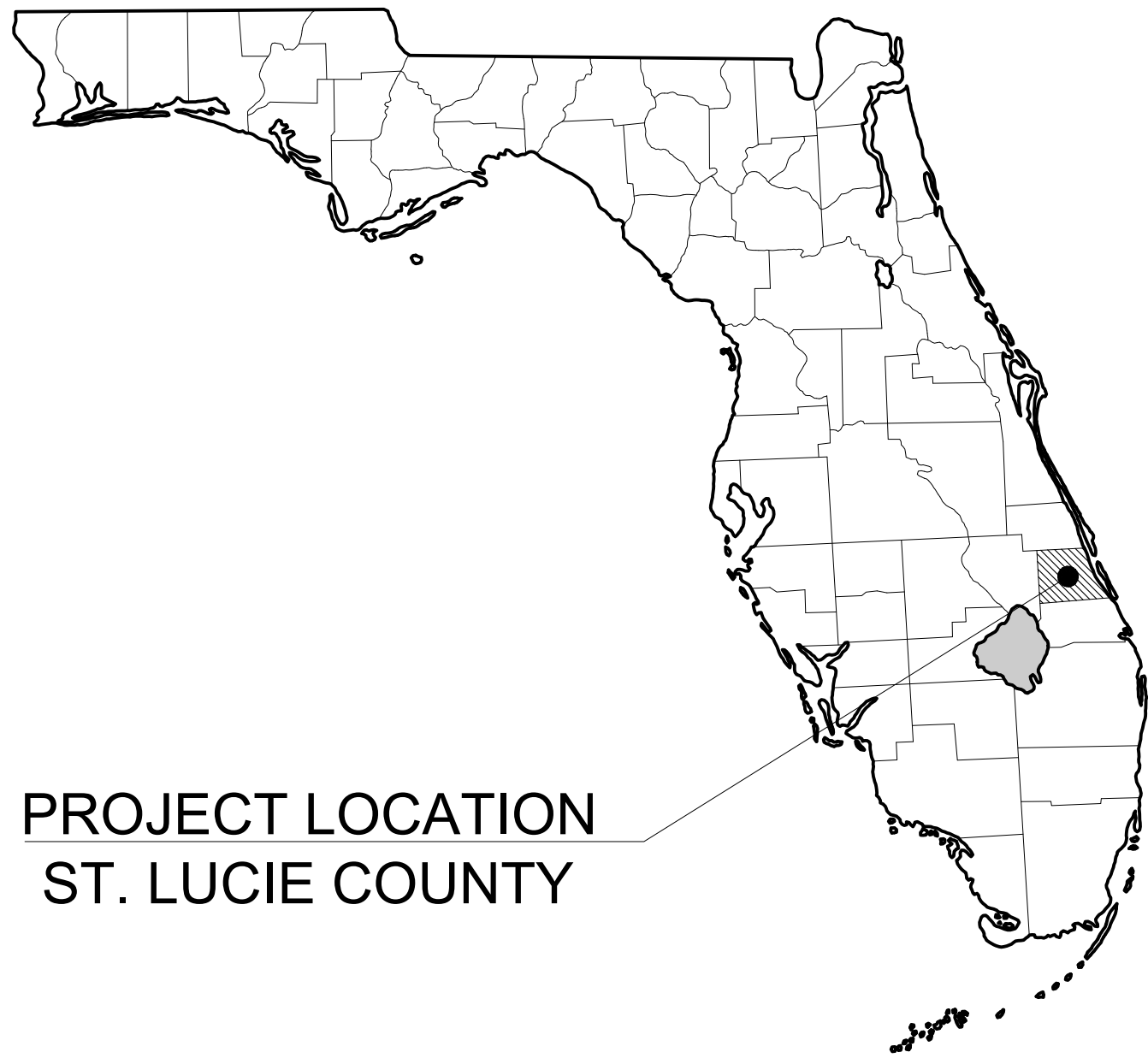


Plotted By: Harris, Jonny Sheet Set: LTC RANCH - Pod 9 LAYOUT: C-000 COVER SHEET March 04, 2024 02:28:10pm K:\VRB\LDEV\LTC RANCH - Pod 9\CAD\PlanSheets\C-000 COVER SHEET.dwg
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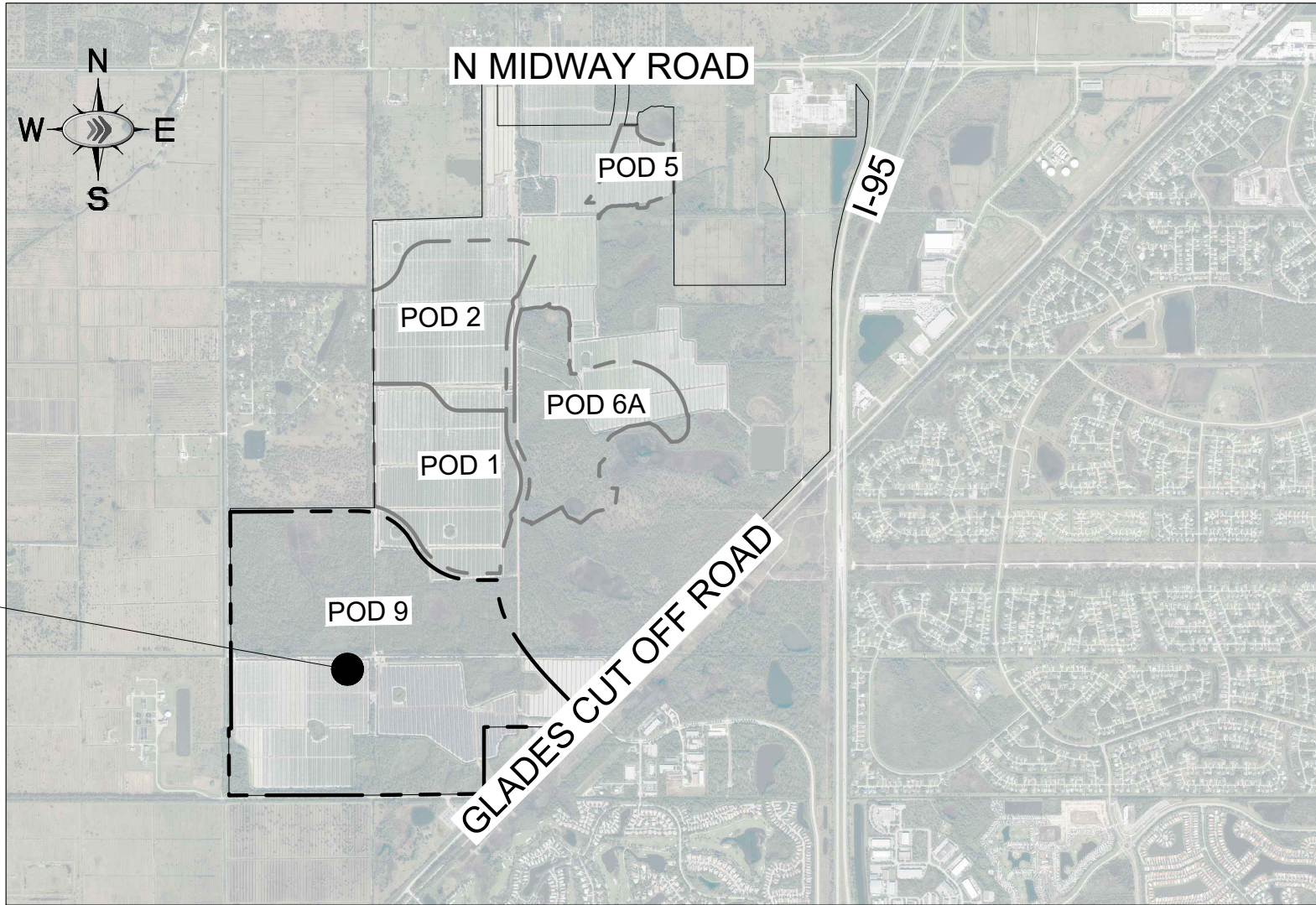


PROJECT LOCATION
ST. LUCIE COUNTY

LEGAL DESCRIPTION

KNOW ALL MEN BY THESE PRESENTS THAT MIDWAY GLADES DEVELOPERS, LLC, A DELAWARE LIMITED LIABILITY COMPANY, OWNER OF THE LAND SHOWN HEREON AS "LTC RANCH WEST POD 9", BEING A REPLAT OF TRACT B OF THE PLAT OF LTC RANCH WEST PHASE 1, AS IN PLAT BOOK 111, PAGE 1, PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.
TRACT B OF THE PLAT OF LTC RANCH WEST PHASE 1, AS IN PLAT BOOK 111, PAGE 1, PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA, CONTAINING 570.556 ACRES, MORE OR LESS.
SAID LANDS SITUATE IN THE CITY OF PORT ST. LUCIE, ST. LUCIE COUNTY, FLORIDA.

PROJECT LOCATION



VICINITY MAP
N.T.S.

PROJECT TEAM

OWNER/DEVELOPER

AUSTIN BURR
MIDWAY GLADES DEVELOPERS, LLC
7807 BAYMEADOWS ROAD E, SUITE 205
JACKSONVILLE, FL 32256
(904) 996-2485

PLANNER/L.A.

STEVE GARRETT, R.L.A.
LUCIDO AND ASSOCIATES, INC.
701 SE OCEAN BLVD.
STUART, FL 34994
(772) 220-2100

CIVIL ENGINEER

KINAN HUSAINY, P.E.
KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200
VERO BEACH, FLORIDA 32960
(772) 794-4100
FAX (772) 794-4130

SURVEYOR

DAVID P. LINDLEY R.L.S.
CAUFIELD & WHEELER
7900 GLADES ROAD
SUITE 100
BOCA RATON, FL. 33434
(561) 392-1991

ENVIRONMENTAL

EW CONSULTANTS
601 HERITAGE DRIVE
SUITE 108
JUPITER, FL. 33458

GOVERNING DESIGN STANDARDS:

FLORIDA DEPARTMENT OF TRANSPORTATION, FY2023-2024 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS (IRS). STANDARD PLANS FOR ROAD CONSTRUCTION AND ASSOCIATED IRS ARE AVAILABLE AT THE FOLLOWING WEBSITE
HTTP://WWW.FDOT.GOV/DESIGN/STANDARDPLANS

GOVERNING SPECIFICATIONS:

CITY OF PORT ST. LUCIE PUBLIC WORKS DEPARTMENT ENGINEERING STANDARDS FOR LAND DEVELOPMENT (MOST CURRENT EDITION). AS AMENDED BY CONTRACT DOCUMENTS.

ADDITIONAL GOVERNING AGENCIES CONTACTS:

PLANNING/ZONING

CITY OF PORT ST. LUCIE
121 S.W. PORT ST. LUCIE BLVD
PORT ST. LUCIE, FL 34984
(772) 871-5212

FIRE CHIEF

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

STORMWATER

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

ENGINEERING

CITY OF PORT ST. LUCIE
121 S.W. PORT ST. LUCIE BLVD
PORT ST. LUCIE, FL 34984
(772) 871-5100

PREPARED BY:

Kimley»Horn

THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

THIS PROJECT UTILIZES THE PSLUSD 2019 STANDARDS AND SPECIFICATIONS, EFFECTIVE DATE OF 01/01/2019.

PSLUSD PROJECT #
11-642-06

CALL 48 HOURS
BEFORE YOU DIG
IT'S THE LAW!
DIAL 811



SUNSHINE STATE ONE CALL OF FLORIDA, INC.
VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO GET THE NAVD '88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
FLORIDA

SHEET NUMBER
C-000

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Number

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Kimley»Horn

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 696

LICENSED PROFESSIONAL

KINAN F. HUSAINY, P.E.

FLORIDA LICENSE NUMBER
75481

DATE: ---

KHA PROJECT
147796002

DATE
09/21/2022

SCALE AS SHOWN

DESIGNED BY JWK

DRAWN BY JWK

CHECKED BY KFH

DATE: ---

COVER SHEET

Plotted By: Harris, Jonny Sheet Set: LUC RANCH - Pod 9 LAYOUT C-001 GENERAL NOTES March 04, 2024 02:47:40pm K:\VRR-LOEVALTC RANCH - Pod 9\CAD\PlanSheets\C-001 GENERAL NOTES.dwg

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GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL RELATIVE CITY OF PORT ST. LUCIE ENGINEERING STANDARDS FOR LAND DEVELOPMENT AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), AND FDEP REGULATIONS, EXCEPT AS MODIFIED HEREIN.
- 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 DECEMBER 2, 2020. 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 ERCTED BEFORE CONSTRUCTION COMMENCE. THESE, AND ALL TRAFFIC CONTROL DEVICES, SHALL FOLLOW THE STANDARDS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC DEVICES (MUTOD) 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 CONTROL S 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 MANUFACTURER'S 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.

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, EXCEPT AS MODIFIED HEREIN.
- 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.
- UNSUITABLE MATERIALS UNDER PROPOSED PIPING SHALL BE REMOVED AND REPLACED WITH SELECT BACKFILL, PROPERLY COMPACTED TO 95% 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.

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 INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER 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, FORCEMAINS, 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.
- 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 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 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 MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.
- IF THERE IS CONFLICT BETWEEN THESE STANDARDS AND THE PSLUSD UTILITY STANDARDS MANUAL, THE MORE STRINGENT SHALL APPLY.

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" (LATEST EDITION) 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 CITY OF PORT ST. LUCIE ENGINEERING STANDARDS FOR LAND DEVELOPMENT 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/THA) 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 SEEDD 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 SEEDD 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.

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PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 696

LICENSED PROFESSIONAL

KIMAN F. HUSAINY, P.E.
FLORIDA LICENSE NUMBER
75481

KHA PROJECT
147796002

DATE
09/21/2022

SCALE AS SHOWN

DESIGNED BY

DRAWN BY

CHECKED BY

GENERAL NOTES

WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC

FLORIDA
PORT ST. LUCIE

SHEET NUMBER
C-001

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VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION.

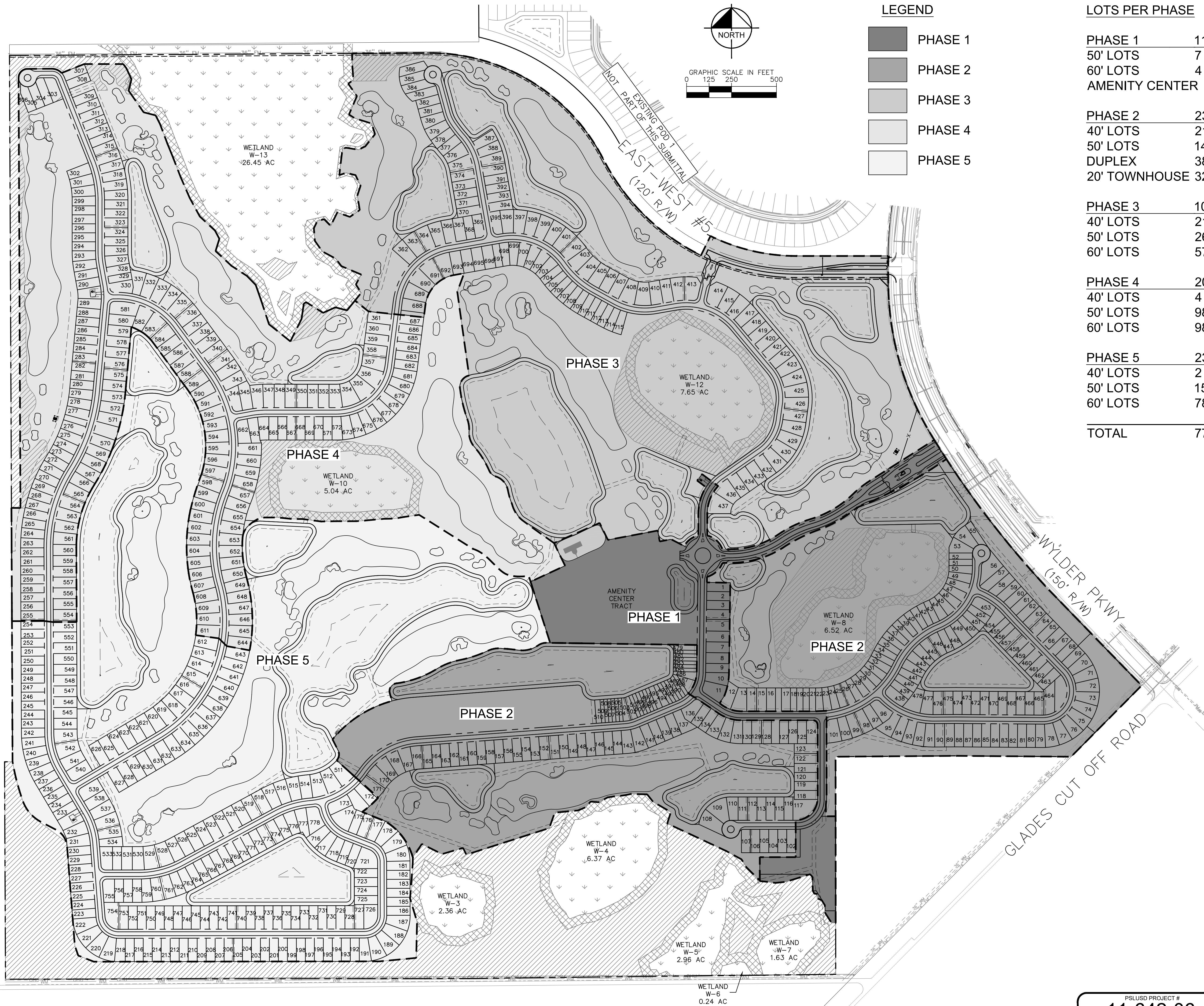
PSLUSD PROJECT #
11-642-06

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

REVISIONS

NO.

DATE



<u>LOTS PER PHASE</u>		
PHASE 1	11 LOTS	22.54 AC
50' LOTS	7 LOTS	
60' LOTS	4 LOTS	
AMENITY CENTER		
PHASE 2	233 LOTS	108.89 AC
40' LOTS	21 LOTS	
50' LOTS	142 LOTS	
DUPLEX	38 LOTS	
20' TOWNHOUSE	32 UNITS	
PHASE 3	104 LOTS	119.67 AC
40' LOTS	21 LOTS	
50' LOTS	26 LOTS	
60' LOTS	57 LOTS	
PHASE 4	200 LOTS	101.91 AC
40' LOTS	4 LOTS	
50' LOTS	98 LOTS	
60' LOTS	98 LOTS	
PHASE 5	230 LOTS	124.43 AC
40' LOTS	2 LOTS	
50' LOTS	150 LOTS	
60' LOTS	78 LOTS	
TOTAL	778 LOTS	477.44 AC

[illegible]

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KHA PROJECT 147796002	LICENSED PROFESSIONAL
DATE 09/21/2022	KINAN F. HUSAINY, P.E.
SCALE AS SHOWN	FLORIDA LICENSE NUMBER 73481
DESIGNED BY	
DRAWN BY	
CHECKED BY KTH	DATE:

PHASING PLAN

WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
FLORIDA

SHEET NUMBER
C-010

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PSLUSD PROJECT # 11-642-06	CITY OF PORT ST. LUCIE PROJECT # P22-301 / P23-153
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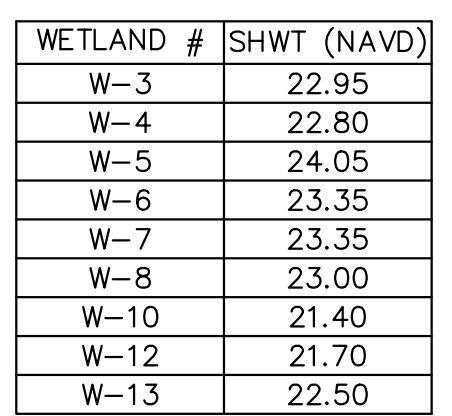
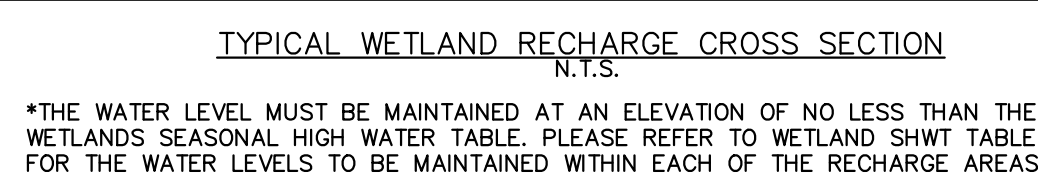
*10 HOURS OF PUMPING PER DAY

*10 HOURS OF PUMPING PER DAY

TOTAL PUMPAGE = 126,985,000 GALLONS

WATER QUALITY MONITORING NOTES:

- MONITORING REPORTS SHALL BE SUBMITTED TO THE DISTRICT ENVIRONMENTAL RESOURCE COMPLIANCE STAFF. FAILURE TO SUBMIT REPORTS IN A TIMELY MANNER (AS INDICATED ABOVE) CONSTITUTES GROUNDS FOR REVOCATION OF THE PERMIT, ENFORCEMENT OR OTHER ACTION BY THE DISTRICT.



