING DETAIL

NOTES:

DETECTABLE WARNINGS ON WALKING SURFACES

THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND DEPTH OF THE CURB RAMP

DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH, A HEIGHT OF NOMINAL 0.2 INCH AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCH AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT

THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT

THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70%.

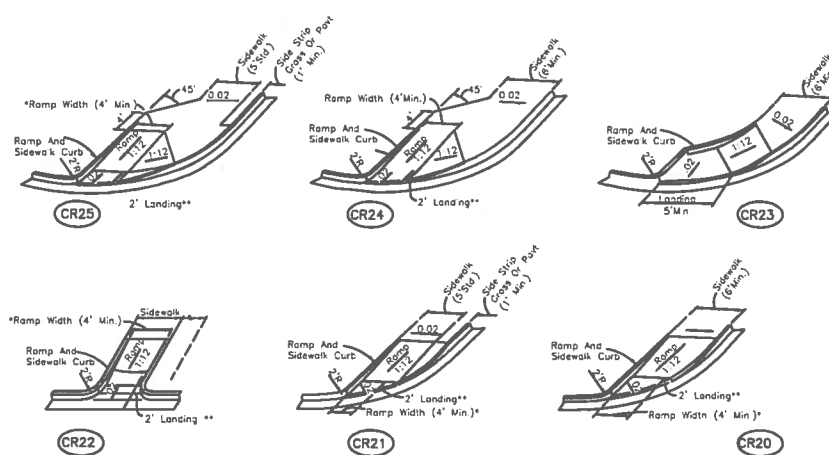
CONTRAST IN PERCENT IS DETERMINED BY:

$$\text{CONTRAST} = \frac{(B1 - B2) / B1}{1} \times 100$$

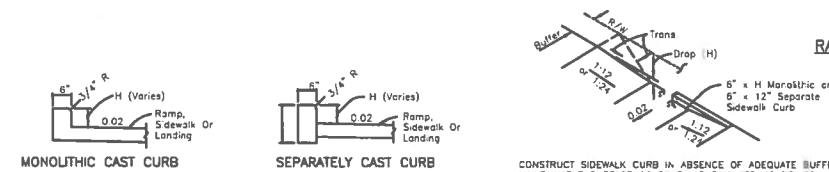
WHERE B1 = LIGHT REFLECTANCE VALUE (LRV) OF THE LIGHTER AREA AND B2 = LIGHT REFLECTANCE VALUE (LRV) OF THE DARKER AREA.

NOTE THAT IN ANY APPLICATION BOTH WHITE AND BLACK ARE NEVER ABSOLUTE, THUS, B1 NEVER EQUALS 100 AND B2 IS ALWAYS GREATER THAN 0

MANATEE COUNTY TRANSPORTATION DEPARTMENT		CURB RAMP DETECTABLE WARNINGS	302.3
REV BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



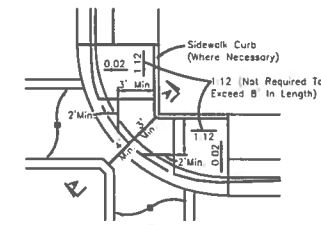
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMP FOR LINEAR PEDESTRIAN TRAFFIC



RAMP AND SIDEWALK CURB OPTIONS

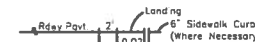
BACK OF SIDEWALK CURB OR
BUFFER TRANSITION

PUBLIC SIDEWALK
CURB RAMP



* CROSSWALK WIDTH AND CONFIGURATION VARY; MUST CONFORM TO FDOT INDEX NO. 17344 AND 17346

PLAN



SECTION AA
(CR26)

DIMENSIONAL FEATURES FOR
PUBLIC SIDEWALK COMBINED CORNER
RAMPS UNDER CONDITIONS OF INFEASIBILITY

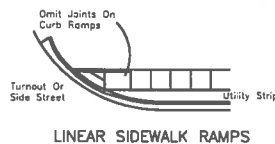
* RAMP WIDTHS FOR CURB RAMPS CR 20, CR 21, CR 22, CR 24, AND CR 25 MAY BE REDUCED TO 3 MIN. IN RESTRICTED CONDITIONS WHEN APPROVED BY THE ENGINEER

** LOWER LANDING NOT REQUIRED AT DRIVEWAYS, PARKING LOTS, OR OTHER AREAS WITH PAVEMENT CROSS-SLOPES LESS THAN 2% (0.02)

FDOT INDEX NO. 304
2010 FDOT INDEX NO. 304
07/01/07 SHEET 4 OF 6

GENERAL NOTES:

