

SAMOSET AREA INTERSECTION IMPROVEMENTS CIP 9012220

DECEMBER 2016

HILLSBOROUGH COUNTY

LAKE PARRISH



PROJECT SITE

VICINITY MAP

PROJECT DESCRIPTION

INTERSECTION RADIUS AND DRAINAGE IMPROVEMENTS ALONG 31ST, 32ND, 34TH AND 36TH AVENUES EAST

SARASOTA COUNTY RELATED STANDARDS AND SPECIFICATIONS SITE LOCATION SARASOTA COUNTY

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION 2015 DESIGN
STANDARDS AND REVISED INDEX DRAWINGS, AS APPENDED HEREIN,
AND APPLICABLE ARTICLES AND SUBARTICLES OF DIVISION I AND
ALL OF DIVISIONS II & III OF THE 2015 STANDARD SPECIFICATIONS
FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT
DOCUMENTS

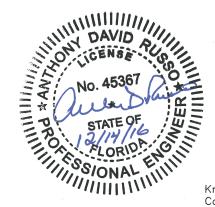
FOR DESIGN STANDARDS CLICK ON THE "DESIGN STANDARDS" LINK AT THE FOLLOWING WEB SITE:

FOR THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION CLICK ON THE "SPECIFICATIONS" LINK AT THE FOLLOWING WEB SITE: HTTP://WWW.DOT.STATE.FL.US/SPECIFICATIONSOFFICE/

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO: ANTHONY D. RUSSO P.E. 1022 26TH AVENUE EAST BRADENTON FLORIDA 34208

CONSTRUCTION PLANS

NO.	INDEX OF SHEETS
1	COVER SHEET
2	QUANTITY SHEET
3	GENERAL NOTES & LEGEND
4	REPAIR LOCATION MAP
5	REPAIR DETAILS
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11	EROSION CONTROL DETAILS





CTION IMPROVEMENT COVER SHEET SAMOSET

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Signature & Date SHEET 1

CHECKED CM/GB 07/2016

ANTHONY D. RUSSO, P.E. FLORIDA P.E. # 45367

DRAWN

GB/JEA 07/2016

LINE	FDOT ITEM	SAMOSET INTERSECTION IMPROVE		
NO.	NO.	DESCRIPTION	EST.	-
1.	101-1	MOBILIZATION	QTY	U/I
2.	102-1	MAINTENANCE OF TRAFFIC		1 LS
3.	104-10-3	Erosion Control		1 LS
4.	110-7-1	MAILBOX, F&I SINGLE (field directed)		1 LS
5.	120-1	REGULAR EXCAVATION (field directed)	10	_
6.	120-6	EMBANKMENT (REGULAR) (field directed)	100	
7.	МС	Crushed Concrete Base (field directed)	100	-
8.	285-710	6.5" ABC-3 BASE COURSE (field directed)	100	_
9.	337-MC	TYPE S-III ASPHALT CONCRETE 1" (INCL TACK COAT) (field directed)	50	-
10.	425	Type 1 Inlet Repair	60	
11.	425	Type 2 Inlet Repair	2	+
12.	425	Type 3 Inlet Repair		-
13.	425	Type 4 Inlet Repair	6	+
14.	425	Type 5 Inlet Repair	4	1
15.	425	Type 6 Inlet Repair	2	+
16.	425	Type 7 Inlet Repair	4	+
17.	430-174-112	PIPE STORM SEWER CULV (RCP) (12")	1	+
	430-174-115	PIPE STORM SEWER CULV (RCP) (15")	80	+
	430-174-118	PIPE STORM SEWER CULV (RCP) (18")	64	+
	430-174-136	PIPE STORM SEWER CULV (RCP) (36")	80	_
	430-174-215	PIPE STORM SEWER CULV (ERCP) (12"X18")	16	+
	430-174-218	PIPE STORM SEWER CULV (ERCP) (14"X23")	336	LF
	MC	Endwall 12" (field directed)	96	LF
24.	MC	Endwall 15" (field directed)	5	EA
25.	MC	Endwall 18" (field directed)	4	EA
-	430-984-138	MITERED END SECTION-RCP- ROUND, 36" SD (field directed)	5	EA
+	MC	Endwall 12"x18" (field directed)	1	EA
\rightarrow	MC	Endwall 14"x23" (field directed)	21	EA
-	522-1	SIDEWALK CONCRETE 4" (field directed)	6	EA
-	522-1	SIDEWALK CONCRETE 6" (field directed)	200	SY
	522-1	Miscelaneaous Concrete 3,000psi (field directed)	80	SY
\rightarrow	527-2	DETECTABLE WARNINGS (field directed)	10	CY
	530-3-4	RIP RAP-RUBBLE (field directed)	90	SF
	550-MC		10	TN
\rightarrow	550-MC	EXISTING FENCE TO BE REMOVED AND RELOCATED (field directed)	100	LF
	570-1-2	4' Chain Link Fence including end and intermediate posts (field directed) PERFORMANCE TURF (BAHIA SOD)	200	LF
-	700-1-50		1,000	SY
	711-11-125	SINGLE POST SIG, RELOCATE (field directed)	16	AS
_	711-11-125	THERMOPLASTIC, STANDARD, WHITE SOLID, 12" (field directed)	1,000	LF
	MC	THERMOPLASTIC, STANDARD, WHITE SOLID, 24" (field directed)	600	LF
	ASTM	Valve Box Adjustment (field directed)	15	LS
-+	ACI	Modified Proctor	5	EA
-+	ACI	Field Density Test	44	EA
		Plastic Properties Tests (Slump, Air, Temp)	44	EA
$\overline{}$	/CI	Compressive Strength Cylinders set of 5	44	EA
45. <i>A</i>	(CI	Compressive Strength Testing	44	EA



SAMOSET AREA
INTERSECTION IMPROVEMENTS
QUANITY SHEET

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| PROJECT # CIP 9012220
| SURVEY # 000
| SEC./TWN./RGE 06/35S/18E
| SCALE N.T.S. |
| BY DATE |
| SURVEYED N/A N/A N/A |
| DESIGNED GB 07/2016 |
| DRAWN GB/JEA 07/2016 |
| CHECKED CM/GB 07/2016

ANTHONY D. RUSSO, P.E. FLORIDA P.E. # 45367

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Signature & Date

GENERAL

- 1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION THE PROJECT MANAGER IS: ANTHONY D. RUSSO AND CAN BE REACHED AT (941) 708-7450 EXT. 7348.
- 2. SITE VISITS ARE MANDATORY FOR ALL BIDDERS. THESE SITE VISITS CAN BE ARRANGED THROUGH THE PROJECT
- 3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
- VERTICAL CONTROL FOR THIS PROJECT WAS ESTABLISHED BY A MINIMUM OF TWO REFERENCE BENCHMARKS DESCRIBED ON THE "THE NATIONAL GEODETIC VERTICAL DATUM OF 1929", (NGVD '29).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
- THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTICATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS
- 7. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
- AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE NATIONAL 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS-OF-WAY.
- NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AND BEFORE 7:00 AM. FOR ADDITIONAL PROJECT RESTRAINTS, REFER TO SECTION 01310 OF THE SPECIFICATIONS.

