

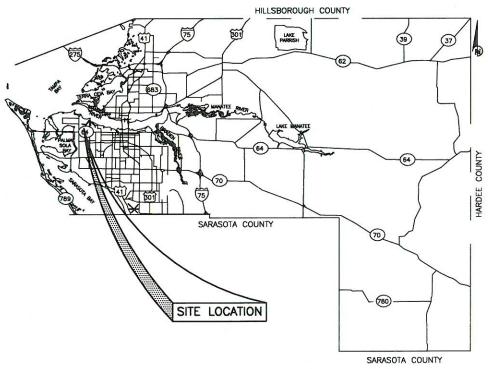
BAYWEST CANAL BRADENTON, FLORIDA 465-6044500

JUNE 2017



VICINITY MAP

PROJECT SITE



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<u>NO.</u>	INDEX OF SHEETS	
1	COVER SHEET	
23.	TOPOGRAPHIC SURVEY	
4.	GENERAL NOTES	
5	QUANTITIES	
8-8A	PLAN & PROFILE	
913	. CROSS SECTIONS	
14-1	A CONSTRUCTION DETAILS	S
15-1	RETAINING WALL DETAIL	LS
17.	EROSION DETAILS	





BRADENTON, FLORIDA

DATE	06/02/17						
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REVISION DESCRIPTION	ADDENDUM # 1						
NO.	-						
PRO	JECT	#		46	55-	604	4500
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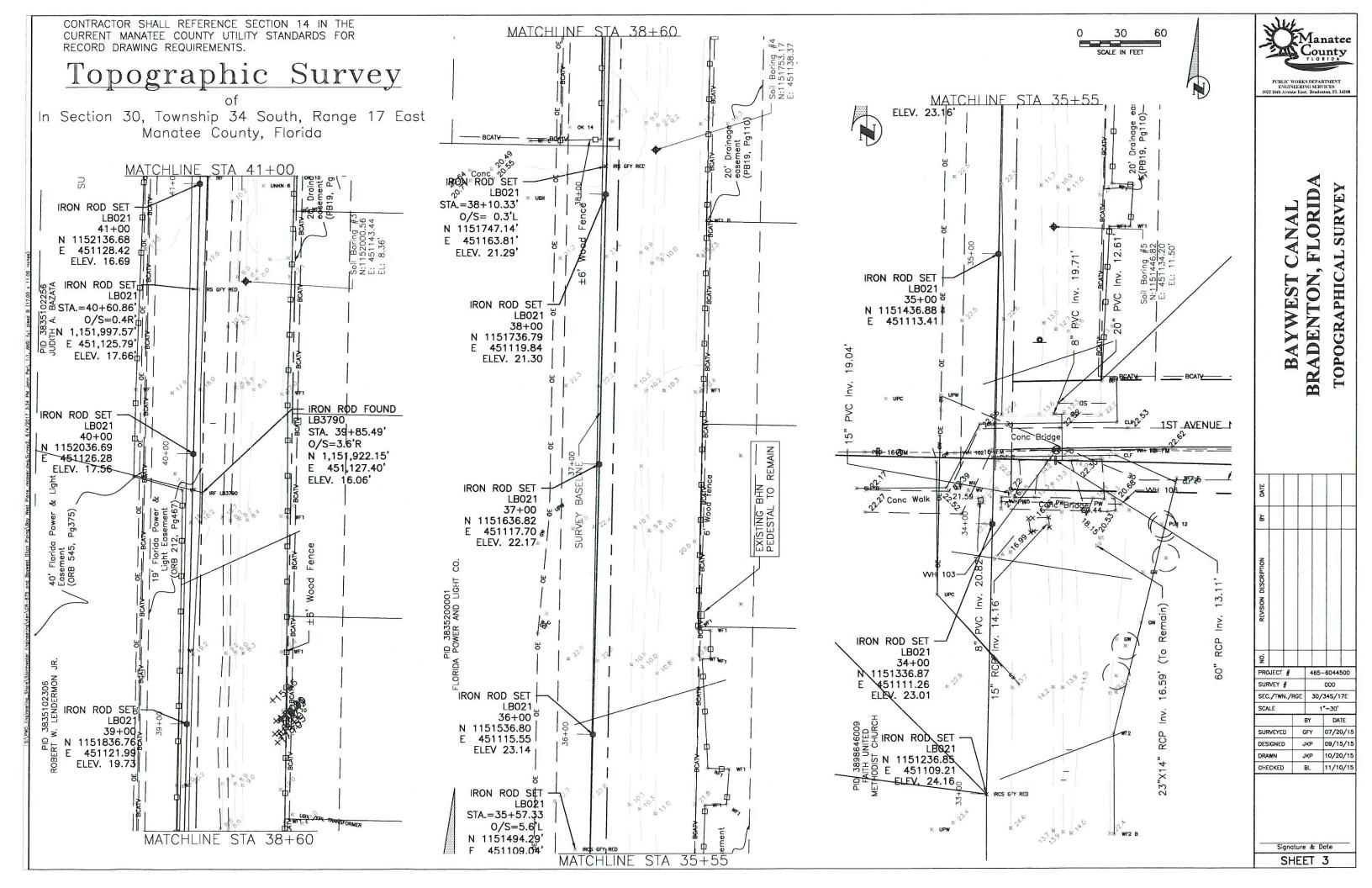
CHECKED BL 11/10/15

LB021 Manatee STA. 45+84.01 0/S=0.0'R N:1152520.60 County 50 E: 451136.66 BOC , CONTRACTOR SHALL REFERENCE SECTION 14 IN THE EL: 13.51 CURRENT MANATEE COUNTY UTILITY STANDARDS FOR RECORD DRAWING REQUIREMENTS. 5.577°35°35"E-99.34°;× 30 4TH AVENUE ARIVE NW Topographic Survey Manhole inv. 6.88 BA In Section 30, Township 34 South, Range 17 East SURVEY FLORID Manatee County, Florida Nail & Disk SET IRON ROD SET LB021 LB021 IRON PIPE FOUND REF 43+00 TOPOGRAPHICAL NO IDENTIFICATION N 1152236.67 ₹TA. 42+62.08' BRADENTON, E 451130.57 70/S=3.3'R ELEV. 15.90 N 1,152,198.68 **CMF PLS 3868** IRON ROD SET 451,133.07 CONCRETE LB021 MONUMENT FOUND STA. 42+20.18' PRM PLS3868 0/S=2.4'LSTA. 45+16.48' N 1,151,922.15' 0/S=0.7'R Drainage ement 19, Pg110) E 451,127.40' N 1,152,453.08' ELEV. 16.42' E 451,135.94' ent COB1052 (PID #D06936) with published coordinates of (N)1,148,020.42, (E)450,328.94 and survey lattles (PID #BBCJ31) with published coordinates of (N)1,154,110.14, (E)447,284.58. IRON ROD SET s shown hereon are based on MAN 4 (A 2"brass disk) (NGS PID#AG7656), elevation 25.23' feet, North IRON ROD SET LB021 LB021 42+00 45 + 00Reuse of documents: this document is an instrument of service in respect of the project to which it applies and any reuse without written verification or adaptation by George F. Young, inc. (GFY) for the specific purposes intended will be at the user's sole risk and without liability or legal exposure to GFY and user shall indemnify and hold harmless GFY from all claims, damages, losses and expenses including attempts fees arising out of or resulting therefrom. Any such verification or adaptation will entitle GFY to further compensation at rates to be agreed upon by user and GFY. N 1152136.68 N 1152436.62 451134.86 E 451128.42 ELEV. 16.69 ELEV. 14.94 Power nent Pg375) IRON PIPE FOUND IRON ROD FOUND NO IDENTIFICATION LB613. STA, 44+22.76' 14. Soil borings shown hereon were marked in the field by a representative of Driggers Engineering Services Inc. and located by GFY. STA. 41+82.09' 0/\$=1.3'R0/S=2.9'R15. The dates of field survey were 07/08/15 through 07/29/15 N 1,1529359.37 N 1,152,118.72 451,134.49 E 451,130.93 SUE RELATED NOTES: ELEV. 16.33' THIS REPORT CONTAINS SUBSURFACE UTILITIES PHYSICALLY EXPOSED BY VACUUM EXCAVATION (WH). ELECTRONICALLY DESIGNATED LINES AS SHOWN IN THE MAP OF SURVEY MAY DEVIATE FROM THE ACTUAL UTILITY LOCATION AND SHOULD BE IRON ROD FOUND NO IDENTIFICATION STA. 41+02.26' SUBSURFACE STORM DRAIN AND GRAVITY SANITARY SEWER STRUCTURES AND THEIR ASSOCIATED PIPING ARE EXCLUDED FROM THIS SURVEY, EXCEPT AT SPECIFIC LOCATIONS REQUESTED BY THE CLIENT. la Pg 6 0/S=3.3'R SURFACE ELEVATIONS AND MEASURE DOWNS (DEPTH OF COVER) ARE VALID AT THE DATE OF THIS SURVEY ONLY AS SURFACE GRADE CONDITIONS MAY CHANGE OVER TIME. N 1,151 922.15 E 451,127.40' SUBSURFACE UTILITIES WERE LOCATED BY UTILIZING THE VACMASTER SYSTEM 2000 FOR VACUUM EXCAVATION WITH THE BENEFIT ELEV. 16.06' - IRON PIPE FOUND NO IDENTIFICATION UTILIZATION OF THE ABOVE EQUIPMENT AND METHODS IS THE INDUSTRY RECOGNIZED PROCEDURE FOR FINDING AND LOCATING UNDERGROUND UTILITIES. ALTHOUGH EFFECTIVE AND RELIABLE, THERE IS THE POSSIBILITY THAT ALL UTILITIES MAY NOT BE DETECTED DUE TO ENVIRONMENTAL CONDITIONS, SOIL CONDITIONS, WATER TABLE, EXCESSIVE DEPTH, AND/OR FEATURE MAKEUP. IRON ROD SET PROJECT # 465-6044500 LB021 STA. 43+42.34' 6 6. UTILITY SIZE AND MATERIAL COMPOSITION WERE COLLECTED BY FIELD OBSERVATION UNDER ADVERSE CONDITIONS AND SHOULD BE CONSIDERED APPROXIMATE. SURVEY # 44+00 000 0/S=1.9'R 7. UTILITY SIZE REFLECTS THE APPROXIMATE OUTSIDE DIAMETER UNLESS OTHERWISE SPECIFIED. N 1152336.63 SEC./TWN./RGE 30/34S/17E N 1,152,278.95 E 451132.71 8. UTILITY OWNER'S NAMES USED IN THIS REPORT REFLECT INFORMATION OBTAINED FROM FIELD OBSERVATIONS, FIELD MEETINGS, 1"=30" SCALE E 451,1233.39' ELEV. 15.59 DATE BY MEASUREMENTS DESCRIBED AS ELECTRONIC DESIGNATION ONLY/DEPTH METER, IF ANY, HAVE BEEN OBTAINED BY ELECTRONIC DESIGNATING EQUIPMENT. THE 3-DIMENSIONAL POSITION OF ELECTRONICALLY DESIGNATED UTILITIES HAS NOT BEEN PHYSICALLY MEASURED AND SHOULD BE CONSIDERED APPROXIMATE. #2 75 48 GFY 07/20/15 SURVEYED DESIGNED 09/15/15 JKP 10. HORIZONTAL VALUES (NORTHING/EASTING) ARE RELATIVE TO THE STATE PLANE COORDINATE SYSTEM, FLORIDA WEST ZONE, RON ROD FOUND DRAWN 10/20/15 JKP NORTH AMERICAN DATUM OF 1983-1990 ADJUSTMENT (NAD 1983-1990) AND WERE ESTABLISHED BY GLOBAL POSITIONING SYSTEM (GPS) SURVEY. NO IDENTIFICATION SUE TABLE: CHECKED BL 11/10/15 STA. 43+42.73 11. VERTICAL VALUES, ELEVATIONS, (LISTED AS "SURFACE OR TOP" IN THE WH TABLE) ARE RELATIVE TO THE NORTH AMERICAN WH UTILITY LOCATIONS (VERIFICATION OF VERTICAL & HORIZONTAL) (FIELD DATE: 07/20/15)-SUE NOTES (TRUCK 118, BOOK 1020) VERTICAL DATUM OF 1988 (NAVD88) 0/S=1.8'RTOP UTILITY N 1,152,279.34' 101 6" PVC WM (MANATEE COUNTY) 11.4 WATER MAIN 1152480.41 451144.83 101 451,1233.31 FORCED MAIN 1151363.27 451097.22 16" DIP FM (MANATEE COUNTY) FORCED MAIN 1151364.18 451135.29 103 FORCED MAIN 1151363.92 451162.11 16" DIP FM (MANATEE COUNTY) 20.8 104

