



Environmental Assessment

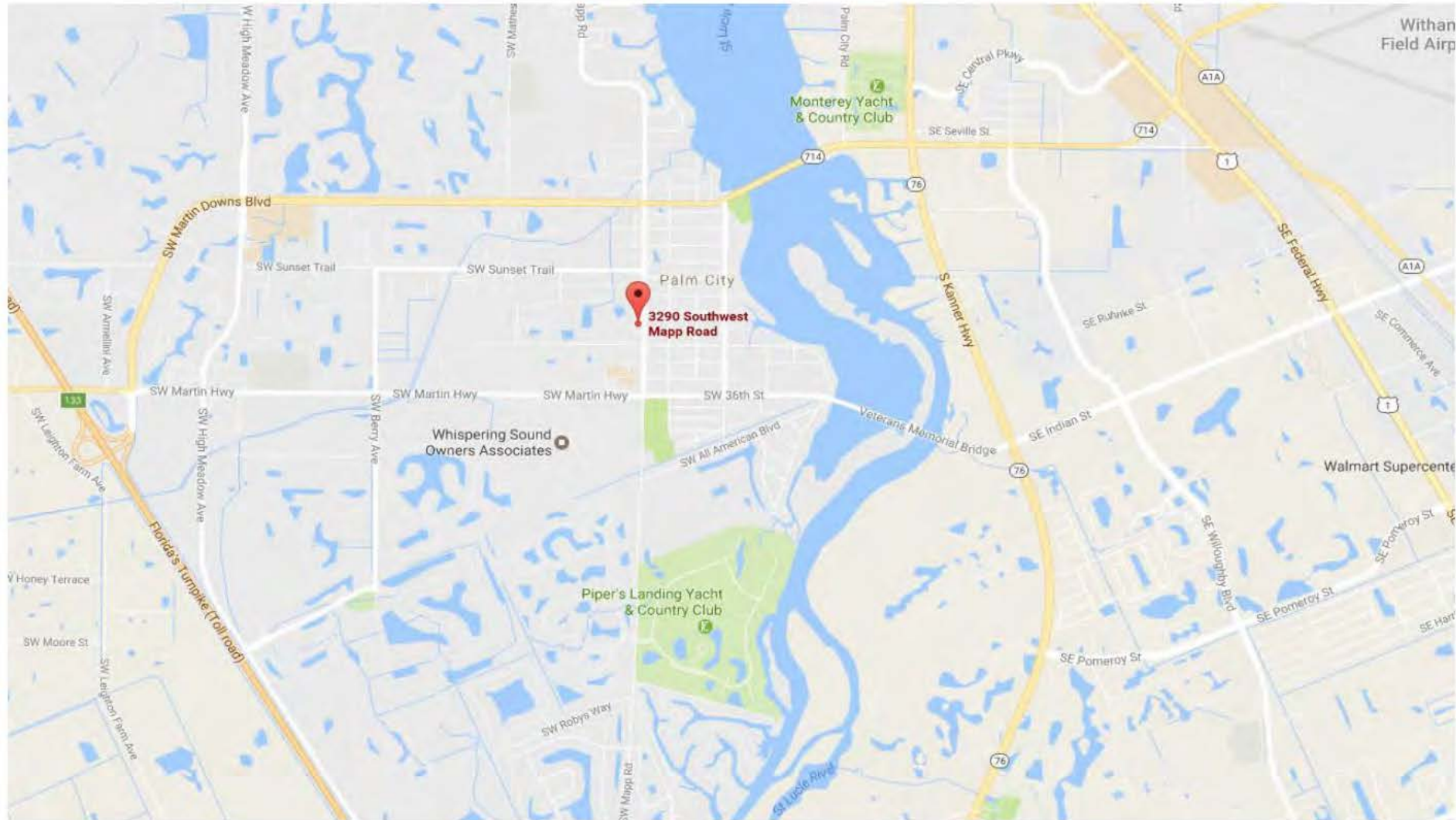
Mapp Road Town Center
Palm City, Martin County, FL

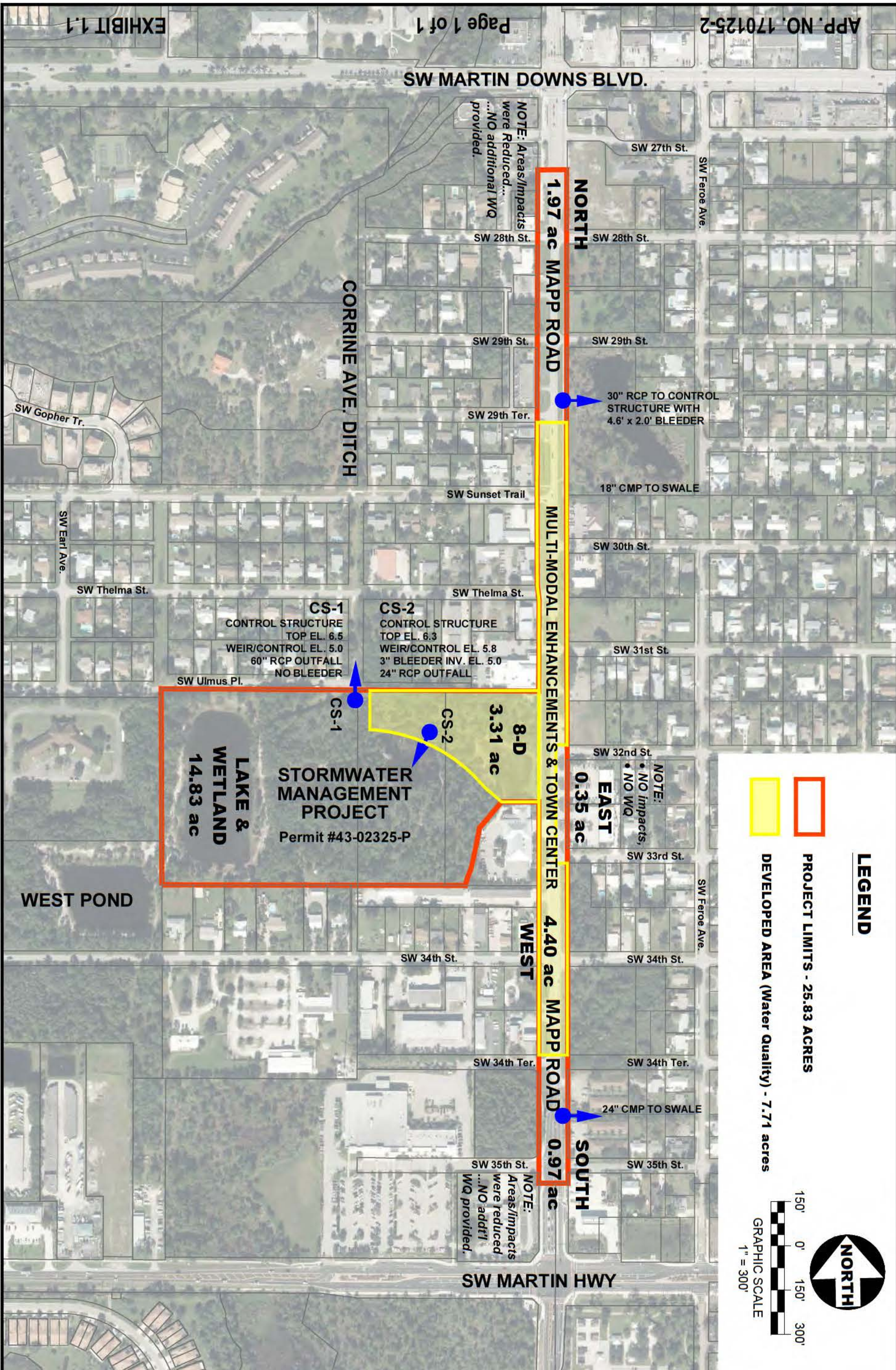
Property Location

Project:

3290 SW Mapp Road

3/9/2017





LEGEND

- PROJECT LIMITS - 25.83 ACRES
- DEVELOPED AREA (Water Quality) - 7.71 acres

NOTE:
 • NO impacts,
 • NO WQ

GRAPHIC SCALE
 1" = 300'

NORTH

NOTE: Areas/Impacts were Reduced...
 ...NO additional WQ provided.

NOTE:
 • NO impacts,
 • NO WQ

NOTE:
 Areas/Impacts were reduced...
 ...NO addtl WQ provided.

CS-1
 CONTROL STRUCTURE
 TOP EL. 6.5
 WEIR/CONTROL EL. 5.0
 60" RCP OUTFALL
 NO BLEEDER

CS-2
 CONTROL STRUCTURE
 TOP EL. 6.3
 WEIR/CONTROL EL. 5.8
 3" BLEEDER INV. EL. 5.0
 24" RCP OUTFALL

Martin County Board of County Commissioners

Mapp Road Town Center Improvement Project
 Developed Area - Water Quality Map

PALM CITY

FLORIDA

LaCONTE ENGINEERING
 CIVIL ENGINEERING DESIGN & CONSULTING
 3933 SE Fairway East, Stuart, Florida 34997 (772) 215-0354

Figure 4

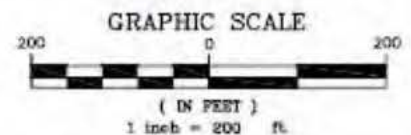
SCALE	DATE
AS NOTED	3/15/17
DRAWN BY	DESIGN BY
P.L.	P.L.

DRIVING
 Mapp Rd Base.Cmg



Note

For assessment purposes only. This is not a survey. Wetland delineation has not been verified by a state or federal agency. The points represent GPS waypoints as flagged by Crossroads Environmental.



Environmental Assessment

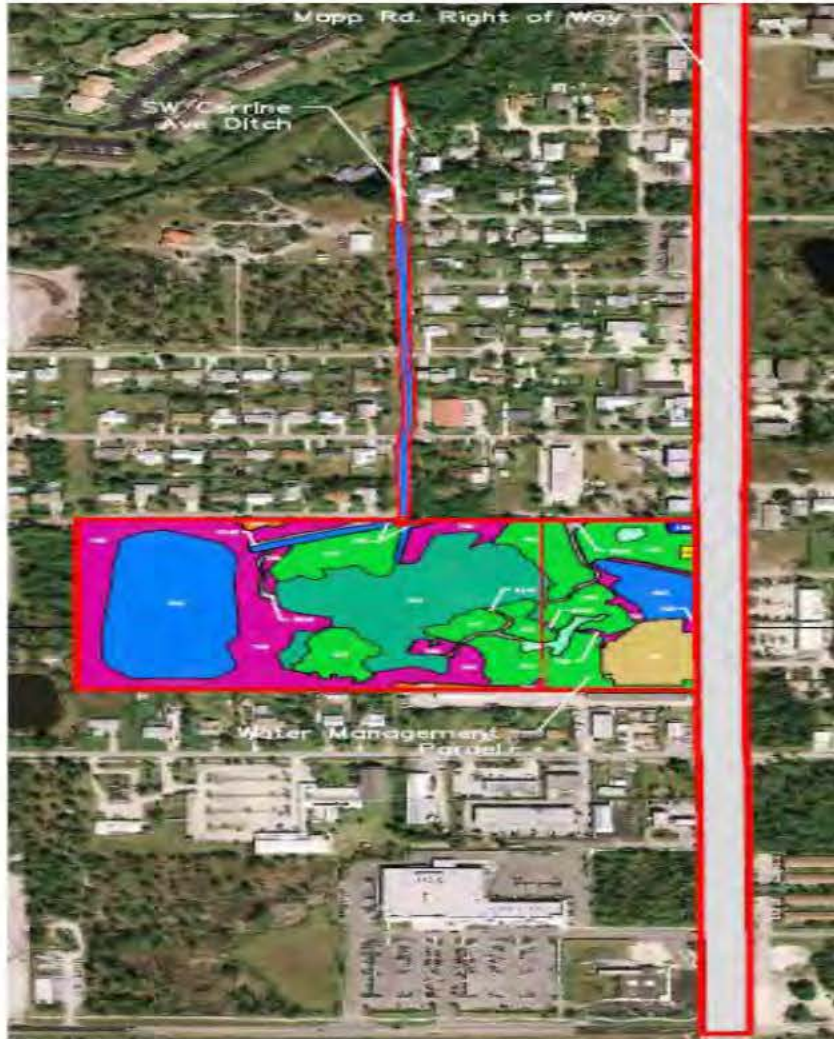
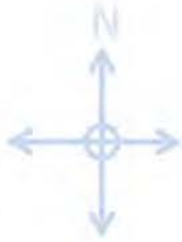
Mapp Road Town Center
Palm City, Martin County, FL

FLUCCS Map (Part I)

Project:

3290 SW Mapp Road

3/9/2017



F.L.U.C.C.S. Legend- Water Management Parcel

100 Urban Built-up

- 170 Institutional — ± 0.98 Ac.
- 188 Historical — ± 0.07 Ac.
- 400 Upland Forests
- 411 Pine Flatwoods — ± 5.09 Ac.
- 422 Brazilian Pepper — ± 0.75 Ac.

500 Water

- 530 Reservoirs — ± 4.22 Ac.

600 Wetlands

- 619 Exotic Wetland Hardwoods — ± 0.03 Ac.
- 641 Freshwater Marshes — ± 3.58 Ac.
- 643 Wet Prairies — ± 0.24 Ac.

700 Barren Land

- 740 Disturbed Lands — ± 4.14 Ac.

800 Roads

- 8146 Primitive Trails — ± 0.34 Ac.

Total Acreage = 19.46 ± Ac.

F.L.U.C.C.S. Legend-Map Rd. Right of Way and SW Corrine Ave. Ditch

500 Water

- 510 Steams and Waterways
- 530 Reservoirs

800 Roads

- 814 Roads and Highways



Environmental Assessment

Mapp Road Town Center
Palm City, Martin County, FL

FLUCCS Map (Part II)

Project:

3290 SW Mapp Road

3/9/2017

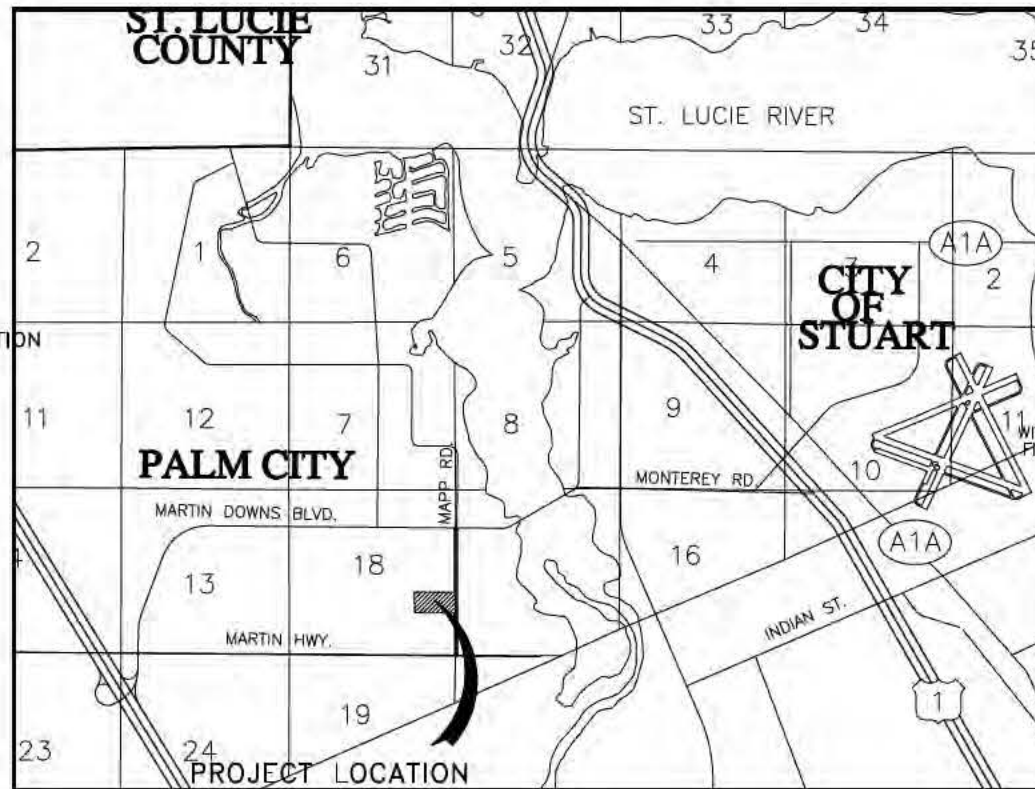


CONSTRUCTION PLANS AND SPECIFICATIONS FOR

MCBOCC

MAPP ROAD TOWN CENTER - STORMWATER MANAGEMENT PROJECT

SECTION 18, TOWNSHIP 38S, RANGE 41E
MARTIN COUNTY, FLORIDA

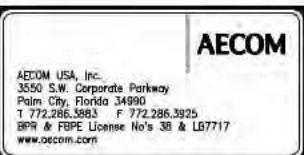


Sheet List Table	
Sheet Number	Sheet Title
G-1	Cover Sheet
G-2	Key Sheet And General Notes
G-3	Land Clearing and Erosion Control Plan
EX-1	Existing Conditions Plan
P-1	Paving Grading & Drainage Plan
D-1	Details
D-2	Details
X-1	Typical Sections
X-2	Typical Sections
W-1	Wetland Planting
W-2	Littoral Planting
SP-1	Specifications



BOARD OF COUNTY COMMISSIONERS
 DOUG SMITH DISTRICT 1
 SUSAN L. VALLIERE DISTRICT 2
 PATRICK HAYES DISTRICT 3
 SARAH HEARD DISTRICT 4
 ED CIAMPI DISTRICT 5

100% SUBMITTAL



VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DESIGNED BY AEE	PROJECT ENGINEER AMY E EASON, P.E.
	DRAWN BY RCF	REG NUMBER 59936
	CHECKED BY TFM	EXP DATE FEB. 28, 2011
	DATE 11/3/2008	PROJECT NUMBER 17251
	CADD STANDARDS LBFH	

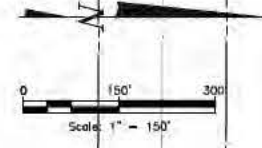
REV	DATE	DESCRIPTION	APPR

GENERAL NOTES

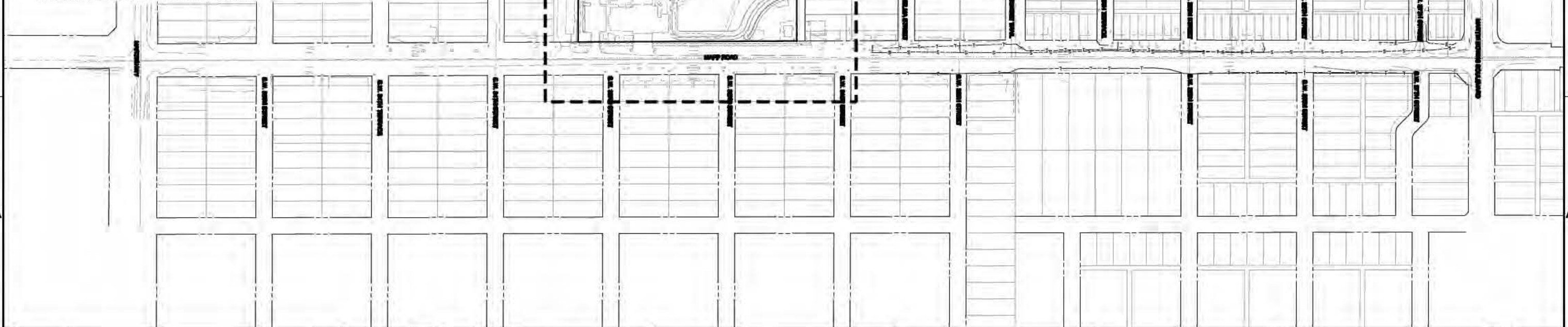
1. THE CONTRACTOR SHALL BE FAMILIAR WITH THE PROJECT SITE, THE SUPPLEMENTARY CONDITIONS TO AND THE SPECIFICATIONS FOR THE PROJECT WORK PRIOR TO COMMENCING CONSTRUCTION.
2. THE CONTRACTOR SHALL CONDUCT WORK IN STRICT ACCORDANCE WITH ALL PERMITS AND APPROVALS OBTAINED FOR THIS JOB.
3. WRITTEN DIMENSIONS ARE PROVIDED FOR CLARITY, WHERE WRITTEN AND SCALED DIMENSIONS CONFLICT, WRITTEN DIMENSIONS SHALL GOVERN.
4. ALL MATERIAL, DEBRIS, UNSUITABLE EARTH, ETC. OF NO SALVAGE VALUE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PUBLIC AGENCIES PRIOR TO COMMENCING THE WORK WITHIN THEIR JURISDICTION.
6. BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION WAS PROVIDED BY AECOM.
7. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CAUSE ALL EXISTING UTILITIES IN THE VICINITY OF THE PROJECT WORK TO BE LOCATED PRIOR TO INITIATING THE PROJECT WORK, AND TO PROTECT THOSE UTILITIES DURING CONSTRUCTION, AND TO NOTIFY ALL UTILITY COMPANIES WITH FACILITIES IN THE AREA PRIOR TO CONSTRUCTION.
9. EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL BE USED AS NECESSARY DURING CONSTRUCTION TO RETAIN SEDIMENT ON SITE. CONTRACTORS SHALL UTILIZE STRAW BALE SEDIMENT BARRIERS, OR ENGINEERING APPROVED EQUAL, WHENEVER CONSTRUCTION ACTIVITIES HAVE CREATED AN UNSTABILIZED SOIL SURFACE THAT HAS THE POTENTIAL FOR ALLOWING SEDIMENT TRANSPORT OFF-SITE.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL WATER, INCLUDING DE-WATERING WATER SHALL REMAIN ONSITE, IF WATER IS DISCHARGED FROM THE SITE IT SHALL MEET OR EXCEED STATE WATER QUALITY STANDARD - SPECIFICALLY, TURBIDITY SHALL NOT EXCEED 29 NTU ABOVE THE BACKGROUND LEVEL.
11. ALL ELEVATIONS AS SHOWN HEREON REFERENCE NAVD 88.
12. ALL PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC PER THE FDOT INDEX NO. 280. THE COST FOR FILTER FABRIC SHALL BE INCLUDED IN THE PIPE COSTS.
13. PIPE SHALL BE INSTALLED IN ACCORDANCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 430.
14. ALL EMBANKMENT PLACED SHALL BE COMPACTED TO A MINIMUM DENSITY OF 98% MAXIMUM DENSITY AS DETERMINED BY THE AASHTO T-180.
15. SOD ALL SLOPES 4:1 OR STEEPER PER FDOT INDEX AND SPECIFICATIONS. LAKE SIDE SLOPES SHALL BE OF CLEAN MATERIAL, AND STABILIZED THROUGH SOD OR PLANTING FROM 2 FEET BELOW TO 1 FOOT ABOVE THE CONTROL ELEVATION TO PROMOTE VEGETATION GROWTH.
16. SOD ALL DISTURBED AREAS PER FDOT INDEX AND SPECIFICATIONS.
17. ALL AREAS WITHIN THE PROJECT BOUNDARY AND ADJACENT PUBLIC RIGHT-OF-WAYS WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE SODDED WITHIN TWO WEEKS OF THE COMPLETION OF THE EARTHWORK ACTIVITY.
18. MINIMUM COVER ON ALL STORM CULVERTS SHALL BE SPECIFIED IN THE FDOT ROADWAY INDEX.
19. ALL PIPE LENGTHS SHOWN ARE PLUS OR MINUS DIMENSIONS AND ARE MEASURED FROM THE CENTER OF THE STRUCTURES.
20. CONTOUR LINES AND SPOT ELEVATIONS SHOWN ON THESE GRADING PLANS ARE THE RESULT OF A DETAILED ENGINEERING GRADING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO DRAINAGE. SHOULD THE CONTRACTOR HAVE ANY QUESTION AS TO THIS INTENT, OR ANY PROBLEMS WITH THE CONTINUITY OF GRADES, THE ENGINEER SHALL BE CONTACTED PRIOR TO COMPLETING THAT WORK.
21. TURBIDITY CONTROL DEVICES AND TEMPORARY BARRIERS WILL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO ANY CONSTRUCTION ACTIVITIES.

GENERAL NOTES FOR SWPPP

1. ANY CONSTRUCTION ACTIVITY THAT DISTURBS >1 ACRE OF LAND MUST FILE A NOTICE OF INTENT (NOI) WITH THE FDEP 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THIS FORM CAN BE FOUND ON THE FDEP WEB PAGE. A COPY OF THIS NOI MUST BE SUPPLIED TO THE ENGINEERING DEPARTMENT. ALONG WITH THIS NOI, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MUST BE DESIGNED.
2. GENERAL EROSION CONTROL BMP'S SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION, POTENTIAL SLOPE CAVES-INS AND THE RELEASE OF TURBID WATER OFF SITE. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE, PRIOR TO AND DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS NECESSARY.
3. SILTATION BARRIERS SHOULD BE INSTALLED AROUND THE PERIMETER OF THE ENTIRE SITE PRIOR TO CONSTRUCTION ACTIVITY, EXCEPT FOR CONSTRUCTION ENTRANCE/EXIT POINTS.
4. CONSTRUCTION ENTRANCE/EXIT POINTS SHALL BE CONSTRUCTED WITH FDOT SIZE #1 AGGREGATE. IF THIS IS NOT AVAILABLE, SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE PROJECT ENGINEER.
5. ALL MATERIALS SPILLED, DROPPED OR TRACKED ONTO PUBLIC ROADS SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY PROJECT ENGINEER.
6. HEAVY CONSTRUCTION EQUIPMENT, PARKING, MAINTENANCE AND STORAGE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, HAZARDOUS MATERIALS AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORM WATER COLLECTION SYSTEMS. CONTRACTOR SHALL PROVIDE DIKES, HAY BALES OR SILT SCREENS AROUND SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE, HAZARDOUS MATERIALS OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE ABSORBENT FILTER PADS OR OTHER SPILL KITS TO CLEAN UP SPILLS AS THEY OCCUR.
7. STORM WATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURE SHALL BE EMPLOYED AS SOON AS PRACTICABLE DURING THE VARIOUS STAGES OF CONSTRUCTION. THE ABOVE-MENTIONED PROTECTION SHALL REMAIN IN PLACE UNTIL SODDING AROUND THE INLETS IS COMPLETE.
8. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES MAY BE UTILIZED AS DIRECTED BY THE PROJECT ENGINEER.
9. THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE ON-SITE, AND IS RESPONSIBLE FOR RECORDING DAILY RAINFALL.
10. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL DOCUMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN, FOR EXAMPLE, THE INSPECTION SHEETS, MAINTENANCE RECORDS, RAINFALL AMENDMENTS TO THE PLAN, FOR AT LEAST 3 YEARS AFTER THE NOTICE OF TERMINATION IS COMPLETE.
11. DO NOT WASH OUT CONCRETE TRUCKS INTO STORM WATER DRAINS, OPEN DITCHES, STREETS OR STREAMS.
12. THE CONTRACTOR SHALL LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, AND BORROW AND FILL OPERATIONS AS DETERMINED BY THE PROJECT CONDITIONS. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE ATTAINABLE AND TEMPORARILY SEED AND MULCH DISTURBED IDLE AREAS AS SOON AS POSSIBLE.
13. STABILIZATION SHALL BE INITIATED ON ALL DISTURBED AREAS AS SOON AS PRACTICABLE, BUT NO LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED ON THAT PARTICULAR AREA.
14. TO MINIMIZE TURBIDITY OF SURFACE WATERS, A FLOATING TURBIDITY BARRIER SHALL BE PLACED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITIES WHERE APPLICABLE.
15. WHERE CONNECTIONS TO AN EXISTING DRAINAGE SYSTEM ARE PROPOSED, SAID EXISTING DRAINAGE STRUCTURES AND LINES SHALL BE CLEANED OF ALL SILT AND OTHER DEBRIS PRIOR TO SAID CONNECTIONS BEING MADE, AND WHERE THE EXISTING DRAINAGE SYSTEMS INCLUDE DITCHES, SAID DITCHES SHALL BE CLEARED AND REWORKED AS NECESSARY, TO RETURN THEM TO APPROVED DESIGN.
16. INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED INSPECTOR ONCE EVERY 7 DAYS AND WITHIN 12 HOURS AFTER .5" OF RAINFALL.
17. MAINTENANCE SHALL BE PERFORMED ON AN AS NEEDED BASIS ON ALL EROSION AND SEDIMENT CONTROLS TO ENSURE PROPER INSTALLATION AND OPERABILITY.



SHEET G-3
SHEET P-1



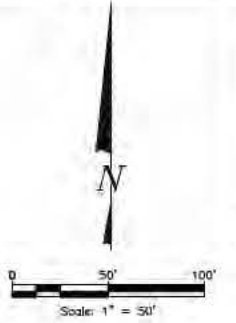
<table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>APPR</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	REV	DATE	DESCRIPTION	APPR					VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DESIGNED BY: AEE DRAWN BY: RCF CHECKED BY: TFM DATE: 11/3/200	PROJECT ENGINEER: AMY E EASON, P.E. REG NUMBER: 59936 EXP DATE: FEB. 28, 2011 PROJECT NUMBER: 17251 CADD STANDARDS: LBFH	AECOM AECOM USA, Inc. 3550 S.W. Corporate Parkway Palm City, Florida 34990 T 772.266.3883 F 772.266.3925 BPR & FBPE License No's 38 & LB7717 www.aecom.com	MCBOCC MAPP ROAD TOWN CENTER - STORMWATER MANAGEMENT PROJECT	DRAWING: 17261 KEY SHEET: G-2 OF 14 SHEETS
	REV	DATE	DESCRIPTION	APPR										
KEY SHEET AND GENERAL NOTES														

LAND CLEARING NOTES:

1. ALL PROJECT AREAS TO BE CLEARED OF EXISTING VEGETATION WITH THE EXCEPTION OF THOSE DESIGNATED AREAS AS NOTED.
2. PROPERTY CORNERS SHALL BE LOCATED BY A LICENSED LAND SURVEYOR AND CLEARLY MARKED IN THE FIELD PRIOR TO CLEARING INSPECTION.
3. ALL CONSTRUCTION BARRICADES AND SILT FENCES WILL REMAIN IN PLACE AND MAINTAINED DURING THE ENTIRE CONSTRUCTION.
4. PRIOR TO THE INSTALLATION OF EROSION CONTROL STRUCTURES AND PRESERVE BARRICADES, THE CONTRACTOR SHALL CONTACT MARTIN COUNTY ENGINEERING DEPARTMENT TO DETERMINE IF A SITE INSPECTION IS WARRANTED.
5. NO LAND CLEARING SHALL BE AUTHORIZED UNTIL A SATISFACTORY INSPECTION OF REQUIRED CONTROL STRUCTURES AND BARRICADES HAVE BEEN APPROVED IF WARRANTED.
6. SOIL STABILIZATION SHALL BE COMPLETED WITHIN 30 DAYS OF VEGETATION REMOVAL.
7. LAND CLEARING DEBRIS TO BE REMOVED & DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS, REGULATIONS AND ORDINANCES.
8. SOD ALL SLOPES 4:1 OR STEEPER PER FDOT INDEX AND SPECIFICATIONS. LAKE SIDE SLOPES SHALL BE OF CLEAN MATERIAL, AND STABILIZED THROUGH SOD OR PLANTING FROM 2 FEET BELOW TO 1 FOOT ABOVE THE CONTROL ELEVATION TO PROMOTE VEGETATION GROWTH.
9. SOD ALL DISTURBED AREAS PER FDOT INDEX AND SPECIFICATIONS.
10. LIMITS OF CONSTRUCTION SHALL BE WITHIN THE LIMITS OF THE SILT FENCE WITH EXCEPTION OF THOSE DESIGNATED AREAS AS NOTED.
11. ALL EXOTICS TO BE REMOVED ACCORDING TO THE PRESERVE AREA MANAGEMENT PLAN (PAMP) FOR THIS PROJECT.

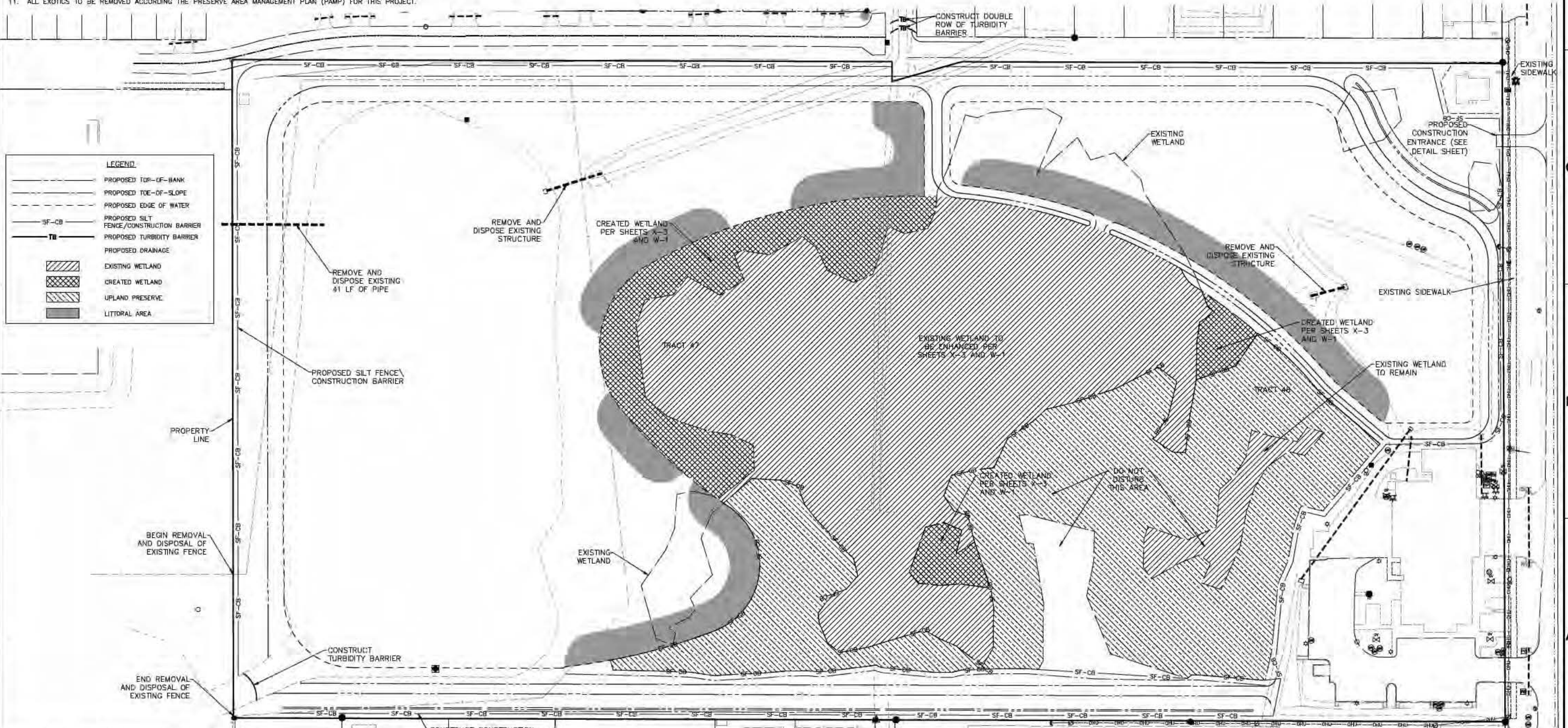
EXCAVATION NOTES:

1. PRIOR TO THE START OF AN EXCAVATION THAT CREATES AN OPEN BODY OF WATER, THE CONTRACTOR SHALL POST SIGNS WARNING OF THE POTENTIAL HAZARD CREATED BY THE EXCAVATION.



LEGEND

- PROPOSED TOP-OF-BANK
- - - PROPOSED TOE-OF-SLOPE
- - - PROPOSED EDGE OF WATER
- - - SF-CB PROPOSED SILT FENCE/CONSTRUCTION BARRIER
- - - TB PROPOSED TURBIDITY BARRIER
- - - PROPOSED DRAINAGE
- ▨ EXISTING WETLAND
- ▩ CREATED WETLAND
- ▧ UPLAND PRESERVE
- ▦ LITTORAL AREA



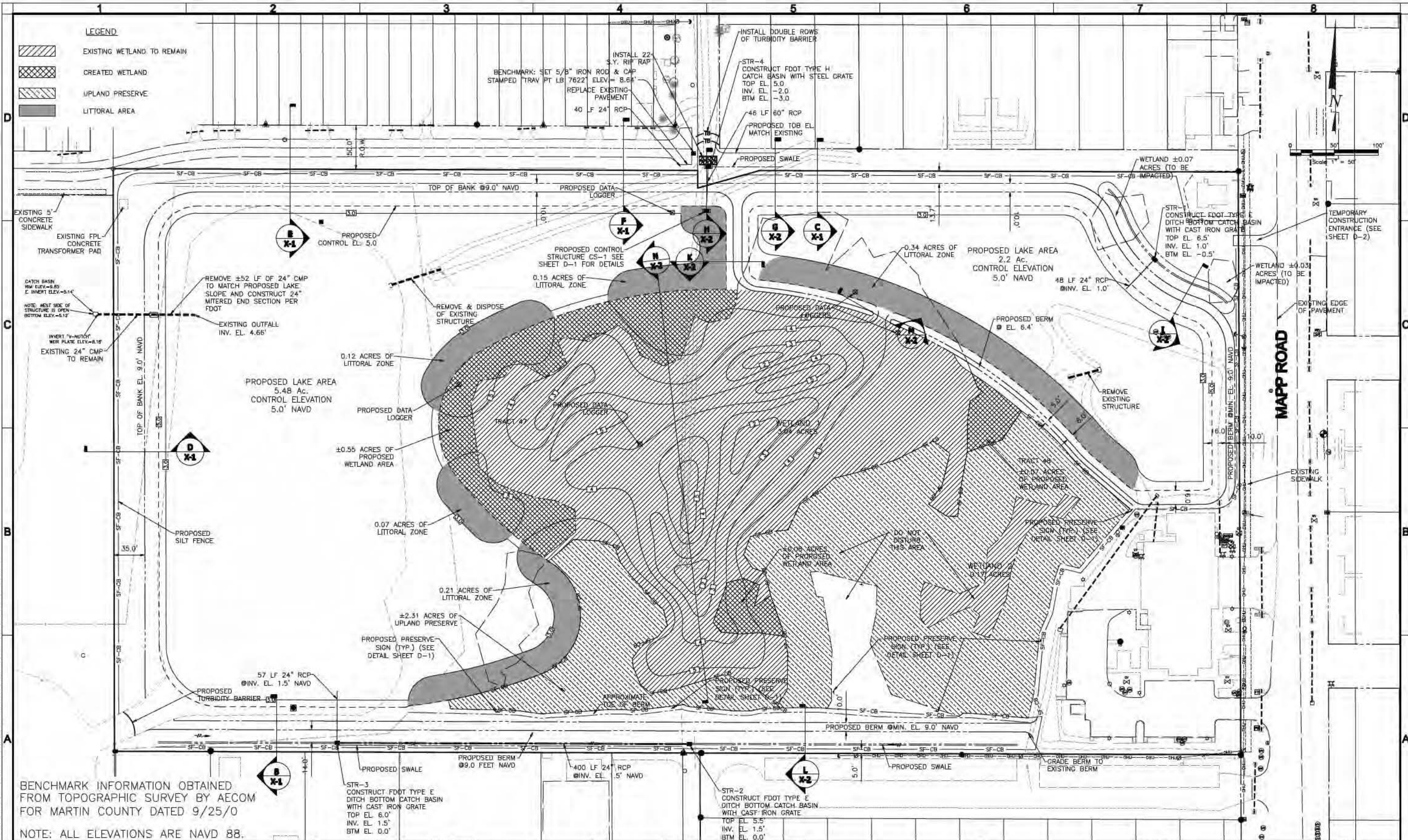
NOTE: ALL ELEVATIONS ARE NAVD 88.