- PUBLIC SIDEWALK CURB RAMPS SHALL BE CONSTRUCTED IN THE PUBLIC RIGHT OF WAY AT LOCATIONS THAT WILL PROVIDE CONTINUOUS UNOBSTRUCTED PEDESTRIAN CIRCULATION PATHS TO PEDESTRIAN AREAS, ELEMENTS AND FACILITIES IN THE PUBLIC RIGHT OF WAY AND TO ACCESSIBLE PEDESTRIAN ROUTES ON ADJACENT SITES. CURBED FACILITIES WITH SIDEWALKS AND THOSE WITHOUT SIDEWALKS ARE TO HAVE CURB RAMPS CONSTRUCTED AT ALL STREET INTERSECTIONS AND AT TURNOUTS THAT HAVE CURBED RETURNS. PARTIAL CURB RETURNS SHALL EXTEND TO THE LIMIT PRESCRIBED BY INDEX NO. 315 TO ACCOMMODATE CURB RAMPS. RAMPS CONSTRUCTED AT LOCATIONS WITHOUT SIDEWALKS SHALL HAVE A LANDING CONSTRUCTED AT THE TOP OF EACH RAMP. SEE SHEET 5.
- THE LOCATION AND ORIENTATION OF CURB RAMPS SHALL BE AS SHOWN IN THE PLANS.
- CURB RAMP RUNNING SLOPES AT UNRESTRAINED SITES SHALL NOT BE STEEPER THAN 1:12 AND CROSS SLOPE SHALL BE 0.02 OR FLATTER. TRANSITION SLOPES SHALL NOT BE STEEPER THAN 1:12.
- WHEN ALTERING EXISTING PEDESTRIAN FACILITIES WHERE EXISTING SITE DEVELOPMENT PRECLUDES THE ACCOMMODATION OF A RAMP SLOPE OF 1:12, A RUNNING SLOPE BETWEEN 1:12 AND 1:10 IS PERMITTED FOR A RISE OF 6" MAXIMUM AND A RUNNING SLOPE OF BETWEEN 1:10 AND 1:8 IS PERMITTED FOR A RISE OF 3" MAXIMUM. WHERE COMPLIANCE WITH THE REQUIREMENTS FOR CROSS SLOPE CANNOT BE FULLY MET, THE MINIMUM FEASIBLE CROSS SLOPE SHALL BE PROVIDED.
RAMP RUNNING SLOPE IS NOT REQUIRED TO EXCEED 8' IN LENGTH, EXCEPT AT SITES WHERE THE PLANS SPECIFY A GREATER LENGTH.
IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, THE WALK SHALL HAVE TRANSITION SLOPES TO THE RAMP. THE MAXIMUM SLOPE OF THE TRANSITIONS SHALL BE 1:12. RAMPS WITH CURB RETURNS MAY BE USED AT LOCATIONS WHERE OTHER IMPROVEMENTS PROVIDE GUIDANCE AWAY FROM THAT PORTION OF CURB PERPENDICULAR TO THE SIDEWALK. IMPROVEMENTS FOR GUIDANCE ARE NOT REQUIRED AT CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC.
- CURB RAMP DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP AND 24" DEEP. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION 527. SEE SHEET 6 OF 6 FOR DETECTABLE WARNING LAYOUTS. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
- WHERE A CURB RAMP IS CONSTRUCTED WITH AN EXISTING CURB, CURB AND GUTTER AND/OR SIDEWALK, THE EXISTING CURB OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE CURB TRANSITIONS OR TO THE EXTENT THAT NO REMAINING SECTION OF CURB OR CURB AND GUTTER IS LESS THAN 5' LONG. THE EXISTING SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE OR WALK GROUND OR TO THE EXTENT THAT NO REMAINING SECTION OF SIDEWALK IS LESS THAN 5' LONG. FOR DETAILS OF CONCRETE SIDEWALK SEE FDOT INDEX 310.
- ALPHA-NUMBERIC IDENTIFICATIONS ARE FOR REFERENCE (PLANS, PERMITS, ETC.)
- PUBLIC SIDEWALK CURB RAMPS ARE TO BE PAID FOR AS FOLLOWS:
RAMPS, RECONSTRUCTED SIDEWALKS, WALK AROUND SIDEWALKS, SIDEWALK LANDINGS AND SIDEWALK CURBS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR SIDEWALK CONCRETE, (TYPE ---, THICK), BY CURB TRANSITIONS ARE RECONSTRUCTED CURBS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR THE PARENT CURB, I.E., CURB CONC. (TYPE ---), LF OR CURB AND GUTTER CONC. (TYPE ---), LF.
WHEN A SEPARATE PAY ITEM FOR THE REMOVAL AND DISPOSAL OF EXISTING CURB, CURB AND GUTTER AND/OR SIDEWALK IS NOT PROVIDED IN THE PLANS, THE COST OF REMOVAL AND DISPOSAL OF THESE FEATURES SHALL BE INCLUDED IN THE CONTACT UNIT PRICE FOR NEW CURB, CURB AND GUTTER AND/OR SIDEWALK RESPECTIVELY.
- ACCEPTANCE CRITERIA FOR DETECTABLE WARNINGS
(a) THE RAMPS DETECTABLE WARNING SURFACE SHALL BE COMPLETE AND UNIFORM IN COLOR AND TEXTURE
(b) 90% OF THE INDIVIDUAL TRUNCATED DOMES MUST COMPLY WITH THE DESIGN CRITERIA
(c) THERE MAY BE NO MORE THAN 4 NON-COMPLYING DOMES IN ANY ONE SQUARE FOOT OF SURFACE
(d) NO TWO ADJACENT DOMES MAY BE NON-COMPLYING
(e) SURFACE MAY NOT DEVIATE MORE THAN 0.10" FROM A TRUE PLANE.
- ALL SIDEWALK SURFACES, RAMP SURFACES, AND LANDINGS WITH A CROSS SLOPE SHOWN IN THIS INDEX TO BE 0.02 SHALL BE 0.02 MAXIMUM. ALL RAMP SURFACES AND RAMP TRANSITION SLOPE WITH A SLOPE SHOWN IN THIS INDEX TO BE 1:12 SHALL BE 1:12 MAXIMUM.