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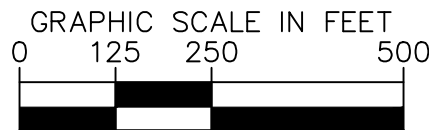
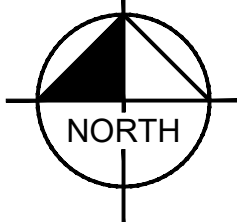
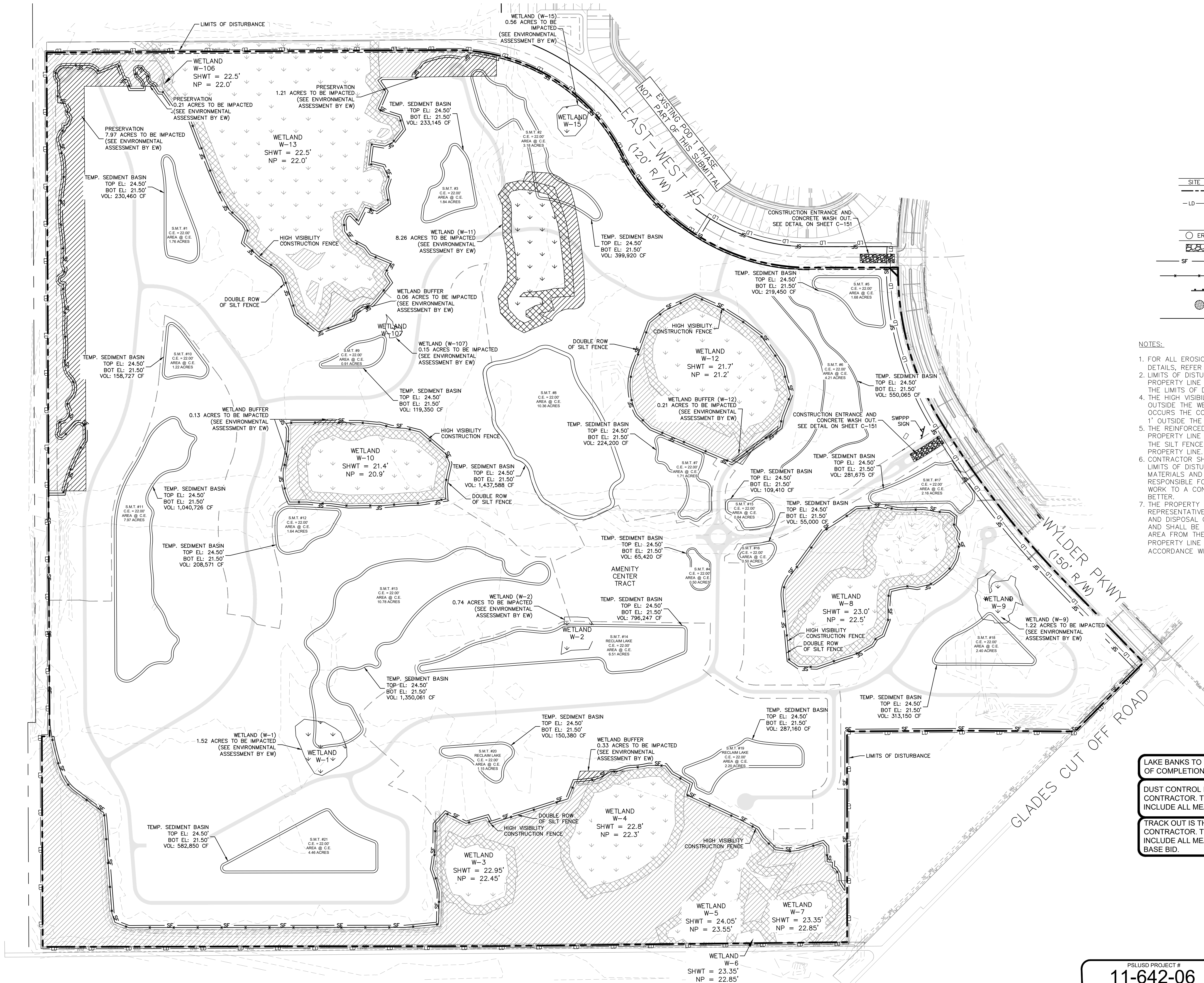
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Plotted By: Harris, Jonny Sheet Set: LDC-RANCH - Pod 9 LAYOUT: C-100 SWPPP - PHASE 1 March 04, 2024 02:49:50pm K:\VRB\LDC\VC-RANCH - Pod 9 LAYOUT: C-100 SWPPP PLAN.dwg
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LEGEND

SITE FEATURES

--- BOUNDARY LINE
--- LD PROPOSED LIMITS OF DISTURBANCE

EROSION DETAILS (SEE DETAIL SHEET C-151)

CE TEMPORARY CONSTRUCTION EXIT (SEE DETAIL)
RSP PROPOSED SEDIMENTATION/ SILT FENCE (SEE DETAIL)
CF PROPOSED HIGH VISIBILITY CONSTRUCTION FENCE
SS SWPPP INFORMATION SIGN (SEE DETAIL)
IP INLET PROTECTION
B DIVERSION BERM

NOTES:

- FOR ALL EROSION AND SEDIMENTATION CONTROL DETAILS, REFER TO DETAIL SHEET C-150/C-151.
- LIMITS OF DISTURBANCE IS OFFSET OUTSIDE THE PROPERTY LINE FOR CLARITY. WHERE THIS OCCURS THE LIMITS OF DISTURBANCE IS THE PROPERTY LINE.
- THE HIGH VISIBILITY CONSTRUCTION FENCE IS OFFSET OUTSIDE THE WETLANDS FOR CLARITY. WHERE THIS OCCURS THE CONSTRUCTION FENCE SHOULD BE PLACED 1' OUTSIDE THE WETLANDS.
- THE REINFORCED SILT FENCE IS OFFSET INSIDE THE PROPERTY LINE FOR CLARITY. WHERE THIS OCCURS THE SILT FENCE SHOULD BE PLACED 5' INSIDE THE PROPERTY LINE.
- CONTRACTOR SHALL CONTAIN ALL WORK WITHIN THE LIMITS OF DISTURBANCE, WHICH INCLUDES STORAGE OF MATERIALS AND EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY WORK TO A CONDITION AS GOOD AS EXISTING OR BETTER.
- 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).

LAKE BANKS TO BE STABILIZED WITHIN SEVEN (7) DAYS OF COMPLETION.

DUST CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO INCLUDE ALL MEASURES TO CONTROL DUST IN BASE BID.

TRACK OUT IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO INCLUDE ALL MEASURES TO CONTROL TRACK OUT IN BASE BID.

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CITY OF PORT ST. LUCIE PROJECT #

PSLUSD PROJECT #
11-642-06

P22-301 / P23-153

No.	REVISIONS	DATE	BY

Kimley»Horn

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PHONE: 772-794-4100
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LICENSED PROFESSIONAL
KIMAN F. HUSAINY, P.E.
FLORIDA LICENSE NUMBER
75481

KHA PROJECT	DATE	SCALE	AS SHOWN	DESIGNED BY	DRAWN BY	CHECKED BY	DATE
147796002	09/21/2022	SCALE	AS SHOWN	DESIGNED BY	DRAWN BY	CHECKED BY	DATE

SWPPP - PHASE 1

WYLDER
POD 9

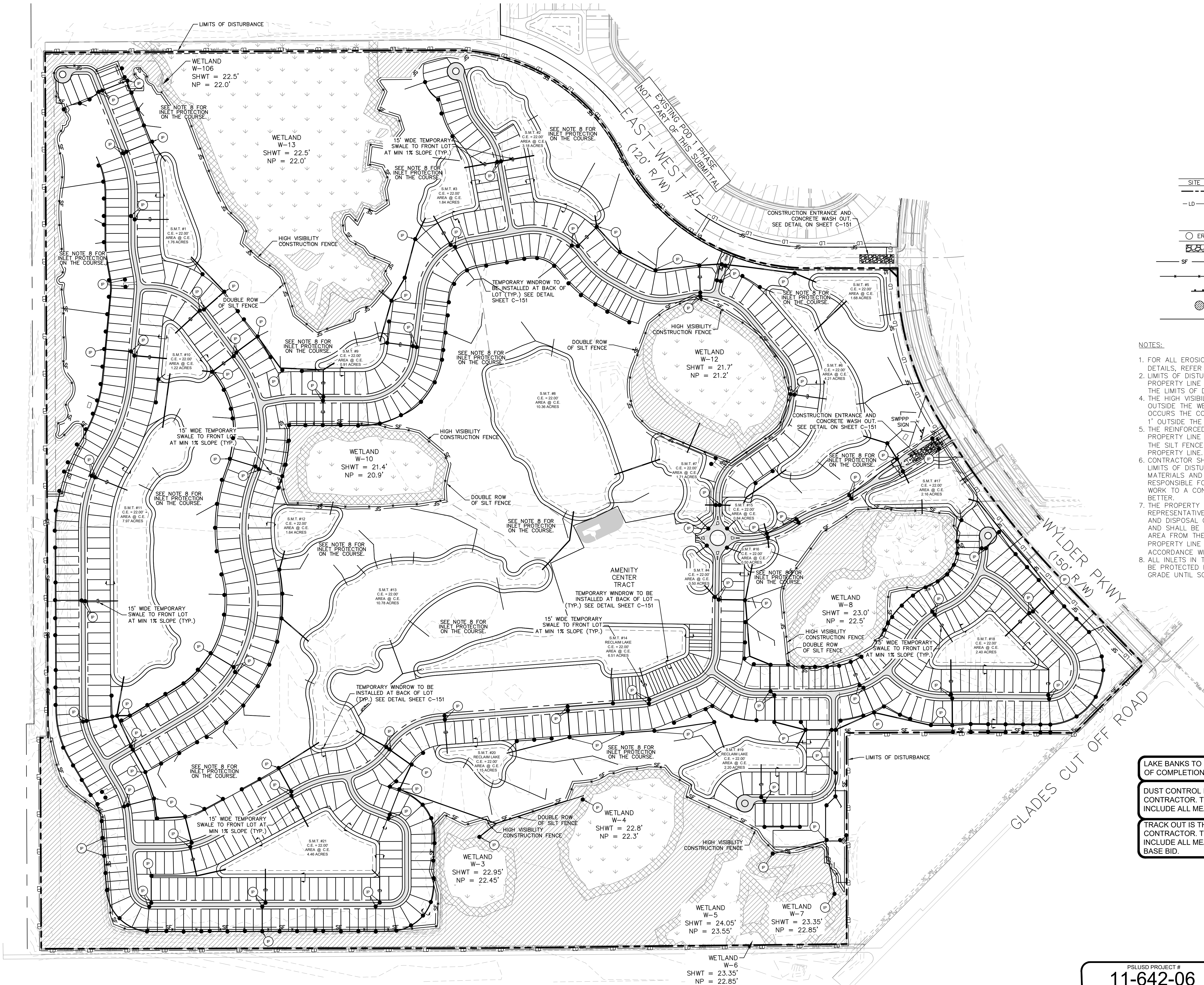
PREPARED FOR

MIDWAY GLADES DEVELOPERS, LLC

PORT ST. LUCIE
FLORIDA

SHEET NUMBER
C-100

Plotted By: Harris, Jonny Sheet Set: LITC RANCH - Pod 9 LAYOUT: C-101 SWPPP - PHASE 2 March 04, 2024 02:50:15pm K:\VRB\LOEVA\LITC RANCH - Pod 9\CAD\PlanSheets\C-100 SWPPP PLAN.dwg
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LEGEND

SITE FEATURES	
---	BOUNDARY LINE
- LD	PROPOSED LIMITS OF DISTURBANCE
EROSION DETAILS (SEE DETAIL SHEET C-151)	
	CE TEMPORARY CONSTRUCTION EXIT (SEE DETAIL)
	RSP PROPOSED SEDIMENTATION/ SILT FENCE (SEE DETAIL)
	CF PROPOSED HIGH VISIBILITY CONSTRUCTION FENCE
	SS SWPPP INFORMATION SIGN (SEE DETAIL)
	IP INLET PROTECTION
	B DIVERSION BERM

NOTES:

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- ALL INLETS IN THE AREA OF THE GOLF COURSE SHALL BE PROTECTED BY LEAVING THE PIPE ABOVE FINAL GRADE UNTIL SOD IS LAID.

LAKE BANKS TO BE STABILIZED WITHIN SEVEN (7) DAYS OF COMPLETION.

DUST CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO INCLUDE ALL MEASURES TO CONTROL DUST IN BASE BID.

TRACK OUT IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO INCLUDE ALL MEASURES TO CONTROL TRACK OUT IN BASE BID.

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CITY OF PORT ST. LUCIE PROJECT #

PSLUSD PROJECT #
11-642-06

P22-301 / P23-153

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		REVISIONS	DATE	
KHA PROJECT 147796002		LICENSED PROFESSIONAL	DATE	
DATE 09/21/2022		SCALE AS SHOWN	DESIGNED BY	
SCALE AS SHOWN		DRAWN BY	CHECKED BY	
KIMLEY-HORN		KIMLEY-HORN	KIMLEY-HORN	
SWPPP - PHASE 2		WYLDER	POD 9	
PREPARED FOR		MIDWAY GLADES DEVELOPERS, LLC		
FLORIDA		PORT ST. LUCIE		
SHEET NUMBER		C-101		

Plotted By: Harris, Jonny Sheet Set: LUCIE RANCH - Pod 9 LUYOLE-C-150 SWPPP DETAILS March 04, 2024 02:50:29pm K:\VRB-LEVALC RANCH - Pod 9\XCAD\PlanSheet\C-150 SWPPP DETAILS.dwg This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Section 1	Project Name and location information:	WYLDER POD 9, PORT ST. LUCIE, FLORIDA.
Section 2	Describe the nature of the construction activity:	Construction activities consist of the development of a 561.04 AC residential property totaling 820 units within the City of Port St. Lucie, Florida.
Section 3	Describe the intended sequence of major soil disturbing activities:	<div>- 0-5 DAYS - SITE PREP AND STABILIZED CONSTRUCTION ENTRANCE</div> <div>- 6-15 DAYS - INSTALL PERIMETER SEDIMENT AND EROSION CONTROLS</div> <div>- 16-25 DAYS - CLEARING/GRUBBING OVER ALL AREAS</div> <div>- 16-120 DAYS - INSTALL STORMWATER RETENTION BASIN</div> <div>- 26-180 DAYS - SITE GRADING</div> <div>- 180-300 DAYS - INSTALL STORM SEWER AND UTILITIES</div> <div>- 301-365 DAYS - STABILIZE SITE</div>
Section 4	Total area of the site:	561.04 AC
Section 5	Total area of the site to be disturbed:	475.69 AC
Section 6	Existing data describing the soil or quality of any stormwater discharge from the site:	The soils on site are mostly sand, consisting of Ankona-Libon, Ankona and Farmton, and Nettles and Oldsmar sands.
Section 7	Estimate the drainage area size for each discharge point:	561.04 AC
Section 8	Latitude and longitude of each discharge point and identify the receiving water or MS4 for each discharge point:	<div>LAT: 27° 20' 48" N</div> <div>LON: 80° 26' 30" W</div> <div>Discharges through control structure from onsite Basin 6 into C-107 canal to the east.</div>
Section 9	Give a detailed description of all controls, Best Management Practices (BMPs) and measures that will be implemented at the construction site for each activity identified in the intended sequence of major soil disturbing activities section. Provide time frames in which the controls will be implemented. NOTE: All controls shall be consistent with performance standards for erosion and sediment control and stormwater treatment set forth in s. 62-40.432, F.A.C., the applicable Stormwater or Environmental Resource Permitting requirements of the Department or a Water Management District, and the guidelines contained in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDOT, FDEP, and any subsequent amendments.	<div>PHASE I</div> <div>1. INSTALL STABILIZED CONSTRUCTION EXITS) AND SWPPP ENTRANCE SIGN.</div> <div>2. INSTALL SILT FENCE(S) ON THE SITE (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE).</div> <div>3. PREPARE TEMPORARY PARKING AND STORAGE AREA.</div> <div>4. ORANGE PROTECTIVE FENCE AROUND ANY LAND TO BE PRESERVED IF NECESSARY, INCLUDING TREES/WETLANDS.</div> <div>5. INSTALL AND STABILIZE HYDRAULIC CONTROL STRUCTURES (SWALES, CHECK DAMS, ETC.).</div> <div>6. BEGIN CLEARING AND GRUBBING THE SITE.</div> <div>7. BEGIN GRADING THE SITE.</div>
Section 10	Describe all temporary and permanent stabilization practices. Stabilization practices include temporary seeding, mulching, permanent seeding, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, vegetative preservations, etc.	<div>1. 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.</div> <div>2. 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.</div> <div>3. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.</div> <div>4. 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.</div> <div>5. ALL CLEARED AREAS WILL RECEIVE SEED AND MULCH WITHIN 7 DAYS IF NO CONSTRUCTION ACTIVITIES ARE TAKING PLACE OR PLANNED FOR 7 DAYS OR MORE AND/OR COMPLETION OF A PHASE OF GRADING.</div> <div>6. VEGETATIVE COVER OR OTHER EROSION CONTROL DEVICES OR STRUCTURES USED TO MEET THESE REQUIREMENTS SHALL BE PROPERLY MAINTAINED DURING AND AFTER CONSTRUCTION</div>
Section 11	Describe all structural controls to be implemented to divert stormwater flow from exposed soils and structural practices to store flows, retain sediment on-site or in any other way limit stormwater runoff. These controls include silt fences, earth dikes, diversions, swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, coagulating agents and temporary or permanent sediment basins.	<div>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.</div> <div>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.</div> <div>3. 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 CONTROL.</div> <div>4. 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.</div> <div>5. 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.</div> <div>6. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.</div> <div>7. ALL STORM SEWER INLET GRATES TO BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.</div> <div>8. CUT AND FILL SLOPES TO BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SILT FENCES TO BE USED WHERE NECESSARY.</div> <div>9. SILT FENCE INSTALLATION SHALL BE IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 102.</div> <div>10. FLOATING TURBIDITY BARRIER INSTALLATION SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD INDEX NO. 103.</div> <div>11. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL NOT BE GREATER THAN THE ANGLE WHICH CAN BE RETAINED BY VEGETATIVE COVER, OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURE (GENERALLY 4:1 OR LESS). SLOPES LEFT EXPOSED WILL, WITHIN SEVEN (7) WORKING DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION.</div> <div>12. 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.</div>
Section 12	Describe all sediment basins to be implemented for areas that will disturb 10 or more acres at one time. The sediment basins (or an equivalent alternative) should be able to provide 3,600 cubic feet of storage for each acre drained. Temporary sediment basins (or an equivalent alternative) are recommended for drainage areas under 10 acres.	REQUIRED= 475.69AC X 3,600CF/AC= 1,712,484 CF. PROVIDED= 6,884,967 CF
Section 13	Describe all permanent stormwater management controls such as, but not limited to, detention or retention systems or vegetated swales that will be installed during the construction process.	PERIMETER BERMS AND WET PONDS