SAFETY

- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90-96, LAWS OF FLORIDA EFFECTIVE OCTOBER 1, 1990 AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 CFR 1926.650, SUBPART P, AS AMENDED. THE CONTRACTOR SHALL INCLUDE IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE WITH THESE REGULATIONS.
- 11. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND
- 12. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC.
- 13. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

- 14. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION ALL SEDIMENT AND EROSION CONTROL (SEC) DEVICES (E.G., BARRIERS, SEDIMENT TRAPS/BASINS, VEGETATIVE BUFFERS, ETC.) AS SPECIFIED IN THE FOEP EROSION MANUAL. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SEC DEVICES UTILIZED DURING THE PROJECT, AS WELL AS INSTALLATION & MAINTENANCE OF ANY ADDITIONAL MEASURES DEEMED NECESSARY DURING PROJECT IMPLEMENTATION, TO PREVENT EROSION AND OFF—SITE SEDIMENT MIGRATION. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL SEC DEVICES UPON CONCLUSION OF THE PROJECT, AND UPON ADEQUATE STABILIZATION OF DISTURBED SOILS
- 15. WHEN A BENTONITE SPILL OR FRACK-OUT OCCURS OR THERE IS A LOSS OF RETURN INDICATING EXCESSIVE SEEPAGE OR LOSS OF DRILLING FLUID, DRILLING MUST BE STOPPED UNTIL THE LOCATION OF THE SPILL IS IDENTIFIED. UNDER NO CIRCUMSTANCES WILL DRILLING CONTINUE WHEN A SPILL IS APPARENT.
- 16. ONCE LOCATED, THE BENTONITE SPILL MUST BE ISOLATED AND SEEPAGE INTO ANY NEARBY WATER BODIES WILL BI BLOCKED DEPENDING ON THE DEGREE OF THE SPILL, THE ISOLATED BENTONITE MUST BE REMOVED MANUALLY OR MECHANICALLY AND DISPOSED OF BY APPROPRIATE MEANS OR REUSED.
- 17. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS AND TO DITCHES DURING CONSTRUCTION.
- 18. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCA AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.
- 19. STORM WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY AND STATE.
- 20. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF WATER, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1) WEEK OF INSTALLATION
- 21. ALL SWALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED FROM SILTATION AND EROSION DURING CONSTRUCTION AND BE SODDED WITHIN THREE (3) DAYS OF EXCAVATION
- 22. SOIL DISPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE IMPLEMENTED IN AREAS WHICH ARE CONSIDERED ENVIRONMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS, FILTER FABRIC, AND
- 23. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
- 24. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINES RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.
- 25. FOR MORE INFORMATION, SEE THE EROSION CONTROL DETAIL SHEET INCLUDED IN THE PLANS.

- 26. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY/FDOT RIGHT-OF-WAY AND/OR
- 27. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO
- 28. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHTS-OF-WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION. "MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES". A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.
- 29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES, PIPING,

- ENTRANCE PIPE AND HEADWALLS WHETHER SHOWN ON THE PLANS OR NOT. THE HEADWALLS SHALL BE REPLACED IN ACCORDANCE WITH F.D.O.T. STANDARDS.
- 30. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIGHT-OF-WAY LINES, BASE LINES, BENCH MARKS (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT.
- 31. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER SECTION 02575.
- 32. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE PROJECT MANAGER FROM THE PROPERTY OWNER BEFORE ANY DRIVEWAY CONSTRUCTION WORK IS DONE OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENT.

- 33. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ASSOLUTED. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ON THE PLANS) THAT MAY EFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONNECTION TO THE PLANS) THAT MAY EFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
- 34. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE—CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO
- 35. THE CONTRACTOR SHALL USE APPROPRIATE TECHNIQUES, AS APPROVED, RECOMMENDED OR OFFERED BY FLORIDA POWER AND LIGHT TO PREVENT UNDERMINING OF POWER POLES DURING CONSTRUCTION. IF HOLDING OF POWER POLES IS RECOMMENDED OR REQUIRED BY THE UTILITY, THE CONTRACTOR SHALL COORDINATE THIS ACTIVITY WITH THE UTILITY
- 36. ANY TEMPORARY SHUTDOWNS FOR MODIFICATIONS OF EXISTING UTILITY SYSTEMS THAT MUST REMAIN IN SERVICE DURING CONSTRUCTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE COORDINATED WITH AND APPROVED BY THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IT IS NOTED THAT TEMPORARY SHUTDOWNS MAY BE RESTRICTED TO CERTAIN HOURS AT ANY TIME OF THE DAY OR NIGHT AND WILL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.
- 37. FOR WORK BEING DONE ON EXISTING SANITARY SEWER LINES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE FLOW OF ALL SEWAGE DURING CONSTRUCTION, WHICH MAY REQUIRE BY-PASS PUMPING AND/OR PUMPER TRUCKS. THE CONTRACTOR SHALL SUBMIT A DETAILED BY-PASS PUMPING PLAN PER SECTION 02720.

LOCATES

- 70. THE FOLLOWING IDENTIFIES THE QUALITY LEVEL OF EXISTING UTILITY LINEWORK IN ASCENDING ORDER. LEVEL "O" -EXISTING RECORDS OR GIS LEVEL "C" -SURFACE VISIBLE FEATURES SURVEY

- LEVEL C -SURFACE VISIDLE FEMTURES SURVEI LEVEL "B" -DESIGNATED BY GPR OR FLAGGING (HORIZONTAL) LEVEL "A" -LOCATED VISUALLY OR SOFT DIGS (HORIZONTAL AND VERTICAL)
- REFENCE FDOT 2010 UTILITIES ADJUSTMENT MANUAL (UAM)

- 71. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES
- 72. ALL DISTURBED GRASSED AREAS SHALL BE SODDED OR SEEDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT—OF—WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER.
- 73. ALL CONCRETE THRUST BLOCKS INSTALLED FOR TESTING PURPOSES AND NOT REQUIRED FOR THE OPERATION OF THE PIPELINE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, PRIOR TO FINAL ACCEPTANCE, AT NO ADDITIONAL COST TO THE OWNER.
- 74. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED PER SECTION 02513.
- 75. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN, SECTION 522, AND SECTION 310 OF THE F.D.O.T. DESIGN STANDARDS.
- 76. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT PLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE LINE IN AREAS WHERE TRAFFIC MUST PASS, THE CONTRACTOR SHALL INSTALL A TEMPORARY SURFACE CONSISTING OF NINE INCHES OF COMPACTED LIME ROCK BASE AND A COAT OF ASPHALT EMULSION. PERMANENT ROADWAY REPAIR SHALL BE PERFORMED A MAXIMUM OF TWENTY—ONE CALENDAR DAYS AFTER
- 77. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE COMPLETED WITHIN FORTY-FIVE CALENDAR DAYS OF INITIAL DISTURBANCE, OR TWENTY-ONE CALENDAR DAYS OF SUBSTANTIAL COMPLETION, WHICHEVER

- 78. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFFLES POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES, AS APPROVED BY THE ENGINEER.
- 79. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS SHALL BE SWEPT DAILY AS PART OF DAILY CLEAN UP.
- 80. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
- 81. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.
- 82. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA. 83. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY.
- DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM. 84. ALL PIPING AND FITTINGS USED ON THIS PROJECT SHALL BE AS NOTED ON THE PLANS AND IN THE CONTRACT DOCUMENT AND SHALL BE INSTALLED TO THE LINES AND GRADES SHOWN ON THE PLANS AND PROFILES.
- 85. ALL PIPE SHALL BE COLOR CODED TO CONFORM TO MANATEE COUNTY STANDARDS.
- 86. ALL PIPE AND FITTINGS SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER AND ALL PIPE JOINTS SHALL BE RESTRAINED WHERE REQUIRED.
- 87. ALL FITTINGS FOR PRESSURE CLASS—RATED PIPE SHALL BE RESTRAINED DUCTILE IRON. RESTRAINED LENGTHS OF PIPE SHALL ADHERE TO THE REQUIREMENTS AS SHOWN ON THE DETAIL SHEETS.
- 88. WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE DEFLECTION SHALL NOT EXCEED 75% OF THE MANUFACTURER'S MAXIMUM ALLOWABLE RECOMMENDED DEFLECTION.
- 89. ALL PIPE LENGTHS ARE PLUS OR MINUS AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED. PIPE MEASUREMENTS ARE TO CENTER OF STRUCTURES OR FITTINGS.
- 90. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL.

 BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES
- 91. ONLY MANATEE COUNTY UTILITY OPERATIONS STAFF ARE AUTHORIZED TO OPERATE VALVES ON COUNTY OWNED AND MAINTAINED UTILITY SYSTEMS.