as HMATCHLINE STA 43+00

WATER MAIN 1151344.08 451159.19

Signature & Date



GENERAL

- ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION THE PROJECT MANAGER IS: MICHAEL STUME AND CAN BE REACHED AT 941- 708-7450 EXT. 7332.
- 2. SITE VISITS ARE MANDATORY FOR ALL BIDDERS. THESE SITE VISITS CAN BE ARRANGED THROUGH THE PROJECT MANAGER.
- ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS.
- VERTICAL CONTROL FOR THIS PROJECT WAS ESTABLISHED BY A MINIMUM OF TWO REFERENCE BENCHMARKS DESCRIBED ON THE "THE NORTH AMERICAN VERTICAL DATUM OF 1988", (NAVD '88). TO CONVERT ELEVATIONS TO NAVD FROM NGVD, SUBTRACT 0.97 FT. NAVD ELEV. = NGVD ELEV. -0.97 FT.
- 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 INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
- 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.
- . ALL STATIONS AND OFFSETS REFER TO THE BASELINE OF CONSTRUCTION
- 10. THE CONSTRUCTION LENGTHS ARE IN THESE PLANS ARE APPROXIMATE. ACTUAL LIMITS MAY BE SET IN THE FIELD AS DIRECTED BY THE ENGINEER.
- 11. SEPARATE PAY SHALL BE MADE ONLY FOR THE ITEMS OF WORK LISTED AND IDENTIFIED BY APPROPRIATE PAY ITEM ON THE BID FORM. THE COST OF ANY RELATED WORK NOT SPECIFICALLY IDENTIFIED, BUT WHICH IS REQUIRED FOR SATISFACTORY COMPLETION OF THE WORK, SHALL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT PRICE FOR THE APPROPRIATE BID ITEM.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE COORDINATION OF CONSTRUCTION SCHEDULING BETWEEN CONTRACTOR AND ALL UTILITY AGENCIES.
- 13. ANY DAMAGE TO COUNTY ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY PROJECT MANAGER. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
- 14. 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.

- 15. 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.
- 16. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS
- 17. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC.
- 18. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

ENVIRONMENTAL

- 19. 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.
- 20. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.
- 21. 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.
- 22. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF WATER, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1) WEEK OF INSTALLATION.
- 23. 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.
- 24. SOIL DISPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE IMPLEMENTED IN AREAS WHICH ARE CONSIDERED ENVIRONMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS, FILTER FABRIC, AND TURBIDITY SCREENS.
- 25. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED
- 26. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE CONSTRUCTION SITE. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN 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 PERMITS.
- 27. FOR MORE INFORMATION, SEE THE EROSION CONTROL DETAIL SHEET INCLUDED IN THE PLANS

RIGHT-OF-WAY

- 28. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY RIGHT-OF-WAY.
- 29. 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 ADDITIONAL COST TO THE OWNER.
- D. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHTS-OF-WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES". A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.
- 31. 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 ITH F.D.O.T. STANDARDS.
- 32. 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.

- 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 ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTROL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY EFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
- 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 ABE. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- 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 AND BEAR ALL RELATED COSTS.
- 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 AN 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. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE.
- 38. 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.
- 39. 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.
- 40. 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 THE INITIAL OPEN CUTTING.
- 41. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE COMPLETED WITHIN FORTY-FIVE CALENDAR DAYS OF INITIAL DISTURBANCE, OR TWENTY-ONE CALENDAR DAYS OF SUBSTANTIAL COMPLETION, WHICHEVER OCCURS FIRST.

- 42. 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.
- 43. 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 U.P.
- 44. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
- 46. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA
- 47. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM.
- 48. 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.
- 49. 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.
- 50. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL, BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.
- 51. ONLY MANATEE COUNTY UTILITY OPERATIONS STAFF ARE AUTHORIZED TO OPERATE VALVES ON COUNTY OWNED AND MAINTAINED UTILITY SYSTEMS
- 52. ALL PENETRATION OF EXISTING STRUCTURES SHALL BE BY THE MECHANICAL ROTARY CORE BORING METHOD
- 53. ALL CONCRETE PENETRATED OR DISTURBED SHALL BE COATED WITH TWO COATS OF EPOXY
- 54. CONTRACTOR IS RESPONSIBLE FOR ALL UNSUITABLE MATERIAL REMOVAL WITHIN PROJECT LIMITS. EXCAVATION, EMBANKMENT, INCLUDING UTILIZATION, AND UNSUITABLE MATERIAL SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS, LATEST VERSION.
- 55. ALL STUMPS, ROOTS, AND OTHER DEBRIS PROJECTING THROUGH OR APPEARING ON THE SURFACE OF THE GROUND SHALL BE REMOVED TO A DEPTH OF 1 FOOT BELOW THE COMPLETED SURFACE. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
- 56. ALL MATERIALS NOT CLAIMED BY THE COUNTY SHALL BECOME PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN AND PAID UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
- 57. THE CONTRACTOR SHALL NOT DISTURB NO MORE GROUND THAN WHAT IS NECESSARY FOR CONSTRUCTION. NO OPEN EXCAVATED TRENCH, OR OTHER UNSAFE CONDITION WILL BE LEFT OVERNIGHT. THE INTENT OF THIS PROVISION IS TO SAFE-UP THE PROJECT SITE AS WORK PROGRESSES, AND SHALL INCLUDE REMOVING FORMS, FILLING HOLES, GRADING AND REMOVAL OF DEBRIS.
- 58. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- 59. ANY EXISTING SIGN THAT IS DISTURBED OR RELOCATED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION AT NO ADDITIONAL COST TO THE COUNTY.
- 60. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AND REINSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST. ALL EXISTING FENCES TO BE RELOCATED SHALL BE REINSTALLED 1 FOOT OUTSIDE EXISTING RIGHT OF WAY.
- 61. ALL EXISTING TREES WITHIN THE EXISTING RIGHT OF WAY SHALL REMAIN UNLESS OTHERWISE NOTED.
- 62. ALL EXISTING STORM DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE REMAIN UNLESS OTHERWISE NOTED.
- ONS MAY NECESSITATE MINOR ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED UTILITIES TO AVOID OBSTACLES, AS ORDERED BY THE ENGINEER.
- 64. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS IN ACCORDANCE WITH MANATEE COUNTY HIGHWAY, TRAFFIC & STORMWATER STANDARDS DATED 2007 AT NO COST TO THE OWNER. RECORD DRAWINGS SHALL BE SIGNED & SEALED BY A SURVEYOR CURRENTLY LICENSED BY THE STATE OF FLORIDA. ALL RECORD DRAWING INFORMATION REQUIREMENTS SHALL BE STRICTLY ENFORCED. A COPY OF MANATEE COUNTY HIGHWAY, TRAFFIC & STORMWATER STANDARDS WILL BE PROVIDED UPON REQUEST.

- 65. ALL CONSTRUCTION IS TO BE STAKED IN THE FIELD BY OR UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR
- 66. THE CONTRACTOR IS TO PROVIDE THE ENGINEER OF RECORD WITH REPRODUCIBLE RECORD DRAWINGS SHOWING ALL IMPROVEMENT LOCATIONS AND ELEVATIONS IN ACCORDANCE WITH LATEST MANATEE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SWFWIND STANDARDS. THE CONTRACTOR SHALL PROVIDE FIVE SETS OF PRINTS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR, OF THE RECORD DRAWING TO THE ENGINEER OF RECORD DRAWINGS SHALL INCLUDE TOP OF BANK AND STRUCTURES AND BE REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ACCEPTANCE AND PAYMENT.
- 67. TOPOGRAPHIC GROUND ELEVATIONS, LOCATIONS AND DEPTHS OF SEWERS, CONDUITS, PIPES, EXISTING STRUCTURES, PAVEMENT,
 HAVE BEEN OBTAINED BY RELIABLE SOURCES. THE ACCURACY OF THIS DATA IS NOT GUARANTEED, AND IS FURNISHED SOLELY AS AN ACCOMMODATION TO THE CONTRACTOR. USE OF THIS DATA SHALL BE
 MADE AT THE CONTRACTOR'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE GRANTED DUE TO THE CONTRACTOR'S LACK OF KNOWLEDGE OF THE SITE CONDUITIONS. PRIOR TO TO BID SUBMISSION,
 THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS HE MAY DEEM NECESSARY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED.
- 68. ALL PIPE LENGTHS SHOWN ON PLAN VIEW ARE TO THE END OF THE MITERED END SECTION. REFER TO MES DETAIL FOR LENGTH OF PIPE TO BE INCLUDED IN PRICE FOR MES.
- 69. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATION.
- 71. STATION LOCATIONS AND OFFSETS FOR DITCH BOTTOM INLETS / MANHOLES / MITERED END SECTIONS (MES) REFERENCE THE CENTER OF THE SPECIFIED STRUCTURE BOTTOM. FOR PIPES WITH MITERED END SECTIONS, THE PROPOSED LENGTHS SHOWN ON THE PLANS INCLUDE THE LENGTH OF THE MES, PAYMENT FOR PIPE SHALL NOT INCLUDE THE LENGTH OF THE MES, AS SPECIFIED BY DIMENSION "F" AS SHOWN IN FOOT INDEX 272 AND 273.
- 72. ALL MANHOLES SHALL HAVE HEAVY DUTY RING AND COVER MANHOLE ACCESS. ALL STORM STRUCTURES SHALL HAVE 6" MINIMUM WALLS.
- 73. DURING DEWATERING OPERATIONS, THE CONTRACTOR SHALL NOT DISCHARGE DIRECTLY TO RECEIVING WATERS, EXISTING CONVEYANCES TO RECEIVING WATERS, OR WETLAND SYSTEMS. TEMPORARY SEDIMENT BASINS, TRAPS, OR SILTATION REDUCTION DEVICES SHALL BE UTILIZED TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFFSITE SEDIMENT TRANSPORT AND TO INSURE THAT DIRECT DISCHARGE DOES NOT OCCUR.

