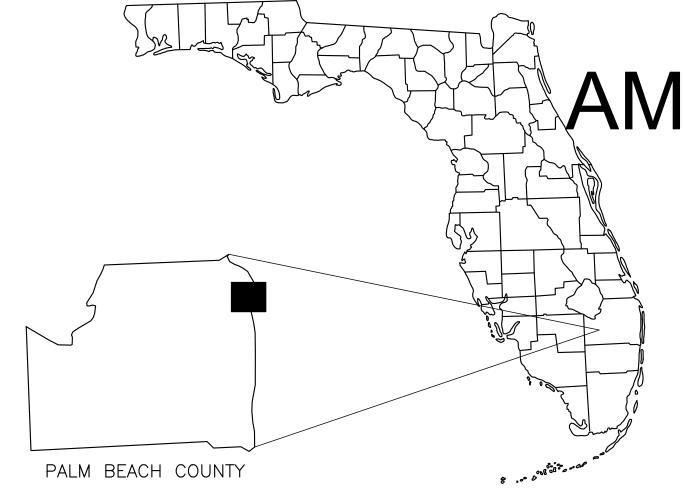
PREPARED FOR OKO GROUP

DECEMBER 19, 2024



VICINITY MAP

SCALE: N.T.S.

PROJECT TEAM

OWNER

THE SOCIETY OF THE FOUR ARTS, INC. 100 FOUR ARTS PLAZA PALM BEACH, FL 33480 PHONE: (561) 655-7227 CONTACT: DR. PHILLIP RYLANDS

CIVIL ENGINEER

KIMLEY-HORN AND ASSOCIATES, INC.
1615 SOUTH CONGRESS AVENUE, SUITE 201
DELRAY BEACH, FL 33445
PHONE: (561) 404-7250
CONTACT: JOSHUA D. HORNING, P.E.

LANDSCAPE ARCHITECT
SMI LANDSCAPE ARCHITECTURE.
140 ROYAL PALM WAY, SUITE 206
WEST PALM BEACH, FL 33480
PHONE: (561) 840-0233
CONTACT: CLAUDIA VISCONTI, RLA

SURVEYOR

KEITH & ASSOCIATES, INC. 301 EAST ATLANTIC BLVD. POMPANO BEACH, FL 33060 PHONE: (954) 788-3400 CONTACT: DONALD A. SPICER

ARCHITECT

SPINA OROURKE+PARTNERS
285 BANYAN BLVD
WEST PALM BEACH, FL 33401
PHONE: (561) 684-6844
CONTACT: REGAN RUPP

ARCHITECT

BEYER BLINDER BELLE

120 BROADWAY, 20TH FLOOR

NEWYORK, NY 10271

PHONE: (212) 614–1997

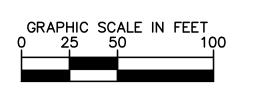
CONTACT: KERRY NOLAN



VICINITY MAP

NOT TO SCALE

SECTION: 22 TOWNSHIP: 43S RANGE: 43E



PROJECT LOCATION

100 FOUR ARTS PLAZA
PALM BEACH, FL

| | Sheet List Table |
|--------------|--------------------------------|
| Sheet Number | Sheet Title |
| C0.00 | COVER SHEET |
| C0.10 | GENERAL NOTES |
| C1.00 | DEMOLITION AND EROSION PLAN |
| C1.10 | DEMOLITION AND EROSION DETAILS |
| C1.20 | HORIZONTAL CONTROL PLAN |
| C2.00 | ENGINEERING PLAN |
| C2.10 | ENGINEERING DETAILS |
| C2.11 | ENGINEERING DETAILS |
| C3.13 | ENGINEERING DETAILS |
| C3.14 | ENGINEERING DETAILS |
| C3.15 | ENGINEERING DETAILS |

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.
NAVD '88 ELEV. + 1.52' = NGVD '29 ELEVATION

THE PRESENCE OF GROUNDWATER SHOULD BE

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

CALL 2 WORKING DAYS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

Know what's below.
Call before you dig.

285 Banyan Blvd BLINDER 120 Broadway Seach Florida 33401 BLINDER 20th Floor 20th Floor Spinaorourke.com 212 777 7800 beyenblinderbelle.com EL Lic # AA26002399 beyenblinderbelle.com Ex i g n 1615 S CONGRESS AVE, SUITE 201, DELRAY BEACH, FL 334 BACH, FL

0.4.00.1.00

ne Society of the Four Arts

THESE DRAWINGS ARE FOR THE
EXCLUSIVE USE OF SPINA OROURKE +
PARTNERS, INC. AND MAY NOT BE
DUPLICATED, REPRODUCED OR USED
IN ANY MANNER WITHOUT THE
EXPRESS WRITTEN CONSENT OF SPINA
OROURKE + PARTNERS, INC. ALL

licensed professional

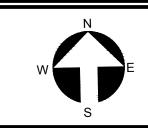
FLORIDA LICENSE NUMBER 67505

DATE: OCT. 7, 2024

Project no: 1408020

Drawn by: MXE

Project Manager: JDH



CO.00

FINAL SUBMITTAL EAST BLOCK

- 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
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 2 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR MUST CALL THE UTILITY COMPANIES BEFORE COMMENCING WORK.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
- 5. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS. SPECIFICATIONS. AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- 6. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND THE ENGINEER.
- ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER DIRECTLY FROM THE TESTING AGENCY.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OF OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
- 11. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL QUANTITIES, TAKE-OFF MEASUREMENTS, MATERIALS, ETC. DURING THE BID PROCESS WHEN DISCREPANCIES OCCUR, THE PHYSICAL PLAN TAKES PRECEDENCE. THE ENGINEER. LANDSCAPE ARCHITECT. COUNTY CITY OR PROJECT MANAGERS ARE NOT TO BE HELD RESPONSIBLE FOR DISCREPANCIES TO
- 12. THE CONTRACTOR SHALL LIMIT CONSTRUCTION OPERATIONS TO WITHIN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGES OUTSIDE THE
- 13. CONTRACTOR IS ADVISED THAT THE U.S. ENVIRONMENTAL PROTECTION AGENCY REQUIRES THAT ALL OPERATORS FILE A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES GENERAL PERMIT PRIOR TO BEGINNING WORK. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN THE SAME. A COPY SHALL BE SENT TO THE ENGINEER OF RECORD, ARCHITECT OF RECORD AND THE
- 14. FLORIDA LAW (F.S. 553.851) PROTECTION OF UNDERGROUND PIPELINES MANDATES THAT 'NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA O PROPOSED EXCAVATION." THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 2 WORKING DAYS AND A MAXIMUM OF 5 WORKING DAYS PRIOR TO EXCAVATION.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE LOCAL ELECTRICAL PROVIDER ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
- 16. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL PLANS RELATED TO SITE WORK INCLUDING (BUT NOT LIMITED TO) LANDSCAPE, IRRIGATION, SITE LIGHTING, BUILDING FOUNDATION, PLUMBING, FIRE SPRINKLER, AND OTHER APPLICABLE PLANS FOR CONFLICTING INFORMATION AND ALERT OWNER'S REPRESENTATIVE OF ANY CONFLICT FOR RESOLUTION.
- 17. CONTRACTOR SHALL VERIFY LOCATION OF ALL IRRIGATION, STREET LIGHTING, AND ELECTRICAL CONDUIT THAT WILL BE IN CONFLICT WITH ANY PROPOSED CONSTRUCTION AND SHALL RESOLVE CONFLICT ACCORDINGLY. COST OF CONFLICT RESOLUTION SHALL BE
- 18. ANY DEBRIS RESULTING FROM STRIPPING AND DEMOLITION OPERATIONS SHALL BE REMOVED FROM THE SITE AT FREQUENT INTERVALS TO PREVENT THIS MATERIAL FROM ACCUMULATING
- 19. UPON REMOVAL OF TREES, SHRUBS OR ANY STUMP GRINDING, NO ROOT GREATER THAN THREE INCHES IN DIAMETER SHALL REMAIN WITHIN FIVE FEET OF AN UNDERGROUND STRUCTURE OR UTILITY LINE OR UNDER SLABS OR FOOTINGS OR PAVED AREAS.
- 20. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN
- 21. THE CONTRACTOR SHALL ENSURE THAT ANY TREE OR SHRUB PLACED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF PALM BEACH STANDARD

TRENCH SAFETY ACT

- 1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT
- 2. WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED. THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID:
- A. A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
- B. WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXACTION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
- C. A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE
- 3. WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM "2" TO THE ENGINEER PRIOR TO STARTING WORK.

<u>UTILITIES</u>

EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH

WATER AND SEWER UTILITY NOTES

- ALL CONSTRUCTION SHALL MEET OR EXCEED THE LOCAL WATER AND SEWER REQUIREMENTS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE SPECIFICATIONS AND DETAILS FROM THE LOCAL AGENCY.
- THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES AND GRAVITY SEWER LINES AS SHOWN OF 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.
- EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR
- 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 WIPED 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 OF 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.
- 6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON
- 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.
- 8. UNDERGROUND LINES SHALL BE AS-BUILT BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR
- 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 MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.
- 10. ALL PIPES AND CONNECTIONS ARE TO BE RESTRAINED IN ACCORDANCE WITH THE DETAILS OR JURISDICTIONAL AGENCY REQUIREMENTS, WHICHEVER IS MOST STRINGENT.
- ALL WATER DISTRIBUTION SYSTEM MATERIALS (INCLUDING SERVICES) AND INSTALLATION SHALL CONFORM TO THE SPECIFICATIONS OF THE LOCAL WATER PROVIDER AS PROVIDED IN THEIR STANDARD SPECIFICATIONS MANUAL AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN SPECIFICATION MANUALS PRIOR TO BIDDING THE PROJECT.
- 12. ALL POTABLE WATER PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE COLOR CODED OR MARKED IN ACCORDANCE WITH F.A.C. 62-555.320(21)(B)3, USING BLUE AS THE PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE WILL BE SOLID-WALL BLUE PIPE WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL, PIPE STRIPED DURING THE MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90—DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING AND AFTER INSTALLATION 18. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO THE PIPE, THE TAPE OR PAINT WILL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OR 24"OR GREATER. TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE WILL BE PAINTED BLUE OR WILL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIP
- ALL WATER MAINS ARE DESIGNED FOR A MINIMUM WORKING PRESSURE OF 150 PSI, HAVE COMPRESSION TYPE BELL JOINTS AND BE EITHER ANSI/AWWA C-151/A21.51-02 DUCTILE IRON PIPE (D.I.P.), CLASS 50 FOR 6"DIAMETER PIPE AND LARGER AND CLASS 51 IF PIPE DIAMETER IS SMALLER THAN 6" OR ANSI/AWWA C-900-97, PVC PIPE WITH A MAXIMUM SDR OF 18. ALL D.I.P. WATER MAINS SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA STANDARDS. ALL D.I.P. FORCE MAINS SHALL BE COATED OUTSIDE WITH A BITUMINOUS COATING APPROXIMATELY ONE MIL THICK IN APPLICATION. ALL D.I.P. FORCE MAINS AND GRAVITY SEWER MAINS SHALL BE COATED INSIDE WITH POLYBOND VIRGIN POLYETHYLENE COMPLYING WITH A.S.T.M. DESIGNATION D 1248 AND HAVE A MINIMUM "N" VALUE OF 0.012. SEE PROJECT SPECIFICATIONS MANUAL FOR MORE DETAILS. OR PROTECTOR 401 CEREMIC EPOXY. ALL D.I.P. PIPE SHALL BE LAID WITH A MINIMUM OF 30" CLEAR COVER. ALL PVC PIPE SHALL BE LAID WITH A MINIMUM OF 36"CLEAR COVER.
- NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT WILL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, STORM SEWER, STORMWATER FORCE MAIN. OR PIPELINE CONVEYING RECLAIMED WATER: A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER(OR A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER IF THE BOTTOM OF THE WATER MAIN WILL BE LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER); A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER.
- 15. NEW OR RELOCATED. UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE; NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT. WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER
- 16. THE WATER SYSTEM SHALL BE CLEANED OF DEBRIS, FLUSHED AND TESTED FOR A PERIOD OF NOT LESS THAN 2 HOURS AT A MINIMUM STARTING PRESSURE OF 150 PSI WITH AN ALLOWABLE LEAKAGE NOT TO EXCEED THE ALLOWABLE GAL/HR IN ACCORDANCE WITH THE ANSI/AWWA C-600-05 STANDARD SECTION

(EQUATION L = $SD\sqrt{P}$)

- L = ALLOWABLE LEAKAGE, GALLONS/HOUR S = LENGTH OF PIPE TESTED. FEET D = NOMINAL DIAMETER, INCHES
- P = AVERAGE TEST PRESSURE, LB/IN GAUGE
- 17. AFTER THE PRESSURE TEST, THE SYSTEM SHALL BE DISINFECTED. DISINFECTION SHALL BE IN ACCORDANCE W/ANSI/AWWA C651-05 STD. BACTERIOLOGICAL TESTS SHALL BE TAKEN TWO (2) CONSECUTIVE DAYS, AT LEAST 24 HOURS APART AND SHALL BE AT LEAST ONE SAMPLE PER 1,200 FEET OF MAIN IN THE SYSTEM. THE SAMPLE SHALL HAVE A HETEROTROPHIC PLATE COUNT (HPC) LESS THAN 500 CFU/ML AND SHALL BE FREE OF COLIFORM
- 18. AT THE TIME OF BACTERIOLOGICAL SAMPLING, CHLORINE RESIDUAL DETERMINATION SHALL BE MADE TO INSURE THAT CHLORINE CONCENTRATION IN THE MAIN IS NO HIGHER THAN THAT GENERALLY IN THE SYSTEM (4.0 MG/L FREE OR 4.0 MG/L COMBINED MAXIMUM), OR LESS THAN 0.2 MG/L FREE OR 0.6 MG/L COMBINED. THE RESULT SHALL BE REPORTED ALONG WITH THE BACTERIOLOGICAL TEST RESULTS. ALL TESTING SHALL BE COORDINATED AND PAID FOR BY THE CONTRACTOR.

INTERRUPTION OF EXISTING UTILITIES

ANY CONSTRUCTION WORK THAT REQUIRES INTERRUPTION OF SERVICE TO ANY CUSTOMER SHALL BE DONE SO WITH A MINIMUM OF SEVENTY-TWO (72) HOUR NOTICE TO, AND WRITTEN APPROVAL BY THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL ARRANGE A MEETING WITH THE LOCAL JURISDICTIONAL AGENCIES AND OTHER GOVERNING AGENCIES, AND OTHER AFFECTED UTILITIES PRIOR TO SCHEDULING THE SHUTDOWN TO ASSESS THE SCOPE OF WORK. ALL SYSTEM SHUT DOWNS SHALL BE SCHEDULED BY THE CONTRACTOR AT SUCH TIME THAT SYSTEM DEMAND IS LOW. THIS GENERALLY REQUIRES NIGHT TIME WORK BY THE CONTRACTOR AND REQUIRES FULL TIME INSPECTION BY A REPRESENTATIVE OF THE UTILITY. ALL COST FOR OVERTIME WORK BY THE REPRESENTATIVE OF THE UTILITY SHALL BE BORNE BY THE CONTRACTOR, EACH CUSTOMER AFFECTED BY THE SHUT DOWN SHALL BE PROVIDED, MINIMUM, FORTY-EIGHT (48) HOURS WRITTEN NOTIFICATION BY THE CONTRACTOR.

EROSION CONTROL NOTES

- THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION AND SEDIMENTATION CONTROL PLAN, THE STANDARD DETAILS, AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS PROVIDED BY THE CONTRACTOR
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THI SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING
- EROSION AND SEDIMENTATION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA
- WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA. EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE

MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR

- . RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO 7. CHANGES MADE BY CHANGE ORDER OR CONSTRUCTION CHANGE DIRECTIVE. SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR
- 11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE
- MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED. 13. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY
- STOPPED SHALL BE PERMANENTLY STABILIZED. THESE AREAS SHALL BE STABILIZED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED. 14. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE

WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS

MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS

- 15. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- 17. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION AND SEDIMENTATION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT
- REDUCE RUNOFF VELOCITIES AND EROSION.
- 19. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES AS NECESSARY AS CONSTRUCTION PROGRESSES (SILT FENCES, ETC.) TO PREVENT EROSION
- 20. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF
- EROSION AND SEDIMENTATION CONTROL PLANS PROVIDED HEREIN ARE A GUIDELINE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE FINAL STORM WATER POLLUTION PREVENTION PLAN. THE PLAN SHALL BE SUBMITTED TO THE OWNER AND ENGINEER WHICH DEMONSTRATES THE MECHANISMS AND PRACTICES THAT WILL RE FA THE CONSTRUCTION SITE AND SURROUNDING AREA DURING CONSTRUCTION. THE PLAN SHALL BE CONSISTENT WITH FEDERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES PERMIT REQUIREMENTS PERTAINING TO POLLUTION PREVENTION PLANS. THE PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO, THE LOCATIONS OF SILT BARRIERS, TURBIDITY SCREENS OR TEMPORARY SHEETING, EMERGENCY RESPONSE PRACTICES, AND OTHER METHODS TO PREVENT POLLUTION. REFUELING OR STORAGE OF VEHICLES OR EQUIPMENT THAT UTILIZE PETROLEUM BASED PRODUCTS SHALL BE PROHIBITED ANYWHERE WITHIN 50 FEET OF A WATER'S EDGE. THE PLAN SHALL BE SUBMITTED TO THE OWNER AFTER NOTICE OF AWARD AND PRIOR TO NOTICE TO PROCEED. AFTER REVIEW BY OWNER THE PLAN SHALL BE FILED WITH ALL APPLICABLE REGULATORY AGENCIES BY THE CONTRACTOR. REFER TO FURTHER NOTES AND DETAILS WITHIN THESE DOCUMENTS.
- 22. SILT FENCE IS REQUIRED AS SHOWN ON THE PLANS AND ANYWHERE ADDITIONAL AS REQUIRED BY CONSTRUCTION. SILT FENCE IS NOT APPLICABLE IN PAVEMENT AREAS. LIMITS OF CONSTRUCTION SHOWN ARE DIAGRAMATIC. CONTRACTOR TO PROVIDE PLAN FOR SHOP
- 23. 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 USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

MAINTENANCE

- ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN. AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES. SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY IOW SIGNS OF UNDERMINING, OR DETERIORATION. INLET PROTECTION DEVICES SHALL BE CLEANED OUT AT REGULAR INTERVALS OR AS THEY BECOME FULL OF DEBRIS
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.
- SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.
- PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL

ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

<u>DEMOLITION NOTES</u>

- 1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
- REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF TEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL
- CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS. 3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND LANDSCAPE PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION. CONTRACTOR TO SEE LANDSCAPE PLAN FOR TREE PROTECTION REQUIREMENTS. ALL TREES TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTE EXISTING TREES TO REMAIN. SHOULD ANY TREE TO BE REMAIN BE DAMAGED BY THE CONTRACTOR, IT WILL REQUIRE REPLACEMENT IN KIND.

