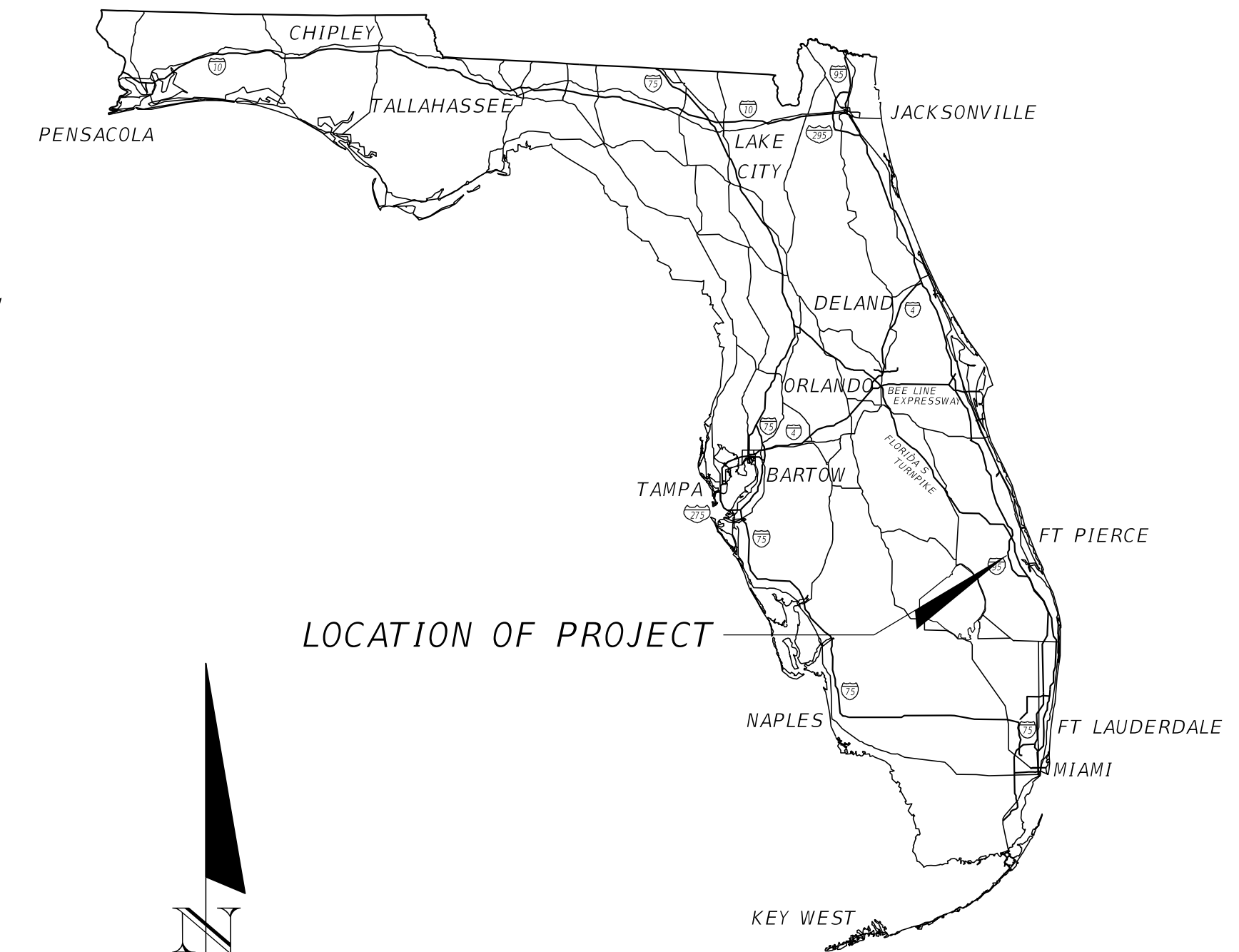


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OFF-SITE ROADWAY CONTRACT PLANS
CITY OF PORT ST. LUCIE, FL
FERNLAKE DRIVE IMPROVEMENTS
 AT
TRADITION
 PREPARED FOR
MATTAMY PALM BEACH, LLC

2500 QUANTUM LAKE DRIVE,
 SUITE 215
 BOYTON BEACH, FL 33426



ROADWAY SHOP DRAWINGS
 TO BE SUBMITTED TO:
 ERIC J. KLEIER, P.E.
 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24th STREET, SUITE 200
 VERO BEACH, FL 32960
 (772) 794-4100

PLANS PREPARED BY:
Kimley»Horn
 445 24th STREET, SUITE 200
 VERO BEACH, FL 32960
 (772) 794-4100
 PROJECT NUMBER: 147641014
 REGISTRY NO.: 35106

NOTE: THE SCALE OF THESE PLANS MAY
 HAVE CHANGED DUE TO REPRODUCTION.
 GOVERNING STANDARDS AND SPECIFICATIONS:
 PSLUSD 2019 STANDARDS AND SPECIFICATIONS,
 EFFECTIVE DATE OF 01/01/2019 AND THE PSLUSD
 STANDARD DETAILS, EFFECTIVE DATE 01/01/2020;
 FLORIDA DEPARTMENT OF TRANSPORTATION,
 FY 2024-25 STANDARD PLANS,
 AND STANDARD SPECIFICATIONS FOR ROAD AND
 BRIDGE CONSTRUCTION DATED 2024.
 AS AMENDED BY CONTRACT DOCUMENTS.

ALL ELEVATIONS HERE ON AND B.M. DATA ARE NORTH
 AMERICAN VERTICAL DATUM OF 1988 (NAVD-88)

THE PUBLIC ROADWAYS INDICATED IN THESE
 PLANS HAVE BEEN DESIGNED IN ACCORDANCE
 WITH FDOT DESIGN STANDARDS.

SUBMITTAL

ROADWAY PLANS
 ENGINEER OF RECORD: ERIC J. KLEIER

P.E. NO.: 64076

CALL 2 BUSINESS DAYS
 BEFORE YOU DIG
811
 IT'S THE LAW!
 DIAL 811 Know what's below.
 Call before you dig.
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

FISCAL YEAR	SHEET NO.
	1

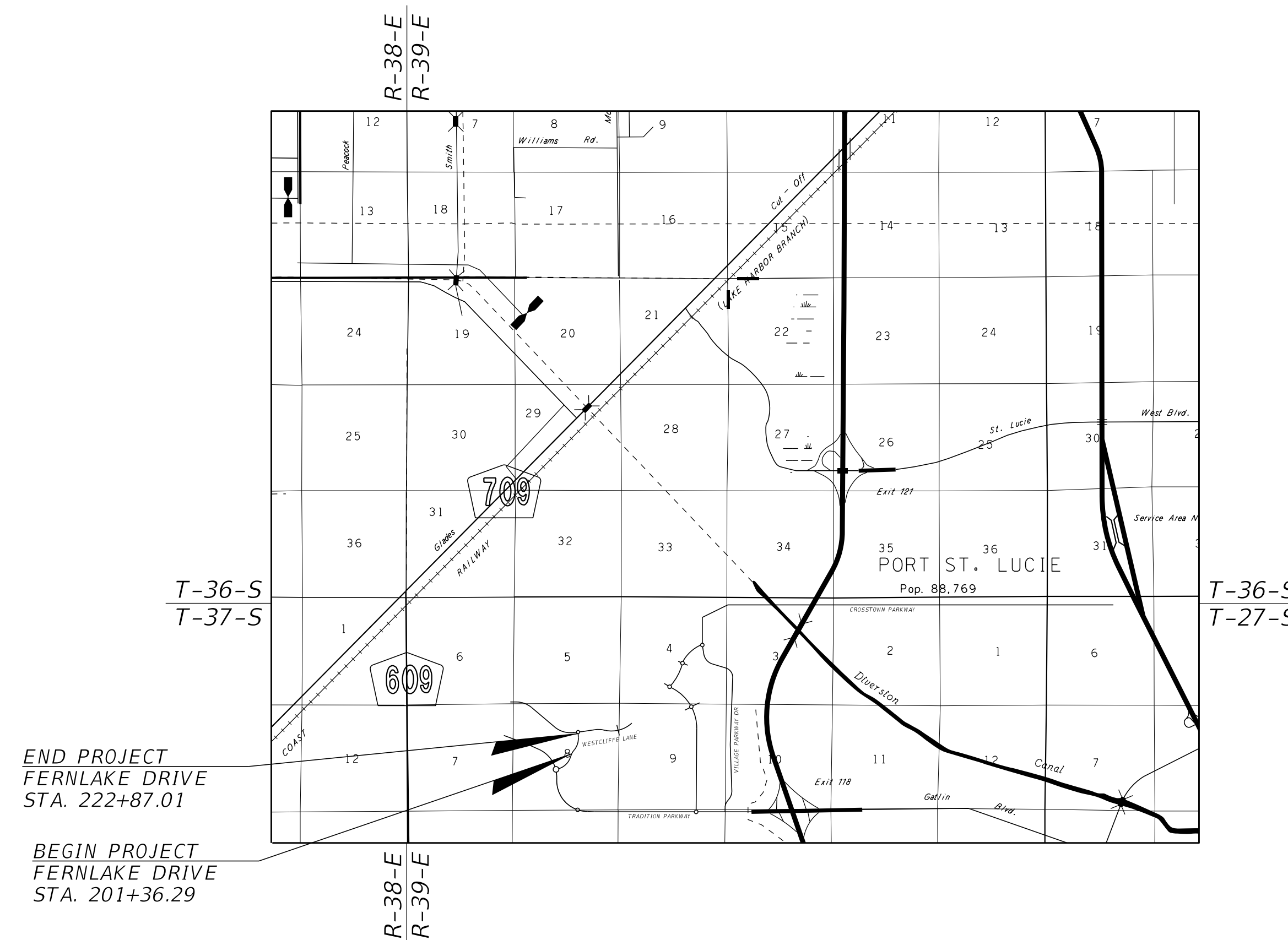
LIST OF CONTACTS

PLANNING/ZONING
 CITY OF PORT ST. LUCIE
 121 SW PORT ST. LUCIE BLVD
 PORT ST. LUCIE, FL 34984
 (772) 871-5212

FIRE CHIEF
 ST. LUCIE COUNTY FIRE DEPT.
 5160 NW MILNER DRIVE
 PORT ST. LUCIE, FL 34983
 (772) 621-3400

STORMWATER
 GLEN GAREAU
 SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 3301 GUN CLUB ROAD
 WEST PALM BEACH, FL 33406
 (561) 686-8800

ENGINEERING
 COLT SCHWEROT
 CITY OF PORT ST. LUCIE
 121 SW PORT ST. LUCIE BLVD
 PORT ST. LUCIE, FL 34984
 (772) 871-5100



END PROJECT
 FERNLAKE DRIVE
 STA. 222+87.01

BEGIN PROJECT
 FERNLAKE DRIVE
 STA. 201+36.29

LEGAL DESCRIPTION:
 KNOW ALL MEN BY THESE PRESENTS THAT MATTAMY PALM BEACH LLC, A DELAWARE LIMITED LIABILITY COMPANY, OWNER OF THE LAND SHOWN HEREON AS
 "TRADITION 4 BRYNLE", BEING A REPLAT OF PARCEL 4A, TRADITION 4, AS RECORDED IN PLAT BOOK 113 PAGE 3, OF THE PUBLIC RECORDS OF ST. LUCIE
 COUNTY, FLORIDA LYING IN SECTION 8 TOWNSHIP 37 SOUTH, RANGE 39 EAST, CITY OF PORT ST. LUCIE, ST. LUCIE COUNTY, FLORIDA, BEING MORE
 PARTICULARLY DESCRIBED AS FOLLOWS:

PARCEL 4A, TRADITION 4, AS RECORDED IN PLAT BOOK 113 PAGE 3, OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.

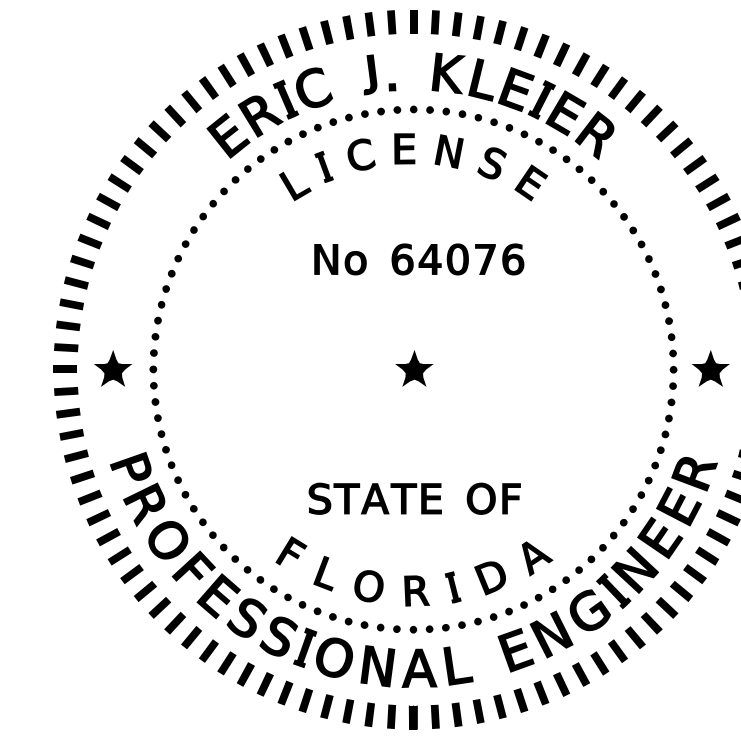
TOGETHER WITH A PORTION OF FERNLAKE DRIVE, AN 80 FOOT WIDE RIGHT-OF-WAY AS RECORDED IN OFFICIAL RECORDS BOOK 3071, PAGE 2612 (TRACT
 R-46), PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA, LYING IN THE CITY OF PORT ST. LUCIE ST. LUCIE COUNTY, FLORIDA AND BEING MORE PARTICULARLY
 DESCRIBED AS FOLLOWS:

BEGIN AT THE NORTHWEST CORNER OF TRACT R-46 (EXHIBIT "G") AS RECORDED IN OFFICIAL RECORDS BOOK 1178, PAGE 2311 AND OFFICIAL RECORDS BOOK
 3071, PAGE 2612, PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA; THENCE ALONG THE NORTHERLY LINE OF SAID TRACT R-46, NORTH 86°45'11" EAST, A
 DISTANCE OF 80.00 FEET TO THE EASTERLY LINE OF SAID TRACT R-46, SOUTH 03°14'49" EAST, A DISTANCE OF 137.21 FEET TO A POINT OF CURVE TO THE
 RIGHT HAVING A RADIUS OF 940.00 FEET, A CENTRAL ANGLE OF 39°56'11"; THENCE SOUTHERLY ALONG THE ARC A DISTANCE OF 655.20 FEET; THENCE
 SOUTH 38°41'22" WEST, A DISTANCE OF 106.79 FEET TO A POINT OF CURVE TO THE LEFT HAVING A RADIUS OF 970.00 FEET, A CENTRAL ANGLE OF
 04°58'01"; THENCE SOUTHERLY ALONG THE ARC A DISTANCE OF 75.42 FEET; THENCE NORTH 51°55'07" WEST, A DISTANCE OF 80.45 FEET TO THE
 INTERSECTION WITH A NON TANGENT CURVE CONCAVE TO THE RIGHT, HAVING A RADIUS OF 950.00 FEET, THE CHORD OF WHICH BEARS NORTH
 34°28'29" EAST, 73.43 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE, A DISTANCE OF 73.44 FEET THROUGH A CENTRAL ANGLE OF
 04°25'46"; THENCE NORTH 36°41'22" EAST, A DISTANCE OF 106.79 FEET TO A POINT OF CURVE TO THE LEFT HAVING A RADIUS OF 860.00 FEET, A
 CENTRAL ANGLE OF 39°56'11"; THENCE NORTHERLY ALONG THE ARC A DISTANCE OF 599.44 FEET; THENCE NORTH 03°14'49" WEST, A DISTANCE OF 137.21
 FEET TO THE POINT OF BEGINNING.

CONTAINING 80.539 ACRES, MORE OR LESS

SAID LANDS SITUATE IN THE CITY OF PORT ST. LUCIE, ST. LUCIE COUNTY, FLORIDA.
 SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS, COVENANTS, AND RIGHTS-OF-WAY OF RECORD.

CITY OF PORT ST. LUCIE
P22-277
PSLUSD NO. 5429B



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

ERIC J. KLEIER, P.E.
 P.E. LICENSE NUMBER 64076
 445 24th STREET, SUITE 200
 VERO BEACH, FL 32960
 (772) 794-4100
 REGISTRY NO.: 35106

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH 61G15-23.004, F.A.C.

FERRLAKE DRIVE
 ROADWAY IMPROVEMENT PROJECT

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8/13/2024	Palmer.Stocks				

Kimley»Horn

ERIC J. KLEIER, P.E.
 P.E. LICENSE NUMBER 64076
 445 24th STREET, SUITE 200
 VERO BEACH, FL 32960
 (772) 794-4100
 REGISTRY No. 35106

**MATTAMY
 PALM BEACH, LLC
 FERRLAKE DRIVE
 ROADWAY IMPROVEMENTS**

SIGNATURE SHEET

PSLUSD # 5429B
 CITY OF PSL # P22-277

SHEET NO.

2

GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL RELATIVE CITY OF PORT ST. LUCIE, FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2024, FY 2024-25 STANDARD PLANS AND FDEP REGULATIONS, EXCEPT AS MODIFIED HEREIN. ALL ELEVATIONS HERE ON AND B.M. DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD - '88). IF THE NOTES ON THIS PAGE DIFFER FROM THE PS-USD STANDARDS, THE MORE STRINGENT SHALL APPLY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, NOC'S AND INSURANCE REQUIRED FOR THE WORK.
- CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION OF THE SITE PRIOR TO THE BEGINNING OF THE WORK. CONTRACTOR SHALL INFORM THE OWNER, COMPANY REPRESENTATIVE, CEC, UTILITY AUTHORITY AND INTERESTED AGENCIES AT LEAST 48 HOURS PRIOR TO THE SCHEDULED INSPECTION.
- THE LOCATION OF UTILITIES SHOWN ON THE DRAWINGS ARE FROM THE SURVEY PROVIDED BY CAUFIELD & WHEELER, INC. ON APRIL 16, 2019 (NAVD 88). IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM, IN THE FIELD, THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO CONTINUING CONSTRUCTION.
- CONTRACTOR SHALL LOCATE, VERIFY AND IDENTIFY ALL EXISTING UNDERGROUND UTILITIES SHOWN, OR NOT SHOWN, ON THE PLANS PRIOR TO ANY EXCAVATING ACTIVITIES.
- CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT EXISTING AND NEWLY CONSTRUCTED UTILITIES DURING THE CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESPONSIBLE UTILITY COMPANY AND THE ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS.
- CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WITH OTHER WORK WHICH MAY BE ONGOING ADJACENT TO, OR AFFECTING, THIS CONSTRUCTION. CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AND ALL AFFECTED UTILITY COMPANIES.
- CONTRACTOR SHALL NOTIFY ALL APPLICABLE UTILITY COMPANIES AND THE ENGINEER 48 HOURS PRIOR TO THE INITIATING OF ANY EXCAVATION ACTIVITIES, OR AS SPECIFIED BY THE UTILITY COMPANY AND ANY PERMITS REQUIRED FOR THE WORK.
- CONTRACTOR SHALL PROTECT EXISTING SURVEY MARKERS, MONUMENTS, ETC. DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE/REPLACE ANY SURVEY MARKERS DAMAGED DURING CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL/DISPOSAL OF ANY UNSUITABLE MATERIAL FROM THE CONSTRUCTION OPERATION, FURNISHING AND COMPACTING SUITABLE REPLACEMENT BACKFILL MATERIAL. DISPOSAL OF UNSUITABLE MATERIAL SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- CONSTRUCTION WARNING SIGNS SHALL BE MOUNTED AND ERECTED BEFORE CONSTRUCTION CAN COMMENCE. THESE, AND ALL TRAFFIC CONTROL DEVICES, SHALL FOLLOW THE STANDARDS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC DEVICES (MUTCD) AND FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEX.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARLY IDENTIFYING THE AREA OF CONSTRUCTION AND SAFELY ROUTING ALL VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE CONSTRUCTION AREA. THE CONSTRUCTION AREA SHALL BE CLEARLY MARKED AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE EROSION AND TURBIDITY CONTROLS IN ACCORDANCE WITH FDEP DURING AND FOLLOWING CONSTRUCTION, UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED TO AVOID ADVERSE ENVIRONMENTAL IMPACTS TO OFF-SITE PROPERTY AND DRAINAGE SYSTEMS.
- CONTRACTOR SHALL HYDRO SEED AND MULCH (OR SOD AS APPLICABLE) ALL AREAS DISTURBED BY THE CONSTRUCTION OF THIS PROJECT ACCORDING TO LOCAL REGULATIONS.
- CONTRACTOR SHALL MAINTAIN "AS-BUILT" INFORMATION ON A REGULAR BASIS. CONTRACTOR SHALL EMPLOY THE SERVICES OF A SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO DETERMINE ALL "AS-BUILT" INFORMATION. WITHIN 14 DAYS OF THE COMPLETION OF THE WORK, CONTRACTOR SHALL PROVIDE SIGNED AND SEALED COPIES AND THE DIGITAL CAD FILE OF THE "AS-BUILT" DRAWINGS AND SUPPORTING SURVEY RECORDS TO THE ENGINEER. "AS-BUILT" DRAWINGS ARE TO BE IN ACCORDANCE WITH THE CITY OF PORT ST. LUCIE REQUIREMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PRODUCE, AS-BUILT DRAWINGS FOR ANY JURISDICTIONAL AGENCIES AS MAY BE REQUIRED FOR PROJECT CERTIFICATION.
- CONTRACTOR SHALL GIVE THE ENGINEER A MINIMUM OF 48 HOURS NOTICE OF ALL MEETINGS OR TESTING MEASURES REQUIRED TO BE WITNESSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THE WORK.
- THE CONTRACTOR SHALL SUBMIT FIVE (5) SETS OF STANDARD SHOP DRAWINGS AND MANUFACTURERS CATALOGS WITH THE MODEL NUMBER OR TYPE OF THE ITEM ENCIRCLED OR OTHERWISE DESIGNATED. THE SUBMITTALS SHALL BEAR THE APPROVAL OF THE UNDERGROUND UTILITY CONTRACTOR. ALL UTILITY SHOP DRAWINGS WILL NEED TO BE APPROVED BY THE ENGINEER OF RECORD AND CITY OF PORT ST. LUCIE PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL SUBMIT FIVE (5) SETS OF COMPLETE DETAILED SHOP DRAWINGS FOR ALL SANITARY MANHOLES, WET WELLS, OTHER CASTINGS, AND PUMPS. THE SUBMITTALS SHALL BEAR THE APPROVAL OF THE UNDERGROUND UTILITY CONTRACTOR ON EACH SHEET. A COMPLETE SET OF THE LIFT STATION ELECTRICAL SHOP DRAWINGS IS ALSO REQUIRED IF APPLICABLE. ALL UTILITY SHOP DRAWINGS WILL NEED TO BE APPROVED BY THE ENGINEER OF RECORD AND CITY OF PORT ST. LUCIE PRIOR TO CONSTRUCTION.
- THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G).

GENERAL UTILITY NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT UTILITY STANDARDS MANUAL AND THE CITY OF PORT ST. LUCIE LAND DEVELOPMENT CODE, DETAILS AND SPECIFICATIONS, AS WELL AS ALL APPLICABLE STATE AND LOCAL REGULATIONS.
- IF SOLVENT CONTAMINATION IS FOUND IN ANY TRENCH, WORK WILL BE STOPPED AND THE CEC, OWNER, AND THE PROPER AUTHORITIES NOTIFIED. THE ST. LUCIE COUNTY HEALTH DEPARTMENT MAY GRANT APPROVAL OF THE USE OF DUCTILE IRON PIPE, FITTINGS AND APPROVED SOLVENT RESISTANT GASKET MATERIAL IN THE CONTAMINATED AREA. THIS APPROVAL MUST BE GRANTED IN WRITING AND PROVIDED TO CEC, AND PROPERTY OWNER. DUCTILE IRON PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY CONTAMINATED AREA.
- VERTICAL LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN AND PROFILE SHEETS HAVE BEEN ASSUMED. CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION NEAR EXISTING UTILITIES SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF THE LOCATION DIFFERS FROM THAT SHOWN BEFORE CONTINUING WITH THE CONSTRUCTION.
- UNUSABLE MATERIALS UNDER PROPOSED PIPING SHALL BE REMOVED AND REPLACED WITH SELECT BACKFILL, PROPERLY COMPACTED TO 98% OF MAXIMUM DENSITY PER AASHTO T-180.
- FITTINGS SHALL BE USED AT LOCATIONS INDICATED ON THE PLANS, UNLESS OTHERWISE APPROVED BY THE ENGINEER. THRUST BLOCKING SHALL BE USED WHERE REQUIRED BY THE CITY OF PORT ST. LUCIE.
- THE LENGTH OF TRENCH OPEN AT ANY ONE TIME SHALL BE CONTROLLED BY THE PARTICULAR SURROUNDING CONDITIONS, BUT SHALL BE LIMITED TO 300 LINEAR FEET UNLESS APPROVED BY THE ENGINEER IN WRITING.
- NO CONNECTIONS TO EXISTING POTABLE WATER SYSTEMS SHALL BE ALLOWED UNTIL ALL PROPOSED WATER LINES HAVE BEEN PRESSURE TESTED, DISINFECTED, CLEARED FOR SERVICE AND ACCEPTED BY THE CITY OF PORT ST. LUCIE AND FDEP.
- THE BACTERIOLOGICAL SAMPLE POINTS SHALL BE INDICATED IN RED ON THE "AS BUILT" DRAWINGS PRIOR TO THE REQUEST FOR A LETTER OF RELEASE TO PLACE THE CONSTRUCTION INTO SERVICE. THE SAMPLE NUMBERS WILL CORRESPOND TO THOSE ON THE BACTERIOLOGICAL SAMPLE LAB SHEETS.
- IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH THESE NOTES AND THE UTILITY STANDARDS MANUAL, THE MORE STRINGENT REQUIREMENTS APPLIES.

WATER / SEWER SEPARATION:

- SANITARY SEWERS (INCLUDING LATERALS), FORCE MAINS, AND STORM SEWERS SHALL CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS, FORCE MAINS AND STORM SEWERS CROSSING WATER MAINS SHALL BE INSTALLED TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE PIPES. MEASUREMENTS TO BE TAKEN FROM OUTSIDE OF EACH PIPE.
- A FULL, UN-CUT LENGTH OF WATER MAIN PIPE, AT LEAST 20 FEET IN LENGTH, SHALL BE CENTERED AT THE POINT OF CROSSING OF ALL WATER AND SEWER PIPING, REGARDLESS OF THE VERTICAL SEPARATION.
- WATER MAINS SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY FROM PIPES CARRYING RAW WASTEWATER, AND 10 FEET HORIZONTALLY FROM PIPES CARRYING RECLAIMED WATER. THE DISTANCE SHALL BE MEASURED FROM OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE. WATER MAINS SHALL BE LAID TO PROVIDE A SEPARATION OF AT LEAST 18 INCHES BETWEEN THE BOTTOM OF WATER MAIN AND THE TOP OF SEWER OR RECLAIMED WATER PIPE. WATER MAINS SHALL CROSS ABOVE SEWER OR RECLAIMED WATER PIPE WITH A VERTICAL SEPARATION OF AT LEAST 18 INCHES.

WASTEWATER COLLECTION SYSTEMS:

- MATERIALS AND INSTALLATION FOR WASTEWATER COLLECTION SYSTEM INCLUDING, BUT NOT LIMITED TO, GRAVITY SEWERS, MANHOLES, SERVICE LATERALS, FORCE MAINS, LIFT STATIONS, AND TESTING REQUIREMENTS SHALL CONFORM TO THE CITY OF PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT UTILITY STANDARDS MANUAL AND THE CITY OF PORT ST. LUCIE LAND DEVELOPMENT CODE AND ALL APPLICABLE FDEP REGULATIONS. ALL PVC GRAVITY SEWER SHALL BE SDR-26. FOR DEPTHS GREATER THAN 15, THE PIPE JOINTS AND FITTINGS SHALL MEET THE SPECIFICATIONS FOR PRESSURE MAINS.
- WYE GRAVITIES FOR LATERAL SERVICE SHALL BE SIX (6) INCHES I.D.
- PLUGS SHALL BE OF THE SAME MATERIAL AS THE PIPE, GASKETED, AND SHALL WITHSTAND THE REQUIRED TEST PRESSURE.
- LEAKAGE TEST SHALL BE IN ACCORDANCE WITH CITY OF PORT ST. LUCIE AND AWWA C-600, SECTION 5.2.

GENERAL SEPARATION NOTE:

- ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE)

WATER DISTRIBUTION SYSTEMS:

- MATERIALS AND INSTALLATION FOR WATER DISTRIBUTION SYSTEM INCLUDING, BUT NOT LIMITED TO, PIPE FITTINGS, VALVES, JOINT RESTRAINTS, FIRE HYDRANTS, SERVICE LINES, TESTING, AND DISINFECTION SHALL CONFORM TO THE CITY OF PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT UTILITY STANDARDS MANUAL AND THE CITY OF PORT ST. LUCIE LAND DEVELOPMENT CODE AND ALL APPLICABLE FDEP REGULATIONS. ALL PVC PIPE SHALL BE SDR-18 UNLESS SPECIFIED OTHERWISE.

WATER AND SEWER UTILITY NOTES:

- THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
- DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPE CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
- ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
- ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR PRIOR TO BACK FILLING.
- CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A HANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.

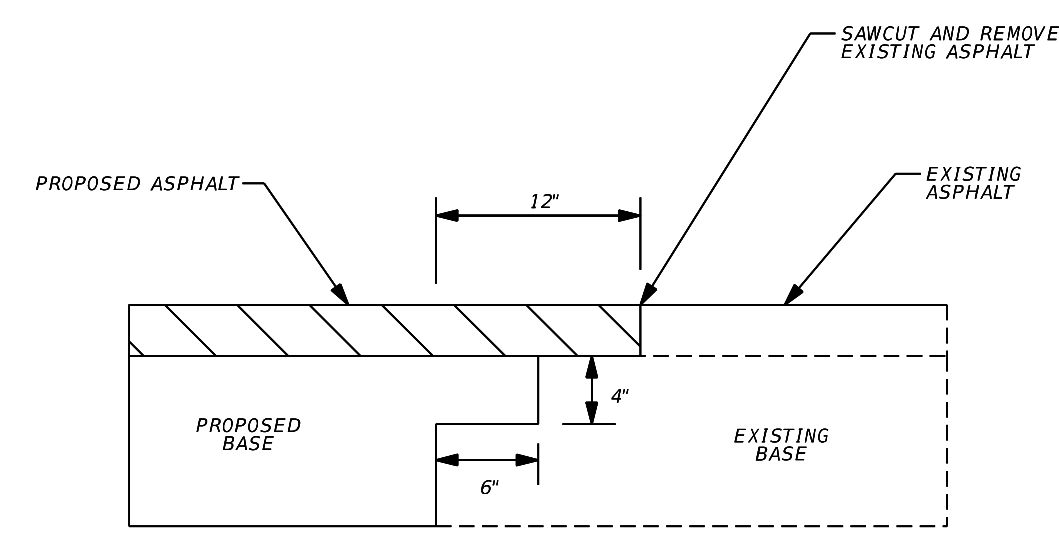
GENERAL STRIPING AND SIGNAGE NOTES:

- ALL STRIPING AND SIGNAGE SHALL BE IN ACCORDANCE WITH FDOT AND LATEST EDITION OF MUTCD.

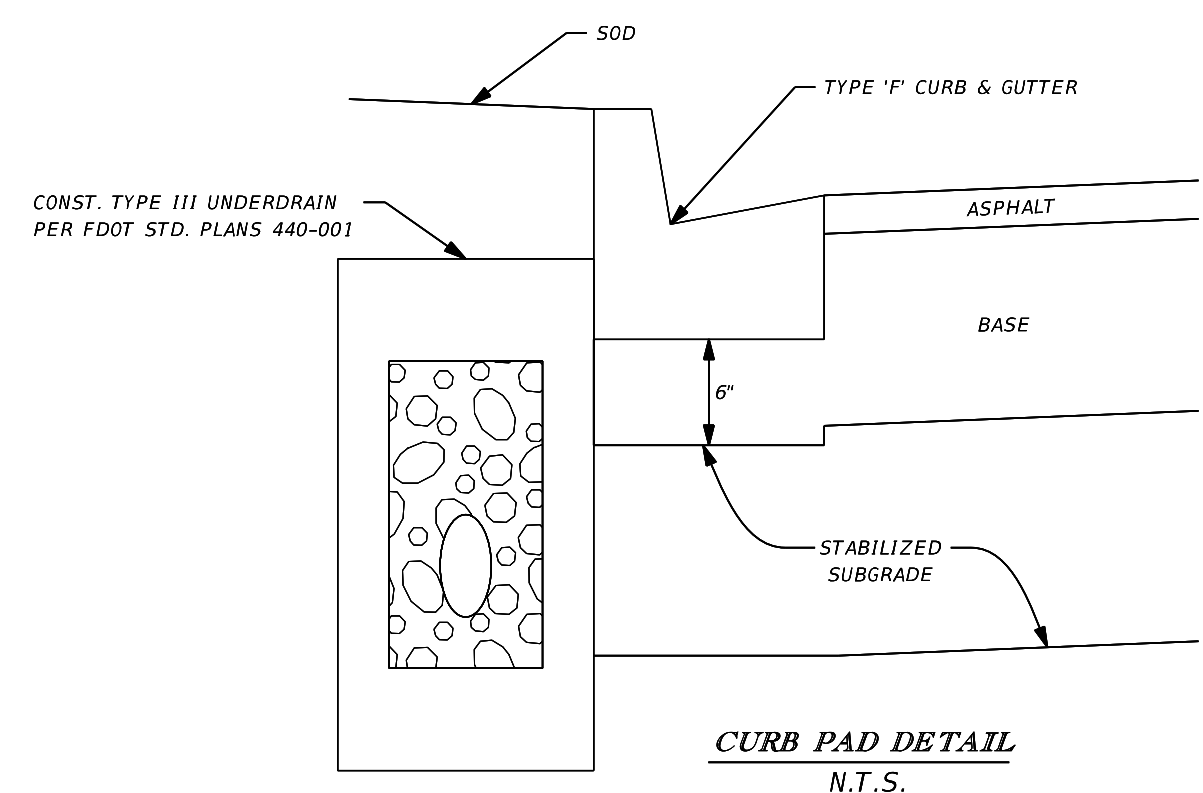
PAVING, GRADING AND DRAINAGE NOTES:

- THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (2024) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
- ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN CITY'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR CITY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL REGULATIONS.
- ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
- TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
- ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
- ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
- WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
- WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
- FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED OR SEEDDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SODDED OR SEEDDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.
- ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) : 1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
- SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
- THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
- THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
- THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL DEVELOPED DETAILED TRAFFIC CONTROL PLANS PER FDOT FY 2024-25 STANDARD PLANS 102-600 SERIES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING A DETAILED MAINTENANCE OF TRAFFIC PLAN TO THE CITY OF PORT ST. LUCIE TWO WEEKS PRIOR TO ANY CONSTRUCTION FOR APPROVAL.
- AT NO TIME SHALL THE CONTRACTOR CLOSE THE ROAD TO THROUGH TRAFFIC. ALL LANE CLOSURES MUST BE APPROVED BY THE CITY OF PORT ST. LUCIE TWO WEEKS PRIOR TO CLOSURE.
- THE CONTRACTOR SHALL CONTACT ALL AFFECTED PROPERTY OWNERS IN WRITING TWO WEEKS PRIOR TO CONSTRUCTION STARTING. THE CONTRACTOR MUST MAINTAIN ALL ENTRANCES AT ALL TIMES.
- PEDESTRIAN WALKWAYS MUST FOLLOW FDOT FY 2024-25 STANDARD PLANS 102-660.
- AT THE END OF EACH DAY, FDOT FY 2024-25 STANDARD PLANS 102-600 DROP OFF CONTROL MUST BE FOLLOWED.