<table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>APPR</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	REV	DATE	DESCRIPTION	APPR													<p>VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</p>	<p>DESIGNED BY: AEE DRAWN BY: RCF CHECKED BY: TFM DATE: 11/25/2008</p>	<p>PROJECT ENGINEER: AMY E EASON, P.E. REG NUMBER: 59936 EXP DATE: FEB. 28, 2011 PROJECT NUMBER: 17251 CAD STANDARDS: LBFH</p>	<p>AECOM AECOM USA, Inc. 3550 S.W. Corporate Parkway Palm City, Florida 34993 T 772.286.3883 F 772.286.3925 BPR & FBPE License No's 38 & LB7717 www.aecom.com</p>	<p>MCBOCC MAPP ROAD TOWN CENTER - STORMWATER MANAGEMENT PROJECT</p>	<p>DRAWING: 7251 EXCAVATION SHEET: G-3 OF 14 SHEETS</p>
	REV	DATE	DESCRIPTION	APPR																		
<p>LAND CLEARING AND EROSION CONTROL PLAN</p>																						
<p>1 2 3 4 5 6 7 8</p>																						
<p>A B C D</p>																						

DWG: P:\17251\Design\17251_Excavation.dwg Layout: Name: G-3
 PAGES: 17251_A.dwg 17251_A.dwg 17251_A.dwg
 Plotted by: Prasad, Ryan Date: 4/7/2010 11:33 AM
 Images: 07813_0208.dwg 07813_0210.dwg 07813_0223.dwg
 P:\17251\Design\17251_Excavation.dwg

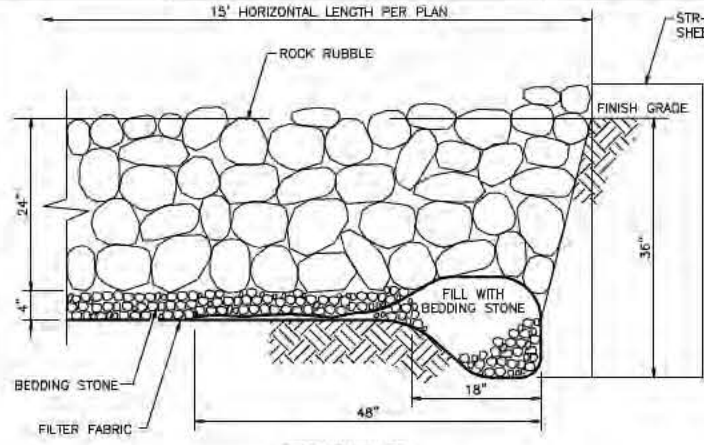


<p>DESIGNED BY: AEE</p> <p>DRAWN BY: RCF</p> <p>CHECKED BY: TFM</p> <p>DATE: 11/5/2008</p>		<p>PROJECT ENGINEER: AMY E EASON, P.E.</p> <p>REG NUMBER: 59936</p> <p>EXP DATE: FEB. 28, 2011</p> <p>PROJECT NUMBER: 17251</p> <p>CADD STANDARDS: LBFH</p>		<p>AECOM</p> <p>AECOM USA, Inc. 3550 S.W. Corporate Parkway Palm City, Florida 34990 T 772.286.3883 F 772.286.3925 BPR & FBPE License No's 38 & LB7717 www.aecom.com</p>		<p>MCBOCC</p> <p>MAPP ROAD TOWN CENTER - STORMWATER MANAGEMENT PROJECT</p> <p>17251 PLAN EXIST</p>	
<p>EXISTING CONDITIONS PLAN</p>				<p>SHEET EX-1</p> <p>Of 14 SHEETS</p>			



VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DESIGNED BY AEE	PROJECT ENGINEER AMY E. EASON, P.E.	AECOM AECOM USA, Inc. 3550 S.W. Corporate Parkway Palm City, Florida 34990 T 772.286.3883 F 772.286.3925 BPR & FBPE License No's 36 & LB7717 www.aecom.com	MCBOCC MAPP ROAD TOWN CENTER - STORMWATER MANAGEMENT PROJECT PHASE 1 PAVING GRADING & DRAINAGE PLAN	DRAWING 17251 PLAN PD LAKE1
	DRAWN BY RCF	REG NUMBER 59936			EXP DATE FEB. 28, 2011
	CHECKED BY TFM	PROJECT NUMBER 17251			
	DATE 11/4/2008	CAD STANDARDS LBFH			

DWG: PA 17251 (Sheet) Plan PD Lake1.dwg Layout Name: P-1 11-11-11 10:20:17 (1/1) Date: 11/13/2008 11:11:11 AM
 PLOT: PA 17251 (Sheet) Plan PD Lake1.dwg Layout Name: P-1 11-11-11 10:20:17 (1/1) Date: 11/13/2008 11:11:11 AM
 PAGES: 07/13/2008 11:11:11 AM

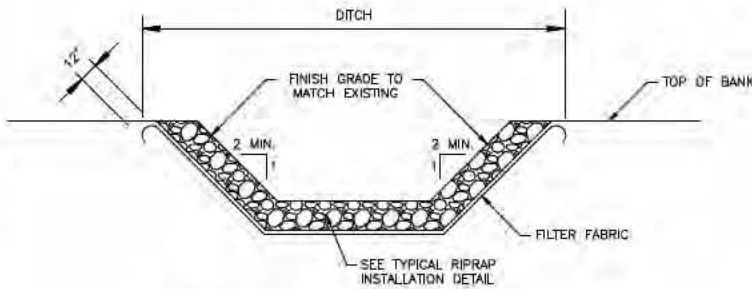


SECTION VIEW

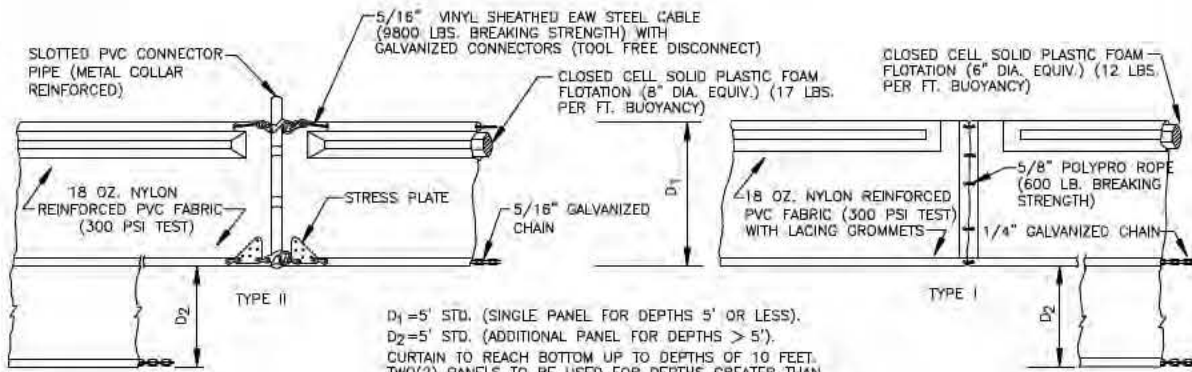
NOTES:

1. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 530 OF THE FDOT SPECIFICATIONS. THE AREAS TO RECEIVE RIP-RAP SHALL BE LINED WITH FILTER FABRIC AND 4" INCHES OF BEDDING STONE. ROCK RUBBLE SHALL BE PLACED IN 2 LAYERS FOR A TOTAL DEPTH OF 24" TO PRODUCE A REASONABLY WELL GRADED MASS OF STONE WITH THE MINIMUM PRACTICAL PERCENTAGE OF VOIDS.
2. THE ROCK RUBBLE SHALL BE BROKEN STONE CONFORMING TO SECTION 530 OF THE FDOT SPECIFICATIONS. BROKEN CONCRETE SHALL NOT BE ALLOWED.
3. THE BEDDING STONE SHALL CONFORM TO SECTIONS 901 AND 530 OF THE FDOT SPECIFICATIONS FOR NUMBER 4 COURSE AGGREGATE.
4. THE FILTER FABRIC MATERIALS SHALL CONFORM TO SECTION 985 OF THE FDOT SPECIFICATIONS FOR CLASS 1 FABRIC. INSTALLATIONS SHALL CONFORM TO SECTION 514, FDOT SPECIFICATIONS.

TYPICAL RIP-RAP INSTALLATION
N.T.S.



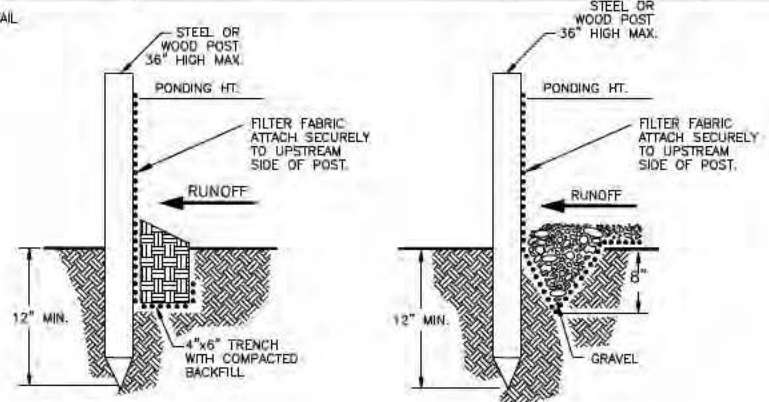
TYPICAL RIP-RAP DITCH SECTION
N.T.S.



D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2 = 5' STD. (ADDITIONAL PANEL FOR DEPTHS > 5').
CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET.
TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

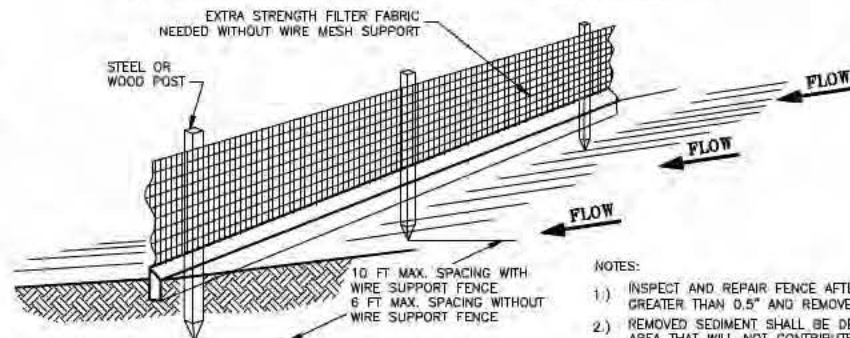
NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIER
N.T.S.

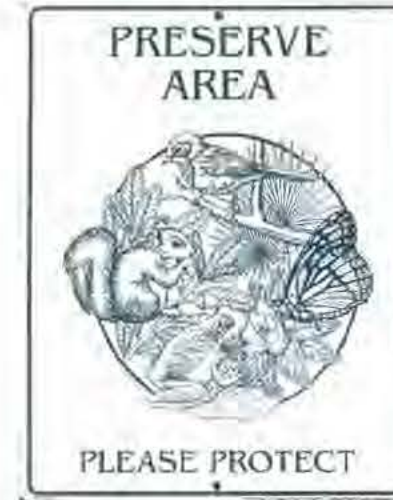


STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL
TRENCH WITH GRAVEL



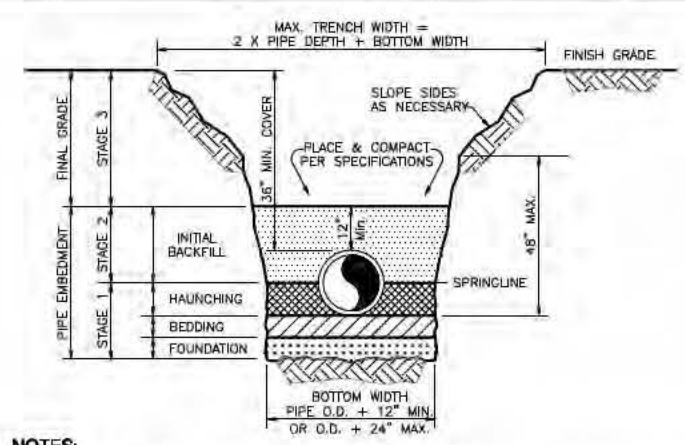
SILT FENCE DETAILS
N.T.S.



TYPICAL PRESERVE SIGN
N.T.S.

NOTES:

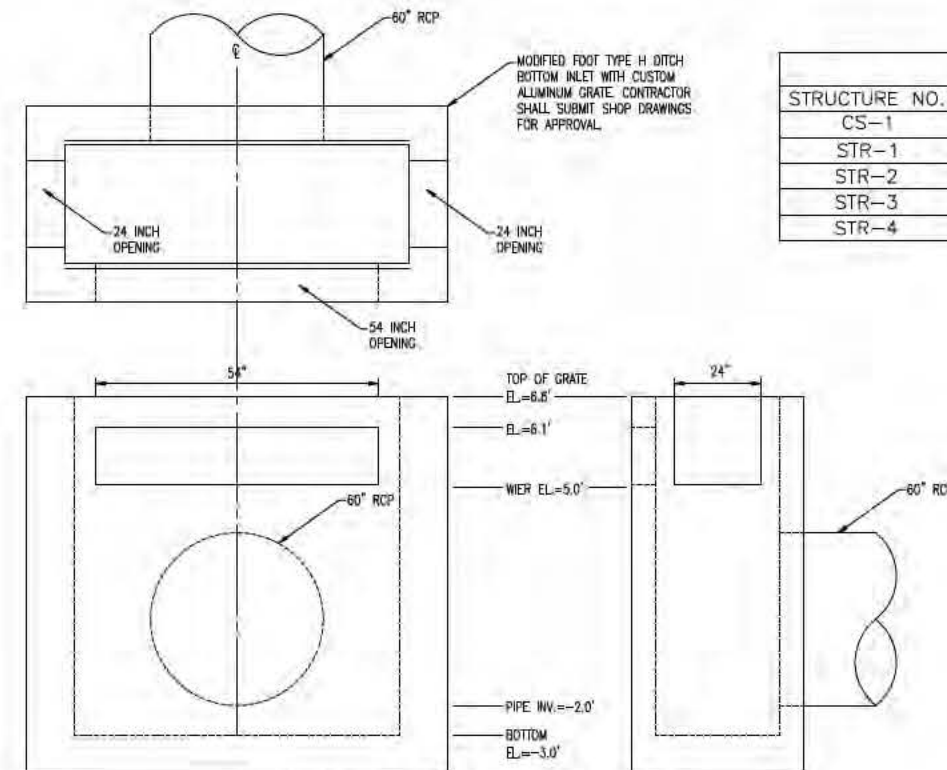
- 1.) INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT GREATER THAN 0.5" AND REMOVE SEDIMENT WHEN NECESSARY.
- 2.) REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
- 3.) SILT FENCE SHALL BE PLACED ON SLOPE CONTOUR TO MAXIMIZE PONDING EFFICIENCY.
- 4.) OVERLAP ALL JOINTS AT LEAST 6 FEET, PER FDOT SPECIFICATIONS.



NOTES:

1. DEPTH OF PIPE MAY BE FIELD ADJUSTED TO MEET SPECIAL CONDITIONS AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
2. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTION 430.
3. ALL TRENCHING SHALL COMPLY WITH THE REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.
4. FOUNDATION: PROVIDE A SUITABLE FOUNDATION WHERE THE FOUNDATION MATERIAL IS UNSUITABLE. REMOVE AND DISPOSE OF UNSUITABLE MATERIAL AS SPECIFIED IN FDOT SPECIFICATION 125-8.
5. BEDDING: BEDDING OF SANDSTONE AND GRAVEL IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE AND ADJUST FOR PIPE BELLS. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. MATERIAL SHALL BE PLACED IN 4" TO 6" LIFTS, LIGHTLY COMPACTED, UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL.
6. HAUNCHING: HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
7. INITIAL BACKFILL: INITIAL BACKFILL SHALL BE HAND PLACED TO 12" ABOVE THE TOP OF THE PIPE.
8. FINAL BACKFILL: FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED.
9. DENSITY: ALL BACKFILL SHALL BE COMPACTED TO 98% AASHTO T-180 IN 12 INCH LIFTS.

TYPICAL TRENCHING & BACKFILLING
N.T.S.



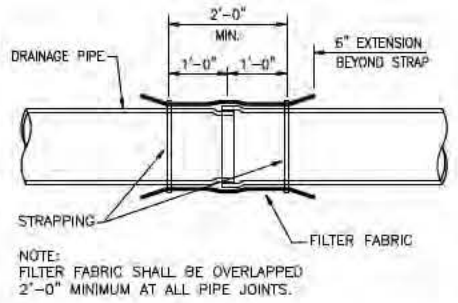
CONTROL STRUCTURE CS-1
N.T.S.

STRUCTURE TABLE

STRUCTURE NO.	TOP EL.	PIPE INV. EL.	BTM. EL.	NORTHING	EASTING
CS-1	6.8	-2.0	-3.0	1030375.64	893064.32
STR-1	6.5	1.0	-0.5	1030320.86	893573.08
STR-2	5.5	1.5	0.0	1029770.39	893044.99
STR-3	6.0	1.5	0.0	1029771.57	892644.99
STR-4	5.0	-2.0	-3.0	1030425.93	893066.25

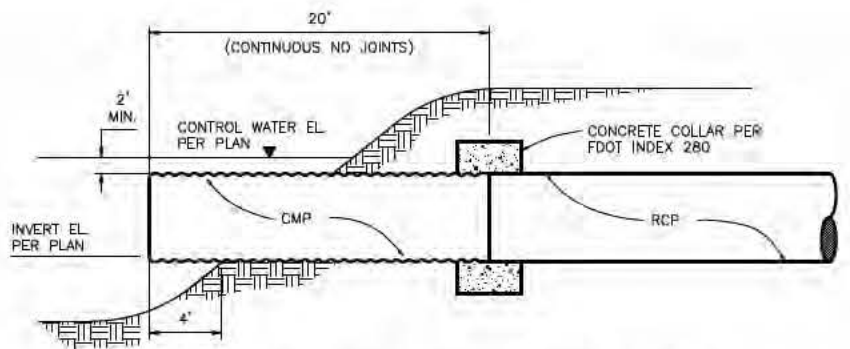
<p>VERIFY SCALES</p> <p>BAR IS ONE INCH ON ORIGINAL DRAWING</p> <p>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</p>	<p>DESIGNED BY: AEE</p> <p>DRAWN BY: RCF</p> <p>CHECKED BY: TFM</p> <p>DATE: 1/23/200</p>	<p>PROJECT ENGINEER: AMY E EASON, P.E.</p> <p>REG NUMBER: 59936</p> <p>EXP DATE: FEB. 28, 2011</p> <p>PROJECT NUMBER: 17251</p> <p>CADD STANDARDS: LBFH</p>	<p>AECOM</p> <p>AECOM USA, Inc. 3550 S.W. Corporate Parkway Palm City, Florida 34990 T 772.286.3883 F 772.286.3925 BPR & FBPE License No's 38 & LB7717 www.aecom.com</p>	<p>MCBOCC</p> <p>MAPP ROAD TOWN CENTER - STORMWATER MANAGEMENT PROJECT</p> <p>DETAILS</p>	<p>DRAWING: 17251 DETAILS</p> <p>SHEET: D-1</p> <p>OF 14 SHEETS</p>
	<p>REV</p> <p>DATE</p> <p>DESCRIPTION</p> <p>APPR</p>	<p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p>			

DWG: P:\17251\09\17251_Detailed\17251_Schematic.dwg - PLOT: 4/7/2010 11:34 AM - PLOTTER: Frankfort, Ryan - Date: 4/7/2010 11:34 AM
 FILE: P:\17251\09\17251_Detailed\17251_Schematic.dwg - PLOT: 4/7/2010 11:34 AM - PLOTTER: Frankfort, Ryan - Date: 4/7/2010 11:34 AM
 D:\Users\frankfort_r\OneDrive - AECOM\Documents\17251\09\17251_Schematic.dwg - PLOT: 4/7/2010 11:34 AM - PLOTTER: Frankfort, Ryan - Date: 4/7/2010 11:34 AM



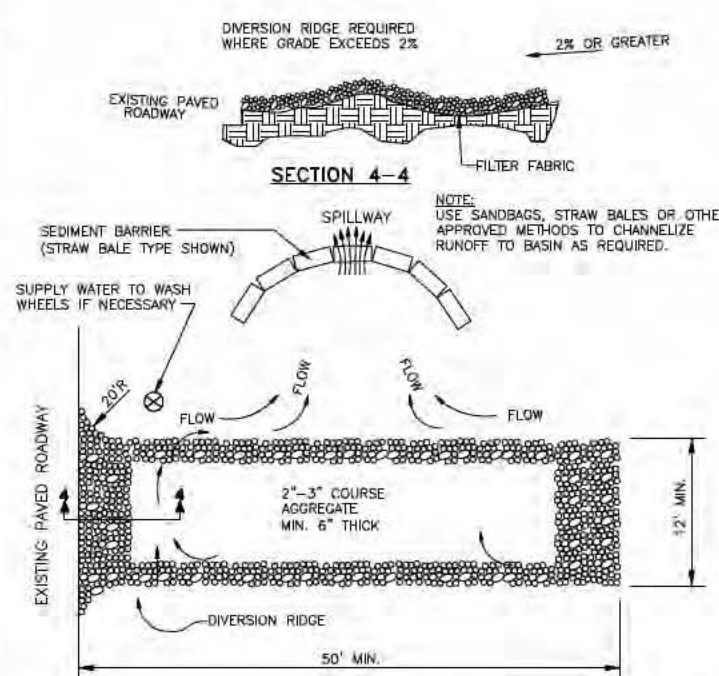
FILTER FABRIC PIPE JOINT WRAP

N.T.S.



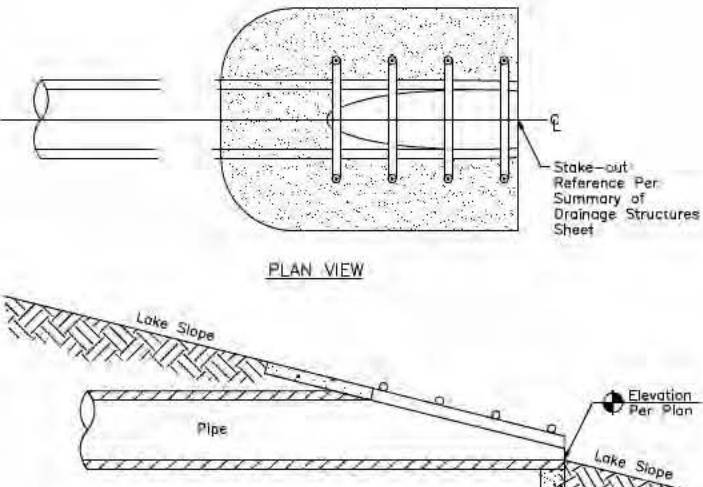
STORM PIPE DETAIL AT LAKE OUTFALL FOR ALL PROJECTING PIPES

N.T.S.



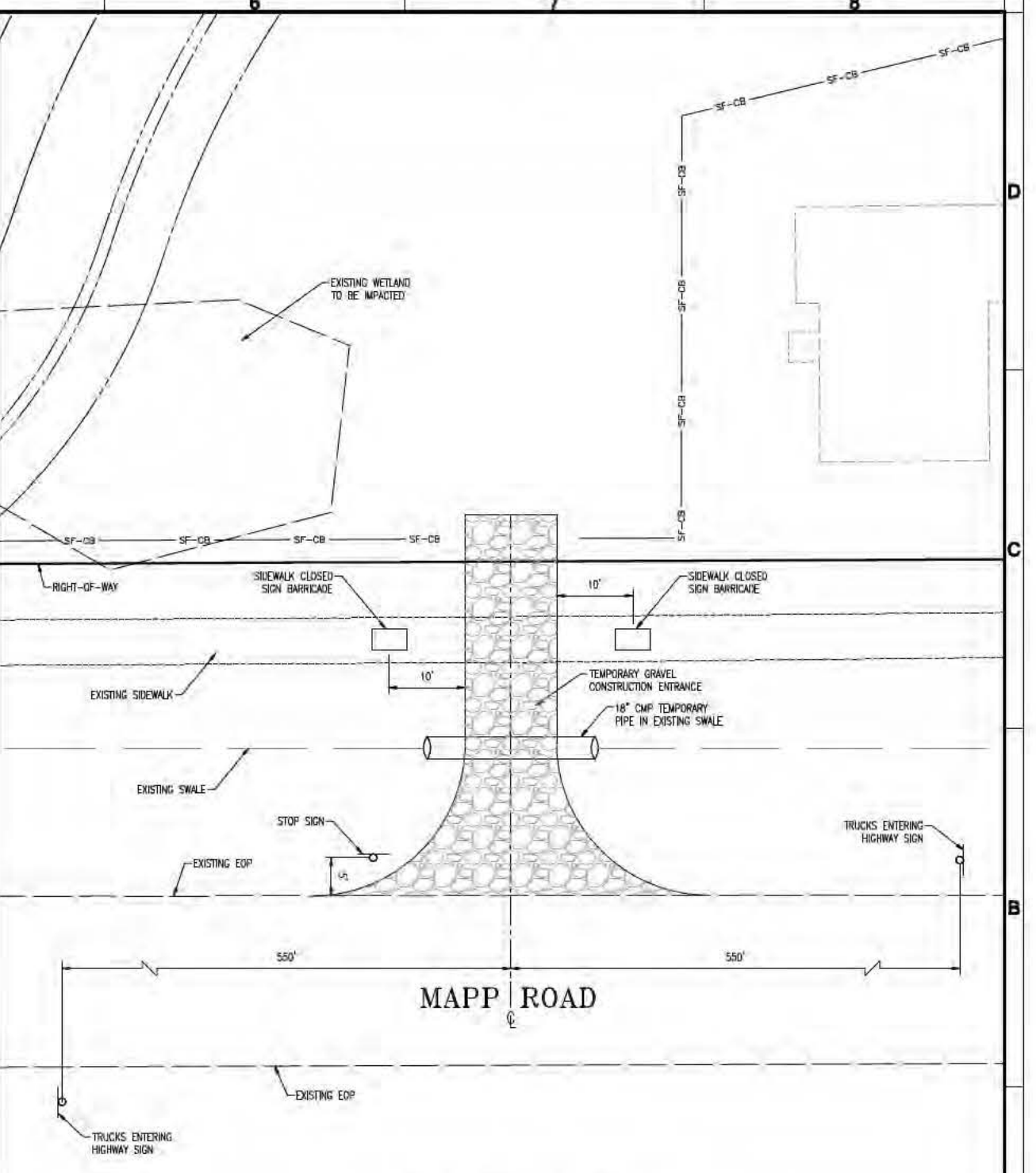
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

- NOTES:**
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



FDOT INDEX 272 & 273 MITERED END SECTIONS

SCALE: N.T.S.



TEMPORARY CONSTRUCTION ENTRANCE PLAN

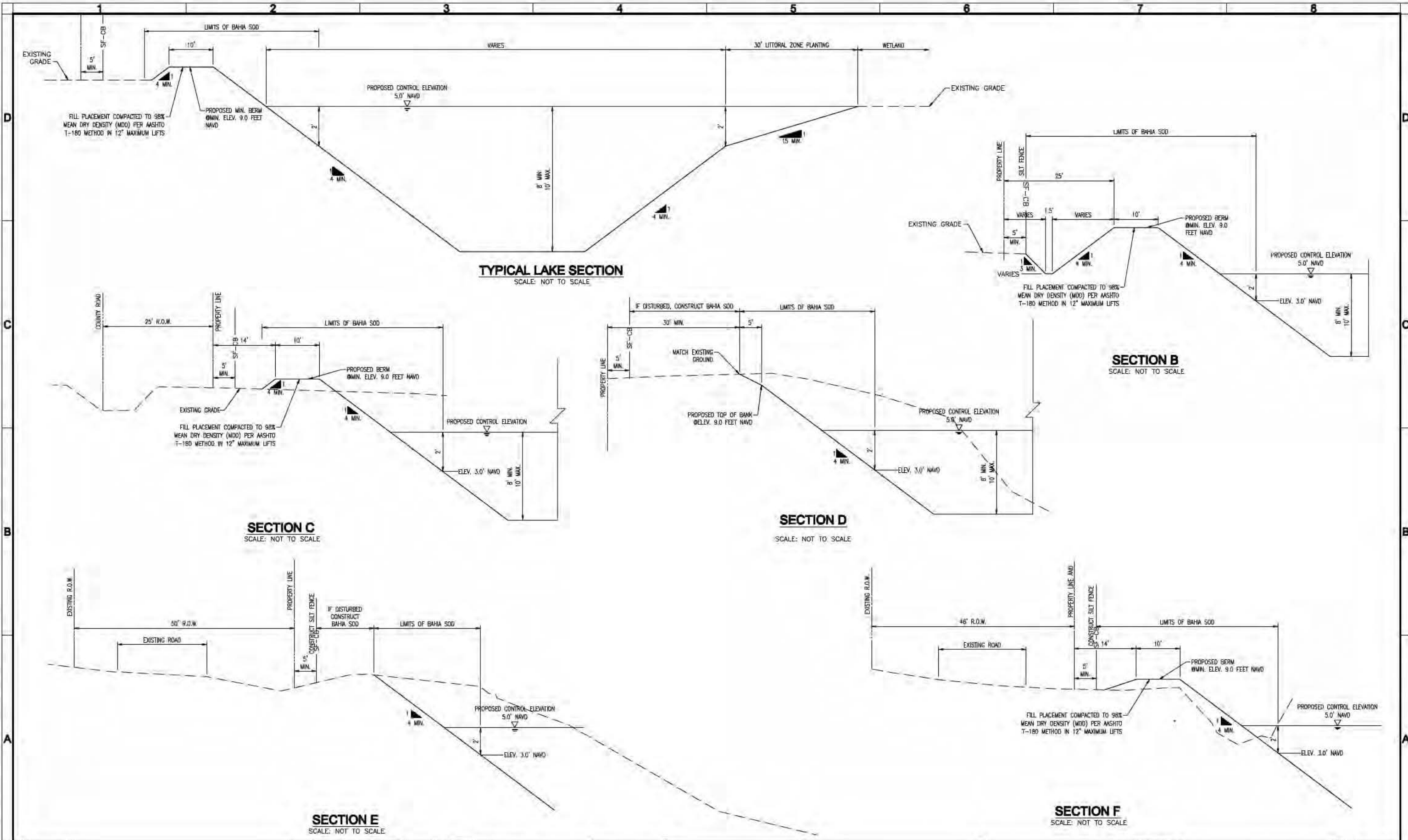
N.T.S.

REV	DATE	DESCRIPTION	APPR
1			
2			
3			
4			

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DESIGNED BY AEE	PROJECT ENGINEER AMY E EASON, P.E.
DRAWN BY RCF	REG NUMBER 59936	EXP DATE FEB. 28, 2011
CHECKED BY TFM	PROJECT NUMBER 17251	
DATE 1/23/2009	CADD STANDARDS LBFH	

MCBOCC		DRAWING 17251 DETAILS SHEET D-2 OF 14 SHEETS
MAPP ROAD TOWN CENTER - STORMWATER MANAGEMENT PROJECT		
DETAILS		

DWG: P:\17251\Design\17251-10-sections.dwg Layout: Name: X-1 - Plotted by: Frankelberry, Ryan Date: 4/7/2010 11:54 AM



REV	DATE	DESCRIPTION	APPR

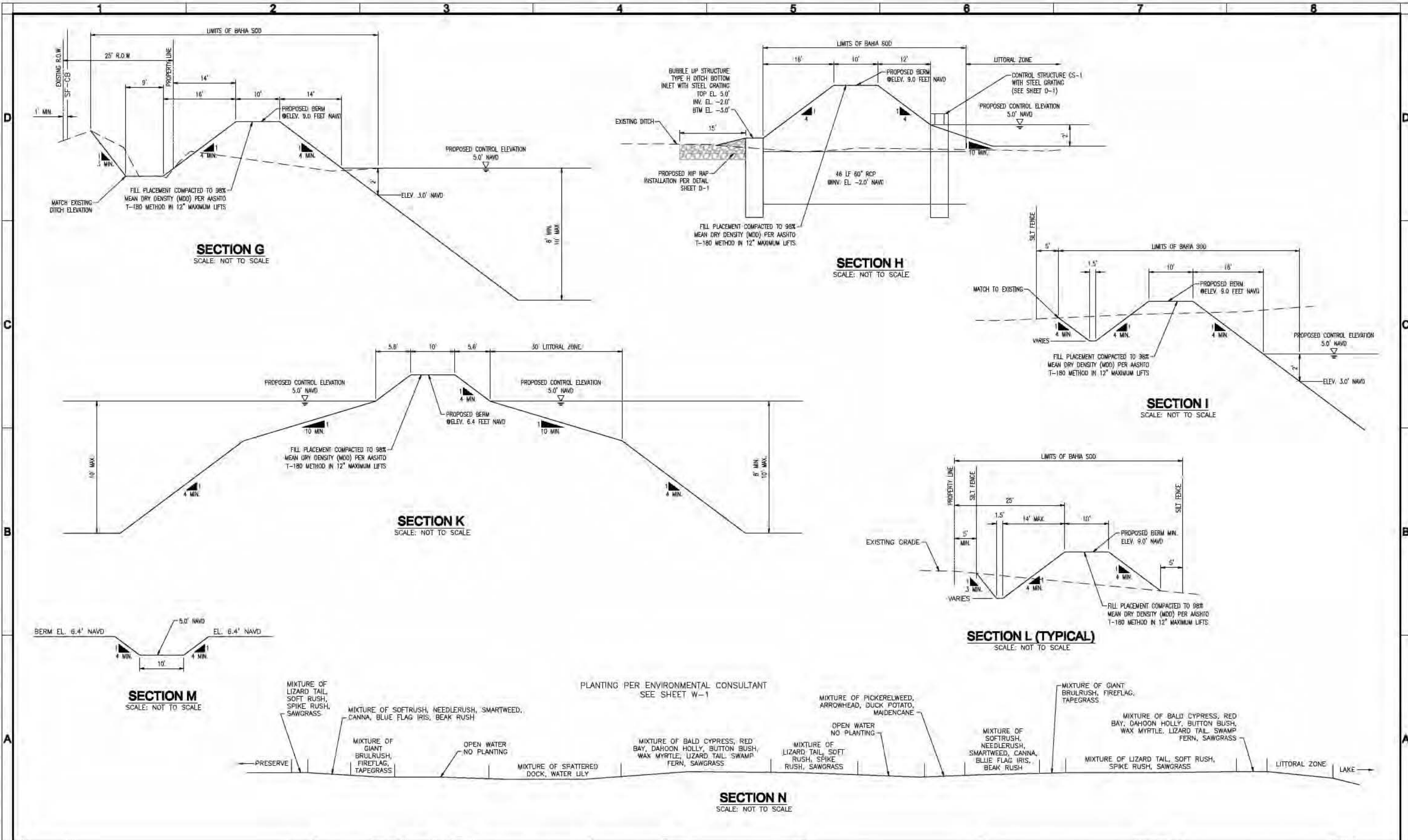
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DESIGNED BY AEE	PROJECT ENGINEER AMY E EASON, P.E.
CHECKED BY TFM	DRAWN BY RCF	REG NUMBER 59936
DATE 11/4/200	PROJECT NUMBER 17251	EXP DATE FEB. 28, 2011
	CADD STANDARDS LBFH	

AECOM

AECOM USA, Inc.
3550 S.W. Corporate Parkway
Palm City, Florida 34990
T 772.286.3883 F 772.286.3925
BPI & FBPE License No's 38 & LB7717
www.aecom.com

MCBCCC MAPP ROAD TOWN CENTER - STORMWATER MANAGEMENT PROJECT	DRAWING 17251 X-SECTIONS SHEET X-1 OF 14 SHEETS
TYPICAL SECTIONS	

DWG: P:\17251\Design\17251-X-Sections.dwg Layout: Name: X-2 - Plotted by: Frankelberry, Ryan Date: 4/7/2010 11:54 AM
 PLOT: 17251-X-Sections.dwg



VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY		DESIGNED BY: AEE DRAWN BY: RCF CHECKED BY: TFM DATE: 11/4/2008	PROJECT ENGINEER: AMY E. EASON, P.E. REG. NUMBER: 59936 EXP. DATE: FEB. 28, 2011 PROJECT NUMBER: 17251 CAD STANDARDS: LBFH	AECOM AECOM USA, Inc. 3550 S.W. Corporate Parkway Palm City, Florida 34990 T 772.286.3883 F 772.286.3925 BPR & FBPE License No's 38 & LB7717 www.aecom.com	MCBOCC MAPP ROAD TOWN CENTER - STORMWATER MANAGEMENT PROJECT	DRAWING: 17251 X-SECTIONS SHEET: X-2 OF 14 SHEETS	
1	2	3	4	5	6	7	8

CONSTRUCTION PLANS AND SPECIFICATIONS

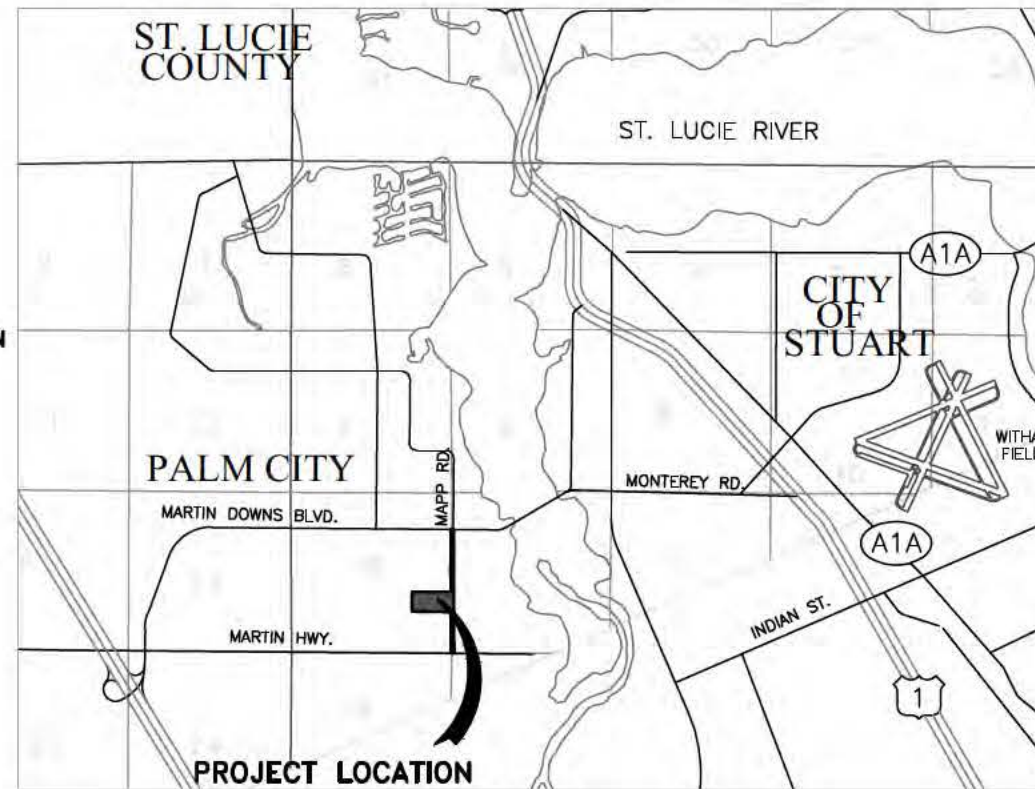
FOR

Martin County Board of County Commissioners

MAPP ROAD TOWN CENTER - WATER QUALITY CONTROL STRUCTURE

SECTION 18, TOWNSHIP 38S, RANGE 41E

MARTIN COUNTY, FLORIDA



SHEET LIST TABLE	
Sheet Number	Sheet Title
1	COVER
2	PLAN
3	DETAILS
4	NOTES - QUANTITIES
5	SPECIFICATIONS



BOARD OF COUNTY COMMISSIONERS

DOUG SMITH	DISTRICT 1
ED FIELDING	DISTRICT 2
HAROLD JENKINS	DISTRICT 3
SARAH HEARD	DISTRICT 4
ED CIAMPI	DISTRICT 5

NO.	DATE	REVISION	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			

LaCONTE ENGINEERING
 CIVIL ENGINEERING DESIGN & CONSULTING
 3933 SE Fairway East, Stuart, Florida 34997 (772) 215-0354

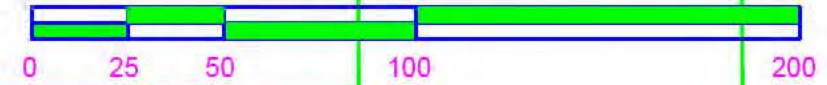
SEAL	SCALE N.T.S.	DATE 4/13/17
	DRAWN BY P.J.L.	DESIGN BY P.J.L.
	DRAWING MRTC LE-CS2 1Cover .dwg	SHEET NO.
		1 OF 5

NOTE: ALL ELEVATIONS ARE NAVD 88.