- 92. ALL PENETRATION OF EXISTING STRUCTURES SHALL BE BY THE MECHANICAL ROTARY CORE BORING METHOD.
- 93. ALL CONCRETE PENETRATED OR DISTURBED SHALL BE COATED WITH TWO COATS OF EPOXY.
- 94. THE CONTRACTOR, PRIOR TO ANY TEMPORARY WATER SHUT-OFFS DURING WATER MAIN TIE-IN, ETC., SHALL NOTIFY THE AFFECTED RESIDENTS BY POSTING INFORMATIONAL SIGNS IN THE NEIGHBORHOOD AT LEAST TWO DAYS (48 HRS) PRIOR TO THE WATER SHUT-OFF. REFERENCE SECTION 01580, PARAGRAPH 1.03 OF THE SPECIFICATIONS. WHEN FEASIBLE, "DOOR HANGERS" SHALL BE DELIVERED TO AFFECTED RESIDENCES AT LEAST TWO DAYS (48 HRS) PRIOR TO WATER SHUT-OFF. FOR LARGE PROJECTS WITH HUNDREDS OF HOMES AFFECTED, THE CONTRACTOR SHALL ALSO MAKE EXTENSIVE USE OF THE MEDIA AND SHALL HAVE PRIOR CONTACT WITH HOMEOWNER'S ASSOCIATIONS. WRITTEN NOTIFICATIONS SHALL ALSO BE FAXED TO THE TAMPA TRIBUNE, BRADENTON HERALD, SARASOTA HERALD TRIBUNE, WBRD RADIO, EMERGENCY COMMUNITY CENTERS, INSPECTIONS, WATER TREATMENT PLANT, WATER MANAGER, HELPLINE, CUSTOMER SERVICE. AND THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT. CUSTOMER SERVICE, AND THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT
- 95. ALL NEW PIPE LINES SHALL BE PIG CLEANED (4" AND LARGER), FLUSHED, PRESSURE TESTED, DISINFECTED AND CERTIFIED PRIOR TO TIE—INS TO EXISTING FACILITIES. THE CONTRACTOR WILL BE ALLOWED TO USE TEMPORARY PLUGS FOR PIG CLEANING AND PRESSURE TESTING.
- 96. ALL TEST POINT PIPING SHALL BE CUT LOOSE FROM THE CORPORATION STOP AND COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE. A CORPORATION STOP PLUG SHALL BE INSTALLED AND THE CORPORATION STOP SHALL BE INSTALLED AND THE CORPORATION STOP SHALL REMAIN IN PLACE.
- 97. ALL EXISTING MAINS THAT ARE BEING REPLACED SHALL BE ABANDONED IN PLACE UPON ACCEPTANCE AND ACTIVATION OF THE NEW MAINS. ABANDONED MAINS SHALL BE CUT, FILLED WITH GROUT, AND CAPPED. REFER TO SECTION 02064 OF THE SPECIFICATIONS FOR GROUTING OF ABANDONED PIPE.
- 98. WATER MAINS CROSSING OVER OR UNDER SANITARY SEWERS, FORCE MAINS, AND RECLAIMED WATER LINES SHALL BE LAID PER CURRENT EDITION OF "10 STATE STANDARDS" AND MANATEE COUNTY UTILITY STANDARDS UNLESS NOTED OTHERWISE ON THE PLANS.
- 99. FIELD CONDITIONS MAY NECESSITATE MINOR ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED UTILITIES TO AVOID OBSTACLES, AS ORDERED BY THE ENGINEER.

CONTACTS

MANATEE COUNTY PUBLIC WORKS DEPT.
INFRASTRUCTURE ENGINEERING SCOTT MAY, P.F. 1022 26TH AVENUE FAST BRADENTON, FL. 34208 (941) 708-7450 EXT. 7650 FAX: (941) 708-7431

TECO/PEOPLES GAS CO. DAN SHANAHAN 8261 VICO COURT SARASOTA, FL. 34240 (941) 342-4030 FAX: (941) 342-4011 EMERGENCY: 1-877-832-6911 djshanahan@tecoenergy.com

SUNSHINE STATE ONE CALL OF 1-(800) 432-4770

FRONTIFR WAYNE SUMNER 1701 RINGLING BLVD. SARASOTA, FL. 34236 (941) 330-9203 WAYNE.SUMNER@ftr.com

FLORIDA POWER & LIGHT DISTRIBUTION
GREG COKER
1253 12TH AVENUE EAST
PALMETTO, FL 34221 (941) 723-4430 FAX: (941) 723-4444 EMERGENCY: 1-800-4-OUTAGE Greg_Coker@fpl.com

FLORIDA POWER & LIGHT TRANSMISSION
GARY PETERSON
15430 ENDEAVOR DR
JUPITER, FI. 33478 (561) 904-3665 Gary.n.peterson@fpl.com

MANATEE COUNTY HEALTH DEPT. HANS C. ROESE
410 6th AVENUE EAST
BRADENTON, FL. 34208 (941) 748-0747 EXT. 1342 FAX: (941) 750-9364 hans_roese@doh.state.fl.us

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
SARASOTA SERVICE OFFICE
STEVE LOPES, P.E.
6750 FRUITVILLE ROAD SARASOTA, FL. 34240 (941) 377-3722 FAX: (941) 373-7660

FLORIDA GAS TRANSMISSION SAFETY HARROR TEAM 7804 ANDERSON RD. TAMPA, FL. 33634 CHRIS LEE (813) 466–3327 CELL: (727) 639-7512 christopher.lee@sug.com

CHARTER COMMUNICATIONS TOM WRIGHT 5413 E. STATE ROAD 64 BRADENTON, FL. 34208-5535 (941) 748–3816 EXT. 21348

DEPARTMENT OF ENVIRONMENTAL PROTECTION ED WATSON 13051 N. TELECOM PKWY TEMPLE TERRACE, FL 336 PHONE: (813) 470-5875 FAX: (813) 470-5993

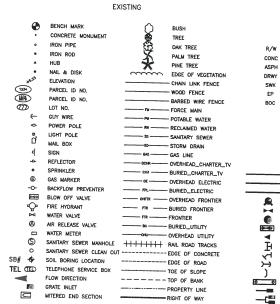
PEACE RIVER ELECTRIC COOPERATIVE, INC. P.O. BOX 1310

MANATEE COUNTY PUBLIC WORK DEPT TRAFFIC ENGINEERING FAX: (941) 749-3571

WACHULA, FL 33873 ERIN RUHTZ (863) 767-4660 erin.ruhtz@preco.coop

VISHAL KAKKAD, P.E. (941) 749-3500 EXT. 7812

LEGEND



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ABBREVIATIONS

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ACE LINE CHEMENT !!!!!!!!!! SANITARY SEWER MANHOLE BLOW OFF ASSEMBLY REDUCER TEE HORIZONTAL BEND

