

COMPONENTS OF PLAN SET:

CONSTRUCTION PLANS

INDEX OF CONSTRUCTION PLANS

SHEET NO. SHEET DESCRIPTION

C1.0 NOTES

C2.0 PRELIMINARY SITE PLAN
C3.0 HORIZONTAL CONTROL PLAN

C4.0 GRADING, DRAINAGE & PAVING PLAN

C5.0 UTILITY PLAN

C6.0 CIVIL DETAILS

C6.1 UTILITY DETAILS

D1.0 DRAINAGE MAP

D2.0 STORMWATER POLLUTION PREVENTION PLAN

T1.0 SIGNALIZATION GENERAL NOTES AND QUANTITIES

T2.0 MILE STRETCH DRIVE EMERGENCY SIGNALIZATION PLAN

T3.0 MAST ARM TABULATION

T4.0 TABLES OF VARIABLES

FIRE STATION NO. 12

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG

B's fast. It's free, IX's the low-

www.callsunshine.com

CONSULTANTS

CIVIL ENGINEERS
COASTAL DESIGN CONSULTANTS
7026 LITTLE ROAD
NEW PORT RICHEY, FLORIDA 34654

(727) 849-8010 Email:paul@coastaldesignconsultants.com

FLEISCHMAN & GARCIA ARCHITECTS

195 4TH AVENUE, NORTH SAFETY HARBOR, FLORIDA 34695

PH. 727-725-8880
FAX. 727-725-3900 EMAIL:J.Pelszynski@fleischmangarcia.com

SURVEY SERVICES:
DC JOHNSON & ASSOCIATES, INC.

11911 SOUTH CURLEY STREET SAN ANTONIO, FLORIDA 33576

ARCHITECT

PHONE: (352) 588-2768 FAX: (352) 588-2713 Email:info@dcjohnson.com

GEOTECHNICAL:
PROFESSIONAL SERVICES INDUSTRIES, INC.

16550 SCHEER BLVD., SUITE 1 HUDSON, FLORIDA 34667

PH. 727-868-9526 FAX 727-868-0094 Email:jr.kenney@psiusa.com

UTILITY SUPPLIERS

4121 St. Lawrence Drive
New Port Richey, FL 34653
T (727) 372-5152 / F (727) 939-4326
Email:Jerome.Mecham@duke-energy.com

Verizon Florida, LLC 1280 Cleveland Street Clearwater, FL 33755 T (727) 562-1130 / F (727) 465-0624 Email:Terry.Waidley@verizon.com

Bright House Networks 30432 State Road 54 Wesley Chapel, FL 33543 T (813) 862-0522 ext. 84266 / F (813) 377-0226 Email:thomas.sansing@mybrighthouse.com Pasco CountyTraffic Operations 7530 Little Road, Suite 104 New Port Richey, FL 34654 T (727) 847-8139 / F (727) 815-7014 Email:dskrelunas@pascocountyfl.net

Pasco County Utilities
Public Works/Utilities Building
7536 State St., Suite 118
New Port Richey, FL34654
T (727) 847-8145 / F (727) 847-8064
Email:mramirez@pascocountyfl.net

Florida Governmental Utility Authority 6915 Perrine Ranch Road New Port Richey, FL 34655 T (727) 372-0115 / F (727) 372-2677 Email:fguacs_pascoco@govserv.com

SIMULTANEOUS SUBMITTAL OF PRELIMINARY / CONSTRUCTION PLANS

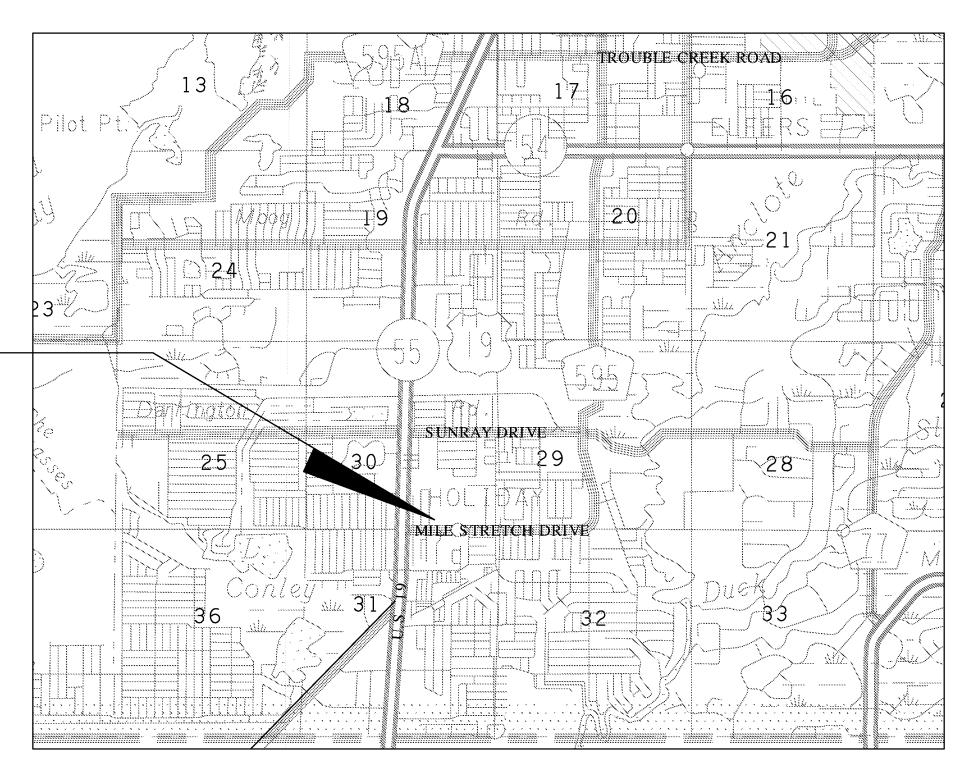
PASCO COUNTY FIRE & RESCUE STATION

NO. 12

FOR



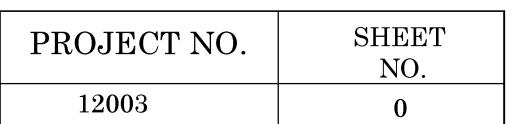
7220 OSTEEN ROAD NEW PORT RICHEY, FLORIDA 34653

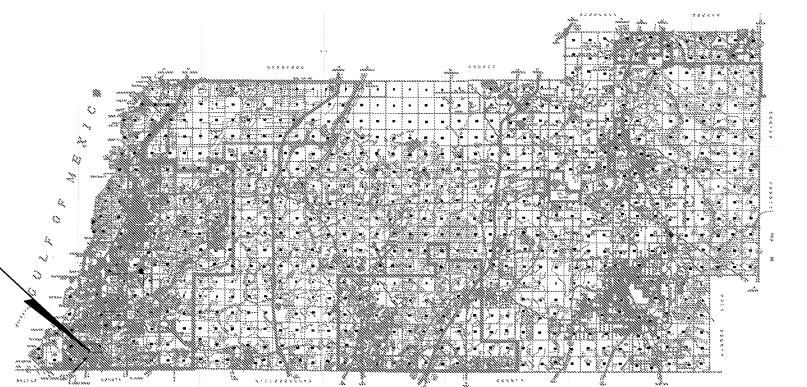


FM 12-003

REVISIONS						
DATE	BY	DESCRIPTION				

[&]quot;These plans have been prepared in accordance with the current version of the "Manual Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, State of Florida" and are in compliance with the standards therein except as noted on the plans. Any deviations noted on the plans substantially comply with the intent of the standards."





LOCATION OF PROJECT

0.25 0.5

PASCO COUNTY COMMISSIONERS

DISTRICT 1 TED SCHRADER
DISTRICT 2 MIKE MOORE
DISTRICT 3 KATHRYN STARKEY
DISTRICT 4 MIKE WELLS JR.
DISTRICT 5 JACK MARIANO



PAUL A. MANUEL P.E.

PLANS PREPARED BY



7026 LITTLE ROAD NEW PORT RICHEY, FL 34654 PH.727-849-8010 FAX 727-849-8020 C. A. # 00009572

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

CONSTRUCTION I APPROVED BY:_	PLANS
DATE:	

P.E. NO.: 51424

TECHNICAL SPECIFICATIONS

ALL SITE AND UTILITY WORK PERFORMED ON THIS PROJECT SHALL BE GOVERNED BY APPLICABLE PROVISIONS OF PASCO COUNTY AND THE PASCO COUNTY UTILITY DEPARTMENT. THE PROJECT SHALL BE CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CONSTRUCTION DRAWINGS & SPECIFICATIONS DESCRIBED HEREIN. AND WITH THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN CONSTRUCTION, AND MAINTENANCE OF STREETS AND HIGHWAYS, STATE OF FLORIDA. IN THE EVENT THAT AN ITEM IS NOT ADDRESSED IN THESE PLANS OR THE SPECIFICATIONS, THEN THE APPLICABLE PROVISIONS OF THE "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION AND SUPPLEMENTS THERETO SHALL APPLY, EXCEPT AS OTHERWISE SPECIFICALLY APPROVED BY THE OWNER AND / OR THE ENGINEER OF RECORD.

THE FOLLOWING ARE INCORPORATED HEREIN BY REFERENCE:

- 1. PASCO COUNTY ENGINEERING SERVICES DEPARTMENT "TESTING SPECIFICATIONS FOR CONSTRUCTION OF ROADS, STORM DRAINAGE AND UTILITIES" 2006
- PASCO COUNTY UTILITY DEPARTMENT "STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER, WASTEWATER AND RECLAIMED WATER FACILITIES". 2006
- 3. FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" 2011
- 4. FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" 2015
- 5. FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY AND TRAFFIC DESIGN STANDARDS" 2015
- 6. FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" 2009 NOTE: ON-SITE WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF DISTRICT SCHOOL

GENERAL CONSTRUCTION NOTES

- ELEVATIONS SHALL BE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK "H 669". ALL SURVEY DATA WAS PROVIDED BY DC JOHNSON & ASSOCIATES, INC.
- LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING THIS WORK, PRIOR TO
- THE CONTRACTOR SHALL CHECK THE PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER'S ENGINEER OF ANY CONFLICTS OR DISCREPANCIES BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
- THE CONTRACTOR IS CAUTIONED THAT THE LOCATION OF EXISTING UTILITIES. WHETHER OR NOT SHOWN, ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ACTUAL FIELD LOCATIONS FROM THE RESPECTIVE UTILITY COMPANY 48 HOURS BEFORE BEGINNING WORK.

SUNSHINE STATE ONE CALL ----- 1-800-432-4770

- 5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR.
- 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY

EARTHWORK CONSTRUCTION:

- ALL EARTHWORK CONSTRUCTION SHALL BE PAID FOR BY PLAN QUANTITIES.
- ALL FILL SUITABLE FOR CONSTRUCTION EITHER REQUIRED OR IN EXCESS TO THE PROJECT IS THE PROPERTY OF THE OWNER AND SHALL BE UTILIZED FOR THE PROJECT OR STOCKPILED ON-SITE AS DIRECTED BY THE OWNER AND / OR ENGINEER OF RECORD.
- 8. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE OWNER'S ENGINEER, SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS WHICH ARE FOR THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE ALL SHOP DRAWINGS ARE TO BE REVIEWED AND APPROVED BY THE CONTRACTOR PRIOR TO SUBMITTAL
- 9. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND APPROPRIATE AGENCIES AND SUPPLY THEM WITH ALL REQUIRED SHOP DRAWINGS. THE CONTRACTOR'S NAME, STARTING DATE, PROJECTED SCHEDULE AND OTHER INFORMATION AS REQUIRED. ANY WORK PERFORMED PRIOR TO NOTIFYING THE ENGINEER, OR WITHOUT AGENCY INSPECTOR PRESENT MAY BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- 10. BACKFILL MATERIAL SHALL BE SOLIDLY TAMPED AROUND PIPES IN 6" LAYERS UP TO A LEVEL OF AT LEAST ONE FOOT ABOVE THE TOP OF THE PIPE. IN AREAS TO BE PAVED, BACKFILL SHALL BE COMPACTED TO 100% MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-99
- 11. SITE WORK CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF AT LEAST 3,000 P.S.I. IN 28 DAYS, UNLESS OTHERWISE NOTED.
- 12. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. ADDITIONAL COSTS ARE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION IS TO BE
- 13. ALL DISTURBED AREAS ARE TO BE SODDED TO FDOT STANDARDS UNLESS OTHERWISE NOTED. AREAS CALLED OUT IN THE PLANS TO BE SEEDED AND MULCHED, THE FOLLOWING SHALL APPLY:
- A. ALL AREAS WITH SLOPES EQUAL TO OR GREATER THAN 4:1 OR WITHIN 2' OF ANY PAVEMENT OR CURB SHALL BE SODDED. ALL SODDED SLOPES STEEPER THAN 4:1 SHALL BE INSTALLED WITH
- B. ALL AREAS WITHIN 5' OF ANY DRAINAGE STRUCTURE OR WITHIN CITY, COUNTY AND/OR FDOT R.O.W. SHALL BE SODDED.

ALL SODDED AND SEEDED / MULCHED AREAS SHALL BE MAINTAINED UNTIL A SATISFACTORY STAND OF GRASS, ACCEPTABLE TO THE REGULATORY AGENCY AND ENGINEER OF RECORD, ANY WASHOUTS. REGRADING, RESEEDING AND GRASSING WORK, AND OTHER EROSION WORK REQUIRED, WILL BE PERFORMED BY THE CONTRACTOR, UNTIL THE SYSTEM IS ACCEPTED FOR MAINTENANCE BY THE REGULATORY AGENCY AND ENGINEER OF RECORD.

- 14. ALL SODDING, SEEDING AND MULCHING SHALL INCLUDE WATERING AND FERTILIZATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE AREAS UNTIL THE PROJECT IS COMPLETED AND ACCEPTED BY REGULATORY AGENCIES, THE ENGINEER OF RECORD, AND THE OWNER.
- 15. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED PLANS AND PERMITS AT THE CONSTRUCTION SITE.
- 16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY AT ALL TIMES TO CONTROL FUGITIVE DUST FROM THE CONSTRUCTION SITE. THE CONTRACTOR IS ADVISED THAT THE USE OF A WATER TRUCK OR TRAILER MAY BE REQUIRED FOR THE PURPOSE OF KEEPING THE SOIL MOIST TO CONTROL FUGITIVE DUST.
- 17. IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF HISTORIC RESOURCES, INCLUDING BUT NOT LIMITED TO ABORIGINAL OR HISTORIC POTTERY, PREHISTORIC STONE TOOLS, BONE OR SHELL TOOLS, HISTORIC TRASH PITS. OR HISTORIC BUILDING FOUNDATIONS. ARE DISCOVERED. WORK SHALL COME TO AN IMMEDIATE STOP AND THE FLORIDA DEPARTMENT OF HISTORICAL RESOURCES (STATE HISTORIC PRESERVATION OFFICER) AND THE LOCAL GOVERNING CITY AND/OR COUNTY DEPARTMENT SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE RESOURCES FOUND ON SITE.
- 18. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED BY THE CONTRACTOR. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS PERSONNEL. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY O.S.H.A. IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION.
- 19. ALL REQUIRED TEST REPORTS SHALL BE SUPPLIED BY CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER OR ENGINEER OF RECORD. THE TESTING COMPANY SHALL SUPPLY THE ENGINEER WITH A COPY OF ALL COMPACTION TESTS AND ASPHALT TESTING RESULTS. THE TESTING COMPANY SHALL CERTIFY TO THE ENGINEER OF RECORD, IN WRITING THAT ALL TESTING REQUIREMENTS REQUIRED BY THE LOCAL REGULATORY AGENCY AND THE FLORIDA DEPARTMENT OF TRANSPORTATION (F.D.O.T.), FOR THE IMPROVEMENTS AS REQUIRED BY THE ENGINEERING CONSTRUCTION DRAWINGS, HAVE BEEN

PAVING, GRADING & DRAINAGE NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. TRENCHES SHALL BE KEPT DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED. DE-WATERING SHALL BE USED AS REQUIRED.
- IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES SHOWN TO BE SAVED. THE CONTRACTOR IS TO COORDINATE WITH OWNER'S ENGINEER PRIOR TO ANY ELEVATION
- THE CONTRACTOR IS TO PROVIDE A 1/2" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER, AT ABUTMENT
- 4. ALL PAVEMENT MARKINGS SHALL BE MADE WITH THERMOPLASTIC, EXCEPT PARKING STALL DELINEATIONS, WHICH MAY BE TRAFFIC RATED PAINT. PARKING STALL DELINEATION SHALL BE 6" MIN. WIDTH.
- ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE CLASS III (A.S.T.M. C-76) UNLESS OTHERWISE
- P.V.C. STORM PIPE, 12" AND SMALLER SHALL CONFORM TO A.W.W.A. C-900, CLASS 150 STANDARDS UNLESS
- PIPE LENGTHS SHOWN ARE APPROXIMATE AND TO THE CENTER OF DRAINAGE STRUCTURES. PIPE LENGTH SHOWN, WHERE MITERED END SECTION OF PIPE, SHALL BE INCLUDED IN THE UNIT COST OF THE MITERED END.
- ALL DIMENSIONS SHOWN WHERE CURB IS APPLICABLE ARE TO THE EDGE OF PAVEMENT.
- ALL DRAINAGE STRUCTURE GRATES AND COVERS WITHIN TRAFFIC AREAS SHALL BE TRAFFIC RATED FOR H-20
- WHEN CONSTRUCTION IS COMPLETED, THE RETENTION/DETENTION AREAS WILL BE RESHAPED, CLEANED OF SILT,

MUD AND DEBRIS AND SODDED AND / OR SEED / MULCH IN ACCORDANCE TO THE PLANS.

- 11. SOD SHALL BE STAKED AS NECESSARY TO PREVENT DISPLACEMENT.
- THE CONTRACTOR SHALL PROVIDE CERTIFIED RECORD DRAWINGS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR. THE RECORD DRAWINGS SHALL SHOW FINAL GRADES, INVERTS AND LOCATIONS OF ALL ONTRACTOR SHALL PROVIDE TEN COPIES OF THE CERTIFIED RECORD DRAWINGS TO THE ENGINEER FOR THE PURPOSE OF CERTIFYING THE STORMWATER MANAGEMENT SYSTEM.
- ALL DRAINAGE PIPE SHALL BE CUT FLUSH WITH THE INTERIOR WALLS OF EACH DRAINAGE STRUCTURE AND
- PAVING, GRADING & DRAINAGE TESTING & INSPECTION REQUIREMENTS
- 1. THE STORM DRAINAGE PIPING AND FILTRATION SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. THE CONTRACTOR IS TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE AN INSPECTION.
- 2. THE CONTRACTOR SHALL MAINTAIN THE STORM DRAINAGE SYSTEMS UNTIL FINAL ACCEPTANCE OF THE
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE APPLICABLE TESTING WITH THE TESTING COMPANY. UPON COMPLETION OF THE WORK, THE TESTING COMPANY MUST SUBMIT CERTIFICATIONS TO THE OWNER'S ENGINEER STATING THAT TESTING REQUIREMENTS HAVE BEEN MET.