LINEAR SIDEWALK RAMPS

TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS

PUBLIC SIDEWALK
CURB RAMPS

FDOT INDEX NO. 304
2010 FDOT INDEX NO. 304
07/01/07 SHEET 1 OF 6

MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



1023 36th Avenue East
Bradenton, FL 34208

IN-FILL SIDEWALK
CONSTRUCTION PLANS
26TH AVENUE EAST
DETAILS

DATE	BY	REVISION DESCRIPTION	NO.	PROJECT #	167-0019900
				SURVEY #	N/A
				SEC./TWN./RGE	06/35S/18E
				SCALE	N.T.S.
				BY	DATE
				SURVEYED	N/A N/A
				DESIGNED	CB/PBF 1/27/12
				DRAWN	CB 1/27/12
				CHECKED	AAM 2/15/12
				CHRISTOPHER LEE MOWBRAY, P.E.	
				FLORIDA P.E. # 46777	
				Signature & Date	
				SHEET 10 OF 13	

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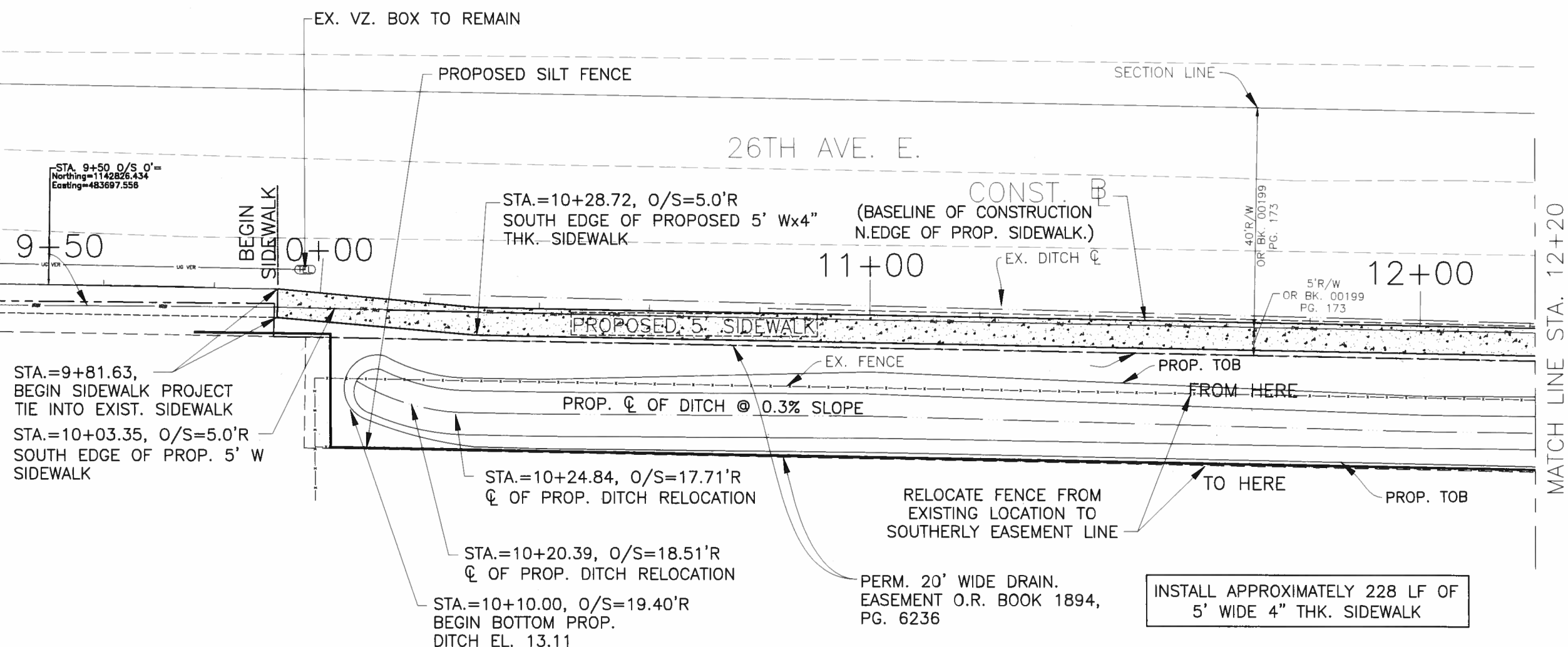
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SURVEY #	N/A				
SEC./TWN./RGE	06/35S/18E				
SCALE	N.T.S.				