VERTICAL BEND

SERVICE LINE & METER

DOUBLE SERVICE

ANTHONY D. RUSSO, P.E. FLORIDA P.E. # 45367 MASTER METER ASSEMBLY

Signature & Date

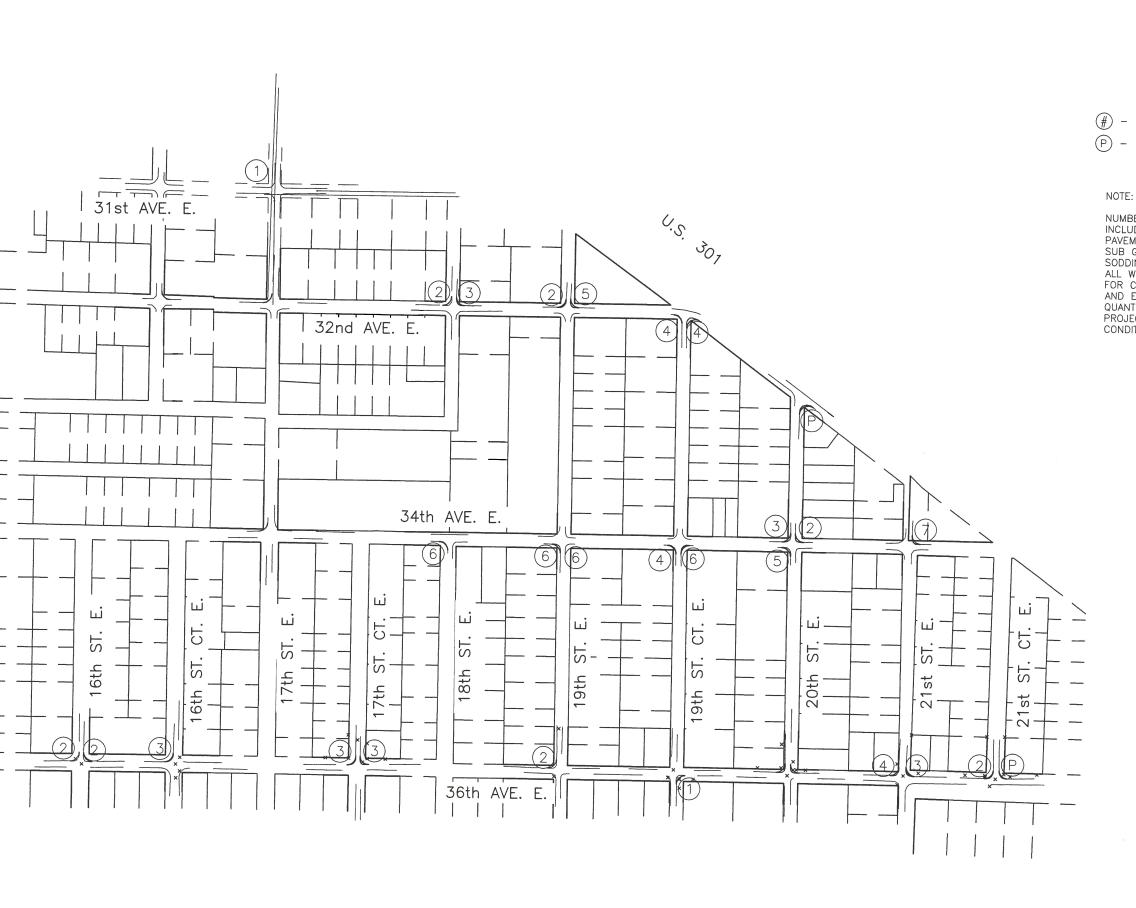
CHECKED CM/GB 07/2016

SHEET 3

Manatee County PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 3420

S

IMPROVEMENT RE 8 NOTES SE CTION GENERAL MO $oxed{oxed}$





- REPAIR TYPE (SEE DETAIL SHEET)

- PAVEMENT REPAIR ONLY

NUMBER REPAIR TYPES ARE LUMP SUM INCLUDING EXCAVATION, DEMOLITION, PAVEMENT CUTTING, CONCRETE, FILL, SUB GRADE, BASE, ASPHALT, AND SODDING ALL DISTURBED AREAS, FOR ALL WORK SHOWN IN THE DETAILS AND FOR COMPLETE ASSEMBLY, EXCEPT PIPES AND END WALLS ARE UNIT PRICE AT QUANTITIES AS DIRECTED BY THE PROJECT ENGINEER BASED ON FIELD CONDITIONS.

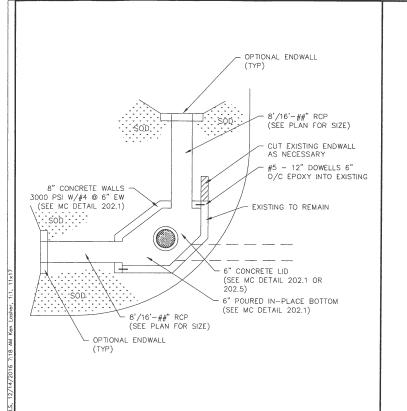
SAMOSET AREA INTERSECTION IMPROVEMENTS
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REVISION DESCRIPTION											
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PROJECT #					CIP 9012220						
SURVEY #					000						
SEC./TWN./RGE					06/35S/18E						
SCALE					N.T.S.						
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DAVID SCALL
SURVEYED
DESIGNED
DRAWN
CHECY
A' N/A N/A GB 07/2016 GB/JEA 07/2016 STATE OF WEST CHECKED CM/GB 07/2016

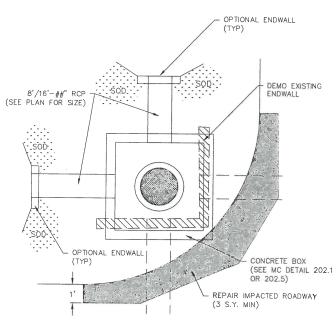
ANTHONY D. RUSSO, P.E. FLORIDA P.E. # 45367

> Signature & Date SHEET 4



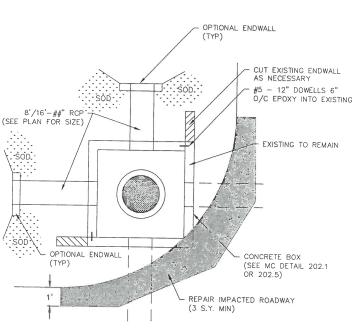
NOTE: ALL WORK LUMP SUM EXCEPT PIPE AND ENDWALL ARE UNIT PRICE AT QUANTITIES PER FIELD CONDITIONS. MATCH EXISTING GRADES TO PROVIDE POSITIVE FLOW. TYPE 1 REPAIR

EXISTING ANGLED HEADWALL



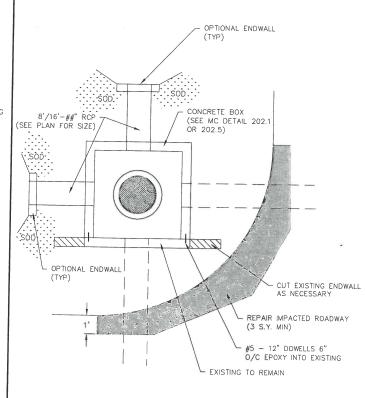
NOTE: ALL WORK LUMP SUM EXCEPT PIPE AND ENDWALL ARE UNIT PRICE AT QUANTITIES PER FIELD CONDITIONS. MATCH EXISTING GRADES TO PROVIDE POSITIVE FLOW.

TYPE 2 REPAIR DAMAGED EXISTING DOUBLE HEADWALL



NOTE: ALL WORK LUMP SUM EXCEPT PIPE AND ENDWALL ARE UNIT PRICE AT QUANTITIES PER FIELD CONDITIONS. MATCH EXISTING GRADES TO PROVIDE POSITIVE FLOW.

TYPE 3 REPAIR EXISTING DOUBLE HEADWALL

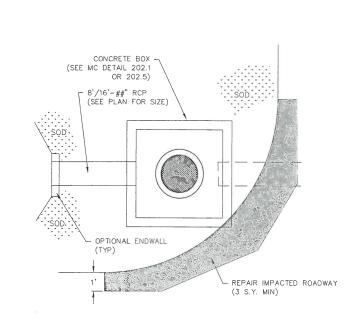


NOTE: ALL WORK LUMP SUM EXCEPT PIPE AND ENDWALL ARE UNIT PRICE AT QUANTITIES PER FIELD CONDITIONS. MATCH EXISTING GRADES TO PROVIDE POSITIVE FLOW.

TYPE 4 REPAIR EXISTING SINGLE HEADWALL

No. 4520

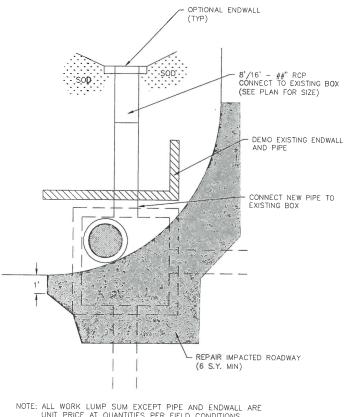
STATE OF 12/14/16 A 3



NOTE: ALL WORK LUMP SUM EXCEPT PIPE AND ENDWALL ARE UNIT PRICE AT QUANTITIES PER FIELD CONDITIONS.

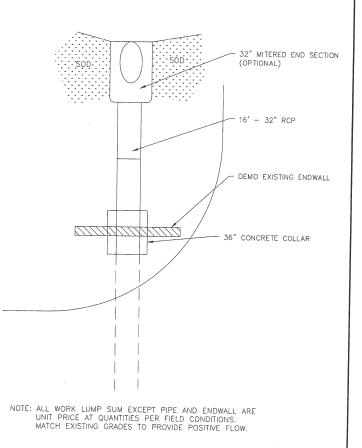
MATCH EXISTING GRADES TO PROVIDE POSITIVE FLOW.

