

NOTES

- 1. ALL ELEVATIONS UTILIZED IN THESE PLANS ARE NAVD 1988
- 2. SYNTHETIC BALES ARE TO BE USED WITHIN FDOT RIGHT OF

15TH STREET EAST SIDEWALK

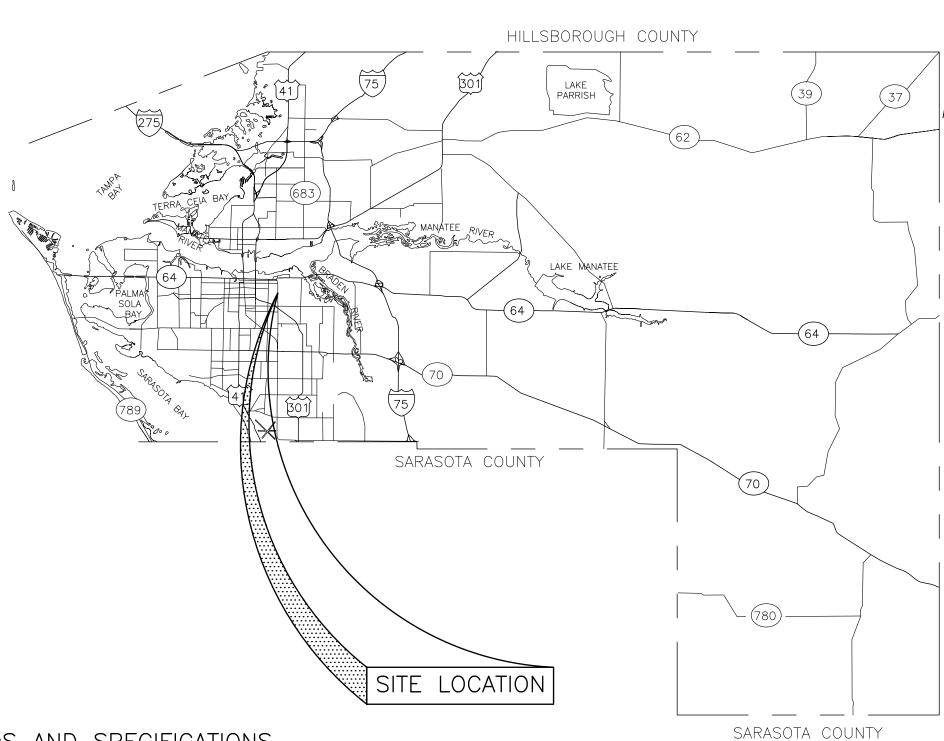
FDOT PERMITS 2019-A-194-00055 AND 2019-D-194-00045 STATE ROAD 70 **SECTION 13120001 MILE-POSTS 1.852 - 2.476**

PROJECT SITE PIRATE CITY 26th AVE E (NASHVILLE RID) 5 SAMOSET SENIOR PLACE WAREHOUSE COMPL 29th AVE E

VICINITY MAP

PROJECT DESCRIPTION

5' SIDEWALK ALONG THE EAST SIDE OF 15TH STREET EAST FROM 14TH AVENUE EAST. TO 17TH AVENUE EAST.



RELATED STANDARDS AND SPECIFICATIONS

GOVERNING STANDARDS AND SPECIFICATIONS: FDOT FY 2019 - 2020 STANDARD PLANS, AND REVISED INDEX DRAWINGS, AS APPENDED HEREIN, AND APPLICABLE ARTICLES AND SUBARTICLES OF DIVISION I AND ALL OF DIVISIONS II & III OF THE 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT DOCUMENTS.

FOR DESIGN STANDARDS CLICK ON THE "DESIGN STANDARDS" LINK AT THE FOLLOWING WEB SITE: HTTP://www.fdot.gov/design/standardplans/current/default.shtm

FOR THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION CLICK ON THE "SPECIFICATIONS" LINK AT THE

FOLLOWING WEB SITE: HTTP://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS/DEFAULT.SHTM

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO: CHRIS MOWBRAY P.E. 1022 26TH AVENUE EAST BRADENTON FLORIDA 34208



100% DESIGN PLANS

NO.	INDEX OF SHEETS
1	COVER SHEET
2	GENERAL NOTES
3	LOCATION MAP
4	EXISTING CONDITION & DEMOLITION PLAN
5	SIDEWALK PLAN
6	CROSS SECTIONS
7	PLAN & PROFILE
8	SIDEWALK DETAILS
9	ENGINEERING DETAILS
10	BEST MANAGEMENT PRACTICES
11	MAINTENANCE OF TRAFFIC PLAN



201 5th AVENUE DRIVE EAST BRADENTON, FL 34208 E-MAIL: ZNS@ZNSENG.COM | TELEPHONE 941.748.8080 | FAX 941.748.3316

PREPARED FOR:
MANATEE COUNTY
PUBLIC WORKS DEPT.
1022 26TH AVE. E.
BRADENTON, FL 34208

PREPARED BY: ZNS ENGINEERING, LLC 201 5th AVENUE DRIVE EAST BRADENTON, FLORIDA 34208 941.748.8080 FAX: 941.748.8316

CHECKED

REVISIONS	PROJECT DATA: MC 15TH STREET SIDEWALK 44630
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ENGINEERING SERVICES

DATE							
ВУ							
REVISION DESCRIPTION							
NO.							
PRO	JECT	#	000				
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050	/T\4/N	· /DC	 71 7	10	100		

SEC./TWN./RGE 31, 34S, 18E SCALE N.T.S. DATE SURVEYED N/A 04/2019 04/2019 DRAWN DR MF 04/2019 MICHAEL FERDINAND, P.E.

FLORIDA P.E. # 77752

Signature & Date

SHEET 01

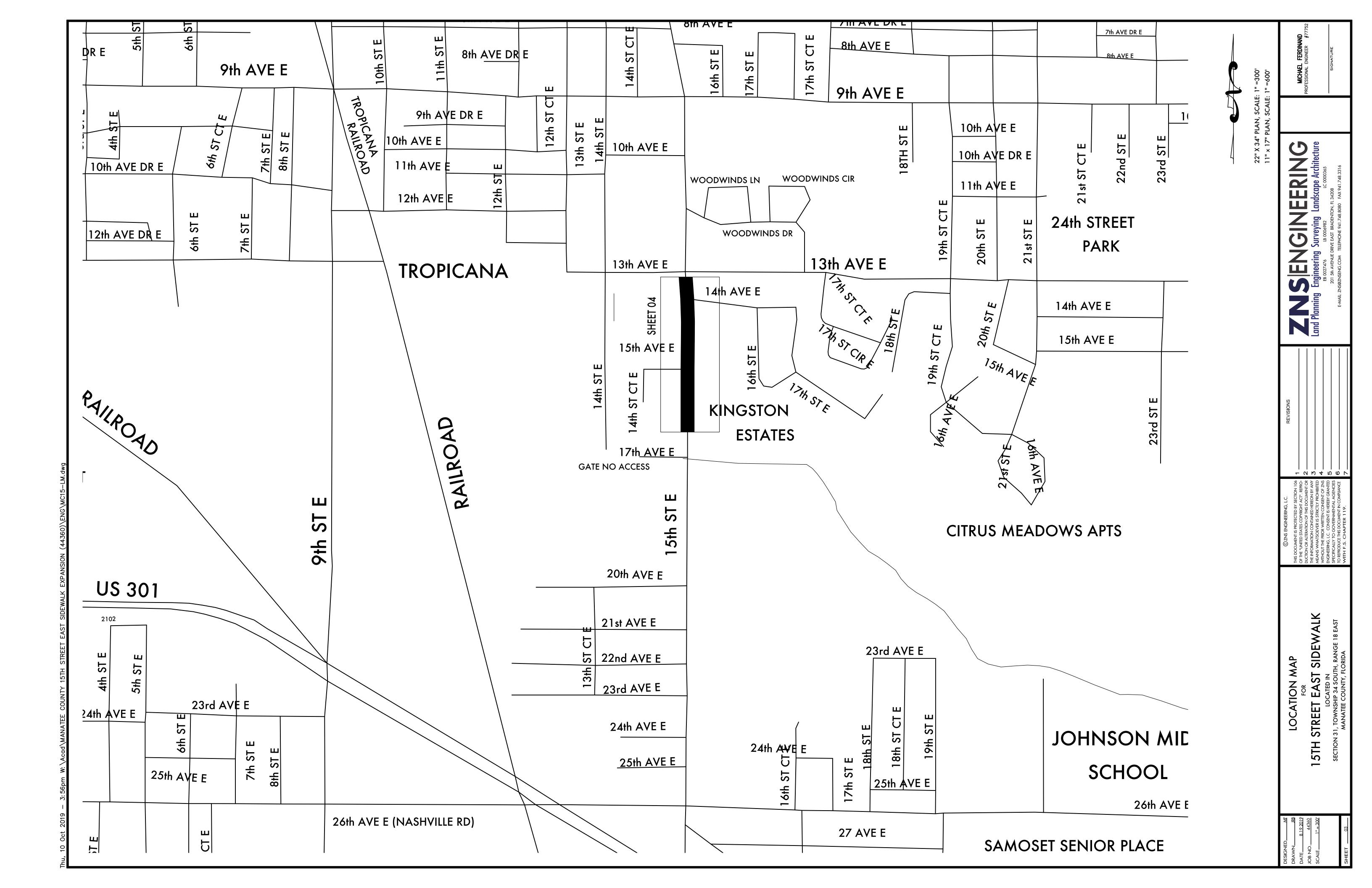
- 3. THE CONTRACTOR SHALL VERIFY TOPOGRAPHY AND SATISFY HIMSELF AS TO THE EXTENT OF FILL NECESSARY TO ACHIEVE FINISHED GRADE PRIOR TO AWARD OF CONTRACT. THERE SHALL BE NO CLAIM FOR EXTRAS NOTWITHSTANDING SITE PLAN REVISIONS PROMULGATED SUBSEQUENT TO AWARD OF CONTRACT.
- 4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATIONS.
- 5. REFER TO CONSTRUCTION TECHNICAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS, GRASSING/SODDING REQUIREMENTS, AND PAVING CONSTRUCTION MATERIAL SPECIFICATIONS.
- 6. THE CONTRACTOR IS TO 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.
- 7. ALL PROPOSED CONSTRUCTION IS TO MEET OR EXCEED LATEST APPLICABLE MANATEE COUNTY TRANSPORTATION DEPARTMENT STANDARDS AND IS TO MEET ENGINEER'S SPECIFICATIONS.
- 9. CONTRACTOR TO SOD/RESTORE ALL DISTURBED AREAS