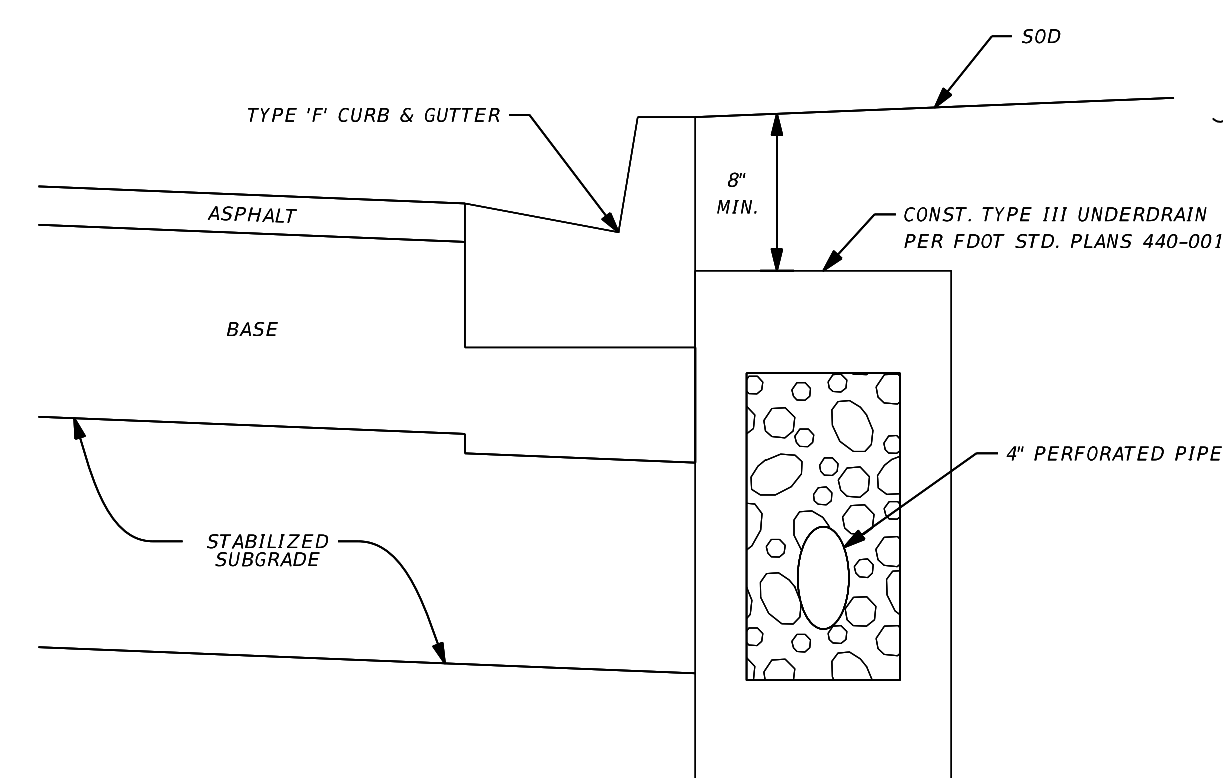
REVISIONS						 ERIC J. KLEIER, P.E. P.E. LICENSE NUMBER 64076 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106	MATTAMY PALM BEACH, LLC FERNLAKE DRIVE ROADWAY IMPROVEMENTS	GENERAL NOTES PSLUSD # 5429B CITY OF PSL # P22-277	SHEET NO. 3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
8/13/2024			8/13/2024						



LAP JOINT DETAIL
N.T.S.



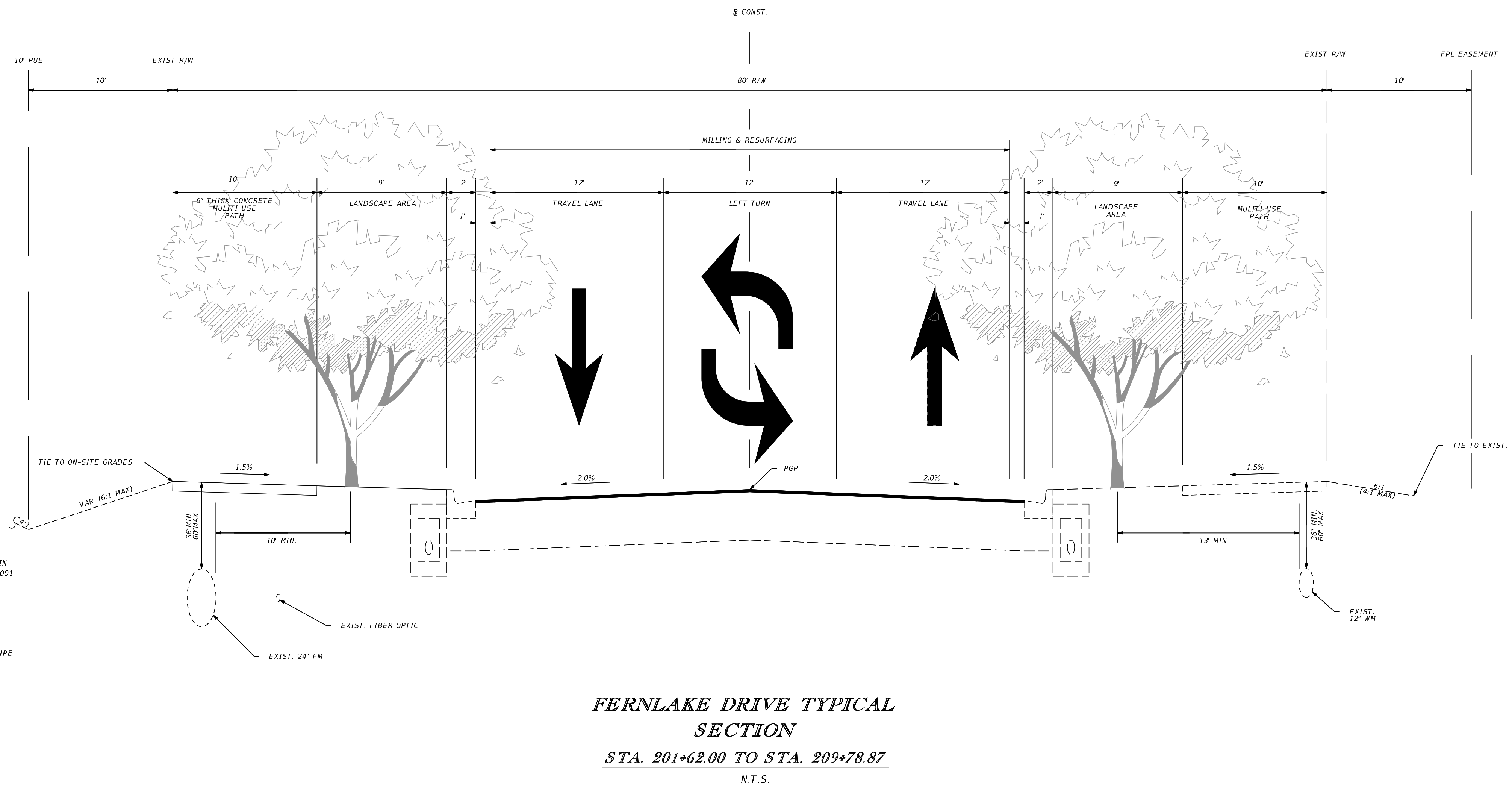
CURB PAD DETAIL
N.T.S.



TYPE III UNDERDRAIN DETAIL
N.T.S.

- NOTES:
- 1) TOP 8" OF CLEAN WELL DRAINED BACKFILL TO BE PLACED IN 2 LIFTS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180.
 - 2) THE 4" UNDERDRAIN TO BE TIED INTO PROPOSED DRAINAGE STRUCTURES USING 4" ADS PIPES AND FILLINGS OR APPROVED EQUAL.

POSTED SPEED = 30 MPH
DESIGN SPEED = 35 MPH



FERNLAKE DRIVE TYPICAL SECTION
STA. 201+62.00 TO STA. 209+78.87
N.T.S.

MILLING & RESURFACING
MILL EXIST. ASPHALT (1" AVG DEPTH)
TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC C) (1') SN (0.44)

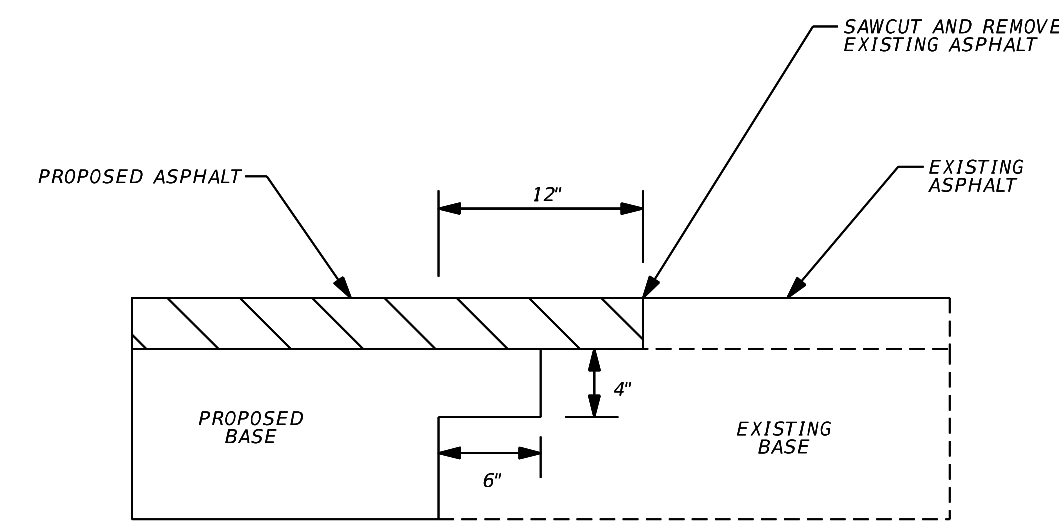
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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P.E. LICENSE NUMBER 64076
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(772) 794-4100
REGISTRY No. 35106

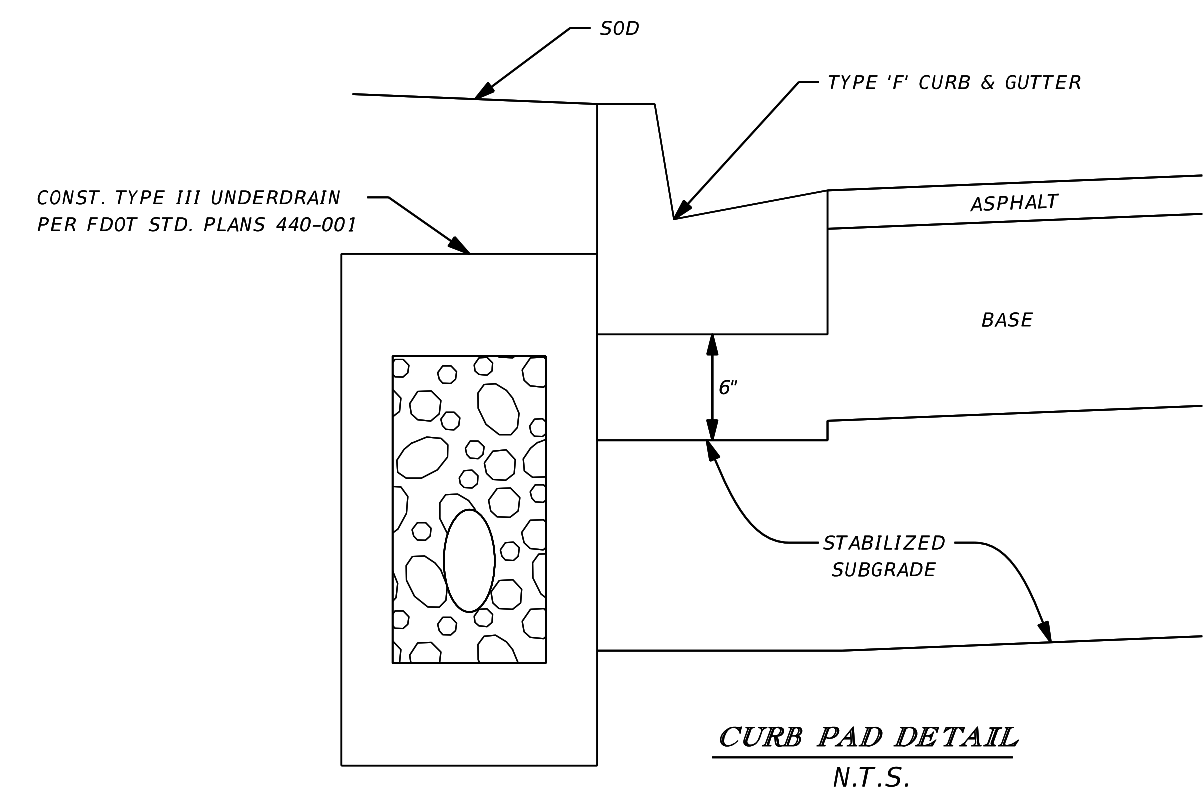
MATTAMY
PALM BEACH, LLC
FERNLAKE DRIVE
ROADWAY IMPROVEMENTS

TYPICAL SECTION
PSLUSD # 5429B
CITY OF PSL # P22-277

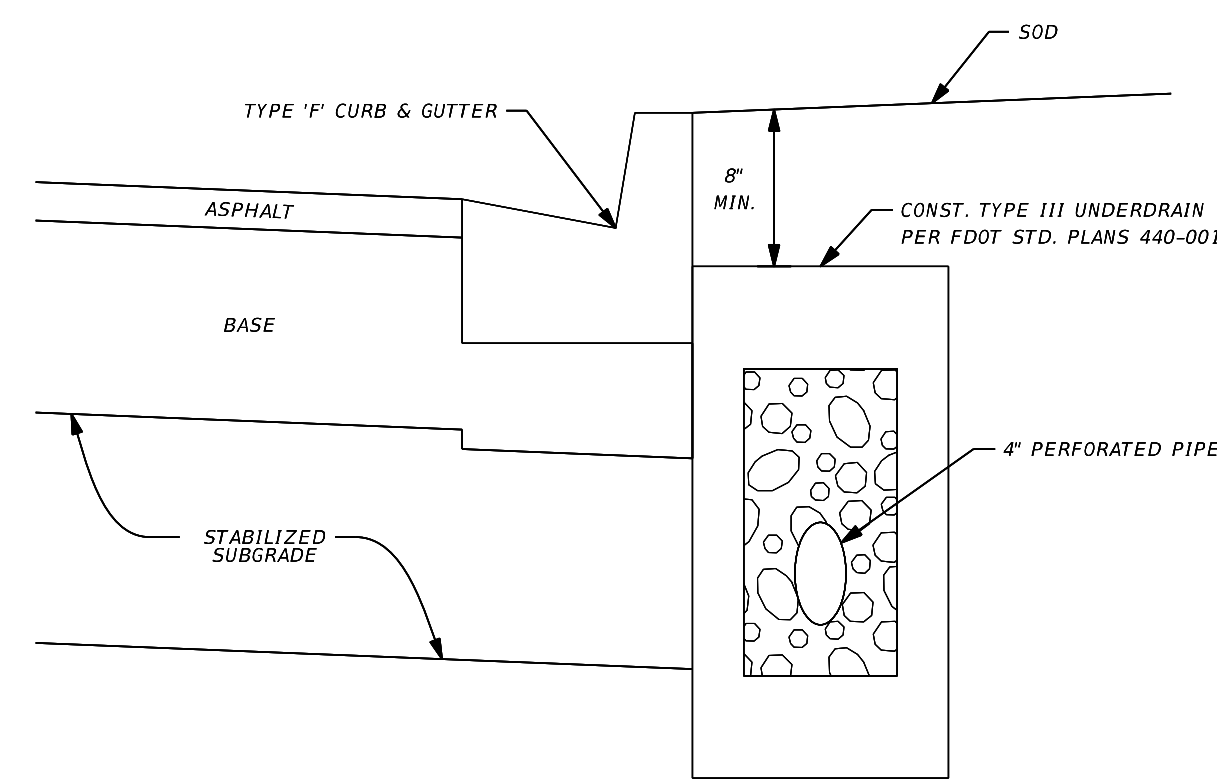
SHEET NO.
4



LAP JOINT DETAIL
N.T.S.



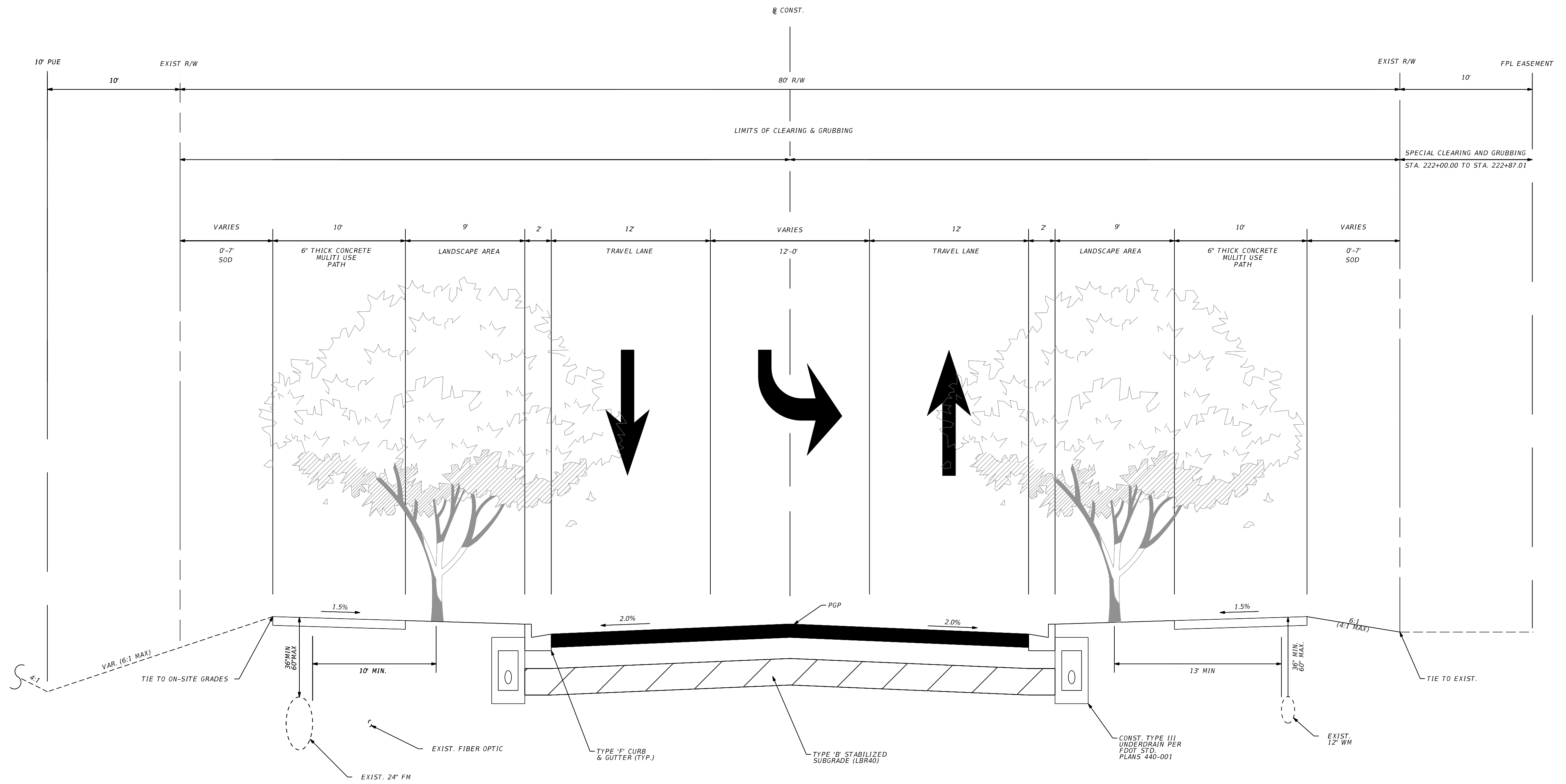
CURB PAD DETAIL
N.T.S.



- NOTES:
- TOP 8" OF CLEAN WELL DRAINED BACKFILL TO BE PLACED IN 2 LIFTS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180.
 - THE 4" UNDERDRAIN TO BE TIED INTO PROPOSED DRAINAGE STRUCTURES USING 4" ADS PIPES AND FILLINGS OR APPROVED EQUAL.

TYPE III UNDERDRAIN DETAIL
N.T.S.

POSTED SPEED = 30 MPH
DESIGN SPEED = 35 MPH



FERNLAKE DRIVE TYPICAL SECTION
STA. 209+78.87 TO STA. 222+87.01
N.T.S.

PAVEMENT DESIGN SN (4.0)
TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC C) (1") SN (0.44)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (2") SN (0.44)
CEMENTED COULINA (LBR100) (1") SN (0.19)
STABILIZED SUBGRADE (TYPE B) (12") SN (0.08)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
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ROADWAY IMPROVEMENTS

TYPICAL SECTION
PSLUSD # 5429B
CITY OF PSL # P22-277
SHEET NO. 5



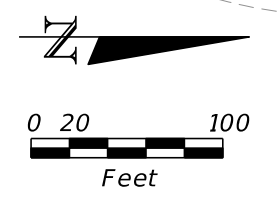
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**MATTAMY
 PALM BEACH, LLC
 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

EXISTING CONDITIONS
 PSLUSD # 5429B
 CITY OF PSL # P22-277

SHEET NO.
6



BASIN AREAS			
BASIN ID	PERVIOUS AREA (ACRE)	IMPERVIOUS AREA (ACRE)	TOTAL AREA (ACRE)
S-001	0.086	0.160	0.246
S-002	0.073	0.149	0.222
S-003	0.057	0.191	0.248
S-004	0.064	0.197	0.261
S-005	0.023	0.132	0.155
S-006	0.023	0.137	0.160
S-007	0.058	0.240	0.298
S-008	0.059	0.248	0.307
S-009	0.024	0.049	0.073
S-010	0.065	0.107	0.172
S-011	0.037	0.056	0.093
S-101	0.061	0.090	0.151
S-102	0.058	0.088	0.146
S-103	0.048	0.073	0.121
S-104	0.050	0.074	0.124
S-105	0.059	0.088	0.147
S-106	0.109	0.166	0.275
S-107	0.057	0.084	0.141
S-108	0.061	0.092	0.153
S-109	0.064	0.095	0.159
S-110	0.092	0.160	0.252
S-111	0.101	0.162	0.263

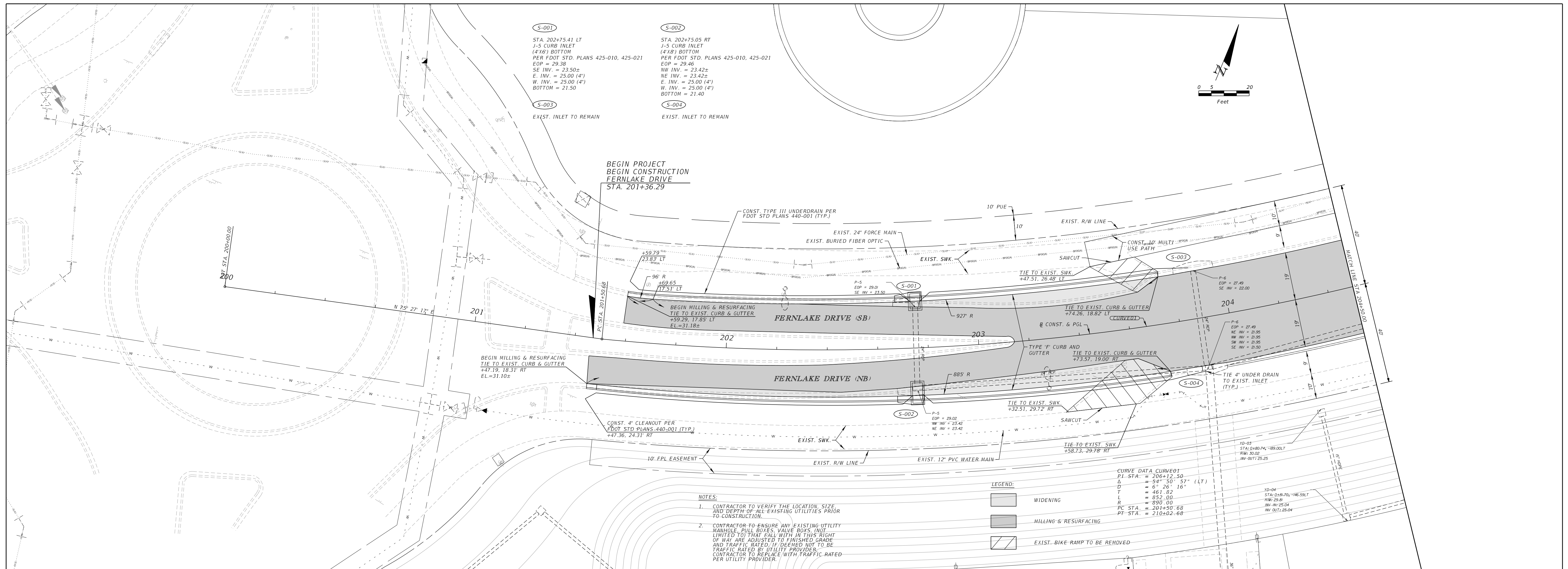
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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**MATTAMY
 PALM BEACH, LLC
 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

DRAINAGE MAP
 PSLUSD # 5429B
 CITY OF PSL # P22-277

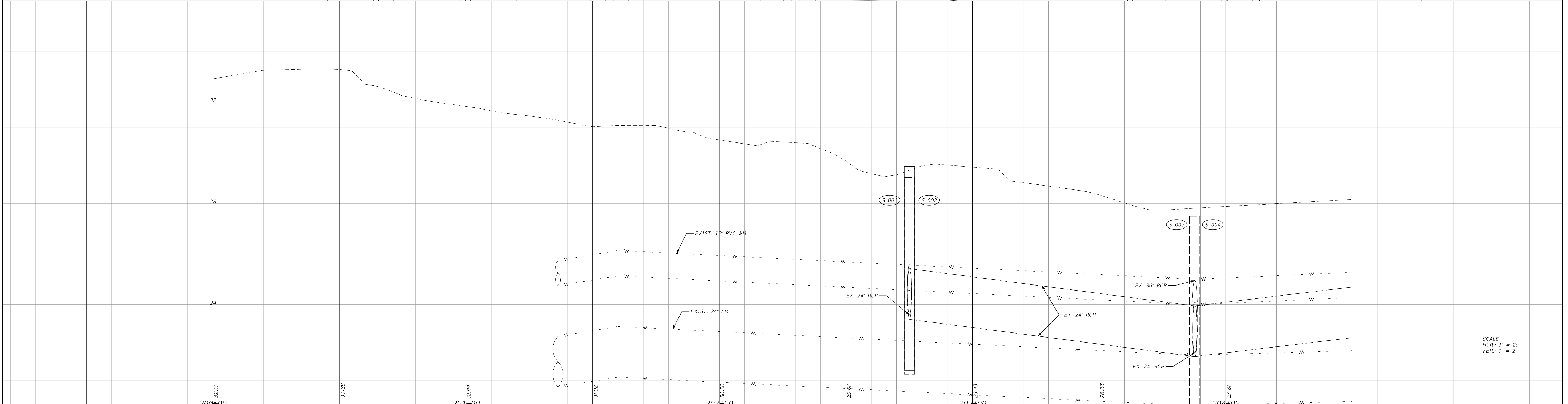
SHEET NO.
7



- NOTES:**
- CONTRACTOR TO VERIFY THE LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO ENSURE ANY EXISTING UTILITY MANHOLE BOLL BOLTS, VALVE BOLTS, ETC. LIMITED TO THAT FALL WITH IN THIS RIGHT OF WAY ARE ADJUSTED TO FINISHED GRADE AND TRAFFIC RATED. IF DEEMED NOT TO BE TRAFFIC RATED BY UTILITY PROVIDER, CONTRACTOR TO REPLACE WITH TRAFFIC RATED PER UTILITY PROVIDER.