MINIMUM REQUIRED AS—BUILT INFORMATION

- ALL AS—BUILT INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR, AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
- STRUCTURES (HEADWALLS, CONTROL STRUCTURES, ETC.).
- UNDERDRAIN PIPES.
- C. INVERTS OF ALL MITERED END SECTIONS
- D. ACTUAL GRADE OF PIPE BETWEEN THE STRUCTURES
- INVERT ELEVATION AND TWO HORIZONTAL TIES FROM PERMANENT VISIBLE OBJECTS TO
- CONTRACTOR SHALL PROVIDE ACCURATE AS-BUILT DIMENSIONS AND ELEVATIONS OF THE STORM WATER MANAGEMENT AREAS IMMEDIATELY AFTER FINAL GRADING AND PRIOR TO SEEDING OR SODDING OF THE SLOPES. AT A MINIMUM, THE CONTRACTOR SHALL PROVIDE CROSS SECTIONS ON ALL SIDES OF THE WATER MANAGEMENT AREAS AT 100-FOOT INTERVALS. THE CROSS SECTIONS SHALL BE PROVIDED FROM TOP OF BANK TO THE SLOPE BREAK BELOW CONTROL ELEVATION THE ENGINEER'S APPROVAL IS

REQUIRED PRIOR TO GRASSING OF THE BANK. IF ANY MODIFICATIONS ARE SPECIFIED,

- ADDITIONAL AS-BUILTS MAY BE REQUIRED. 3. LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES.
- 4. REVISIONS TO ROUTING OF PIPING AND CONDUITS.
- REVISIONS TO ELECTRICAL CIRCUITRY.
- 6. ACTUAL EQUIPMENT LOCATIONS.
- 8. CHANGES MADE FOLLOWING ENGINEER'S WRITTEN ORDERS.
- 9. DETAILS NOT ON THE ORIGINAL CONTRACT DRAWINGS. 10. FIELD RECORDS FOR VARIABLE AND CONCEALED CONDITIONS.
- 12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE 11. ALL SLEEVES, FITTINGS, TEES, BENDS, VALVES, ETC. SHALL BE LOCATED BY NORTHING AND EASTING (OR METHOD APPROVED BY ENGINEER) AND ELEVATION OF TOP OF PIPE FOR ALL CONSTRUCTED SLEEVING. AS-BUILTS FOR ALL SLEEVING DEPICTING TOP OF PIPE AT
 - 12. RECORD DRAWINGS SHALL INDICATE AS-BUILT DATA FOR EVERY ELEVATION SHOWN ON THE
 - 13. IF A NEW BENCHMARK LOCATION IS ESTABLISHED, CONTRACTOR SHALL PROVIDE A BENCH LOOP CLOSURE TO THE CLOSEST EXISTING BENCHMARKS IN BOTH DIRECTIONS. ALL BENCHMARK DATA SHALL BE SUBMITTED BY A REGISTERED LAND SURVEYOR.
 - 14. IDENTIFICATION OF ADDENDUM ITEMS ISSUED DURING BIDDING PERIOD
 - 15. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL AS-BUILT DATA FOR UTILITIES AND SLEEVING IS COLLECTED PRIOR TO PAVEMENT SECTION CONSTRUCTION. PRELIMINARY UTILITY AS-BUILTS MUST BE PROVIDED TO THE ENGINEER FOR REVIEW PRIOR TO PAVEMENT

SECTION CONSTRUCTION. 16. PRESSURE SYSTEMS (WATER):

- A. ACTUAL LENGTHS BETWEEN BRANCHES AND VALVES ALONG THE MAIN RUN.
- B. TOP OF PIPE AND FINISHED GRADE ELEVATIONS AT 100' INTERVALS.
- C. LOCATE WITH MEASUREMENTS FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS/ACCESSORIES NOT VISIBLE FROM THE SURFACE (MINIMUM TWO POINT TIES).
- D. AS-BUILT INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
- ALL AS-BUILT INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
- UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD COMPLETE SETS OF AS-BUILT CONSTRUCTION DRAWINGS AS REQUIRED FOR SUBMITTAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR.
- ALL OTHER REQUIRED PRESSURE PIPE INFORMATION IN ACCORDANCE WITH THE AS-BUILT REQUIREMENTS OF PALM BEACH COUNTY.
- UTILITY CROSSING SEPARATION INFORMATION FOR THAT PROVIDED ON THE PLANS
- A. SIZE AND MATERIAL OF CROSSING PIPES B. TOP ELEVATION OF BOTTOM PIPE
- C. BOTTOM ELEVATION OF TOP PIPE

ANY EXISTING UTILITIES NOT SHOWN.

D. FINISH SURFACE ELEVATION OVER UTILITY CROSSING

PRECONSTRUCTION RESPONSIBILITIES

- UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE OWNER, THE ENGINEER AND ITSELF.
- 2. THE CONTRACTOR SHALL CONTACT "SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811)" AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING ANY EXCAVATION. 3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE,
- LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER 4. ALL EXISITNG PBCWUD FACILITIES (IE. VALVES) TO BE OPERATED BY PBCWUD PERSONNEL ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR
- 5. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS; THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
- CONSTRUCTION SAFETY

 ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND IF ANY NEW LANDSCAPE MATERIALS ARE INSTALLED AS PART OF THIS PROJECT THEN SOD IF ANY NEW LANDSCAPE MATERIALS ARE INSTALLED AS PART OF THIS PROJECT THEN SOD SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE MANUAL OF UNIFORM TRAFFIC

- THE CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO SURVEY MAKERS DURING CONSTRUCTION. ANY SURVEY MARKERS DAMAGED DURING CONSTRUCTION WILL BE
- REPLACED AT THE EXPENSE OF THE CONTRACTOR. 2. BENCHMARK LOCATION AND ELEVATION ARE AS REPRESENTED BY SURVEYOR AT THE TIME OF SURVEY. CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT TIME OF
- 3. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88).

PAVING, GRADING AND DRAINAGE NOTES

- . ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL COUNTY OR STATE SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS, WHICHEVER IS MOST
- A. TOP ELEVATION OF EACH MANHOLE FRAME AND COVER / GRATE AS WELL ALL OTHER 2. ALL UNPAVED AREAS DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED, UNLESS OTHERWISE NOTED.
- B. INVERT ELEVATION OF EACH LINE ENTERING AND LEAVING EACH STRUCTURE, INCLUDING 3. 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.
 - 4. 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 AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE

- 5. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED WITH BAHIA SOD UNLESS INDICATED OTHERWISE ON THE ENGINEERING OR LANDSCAPE PLANS.
- 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.
- 8. 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.
- 9. 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 AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- 10. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE ENGINEER PRIOR TO ANY EXCAVATION.
- CONTRACTOR TO 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.
- 12. 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.
- 13. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED, AND MAINTAINED UNTIL A GOOD STAND OF 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. 14. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
- 15. 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

WUD REQUIRED GENERAL PROJECT NOTES:

I. RECORD DRAWINGS SHALL BE PREPARED IN THE STATE PLANE COORDINATE SYSTEM.

- 2. ALL UTILITY FEATURES SHALL BE SHOWN IN THEIR AS-BUILT LOCATION. 3. STATE PLANE COORDINATES SHALL BE DISPLAYED ON RECORD DRAWINGS FOR ALL
- FEATURES SPECIFIED IN PBCWUD STANDARDS. 4. STATE PLANE COORDINATES SHALL BE SHOWN ON PROPERTY CORNERS AS REQUIRED BY
- 5. WATER AND SEWER AS-BUILTS SHALL BE IN ACCORDANCE WITH PBCWUD STANDARDS
- HYDRANT & HYDRANT SECURITY EQUIPMENT NOTES:

 1. FIRE HYDRANT SHALL BE EQUIPPED WITH A SET OF AFC "CAPTIVATER" SECURITY CAPS. THE CAPS SHALL BE CHAINED TO THE HYDRANT BODY AND INSTALLED PRIOR TO ISSUANCE OF "CONSTRUCTION WATER RELEASE" CERTIFICATION. A SCHEDULED INSPECTION
- BY PBCWUD IS REQUIRED TO VERIFY THE INSTALLATION AND OPERATION OF THE CAPS. 2. PLEASE NOTE THAT THE SECURITY CAPS CAN ONLY BE REMOVED USING SPECIAL WRENCHES. THE CONTRACTOR SHALL CONTACT THE PBCWUD INSPECTOR FOR ASSISTANCE
- IF ACCESS TO THE HYDRANT IS REQUIRED FOR FLUSHING OR TESTING PURPOSES. 3. ALL FIRE HYDRANTS ARE TO BE INSTALLED SO THE PUMPER NOZZLE IS 5.0' MIN WITH

RAISED CURB OR 6.0' MIN WITHOUT RAISED CURB AND 12.0' MAX. FROM THE EDGE OF

GENERAL WATER NOTES: I. ALL WATER MAIN DUCTILE IRON PIPE AND PIPE FITTINGS SHALL BE PAINTED WITH A 4" WIDE CONTINOUS BLUE LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND IS

- LOCATED ALONG THE TOP OF THE PIPE. 2. ALL PVC WATER MAINS SHALL BE MARKED WITH ONE CONTINOUS STRIP OF 6" WIDE MAGNETIC BLUE CODED TAPE IMPRINTED WITH TWO (2) INCH HIGH LETTERING READING "CAUTION - POTABLE WATER LINE BURIED BELOW" AND LOCATED APPROXIMATELY TWELVE (12) INCHES ABOVE THE CROWN OF THE PIPE. THE WORDING SHALL OCCUR EVERY THREE
- 3. ALL WATER SERVICE BRASS FITTINGS ARE REQUIRED TO BE LEAD FREE.

PAVEMENT.

REMOVED/RELOCATED.

- GENERAL SEWER NOTE:
 1. ON-SITE SEWER LATERALS ARE PRIVATELY OWNED AND MAINTAINED.
- ONLY WITH NO SHRUBS AND/OR TREES ARE TO BE INSTALLED WITHIN 5' OF ANY WATER METER AND WITHIN 7.5' OF ANY FIRE HYDRANT. TREES CANNOT BE INSTALLED WITHIN 10' OF A WUD WATER/GRAVITY/FORCE MAIN WITHOUT PRIOR PBCWUD APPROVAL AND THE

MINIMUM OF ANY NEW WUD MAIN A ROOT BARRIER IS REQUIRED TO BE INSTALLED OR TREE

INSTALLATION OF A ROOT BARRIER. ALSO IF ANY EXISTING TREES ARE LESS THAN 10'

2. SEWER CLEANOUT MINI-MANHOLES ARE REQUIRED ON ALL CLEANOUTS WITHIN PAVEMENT

FRTICAL DATUM

LEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. NAVD '88 ELEV. + 1.52' = NGVD '29 ELEVATION

ISSUE AND OBTAINING ALL NECESSARY PERMITS

ANTICIPATED. CONTRACTOR'S BID SHALL

THE PRESENCE OF GROUNDWATER SHOULD BE INCLUDE CONSIDERATION FOR ADDRESSING THIS

BEFORE YOU DIG IT'S THE LAW! Know what's **below. DIAL 811**

CALL 2 WORKING DAYS

Call before you dig SUNSHINE STATE ONE CALL OF FLORIDA, INC.

O

(imle)



00

THESE DRAWINGS ARE FOR THE EXCLUSIVE USE OF SPINA OROURKE PARTNERS, INC. AND MAY NOT BE DUPLICATED, REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SPINA

OROURKE + PARTNERS, INC. ALL

LICENSED PROFESSIONAL

FLORIDA LICENSE NUMBER

67505

OCT. 7, 2024

JOSHUA D. HORNING

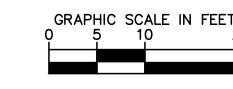


Project no: 24535000



FINAL SUBMITTAL

EAST BLOCK



<u>LEGEND</u>

LIMITS OF WORK. REMOVE ALL EXIST. LANDSCAPE, PAVEMENT AND SURFACE IMPROVEMENTS UNLESS OTHERWISE NOTED. PROTECT IN PLACE ALL UNDERGROUND UTILITIES UNLESS OTHERWISE STATED. FENCE CHAIN (SEE DETAIL SHEET C1.10) SILT FENCE (SEE DETAIL SHEET C1.10) REMOVE EXISTING UNDERGROUND UTILITY FILTER SACK INLET PROTECTION (SEE DETAIL SHEET C1.10)

DEMOLITION NOTES

- 1. ANY ITEMS TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE EXISTING CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
- 2. REFER TO LANDSCAPE PLANS FOR TREE REMOVAL, RELOCATION, AND PROTECTION INFORMATION. ANY AREAS FOR LANDSCAPING SHALL HAVE ALL BASE AND SUBGRADE MATERIAL REMOVED TO A DEPTH
- 3. ALL VALVE BOXES, MANHOLES, CATCH BASINS, AND OTHER ITEMS TO REMAIN SHALL BE ADJUSTED TO PROPOSED GRADE.
- 4. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
- 5. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT
- 6. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION AND DEWATERING PERMITS, IF APPLICABLE. 7. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
- 8. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
- 9. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
- 10. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
- 11. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.

13. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES,

POSTED TO DIRECT THE PUBLIC TO THE PATH OF TRAVEL.

- 12. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS. CONTRACTOR SHALL REPLACE DAMAGED STRUCTURES AT THEIR EXPENSE.
- ETC. AS APPROVED BY THE #### AND CONSTRUCTION MANAGER. 14. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES AND CONSTRUCTION OF NEW FACILITIES. SIGNAGE SHALL BE
- 15. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
- 16. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY
- 17. CONTRACTOR SHALL COORDINATE THE LIMITS OF UTILITY DEMOLITION WITH PROPOSED PLANS.

VERTICAL DATUM

LEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. NAVD '88 ELEV. + 1.52' = NGVD '29 ELEVATION

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS CALL 2 WORKING DAYS BEFORE YOU DIG

IT'S THE LAW! **DIAL 811** Call before you dig SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley» Horn

THESE DRAWINGS ARE FOR THE EXCLUSIVE USE OF SPINA OROURKE + PARTNERS, INC. AND MAY NOT BE DUPLICATED, REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SPINA

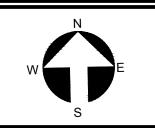
LICENSED PROFESSIONAL JOSHUA D. HORNING

OROURKE + PARTNERS, INC. ALL

FLORIDA LICENSE NUMBER 67505

OCT. 7, 2024

Project no: 245350000 Drawn by: MXE Project Manager: JDH



- 1. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UP-SLOPE LAND DISTURBANCE TAKES PLACE.
- 2. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
- 3. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
- . DURING CONSTRUCTION OF THE PROJECT. SOIL STOCK PILES SHALL BE STABILIZED. COVERED OR CONTAINED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
- 5. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.
- 6. AFTER ANY SIGNIFICANT RAINFALL, SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY.
- 7. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, SLOPE DRAIN STRUCTURE OR APPROVED
- 8. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM, DITCH OR CHANNEL. ALL STORM WATER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- . WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION.
- 10. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT CONTROLS. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
- 11. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
- 12. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- 13. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.
- 14. EROSION CONTROL DESIGN AND CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS IN INDEX NUMBERS 101, 102 AND 103 OF F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS AND COUNTY PERMITS.
- 15. CONTRACTOR IS RESPONSIBLE FOR ALL SURFACE WATER DISCHARGES, RAINFALL RUN OFF OR DEWATERING
- 16. CONTRACTOR MUST INCORPORATE ALL BMP'S NECESSARY TO MEET OR EXCEED STATE WATER QUALITY AND
- 17. THE POLLUTION PREVENTION PLAN IS A MINIMUM GUIDELINE ONLY. ADDITIONAL BMP'S MAY BE NECESSARY AT CONTRACTOR'S EXPENSE.
- 18. NOI TO BE POSTED ON SITE.
- A. DISCHARGE MUST NOT EXCEED STATE WATER QUALITY STANDARDS.
- B. CONTRACTOR MUST HAVE A TRANSFERABLE SFWMD DEWATERING PERMIT. C. NO HYDRAULIC PUMPS MAY BE USED FOR DEWATERING UNLESS APPROVED BY THE WATER
- MANAGEMENT DISTRICT FOR THAT AREA.

- 1. CONTRACTOR TO CONSIDER POTENTIAL DEWATERING ACTIVITIES WHEN PREPARING BID DOCUMENTS FOR THIS 2. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEWATERING PERMITS AS SITE CONDITIONS AND CONSTRUCTION ACTIVITIES REQUIRE.
- 3. CONTRACTOR TO USE B.M.P.'S TO ENSURE COMPLIANCE WITH NPDES AND WATER MANAGEMENT DISTRICT REGULATIONS FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND DEWATERING OPERATIONS. 4. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR, OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

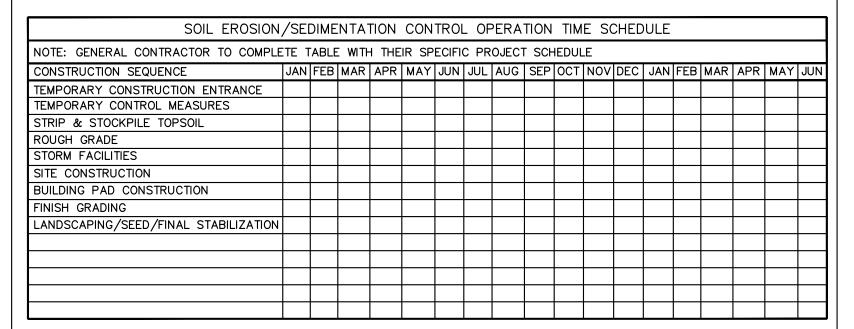
PHASING NOTES

- CONTRACTOR MAY PHASE EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH SITE
- CONTRACTOR SHALL ENSURE THAT THE CONSTRUCTION AREA IS SEPARATED FROM THE AREA NOT UNDER CONSTRUCTION WITH A TEMPORARY CHAIN LINK FENCE AND ENSURE THE SAFETY OF THE PUBLIC.

MAINTENANCE (ALL PHASES)

ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR/PRIMARY PERMITEE. THESE MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- 1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
- 2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS
- 3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES
- ONE-HALF THE HEIGHT OF THE SILT FENCE. 4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL
- PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS
- 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.



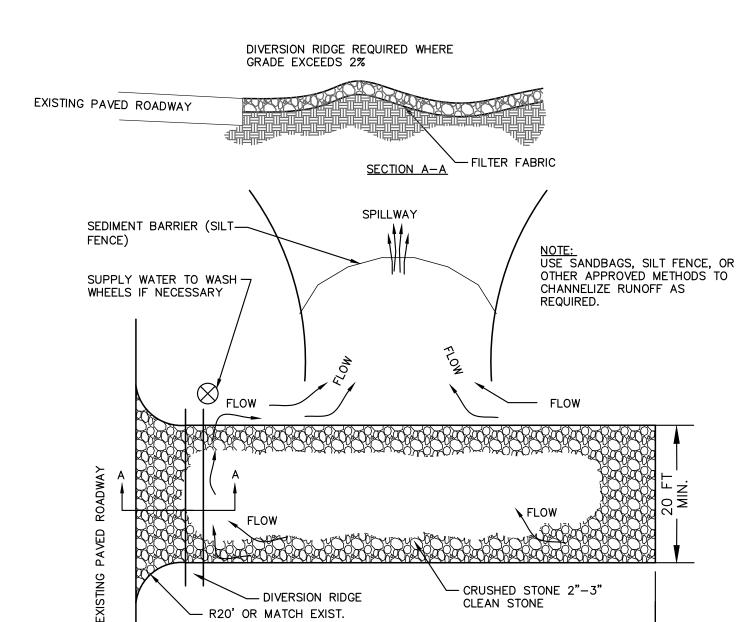
SEQUENCE OF CONSTRUCTION

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAYDOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.