CLEARING AND GRUBBING NOTES

- CLEARING AND GRUBBING FOR PURPOSES OF THE PROJECT DESCRIBED HEREIN SHALL BE IN ACCORDANCE WITH SECTION 110 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." 2015
- 2. ALL VEGETATION, STRUCTURES, MATERIALS DEBRIS AND FILL UNSUITABLE FOR CONSTRUCTION AND OF NO SALVAGE VALUE TO THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE
- 3. EXISTING PAVEMENT SHALL BE REMOVED AND DISPOSED OF BY CONTRACTOR AT THIS EXPENSE. THE CONTRACTOR MAY (AT HIS OPTION) USE EXISTING LIMEROCK BASE MATERIAL AS A STABILIZING ADDITIVE TO THE SUBBASE. AT

NO TIME WILL EXISTING BASE MATERIAL BE INCORPORATED WITHIN THE NEW BASE

- PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN ON THE CONSTRUCTION PLANS SHALL BE PROTECTED IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY'S TREE ORDINANCE AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. NO TREES SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER.
- ALL DELETERIOUS SUBSTANCE MATERIAL, (I.E. MUCK, PEAT, BURIES DEBRIS), IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS, OR AS DIRECTED BY THE OWNER'S ENGINEER OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE REMOVED FROM THE SITE OR AS OTHERWISE DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE
- 6. THE CONTRACTOR SHALL CLEAR AND GRUB, ONLY THOSE PORTIONS OF THE SITE, AS NECESSARY FOR CONSTRUCTION. DISTURBED AREAS WILL BE SODDED FOLLOWING CONSTRUCTION.
- 7. THE TOP 4" TO 6" OF GROUND REMOVED DURING CLEARING AND GRUBBING SHALL BE STOCKPILED AT A SITE DESIGNATED BY THE OWNER UNLESS OTHERWISE DIRECTED BY THE OWNER.
- 8. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- 9. THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS FOR REMOVING ANY EXISTING STRUCTURES. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING A VISUAL INSPECTION OF THE SITE AND WILL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL UNDERGROUND AND ABOVE GROUND STRUCTURES THA WILL NOT BE INCORPORATED WITH THE NEW FACILITIES. SHOULD ANY DISCREPANCIES EXIST WITH THE PLANS, THI CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING THE OWNER AND REQUESTING A CLARIFICATION OF THE PLANS
- 11. NO ON-SITE BURNING SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE LOCAL FIRE MARSHALL. EROSION CONTROL NOTES
- DURING CONSTRUCTION, ALL STORM SEWER 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.
- ALL EROSION AND SILTATION CONTROL METHODS SHALL BE IMPLEMENTED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
- CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, WATERWAYS AND EXISTING WETLANDS. IN ADDITION, THE CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON THE GROUND IN areas where construction related traffic is to enter and exit the site. If, in the opinion of the ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES.

DEWATERING PLAN / NOTES

- THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING GUIDELINES WHEN CONSTRUCTION ACTIVITIES REQUIRE DEWATERING: 1. DEWATERING ACTIVITIES SHALL BE CONTAINED WITHIN THE PROJECT AREA.
- THE PROPOSED DRAINAGE RETENTION AREAS CAN BE USED AS TEMPORARY SETTLING AREAS FOR DEWATERING ACTIVITIES. THE PROPOSED DRAINAGE RETENTION AREA(S) SHALL BE CONSTRUCTED TO A SUFFICIENT SIZE AND DEPTH TO RECEIVE WATER FROM DEWATERING ACTIVITIES. IF AT ANY TIME STAGING OF WATER WITHIN THE RETENTION AREA APPROACHES 6-INCHES OF THE PROPOSED POND TOP-OF-BANK, DEWATERING ACTIVITIES SHALL STOP UNTIL THE RETENTION VOLUME HAS RECOVERED.
- SHEET PILE WALLS, SLURRY WALLS, OR OTHER MEANS OF LIMITING THE EXTENT OF THE WATER TABLE DRAWDOWN,
- WATER DISCHARGE FROM SETTLING AREAS SHALL BE CLEAN AND FREE OF ANY SILT. SILT BARRIERS (I.E. SILT FENCE, HAY BALES, ROCK BAGS OR ANY COMBINATION NECESSARY TO REMOVE SEDIMENTS PRIOR TO DISCHARGE) SHALL BE INSTALLED AND MAINTAINED UNTIL ALL DEWATERING ACTIVITIES ARE COMPLETE.
- 5. AT NO TIME SHALL DISCHARGE FROM THE DEWATERING ACTIVITIES BE DIRECTED IN A MANNER THAT WOULD IMPACT AN EXISTING WETLAND, LAKE OR RIVER.
- 6. DEWATERING ACTIVITIES SHALL BE LIMITED TO TIME PERIODS THAT CONSTRUCTION ACTIVITIES REQUIRED DEWATERING. ALL IMPLEMENTED DEWATERING INFRASTRUCTURE, EQUIPMENT, ETC. SHALL BE REMOVED UPON COMPLETION OF
- 7. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO PASCO COUNTY ENGINEERING INSPECTIONS DEPARTMENT AT (727) 834 3670 FOR REVIEW PRIOR TO EROSION CONTROL PRE-INSPECTION MEETING.

PASCO COUNTY COMMENT REVISIONS:

1. ADDED PASCO COUNTY DEWATERING NOTE.

GENERAL UTILITY NOTES

- 1. NO CONNECTION TO THE EXISTING UTILITY LINES SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE LOCAL GOVERNING UTILITY
- 2. ALL AREAS DISTURBED BY THIS CONSTRUCTION SHALL BE SODDED WITH BAHIA AND / OR MATCH EXISTING GRASS TYPE.
- ALL UTILITY LINES SHALL HAVE AN "EARLY WARNING" PROTECTION TAPE INSTALLED CONTINUOUSLY ALONG THE PIPE ALIGNMENT.
- IN THE CASE OF GRAVITY SEWERS, THE TAPE SHALL BE SECURED TO EACH MANHOLE. THE PROTECTION TAPE SHALL BE INSTALLED DURING BACK FILLING 12" BELOW FINAL GRADE DIRECTLY OVER THE PIPE. THE TAPE SHALL HAVE A METALLIC
- DETECTABLE STRIP SANDWICHED BETWEEN 2 LAYERS OF POLYETHYLENE, 2" WIDE STRIPPING WITH A THICKNESS OF 5.5 MILS. (BLUE TAPE) FOR WATER LINES, THE TAPE SHALL BE CONTINUOUSLY MARKED "CAUTION WATER LINE BELOW".
- (GREEN TAPE) FOR FORCE MAINS, THE TAPE SHALL BE CONTINUOUSLY MARKED "CAUTION, SEWAGE FORCE MAIN BELOW".
- (GREEN TAPE) FOR SANITARY SEWER LINES, THE TAPE SHALL BE CONTINUOUSLY MARKED "CAUTION, SEWER MAIN BELOW".
- (PURPLE TAPE) FOR RECLAIMED WATER LINES, THE TAPE SHALL BE CONTINUOUSLY MARKED "CAUTION RECLAIMED WATER LINE BELOW"
- 3. THE CONTRACTOR IS CAUTIONED THAT THE LOCATION OF EXISTING UTILITIES, WHEN SHOWN, ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ACTUAL FIELD LOCATIONS FROM THE RESPECTIVE UTILITY COMPANY 48 HOURS
- 4. ALL UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE DOCUMENTS REFERENCED HEREIN, ANY METHODS, PROCEDURE STANDARDS, EQUIPMENT, OR MATERIALS WHICH ARE NOT COVERED OR SPECIFIED BY THE APPLICABLE PROVISIONS OF THE GOVERNING MUNICIPALITY WATER/SEWER STANDARDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND F.D.O.T. UTILITIES SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY.
- 5. ALL UTILITIES WILL BE INSTALLED UNDERGROUND.

WATER/SEWER CLEARANCE REQUIREMENTS:

SANITARY SEWERS, STORM SEWERS AND STRUCTURES, RECLAIMED WATER MAINS, OR FORCE MAINS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 12 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS AND WATER JOINTS WILL BE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN 10 FEET BETWEEN ANY TWO JOINTS. WHERE THE MINIMUM 12 INCH SEPARATION CANNOT BE

- I. THE PROPOSED PIPE SHALL BE CONSTRUCTED OF PRESSURE RATED PVC PIPE, (MEETING THE AWWA C-900 OR C-905 SPECIFICATION) AND SHALL BE PRESSURE TESTED AT 150 PSI TO ASSURE TIGHTNESS PRIOR TO BACKFILLING.
- II. EITHER THE WATER MAIN OR THE OTHER PIPE SHALL BE ENCASED IN A WATERTIGHT CARRIER PIPE. THE CARRIER PIPE SHALL BE OF MATERIALS APPROVED BY THE F.D.E.P. FOR USE IN WATER MAIN CONSTRUCTION.
- III. USE WELDED, FUSED OR OTHERWISE RESTRAINED JOINTS FOR EITHER THE WATER MAIN OR OTHER PIPELINE.
- IV. USE OF PIPE OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E. HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE)
- V. UNDERGROUND WATER MAINS SHALL BE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET, AND PREFERABLY TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED
- VI. UNDERGROUND WATER MAINS SHALL BE A HORIZONTAL DISTANCE OF AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE—TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
- VII. UNDERGROUND WATER MAINS SHALL BE A HORIZONTAL DISTANCE OF AT LEAST TEN (10) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS AND RECLAIMED WATER PIPELINES.

- I. UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM—TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX (6) INCHES, AND PREFERABLY TWELVE (12) INCHES, ABOVE OR AT LEAST TWELVE (12) INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- II. UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST TWELVE (12) INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- III. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM—TYPE SANITARY SEWERS STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX (6) FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE—TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

HORIZONTAL SEPARATION BETWEEN PARALLEL LINES:

OBJECTS FROM ENTERING THE MANHOLE.

SANITARY SEWERS, STORM SEWERS AND STRUCTURES, RECLAIMED WATER MAINS, OR FORCE MAINS SHALL BE INSTALLED AT LEAST 6 FEET FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. IN CASES WHERE IT IS NOT PRACTICAL TO MAINTAIN A 6 FT. SEPARATION. THE FOLLOWING METHODS OF PROTECTION SHALL BE UTILIZED

- I. THE PROPOSED PIPE SHALL BE CONSTRUCTED OF PRESSURE RATED PVC PIPE ,(MEETING THE AWWA C-900 OR C-905 SPECIFICATION) AND SHALL BE PRESSURE TESTED AT 150 PSI TO ASSURE TIGHTNESS PRIOR TO BACK FILLING. II. EITHER THE WATER MAIN OR THE OTHER PIPE SHALL BE ENCASED IN A WATERTIGHT CARRIER PIPE. THE CARRIER PIPE
- III. USE WELDED, FUSED, OR OTHERWISE RESTRAINED JOINTS FOR EITHER THE WATER MAIN OR OTHER PIPELINE.
- IV. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E. HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE)

C. SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MAINS: NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY SEWER MANHOLE

SHALL BE OF MATERIALS APPROVED BY THE F.D.E.P. FOR USE IN WATER MAIN CONSTRUCTION.

- A. WATER MAIN SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH. OR COME INTO CONTACT WITH, ANY PART OI A STORM SEWER MANHOLE OR INLET STRUCTURE, WHERE IT IS NOT TECHNICALLY FEASIBLE OR ECONOMICALLY SENSIBLE TO COMPLY WITH THIS REQUIREMENT THE WATER MAIN SHALL BE CONSTRUCTED WITH A CONFLICT MANHOLE AS FOLLOWS:
- EACH WATER MAIN PASSING THROUGH A CONFLICT MANHOLE SHALL HAVE A FLEXIBLE, WATERTIGHT JOINT ON EACH SIDE OF THE MANHOLE TO ACCOMMODATE DIFFERENTIAL SETTLING BETWEEN THE MAIN AND THE MANHOLE.
- II. WITHIN EACH CONFLICT MANHOLE, THE WATER MAIN PASSING THROUGH THE MANHOLE SHALL BE INSTALLED IN A WATERTIGHT CASING PIPE HAVING HIGH IMPACT STRENGTH (I.E., HAVING IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE).
- III. EACH CONFLICT MANHOLE SHALL HAVE AN ACCESS OPENING, AND SHALL BE SIZED, TO ALLOW FOR EASY CLEANING OF iv. Gratings shall be installed at all storm sewer inlets upstream of each conflict manhole to prevent large
- NOTE: WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATIONS AS STIPULATED ABOVE. THE F.D.E.P. MAY ALLOW DEVIATION ON A CASE-BY-CASE BASIS IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER. APPROVAL FOR THE DEVIATION MUST BE OBTAINED FROM THE PROJECT ENGINEER AND THE F.D.E.P. PRIOR TO CONSTRUCTION.

REUSE SYSTEM NOTES

- 1. ALL REUSE MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER BASED ON FINAL GRADING.
- 2. ALL DUCTILE IRON PIPE SHALL BE CLASS 50 IN ACCORDANCE WITH ANSI/AWWA C150/A21.50 AND PIPE SHALL RECEIVE EXTERIOR BITUMINOUS COATING AND SHALL BE CEMENT MORTAR LINED, STANDARD THICKNESS, IN ACCORDANCE WITH ANSI/AWWA
- 3. ALL FITTINGS LARGER THAN 3" SHALL BE DUCTILE IRON IN ACCORDANCE WITH AWWA C-110 WITH A PRESSURE RATING OF 350 P.S.I. JOINTS SHALL BE MECHANICAL JOINTS IN ACCORDANCE WITH AWWA C-111. FITTINGS SHALL BE CEMENT MORTAR LINED AND
- 4. ALL PVC REUSE MAINS 4" THROUGH 12" SHALL BE AWWA C-900 (CLASS 150), DR 18 PVC, AND 14" THROUGH 24" AWWA C-905 (CLASS 165), DR-25 PVC; WITH AWWA APPROVED DUCTILE IRON MECHANICAL JOINT FITTINGS. THE PIPE SHALL BE CLASS 150 AND SOLID PURPLE WITH WHITE OR BLACK LETTERING.
- 5. ALL PVC PIPE AND FITTINGS 3" OR SMALLER SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELDED SLEEVE TYPE JOINTS.
- 6. ALL GATE VALVES 3" OR LARGER SHALL BE RESILIENT SEAT OR RESILIENT WEDGE MEETING THE REQUIREMENTS OF AWWA C-509. MATERIALS AND CONSTRUCTION METHODS FOR REUSE DISTRIBUTION SYSTEM SHALL BE IN ACCORDANCE WITH THE LOCAL regulatory agency codes, plans and specifications for construction, latest revision thereof, and supplemental SPECIFICATIONS THERETO. APPROVAL AND CONSTRUCTION OF ALL REUSE SERVICE MAIN EXTENSIONS AND CONNECTIONS MUST BE COORDINATED THROUGH THE LOCAL REGULATORY AGENCY.

WATER SYSTEM NOTES

- 1. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER BASED ON FINAL GRADING.
- 2. ALL WATER SYSTEM WORK SHALL CONFORM WITH LOCAL REGULATORY STANDARDS AND SPECIFICATIONS.
- 3. ALL DUCTILE IRON PIPE SHALL BE CLASS 50 IN ACCORDANCE WITH ANSI/AWWA C150/A21.50 AND PIPE SHALL RECEIVE EXTERIOR BITUMINOUS COATING AND SHALL BE CEMENT MORTAR LINED, STANDARD THICKNESS, IN ACCORDANCE WITH ANSI/AWWA C104/A21.4.
- 4. ALL FITTINGS LARGER THAN 3" SHALL BE DUCTILE IRON IN ACCORDANCE WITH A.W.W.A. C-110 WITH A PRESSURE RATING OF 350 P.S.I. JOINTS SHALL BE MECHANICAL JOINTS IN ACCORDANCE WITH AWWA C-111. FITTINGS SHALL BE CEMENT MORTAR LINED AND COATED IN ACCORDANCE WITH AWWA C-104
- 5. ALL PVC POTABLE WATER MAINS 4" THROUGH 12" SHALL BE AWWA C-900 (CLASS 150), DR 18 PVC, AND 14" HROUGH 24" AWWA C-905 (CLASS 165), DR-25 PVC; WITH AWWA APPROVED DUCTILE IRON MECHANICAL JOINT FITTINGS. THE PIPE SHALL BE SOLID BLUE WITH WHITE OR BLACK LETTERING.
- 6. ALL PVC FIRE MAINS 4" THROUGH 12" SHALL BE AWWA C-900 (CLASS 200), DR 14 PVC WITH AWWA APPROVED DUCTILE IRON MECHANICAL JOINT FITTINGS. THE PIPE SHALL BE SOLID BLUE WITH WHITE OR BLACK LETTERING.
- 7. ALL PVC PIPE AND FITTINGS 3" AND SMALLER SHALL BE SCHEDULE 40 P.V.C. .WITH SOLVENT WELDED SLEEVE TYPE
- 8. ALL GATE VALVES 3" OR LARGER SHALL BE RESILIENT SEAT OR RESILIENT WEDGE MEETING THE REQUIREMENTS OF 9. ALL FIRE HYDRANTS SHALL MEET THE REQUIREMENTS OF AWWA C502 AND SHALL BE APPROVED BY THE LOCAL
- 10. THE CONTRACTOR IS TO INSTALL TEMPORARY BLOW-OFFS AT THE END OF WATER SERVICE LATERALS TO ASSURE ADEQUATE FLUSHING AND DISINFECTION.
- 11. MATERIALS AND CONSTRUCTION METHODS FOR WATER DISTRIBUTION SYSTEM SHALL BE IN ACCORDANCE WITH TH LOCAL REGULATORY AGENCY CODES, PLANS, AND SPECIFICATIONS FOR CONSTRUCTION, LATEST REVISION THEREOF AND SUPPLEMENTAL SPECIFICATIONS THERETO. APPROVAL AND CONSTRUCTION OF ALL POTABLE WATER SERVICE MAIN EXTENSIONS AND CONNECTIONS MUST BE COORDINATED THROUGH THE LOCAL REGULATORY AGENCY.

WATER SYSTEM TESTING AND INSPECTION REQUIREMENTS

- 1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER. PRESSURE TESTS TO BE IN ACCORDANCE WITH WATER DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTIFY OWNER'S ENGINEER AND WATER DEPARTMENT INSPECTORS 48 HOURS IN ADVANCE OF PERFORMING TESTS.
- 2. CONTRACTOR TO PERFORM CHLORINATION. BACTERIOLOGICAL SAMPLING SHALL BE BY THE LOCAL PUBLIC HEALTH UNIT AND/OR LOCAL UTILITY. CONTRACTOR SHALL OBTAIN CLEARANCE OF DOMESTIC WATER
- SYSTEM. COPIES OF ALL BACTERIOLOGICAL TESTS TO BE SUBMITTED TO OWNER'S ENGINEER. 3. A HYDROSTATIC TEST CONSISTING OF PRESSURE TEST AND LEAKAGE TEST SHALL BE CONDUCTED ON ALL NEWLY-INSTALLED WATER DISTRIBUTION SYSTEM PRESSURE PIPES AND APPURTENANCES. THESE

FESTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF A.W.W.A. C600 FOR DUCTILE IRON PIPES

- 4. ALL SAMPLING IS TO BE PERFORMED BY THE CONTRACTOR AND SUBMITTED TO A DHS CERTIFIED LAB FOR TESTING.
- 5. ALL NEWLY-INSTALLED WATER DISTRIBUTION SYSTEMS SHALL BE DISINFECTED IN ACCORDANCE WITH

AWWA C651 - DISINFECTING WATER MAINS.

SANITARY SEWER NOTES

- 1. ALL SANITARY SEWER MAINS & LATERAL SHALL HAVE A MINIMUM OF 36" OF COVER BASED ON FINAL
- 2. PRIOR TO COMMENCING WORK WHICH REQUIRES CONNECTING NEW WORK TO EXISTING LINES OR APPURTENANCES, THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING CONNECTION POINT AND NOTIFY OWNER'S ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
- 3. ALL PVC GRAVITY SEWER MAINS AND SERVICE LATERALS SHALL CONFORM TO ASTM-D-3034, SDR35; FOR DEPTHS OF 0-12 FEET, SDR26 FOR DEPTHS OF 12-18 FEET AND DUCTILE IRON FOR DEPTHS BELOW 18 FEET. (SEE NOTE 7 BELOW) WITH PVC SLIP JOINT FITTING IN ACCORDANCE WITH ASTM PECIFICATIONS SECTION D2321 AND SHALL BE SOLID GREEN PIPE WITH WHITE LETTERS. PIPES INSTALLED AT DEPTHS OF LESS THAN 4' SHALL BE AWWA C-900 (CLASS 100), DR-25 PVC OR C-905 (CLASS 165), PVC DR-25.
- 4. ALL DUCTILE IRON PIPE SHALL BE CLASS 50 IN ACCORDANCE WITH ANSI/AWWA C150/A21.50 AND PIPE SHALL RECEIVE EXTERIOR BITUMINOUS COATING AND SHALL BE CEMENT MORTAR LINED, STANDARD THICKNESS, IN ACCORDANCE WITH ANSI/AWWA C104/A21.4.
- 5. ALL FITTINGS LARGER THAN 3" SHALL BE DUCTILE IRON IN ACCORDANCE WITH AWWA C-110 WITH A PRESSURE RATING OF 350 P.S.I. JOINTS SHALL BE MECHANICAL JOINTS IN ACCORDANCE WITH AWWA C-111. FITTINGS SHALL BE CEMENT MORTAR LINED AND COATED IN ACCORDANCE WITH AWWA C-104.
- 6. ALL PVC FORCE MAINS 4" THROUGH 12" SHALL BE AWWA C-900 (CLASS 100), DR-25 PVC AND 14" THROUGH 24" SHALL BE AWWA C-905 (CLASS 125), DR-25; WITH AWWA APPROVED DUCTILE IRON MECHANICAL JOINT FITTINGS. THE PIPE SHALL BE SOLID GREEN WITH WHITE OR BLACK LETTERING.
- 7. ALL PVC PIPE AND FITTINGS 3" AND SMALLER SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELDED
- 8. ALL GATE VALVES 3" OR LARGER SHALL BE RESILIENT SEAT OR RESILIENT WEDGE MEETING THE REQUIREMENTS OF AWWA C509
- 9. ALL SANITARY SEWER COVERS SHALL BE TRAFFIC RATED FOR H-20 LOADING. 10. PIPE LENGTHS SHOWN ARE APPROXIMATE AND SHOWN TO THE EDGE OF THE MANHOLES.