	BY	DATE
SURVEYED	N/A	N/A
DESIGNED	CB/PBF	1/27/
DRAWN	CB	1/27/
CHECKED	AAM	2/15/

CHRISTOPHER LEE MOWBRAY, P
FLORIDA R.E. # 56772

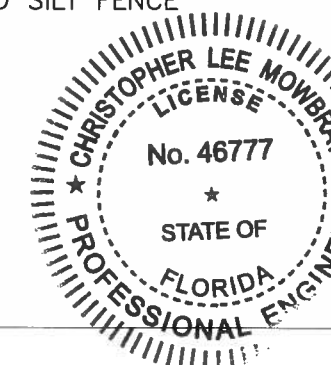
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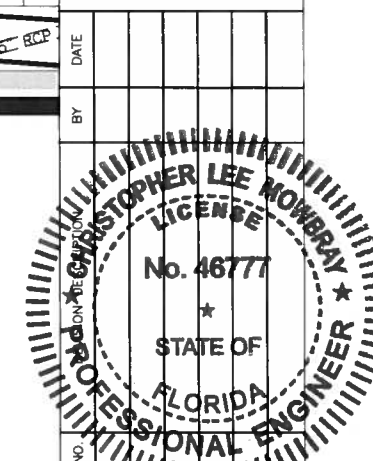
SHEET 11A OF 1.