- 1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND INSTALL SILT FENCE, TURBIDITY BARRIER AND INLET PROTECTION.
- PERFORM CLEARING AND GRUBBING AND DEMOLITION.

PHASE 2

- PERFORM MASS GRADING. ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
- CONSTRUCT PROPOSED DRAINAGE INFRASTRUCTURE TEMPORARILY SEED WITH PURE LIVE SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE OR AS REQUIRED BY GENERIC PERMIT.
- CONSTRUCT PROPOSED IMPROVEMENTS, INCLUDING BUILDING PAD.
- COMPLETE FINAL GRADING AND FINAL STABILIZATION.
- REMOVE TEMPORARY EROSION CONTROL MEASURES.

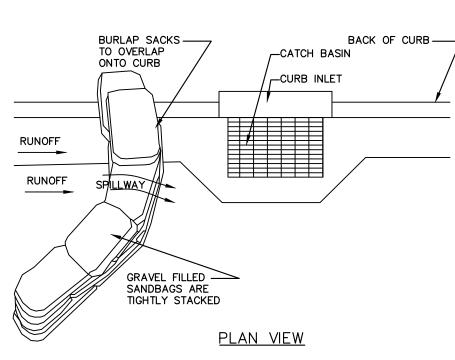


- <u>PLAN VIEW</u> 1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

NOT TO SCALE

K-H



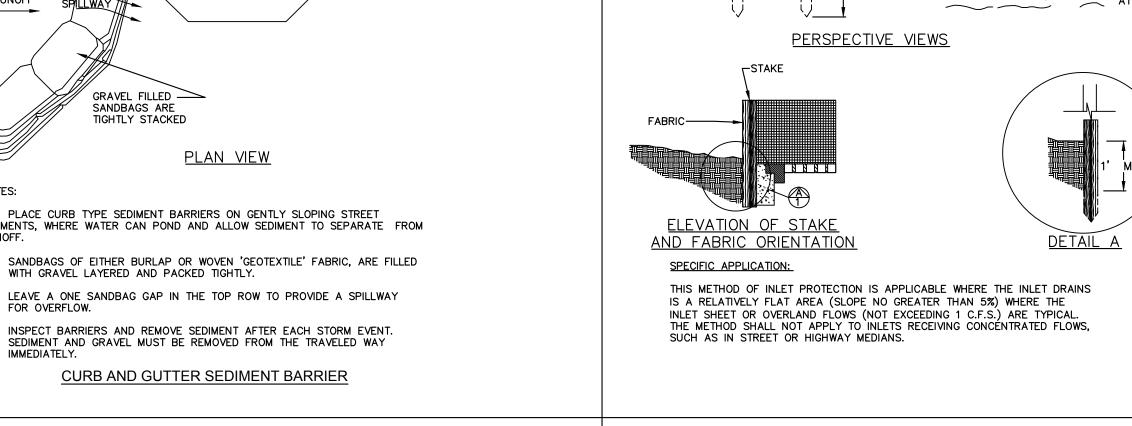
BACK OF

SIDEWALK

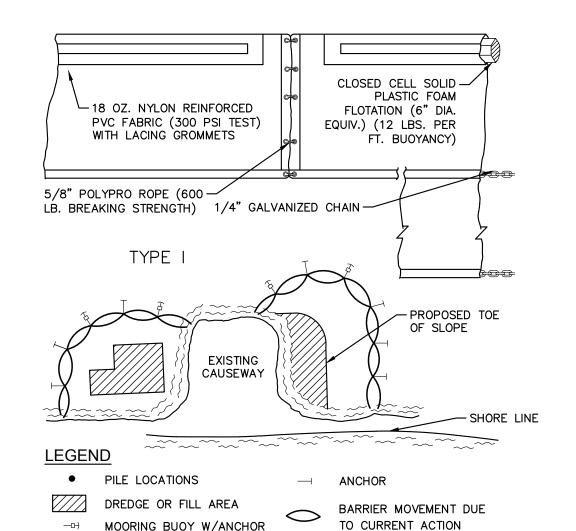
I. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM

- SANDBAGS OF EITHER BURLAP OR WOVEN 'GEOTEXTILE' FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
- INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY

CURB AND GUTTER SEDIMENT BARRIER



2"X4" WOOD FRAME



1. D1=5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS). D2=5' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). 2. CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS

SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

DANDY CURB"

DANDY CURB™

SPECIFICATIONS

*Note: All IP—12 can be ordered with our optional oil absorbents

DETAIL OF CURB INLET SEDIMENT CONTROL DEVICE WITH CURB FILTER

Test Method

ASTM D 4491

MOORING BUOY W/ANCHOR

CURB OPENING-WITHOUT

GRATE

NOTE: IP-12 WILL BE MANUFACTURED

IN THE U.S.A. FROM A

WOVEN MONOFILAMENT FABRIC THAT

MEETS OR EXCEEDS THE FOLLOWING

DANDY CURB™ (SAFETY ORANGE)

Grab Tensile Strength

Grab Tensile Elongation

Mullen Burst Strength Trapezoid Tear Strength

UV Resistence Apparent Opening Size
Flow Rate

SPECIFICATIONS:

OVERFLOW —

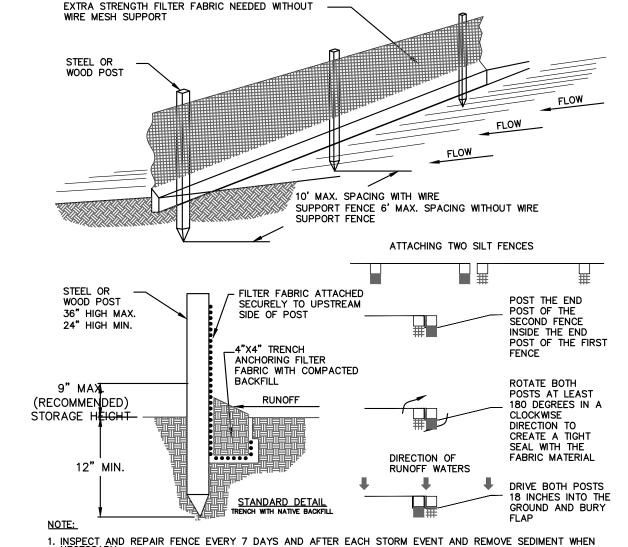
GAP

AGGREGATE –

POUCH

- MANHOLE

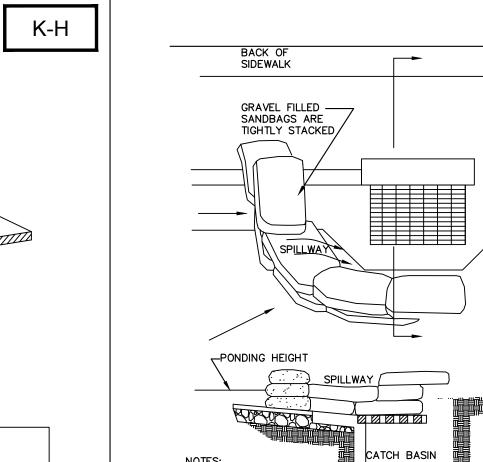
- CURB FILTER



2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED. 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

4. DOUBLE ROW SILT FENCE SHALL BE INSTALLED WITH 3' HORIZONTAL SPACING.

K-H



1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED

LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR

VERTICAL DATUM. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. ELEVATIONS SHOWNEREREORAXEEMUSASEDREMOVEPHEON THE TRAVELED WAY IMMED NORTH AMERICAN VERTICAL DATUM OF 1988 IN NAVD '88 ELEV. + 1.52' = NGVD '29 ELEVATION

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS



THESE DRAWINGS ARE FOR THE EXCLUSIVE USE OF SPINA OROURKE PARTNERS, INC. AND MAY NOT BE DUPLICATED, REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SPINA OROURKE + PARTNERS, INC. ALL LICENSED PROFESSIONAL JOSHUA D. HORNING FLORIDA LICENSE NUMBER

FINAL SUBMITTAL

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

PLAN VIEW

-SIDEWALK

→ EXCESS AT CORNERS

WITH GRATE

1. INSPECT AND REPAIR FENCE EVERY 7 DAYS AND AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY

BACK OF CURB -----CATCH BASIN -CURB INLET

CURB INLET

67505 ____ OCT. 7, 2024

Project no: 245350000 Drawn by: MXE Project Manager: JDH

Horn

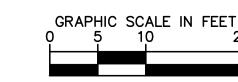
Kimley

80

3

00

EAST BLOCK



<u>LEGEND</u>

ADA PARKING STALL SIGN LOCATION

| PARI | (ING COUNT | |
|--------------------------------|------------|----------|
| Total Number of Parking Spaces | Required | Proposed |
| Entire campus | 316 | 223 |

HORIZONTAL CONTROL NOTES

- 1. ALL CURBING IS TYPE "D" UNLESS OTHERWISE STATED.
- TYPE "D" CURB AND TYPE "F" CURB AND GUTTER SHALL BE CONSTRUCTED PER FDOT INDEX 300. ALL
 TYPE "D" CURB SHALL HAVE A 3' STRAIGHT TRANSITION AT THE BEGINNING AND ENDING POINTS WHEN
 NOT CONNECTING TO TYPE "F" CURB AND GUTTER.
- ALL DIMENSIONS SHOWN ARE TO FACE OF CURB FOR TYPE "D" CURB OR EDGE OF PAVEMENT FOR NO CURB, UNLESS OTHERWISE NOTED.
- 4. ALL CURB RAMPS AND SIDEWALKS ENTERING PARKING OR TRAVEL WAYS SHALL HAVE DETECTABLE
- WARNING SURFACES 2' DEEP AND THE WIDTH OF THE SIDEWALK. REFER TO LATEST FDOT DESIGN STANDARDS INDEX 522-002.

 5. ALL RADII ARE [3 FEET] UNLESS OTHERWISE NOTED.
- 6. ALL STOP BARS AND CROSSWALKS SHALL BE THERMOPLASTIC. ALL OTHER PAVEMENT MARKINGS ARE PAINT, UNLESS OTHERWISE NOTED.
- 7. REFER TO LANDSCAPE PLANS FOR PLANTING AND DETAILS.

| | KEY NOTE LEGEND |
|---|---|
| 1 | CONCRETE WHEEL STOP (TYP.). SEE DETAIL SHEET. |
| 2 | ACCESSIBLE PARKING SPACE w/ SINGAGE TYPICAL. SEE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL. |
| 3 | CONCRETE TRANSFORMER PAD. CONTRACTOR TO COORDINATE WITH LOCAL FPL FOR DETAILS. |
| 4 | TYPE "D" CURB TRANSITION. |
| 5 | PEDESTRIAN WALKWAY. SEE DETAIL SHEET. |
| 6 | CURB RAMP PER FDOT INDEX 304. |
| 7 24" STOP BAR w/ "STOP" SIGN. SEE SIGNAGE DETAIL LEGEND. | |
| 8 | PROPOSED GATE. |
| 9 | PROPOSED LIGHT POLE. SEE PHOTOMETRIC PLAN. |
| 10 | PROPERTY LINE |
| 11) | FLUSH SIDEWALK. |
| 12 | DUMPSTER ENCLOSURE AREA W/ HEAVY DUTY CONCRETE PAD. |

VERTICAL DATUM ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. NAVD '88 ELEV. + 1.52' = NGVD '29 ELEVATION

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS. **CALL 2 WORKING DAYS** IT'S THE LAW!

DIAL 811 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley» Horn

THESE DRAWINGS ARE FOR THE EXCLUSIVE USE OF SPINA OROURKE + PARTNERS, INC. AND MAY NOT BE DUPLICATED, REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SPINA OROURKE + PARTNERS, INC. ALL

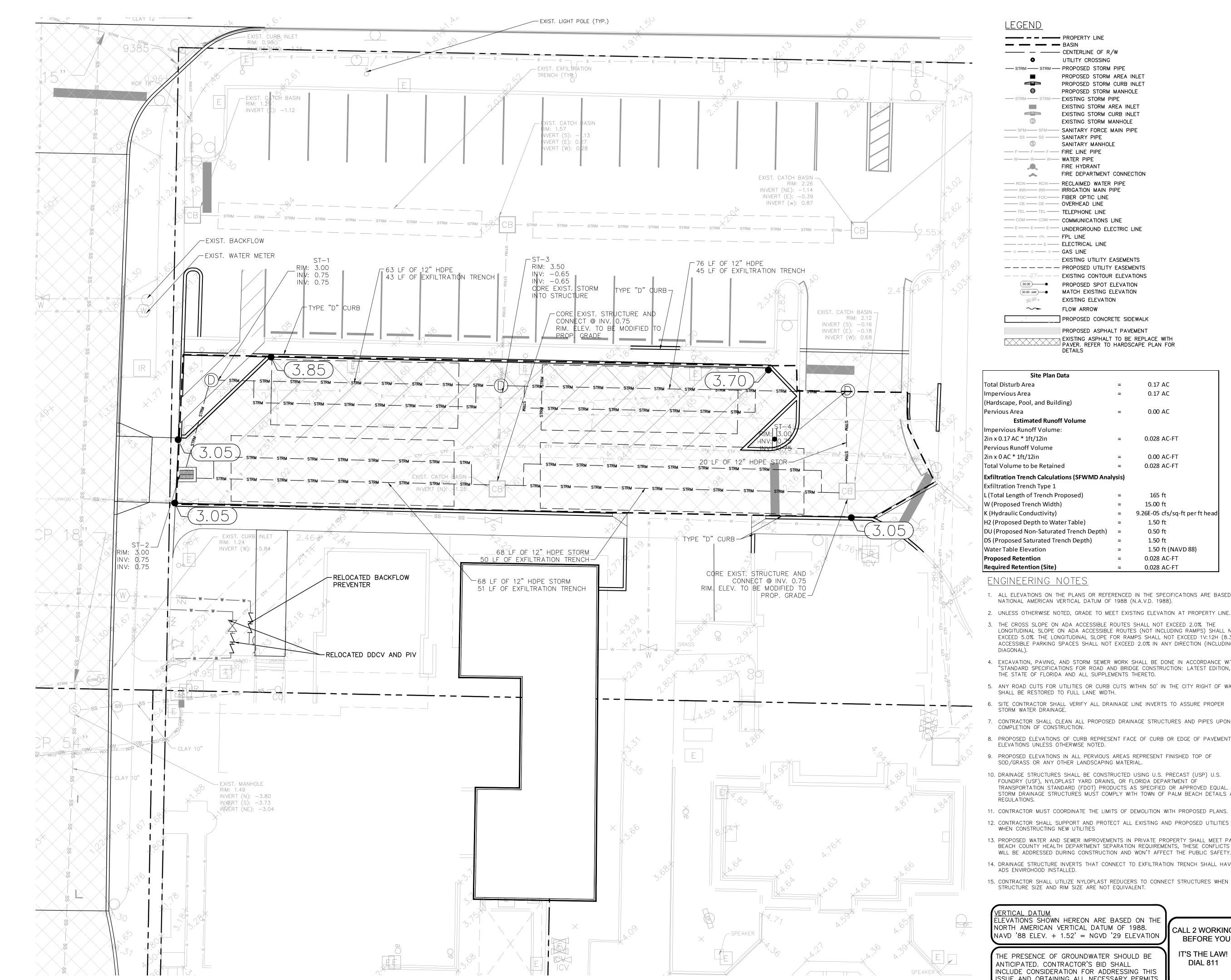
LICENSED PROFESSIONAL JOSHUA D. HORNING

FLORIDA LICENSE NUMBER 67505

)ATE: ————

Project no: 245350000 Drawn by: MXE

Project Manager: JDH



<u>LEGEND</u>

PROPERTY LINE — — CENTERLINE OF R/W UTILITY CROSSING PROPOSED STORM AREA INLET PROPOSED STORM CURB INLET PROPOSED STORM MANHOLE - EXISTING STORM PIPE EXISTING STORM AREA INLET EXISTING STORM CURB INLET EXISTING STORM MANHOLE SANITARY FORCE MAIN PIPE SANITARY MANHOLE — F— F— FIRE LINE PIPE FIRE HYDRANT FIRE DEPARTMENT CONNECTION ----- IRR----- IRRIGATION MAIN PIPE —— FOC—— FOC—— FIBER OPTIC LINE ---- OE ---- OVERHEAD LINE TEL TEL TELEPHONE LINE —— COM —— COMMUNICATIONS LINE ----E---E--- UNDERGROUND ELECTRIC LINE ----- FPL ----- FPL LINE — G — G — GAS LINE — — — — — EXISTING UTILITY EASEMENTS — — — — — PROPOSED UTILITY EASEMENTS ----27 — EXISTING CONTOUR ELEVATIONS PROPOSED SPOT ELEVATION

FLOW ARROW PROPOSED CONCRETE SIDEWALK PROPOSED ASPHALT PAVEMENT EXISTING ASPHALT TO BE REPLACE WITH PAVER. REFER TO HARDSCAPE PLAN FOR DETAILS

EXISTING ELEVATION

30.00 ±ME) → MATCH EXISTING ELEVATION

Site Plan Data Total Disturb Area 0.17 AC Impervious Area 0.17 AC (Hardscape, Pool, and Building) Pervious Area 0.00 AC **Estimated Runoff Volume** Impervious Runoff Volume: 2in x 0.17 AC * 1ft/12in 0.028 AC-FT Pervious Runoff Volume 2in x 0 AC * 1ft/12in 0.00 AC-FT Total Volume to be Retained 0.028 AC-FT **Exfiltration Trench Calculations (SFWMD Analysis)** Exfiltration Trench Type 1 L (Total Length of Trench Proposed) 165 ft W (Proposed Trench Width) 15.00 ft K (Hydraulic Conductivity) = 9.26E-05 cfs/sq-ft per ft head H2 (Proposed Depth to Water Table) 1.50 ft DU (Proposed Non-Saturated Trench Depth) 0.50 ft 1.50 ft DS (Proposed Saturated Trench Depth) Water Table Elevation 1.50 ft (NAVD 88) 0.028 AC-FT

ENGINEERING NOTES

1. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NATIONAL AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 1988).