ALL SANITARY SEWER SERVICE MAIN EXTENSIONS AND CONNECTIONS MUST BE COORDINATED THROUGH THE LOCAL REGULATORY AGENCY.

WITH THE LOCAL REGULATORY AGENCY CODES, PLANS, AND SPECIFICATIONS FOR CONSTRUCTION, LATEST REVISION THEREOF, AND SUPPLEMENTAL SPECIFICATIONS THERETO. APPROVAL AND CONSTRUCTION OF

11. MATERIALS AND CONSTRUCTION METHODS FOR SEWER DISTRIBUTION SYSTEM SHALL BE IN ACCORDANCE

- SANITARY SEWER TESTING & INSPECTION REQUIREMENTS
- I. ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER. CONTRACTOR SHALL PERFORM AN INFILTRATION/EXFILTRATION TEST ON ALL GRAVITY SEWERS I ACCORDANCE WITH THE REGULATION AGENCY HAVING JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. COORDINATION
- AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY. 3. ALL FORCE MAINS SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE TEST IN ACCORDANCE WITH THE REGULATORY AGENCY HAVING JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. COORDINATION AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.

REUSE SYSTEM TESTING AND INSPECTION REQUIREMENTS

- 1. A HYDROSTATIC TEST CONSISTING OF A PRESSURE TEST AND A LEAKAGE TEST SHALL BE CONDUCTED ON ALL NEWLY-INSTALLED REUSE DISTRIBUTION SYSTEM PRESSURE PIPES AND APPURTENANCES. THESE TESTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF A.W.W.A. C600 FOR DUCTILE IRON PIPES, C605 FOR PVC PIPES AND SHALL BE PERFORMED IN ACCORDANCE WITH THE GOVERNING WATER DEPARTMENT SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL NOTIFY AND SCHEDULE THE ATTENDANCE OF THE OWNER'S ENGINEER AND THE GOVERNING WATER DEPARTMENT'S INSPECTORS DURING THE PRESSURE TESTS.
- 3. ALL COMPONENTS OF THE REUSE WATER SYSTEM, INCLUDING FITTINGS, CONNECTIONS AND VALVES SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S

DIRECTIONAL DRILLING OPERATIONS

- 1. PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) HANDLED, STORED, JOINED AND INSTALLED IN ACCORDANCE WITH MANUFACTURE'S SPECIFICATIONS AND THE SPECIFICATIONS HEREIN.
- 2. PRE-EXCAVATE PIPE ENTRY AND RECEIVING AREAS TO PROVIDE A GRADUAL ENTRY OF THE PIPE WITHOUT STRESS TO THE PIPE OR JOINTS AND TO ALLOW FREE MOVEMENT INTO THE BORE HOLE AT N ACCEPTABLE DEPTH. CAREFULLY GUIDE PIPE IN SUCH MANNER AS TO AVOID DEFORMATION OF OR
- 3. IF UNEXPECTED SUBSURFACE CONDITIONS ARE ENCOUNTERED DURING THE BORE, THE PROCEDURE SHALL BE STOPPED. THE INSTALLATION SHALL NOT CONTINUE UNTIL APPROVAL HAS BEEN GIVEN BY THE
- 4. EVERY EFFORT SHALL BE MADE TO MAINTAIN PIPE INSTALLATION TO A DEPTH DEEP ENOUGH TO AVOID CONFLICTS AND FRACING. WHERE DEEPER OR SHALLOWER INSTALLATIONS ARE SHOWN ON THE PLANS, OR REQUIRED BY THE COUNTY OR NECESSITATED BY EXISTING CONDITIONS. THE CONTRACTOR SHALL MAKE SUCH ADJUSTMENTS WITHOUT ADDITIONAL COST TO THE COUNTY.
- 5. THE PIPE SHALL BE INSTALLED IN A MANNER THAT DOES NOT CAUSE UPHEAVAL, SETTLEMENT, CRACKING, MOVEMENT OR DISTORTION OF SURFACE FACILITIES.
- 6. THE SYSTEM MUST BE REMOTELY STEERABLE AND PERMIT ELECTRONIC MONITORING OF TUNNEL DEPTH AND LOCATION. THE SYSTEM MUST BE ABLE TO CONTROL THE DEPTH AND DIRECTION OF THE PIPE AND MUST BE ACCURATE TO A WINDOW OF +/- 2 INCHES.
- 7. EQUIPMENT SHALL BE FITTED WITH A PERMANENT ALARM SYSTEM CAPABLE OF DETECTING AN ELECTRIC CURRENT, THE SYSTEM SHALL HAVE AN AUDIBLE ALARM TO WARN THE OPERATOR IF THE DRILL HEAD
- 8. ALL NON-METALLIC PIPE SHALL BE INSTALLED WITH 2 INSULATED 10 GAUGE COPPER LOCATING WIRES ATTACHED AT 10:00 AND 2:00 O'CLOCK. WIRES SHALL BE ATTACHED USING MINIMUM 2" WIDE DUCT
- 9. IN THE CASE OF A PULL BACK WHERE THE BORE WILL BE ABANDONED, THE CONTRACTOR SHALL INJECT AN APPROVED GROUT INTO THE ANGULAR SPACE. THIS ACTION WILL BE IN CONJUNCTION WITH THE REMOVAL OF THE BORE TOOL TO INSURE AGAINST COLLAPSE OF THE COVER MATERIAL. 10. CONTRACTOR SHALL PERFORM ALL DIRECTIONAL DRILL WORK AT LEAST 25 FEET FROM WETLAND LIMITS.
- 11. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO AVOID WETLAND IMPACTS. MEASURES SHALL INCLUDE, BUT NOT LIMITED TO; SEDIMENT BARRIERS, HAY BALES AND SOD.
- 12. A VAC TRUCK SHALL BE ONSITE DURING ALL DRILLING OPERATIONS TO REMOVE ANY DRILLING MUD THAT 13. SHOULD ANY FRAC OUTS OCCUR WITHIN THE LIMITS OF THE WETLANDS, RIVER AND OR SURFACE WATERS, ALL OPERATIONS SHALL CEASE AND THE DRILLING MUD SHALL BE CONTAINED AND REMOVED FROM THE WETLAND, RIVER AND OR SURFACE WATER.

MINIMUM REQUIRED UTILITY AS-BUILTS

- 1. ALL DIMENSIONS SHALL BE IN FEET, MEASURED OFF THE CENTERLINE OF ROADS OR OTHER PERMANENT STRUCTURES. IN ONLY ONE DIMENSION CAN BE TAKEN OFF THE CENTERLINE OF ROAD,
- THE SECOND SHALL BE OFF A PERMANENT MARKER OR REFERENCE POINT. 2. AS-BUILTS SHALL BE SUBMITTED, SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR REGISTERED IN

- 1. WATER LINES SHALL BE MEASURED OFF CENTERLINES OF PAVEMENT. 2. FITTINGS, VALVES, TAPS AND OTHER WATER APPURTENANCES SHALL BE MEASURED USING DESCRIPTIVE NOTES INDICATING THEIR EXACT LOCATION.
- 3. INDICATE DEPTH OF COVER AT ALL LOCATIONS WHERE THE WATER MAIN HAS LESS THAN 24" OF COVER OR MORE THAN 48" OF COVER.
- 4. INDICATE ALL LOCATIONS WHERE MINIMUM 18" VERTICAL AND 10' HORIZONTAL CLEARANCE OF WATER AND SEWER LINE WAS NOT MAINTAINED. DETAIL THE INSTALLATION METHOD.
- 5. INCLUDE THE SIZE, SDR, CLASS AND TYPE OF MATERIALS IF DIFFERENT FROM PLANS. 6. MEASURE WATER MAIN STUBS FROM GATE VALVE TO TERMINAL POINT AND FROM CENTERLINE OF ROAD
- 1. WATER LINES SHALL BE MEASURED OFF CENTERLINES OF PAVEMENT.
- 2. FITTINGS, VALVES, HYDRANTS, TAPS AND OTHER WATER APPURTENANCES SHALL BE MEASURED USING DESCRIPTIVE NOTES INDICATING THEIR EXACT LOCATION.
- 3. INDICATE DEPTH OF COVER AT ALL LOCATIONS WHERE THE WATER MAIN HAS LESS THAN 24" OF COVER OR MORE THAN 48" OF COVER.
- 4. INDICATE ALL LOCATIONS WHERE MINIMUM 18" VERTICAL AND 10' HORIZONTAL CLEARANCE OF WATER AND SEWER LINE WAS NOT MAINTAINED. DETAIL THE INSTALLATION METHOD.
- 5. INDICATE LOCATIONS AND TYPES OF ALL BACTERIOLOGICAL SAMPLING POINTS. 6. INCLUDE THE SIZE, SDR, CLASS AND TYPE OF MATERIALS IF DIFFERENT FROM PLANS.
- 7. MEASURE WATER MAIN STUBS FROM GATE VALVE TO TERMINAL POINT AND FROM CENTERLINE OF ROAD.
- 1. SEWER LINES SHALL BE MEASURED OFF CENTERLINES OF PAVEMENT. 2. FITTINGS, VALVES, MANHOLES, SERVICES AND OTHER SEWER APPURTENANCES SHALL BE MEASURED USING DESCRIPTIVE NOTES INDICATING THEIR EXACT LOCATION.
- 3. INDICATE THE ACTUAL LENGTH OF GRAVITY SEWER AND/OR FORCE MAIN INSTALLED.
- 4. INDICATE ACTUAL INVERT ELEVATION AND REVISE SLOPES BETWEEN MANHOLES IF DIFFERENT FROM THE 5. INDICATE DEPTH OF COVER AT ALL LOCATIONS WHERE THE SEWER FORCE MAIN HAS LESS THAN 36"
- OF COVER OR MORE THAN 48" OF COVER.
 - 1. SHOW BOTTOM, INFLUENT INVERT AND TOP ELEVATIONS OF WETWELL.
 - 2. ACTUAL ELEVATIONS OF BOTTOM OF CONTROL PANEL.
- 3. ELEVATIONS OF LIQUID LEVEL SENSORS FOR PUMP OFF, FIRST AND SECOND PUMPS ON (THIRD IF PROVIDED), AND ALARM ON. 4. SHOW ALL WETWELL AND VALVE VAULT PIPING AND VALVE CHANGES. WEATHERPROOF SCHEMATIC WIRING DIAGRAM SHALL BE PERMANENTLY AFFIXED TO THE INTERIOR OF THE CONTROL PANEL ENCLOSURE

- PROTECTIVE TREE BARRIER NOTES
- PROTECTIVE BARRIERS SHALL BE USED DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES TO PROTECT TREES AND NATURAL AREA TO BE RETAINED ON SITE. PROTECTIVE BARRIERS SHALL BE ERECTED AROUND TREES TO BE RETAINED WITHIN AN AREA WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES WILL OCCUR AS WELL AS ALONG NATURAL AREAS WHERE SUCH AREAS ARE ADJACENT TO PERMITTED LAND ALTERATION OR CONSTRUCTION ACTIVITIES. A PROTECTIVE BARRIER MUST REMAIN IN PLACE UNTIL THE LAND ALTERATION AND CONSTRUCTION
- ACTIVITIES ARE COMPLETED OR UNTIL COMMENCEMENT OF GRADE FINISHING AND SODDING. NO GROUND DISTURBANCE MUST OCCUR WITHIN THE BARRICADED AREA. A. TREES - TO RESTRICT ACCESS INTO THE AREA WITHIN THE DRIPLINE OF A TREE, A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT, COMPRISED OF WOOD OR OTHER SUITABLE

MATERIAL, SHALL BE PLACED AROUND THE TREE AT THE DRIPLINE, EXCEPT WHERE LAND

- ALTERATION OR CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE DRIPLINE. B. DRIPLINE - THE DRIPLINE OF A TREE IS THE IMAGINARY, VERTICAL LINE THAT EXTENDS
- DOWNWARD FROM THE OUTERMOST TIPS OF THE TREE'S BRANCHES TO THE GROUND.
- A. FOUR (4) CORNERS UPRIGHT STAKES OF NO LESS THAN 2" X 2" LUMBER CONNECTED BY H ORIZONTAL MEMBERS OF NO LESS THAN 1" X 4" LUMBER; OR UPRIGHT STAKES SPACED AT 4-5' INTERVALS OF NO LESS THAN 2" X 2" LUMBER CONNECTED BY TWINE FLAGGED WITH PLASTIC SURVEYING TAPE AT REGULAR INTERVALS.

DRAWN BY CHK'D BY REV. BY REV. NO. DATE REVISION 04-21-2016 HPB PASCO COUNTY SITE COMMENTS

REUSE OF DOCUMENT THIS DOCUMENT. COMPRISED OF THE INCORPORATED IDEAS AND DESIGNS, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF COASTAL DESIGN CONSULTANTS. AND IS NOT TO BE USED, IN WHOLE OR IN PART FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN AUTHORIZATION OF COASTAL DESIGN CONSULTANTS.