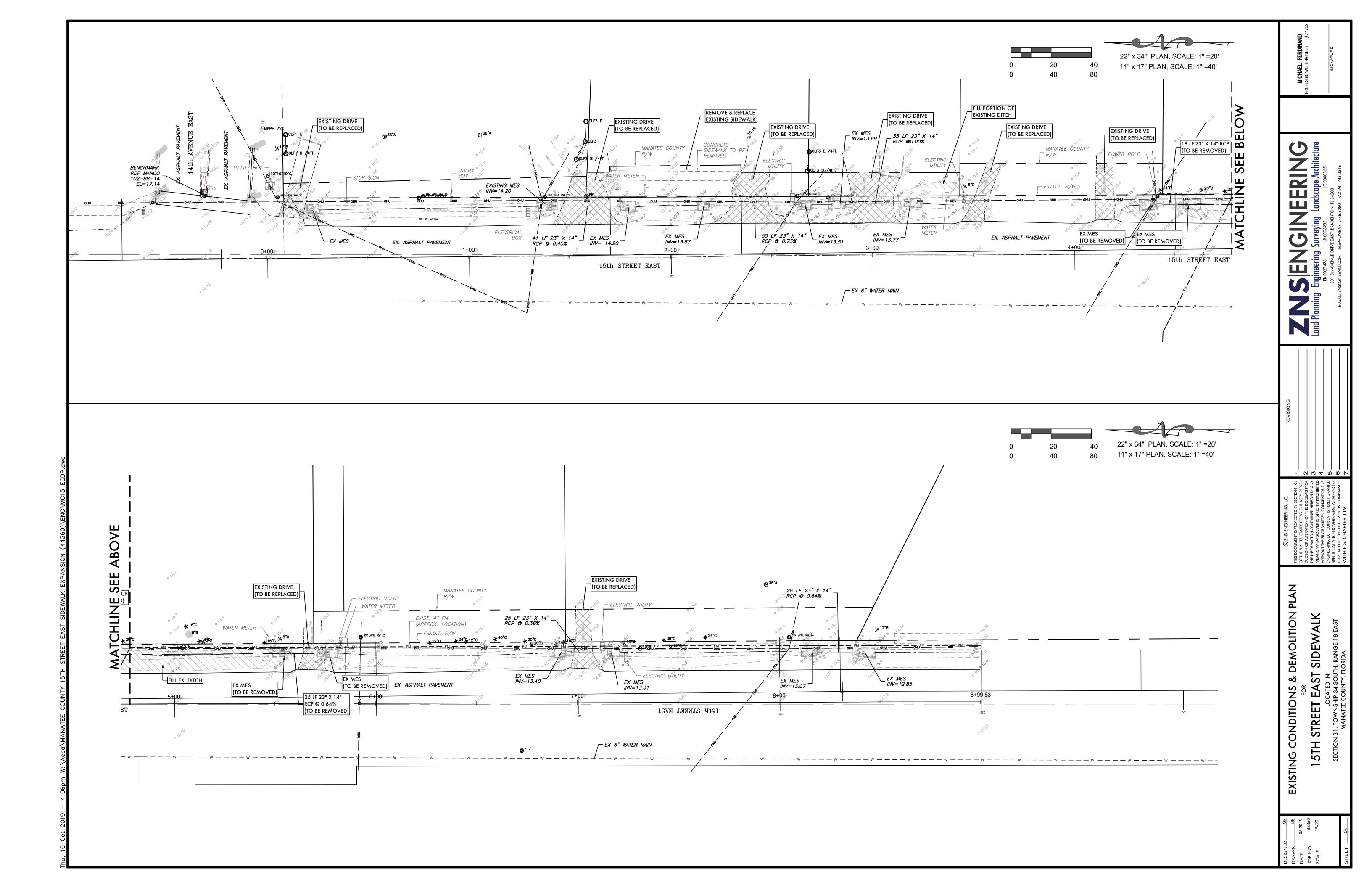
GENERAL CONSTRUCTION NOTES

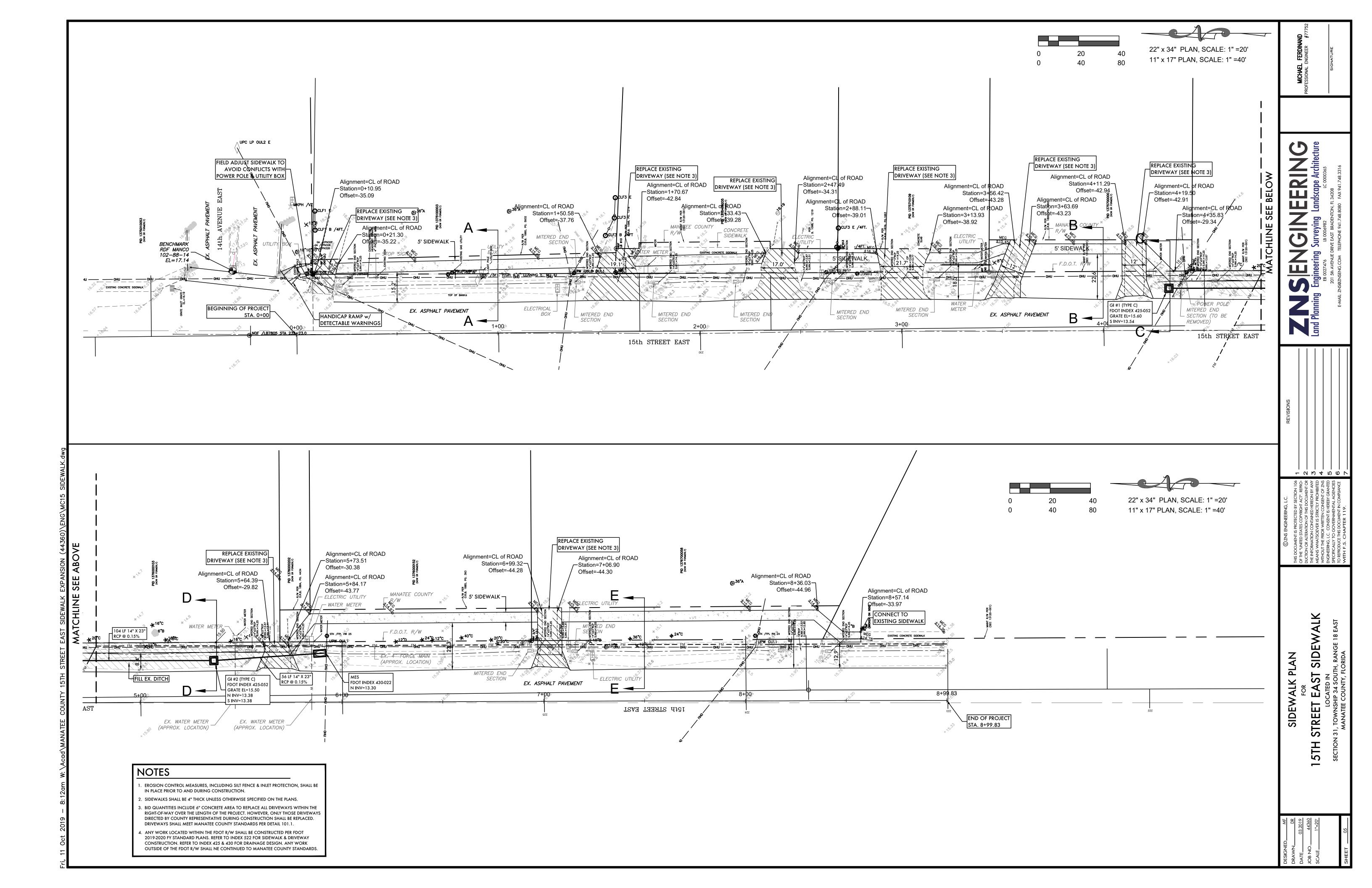
- 1. THE CONTRACTOR IS TO COORDINATE THE LOCATION AND ELEVATION OF ALL FRANCHISE UTILITIES. INCLUDING BUT NOT LIMITED TO FP&L, GTE AND IRRIGATION SERVICE SLEEVES WITH RESPECTIVE AGENCY PRIOR TO CONSTRUCTION.
- 2. ALL PROPOSED ELECTRICAL AND COMMUNICATION SERVICES ARE TO BE LOCATED UNDERGROUND AS DIRECTED BY RESPECTIVE AGENCY.
- 3. CURBING AT SIDEWALK INTERSECTIONS TO BE RECESSED FOR PEDESTRIAN RAMPS. RAMPS TO BE CONSTRUCTED AT TIME OF CURB RADII.
- 4. CONTRACTOR TO OBTAIN APPLICABLE PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND ISSUANCE OF ALL COMMENCEMENT AND/OR PROGRESS NOTICES TO GOVERNMENTAL AGENCIES DURING THE COURSE OF CONSTRUCTION, AS REQUIRED FOR INSPECTION, TESTING AND TRACKING PER APPLICABLE AGENCY PERMIT CONDITIONS.
- 6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMIT CONDITIONS AND STIPULATIONS FOR ALL LOCAL, REGIONAL AND STATE AGENCIES, INCLUDING, BUT NOT LIMITED TO, FINAL SITE PLANS, UTILITIES, DRAINAGE, FUGITIVE PARTICULATES AND EROSION.
- 7. ALL UTILITIES AND/OR DRAINAGE SHOWN AS EXISTING WERE DERIVED FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION, SIZE, TYPE AND AMOUNT OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR TO NOTIFY SUNSHINE UNDERGROUND FACILITIES NOTIFICATION (1-800-432-4770), MCPWD AND FP&L 48 HOURS MINIMUM PRIOR TO START OF CONSTRUCTION FOR POSSIBLE UTILITY LOCATIONS NOT SHOWN ON PLANS.
- 8. RIGHT OF WAY USE PERMIT TO BE OBTAINED BY THE CONTRACTOR FOR OFF-SITE CONSTRUCTION.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR ESTIMATING AND CALCULATING ALL QUANTITIES. PRIOR TO BID SUBMISSION THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS AND SOIL TESTS HE DEEMS NECESSARY TO CALCULATE THE QUANTITIES PROPERLY. ADDITIONAL SURVEYS AND TESTS MADE BY THE CONTRACTOR SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- 10. ALL EASEMENTS AS SHOWN WITHIN THE PROJECT BOUNDARY LIMITS ARE TO BE CONSIDERED PUBLIC (UNLESS OTHERWISE STATED). EASEMENTS TO BE GRANTED IN CONJUNCTION WITH RECORD PLAT PROCESSING.