0.028 AC-FT

- 2. UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATION AT PROPERTY LINE.
- 3. THE CROSS SLOPE ON ADA ACCESSIBLE ROUTES SHALL NOT EXCEED 2.0%. THE LONGITUDINAL SLOPE ON ADA ACCESSIBLE ROUTES (NOT INCLUDING RAMPS) SHALL NOT EXCEED 5.0%. THE LONGITUDINAL SLOPE FOR RAMPS SHALL NOT EXCEED 1V:12H (8.3%). ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2.0% IN ANY DIRECTION (INCLUDING
- 4. EXCAVATION, PAVING, AND STORM SEWER WORK SHALL BE DONE IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION: LATEST EDITION, BY THE STATE OF FLORIDA AND ALL SUPPLEMENTS THERETO.
- 5. ANY ROAD CUTS FOR UTILITIES OR CURB CUTS WITHIN 50' IN THE CITY RIGHT OF WAY SHALL BE RESTORED TO FULL LANE WIDTH.
- 6. SITE CONTRACTOR SHALL VERIFY ALL DRAINAGE LINE INVERTS TO ASSURE PROPER STORM WATER DRAINAGE.
- 7. CONTRACTOR SHALL CLEAN ALL PROPOSED DRAINAGE STRUCTURES AND PIPES UPON COMPLETION OF CONSTRUCTION.
- 8. PROPOSED ELEVATIONS OF CURB REPRESENT FACE OF CURB OR EDGE OF PAVEMENT
- 9. PROPOSED ELEVATIONS IN ALL PERVIOUS AREAS REPRESENT FINISHED TOP OF
- 10. DRAINAGE STRUCTURES SHALL BE CONSTRUCTED USING U.S. PRECAST (USP) U.S. FOUNDRY (USF), NYLOPLAST YARD DRAINS, OR FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD (FDOT) PRODUCTS AS SPECIFIED OR APPROVED EQUAL. ALL STORM DRAINAGE STRUCTURES MUST COMPLY WITH TOWN OF PALM BEACH DETAILS AND
- 11. CONTRACTOR MUST COORDINATE THE LIMITS OF DEMOLITION WITH PROPOSED PLANS.
- WHEN CONSTRUCTING NEW UTILITIES
- 13. PROPOSED WATER AND SEWER IMPROVEMENTS IN PRIVATE PROPERTY SHALL MEET PALM BEACH COUNTY HEALTH DEPARTMENT SEPARATION REQUIREMENTS, THESE CONFLICTS WILL BE ADDRESSED DURING CONSTRUCTION AND WON'T AFFECT THE PUBLIC SAFETY.
- 14. DRAINAGE STRUCTURE INVERTS THAT CONNECT TO EXFILTRATION TRENCH SHALL HAVE ADS ENVIROHOOD INSTALLED.
- 15. CONTRACTOR SHALL UTILIZE NYLOPLAST REDUCERS TO CONNECT STRUCTURES WHEN

VERTICAL DATUM

LEVATIONS SHOWN HEREON ARE BASED ON TH NORTH AMERICAN VERTICAL DATUM OF 1988. NAVD '88 ELEV. + 1.52' = NGVD '29 ELEVATION

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS CALL 2 WORKING DAYS BEFORE YOU DIG IT'S THE LAW! **DIAL 811**

Call before you dig SUNSHINE STATE ONE CALL OF FLORIDA, INC.

GRAPHIC SCALE IN FEET

Kimley» Horn

THESE DRAWINGS ARE FOR THE EXCLUSIVE USE OF SPINA OROURKE + PARTNERS, INC. AND MAY NOT BE DUPLICATED, REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SPINA OROURKE + PARTNERS, INC. ALL

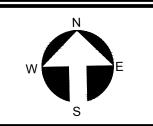
LICENSED PROFESSIONAL JOSHUA D. HORNING

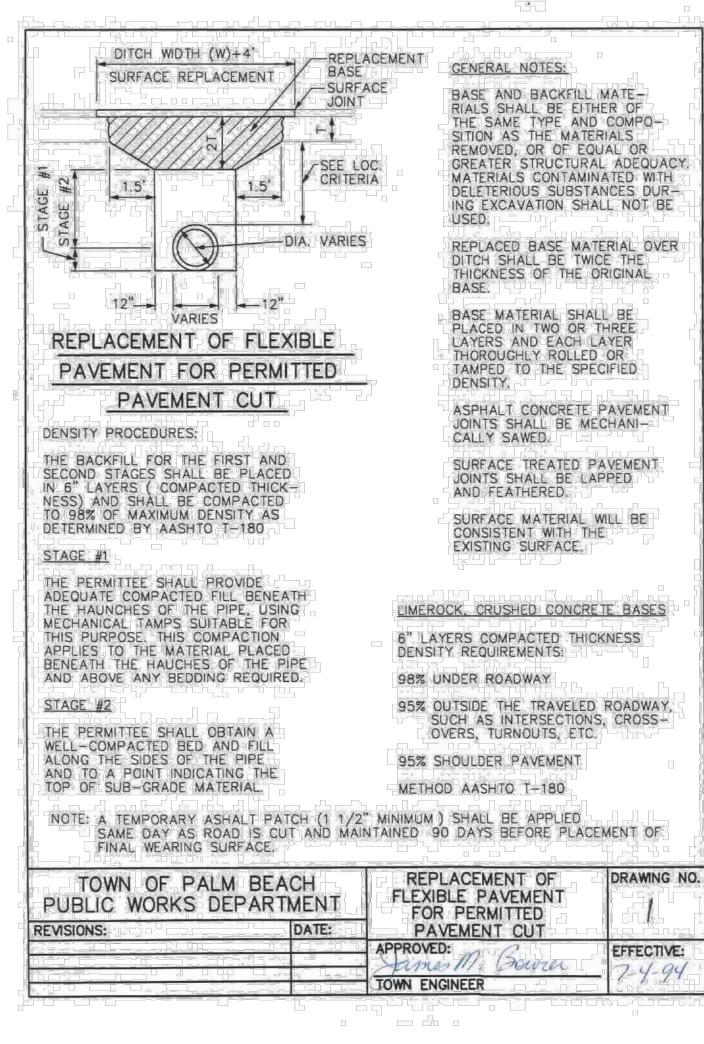
FLORIDA LICENSE NUMBER

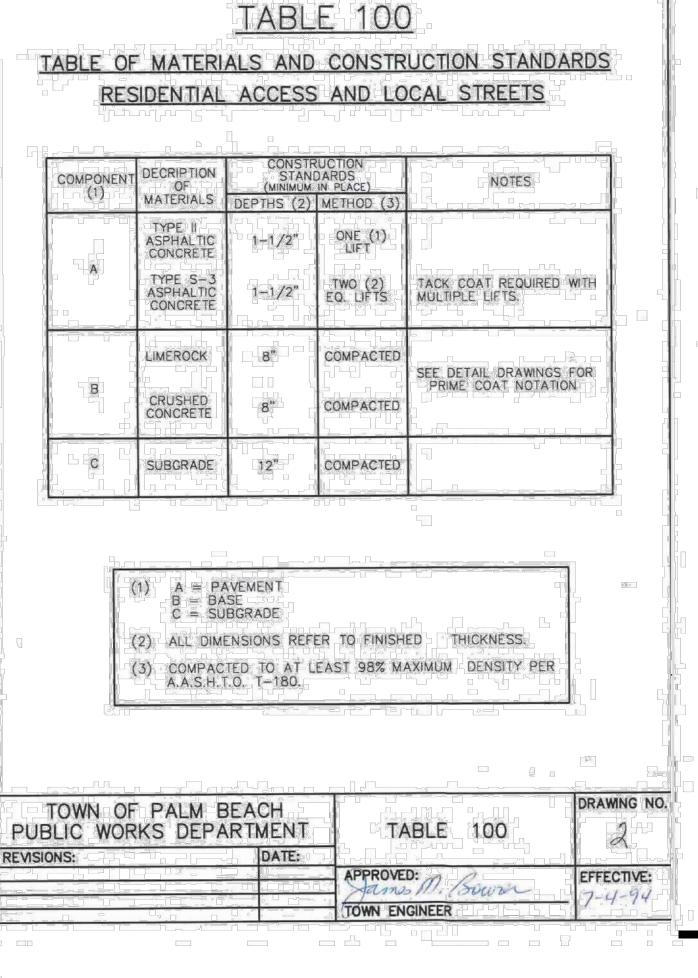
67505

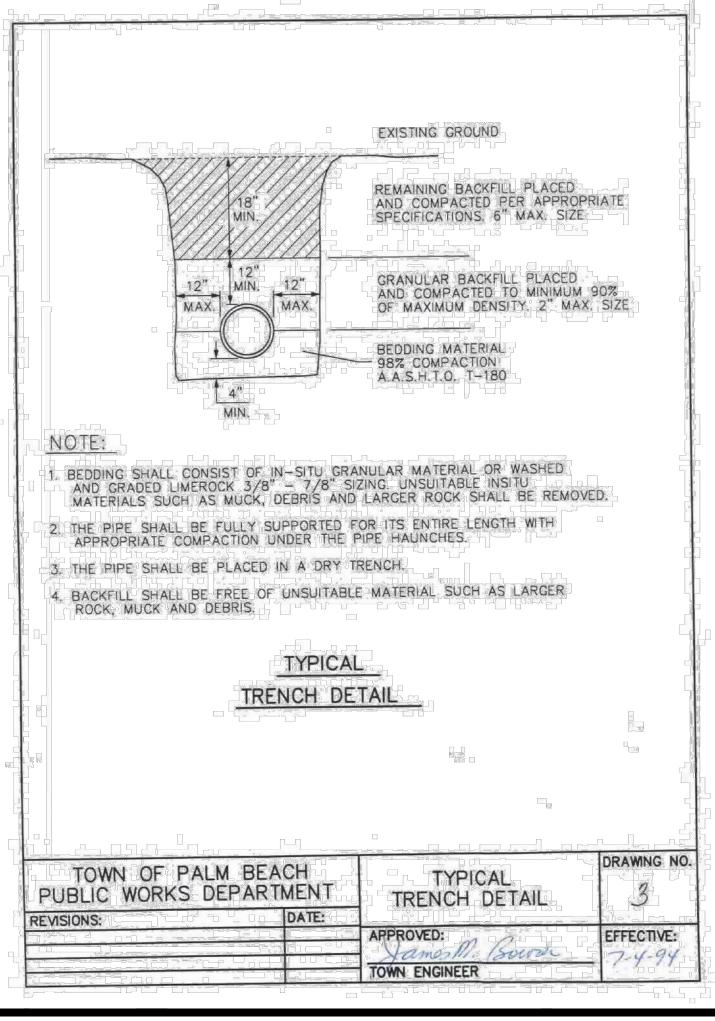
____ OCT. 7, 2024

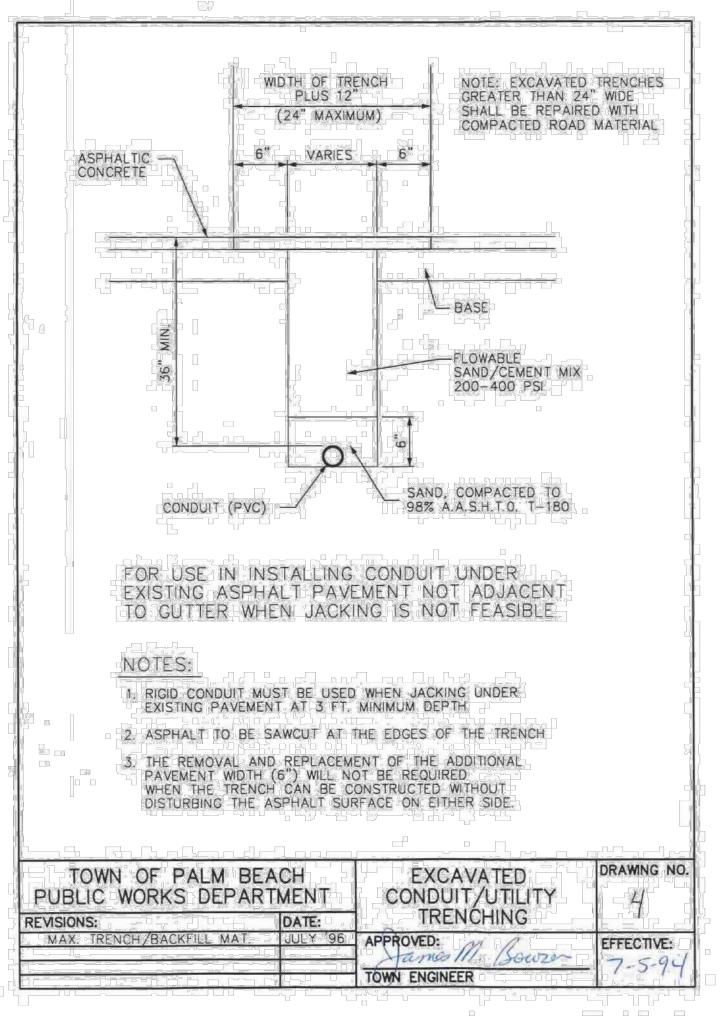
Project no: 245350000 Drawn by: MXE Project Manager: JDH