- LEGEND:**
- WIDENING
 - MILLING & RESURFACING
 - EXIST. BIKE RAMP TO BE REMOVED

CURVE DATA CURVED
 P.I. STA. = 206+12.50
 Δ = 54° 30' 57" (LT)
 D = 6' 26' 16"
 T = 461.82
 L = 852.00
 R = 890.00
 PC STA. = 201+20.68
 PT STA. = 210+02.68



SCALE
 HOR.: 1" = 20'
 VER.: 1" = 2'

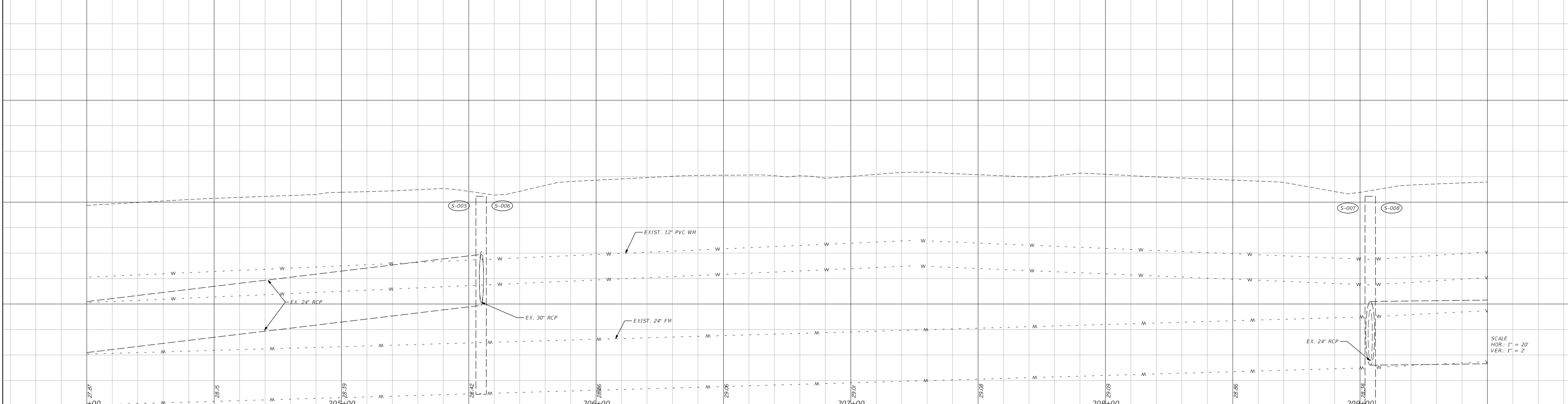
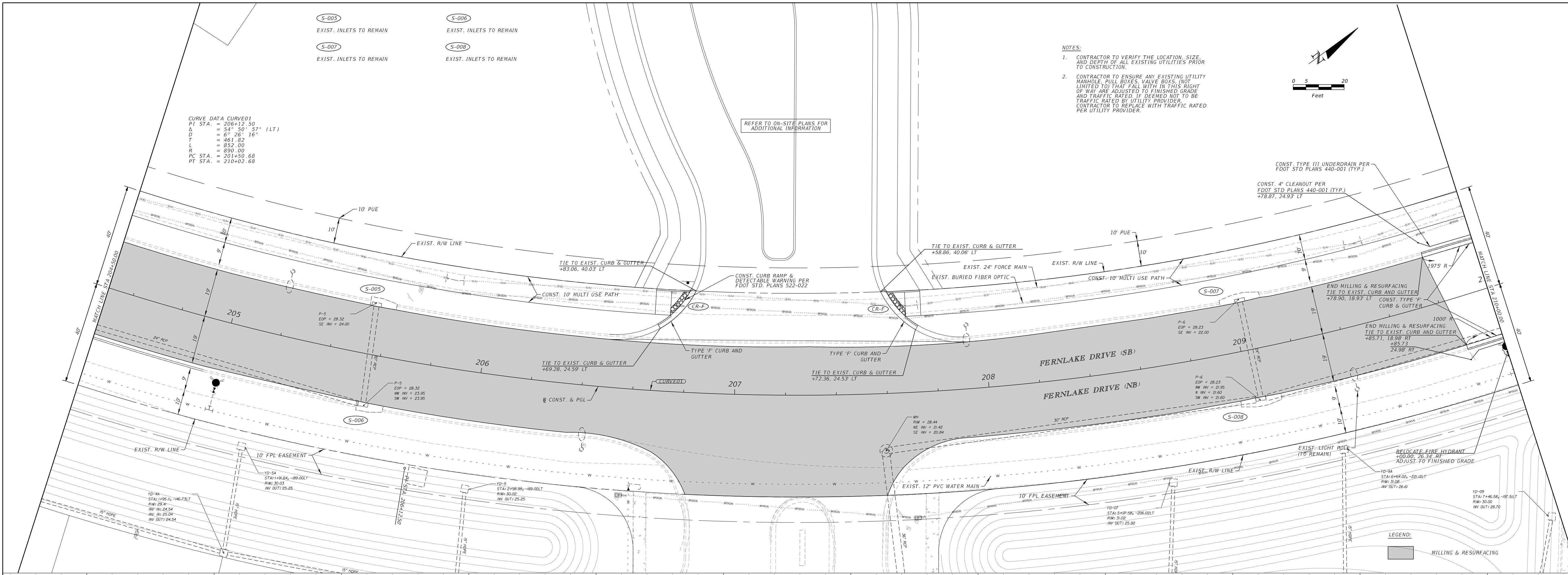
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 P.E. LICENSE NUMBER 64076
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MATTAMY
PALM BEACH, LLC
FERNLAKE DRIVE
ROADWAY IMPROVEMENTS

PLAN & PROFILE
 PSLUSD # 5429B
 CITY OF PSL # P22-277

SHEET NO. **8**



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DATE	BY	DESCRIPTION

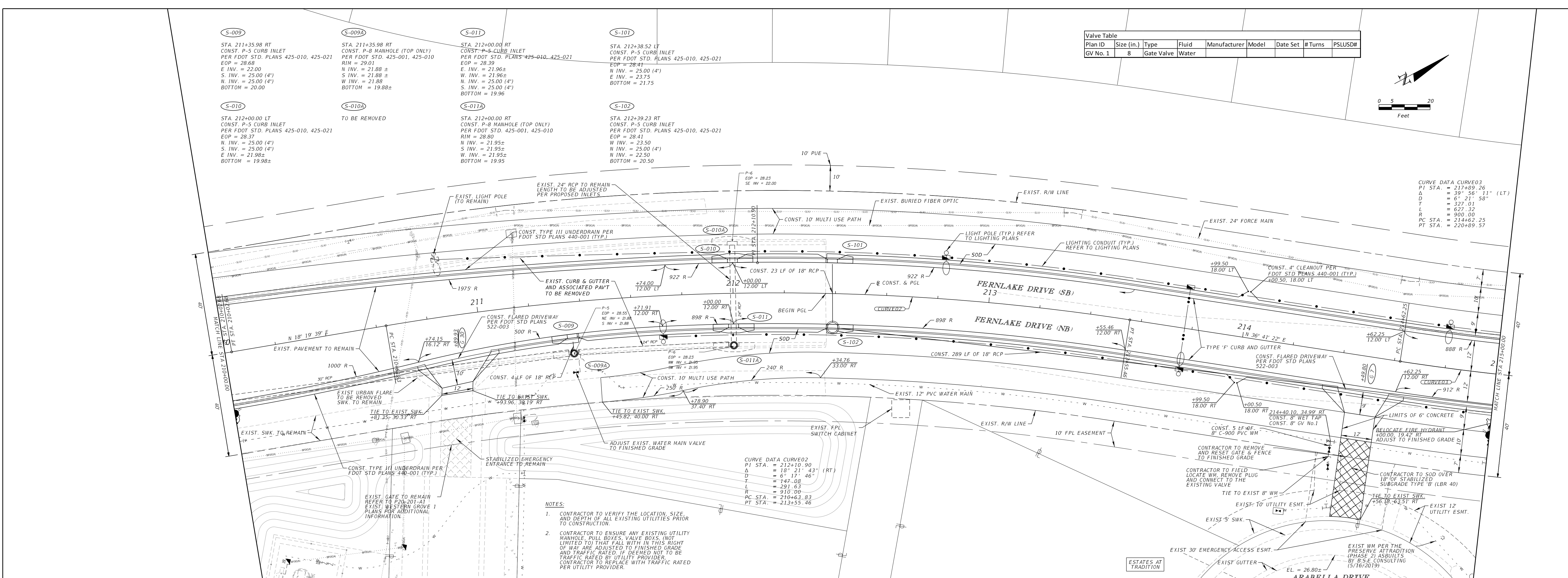
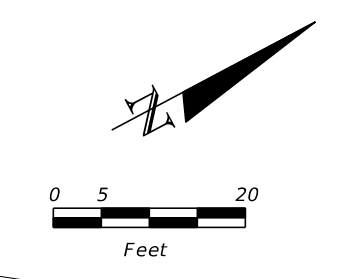
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 REGISTRY No. 35106

**MATTAMY
 PALM BEACH, LLC
 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

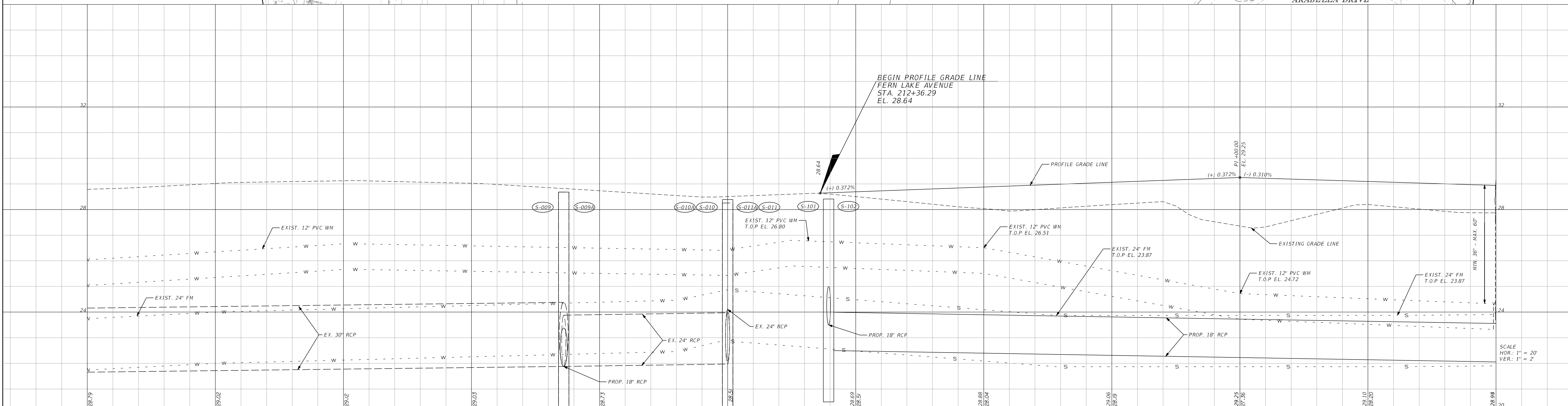
PLAN & PROFILE
 PSLUSD # 5429B
 CITY OF PSL # P22-277

SHEET NO.
9

Plan ID	Size (in.)	Type	Fluid	Manufacturer	Model	Date Set	# Turns	PSLUSD#
GV No. 1	8	Gate Valve	Water					



- NOTES:
- CONTRACTOR TO VERIFY THE LOCATION, SIZE AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO ENSURE ANY EXISTING UTILITY MANHOLES, PULL BOXES, VALVE BOXES, NOT LIMITED TO THAT FALL WITH IN THIS RIGHT OF WAY ARE ADJUSTED TO FINISHED GRADE AND TRAFFIC RATED IF DEEMED NOT TO BE TRAFFIC RATED BY UTILITY PROVIDER. CONTRACTOR TO REPLACE WITH TRAFFIC RATED PER UTILITY PROVIDER.



DATE		BY		DESCRIPTION	

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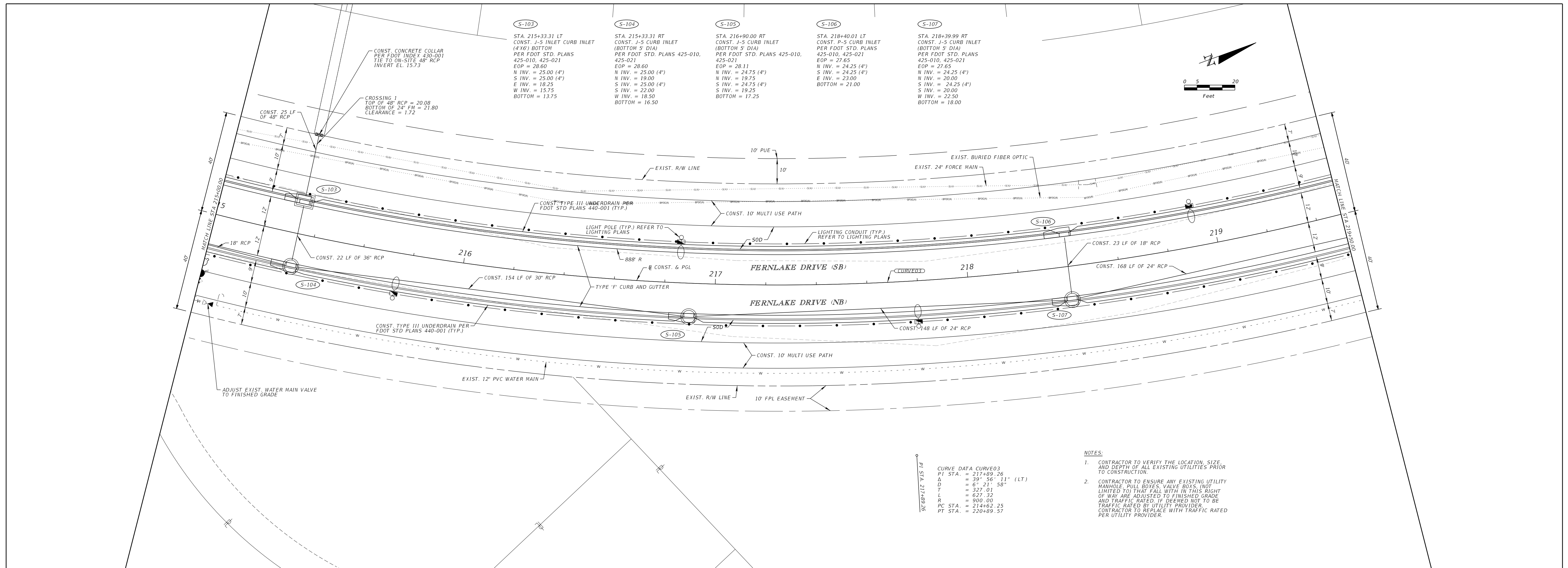
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MATTAMY
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FERNLAKE DRIVE
ROADWAY IMPROVEMENTS

PLAN & PROFILE

PSLUSD # 5429B
CITY OF PSL # P22-277

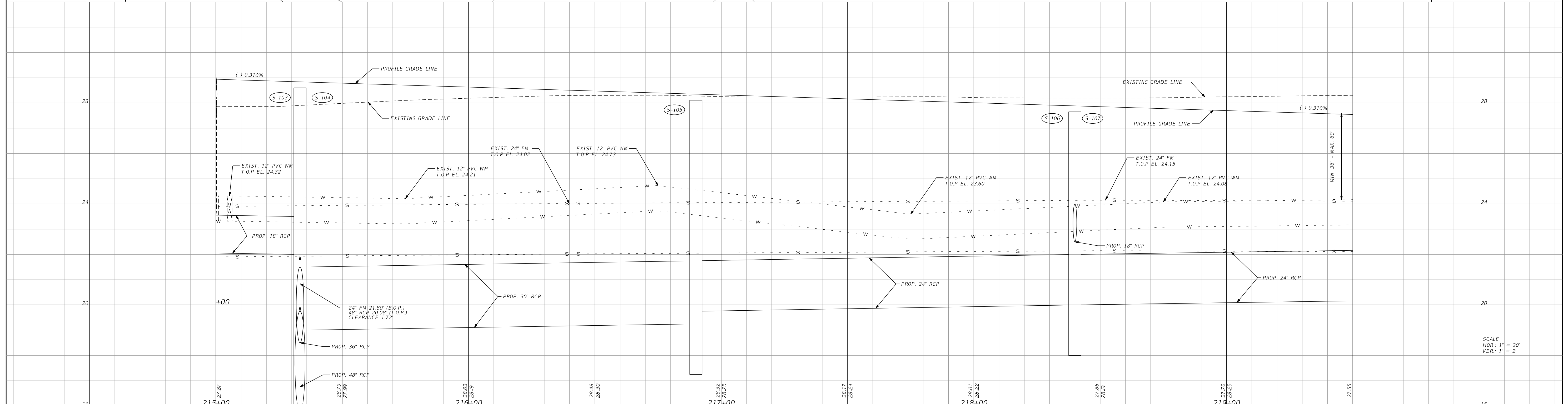
SHEET NO.
10



NOTES:

- CONTRACTOR TO VERIFY THE LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO ENSURE ANY EXISTING UTILITY MANHOLE, PULL BOXES, VALVE BOXES, (NOT LIMITED TO) THAT FALL WITHIN THIS RIGHT OF WAY ARE ADJUSTED TO FINISHED GRADE AND TRAFFIC RATED. IF DEEMED NOT TO BE TRAFFIC RATED BY UTILITY PROVIDER, CONTRACTOR TO REPLACE WITH TRAFFIC RATED PER UTILITY PROVIDER.

CURVE DATA CURVE03
 PI STA. = 217+89.26
 Δ = 39° 56' 11" (LT)
 D = 6° 21' 58"
 T = 327.01
 L = 627.32
 R = 900.00
 PC STA. = 214+62.25
 PT STA. = 220+89.57

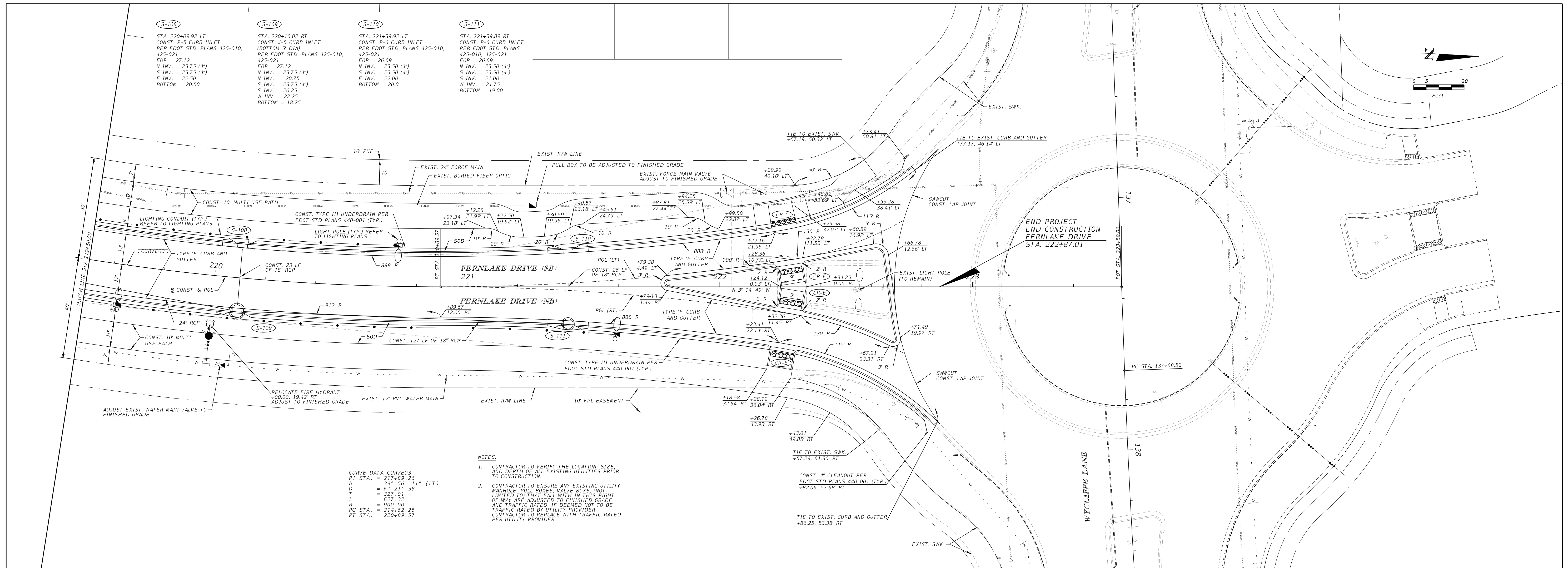


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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 P.E. LICENSE NUMBER 64076
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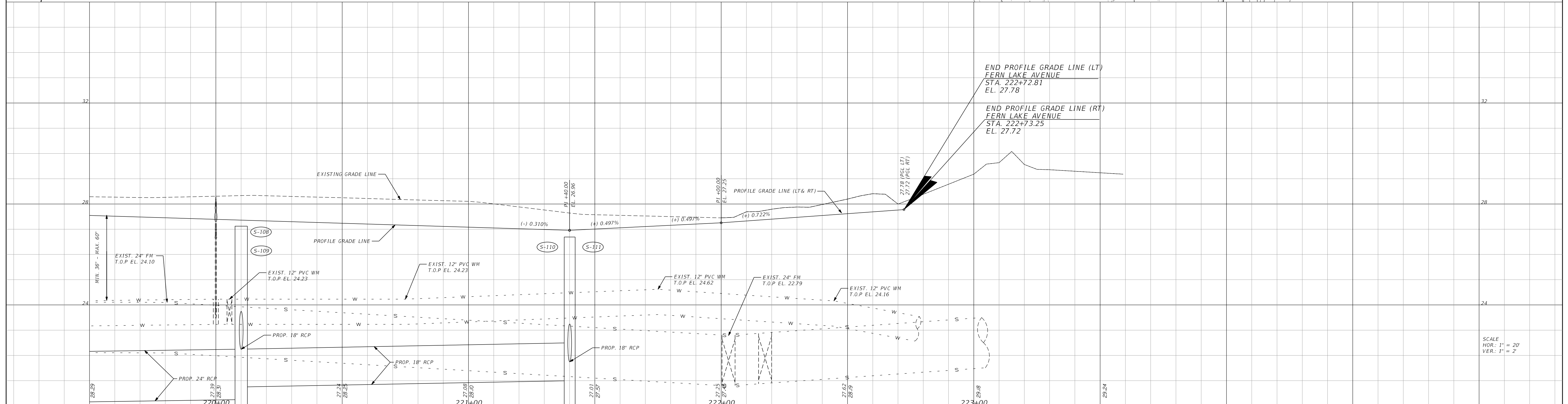
MATTAMY
PALM BEACH, LLC
FERNLAKE DRIVE
ROADWAY IMPROVEMENTS

PLAN & PROFILE
 PSLUSD # 5429B
 CITY OF PSL # P22-277



CURVE DATA CURVE03
 PI STA = 217+89.26
 D = 39' 56" 11" (LT)
 D = 6' 21" 58"
 L = 327' 01"
 L = 637' 32"
 R = 900' 00"
 PC STA = 214+62.25
 PT STA = 220+89.57

- NOTES:
- CONTRACTOR TO VERIFY THE LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO ENSURE ANY EXISTING UTILITY MANHOLE, PULL BOXES, VALVE BOXES, (NOT LIMITED TO) THAT FALL WITH IN THIS RIGHT OF WAY ARE ADJUSTED TO FINISHED GRADE AND TRAFFIC RATED, IF DEEMED NOT TO BE TRAFFIC RATED BY UTILITY PROVIDER, CONTRACTOR TO REPLACE WITH TRAFFIC RATED PER UTILITY PROVIDER.



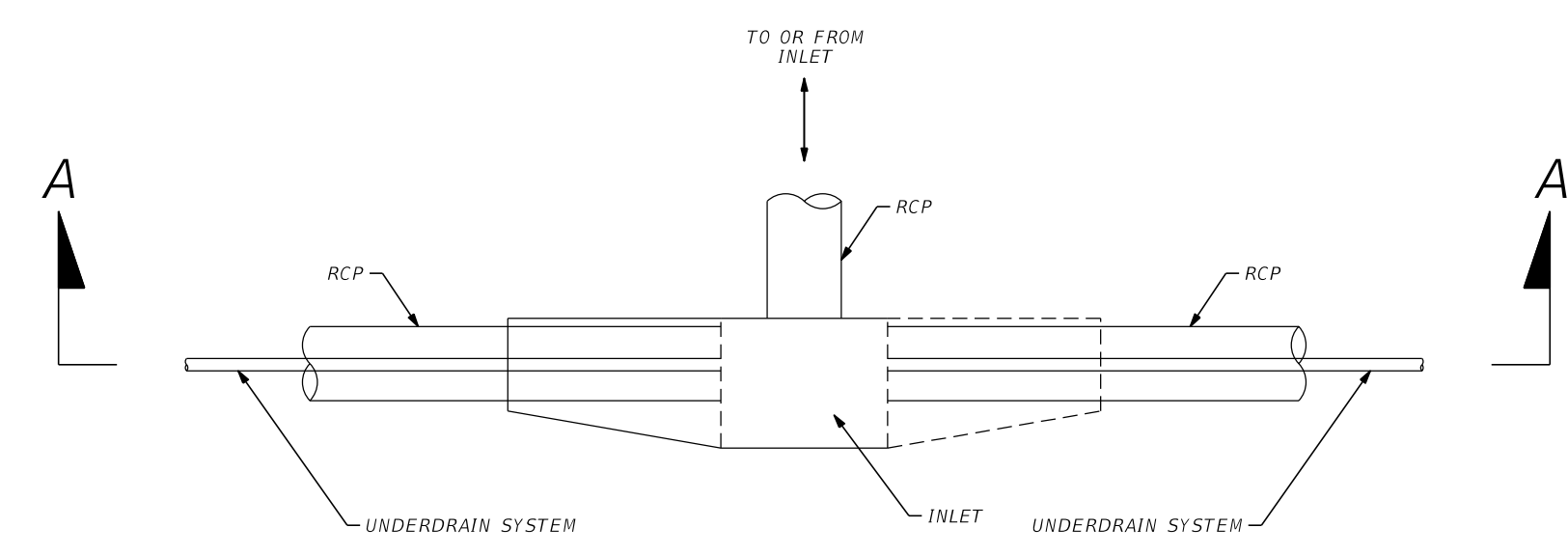
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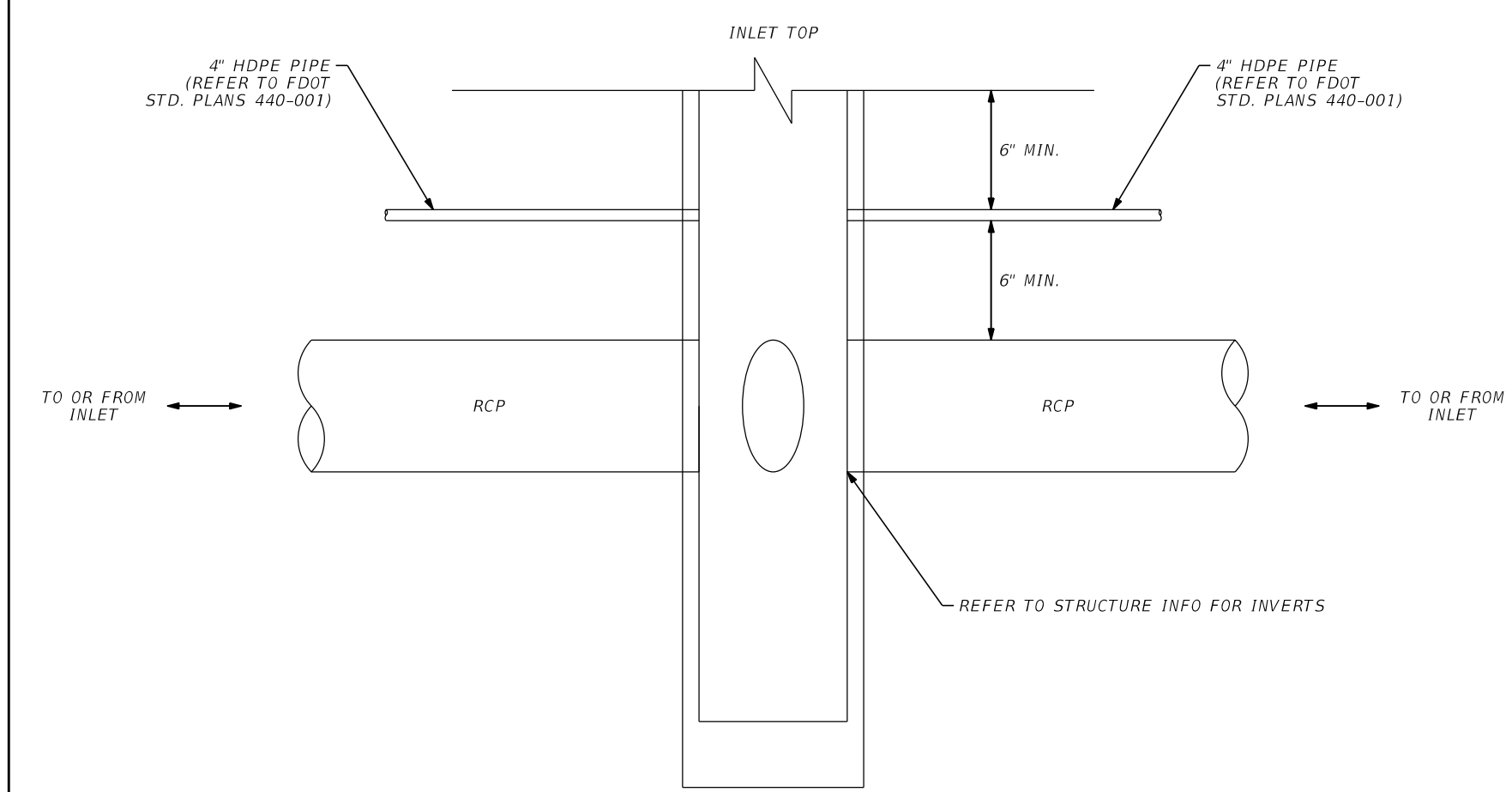
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FERNLAKE DRIVE
ROADWAY IMPROVEMENTS

PLAN & PROFILE
 PSLUSD # 5429B
 CITY OF PSL # P22-277

SHEET NO.
 12



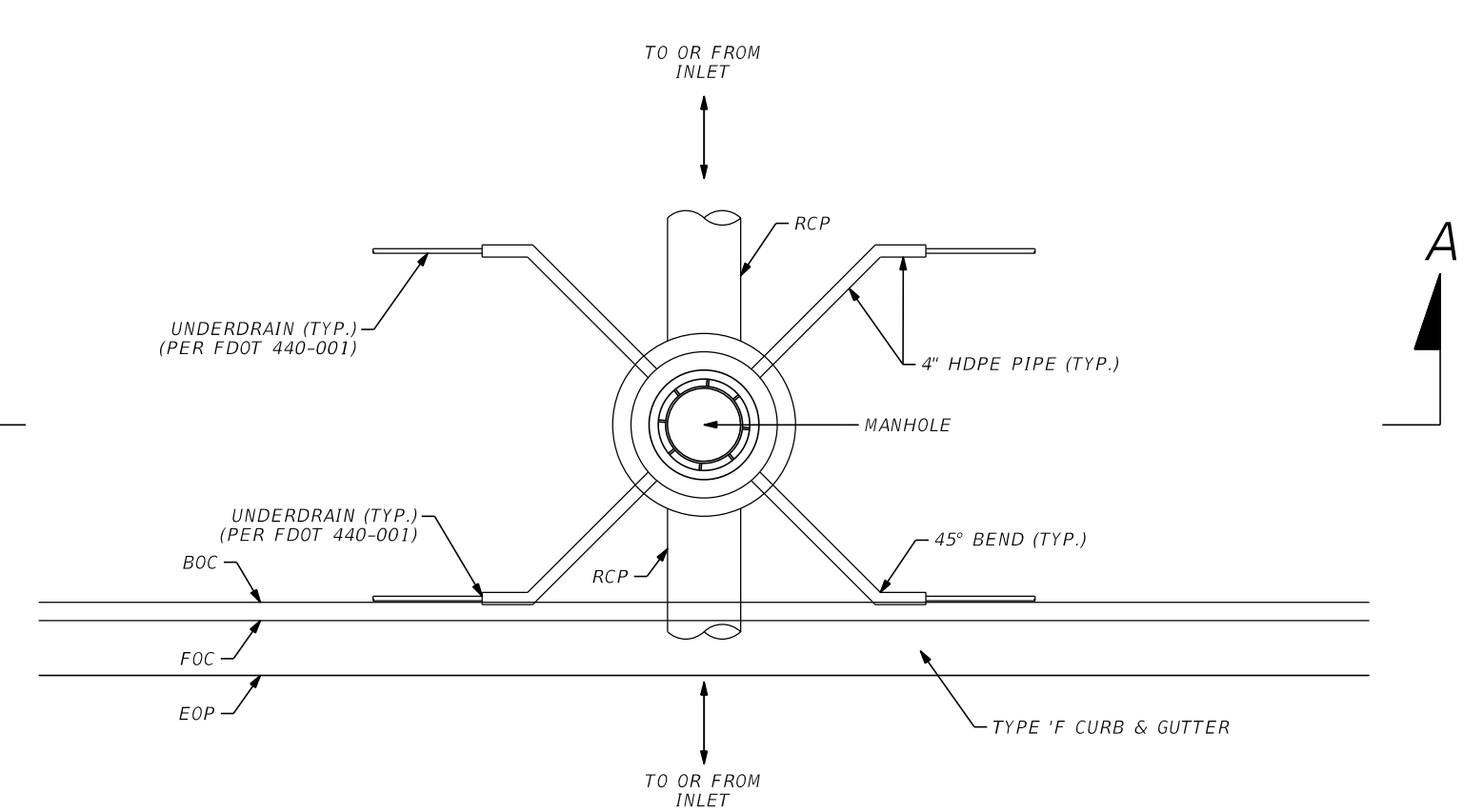
PLAN VIEW



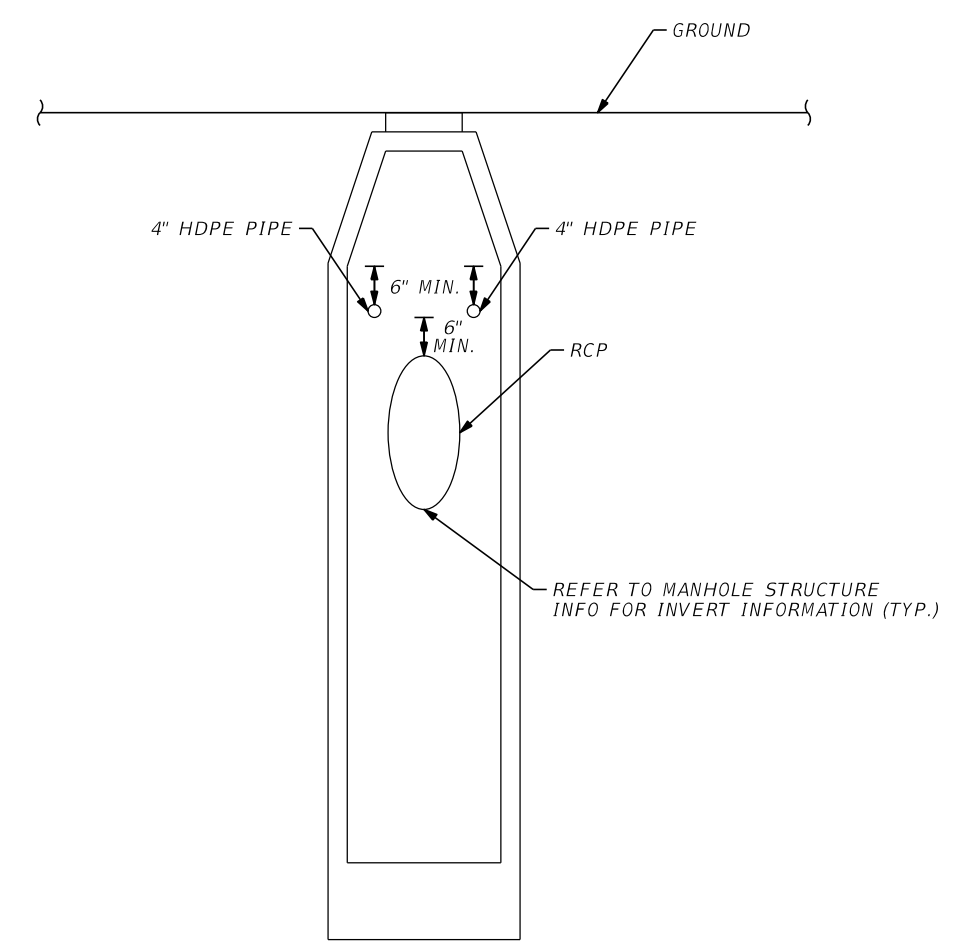
SECTION A-A

TYPICAL CURB INLET CONNECTION DETAIL

N.T.S.