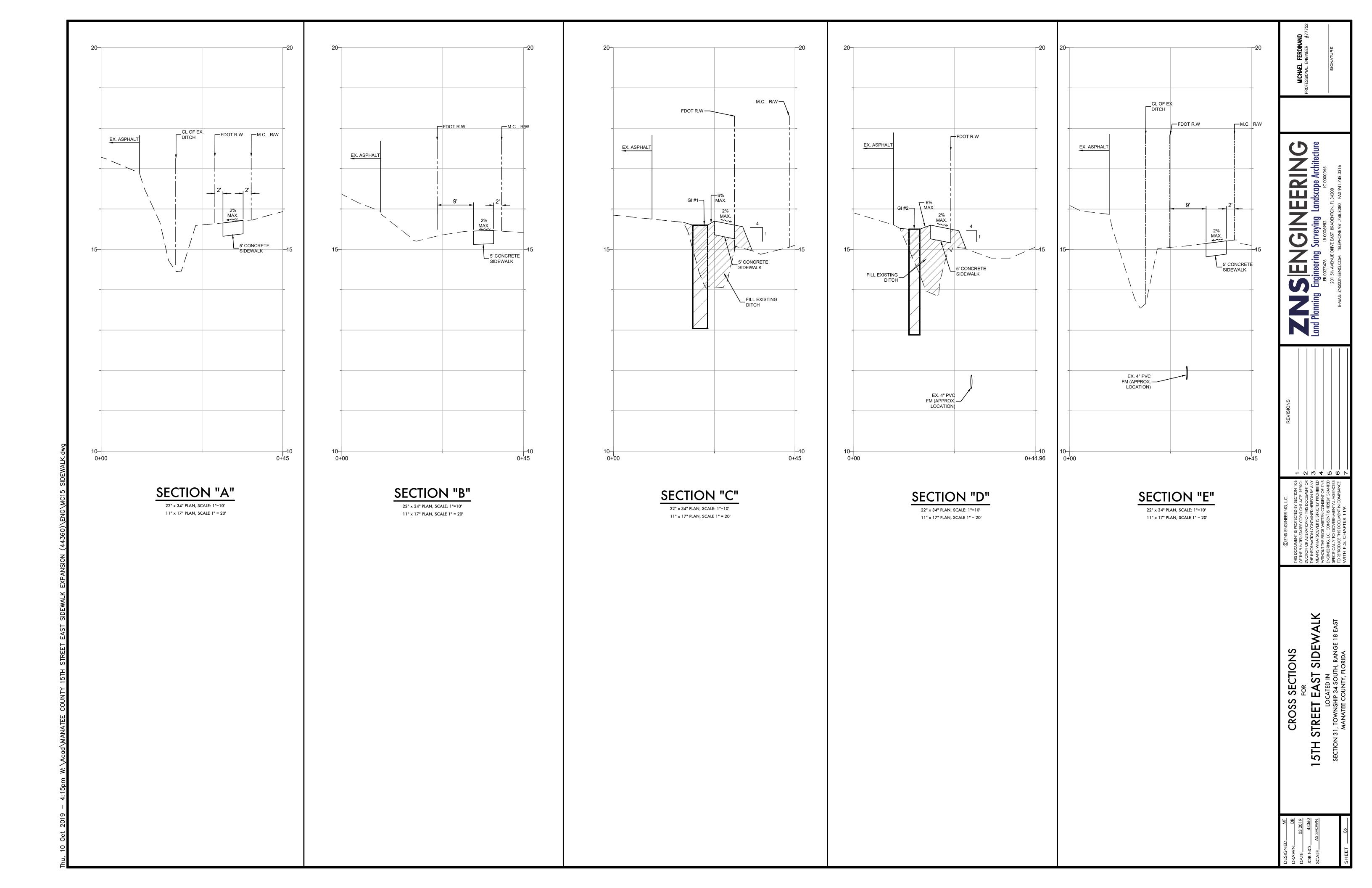
SEDIMENT AND EROSION CONTROL NOTES

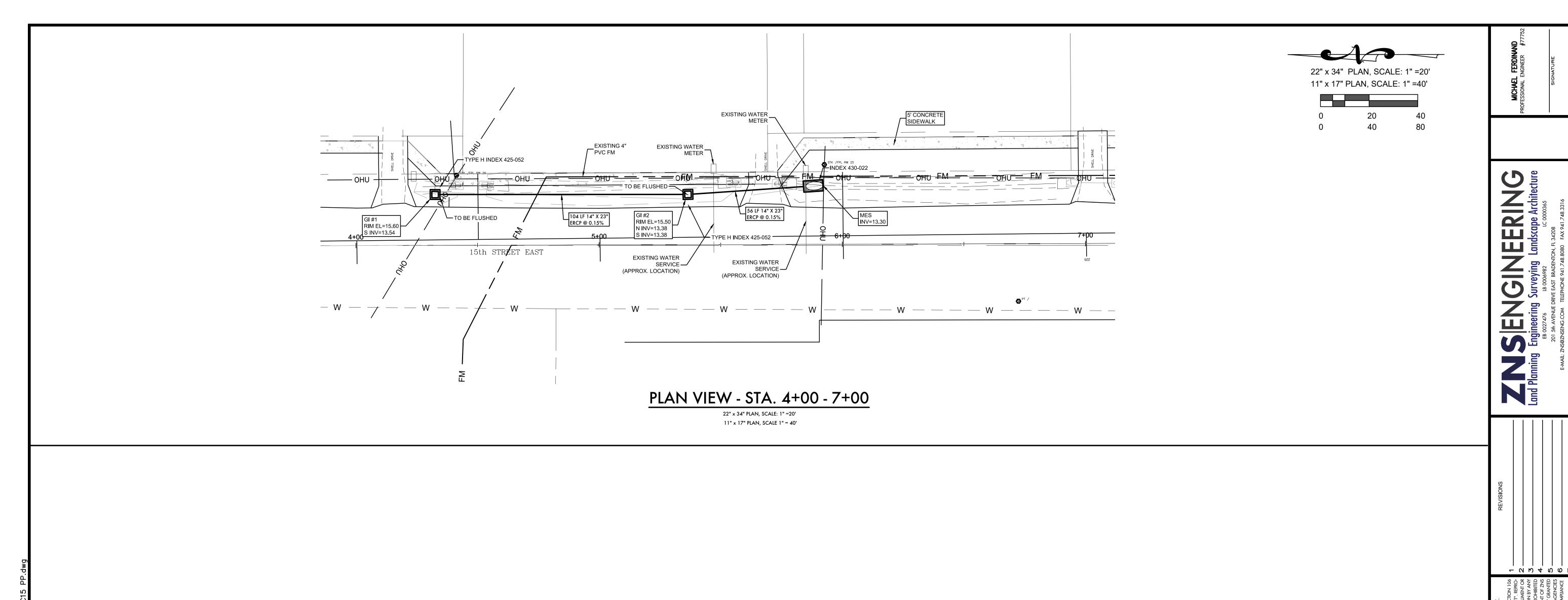
- SEDIMENTATION AND EROSION CONTROL MEASURES WILL BE IN COMPLIANCE WITH SECTION 519, APPENDIX A-19 OF THE MANATEE COUNTY LAND DEVELOPMENT CODE. TO PREVENT SEDIMENTARY RUNOFF DURING CONSTRUCTION, STAKED HAYBALES, STAKED SILT SCREENS OR INLET DEBRIS CONTROL SCREENS ARE TO BE PLACED AT STORM INLETS, OUTFALL LOCATIONS AND ADJACENT PROPERTY LINES AS REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITIES. 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. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING TEMPORARY EROSION CONTROL DEVICES FOLLOWING COMPLETION OF ALL CONSTRUCTION AND FINAL STABILIZATION.
- 2. NOTIFY MANATEE COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT (EMD) WATER QUALITY DIVISION PRIOR TO THE INITIATION OF CONSTRUCTION. A PRE CONSTRUCTION INSPECTION OF THE SEDIMENTATION AND EROSION CONTROL (S&EC) DEVICES MAY BE REQUIRED AND WILL BE THE OPTION OF THE EMD STAFF.
- CONTRACTOR SHALL LOCATE EROSION CONTROL MEASURES (ECM'S) ALONG WETLAND BUFFERS AS IDENTIFIED ON PLAN. EXOTIC NUISANCE SPECIES LOCATED WITHIN WETLAND BUFFER SHALL BE MANUALLY REMOVED WITH CARE TAKEN TO PROTECT EXISTING NATIVE VEGETATION UNLESS OTHERWISE SPECIFICALLY ADDRESSED ON THE APPROVED PLANS. IN THOSE INSTANCES WHERE ADDITIONAL AREAS OF THE WETLAND BUFFER ARE SO HEAVILY VEGETATED WITH EXOTIC NUISANCE SPECIES AS TO MAKE MANUAL REMOVAL UNFEASIBLE, THE CONTRACTOR SHALL PROVIDE PROJECT ENGINEER AND MANATEE COUNTY ENVIRONMENTAL MANAGEMENT DIVISION SHOP DRAWING SHOWING LIMITS OF ADDITIONAL ECHANIZED CLEARING WITHIN BUFFER, PLANS TO RELOCATE ECM'S AND PROPOSED STABILIZATION OF CLEARING WITHIN WETLAND BUFFERS. ALL PROPOSED MODIFICATIONS TO LOCATIONS OF ECM'S, SOIL STABILIZATION, SHOP DRAWINGS AND PROCESSING FOR APPROVAL SHALL BE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.