TYPE 5 REPAIR NO HEADWALL

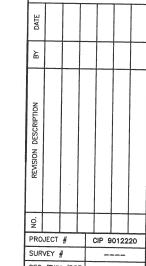


NOTE: ALL WORK LUMP SUM EXCEPT PIPE AND ENDWALL ARE UNIT PRICE AT QUANTITIES PER FIELD CONDITIONS. MATCH EXISTING GRADES TO PROVIDE POSITIVE FLOW.

TYPE 6 REPAIR EXTEND PIPE TO EXISTING BOX



TYPE 7 REPAIR EXTEND EXISTING PIPE



Manatee County

INTERSECTION IMPROVEMENTS

DETAILS

REPAIR

AREA

AMOSET

DAVID

SCALE

SURVEYED N/A

DESIGNED GB 07/2

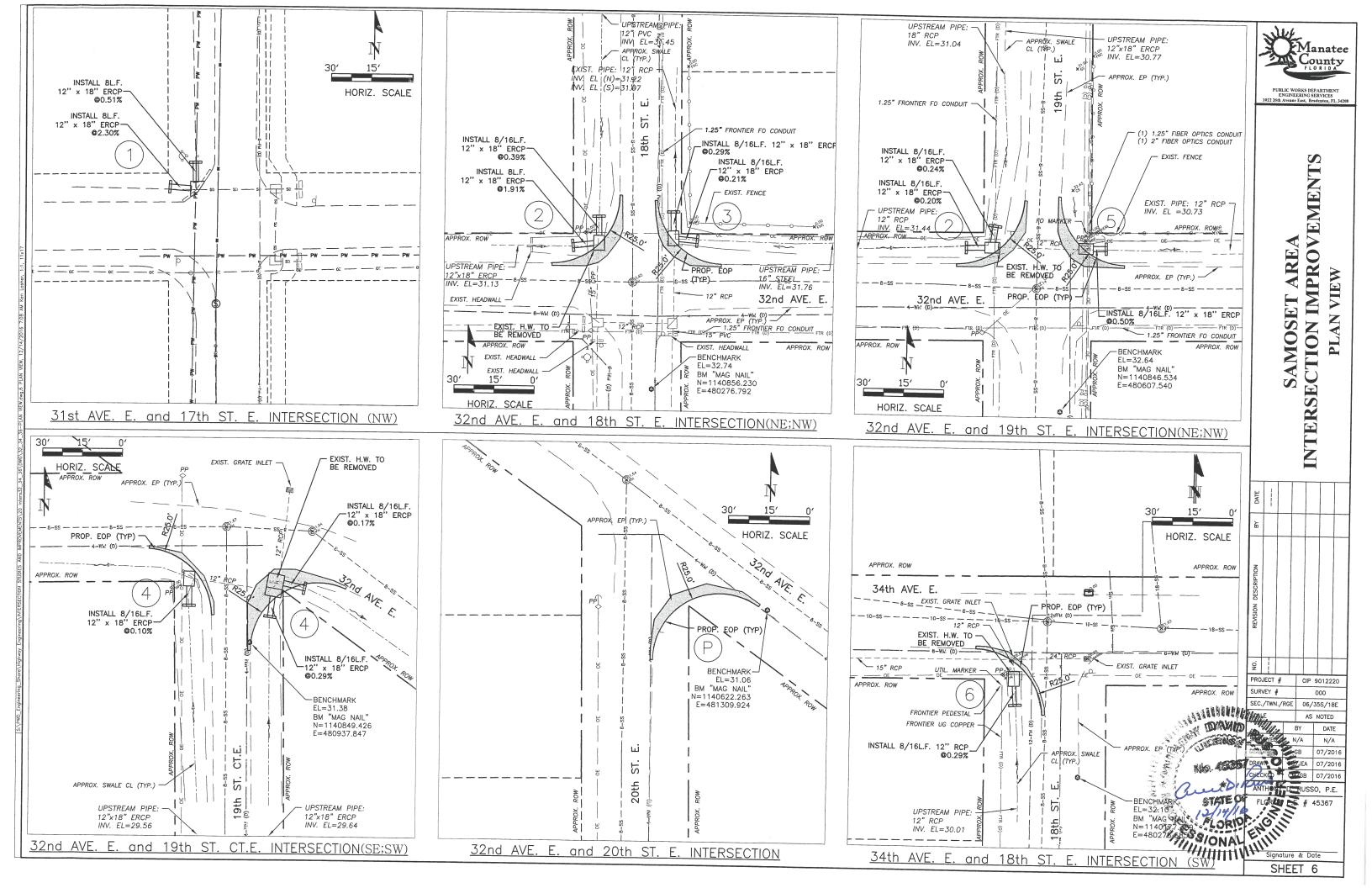
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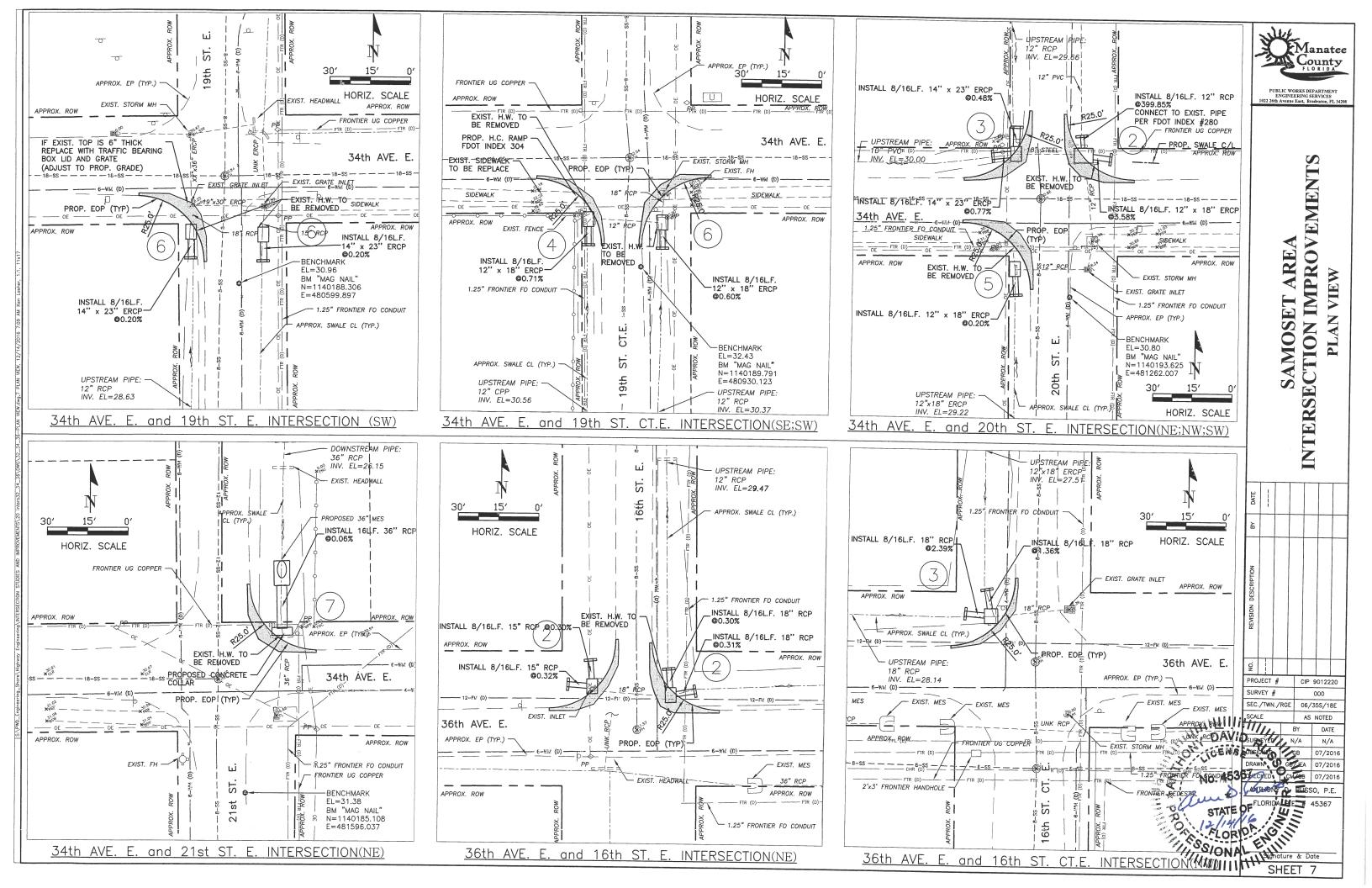
CHECKED CM/GB 07/2016