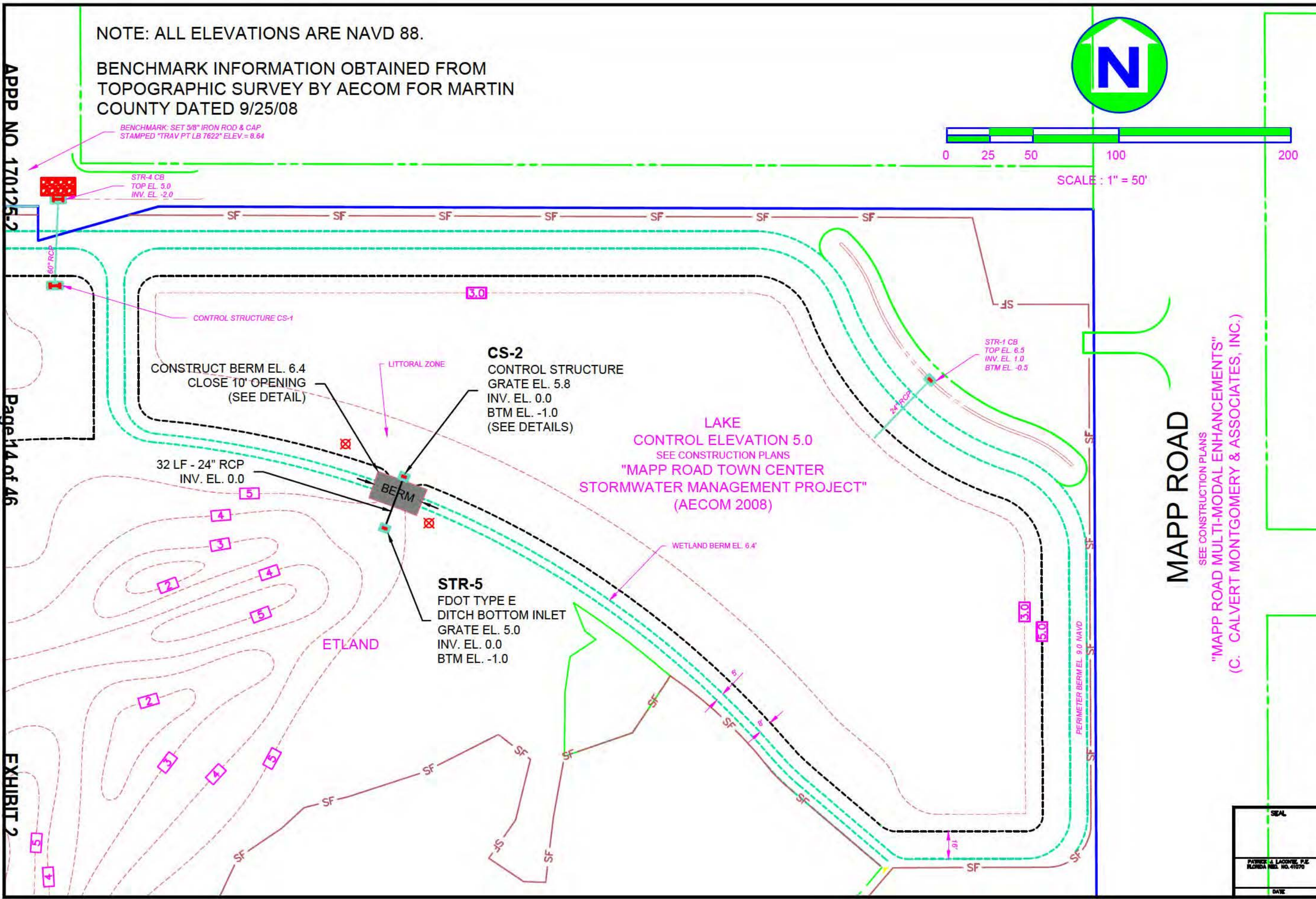
BENCHMARK INFORMATION OBTAINED FROM TOPOGRAPHIC SURVEY BY AECOM FOR MARTIN COUNTY DATED 9/25/08

BENCHMARK: SET 5/8" IRON ROD & CAP STAMPED "TRAV PT LB 7622" ELEV.= 8.64

STR-4 CB TOP EL. 3.0 INV. EL. -2.0



SCALE: 1" = 50'



MAPP ROAD

SEE CONSTRUCTION PLANS
"MAPP ROAD MULTI-MODAL ENHANCEMENTS"
(C. CALVERT MONTGOMERY & ASSOCIATES, INC.)



NO.	DATE	REVISION	BY
1			
2			
3			
4			
5			
6			
7			
8			

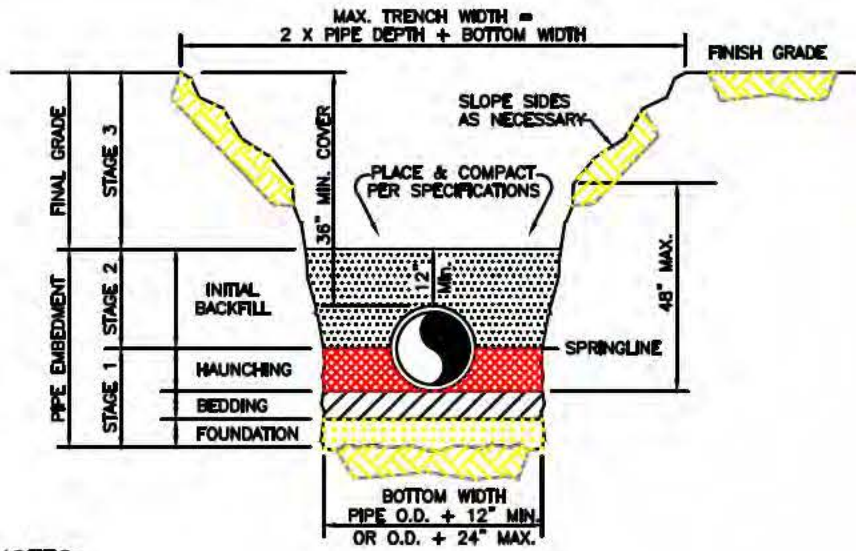
Martin County Board of County Commissioners
MAPP ROAD TOWN CENTER

WATER QUALITY CONTROL STRUCTURE PLAN

PALM CITY FLORIDA

SEAL	SCALE 1" = 50'	DATE 4/13/17
	DRAWN BY P.J.L.	DESIGN BY P.J.L.
	DRAWING MRTC LE-CS2 2Plan.dwg	SHEET NO.
		2 of 5

DATE

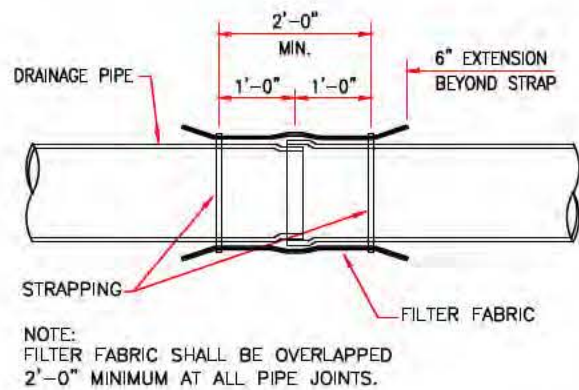


NOTES:

1. DEPTH OF PIPE MAY BE FIELD ADJUSTED TO MEET SPECIAL CONDITIONS AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
2. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTION 430.
3. ALL TRENCHING SHALL COMPLY WITH THE REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.
4. **FOUNDATION:** PROVIDE A SUITABLE FOUNDATION WHERE THE FOUNDATION MATERIAL IS UNSUITABLE. REMOVE AND DISPOSE OF UNSUITABLE MATERIAL AS SPECIFIED IN FDOT SPECIFICATION 125-8.
5. **BEDDING:** BEDDING OF SANDSTONE AND GRAVEL IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE AND ADJUST FOR PIPE BELLS. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. MATERIAL SHALL BE PLACED IN 4" TO 6" LIFTS, LIGHTLY COMPACTED, UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL.
6. **HAUNCHING:** HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
7. **INITIAL BACKFILL:** INITIAL BACKFILL SHALL BE HAND PLACED TO 12" ABOVE THE TOP OF THE PIPE.
8. **FINAL BACKFILL:** FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED.
9. **DENSITY:** ALL BACKFILL SHALL BE COMPACTED TO 98% AASHTO T-180 IN 12 INCH LIFTS.

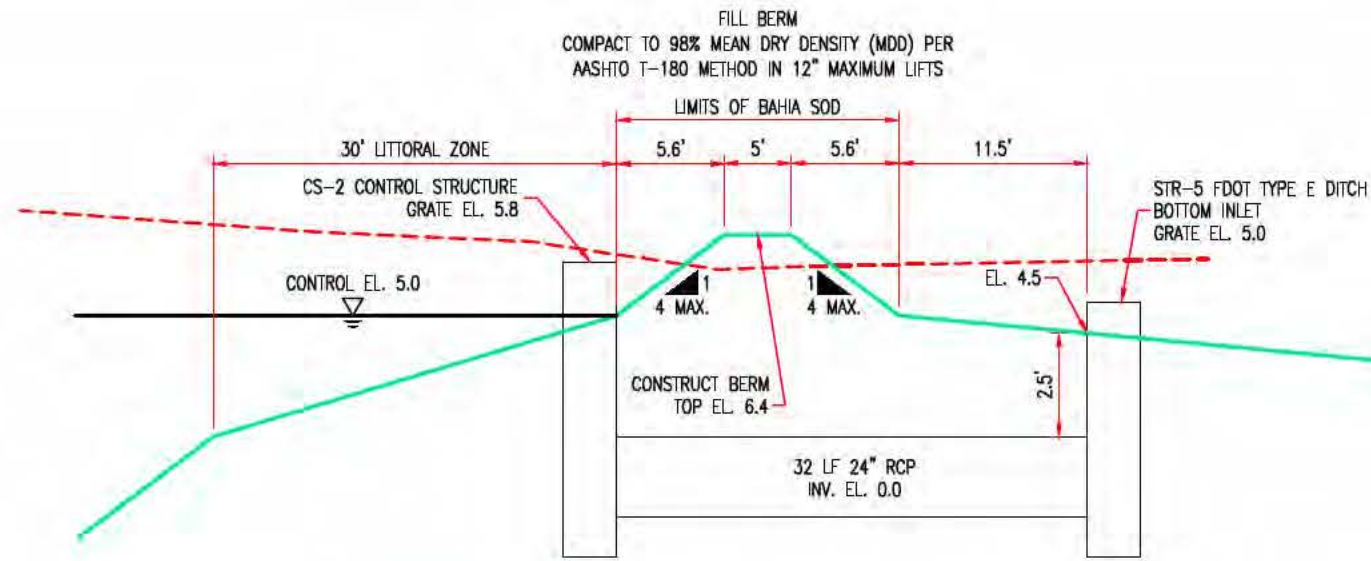
TYPICAL TRENCHING & BACKFILLING

N.T.S.



FILTER FABRIC PIPE JOINT WRAP

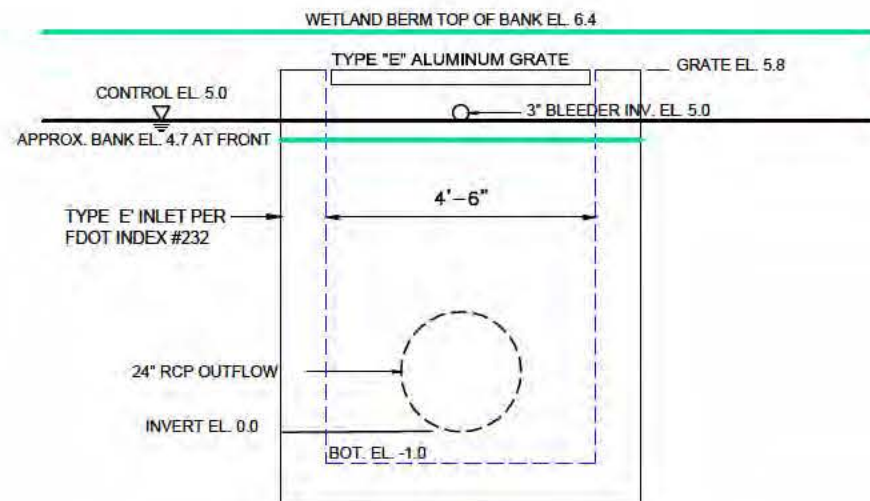
N.T.S.



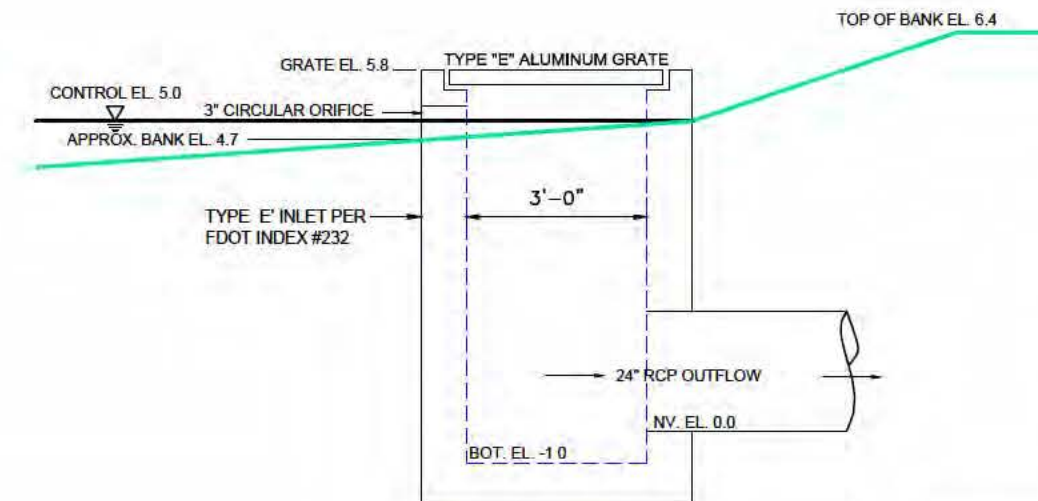
BERM & CONTROL STRUCTURE DETAIL

SCALE: NOT TO SCALE

STRUCTURE TABLE					
STRUCTURE NO.	GRATE EL.	PIPE INV. EL.	BTM. EL.	NORTHING	EASTING
CS-2	5.8	0.0	-1.0	1030264.54	893267.21
STR-5	5.0	0.0	-1.0	1030234.57	893256.00



SIDE SECTION



FRONT SECTION

CS-2 CONTROL STRUCTURE DETAIL%

N.T.S.



NO.	DATE	BY	REVISION
1			
2			
3			
4			
5			
6			
7			
8			

Martin County Board of County Commissioners
 MAPP ROAD TOWN CENTER
 WATER QUALITY CONTROL STRUCTURE
 DETAILS
 PALM CITY
 FLORIDA

SEAL	SCALE N.T.S.	DATE 4/13/17
	DRAWN BY P.JL	DESIGN BY P.JL
	DRAWING MRTC LE - CS2 3Details.dwg	SHEET NO
		3 OF 5

GENERAL NOTES:

1. STATIONING AND OFFSETS REFER TO THE CENTERLINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
 2. ALL RETURN RADII DIMENSIONS, STATIONS, OFFSETS, AND ELEVATIONS REFER TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 3. B.M. DATUM IS NATIONAL AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
 4. ANY EXISTING SECTION CORNER, QUARTER SECTION CORNER AND SURVEY CONTROL MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A MONUMENT IS IN DANGER OF BEING DISTURBED, THE CONTRACTOR SHALL HAVE A PROFESSIONAL LAND SURVEYOR REFERENCE IT PRIOR TO CONSTRUCTION, AND RESET IT AFTER CONSTRUCTION.
 5. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DISTURBED, AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, WITHOUT DELAY, BY TELEPHONE.
 6. ANY NAVD 88 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A MONUMENT IS IN DANGER OF BEING DISTURBED, THE CONTRACTOR SHOULD NOTIFY:
- MARK MAINTENANCE SECTION
 GEODETIC INFORMATION CENTER ATTN: N/CG-162
 ROCKVILLE, MARYLAND 20852
 TELEPHONE: 301-443-8319
7. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR IS ISSUED A "NOTICE TO PROCEED" FROM THE OWNER.
 8. CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES AS INDICATED IN FDOT STANDARD INDEXES 100, 101, 102, 103, 104 AND 105 WHERE NECESSARY IN ORDER TO COMPLY WITH ALL STATE, LOCAL AND NPDES WATER QUALITY STANDARDS.
 9. CONTRACTOR SHALL MAINTAIN TWO DIRECTIONS OF TRAFFIC AT ALL TIMES DURING CONSTRUCTION IN ACCORDANCE WITH FDOT INDEX NOS. 600 THRU 660 AND SHALL PROVIDE ALL BARRICADES, LIGHTING, SIGNAGE AND FLAGMEN AS NECESSARY TO PROVIDE FOR THE SAFETY OF THE PUBLIC IN THE AREA OF THE WORK. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FDOT ROADWAY & TRAFFIC DESIGN STANDARDS AND SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 10. EXISTING DRAINAGE STRUCTURES, PIPES AND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN, UNLESS OTHERWISE NOTED.
 11. DURING CONSTRUCTION, SHOULD ANY DRAINAGE STRUCTURES (INCLUDING PIPES) BE FOUND THAT ARE NOT SHOWN ON THE PLANS, NOTIFY THE ENGINEER IMMEDIATELY.
 12. EXISTING UTILITIES ARE TO BE ADJUSTED OR RELOCATED BY OTHERS AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
 13. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN ON THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNER(S) TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED.
 14. CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD OR UNDERGROUND UTILITIES.
 15. CONTRACTOR SHALL NOTIFY SUNSHINE STATE "ONE CALL" (1-800-432-4770) AND ALL AFFECTED UTILITIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION SO THAT A COMPANY REPRESENTATIVE MAY BE PRESENT.
 16. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION OF FIVE (5) FEET BETWEEN THE POLE AND ANY EXCAVATION.
 17. INTERSECTING ROADS AND DRIVEWAYS SHALL BE GRADED AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED ON THE PLANS.
 18. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES MAY EXTEND INTO THE COMPACTED SUBGRADE PORTION OF THE ROAD BED. EXTREME CAUTION WILL BE NECESSARY DURING COMPACTION OPERATIONS IN THESE LOCATIONS.
 19. CONCRETE PIPE CULVERT (R.C.P.) SHALL BE CLASS III, WALL B UNLESS OTHERWISE NOTED.
 20. ALL STORM STRUCTURE TOPS SHALL BE ADJUSTED AT TIME OF FINAL PAVEMENT CONSTRUCTION. FINAL ADJUSTMENT OF ALL TOPS SHALL BE THE RESPONSIBILITY OF THE UNDERGROUND CONTRACTOR.
 21. THE LENGTHS OF PIPE SHOWN HEREON HAVE BEEN DETERMINED BY CALCULATING THE DISTANCE BETWEEN THE "CENTERLINE" OF THE INLETS AND/OR MANHOLES.
 22. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
 23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING THE EXISTING PAVEMENT MARKINGS BEFORE RESURFACING WORK IS STARTED AND THIS INFORMATION SHALL BE USED IN CONJUNCTION WITH TEMPORARY STRIPING AND FINISHED STRIPING.
 24. EXCAVATED SOILS AND EXISTING ROCK BASE MAY BE USED FOR EMBANKMENT CONSTRUCTION PROVIDED THAT THE MATERIAL IS CLEAN FILL, FREE OF ORGANIC MATERIALS, ROOTS OR OTHER DELETERIOUS MATERIALS, AND CONFORMS WITH FDOT SPECIFICATIONS AND FDOT STANDARD INDEX 505.
 25. ANY BORROW MATERIAL REQUIRED FOR THE PROJECT SHALL BE FURNISHED BY THE CONTRACTOR FROM AREAS PROVIDED BY HIM, AND THE COST OF FURNISHING SUCH MATERIAL SHALL BE INCLUDED IN THE CONTRACT PRICE FOR EMBANKMENT (COMPACTED IN PLACE).
 26. ALL MUCK AND PLASTIC MATERIAL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT STANDARD INDEX 500.
 27. NONE OF THE EXISTING BASE THAT IS REMOVED DURING CONSTRUCTION SHALL BE USED IN THE CONSTRUCTION OF THE PROPOSED BASE, UNLESS AUTHORIZED BY THE ENGINEER.
 28. ALL VEGETATION, DEBRIS, PAVEMENT, CONCRETE OR OTHER UNSUITABLE MATERIALS SHALL BE LEGALLY DISPOSED OF OFF-SITE IN AN AREA PROVIDED BY THE CONTRACTOR.
 29. THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL NOR ENCROACH UPON THE EXISTING SURROUNDING WETLANDS. CONTRACTOR IS TO INSTALL SILT FENCES AND OTHER BEST MANAGEMENT PRACTICES TO MINIMIZE WETLAND IMPACTS. THESE MEASURES SHALL BE INSPECTED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
 30. ALL STRIPING SHALL BE IN ACCORDANCE WITH FDOT STANDARDS.
 31. PAVEMENT MARKING AND GEOMETRICS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
 32. GRATES WITHIN ANY ROADWAY RIGHT-OF-WAY SHALL COMPLY WITH FDOT SPECIFICATION INDEX No. 232.
 33. ALL CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH CURRENT FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS AND SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

SUMMARY OF QUANTITIES			
PAY ITEM	DESCRIPTION	UNIT	QTY.
120-6	Embankment	CY	7
425-1-561	Inlets, Ditch Bottom, Type E (<10')	EA	1
425-1-561	Inlets, Ditch Bottom, Modified Type E (<10')	EA	1
430-174-1	Pipe Culvert, RCP, Round, 24"	LF	32



NO.	DATE	REVISION	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Martin County Board of County Commissioners
 MAPP ROAD TOWN CENTER
 WATER QUALITY CONTROL STRUCTURE
 NOTES - QUANTITIES
 FLORIDA
 PALM CITY

SEAL	SCALE 1" = 50'	DATE 3/29/17
	DRAWN BY P.JL	DESIGN BY P.JL
	DRAWING MRTC-LE-CS2-4Notes.dwg	
PATRICK J. LACONTE, P.E. FLORIDA REG. NO. 41070	SHEET NO.	
DATE	4 OF 5	

BOARD OF COUNTY COMMISSIONERS:

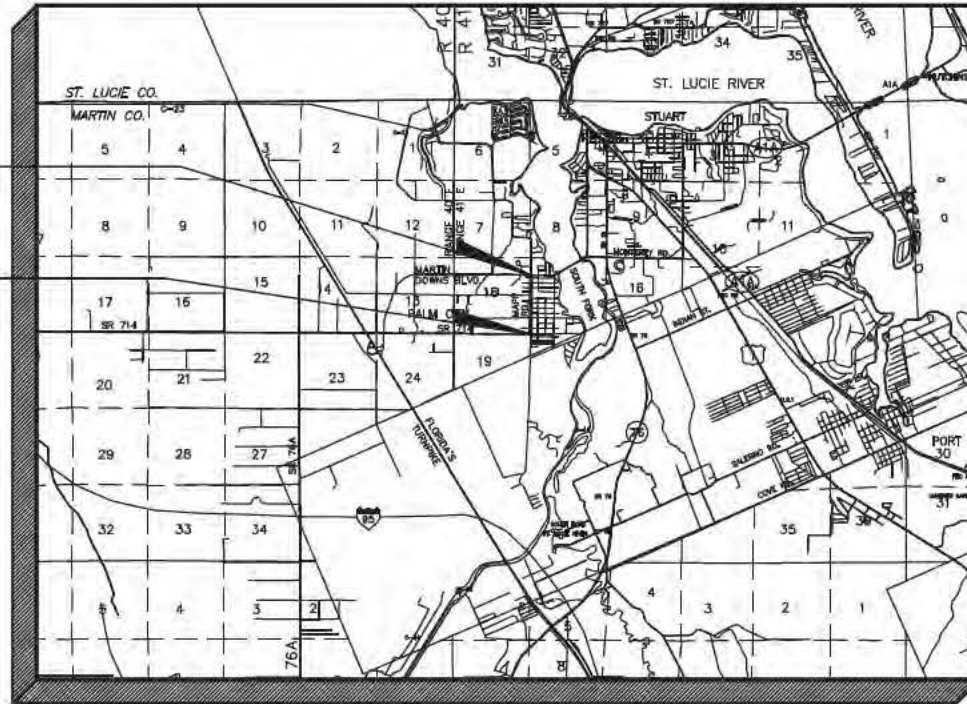
ANNE SCOTT COMMISSIONER
 JOHN HADDOX COMMISSIONER
 SARAH HEARD COMMISSIONER
 ED FIELDING COMMISSIONER
 DOUG SMITH COMMISSIONER

CONSTRUCTION PLANS FOR MAPP ROAD MULTI-MODAL ENHANCEMENTS FROM SW MARTIN HWY. TO SW MARTIN DOWNS BLVD.

FUNDED BY MARTIN COUNTY IN PART WITH FDOT'S
 LOCAL AGENCY PROGRAM GRANT FM # 435413-1-58-01



END PROJECT
 B STA 129+47.76
 BEGIN PROJECT
 B STA 161+20



LOCATION MAP

NOT TO SCALE



THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS, LATEST EDITION.

GOVERNING SPECIFICATIONS:
 FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM, 2016 EDITION

THE FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, 2016 EDITION.

THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS (GREENBOOK), MAY 2013 EDITION.

THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.), 2009 EDITION.

AND THE MARTIN COUNTY STANDARD DETAILS FOR ROAD AND SITE CONSTRUCTION AND PUBLIC FACILITIES, LATEST EDITION.

INDEX OF SHEETS

SHEET NO.	SHEET CONTENTS
1	COVER SHEET
2	TYPICAL SECTIONS
3	SUMMARY OF QUANTITIES • GENERAL NOTES
4	HORIZONTAL & VERTICAL CONTROL PLAN
5	PLAN LAYOUT KEY SHEET
6-12	ROADWAY PLAN & PROFILE
13	DRAINAGE STRUCTURE TABLE & DETAILS
14-22	ROADWAY CROSS SECTIONS
23-25	EROSION CONTROL PLAN
26-29	SIGNING & PAVEMENT MARKING PLANS

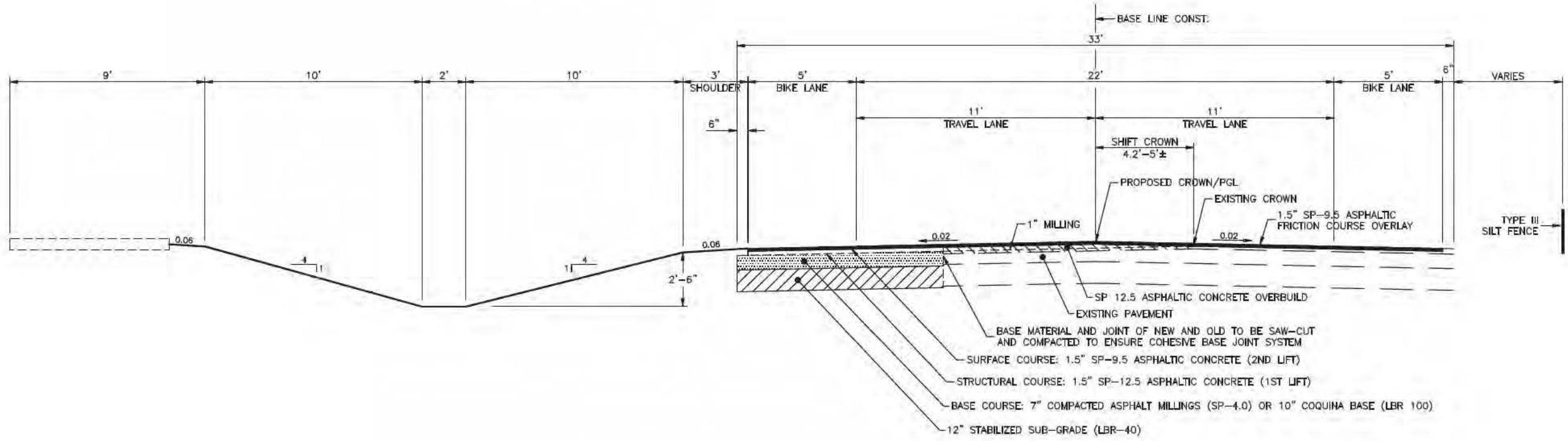
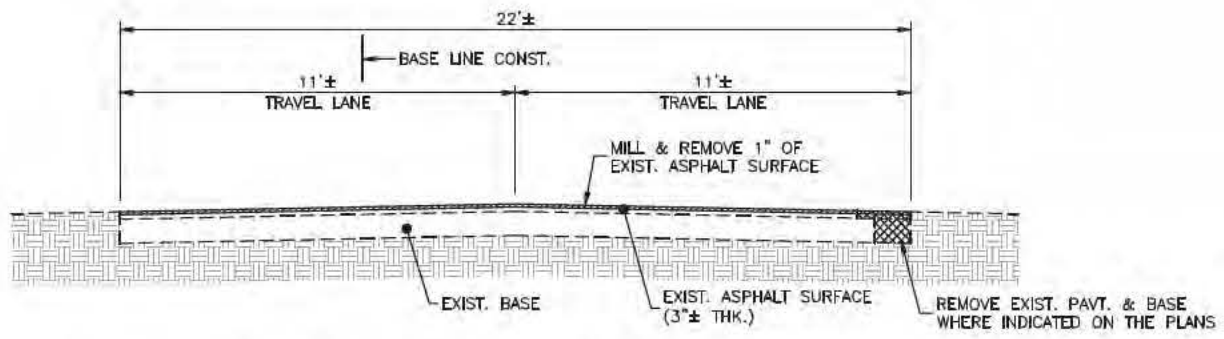
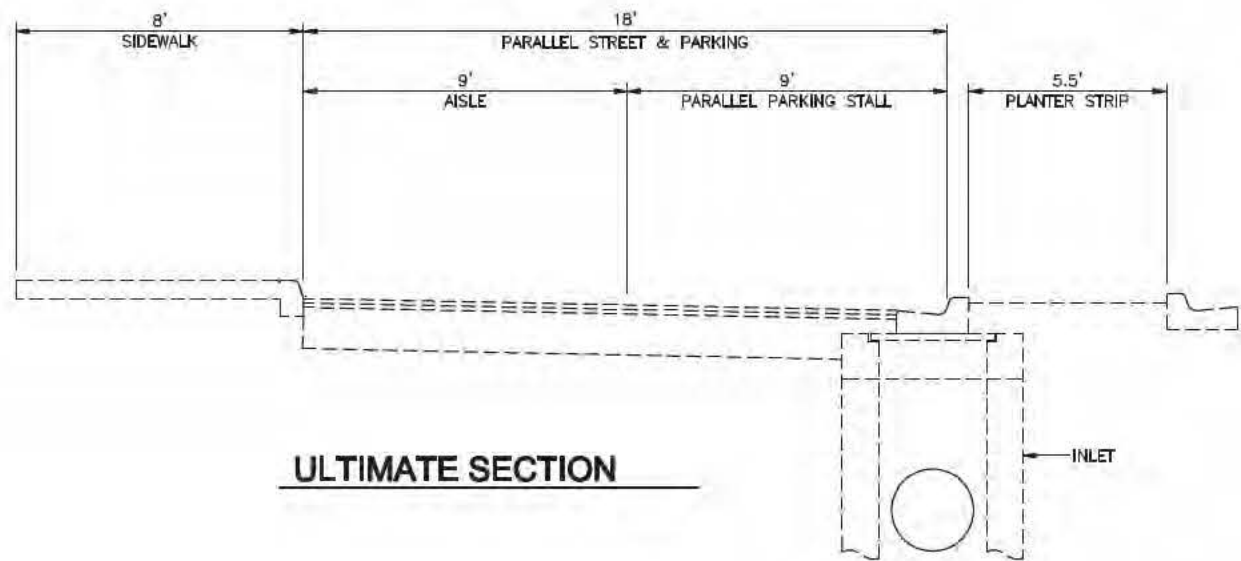


CALL 2 FULL BUSINESS DAYS
 BEFORE YOU DIG IN FLORIDA
1-800-432-4770
 IT'S THE LAW
 SUNSHINE STATE ONE CALL
 OF FLORIDA, INC.

C. CALVERT MONTGOMERY & ASSOCIATES, INC.

CONSULTING ENGINEERS
 959 S. FEDERAL HWY. - STUART, FLORIDA
 (561) 287-3636

REVISIONS			
MARK	DESCRIPTION	DATE	APPR



Note 1 - Type III Silt Fences shall be installed as shown on the drawings.

Note 2 - Install Bahia Sod in all areas disturbed by new construction, swales, etc.

MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

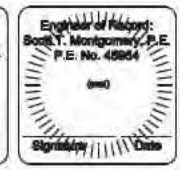
DESIGNED BY: BTM	DATE: 11.09.2018
DRAWN BY: DLB	CRD BY:
SUBMITTED BY: PJM	SOLICITATION NO.:
PLOT SCALE: MTS	CONTRACT NO.:
PLOT DATE:	FILE NUMBER:
DATE: MM/DD	FILE NAME:

MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

TYPICAL SECTIONS

C. CALYDIT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3536 (Fax) 772-220-2880



SHEET IDENTIFICATION
 2
 SHEET X OF X

SUMMARY OF QUANTITIES

Table with columns: PAY ITEM NO., DESCRIPTION, UNIT, TOTAL (PLAN, FINAL), REF. SHEET. Lists various construction items like Mobilization, Excavation, Paving, and Traffic Signs.

PAY ITEM FOOT NOTES

- 110- 1- 1 INCLUDES REMOVAL OF ASPHALT PAVT & BASE (879 SY), PIPES, BASINS & MITERED ENDS
110- 4 INCLUDES: REMOVAL OF CONC. CURB & GUTTER TYPE F 61 SY, REMOVAL OF CONC. SIDEWALK, 4" 582 SY, REMOVAL OF CONC. SIDEWALK, 6" 354 SY
706- 3 RPMs REQUIRED PER FDOT STANDARD INDEX 17362.
NOTE: THE COST OF TEMPORARY PAINTED PAVEMENT MARKINGS IS INCLUDED IN THE COST FOR THERMO-PLASTIC PAVEMENT MARKINGS.