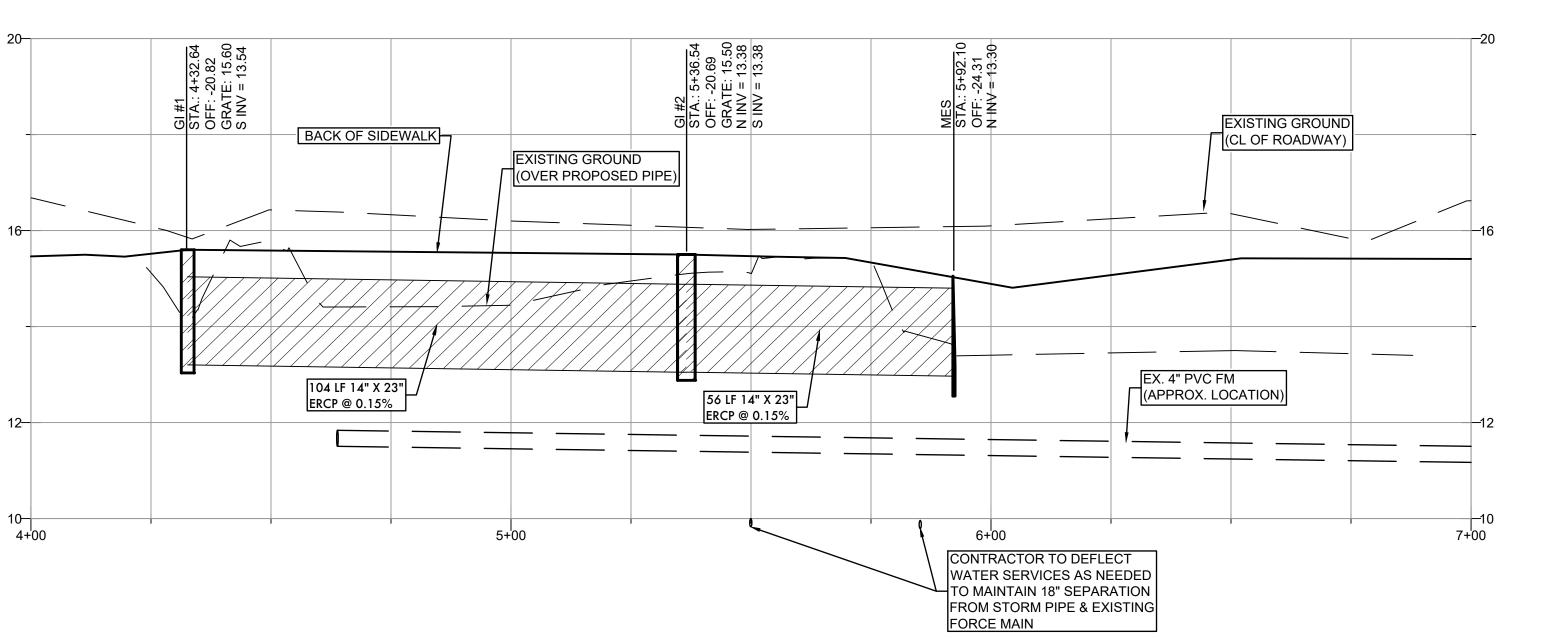






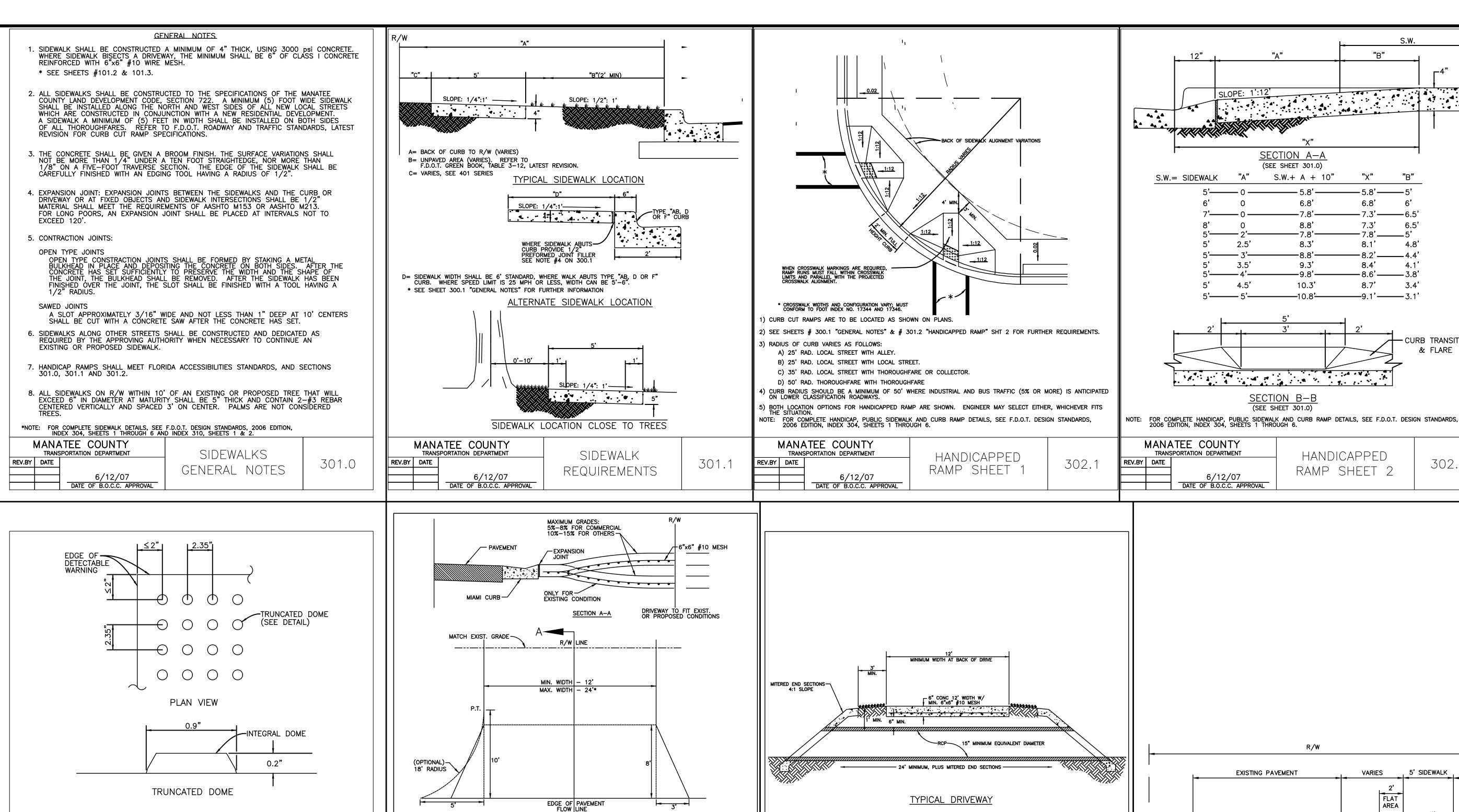






PROFILE VIEW - STA. 4+00 - 7+00

22" x 34" PLAN, SCALE: 1"=20' 11" x 17" PLAN, SCALE 1" = 40' PLAN AND PROFILE
FOR
15TH STREET EAST SIDEWALK
LOCATED IN



* For driveways that can demonstrate the need for additional width,

b.) 30% of the front footage as defined on the survey (or field

SPECIFICATIONS SECTION 430. SEE NOTE 4, PAGE 100.1. SEE SECTION 200- DRAINAGE (STD. 200.0, 202.5).