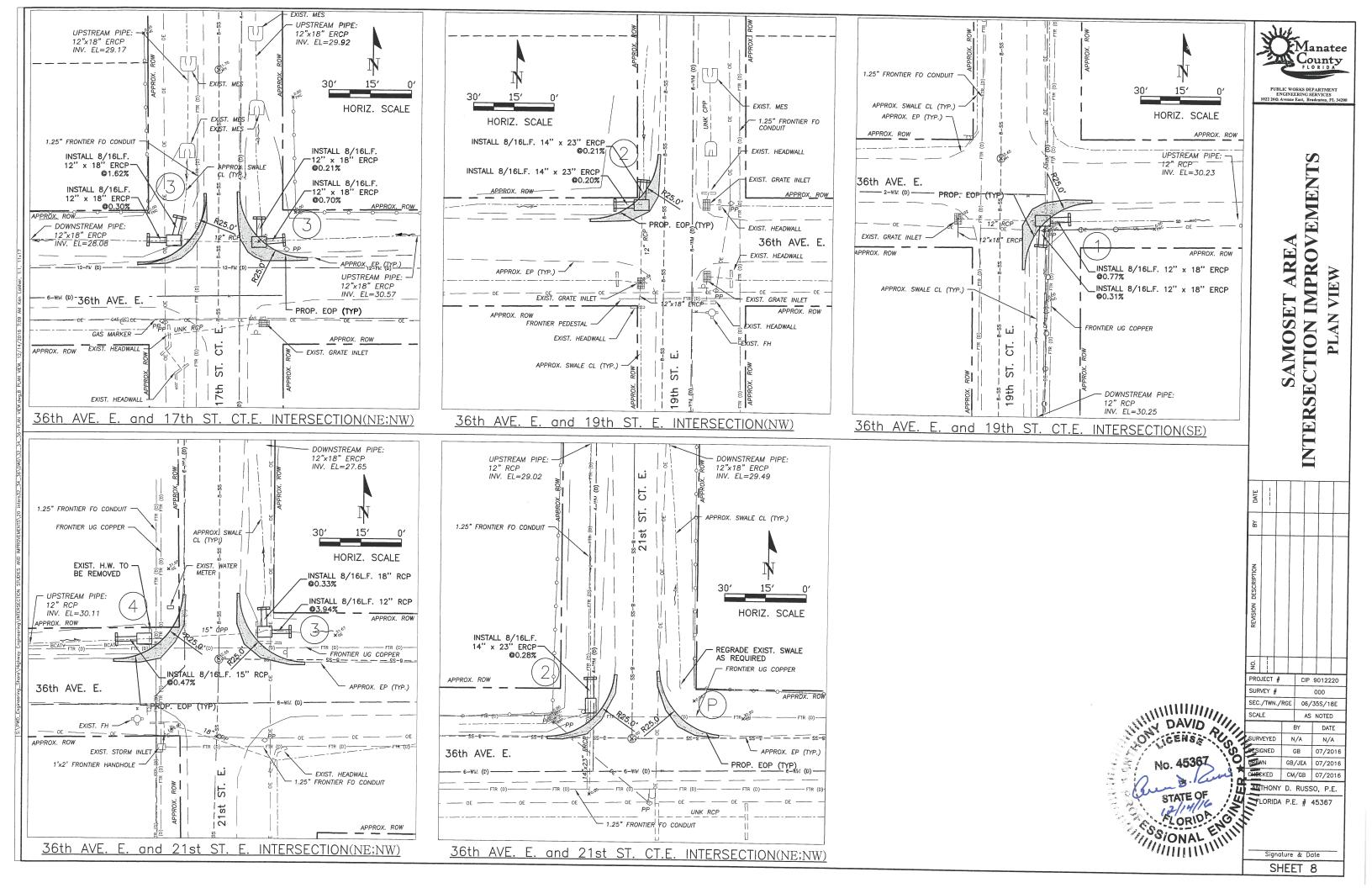
ANTHONY D. RUSSO, P

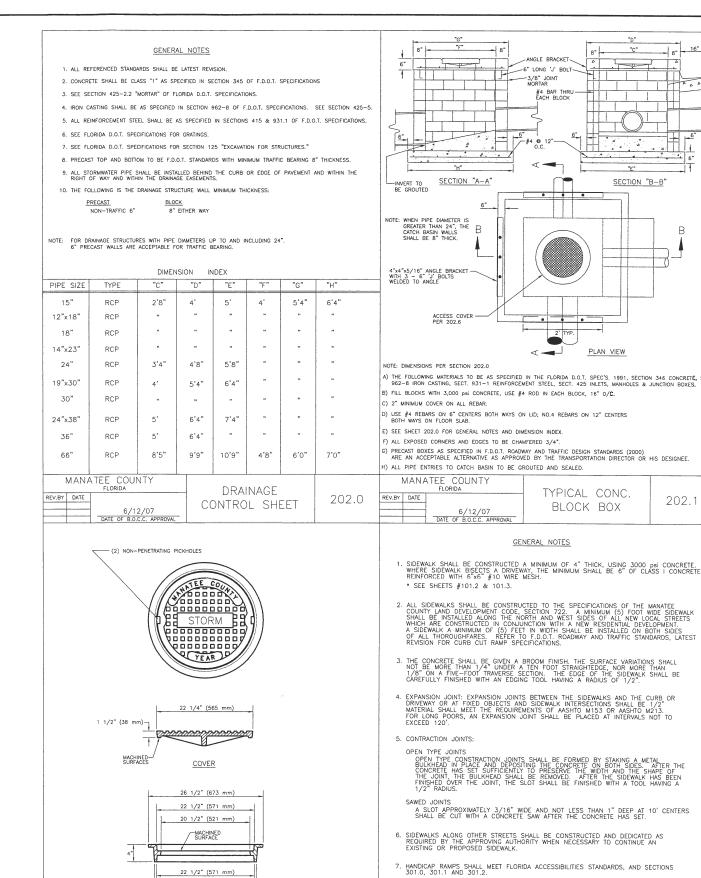
FLORIDA P.E. 1

Signature & Date SHEET 5









23 1/2

USF 1110 RING & PROPOSED COVER

ACCESS COVER

FOR STORMWATER

JUNCTION BOX

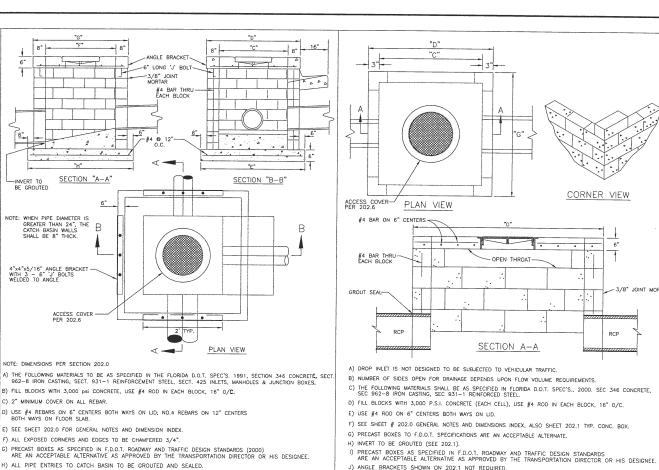
(PUBLIC)

203.1

2 - COVER WEIGHT: 105 LBS. APPROX.

3 - RING WEIGHT: 90 LBS. APPROX.