CA # 00009572

PAUL A. MANUEL. P.E P.E. NO. 51424

PASCO COUNTY FACILITIES MANAGEMENT DEPARTMENT TASK # FM 12-003

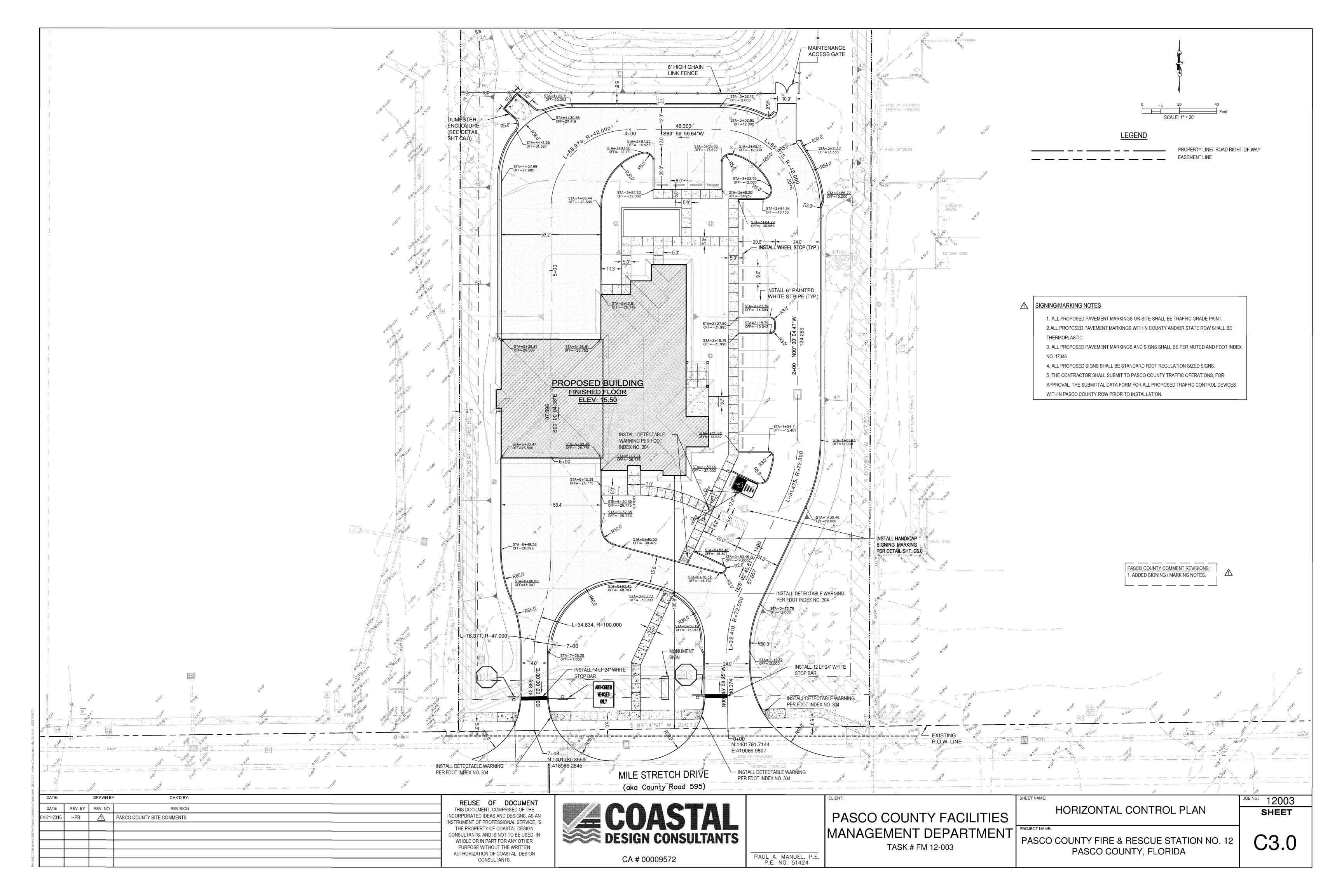
GENERAL NOTES

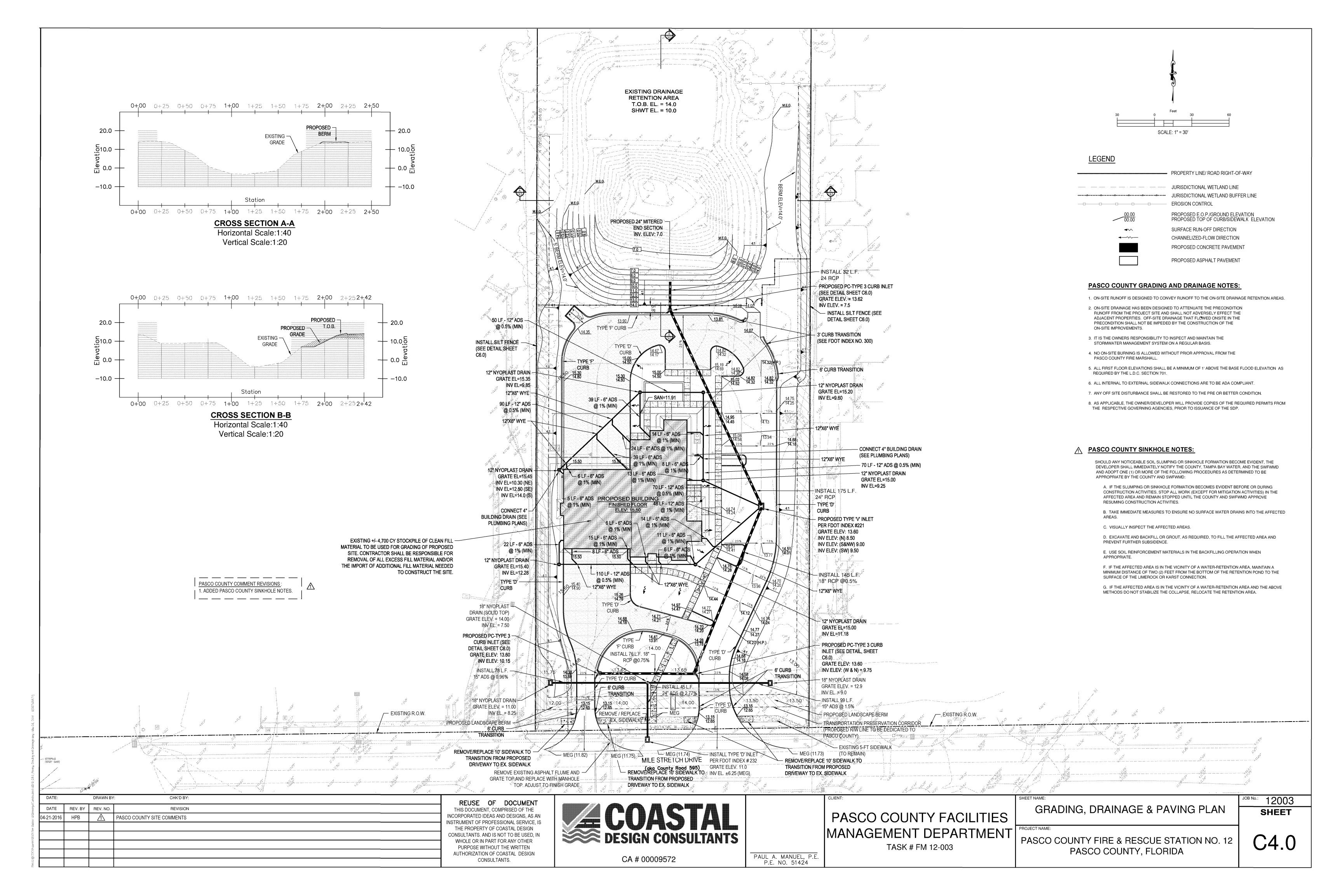
12003

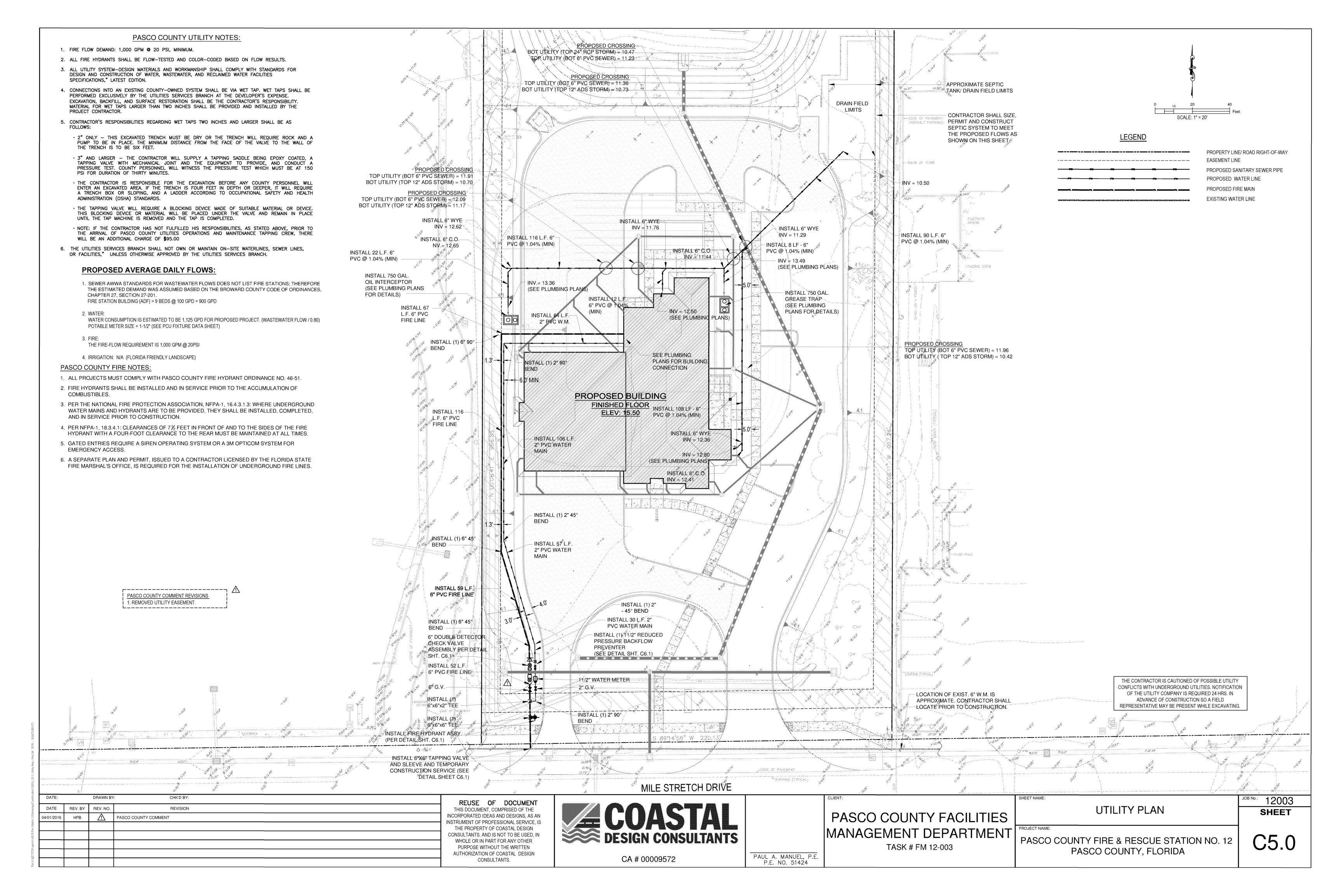
PASCO COUNTY FIRE & RESCUE STATION NO. 12 PASCO COUNTY, FLORIDA

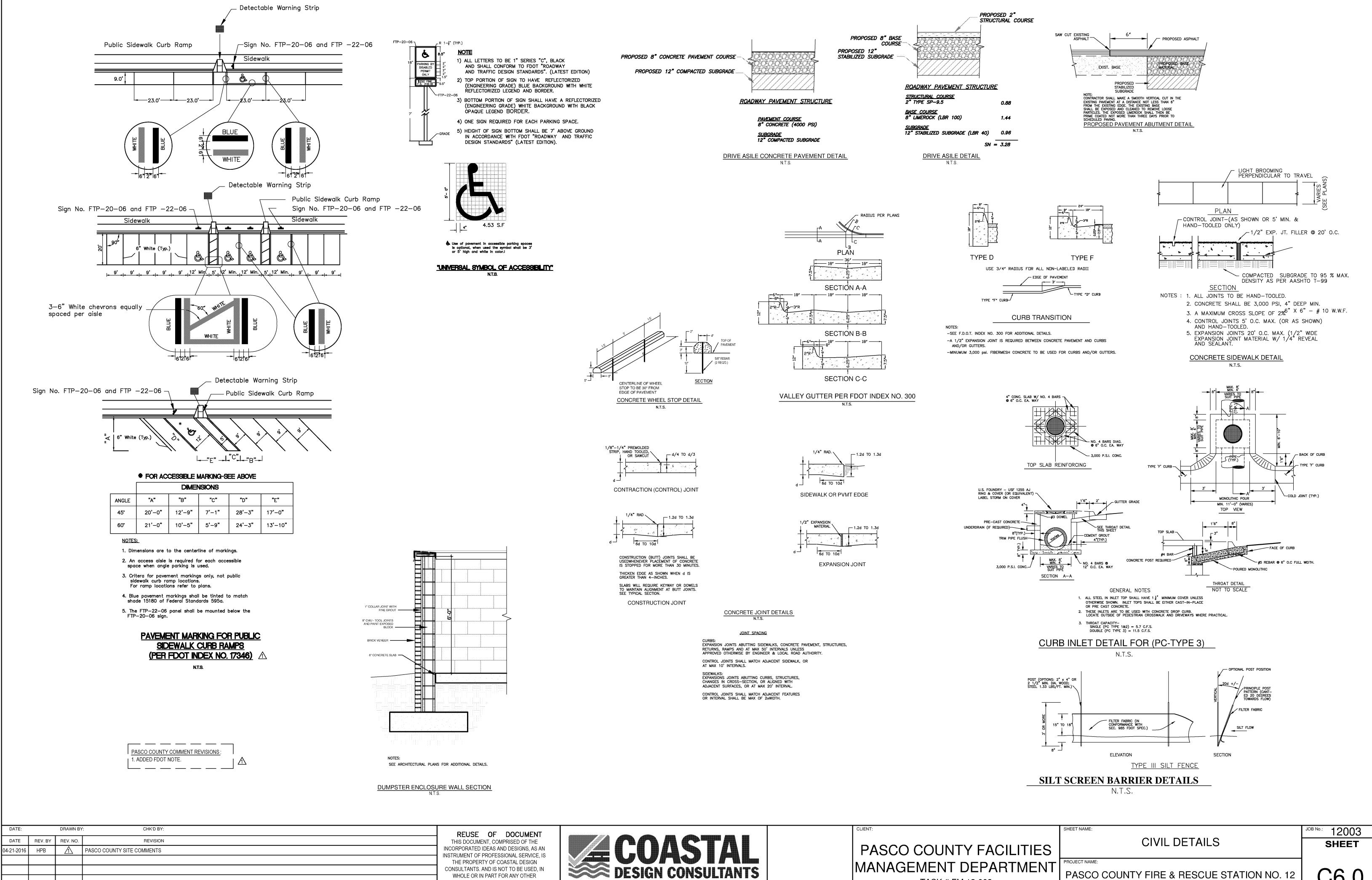
SHEET

SITE DATA					
PROPERTY LOCATION: 4713 MILE STRETCH DRIVE HOLIDAY, FLORIDA 34690	TREE INCHES TO BE REMOVED-10" DBA & LARGER	SITE DATA NOTES:	PASCO COUNTY SITE PLAN NOTES:		
PARENT TRACT IDENTIFICATION NUMBER(S): 30-26-16-0010-04800-0010	Live Oaks OTHER TREES	1. THERE ARE NO VARIANCES BEING APPLIED FOR.	ALL UTILITY CONSTRUCTION SHALL COMPLY WITH PASCO COUNTY STANDARDS	13. IN CONSIDERATION OF PASCO COUNTY'S AGREEMENT TO PROVIDE POTABLE	
ZONING CLASIFICATION: C-1	Size No. Iotal Type Size No. Inches (Inches) No. Inches (Mitigation)	 THERE ARE NO ALTERNATIVE STANDARDS BEING APPLIED FOR. THE PROPOSED DEVELOPMENT SHALL BE PERMITTED IN TWO PHASES. 	FOR DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER FACILITIES SPECIFICATIONS, LATEST EDITION.	WATER AND/OR RECLAIMED WATER TO THE SUBJECT PROPERTY, DEVELOPER/OWNER, AND IT'S SUCCESSORS AND ASSIGNS, AGREE TO THE	0 20 40 80
FUTURE LAND USE CLASSIFICATION: ROR	10 20 200 Ceder 10 1 10 1 12 12 144 12 2 24	PHASE 1: MASS GRADING. PHASE 2: SITE DEVELOPMENT. 4. THE PROPOSED DEVELOPMENT IS LOCATED ALONG A ROADWAY	2. ALL ON-SITE WATER AND SEWER FACILITIES SHALL BE OWNED AND	FOLLOWING:	SCALE: 1" = 40'
PARENT TRACT GROSS AREA: 4.89 ACRES PARENT TRACT NET AREA(UPLAND AREA): 3.59 ACRES	14 9 126 22 1 22 16 4 64 Pine 10 3 N/A	LISTED IN THE TRANSPORTATION CORRIDOR PRESERVATION ORDINANCE. 5. THERE ARE NO WELLHEAD PROTECTION AREAS (WPA) OR SPECIAL	MAINTAINED BY THE OWNER-DEVELOPER.	A. IN THE EVENT OF PRODUCTION FAILURE OR SHORTFALL BY TAMPA BAY WATER, AS SET FORTH IN SECTION 3.19 OF THE INTERLOCAL AGREEMENT	
DEVLEOPMENT AREA (PROJECT AREA): 2.66 ACRES	18 4 72 12 2 N/A 20 2 40 14 1 14	PROTECTION AREA (SPA) WITHIN THE PROPOSED DEVELOPMENT AREA. 6. THERE ARE NO EXISTING STRUCTURES WITHIN THE PROPOSED	3. INSTALLATION OF FUEL STORAGE TANKS REQUIRES REVIEW AND APPROVAL BY THE FIRE MARSHAL AND THE ISSUANCE OF A SEPARATE BUILDING	CREATING TAMPA BAY WATER, DEVELOPER/OWNER'S SHALL TRANSFER TO PASCO COUNTY AND ANY ALL WATER USE PERMITS OR WATER USE RIGHTS	<u>LEGEND</u>
EXISTING PROPERTY USE: VACANT	22 Sweet Gum 10 1 10 24 1 12 1 12	DEVELOPMENT SITE. 7. ELEVATIONS SHOWN ARE IN FEET AND REFER TO THE NATIONAL GEODETIC	PERMIT. APPROVAL OF THE SITE PLAN DOES NOT CONSTITUTE APPROVAL OF THE LOCATION OF THE FUEL TANKS. 3, 4. ALL PROPOSED SIGNS MUST BE APPLIED FOR, APPROVED, AND PERMITTED	THE DEVELOPER/OWNER MAY HAVE TO USE OR CONSUME SURFACE OR GROUND WATER WITHIN PASCO COUNTY.	PROPERTY LINE / ROAD RIGHT-OF-W
PROPOSED PROPERTY USE: FIRE STATION	26 14 1 14 28 Cherry Laurel 12 1 12	VERTICAL DATUM OF 1988 (NAVD88). REFERENCE BENCHMARK USED—"X 108 LOCATED AT THE NORTHWEST CORNER OF MILE STRETCH DRIVE AND	ON AN INDIVIDUAL BASIS APART FROM ANY ULTIMATELY APPROVED SITE PLAN. APPROVAL OF THIS SITE PLAN DOES NOT CONSTITUTE APPROVAL	B. PRIOR TO DEVELOPER/OWNER SELLING WATER OR WATER USE PERMITS OR	JURISDICTIONAL WETLAND LINE JURISDICTIONAL WETLAND BUFFER
NUMBER OF PROPOSED PHASES: 3 PHASE 1: MASS GRADING PHASE 2: STOCK PILE	30 16 1 16 36 Palm 10 1 N/A	PATRICIA BOULEVARD. ELEVATION = 12.14'. 8. THERE ARE NO HISTORICAL RESOURCES LOCATED WITHIN THE PROPOSED DEVELOPMENT SITE.	OF ANY SIGNAGE.	WATER USE RIGHTS, DEVELOP/OWNER SHALL NOTIFY PASCO COUNTY, AND PASCO COUNTY SHALL HAVE A RIGHT OF FIRST REFUSAL TO PURCHASE	TREE TO BE REMOVED
PHASE 3: SITE DEVELOPMENT DEVELOPMENT OF REGIONAL IMPACT HISTORY: N/A	54 12 1 12 14 1 N/A	9. THERE IS ONE CATEGORY III WETLAND AREAS LOCATED WITHIN THE PROPOSED DEVELOPMENT PROPERTY.	 HANDICAP PARKING SPACES WILL BE PROPERLY SIGNED AND STRIPED IN ACCORDANCE WITH FLORIDA STATUE 316, THE MANUAL ON UNIFORM TRAFFIC 	SUCH WATER OR WATER USE PERMITS OR WATER USE RIGHTS. 14. FUGITIVE DUST CONTROLS SHALL BE EMPLOYED AS NEEDED TO CONTROL	EXISTING SPOT ELEVATION
ZONING/CONDITIONAL USE/SPECIAL EXCEPTIONS HISTORY:	Camphor 10 2 N/A 12 1 N/A	10. THERE ARE EXISTING TREES TO BE REMOVED WITHIN THE PROPOSED DEVELOPMENT SITE.	CONTROL DEVICES, OR OTHER APPLICABLE STANDARDS.	WINDBORNE EMISSIONS. ALL PORTIONS OF A LOT UPON WHICH DEVELOPMENT HAS COMMENCED, BUT NOT CONTINUED FOR A PERIOD OF 30	OAK TREE (SIZE INDICATED)
PETITION: ACTION: DATE: REQUEST: RZ3135 APP. W/CONDS. 10/22/85 MF1 TO C1	Magnolia 12 Holley 10 1 10	11. THERE IS NO NEIGHBORHOOD PARK PROPOSED OR REQUIRED WITHIN THE PROPOSED DEVELOPMENT SITE	 THE ARCHITECT/ENGINEER CERTIFIES THAT THE SITE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT. 7. ALL ON—SITE PARKING SPACES WILL BE STRIPED AND SIGNED IN 	DAYS, SHALL BE PLANTED WITH GRASS SPECIES OR GROUND COVER TO PREVENT EROSION AND ENCOURAGE SOIL STABILIZATION. ADEQUATE	MAGNOLIA TREE (SIZE INDICATED)
SE1660 APPROVE 07/29/81 ACLF IN MF1 RZ1251 APPROVE 05/27/80 R4 TO C1,MF1	Total Oak: 670 Total Other: 156	12. THERE ARE NO PROPOSED EASEMENTS WITHIN THE DEVELOPMENT SITE. 13. THE PROPOSED DEVELOPMENT IS NOT A LARGE SCALE COMMERCIAL SITE.	ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC DEVICES, LATEST EDITION. PARKING SPACES, DIRECTIONAL ARROWS, AND STOP BARS SHALL	COVERAGE, SO AS TO SUPPRESS FUGITIVE DUST, SHALL BE ACHIEVED WITHIN 45 DAYS.	♥ PINE TREE (SIZE INDICATED)□ HOLLY TREE (SIZE INDICATED)
RZ1513 APPROVE 02/24/81 MF1, C1 TO C1,MF1 MINIMUM LOT REQUIREMENTS: MAXIMUM LOT REQUIREMENTS:	TREE NOTES: THERE IS (1) 12" PALM AND (1) 14" PINE THAT WAS TO BE REMOVED	14. THE PROPOSED DEVELOPMENT IS NOT LOCATED IN THE U.S. 19	BE STRIPED IN WHITE. IT SHALL BE THE OWNER/DEVELPOER'S RESPONSIBILITY TO PROPERLY SIGN AND STRIPE IN ACCORDANCE WITH	15. ANY SIGNIFICANT ALTERATIONS TO THE APPROVED PLANS WILL REQUIRE A	© CEDER TREE (SIZE INDICATED)
REAR SETBACK: (RESIDENTIAL) 30 FEET BUILDING HEIGHT 35 FEET REAR SETBACK: (COMMERCIAL) 0 FEET LOT COVERAGE <50% SIDE SETBACK: (RESIDENTIAL) 30 FEET	WITHIN 10' OF THE PROPERTY LINE THUS REQUIRING MITIGATION. THE REMAINDER OF THE PALM & PINE TREES AND THE CAMPHOR TREES THAT	SONOSINENST ZONE.	APPLICABLE STANDARDS.	RE—SUBMITTAL AND APPROVAL BY THE RESPECTIVE GOVERNING AGENCY(S). ANY WORK DONE PRIOR TO THE RESPECTIVE APPROVAL(S) IS AT THE RISK OF THE OWNER, DEVELOPER AND CONTRACTOR. SIGNIFICANT — WILL BE	SWEET GUM TREE (SIZE INDICATED
SIDE SETBACK: (RESIDENTIAL) 30 FEET SIDE SETBACK: (COMMERCIAL) 0 FEET FRONT SETBACK: 25 FEET	WERE REMOVED DO NOT REQUIRE MITIGATION AND ARE INDICATED AS "N/A". AS A REQUIREMENT OF THE PREVIOUSLY APPROVED PASCO COUNTY FIRE	F	 THE OWNER/DEVELOPER ACKNOWLEDGES THAT THIS APPROVAL DOES NOT INCLUDE ANY WORK IN THE COUNTY RIGHT—OF—WAY. ALL RIGHT—OF—WAY 	DETERMINED SOLELY BY THE COUNTY.	CAMPHOR TREE (SIZE INDICATED) MAPLE TREE (SIZE INDICATED)
LOT WIDTH: 80 FEET LOT AREA: 10,000 SF	STATION NO. 12 MASS GRADING PERMIT (PROJECT NO. SML 13-042), ALL TREE MITIGATION ASSOCIATED W/ THE MASS GRADING PERMIT SHALL BE		WORK SHALL BE A FUNCTION OF AN APPROVED PASCO RIGHT—OF—WAY USE PERMIT.	16. ANY LIGHTING USED TO ILLUMINATE ANY ON OR OFF STREET PARKING AREA SHALL BE ARRANGED AS TO REFLECT THE LIGHT AWAY FROM ADJOINING	MAPLE TREE (SIZE INDICATED) AS CHERRY LAUREL TREE (SIZE
PARKING REQUIRED: TOTAL REQUIRED SPACES = (9 BEDS /SHIFT *2 SHIFTS/DAY) +4 VISITORS = 22 SPACES	ADDRESSED DURING PRELIMINARY / CONSTRUCTION PLAN APPROVAL.		9. ALL CLEAR—SITE AREAS SHALL BE KEPT FREE OF ANY SIGNAGE PLANTINGS,	RESIDENTIAL PREMISES AND PUBLIC RIGHT-OF-WAY. THERE WILL BE NO LIGHT SPILLAGE OR GLARE BEYOND THE PROJECT SITE.	INDICATED) PALM TREE (SIZE INDICATED)
PARKING PROPOSED:	THE ABOVE TREE REMOVAL TABLE REPRESENTS THE TREES THAT WERE PERMITTED / REMOVED DURING THE PREVIOUS PHASE (MASS GRADING). THERE ARE NO ADDITIONAL TREES TO BE REMOVED ASSOCIATED W/ THE		TREES, ETC. IN EXCESS OF THREE—AND—A—HALF (3—1/2) FEET IN HEIGHT. 10. NO IRRIGATION SYSTEM OR LANDSCAPING SHALL BE INSTALLED IN ANY	17. IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF THE PRESENCE OF	TREES TO BE SAVED (TREE PROTECTION AREA)
PROPOSED = 22 SPACES INCLUDING 2 HANDICAP NEIGHBOURHOOD PARK AREAS: N/A EXISTING VEGETATION: BAHIA GRASS & TREES	PHASE OF THE PROJECT.	PASCO COUNTY COMMENT REVISIONS: 1. ADDED PROPOSED RW NOTE.	COUNTY OR STATE RIGHT-OF-WAY WITHOUT ISSUANCE OF APPROPRIATE RIGHT-OF-WAY USE PERMIT.	STATE AND FEDERALLY PROTECTED PLANT AND/OR ANIMAL SPECIES IS DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND PASCO	× TREES TO BE REMÓVED
FLOOD ZONE: ZONE X, FLOOD INSURANCE RATE MAP #12101C0353F SEPT. 26, 2014		2. REVISED PROJECT ACREAGES. 3. REVISED FEMA INFO. 3. REVISED FEMA INFO.	11. THE OWNER/DEVELOPER ACKNOWLEDGES THAT THE SITE AND ITS	COUNTY SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE PLANT AND/OR ANIMAL SPECIES FOUND ON THE SITE.	PROPOSED CONCRETE PAVEMENT
EXISTING WETLAND AREA AND DRAINAGE FACILITIES: NAME CLASS SIZE		ADDED CLEARING & GRUBBING NOTE. 1 4. ADDED EX. SIDEWALK NOTE.	CURRECUENT RUILDING REPAITS CHALL COMPLY WITH ALL REZONING!	18. PRIOR TO THE START OF CLEARING AND GRUBBING, OR ANY SOIL	PROPOSED ASPHALT PAVEMENT
WETLAND 'B' III 1.30 ACRES			12. ALL STRUCTURES, INCLUDING BUFFER WALLS, RETAINING WALLS, SIGNAGE,	DISTURBANCE CONTACT PC STORMWATER MANAGEMENT AT (727) 834-3611 FOR A SOIL EROSION AND SEDIMENT CONTROL, PRE-INSPECTION MEETING.	
FIRE DISTRICT: PASCO COUNTY M.S.T.U. FIRE PREVENTION: FIRE HYDRANTS			ETC. REQUIRE BUILDING PERMITS.		
EXISTING STREET TABLE:					
STREET NAME TYPE R/W WIDTH PAVEMENT WIDTH MILE STRETCH DRIVE PUBLIC 66' ±24'					
PROPOSED STREET TABLE:	w			EXISTING	BRO.W. LINE
NO PROPOSED STREETS			POST OFFICE		
STRUCTURE TABLE: DESCRIPTION SIZE HEIGHT			ZONING: C1 FLU: ROR		
FIRE & RESCUE BUILDING 8110 S.F. SINGLE-STORY X <60'					66.0
EXISTING EASEMENT TABLE: DESCRIPTION USE SIZE				ZONING: R4 FLU: RES-9	
N/A					
PROPOSED EASEMENT TABLE: DESCRIPTION USE SIZE				10'-TYPE A LANDSCAPE BUFFER	
N/A	gue summe as grammem as summigm as as moreoughes as more as grammer as grammer as summer as summing of 18, 18, 18, 18, 18, 18, 18, 18, 18, 18,				
HISTORICAL RESOURCES TABLE: SITE NUMBER DESCRIPTION SIGNIFICANCE					
NONE-NOT APPLICABLE TRANSPORTATION PRESERVATION CORRIDOR TABLE:					TRANSPORTATION PRESERVATION CORRIDOR PROPOSED RW LINE
ROADWAY NAME MILE STRETCH DRIVE				The state of the s	TO BE DEDICATED TO PASCO COUNTY)
EXISTING SOILS: USDA SOIL SURVEY OF PASCO COUNTY INDICATES:		HERN			FLU: ROR
IMMOKALEE FINE SAND <u>EARTHWORK:</u>					ZONING: C1
CUT VOLUME: 0 CU. YDS. FILL VOLUME: 1,000 CU. YDS.					
GEOTECHNICAL REPORT:					EXISTING 5-FT CONCRETE SIDE WALK. (TO REMAIN)
PROFESSIONAL SERVICES INDUSTRIES, INC. (P.S.I.) PROPOSED FIRE STATION 12 REPORT, SEPTEMBER 29, 2009	WETLAND B		EXISTING DRA (TO BE USED FOR		5.8' (CONSTRUCTED WITH PASCO COUNTY MILE STRETCH DR.
			STORMWATER FACILITY) / //////// / / / / / / / / / / / / /		SIDEWALK PROJECT)
					10' TYRE D LANDSCAPE BUFFER
			ZONING: CI		
· I · · · · · · · · · · · · · · · · · ·					
	. 8 00.08,61, E 888'82,			197 × 197 ×	
	๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛				
			10' TYPE 'A LANDSCAPE BUFFER		intermentalistical announces announces announces
	X 8 &				
I DO AL DEGODEDITORE				and the second s	
LEGAL DESCRIPTION: (per Official Records Book 4521, Page 907)			LIBRARY		
The East 1/2 of Tract 48 in Section 30, Township 26 South, Range 16 East, Pasco County, Florida, as per the plat thereof recorded in Plat Book 1, Page 68, 69, 70 and 71 of the public records of Pasco County, Florida.			ZONING: C1		PPROXIMATE LIMITS OF 10-YR
			FLU: ROR	V adr ^{iti}	/ELL HEAD PROTECTION AREA
Subject to existing right-of-way for County Road 595 along the South boundary line.				g ^{ift}	
DATE: DRAWN BY: CHK'D BY:	ı	<u> </u>	CLIENT:	SHEET NAME:	JOB No.: 4 OOOO
DATE REV. BY REV. NO. REVISION	THIS DOCI	SE OF DOCUMENT UMENT, COMPRISED OF THE		PRFI IMINAR	Y SITE PLAN JOB No.: 12003 SHEET
4-21-2016 HPB ASCO COUNTY SITE COMMENTS	INCORPORAT INSTRUMENT	TED IDEAS AND DESIGNS, AS AN OF PROFESSIONAL SERVICE, IS	PASCO COUN	NTY FACILITIES [SHEET
	THE PROF CONSULTAN	PERTY OF COASTAL DESIGN TS. AND IS NOT TO BE USED, IN	MANAGEMEN MANAGEMEN	T DEPARTMENT PROJECT NAME:	
	PURPOS	SE WITHOUT THE WRITTEN	JLIMN 3 I	PASCO COUNTY FIRE	& RESCUE STATION NO. 12 C2.0
	AUTHORIZ	CATION OF COASTAL DESIGN CONSULTANTS. CA # 00009572	PAUL A. MANUEL, P.E. P.E. NO. 51424	PASCO CC	UNTY, FLORIDA