GENERAL NOTES

- 1. ANY SURVEY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHOULD NOTIFY: NATIONAL GEODEIC SURVEY, NOAA
2. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE COUNTY SURVEYOR WITHOUT DELAY BY TELEPHONE.
3. GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.
4. B.M. DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88).
5. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND ADJUSTMENTS, AS REQUIRED.
6. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
7. UTILITY LOCATIONS MAY BE DETERMINED BY CALLING SUNSHINE ONE CALL (DIAL 811) AND THE SPECIFIC UTILITY COMPANIES.
8. THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED BY THE CONTRACTOR 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
9. STATION AND OFFSETS REFER TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
10. ONE DIGITAL COPY OF SIGNED SHOP DRAWINGS AND SIGNED AND SEALED DESIGN DATA SHALL BE SUBMITTED TO MARTIN COUNTY ENGINEERING DEPARTMENT PRIOR TO ORDERING MATERIALS. ALLOW 10 WORK DAYS TURNAROUND FOR SUBMITTALS.
11. PRIOR TO FINAL PAVING/GRAVING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ADJUSTMENT OF ALL MANHOLES, CATCH BASINS/INLETS, HYDRANTS, VALVE BOX COVERS, GRATES, CLEANOUTS, AND UTILITY APPURTENANCES, ETC., WITHIN THE AREA OF THE PROPOSED WORK, WHETHER THEY WERE CONSTRUCTED AS PART OF THE PROJECT OR WERE EXISTING PRIOR TO HIS WORK. SAID ADJUSTMENTS SHALL CONFORM TO THE FINISHED GRADE, SLOPE, PITCH AND CROWN OF THE SURROUNDING AREA, AS INDICATED ON THE PLANS AND AS CONSTRUCTED IN THE FIELD, WHETHER PAVED OR UNPAVED AND SHALL BE INCIDENTAL TO THE CONTRACT AND WILL NOT BE PAID FOR AS AN INDIVIDUAL LINE ITEM.
12. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS OF THE STATE HIGHWAY SYSTEM" (2017) AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (2017)
13. "INDEX" REFERS TO THE 2017 FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.
14. AT THE END OF EACH WORK PERIOD, ANY DROP-OFF IN THE AREA ADJACENT TO THE TRAVEL WAY SHALL BE BACKFILLED IN ACCORDANCE WITH STANDARD INDEX 600 OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRIER WALL AT THE CONTRACTOR'S EXPENSE.
15. EROSION AND POLLUTION CONTROL: THE CONTRACTOR SHALL TAKE SUFFICIENT PRECAUTIONS TO PREVENT WATER POLLUTION WITH AQUATIC WEEDS, FUELS, OILS, BITUMENS, CALCIUM CHLORIDE OR OTHER HARMFUL MATERIALS. ALSO, HE SHALL CONDUCT AND SCHEDULE HIS OPERATIONS SO AS TO AVOID POLLUTION OR SILTATION OF WATER BODIES OR TO INTERFERE WITH INDIGENOUS WILDLIFE. THE INSTALLATION OF TEMPORARY EROSION AND POLLUTION CONTROL FEATURES SHALL BE COORDINATED WITH THE CONTRACTOR'S PERMANENT EROSION CONTROL FEATURES TO THE EXTENT NECESSARY TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONTRACT. ANY EROSION OR SHOALING SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE. SOD SHALL BE PROVIDED AS SHOWN ON THE PLANS, INCLUDING BUT NOT LIMITED TO, ALL DISTURBED AREAS, UTILITY CONSTRUCTION, SLOPES AND AREAS ASSOCIATED WITH THE DRY RETENTION AREAS AND SWALES. ALL CONSTRUCTION METHODS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 570, DOT SPECIFICATIONS, FOR ARGENTINE BARRIA SOD AND SHALL INCLUDE WATERING UNTIL FINAL ACCEPTANCE OF THE PROJECT.
WATER POLLUTION AND TURBIDITY CONTROL SHALL BE REQUIRED BY THE CONTRACTOR IN ACCORDANCE WITH THE DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARDS, LOCAL REGULATIONS AND SECTION 104, FDOT REQUIREMENTS INCLUDING BUT NOT LIMITED TO ONE OR MORE OF THE FOLLOWING OPTIONS: SHEET PILE OR EARTH COFFERDAM, HAY BALES, SEDIMENT BASIN, SILT FENCE OR TURBIDITY BARRIER. EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN CANALS, PRESERVE AREAS OR IN A POSITION CLOSE ENOUGH THERETO, TO BE WASHED AWAY BY HIGH WATER OR RUNOFF.



MARTIN COUNTY ENGINEERING
2401 SE MONTEREY ROAD
STUART, FLORIDA 34996
PHONE: (772) 288-5927
FAX: (772) 288-5955
www.martin.fl.us

DESIGNED BY: BTM DATE: 12/08/2016
OWN BY: CRD BY: SOLICITATION NO.:
SUBMITTED BY: PJB CONTRACT NO.:
PLOT SCALE: PLOT DATE: FILE NUMBER:
DATE: FILE NAME:
AVID ID

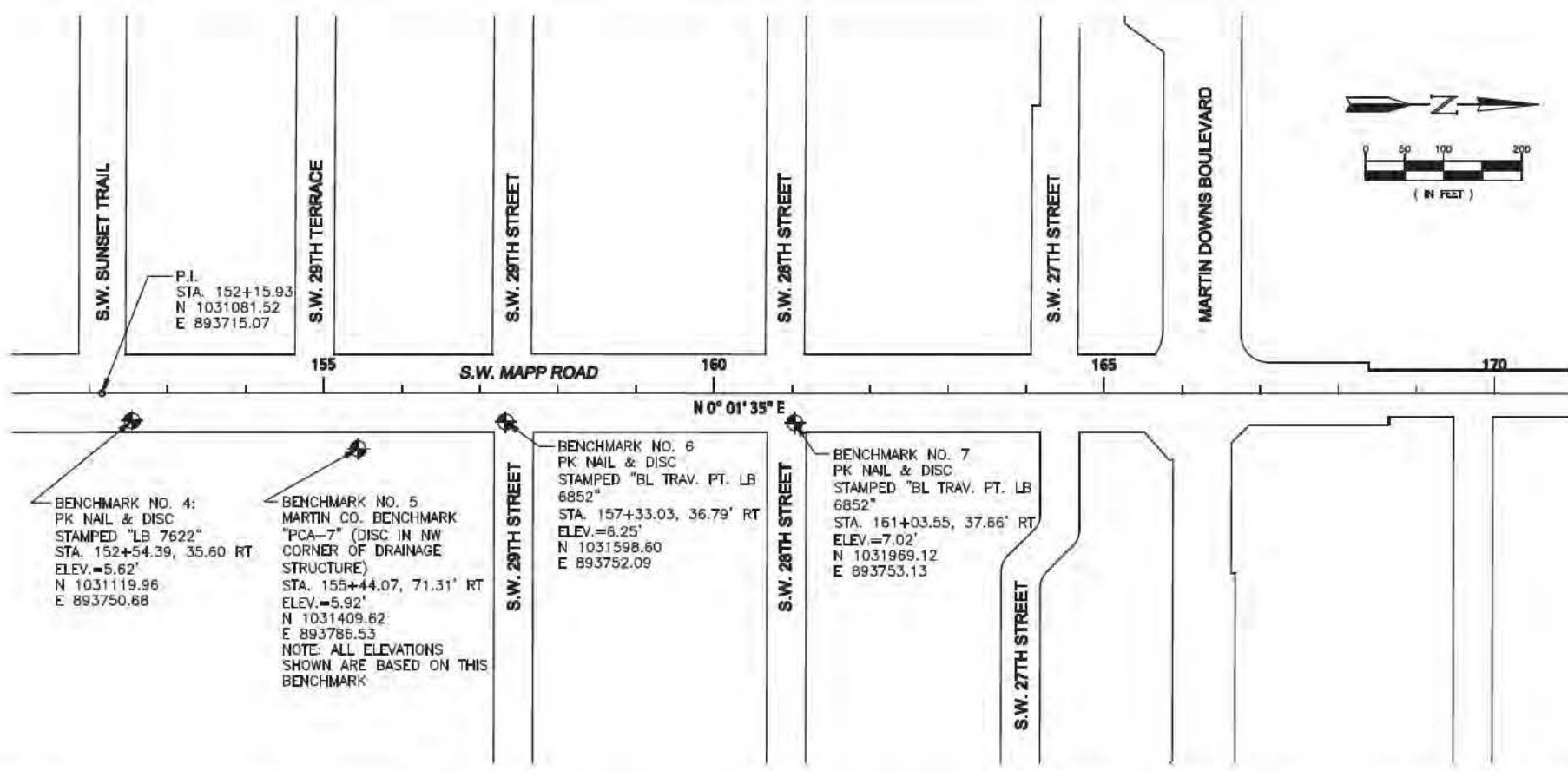
Table with columns: MARK, DESCRIPTION, DATE, APPR. (Approval table)

SW MAPP ROAD
MULTI-MODAL ENHANCEMENTS
MARTIN COUNTY, FLORIDA
SUMMARY OF QUANTITIES • GENERAL NOTES

G. CALYDIE MONTGOMERY & ASSOCIATES, INC.
Engineers
P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
(Tel) 772-287-3538 (Fax) 772-220-1880



SHEET IDENTIFICATION
3
SHEET 3 OF 28



NOTE: HORIZONTAL LOCATIONS WERE DERIVED FROM PLANS FOR MAPP ROAD PREPARED BY KIMLEY HORN ENGINEERS FOR MARTIN COUNTY COMMUNITY DEVELOPMENT DEPT., DATED 6/18/2015 AND FROM FIELD WORK TO CONFIRM HORIZONTAL AND VERTICAL DATA BY C. CALVERT MONTGOMERY & ASSOCIATES ON OCTOBER 4, 2016.



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.03.2016
DRAWN BY: DLB	CRD BY: DLB
SUBMITTED BY: PJM	CONTRACT NO.:
PLOT SCALE: MTS	PLOT DATE:
SIZE: ANSI D	FILE NAME:

MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

HORIZONTAL & VERTICAL CONTROL PLAN

C. CALVERT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880

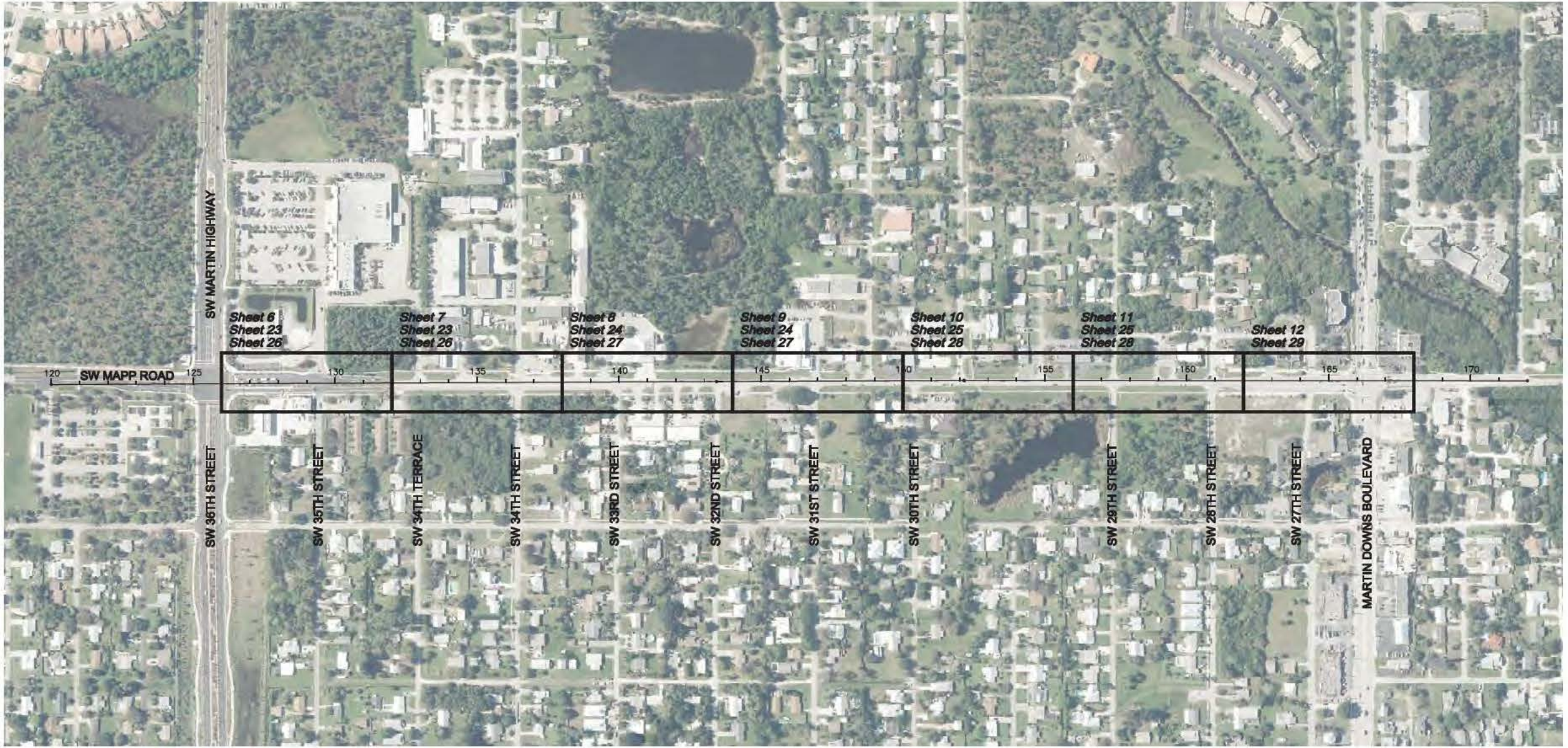
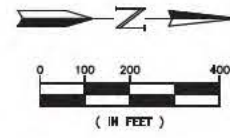


Scott T. Montgomery, P.E.
 P.E. No. 45864

SHEET IDENTIFICATION

4

SHEET X OF X




MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: STM	DATE: 11.10.2018
DWN BY: DLB	CRD BY:
SUBMITTED BY: PUB	SOLICITATION NO.:
PLOT SCALE: NTS	CONTRACT NO.:
FILE NAME:	FILE NUMBER:
ANSI D	

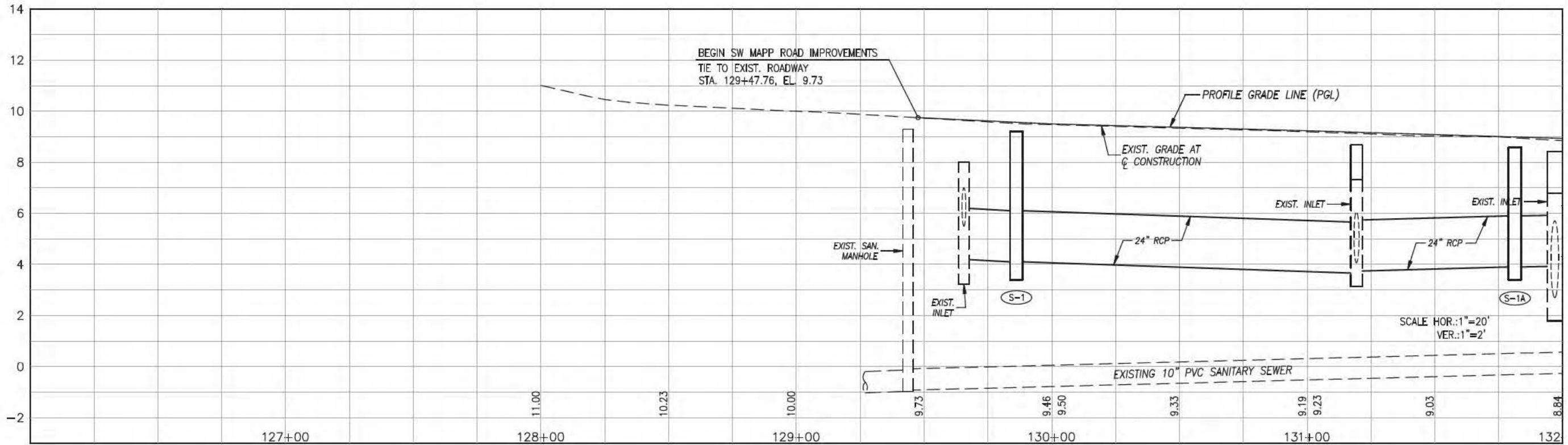
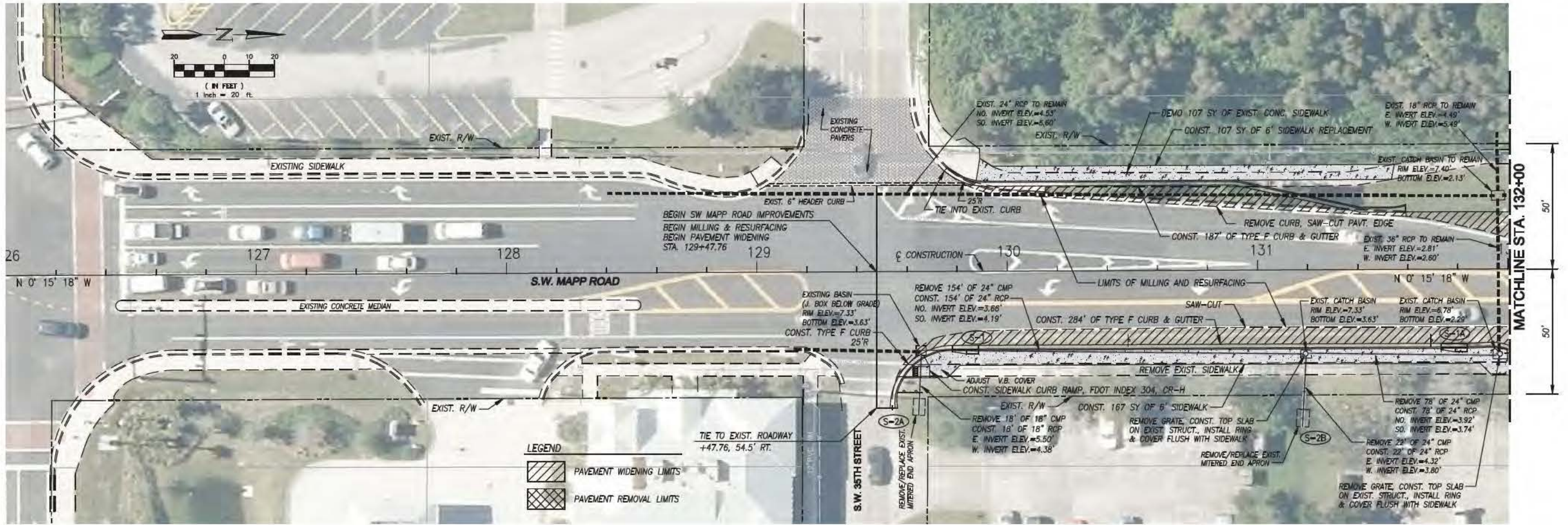
MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
 PLAN LAYOUT SHEET**

C. CALVERT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (772) 772-287-3636 (Fax) 772-220-0580

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 46884
 (Seal)
 Signature: _____ Date: _____

SHEET IDENTIFICATION
5
 SHEET X OF X



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.10.2018
DRAWN BY: DLB	CHECKED BY: SOLICITATION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	FILE NUMBER:
SIZE: ANSI D	FILE NAME:
	DATE

MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

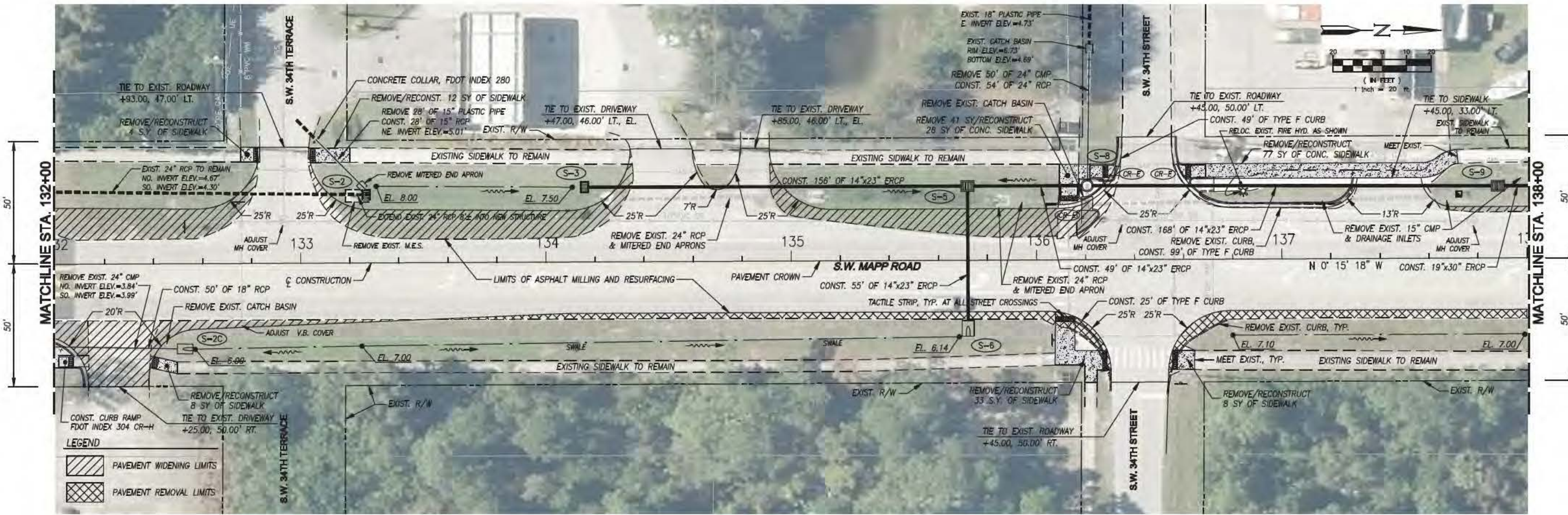
ROADWAY PLAN & PROFILE

C. CALVERT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (772) 772-287-3836 (Fax) 772-220-0580

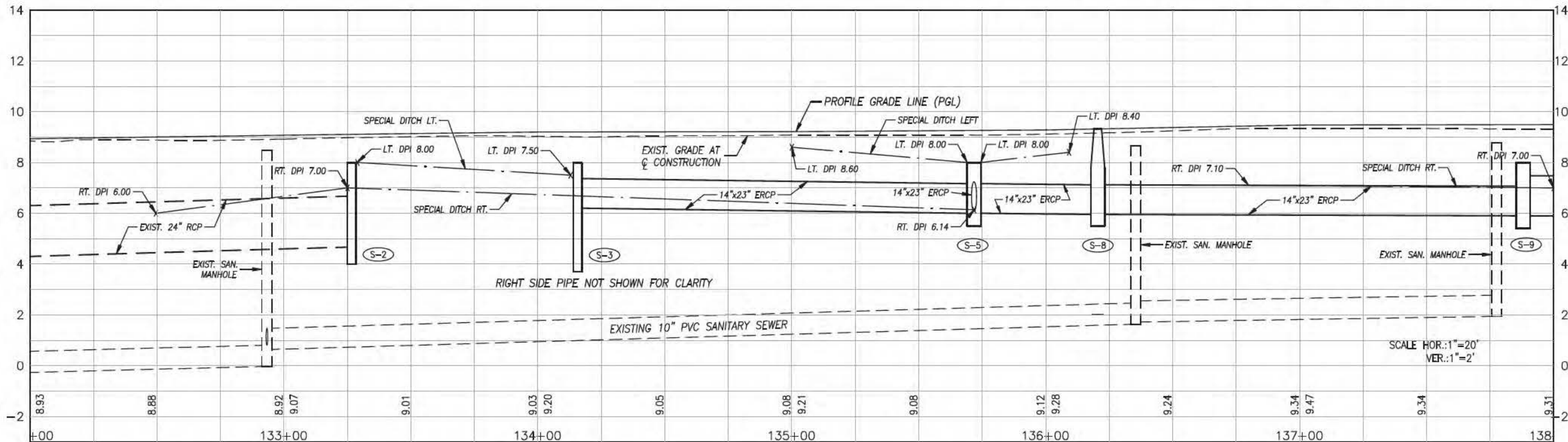
Scott T. Montgomery, P.E.
 P.E. No. 45864

Signature: _____ Date: _____

SHEET IDENTIFICATION
 6
 SHEET X OF X



NOTE: PIPE LENGTHS SHOWN WITH MITERED ENDS DO NOT INCLUDE PIPE QUANTITY TO BE PAID FOR UNDER UNIT PRICE FOR MITERED END SECTIONS



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.10.2016
DRAWN BY: DLB	CRD BY:
SUBMITTED BY: PUB	SOLICITATION NO.:
PLOT SCALE: MTS	CONTRACT NO.:
FILE NAME:	FILE NUMBER:

MARK	DESCRIPTION	DATE	APPR.

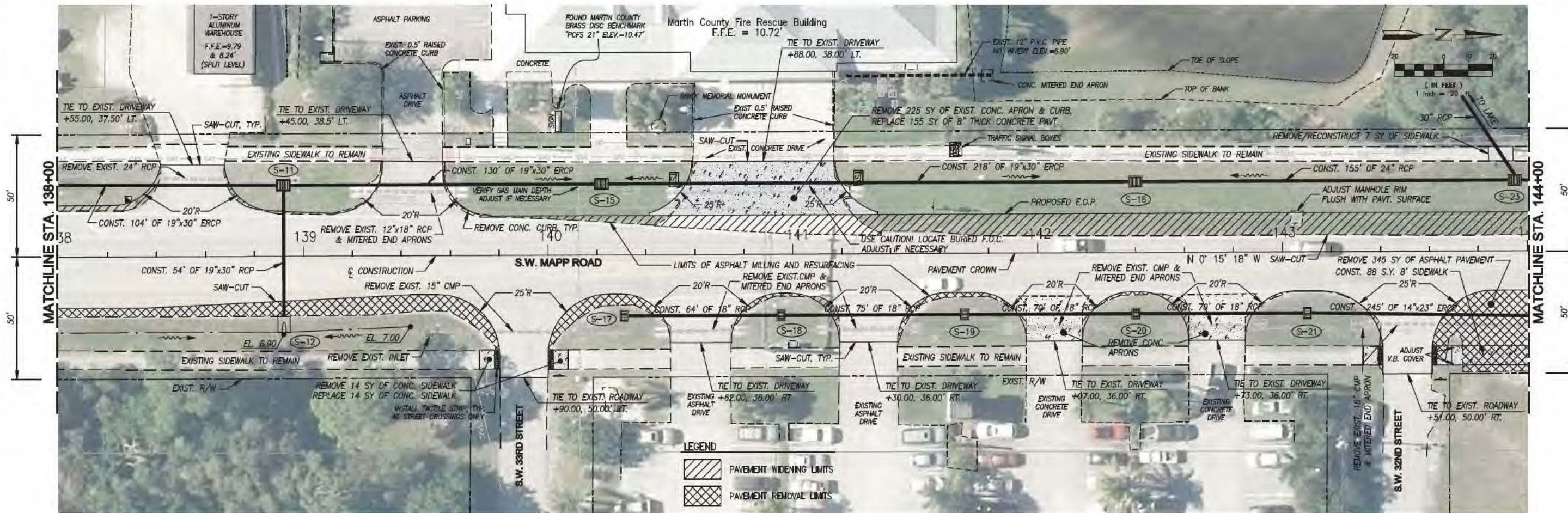
**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

ROADWAY PLAN & PROFILE

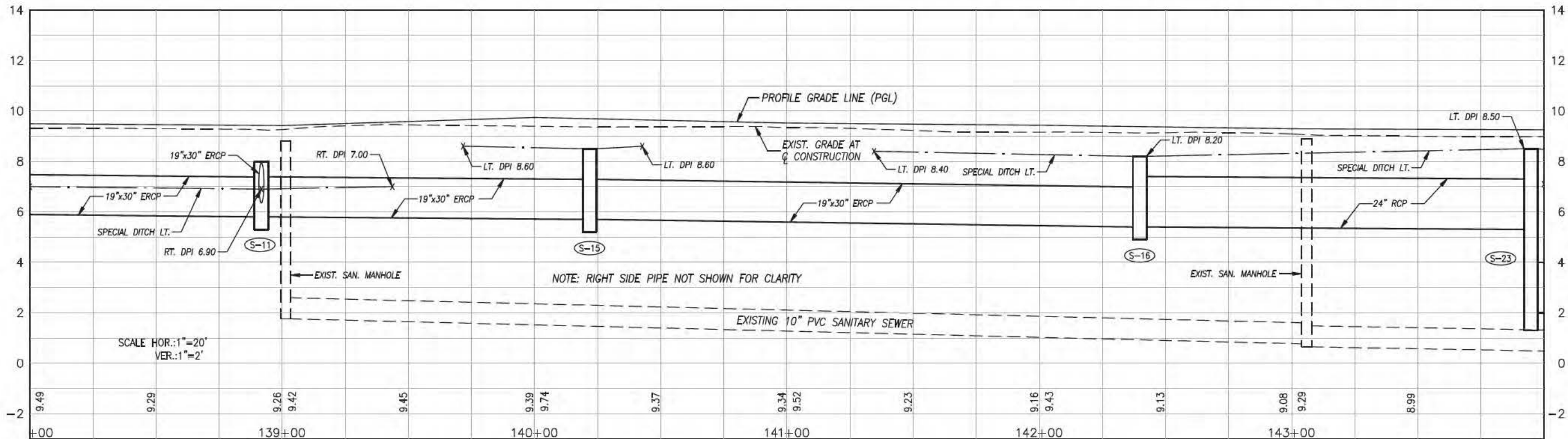
C. CALVERT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-0580

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45864

SHEET IDENTIFICATION
 7
 SHEET X OF X



NOTE: PIPE LENGTHS SHOWN WITH MITERED ENDS DO NOT INCLUDE PIPE QUANTITY TO BE PAID FOR UNDER UNIT PRICE FOR MITERED END SECTIONS



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.10.2018
DRAWN BY: DLB	SOLICITATION NO.:
GRD BY:	CONTRACT NO.:
SUBMITTED BY: PUB	FILE NUMBER:
PLOT SCALE: MTS	FILE NAME:
ANN D	

MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

ROADWAY PLAN & PROFILE

C. CALVERT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-0580

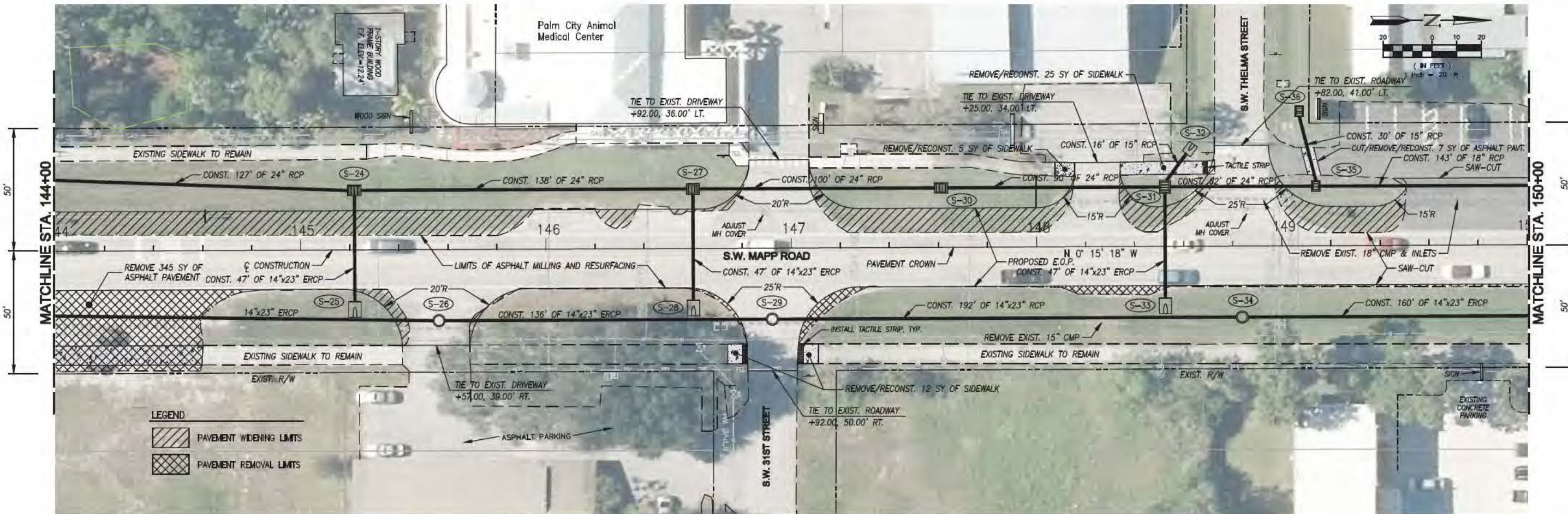
Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45864

Signature: _____ Date: _____

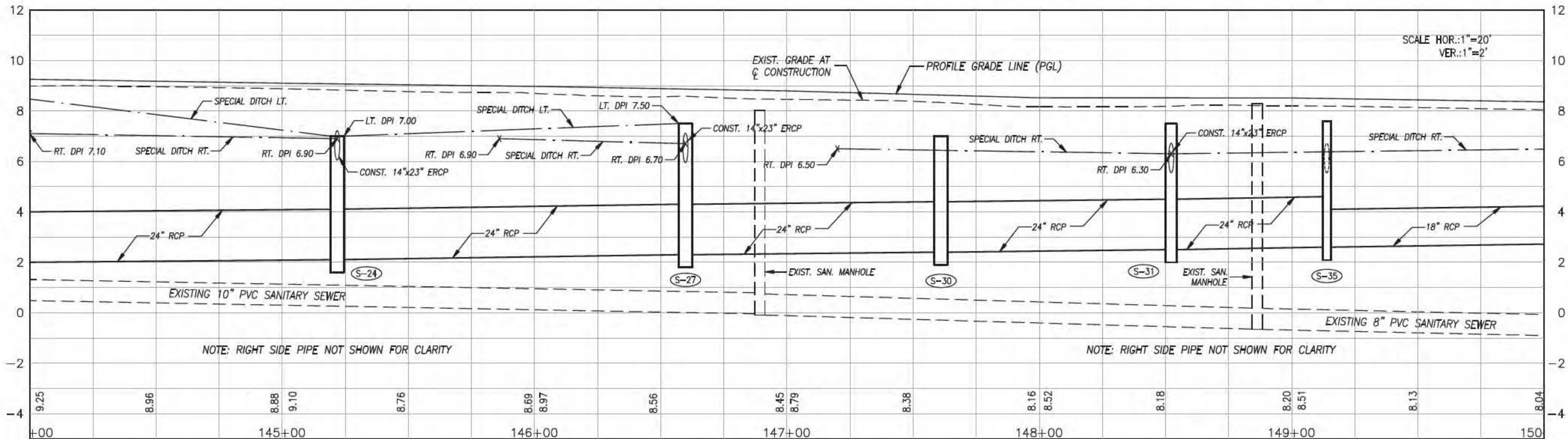
SHEET IDENTIFICATION

8

SHEET X OF X



NOTE: PIPE LENGTHS SHOWN WITH MITERED ENDS DO NOT INCLUDE PIPE QUANTITY TO BE PAID FOR UNDER UNIT PRICE FOR MITERED END SECTIONS



NOTE: RIGHT SIDE PIPE NOT SHOWN FOR CLARITY

NOTE: RIGHT SIDE PIPE NOT SHOWN FOR CLARITY

MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.03.2018
DRAWN BY: DLB	SOLICITATION NO.:
CRD BY:	CONTRACT NO.:
SUBMITTED BY: PUB	FILE NUMBER:
PLOT SCALE: MTS	FILE NAME:
DATE: APR 11 2019	

MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

ROADWAY PLAN & PROFILE

C. CALVERT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (772) 772-287-3636 (Fax) 772-220-0580

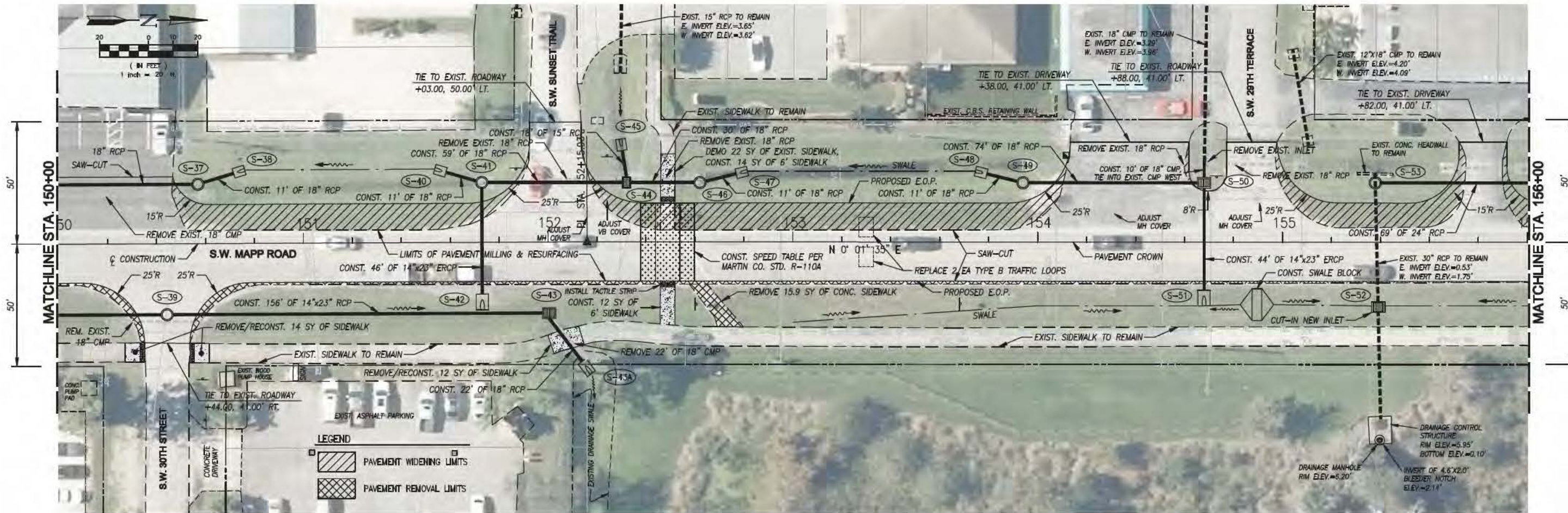
Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45864

Signature: _____ Date: _____

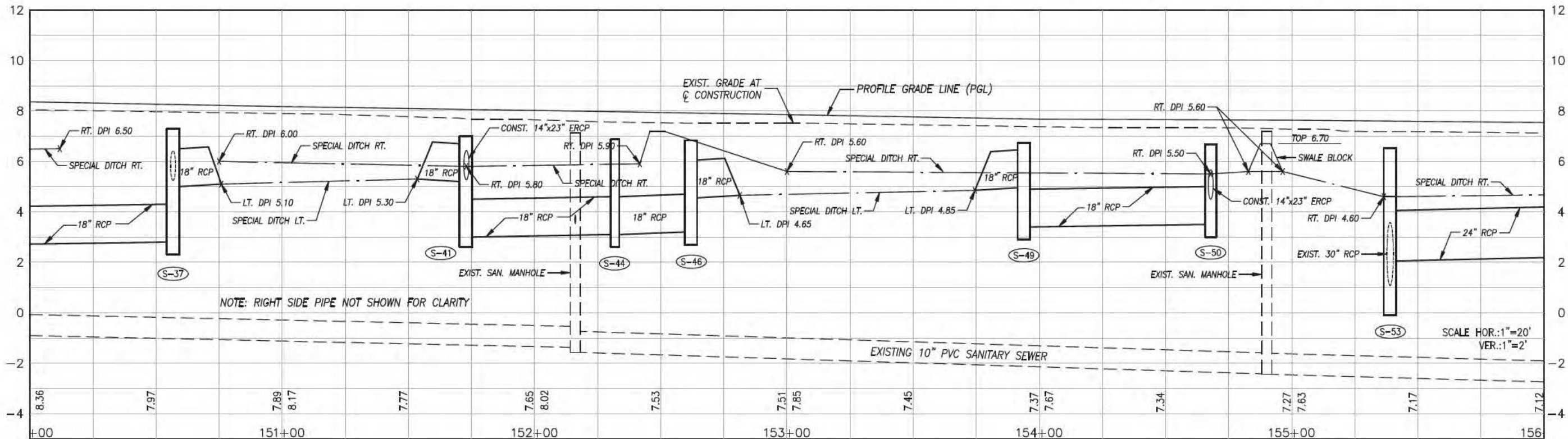
SHEET IDENTIFICATION

9

SHEET X OF X



NOTE: PIPE LENGTHS SHOWN WITH MITERED ENDS DO NOT INCLUDE PIPE QUANTITY TO BE PAID FOR UNDER UNIT PRICE FOR MITERED END SECTIONS



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.10.2018
DRAWN BY: DLB	SUBMITTAL NO.:
CHECKED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	FILE NUMBER:
SIZE: ANSI D	FILE NAME:

MARK	DESCRIPTION	DATE	APPR.