BENCH MARK

GRATE INLET MITERED END SECTION

SPOT ELEVATION

CONCRETE MONUMENT

74. CONTRACTOR TO MAINTAIN PROPER STORMWATER CONVEYANCE AT ALL TIMES DURING CONSTRUCTION.

SPECTRUM

EMERGENCY CONTACTS

MANATEE COUNTY 6750 FRUITVILLE ROAD PUBLIC WORKS DEPT SARASOTA, FL. 34240(941) 377-3722 UTILITIES ENGINEERING DIV. MGR. SCOTT MAY, P.E.

1022 26TH AVENUE EAST
BRADENTON, FL. 34208
(941) 708-7450 EXT. 7650 FAX: (941) 373-7660 FLORIDA GAS TRANSMISSION CHAD HARRELL 7804 ANDERSON RD. TAMPA F L 33634 FAX: (941) 708-7507 PHONE: (813) 466-3327 E-mail: chad.harrell@sug.com

TECO/PEOPLES GAS CO. DAN SHANAHAN 8261 VICO COURT SARASOTA, FL. 34240 FDEP, SOUTHWEST DISTRICT ED WATSON ED WAISON 13051 N. TELECOM PKWY TEMPLE TERRACE, FL 33637 (941) 342-4030 FAX: (941) 342-4011 EMERGENCY: 1-877-832-6911 (813) 470-5875 FAX: (813) 470-5993

FRONTIER DENISE HUTTON 1701 RINGLING BLVD. SARASOTA, FL. 34236 (941) 906-6722 FAX: (941) 906-6706 Denise.Hutton@verizon.com

FLORIDA POWER & LIGHT PEURIDA POWER & LIGHT GREG COKER 1253 12TH AVENUE EAST PALMETTO, FL 34221 (941) 723–4430 FAX: (941) 723–4444 EMERGENCY: 1–800–4–0UTAGE Greq_Coker@fpl.com MANATEE COUNTY HEALTH DEPT. HARRY MESSICK 410 6th AVENUE EAST BRADENTON, FL. 34208

(941) 748-0747 EXT. 1355

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT SARASOTA SERVICE OFFICE STEVE LOPES, P.E.

FAX: (941) 750-9364

PEACE RIVER ELECTRIC COOPERATIVE, INC. 210 Metheny RD WACHULA, FL 33873 (863) 767-4668 MANATEE COUNTY PUBLIC WORKS DEPT./TRAFFIC ENGINEERING/ ATMS 2101 47TH TERRACE EAST BRADENTON, FL 34203 VISHAL KAKKAD, P.E. (941) 749-3500 EXT. 7812 FAX: (941) 749-3571 vishal.kakkad@mymanatee.org.

TOM WRIGHT
5413 E. STATE ROAD 64
BRADENTON, FL. 34208–5535
(941) 748–3816 EXT. 21348
Tom.Wright@mybrighthouse.com

SUNSHINE STATE ONE CALL OF

FLORIDA 1-(800) 432-4770

IRON PIPE OAK TREE IRON ROD PALM TREE (W/ DRIP LINE) HUB PINE TREE NAIL & DISK mm EDGE OF VEGETATIO ELEVATION CHAIN LINK FENCE - WOOD FENCE BARBED WIRE FENCE 270 LOT NO. GUY WIRE POWER POLE _____ev____ POTABLE WATER ----- RECLAIMED WATER SANITARY SEWER LIGHT POLE MAIL BOX STORM DRAIN SIGN - GAS LINE REFLECTOR SPRINKLER BURIED_CABLE_TV @ GAS MARKER OVERHEAD ELECTRIC BACKFLOW PREVENTER ---- OWER ----- OVERHEAD VERIZON BLOW OFF VALVE - BURIED VERIZON FIRE HYDRANT
WATER VALVE AIR RELEASE VALVE ----- BURIED_UTILITY WATER METER OVERHEAD UTILITY SANITARY SEWER CLEAN OUT ______ EDGE OF CONCRE ----EDGE OF CONCRETE SB#
SOIL BORING LOCATION TEL TED TELEPHONE SERVICE BOX - TOE OF SLOPE FLOW DIRECTION TOP OF BANK

PROPERTY LINE

RIGHT OF WA

EXISTING

LEGEND

CONCRETE ASPHALT SIDEWALK BACK OF CURB PROPOSED - SERVICE LINE PROPOSED EASEMENT M FIRE HYDRANT VALVE SANITARY SEWER MANHOLI BLOW OFF ASSEMBLY REDUCER HORIZONTAL BEND \rightarrow VERTICAL BEND O O MASTER METER ASSEMBLY

ABBREVIATIONS

RIGHT OF WAY

RAWN CHECKED JUHN PARI, P.F. FLORIDA P.E. # 56368 DOUBLE SERVICE

Signature & Date

DESIGNED

SHEET 4

JKP

JKP

BL.

09/15/1

10/20/1

11/10/1

au

Manatee

PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34

ORID Z Y OLU T

DATE					
ВУ					
REVISION DESCRIPTION					
NO.			+	+	
PROJE	CT #		465	-604	4500
SURVE	Y #			000	
SEC./	TWN./	RGE	30,	/345/	17E
SCALE				1"=30	•
		E	3Y	D	ATE
SURVE	YED	G	FY	07/	20/15

	***************************************		BAY WEST CANAL PIPING 100%	Quantities				
					60 a			
	LINE	ITEM		EST.				
LINE	NO.	NO.	DESCRIPTION	QTY	U/M	UNIT PRICE	EXTENDED PRICE	
NO.								
	1.	101-1	Mobilization	1.00	LS			
	2.	102-1	Maintenance of Traffic (Incl. Temp. Pedestrian Sidewalk)	1.00	LS			
	3.	104-10-3	Sediment Barrier	2,500.00	LF			
	4.	104-15	Soil Tracking Prevention Device	2.00	EA			
	5.	104-18	Inlet Protection System	3.00	EA			
	6.	110-1-1	Clearing & Grubbing, incl. riprap, trees, pipes, structures, 60" Rcp, endwalls, sidewalk, tree protection & ditch cleaning	0.75	AC			
	7.	120-1	Regular Excavation	300.00	CY			
	8.	120-1	Borrow Excavation, Truck Measure	5,270.00	CY			
	9.	120-4	Subsoil Excavation Embankment (Regular)	75.00	CY			
	10.	120-6		5,270.00	CY			
	11.	400-4-11	Class IV (Retaining Wall), Incl. Reinforcing Steel & footings	19.10	CY			-
	12.	425-1- 543	Inlet, DT Bot, Type D, J Bot, < 10'.	1.00	EA	-		-
	13.	425-1- 544	Inlet, DT Bot, Type D, J Bot, > 10'.	1.00	EA			
	14.	425-1- 901	Inlet, Special, < 10'.	1.00	EA			
	15.	430-175-166	Pipe Storm Sewer Culv (RCP) (66")	621.00	LF			
	16.	430-175-272	Pipe Storm Sewer Culv (ERCP) (58"x91")	483.00	LF			
	17.	430-MC1	Connect Existing 20" PVC to Storm Sewer	1.00	LS			
	18.	430-MC2	Connect Existing 8" PVC to Storm Sewer (Incl. clean out)	1.00	LS			
	19.	515-2-311	PED / Bicycle Railing, Alum., 42", Type I	40.00	LF			
	20.	519-78	Concrete Pipe Bollard	4.00	EA			
	21.	522-2	4" Concrete Sidewalk	130.00	SY			
	22.	530-3-4	RipRap - Rubble, F & I Ditch Lining	22.00	TN			
	23.	570-1-2	Sodding (Performance Turf, Bahia) (Includes Mowing)	3,670.00	SY			
	24.		Connect to Existing Force Main	2.00	EA			
	25.		16" D.I Restrained Joint Force Main	108.00	LF			
	26.		16° D.I. 45° Bend, Wastewater	4.00	EA			
	27.		16" D.I. M.J. Restraints	8.00	EA			
	28.		16" Plug Valve, MJ	2.00	EA			
	29.		Remove existing 16" D.I. Force main	108.00	LF			
	30.		Misc. Concrete	4.00	CY			
		33018 090 0	TEMPORARY BYPASS ITEMS					
	31.		16" D.I. Plug, Wastewater	2.00	EA			
	32.		16" D.I. M.J. Restraints	4.00	EA			
	33.		16" x 12" Stainless Steel Tapping Sleeve w/ Valve	2.00	EA			
	34.		Temporary 12" HDPE Pipe (includes all pumping, hauling, monitoring,welded thrust collar)	195.00	LF			
	35.		Misc. Concrete	4.00	CY			
			ALTERNATE BID A (8' BIKE P	4				
		No. 1 Control of the			Assets Personal			
	LINE	ITEM		EST.				
	NO.	NO.	DESCRIPTION	QTY	U/M	UNIT PRICE	EXTENDED PRICE	
	1.	160-4	6" Stabilization Subbase (LBR 60)	1,257.00	SY			
18 80 18 80	2.	285-701	Optional Base Group 1	1,257.00	SY			
	3.		1 1/2" Type S-I Asphalt Concrete (Incl. Prime Coat)		100			
		334-1-MC1		90.00	TON			
	4.	700-MC1	Signs - Misc. Painted payement markings (Incl. Massages & Arrays)	1.00	LS			
	5.	710-MC1	Painted pavement markings (Incl. Messages & Arrows)	1.00	LS			
	6.	999-MC1	Stainless Steel H.C. Ramp (8' wide)	1.00	EA			



PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue Enst, Brudeuton, FL 34208