PURPOSE WITHOUT THE WRITTEN AUTHORIZATION OF COASTAL DESIGN CONSULTANTS.

CA # 00009572

PAUL A. MANUEL, P.E P.E. NO. 51424

TASK # FM 12-003

PASCO COUNTY, FLORIDA

C6.0

PIPE RESTRAINT LENGTHS IN FEET **COMMON FITTINGS**

	WATER MAINS - TEST PRESSURE 150 PSI									
	FITTING TYPE									
		11-1/4°	22-1/2°	45°	90°	DEAD END				
	4"	2'	4'	8'	20'	45'				
	6"	3'	6'	12'	28'	63'				
SIZE	8"	4'	7'	15'	36'	82'				
	10"	4'	9'	18'	43'	98'				
PIPE	12"	5'	10'	21'	50'	116'				
LL	16"	6'	13'	26'	63'	148'				
	20"	7'	15'	31'	76'	179'				
	24"	9'	17'	36'	87'	208'				

FORCE MAINS - TEST PRESSURE 100 PSI

		FITTING TYPE							
		11-1/4°	22-1/2°	45°	90°	DEAD END			
	4"	1'	3'	6'	13'	30'			
	6"	2'	4'	8'	19'	42'			
IZE	8"	2'	5'	10'	24'	55'			
တ	10"	3'	6'	12'	29'	66'			
)PE	12"	3'	7'	14'	34'	77'			
σ.	16"	4'	8'	18'	42'	99'			
	20"	5'	10'	21'	50'	119'			
	24"	6'	11'	24'	58'	139'			

RESTRAINT LENGTHS ARE MEASURED FROM THE CENTER LINE OF THE FITTING ALONG THE PIPE IN BOTH DIRECTIONS (EXCEPT DEAD ENDS).

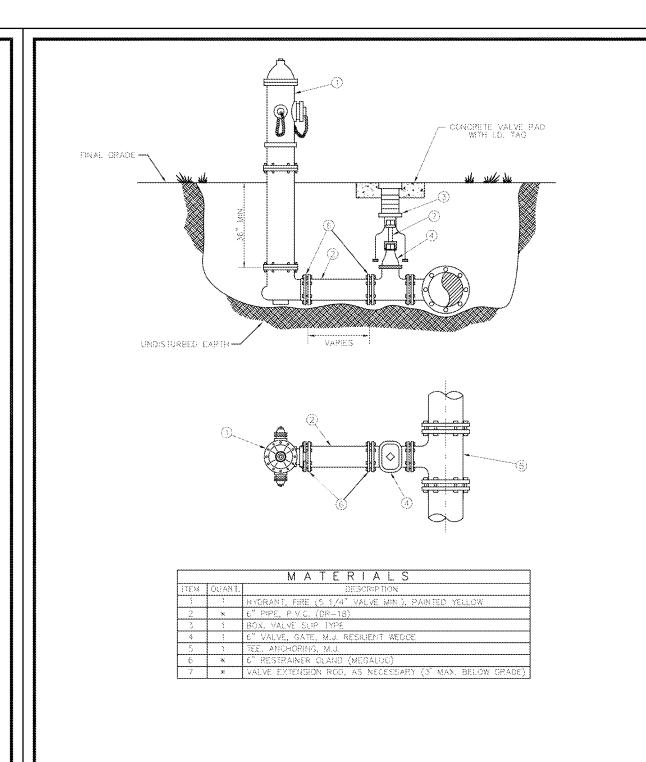
CREATED <u>02/24/03</u> REVISED	RESTRAINED JOINT TABLE COMMON FITTINGS	PROVIDED FOR INFORMATIONAL PURPOSES ONLY, NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
	PASCO COUNTY UTILITIES	DETAIL 31

PIPE RESTRAINT LENGTHS IN FEET TEES (BRANCH SIDE)

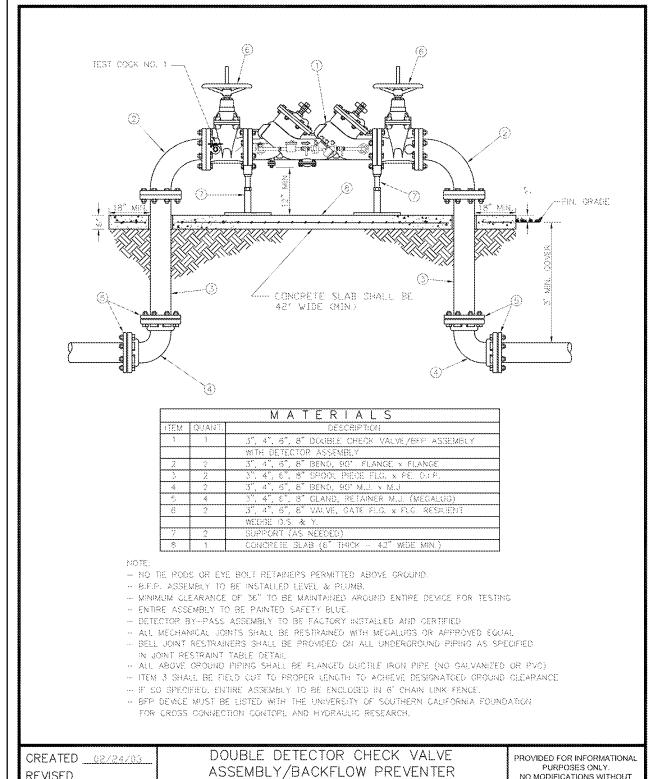
		WATER MAINS - TEST PRESSURE 150 PSI								
					В	RANCH	SIZE			
		3"	4"	6"	8"	10"	12"	16"	20"	24"
	3"	6'	14'	30'						
	4"	2'	11'	28'	44'					
SIZE	6"	1'	2'	22'	40'	52'	ANIONNA	PROTEIN .	WEEKE	manana
	8"	1'	1'	16'	35'	48'	62'			
RUN	10"	1'	1'	10'	30'	44'	58'	83'		
LL.	12"	1'	1'	3'	25'	40'	55'	80'	103'	
	16"	1'	1'	1'	14'	31'	48'	75'	98'	119'
	20"	1'	1'	1'	2'	22'	40'	69'	94'	116'
	24"	1'	1'	1'	1'	11'	31'	63'	89'	111'

RESTRAINT LENGTHS ARE MEASURED FROM THE CENTER LINE OF THE TEE ALONG THE BRANCH FOR THE DISTANCE INDICATED. A MINIMUM OF 5 FEET OF RESTRAINED PIPE MUST BE INSTALLED ON BOTH RUNS OF THE TEE. MEGALUG TYPE RESTRAINERS ARE REQUIRED ON ALL JOINTS.

CREATED <u>02/24/03</u> REVISED	RESTRAINED JOINT TABLE TEES (BRANCH SIDE)	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
	PASCO COUNTY UTILITIES	DETAIL 32



CREATED 02/24/03 REVISED	FIRE HYDRANT PERPENDICULAR TO THE MAIN	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN POU APPROVAL
	PASCO COUNTY UTILITIES	DETAIL 27

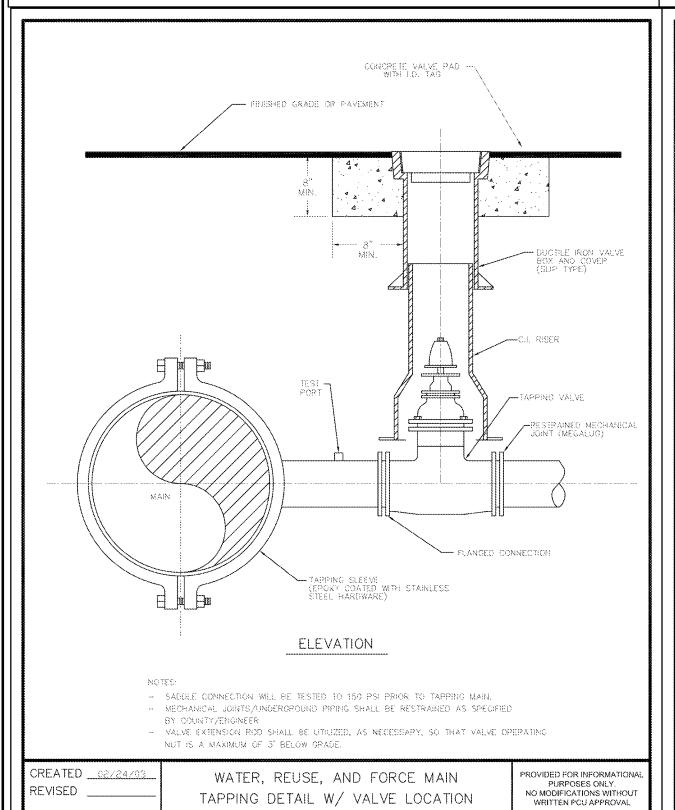


(SINGLE SERVICE: 3", 4", 6", 8", 10")