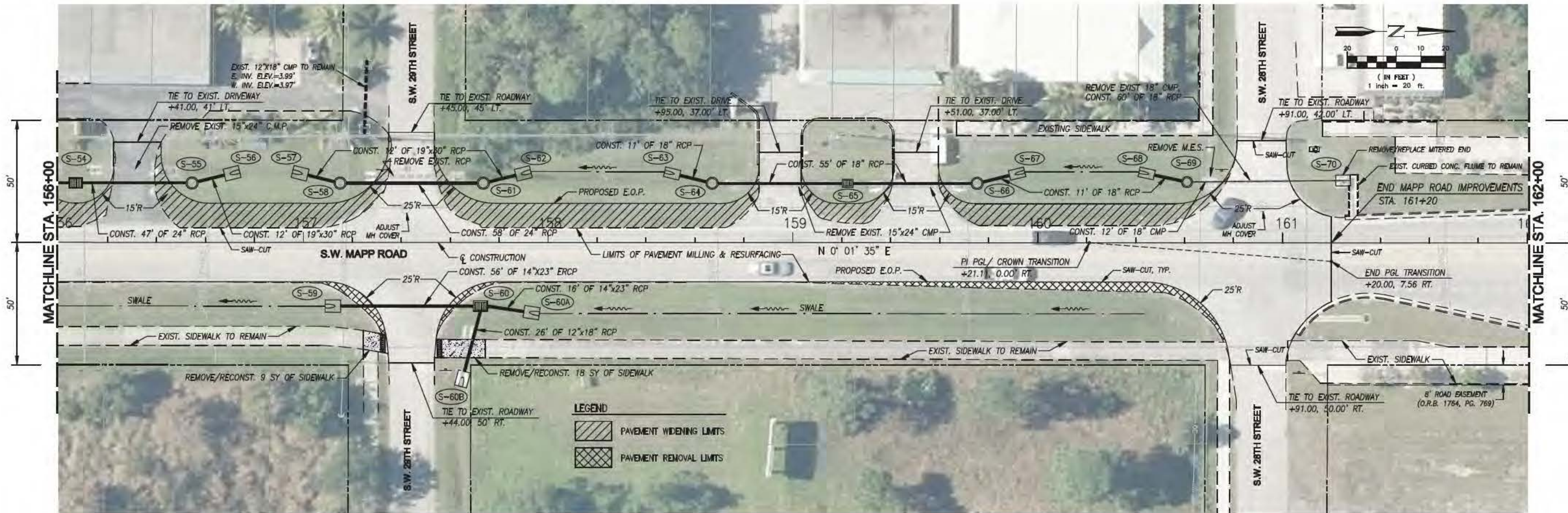
**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

ROADWAY PLAN & PROFILE

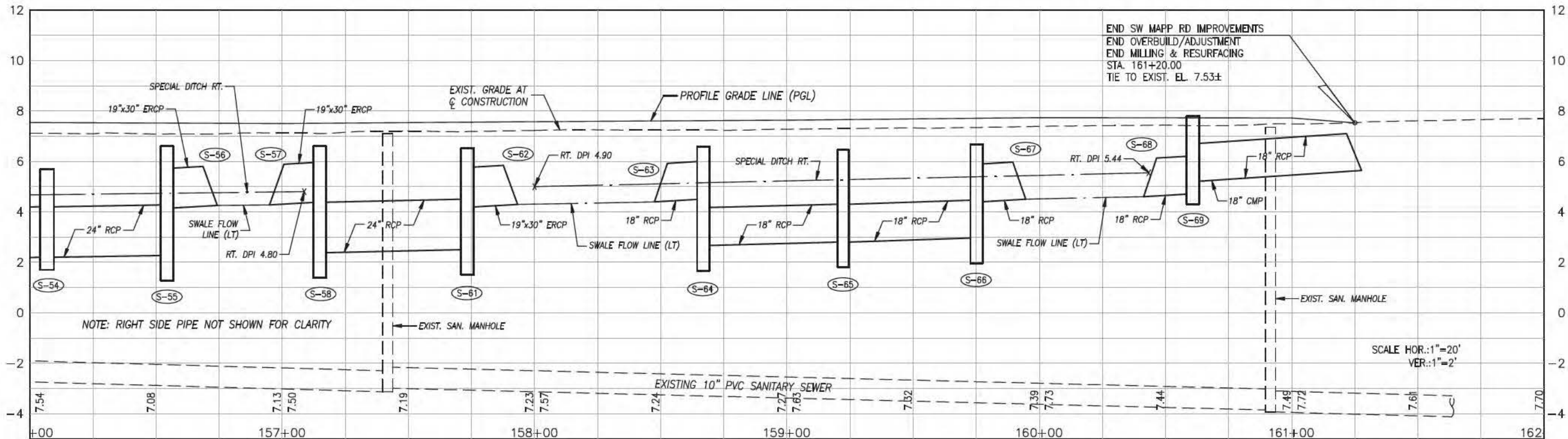
C. CALVERT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-0580

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45864

SHEET IDENTIFICATION
 10
 SHEET X OF X



NOTE: PIPE LENGTHS SHOWN WITH MITERED ENDS DO NOT INCLUDE PIPE QUANTITY TO BE PAID FOR UNDER UNIT PRICE FOR MITERED END SECTIONS



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.03.2018
DRAWN BY: DLB	CRD BY: SOLICITATION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	PLOT DATE: FILE NUMBER:
SIZE: ANSI D	FILE NAME:

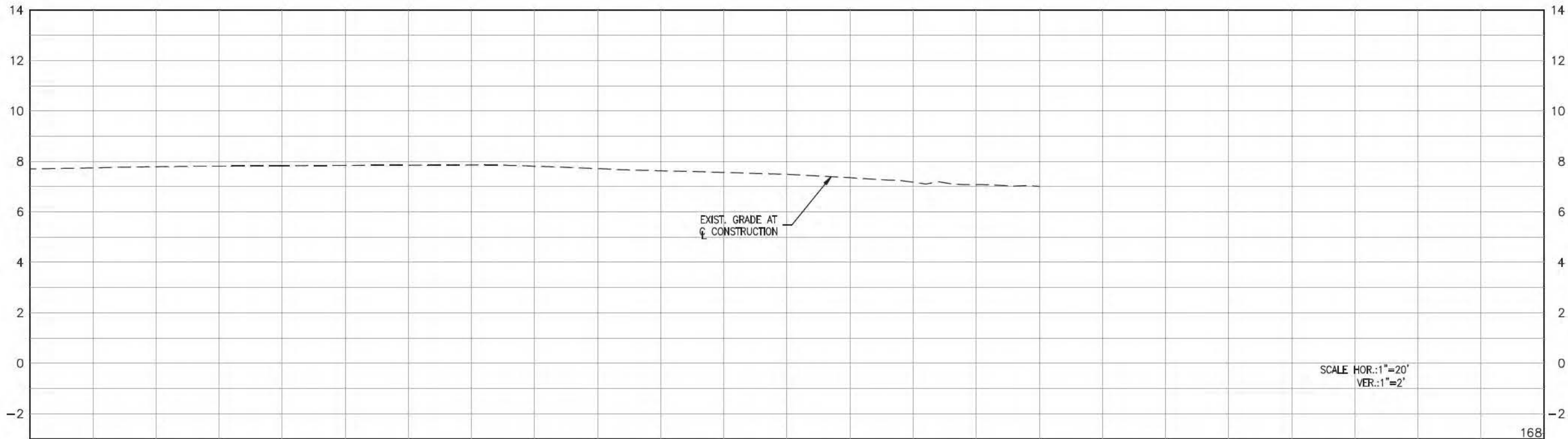
MARK	DESCRIPTION	DATE	APPR.

**SW MAPPA ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
 ROADWAY PLAN & PROFILE**

C. CALVERT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (781) 772-287-3836 (Fax) 772-220-0580

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45884

SHEET IDENTIFICATION
 11
 SHEET X OF X



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: STM	DATE: 11.10.2018
DRAWN BY: DLB	CRD BY:
SUBMITTED BY: PUB	SOLICITATION NO.:
PLOT SCALE: NTS	CONTRACT NO.:
FILE NAME:	FILE NUMBER:
APP'D:	DATE:

MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
 ROADWAY PLAN & PROFILE**

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (772) 772-287-3636 (Fax) 772-220-0580

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45984
 (Seal)
 Signature: _____ Date: _____

SHEET IDENTIFICATION
12
 SHEET X OF X

TABLE OF DRAINAGE STRUCTURES

Table with columns: MARK, DESCRIPTION, F.D.O.T. INDEX, RIM/GRATE EL., INVERT ELEV. (N, E, S, W), BOTTOM, REMARKS. Rows include various drainage structures like curb inlets, manholes, and DBI types.

TABLE OF DRAINAGE STRUCTURES (Continued)

Table with columns: MARK, DESCRIPTION, F.D.O.T. INDEX, RIM/GRATE EL., INVERT ELEV. (N, E, S, W), BOTTOM, REMARKS. Continuation of the drainage structures table.

MARTIN COUNTY ENGINEERING logo and contact information: 2401 SE MONTEREY ROAD, STUART, FLORIDA 34996.

DESIGNED BY: BTM, DATE: 08.16.2018, SUBMITTED BY: PJB, FILE NUMBER: [blank]

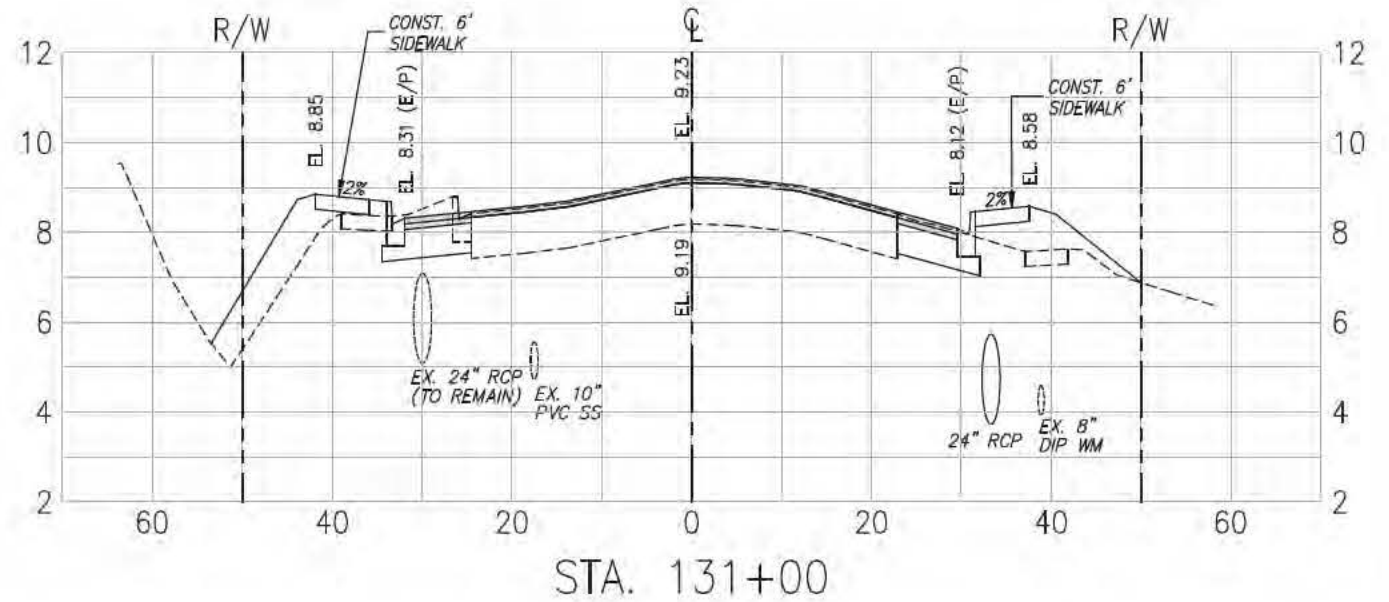
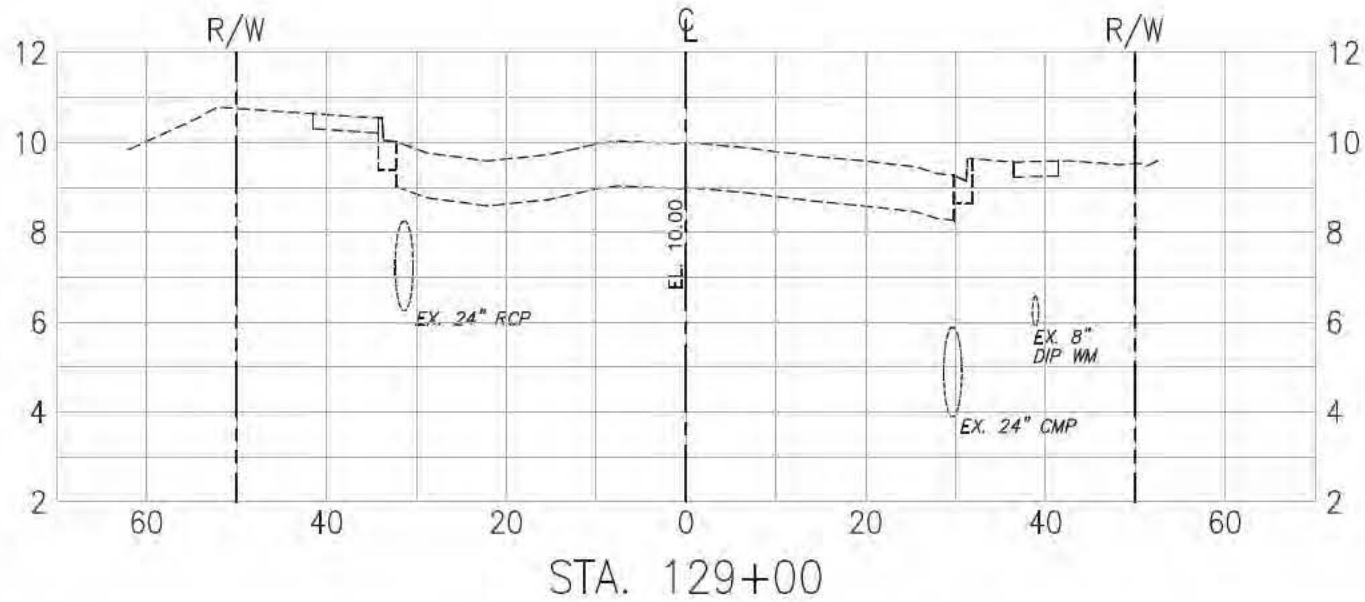
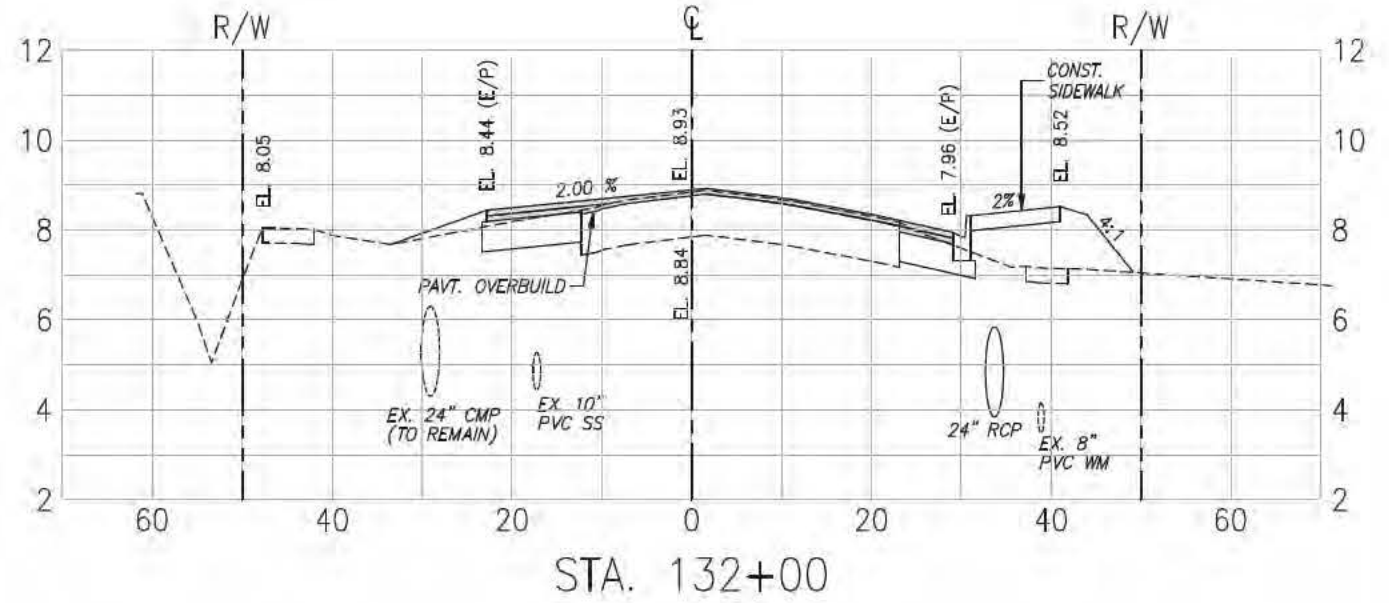
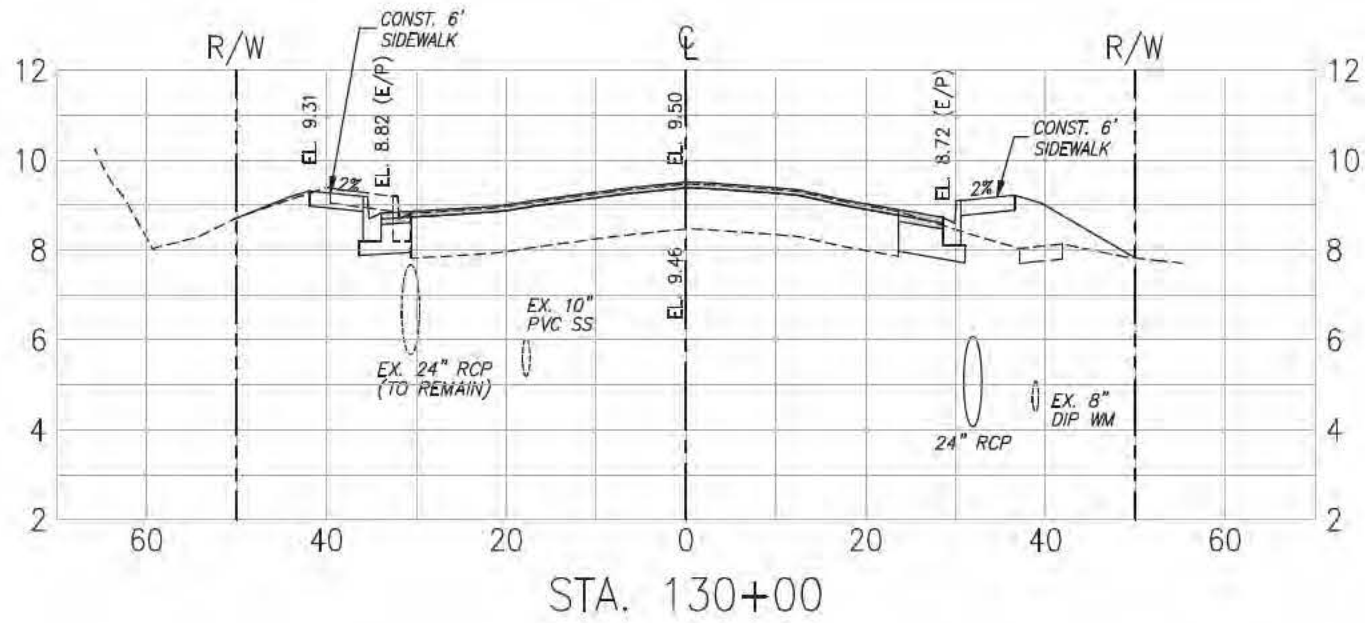
MARK, DESCRIPTION, DATE, APPR. grid for project details.

SW MAPP ROAD MULTI-MODAL ENHANCEMENTS MARTIN COUNTY, FLORIDA TABLE OF DRAINAGE STRUCTURES

G. CALYDIE MONTGOMERY & ASSOCIATES, INC. Engineers. P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34985

Professional Engineer seal for Scott T. Montgomery, P.E. No. 45864.

SHEET IDENTIFICATION 13 SHEET X OF X



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.09.2018
DWN BY: DLB	SOLICITATION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	FILE NUMBER:
SIZE: ANSI D	FILE NAME:

MARK	DESCRIPTION	DATE	APPR.

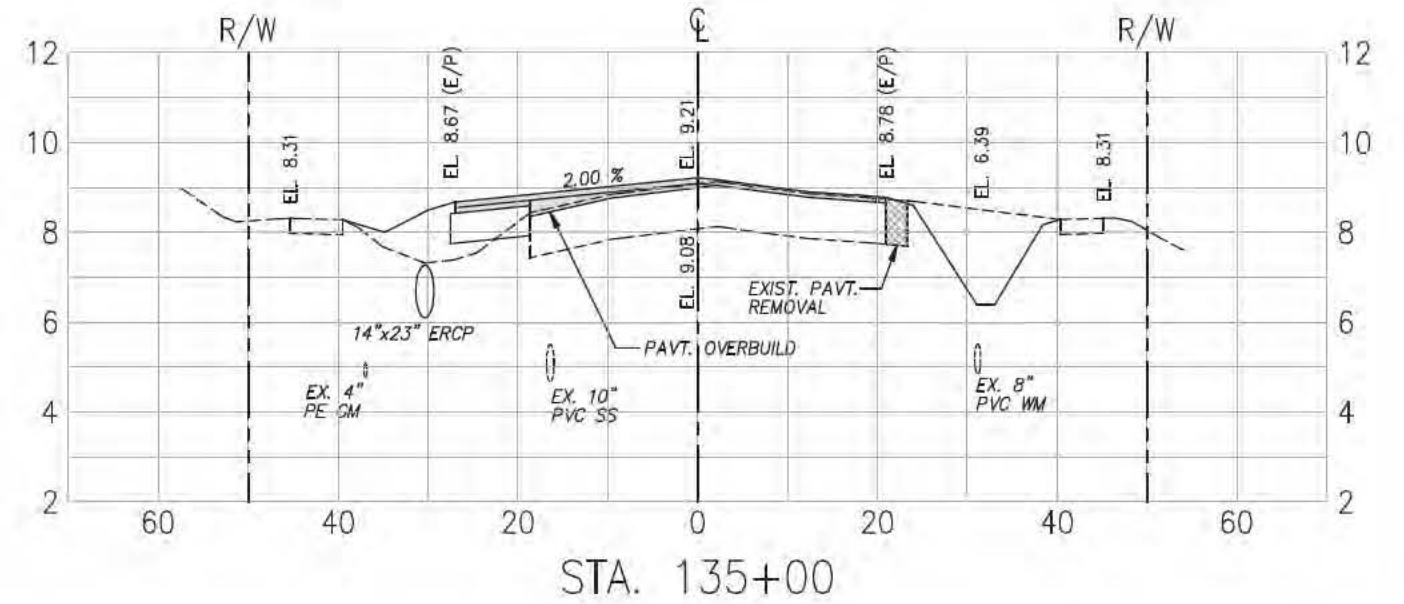
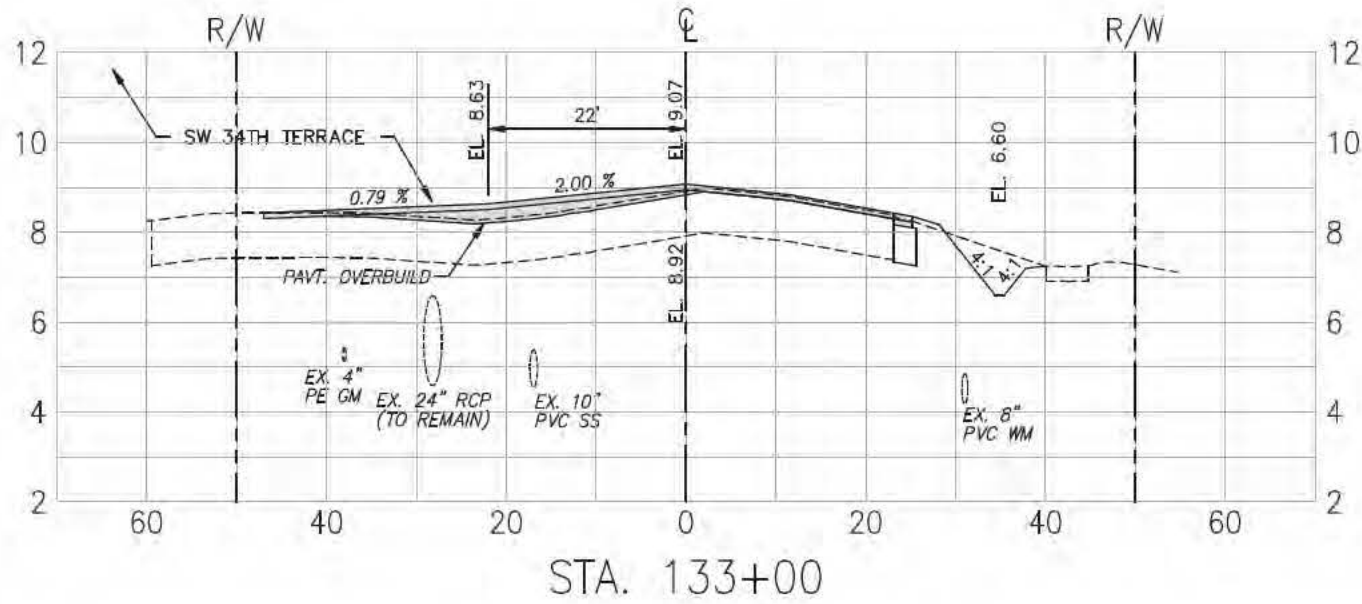
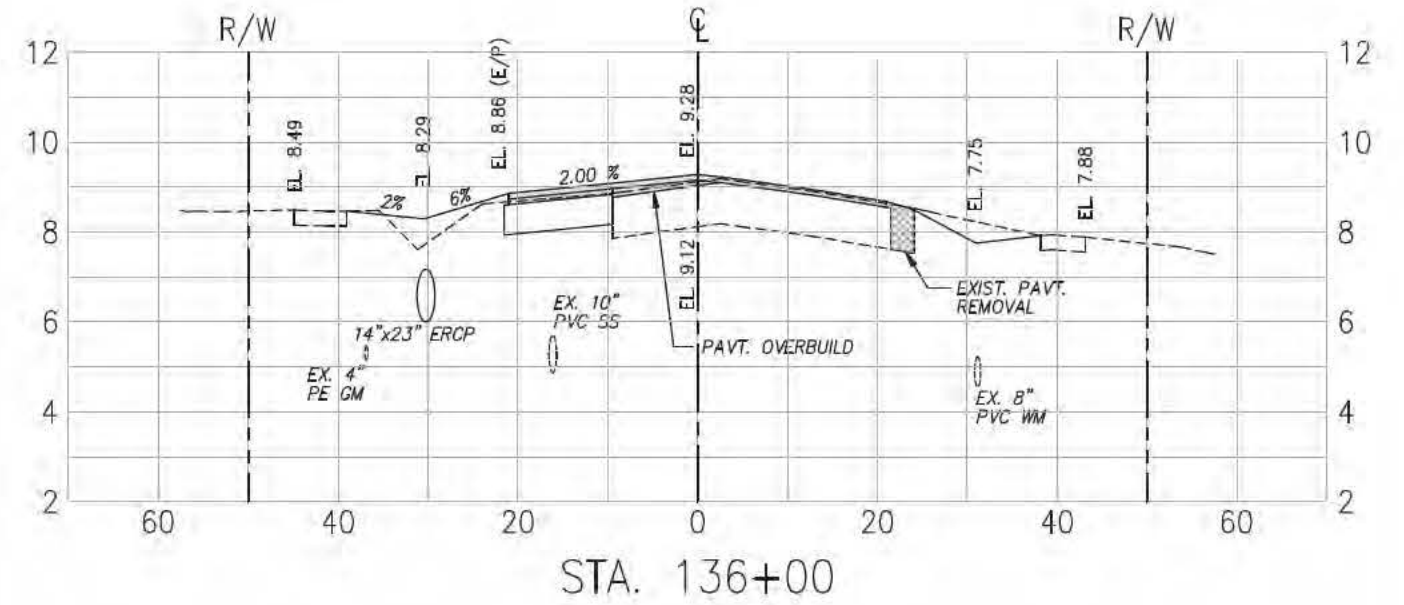
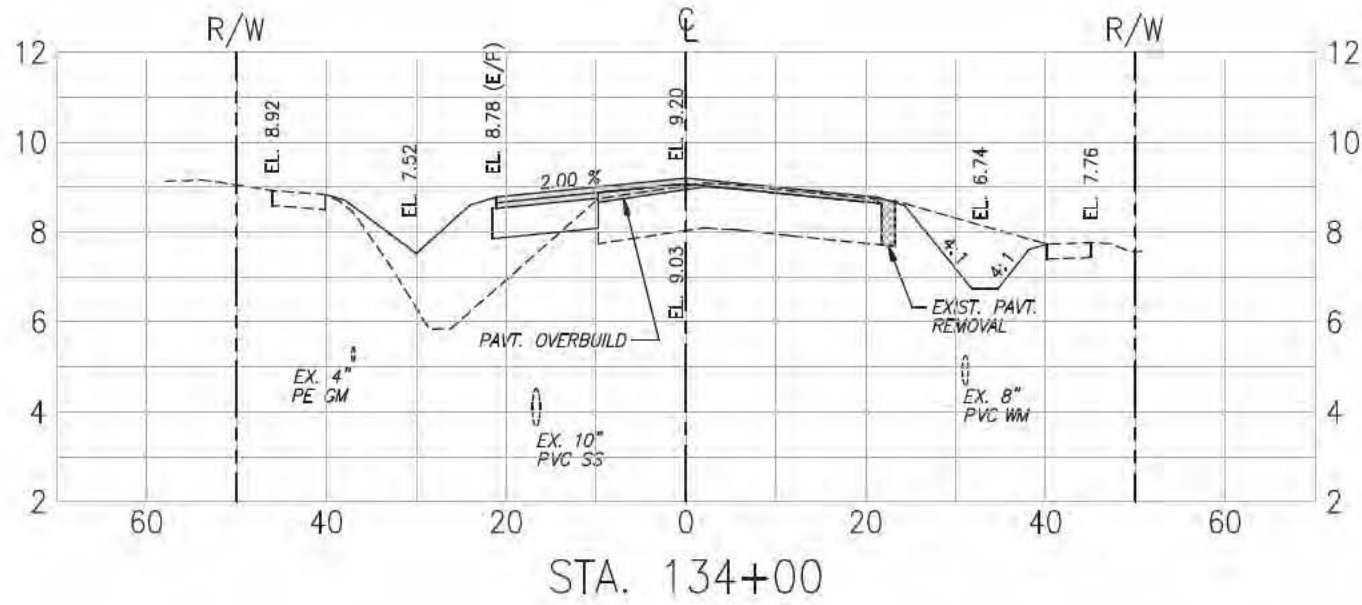
**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

CROSS SECTIONS

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880



SHEET IDENTIFICATION
14
SHEET 14 OF 18



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.08.2018
DRAWN BY: DLB	CRD BY:
SUBMITTED BY: PUB	SOLICITATION NO.:
PLOT SCALE: MTS	CONTRACT NO.:
FILE NAME:	FILE NUMBER:
APP ID:	

MARK	DESCRIPTION	DATE	APP.