Section 14	Waste disposal, this may include construction debris, chemicals, litter, and sanitary wastes:	All construction materials and debris will be placed in a dumpster and hauled off site to a landfill or other proper disposal site. No materials will be buried on site.
Section 15	Offsite vehicle tracking from construction entrances/exits:	Off site vehicle tracking of sediments and dust generation will be minimized via a rock construction entrance, street sweeping and the use of water to keep dust down.
Section 16	The proper application rates of all fertilizers, herbicides and pesticides used at the construction site:	Florida-friendly fertilizers and pesticides will be used at a minimum and in accordance with the manufacturer's suggested application rates.
Section 17	The storage, application, generation and migration of all toxic substances:	All paints and other chemicals will be stored in a locked covered shed.
Section 18	Other:	Port-o-lets will be placed away from storm sewer systems, storm inlet(s), surface waters and wetlands. No vehicle maintenance shall be conducted on-site. A washdown area shall be designated at all times and will not be located in any area that will allow for the discharge of polluted runoff.
Section 19	Provide a detailed description of the maintenance plan for all structural and non-structural controls to assure that they remain in good and effective operating condition.	
	Contractor shall provide routine maintenance of permanent and temporary sediment and erosion control features in accordance with the technical specifications or as follows, whichever is more stringent: • Silt fence shall be inspected at least weekly. Any required repairs shall be made immediately. Sediment deposits shall be removed when they reach approximately one-half the height of the barrier. • Maintenance shall be performed on the rock entrance when any void spaces are full of sediment. • Inlet(s)/outfalls shall be inspected immediately after each rain event and any required repairs to the filter inlets, silt fence, or filter fabric shall be performed immediately. • Bare areas of the site that were previously seeded shall be reseeded per manufactures' instructions. • Mulch and sod that has been washed out shall be replaced immediately. • Maintain all other areas of the site with proper controls as necessary.	
Section 20	Inspections: Describe the inspection and inspection documentation procedures, as required by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.	
	Qualified personnel will inspect all points of discharges, all disturbed areas of construction that have not been stabilized, constructed areas and locations where vehicles enter and exit the site, and all BMPs at least once every 7 calendar days and within 24 hours of the end of a rainfall event that is 0.5 inches or greater. Where sites have been finally stabilized, said inspections shall be conducted at least once every month until the Notice of Termination is filed.	
Section 21	Identify and describe all sources of non-stormwater discharges as allowed by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.	
	1. Contractor is responsible for all surface water discharges, rainfall run off or dewatering activities. 2. Contractor must incorporate all BMP's necessary to meet or exceed state water quality and SWPPPPP requirements. 3. Dewatering from construction activities shall be maintained onsite with no discharge to surface waters of the state or MS4 systems.	
Section 22	All contractor(s) and subcontractor(s) identified in the SWPPP must sign the following certification: "I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared hereunder."	

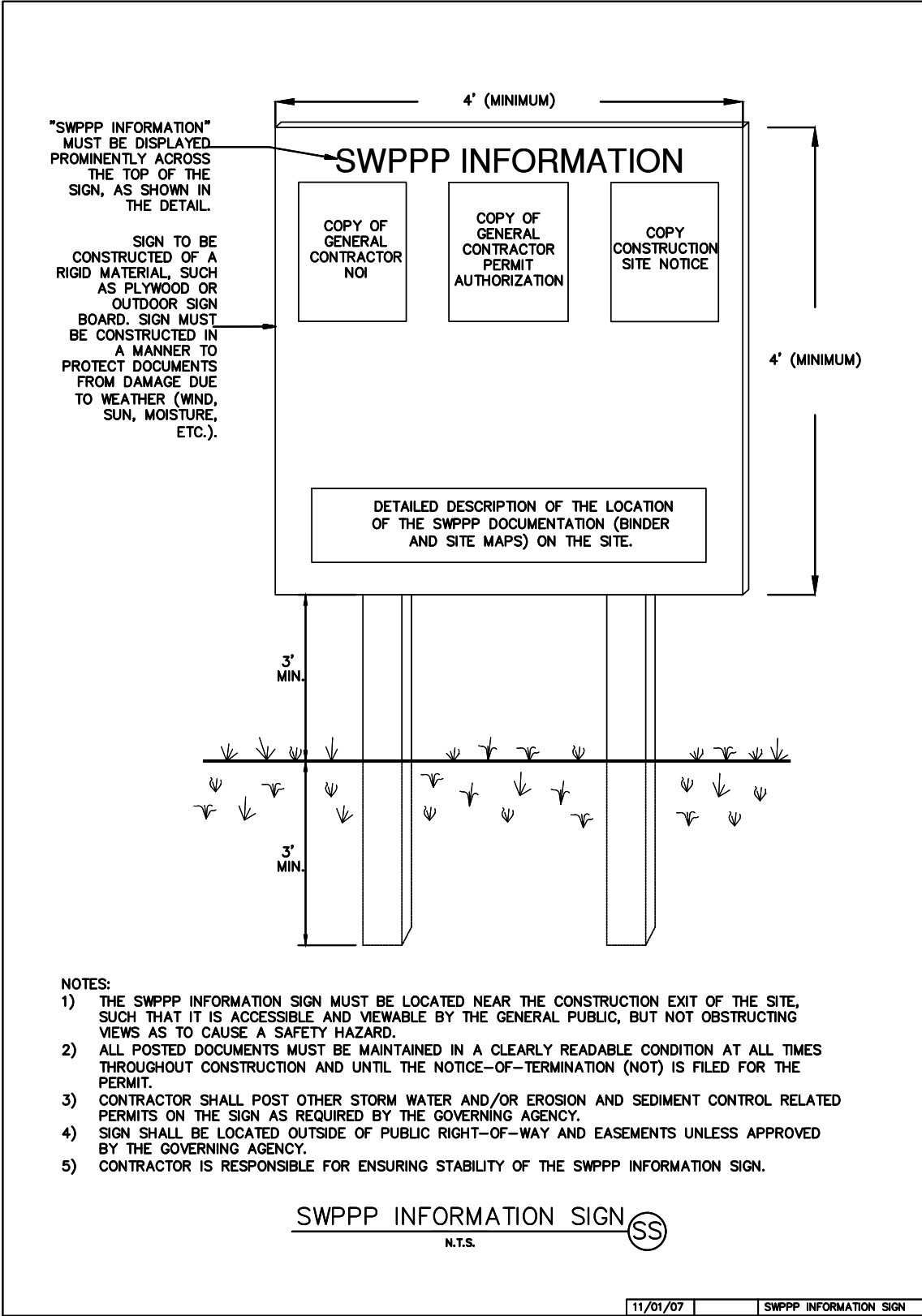
Name	Title	Company Name, Address and Phone Number	Date

NOTE: CONTRACTOR SHALL FILL OUT THE RESPONSIBLE ENTITIES TABLE ABOVE.

RESPONSIBLE ENTITIES

THE SWPPP MUST CLEARLY IDENTIFY, FOR EACH MEASURE IDENTIFIED WITHIN THE SWPPP, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) THAT WILL IMPLEMENT EACH MEASURE. ALL CONTRACTOR(S) AND SUBCONTRACTOR(S) THAT WILL BE RESPONSIBLE FOR THE IMPLEMENTATION AND MAINTENANCE OF THE MEASURES IDENTIFIED IN THE SWPPP MUST SIGN THE FOLLOWIN CERTIFICATION.

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THERE UNDER."



- NOTES:
- 1) THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
 - 2) ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
 - 3) CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
 - 4) SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
 - 5) CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

PSLUSD PROJECT #
11-642-06

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

SHEET NUMBER
C-150

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LICENSED PROFESSIONAL

KINAN F. HUSAINY, P.E.
FLORIDA LICENSE NUMBER
75481

KHA PROJECT
147796002
DATE
09/21/2022
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

DATE: --- --

SWPPP DETAILS

WYLDER

POD 9

PREPARED FOR

MIDWAY GLADES DEVELOPERS, LLC

PORT ST. LUCIE
FLORIDA

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Plotted By: Harris, Jonny Sheet: SWPPP Details - Pod 9 LAYOUT: C-151 SWPPP DETAILS - March 04, 2024 02:50:32pm K:\VRB\LDEVALTC RANCH - Pod 9\CAD\PlanSheets\C-150 SWPPP DETAILS.dwg
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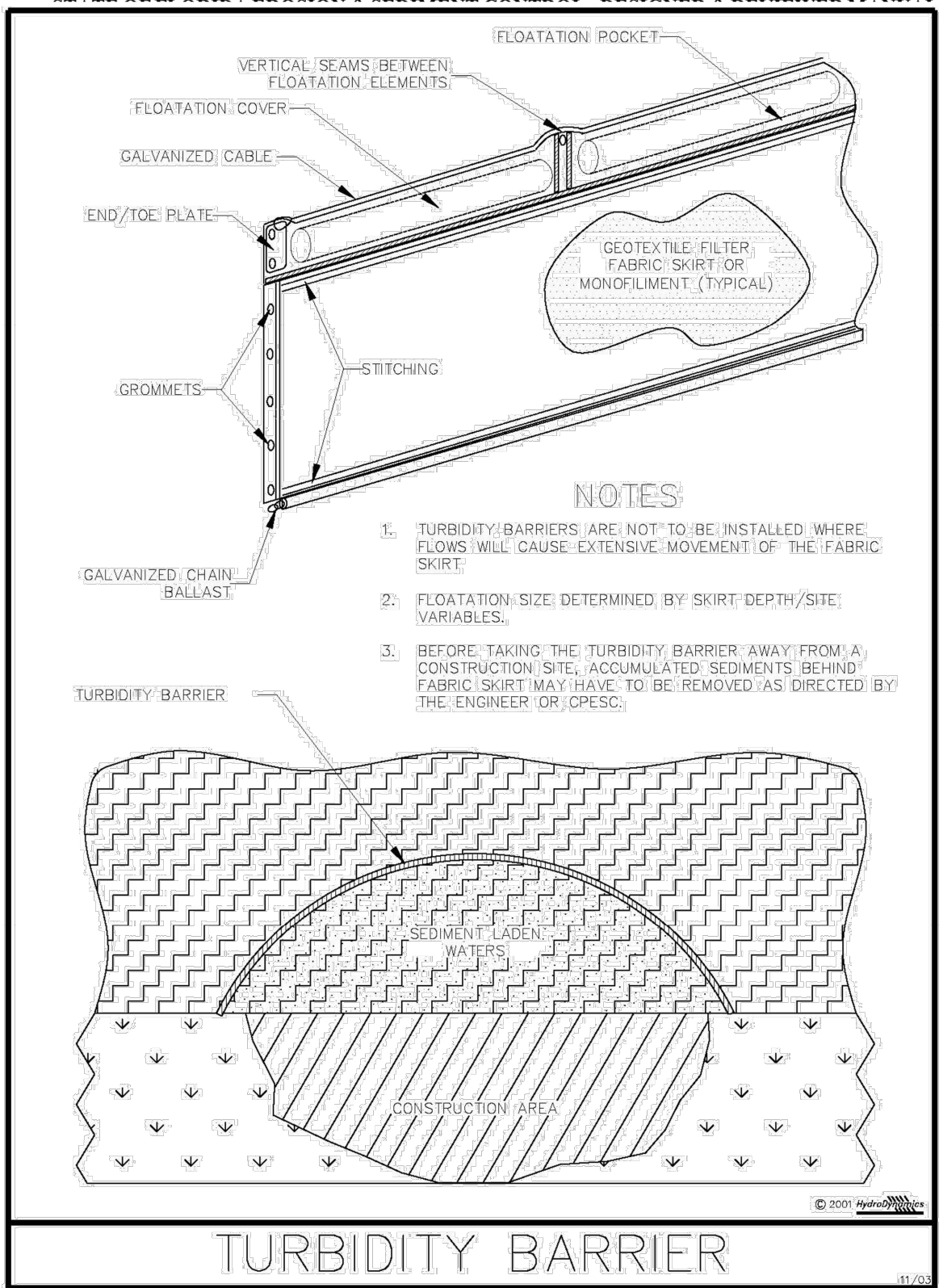


Figure V-44: Illustration of a Turbidity Barrier Curtain

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CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