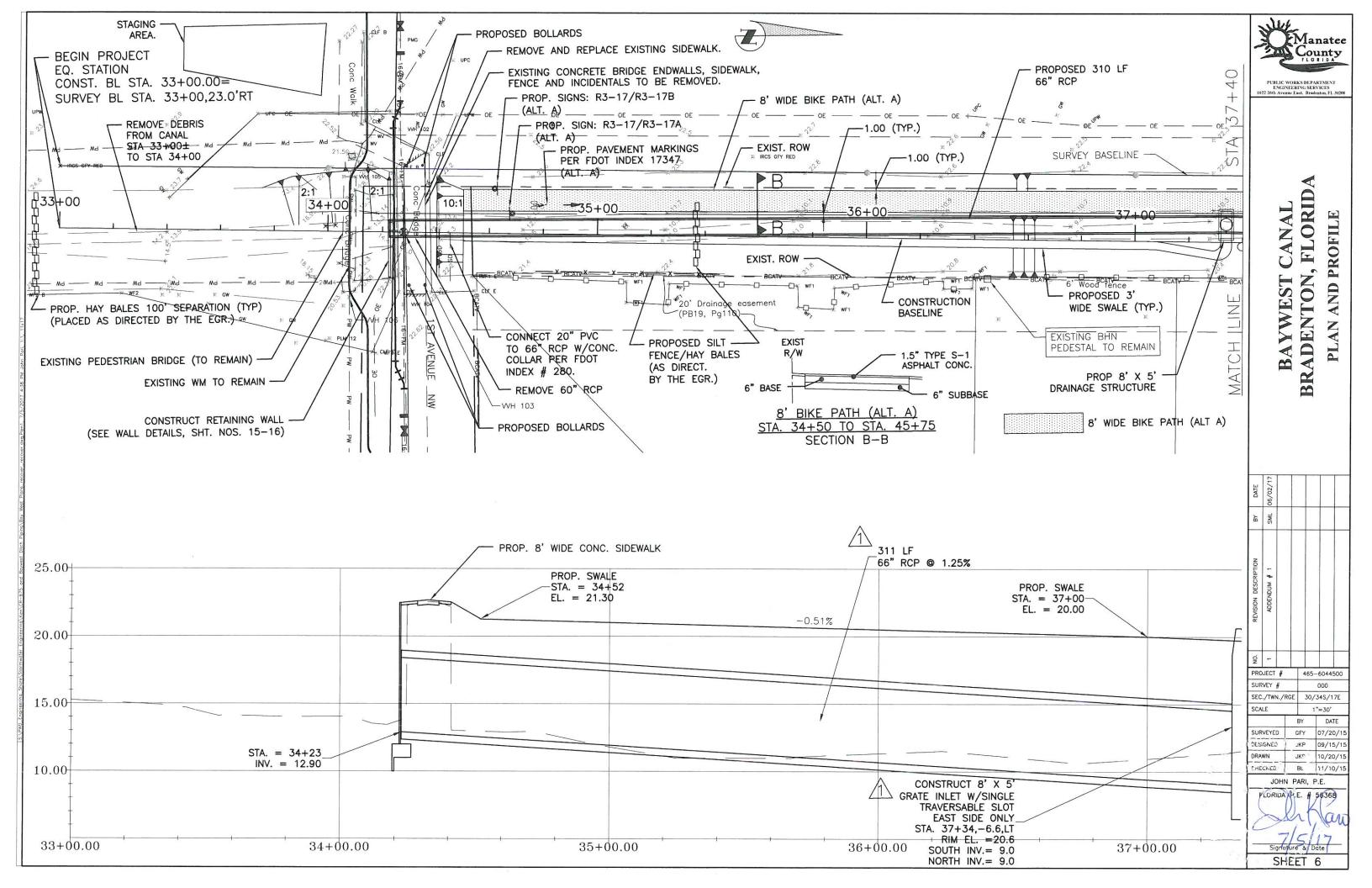
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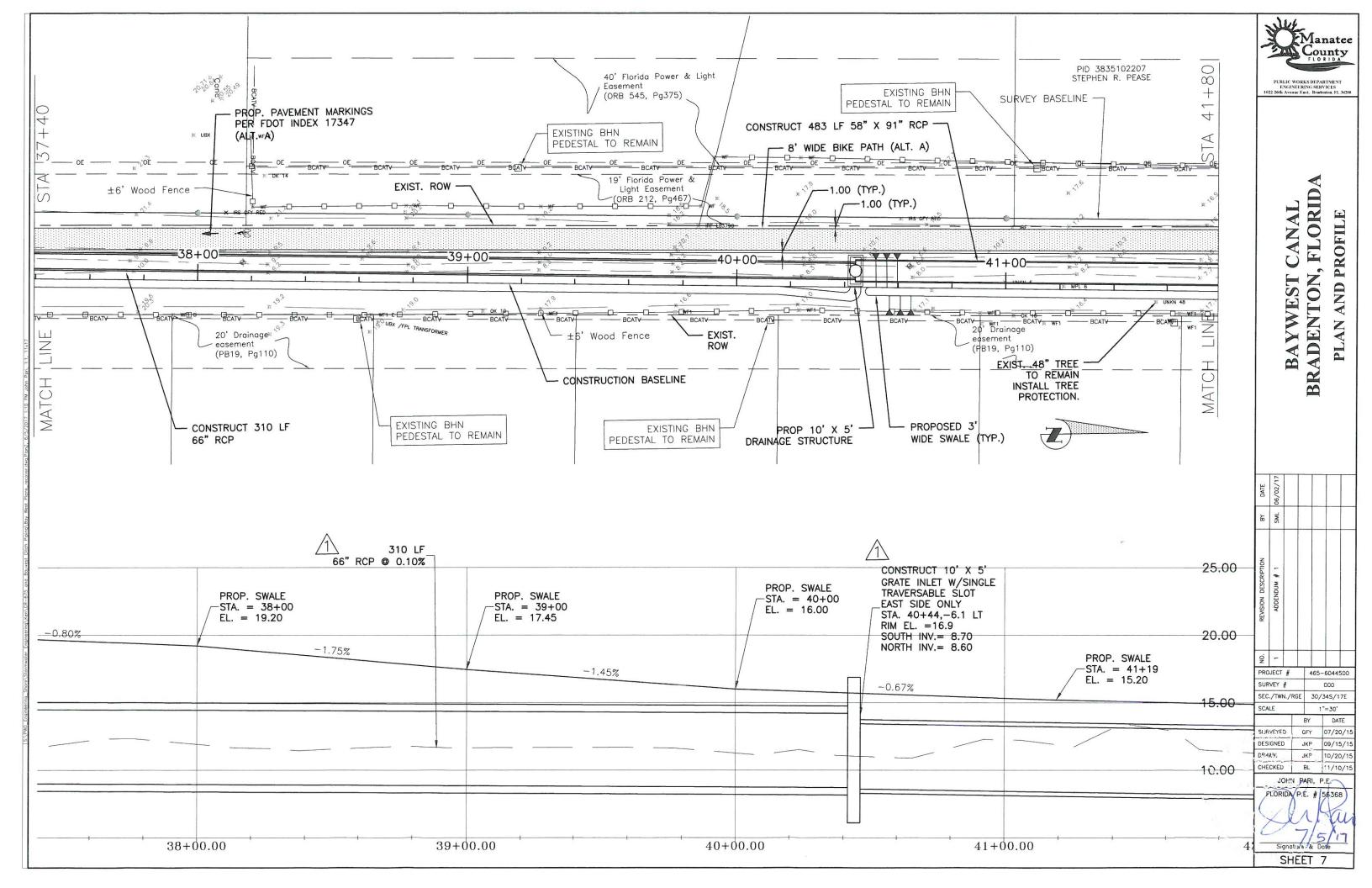
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&	JKP				
REVISION DESCRIPTION	ADDENDUM # 1				
O	-	+		+	
PRO	JECT	#	465	604	4500
SUR	VEY #			000	
SEC	./TWN	/RGE	30	/345/	17E
SCA	LE			N/A	
			BY	D.	ATE
SUR	VEYED		GFY	07/	20/15
DES	IGNED		jκP	09/	15/15
DRA	W::		JKP	10/	20/15
PILIC	CKED	1	BL	117/	10/15