(F) LATERAL ALIGNMENT 45 DEGREES FOR DOUBLE DRIVE PER LOT, 90 DEGREES FOR SINGLE DRIVE, OFF CENTER LINE.

the width may not be greater than the LESSER of:

(A) CONSTRUCT WITH 6" REINFORCED CONCRETE 3000 PSI @ 28 DAYS, 6"x6" #10 WIRE MESH

(B) DRIVEWAYS ADJACENT TO A PAVED ROADWAY MUST HAVE THE APRON CONSTRUCTED IN COMPLIANCE

(C) MAINTAIN EXISTING DRAINAGE FLOWLINE. FOR PIPING SPECIFICATIONS REFER TO F.D.O.T. STANDARD

(D) 3'x8' FLARE OR 18' RADIUS WITH CURB TRANSITION (TRANSITION FROM TYPE "F" CURB TO MIAMI CURB) SEE STD. 102.2 NO CHANGE WITH 3' VALLEY CROSSINGS — SEE STDS. 201.0, 201.1, 201.2, 201.4, 201.5, 201.6.

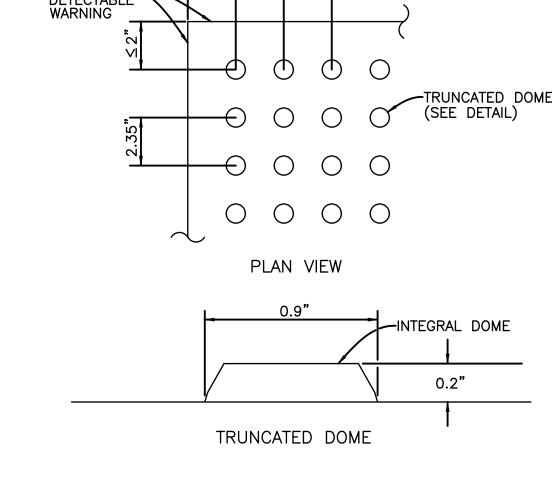
(E) EXPANSION JOINT 0.50" PREFORMED JOINT FILLER OR APPROVED ALTERNATE, DRIVES WIDER THAN 12' (BEYOND FLARE) PLACE JOINT ON 10' CENTER.

a.) 30' total at the R/W line

measurement, 36' max.)

FROM BACK OF CURB- TO R/W LINE.

WITH THE NOTE (A) ON PREVIOUS PAGE (STD. 101.0)



CURB RAMP DETECTABLE WARNING DETAIL

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

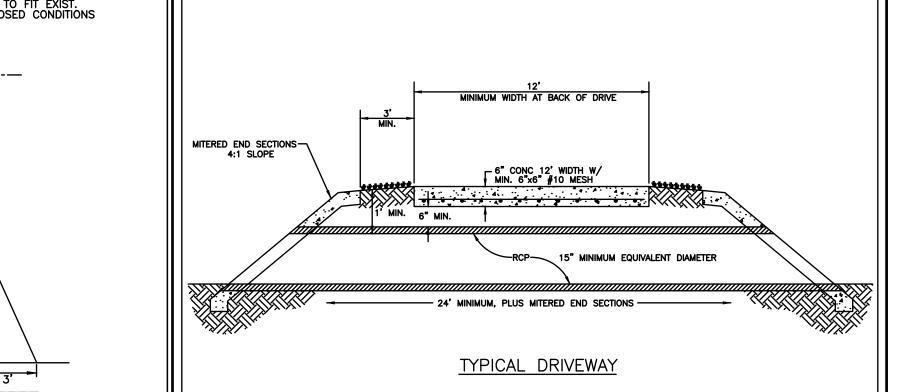
THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.

THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70%. CONTRAST IN PERCENT IS DETERMINED BY: $CONTRAST = [(B1-B2)/B1] \times 100$

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.

					NOTE: DRIVE	WAY TO TIE INTO PAVEMENT. CURB DOE	ES NOT EXIST ALONG ROADWAY.	
l		ATEE COUNTY SPORTATION DEPARTMENT	CURB RAMP			NATEE COUNTY		
REV.BY	DATE		DETECTABLE	302.3	REV.BY DATI		URBAN DRIVES	10
					KEV.DI DAI	<u> </u>	ONDAN DIVIVES	
		6/12/07	WARNINGS			6/12/07		
		DATE OF B.O.C.C. APPROVAL			\vdash	DATE OF B.O.C.C. APPROVAL		
	•					DATE OF B.O.C.C. APPROVAL		



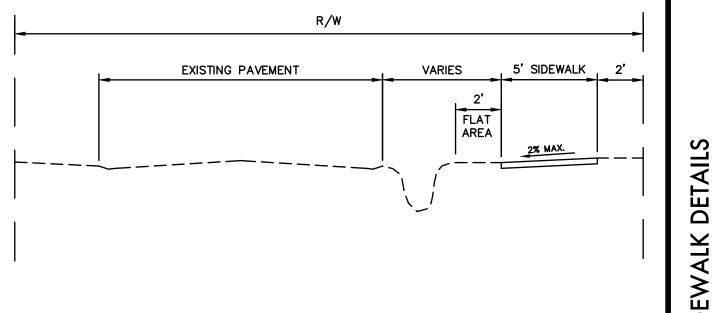
VARIABLES: C.M.P. WILL NOT BE ALLOWED WITHIN THE RIGHT-OF-WAY. R.C.P. WILL REQUIRE A MINIMUM 6" OF COVER BENEATH BOTTOM OF DRIVEWAY, FOR A TOTAL OF 1' OF COVER. HDPE PIPE IS ACCEPTABLE IN LIEU OF RCP.

NOTE: 1) GRADES AND LOCATIONS MUST BE REVIEWED AND APPROVED BY THE DRIVEWAY INSPECTOR FOR ALL PIPE INSTALLATIONS

2) ACTUAL REQUIRED PIPE DIAMETER WILL BE BASED ON THE FLOW RATE REQUIRED TO PASS THROUGH PIPE SO AS NOT TO IMPOUND WATER UPSTREAM.

3) PIPE SIZE TO BE DETERMINED AND APPROVED BY MANATEE COUNTY.

	ATEE COUNTY ISPORTATION DEPARTMENT	TYPICAL DRIVEWAY	
REV.BY DATE		PIPE CROSS SECTION	102.0
	6/12/07 DATE OF B.O.C.C. APPROVAL	THE CROSS SECTION	



6.5

4.8

4.1

3.4'

CURB TRANSITION

& FLARE

302.2

BID QUANTITIES INCLUDE 6" CONCRETE AREA TO REPLACE ALL DRIVEWAYS WITHIN THE RIGHT-OF-WAY OVER THE LENGTH OF THE PROJECT. HOWEVER, ONLY THOSE DRIVEWAYS DIRECTED BY COUNTY REPRESENTATIVE DURING CONSTRUCTION SHALL BE REPLACED.

TYPICAL SECTION

SID

ST

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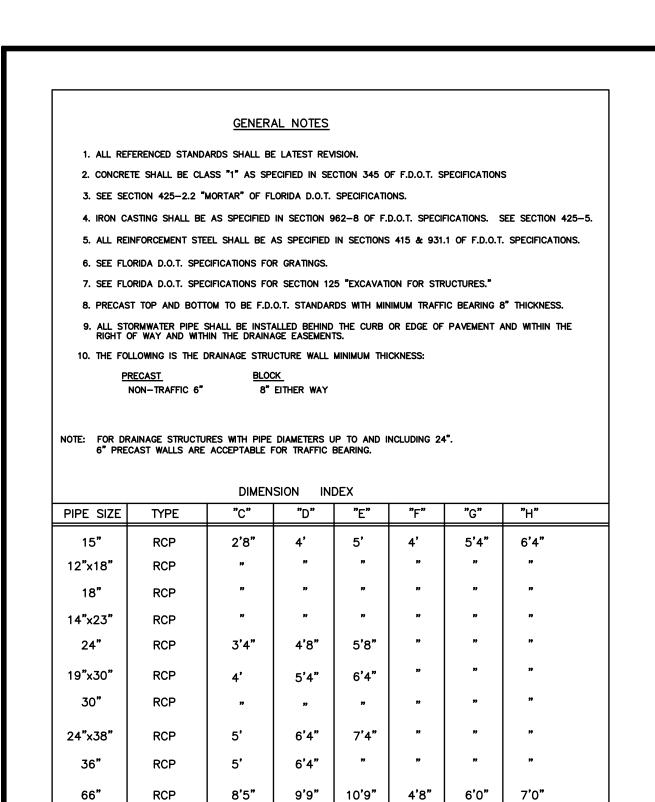
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DRAINAGE