LEGEND

PROPOSED SILT FENCE





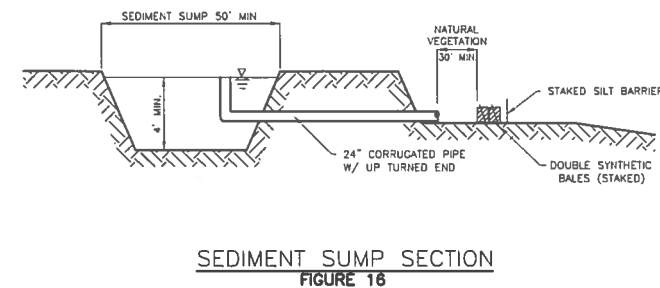
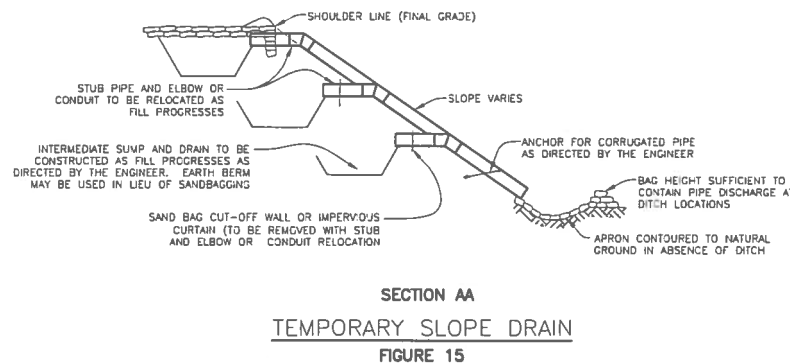
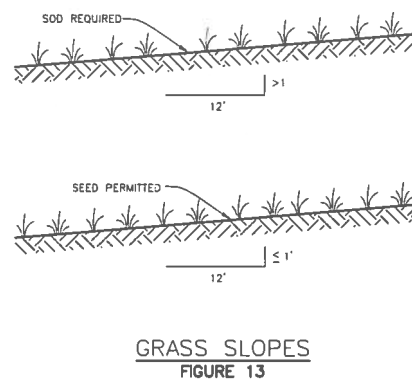
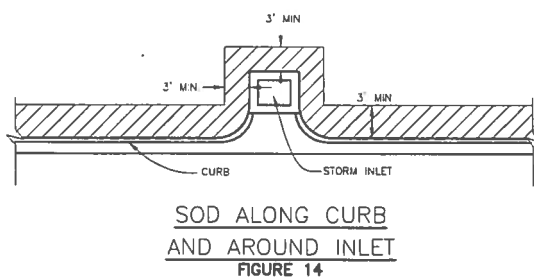
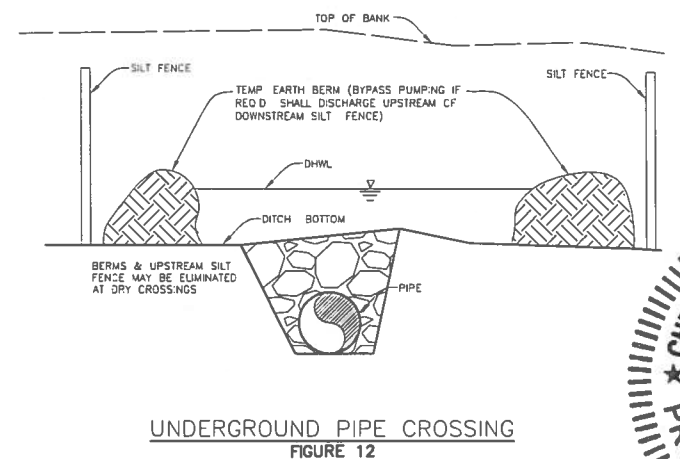
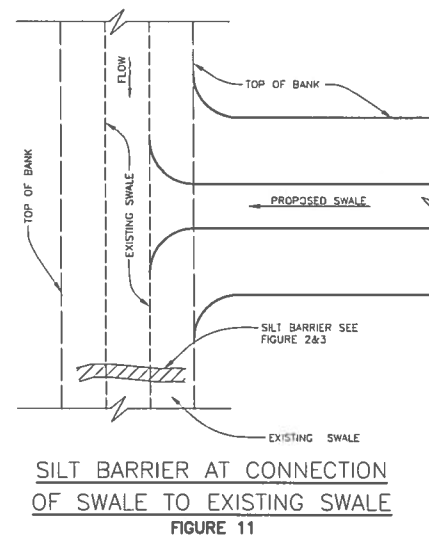
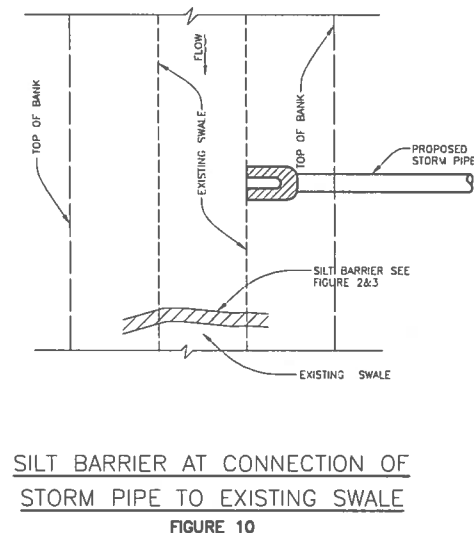
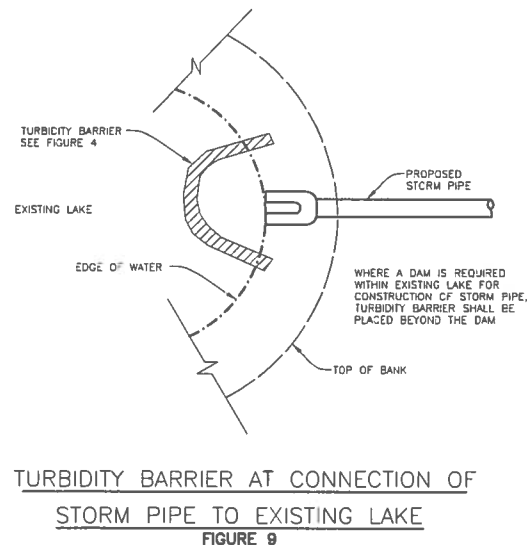
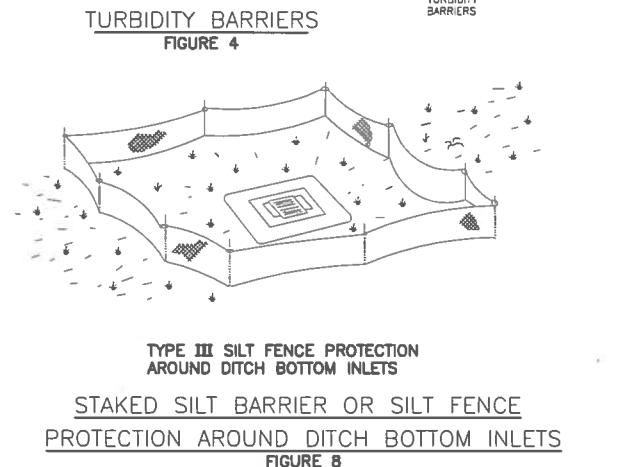
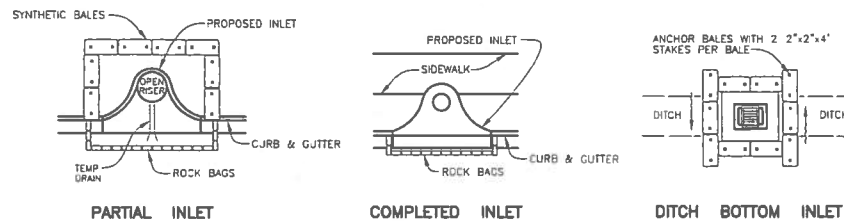