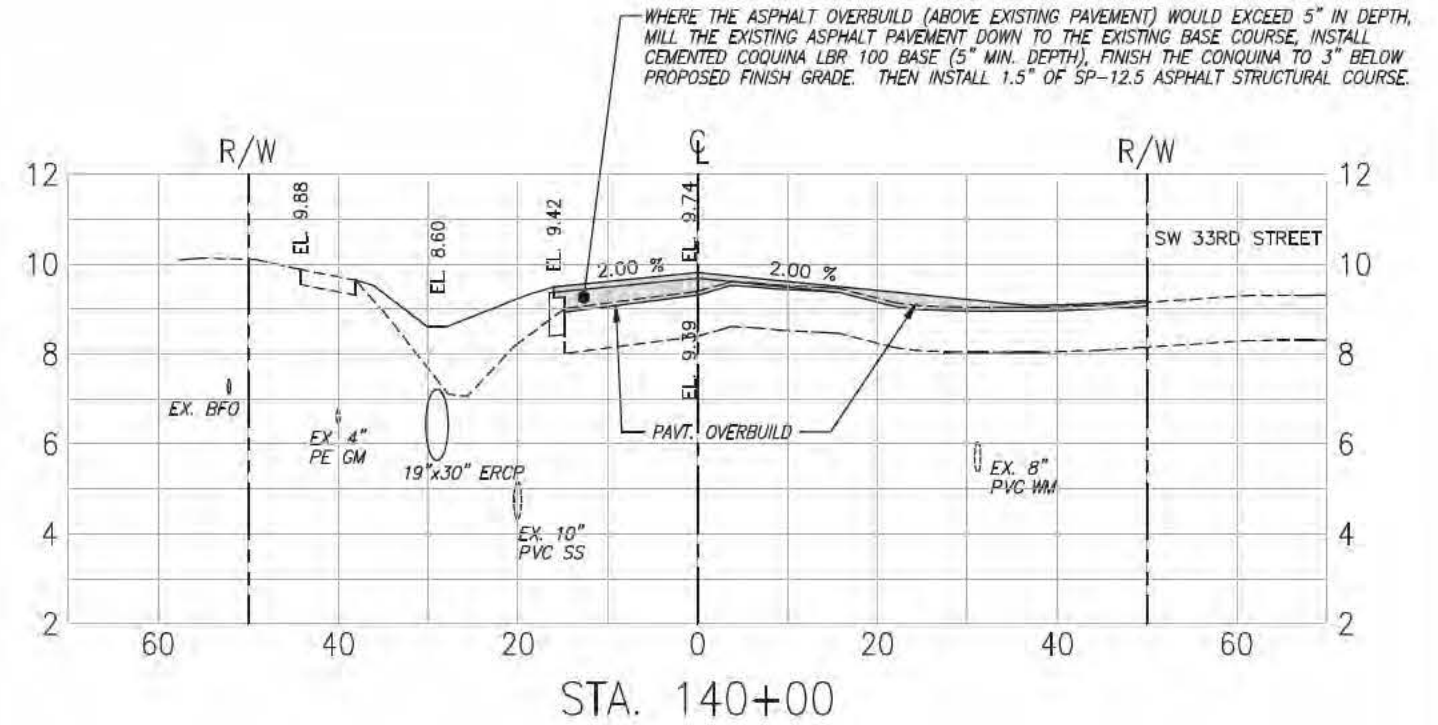
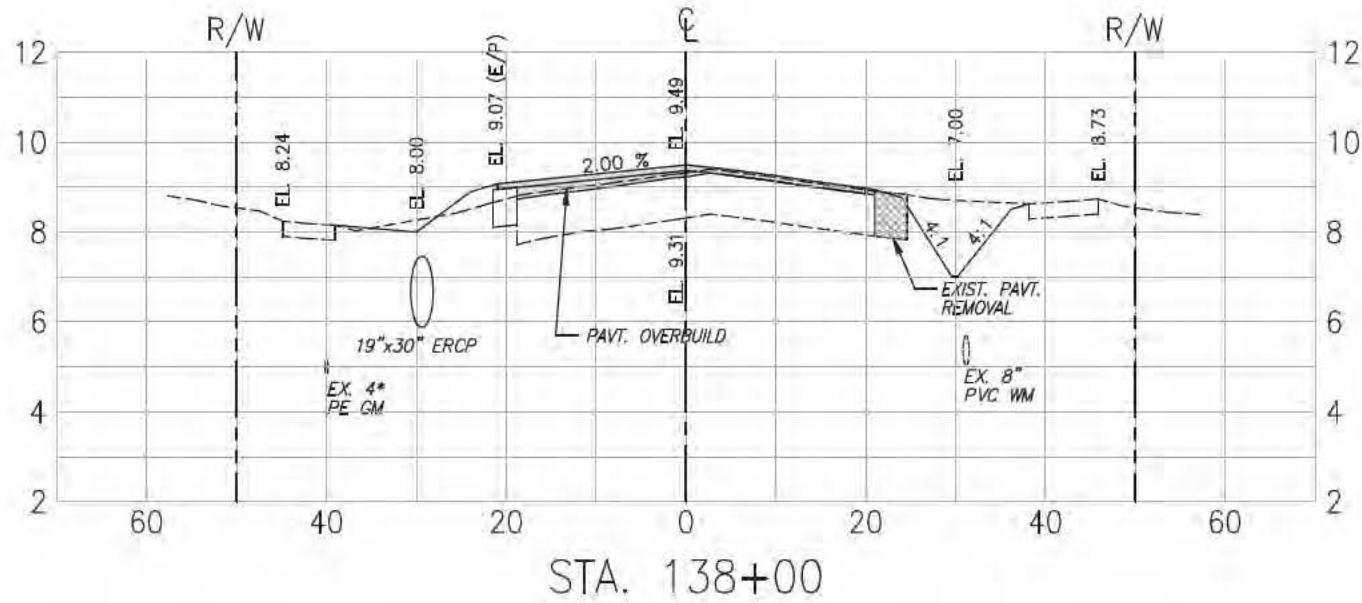
**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

CROSS SECTIONS

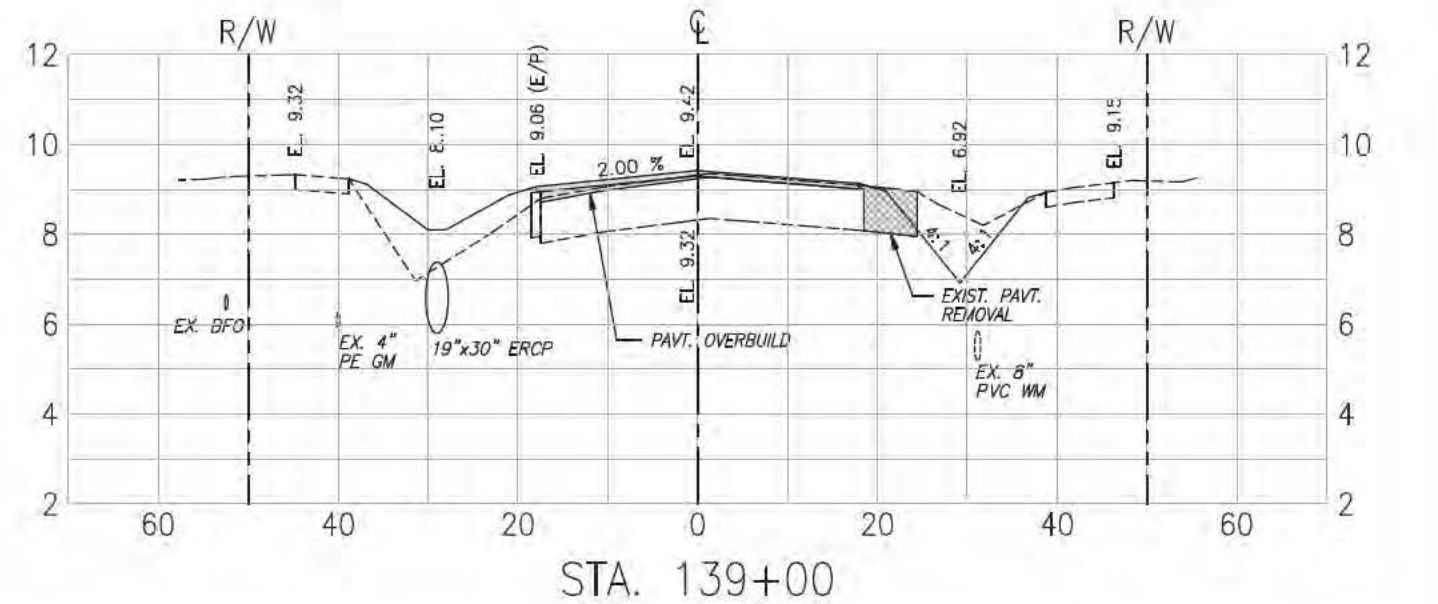
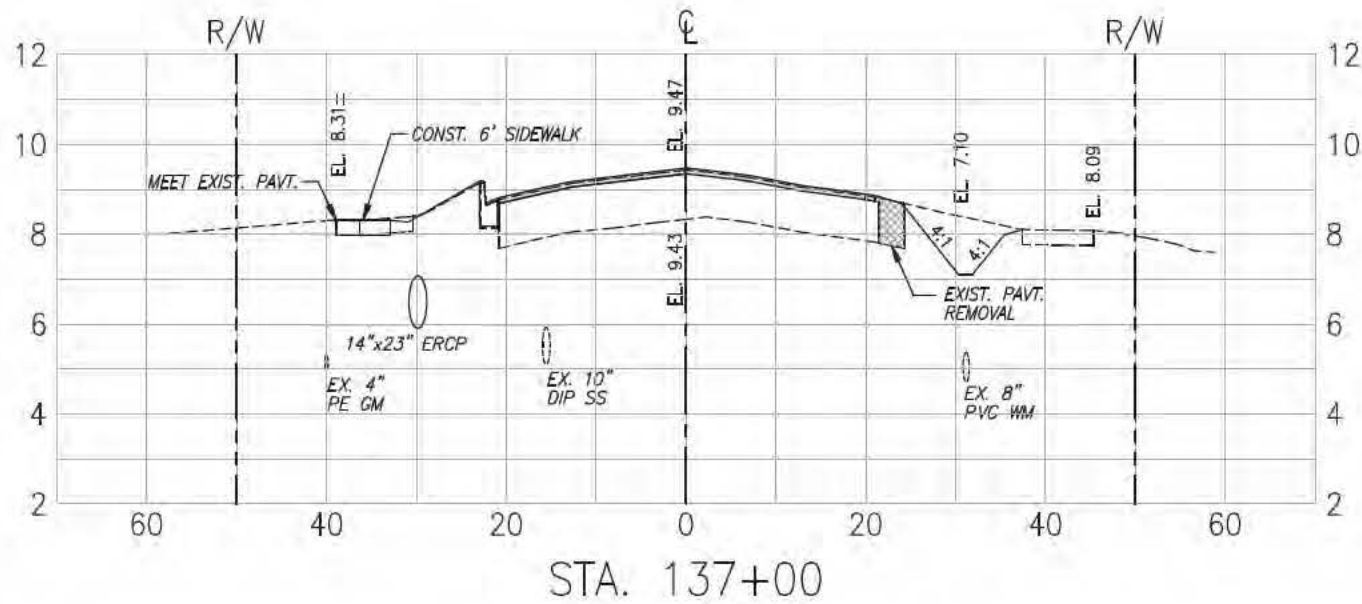
G. CALYDIT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3536 (Fax) 772-220-2880

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 48864

SHEET IDENTIFICATION
15
 SHEET 15 OF 15



WHERE THE ASPHALT OVERBUILD (ABOVE EXISTING PAVEMENT) WOULD EXCEED 5" IN DEPTH, MILL THE EXISTING ASPHALT PAVEMENT DOWN TO THE EXISTING BASE COURSE, INSTALL CEMENTED COQUINA LBR 100 BASE (5" MIN. DEPTH), FINISH THE COQUINA TO 3" BELOW PROPOSED FINISH GRADE. THEN INSTALL 1.5" OF SP-12.5 ASPHALT STRUCTURAL COURSE.



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.03.2010
DRAWN BY: DLB	CRD BY:
SUBMITTED BY: PUB	CONTRACT NO.:
PLT SCALE: MTS	FILE NUMBER:
SIZE: ANSI D	FILE NAME:

MARK	DESCRIPTION	DATE	APP.

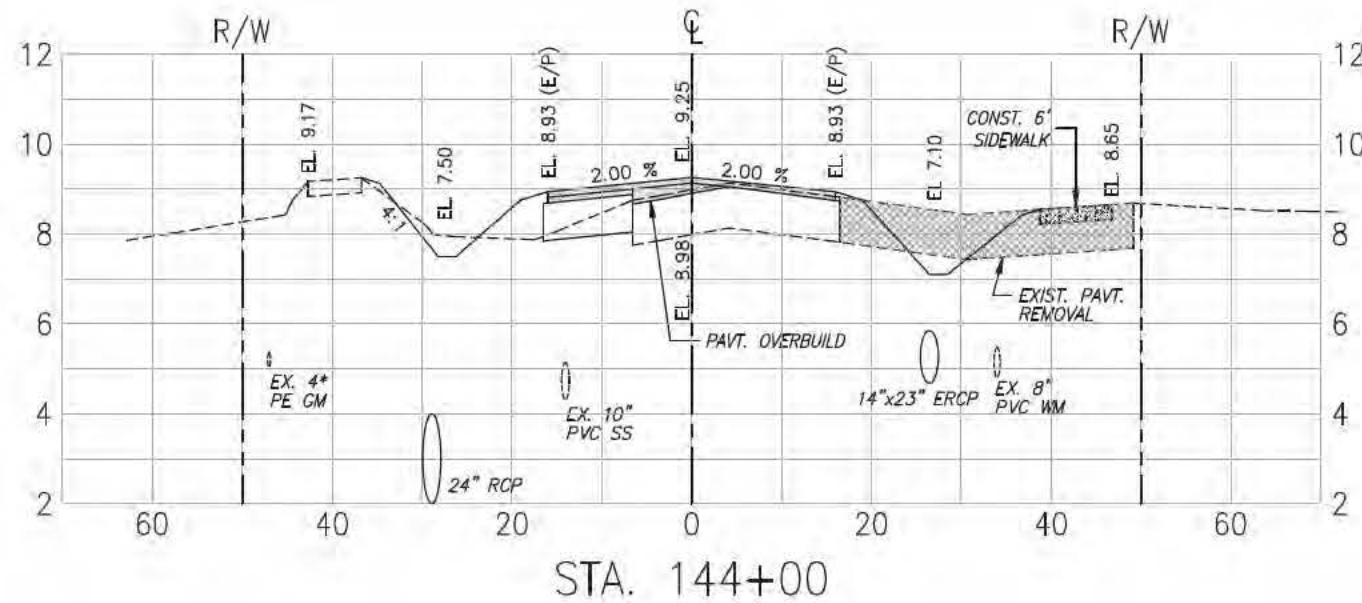
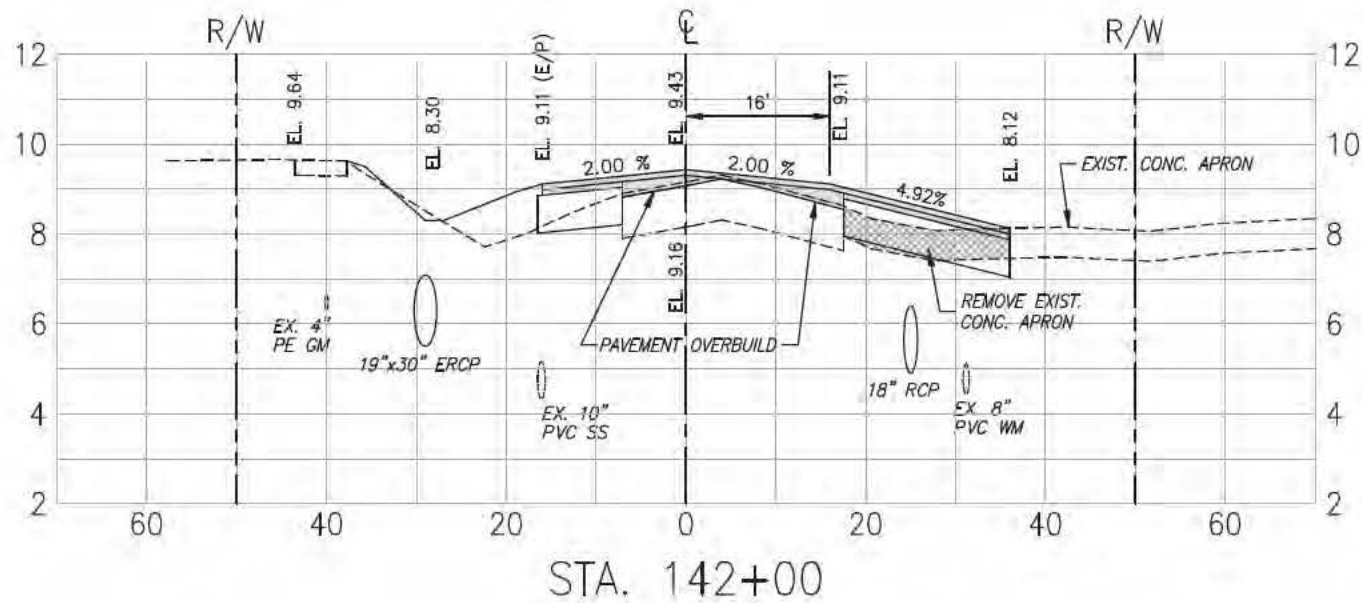
**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

CROSS SECTIONS

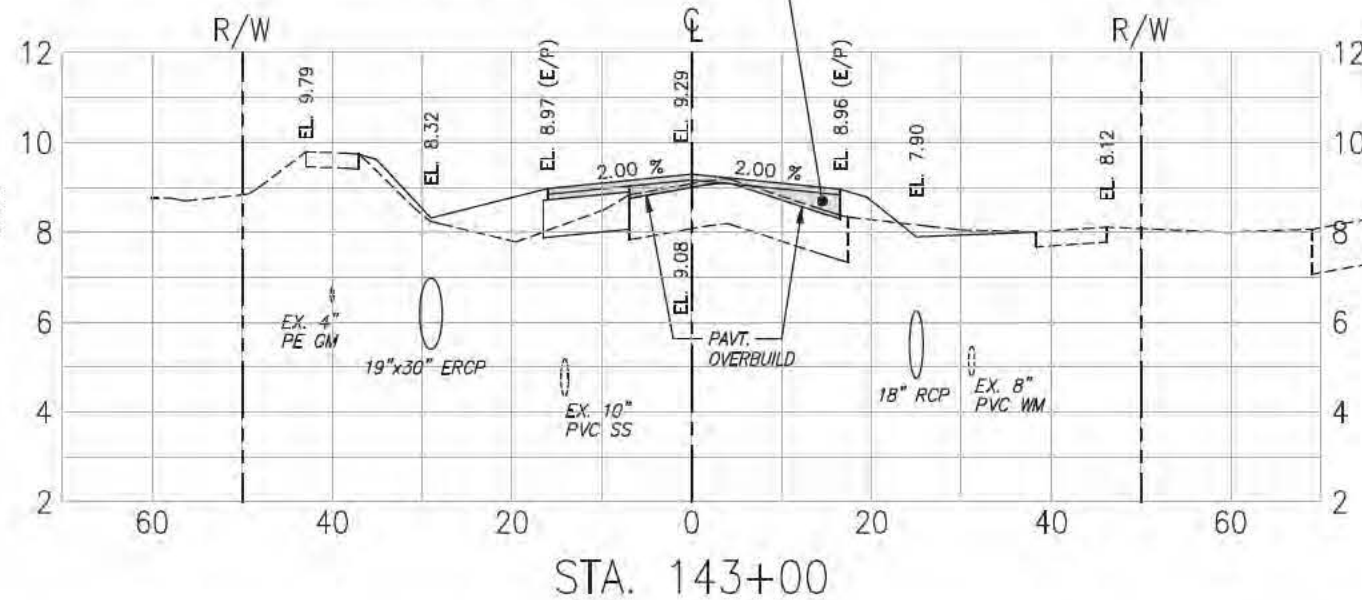
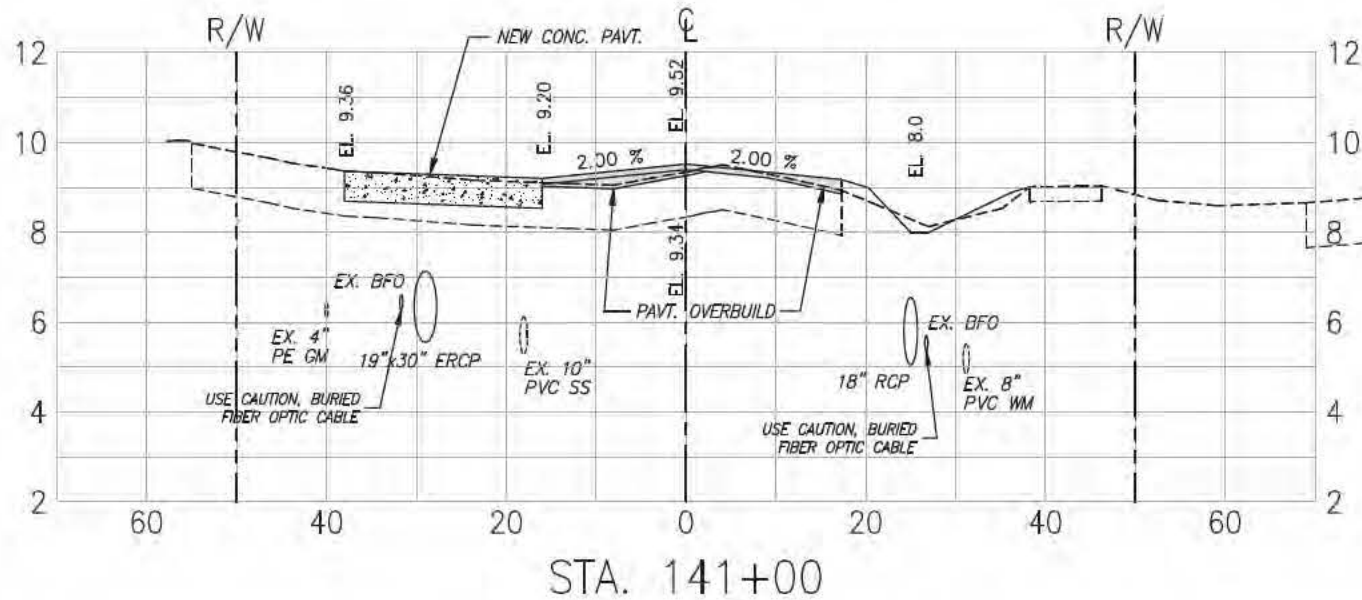
C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880



SHEET IDENTIFICATION
 16
 SHEET 16 OF 18



WHERE THE ASPHALT OVERBUILD (ABOVE EXISTING PAVEMENT) WOULD EXCEED 5" IN DEPTH, MILL THE EXISTING ASPHALT PAVEMENT DOWN TO THE EXISTING BASE COURSE, INSTALL CEMENTED COQUINA LBR 100 BASE (5" MIN. DEPTH), FINISH THE COQUINA TO 3" BELOW PROPOSED FINISH GRADE. THEN INSTALL 1.5" OF SP-12.5 ASPHALT STRUCTURAL COURSE.



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.09.2018
DRAWN BY: DLB	SOLICITATION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	FILE NUMBER:
SIZE: ANSI D	FILE NAME:

MARK	DESCRIPTION	DATE	APP.

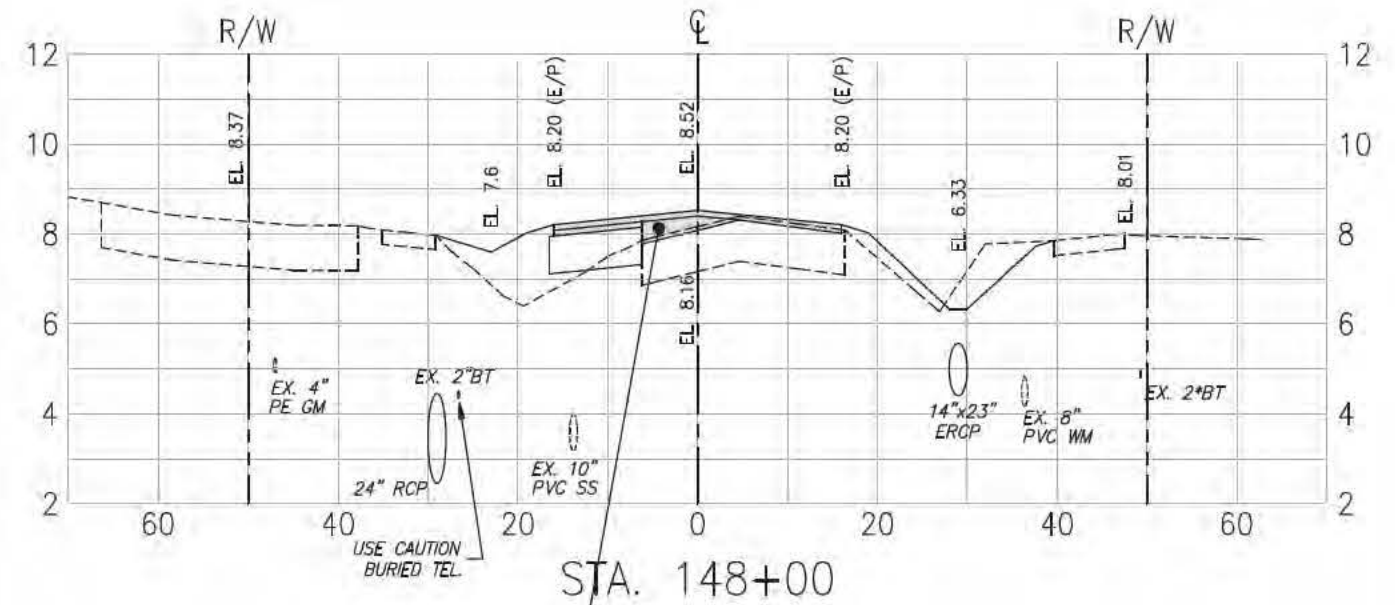
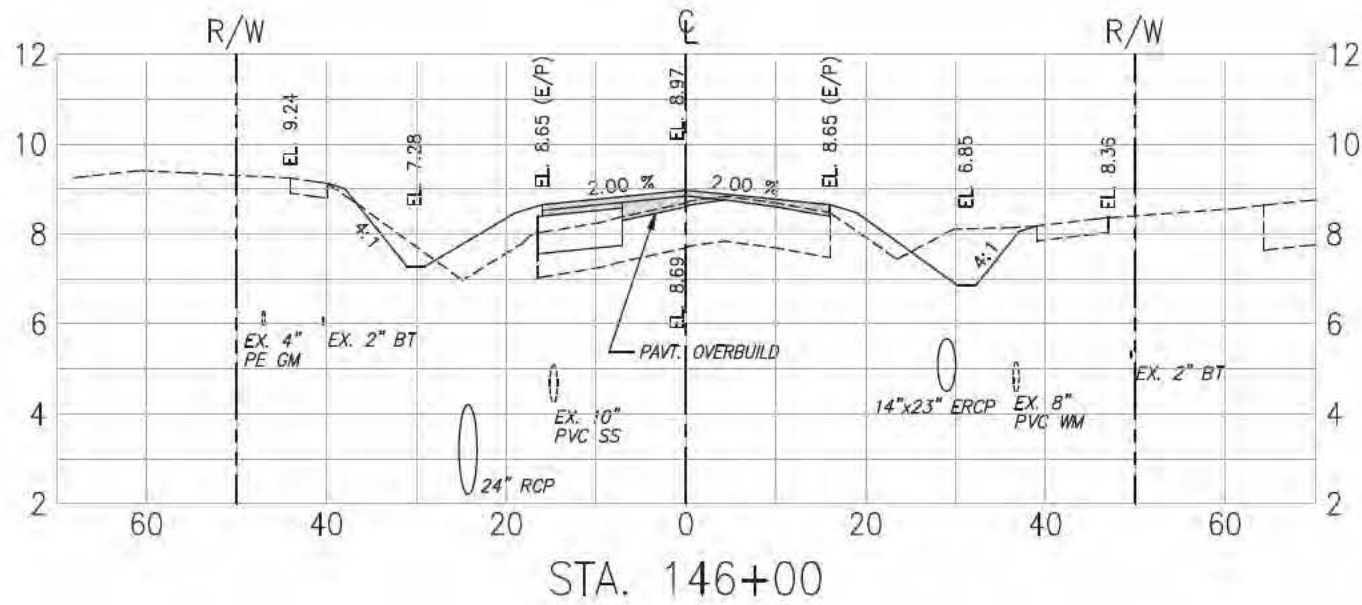
**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

CROSS SECTIONS

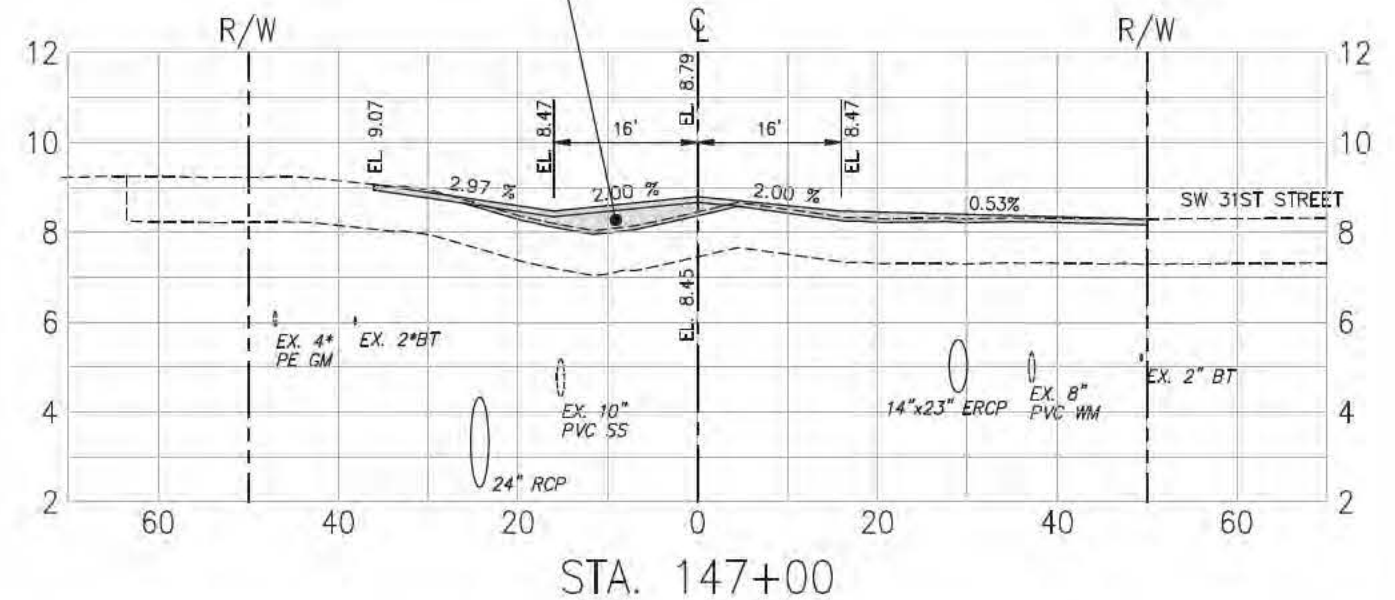
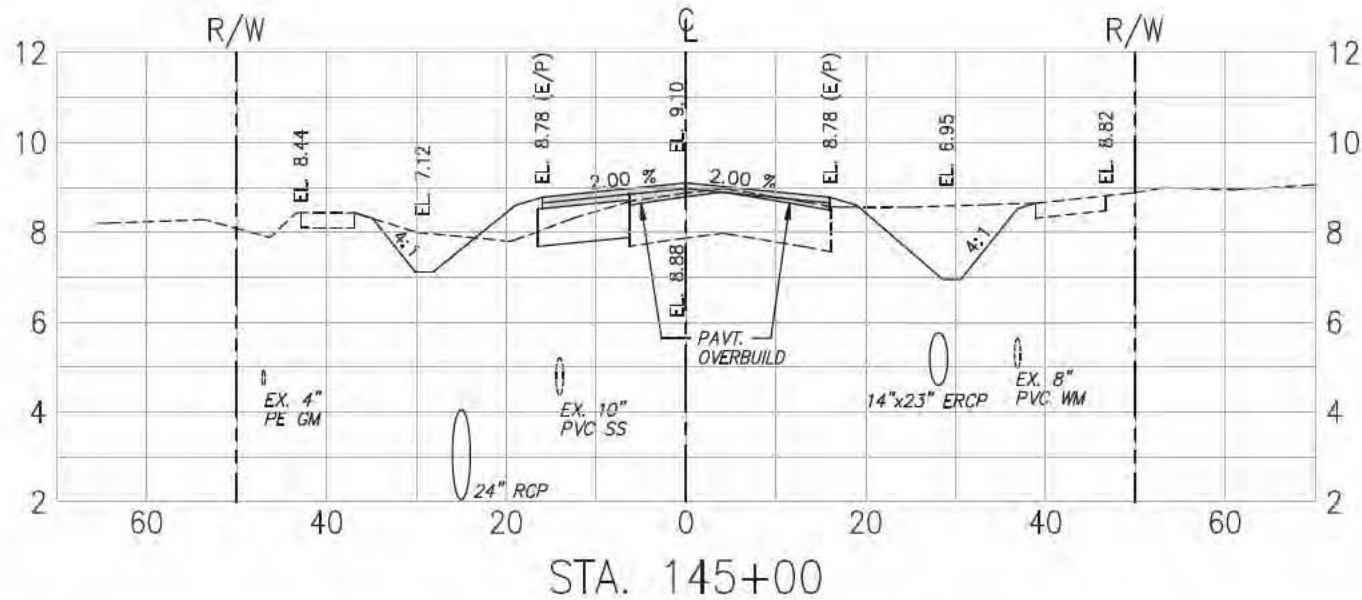
C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 48864

SHEET IDENTIFICATION
 17
 SHEET 17 OF 18



WHERE THE ASPHALT OVERBUILD (ABOVE EXISTING PAVEMENT) WOULD EXCEED 5" IN DEPTH, MILL THE EXISTING ASPHALT PAVEMENT DOWN TO THE EXISTING BASE COURSE, INSTALL CEMENTED COQUINA LBR 100 BASE (5" MIN. DEPTH), FINISH THE COQUINA TO 3" BELOW PROPOSED FINISH GRADE. THEN INSTALL 1.5" OF SP-12.5 ASPHALT STRUCTURAL COURSE.



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.03.2010
DRAWN BY: DLB	SOLICITATION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	FILE NUMBER:
SIZE: ANSI D	FILE NAME:

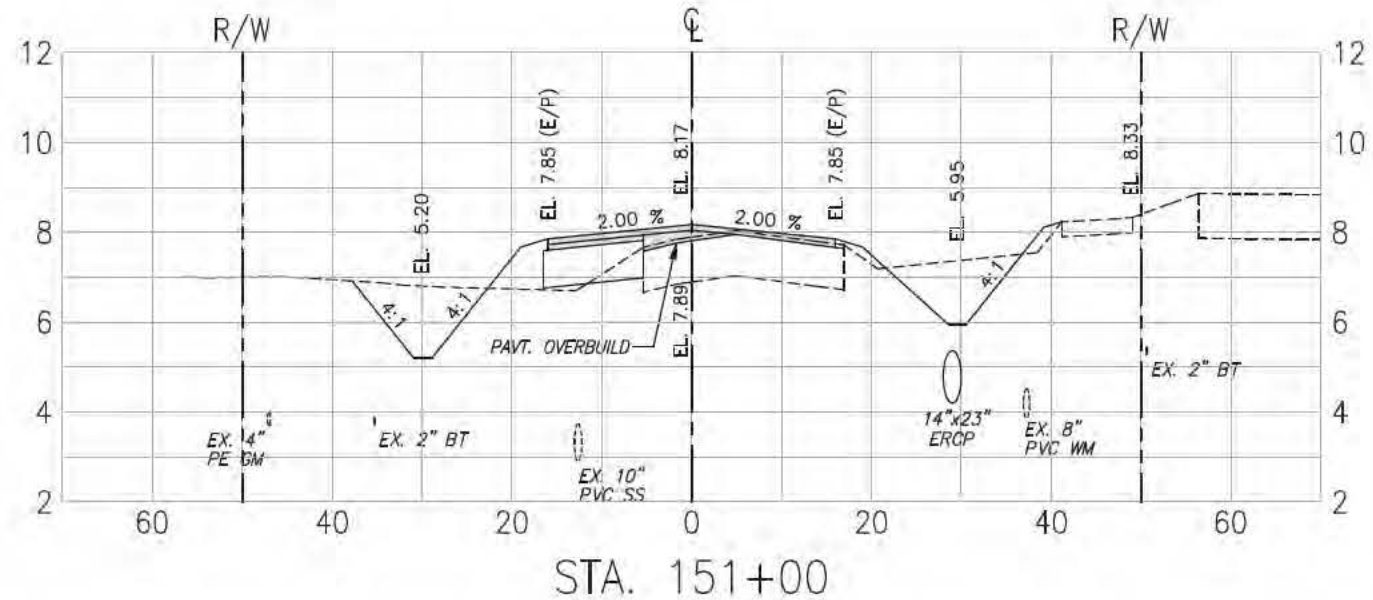
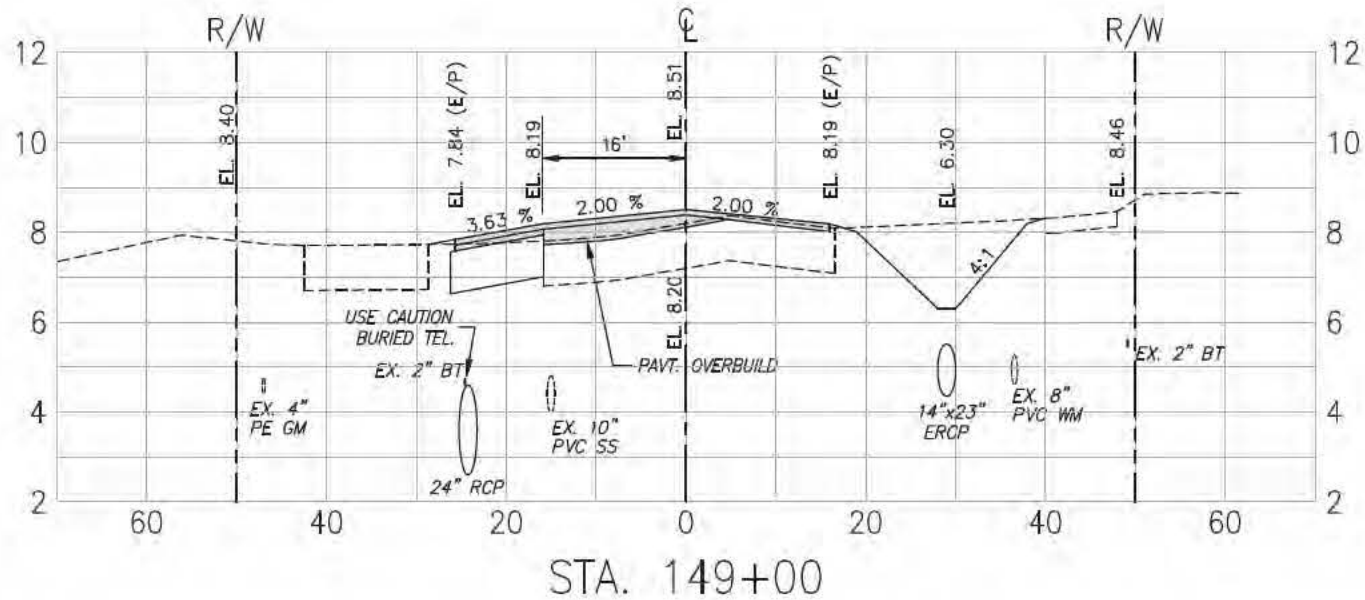
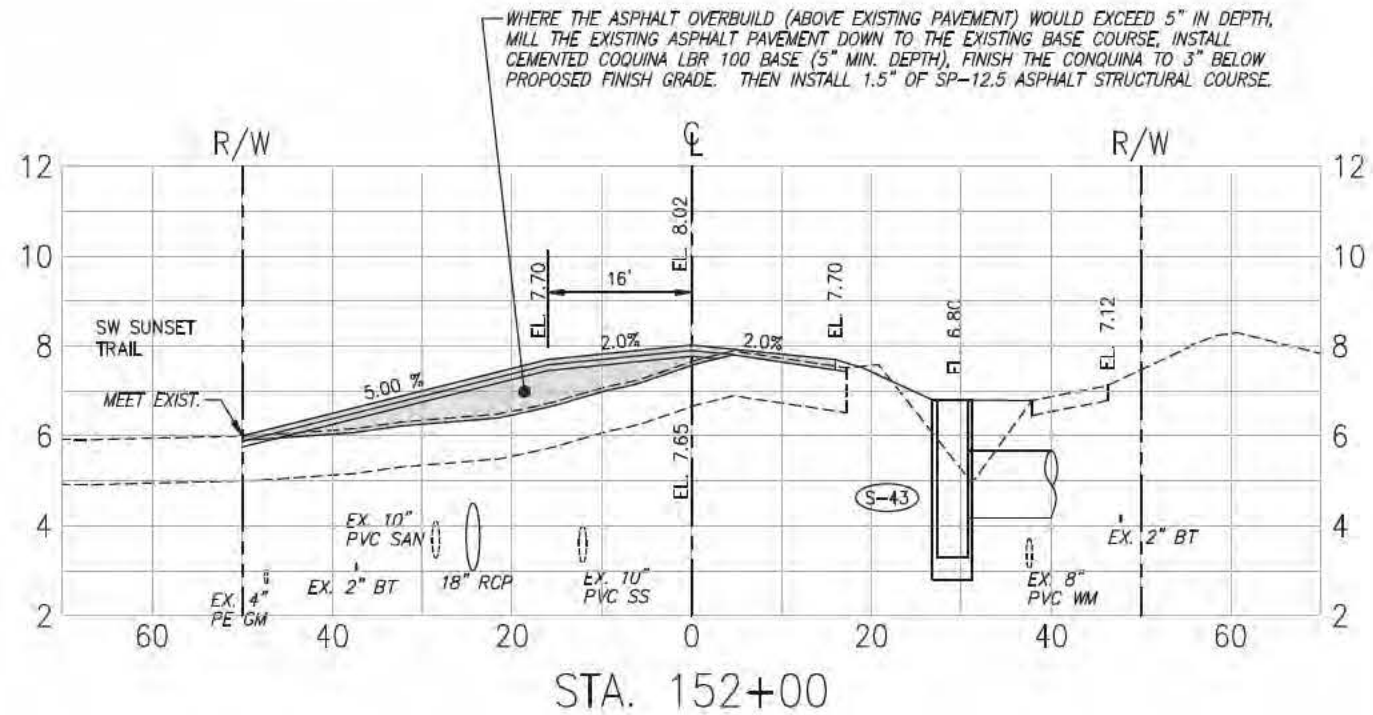
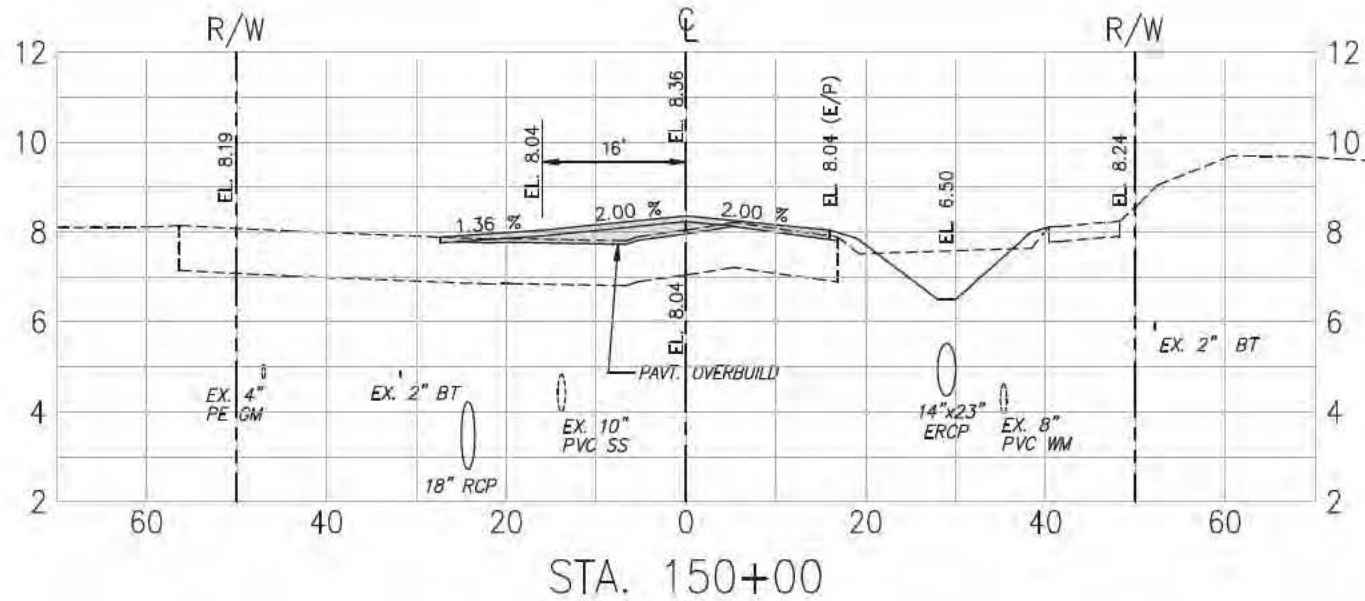
MARK	DESCRIPTION	DATE	APP.