CONTROL SHEET

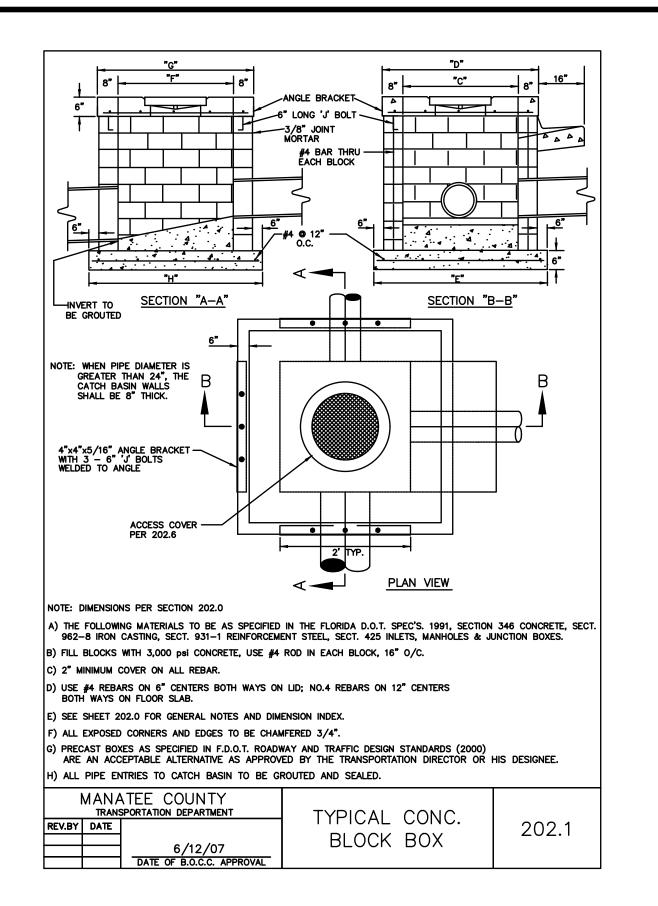
202.0

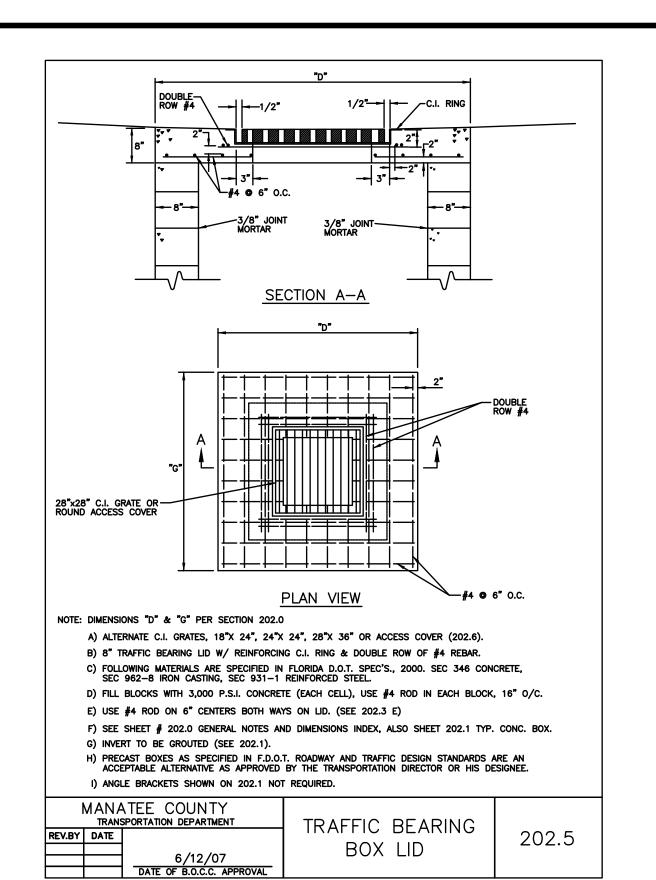
MANATEE COUNTY

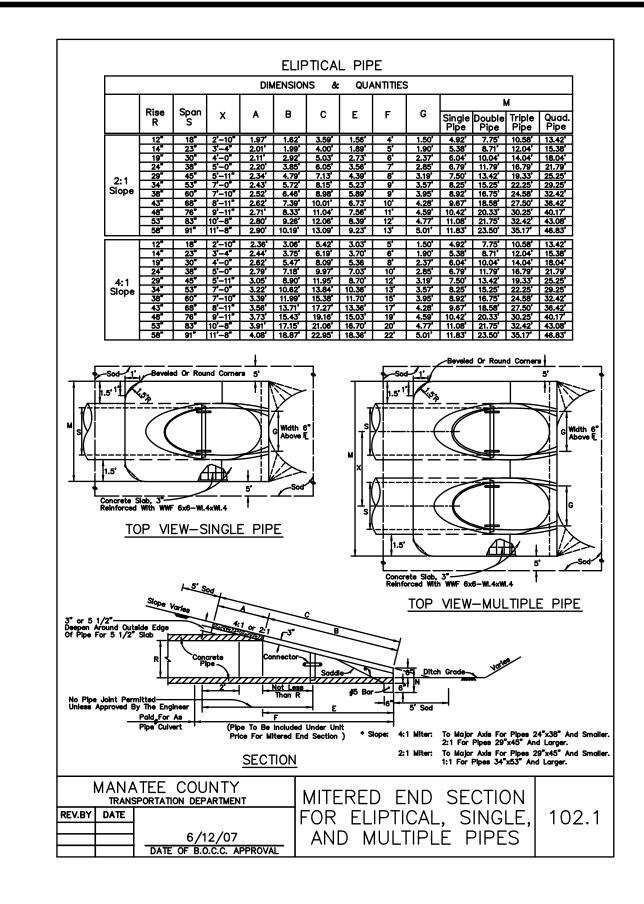
REV.BY DATE

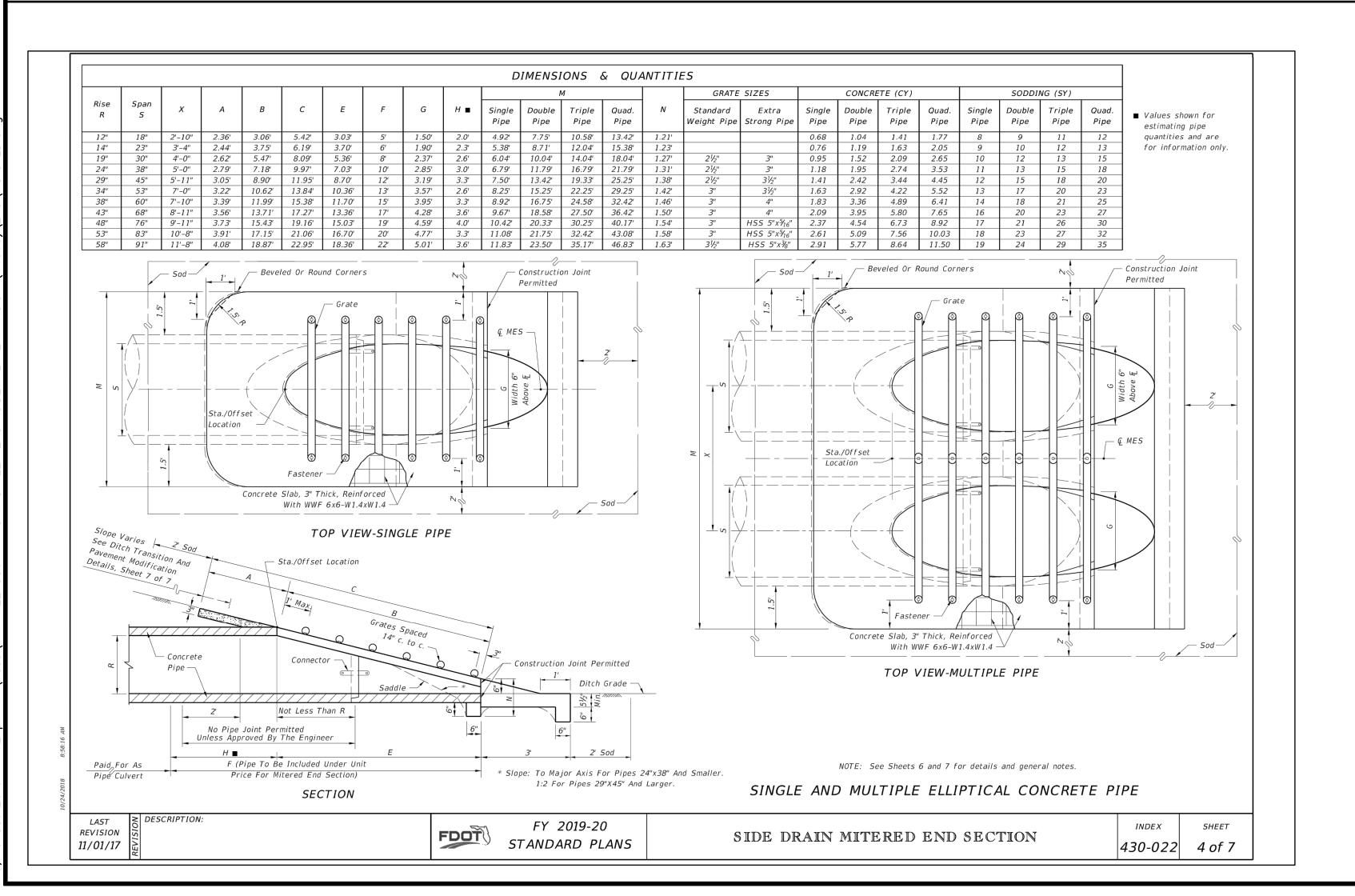
TRANSPORTATION DEPARTMENT

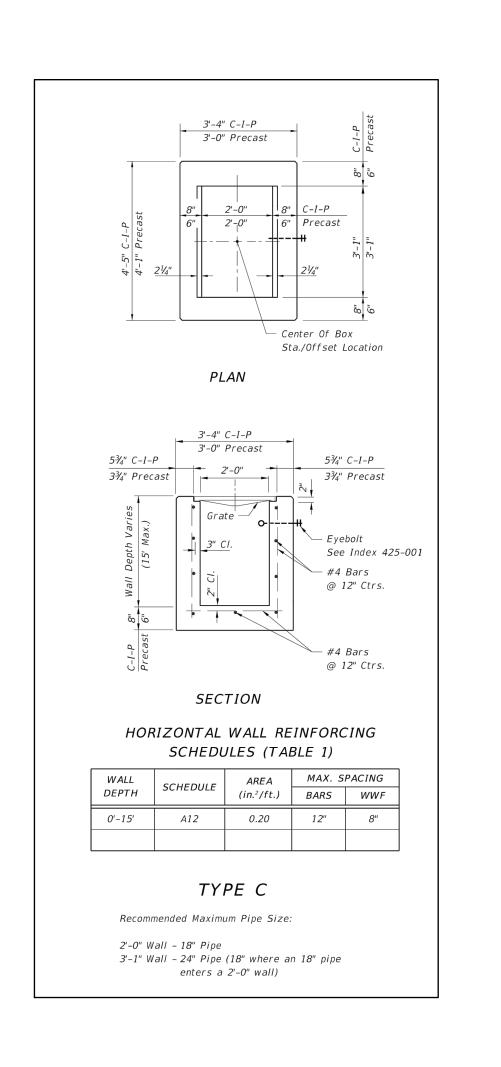
DATE OF B.O.C.C. APPROVAL











- 0 M 4 M 0

SIDEW **DETAILS** ENGINEERING STREET **5TH**

— FDEP NPDES Stormwater Identification Number: FFLR10 _____

Location	Rain data	Type of control (see below)	Date installed /modified	Current Condition (see below)	Corrective Action/ Other Remarks

Condition Code:

G = Good M = Marginal, needs maintenance or replacement soon P = Poor, needs immediate maintenance or replacement C = Needs to be cleaned O = Other

Control Type Codes

Control Type Codes			
1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system	28. Tree protection
2. Earth dikes	11. Vegetative buffer strip	20. Gabion	29. Detention pond
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin	30. Retention pond
4. Swale	13. Retention Pond	22. Temporary seed / sod	31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction entrance stabilization	23. Permanent seed / sod	32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile	
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

Inspector Information:

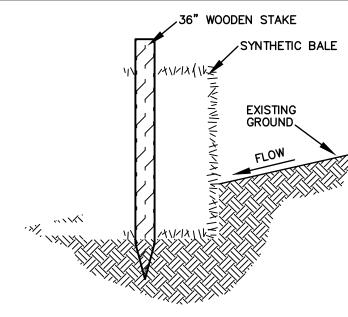
The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

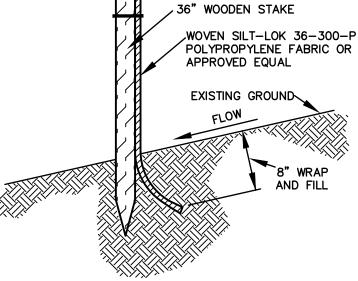
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name (Responsible Authority)

STORMWATER POLLUTION PREVENTION PLAN

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE "STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT FORM", WHICH WILL BE KEPT ON SITE BY THE CONTRACTOR. INSPECTIONS MUST OCCUR AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT IS 0.50 INCHES OR GREATER.





STAKED SILT BARRIER DETAIL SYNTHETIC BALE DETAIL

EROSION CONTROL NOTES:

1. TO PREVENT SEDIMENTARY RUNOFF DURING CONSTRUCTION, STAKED SYNTHETIC 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

SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED AND THEN VERIFIED/INSPECTED BY MANATEE COUNTY ENVIRONMENT PLANNING (742-5980) 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. 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

2. CONTRACTOR TO KEEP CONSTRUCTION ACTIVITIES AND EQUIPMENT TO A MINIMUM AT OUTFALL LOCATIONS WHICH DISCHARGE TO EXISTING JURISDICTIONAL AREAS. FLOATING OR STAKED TURBIDITY BARRIERS MAY BE USED IN LIEU OF STAKED HAYBALES/SILT SCREENS WHERE WARRANTED.

- 3. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN-PLACE UNTIL THE SITE HAS BEEN STABILIZED AND REVEGETATED.
- 4. CONSTRUCTION METHOD AND MATERIALS TO BE IN ACCORDANCE WITH SECTION 104-6 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION SPECIFICATIONS.
- a) HAY BALES MUST BE BUTTED CLOSE TOGETHER AND HAVE NO GAPS TO ALLOW FLOW TO PASS THROUGH WITHOUT BEING FILTERED.
- b) JOINTS OF THE FILTER FABRIC MUST BE OVERLAPPED AND PROPERLY CONNECTED TO PREVENT ANY OPENING FROM OCCURRING.
- 5. SILT SCREENS MAY ALSO REPRESENT CONSTRUCTION LIMITS BARRIERS. THEY SHALL BE ERECTED PRIOR TO INITIATION OF SITE CLEARING OPERATIONS NEAR WETLANDS, BUFFER AREAS AND ANY OTHER AREAS SHOWN AS PRESERVED OR PROTECTED FROM CONSTRUCTION ACTIVITIES. FAILURE TO INSTALL AND MAINTAIN BARRIERS/SILT SCREENS SHALL BE CAUSE FOR PUNITIVE FINANCIAL PENALTIES. FINANCIAL PENALTIES (PUNITIVE AND REGULATORY), CONSULTING FEES AND ESTIMATED COST OF RESTORATION WILL BE DEDUCTED FROM SUBSEQUENT PAYMENT REQUESTS.