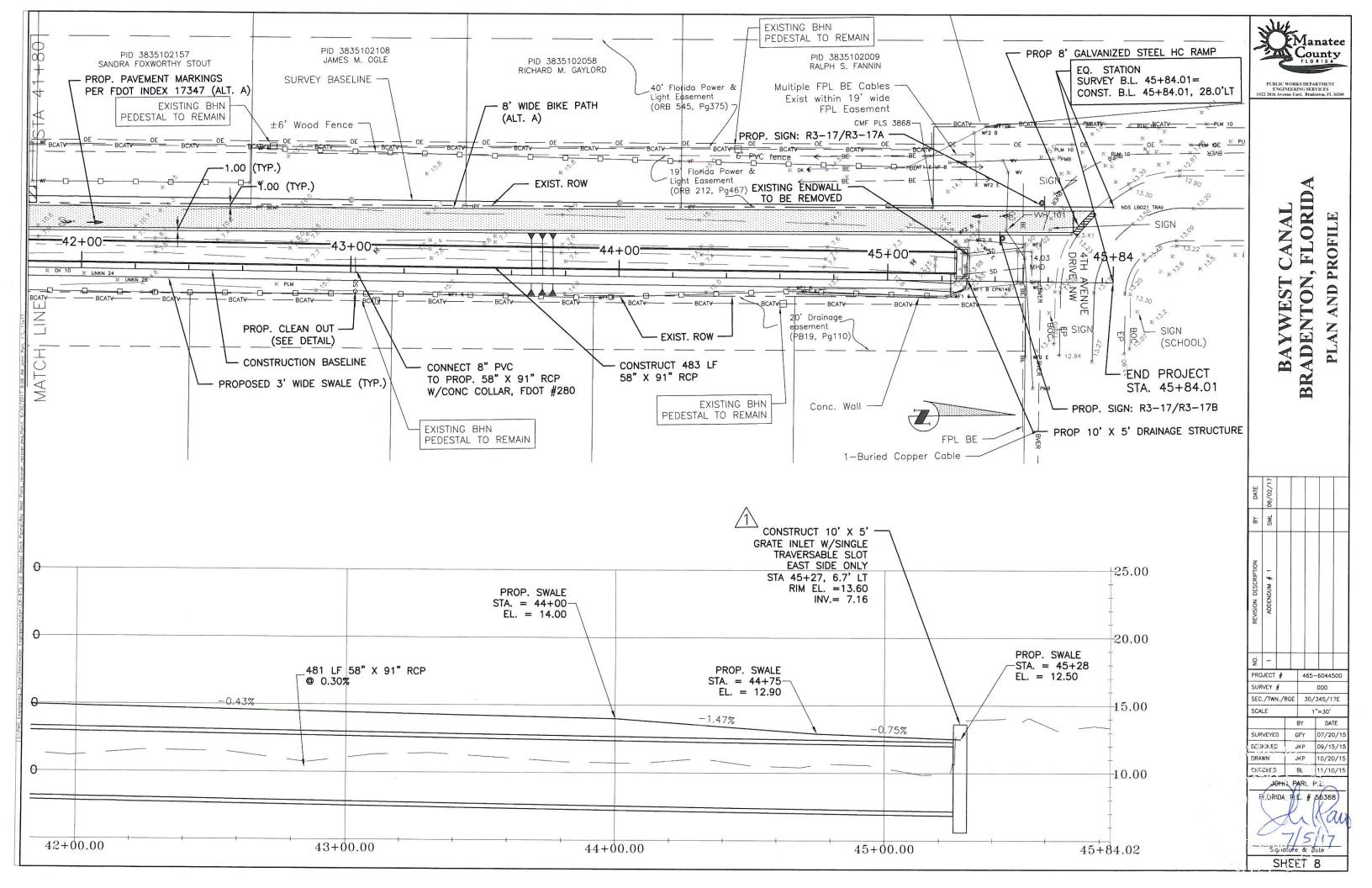
JOHN PARI, P.E. FLORIDA P.E. # 56368

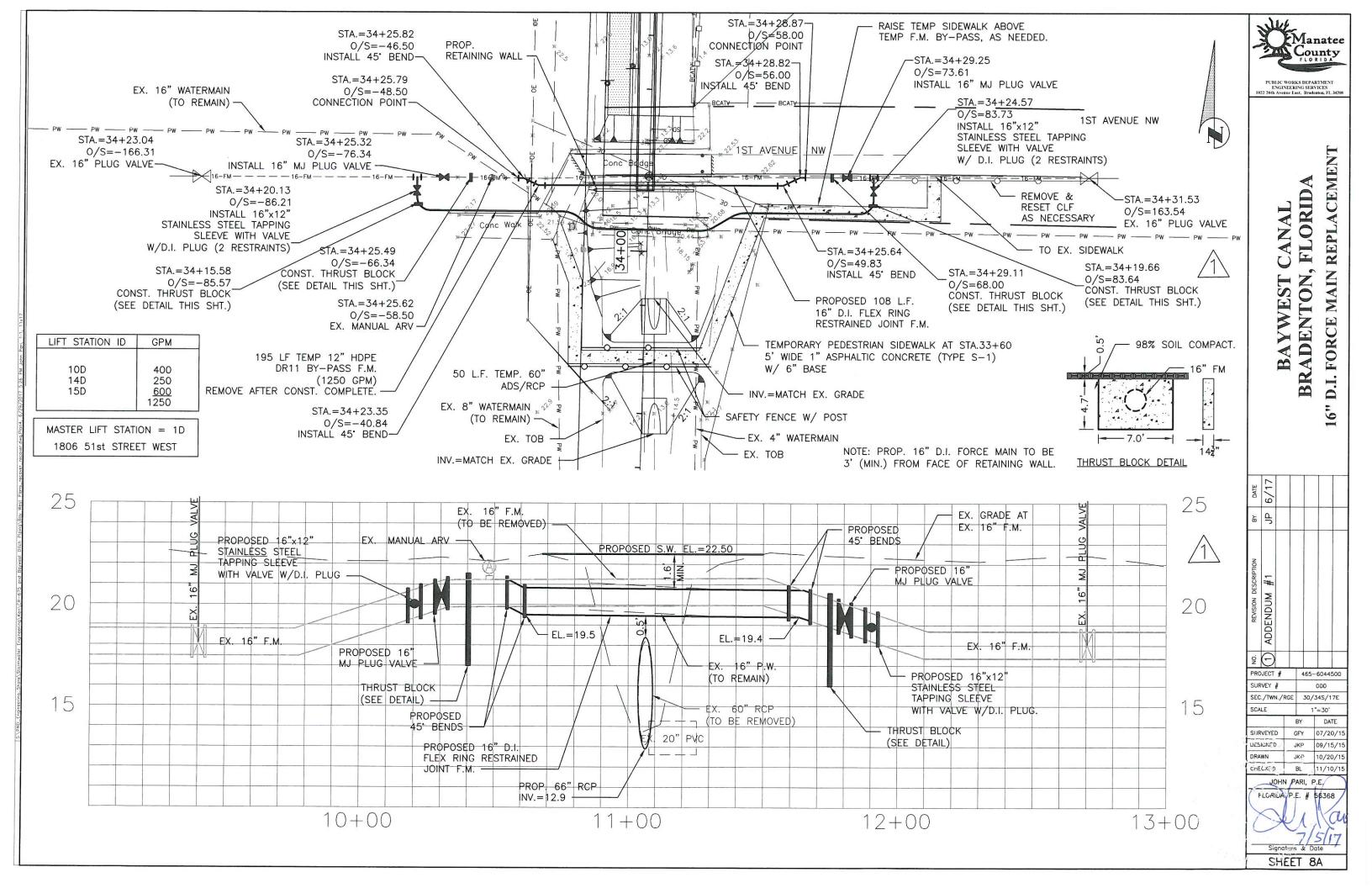
Signature & Date

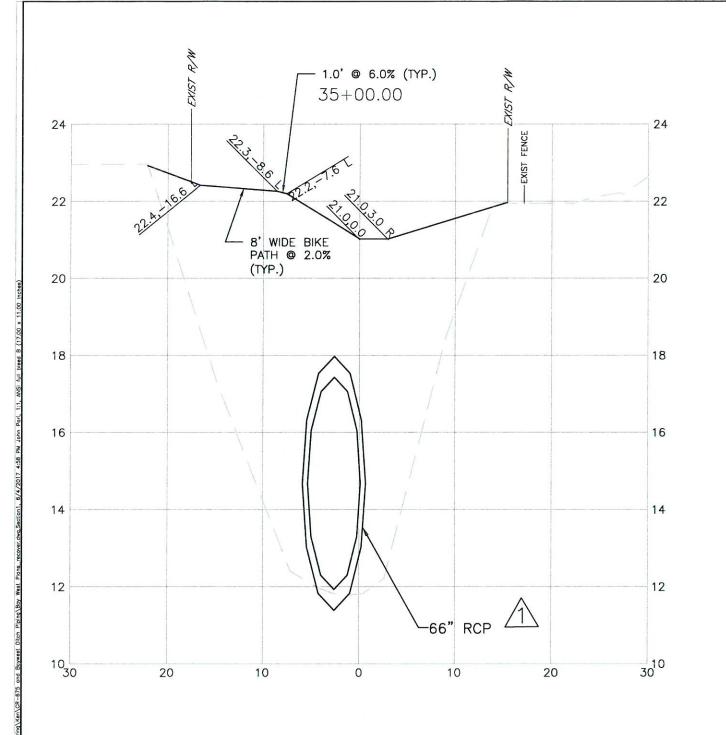
SHEET 5

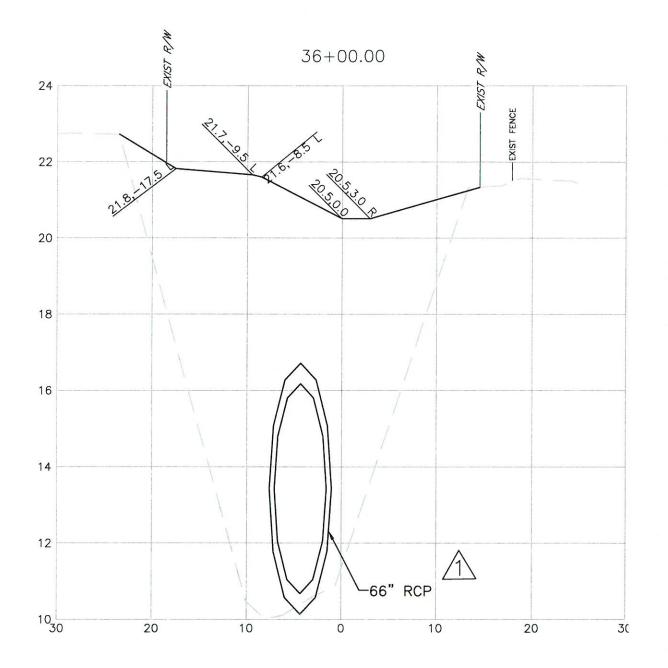




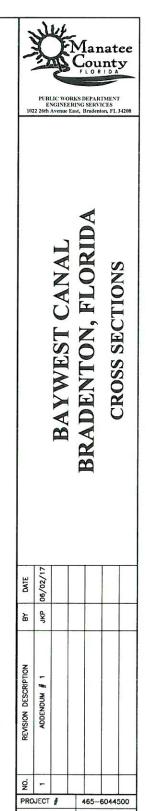




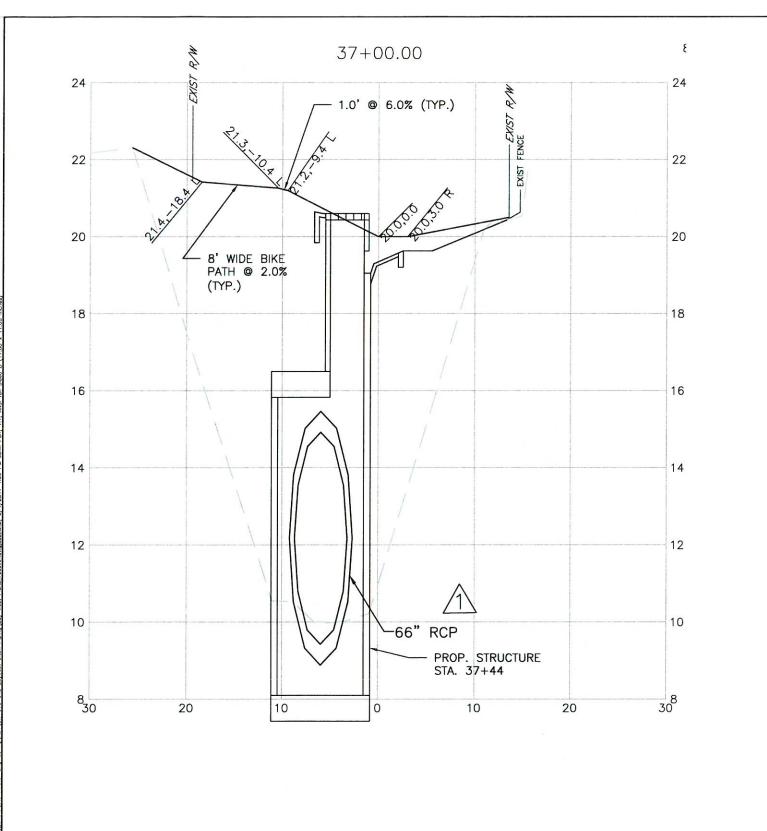


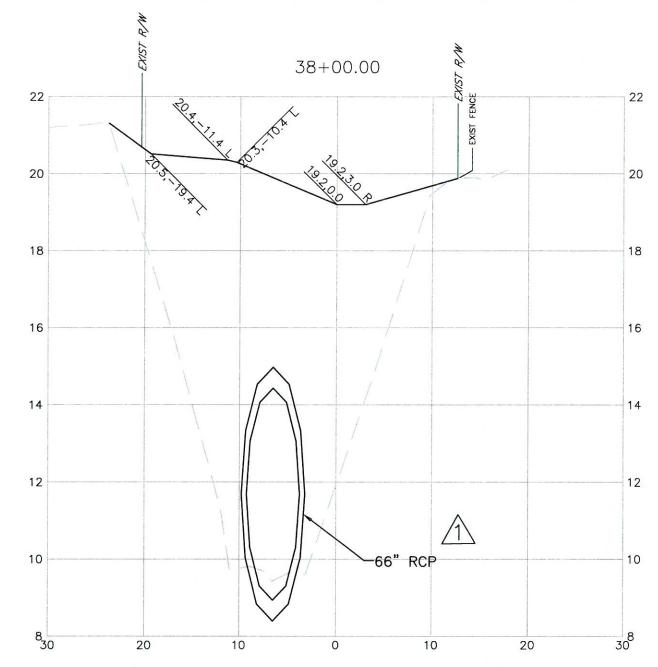


SCALE: HORZ: 1"=10' VERT.: 1"= 2.5'