MANATEE COUNTY



GENERAL NOTES

LOPEN TYPE CONSTRACTION JOINTS SHALL BE FORMED BY STAKING A METAL BULKHEAD IN PLACE AND DEPOSITION THE CONCRETE ON BOTH SIDES. AFTER THE CONCRETE HAS SET SUFFICIENTLY TO PRESERVE THE WIDTH AND THE SHAPE OF THE JOINT, THE BULKHEAD SHALL BE REMOYED. AFTER THE SIDEWALK HAS BEEN FINISHED OVER THE JOINT, THE SLOT SHALL BE FINISHED WITH A TOOL HAVING A 1/2" RADIUS.

A SLOT APPROXIMATELY 3/16" WIDE AND NOT LESS THAN 1" DEEP AT 10' CENTERS SHALL BE CUT WITH A CONCRETE SAW AFTER THE CONCRETE HAS SET.

TYPICAL CONC. 202.1 BLOCK BOX

MANATEE COUNTY 6/12/07 DATE OF B.O.C.C. APPROVA

PLAN VIEW

A) DROP INLET IS NOT DESIGNED TO BE SUBJECTED TO VEHICULAR TRAFFIC.

G) PRECAST BOXES TO F.D.O.T. SPECIFICATIONS ARE AN ACCEPTABLE ALTERNATE.

E) USE #4 ROD ON 6" CENTERS BOTH WAYS ON LID.

J) ANGLE BRACKETS SHOWN ON 202.1 NOT REQUIRED.

B) NUMBER OF SIDES OPEN FOR DRAINAGE DEPENDS UPON FLOW VOLUME REQUIREMENTS.

RCP

THROAT DETAIL FOR DROP INLET

SECTION A-A

C) THE FOLLOWING MATERIALS SHALL BE AS SPECIFIED IN FLORIDA D.O.T. SPEC'S., 2000. SEC 346 CONCRETE, SEC 962-8 IRON CASTING, SEC 931-1 REINFORCED STEEL.

D) FILL BLOCKS WITH 3,000 P.S.I. CONCRETE (EACH CELL), USE #4 ROD IN EACH BLOCK, 16" O/C.

F) SEE SHEET # 202.0 GENERAL NOTES AND DIMENSIONS INDEX, ALSO SHEET 202.1 TYP. CONC. BOX.

CORNER VIEW

MANATEE COUNTY 202.3

28"x28" C.I. GRATE OF ROUND ACCESS COVER

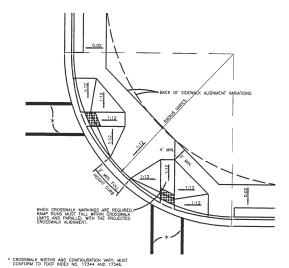
NOTE: DIMENSIONS "D" & "G" PER SECTION 202.0

G) INVERT TO BE GROUTED (SEE 202.1).

I) ANGLE BRACKETS SHOWN ON 202.1 NOT REQUIRED.

TRAFFIC BEARING BOX LID

202.5



2) SEE SHEETS # 300.1 "GENERAL NOTES" & # 301.2 "HANDICAPPED RAMP" SHT 2 FOR FURTHER REQUIREMENTS.

A) 25' RAD. LOCAL STREET WITH ALLEY

B) 25' RAD, LOCAL STREET WITH LOCAL STREET.

C) 35' RAD. LOCAL STREET WITH THOROUGHFARE OR COLLECTOR.

) CURB CUT RAMPS ARE TO BE LOCATED AS SHOWN ON PLANS.

5) BOTH LOCATION OPTIONS FOR HANDICAPPED RAMP ARE SHOWN. ENGINEER MAY SELECT EITHER, WHICHEVER FITS THE SITUATION.

NOTE: FOR COMPLETE HANDICAP, PUBLIC SIDEWALK AND CURB RAMP DETAILS, SEE F.D.O.T. DESIGN STANDARDS 2006 EDITION, INDEX 304, SHEETS 1 THROUGH 6.

EDGE OF — DETECTABLE WARNING Ф Ф TRUNCATED DOME (SEE DETAIL) \ominus \circ \ominus \circ \circ 0 0 0 0 PLAN VIFW -INTEGRAL DOME 0.2"

SECTION A-A

PLAN VIEW

A) ALTERNATE C.I. GRATES, 18"X 24", 24"X 24", 28"X 36" OR ACCESS COVER (202.6).

B) 8" TRAFFIC BEARING LID W/ REINFORCING C.I. RING & DOUBLE ROW OF #4 REBAR.

E) USE #4 ROD ON 6" CENTERS BOTH WAYS ON LID. (SEE 202.3 E)

C) FOLLOWING MATERIALS ARE SPECIFIED IN FLORIDA D.O.T. SPEC'S., 2000. SEC 346 CONCRETE, SEC 962-8 IRON CASTING, SEC 931-1 REINFORCED STEEL.

PRECAST BOXES AS SPECIFIED IN F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS ARE AN ACCEPTABLE ALTERNATIVE AS APPROVED BY THE TRANSPORTATION DIRECTOR OR HIS DESIGNEE.

D) FILL BLOCKS WITH 3,000 P.S.I. CONCRETE (EACH CELL), USE #4 ROD IN EACH BLOCK, 16" O/C.

F) SEE SHEET # 202.0 GENERAL NOTES AND DIMENSIONS INDEX, ALSO SHEET 202.1 TYP. CONC. BOX.

TRUNCATED DOME CURB RAMP DETECTABLE WARNING DETAIL

NOTES:

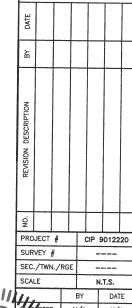
DETECTABLE WARNINGS ON WALKING SURFACES

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

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

FManatee | County FLORID PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES

> INTERSECTION IMPROVEMENT GENERAL DETAILS ARE, **AMOSET**



SEC.,
SCALE

SEC.,
SCALE

DAVID
SUPPLED
N/A

DESCRIPTION
OF BRUSSO, P.E.

FLORID
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8. ALL SIDEWALKS ON R/W WITHIN 10' OF AN EXISTING OR PROPOSED TREE THAT WILL EXCEED 6" IN DIAMETER AT MATURITY SHALL BE 5" THICK AND CONTAIN 2-#3 REBAR CENTERED VERTICALLY AND SPACED 3" ON CENTER. PALMS ARE NOT CONSIDERED TREES. D) 50' RAD. THOROUGHFARE WITH THOROUGHFARE) CURB RADIUS SHOULD BE A MINIMUM OF 50' WHERE INDUSTRIAL AND BUS TRAFFIC (5% OR MORE) IS ANTICIPATED ON LOWER CLASSIFICATION ROADWAYS.

*NOTE: FOR COMPLETE SIDEWALK DETAILS, SEE F.D.O.T. DESIGN STANDARDS, 2006 EDITION, INDEX 304, SHEETS 1 THROUGH 6 AND INDEX 310, SHEETS 1 & 2.

6/12/07 DATE OF B.O.C.C. APPROVA

DATE OF B.O.C.C. APPROVA

* SEE SHEETS #101.2 & 101.3.

MANATEE COUNTY

SIDEWALKS

GENERAL NOTES

MANATEE COUNTY 301.0 REV.BY DATE

302.1

MATERIAL USED TO PROVIDE CONTRAST SHOWN ATERIAL USED TO PROVIDE CONTRAST SHOWN ON INTERIOR SUMMARKS SURFACES IN RESILIERCY OR SOUND-ON-LAND.

JOINING WAKING SURFACES IN RESILIERCY OR SOUND-ON-LAND.

JOINING WAKING SURFACES IN RESILIERCY OR SOUND-ON-LAND.

JOINING WAKING SURFACES IN SECTION OF THE LIGHTER AREA AND 82 — IDENTITY OF THE LIGHTER AREA AND 82 — IDENTITY OF THE LIGHTER AREA.

NOTE THAT IN ANY APPLICATION BOTH WHITE AND BLACK ARE NEVER ABSOLUTE; THE BIT STATE OF THE LIGHTER AREA AND 82 — IDENTITY OF THE LIGHTER AREA.

NOTE THAT IN ANY APPLICATION BOTH WHITE AND BLACK ARE NEVER ABSOLUTE; THE BIT STATE OF THE LIGHTER AREA.