- WHERE SILT FENCE IS REQUIRED TO BE INSTALLED WITHIN DRIP LINES OF TREES TO BE PRESERVED, CONTRACTOR SHALL NOT TRENCH SILT FENCE IN, INSTEAD EITHER INSTALL SILT FENCE ON GRADE OR USE SYNTHETIC BALES WITHIN DRIP LINES.

NOTES

PRIOR TO COMMENCEMENT OF CONSTRUCTION OR

SEDIMENT CONTROL PLAN (ESCP) HAS BEEN

CONSTRUCTION OR LAND CLEARING IS NOT

LAND CLEARING, CONTRACTOR TO CONFIRM WITH

THE ENGINEER OF RECORD THAT AN EROSION AND

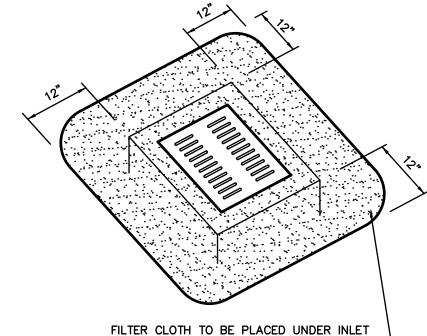
SUBMITTED TO THE EMD FOR REVIEW AND APPROVAL.

AUTHORIZED UNTIL AN ESCP HAS BEEN APPROVED BY

THE EMD AND ALL REQUIRED MEETINGS HAVE BEEN

. CONTRACTOR TO INSTALL INLET PROTECTION/CONTROL

SCREEN ON ALL PROPOSED GRATE/CURB INLETS ONCE



GRATE DURING SITE WORK CONSTRUCTION ---

NOTE: HAY BALES SURROUNDING ENTIRE PERIMETER OF INLET MAY BE SUBSTITUTED FOR FILTER CLOTH

INLET DEBRIS CONTROL SCREEN

N.T.S.

- 0 W 4 W 0

SIDEWALK **PRACTICE** MENT S ANGE

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2

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BE

LDC SECTION 519, APPENDIX A-19

All applications for ESCP submitted pursuant to section 519 of the LDC shall include a plan which

- Details of construction sequencing, dewatering activities and sump locations, stockpile areas and/or deposition areas for excavated material.
- a. Description of land clearing/disturbing activities, existing site conditions and adjacent land uses/areas that might be affected by land dearing/disturbances. **CLEARING AND GRUBBING OF EXISTING VEGETATION. EXISTING** STRUCTURES TO BE DEMOED AND HAULED OFFSITE.
- b. Identification of stockpile areas and/or deposition areas for excavated materials. NONE ANTICIPATED.
- c. Description of potential on-site problem areas such as steep garde changes, highly erodible soils, areas adjacent to wetlands, surface waters, or upland preservation areas. NONE ANTICIPATED
- d. Construction scheduling, including the expected starting and stabilization dates. CONSTRUCTION SCHEDULE IS PROVIDED ON SHEET 1 OF THE CONSTRUCTION PLANS.
- e. Identification of disturbed areas where construction will not be ongoing and final grade will not be achieved within fourteen (14) days, and indication of temporary stabilization FINAL GRADE WILL BE ACHIEVED WITHIN FOURTEEN (14) DAYS, AND TEMPORARY STABILIZATION WILL BE IMPLEMENTED IF THIS CAN NOT BE
- 2. Details of Best Management Practices and Fugitive Particulate Abatement Methods.
- a. Details, drawings and cross-sections of erosion and sediment control devices, if different from the approved Final Site Plan/Construction Plans, and when they will be installed TO BE DETERMINED
- b. Maintenance program for erosion and sediment control devised including inspection frequency and maintenance activities SEE EROSION CONTROL NOTE #1 ON SHEET 4 OF THE CONSTRUCTION
- c. Haul routes and details of apron stabilization at ingress/egress points to right-of-way. NONE ANTICIPATED.
- d. Details/location of equipment washing area.
- NONE ANTICIPATED.
- e. Details of fugitive particulate abatement methods. A WATER TRUCK WILL BE AVAILABLE DURING DRY PERIODS
- f. Contractor information, including a twenty-four hour, seven-day contact and phone numbers.
- CONTRACTOR HAS NOT BEEN HIRED AT THIS TIME.
- g. Details of dewatering activities and locations, drawings and cross-secions of dewatering NONE ANTICIPATED.
- h. Water Quality Monitoring Plan and monitoring stations (if applicable). NO WATER QUALITY MONITORING IS REQUIRED.