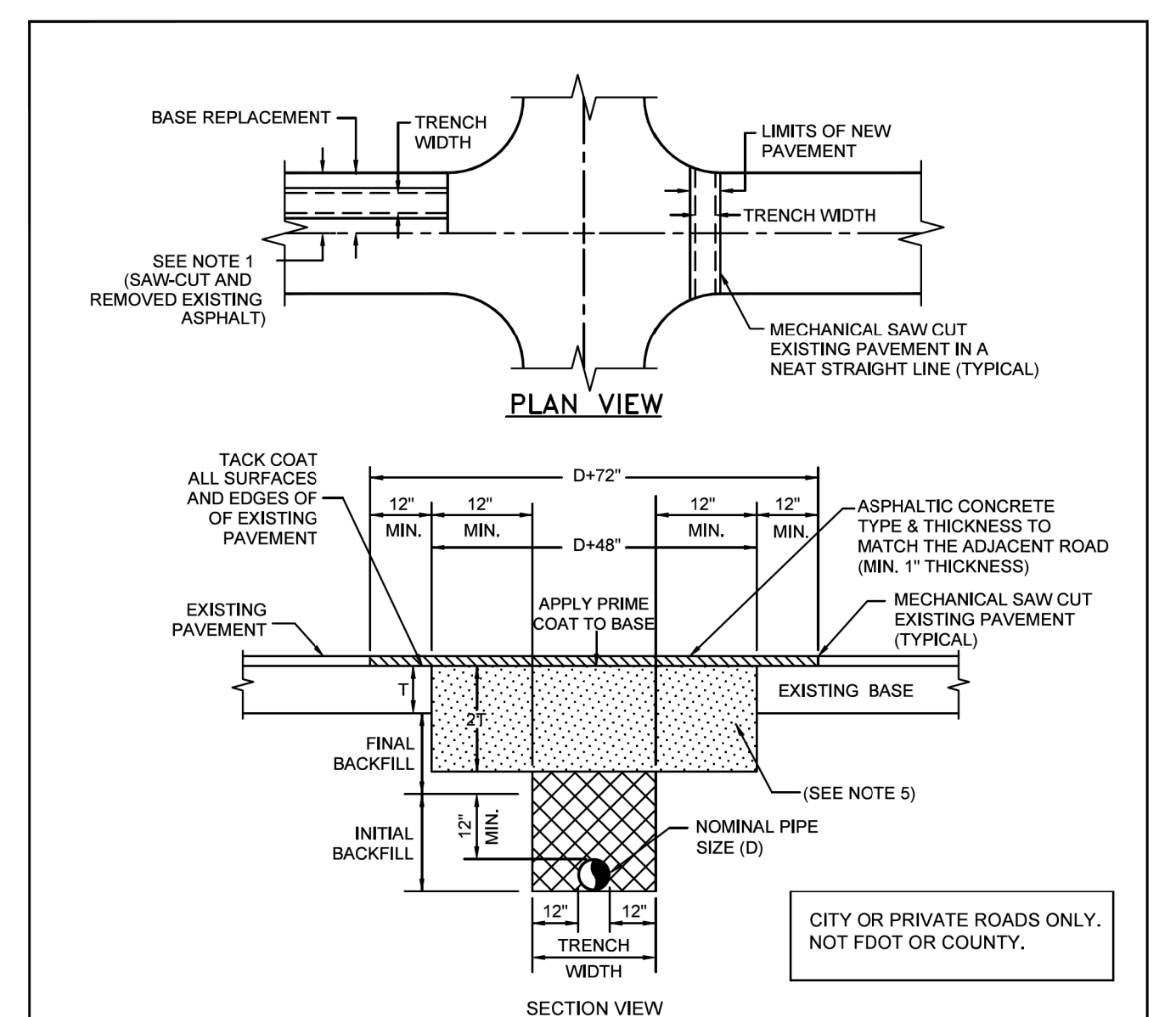
PLAN VIEW



SECTION A-A

TYPICAL MANHOLE CONNECTION DETAIL

N.T.S.



- NOTES:
- PAVEMENT RESTORATIONS FOR LONGITUDINAL CUTS IN ALL STREETS SHALL BE FULL LANE WIDTH, WITH FULL LANE WIDTH RESURFACING FOR EACH LANE WITHIN THE LIMITS OF THE CUT.
 - WHEN AN ARTERIAL OR MAJOR COLLECTOR STREET IS OPEN CUT WITHIN THE LIMITS OF THE ROADWAY INTERSECTION, THE ENTIRE INTERSECTION SHALL BE OVERLAID WITH ASPHALTIC CONCRETE.
 - WHEN STREETS OTHER THAN ARTERIALS OR MAJOR COLLECTORS ARE OPEN CUT MORE THAN TWO TIMES AT THE INTERSECTION, THE ENTIRE INTERSECTION SHALL BE OVERLAID WITH ASPHALTIC CONCRETE. TWO OPEN CUTS OR LESS AT THE INTERSECTION WILL REQUIRE OVERLAYING WITH ASPHALT ONLY IN THE OPEN CUT AREA.
 - THE CONTRACTOR SHALL BE REQUIRED TO DOCUMENT ALL PAVEMENT MARKINGS AND RPM'S PRIOR TO OVERLAY. THE CONTRACTOR SHALL THEN PLACE NEW PAVEMENT MARKINGS AT THE SAME LOCATIONS. PAVEMENT MARKINGS SHALL BE IN ACCORDANCE TO F.D.O.T. STANDARDS.
 - COQUINA OR LIMEROCK (16" MIN.) LBR-100
 - EARTHWORK, EXCAVATION, BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE WITH PLSUD STANDARDS. ALL BACKFILL SHALL MEET DENSITY REQUIREMENTS OF 100% T-180.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OCEAN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	UTILITY ROAD CUT PAVEMENT RESTORATION	DETAIL: G-05
		DATE: 2019
		SCALE: N.T.S.
		SHEET: 1 OF 1

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8/13/2024	Palmer.Stocks		11:49:52 AM		

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 REGISTRY No. 35106

MATTAMY
PALM BEACH, LLC
FERNLAKE DRIVE
ROADWAY IMPROVEMENTS

DRAINAGE DETAILS

PLSUD # 5429B
 CITY OF PSL # P22-277

GENERAL NOTES:

1. Install underdrain pipe that is either 4" smooth or 3" corrugated tubing unless otherwise shown in the Plans. The size to be furnished will be based on the nominal internal diameter of a pipe with a smooth interior wall. Except when prohibited by the Plans, the nominal dimensions of this standard pipe with a corrugated interior wall may be provided based on the following size equivalency:
 - 4" smooth interior equivalent to 3" corrugated interior
 - 3" smooth interior equivalent to 2" corrugated interior
 - 2" smooth interior equivalent to 1 1/2" corrugated interior
 - 1 1/2" smooth interior equivalent to 1" corrugated interior
2. Fine aggregate is quartz sand meeting the requirements of Specifications 902-4.
3. Course aggregate is gravel or stone meeting the requirements of Specification 902-2 or 902-3. Fine gradation is in accordance with Specifications 902, grades 6, 407, 5, 36 or 57 stone unless otherwise shown otherwise in the Plans.
4. Install underdrain Type I, II, III and V in accordance with Specifications 443.
5. Install Type D-3 geotextile in accordance with Specifications 551. The internal geotextile of Type V underdrain has a permeability of 67 gsd, and an AFS of 400 mm.
6. When Type I is used, use a geotextile sock in accordance with Specification 948.
7. See Index 120-002 for the standard location of Type I, II, and III underdrain. The location of Type V underdrain and standard locations of Type I, II, and III underdrain will be as indicated in the Plans.
8. Install geotextile joints with a overlap a minimum of 1'. Install the internal geotextile of Type V underdrain with an overlap size the coarse aggregate or the fine aggregate a minimum of 1'.
9. Use nonperforated pipes for underdrain outlet and make all bends using 90° (45 deg.) elbows. Connect 90 deg. bends with two 45° elbows separated by at least 2' of straight pipe. Outlet pipes stubbed into inlets or other drainage structures must be a minimum 6" above the structure flow line. Install concrete aprons, hardware cloth and soil for outlets pipe discharging to grassed areas as shown in notes 446-001 for Spectrum fixtures.

UNDERDRAIN TYPE I, II, AND III ASSEMBLY
(Type II Shown, Others Similar)

UNDERDRAIN TYPE Va AND Vb ASSEMBLY

TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Coverages
2	Type I, II, and III Underdrains
3	Type Va, Vb, and Cleanout

LAST REVISION: 11/01/23	DESCRIPTION:	FY 2024-25 STANDARD PLANS	UNDERDRAIN	INDEX: 440-001	SHEET: 1 of 3
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TYPE I **TYPE II** **TYPE III**

TYPE I, II, AND III

LAST REVISION: 11/01/23	DESCRIPTION:	FY 2024-25 STANDARD PLANS	UNDERDRAIN	INDEX: 440-001	SHEET: 2 of 3
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TYPE Va **TYPE Vb**

TYPE Vd **TYPE V CLEANOUT** **SECTION AA**

TYPE Va, Vb, AND CLEANOUT

LAST REVISION: 11/01/23	DESCRIPTION:	FY 2024-25 STANDARD PLANS	UNDERDRAIN	INDEX: 440-001	SHEET: 3 of 3
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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**MATTAMY
PALM BEACH, LLC
FERNLAKE DRIVE
ROADWAY IMPROVEMENTS**

DRAINAGE DETAILS
PSLUSD # 5429B
CITY OF PSL # P22-277

SHEET NO. 14

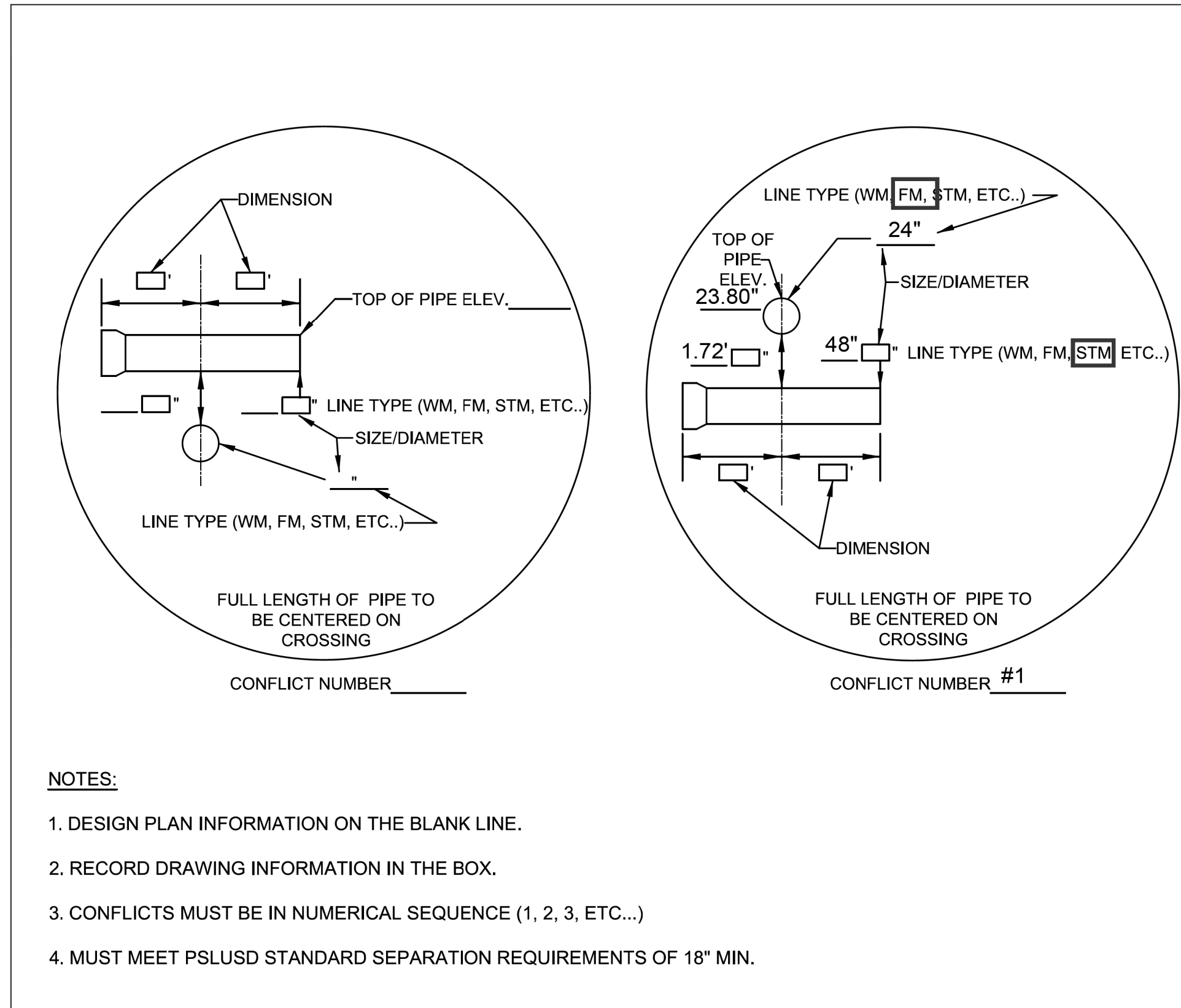
MINIMUM SEPARATION BETWEEN PSLUSD FACILITIES AND OTHER UTILITIES			
OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (2), (3), VACUUM SANITARY SERVICE, STORM SEWER, STORM SEWER FORCE MAIN	 10' MINIMUM	 18" MINIMUM	 6' MINIMUM
ALL OTHER FACILITIES, INCLUDING BUT NOT LIMITED TO: TELEPHONE, CABLE TV, POWER, ETC.	 5' MINIMUM	 18" MINIMUM	 3' MINIMUM
ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM	10' MINIMUM

(1) WATER MAIN SHOULD CROSS OVER OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 18".

(2) RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(3) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

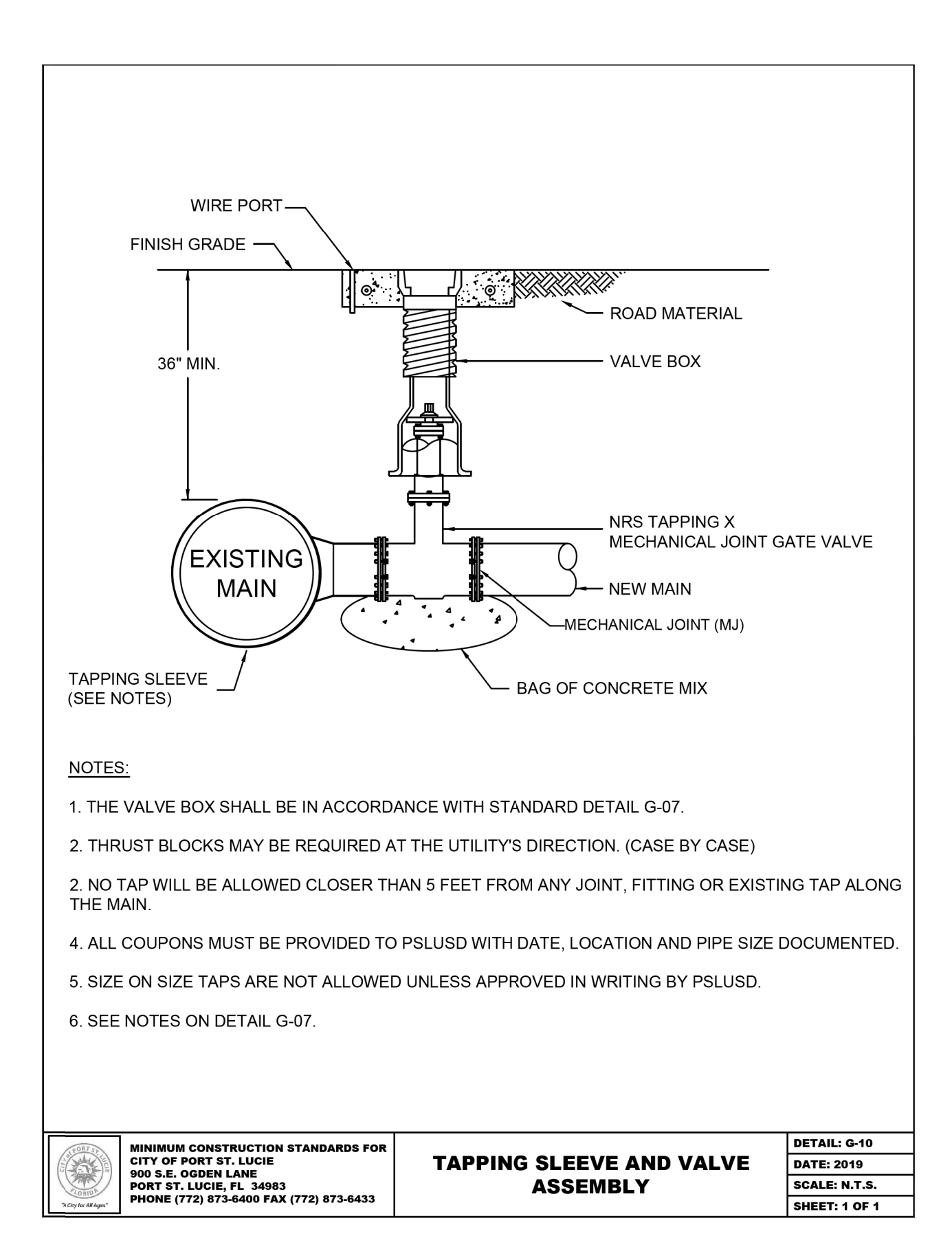
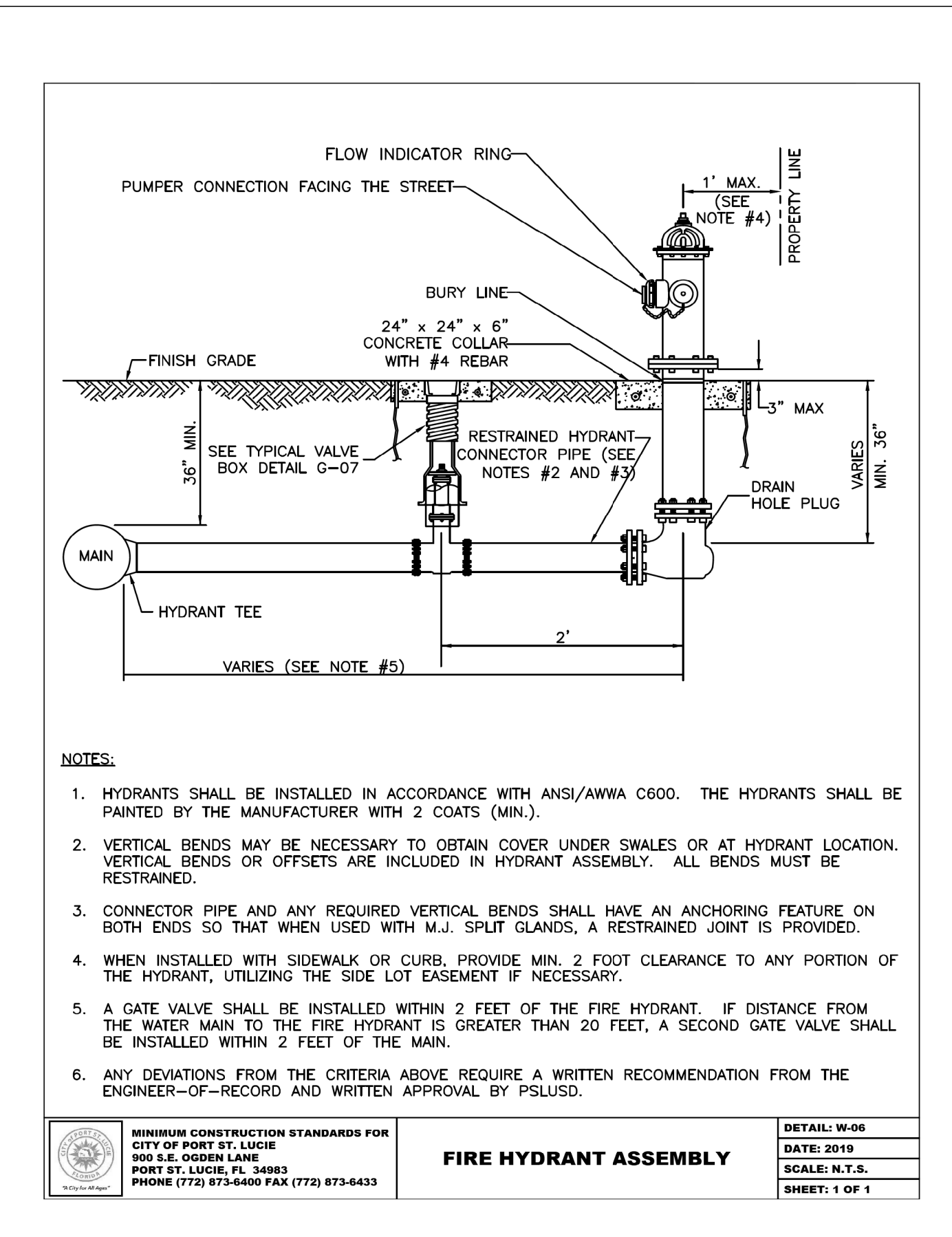
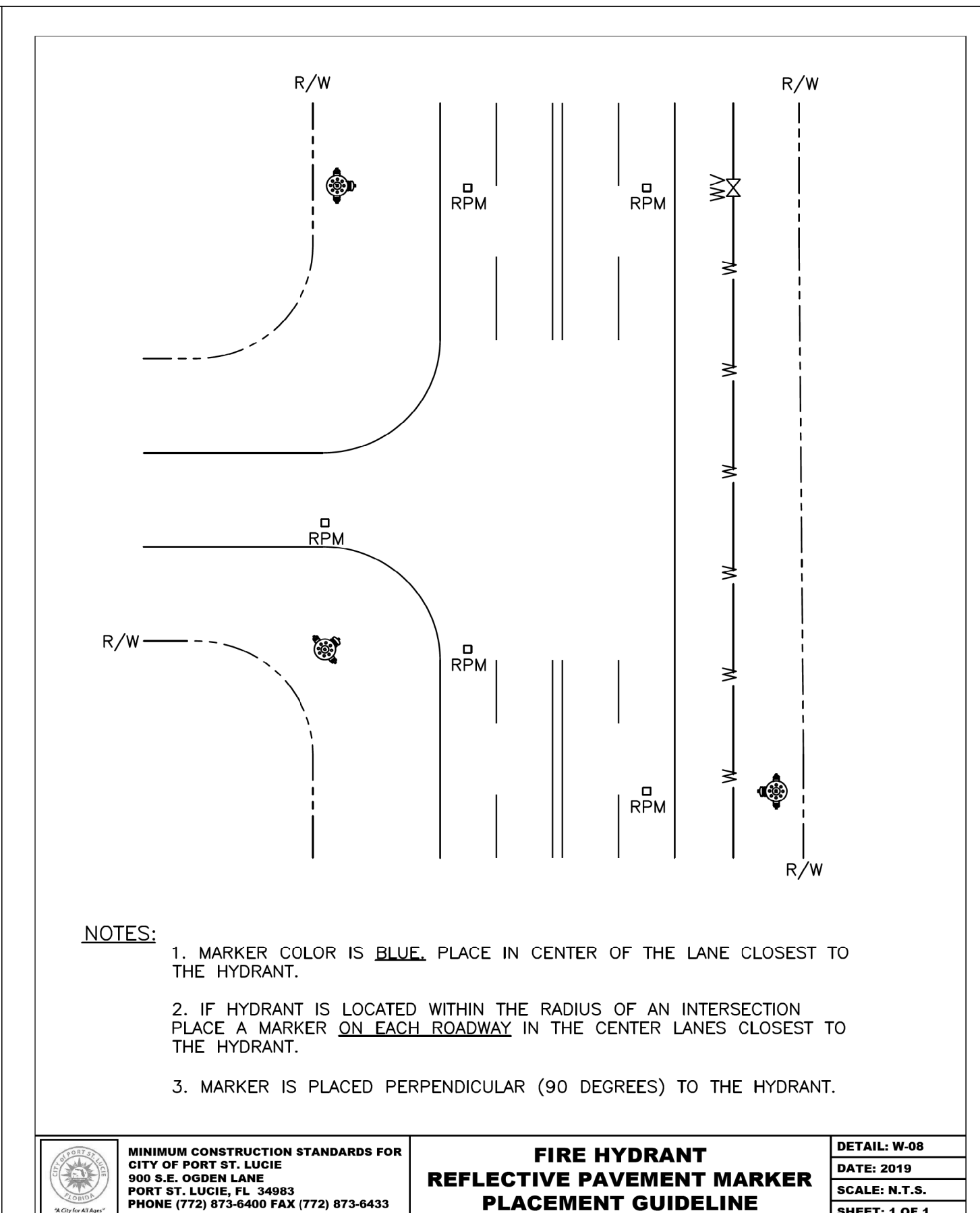
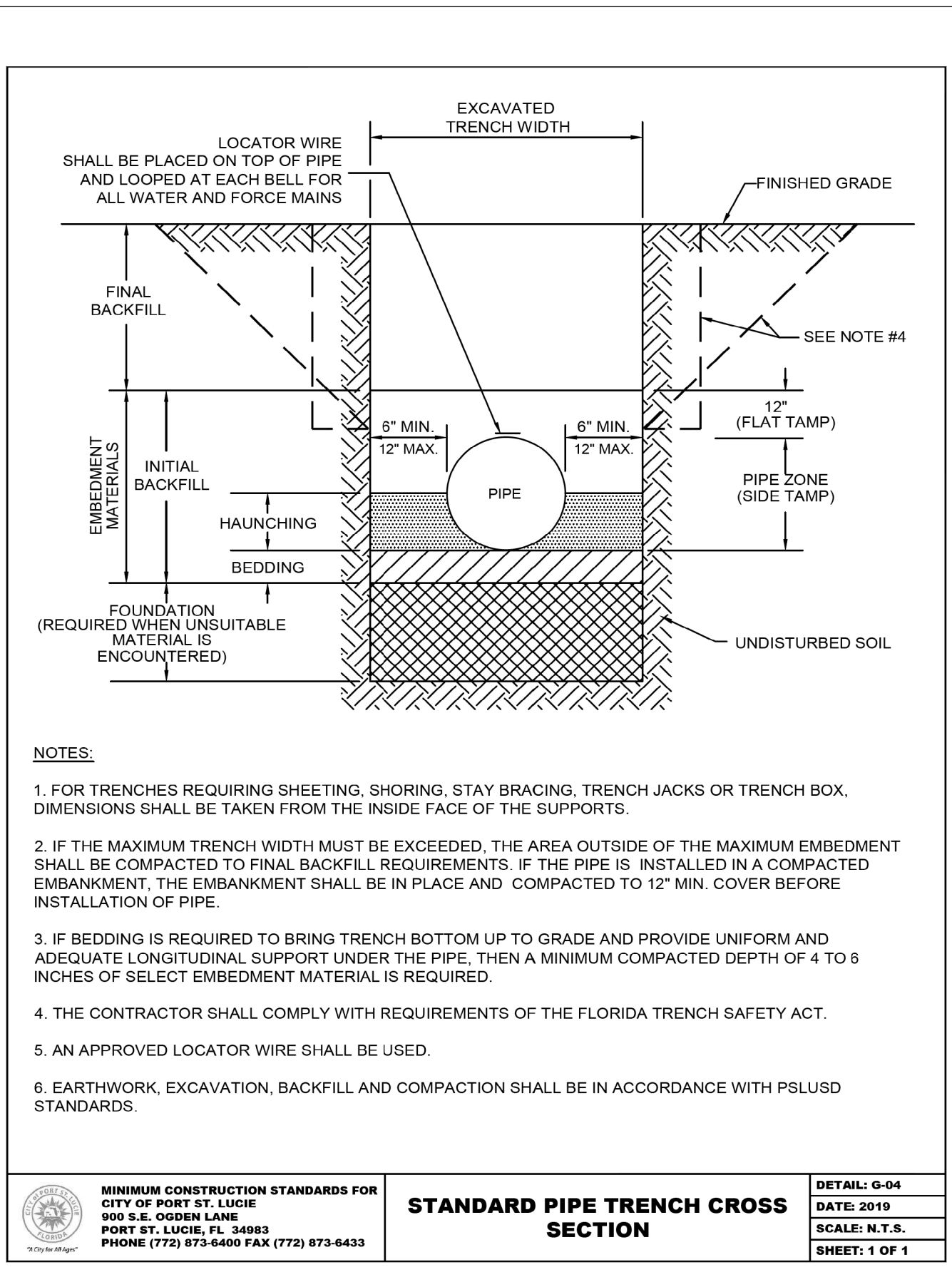
(4) A PSLUSD FACILITY INCLUDES MAINS AND STRUCTURES FOR POTABLE WATER, WASTEWATER AND RECLAIMED WATER.



MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE
 900 S.E. OGDEN LANE
 PORT ST. LUCIE, FL 34983
 PHONE (772) 873-6400 FAX (772) 873-6433

DETAIL: G-02
 DATE: 2019
 SCALE: N.T.S.
 SHEET: 1 OF 1

CONFLICT DETAILS



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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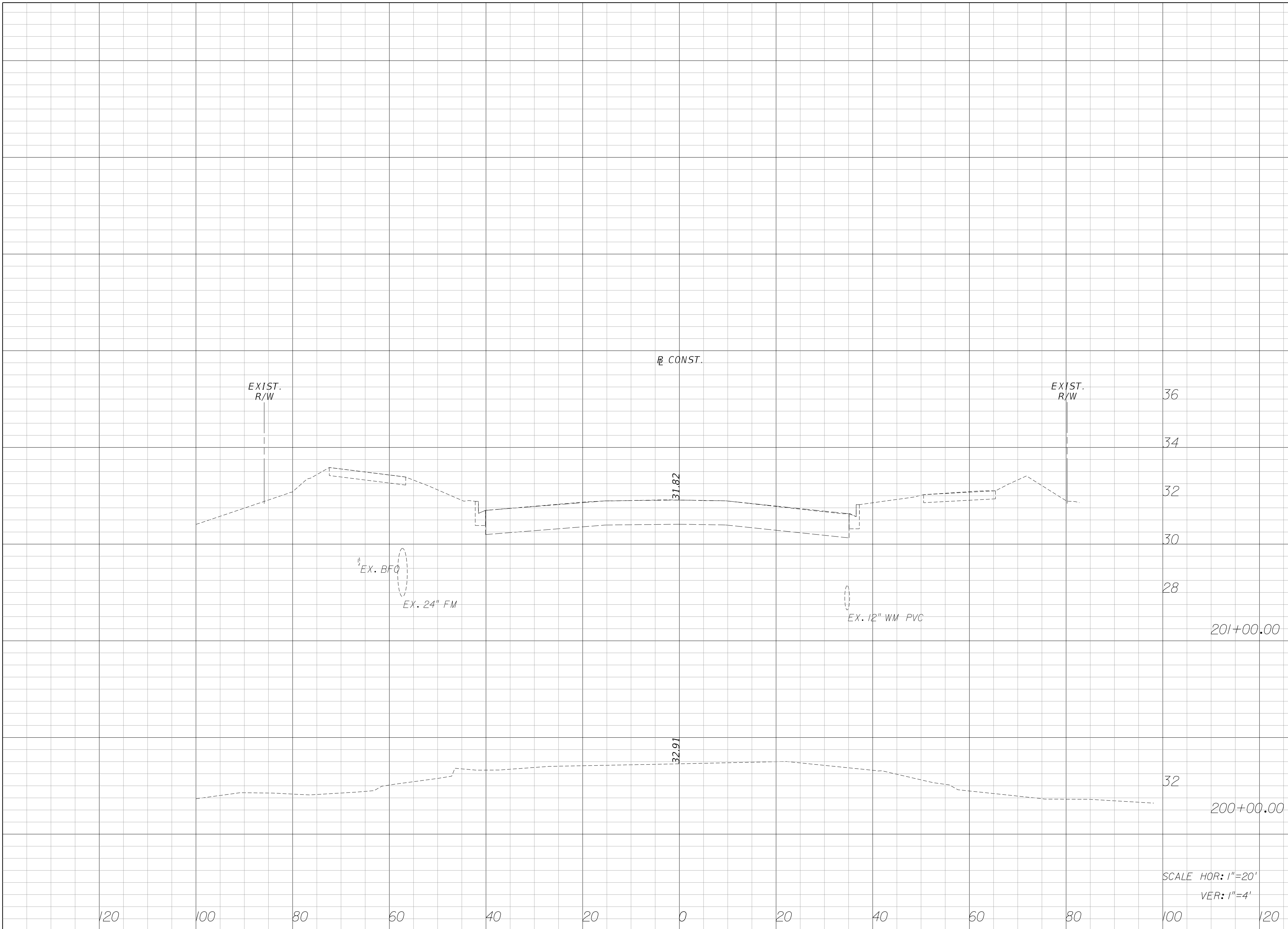
**MATTAMY
 PALM BEACH, LLC
 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

UTILITY DETAILS

PSLUSD # 5429B
 CITY OF PSL # P22-277

SHEET NO. 15

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'
VER: 1"=4'

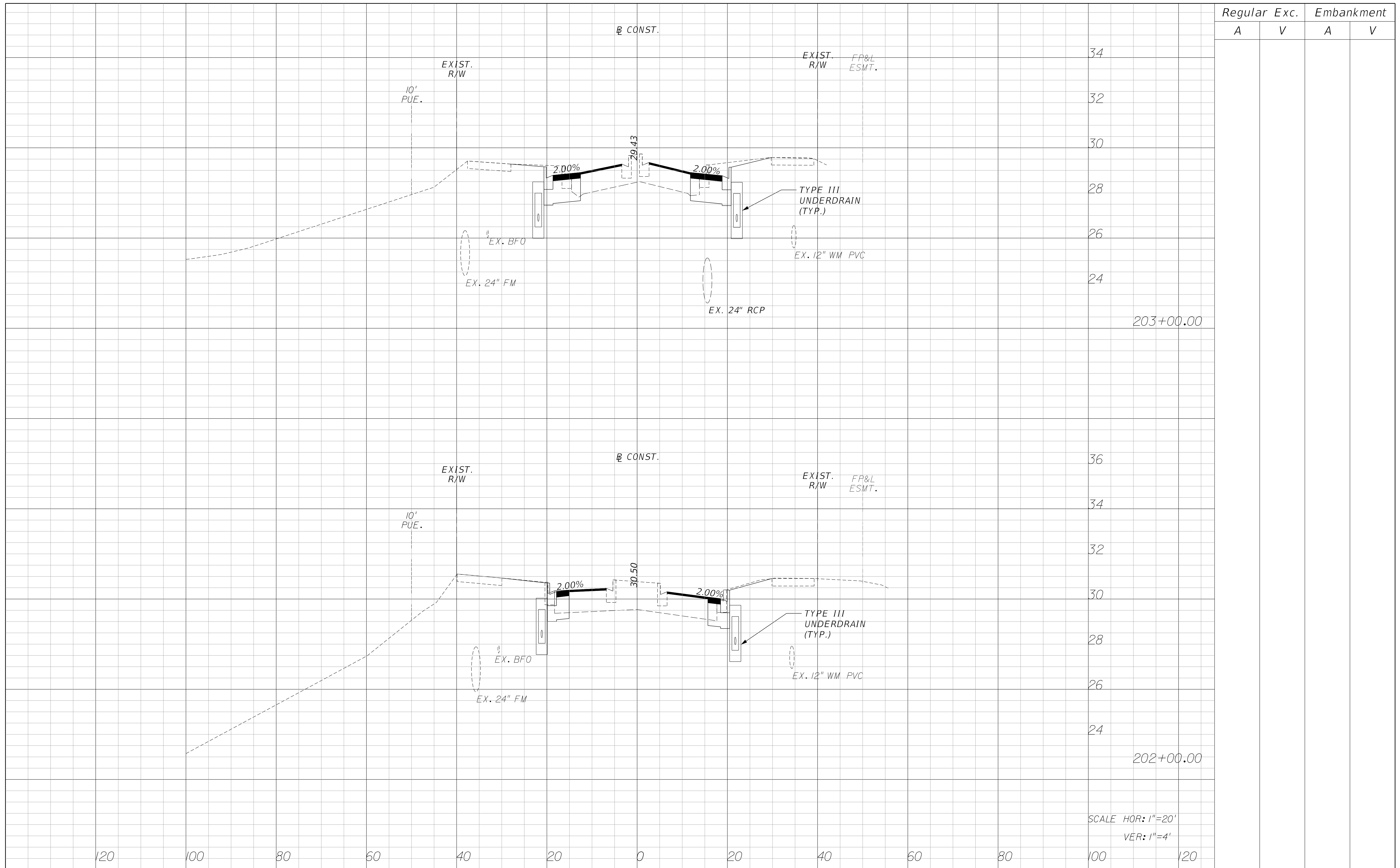
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn
ERIC J. KLEIER, P.E.
 P.E. LICENSE NUMBER 64076
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 VERO BEACH, FL 32960
 (772) 794-4100
 REGISTRY No. 35106