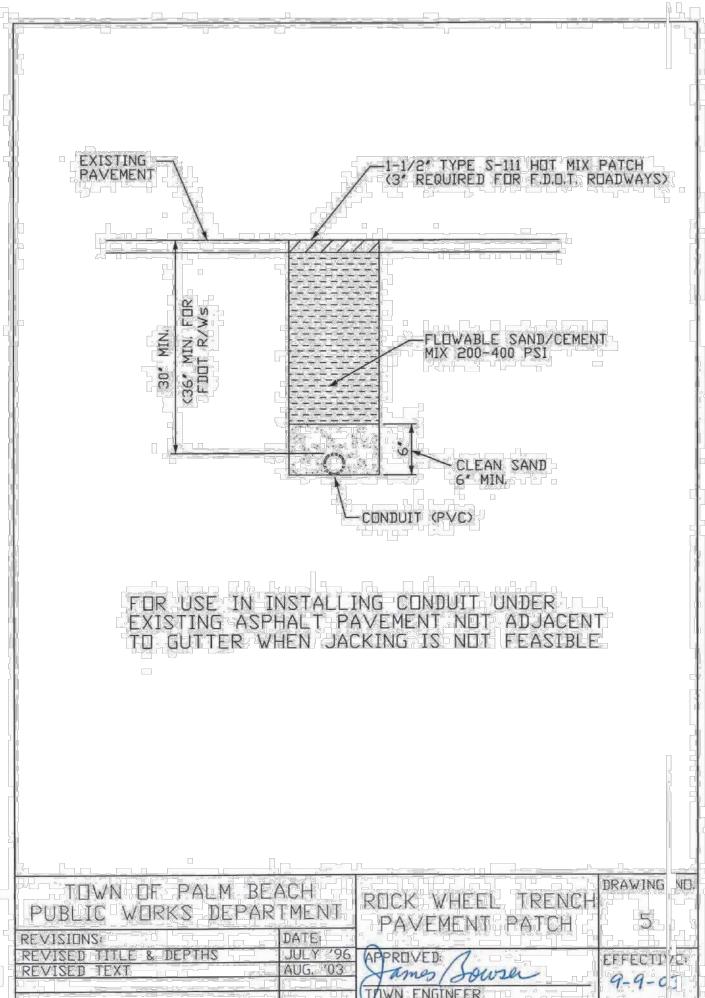


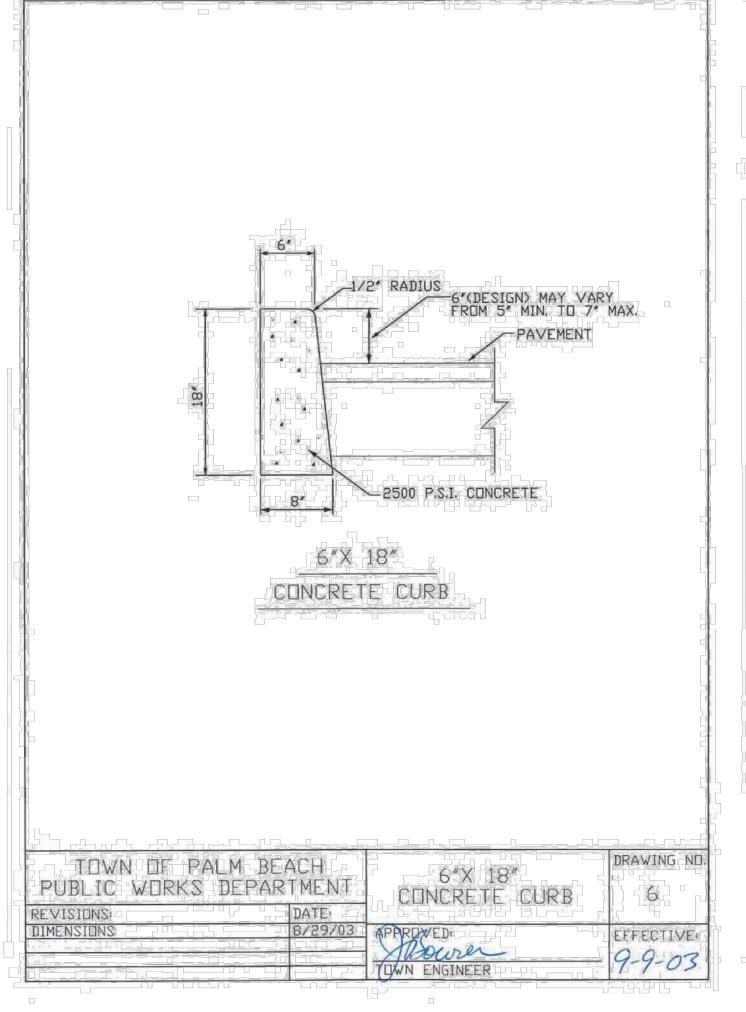


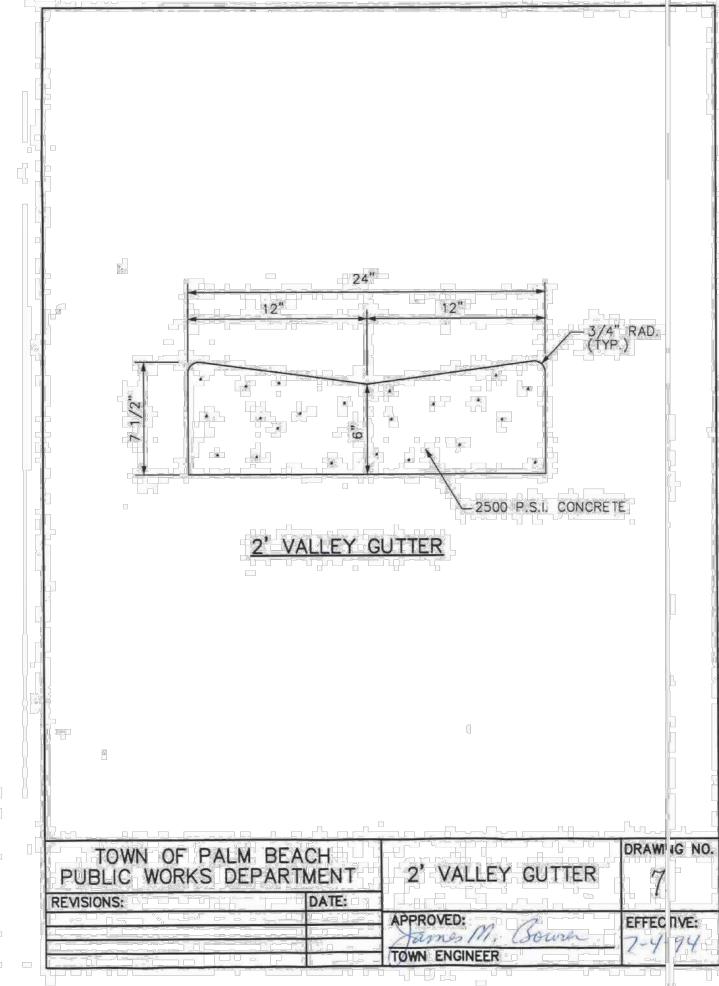


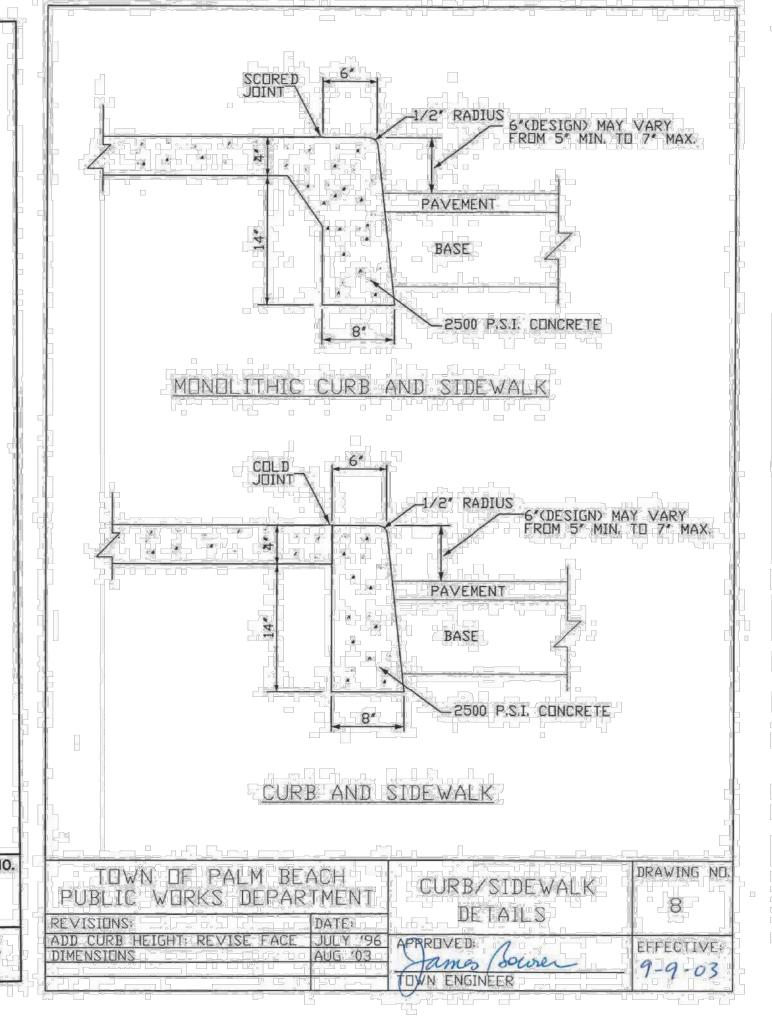










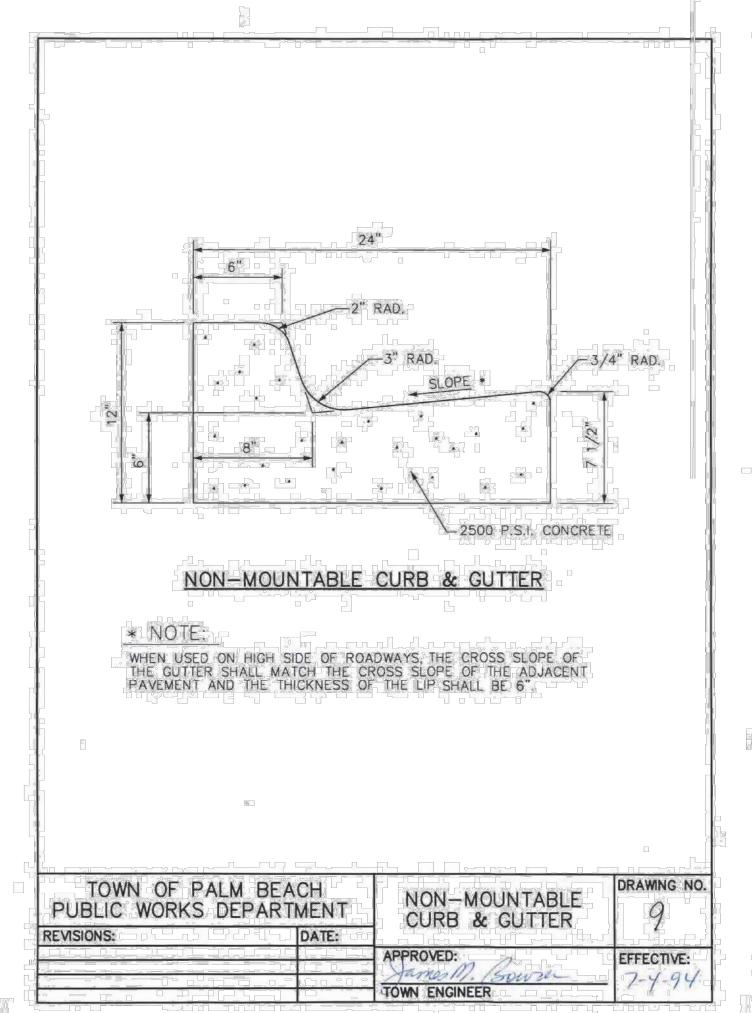


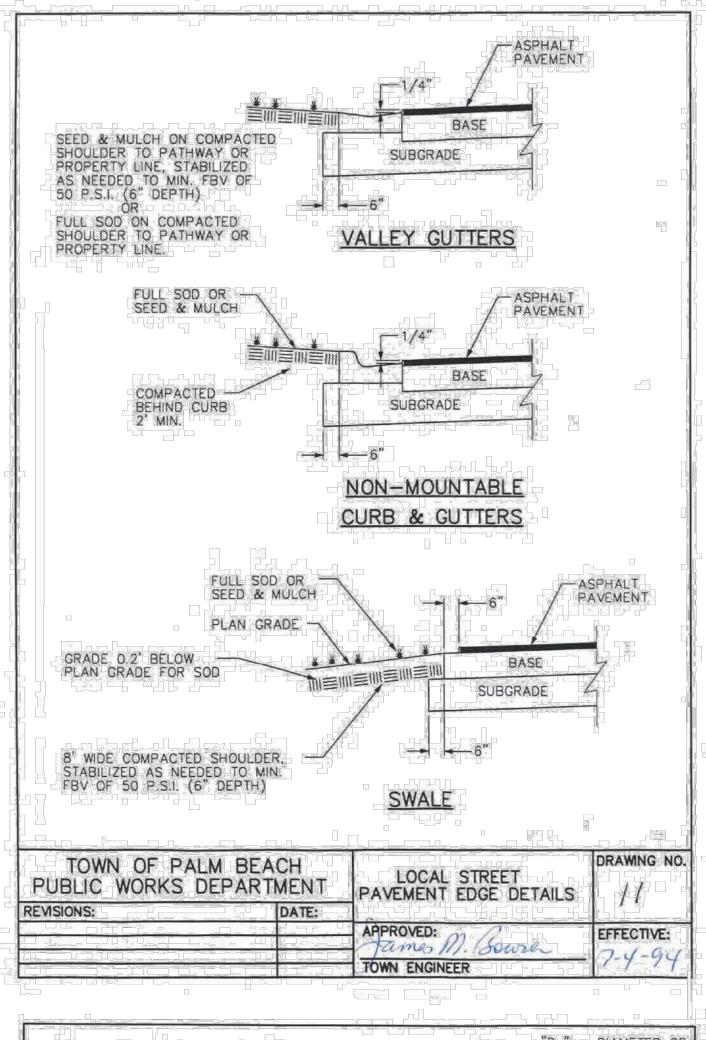
JOSHUA D. HORNING

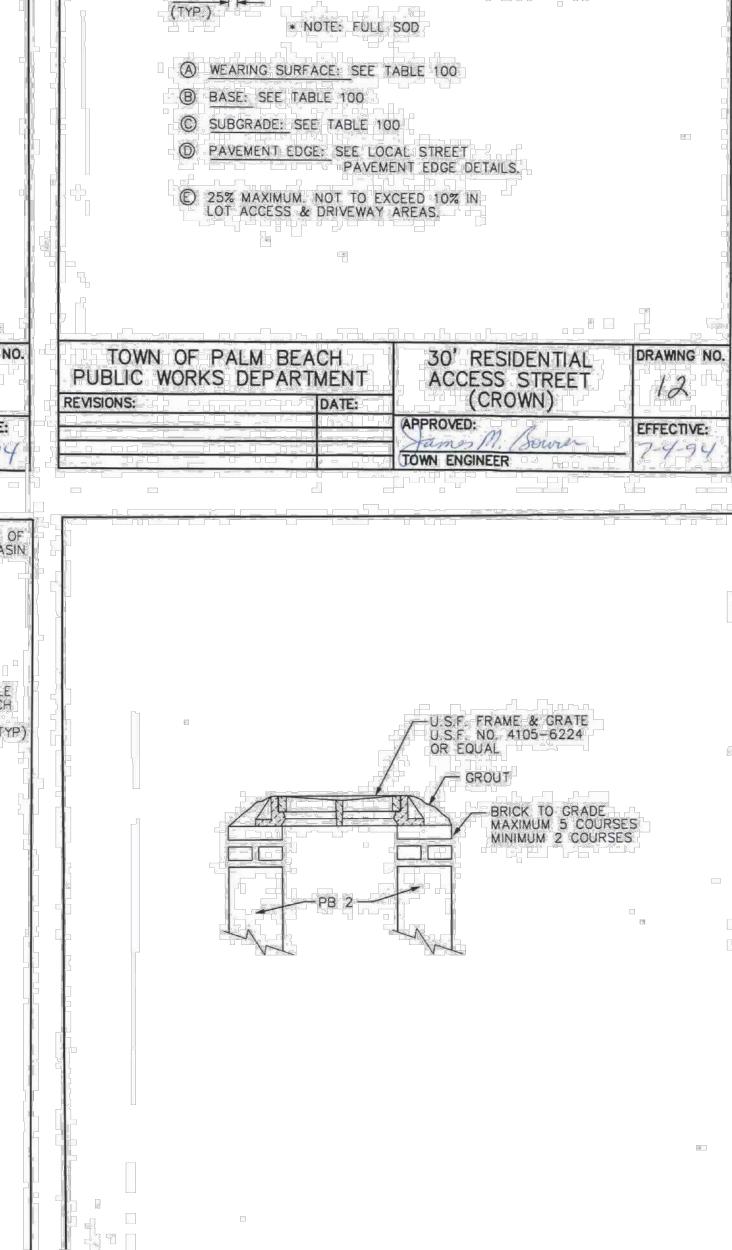
FLORIDA LICENSE NUMBER

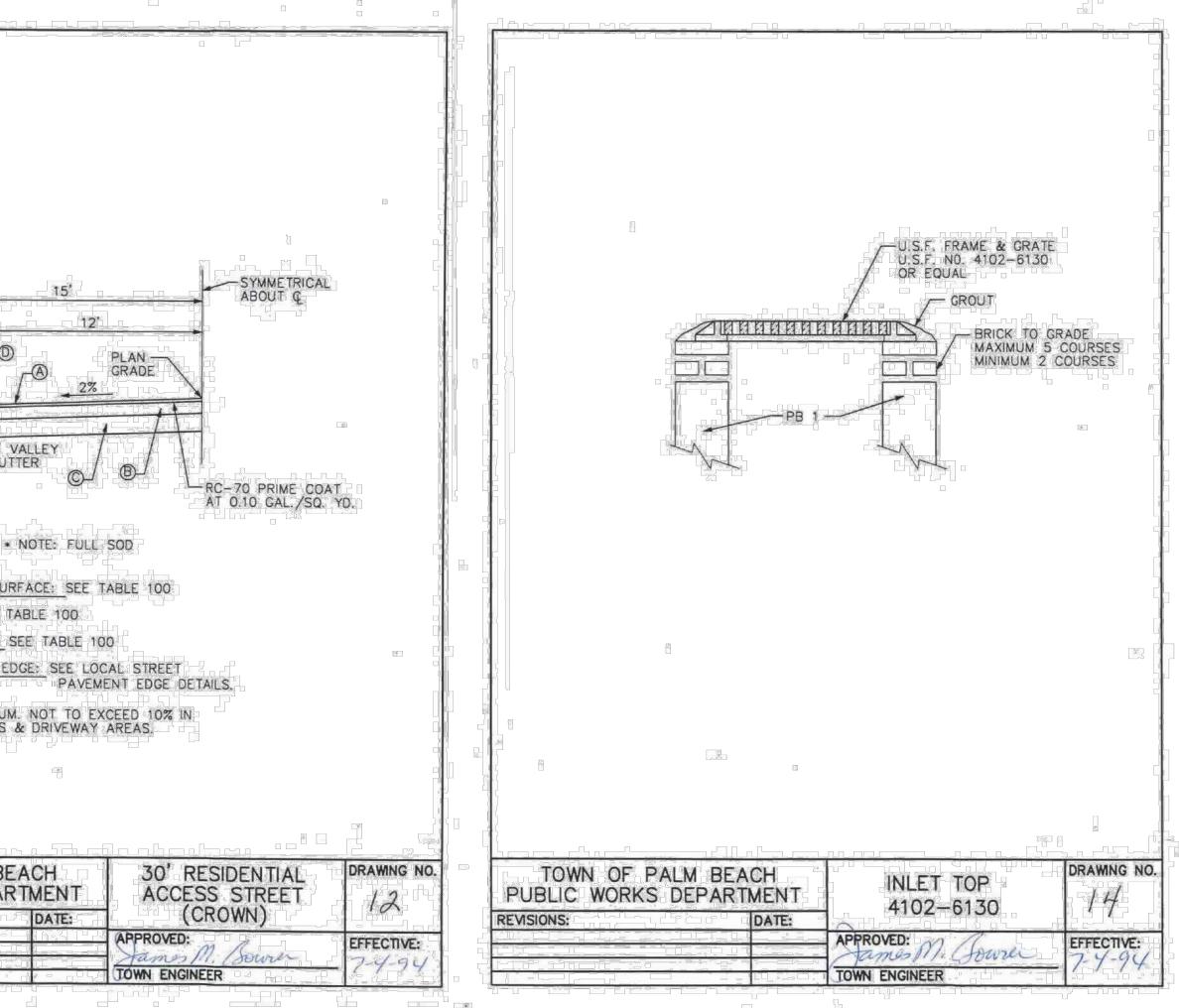
67505

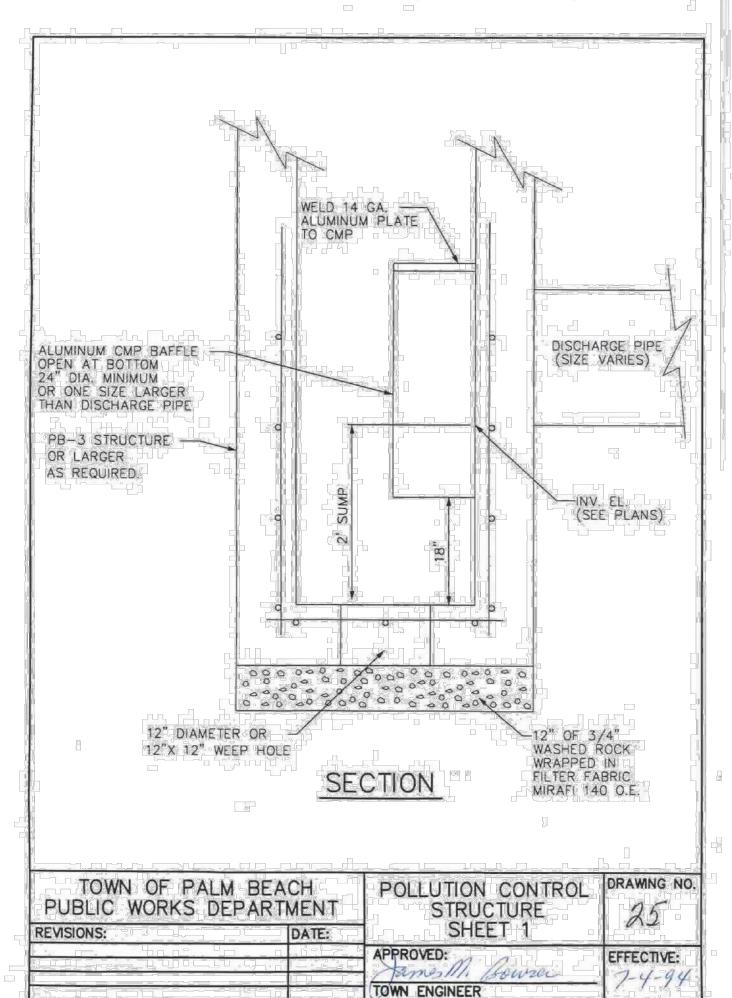
____ OCT. 7, 2024 245350000

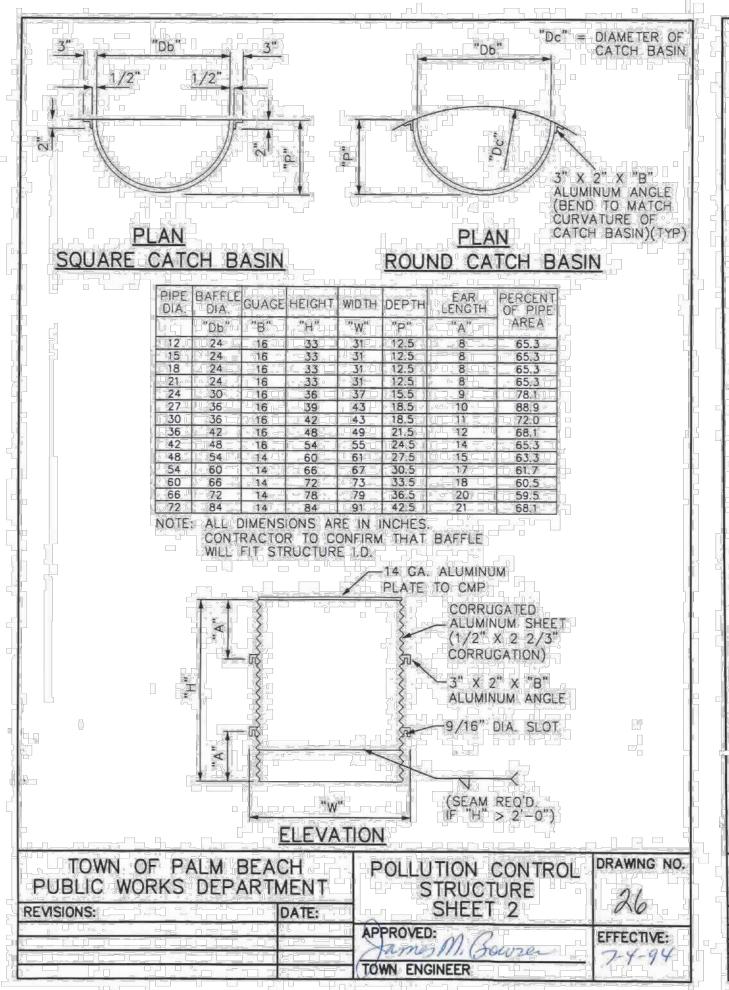


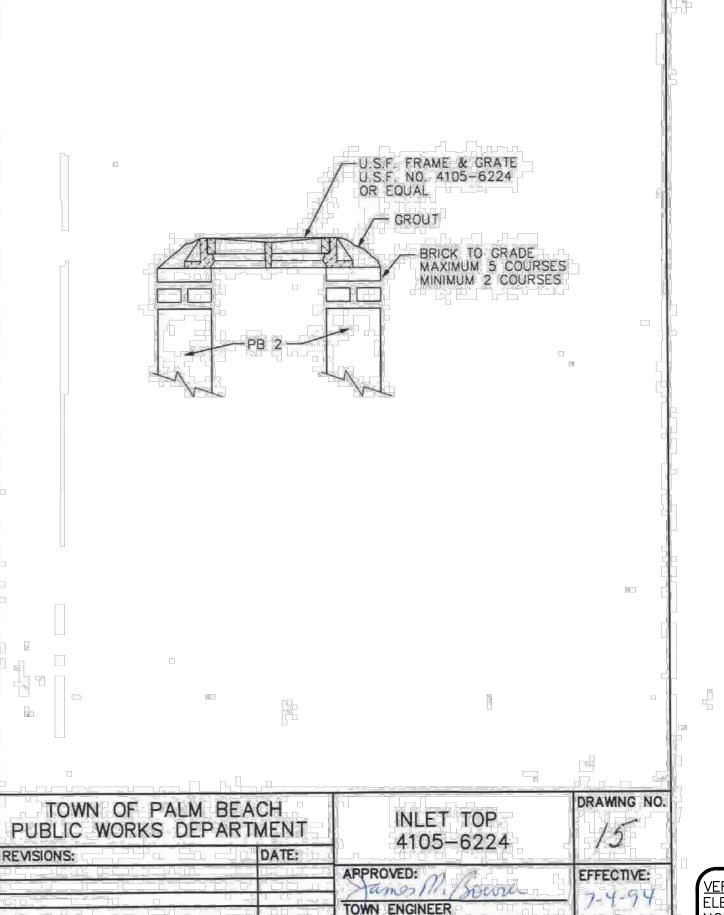


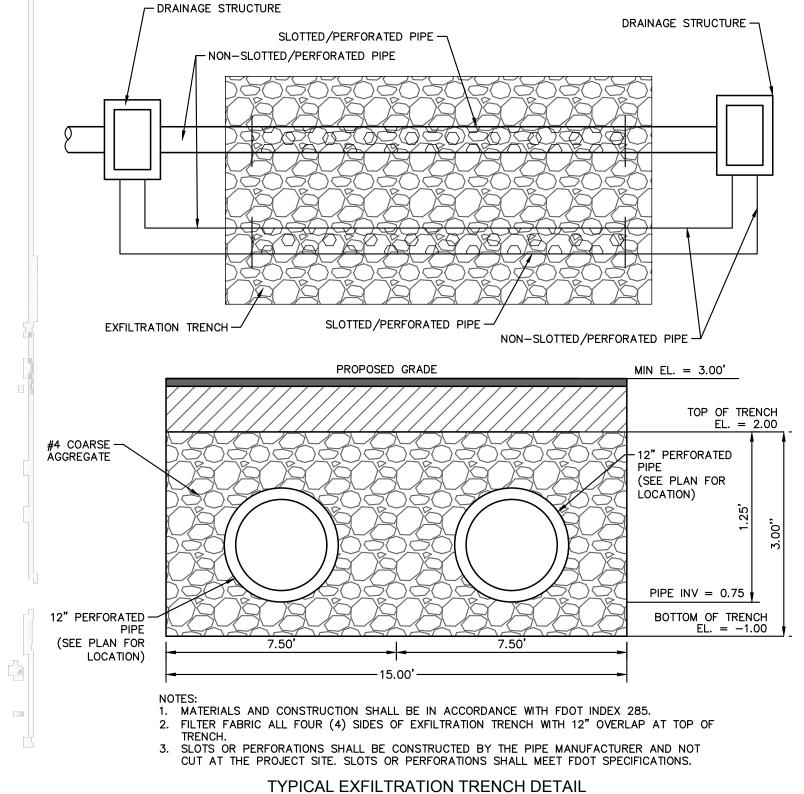




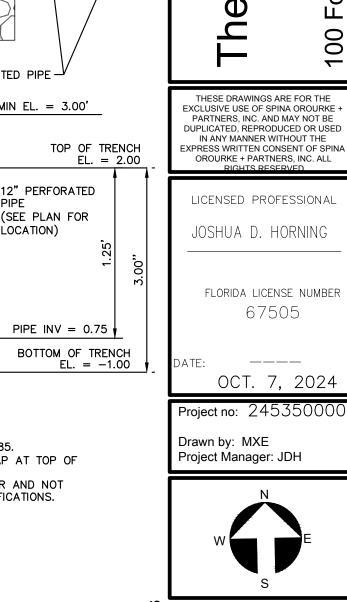








NOT TO SCALE



/≫Horn

Kimley

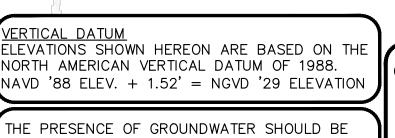
33480

100

0

S

BEYER BLINDER BELLE



ANTICIPATED. CONTRACTOR'S BID SHALL