**SW MAP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
 CROSS SECTIONS**

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880



SHEET IDENTIFICATION
18
 SHEET 18 OF 18



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.09.2018
DRAWN BY: DLB	CRD BY:
SUBMITTED BY: PUB	SOLICITATION NO.:
PLOT SCALE: MTS	CONTRACT NO.:
FILE NAME:	FILE NUMBER:
APP ID:	

MARK	DESCRIPTION	DATE	APP.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

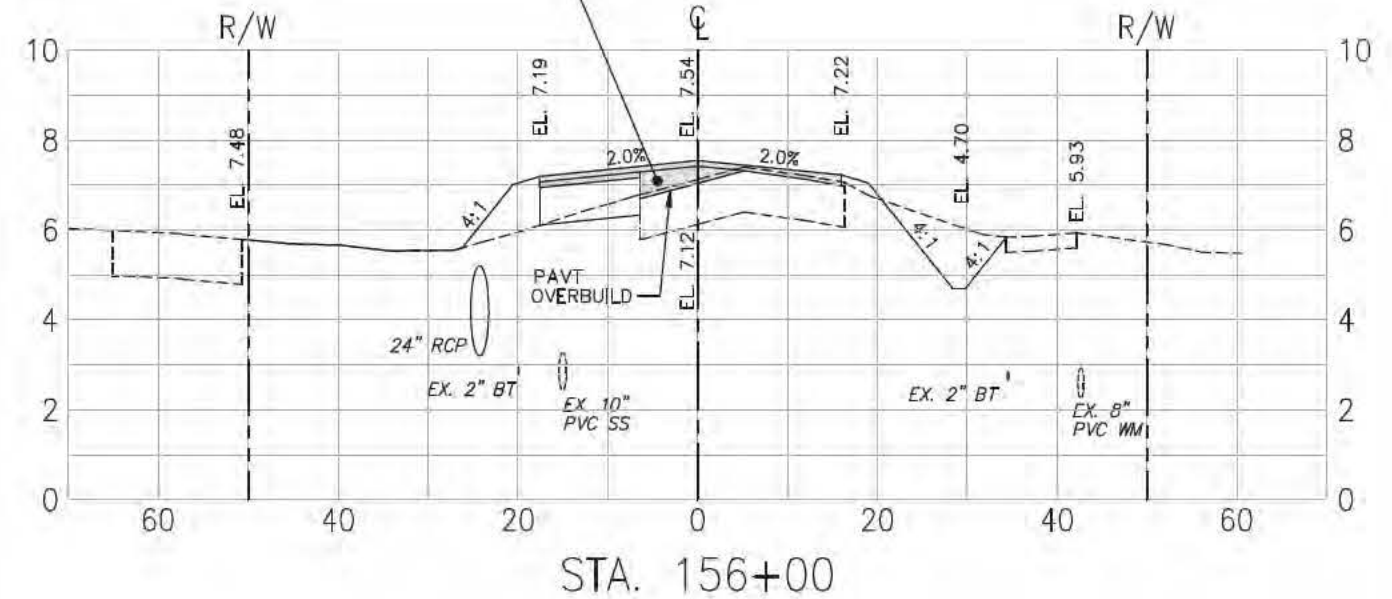
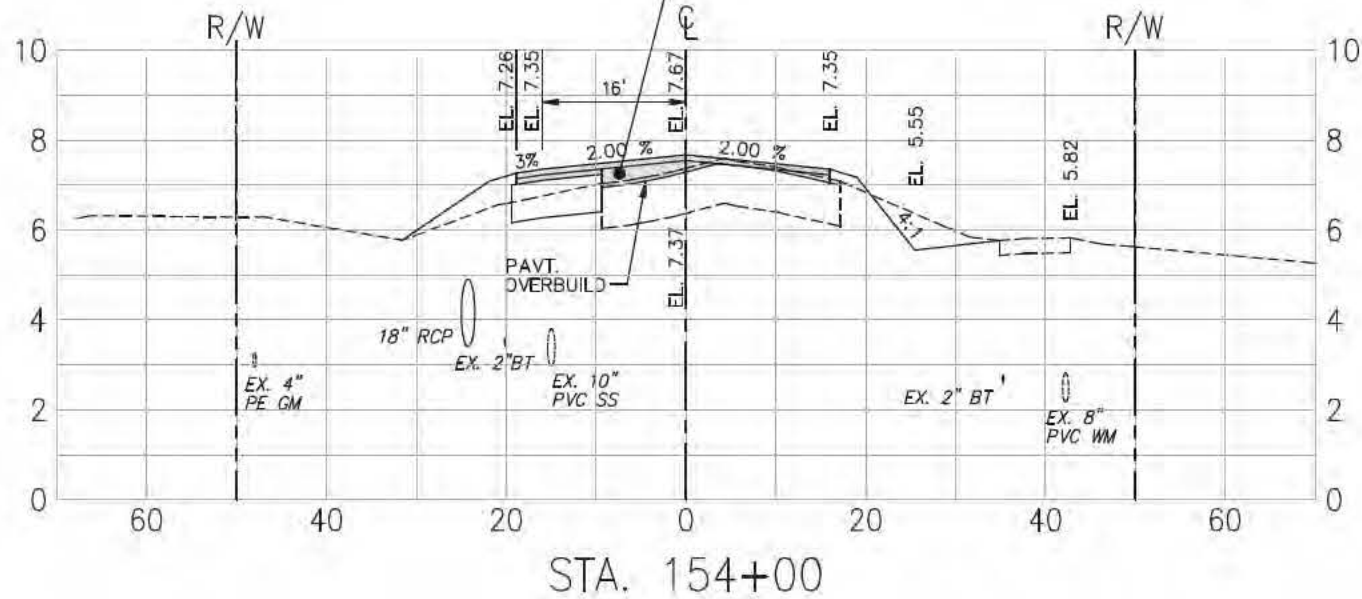
CROSS SECTIONS

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880

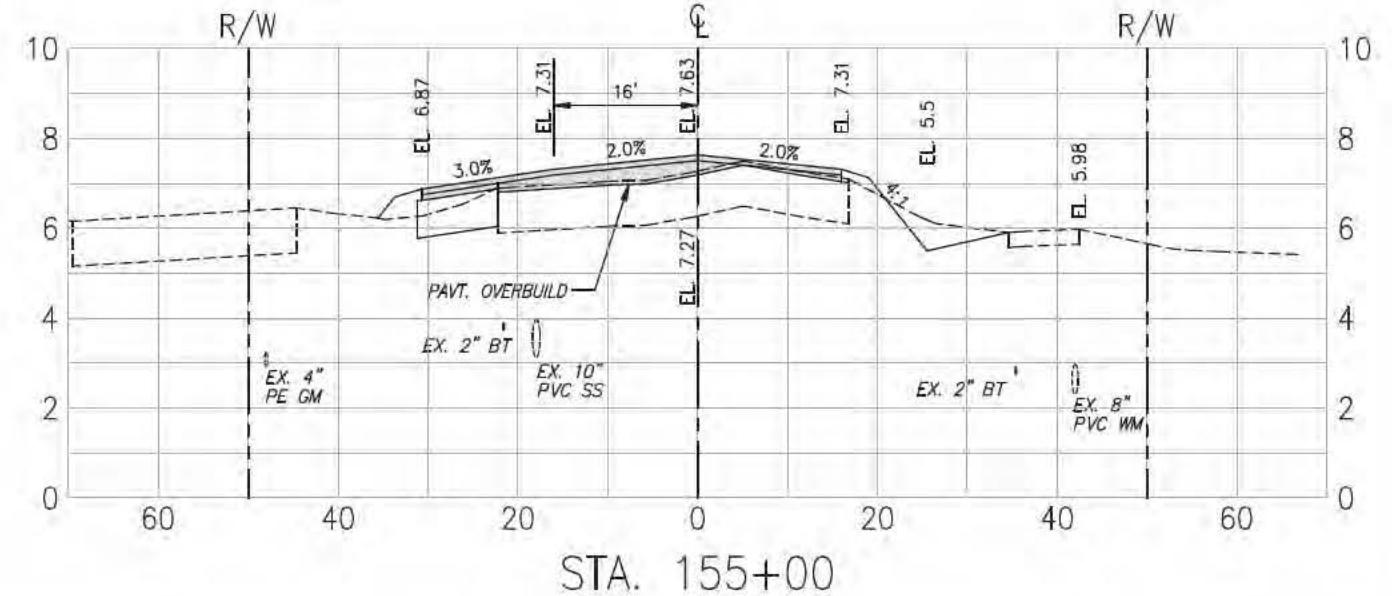
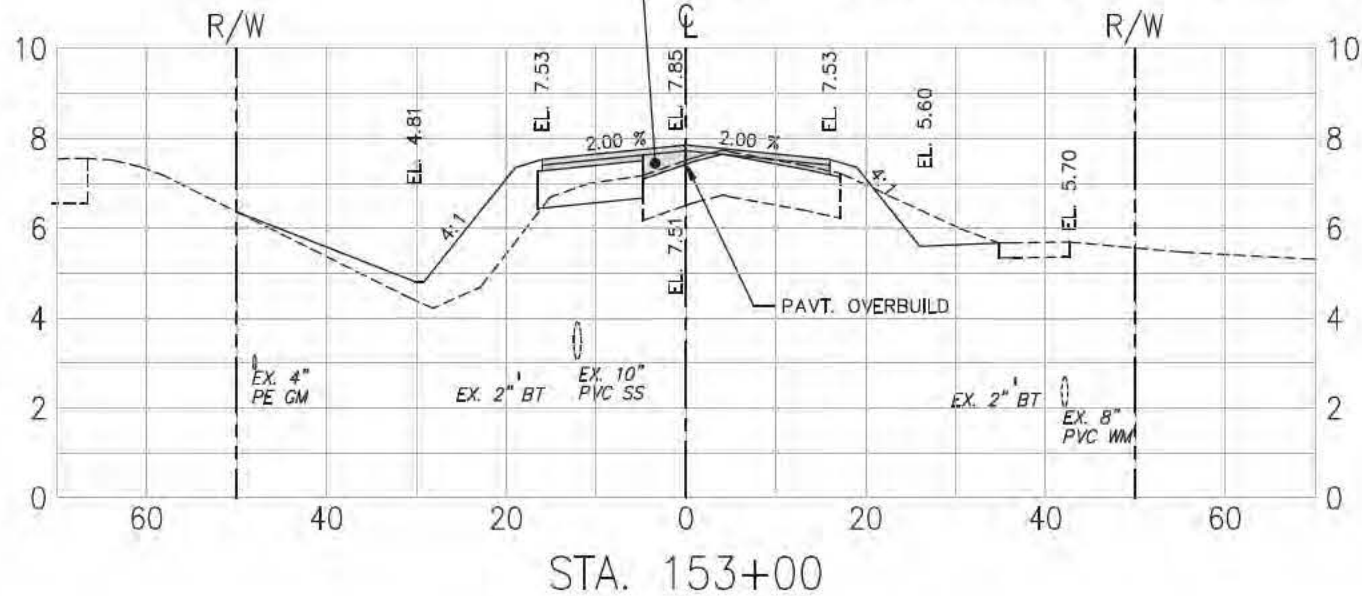


SHEET IDENTIFICATION
19
 SHEET 19 OF 18

WHERE THE ASPHALT OVERBUILD (ABOVE EXISTING PAVEMENT) WOULD EXCEED 5" IN DEPTH, MILL THE EXISTING ASPHALT PAVEMENT DOWN TO THE EXISTING BASE COURSE, INSTALL CEMENTED COQUINA LBR 100 BASE (5" MIN. DEPTH), FINISH THE COQUINA TO 3" BELOW PROPOSED FINISH GRADE. THEN INSTALL 1.5" OF SP-12.5 ASPHALT STRUCTURAL COURSE.



WHERE THE ASPHALT OVERBUILD (ABOVE EXISTING PAVEMENT) WOULD EXCEED 5" IN DEPTH, MILL THE EXISTING ASPHALT PAVEMENT DOWN TO THE EXISTING BASE COURSE, INSTALL CEMENTED COQUINA LBR 100 BASE (5" MIN. DEPTH), FINISH THE COQUINA TO 3" BELOW PROPOSED FINISH GRADE. THEN INSTALL 1.5" OF SP-12.5 ASPHALT STRUCTURAL COURSE.



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.09.2018
DRAWN BY: DLB	CRD BY:
SUBMITTED BY: PUB	SOLICITATION NO.:
PLOT SCALE: MTS	CONTRACT NO.:
FILE NAME:	FILE NUMBER:
APP ID:	

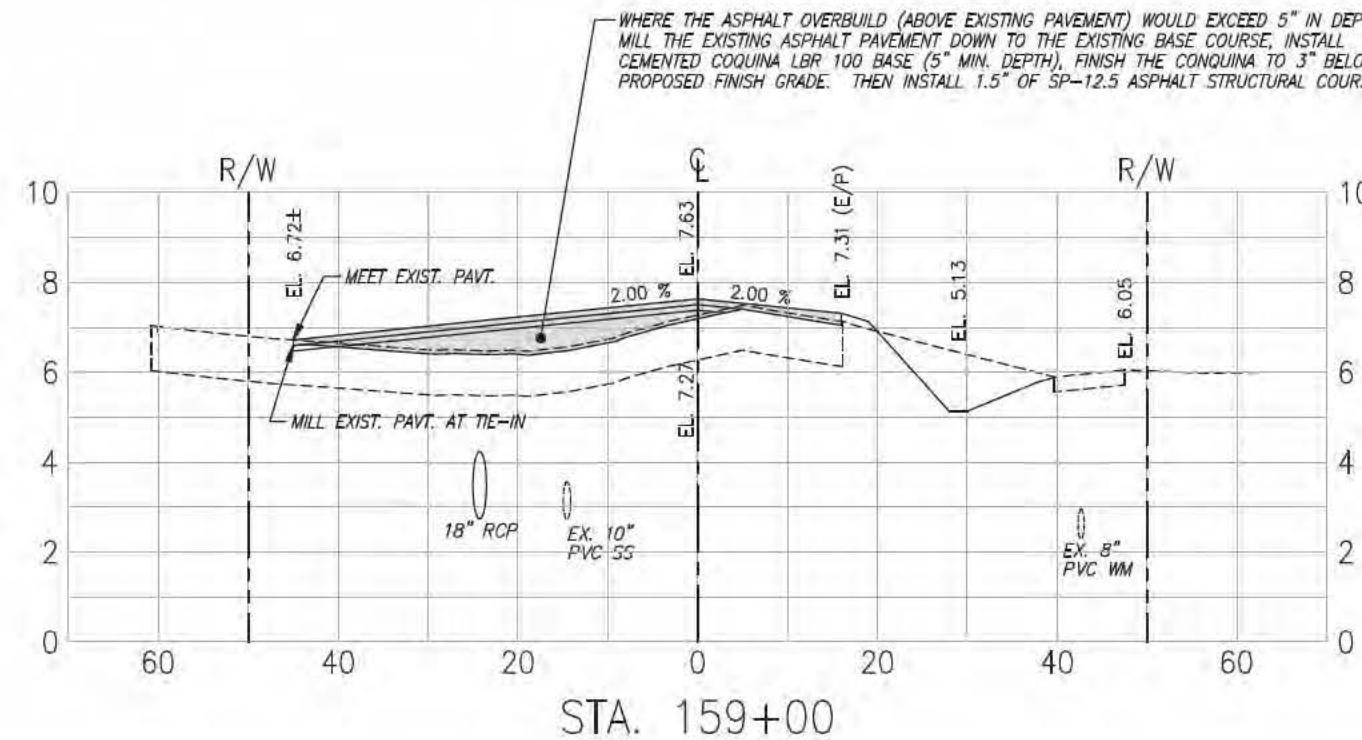
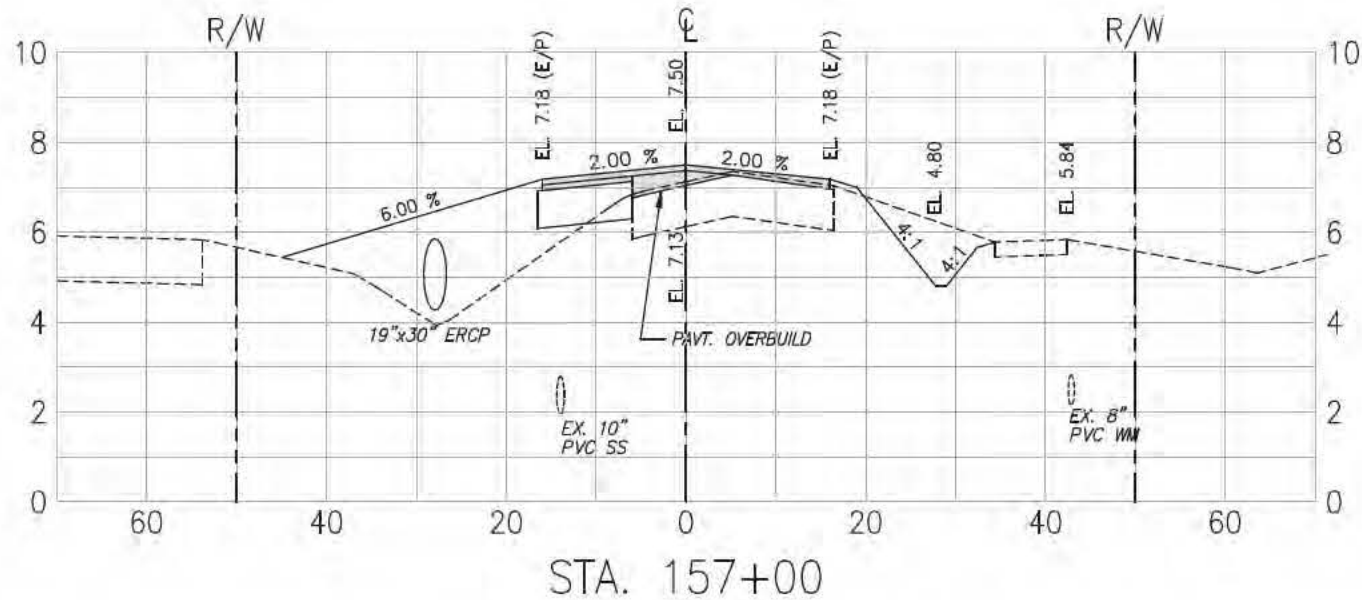
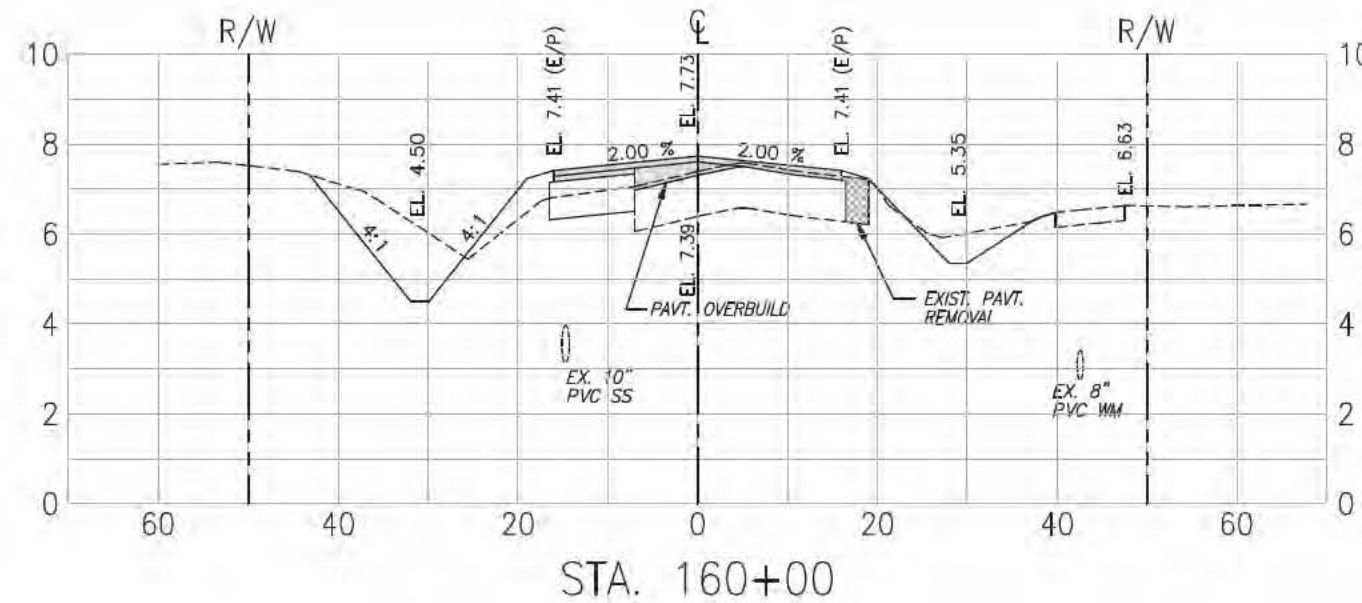
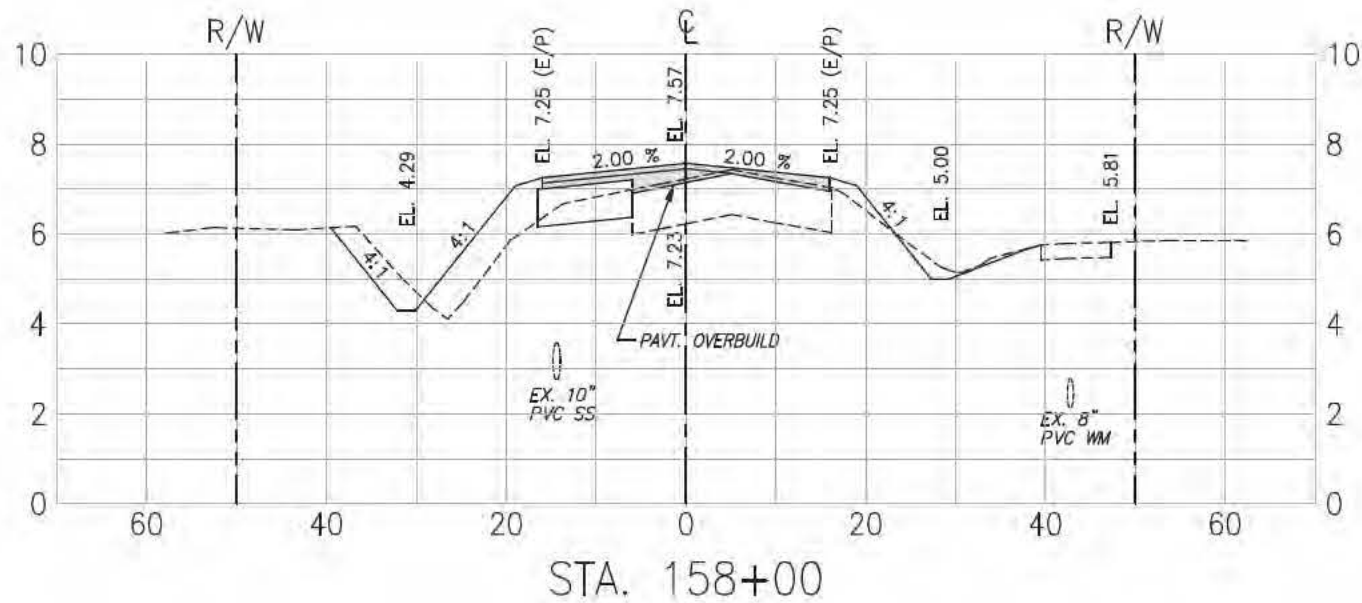
MARK	DESCRIPTION	DATE	APP.

SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
CROSS SECTIONS

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880



SHEET IDENTIFICATION
20
 SHEET 20 OF 2



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.03.2010
DRAWN BY: DLB	CRD BY: SOLICITATION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	PLOT DATE: FILE NUMBER:
SIZE: ANSI D	FILE NAME:

MARK	DESCRIPTION	DATE	APPR.

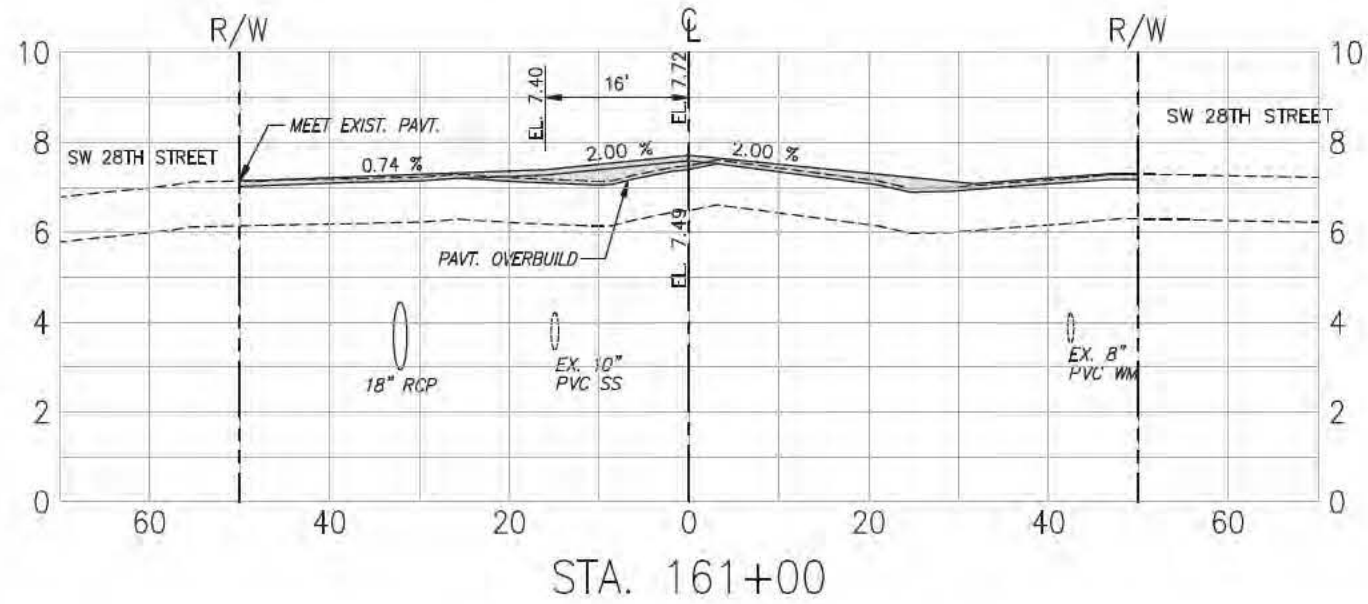
**SW MAPS ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

CROSS SECTIONS

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3536 (Fax) 772-220-2880

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 48804

SHEET IDENTIFICATION
 21
 SHEET 21 OF 4



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.09.2018
DRAWN BY: DLB	CRD BY:
SUBMITTED BY: PUB	SOLICITATION NO.:
PLOT SCALE: MTS	CONTRACT NO.:
FILE NAME:	FILE NUMBER:
APPD:	DATE:

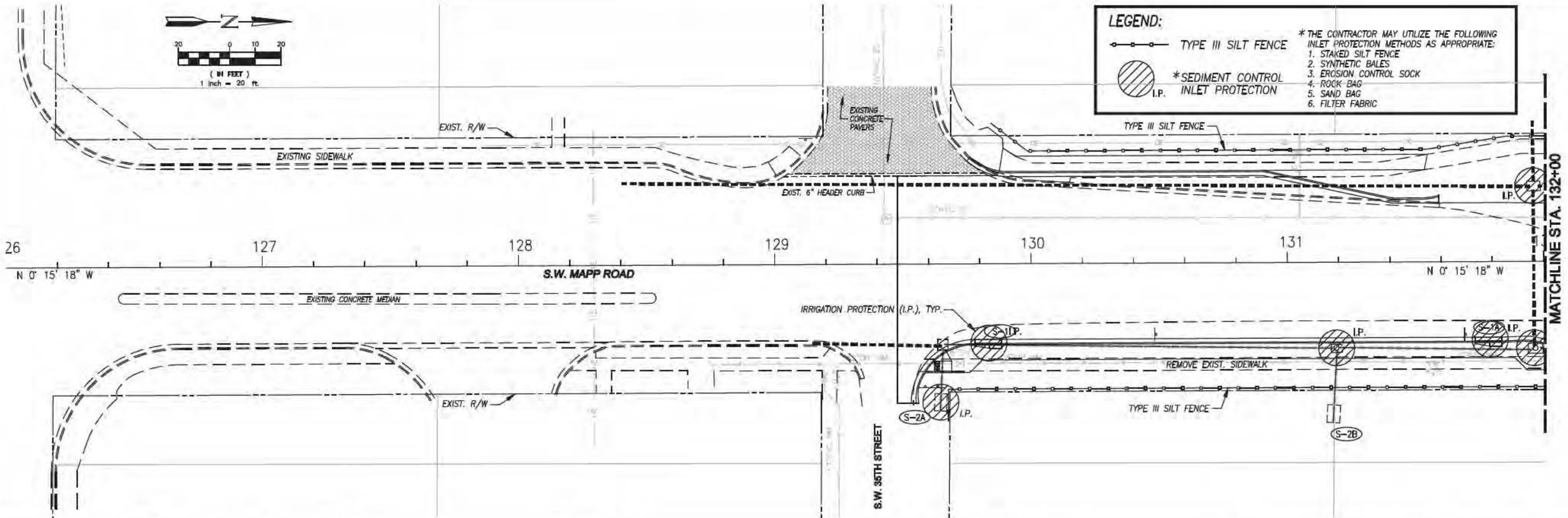
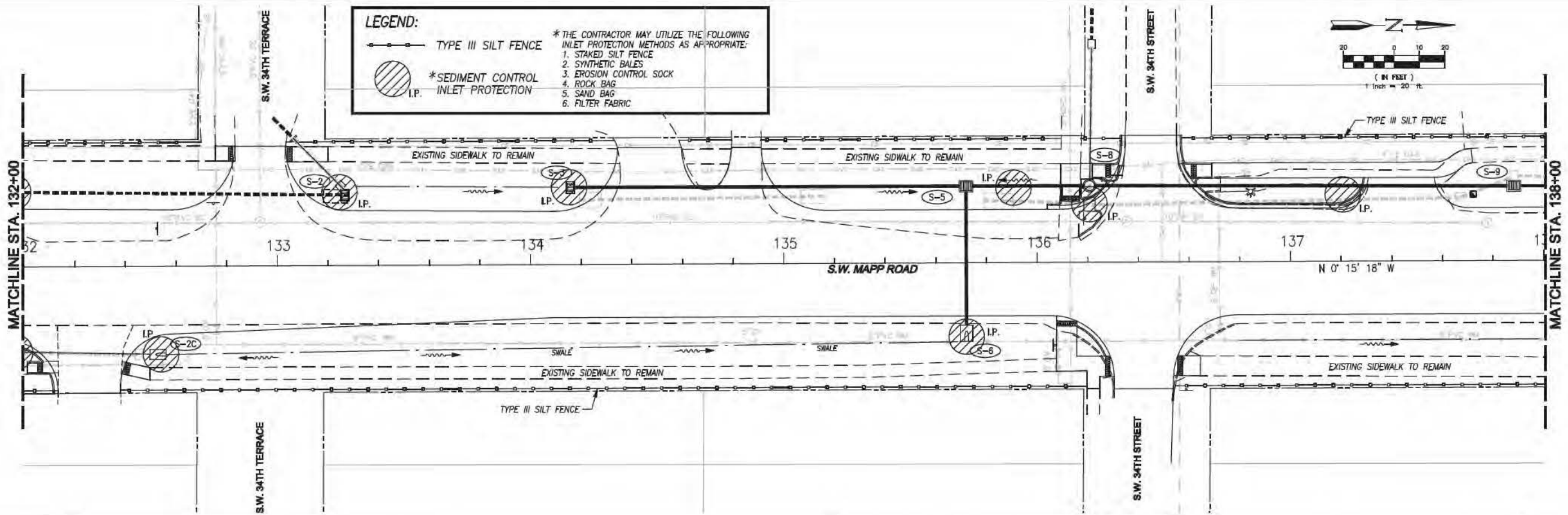
MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
 CROSS SECTIONS**

E. CALYDIT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880



SHEET IDENTIFICATION
22
 SHEET 22 OF 4



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.09.2016
DRAWN BY: DLB	CHECKED BY: SOLICITATION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	FILE NUMBER:
DATE: AND ID	FILE NAME:

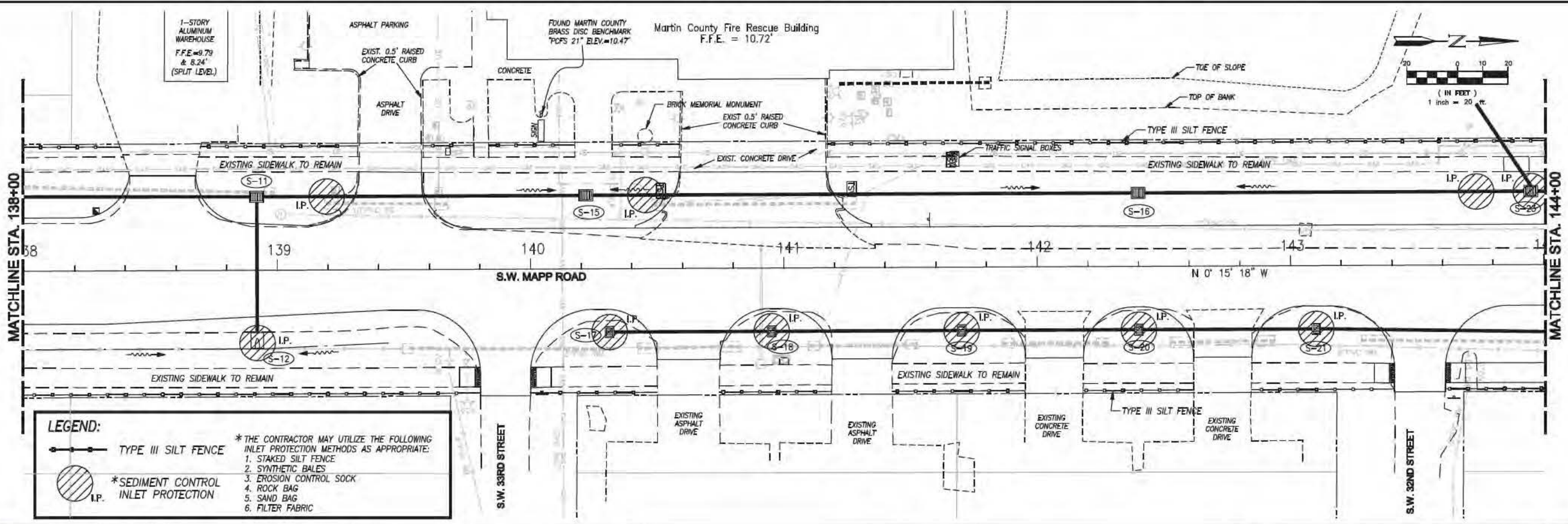
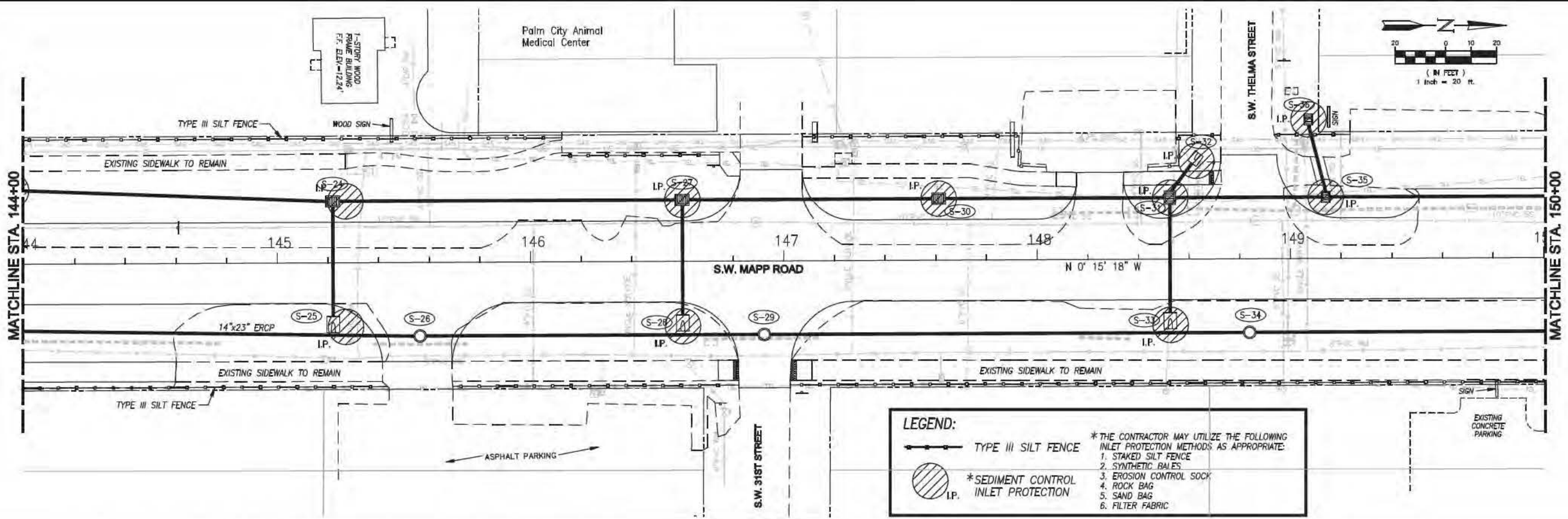
MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
 EROSION CONTROL PLAN**