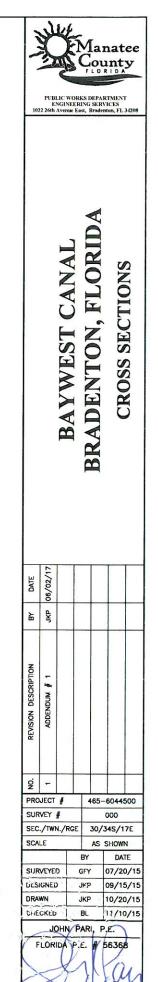


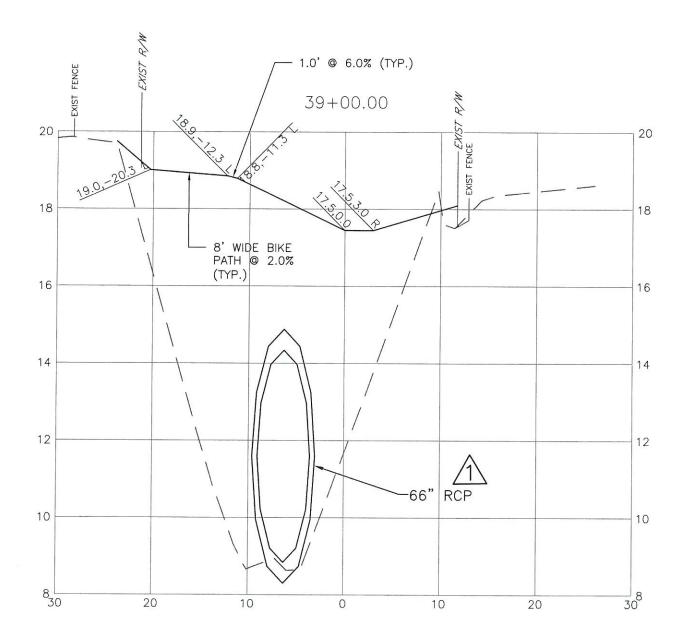
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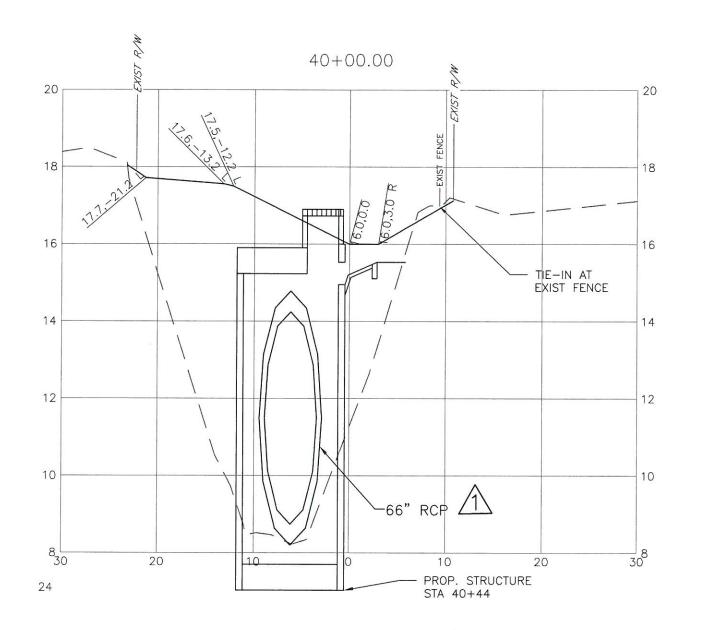




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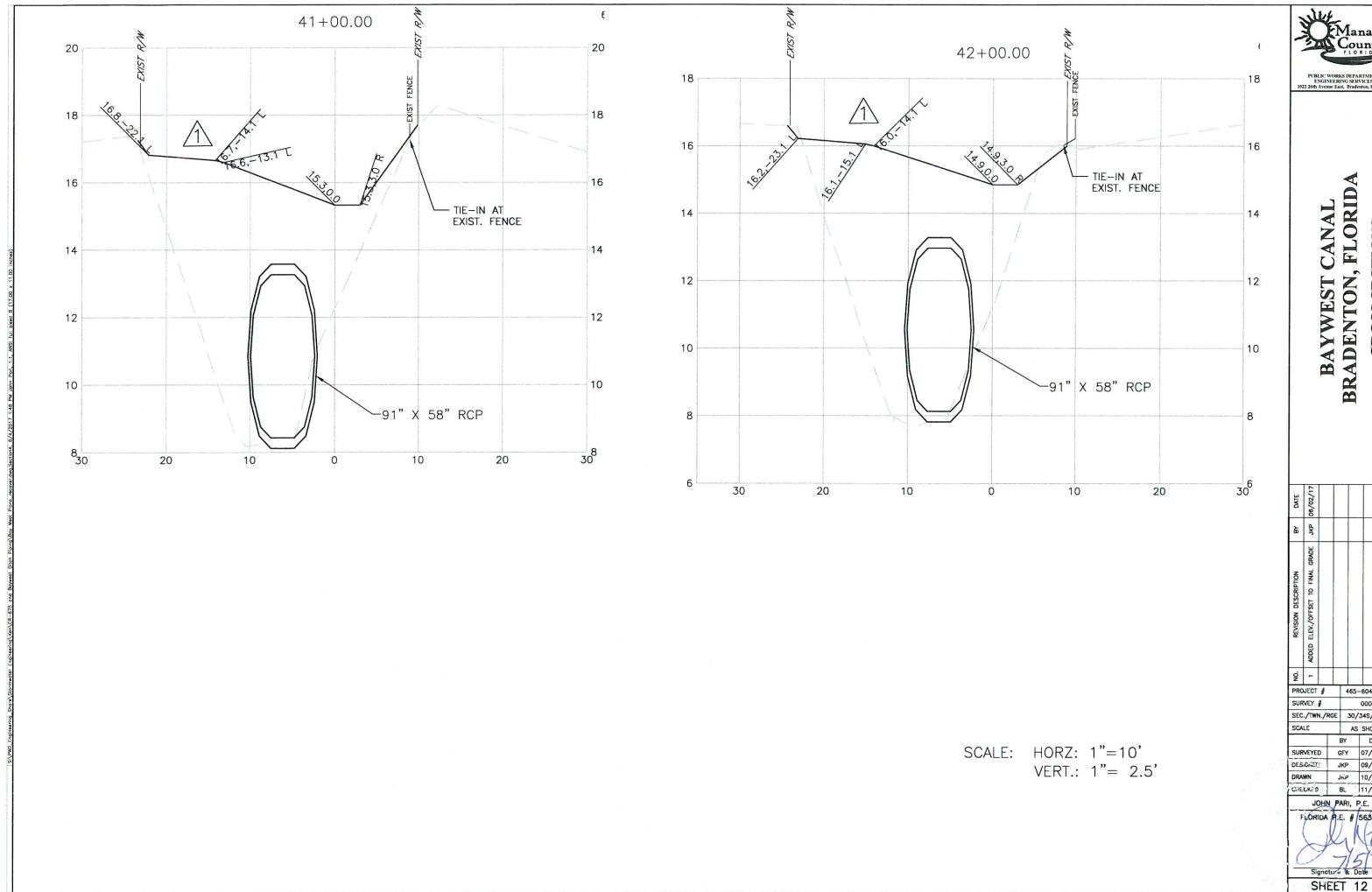
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BAYWEST CANAL BRADENTON, FLORIDA CROSS SECTIONS

06/02/17				
JKP				
ADDENDUM # 1				
-		+		
JECT	#	465	-6044	500
VEY	#		000	
/TWI	N./RGE	30	/34S/1	7E
LE		AS	SHOW	N
	TOJECT 1 ADDENDUM # 1 JKP	THE STATE OF THE S	## WNONANDORY	USECT # 465-6044: VEY # 000 /TWN./RGE 30/34\$/1

JOHN PARI, P.E. FLORIDA P.E. # 56368

SURVETED GFY
DESIGNED JKP
DRAWN JKP
CHECKED BL



CROSS SECTIONS

465-6044500 000 SEC./TWN./RGE 30/34S/17E AS SHOWN

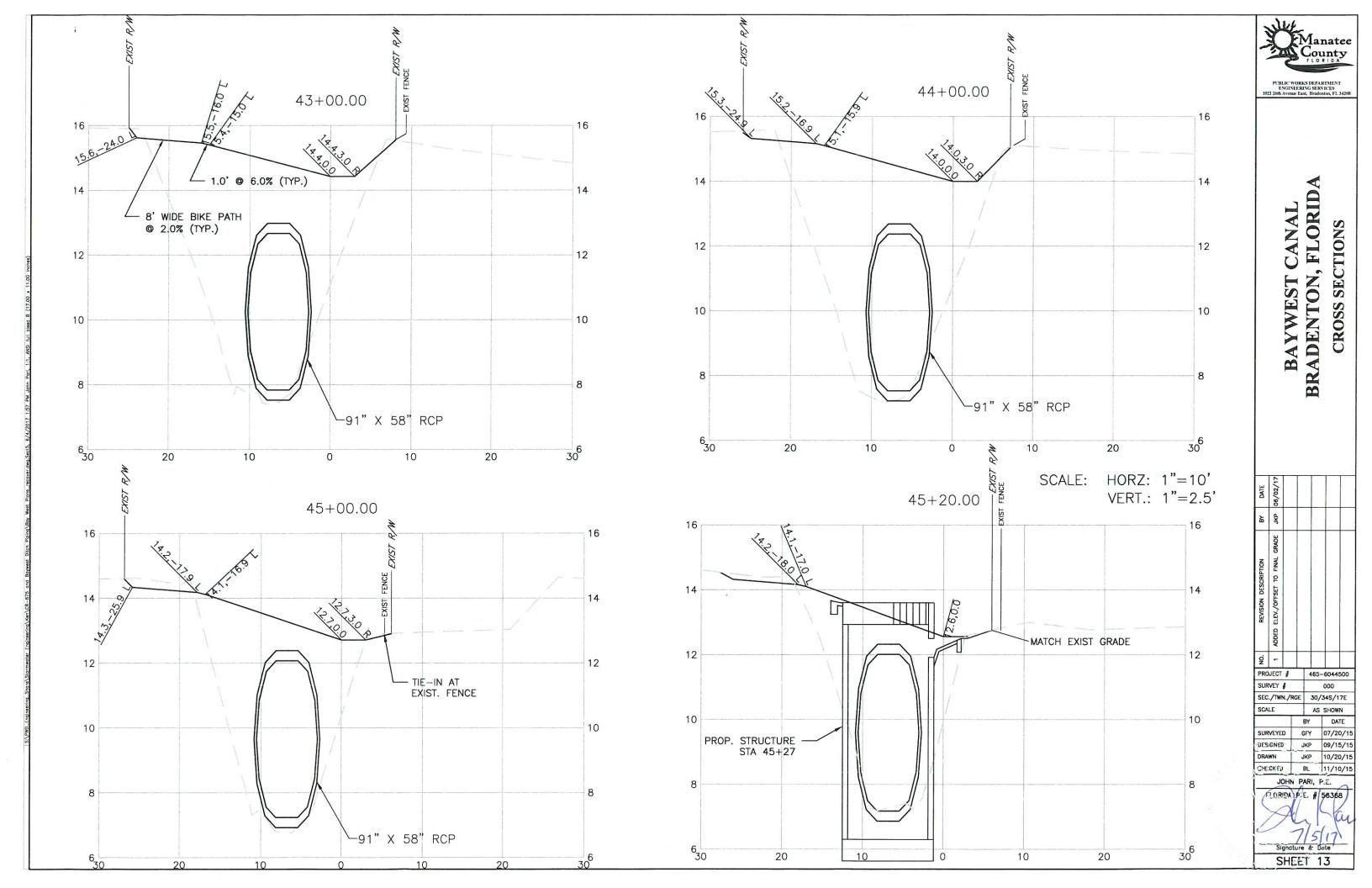
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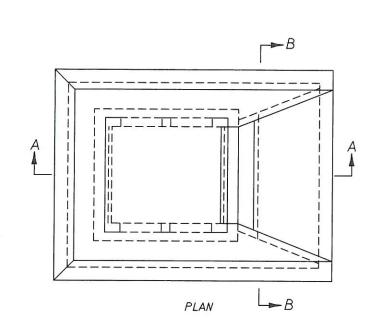
DESIGNET! JKP 09/15/15

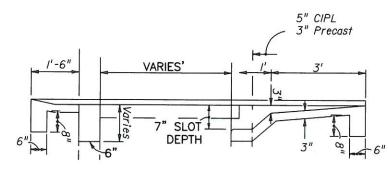
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CHECKED BL 11/10/15

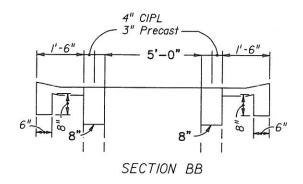
JOHN PARI, P.E.