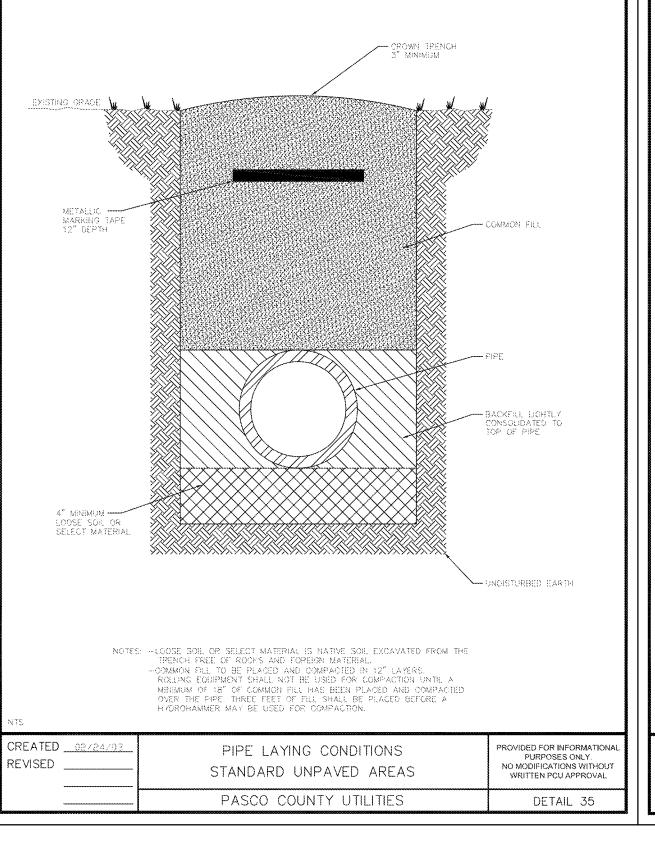
PASCO COUNTY UTILITIES

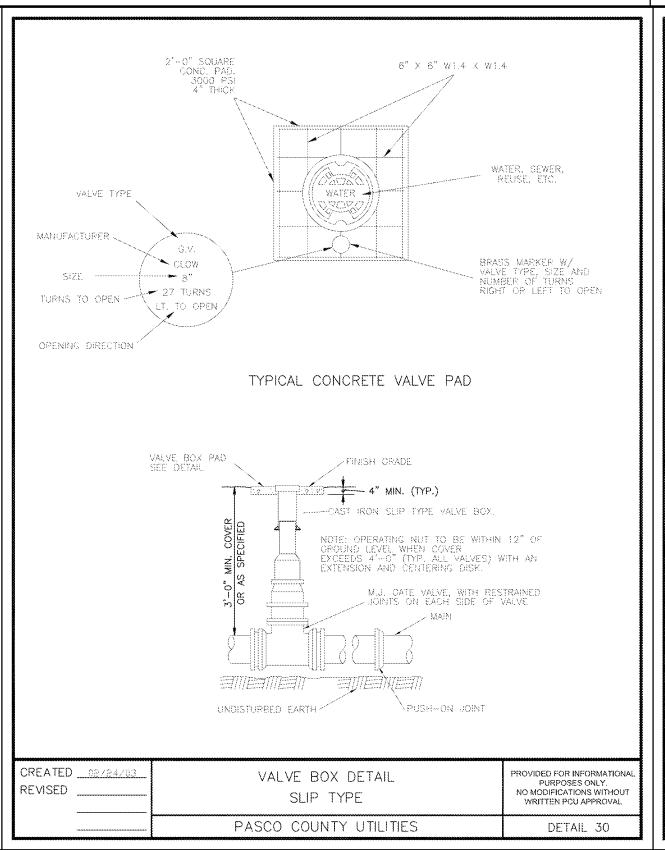
REVISED

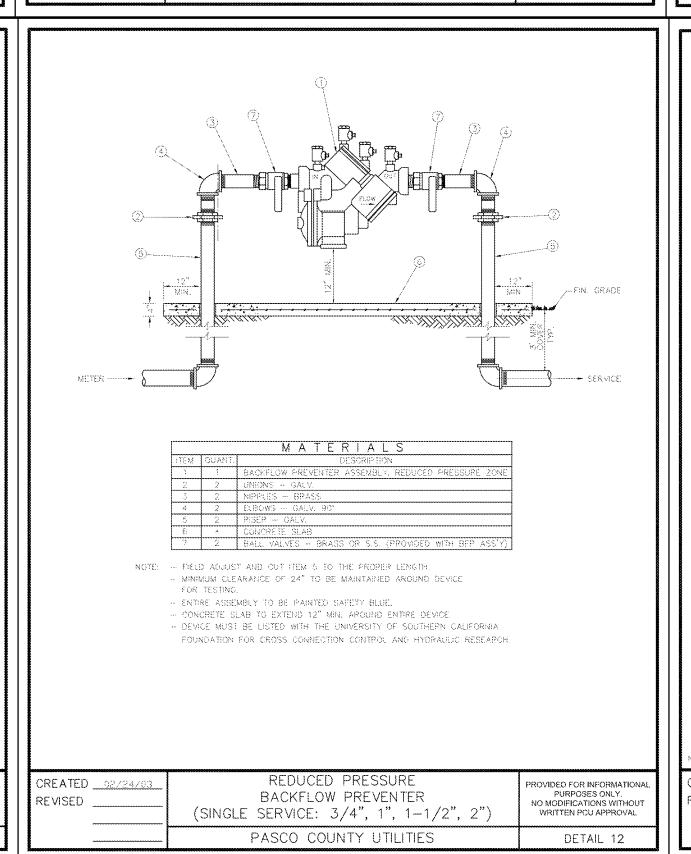
PAUL A. MANUEL, P.E. P.E. NO. 51424

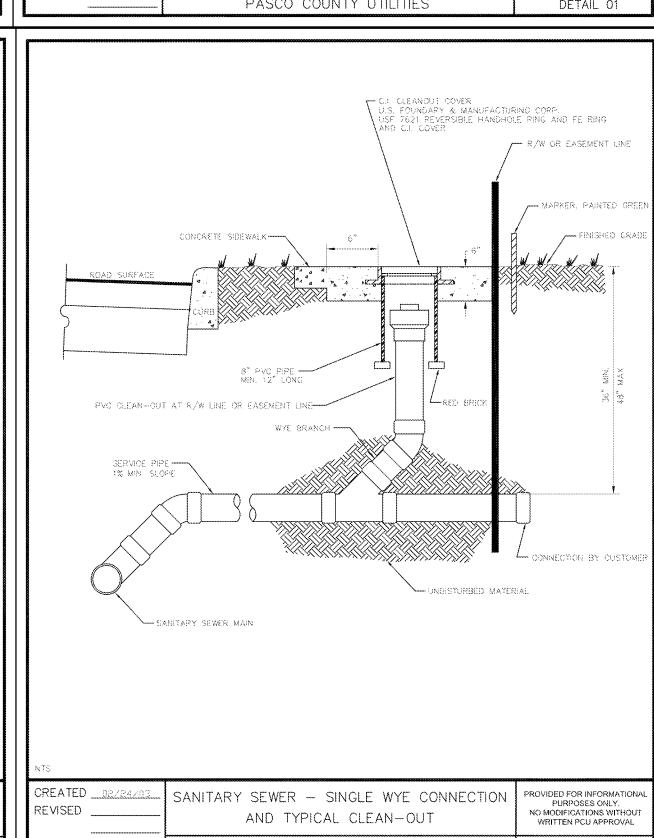


PASCO COUNTY UTILITIES









PASCO COUNTY UTILITIES

DATE:		DRAWN BY	: CHK'D BY:
DATE	REV. BY	REV. NO.	REVISION

DETAIL 37

REUSE OF DOCUMENT THIS DOCUMENT, COMPRISED OF THE INCORPORATED IDEAS AND DESIGNS, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF COASTAL DESIGN CONSULTANTS. AND IS NOT TO BE USED, IN WHOLE OR IN PART FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN AUTHORIZATION OF COASTAL DESIGN CONSULTANTS.



CA # 00009572

PASCO COUNTY FACILITIES MANAGEMENT DEPARTMEN TASK # FM 12-003

	SHEET NAME.	
ES		
NIT	PROJECT NAME:	
N	D4000	

WRITTEN PCU APPROVAL

DETAIL 10

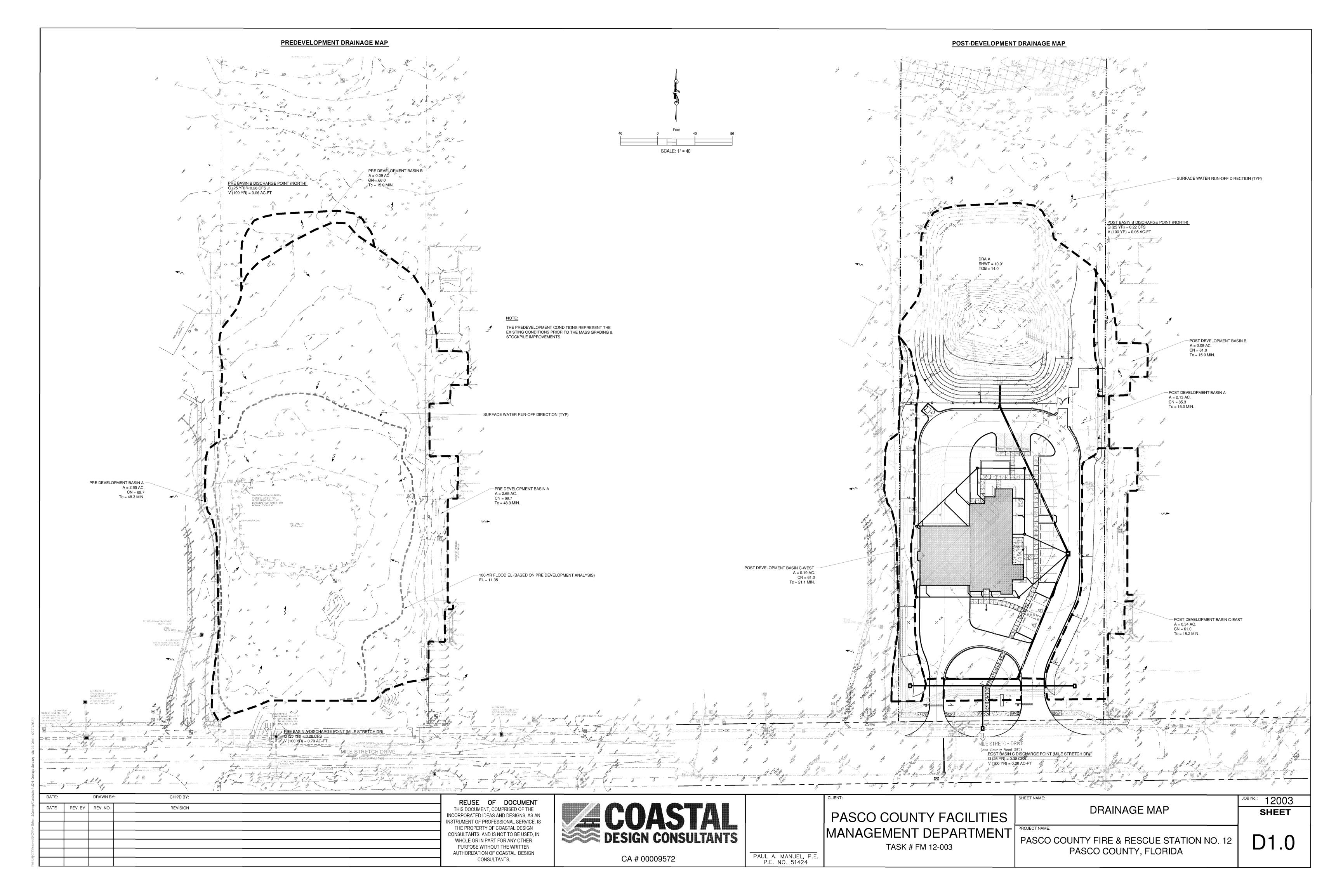
PASCO COUNTY FIRE & RESCUE STATION NO. 12 PASCO COUNTY, FLORIDA

UTILITY DETAILS

12003 SHEET

DETAIL 45

C6.1



ENVIRONMENTAL RESOURCE PERMIT (ERP) CONSTRUCTION SURFACE WATER MANAGEMENT PLAN

PREVENT EROSION AND SEDIMENT DEPOSIT IN WETLANDS/SURFACE WATERS OR ADJACENT PROPERTIES. PURPOSE

PREVENT OFFSITE FLOODING. PREVENT VIOLATIONS OF STATE WATER QUALITY STANDARDS.

REGULATORY AGENCY STATE OF FLORIDA WATER MANAGEMENT DISTRICTS

APPLIES TO : ALL CONSTRUCTION PROJECTS UNLESS SPECIFICALLY EXEMPT BY RULE

RESPONSIBLE ENTITY : ENVIRONMENTAL RESOURCE PERMITTEE SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE.

ALL PERMITTED PROJECTS SHALL PREPARE AND MAINTAIN A CONSTRUCTION SURFACE WATER MANAGEMENT REQUIREMENT S: PLAN (CSWMP) IN ACCORDANCE WITH F.A.C. 40D RULES, PART B. BASIS OF REVIEW, SECTION 2.8.

MAJOR COMPONENTS OF THE CSWMP

1. SITE PLAN.

2. TOPOGRAPHY AND HYDROLOGIC DATA

CONSTRUCTION DETAILS.

4. PROCEDURES TO CONTROL EROSION AND SEDIMENTATION.

5. PROCEDURES FOR STORMWATER MANAGEMENT. 6. MAINTENANCE PROCEDURES.

7. INSPECTION RECORDS.

SEE "THE FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL", APRIL 2006 (OR LATEST EDITION) FOR ADDITIONAL INFORMATION. AND CHAPTER 6, "THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT".(FDER

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)

PREVENT THE DISCHARGE OF POLLUTANTS ASSOCIATED WITH CONSTRUCTION ACTIVITIES TO SURFACE WATERS PURPOSE:

OF THE STATE.

EPA AND STATE OF FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION REGULATORY AGENCY

APPLIES TO : ALL CONSTRUCTION PROJECTS DISTURBING ONE (1) OR MORE ACRES OF LAND UNLESS SPECIFICALLY EXEMPT BY

RESPONSIBLE ENTITY THE "OPERATOR" AS DEFINED IN F.A.C. 62-621.300(4)(a) SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE.

TYPICALLY THE CONTRACTOR SHALL BE OPERATOR AND FILE NPDES NOTICE OF INTENT (NOI).

REQUIREMENT S: ALL NON-EXEMPT PROJECTS SHALL PREPARE AND MAINTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH F.A.C. 62-621. THE SWPPP SHALL BE COMPLETED PRIOR TO SUBMITTAL OF THE NOI

AND MAINTAINED THROUGH THE LENGTH OF PROJECT.

MAJOR COMPONENTS OF THE SWPPP

1. SITE PLAN.

2. TOPOGRAPHY AND HYDROLOGIC DATA

3. CONSTRUCTION DETAILS. 4. PROCEDURES TO CONTROL EROSION AND SEDIMENTATION.

5. MEASURES TO CONTROL OTHER POLLUTANTS. 6. MAINTENANCE PROCEDURES.

7. INSPECTION RECORDS.

8. OPERATOR CERTIFICATION.

SEE "GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES", MAY 2003 (OR LATEST EDITION) FOR ADDITIONAL INFORMATION.

COMPLIANCE WITH NPDES GENERAL PERMIT CONDITIONS FOR CONSTRUCTION SITES SHALL BE THE CONTRACTOR'S RESPONSIBILITY INCLUDING SUBMITTAL OF THE NPDES NOTICES OF INTENT (NOI) AND TERMINATION (NOT) TO FDEP IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.

CONTRACTOR IS ADVISED THAT THIS CONSTRUCTION PLAN SET DOES NOT FULFILL ALL REQUIREMENTS OF THE SWPPP. TO ENSURE COMPLIANCE, ADDITIONAL ITEMS TO BE SUPPLIED AND MAINTAINED ON SITE BY THE CONTRACTOR SHALL INCLUDE:

1. Certification Statement.

In accordance with F.A.C. 62-621.305 all documents related to the NPDES Permit, including Contractor's SWPPP, shall contain the following statement "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations".

2. Subcontractor's Statement.

In accordance with Document 62-621.300(4)(a), any subcontractors responsible for SWPPP activities shall sign a copy of the following statement "I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder". Certifications are to include name and title of person providing signature, as well as, name, address and telephone number of the contracting firm, and date certification is made.

Records.

Contractor's SWPPP shall contain Records of all inspections and maintenance activities as required by permit. A copy of the NOI shall also be kept with the SWPPP. Records are to be maintained for no less than 3 years after final stabilization of the site.

Contractor's SWPPP shall include any modifications to the "Plan" as may be required to address such items as specific construction phasing, changes to controls made in the field, or changes in responsible personnel.

The following documents may be consulted for additional guidance:

WWW.DEP.STATE.FL.US/LEGAL/RULES/SHARED/62-621/62-621.PDF

WWW.DEP.STATE.FL.US/WATER/STORMWATER/NPDES/DOCS/SWPPPTRAINING.PDF

INFORMATION CONTAINED IN THESE CONSTRUCTION PLANS IS INTENDED TO PROVIDE A STARTING POINT FOR THE CSWM AND SWPP PLANS. IN ORDER TO FULLY COMPLY WITH ALL ASPECTS OF CSWMP AND SWPPP REQUIREMENTS, ADDITIONAL ITEMS SHALL BE PROVIDED BY THE RESPONSIBLE ENTITY TO INCLUDE: INSPECTION RECORDS, UPDATES / MODIFICATIONS, AND CERTIFICATIONS.

REFERENCES MADE TO THE "PLAN" IN THE FOLLOWING NOTES REFERS BOTH TO THE CSWMP AND SWPPP AND SHALL BE INTERCHANGEABLE. THE "PLAN" COMPONENTS PROVIDED BY THE ENGINEER INCLUDE SITE DATA, STORMWATER MANAGEMENT EROSION/SEDIMENT CONTROL INSTRUCTIONS, DETAILS, AND NOTES AS PRESENTED THROUGHOUT THIS CONSTRUCTION PLAN SET.

"PLAN" AMENDMENTS

THE PLAN SHALL BE AMENDED WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR DISCHARGE OF POLLUTANTS TO SURFACE WATERS OF THE STATE OR MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4). THE PLAN ALSO SHALL BE AMENDED IF IT PROVES TO BE INEFFECTIVE OR TO INDICATE ANY NEW CONTRACTOR AND/OR SUBCONTRACTOR IMPLEMENTING CONTROL MEASURES. ALL AMENDMENTS SHALL BE SIGNED, DATED, AND KEPT AS ATTACHMENTS TO THE ORIGINAL PLAN.

SITE DATA

PROJECT NAME: PASCO COUNTY FIRE & RESCUE STATION NO. 12

PROJECT DESCRIPTION: CONSTRUCTION OF A 9,739 S.F. FIRE STATION BUILDING, ASPHALT DRIVE AISLE AND STORM PONDS. LOCATION: S 30 T 26 R 16E

SEE CONSTRUCTION PLANS SHEET D1.0

PROJECT SIZE: 3.25 AC SIZE OF DISTURBED AREA: 3.25 AC

SITE MAP: SEE CONSTRUCTION PLANS COVER SHEET

EXISTING TOPOGRAPHY: SEE CONSTRUCTION PLANS SHEET D1.0

PROPOSED TOPOGRAPHY: SEE CONSTRUCTION PLANS SHEET D1.0

POST-DEVELOPMENT DRAINAGE MAP:

SEE CONSTRUCTION PLANS SHEET D1.0 SCS SOIL DATA: SEE GEOTECHNICAL REPORT PROVIDED BY PROFESSIONAL SERVICES INDUSTRIES, INC.

ADDITIONAL DATA INCLUDING GEOTECHNICAL STUDY AND STORM WATER MANAGEMENT REPORT ARE AVAILABLE FROM THE ENGINEER.

RUNOFF COEFFICIENTS:

PREDEVELOPMENT DRAINAGE MAP:

PREDEVELOPMENT C VALUE = 0.25 UNPAVED POST-DEVELOPMENT C VALUE = 0.30 UNPAVED

DISCHARGE POINTS AND RECEIVING WATER OR MS4 (UP TO 100 YR / 24 HR EVENT)

DISCHARGE POINT: RECEIVING WATER: ON-SITE RUNOFF

0.95 PAVED

DRAINAGE AREA: SEE SHEET D1.0

FDOT PRECIPITATION ZONE: ZONE 6

WATER MANAGEMENT DISTRICT RAINFALL DATA: 2 YR / 24 HR = 4.0 INCHES

10 YR / 24 HR = 7.5 INCHES25 YR / 24 HR = 9.0 INCHES 100 YR / 24 HR = 12.0 INCHES

5 YR / 24 HR = 6.0 INCHES

CONSTRUCTION ACTIVITIES

Sequence of Major Soil Disturbing Activities For each construction phase clear and grub as necessary for installation of perimeter controls only. Install perimeter controls before beginning other land disturbing activities. Remove perimeter controls only after all upstream areas are stabilized.

Clearing, grubbing and earthwork for ponds.

Clearing, grubbing and earthwork for swales. Storm sewer construction. Install storm pipe in the upstream direction.

Clearing and grubbing for utility installation.

Clearing, grubbing and earthwork associated with pavement and buildings. Complete site work.

Remove erosion control measures prior to final demobilization.

Areas of Soil Disturbing Activities

Any areas where permanent features are shown to be constructed shall be disturbed.

Areas to be Stabilized

All areas disturbed during construction shall be stabilized unless specifically shown otherwise

CONTROLS

The following discussion defines general guidelines for the use of erosion/sediment controls and stabilization.

Temporary and permanent stabilization practices.

A. Temporary Sodding:

Install at the limits of phasing in all locations where construction activities have ceased and the likelihood of erosion is high.

B. Temporary Grassing:

Install at all locations where construction activities has temporarily stopped for a period to exceed 30 days.

C. Permanent planting, sodding and seeding:

All disturbed areas not paved will ultimately receive permanent sodding, seed or mulch unless specifically shown otherwise in

Structural Controls.

Intended to divert, store, retain or otherwise limit storm water flow. Structural controls shall be installed prior to any earthwork or

A. Silt Fence:(PER FDOT INDEX 102) Shall be used

around the perimeter of project area as designated in the Construction Plans.

around wetlands or other surface waters, where existing ground slopes away from the project

Sheet flow areas

Stockpile areas shall include silt fence around the perimeter or wherever there is potential for sediment to migrate offsite.

Typical useful life of silt fence is 6 months.

NOTE: Additional silt fence may also be required to designate limits of construction, protect trees, or satisfy local development

B. Hay Bales(Per FDOT Index 102): May be used as temporary sediment barrier per FDOT Index 120. Typical useful life of hay bales is 3 months.

C. Turbidity Barriers(Per FDOT Index 102):

Shall include staked or floating type, as required, wherever there is a point source discharges from project area to surface water. Typical useful life of staked turbidity barriers is 6 months.

D. Rock Bags

May be used as temporary measure for inlet protection per FDOT Index 120. Primary use shall be around curb type inlets.

Sediment Basins for areas disturbing 10 acres or more.

Sumps or traps are required to provide 3,600 cu ft of storage per acre drained. When discharge is to an Outstanding Florida Waterway, Storage must be sufficient to accommodate the 10 year / 24 hour storm.