**MATTAMY
 PALM BEACH, LLC
 FERLAKE DRIVE
 ROADWAY IMPROVEMENTS**

CROSS SECTIONS
PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
16



Regular		Exc.		Embankment	
A	V	A	V	A	V

SCALE HOR: 1"=20'
VER: 1"=4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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REGISTRY No. 35106

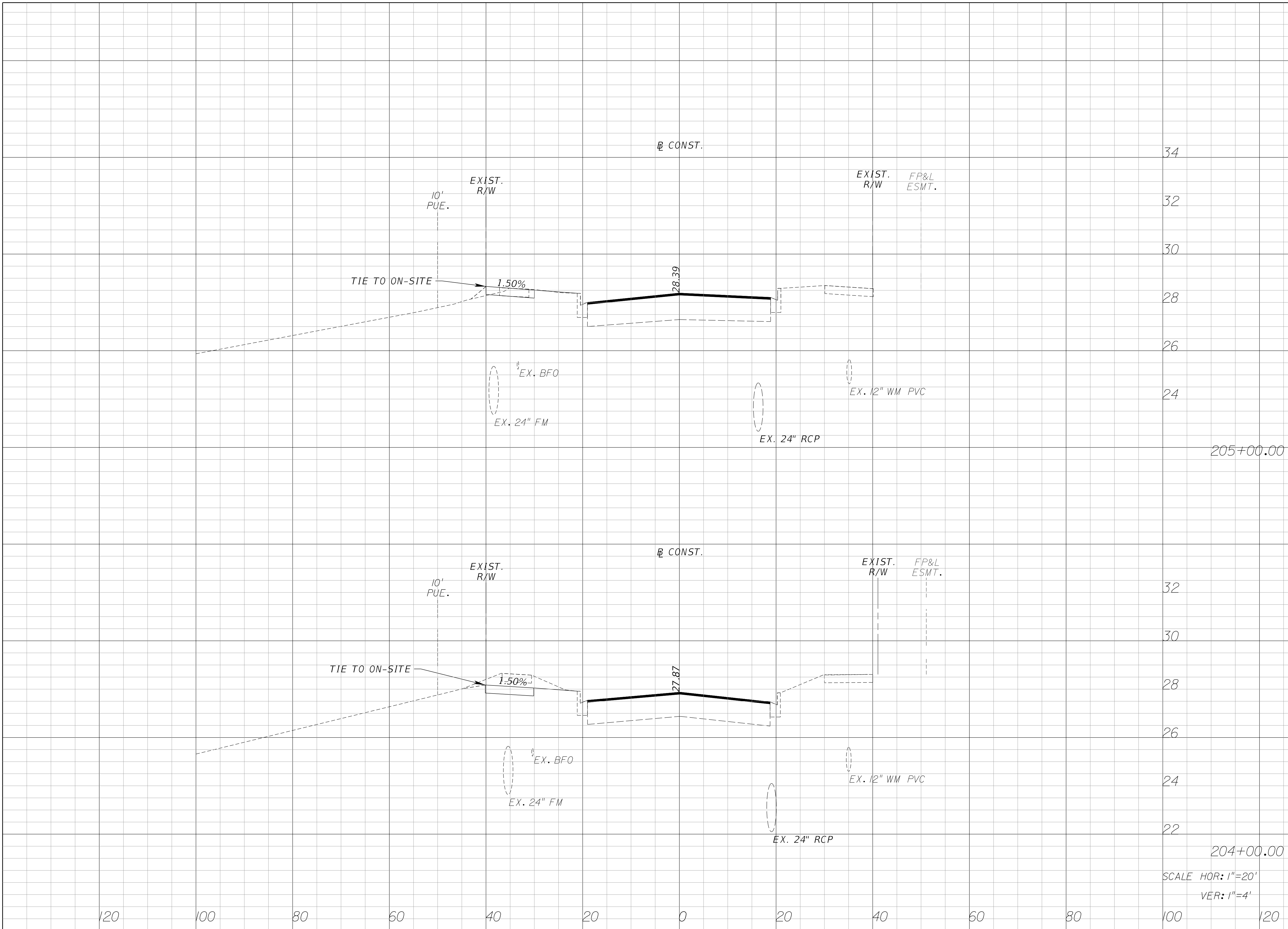
MATTAMY
PALM BEACH, LLC
FERNLAKE DRIVE
ROADWAY IMPROVEMENTS

CROSS SECTIONS

PSLUSD # 5429B
CITY OF PLS # P22-277

SHEET NO.
17

Regular		Exc.		Embankment	
A	V	A	V	A	V



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

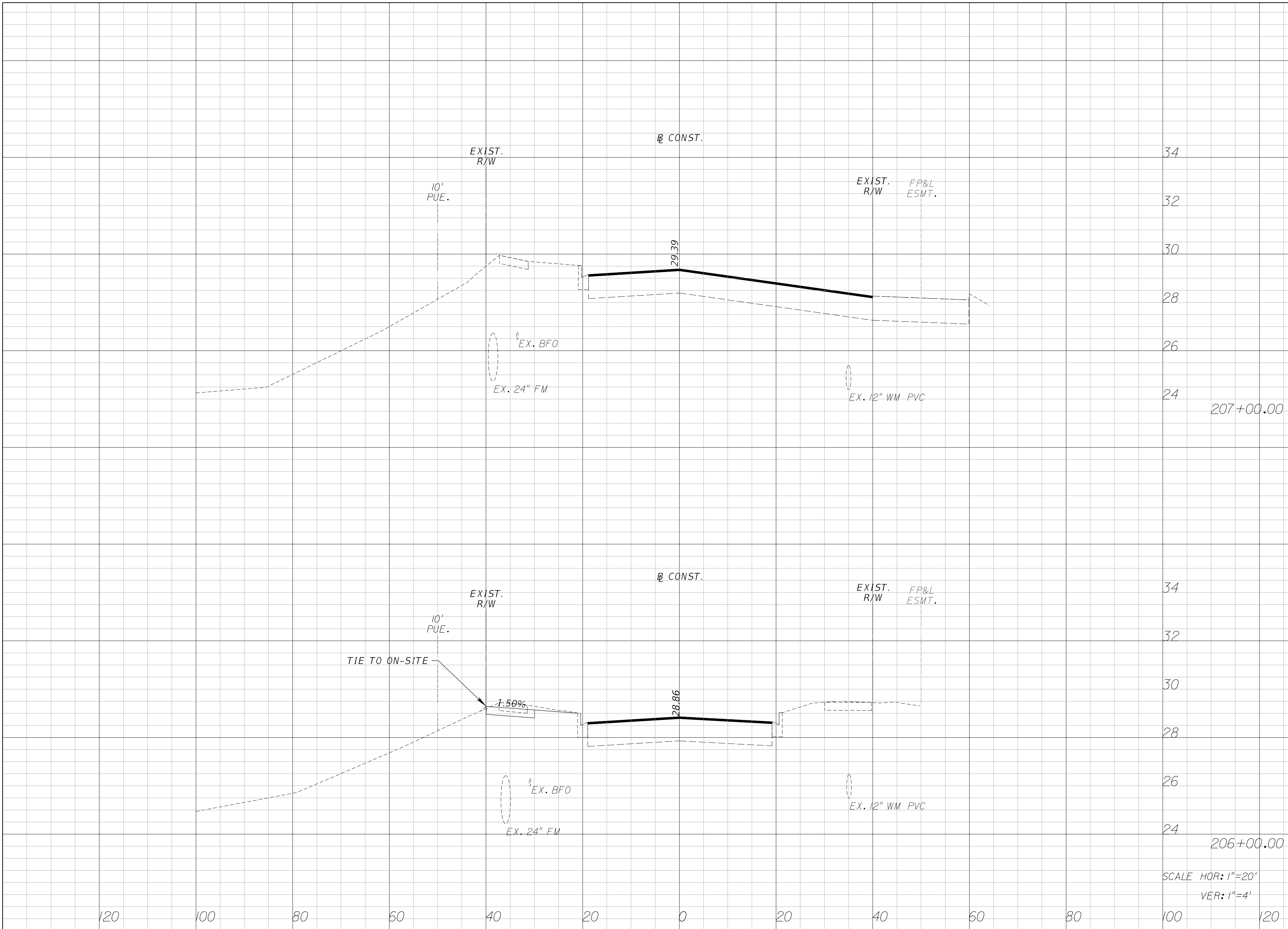
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 ROADWAY IMPROVEMENTS**

CROSS SECTIONS
PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
18

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'
VER: 1"=4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

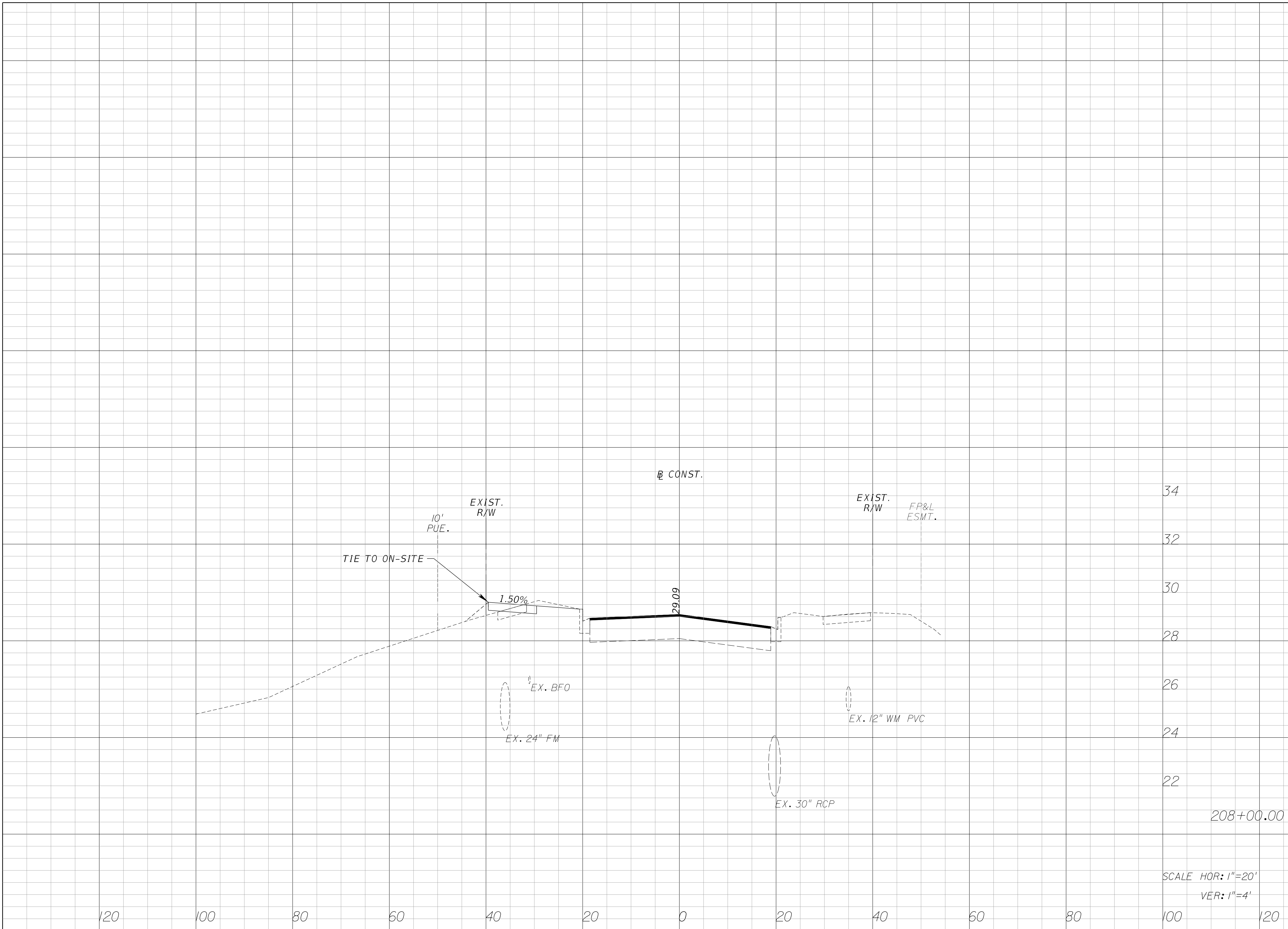
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ROADWAY IMPROVEMENTS

CROSS SECTIONS
PSLUSD # 5429B
CITY OF PLS # P22-277

SHEET NO.
19

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'
VER: 1"=4'

REVISIONS					
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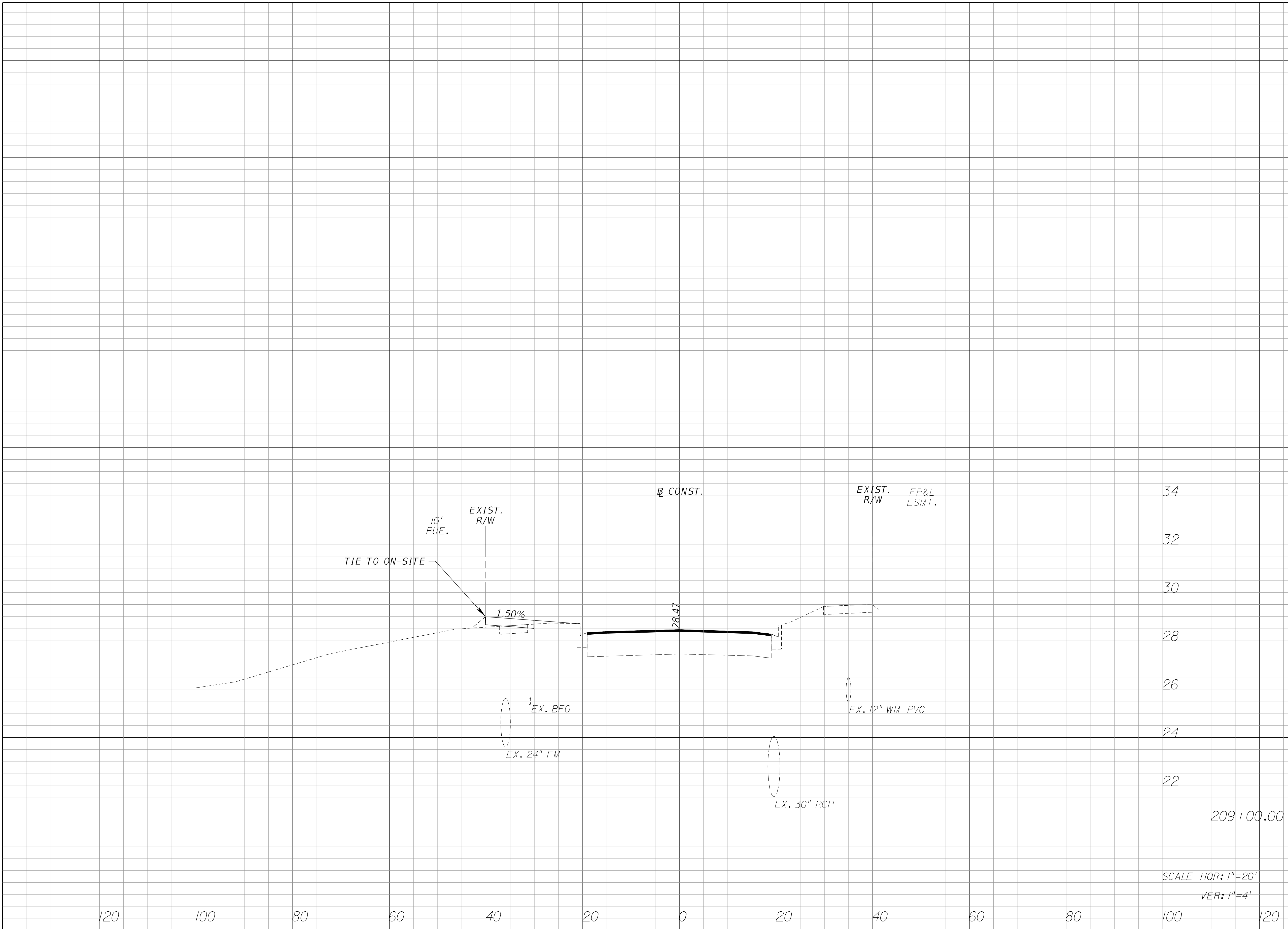
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ROADWAY IMPROVEMENTS

CROSS SECTIONS
 PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
 20

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'
VER: 1"=4'

REVISIONS					
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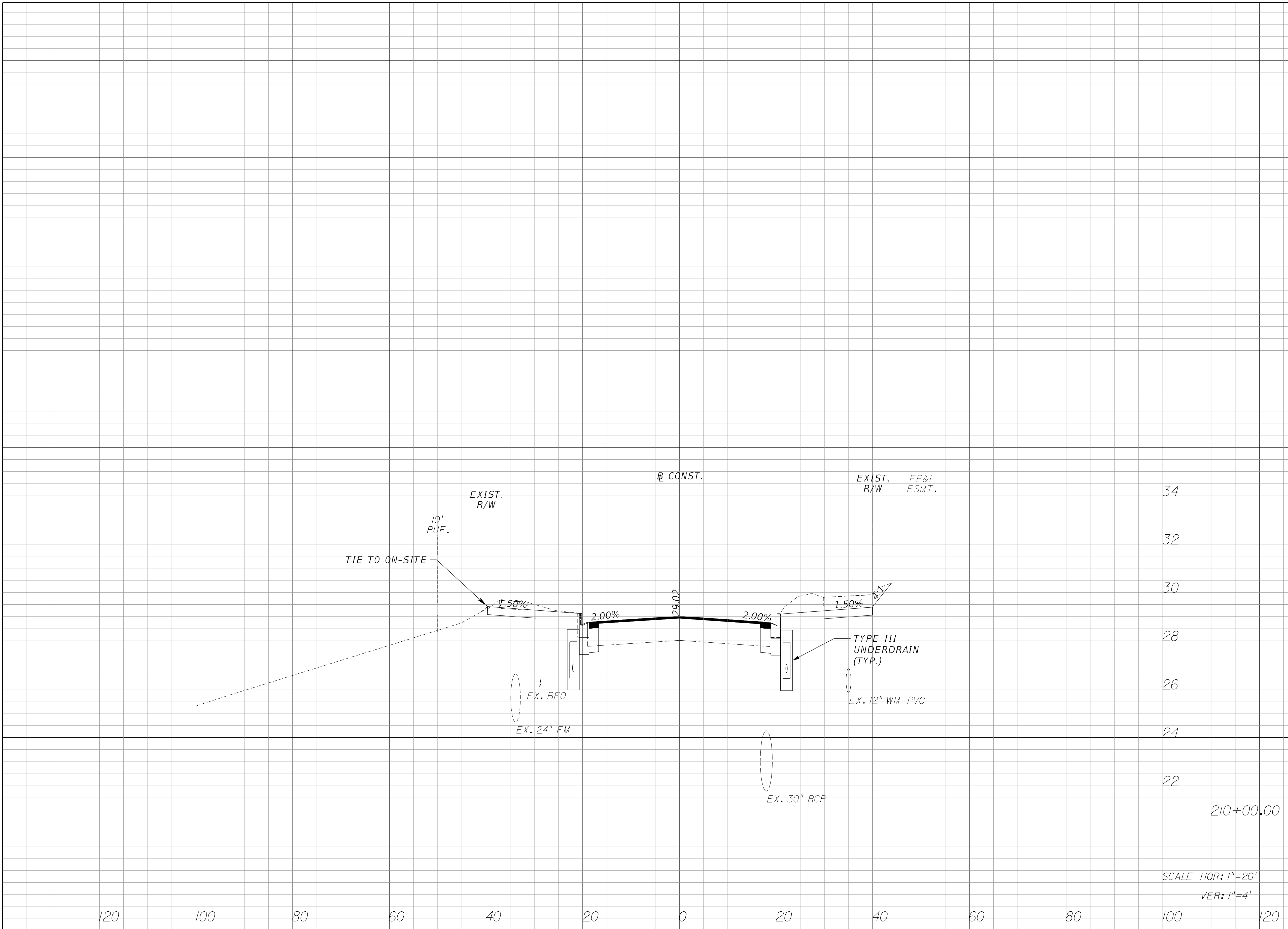
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 ROADWAY IMPROVEMENTS**

CROSS SECTIONS
 PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
 21

Regular		Exc.		Embankment	
A	V	A	V	A	V



REVISIONS					
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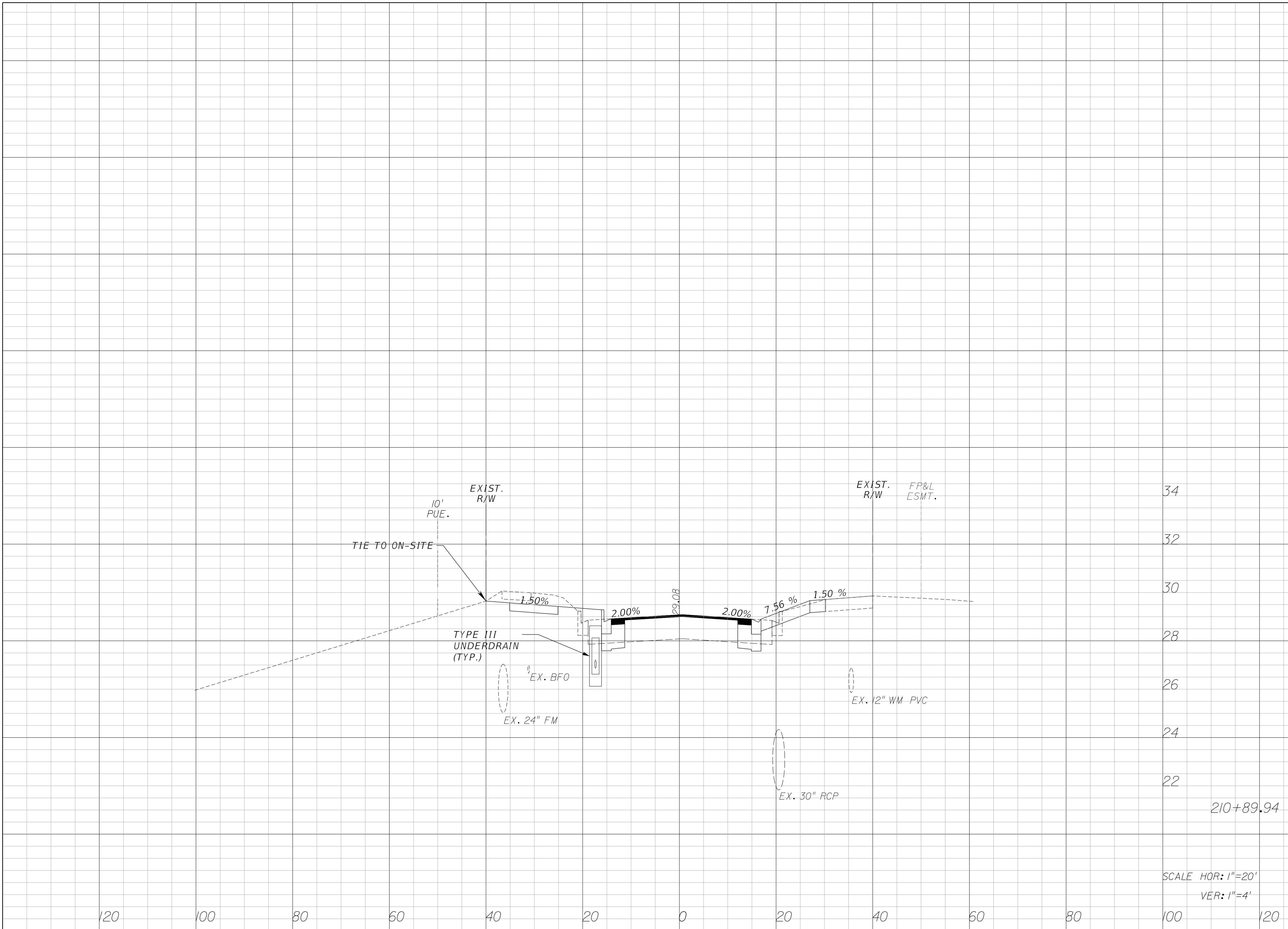
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ROADWAY IMPROVEMENTS**

CROSS SECTIONS
PSLUSD # 5429B
CITY OF PLS # P22-277

SHEET NO.
22

Regular		Exc.		Embankment	
A	V	A	V	A	V



34
32
30
28
26
24
22
210+89.94
SCALE HOR: 1"=20'
VER: 1"=4'

REVISIONS					
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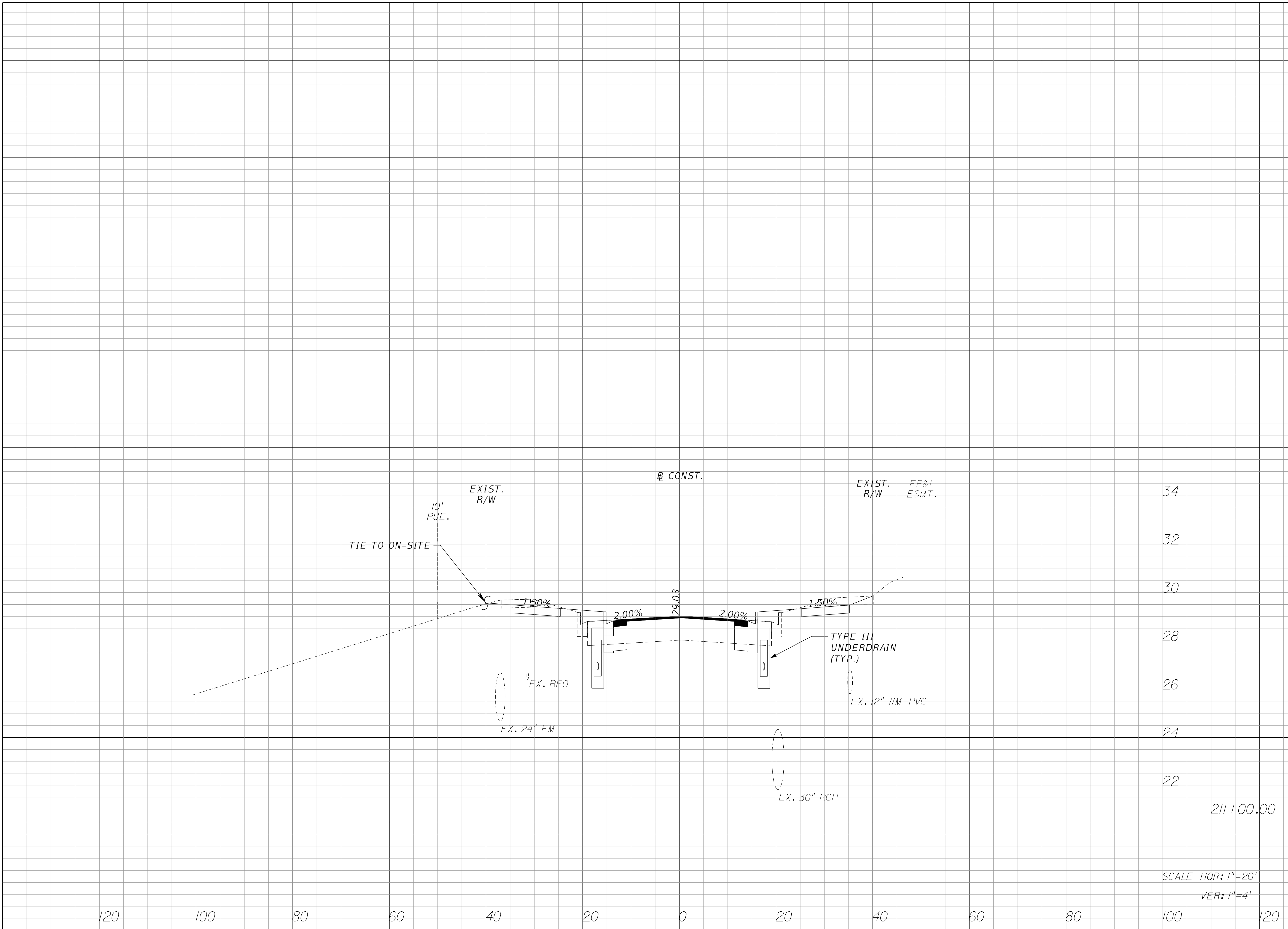
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ROADWAY IMPROVEMENTS

CROSS SECTIONS
PSLUSD # 5429B
CITY OF PLS # P22-277

SHEET NO.
23

Regular		Exc.		Embankment	
A	V	A	V	A	V



34
32
30
28
26
24
22
211+00.00
SCALE HOR: 1"=20'
VER: 1"=4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

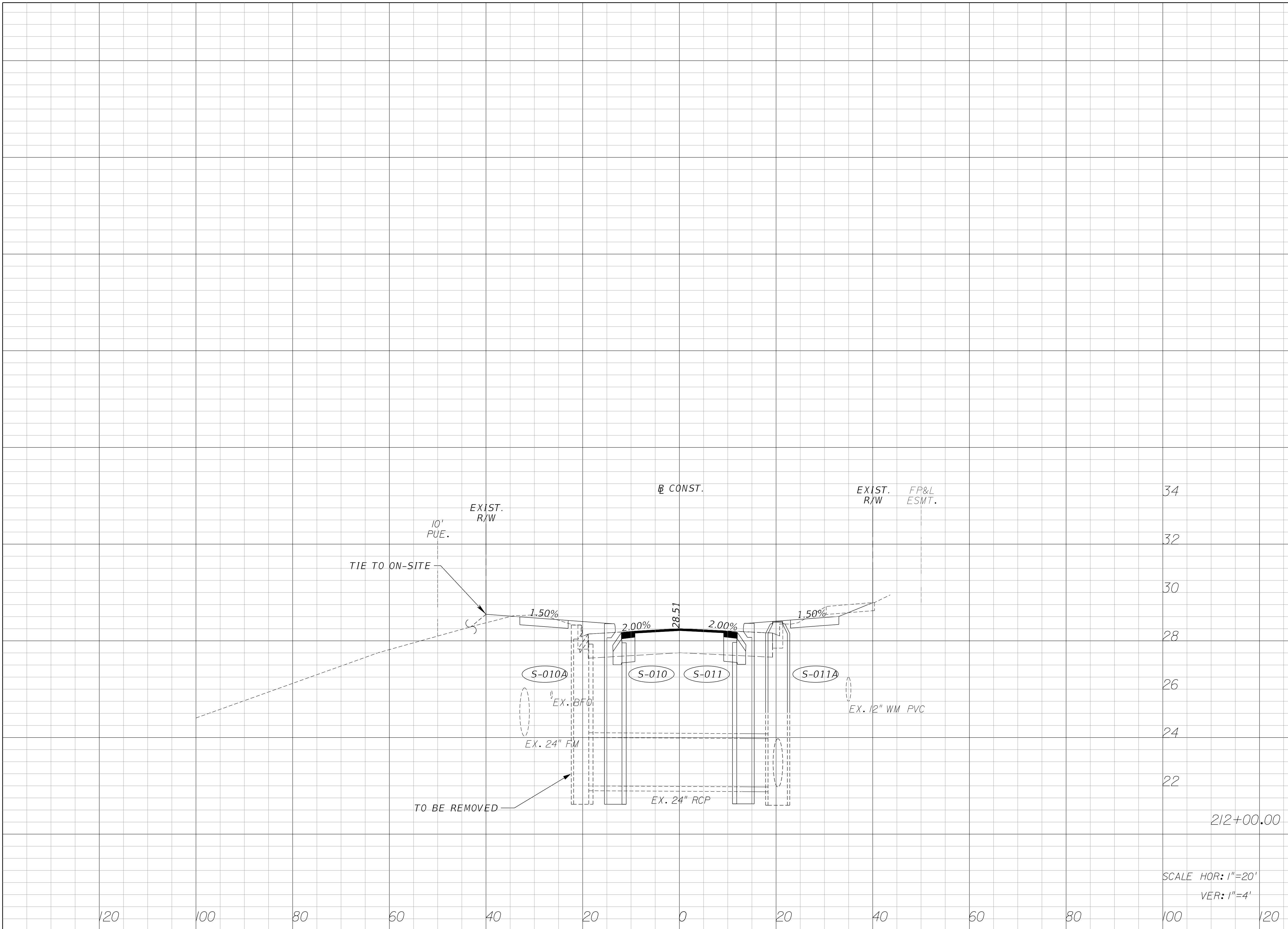
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ROADWAY IMPROVEMENTS