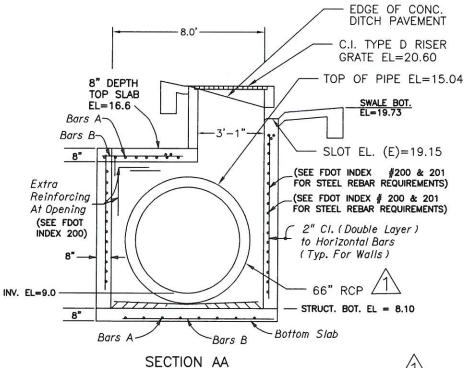






SECTION AA SINGLE SLOT

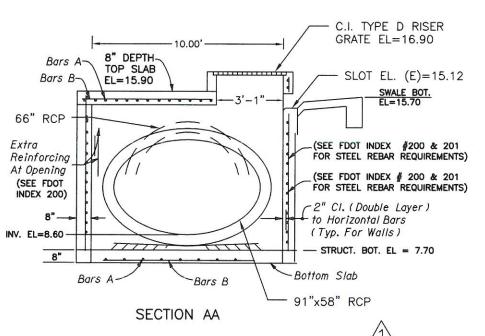




STRUCTURE DETAIL STA 37+34 (8'x5')

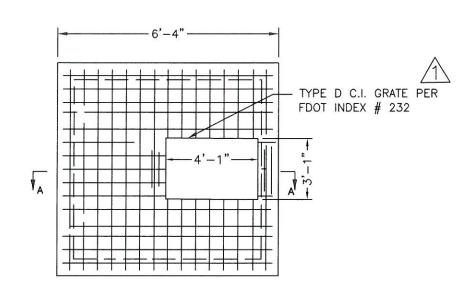
W/18" CONC. EDGING

PER FDOT INDEX NOS. 200, 201, 232

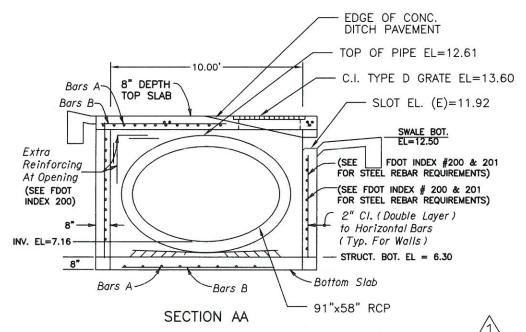


STRUCTURE DETAIL STA 40+44 (10'x5')

PER FDOT INDEX NOS. 200, 201, 232



TOP SLAB REINFORCING STEEL DIAGRAM
PER FDOT INDEX # 200



STRUCTURE DETAIL STA 45+27 (10'x5')

W/18" CONC. EDGING

PER FDOT INDEX NOS. 200, 201, 232



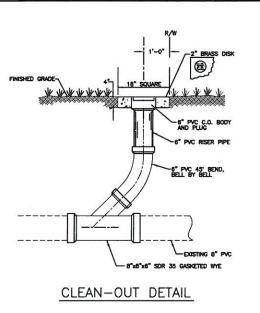
BAYWEST CANAL BRADENTON, FLORIDA CONSTRUCTION DETAILS

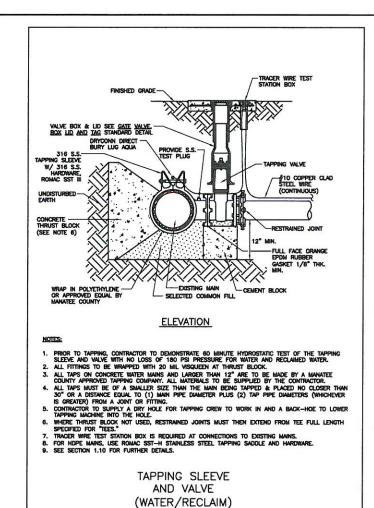
	_				1	T
DATE	06/02/17					
a	JKP	4				
REVISION DESCRIPTION	ADDENDUM # 1					
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	JECT	-	4	65-	-6044	500
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		4_	BY		_	ATE
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DIZA	WN	1	JKF		10/2	0/15

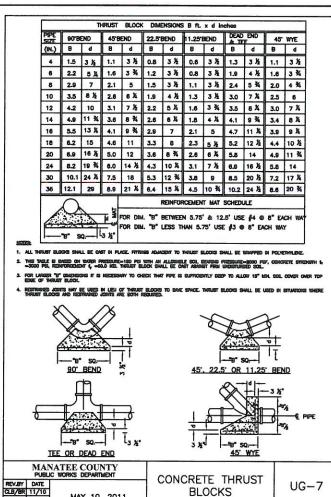
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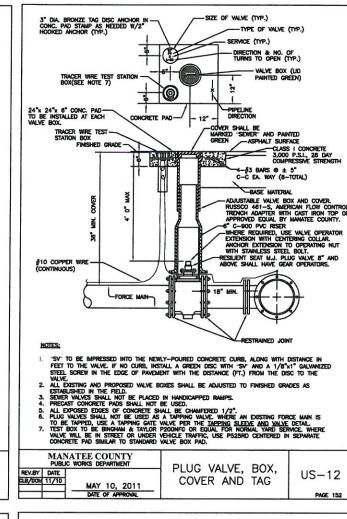
JOHN PARI, P.E. FLORIDA P.E. # 56368

Signature & Date
SHEET 14









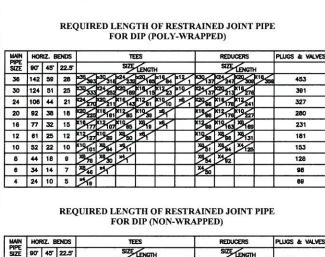


Manatee

FLORIDA

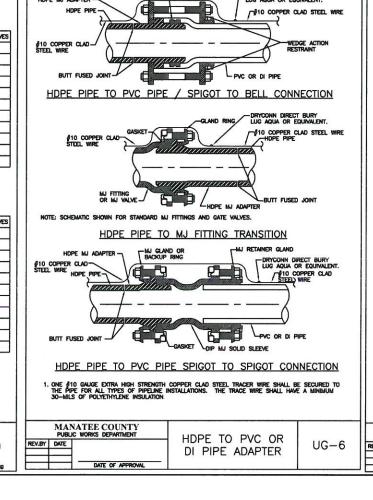
County

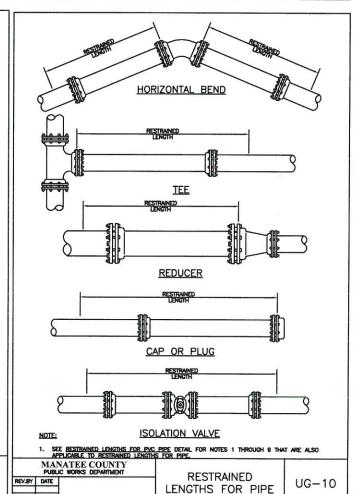
PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 3420



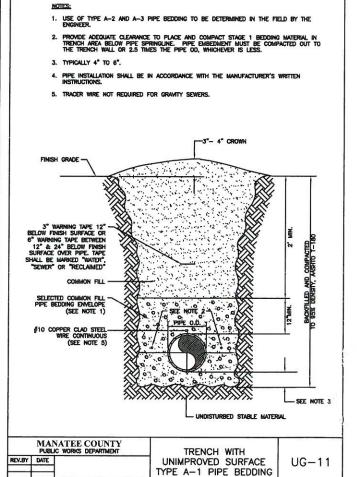
MAIN	HOR	UZ. E	ENDS			TE	ES				REDU	ICERS	PLUGS	& VALVES
PIPE	90	45"	22.5			SIZE	LENGT	н			SIZE	LENGTH		
36	100	42	20	163	39/32	24 98	20/66	×1950	*131	2967	103	128 X16	48	188
30	88	37	18	C39/3#	24 104	20/18	X16 48	X1310	×191	24/57	200	X19 114		162
24	75	31	15	24/12	29/67	X1959	X12/25	×194	19/	20/40	X1974	X12 100		135
20	65	27	13	20/83	×19 67	X12 35	X10 8	191		×1641	×13/3	×10 84		116
16	54	22	11	×19/3	*1344	×1927	36	3		×1241	×1968	29/20		96
12	43	18	8	×13 53	11957	X921	79/			X1957	X340	XB 54		75
10	37	15	7	X1942	X3/26	×95			a transiera	XB 21	X6 59	X4 52		63
8	30	13	6	X352	X6/12	1				X6 22	X4 58			53
6	24	10	5	X8/8	34					X4 21				41
4	17	7	3	*										29

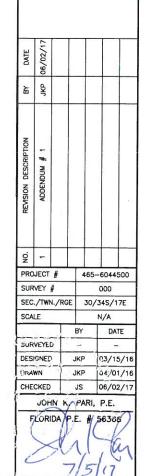
NOTE: SEE <u>BESTRAINED LENGTHS FOR PVC F</u> ALSO APPLICABLE TO RESTRAINED LEN	<u>PIPE</u> DETAIL FOR NOTES 1 THROUGH 8 THAT AN HGTHS FOR DIP.	Æ
MANATEE COUNTY PUBLIC WORKS DEPARTMENT	RESTRAINED	
REV.BY DATE CLB/BR 11/10 MAY 10 2011	LENGTHS FOR DIP	UG-9