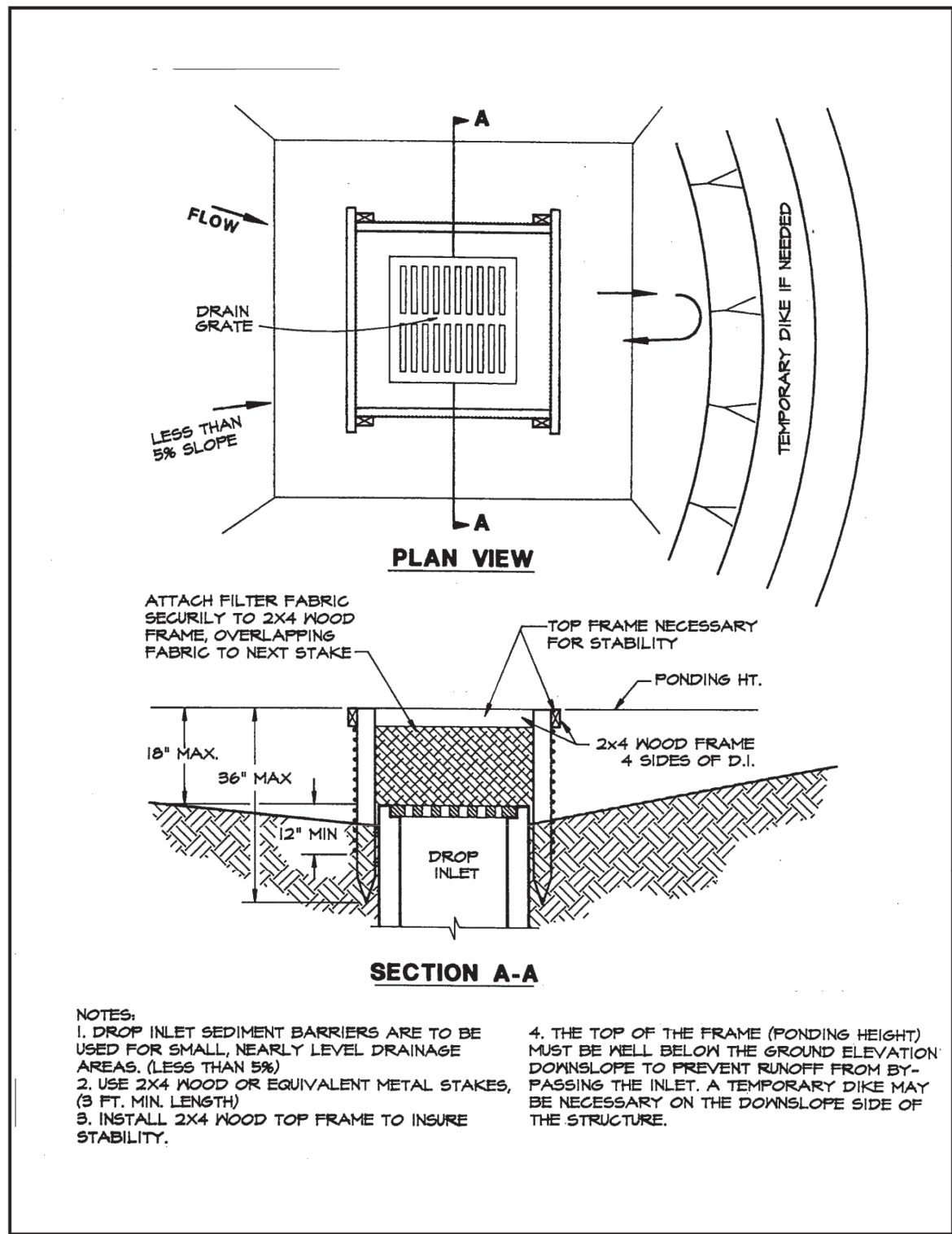


Figure 4.5a: Silt Fence Drop Inlet Sediment Barrier

Source: Erosion Draw

77

STATE OF FLORIDA EROSION & SEDIMENT CONTROL - DESIGNER & REVIEWER MANUAL

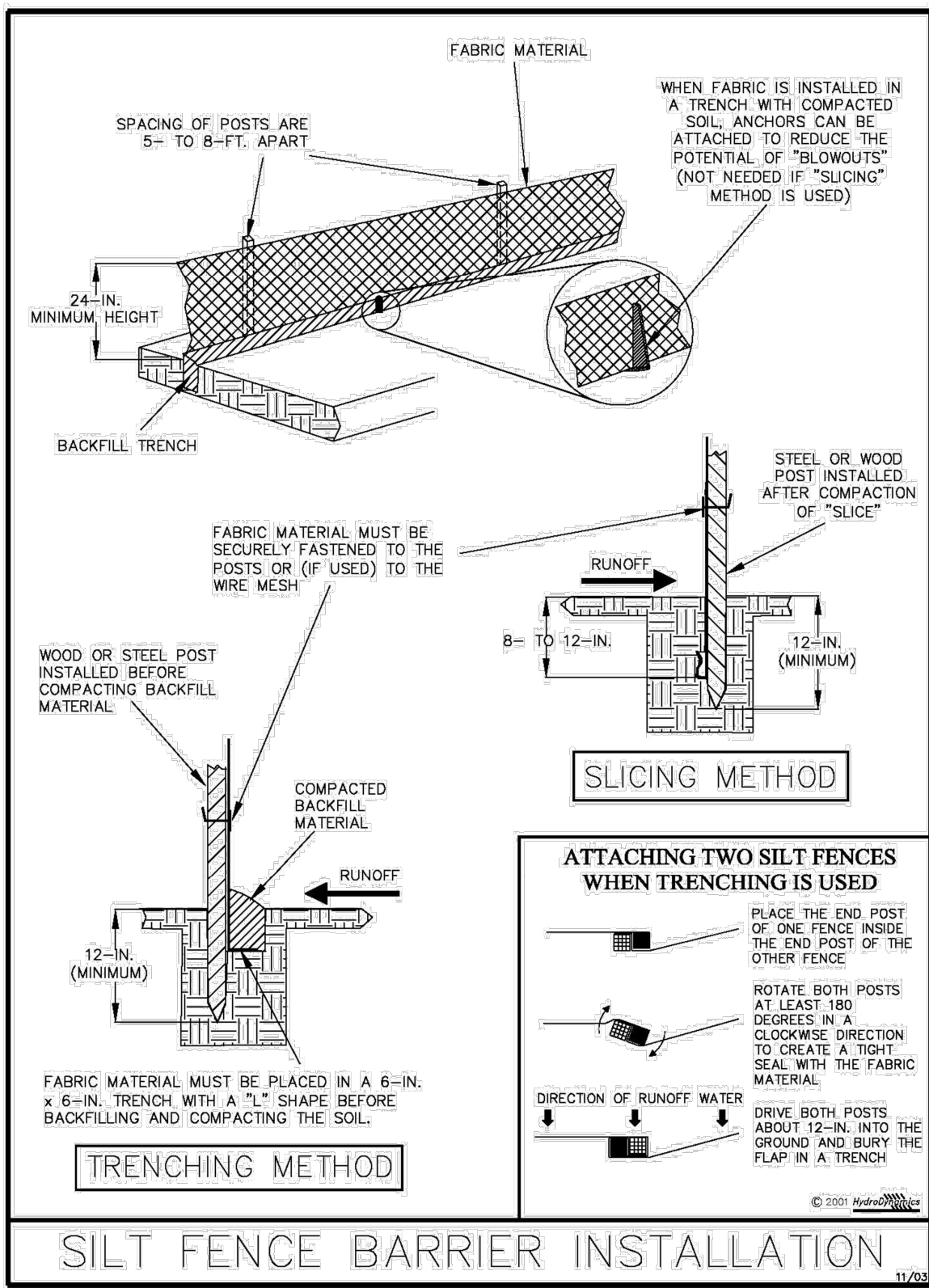


Figure V-40: Illustration of a Silt Fence Barrier

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V-7

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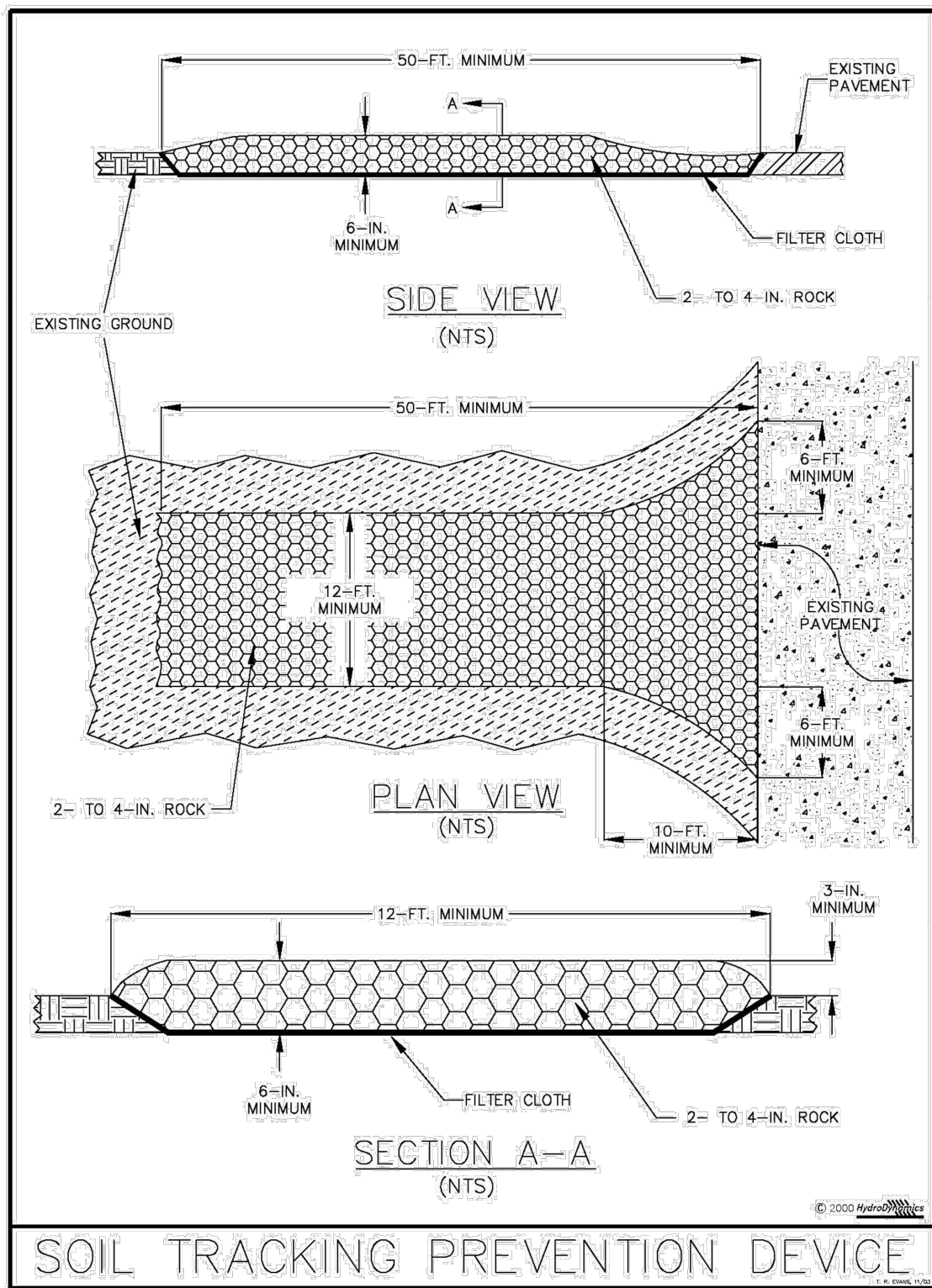
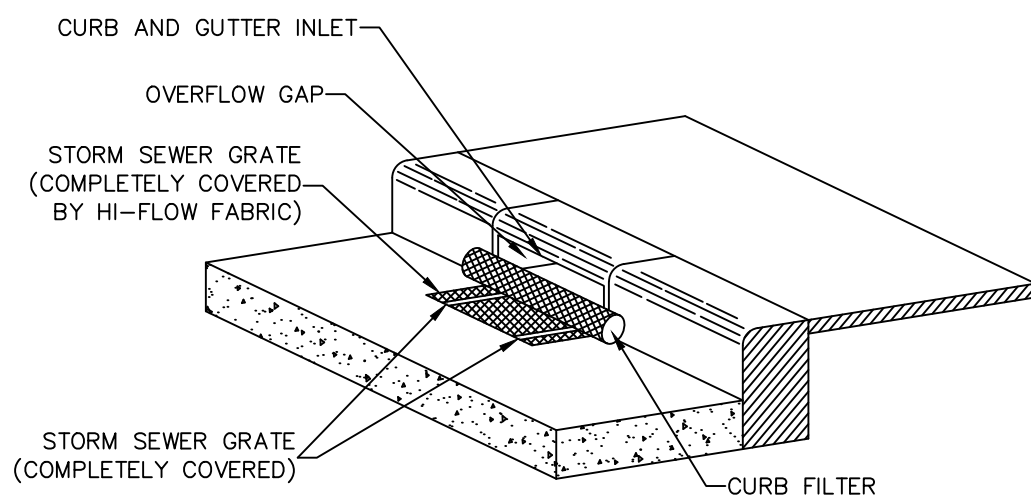


Figure V-52: Illustration of a Soil Tracking Prevention Device

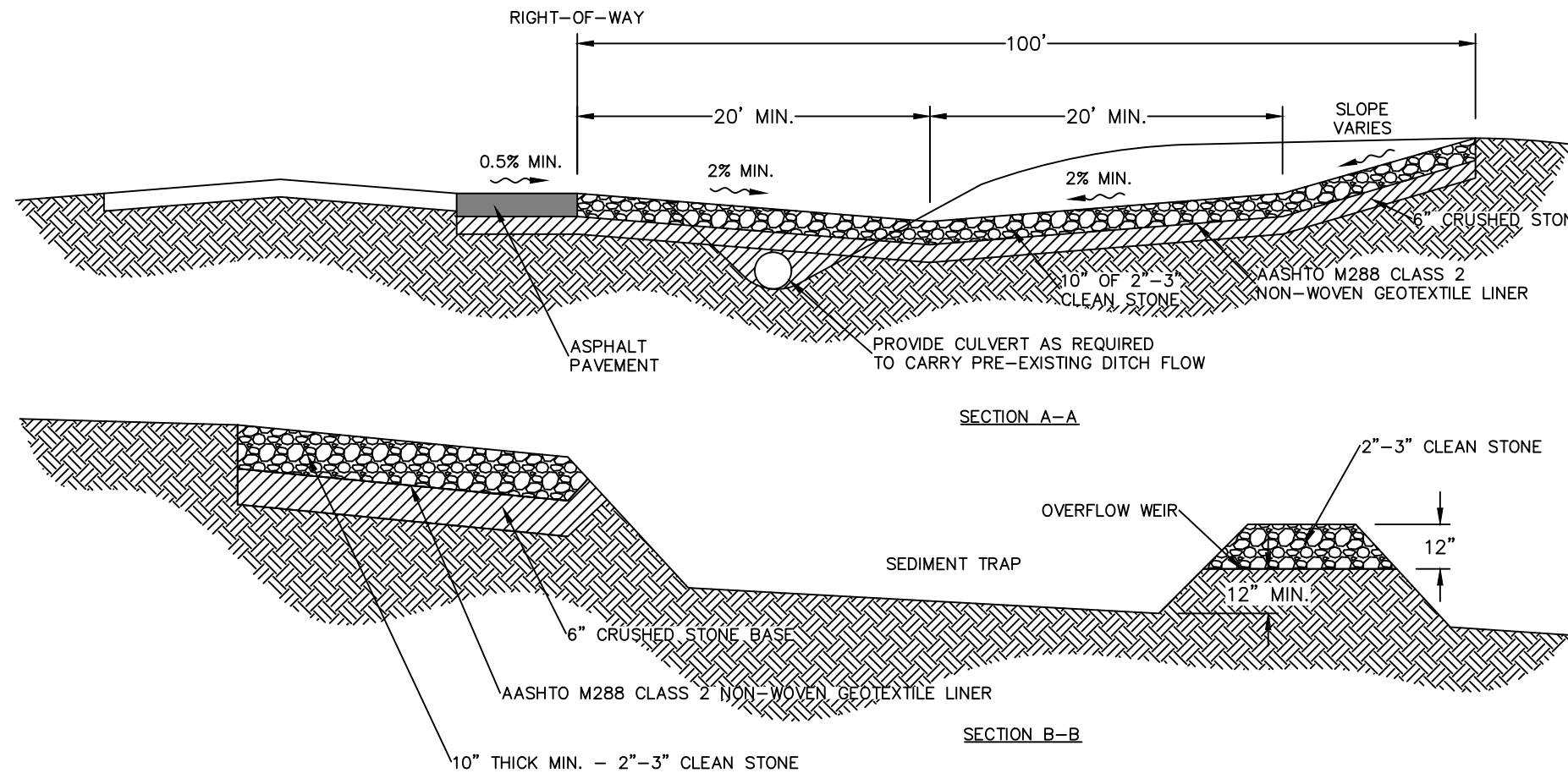
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V-31



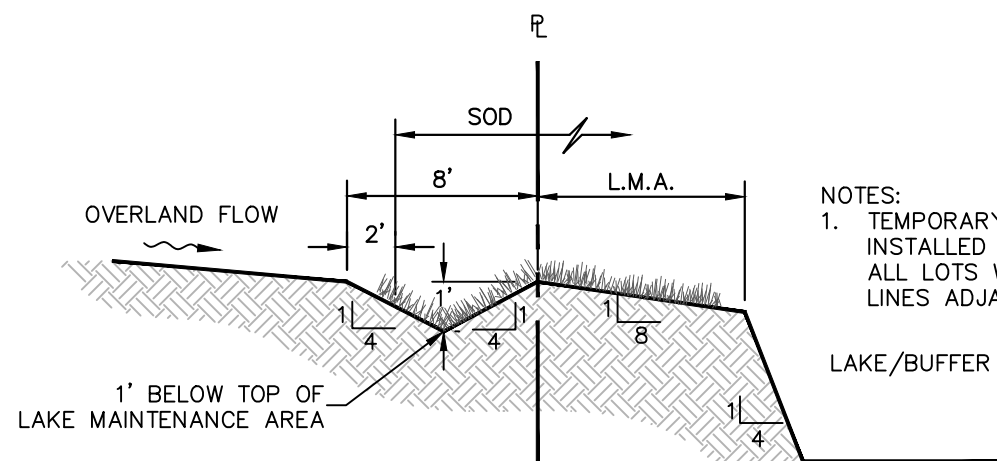
INLET PROTECTION

N.T.S.



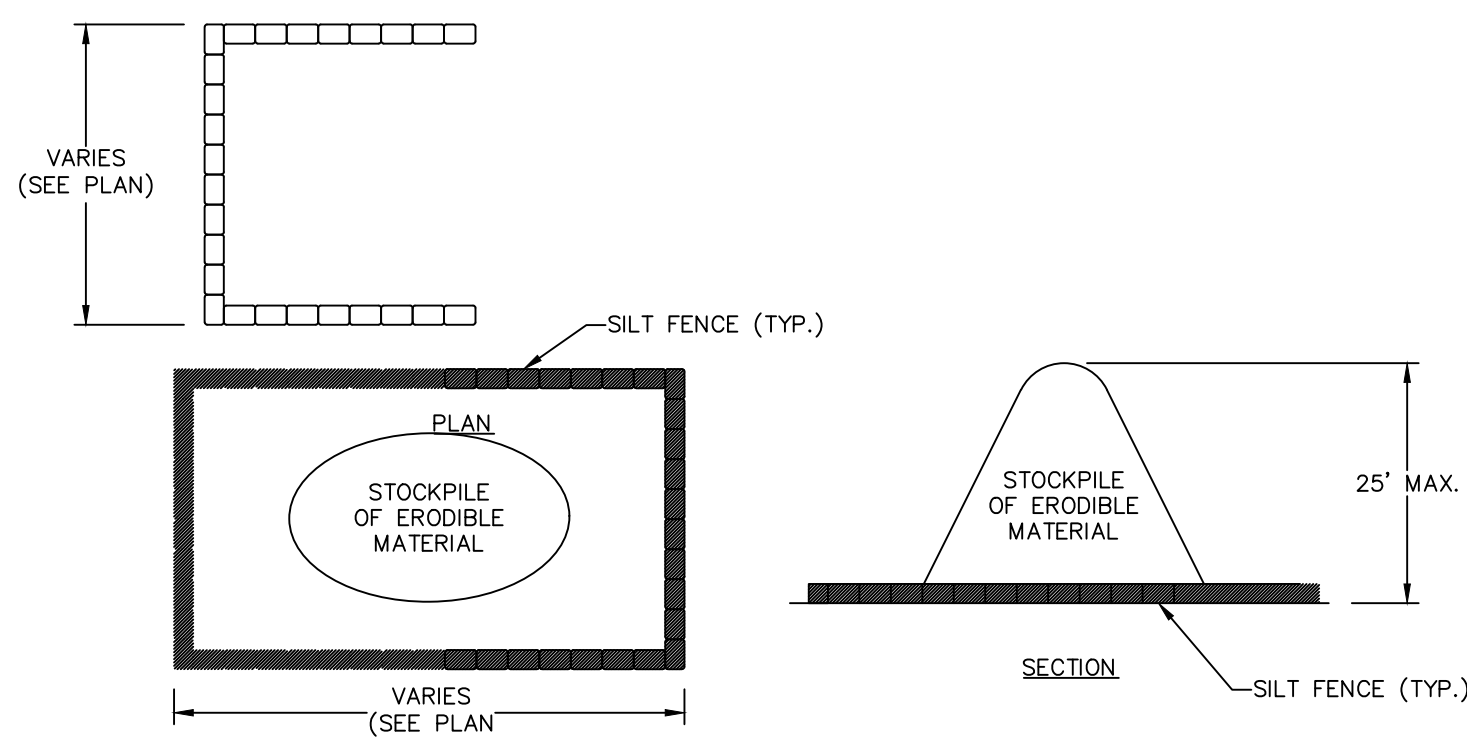
CONSTRUCTION EXIT

N.T.S.



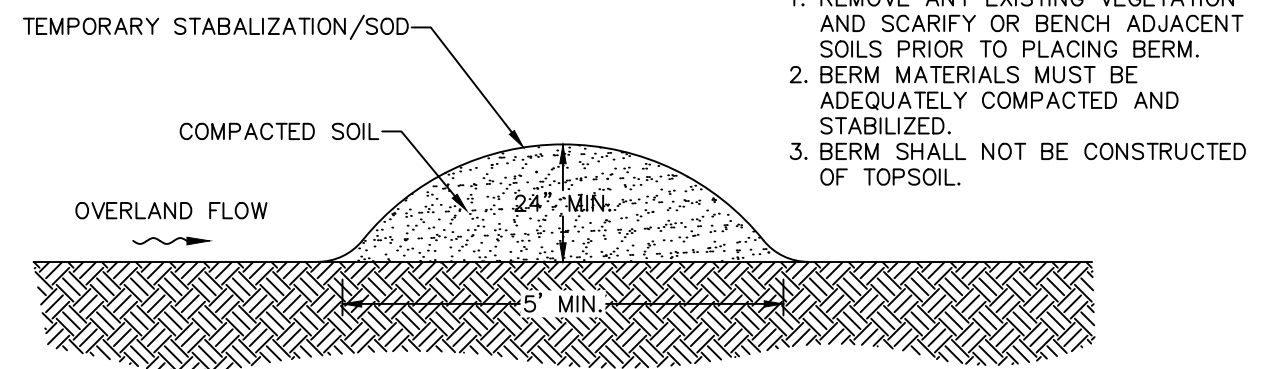
TEMPORARY WINDROW

N.T.S.



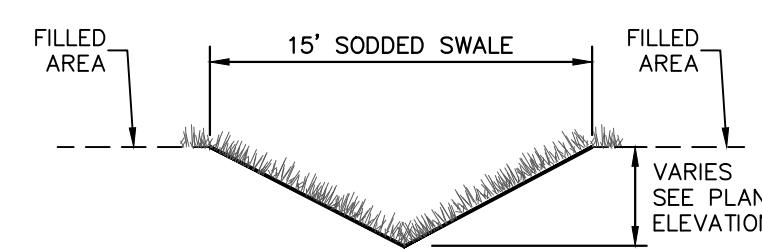
SEDIMENT CONTROL FOR STOCKPILING OF ERODIBLE MATERIAL

N.T.S.



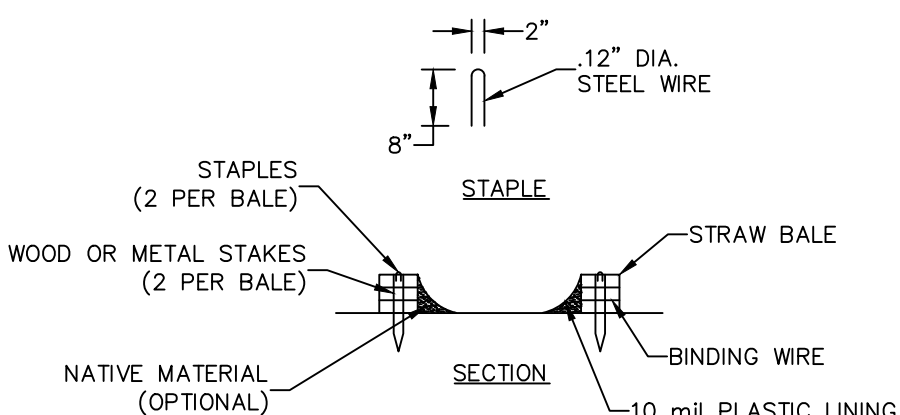
TEMPORARY DIVERSION BERM

N.T.S.