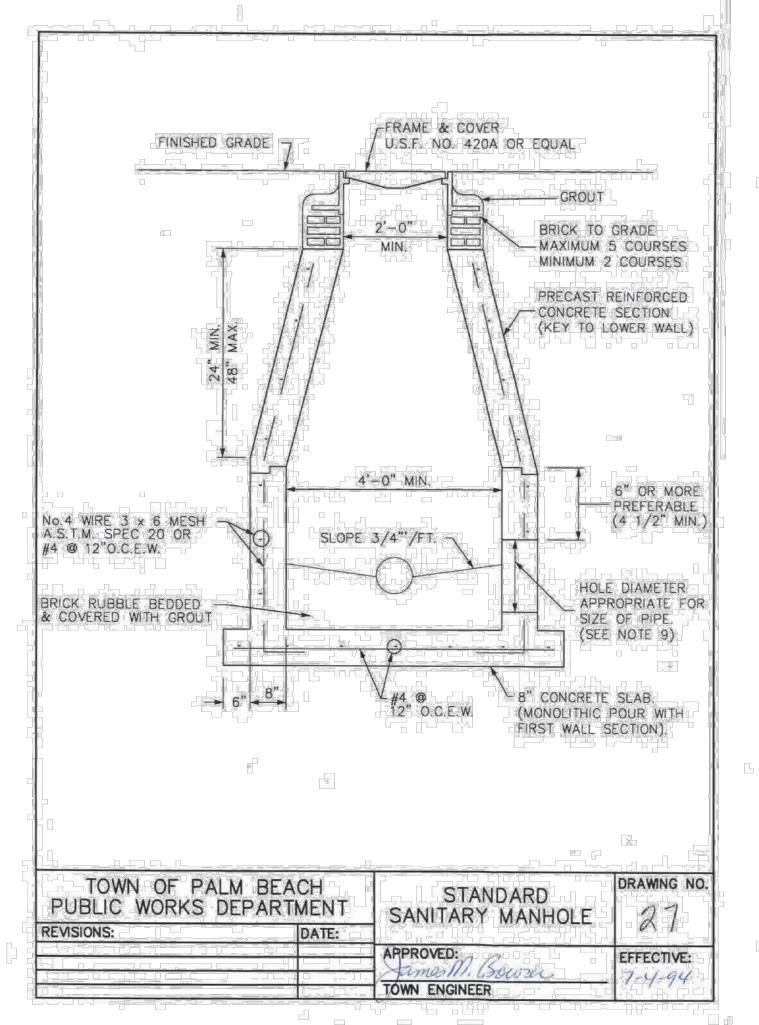
INCLUDE CONSIDERATION FOR ADDRESSING THIS

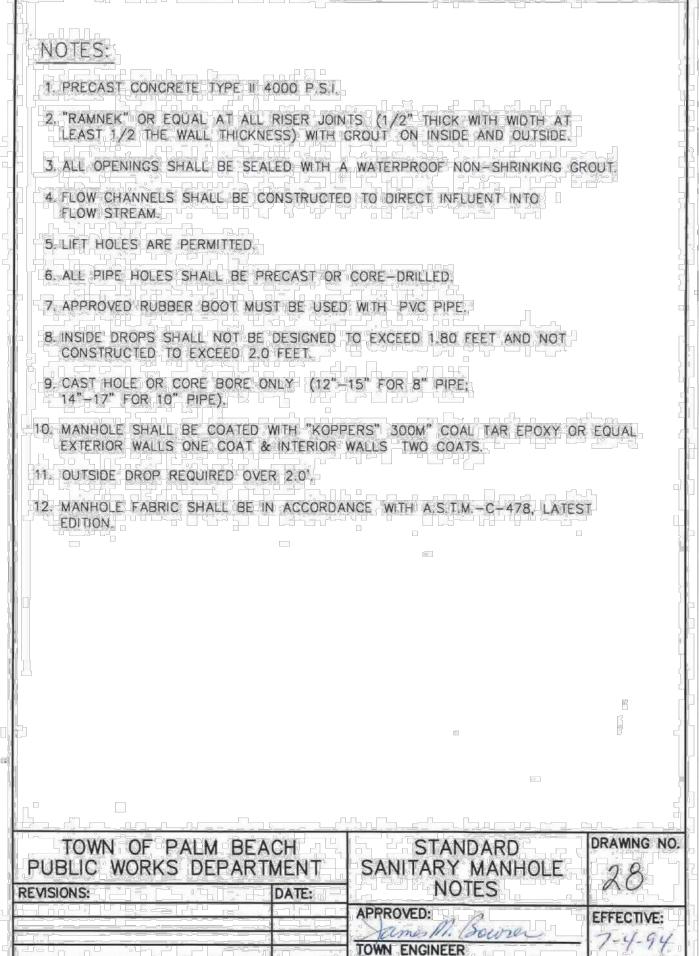
ISSUE AND OBTAINING ALL NECESSARY PERMITS

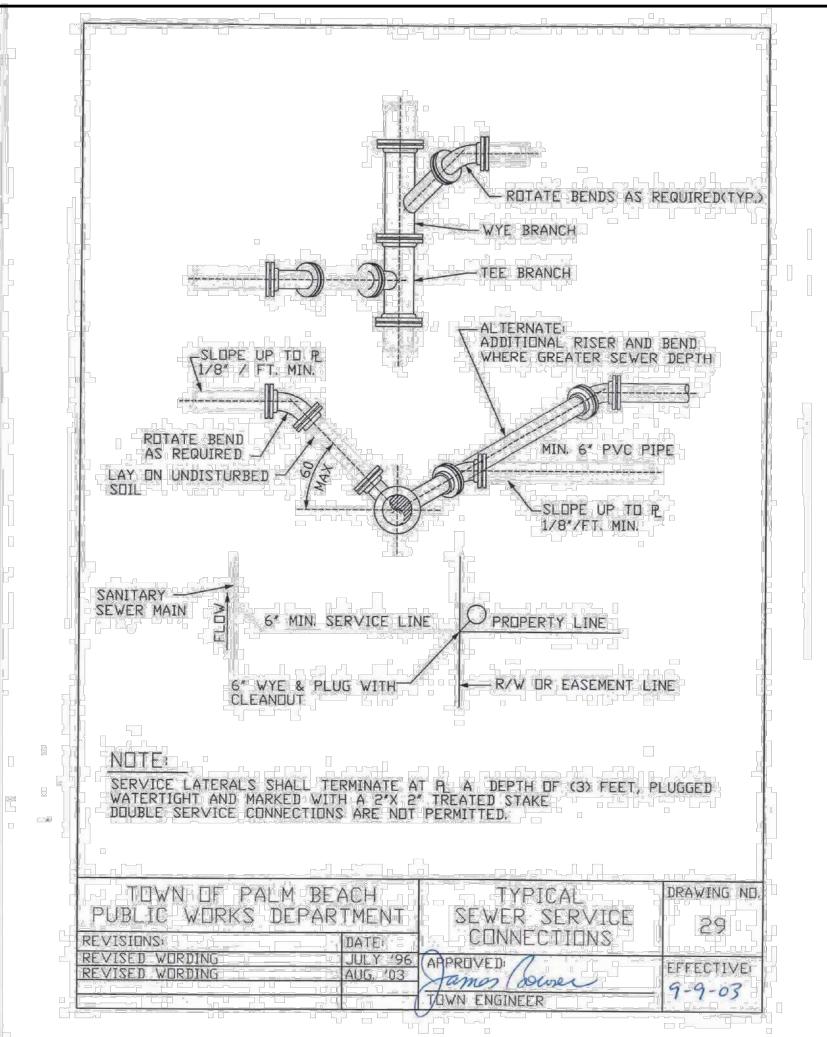
CALL 2 WORKING DAYS **BEFORE YOU DIG** IT'S THE LAW! Know what's **below. DIAL 811** Call before you dig SUNSHINE STATE ONE CALL OF FLORIDA, INC.

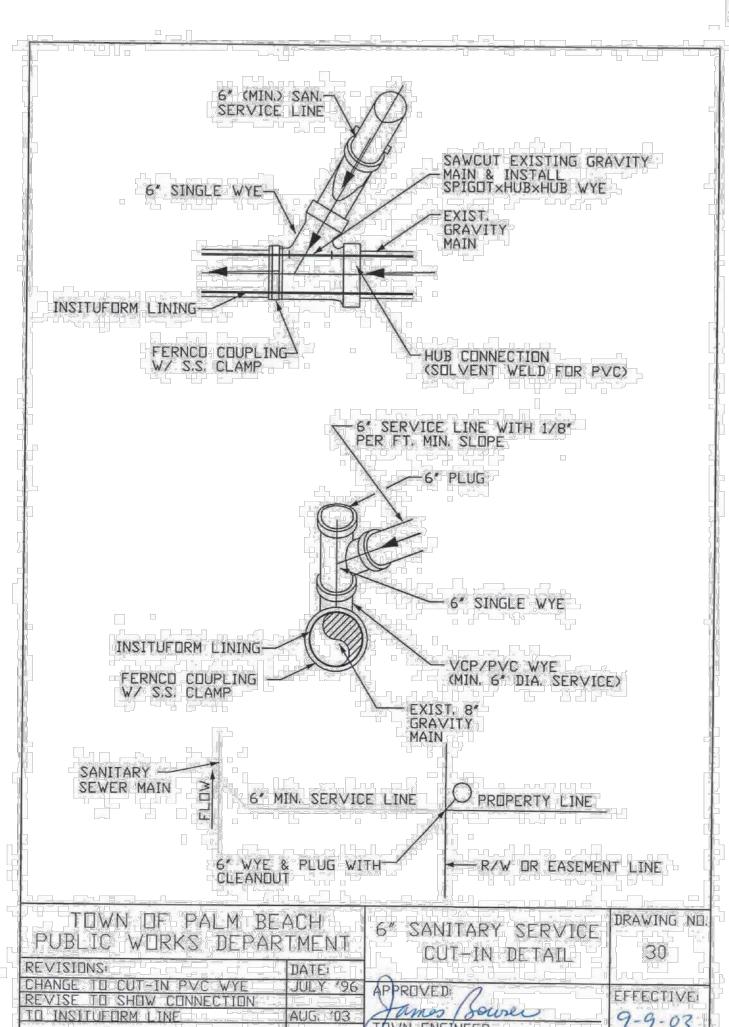
FINAL SUBMITTAL

EAST BLOCK

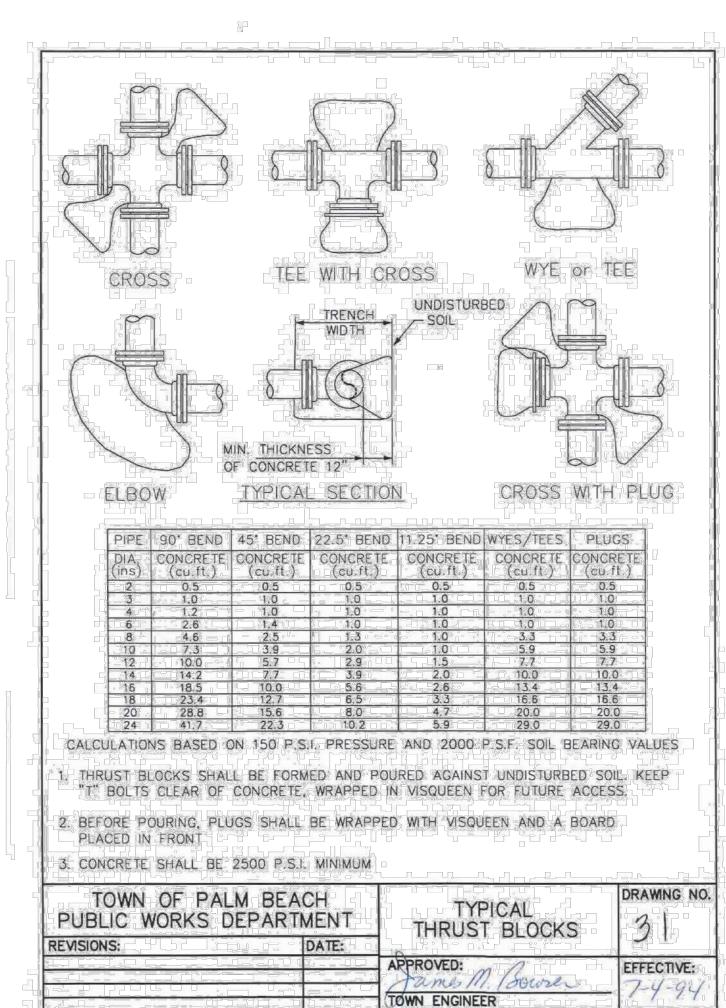


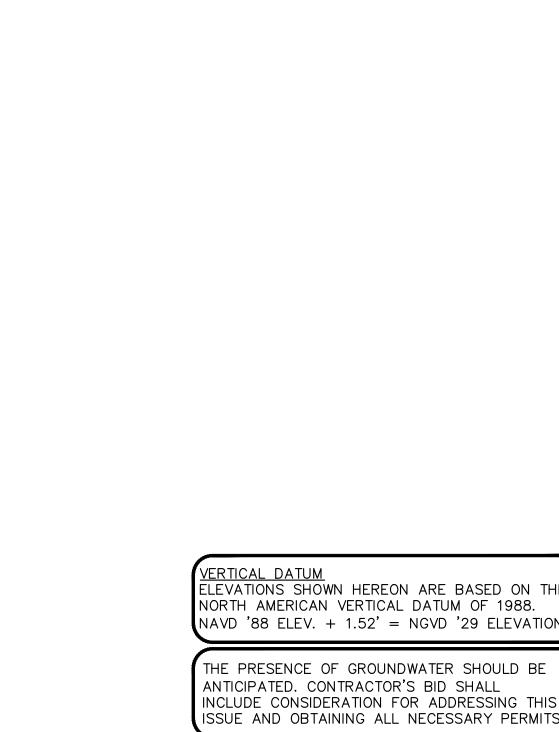




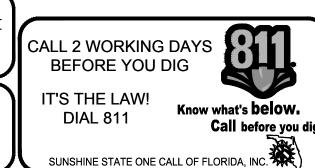


TOWN ENGINEER





ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. CALL 2 WORKING DAYS NAVD '88 ELEV. + 1.52' = NGVD '29 ELEVATION BEFORE YOU DIG IT'S THE LAW! THE PRESENCE OF GROUNDWATER SHOULD BE