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NOTE THAT IN ANY APPLICATION BOTH WHITE AND BLACK ARE NEVER ABSOLUTE; THE BIT STATE OF THE LIGHTER AREA.

STATE OF THE COUNTY CURB RAMP

DETECTABLE

SHEET STATE OF THE COUNTY SHEET OF THE LIGHTER AREA.

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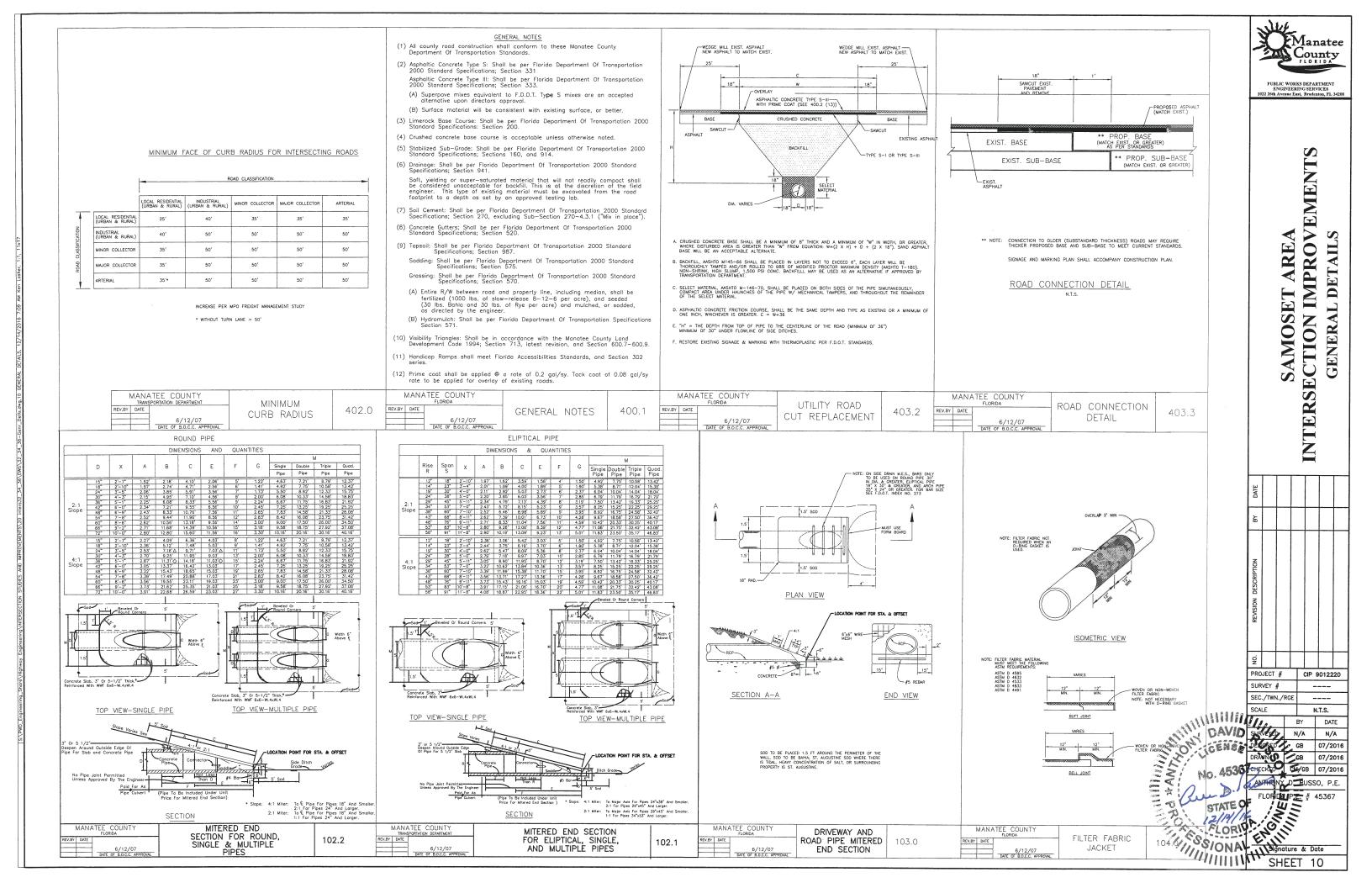
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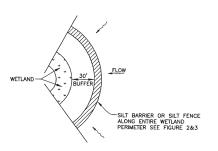
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SHEET STATE OF THE COUNTY STATE OF THE LIGHTER AREA.

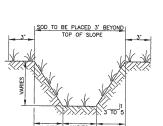
SHEET STATE OF THE COUNTY STATE OF THE LIGHTER AREA.

SHEET STATE OF THE LIGHT A HANDICAPPED REV.BY DATE RAMP SHEET 1



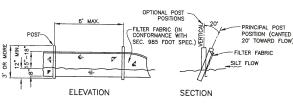


WETLAND BUFFER FIGURE 1



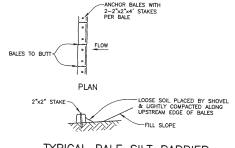
TYPICAL SWALE SECTION

EDGE OF WATER

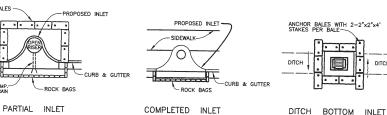


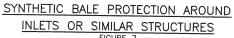
NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

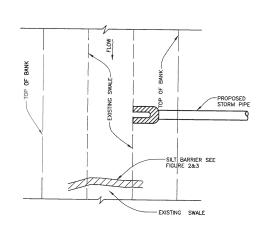
TYPICAL SILT FENCE FIGURE 2



TYPICAL BALE SILT BARRIER FIGURE 3

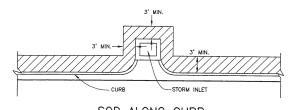






TYPICAL RETENTION/DETENTION POND SECTION

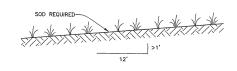
TURBIDITY BARRIER AT CONNECTION OF STORM PIPE TO EXISTING LAKE

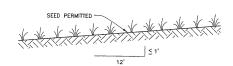


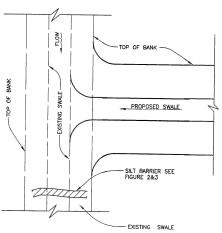
SOD ALONG CURB AND AROUND INLET

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

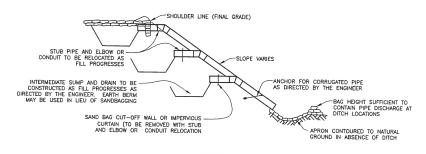
SILT BARRIER AT CONNECTION OF STORM PIPE TO EXISTING SWALE FIGURE 10



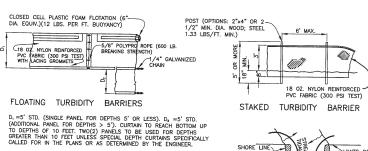


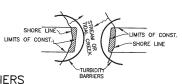


SILT BARRIER AT CONNECTION OF SWALE TO EXISTING SWALE

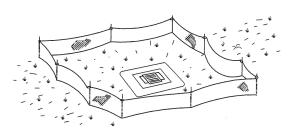


SECTION AA TEMPORARY SLOPE DRAIN FIGURE 15



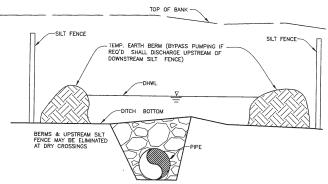


TURBIDITY BARRIERS FIGURE 4

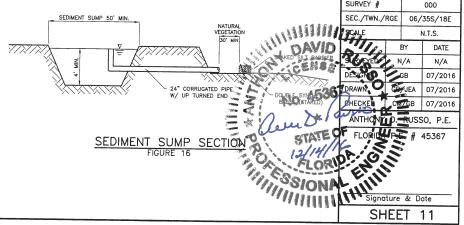


TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS

STAKED SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS



UNDERGROUND PIPE CROSSING
FIGURE 12





INTERSECTION IMPROVEMENTS EROSION CONTROL SAMOSET

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ВУ								
REVISION DESCRIPTION								
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	VEY			000				
SEC./TWN./RGE					06/35S/18E			