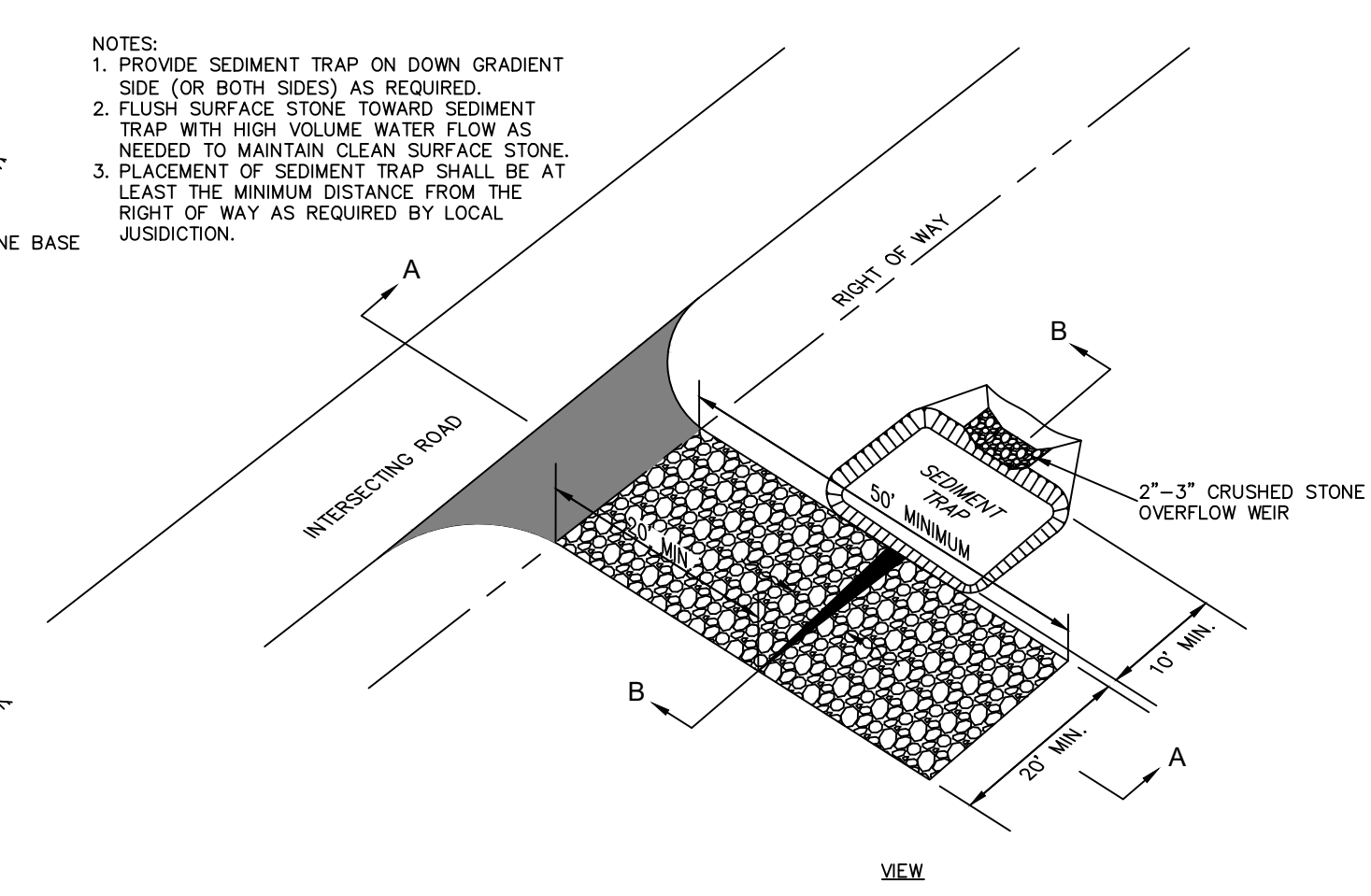
TEMPORARY DRAINAGE SWALE

N.T.S.



CONCRETE & STUCCO WASTE MANAGEMENT

N.T.S.



CONSTRUCTION EXIT

N.T.S.

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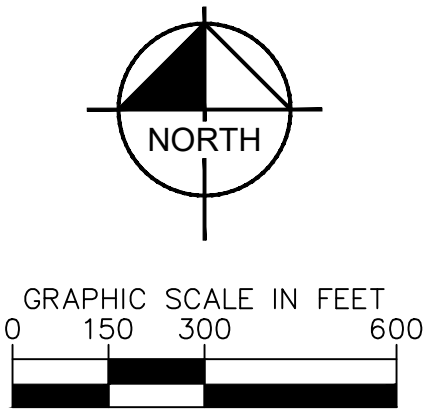
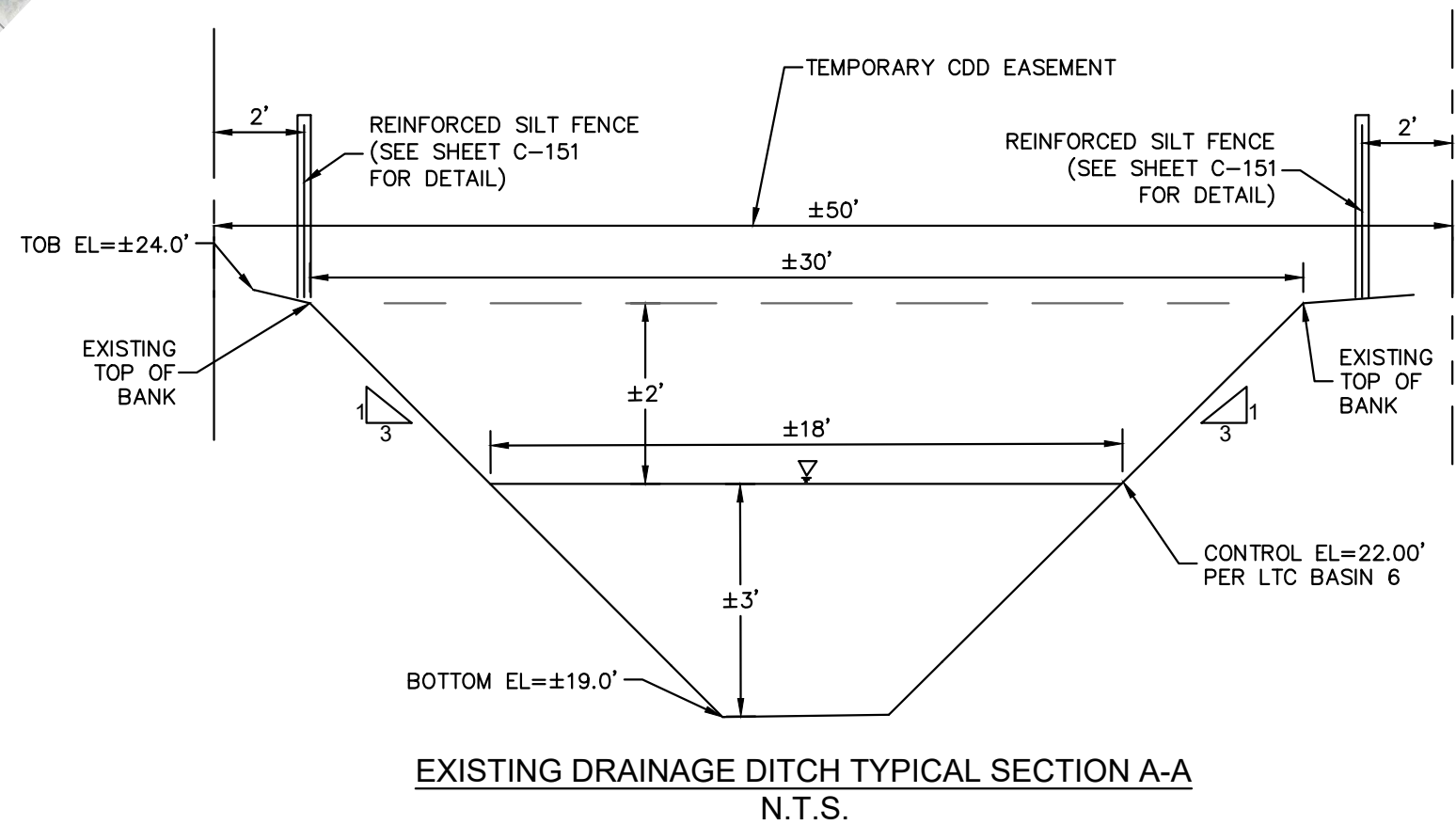
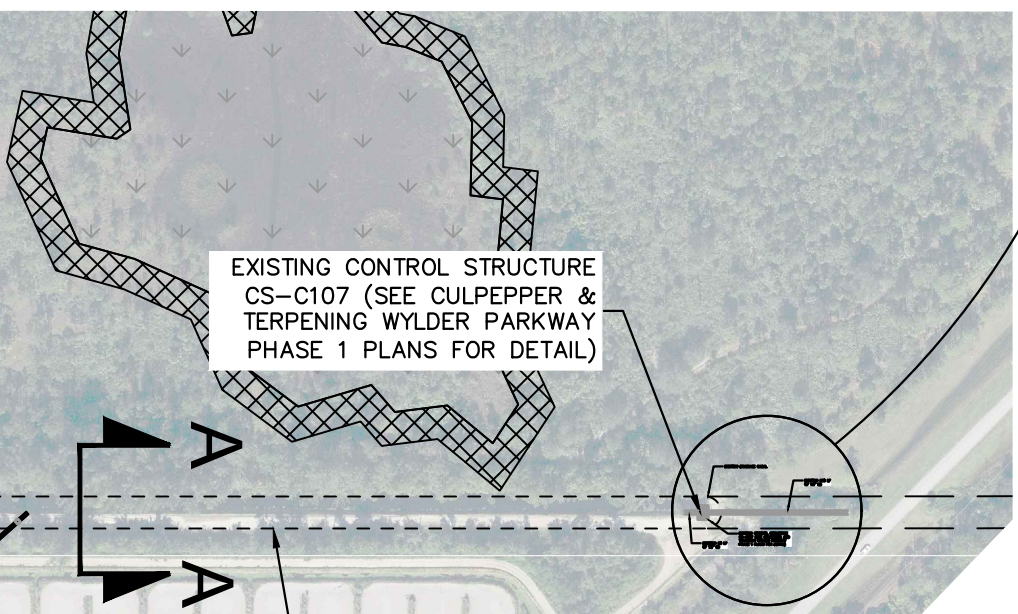
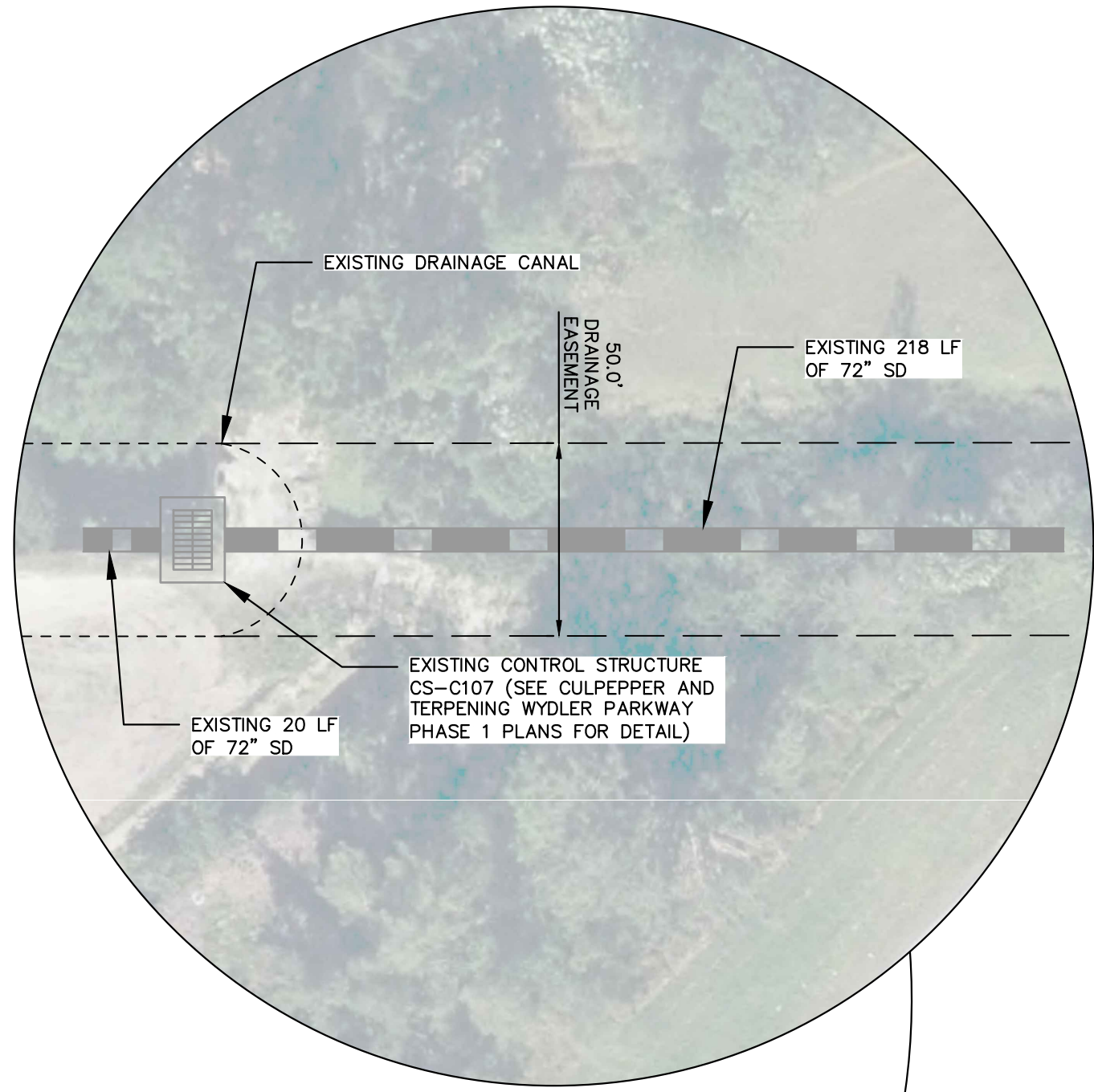
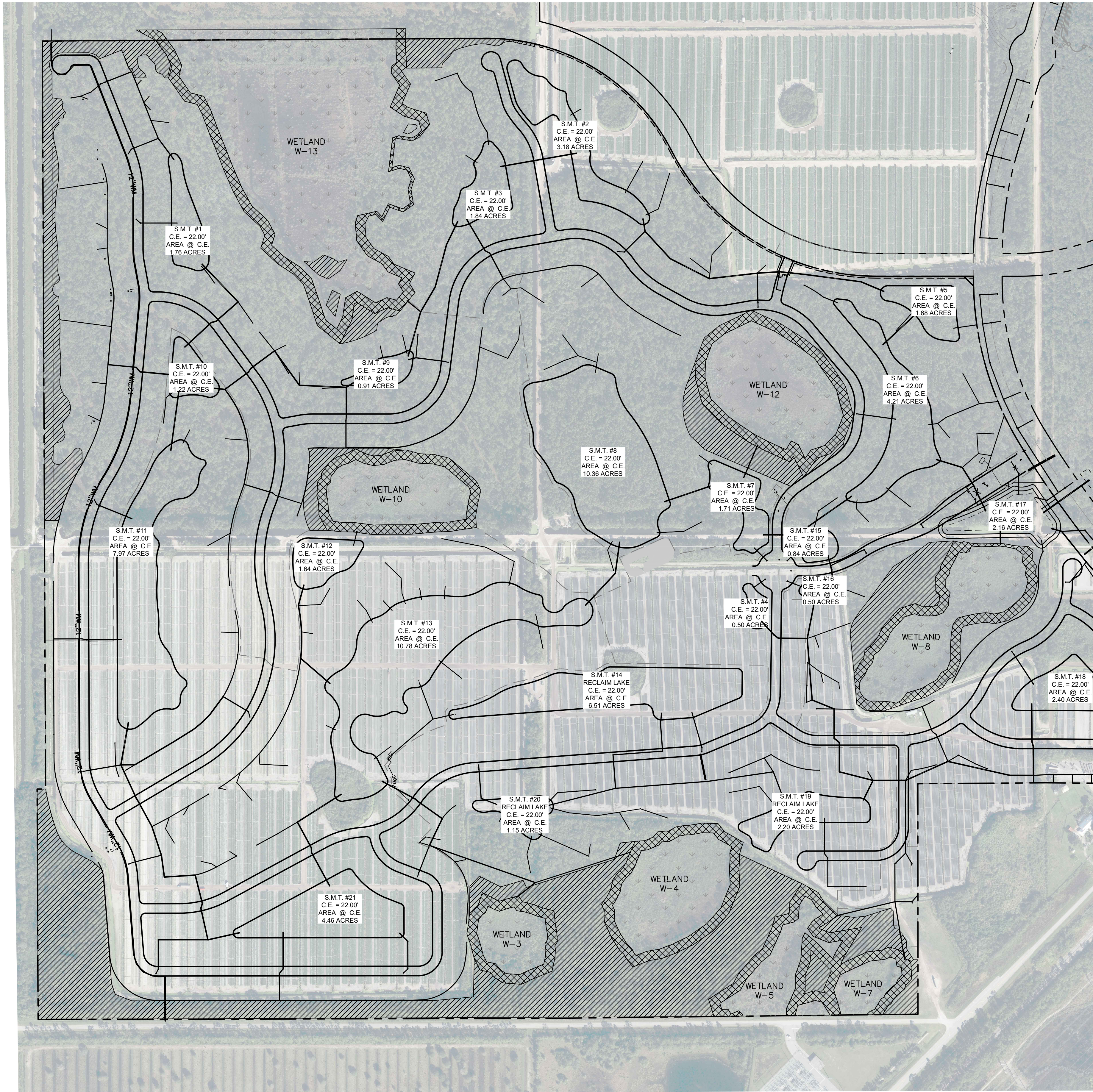
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KHA PROJECT	147796002
DATE	09/21/2022
SCALE	AS SHOWN
DESIGNED BY	---
DRAWN BY	---
CHECKED BY	KFH
DATE	---

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POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
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SHEET NUMBER
C-151