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3638 (Fax) 772-220-2880

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45864
 Signature: _____ Date: _____

SHEET IDENTIFICATION
 23
 SHEET X OF X



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.03.2010
DRAWN BY: DLB	CRD BY: DLB
SUBMITTED BY: PUB	APPROVED BY: PUB
PLOT SCALE: MTS	PLOT DATE: MTS
DATE: 11.03.2010	SOLICITATION NO.:
FILE NUMBER:	CONTRACT NO.:
FILE NAME:	

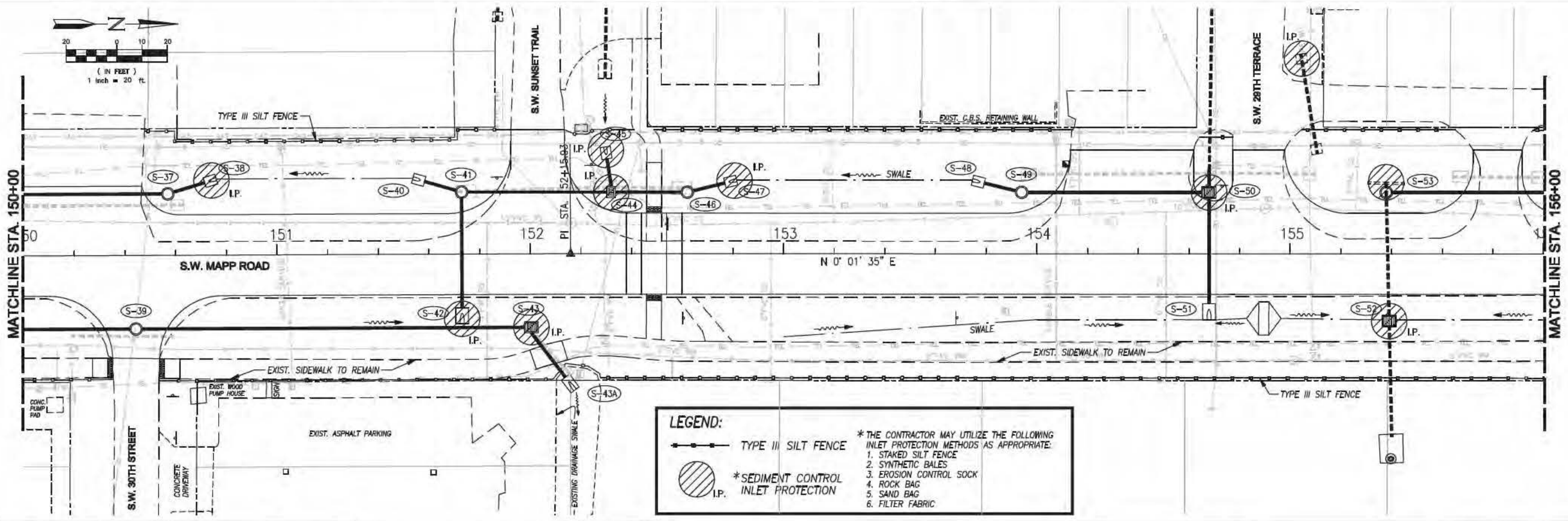
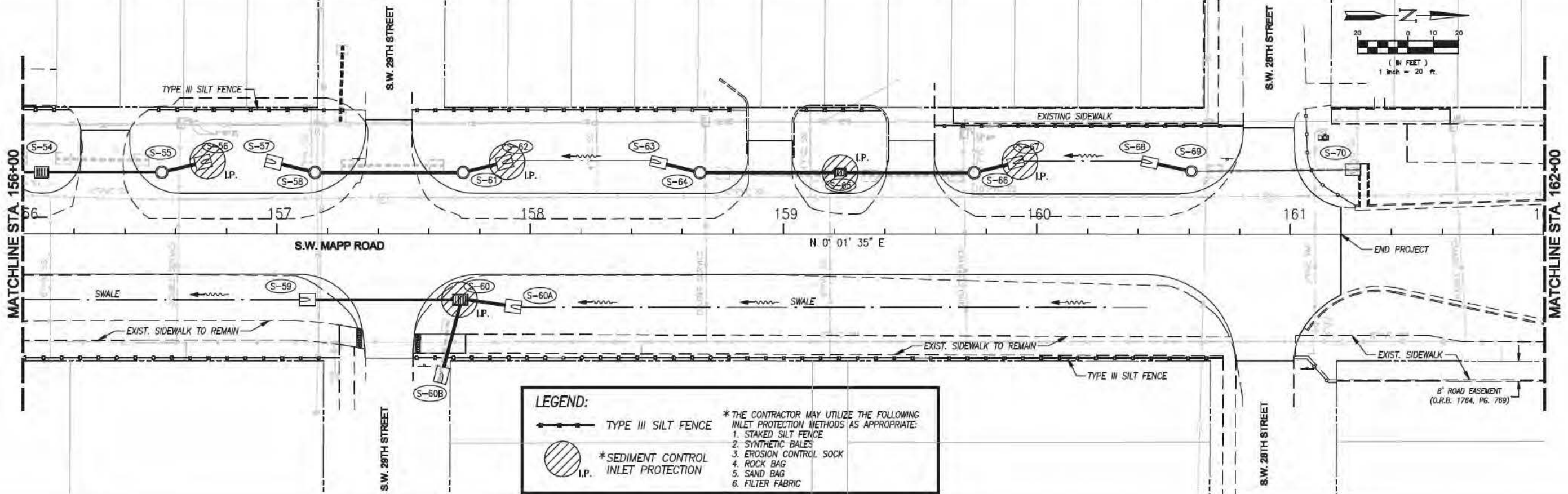
MARK	DESCRIPTION	DATE	APPP

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
 EROSION CONTROL PLAN**

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880



SHEET IDENTIFICATION
 24
 SHEET X OF X



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.10.2010
DRAWN BY: DLA	CRD BY: BOLIVANTION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	PLOT DATE: FILE NUMBER:
SIZE: ANSI D	FILE NAME:

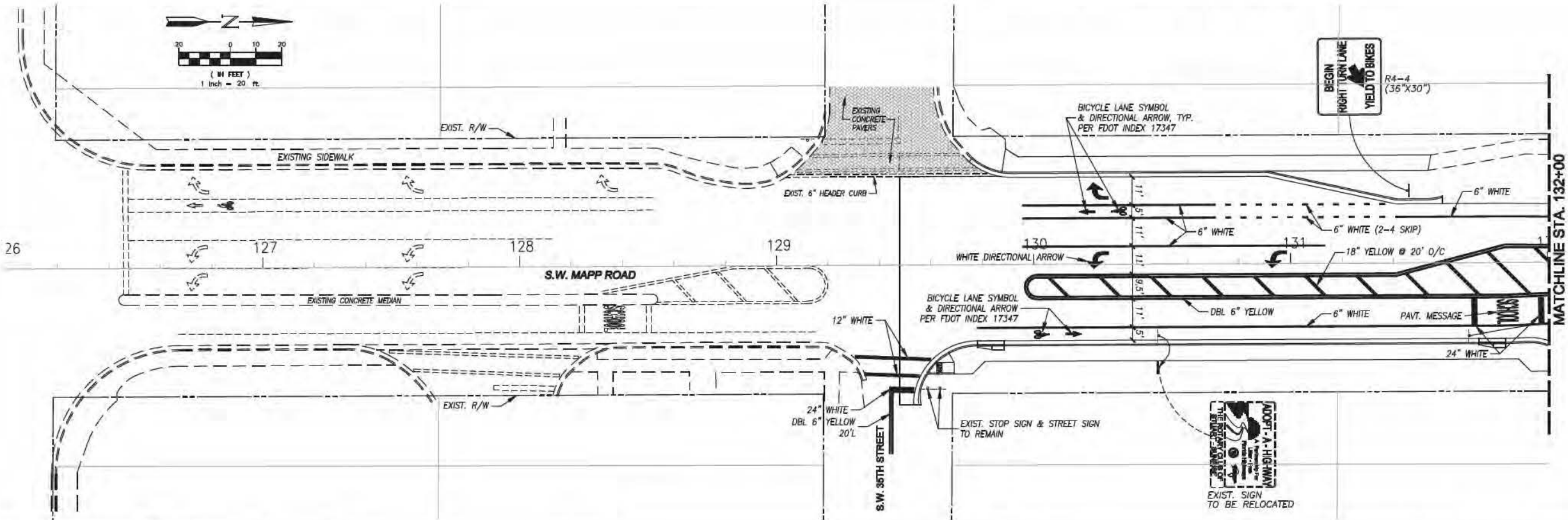
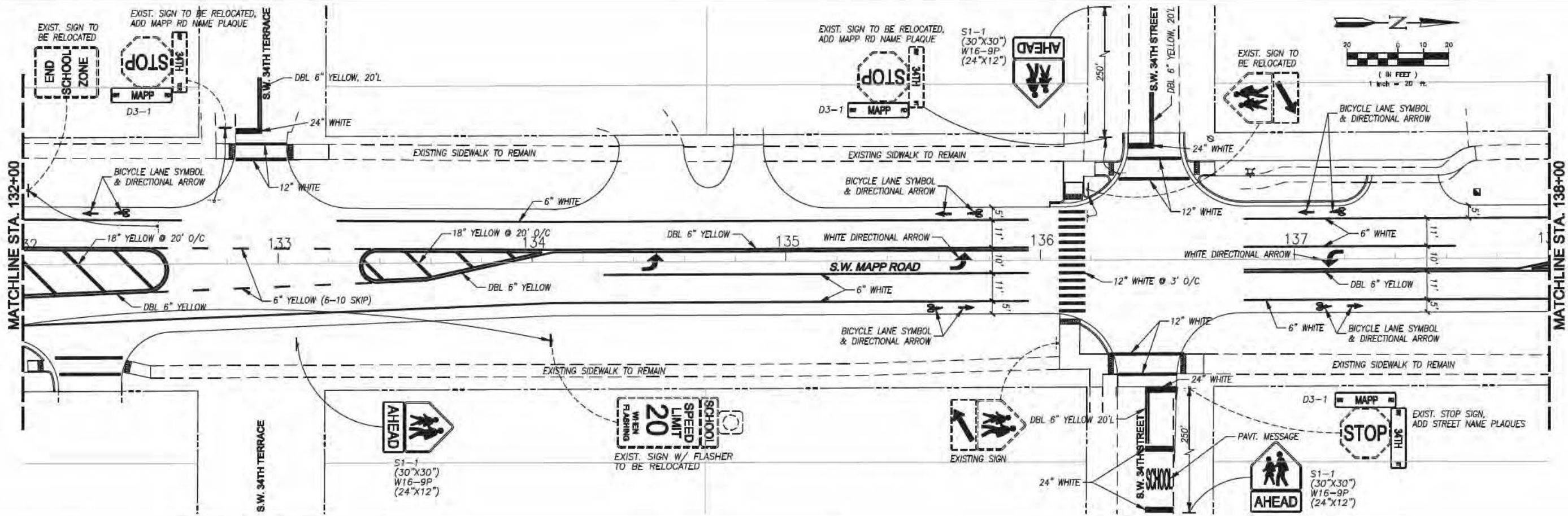
MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
 EROSION CONTROL PLAN**

C. CALYDIT MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2680

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45864
 Date: _____
 Signature: _____

SHEET IDENTIFICATION
 25
 SHEET X OF X



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.03.2018
DRAWN BY: DLB	SOLICITATION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	FILE NUMBER:
FILE NAME:	

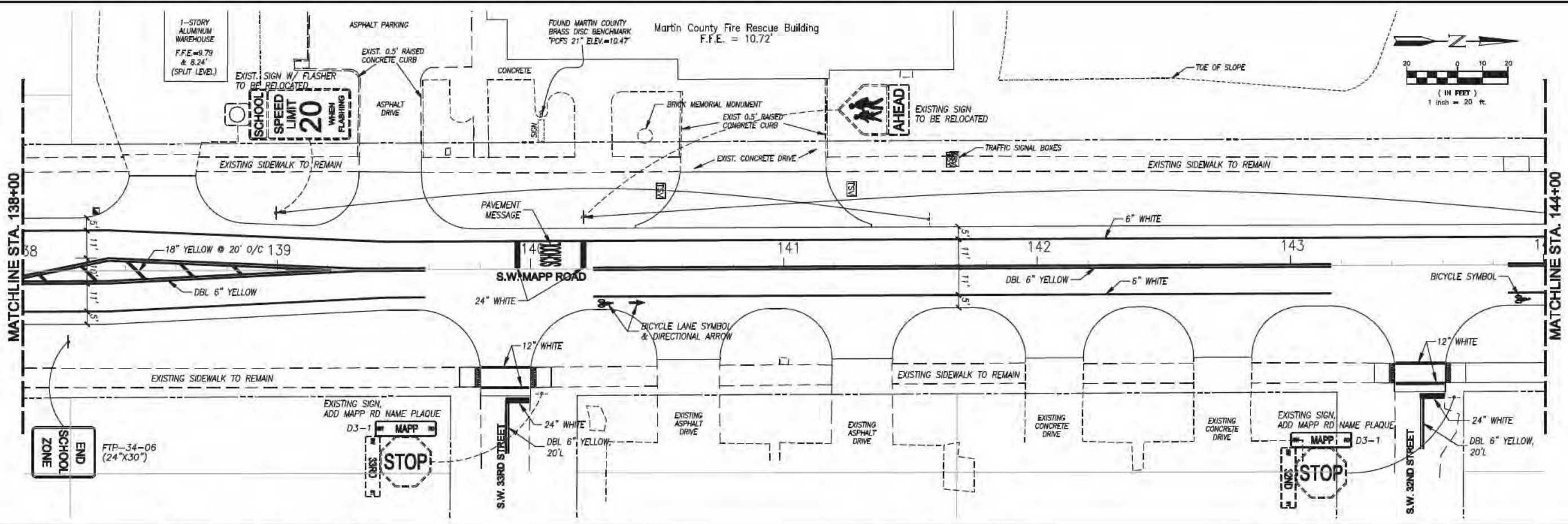
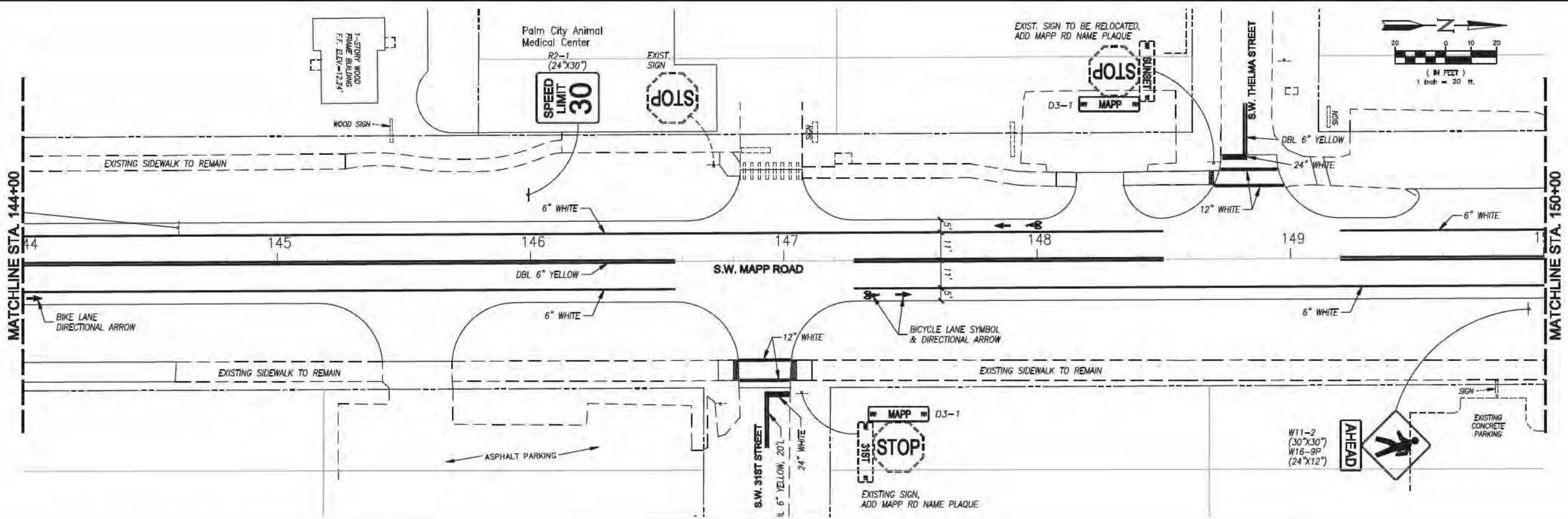
MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA
 SIGNING & PAVEMENT MARKING PLAN**

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-0580

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45864

SHEET IDENTIFICATION
 26
 SHEET 2 OF 2



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.09.2018
DRAWN BY: DLB	SOLICITATION NO.:
CRD BY:	CONTRACT NO.:
SUBMITTED BY: PUB	FILE NUMBER:
PLOT SCALE: MTS	PLOT DATE:
SIZE: ANSI D	FILE NAME:

MARK	DESCRIPTION	DATE	APPR.

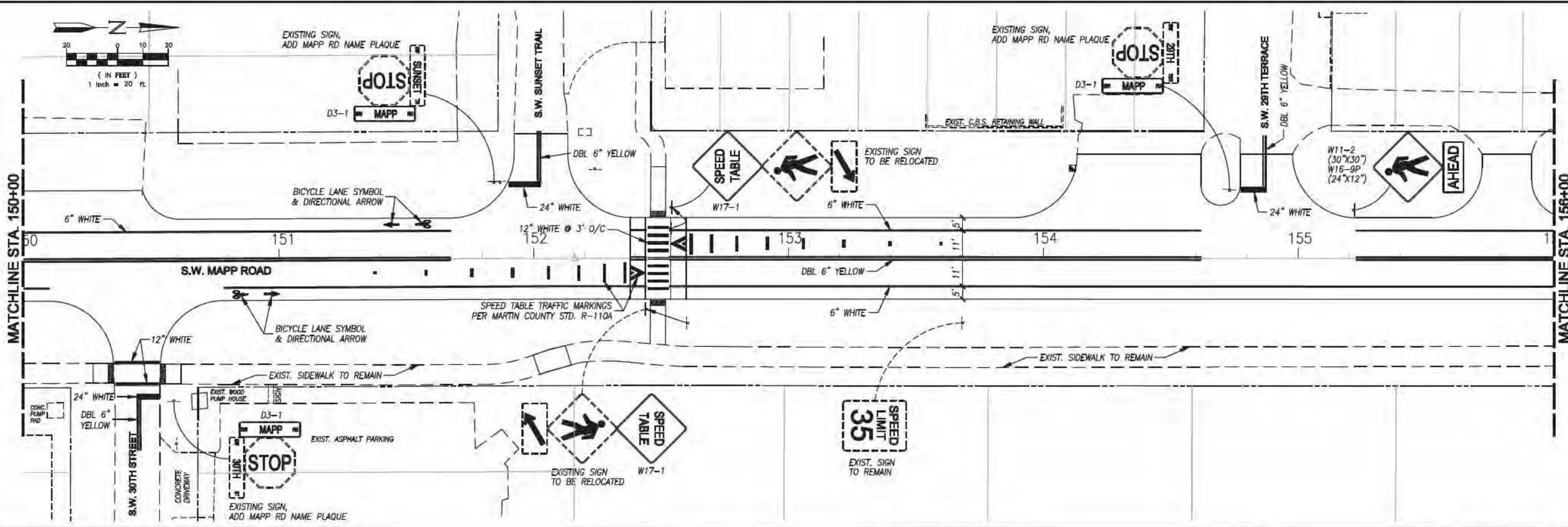
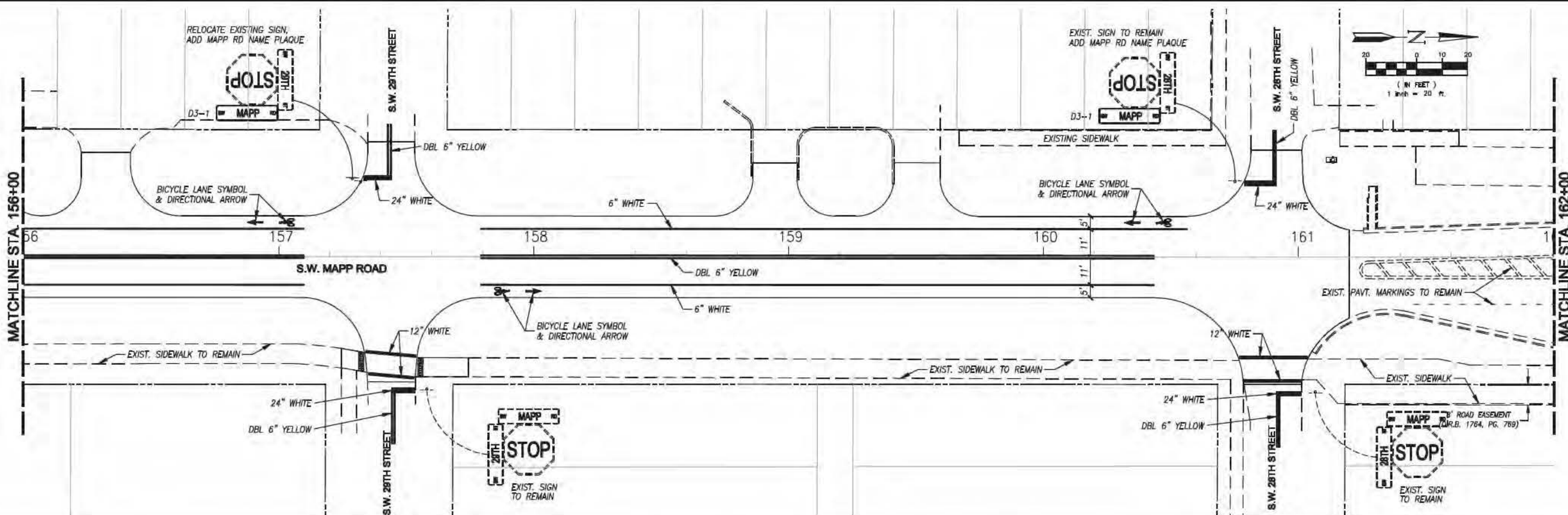
**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

SIGNING & PAVEMENT MARKING PLAN

G. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3536 (Fax) 772-220-0580



SHEET IDENTIFICATION
 27
 SHEET 2 OF 2



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: BTM	DATE: 11.03.2018
DRAWN BY: DLB	SOLICITATION NO.:
SUBMITTED BY: PUB	CONTRACT NO.:
PLOT SCALE: MTS	FILE NUMBER:
SIZE: ANSI D	FILE NAME:

MARK	DESCRIPTION	DATE	APPP

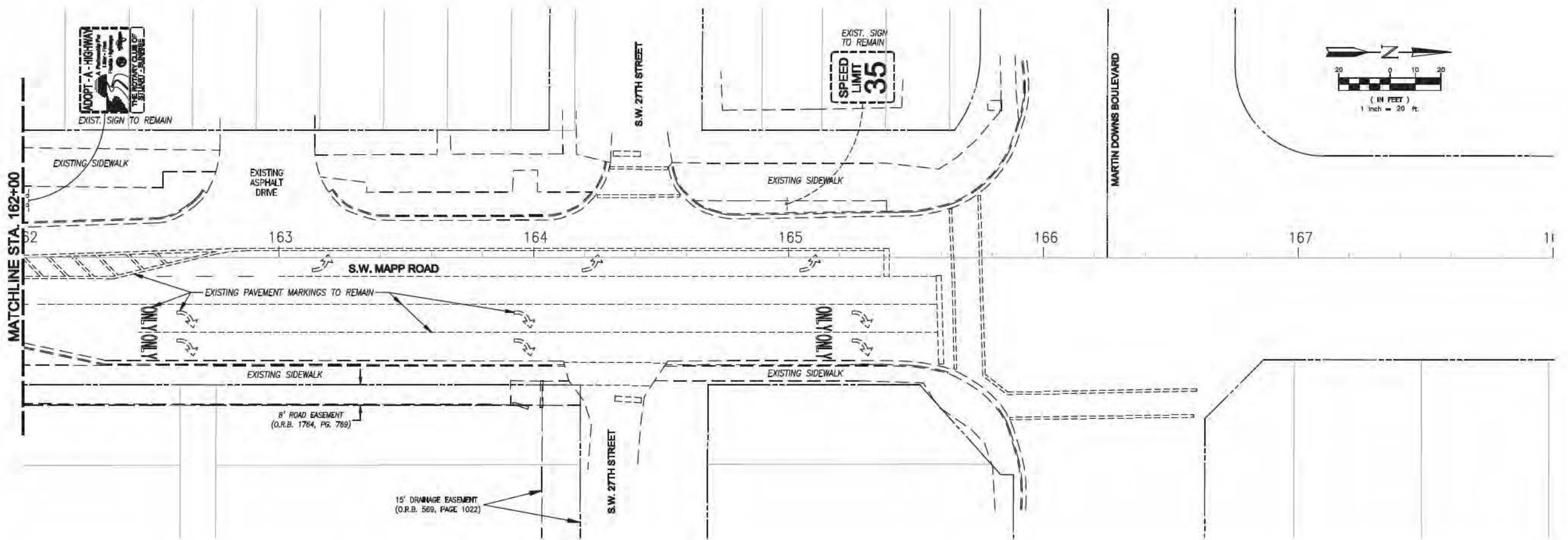
**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

SIGNING & PAVEMENT MARKING PLAN

C. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 950 S. FEDERAL HWY., STUART, FLORIDA 34995
 (772) 772-287-3636 (772) 772-220-2880

Engineer of Record:
 Scott T. Montgomery, P.E.
 P.E. No. 45864

SHEET IDENTIFICATION
 28
 SHEET X OF X



MARTIN COUNTY ENGINEERING
 2401 SE MONTEREY ROAD
 STUART, FLORIDA 34996
 PHONE: (772) 288-5927
 FAX: (772) 288-5955
 www.martin.fl.us

DESIGNED BY: STM	DATE: 11.09.2018
DRAWN BY: DLB	CRD BY:
SUBMITTED BY: PUB	SOLICITATION NO.:
PLOT SCALE: MTS	CONTRACT NO.:
FILE NAME:	FILE NUMBER:
APP ID:	

MARK	DESCRIPTION	DATE	APPR.

**SW MAPP ROAD
 MULTI-MODAL ENHANCEMENTS
 MARTIN COUNTY, FLORIDA**

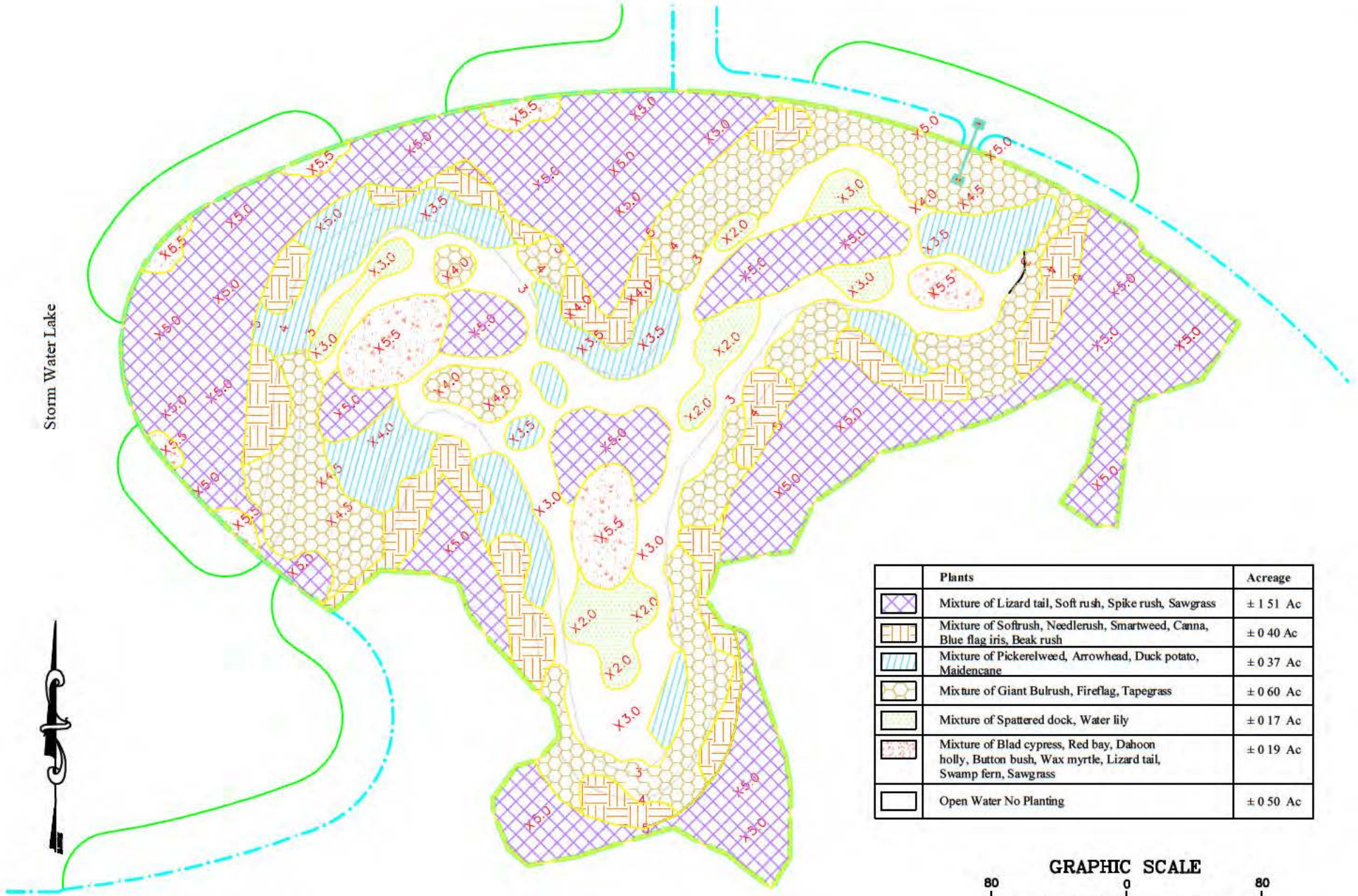
SIGNING & PAVEMENT MARKING PLAN

E. CALYDIE MONTGOMERY & ASSOCIATES, INC.
 Engineers
 P.O. BOX 92, 959 S. FEDERAL HWY., STUART, FLORIDA 34995
 (Tel) 772-287-3636 (Fax) 772-220-2880

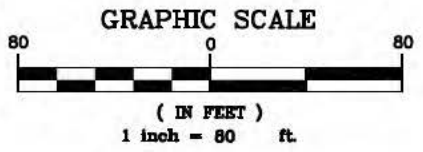


SHEET IDENTIFICATION
29
 SHEET X OF X

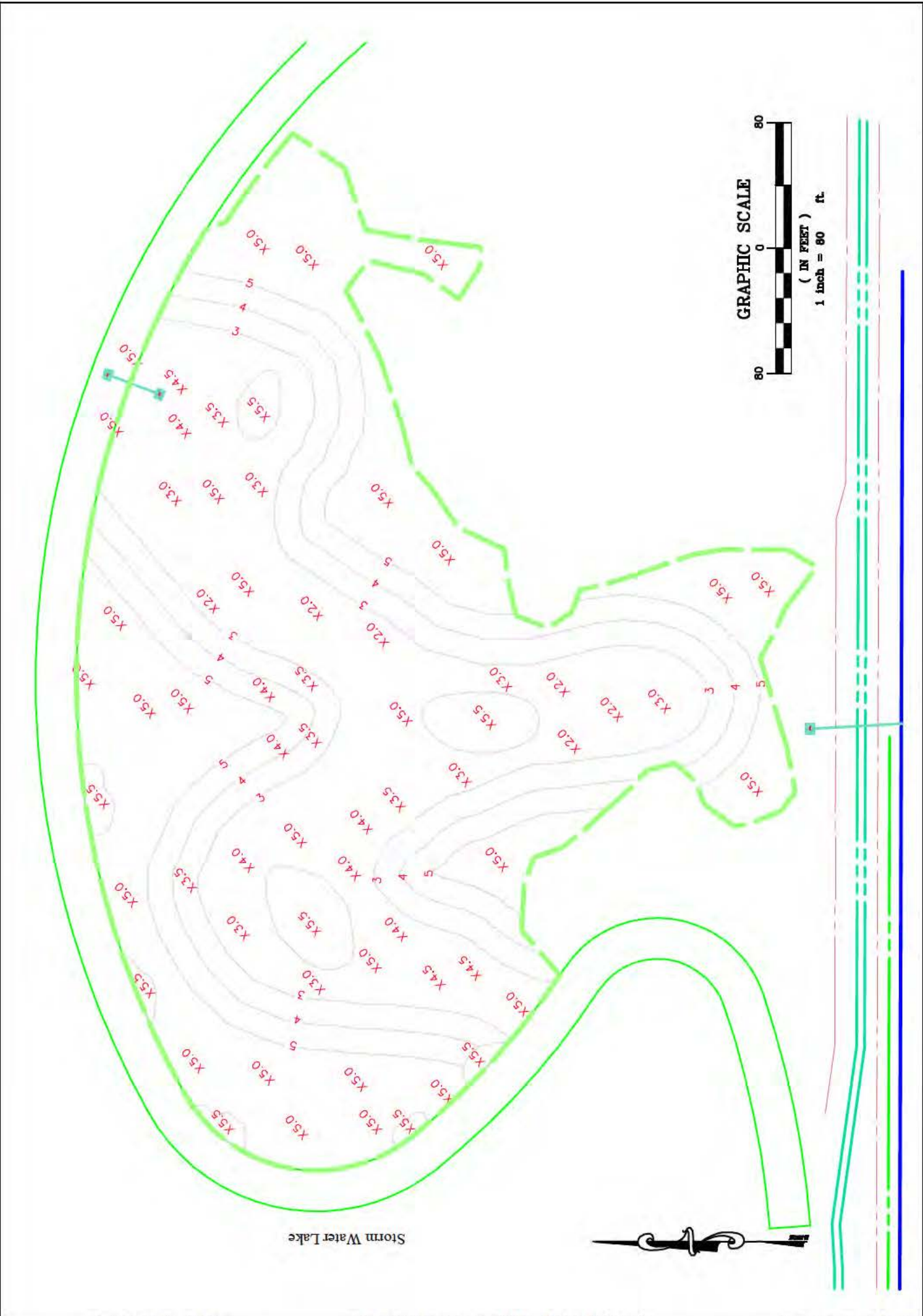
Storm Water Lake



Plants	Acreage
Mixture of Lizard tail, Soft rush, Spike rush, Sawgrass	± 1.51 Ac
Mixture of Sofrush, Needlegrass, Smartweed, Canna, Blue flag iris, Beak rush	± 0.40 Ac
Mixture of Pickerelweed, Arrowhead, Duck potato, Maidencane	± 0.37 Ac
Mixture of Giant Bulrush, Fireflag, Tapegrass	± 0.60 Ac
Mixture of Spattered dock, Water lily	± 0.17 Ac
Mixture of Blad cypress, Red bay, Dahoon holly, Button bush, Wax myrtle, Lizard tail, Swamp fern, Sawgrass	± 0.19 Ac
Open Water No Planting	± 0.50 Ac



Common Name	Scientific Name	Size	O.C.	Quantity
Spattered dock	<i>Nuphar luteum</i>	BR	3 o.c.	407
Fragrant Water Lily	<i>Nymphaea odorata</i>	BR	3 o.c.	407
Giant Bulrush	<i>Scirpus californicus</i>	BR	2 o.c.	2142
Fireflag	<i>Thalia geniculata</i>	BR	2 o.c.	2142
Tape Grass	<i>Vallisneria americana</i>	BR	2 o.c.	2142
Pickerelweed	<i>Pontedaria cordata</i>	BR	2 o.c.	1007
Arrowhead	<i>Sagittaria latifolia</i>	BR	2 o.c.	1007
Duck Potato	<i>Sagittaria lancifolia</i>	BR	2 o.c.	1007
Maidencane	<i>Panicum hemitomon</i>	BR	2 o.c.	1007
Soft Rush	<i>Juncus effusus</i>	BR	2 o.c.	4152
Needle Rush	<i>Juncus gerrardii</i>	BR	2 o.c.	1000
Smartweed	<i>Polygonum Spp.</i>	BR	2 o.c.	1000
Yellow Canna	<i>Canna flaccida</i>	BR	2 o.c.	1000
Blue Flag Iris	<i>Iris hexagona</i>	BR	2 o.c.	1000
Beak Rushes	<i>Rhynchospora spp.</i>	BR	2 o.c.	1000
Lizard's Tail	<i>Saururus cernuus</i>	BR	2 o.c.	4002
Spike Rush	<i>Eleocharis cellulosa</i>	BR	2 o.c.	4002
Sawgrass	<i>Cladium jamaicense</i>	BR	2 o.c.	4002
Bald Cypress	<i>Taxodium distichum</i>	7g	10 o.c.	15
Red Bay	<i>Persea borbonia</i>	7g	10 o.c.	15
Dahoon Holly	<i>Ilex cassine</i>	7g	10 o.c.	15
Button Bush	<i>Cephananthus occidentalis</i>	3g	5 o.c.	50
Wax Myrtle	<i>Myrica cerifera</i>	3g	5 o.c.	50
Swamp fern	<i>Blechnum serrulatum</i>	BR	2 o.c.	700



 <p>1221 SW 27th St. Suite 2 Palm City, Florida 34990 Phone: 888-888-8888</p>	PROJECT: Mapp Road Town Center Martin County, Florida	DRAWING: Wetland Planting Plan	DESIGNED BY: J. Rodriguez PROJECT NO.: 1037.16	SCALE: 80 DATE: 07/29/09	REVISION: B	SHEET: PL-3
	<p>Exhibit 4.0 Application No. 170125-2 Page 3 of 3</p>					