Requirement for sediment trap may be satisfied by utilizing the project storm water ponds. If so, Ponds shall be cleaned of excess sediment prior to final acceptance.

PAUL A. MANUEL, P.E

P.E. NO. 51424

CONTROLS (CONTINUED) 4. Permanent storm water management controls.

As individual phases of construction are performed, permanent control structures shall be installed.

Other Pollutant Controls.

A. Waste Disposal: The Contractor shall be responsible for maintaining field records of their SWPPP activities including disposal of construction debris and waste. The Contractor shall provide litter control and collection within the project boundaries during construction activities. Any fertilizer, hydrocarbon, or other chemical containers shall be disposed of by the contractor according to EPA standard practices as detailed by the manufacturer. No solid materials including building and construction debris shall be placed in, or discharged to, wetlands, surface waters or buried on site. B. Offsite Vehicle Tracking:

The Contractor shall provide control(s) from the following acceptable methods:

1. Loaded haul trucks shall be covered by a tarpaulin. 2. Excess dirt on road shall be removed daily. Contractor shall provide pollution control by implementing dust control with water application while

dust generating activities are conducted. 3. Soil Tracking Prevention Device shall be installed where vehicles leave the project area (or enter nearest paved road).

C. Herbicides / Pesticides: Application rates shall conform to applicable local, state and federal regulations.

D. Toxic Substances: Storage, application, generation, migration of all toxic substances shall conform to applicable local, state and Federal regulations. Containment areas shall be

provided whenever potentially hazardous materials are stored on site.

Non-Stormwater Discharges.

No non-stormwater discharges to surface waters, wetlands or the MS4 shall be allowed except as specifically approved by applicable permits and regulations.

MAINTENANCE

The Contractor shall be responsible for daily inspection and maintenance of all control devices throughout the construction phase and removal of control devices when no longer necessary.

NOTE: For SWFWMD, the PERMITTEE is responsible for ensuring that all controls are properly maintained.

The following practices shall be used to maintain controls.

- 1. The Contractor shall maintain rain gages on the project site and keep a record of daily rainfall.
- The Contractor shall check and ensure proper operation of the controls. If a repair is necessary, it shall be initiated within 24 hours of
- Built-up sediment shall be removed when it has reached 1/3 the height of barrier.
- 4. Any controls which are not functioning as intended shall be repaired or replaced.
- Temporary and permanent seeding shall be inspected for bare spots, washouts, and healthy growth.
- Soil tracking prevention devices shall be maintained to prevent clogging of rock bedding which may impede usefulness of the structure.

INSPECTION AND DOCUMENTATION PROCEDURES

The Contractor shall be responsible for completing weekly inspection report form and maintaining documentation for 3 years following final stabilization. The Contractor shall submit copies of these reports to the owner prior to final payment for work shown within these construction plans. Additional inspection and documentation must be completed within 24 hours after any significant rainfall event.

NOTE: For NPDES, a significant rainfall shall be 0.5 inches or greater. For ERP, a significant rainfall shall be 0.25 inches or greater. To eliminate confusion, Contractor is advised to carryout inspections after rainfall exceeding 0.25 inches.

Where sites have been permanently stabilized, inspections/reports shall be conducted at least once per month until construction activities

For projects with minimal potential for discharge to surface waters, it may be possible to adjust this criteria. Contact the Engineer for details.

have ceased and NOT has been submitted.

Minimum inspection requirements shall include: Points of discharge to waters of the State.

- Points of discharge to the MS4 (municipal storm sewer).

modifying any structural controls which are specifically shown in the construction plans.

UNLESS PRIOR APPROVAL OF SUCH COST IS RECEIVED BY THE OWNER.

- Disturbed areas of the site that have not been stabilized. - Areas used for storage of materials that may create a pollution source (i.e. stockpiles, fuel drums, construction debris) and are

exposed to rainfall.

- Structural Controls Storm water Management Controls

 Locations where vehicles enter and exit the site. The Contractor shall initiate repairs / corrections within 24 hours of any items found to be in non-compliance with the associated permit requirements. If inspections indicate that the installed stabilization and structural practices are not sufficient to minimize erosion, retain sediment, and prevent the discharge of pollutants Contractor shall complete corrective measures as needed. Contact the Engineer prior to

THE CONTRACTOR SHALL MAKE REPAIRS/CORRECTIONS TO ERODED AREAS AND MAINTENANCE OF SEDIMENT CONTROL DEVICES WITHOUT ADDITIONAL COST TO THE OWNER AND/OR THE ENGINEER

CONSTRUCTION SURFACE WATER MANAGEMENT RESPONSIBLE ENTITY

AS REQUIRED UNDER FAC 40D, PART B, SECTION 2.8.1.(c) THE OWNER/PERMITTEE OR AUTHORIZED AGENT "SHALL ENSURE THAT THE SURFACE WATER AND STORM WATER MANAGEMENT MEASURES PROPOSED IN THE "PLAN" ARE EFFECTIVELY IMPLEMENTED UNTIL COMPLETION OF THE PROJECT OR UNTIL THE PERMANENT SURFACE WATER MANAGEMENT SYSTEM IS OPERATIONAL". THE "PLAN" SHALL INCLUDE NOTES, DETAILS AND INSTRUCTIONS FOR STORM WATER MANAGEMENT PRESENTED THROUGHOUT THESE CONSTRUCTION PLANS, AS WELL AS, ANY AMENDMENTS TO THE "PLAN" AND RECORD KEEPING THROUGH THE COURSE PROJECT.

THE OWNER/PERMITTEE OR AUTHORIZED AGENT IS AWARE OF, AND HEREBY AGREES TO COMPLY WITH THE STORM WATER MANAGEMENT ITEMS CONTAINED WITHIN THE CONSTRUCTION PLANS, INCLUDING MAINTENANCE OF EROSION CONTROL ITEMS, AS SUBMITTED FOR DISTRICT APPROVAL.

> SIGNATURE OF APPLICANT / PERMITTEE OR AGENT FOR SWFWMD PERMIT

> > PRINTED NAME OF APPLICANT / PERMITTEE OR AGENT FOR SWFWMD PERMIT

DRAWN BY: CHK'D BY: REUSE OF DOCUMENT DATE | REV. BY | REV. NO. REVISION THIS DOCUMENT, COMPRISED OF THE INCORPORATED IDEAS AND DESIGNS, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF COASTAL DESIGN CONSULTANTS. AND IS NOT TO BE USED, IN WHOLE OR IN PART FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN AUTHORIZATION OF COASTAL DESIGN CONSULTANTS.



CA # 00009572

TASK # FM 12-003

PASCO COUNTY FACILITIES MANAGEMENT DEPARTMENT

STORM WATER POLLUTION PREVENTION PLAN

PASCO COUNTY FIRE & RESCUE STATION NO. 12 PASCO COUNTY, FLORIDA

SHEET

12003

PAY ITEM FOOTNOTES:

630-2-AB

INCLUDES CONDUIT FOR MULTIPLE RUNS IN ONE TRENCH. LINEAR FOOTAGE SHOWN ON PLANS ARE FOR LENGTH OF TRENCH.

630-2-AB:

ALL CONDUIT RUNS SHOWN ON THE PLANS ARE SCHEMATIC AND FIELD ADJUSTMENTS MAY BE NECESSARY. WITH THE EXCEPTION OF ELECTRICAL POWER SERVICE DUCTS, JACK AND BORE SLEEVES, AND DIRECTIONAL BORE CONDUITS, ALL UNDERGROUND AND UNDER PAVEMENT CONDUITS SHALL BE SCHEDULE 40 PVC WITH A MINIMUM SIZE OF TWO INCHES UNLESS OTHERWISE SPECIFIED IN THE PLANS. CONDUITS INSTALLED WITH THE DIRECTIONAL BORE METHOD SHALL BE HDPE WITH A MINIMUM SIZE OF 2 INCHES.

632-7-1:

EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE/MOVEMENT. THIS INCLUDES THE LEFT TURN MOVEMENT WHICH SHALL HAVE CONDUCTORS AVAILABLE FOR EITHER PROTECTED OR PERMISSIVE MOVEMENTS. THE CONTRACTOR SHALL VERIFY COLOR CODES FOR SIGNAL CABLE AND INTERCONNECT CABLE WITH THE PASCO COUNTY SIGNAL SHOP BEFORE ORDERING AND WIRE THE SIGNAL IN ACCORDANCE WITH THAT COLOR CODE AND F.D.O.T. SPECIFICATIONS. THERE SHALL BE ONE NEUTRAL PER APPROACH.

THE PAYMENT OF THIS ITEM SHALL BE BASED ON THE LINEAR FOOT OF A SINGLE CONDUCTOR.

649-3A-BCC:

AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO THE SIGNAL POLE FOUNDATION, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR FEET OF THE HOLE FOR THE POLE FOUNDATION. THE CONTRACTOR SHALL CONFIRM THE ABSENCE OF UTILITY CONFLICTS AT EACH POLE LOCATION PRIOR TO ORDERING POLES. ANY POTENTIAL CONFLICTS SHALL BE REPORTED TO THE PROJECT ENGINEER PRIOR TO ORDERING POLES.

663-1-110

THE EMERGENCY PRE-EMPTION VEHICLE DETECTION UNIT ITEM SHALL INCLUDE DETECTORS AND ALL OTHER COMPONENTS, HARDWARE, INTERFERENCE PANELS, WIRING, ETC. TO PROVIDE A FULLY FUNCTIONAL SYSTEM AND SHALL BE COMPATIBLE WITH THE PASCO COUNTY SYSTEM. THE CONTRACTOR SHALL COORDINATE WITH THE MAINTAINING AGENCY FOR UNIT ACCEPTANCE AND SHALL BE LISTED IN THE FDOT APPROVED PRODUCT LIST.

670-5-110:

SHALL INCLUDE THE COST FOR A NEW CABINET FOUNDATION AND ALL NECESSARY APPURTENANCES.

PASCO COUNTY TRAFFIC OPERATIONS DIVISION TRAFFIC SIGNAL CONTROLLER SPECIFICATIONS AND STANDARD PLAN NOTES MAST ARM WITH VIDEO DETECTION REV. 7, MARCH 23, 2012

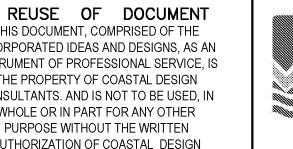
- 1) A MANDATORY PRE-SIGNALIZATION MEETING SHALL BE HELD PRIOR TO START OF THE PROJECT. ALL MATERIAL SUBMITTALS SHALL BE PROVIDED AT THE MEETING.
- 2) ALL CONTROLLER AND CABINET ASSEMBLIES SHALL BE IN ACCORDANCE WITH PASCO COUNTY SPECIFICATIONS 04-001 AND 04-002.
 - 1. ALL CABINET ASSEMBLIES SHALL BE NEMA TS2 TYPE 1 UNLESS OTHERWISE SPECIFIED.
 - 2. SCATS ADAPTIVE SYSTEM REQUIRES 2070 OR 2070N CONTROLLERS WITH PROPER SOFTWARE. THE COST OF ANY SCATS SOFTWARE FOR THE CONTROLLER AND THE COST OF THE 2070 CONTROLLER PERSONALITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - 3. FOR ALL ISOLATED AND OTHER CLOSED LOOP APPLICATIONS, THE CONTROLLER SHALL BE NEMA CONTROLLER WITH "ABC" CONNECTORS AND BUSS COMMUNICATIONS AND BE COMPATIBLE WITH THE EXISTING SYSTEM SOFTWARE.
 - 4. FOR CLOSED LOOP SYSTEMS, VERIFY CONTROLLER AND COMMUNICATIONS TYPE WITH PASCO COUNTY. IF SPREAD SPECTRUM RADIO IS REQUIRED, IT SHALL BE SUPPLIED WITH RADIO, ANTENNA, COAX CABLE, CONNECTORS AND POLYPHASER.
- 3) PRIOR TO ORDERING THE CONTROLLER AND CABINET ASSEMBLIES, VERIFY THE TYPE SYSTEM THAT IT WILL BE USED IN. ALL CONTROLLER AND CABINET ASSEMBLIES SHALL BE FULLY COMPATIBLE WITH THE APPROPRIATE CLOSED LOOP OR SCATS SYSTEM. VERIFY THE TYPE OF COMMUNATIONS TO BE USED, RADIO, FIBER OR TWISTED PAIR.
- 4) ALL SIGNAL POLE FOUNDATIONS SHALL HAVE A MINIMUM OF TWO 2" AND ONE 1" PVC CONDUITS. UNUSED CONDUITS SHALL BE RUN TO THE NEAREST SIGNAL PULL BOX OR SIGNAL CABINET, WHICHEVER IS CLOSEST.
- 5) ALL TRAFFIC SIGNAL FIXTURES SHALL BE WIRED PER THE INTERSECTION WIRING DIAGRAM PROVIDED BY PASCO COUNTY TRAFFIC OPERATIONS. CABLE SIZE SHALL BE AS CALLED FOR IN THE WIRING DIAGRAM. ALL WIRING SHALL BE CONCEALED WITHIN THE ARM, MOUNTING BRACKET AND FUTURE; NO EXPOSED WIRING SHALL BE PERMITTED.
- 6) ALL SPARE CONDUCTORS IN TRAFFIC SIGNAL FIXTURES SHALL BE CONNECTED TO AC IN THE FIXTURE. ALL SPARE CONDUCTORS IN THE CABINET SHALL BE CONNECTED TO THE GROUND BUSS BAR.
- 7) ALL BACK PLATES SHALL HAVE A THREE—INCH YELLOW REFLECTIVE BORDER PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 8) ALL FIELD WIRES IN CABINET SHALL BE IDENTIFIED WITH PANDUIT #PLM1M-C MARKER TIES; OR EQUIVALENT.
- 9) ALL CONTROLLER AND CABINET BASES SHALL HAVE ONE 4-INCH CONDUIT FOR FUTURE FIBER OPTICS COMMUNICATIONS. IT SHALL BE STUBBED OUT TO A FIBER OPTICS PULL BOX.
- 10) ALL GROUND ROD CONNECTIONS SHALL BE MADE USING EXOTHERMIC WELD GROUND CONNECTORS.
- 11) ALL UNUSED REDS SHALL BE HARD WIRED TO 120V AC, UNLESS A FLORIDA DEPARTMENT OF TRANSPORTATION APPROVED PLUG-IN JUMPER IS USED.

	TABULATION OF QUANTITIES	(SI(3N/	$\Delta \Box$	ZA	TIC	NC	\bigcirc	NL,	Y)		
BID ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS						TOTAL THIS SHEET		GRAND TOTAL	
				FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	
101-1	MOBILIZATION	LS										
102-1	MAINTENANCE OF TRAFFIC	LS										
455-88-6	DRILLED SHAFT, (60" DIA.)	LF										
630-1-12	CONDUIT (UNDERGROUND) (F&I)	LF										
632-7-1	CABLE, SIGNAL	PI										
635-1-11	PULL AND JUNCTION BOXES (PULL BOX)	EA										
639-1-23	SIGNAL, ELECTRICAL POWER SERVICE, UNDERGROUND	AS										
639-2-1	ELECTRICAL SERVICE WIRE	LF										
641-2-12	CONCRETE POLE (TYPE P-II)	EA										
646-1-41	ALUMINUM SIGNAL POLE (RELOCATE)	EA										
649-34-000	STEEL MAST ARM ASSEMBLY (RELOCATE)	EA										
650-4	TRAFFIC SIGNAL (RELOCATE) (3-SECT., 1-WAY) (12" LED)	AS										
663-74-40	DETECTOR OPTICAL ASSEMBLIES D4 (RELOCATE) (EMERG. VEH. PRE-EMPTION)	EA										
670-5-500	TRAFFIC CONTROLLER ASSEMBLY (RELOCATE)	AS										
690-31	SIGNAL PEDESTAL REMOVAL	EA										
690-34-1	COMPLETE POLE REMOVAL, DIRECT BURIAL	EA										
690-100	SIGNAL EQUIPMENT, MISCELLANEOUS REMOVE	PI										
700-48-48	SIGN PANEL MAST ARM MOUNT 9-12	AS										
700-20-40	SINGLE POST SIGN, RELOCATE	AS										

GENERAL NOTES:

- 1. THE SIGNAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST VERSIONS OF THE FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS", FDOT "MINIMUM SPECIFICATIONS FOR FOR TRAFFIC CONTROL SIGNALS AND DEVICES". AND "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" EXCEPT AS SPECIFIED HEREIN.
- 2. THE LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. PRIOR TO DIGGING, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY THE "SUNSHINE STATE ONE CALL" NOTIFICATION CENTER NOT LESS THAN 48 HOURS, NOR MORE THAN FIVE DAYS IN ADVANCE OF ANY OF THE CONTRACTOR'S WORK ACTIVITY WHICH MAY IMPACT ANY UTILITY FACILITY. CALL "SUNSHINE STATE ONE CALL" AT (800) 432-4770. IT WILL BE THE CONTRACTOR'S SOLE RESPONSIBILITY FOR HAVING UNDERGROUND CABLE AND UTILITIES LOCATED AND IDENTIFIED BY PROPER AUTHORITIES AT CONSTRUCTION SITES.
- 3. ONE WEEK PRIOR TO THE TRAFFIC SIGNAL INSTALLATION, THE CONTRACTOR SHALL CONTACT:
 - A) MR. MIKE BUNK, TRAFFIC OPERATIONS PASCO COUNTY TRAFFIC OPERATIONS DIVISION PUBLIC WORKS UTILITIES BUILDING, ROOM 124 7530 LITTLE ROAD NEW PORT RICHEY, FLORIDA 34654 PHONE: (727) 847-8139
- 4. PRIOR TO ALL TRAFFIC SIGNAL CHANGES (I.E., MAINTENANCE OF TRAFFIC CHANGES, NEW SIGNAL INSTALLATIONS, DIFFERENT PAVEMENT CONFIGURATIONS, ETC.), CONTACT MIKE BUNK AT (727) 847-8139 FOR IMPLEMENTATION OF APPROPRIATE SIGNAL TIMINGS.
- 5. THE CONTRACTOR SHALL CONTACT THE LOCAL POWER COMPANY FOR THEIR ASSISTANCE IN PERFORMING ALL NECESSARY WORK UNDER POWER LINES. SUCH WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE INSTALLATION OF SPAN WIRE, SIGNAL CABLE, FIBERGLASS INSULATORS, AND/OR SIGNAL POLES.
- 6. THE CONTRACTOR SHALL SUBMIT THE AS-BUILT PLANS TO THE ENGINEER FOR APPROVAL PRIOR TO 48 HOUR TEST. UPON 48 HOUR TEST, THE ENGINEER SHALL PROVIDE AT LEAST ONE COPY OF THE FINAL AS-BUILT PLANS TO PASCO COUNTY.
- 7. THE SIGNAL SHALL FLASH FOR A MINIMUM OF 48 HOURS BEFORE PLACING INTO FULL OPERATION. FLASHING OPERATION SHALL START ON A MONDAY, TUESDAY OR WEDNESDAY. HOWEVER, THE FLASHING OPERATION SHALL NOT START ON THE DAY PRECEDING A HOLIDAY.
- 8. THE SIGNAL SHALL BE PLACED IN FULL OPERATION ON A MONDAY, TUESDAY OR WEDNESDAY, BUT SHALL NOT BE PLACED IN FULL OPERATION ON THE DAY PRECEDING A HOLIDAY.
- 9. DURING TRAFFIC SIGNAL FLASHING OPERATION, THE RED ARROW INDICATION OF ALL 3-SECTION LEFT-TURN HEADS SHALL BE THE FLASHING INDICATION DISPLAYED.
- 10. SIGNAL TO BE MAINTAINED BY PASCO COUNTY.
- 11. THE CONTRACTOR SHALL SUBMIT TO PASCO COUNTY TRAFFIC OPERATIONS. FOR APPROVAL, THE SUBMITTAL DATA FORM FOR ALL PROPOSED TRAFFIC CONTROL DEVICES WITHIN PASCO COUNTY ROW PRIOR TO INSTALLATION.

DATE:		DRAWN BY	Y: CHK'D BY:	R
DATE	REV. BY	REV. NO.	REVISION	THIS
				INCORF
				INSTRUI THE
				CONSL
				WH PL
				AUTI



CONSULTANTS.