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DRAINAGE AND
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KIMAN F. HUSINY, P.E.
FLORIDA LICENSE NUMBER
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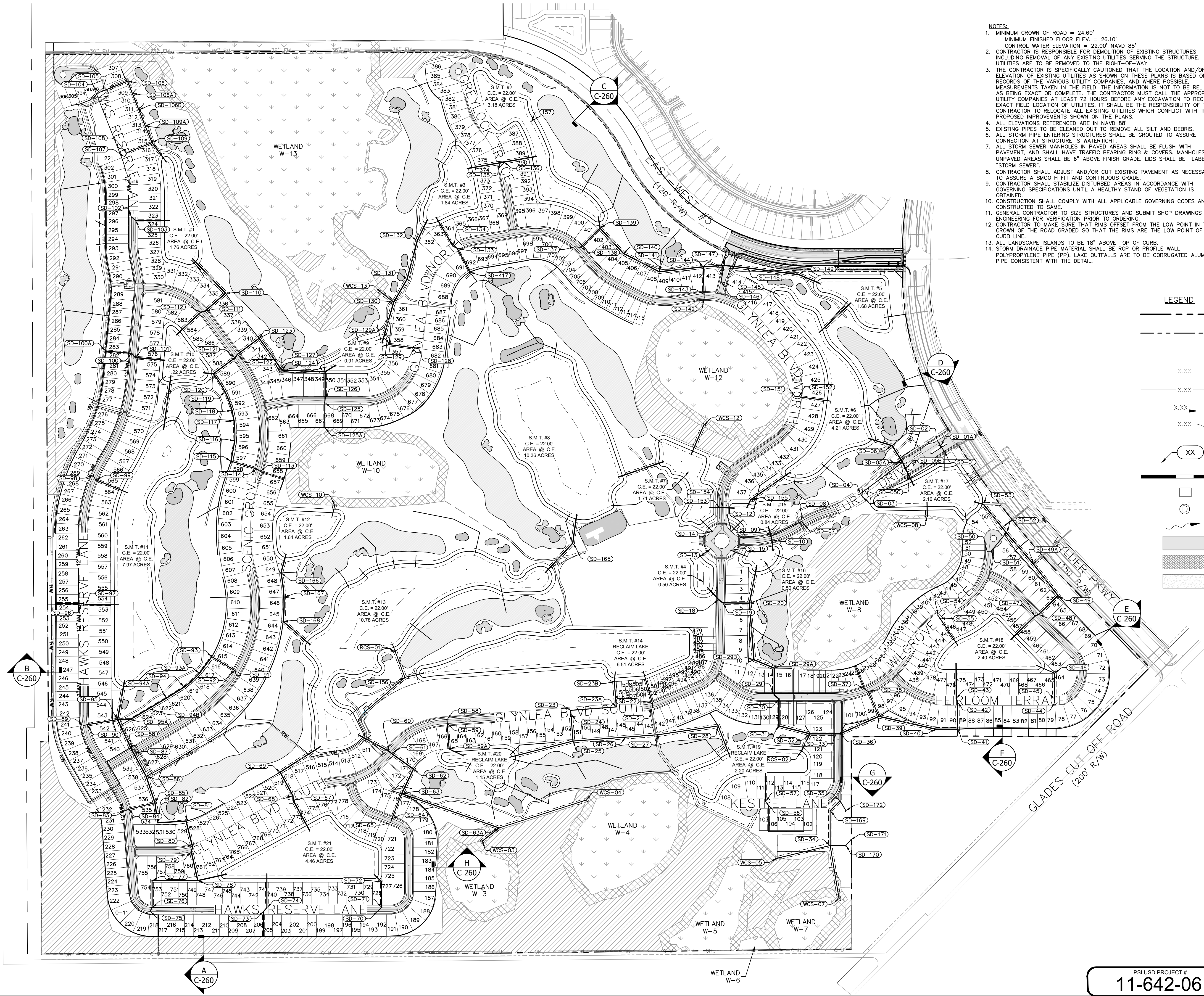
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- NOTES:
1. MINIMUM CROWN OF ROAD = 24.60'
 2. MINIMUM FINISHED FLOOR ELEV. = 26.10'
 3. CONTROL WATER ELEVATION = 22.00' NAVD 88'
 4. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
 5. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 6. ALL ELEVATIONS REFERENCED ARE IN NAVD 88'
 7. EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
 8. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
 9. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
 10. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
 11. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
 12. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
 13. GENERAL CONTRACTOR TO SIZE STRUCTURES AND SUBMIT SHOP DRAWINGS TO ENGINEERING FOR VERIFICATION PRIOR TO ORDERING.
 14. CONTRACTOR TO MAKE SURE THAT RIMS OFFSET FROM THE LOW POINT IN THE CROWN OF THE ROAD GRADED SO THAT THE RIMS ARE THE LOW POINT OF THE CURB LINE.
 15. ALL LANDSCAPE ISLANDS TO BE 18" ABOVE TOP OF CURB.
 16. STORM DRAINAGE PIPE MATERIAL SHALL BE ROP OR PROFILE WALL POLYPROPYLENE PIPE (PP). LAKE OUTFALLS ARE TO BE CORRUGATED ALUMINUM PIPE CONSISTENT WITH THE DETAIL.

LEGEND

- PROPERTY LINE
- R/W LINE
- LOT LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SLOPE
- PROPOSED SPOT GRADE
- PROPOSED STORM STRUCTURE
- PROPOSED STORM PIPE
- PROPOSED INLET
- PROPOSED STORM MANHOLE
- FLOW DIRECTION
- ASPHALT
- BRICK PAVERS
- CONCRETE SIDEWALK

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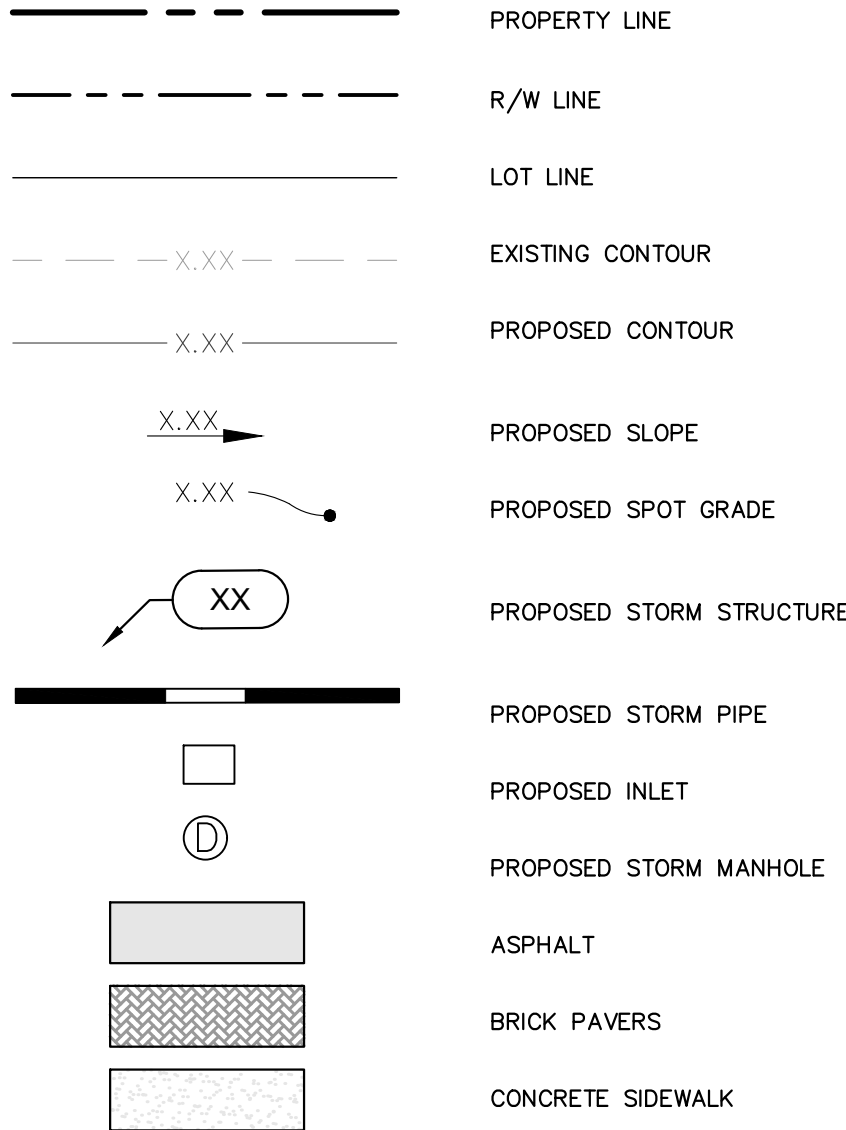
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P22-301 / P23-153

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KHA PROJECT 147796002		KIMAN F. HUSAINY, P.E. FLORIDA LICENSE NUMBER 75481	
DATE 09/21/2022		SCALE AS SHOWN DESIGNED BY JWK DRAWN BY JWK	
OVERALL PAVING GRADING AND DRAINAGE PLAN		WYLDER POD 9 PREPARED FOR MIDWAY GLADES DEVELOPERS, LLC PORT ST. LUCIE FLORIDA	
SHEET NUMBER C-200		REVISIONS No. DATE	

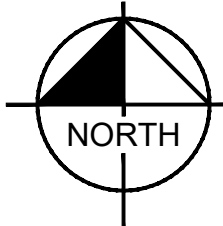
Plotted By: Harris, Jonny Sheet Set: LITC RANCH - Pod 9 Layout: C-202 PGD March 04, 2024 02:56:13pm K:\VRB-LEVALTIC RANCH - Pod 9\CAD\PlanSheets\C-202 PGD PLAN - EAST.dwg
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LEGEND

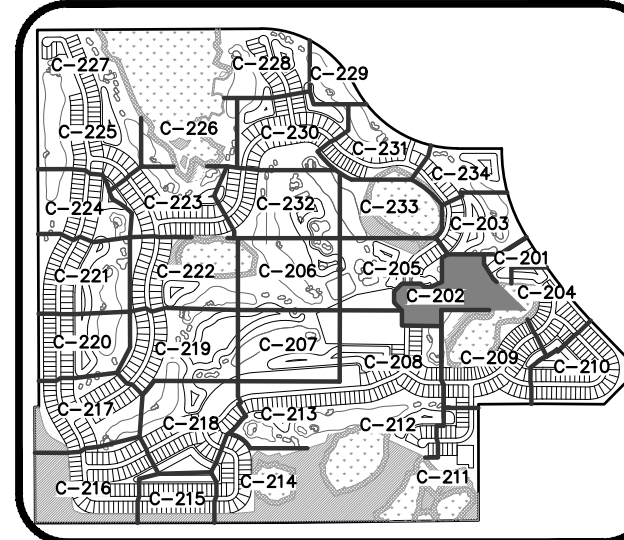
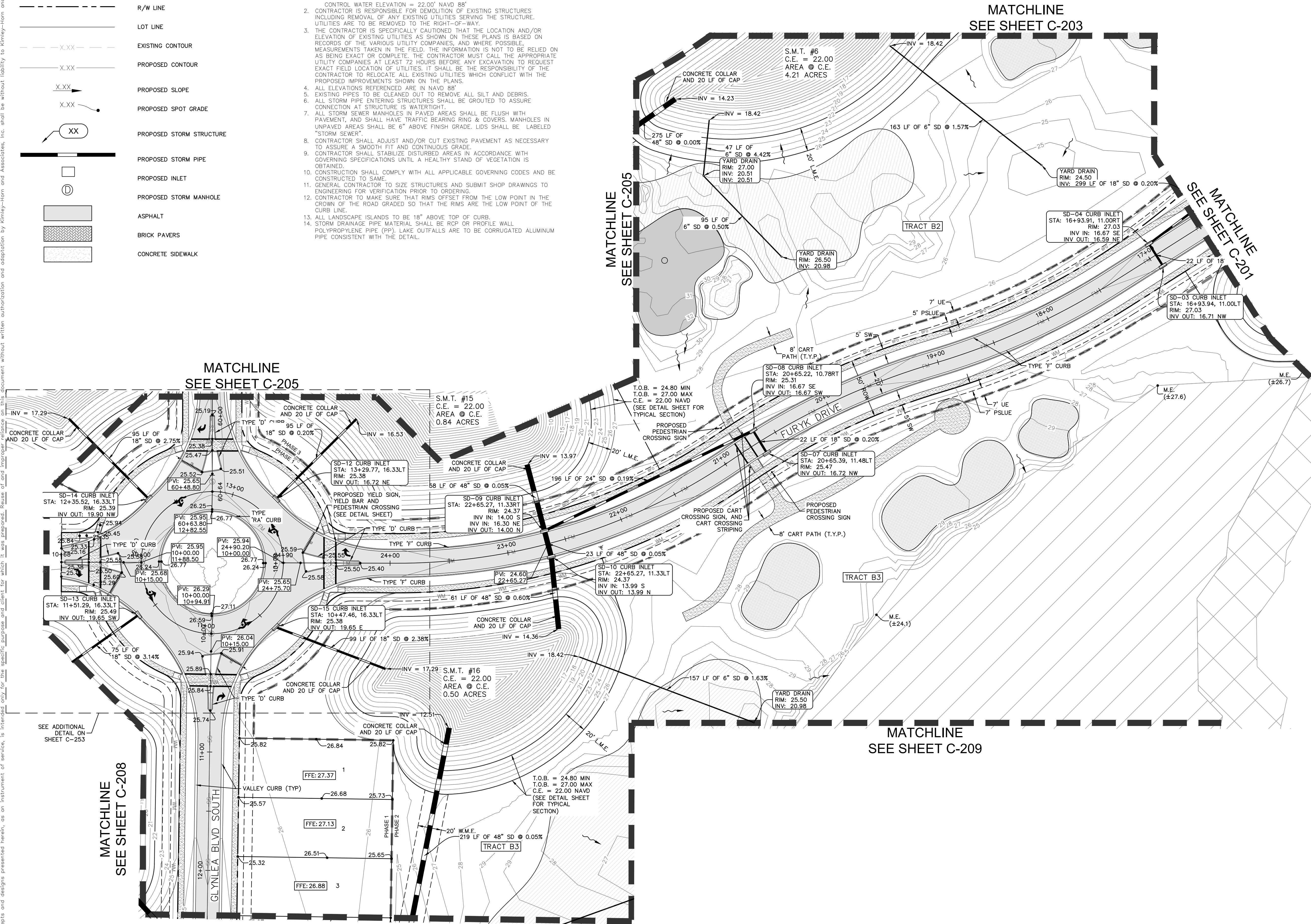


NOTES:

1. MINIMUM CROWN OF ROAD = 24.60'
MINIMUM FINISHED FLOOR ELEV. = 26.10'
CONTROL WATER ELEVATION = 22.00' NAVD 88'
2. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
3. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
4. ALL ELEVATIONS REFERENCED ARE IN NAVD 88'
5. EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
6. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
7. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
8. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
9. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
10. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
11. GENERAL CONTRACTOR TO SIZE STRUCTURES AND SUBMIT SHOP DRAWINGS TO ENGINEERING FOR VERIFICATION PRIOR TO ORDERING.
12. CONTRACTOR TO MAKE SURE THAT RIMS OFFSET FROM THE LOW POINT IN THE CROWN OF THE ROAD GRADED SO THAT THE RIMS ARE THE LOW POINT OF THE CURB LINE.
13. ALL LANDSCAPE ISLANDS TO BE 18" ABOVE TOP OF CURB.
14. STORM DRAINAGE PIPE MATERIAL SHALL BE RCP OR PROFILE WALL POLYPROPYLENE PIPE (PP). LAKE OUTFALLS ARE TO BE CORRUGATED ALUMINUM PIPE CONSISTENT WITH THE DETAIL.



GRAPHIC SCALE IN FEET
0 20 40 80



KEY MAP
N.T.S.

CALL 48 HOURS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

811
Know what's below.
Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

PSLUSD PROJECT #
11-642-06

NO.	REVISIONS	DATE	BY

Kimley»Horn

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 696

LICENSED PROFESSIONAL	KIMAN F. HUSINY, P.E.
KHA PROJECT	147796002
DATE	09/21/2022
SCALE	AS SHOWN
DESIGNED BY	JWK
DRAWN BY	JWK
CHECKED BY	KFH
DATE:	----

PAVING GRADING AND DRAINAGE PLAN

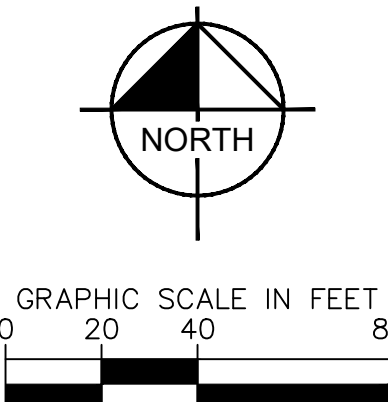
WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
FLORIDA

SHEET NUMBER
C-202

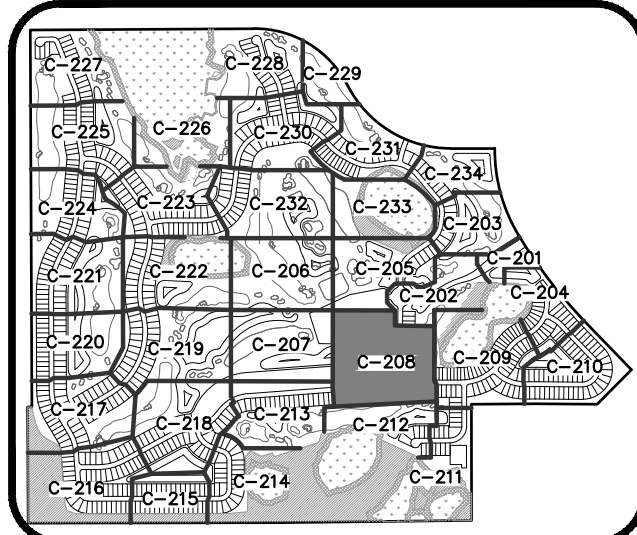
MATCHLINE
SEE SHEET C-207

AMENITY CENTER TRACT

MATCHLINE SEE SHEET C-209




1. MINIMUM CROWN OF ROAD = 24'-60"
2. MINIMUM FINISHED FLOOR ELEV. = 26'-10"
3. CONTROL WATER ELEVATION = 22'-00" NAVD 88
4. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE.
5. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
6. THE CONTRACTOR IS SPECIFICALLY CAUTIONED TO LOCATE AND IDENTIFY ALL EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS MADE BY THE FIELD ENGINEER. THE CONTRACTOR IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES AND MAKE ANY NECESSARY IMPROVEMENTS SHOWN ON THE PLANS.
7. ALL ELEVATIONS REFERENCED ARE IN NAVD 88.
8. ALL EXISTING UTILITIES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
9. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS COMPLETE.
10. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL BE REPAVED TO MATCH THE PAVED SURFACE. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
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13. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
14. GENERAL CONTRACTOR TO SIZE STRUCTURES AND FITTINGS TO MEET LOW DRAINAGE TO ENGINEERING VERIFICATION PRIOR TO ORDERING.
15. CONTRACTOR TO MAKE SURE THAT RIMS OFFSET FROM THE LOW POINT OF THE ROAD TO THE ROAD GRADED SO THAT THE RIMS ARE THE LOW POINT OF THE CURB LINE.
16. ALL LANDSCAPE ISLANDS TO BE 18" ABOVE TOP OF CURB
17. STORM DRAINAGE PIPE MATERIAL SHALL BE RCP OR PROFILE WALL POLYPROPYLENE PIPE (PP) WITH 12" BUTTS AND 12" MINIMUM WALL THICKNESS ALUMINUM PIPE CONSISTENT WITH THE DETAIL.



KEY MAP
N.T.S.

CALL 48 HOURS
BEFORE YOU DIG **811**

IT'S THE LAW!
DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC. 