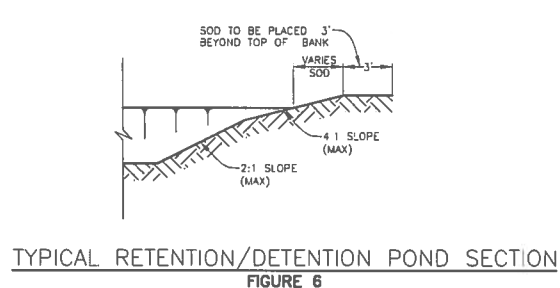
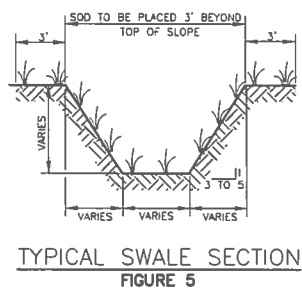
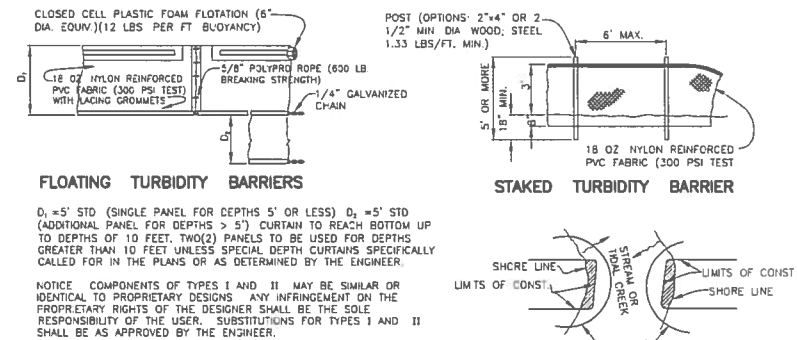
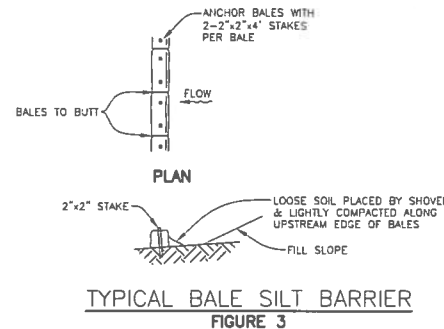
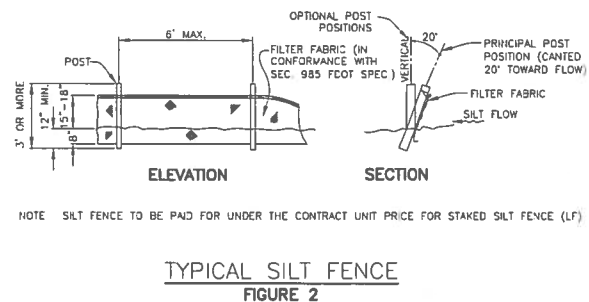
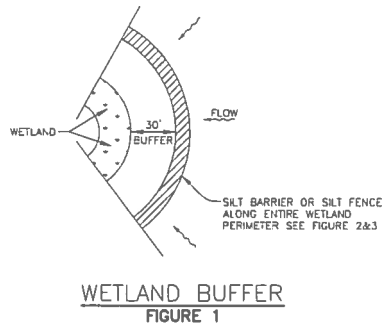
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SURVEY #	N/A	
SEC./TWN./RGE	06/35S/18E	
SCALE	N.T.S.	
	BY	DATE
SURVEYED	N/A	N/A
DESIGNED	CB/PBF	1/27/07
DRAWN	CB	1/27/07
CHECKED	AAM	2/15/07