Horn



33480

0

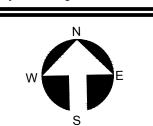
100 THESE DRAWINGS ARE FOR THE EXCLUSIVE USE OF SPINA OROURKE + PARTNERS, INC. AND MAY NOT BE DUPLICATED, REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SPINA OROURKE + PARTNERS, INC. ALL

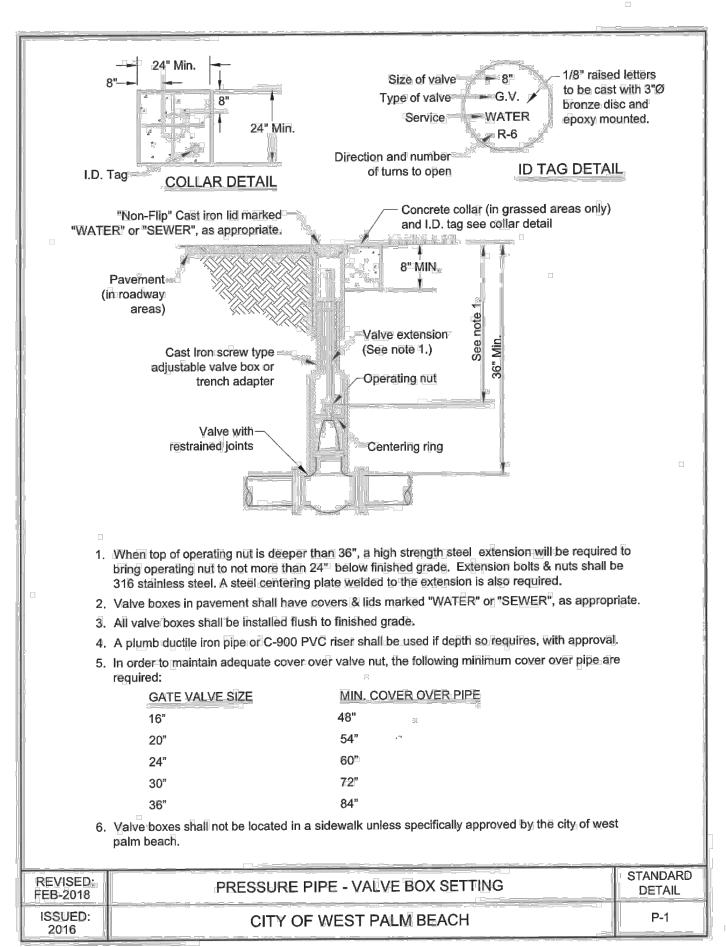
LICENSED PROFESSIONAL JOSHUA D. HORNING

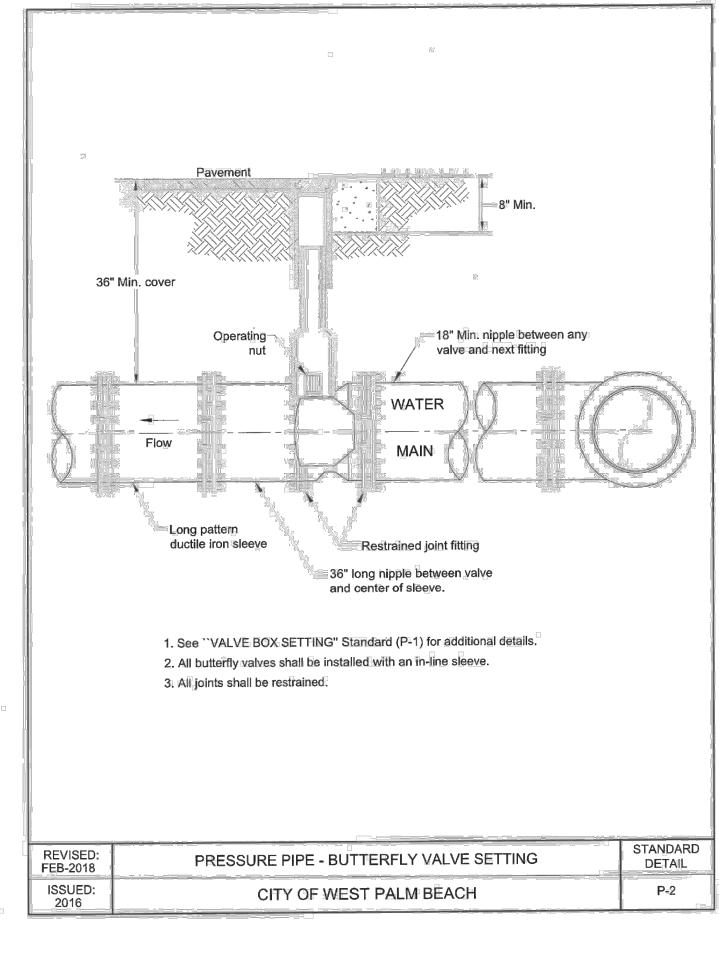
FLORIDA LICENSE NUMBER 67505

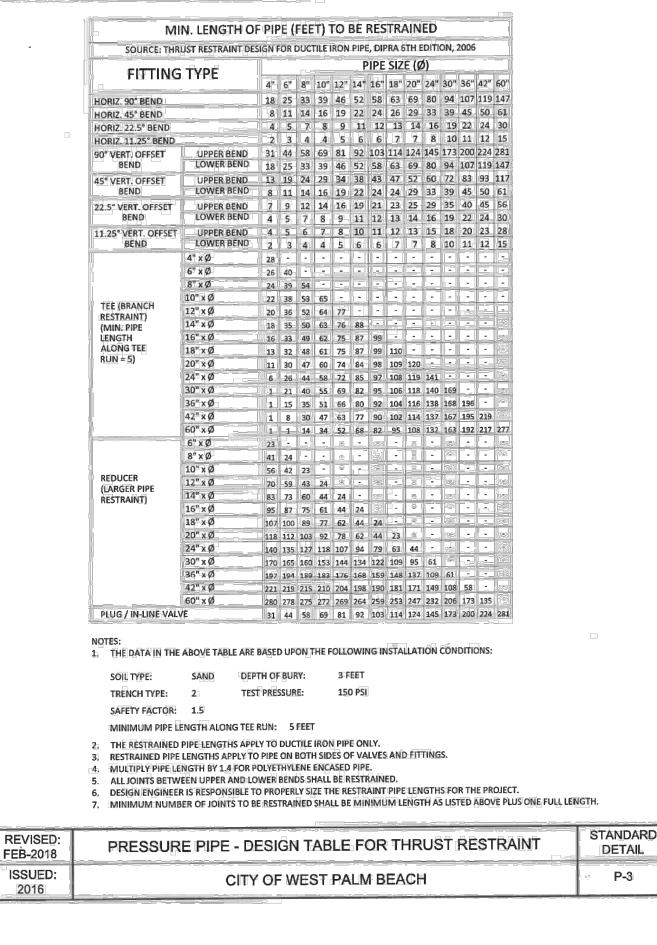
ATE: ----OCT. 7, 2024

Project no: 245350000 Drawn by: MXE Project Manager: JDH

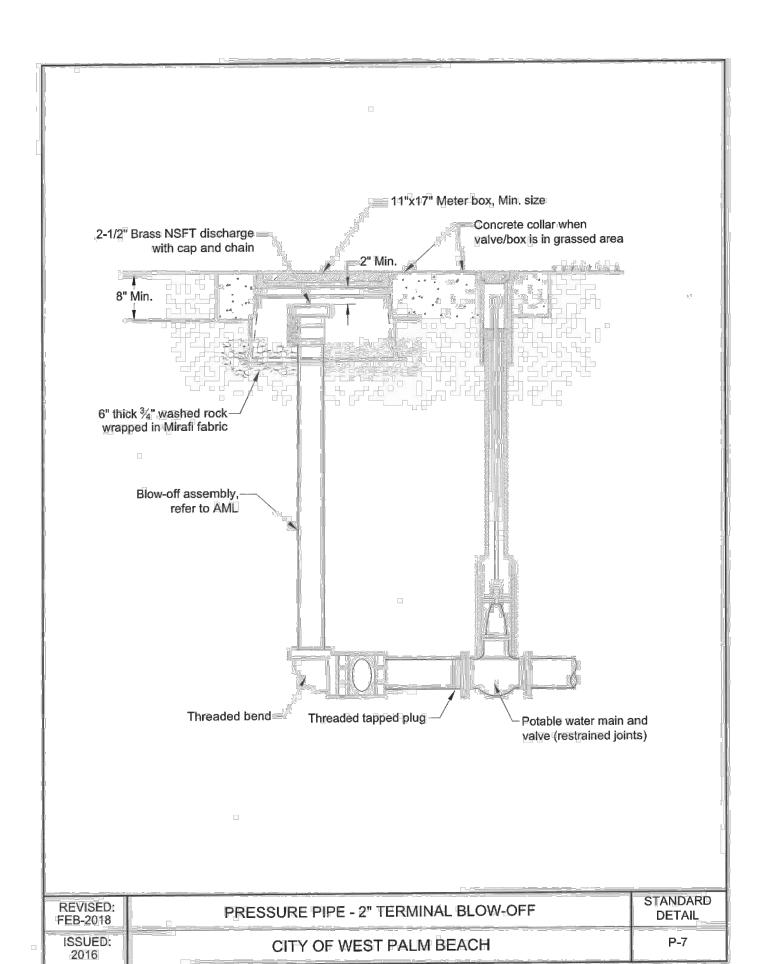


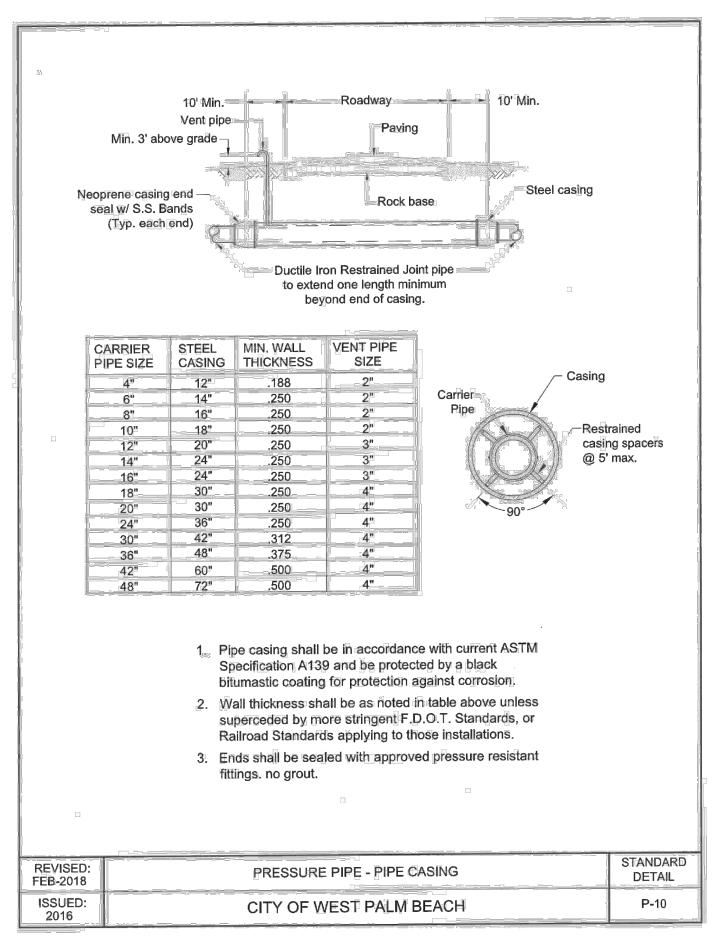


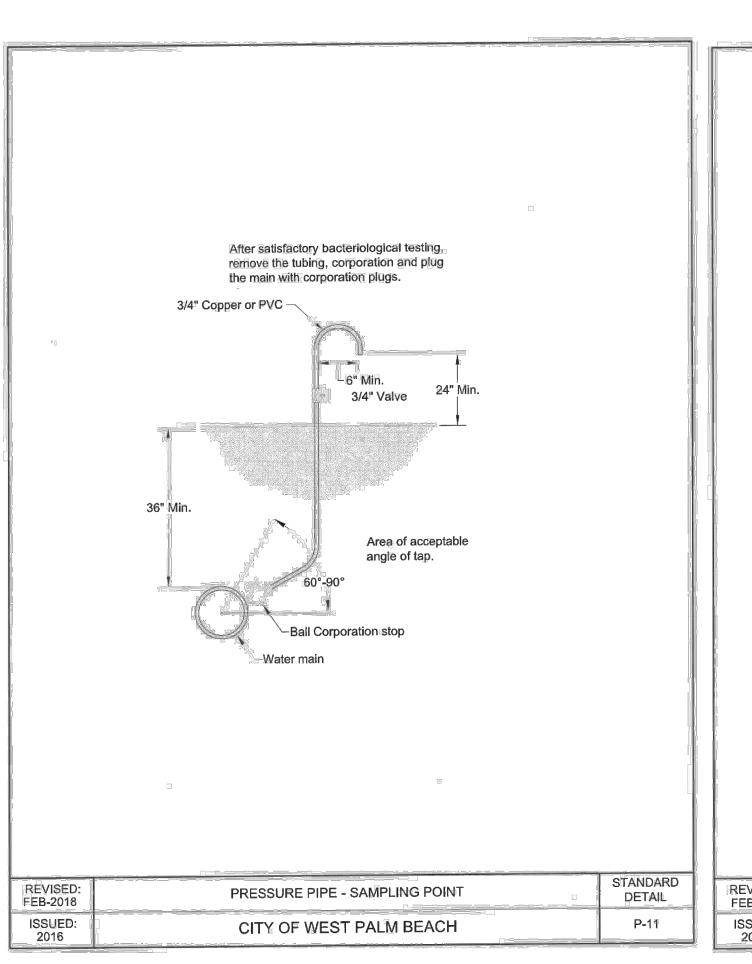


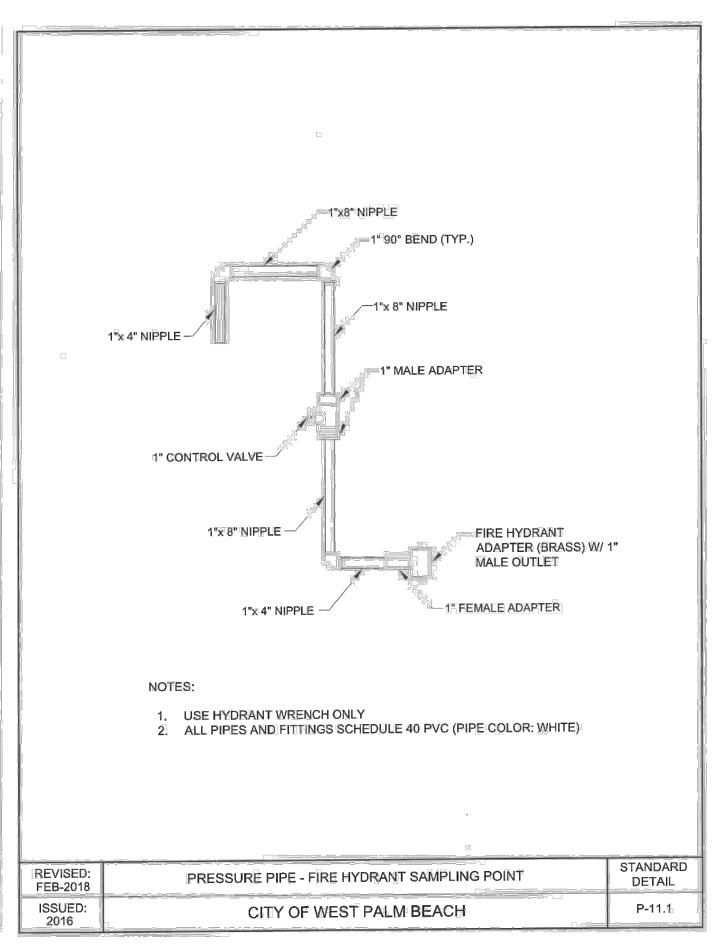


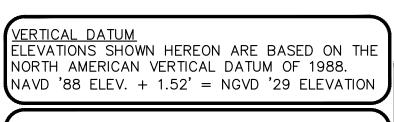
| INED TH EDITION, 2006 E (Ø) 20" 24" 30" 36" 42" 60" 69 80 94 107 119 147 | | | | | |
|--|--------------------|---|---------------------|--|--------------------|
| 29 33 39 45 50 61 14 16 19 22 24 30 7 8 10 11 12 15 124 145 173 200 224 281 69 80 94 107 119 147 52 60 72 83 93 117 | | | 1 | Concrete used for vaults, manholes, and risers shall have an ultimate comprestrength at 28 days of 4000 P.S.I. Cement shall be TYPE II Portland. | |
| 29 33 39 45 50 61 25 29 35 40 45 56 | | 7 | 2. | Vault shall be precast or poured in place concrete in accordance with ASTM | C478. |
| 14 16 19 22 24 30 13 15 18 20 23 28 | | | 3. | Air release valve shall be type and size appropriate for service intended. | |
| 7 8 10 11 12 15 | | | 4. | All openings shall be sealed with waterproof non-shrink mortar. | aith |
| | | | 5. | Coatings on interior & exterior of manholes and vaults shall be in accordance City of West Palm Beach approved materials list, and applied in two different colored coats. | e wun E |
| | | | 6. | Reinforced concrete collar required when manhole or vault is outside pavem | ent. |
| | | | 7. | No weep holes shall be allowed in yaults for force main & water main ARV'S | • |
| 120 | | | 8. | For vault to be constructed over existing pipe, see "DOG HOUSE MANHOLE Standards, DETAIL GS-7. | E " |
| 118 140 169 | | | 9. | ARV'S shall be installed at high point of water main/force main. Contractor sadjust location in field as required for installation to be at high point. | hall |
| 108 132 163 192 217 277 | | | 10 | ARV'S shall be installed with S.S.Saddle Assembly. Direct tap is not accepted a second | able. |
| FITTINGS. | | | | | |
| LENGTHS FOR THE PROJECT. NGTH AS LISTED ABOVE PLUS ONE FULL LEN | | | | | |
| IRUST RESTRAINT | STANDARD DETAIL | | REVISED: | PRESSURE PIPE - AIR RELEASE VALVE AND VAULT NOTES | STANDARD DETAIL |
| CH | P-3 | | FEB-2018 ISSUED: | CITY OF WEST PALM BEACH | P-5.1 |
| | | | 2016 | | |