CROSS SECTIONS
PSLUSD # 5429B
CITY OF PLS # P22-277

SHEET NO.
24

Regular		Exc.		Embankment	
A	V	A	V	A	V



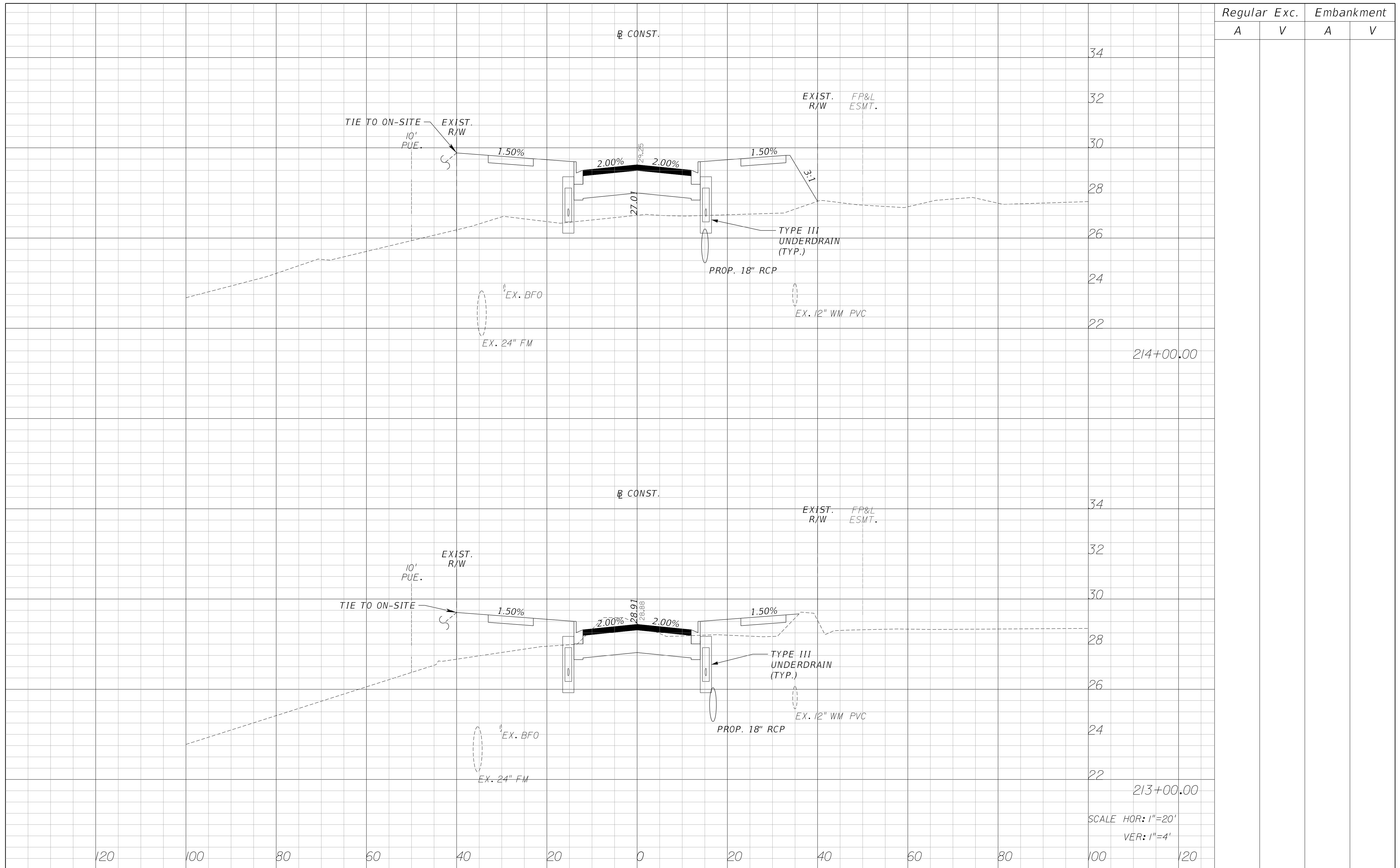
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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ROADWAY IMPROVEMENTS

CROSS SECTIONS
 PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
 25



Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

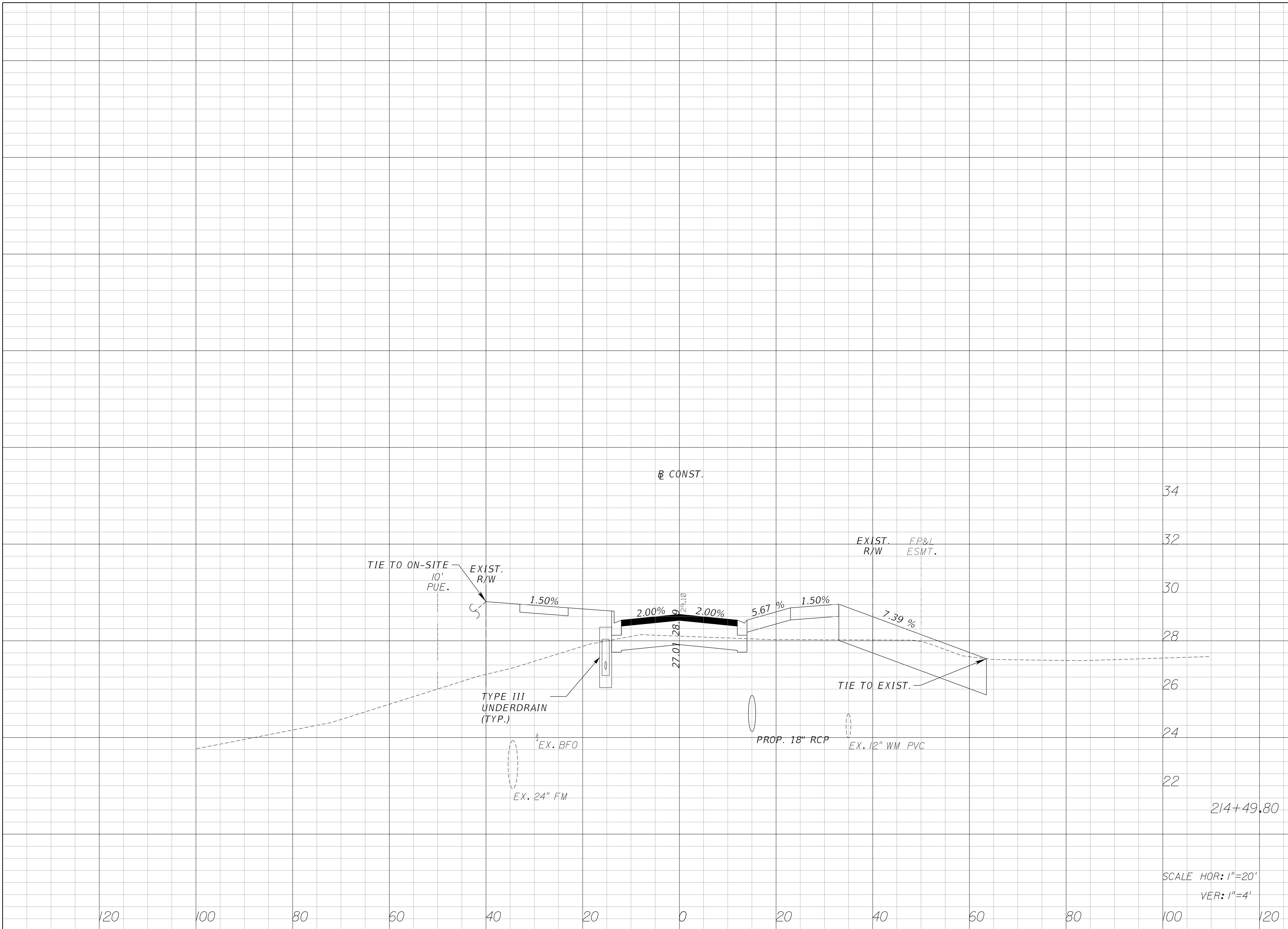
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MATTAMY
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FERNLAKE DRIVE
ROADWAY IMPROVEMENTS

CROSS SECTIONS
 PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
 26

Regular		Exc.		Embankment	
A	V	A	V	A	V



34
32
30
28
26
24
22
214+49.80
SCALE HOR: 1"=20'
VER: 1"=4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

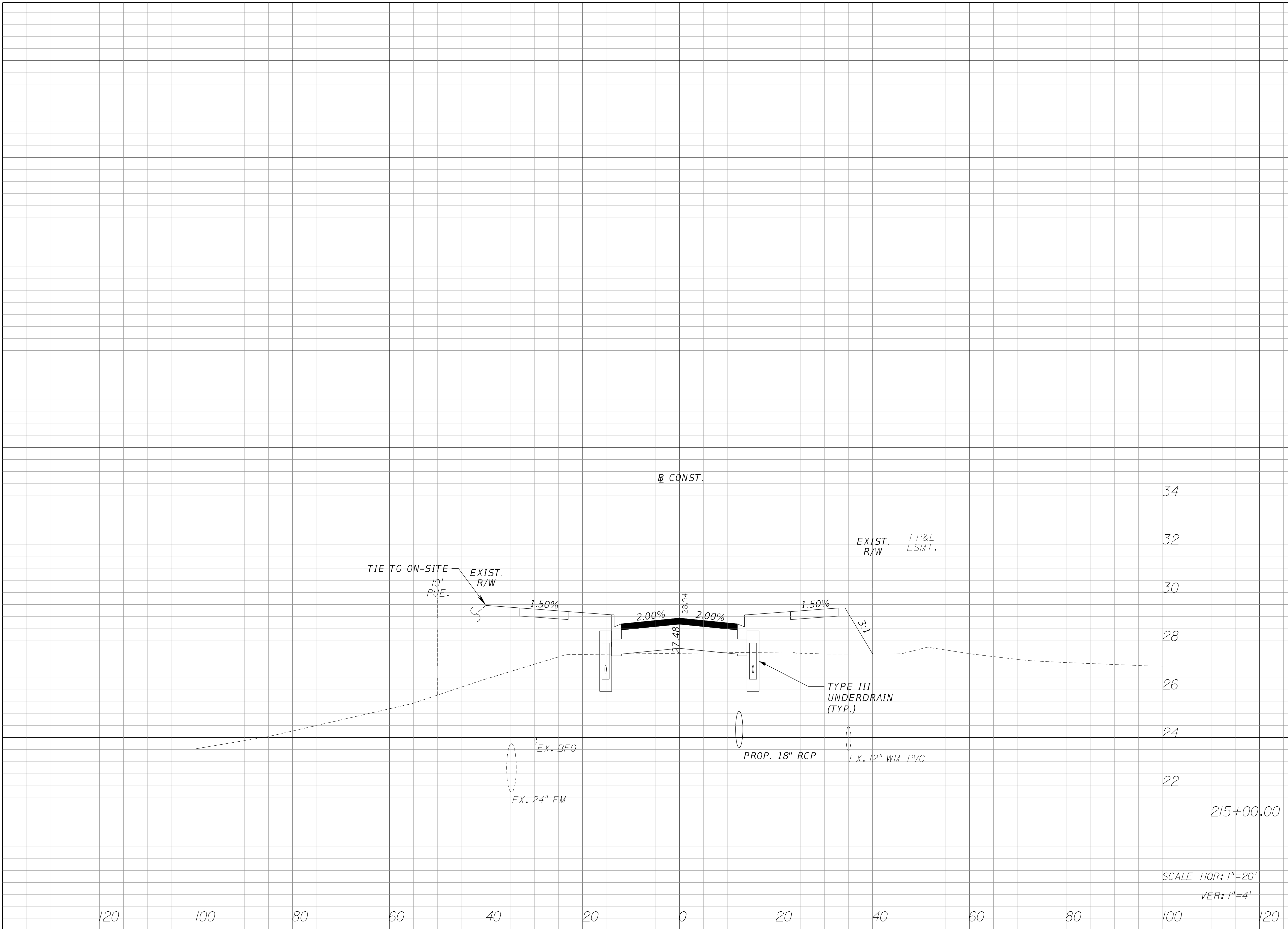
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**MATTAMY
 PALM BEACH, LLC
 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

CROSS SECTIONS
 PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
27

Regular		Exc.		Embankment	
A	V	A	V	A	V



34
32
30
28
26
24
22
215+00.00
SCALE HOR: 1"=20'
VER: 1"=4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

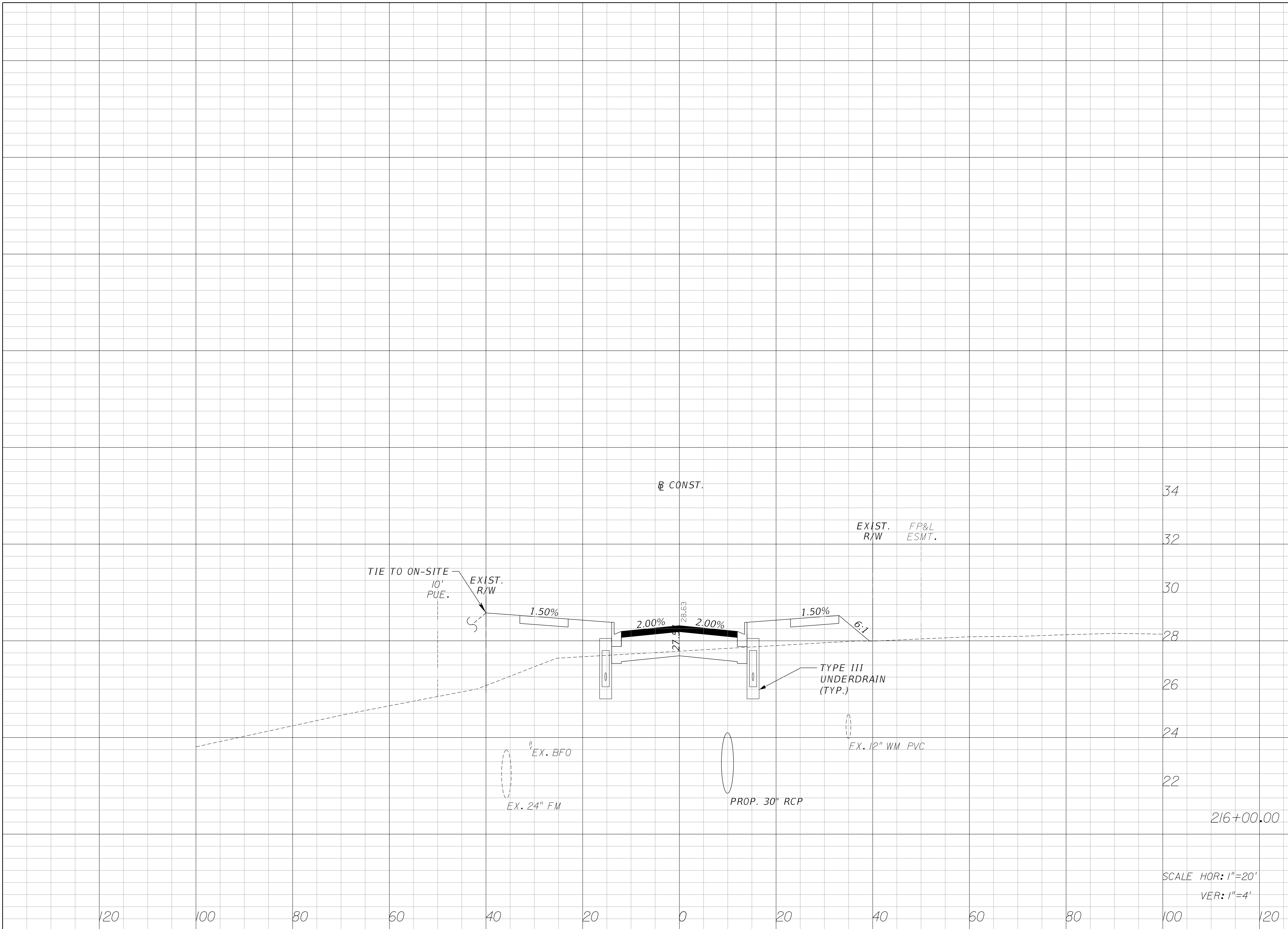
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**MATTAMY
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FERNLAKE DRIVE
ROADWAY IMPROVEMENTS**

CROSS SECTIONS
PSLUSD # 5429B
CITY OF PLS # P22-277

SHEET NO.
28

Regular		Exc.		Embankment	
A	V	A	V	A	V



REVISIONS					
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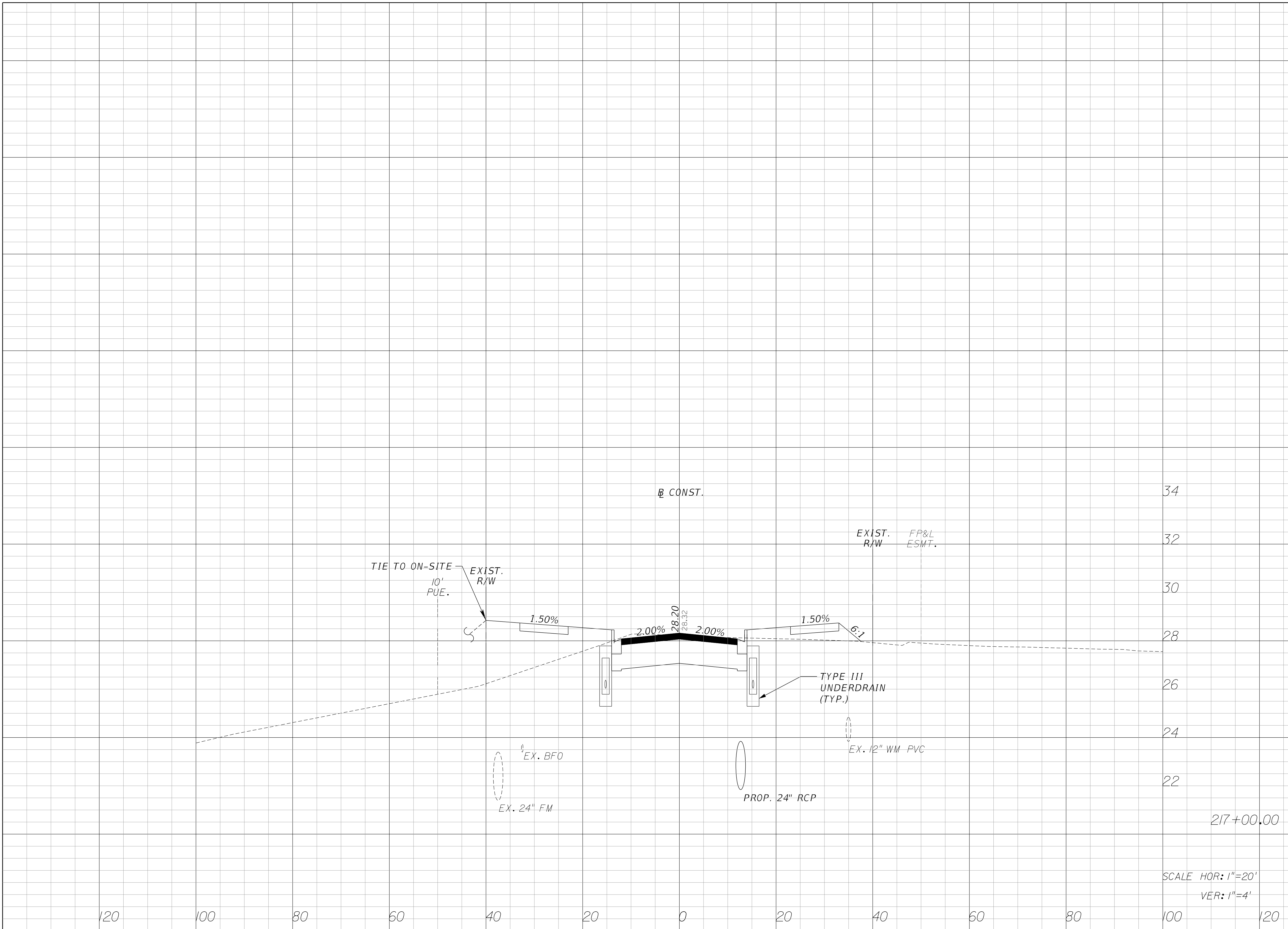
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**MATTAMY
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 FERLAKE DRIVE
 ROADWAY IMPROVEMENTS**

CROSS SECTIONS
PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
 29

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'
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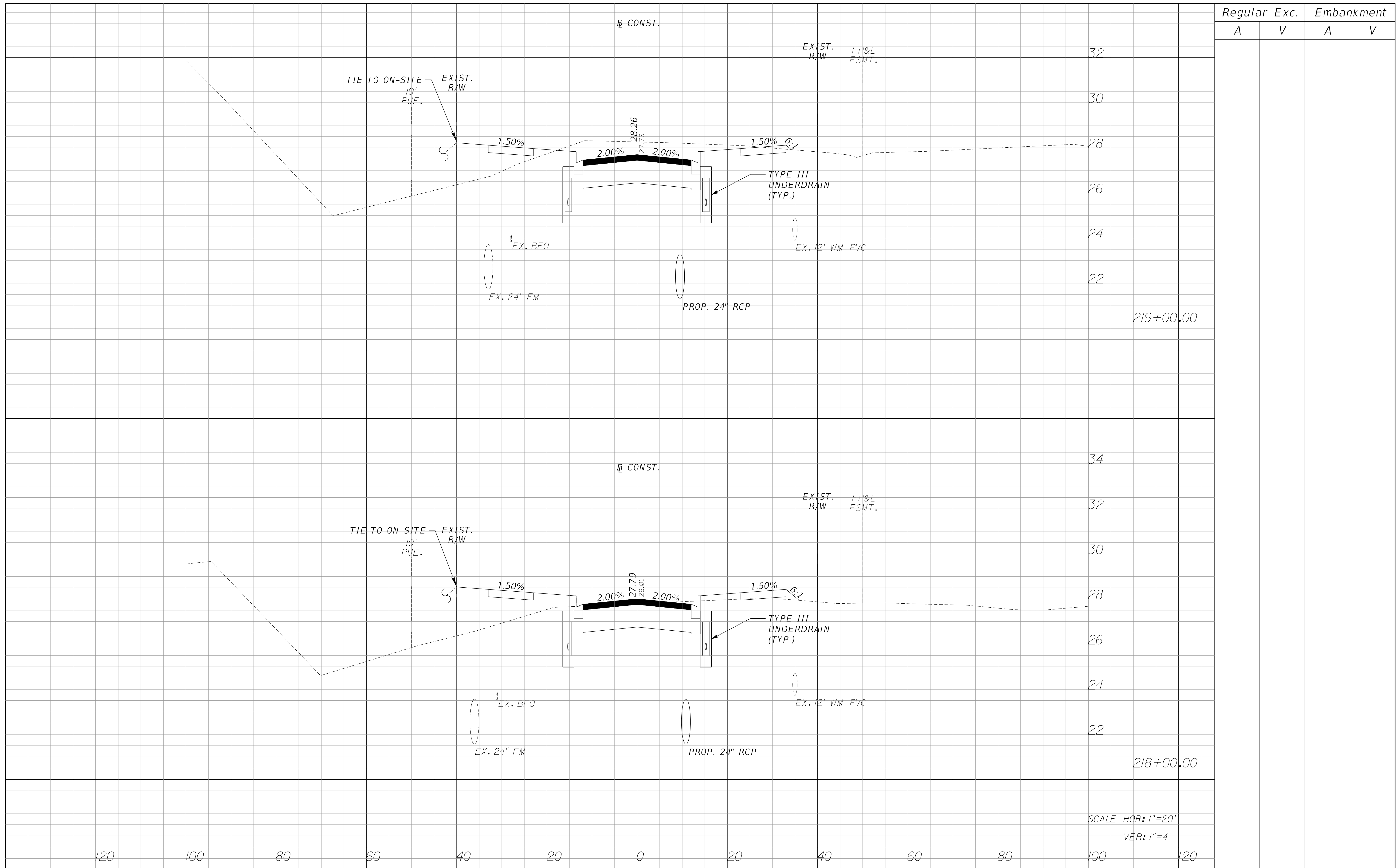
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**MATTAMY
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 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

CROSS SECTIONS
 PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
 30



REVISIONS					
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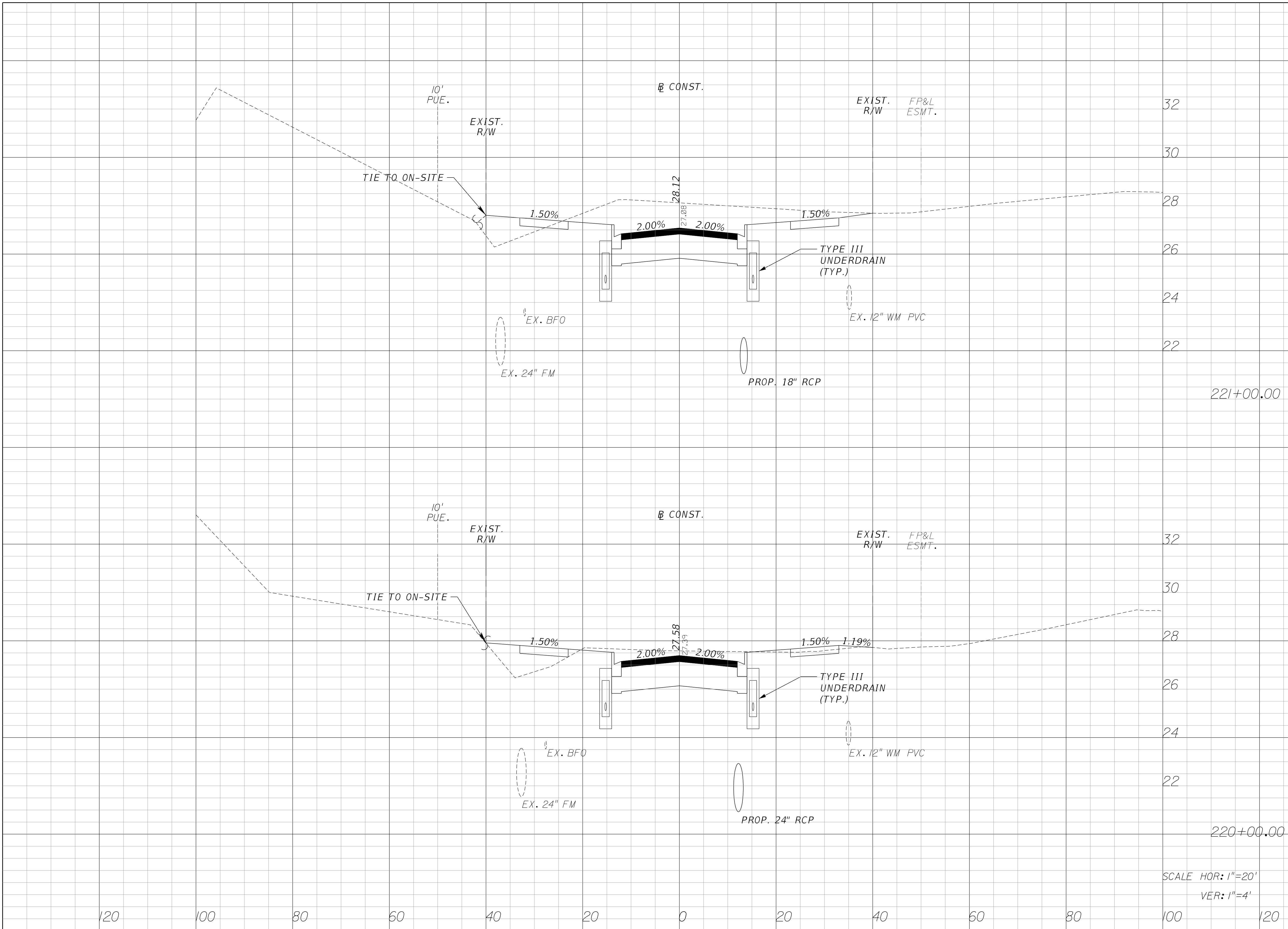
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**MATTAMY
 PALM BEACH, LLC
 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

CROSS SECTIONS
 PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO. 31

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'
VER: 1"=4'

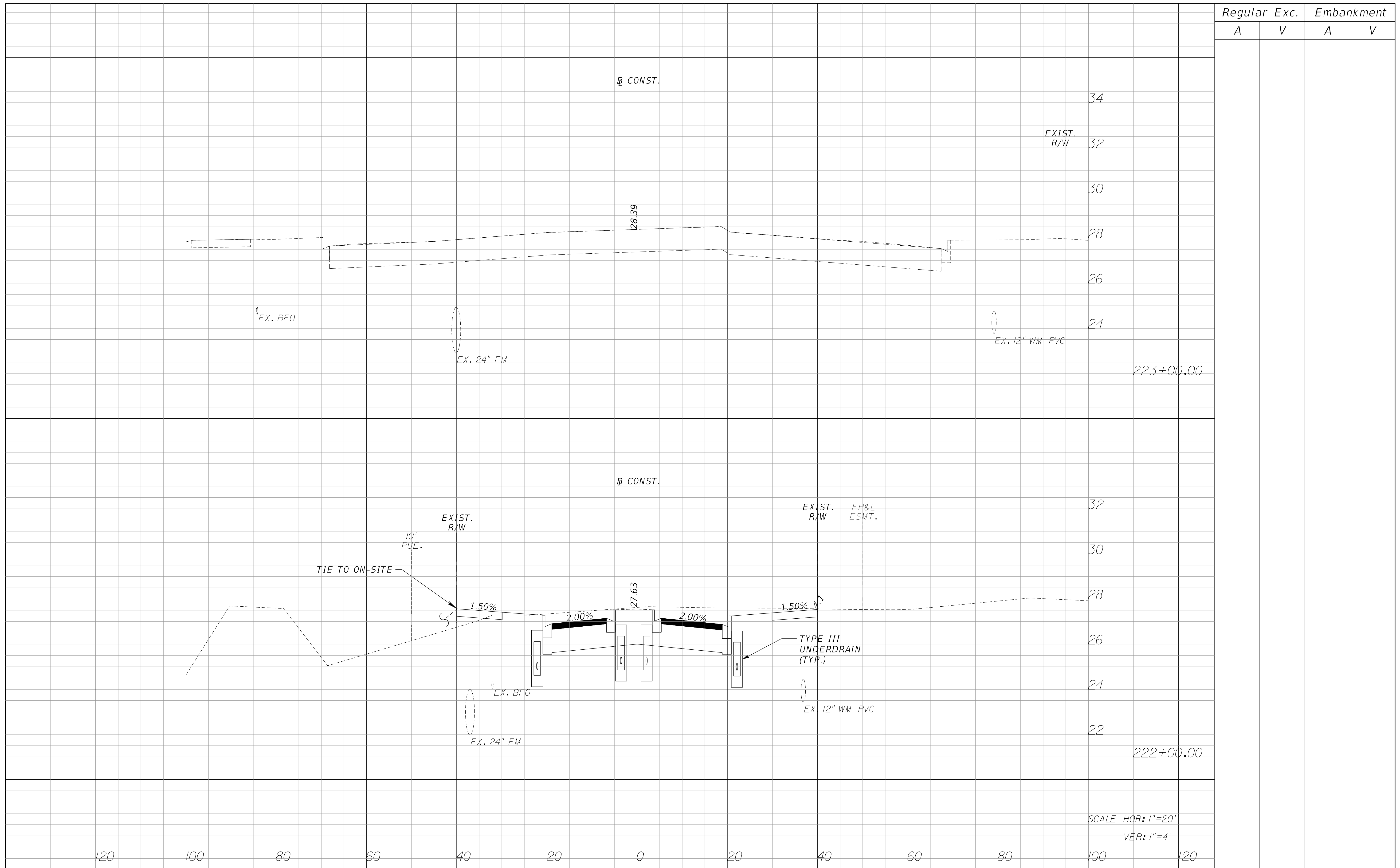
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Kimley»Horn
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P.E. LICENSE NUMBER 64076
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**MATTAMY
PALM BEACH, LLC
FERNLAKE DRIVE
ROADWAY IMPROVEMENTS**

CROSS SECTIONS
PSLUSD # 5429B
CITY OF PLS # P22-277

SHEET NO.
32



Regular		Exc.		Embankment	
A	V	A	V	A	V

120 100 80 60 40 20 0 20 40 60 80 100 120

SCALE HOR: 1"=20'
VER: 1"=4'

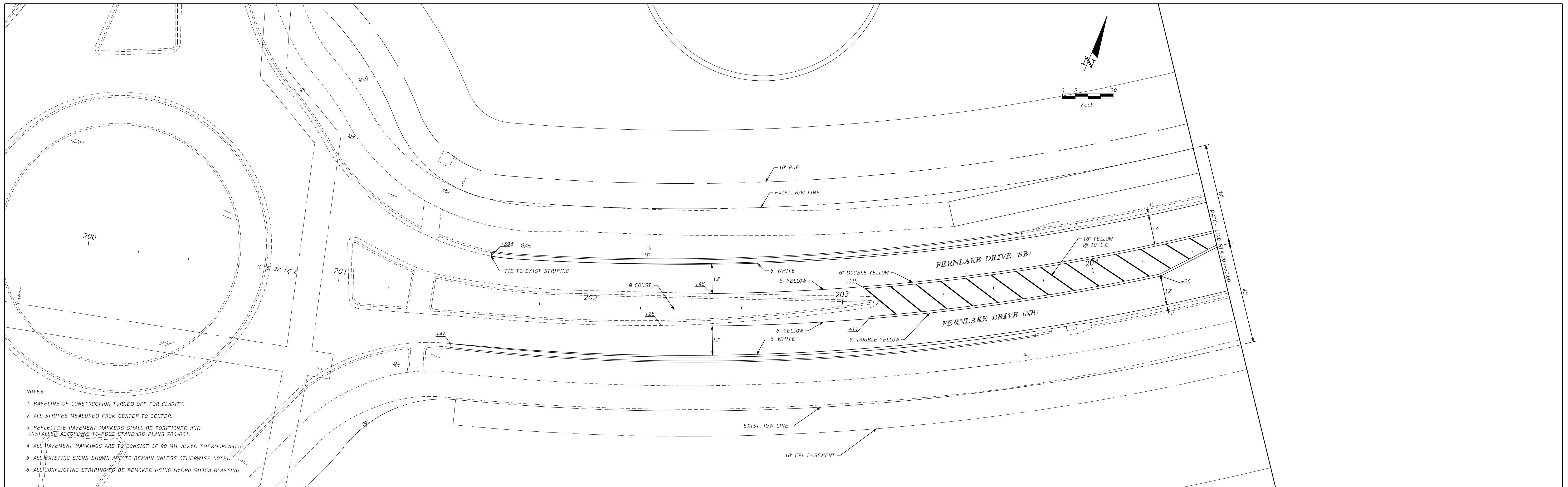
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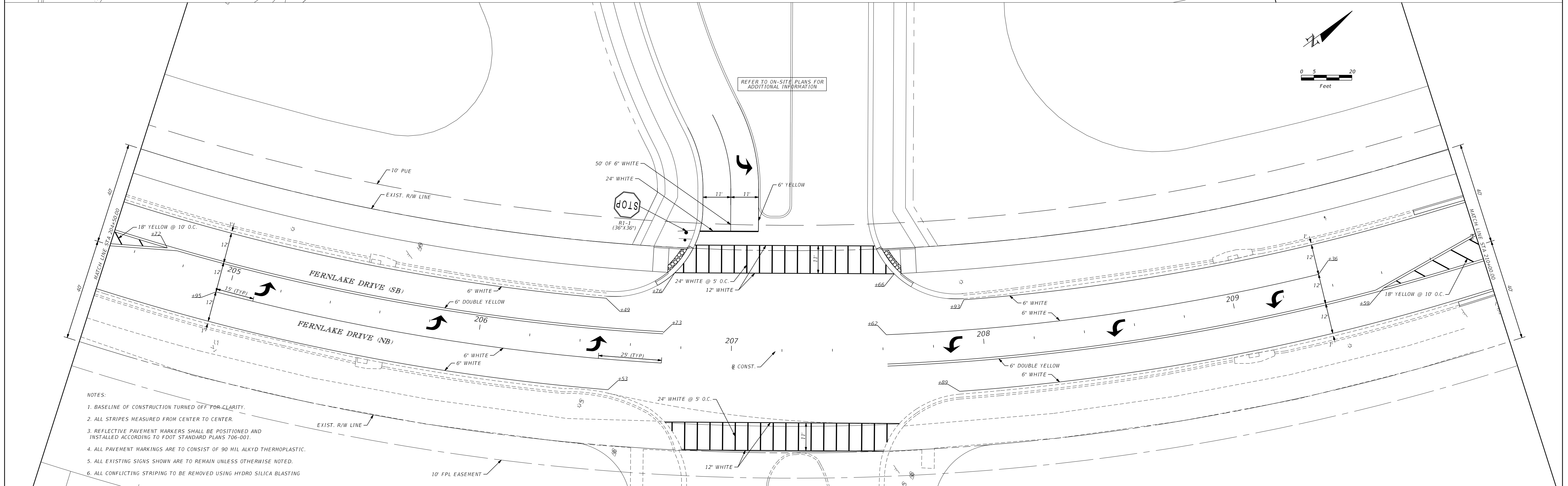
**MATTAMY
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 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