CHRISTOPHER LEE MOWBRAY, R

FLORIDA P.E. # 46277

Signature & Date

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NOTE:
REFERENCE THE FDOT DESIGN STANDARDS
LATEST EDITION FOR ALL TEMPORARY
EROSION CONTROL MEASURES.

IN-FILL SIDEWALK
CONSTRUCTION PLANS
26TH AVENUE EAST
EROSION CONTROL DETAILS

REVISION	DATE	BY
1		
2		
3		
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CHRISTOPHER LEE MOWBRAY
LICENSE
No. 46777
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

PROJECT: 06/355/18E
SEC./TWN./RGE: 06/355/18E
SCALE: 1"=20'
BY: N/A
DATE: N/A
SURVEYED: N/A
DESIGNED: CB/PBF
DRAWN: CB
CHECKED: AAM
DATE: 1/27/12
DATE: 2/15/12

CHRISTOPHER LEE MOWBRAY, P.E.
FLORIDA P.E. # 46777
Signature & Date
SHEET 12 OF 13

PAY ITEMS

555-1-1, 555-1-2:
USE A MINIMUM OF 2" DIAMETER HDPE CONDUIT FOR ALL PEDESTRIAN AND DETECTION FUNCTIONS.

630-1-12:
USE A MINIMUM 2" DIAMETER SCHEDULED 40 PVC CONDUIT FOR ALL PEDESTRIAN AND DETECTION FUNCTIONS.

632-7-1:
VERIFY THE COLOR CODE OF THE SIGNAL CABLE WITH THE MAINTAINING AGENCY PRIOR TO WIRING INTERSECTION. USE A MINIMUM OF 7 CONDUCTOR SIGNAL CABLE FOR PEDESTRIAN HEADS.

635-1-11:
ALL PULL BOXES AND LIDS SHALL BE OF TRAFFIC BEARING, POLYMER CONCRETE CONSTRUCTION.
PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, PULL BOXES SHALL BE PLACED A MINIMUM OF 7 FEET FROM EDGE OF THE PAVEMENT. THE TOP OF THE LID SHALL HAVE "TRAFFIC SIGNAL" PERMANENTLY CAST INTO THEIR TOP SURFACE IN STAMPED RAISED LETTERS.

646-1-11:
USE BREAKAWAY ALUMINUM SQUARE BASE ASSEMBLIES WITH ALUMINUM DOORS FOR PEDESTRIAN PEDESTALS. INSIDE DIAMETER OF PEDESTRIANS SHALL BE FOUR INCHES (4"). USE LOCKING COLLARS WHEN MOUNTING PEDESTRIAN SIGNAL HEADS TO PEDESTIAN PEDESTALS. USE LOCKING COLLARS WHEN MOUNTING ALUMINUM PEDESTRIAN POLES TO PEDESTRIAN PEDESTAL BASE.

653-191:
PEDESTRIAN SIGNAL HEADS TO BE 16" INTERNATIONAL SYMBOL LED COUNTDOWN TYPE.

665-13:
PAY ITEM SHALL INCLUDE SIGNS FTP-68B-06 ABOVE EACH PEDESTRIAN DETECTOR, STREET NAMES SHALL BE 26TH AVE. E. & 27TH ST. E.

670-5-410:
THE COORDINATION TIMINGS WILL BE SUPPLIED TO THE PROJECT ENGINEER UPON REQUEST FROM CONTRACTORS. REQUESTS SHOULD BE MADE TO MR. VISHAL KAKKAD, P.E. PTOE, TRAFFIC SYSTEMS ENGINEER AT (941) 749-3502.

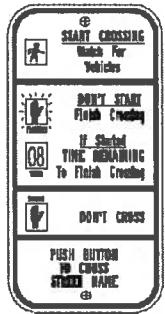
MODIFY EXISTING CONTROLLER AND PERFORM ALL CABINET AND FIELD WIRING NECESSARY TO WIRE NEW PEDESTRIAN SIGNALS, SUCH AS OPTIC ISOLATOR CARDS AND LOAD SWITCHES.

CORE-DRILLING EXISTING CONTROLLER CABINET BASE AND INSTALL NEW CONDUITS. LOCATE NEW CONDUITS SO THEY WILL NOT OBSTRUCT THE MAINTENANCE OF EQUIPMENT IN THE CABINET OR THE ANCHORING OF THE CABINET FLANGE TO THE CONCRETE FOUNDATION.