IT'S THE LAW! THE PRESENCE OF GROUNDWATER SHOULD BE **DIAL 811** ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS





33480

THESE DRAWINGS ARE FOR THE PARTNERS, INC. AND MAY NOT BE DUPLICATED, REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SPINA OROURKE + PARTNERS, INC. ALL

LICENSED PROFESSIONAL JOSHUA D. HORNING

> FLORIDA LICENSE NUMBER 67505

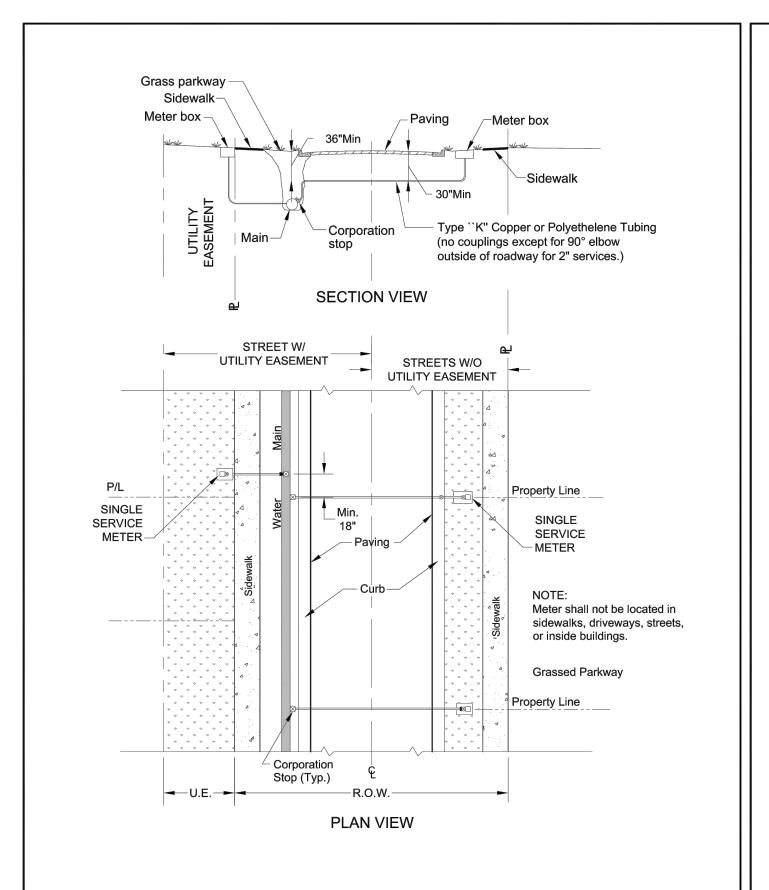
____ OCT. 7, 2024

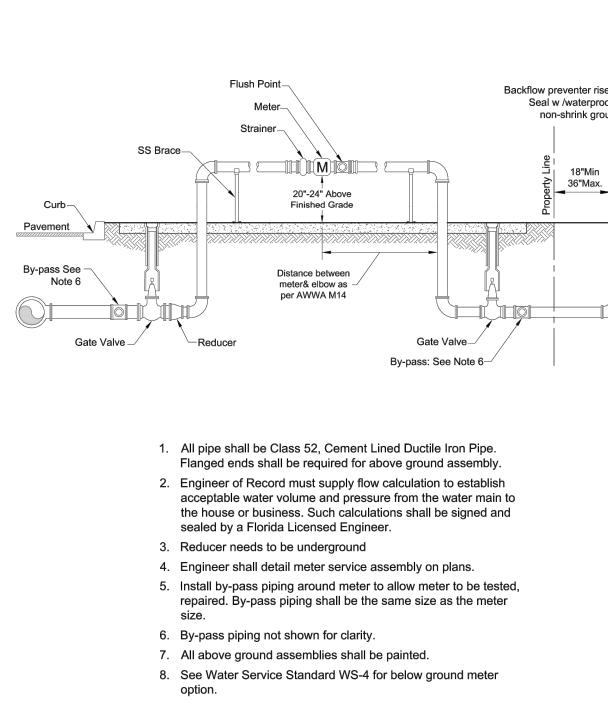
Project no: 245350000 Drawn by: MXE Project Manager: JDH



- 1. 1" service line for up to 1" meters.
- 2" service line for 2" meters.
- 2. Preferred location of meters to be set in grass parkway or at back of utility easements. See domestic service location Detail WS-5.
- 3. Traffic rated meter box and lid supplied and installed by contractor. Size to be compatible with service size (see City's AML).
- 4. Min. 12 inches separation along main between service taps or fittings.
- 5. All irrigation systems for non-residential applications shall install
- a City approved RPZ backflow preventor. Refer to Standard Detail WS-11.
- 6. Residential dual check valves are required as a minimum for all new residential potable water meters 1" and smaller.
- 7. All brass or copper in contact with potable water shall be "LEAD FREE".
- 8. 1" and 2" single water service shall not feed fire sprinklers.
- 9. Meter box should be located minimum 3 ft away from objects such as poles and trees.

| on this | REVISED: | WATER SERVICES - 1" & 2" SINGLE SERVICE INSTALLATION | STANDARD DETAIL |
|---------|-----------|--|--------------------|
| ance | SEPT-2019 | CITY OF WEST PALM BEACH | WS-1 |





| | Flush Point | | Backflow preventer riser Seal w /waterproof ——— non-shrink grout |
|--------------------------------|--------------------------|---|--|
| Curb—avement y-pass See Note 6 | 20° Fin | "-24" Above ished Grade ce between & elbow as WWA M14 | Bull 18"Min 36"Max. |
| Gate Valve | Reducer | Gate | Valve_ |
| | | By-pass: S | ee Note 6 |
| | | 52, Cement Lined Ductile required for above ground | |
| : | | ne and pressure from the Such calculations shall b | water main to |
| (| 3. Reducer needs to be u | nderground | |

| & 4" DOMESTIC ABOVE GROUND METER | STANDARD DETAIL |
|----------------------------------|--------------------|
| | |

LISTING OF COMPONENTS:

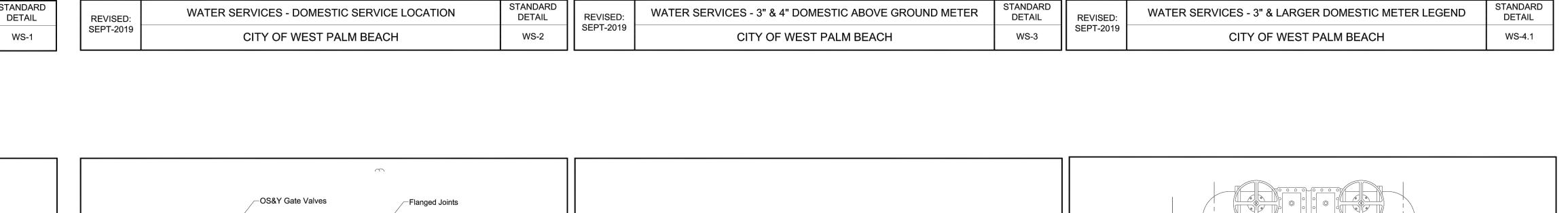
Palm Beach. Call for length of meter.

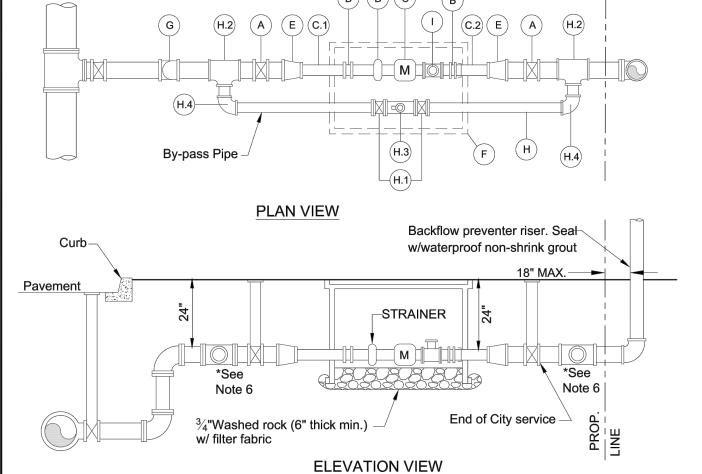
- A. Two 4" Resilient Wedge (RW) valves, with locking valve boxes & lids each side of the meter. Valves to be installed in line with or as close as possible to the meter.
- B. Two Series 2100 3" Megalug, locking style flange adapters, one on each side of the meter, strainer and test tee.
- C. One 3" flanged meter to be paid for by contractor and supplied by the City of West
 - C.1 A length of straight pipe equal to 5 times the diameter shall be installed
 - installed before the meter & after the strainer.

C.2 A length of straight pipe equal to 3 times the diameter shall be installed after the meter.

- D. One strainer, same size as meter, flanged, bronze case with strainer to be supplied by the contractor. Ccall for dimensions.
- E. 4" x 3" Mechanical Joint reducers before and after the meter. These may not be used in lieu of the straight pipe (see c.1 & c.2).
- F. 4' x 6' vault with a lock down heavy duty aluminum traffic lid with spring loaded hinges. Vault & lid are to be positioned so meter dial is centered under meter
- G. Service is to be offset to the proper height using one grouping of the following: G.1 - One 4" mechanical joint offset
 - G.2 -Two 4" mechanical joint 90° bends w/ straight pipe as required.
- G.3 -Two 4" mechanical joint 45° bends w/ straight pipe as required.
- H. Install bypass piping around meter to allow meter to be tested, repaired or replaced. Bypass piping shall be the same size as the meter size.
- H.1- Two F.J. Resilient Wedge valves w/ wheel handles & megalug flange
- adapters series 2100.
- H.2 Two Mechanical Joint tees
- H.3 One flanged tee, one flange plate tapped for 2" N.P.T., one
- 2" brass nipple, one locking style 2" curb stop w/ 2" brass plug
- H.4 Two Mechanical Joint 90° elbows.
- I. Flush point to test meters and to flush system.
 - I.1- 3" flanged tee tapped for 2", attached to meter.
 - I.2 2"x 3" brass nipple
 - I.3 2" locking style curb stop
 - I.4 2" brass plug

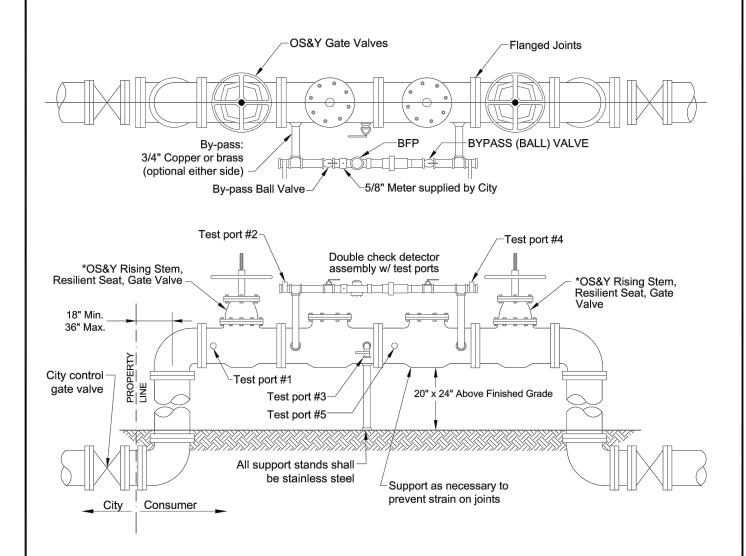
| VISED: | WATER SERVICES - 3" & LARGER DOMESTIC METER LEGEND |
|---------|--|
| PT-2019 | CITY OF WEST DAI M REACH |





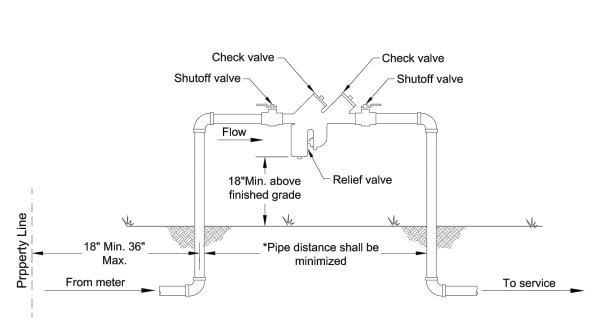
- 1. For letter denotations, see Water Service Standard WS-4.1, 3" and larger domestic meter
- 2. The following is an itemization of materials specifically detailed for a 3" meter. For a 4" or 6" meter, eliminate item "E" and change the remaining items to correspond with the meter size.
- 3. All mechanical joint fittings to use Megalug Series 1100 Restrained Joint adapters. 4. Location of meter may be rotated to fit available parkway/easement width.
- 5. All pipe shall be Class 52, Cement ILned Ductile Iron Pipe.
- 6. Bypass piping not shown for clarity.
- 7. Engineer of Record must supply flow calculation to establish acceptable water volume and pressure from the water main to the house or business. Such calculations shall be signed and sealed by a Florida Licensed Engineer.
- 8. Below ground 3" and larger domestic meter is for project specific, if required, only with City of West Palm Beach Public Utilities Department approval.
- 9. 3" water service shall not feed fire sprinklers or hydrants.

| | REVISED: | WATER SERVICES - 3" & LARGER DOMESTIC METER | STANDARD DETAIL | |
|---|-----------|---|--------------------|--|
| 5 | SEPT-2019 | CITY OF WEST PALM BEACH | WS-4 | |



- Installation of 3/4" to 2" assemblies require ball valves with test ports. 3" and larger require Resilient Wedge (RW) valves. 2. All piping prior to & after backflow prevention assemblies shall be either Cement Lined Ductile Iron Pipe, Copper or Brass for the smaller assemblies. this includes all assemblies.
- 3. All piping after the assembly shall meet the latest edition of plumbing, fire line & mechanical codes of the municipality.
- 4. Electronic switches may be required on the O.S.&Y. valves. Check with local fire marshal and/or municipal building 5. All back flow prevention devices must be approved by the Foundation for Cross-Connection Control and Hydraulic Research,
- University of Southern California. 6. Device shall be installed directly after the property line outside of utility easements. Installation must be pre-approved by Public Utilities Customer Service Representative
- 7. Refer to City of West Palm Beach Cross Connection Ordinance for further information.
- 9. Engineer of Record must supply flow calculation to establish acceptable water volume and pressure from the water main to the house or business. Such calculations shall be signed and sealed by a Florida Licensed Engineer.
- 10. All brass or copper in contact with potable water shall be "LEAD FREE".

| REVISED: SEPT-2019 | FIRE LINE - DOUBLE DETECTOR ASSEMBLY and METER INSTALLATION | STANDARD DETAIL |
|-----------------------|---|--------------------|
| <u> </u> | CITY OF WEST PALM BEACH | WS-5 |



- 1. All backflow prevention assemblies and orientation must be approved by the Foundation for Cross Connection Control and Hydraulic Research, University of California.
- 2. Assemblies shall have test cocks and have enough clearance for test
- 3. Piping from meter to backflow assembly shall be type "K" or "L" copper, brass or stainless steel.
- 4. Assemblies are to be installed directly after the meter on private property, outside of utility easement and Right of Way. 5. Refer to City of West Palm Beach Backflow Cross Connection Control
- Ordinances for further information. 6. Installation of 3/4" to 2" assemblies require ball valves with test ports.
- 7. All brass or copper in contact with potable water shall be "LEAD FREE".
- 8. Backflow assembly shall not be located on sidewalks, roads, or inside buildings and shall not be installed below ground, in vault or in boxes.

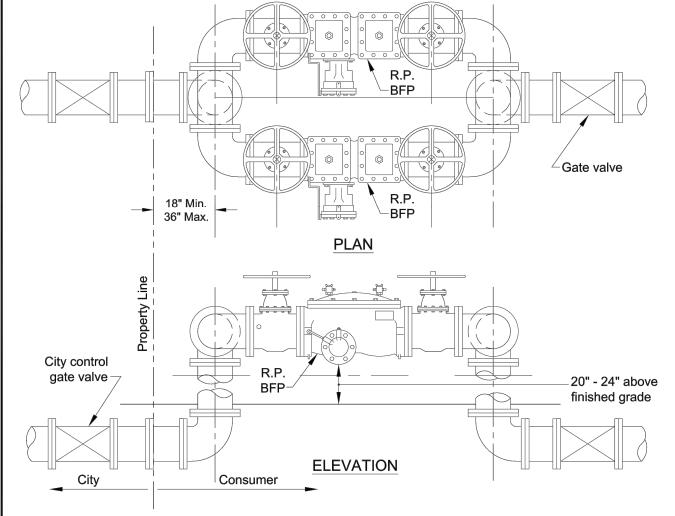
WATER SERVICES - SMALL REDUCED PRESSURE

BACKFLOW PREVENTER ASSEMBLY (3/4" THROUGH 2")

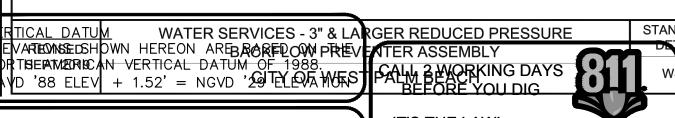
CITY OF WEST PALM BEACH

REVISED:

SEPT-2019



- 1. Installation of 3/4" to 2" assemblies require ball valves with test ports. 3" and larger require Resilient Wedge (RW) valves.
- 2. All piping before & after backflow prevention assemblies shall be either cement lined ductile iron pipe, copper or brass for the smaller assemblies. This includes all assemblies, irrigation & fire line devices. All piping after the assembly shall meet the local Plumbing/Mechanical Codes (latest edition) of the municipality.
- 3. All backflow prevention devices must be approved by the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California.
- 4. Refer to City of West Palm Beach Cross Connection Ordinance for further information.
- 5. Assembly shall be installed directly after the meter on private property outside of utility easements.
- 6. Installation must be pre-approved by City of West Palm Beach customer service representative. 7. Engineer of Record must supply flow calculation to establish acceptable water volume and pressure from the
- water main to the house or business. Such calculations shall be signed and sealed by a Florida Licensed
- 8. Only one RP backflow preventor required, second backflow preventor shown for redundancy.
- 9. All brass or copper in contact with potable water shall be "LEAD FREE".



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS IT'S THE LAW! Know what's **below. DIAL 811** Call before you di SUNSHINE STATE ONE CALL OF FLORIDA, INC.

FINAL SUBMITTAL **EAST BLOCK**

Horn

Kimley

80

3

100

THESE DRAWINGS ARE FOR THE

EXCLUSIVE USE OF SPINA OROURKE PARTNERS, INC. AND MAY NOT BE DUPLICATED, REPRODUCED OR USED IN ANY MANNER WITHOUT THE

XPRESS WRITTEN CONSENT OF SPINA

OROURKE + PARTNERS, INC. ALL

LICENSED PROFESSIONAL

JOSHUA D. HORNING

FLORIDA LICENSE NUMBER

67505

OCT. 7, 2024

Project no: 245350000

Drawn by: MXE

Project Manager: JDH