CROSS SECTIONS
 PSLUSD # 5429B
 CITY OF PLS # P22-277

SHEET NO.
33

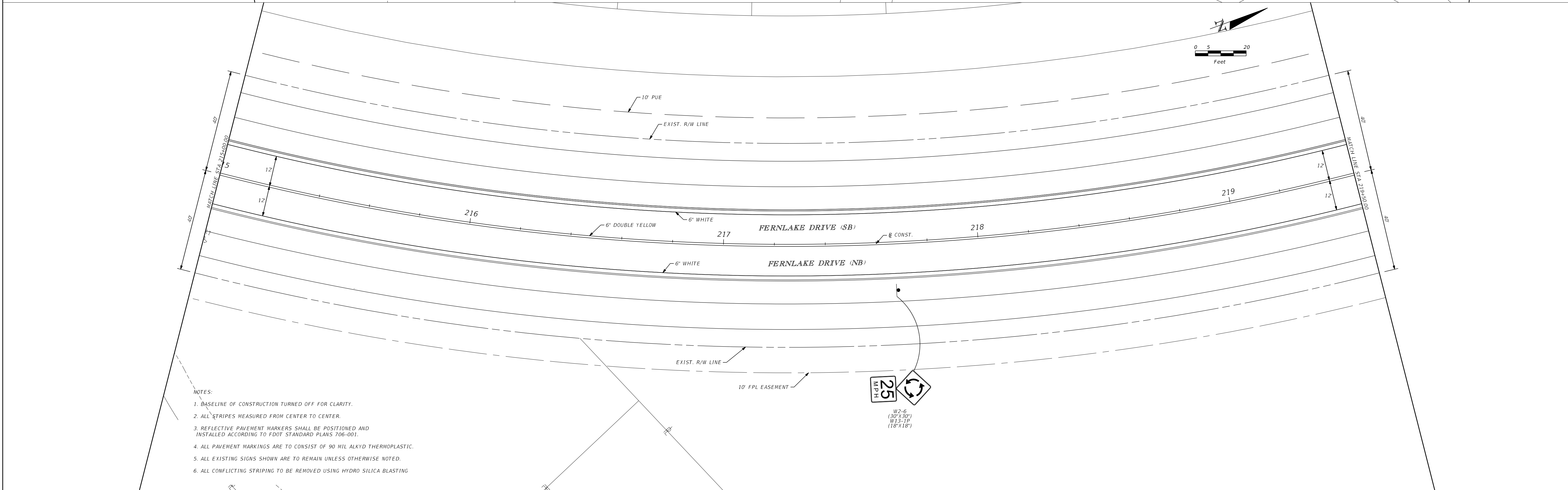
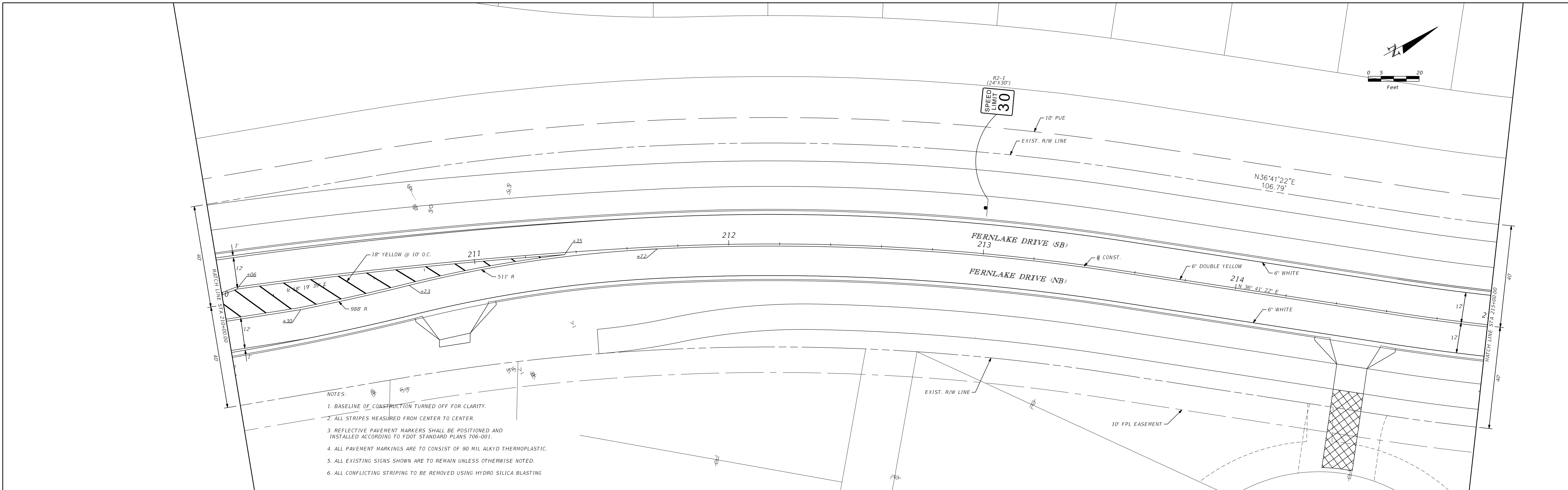


- NOTES:
1. BASELINE OF CONSTRUCTION TURNED OFF FOR CLARITY.
 2. ALL STRIPES MEASURED FROM CENTER TO CENTER.
 3. REFLECTIVE PAVEMENT MARKERS SHALL BE POSITIONED AND INSTALLED ACCORDING TO AASHTO STANDARD PLANS 706-001.
 4. ALL PAVEMENT MARKINGS ARE TO CONSIST OF 90 MIL ALKYD THERMOPLASTIC.
 5. ALL EXISTING SIGNS SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
 6. ALL CONFLICTING STRIPING TO BE REMOVED USING HYDRO SILICA BLASTING.



- NOTES:
1. BASELINE OF CONSTRUCTION TURNED OFF FOR CLARITY.
 2. ALL STRIPES MEASURED FROM CENTER TO CENTER.
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REVISIONS						Kimley»Horn <small>ERIC J. KLEIER, P.E. P.E. LICENSE NUMBER 64076 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106</small>	MATTAMY PALM BEACH, LLC FERNLAKE DRIVE ROADWAY IMPROVEMENTS	SIGNING AND MARKING <small>PSLUSD # 5429B CITY OF PSL # P22-277</small>	SHEET NO. 34
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
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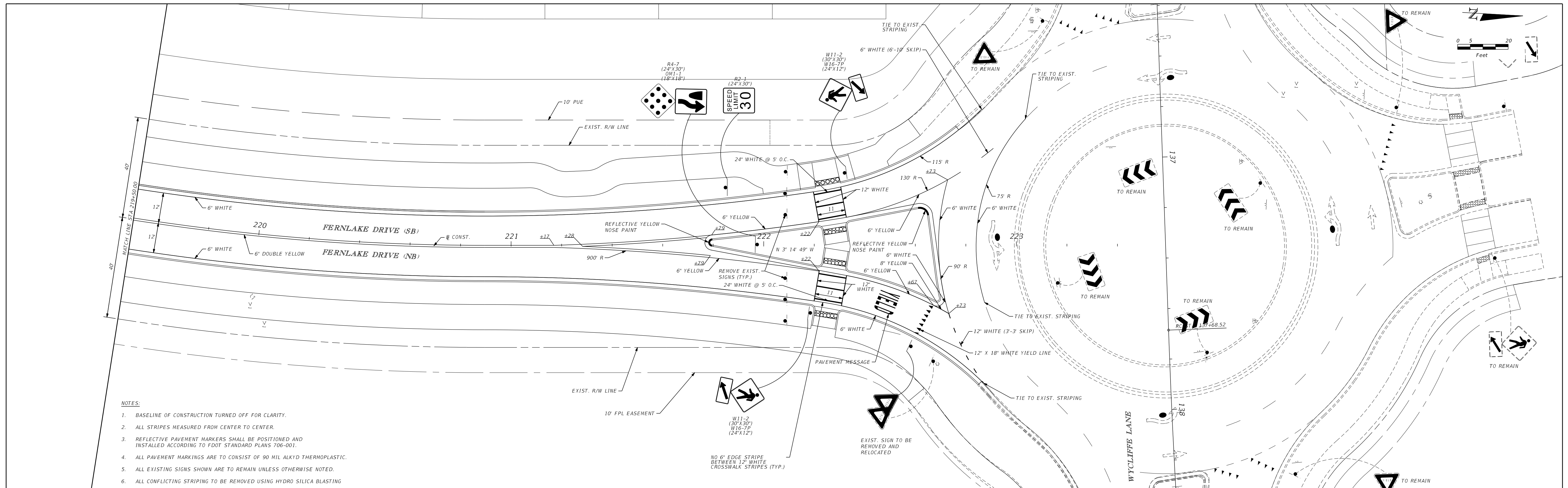


REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn
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 REGISTRY No. 35106

**MATTAMY
 PALM BEACH, LLC
 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

SIGNING AND MARKING
 PSLUSD # 5429B
 CITY OF PSL # P22-277
 SHEET NO. 35



NOTES:

1. BASELINE OF CONSTRUCTION TURNED OFF FOR CLARITY.
2. ALL STRIPES MEASURED FROM CENTER TO CENTER.
3. REFLECTIVE PAVEMENT MARKERS SHALL BE POSITIONED AND INSTALLED ACCORDING TO FDOT STANDARD PLANS 706-001.
4. ALL PAVEMENT MARKINGS ARE TO CONSIST OF 90 MIL ALKYD THERMOPLASTIC.
5. ALL EXISTING SIGNS SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
6. ALL CONFLICTING STRIPING TO BE REMOVED USING HYDRO SILICA BLASTING

REVISIONS						Kimley»Horn <small>ERIC J. KLEIER, P.E. P.E. LICENSE NUMBER 64076 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106</small>	MATTAMY PALM BEACH, LLC FERNLAKE DRIVE ROADWAY IMPROVEMENTS	SIGNING AND MARKING <small>PSLUSD # 5429B CITY OF PSL # P22-277</small>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				36
8/13/2024	Palmer.Stocks		11:51:39 AM		K:\VRB_LDEV\Western Grove 7 - Mattamy\CAD\Rdwy\PLANS_SIGNING\PLANSPO3.dgn				

1. SITE DESCRIPTION

- A. CONSTRUCTION ACTIVITY: ROADWAY IMPROVEMENTS ON FERLAKKE DRIVE
- B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES: SOIL DISTURBING ACTIVITIES WILL TAKE PLACE DURING MUCH OF THE ANTICIPATED CONSTRUCTION PERIOD OF THIS PROJECT. THE FOLLOWING SOIL DISTURBING ACTIVITIES ARE LISTED IN THE APPROXIMATE ORDER IN WHICH THEY ARE ANTICIPATED TO OCCUR.
1. INSTALL STABILIZED CONSTRUCTION ENTRANCE(S)
 2. CLEARING AND GRUBBING
 3. STORMWATER MANAGEMENT FACILITY CONSTRUCTION
 4. EXCAVATION OF SOILS
 5. EMBANKMENT CONSTRUCTION
 6. STABILIZATION AND TEMPORARY SODDING
 7. ROADWAY GRADING AND CONSTRUCTION
 8. FINAL GRADING AND SODDING
- C. TOTAL PROJECT AREA: 2.55 AC
TOTAL AREA TO BE DISTURBED: 2.55 AC

D. RUNOFF DATA:

THE FOLLOWING IS A LIST OF THE DRAINAGE BASIN, THE AREA OF THE BASIN AND THE RUNOFF COEFFICIENT BEFORE, DURING, AND AFTER CONSTRUCTION.

BASIN	AREA (AC)	BEFORE CONSTRUCTION	DURING CONSTRUCTION	AFTER CONSTRUCTION
FERLAKKE DRIVE	1.88	0.35	0.54	0.73

E. SITE MAP: SEE KEY SHEET

F. RECEIVING WATERS: TRADITION MASTER SURFACE WATER MANAGEMENT SYSTEM.

2. CONTROLS

A. EROSION AND SEDIMENT CONTROLS: THE SOIL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED BY THE CONTRACTOR TO MINIMIZE THE AMOUNT OF SOIL DISTURBED, PREVENT OFF-SITE RUNOFF FROM DISCHARGING ACROSS DISTURBED AREAS, AND REMOVE ON-SITE SEDIMENT PRIOR TO DISCHARGE OF RUNOFF FROM THE SITE.

ALL ITEMS REPRESENTED IN THE FOLLOWING DISCUSSION ARE TREATED IN DETAIL IN THE "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION OR WILL BE IMPLEMENTED BY THE ENGINEER IN A MANNER APPROPRIATE TO ENVIRONMENTALLY SENSITIVE CONSTRUCTION PRACTICES. THE CONTRACTOR WILL GENERATE SITE SPECIFIC EROSION CONTROL PLAN INCLUDING AN IMPLEMENTATION SCHEDULE FOR EACH PHASE OF CONSTRUCTION OPERATIONS OR ACTIVITIES. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS AND SUPPLY CONTRACT TIME SCHEDULES FOR THE IMPLEMENTATION OF EACH SUBMIT.

(A) STABILIZATION PRACTICES: DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE TEMPORARY SEEDING FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN 14 CALENDAR DAYS. THE ENTIRE CLEARED AND UNPAVED PORTION OF THE PROJECT WILL BE SODDED OR MULCHED AND SEEDING UPON COMPLETION. BARE SOIL AREAS WILL BE KEPT TO A MINIMUM. STABILIZATION PRACTICES WILL INCLUDE:

- PERMANENT SODDING
- LIMITING SLOPE SLOPES
- MINIMIZING THE AREA OF DISTURBED SOILS AT ANY GIVEN TIME
- PRESERVATION OF NATURAL VEGETATION
- SOIL RETAINING MEASURES
- DUST CONTROL

(B) STRUCTURAL PRACTICES WILL INCLUDE:

- STAKED SILT FENCES (LF)
- SYNTHETIC BALES (LF)
- ROCK BARS (FB)
- RETENTION/DEFLECTION PONDS
- STORM DRAIN INLET PROTECTION

(C) PHASING OF CONTROLS

PHASE I - INSTALLATION OF ENVIRONMENTAL CONTROL FEATURES

A. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS QUANTITIES ARE TO BE INSTALLED THROUGHOUT THE CLEARING AND GRUBBING LIMITS OF ENVIRONMENTALLY SENSITIVE AREAS AS SHOWN IN PLANS (PRIOR TO CLEARING AND GRUBBING)

B. THE CONTRACTOR WILL BE REQUIRED TO PREPARE A SITE SPECIFIC EROSION CONTROL PLAN ALONG WITH A SPECIFIC CONSTRUCTION SCHEDULE FOR IMPLEMENTATION. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS.

PHASE II - CLEARING AND GRUBBING

CLEARING AND GRUBBING SHALL BE DONE AS INDICATED ON THE TYPICAL SECTIONS OR AS NOTED IN THE PLANS.

PHASE III - EXCAVATION OF MUCK SOILS AND EMBANKMENT AND SURCHARGE CONSTRUCTION

ENVIRONMENTAL CONTROLS, INCLUDING SYNTHETIC BALES, SILT FENCES, SEDIMENTATION BASINS AND OTHER CONTROLS, AS APPROPRIATE, SHALL BE IN PLACE PRIOR TO THE INITIATION OF EMBANKMENT AND SURCHARGE AREA CONSTRUCTION.

PHASE IV - DRAINAGE SYSTEM OR ENVIRONMENTAL CONTROL FEATURES

A. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS QUANTITIES ARE TO BE INSTALLED IN ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. ALL STREAMS OR DITCHES ARE TO BE PROTECTED FROM EROSION OR SILTATION BY THE METHODS DETAILED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). INLET ENTRANCES ARE ALSO TO BE PROTECTED FROM SILTATION AS DETAILED IN THE SWPPP. THESE INCLUDE STAKED SYNTHETIC BALES, SEDIMENT BASINS, TURBIDITY BARRIERS, SILT FENCE BARRIERS AND OTHERS, AS APPROPRIATE.

B. THE CONTRACTOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (10 METERS ABOVE BACKGROUND). TESTING WILL TAKE PLACE TO SUBSTANTIATE THE INTENT OF THE PROJECT PERMITS THROUGHOUT THE DURATION OF THE PROJECT. IF THE WATER QUALITY STANDARD IS VIOLATED, SEDIMENT AND EROSION CONTROL MEASURES WILL BE REEVALUATED AND RE-INSTALLED AS DIRECTED BY THE ENGINEER.

PHASE V - PERMANENT ENVIRONMENTAL CONTROLS

TEMPORARY ENVIRONMENTAL CONTROLS WILL BE REMOVED AFTER NEW ROADWAYS HAVE BEEN OPENED, AND PERMANENT EROSION, SEDIMENT AND STORM WATER CONTROL ARE IN PLACE AND FUNCTIONING. FINAL CLEAN UP WILL TAKE PLACE AND ANY TEMPORARY SURFACE WATER DIVERSIONS OR CONTROL FEATURES WILL BE CONNECTED TO THE PERMITTED STORMWATER MANAGEMENT SYSTEM.

B. STORMWATER MANAGEMENT: STORMWATER MANAGEMENT WILL BE VIA THE PERMITTED STORMWATER MANAGEMENT SYSTEM.

C. OTHER CONTROLS

A) WASTE DISPOSAL: THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ALL FERTILIZERS, HERBICIDES, OR OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD

B) OFF-SITE VEHICLE TRACKING: WILL BE CONTROLLED BY THE FOLLOWING METHODS:

- HAIL ROADS DAMPENED FOR DUST CONTROL
- LOADED TRUCKS TO BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROADS TO BE REMOVED DAILY
- SOIL TRACKING PREVENTION DEVICE TYPE A

C) SANITARY WASTE: ANY FIELD OFFICES WILL HAVE PORTABLE TOILET FACILITIES OR THE CONTRACTOR WILL OBTAIN PERMITS FOR SEWAGE TREATMENT IN ACCORDANCE WITH 10D-6 F.A.C. "STANDARDS FOR ON-SITE SEWAGE DISPOSAL SYSTEMS".

D) FERTILIZERS AND PESTICIDES: FERTILIZERS WILL BE USED ON THIS PROJECT IN ACCORDANCE WITH "FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 808. TO AVOID NUTRIENT LOADING TO SURFACE WATERS, FERTILIZERS USED ON THIS PROJECT WILL NOT BE APPLIED WITHIN FIFTY (50) FEET OF ANY SURFACE WATERS WITHIN THE PROJECT LIMITS.

D. PERMITS

THE FOLLOWING PERMITS HAVE BEEN OBTAIN FOR THE PROJECT:

N/A

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE FOLLOWING PERMITS:

- FDEP - NPDES PERMIT
- SPWMD - TEMPORARY DEWATERING PERMIT (IF NEEDED)

ADDITIONAL PERMIT FEES ARE TO BE INCLUDED IN THE COST OF MOBILIZATION.

3. MAINTENANCE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT. MAINTENANCE SHALL BE CONDUCTED IN ACCORDANCE WITH "FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 104 AND FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES UNTIL ACCEPTANCE OF THE COMPLETED PROJECT BY FOOT.

MAINTENANCE AND REPAIR REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF PAY ITEM 104-2.

THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

GENERAL:

THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH NPDES PERMIT NO. FLR 100000. ALL CONTROL MEASURES WILL BE MAINTAINED BY THE CONTRACTOR. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

STRUCTURAL PRACTICES CONTROLS:

BUILT-UP SEDIMENT WILL BE REMOVED FROM SILT FENCE AND STAKED TURBIDITY BARRIERS NOT LATER THAN WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

TEMPORARY AND PERMANENT SEEDING, SODDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

SOIL TRACKING PREVENTION DEVICE TYPE A SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPROVE THE USEFULNESS OF THE STRUCTURE.

FLOATING TURBIDITY BARRIER WILL BE MAINTAINED WITH RESPECT TO DEPTH OF SEDIMENT AND ENSURE THAT THE FABRIC IS ATTACHED SECURELY TO THE FLOATS AND ANCHORED PROPERLY AT THE BOTTOM FOR PROPER SEDIMENT CONTROL.

4. INSPECTION

ALL EROSION AND WATER POLLUTION ABATEMENT AND CONTROL MEASURES WILL BE INSPECTED DAILY BY THE CONTRACTOR.

INSPECTIONS ARE TO BE PERFORMED BY QUALIFIED PERSONNEL WHO HAVE COMPLETED THE FLORIDA STORM WATER, EROSION AND SEDIMENT CONTROL TRAINING AND CERTIFICATION PROGRAM FOR INSPECTORS AND CONTRACTORS WHO HAVE PASSED THE EXAMINATION.

INSPECTION AREAS: LOCATIONS OR AREAS TO BE INSPECTED INCLUDE BUT ARE NOT LIMITED TO:

- DISCHARGE POINTS TO WATERS OF THE UNITED STATES
- DISCHARGE POINTS TO NS4 FACILITIES
- AREAS NOT MEETING THE FINAL STABILIZATION CRITERIA
- MATERIALS STORAGE/STOCKPILES
- SEDIMENTATION FACILITIES
- STRUCTURAL FACILITIES
- VEHICLE ENTRANCES/LITS
- ON-SITE STORMWATER MANAGEMENT SYSTEMS

THE CONTRACTOR SHALL USE THE CONSTRUCTION INSPECTION REPORT FORM 650-040-03 FOR DAILY INSPECTIONS.

THE CONTRACTOR'S DAILY INSPECTIONS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF PAY ITEM 104-2A.

TRACKING AND REPORTING

THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE INSPECTION REPORT FORM 650-040-03 EVERY 7 DAYS AND AFTER ANY 0.50 INCH (OR MORE) RAINFALL EVENT. A COPY OF THE INSPECTION REPORT SHALL BE SUBMITTED TO THE ENGINEER WEEKLY.

THE CITY SHALL MAINTAIN ALL RECORDS SUBMITTED BY THE CONTRACTOR.

PREPARATION OF THE CONTRACTOR'S WEEKLY REPORTS OF INSPECTIONS, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF PAY ITEM 104-2.

5. NON-STORM WATER DISCHARGE AND HAZARDOUS WASTE

THE CONTRACTOR WILL PROVIDE THE CITY OF PORT ST. LUCIE WITH AN EROSION CONTROL PLAN THAT INCORPORATES THE CONSTRUCTION SCHEDULE AND WILL INCLUDE SPILL REPORTING AND RESPONSE. WHEN THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP WORK AND WORK WILL NOT RESUME UNTIL DIRECTED BY THE ENGINEER. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH ANY REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE OR FEDERAL AGENCY HAVING JURISDICTION.

6. REFERENCES

THE CONSTRUCTION PLANS AND SPECIFICATIONS FOR TRADITION PARKWAY ROADWAY IMPROVEMENTS HEREBY REFERENCED AND MADE PART OF THIS STORMWATER POLLUTION PREVENTION PLAN.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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VERO BEACH, FL 32960
(772) 794-4100
REGISTRY No. 35106

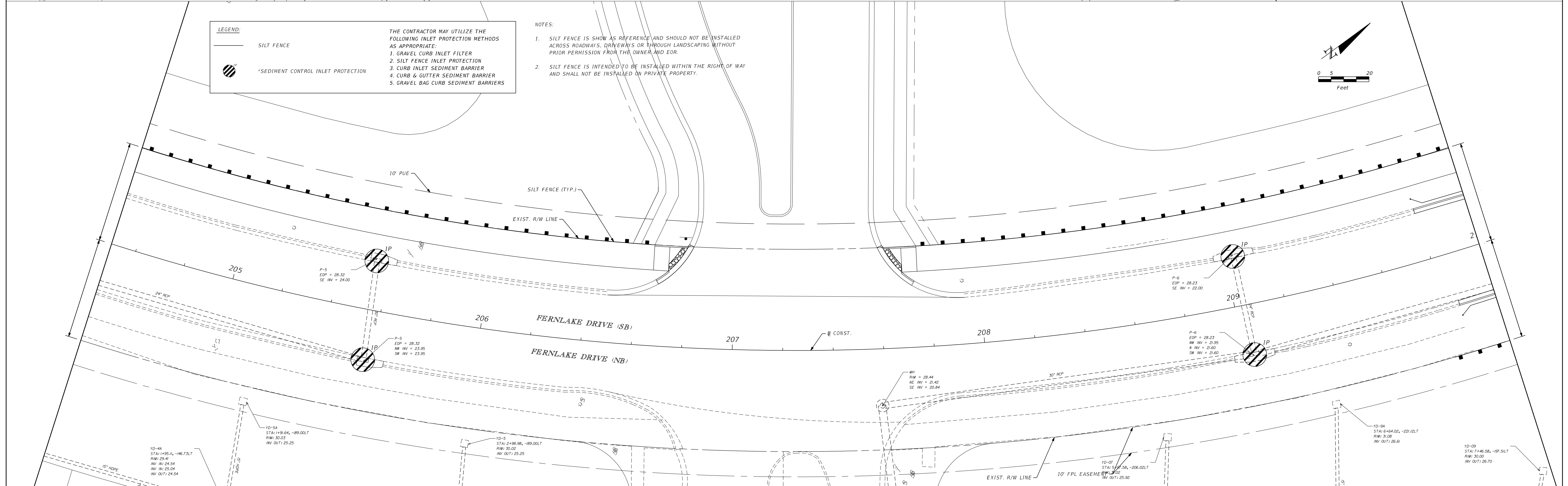
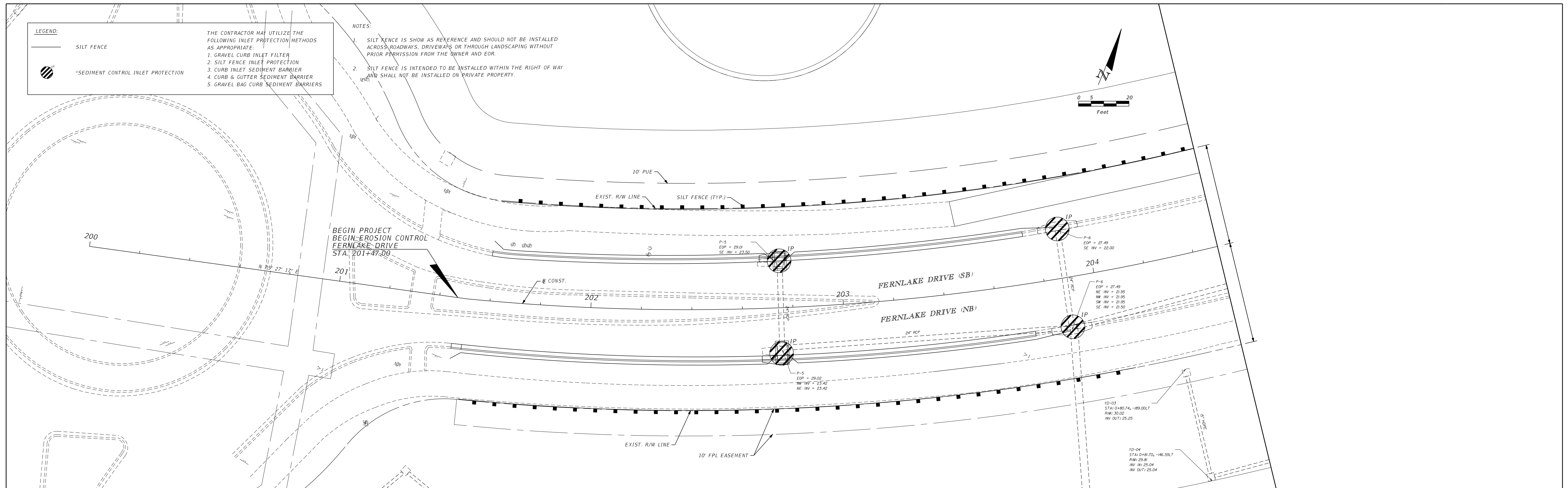
**MATTAMY
PALM BEACH, LLC
FERLAKKE DRIVE
ROADWAY IMPROVEMENTS**

**EROSION CONTROL
GENERAL NOTES**

PSLUSD # 5429B
CITY OF PSL # P22-277

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EROSION CONTROL
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 CITY OF PSL # P22-277

SHEET NO.
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LEGEND:

— SILT FENCE

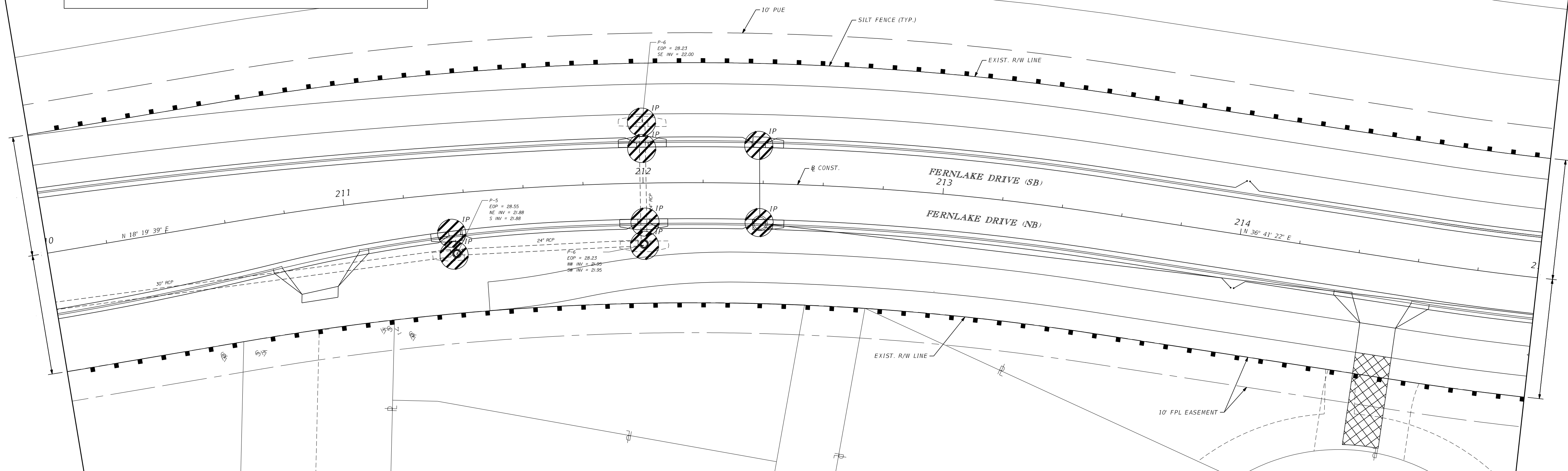
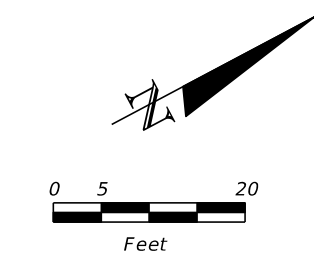
⊗ SEDIMENT CONTROL INLET PROTECTION

THE CONTRACTOR MAY UTILIZE THE FOLLOWING INLET PROTECTION METHODS AS APPROPRIATE:

1. GRAVEL CURB INLET FILTER
2. SILT FENCE INLET PROTECTION
3. CURB INLET SEDIMENT BARRIER
4. CURB & GUTTER SEDIMENT BARRIER
5. GRAVEL BAG CURB SEDIMENT BARRIERS

NOTES:

1. SILT FENCE IS SHOWN AS REFERENCE AND SHOULD NOT BE INSTALLED ACROSS ROADWAYS, DRIVEWAYS OR THROUGH LANDSCAPING WITHOUT PRIOR PERMISSION FROM THE OWNER AND EOR.
2. SILT FENCE IS INTENDED TO BE INSTALLED WITHIN THE RIGHT OF WAY AND SHALL NOT BE INSTALLED ON PRIVATE PROPERTY.