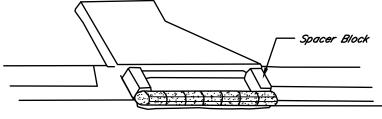
CLEARING AND GRUBBING NOTES

EROSION CONTROL PREVENTIVE METHODS, SILT SCREENING AND/OR HAY BALES, TO BE IN PLACE PRIOR TO COMMENCEMENT OF EARTHWORK CONSTRUCTION TO MINIMIZE EROSION AND SEDIMENTARY RUNOFF. THE CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR ANY POTENTIAL EROSION PROBLEMS. IF ANY POTENTIAL EROSION PROBLEMS ARE ENCOUNTERED. OR HAVE OCCURRED. ' CONTRACTOR SHALL INSTALL PROPER EROSION CONTROL MEASURES IMMEDIATELY. STORMWATER TREATMENT FACILITIES ARE TO BE CONSTRUCTED EARLY IN SITE DEVELOPMENT, WITH NO UNTREATED RUNOFF OFF-SITE OCCURRING DURING

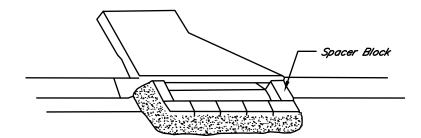
LOCATION OF PROPOSED SEDIMENT AND EROSION CONTROL DEVICES SHALL BE STAKED OUT & LOCATIONS SHALL BE INSPECTED / APPROVED BY MANATEE COUNTY PRIOR TO INSTALLATION, INSTALLATION OF SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED / APPROVED BY MANATEE COUNTY ENVIRONMENTAL PLANNING DEPT. (941-742-5980) PRIOR TO COMMENCEMENT OF CONSTRUCTION.

- 2. ALL EXISTING TREES AND BRUSH DESIGNATED FOR REMOVAL ARE TO BE CLEARED AND DISPOSED OF OFFSITE, OR BURNED ON-SITE IF APPROVED BY THE DISTRICT FIRE DEPARTMENT AND COUNTY HEALTH DEPT. ALL EXISTING TREES AND UNDERBRUSH AREAS THAT ARE TO REMAIN UNDISTURBED SHALL BE PROTECTED BY BARRICADES AS SPECIFIED BY THE MANATEE BOARD OF COUNTY COMMISSIONERS IN M.C. ZONING ORDINANCE No. PDC-12-12(Z)(P), STIPULATION SECTION E PARA. 4. SEE TREE REMOVAL/PLANTING PLAN FOR DETAILS. THE CONTRACTOR SHALL INSTALL SAID BARRICADES AT COMMENCEMENT OF CONSTRUCTION AND REMOVE FOLLOWING FINAL GRADING AND LANDSCAPING.
- SODDING AND/OR GRASSING TO BE COMPLETED IMMEDIATELY UPON COMPLETION OF FINISH GRADING. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DUST CONTROL.
- TOPOGRAPHIC AND PROPERTY SURVEYS GIVING LOT SIZE, GROUND ELEVATIONS, OBSTRUCTIONS ON SITE, LOCATION 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 AND ACCOMMODATION TO THE CONTRACTOR. USE OF THIS DATA SHALL BE MADE AT THE CONTRACTOR'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE GRANTED DUE TO CONTRACTOR'S LACK OF KNOWLEDGE OF SITE CONDITIONS. PRIOR TO BID SUBMISSION, CONDUCT ANY ADDITIONAL SURVEYS AND SOIL TESTS YOU MAY DEEM NECESSARY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED.
- 5. PROPOSED ROADWAY RIGHT-OF-WAY AREAS TO BE CLEARED OF ALL TREES AND BRUSH, AND STRIPPED TO A MINIMUM DEPTH OF 8" AND/OR BOTTOM OF ORGANIC
- 6. LOT AREA TO BE DISKED IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS.
- 7. REFER TO DRAINAGE & GRADING PLAN FOR ADDITIONAL NOTES REGARDING WETLAND MITIGATION.
- 8. EXISTING WATER SERVICES ENCOUNTERED TO BE REMOVED BACK TO MAIN AND CAPPED OFF. 9. EXOTIC, NUISANCE VEGETATION SHALL BE REMOVED FROM THE WETLAND BUFFERS
- 10. ALL SLOPES 3:1 OR GREATER WILL HAVE STAKED SOD PLACED FOR EROSION

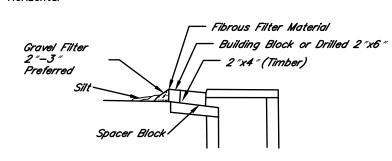
AND ALL OTHER UPLAND PORTIONS OF THE SITE.



Roll of 12 ½ Gauge Welded Fence, 2" x2" Mesh, 8"-10" Diameter Filled With 3" Stone.



Building Block Laid 6" From Throat Web



Fibrous Filter Material in Front of Block Prevents Gravel From Washing into Structure. 2"x4" Behind Blocks And Across Throat Helps Keep Block in Place. Place in Outer Hole of Spacer Block.

TEMPORARY SEDIMENT TRAP AT CURB INLET

GENERAL NOTES:

- 1. Special Conditions may be required in accordance with these notes and the following sheets:
- A. Railroad Crossings:
- a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 3.
- b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.
- B. If the Work Area encroaches on the Centerline, use the Layout for Temporary Lane Shift to Shoulder on Sheet 3 only if the Existing Paved Shoulder width is sufficient to provide for an 11' lane between the Work Area and the Edge of Existing Paved Shoulder. Reduce the posted speed when appropriate.
- 2. Temporary Raised Rumble Strips:
- A. Use when both of the following conditions are met concurrently: a. Existing Posted Speed is 55 mph or greater;
- b. Work duration is greater than 60 minutes. B. Use a consistent Strip color throughout the work zone.
- C. Place each Rumble Strip Set transversely across the lane at locations shown.
- D. Use Option 1 or Option 2 as shown on Sheet 2. Use only one option throughout work zone.
- 3. Additional one-way control may be provided by the following means: A. Flag-carrying vehicle; B. Official vehicle;
- C. Pilot vehicles;
- D. Traffic signals.

When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.

- 4. When a side road intersects the highway within the TTC zone, place additional TTC devices in accordance with other applicable TCZ Indexes.
- 5. The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
- 6. When Buffer Space cannot be attained due to geometric constraints, use the greatest attainable length, not less than 200 ft, for posted speeds greater than 25 mph.
- 7. ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:
- A. Work operations are 60 minutes or less.
- B. Speed limit is 45 mph or less.
- C. There are no sight obstructions to vehicles approaching the work area for a distance equal to the Buffer Space shown in Table 1.
- D. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
- E. Volume and complexity of the roadway has been considered.
- F. If a railroad crossing is present, vehicles will not queue across rail tracks.
- G. AFADs are not in use.
- 8. See Index 102-600 for general TCZ requirements and additional information.
- 9. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specifications Section 102, 990 and the APL vendor drawings.

			TA	BLE 1					
		DEVIC	E SPACIN	G					
Posted Speed	of Co	n Spacing nes or Markers	Maximum Type I o Barricades/	Distance Between Signs				Buffer Space	
	On a Taper	On a Tangent	On a Taper	On a Tangent	A	В	С	D	
25	20'	50 '	20'	50 '	200'	200'	200'	1 00 '	155'
30	20'	50 '	201	50'	200'	200'	200'	1 00 '	200'
35	20'	50 '	20'	50'	200'	200'	200'	1 00 '	250'
40	20'	50'	20 '	50'	200'	200'	200'	1 00 '	<i>305</i> ′
4 5	20'	50'	20'	50'	<i>350</i> ′	350 [']	350 [']	17 5 ′	360'
50	20'	50'	20'	100'	500'	500'	500'	250 [']	425'
55	20'	50'	20'	100'	2640'	1 500 ′	1 000 '	500'	495'
60	20'	50'	20'	100'	2640'	1 500 ′	1 000 '	500'	<i>570</i> ′
65	20'	<i>50</i> '	20'	100'	2640'	1 500 ′	1 000 '	500'	645'
70	20'	<i>50</i> '	20'	100'	2640'	15 00 ′	1 000 '	500'	7 30 '

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA BETWEEN THE CENTERLINE AND A LINE 2' OUTSIDE THE EDGE OF TRAVEL WAY.

LAST
REVISION
11/01/17

|≥| DESCRIPTION:

FY 2019-20 FDOI STANDARD PLANS

TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY

INDEX 102-603

SHEET 1 of 3

MAINTINENCE (STREET 5TH

TRAFFIC PLAN

Q

SIDEWALK
TH, RANGE 18 EAST

ST

- 0 W 4 W 0