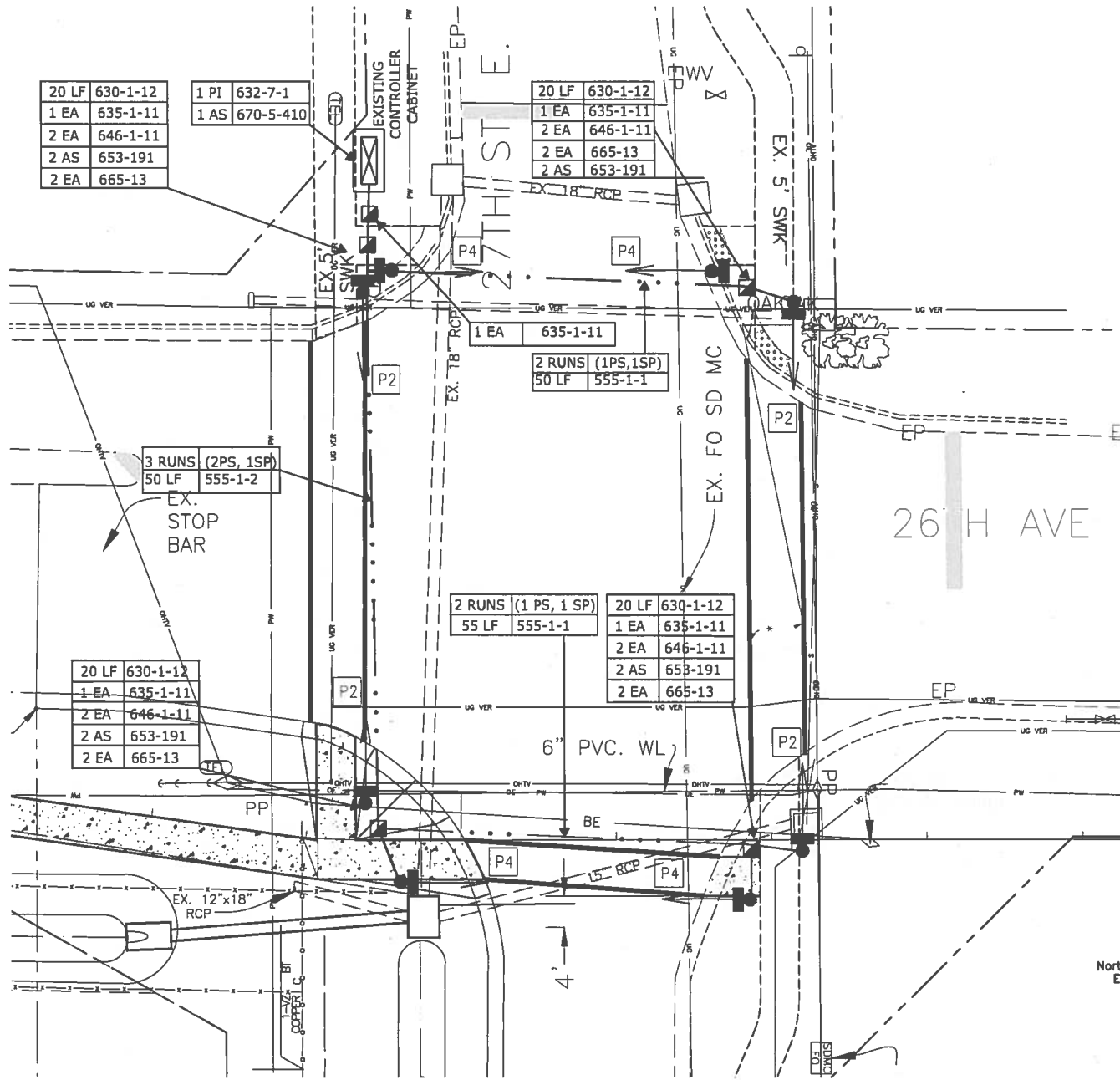
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING INTERNAL CABINET AND EQUIPMENT FROM DUST AND DEBRIS CAUSED BY CORE DRILLING.

CONTROLLER TIMINGS

TIMING FUNCTION	TIMING FUNCTION								
	MOVEMENT NUMBER	1	2	3	4	5	6	7	8
	MINIMUM GREEN		20		7				
	EXTENSION		3		3				
	MAXIMUM GREEN 1		45		25				
	MAXIMUM GREEN 2								
	YELLOW CLEARANCE		3.5		4				
	ALL RED		3		3				
	PEDESTRIAN WALK		10		10				
	PED. CLEARANCE		20		15				
RECALL		MIN.							



STREET NAMES:
27TH ST. E.
26TH AVE. E.



IN-FILL SIDEWALK
CONSTRUCTION PLANS
26TH AVENUE EAST
PEDESTRIAN SIGNALIZATION PLAN

NO.	DATE	BY	REVISION DESCRIPTION
PROJECT #	167-0019900		
SURVEY #	N/A		
SEC./TWN./RGE	06/35S/18E		
1"=20'			
DATE			
SURVEYED			
DESIGNED			
DRAWN			
CHECKED			
★ MICHAEL F. O'REILLY, P.E.			
FLORIDA P.E. NO. 72406			
STATE OF FLORIDA			
PROFESSIONAL ENGINEER			
10/12			
Signature & Date			