LEGEND:

— SILT FENCE

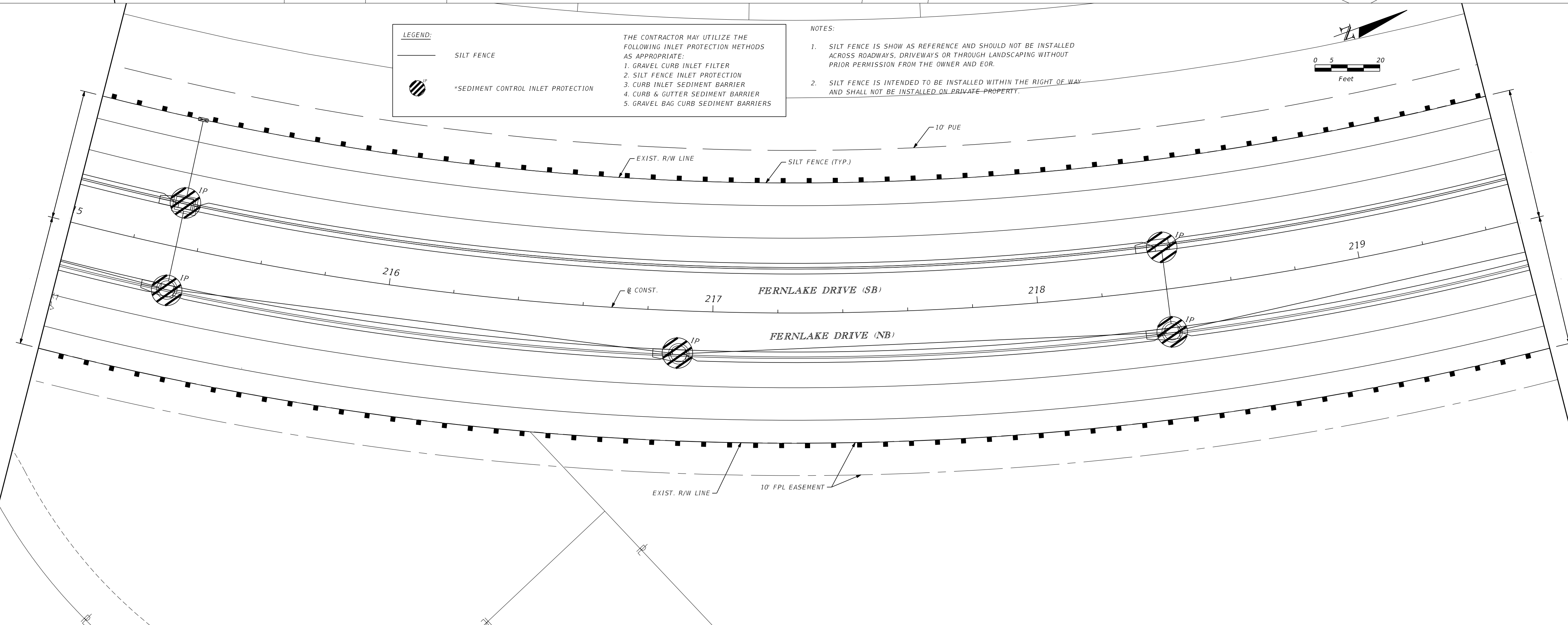
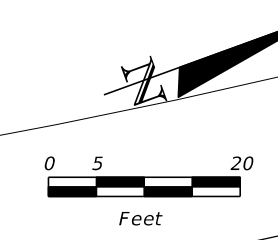
⊗ SEDIMENT CONTROL INLET PROTECTION

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1. GRAVEL CURB INLET FILTER
2. SILT FENCE INLET PROTECTION
3. CURB INLET SEDIMENT BARRIER
4. CURB & GUTTER SEDIMENT BARRIER
5. GRAVEL BAG CURB SEDIMENT BARRIERS

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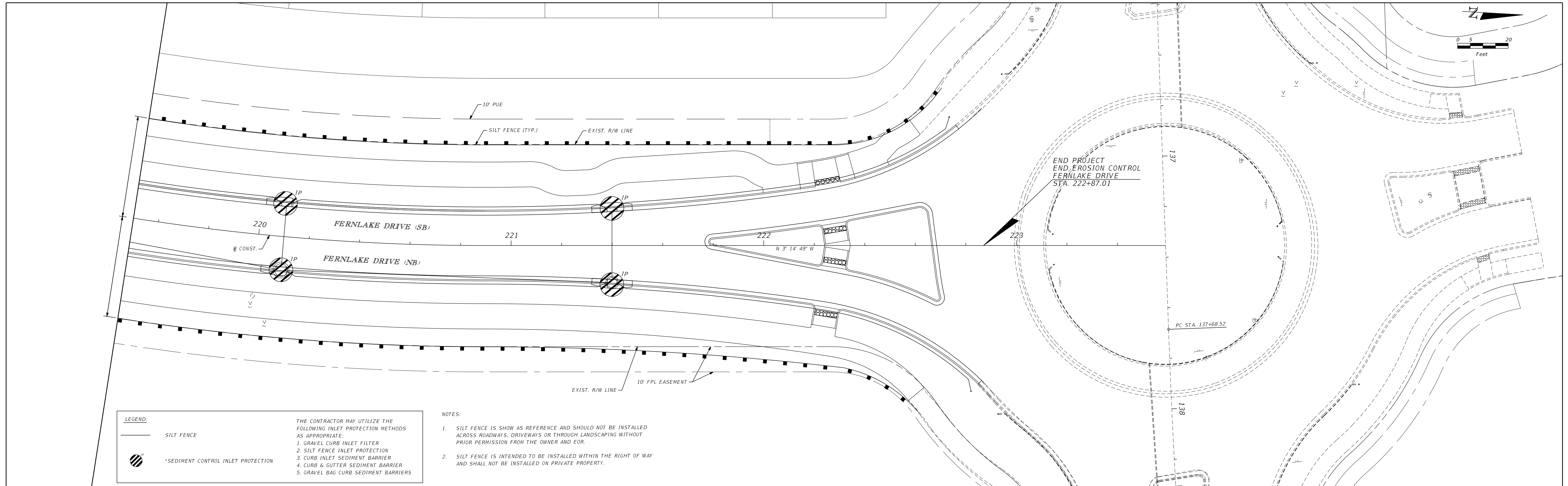
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**MATTAMY
 PALM BEACH, LLC
 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

EROSION CONTROL

PSLUSD # 5429B
 CITY OF PSL # P22-277

SHEET NO.
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LEGEND:

— SILT FENCE

⊗ *SEDIMENT CONTROL INLET PROTECTION

THE CONTRACTOR MAY UTILIZE THE FOLLOWING INLET PROTECTION METHODS AS APPROPRIATE:

1. GRAVEL CURB INLET FILTER
2. SILT FENCE INLET PROTECTION
3. CURB INLET SEDIMENT BARRIER
4. CURB & GUTTER SEDIMENT BARRIER
5. GRAVEL BAG CURB SEDIMENT BARRIERS

NOTES:

1. SILT FENCE IS SHOWN AS REFERENCE AND SHOULD NOT BE INSTALLED ACROSS ROADWAYS, DRIVEWAYS OR THROUGH LANDSCAPING WITHOUT PRIOR PERMISSION FROM THE OWNER AND EDR.
2. SILT FENCE IS INTENDED TO BE INSTALLED WITHIN THE RIGHT OF WAY AND SHALL NOT BE INSTALLED ON PRIVATE PROPERTY.

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MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE FOLLOWING MAINTENANCE OF TRAFFIC DETAILS FROM FDOT STANDARD PLANS 102-600, 102-601, 102-602, 102-603, 102-604, 102-615 AND 102-660 HAVE BEEN PROVIDED TO GIVE THE CONTRACTOR GENERAL DIRECTION. THE CONTRACTOR SHALL DEVELOP DETAILED TRAFFIC CONTROL PLANS THAT MUST BE APPROVED BY THE CITY OF PORT ST. LUCIE PUBLIC WORKS DEPARTMENT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. AT NO TIME SHALL THE CONTRACTOR CLOSE THE ROAD TO THROUGH TRAFFIC. LANE CLOSURES MUST BE APPROVED BY THE CITY OF PORT ST. LUCIE PUBLIC WORKS DEPARTMENT AT LEAST TWO WEEKS PRIOR TO CLOSURE.
3. THE CONTRACTOR SHALL CONTACT IN WRITING ALL AFFECTED PROPERTY OWNERS 2 WEEKS PRIOR TO CONTRACTOR STARTING CONSTRUCTION. CONTRACTOR MUST MAINTAIN ACCESS TO ALL BUSINESS AND RESIDENCES AT ALL TIME.
4. NOT MUST BE IN COMPLIANCE WITH FDOT STANDARD PLANS SERIES 102 AND MUTCD (W/ REVISIONS).
5. PEDESTRIAN WALKWAY MUST FOLLOW FDOT STANDARD PLANS SERIES 102 PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS.
6. AT THE END OF EACH DAY, THE FDOT STANDARD PLANS SERIES 102 SHOULDER TREATMENT MUST BE FOLLOWED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A DETAIL MAINTENANCE OF TRAFFIC PLAN TO THE CITY OF PORT ST. LUCIE PUBLIC WORKS DEPARTMENT TWO WEEKS PRIOR TO ANY CONSTRUCTION FOR APPROVAL.

R E V I S I O N S

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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ROADWAY IMPROVEMENTS**

**TRAFFIC CONTROL
GENERAL NOTES**

PSLUSD # 5429B
CITY OF PSL # P22-277

SHEET NO.

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IF FPL OWNS, OPERATES, AND WILL MAINTAIN THE LIGHTING, THE CITY'S GENERAL NOTES WILL NOT APPLY.

STREET LIGHTING GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MOST RECENT VERSION OF FDOT DESIGN STANDARDS UNLESS OTHERWISE SPECIFIED IN THE CITY APPROVED DESIGN OR THESE GENERAL NOTES.
2. CONDUCTOR AND/OR CABLE SHALL BE HOUSED IN 2" SCHEDULE 40 CONDUIT AS SHOWN ON APPROVED PLAN SHEETS. PROVIDE ONE SPARE CONDUIT FOR EACH CONDUIT RUN AND ROADWAY CROSSING. EACH SPARE CONDUIT SHALL BE SUPPLIED WITH PULL STRING.
3. CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND MARK UNDERGROUND FACILITIES PRIOR TO EXCAVATION.
4. POLES, LUMINAIRES AND BASES SHALL BE FABRICATED IN ACCORDANCE WITH AASHTO'S "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AND SHALL HAVE BEEN TESTED BY FHWA APPROVED METHODS. CERTIFICATION FOR TESTS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
5. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET THE MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN THE MANUFACTURER'S REQUIREMENTS.
6. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. REQUIREMENTS.
7. IN LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO LIGHTING POLES OR CONDUIT RUNS, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL HAND DIG THE FIRST 4' OF THE HOLE FOUNDATION AND CONDUIT RUN.
8. HAND HOLE COVERS FOR POLES AND TRANSFORMER BASES SHALL BE LOCATED OPPOSITE APPROACHING TRAFFIC.
9. THE WIRES AT THE POLE HAND HOLES AND PULL BOXES SHALL BE LOOPED IN THE POLE AND PULL BOXES WITH SUFFICIENT LENGTH TO COMPLETELY REMOVE CONNECTORS AND SPLICES ONE (1.00) FOOT OUTSIDE THE HAND HOLE AND PULL BOXES TO MAKE CONNECTIONS AND SPLICES ACCESSIBLE FOR CHANGING FUSES AND TROUBLESHOOTING THE SYSTEM.
10. ALL CONDUCTOR AND/OR WIRE CONNECTIONS SHALL BE BUTT SPLICED AND WATERPROOF. WIRE NUTS WILL NOT BE ACCEPTED.
11. EACH POLE SHALL BE EQUIPPED WITH AN ACCESSIBLE FUSE AND FUSE HOLDER WITH PROTECTIVE BOOTS.
12. EACH POLE SHALL BE EQUIPPED WITH A LIGHTNING SUPPRESSOR THAT IS PROPERLY GROUNDED.
13. A PULL BOX SHALL BE INSTALLED AT EACH POLE LOCATION. PULL BOX SHOULD BE LOCATED 2' MAX FROM POLE UNLESS OTHERWISE DIRECTED BY PROJECT ENGINEER. EACH PULL BOX SHALL BE SUPPLIED WITH A GROUNDING ROD AND EACH POLE SHALL BE PROPERLY GROUNDED.
14. ALL STREET LIGHTING AND PEDESTRIAN LIGHTING PULL BOXES SHALL BE ARMORCAST PRODUCTS COMPANY #A6001946TAPXX12 POLYMER CONCRETE BOX WITH NON-METALLIC LID AND NON-SKID SURFACE. LID MUST BE STAMPED "STREET LIGHTING". BOX DIMENSIONS ARE 13W X 24L X 12H. 20K WITH OPEN BOTTOM. LID MUST BE FASTENED TO BOX.
15. INSTALLATION OF PULL BOXES WITHIN THE SIDEWALK SHOULD BE AVOIDED WHENEVER POSSIBLE, BUT IF NECESSARY, SHALL BE APPROVED BY CITY OF PORT ST LUCIE PUBLIC WORKS PRIOR TO WORK BEING CONDUCTED AND SHALL BE FLUSH WITH SIDEWALK. PULL BOXES SHALL NEVER BE PLACED WITHIN SIDEWALK RAMPS OR ROADWAY.
16. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND ALL EXISTING UTILITIES, INCLUDING OVERHEAD POWER LINES.
17. LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATION.
18. CONTACT SUNSHINE ONE CALL OF FLORIDA AT 811 OR SUNSHINE811.COM AT LEAST TWO (2) FULL BUSINESS DAYS BEFORE DIGGING.
19. THE CONTRACTOR SHALL COORDINATE WITH FLORIDA POWER AND LIGHT TO DETERMINE ELECTRICAL SERVICE FEED LOCATION.
20. ENERGY EFFICIENT LIGHTING TECHNOLOGIES SUCH AS LIGHT EMITTING DIODE (LED) SHALL BE CONSIDERED AND SHOULD BE GIVEN PREFERENCE. INCANDESCENT LIGHTING WILL ONLY BE APPROVED BY THE FPL UNDER UNIQUE CIRCUMSTANCES AND WILL REQUIRE APPROPRIATE JUSTIFICATION SEPARATE FROM PROJECT COST.
21. THE LIGHTING SYSTEM WILL BE INSTALLED AND MAINTAINED BY FPL AFTER ACCEPTANCE.
22. IN ADDITION TO THE ABOVE GENERAL NOTES, IT SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE ADDITIONAL GENERAL NOTES AND PAY ITEM FOOT NOTES SPECIFIC TO THE PROJECT ARE INCLUDED IN THE CONSTRUCTION PLANS AND SUBMITTED TO FPL APPROVAL.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn

ERIC J. KLEIER, P.E.
P.E. LICENSE NUMBER 64076
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
REGISTRY No. 35106

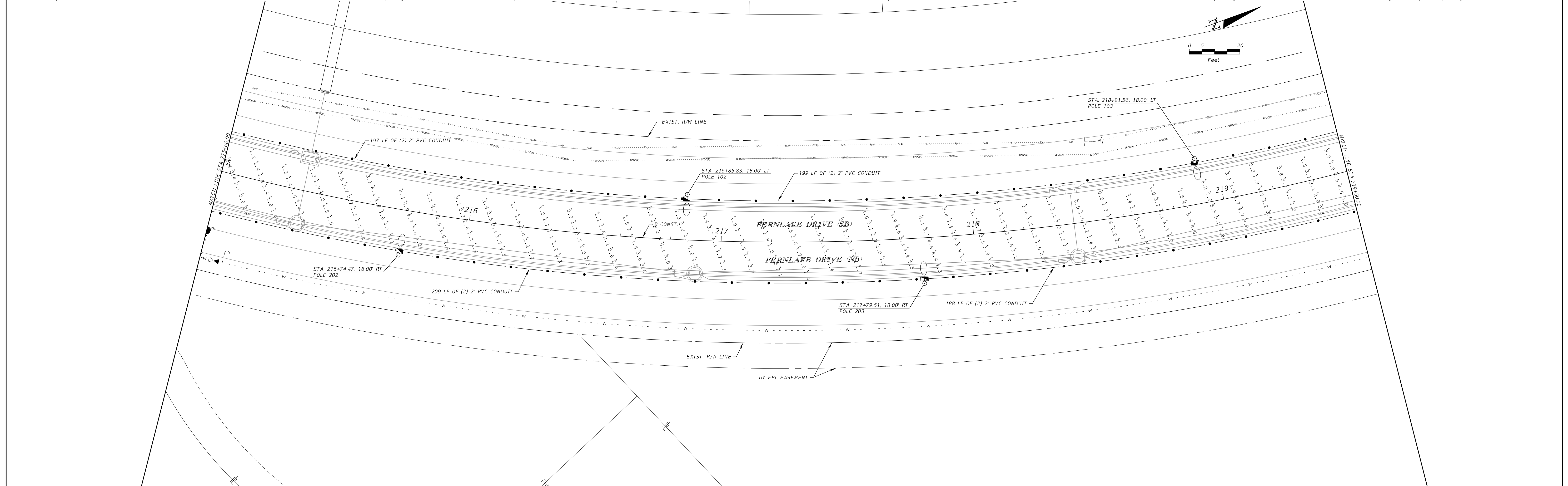
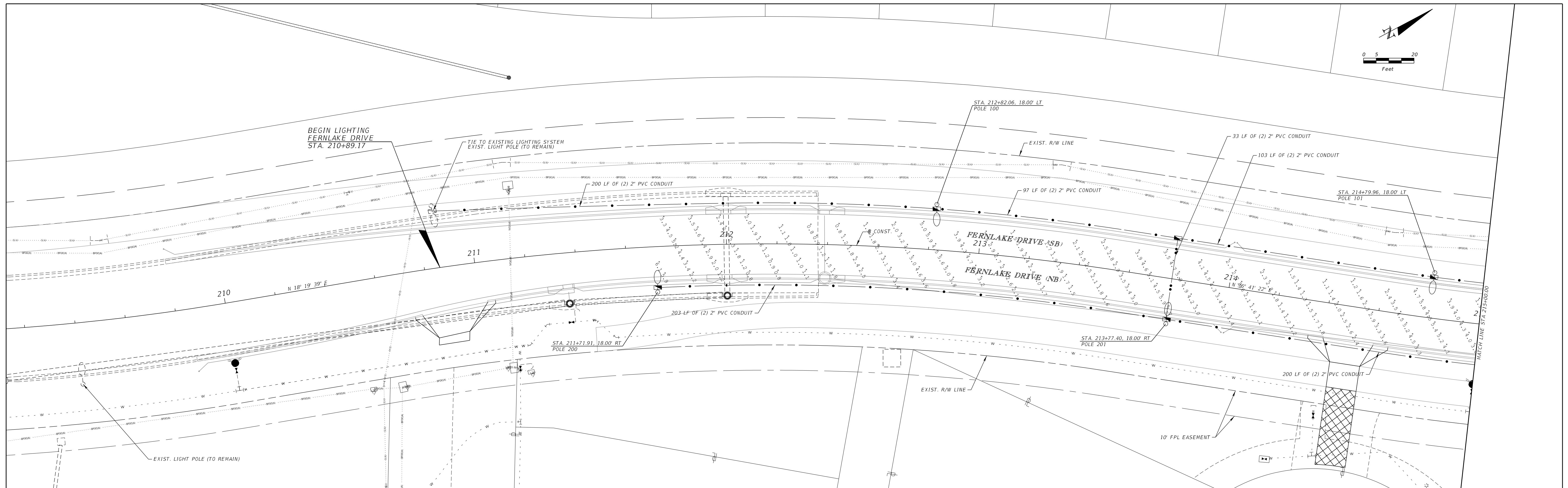
**MATTAMY
PALM BEACH, LLC
FERNLAKE DRIVE
ROADWAY IMPROVEMENTS**

LIGHTING GENERAL NOTES

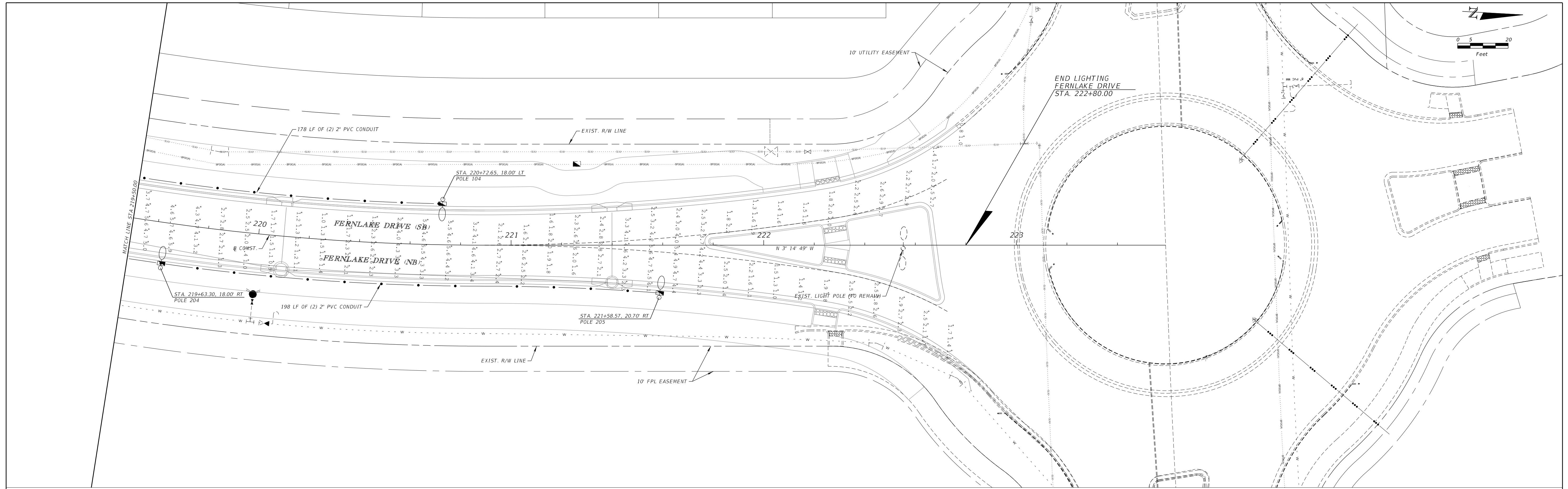
PSLUSD # 5429B
CITY OF PSL # P22-277

SHEET NO.

42



REVISIONS						Kimley»Horn <small>ERIC J. KLEIER, P.E. P.E. LICENSE NUMBER 64076 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106</small>	MATTAMY PALM BEACH, LLC FERNLAKE DRIVE ROADWAY IMPROVEMENTS	LIGHTING PLAN <small>PSLUSD # 5429B CITY OF PSL # P22-277</small>	SHEET NO. 43
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
8/13/2024	Palmer.Stocks		11:51:53 AM		K:\VRB_LDEV\Western Grove 7 - Mattamy\CAD\Rdwy\PLANS_LIGHTING\PLANLT01.dgn				



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8/13/2024	Palmer.Stocks				

Kimley»Horn
 ERIC J. KLEIER, P.E.
 P.E. LICENSE NUMBER 64076
 445 24th STREET, SUITE 200
 VERO BEACH, FL 32960
 (772) 794-4100
 REGISTRY No. 35106

**MATTAMY
 PALM BEACH, LLC
 FERNLAKE DRIVE
 ROADWAY IMPROVEMENTS**

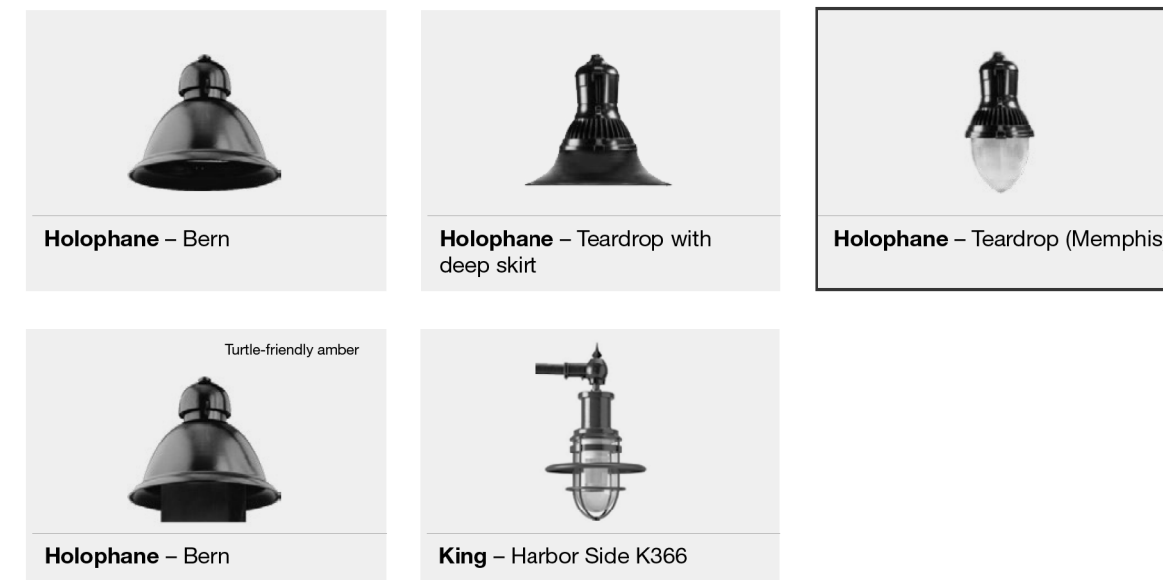
LIGHTING PLAN
 PSLUSD # 5429B
 CITY OF PSL # P22-277

SHEET NO.
 44

FPL LED Lighting Solutions

Pendant Lighting

Functional Can Be Beautiful



Manufacturer	Style	Fixture	Pole Options	Bracket Options	Light Fixture	Line Voltage	NEMA Label	Color Temp	Lumens	Beam Angle	Dim. Rating (BA)	IES File	Rating
Bern			3, 4, 8	3	3	58/60	4000K	7,609	B1-U0-G1			GBLF3_P30_40K_ASY_BK_FF0327860.ies	D10
			3, 4, 8	3	3	57/60	Amber	1,995 (no shade) 1,434 (per shade) 816 (front shade)	B1-U0-G0			Upon Request	D10
Holophane	Teardrop w/ deep skirt		3, 4, 8	3	3	144/140	3000K	14,055	B2-U0-G1			0800P4S4ZK1444000J.ies	I9
						144/140	4000K	16,578	B3-U0-G3			SF 3874P15 ES2 P355 40K XX SG 3 DS.ies	I9
						242/240	3000K	19,500	B3-U0-G2			K803MOD_P43A-III-242SSJ-8084-130-277v-49L31-195-3K-0D-DALU-SMBK	O10
						144/140	3000K	17,516	B3-U2-G2			0800P4G2XK1443000J.ies	I9
Teardrop (Memphis)			3, 4, 8	3	3	144/140	4000K	21,256	B2-U3-G4			SF 33820P15 ES2 P355 40K XX TG 3.ies	I9
						242/240	3000K	19,500	B3-U0-G2			K803MOD_P43A-III-242SSJ-8084-130-277v-49L31-195-3K-0D-DALU-SMBK	O10
King	Harbor Side K366		3, 4, 8	3	3	50/50	3000K	5,646	B2-U2-G2			0368PP4AC300503000E(1).IES	D8
						90/90	3000K	9,291	B2-U3-G2			0368PP4AC300903000E(1).IES	F8

LIGHT POLES		
POLE No.	STATION	OFFSET
100	212+82.06	18.00' LT
101	214+79.96	18.00' LT
102	216+85.83	18.00' LT
103	218+91.56	18.00' LT
104	220+72.65	18.00' LT
200	211+71.91	18.00' RT
201	213+77.40	18.00' RT
202	215+74.47	18.00' RT
203	217+79.51	18.00' RT
204	219+63.30	18.00' RT
205	221+58.37	18.00' RT

FPL.com/LED | 844-4-FPL-LED

Pendant A - 08/22
6

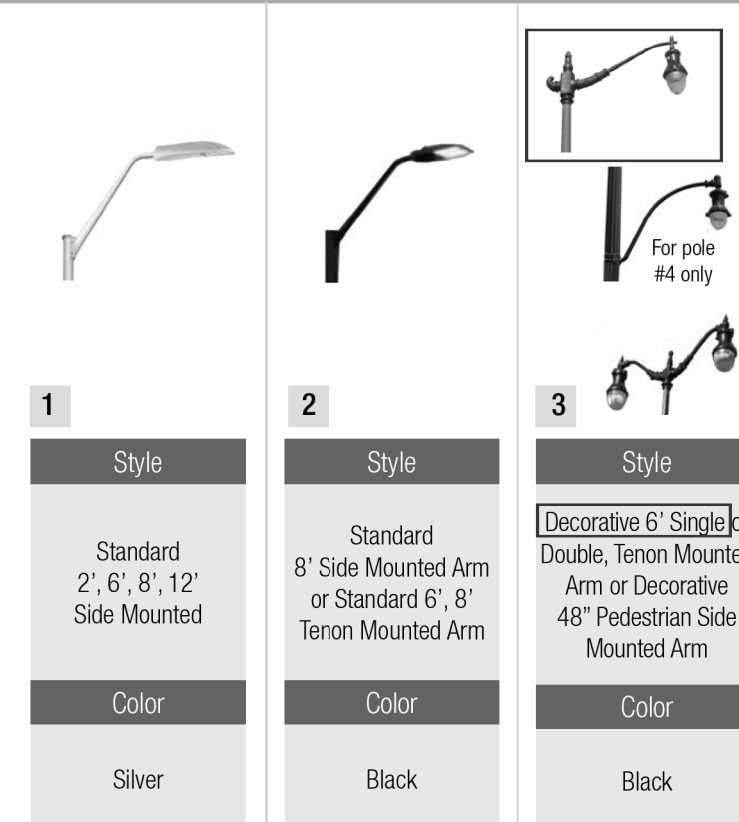
Pendant B - 08/22
7

FPL LED Lighting Solutions

Brackets and Poles

Discover a New Road to Efficiency

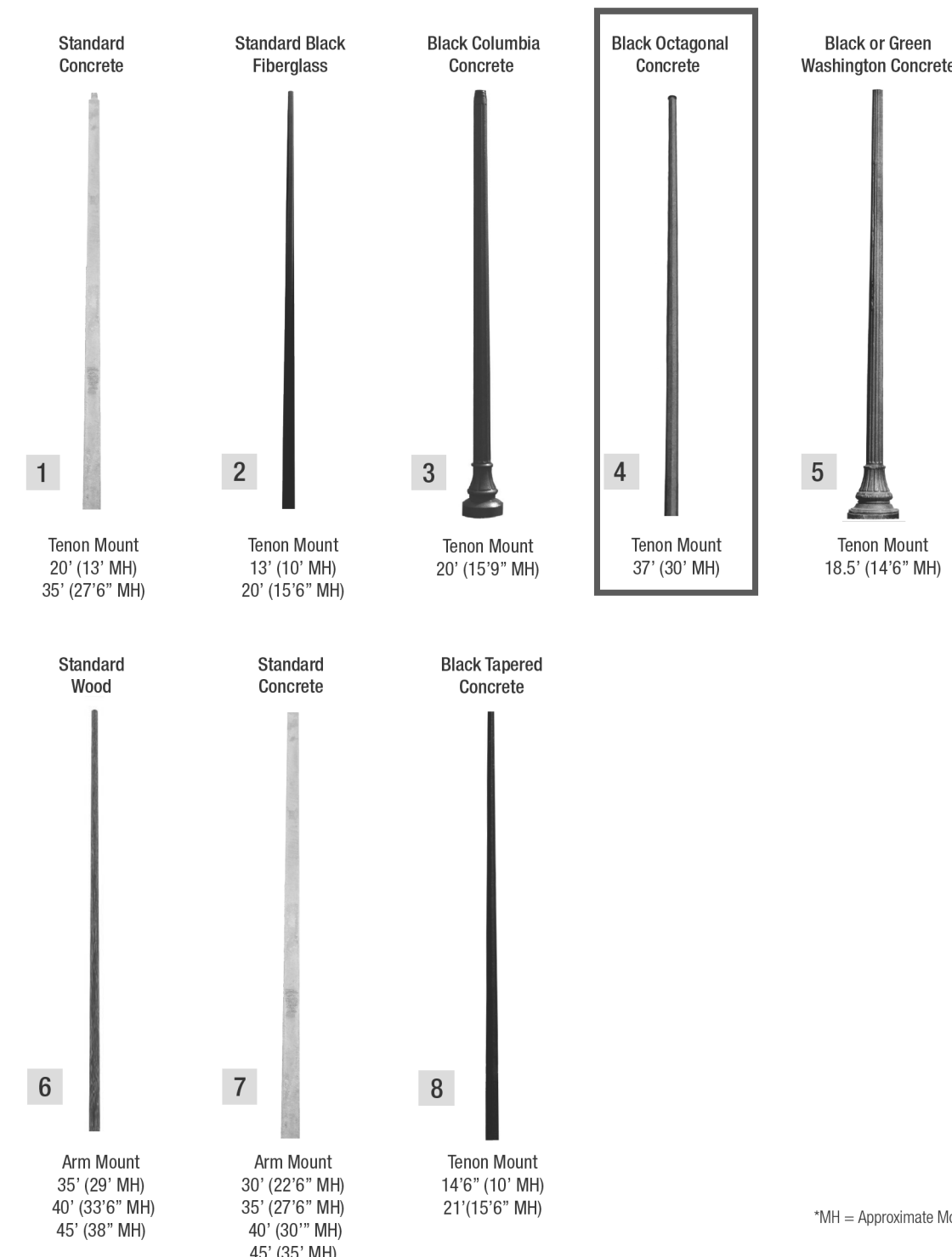
BRACKETS (Page 1 of 2)



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Brackets and Poles A - 08/22
12

POLES



1MH = Approximate Mounting Height

Brackets and Poles B - 9/11/2020
11

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
FERN LAKE AVE	Illuminance	Fc	2.81	7.7	0.8	3.51	9.63
Luminaire Schedule							
Qty	Label	Luminaire Lumens	Luminaire Watts	Mounting Height			
11	ESL2_P355_40K_XX_TG_3 (LTL291)	15377	144	30			

REVISIONS						Kimley»Horn ERIC J. KLEIER, P.E. P.E. LICENSE NUMBER 64076 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106	MATTAMY PALM BEACH, LLC FERNLAKE DRIVE ROADWAY IMPROVEMENTS	LIGHTING DETAILS PSLUSD # 5429B CITY OF PSL # P22-277	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				45