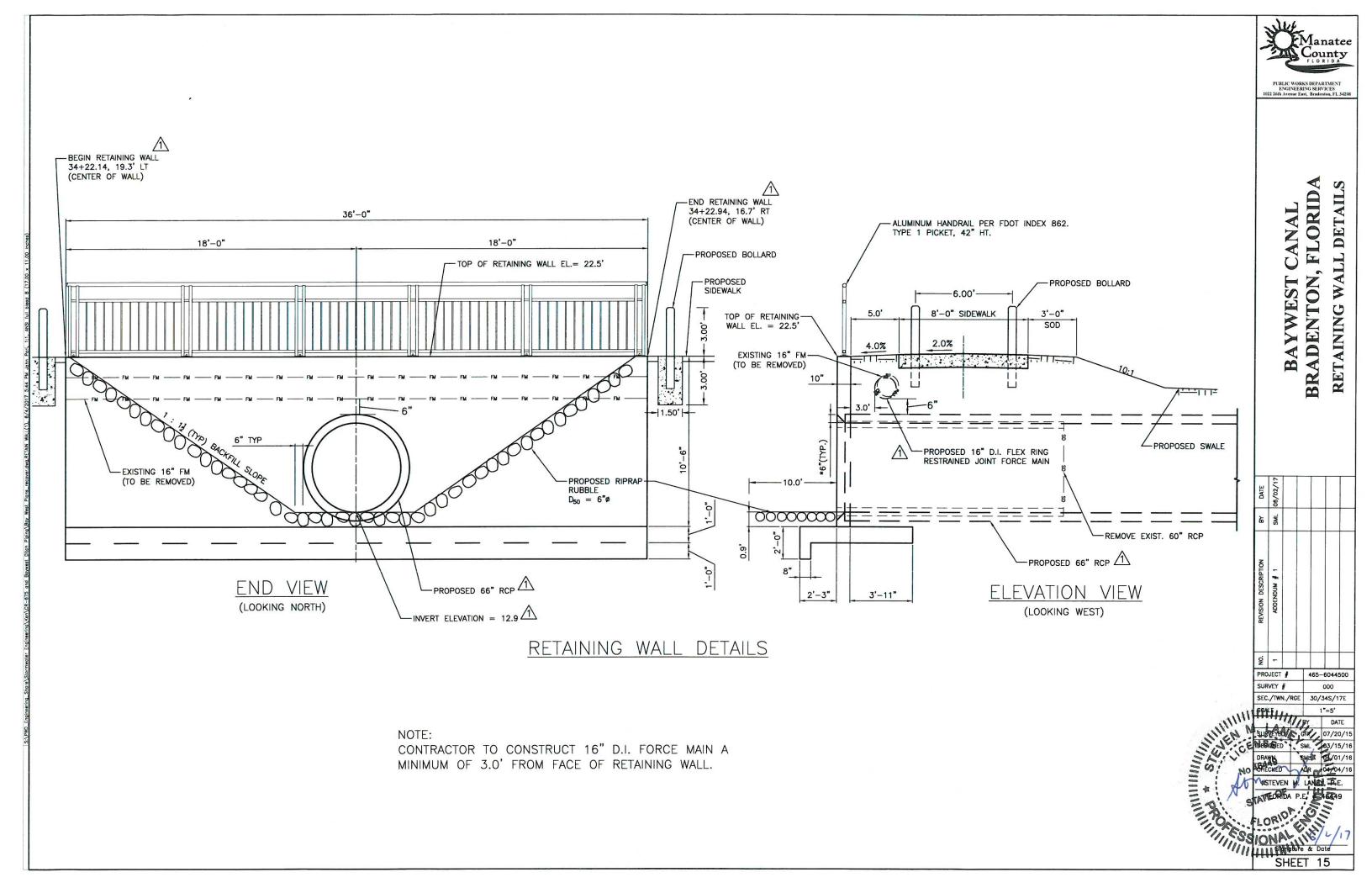
PAGE 107

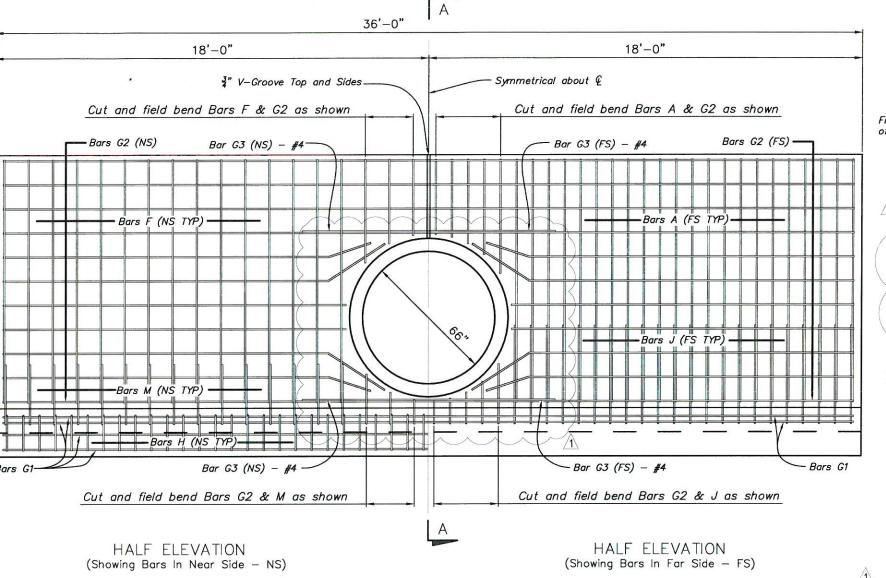




Signature & Date

SHEET 14A





GENERAL NOTES:

1. Designed according to FDOT Structures Manual (current edition).

Design includes 1.5' surchage for pedestrian and vehicle live load effects.

Work this sheet with Index Nos. 255 and 6010.

4. Concrete Class IV (f'c = 5500 psi) without silica fume, metakaolin or ultrafine fly ash.

Reinforcing steel to be ASTM A615 Grade 60 steel.

6. Chamfer: All exposed edges and corners to be chamfered 3/4" unless otherwise shown.

Wall exposed face surface texture shall be Smooth.

8. Environmental Classification is Moderately Aggressive.
9. Minimum Soil Nominal Bearing Resistance = 3000 psf.
10. Foundation — Prepare the soil below the footing in accordance with the requirements for spread footings in Specification Section 455.

Dsoil is typical depth of soil and is used for design purposes only.

12. Basis of payment for cast-in-place construction shall be the estimated quantities tabulated. Concrete and reinforcing steel shall be paid for under the contract unit prices for Class IV Concrete (Retaining Wall), CY and Reinforcing Steel (Roadway), LB.

MARK	SIZE	NO. REQD	LEN	GTH
Α	5	44	10'-	-4"
A*	5	10	3'-9"	AVG
J	5	44	6'-	8"
J*	5	10	4'-2"	AVG
F	4	30	10'-	-4"
F*	4	6	3'-8"	AVG
М	4	30	6'-	10"
M*	4	6	5'-10'	' AVG
Н	5	54	7'-	11"
G1	4	18	35'-	-6"
G2	4	10	35'-	-6"
G2*	4	24	15'-3'	' AVG
G3	4	4	12'-	-0"
* BA	RS TO	BE FIELD C	CUT OR B	ENT
	ESTIM	ATED QU	ANTITIE:	S
	ITEN		UNIT	RCP

CY

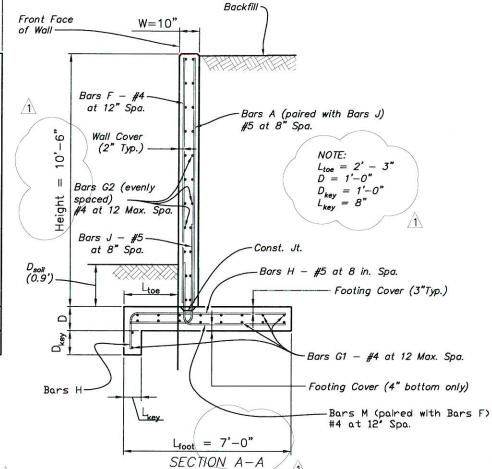
LBS

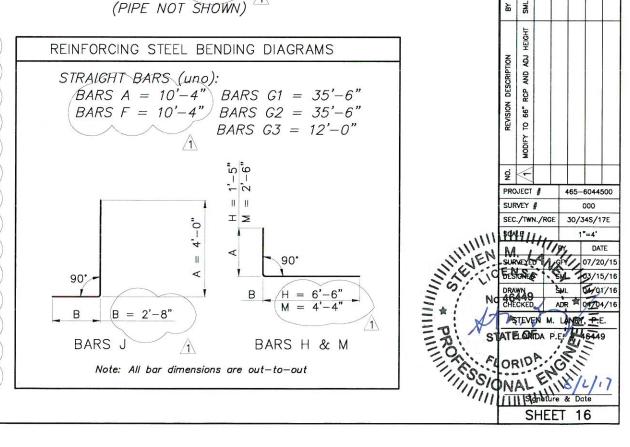
21.2

2631

Class IV Concrete

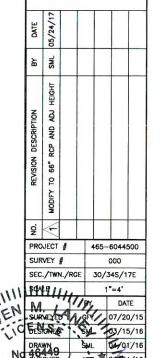
Reinforcing Steel

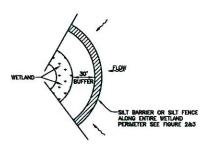




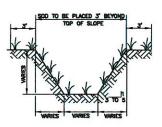


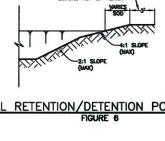
RETAINING WALL DETAILS FLORID CANAL BRADENTON, BAYWEST



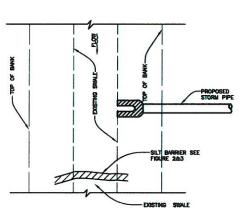




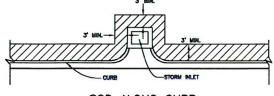




TYPICAL RETENTION/DETENTION POND SECTION FIGURE 6

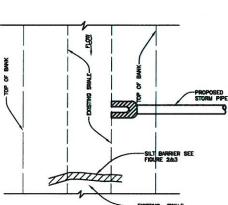


TURBIDITY BARRIER AT CONNECTION OF STORM PIPE TO EXISTING LAKE



SOD ALONG CURB AND AROUND INLET

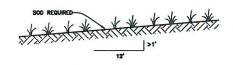
REFERENCE THE FDOT DESIGN STANDARDS LATEST EDITION FOR ALL TEMPORARY EROSION CONTROL MEASURES.

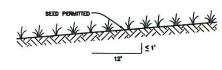


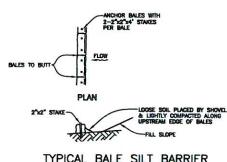
PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

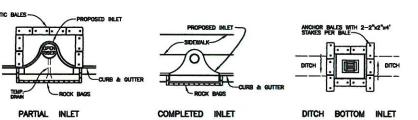
TYPICAL SILT FENCE FIGURE 2

SILT BARRIER AT CONNECTION OF STORM PIPE TO EXISTING SWALE

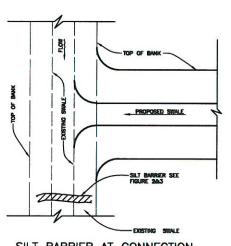




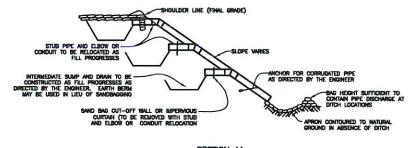




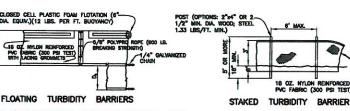
SYNTHETIC BALE PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
FIGURE 7

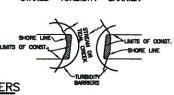


SILT BARRIER AT CONNECTION OF SWALE TO EXISTING SWALE



SECTION AA TEMPORARY SLOPE DRAIN FIGURE 15

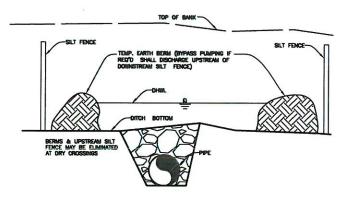




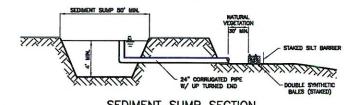
TURBIDITY BARRIERS
FIGURE 4



TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS STAKED SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS
FIGURE 8



UNDERGROUND PIPE CROSSING FIGURE 12



SEDIMENT SUMP SECTION FIGURE 16

BRADENTON, FLORIDA BAYWEST CANAL **EROSION DETAILS**

Manatee County FLORIDA

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

PROJECT # 465-6044500 SURVEY # 000 SEC./TWN./RGE 30/34S/17E

N/A DATE SURVEYED GFY 07/20/15 DES'GNED. 09/15/15 DRAWN 10/20/1 CHECKED

JOHN MARI, P.E