PASCO COUNTY FACILITIES MANAGEMENT DEPARTMENT

SIGNALIZATION GENERAL NOTES AND QUANTITIES

PASCO COUNTY, FLORIDA

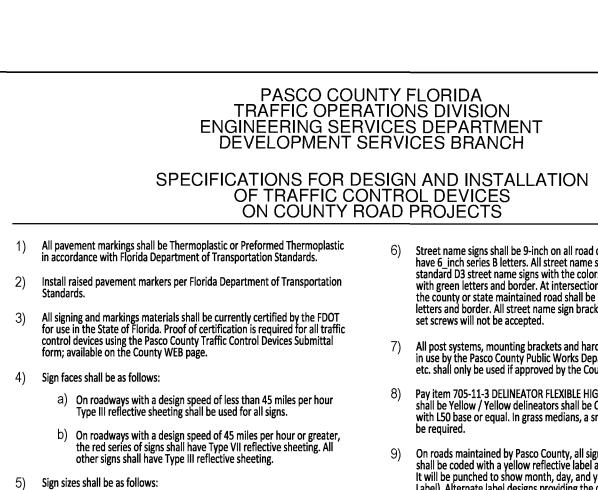
PASCO COUNTY FIRE & RESCUE STATION NO. 12

SHEET

12003

CA # 00009572

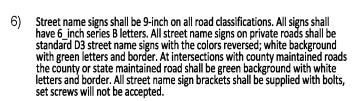
PAUL A. MANUEL, P.E P.E. NO. 51424



a) On roadways with a design speed of less than 45 miles per hour all signs shall be standard size as specified by the Manual on Uniform Traffic Control Devices latest edition.

On roadways with a design speed of 45 miles per hour or greater regulatory and warning signs shall be expressway size as specified by the Manual on Uniform Traffic Control Devices latest edition.

NORMAL CHANGE TO EMERGENCY CHANGE TO OPERATION EMERGENCY PRE-EMPTION PRE-EMPTION NORMAL OPERATION RELEASE

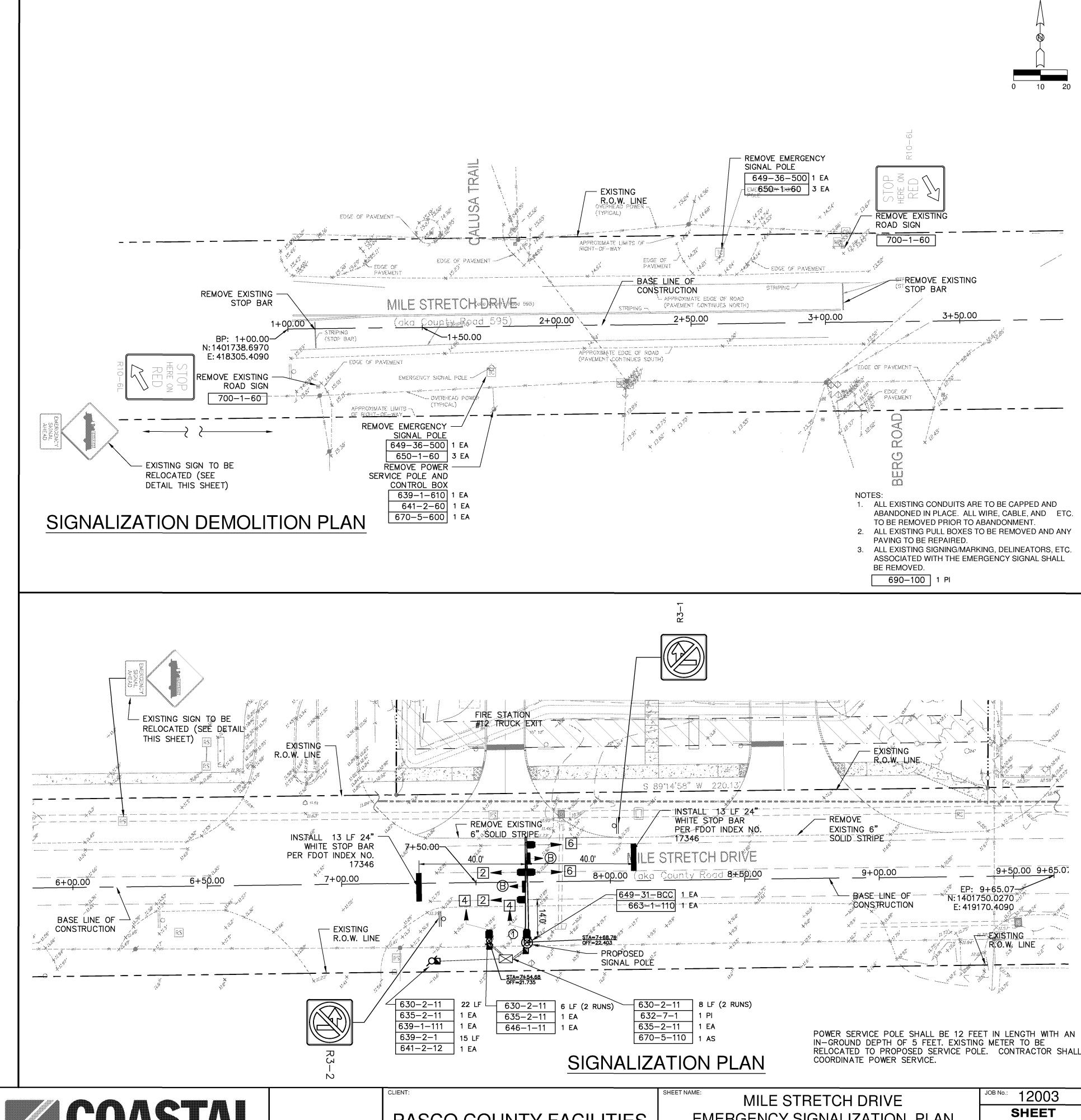


- All post systems, mounting brackets and hardware shall be of a type currently in use by the Pasco County Public Works Department. Alternative systems, etc. shall only be used if approved by the County Engineer.
- 8) Pay item 705-11-3 DELINEATOR FLEXIBLE HIGH VISIBILITY MEDIAN shall be Yellow / Yellow delineators shall be Cloverleaf Corp. Model L104 with L50 base or equal. In grass medians, a small concrete foundation shall be required.
- On roads maintained by Pasco County, all sign other than street name signs shall be coded with a yellow reflective label affixed to the back of the sign. It will be punched to show month, day, and year of installation (See Sample Label). Alternate label designs providing the date code information may be used if a sample is submitted and approved by Pasco County prior to

Sample Label: size 2" x 4"

2,6	OPERATION FLASHING YELLO	W YELLOW	RED RED		NG YELLOW	6	4		
4	FLASHING RED	FLASHING RED	GREEN	YELLOW FLASH	NG RED		R FLASHING		
		POLE TOP	OF			STEADY	Y STEADY	NOTE: THERE IS A PROPOSED SIGNAL HEAD 4	
		POLE GROUND FOUND	DATION STATION OF EV.	FSET		FLASHING	STEADY 3-SECT., 1-WAY	TO BE ATTACHED UPRIGHT DIRECTLY TO THE PROPOSED SIGNAL	
	L_ STATION	1	L L	<u> </u>		3-SECT., 1-WAY 12" LED 650-1-14 4 A	12" LED	POLE.	
	Г	CONTROLLER T	·	_	R OPERATIONS:	<u> </u>	<u> </u>		
		MOVEMENT NUMBER MOVEMENT	2 4 6 EB SB WB	1. MAJOR	STREET IS MILE	STRETCH DRIVE,			
		MINIMUM GREEN (INITIAL) EXTENSION (PASSAGE)	N/A 60 N/A N/A 30 N/A	STATION	#12.				
		MAXIMUM GREEN I MAXIMUM GREEN II	N/A 120 N/A N/A N/A N/A	PRE-EM	ITROLLER SHALI PTION OPERATIN	L BE WIRED TO OPERATE NG PLAN NO. 1 AS SHOWN.			
		YELLOW CLEARANCE RED CLEARANCE PEDESTRIAN WALK	4.7 3.2 4.7 2.0 N/A 2.0 N/A N/A N/A	☐ NOR	MAL ATION	EMERGENCY PRE-EMPTION			
		PEDESTRIAN CLEAR RECALL	N/A N/A N/A N/A N/A N/A		_	↓ ⊢			
	<u> </u>	FLASHING OPERATION AL TIMINGS ARE INITIAL AND MA	YELLOW RED YELLO Y REQUIRE FIELD ADJUSTI		>				
			.						
		W11-8 (36"x36")	>	EMERGENCY SIGNAL					
		W11-12P	_)–13 (36"x24")					
		W11-12P (24"x18") (24"x18") (24"x18")	RE	KISTING (TO TO BE ELOCATED FROM					
		(A) 700-1-50 EXISTING]2 AS EX	(ISTING SIGNAL)					
		(TO BE RELOCATI	ED)						
						FIRE STATION #12			
						TRUCK EXIT		,	,
	/				/				
			\					252'	`
							\ -	250'/	
									∮ (A)
					TRETCH DRI .R. 595)	VE B			
						B ←			
A			250'		_	0			
									
								NOTE:	
					10 01011	4B)/4N OED D: 4 CE:	AENT COURTS	NOTE: WARNING SIGN LOCATIONS MAY BE FIELD A TO AVOID CONFLICTS WITH EXISTING SIGNS. ADVANCED WARNING SIGNS MUST MAINTAIN 250' FROM THE STOP BAR.	DJUSTED
		\		WARNIN	NG SIGN	ADVANCED PLACEN	MENT SCHEMATIC	ADVANCED WARNING SIGNS MUST MAINTAIN 250' FROM THE STOP BAR.	A MIN.

N.T.S.



CHK'D BY: REV. BY REV. NO. REVISION

CA # 00009572

REUSE OF DOCUMENT
THIS DOCUMENT, COMPRISED OF THE

THE PROPERTY OF COASTAL DESIGN

CONSULTANTS. AND IS NOT TO BE USED, IN

WHOLE OR IN PART FOR ANY OTHER

PURPOSE WITHOUT THE WRITTEN

CONSULTANTS.

AUTHORIZATION OF COASTAL DESIGN

PASCO COUNTY FACILITIES MANAGEMENT DEPARTMENT TASK # FM 12-002

PAUL A. MANUEL, P.I P.E. NO. 51424

EMERGENCY SIGNALIZATION PLAN

PASCO COUNTY FIRE & RESCUE STATION NO. 12 PASCO COUNTY, FLORIDA

T2.0

FINISHING REQUIREMENTS:

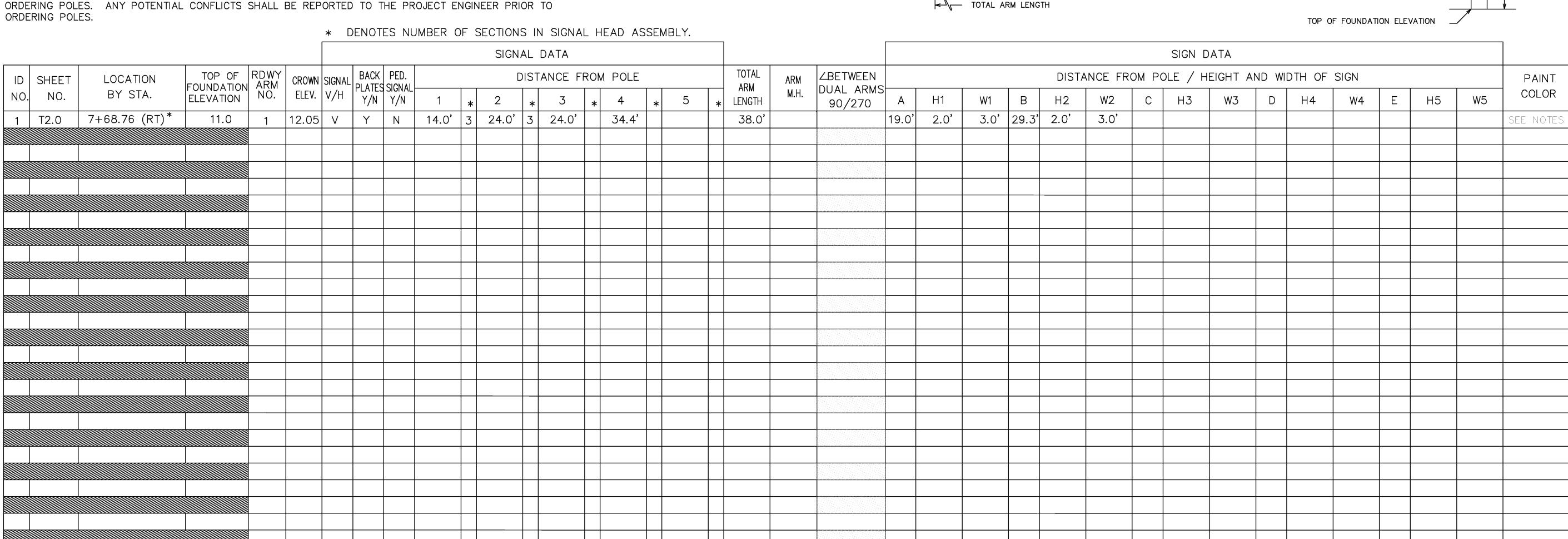
- A. THE FINISH TOP COATING SHALL BE APPLIED UNDER CONTROLLED FACTORY CONDITIONS WITHIN 12 HOURS OF THE HOT-DIP GALVANIZING PROCESS. PROPOSED COATING TECHNIQUES MUST BE SUBMITTED TO THE MAINTAINING AGENCY FOR APPROVAL AND BE ACCOMPANIED BY THE WRITTEN WARRANTY FOR THE PROPOSED TOP COATING PROCESS.
- B. THE MAST ARM FINISH COAT SHALL BE 3 MILLS MINIMUM (DRY FILM THICKNESS). CONTACT MAINTAINING AGENCY FOR PAINT COLOR AND TYPE.
- C. ONE GALLON OF TOUCH-UP PAINT SHALL BE FURNISHED TO THE MAINTAINING AGENCY.

SPECIAL REQUIREMENTS:

- A. EACH POLE AND MAST ARM SHALL BE IDENTIFIED WITH A PERMANENT ONE INCH (1") HIGH ENGRAVED OR IMPRESSED MARK WHICH BEARS THE IDENTIFICATION NUMBER SHOWN ON THE PLANS. ALL ADDITIONAL POLE HARDWARE SHALL BE TAGGED WITH THE CORRESPONDING POLE IDENTIFICATION NUMBER.
- B. PAINTED ANCHOR BOLT COVERS SHALL BE GALVANIZED STEEL OR CAST ALUMINUM AND SHALL BE SECURED BY A MINIMUM OF TWO (2) THREADED FASTENERS. THE BOLT COVERS SHALL BE OF SUFFICIENT SIZE SO THAT THERE IS NO GAP BETWEEN ITSELF AND THE POLE SHAFT.

CONTRACTOR RESPONSIBILITY

- A. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE ELEVATION PRIOR TO POLE MANUFACTURING.
- B. CONTRACTOR SHALL ALSO INSURE THAT TOP OF POLE FOUNDATION WILL NOT BE INSTALLED BELOW NATURAL GROUND LEVEL. CONTRACTOR IS DIRECTED TO THE FACT THAT THE TOP OF THE FOUNDATION WILL BE LOCATED APPROXIMATELY 9 INCHES ABOVE GRADE.
- C. THE CONTRACTOR SHALL CONFIRM THE ABSENCE OF UTILITY CONFLICTS AT EACH POLE LOCATION PRIOR TO ORDERING POLES. ANY POTENTIAL CONFLICTS SHALL BE REPORTED TO THE PROJECT ENGINEER PRIOR TO



* POLE LOCATION IS STATIONED OFF THE MILE STRETCH DRIVE BASELINE.

REUSE OF DOCUMENT	BY: CHK'D BY:	DRAWN BY:		DATE:
THIS DOCUMENT, COMPRISED OF THE	D. REVISION	REV. NO.	REV. BY	DATE
INCORPORATED IDEAS AND DESIGNS, AS A INSTRUMENT OF PROFESSIONAL SERVICE,				
THE PROPERTY OF COASTAL DESIGN				
CONSULTANTS. AND IS NOT TO BE USED, I				
WHOLE OR IN PART FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN				
AUTHORIZATION OF COASTAL DESIGN				
CONSULTANTS.				



CA # 00009572

	İ
PASCO COUNTY FACILITIES	
MANAGEMENT DEPARTMENT	PR
TASK # FM 12-002	l '

ES	
=NIT	PROJECT NAME:
_	PASCO

ARM #1-SINGLE ARM

MAST ARM TABULATION

SHEET

JOB No.: 12003

PASCO COUNTY FIRE & RESCUE STATION NO. 12 PASCO COUNTY, FLORIDA

MOUNTING

(ARM M.H.)

	STANDARD MAST ARM ASSEMBLIES DESIGN TABLE																		
(1		FIRST ARM		SECOND ARM				UF	1.1	POLE				SPECIAL DRILLED SHAFT DATA ⁽⁴⁾					
ID NUMBERS	ASSEMBLY ' NUMBERS	ARM TYPE			ARM FAA ⁽² TYPE (ft.)		FBA (2) (in.)	(deg)	LL (deg)	POLE TYPE	UAA (3) (ft.)	UB (ft.)	UCA ⁽³⁾ (in.)	DA (ft.)	DB (ft.)	RA	RB	RC	RĐ
														14	5.0	11	18	16	8

TABLE NOTES:

(1) Assembly Number Legend
Single Arm:
Arm Type - Pole Type= E# - T#
= D# - S#

Double Arm:
First Arm Type — Second Arm Type — Pole Type = E# — E# — T# = D# — D# — S#

- (2) If an entry appears in columns "FAA" and "FBA", a shorter arm is required. This is obtained by removing length from the arm tip. For these cases the mast arm length shall be shortened from "FA" to "FAA" and the tip diameter shall be increased from "FB" to "FBA".
- (3) If an entry appears in columns "UAA" and "UCA", a shorter pole is required.

 This is obtained by removing length from the pole tip. For these cases the pole height shall be shortened from "UA" to "UAA" and the pole tip diameter shall be increased from "UC" to "UCA".
- (4) The foundations for Mast Arm Assemblies are designed based upon the soil criteria:
 Classification = Cohesionless
 Friction angle = 30 degrees
 Soil Unit weight = 47.6 pcf (assumed saturated)

The contractor should anticipate the need for temporary casing to prevent collapse of the sandy soils during the shaft excavation process.

GENERAL NOTES:

- (1) Work this sheet with the Signal Designer's "Mast Arm Tabulation".
- (2) Work this sheet with Design Standards Index Nos. 17743 and 17745 as necessary.
- (3) Design Wind Speed = 130 mph.

CLIENT:

(4) This sheet is for construction of a drilled shaft only. The drilled shaft is designed for the following AASHTO LTS—5 loadings:

Mx = 160.2 kip-ft Vx = 0.7 kip My = 269.1 kip-ft A = 6.6 kip Mz = 121.8 kip-ft Vz = 8.4 kip

T.E.Slaughter,Jr.,P.E. Registration Number 38833 MAP ENGINEERING CO. 550 N. REO STREET TAMPA, FL 33609 C.A. 6772

DATE: DRAWN BY: CHK'D BY:

DATE REV. BY REV. NO. REVISION

REUSE OF DOCUMENT
THIS DOCUMENT, COMPRISED OF THE
INCORPORATED IDEAS AND DESIGNS, AS AN
INSTRUMENT OF PROFESSIONAL SERVICE, IS
THE PROPERTY OF COASTAL DESIGN
CONSULTANTS. AND IS NOT TO BE USED, IN
WHOLE OR IN PART FOR ANY OTHER
PURPOSE WITHOUT THE WRITTEN
AUTHORIZATION OF COASTAL DESIGN
CONSULTANTS.



CA # 00009572

PASCO COUNTY FACILITIES	
MANAGEMENT DEPARTMENT	Р
TASK # FM 12-002	

EET NAME:	TABLE OF VARIABLES
STA	NDARD MAST ARM ASSEMBLY
O IECT NAME.	

PASCO COUNTY, FLORIDA

PROJECT NAME:

PASCO COUNTY FIRE & RESCUE STATION NO. 12

T4.0

12003

SHEET