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CITY OF PORT ST. LUCIE PROJECT #
P22 301 / P23 153

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WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT 147796002	LICENSED PROFESSIONAL
DATE 09/21/2022	KINAN F HILSAINY P F

PAVING GRADING AND DRAINAGE PLAN

WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC

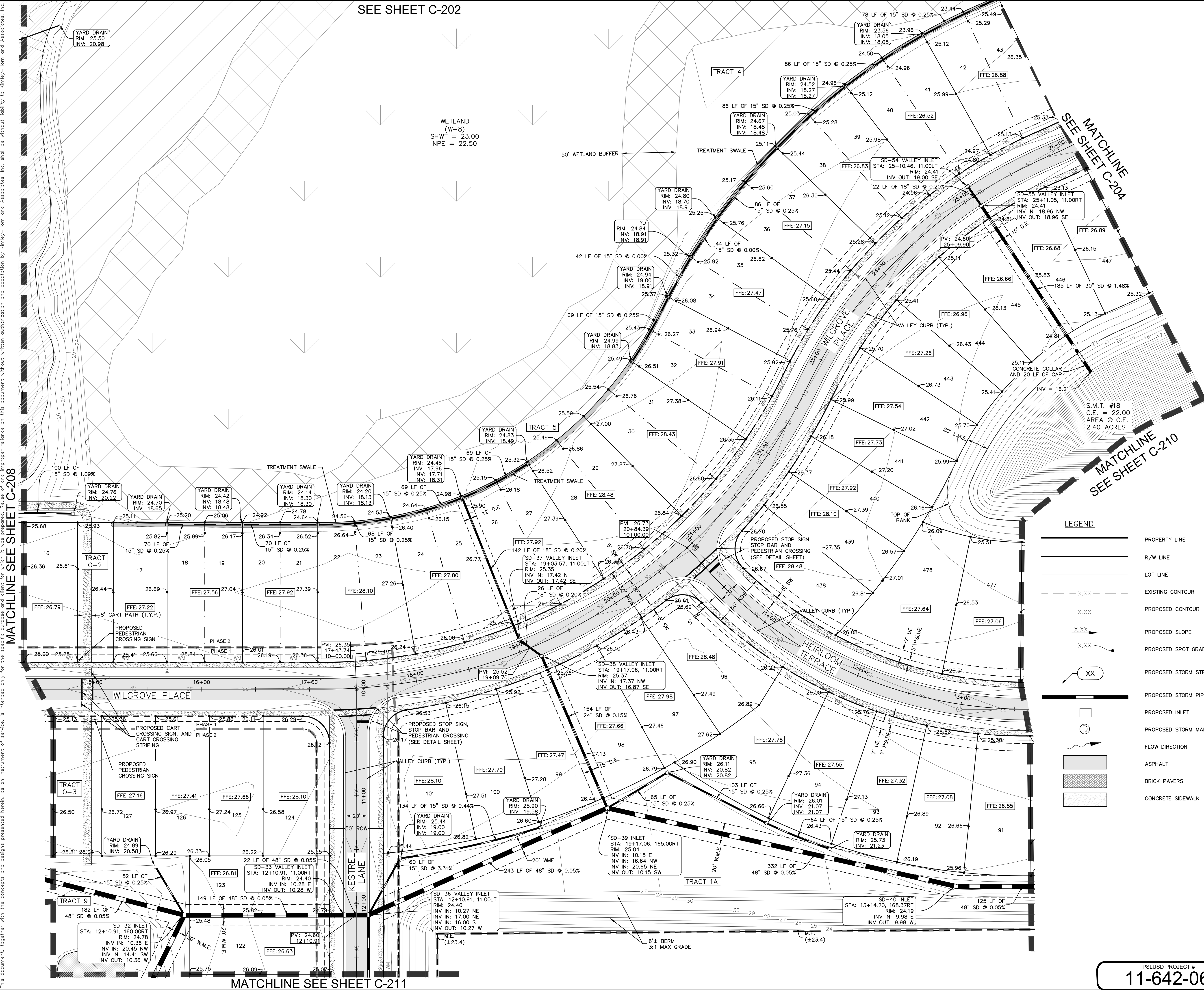
SHEET NUMBER
C-208

No.	REVISIONS	DATE	BY
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CHECKED BY KFH DATE: _____

PORT ST. LUCIE
FLORIDA

Plotted By: Harris, Jonny Sheet Set: LUCIE RANCH - Pod 9, LAYOUT C-209 PCD March 04, 2024 02:58:56pm K:\VRB-IDEV\ALC Branch - Pod 9\XCAD\PlanSheets\C-209 PCD PLAN - SOUTHEAST.dwg
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LEGEND

	PROPERTY LINE
	R/W LINE
	LOT LINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED SLOPE
	PROPOSED SPOT GRADE
	PROPOSED STORM STRUCTURE
	PROPOSED STORM PIPE
	PROPOSED INLET
	PROPOSED STORM MANHOLE
	FLOW DIRECTION
	ASPHALT
	BRICK PAVERS
	CONCRETE SIDEWALK

KEY MAP
N.T.S.

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CITY OF PORT ST. LUCIE PROJECT #

11-642-06

CITY OF PORT ST. LUCIE PROJECT #

P22-301 / P23-153

PSLUSD PROJECT #

11-642-06

SEE SHEET C-202

SEE SHEET C-204

SEE SHEET C-210

SEE SHEET C-211

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PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 696

LICENSED PROFESSIONAL

KIMAN F. HUSAINY, P.E.

FLORIDA LICENSE NUMBER 75481

PAVING GRADING AND DRAINAGE PLAN

WYLDER POD 9

PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC

PORT ST. LUCIE, FLORIDA

DATE: 09/21/2022

SCALE: AS SHOWN

DESIGNED BY: JWK

DRAWN BY: JWK

CHECKED BY: KFH

DATE: _____

NO.

REVISIONS

DATE

BY

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147796002

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AS SHOWN

DESIGNED BY

JWK

DRAWN BY

JWK

CHECKED BY

KFH

DATE

NO.

REVISIONS

DATE

BY

PROJECT #

147796002

DATE

09/21/2022

SCALE

AS SHOWN

DESIGNED BY

JWK

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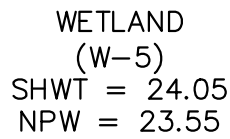
BY

PROJECT #

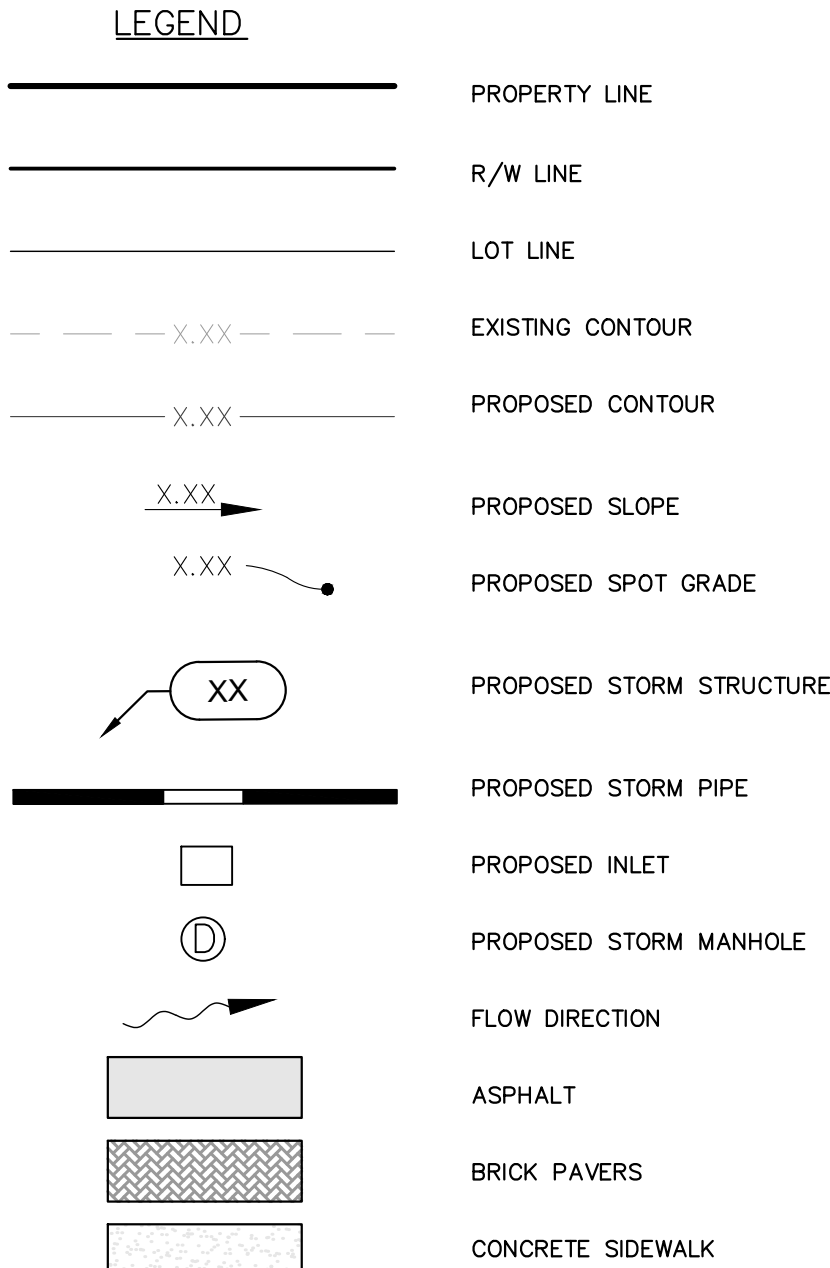
147796002

DATE

09/21/



UPLAND
PRESERVE AREA



1. MINIMUM CROWN OF ROAD = 24'-6"
2. MINIMUM FINISHED FLOOR ELEV. = 26'-0"
3. CONTROL WATER ELEVATION = 22'-00" NAVD 88'
4. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES TO BE REMOVED TO BE REVEALED BY THE DRAWING.
5. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RECONSTRUCT ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
6. ALL ELEVATIONS REFERENCED ARE IN NAVD 88'
7. EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
8. ALL STORM PIPE ENTERING STRUCTURE SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
9. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH CONCRETE AND SHALL HAVE TRAFFIC BEARING RIG & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
10. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVED AREAS AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
11. CONTRACTOR SHALL STABILIZE DISBURD AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
12. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE SUBJECT TO SAME.
13. GENERAL CONTRACTOR TO SIZE STRUCTURES AND SUBMIT SHOP DRAWINGS TO ENGINEERING FOR VERIFICATION FOR THE RIMS.
14. CONTRACTOR TO ADJUST EXISTING DRIVE FROM THE LOW POINT IN THE CROWN OF THE ROAD GRADED SO THAT THE RIMS ARE FROM THE LOW POINT OF THE CURB LINE.
15. ALL LANDSCAPE ISLANDS TO BE 18" ABOVE TOP OF CURB.
16. STORM DRAINAGE PIPE SHALL BE 18" ABOVE FINISHED DRIVE WALL.
17. POLYPROPYLENE PIPE (PP) LAKE OUTFALLS ARE TO BE CORRUGATED ALUMINUM PIPE CONSISTENT WITH THE DETAIL.



VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION.

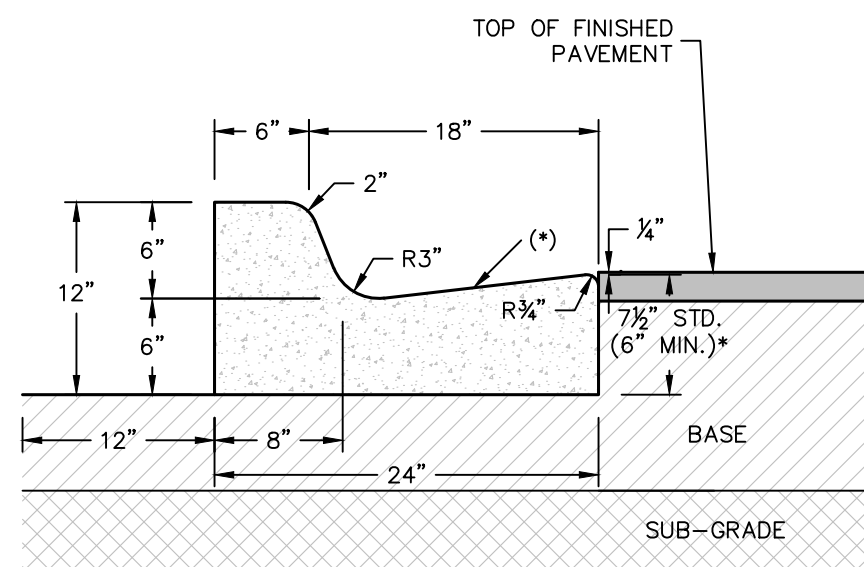
CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

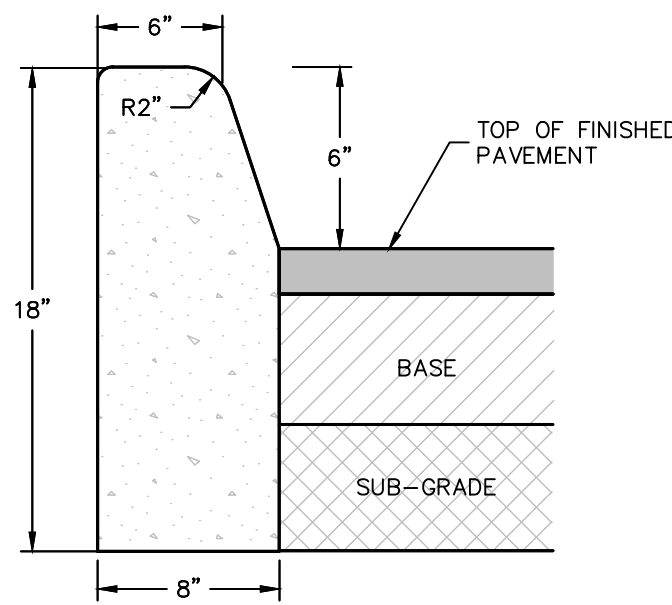
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PHONE: 772-794-4100
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REGISTRY NO. 696

PAVING GRADING AND DRAINAGE PLAN

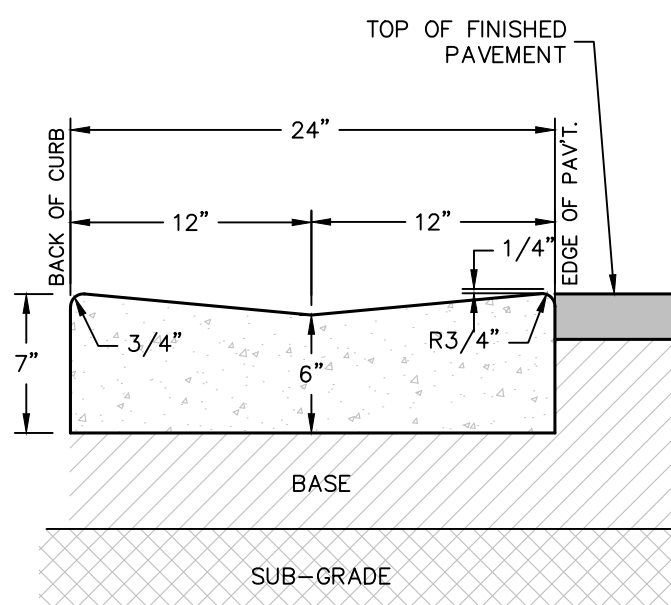
WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
FLORIDA



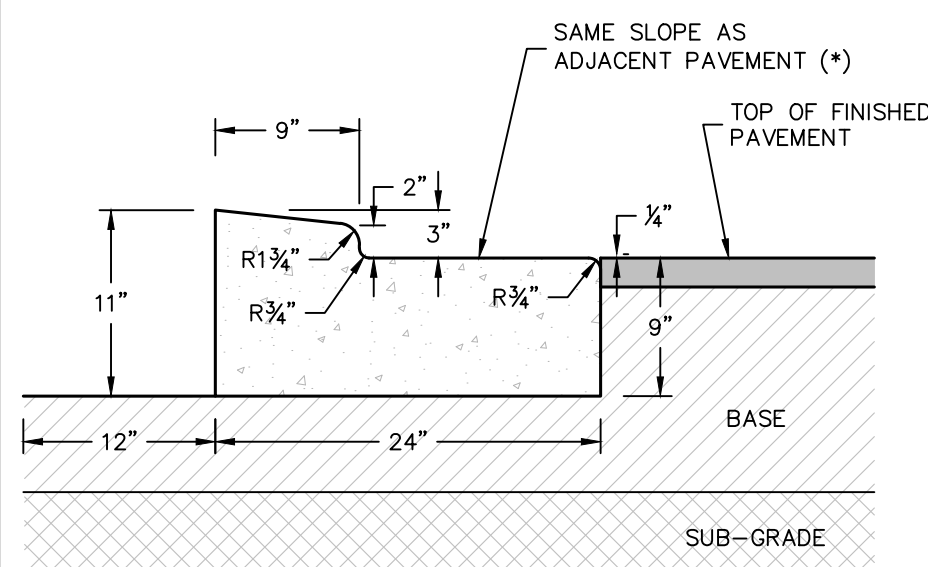
TYPE "F" CURB AND GUTTER
N.T.S



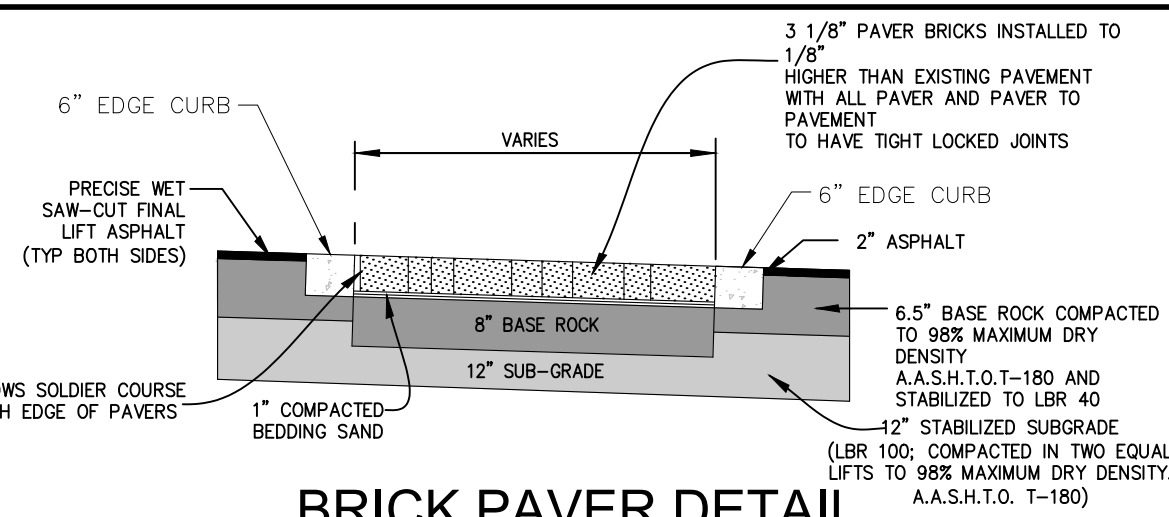
TYPE "D" CURB AND GUTTER
N.T.S



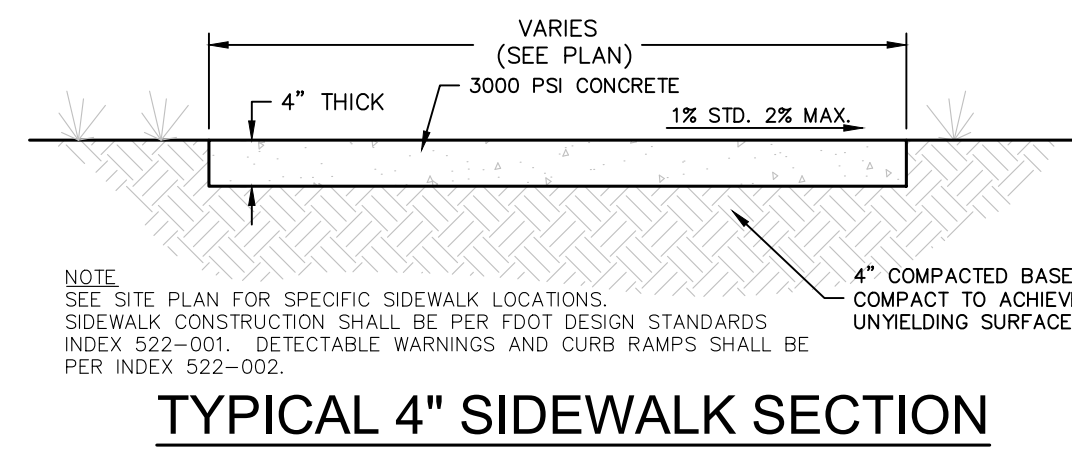
VALLEY GUTTER
N.T.S



MODIFIED TYPE "RA" CURB
(MOUNTABLE)
N.T.S

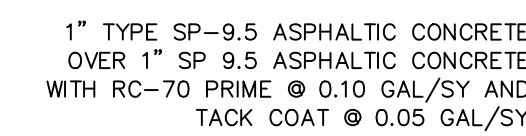


TYPICAL CART PATH SECTION

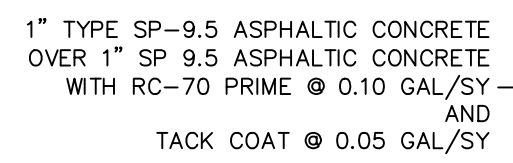


TYPICAL 6" SIDEWALK SECTION

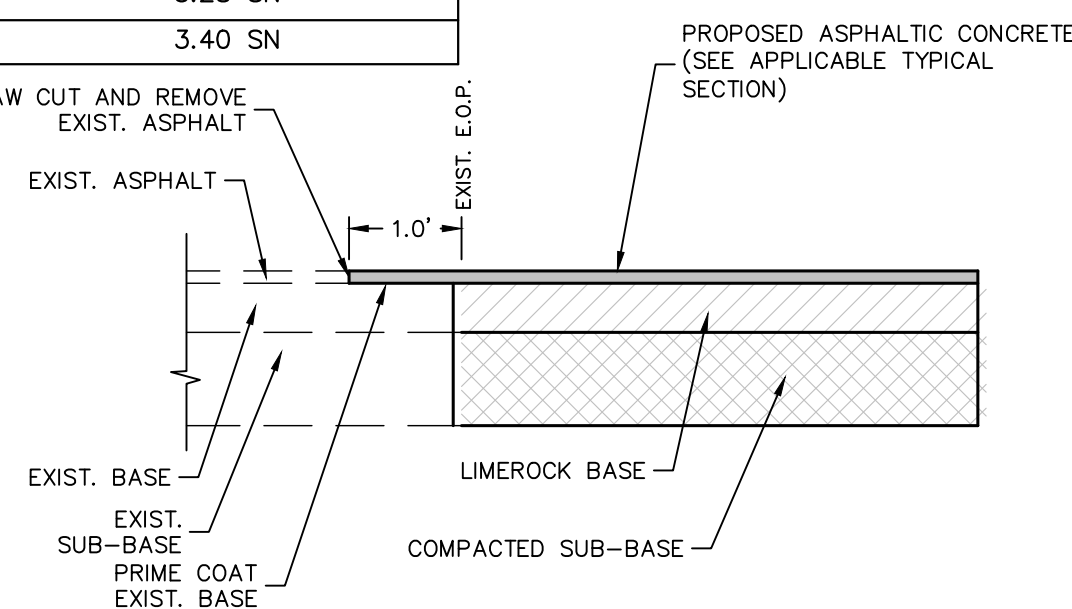
PAVEMENT SECTION STRUCTURAL CALCULATIONS				
PAVEMENT SECTION	SUBGRADE	BASE ROCK	ASPHALTIC CONCRETE	STRUCTURAL NO.
TYPICAL PAVEMENT SECTION	0.08 * 12" = 0.96 SN	0.18 * 8" = 1.44 SN	0.44 * 2" = 0.88 SN	3.28 SN
ALTERNATE PAVEMENT SECTION	0.00 * 12" = 0.00 SN	0.18 * 14" = 2.52 SN	0.44 * 2" = 0.88 SN	3.40 SN



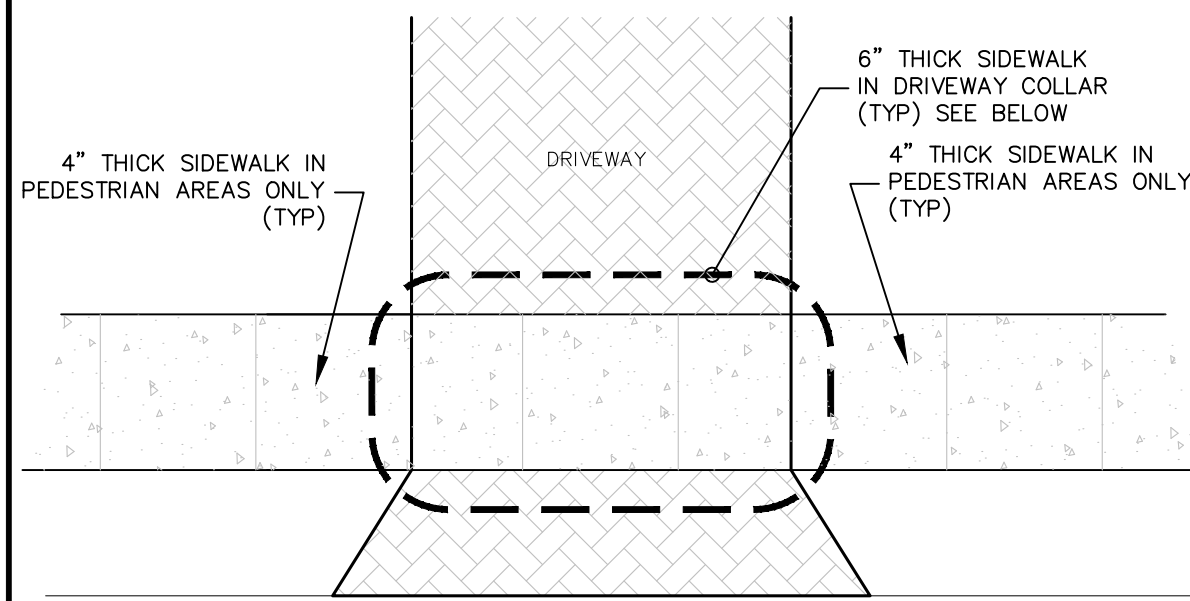
TYPICAL ASPHALTIC CONCRETE
PAVEMENT SECTION
N.T.S.



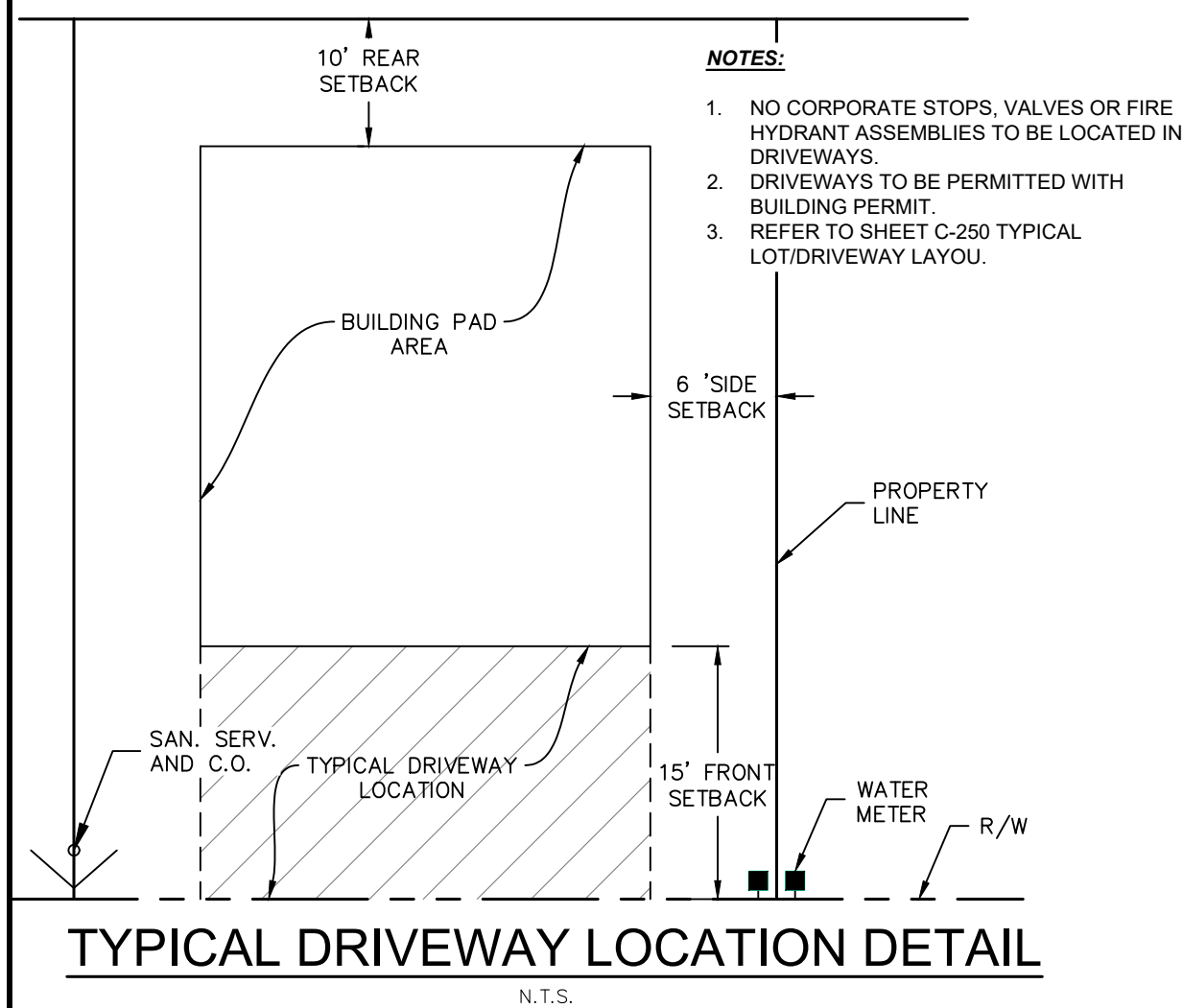
ALTERNATE ASPHALTIC CONCRETE
PAVEMENT SECTION
N.T.S.



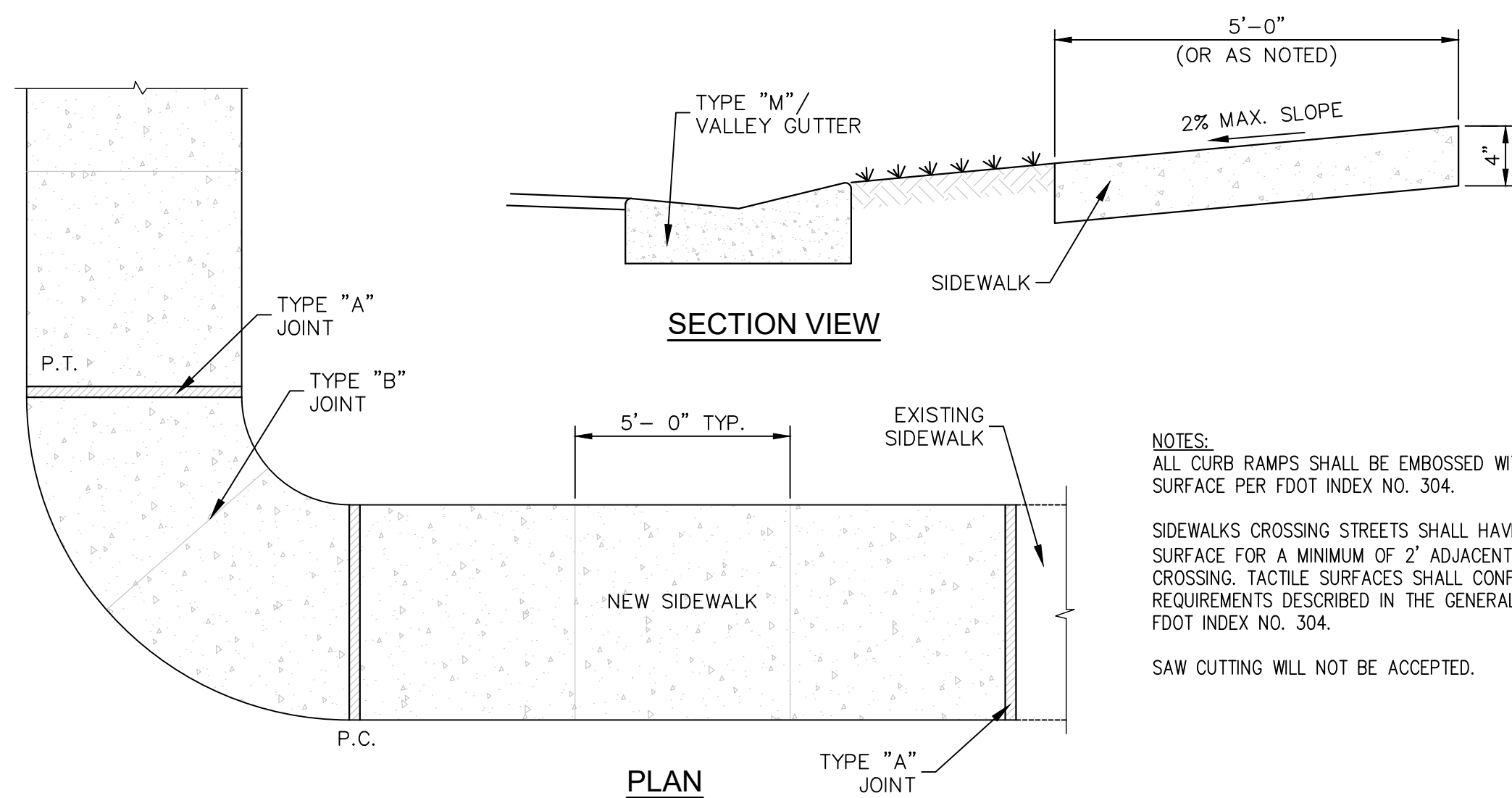
NEW ASPHALT PAVEMENT
TIE-IN TYPICAL SECTION
N.T.S.



TYPICAL 6" SIDEWALK SECTION



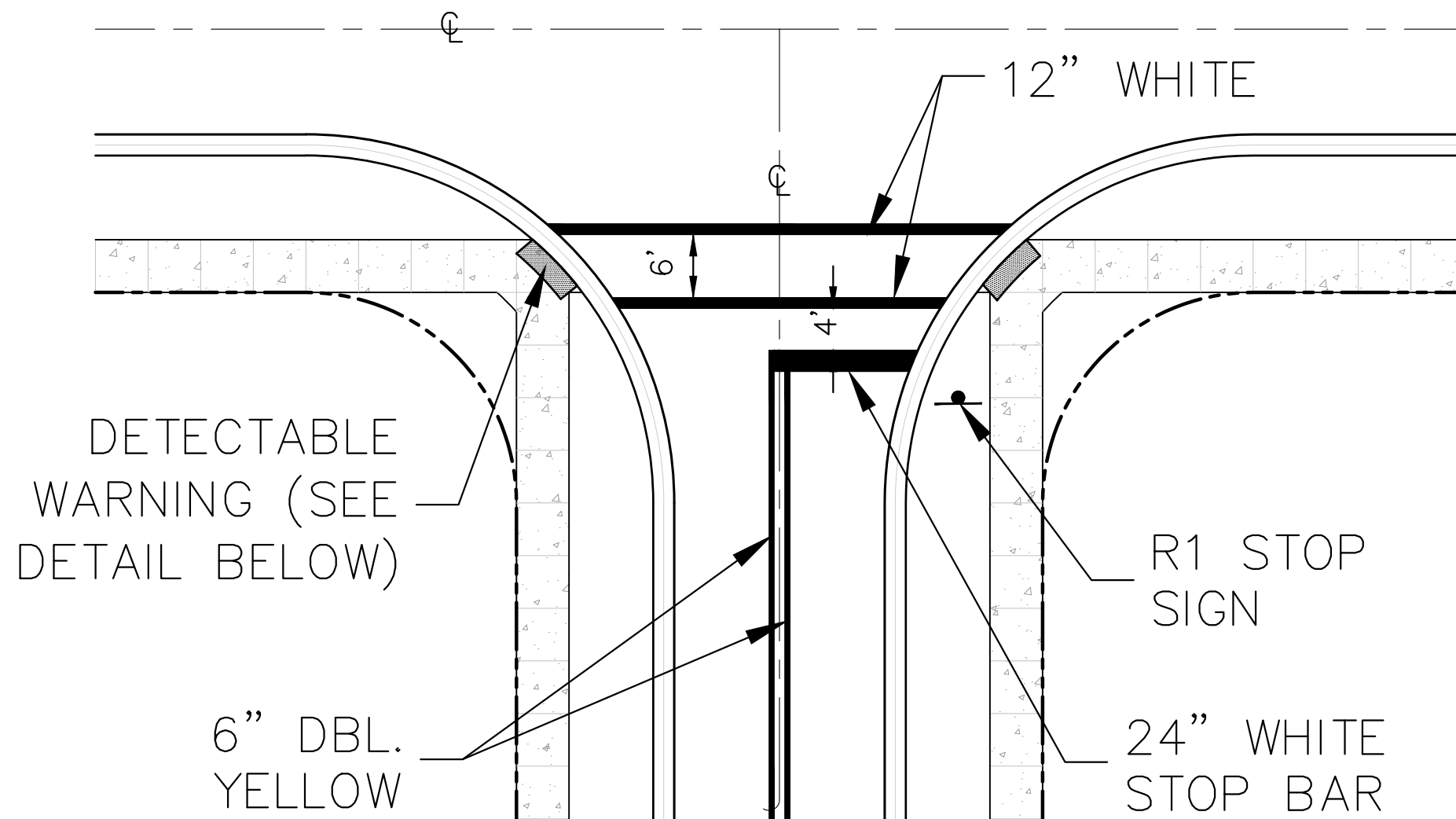
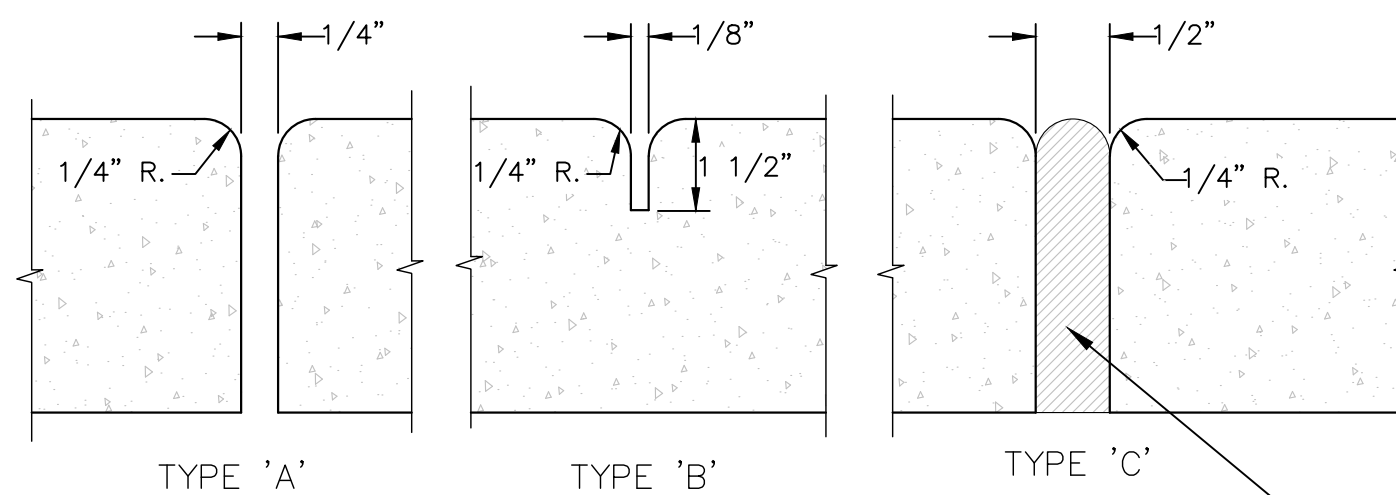
TYPICAL DRIVEWAY LOCATION DETAIL



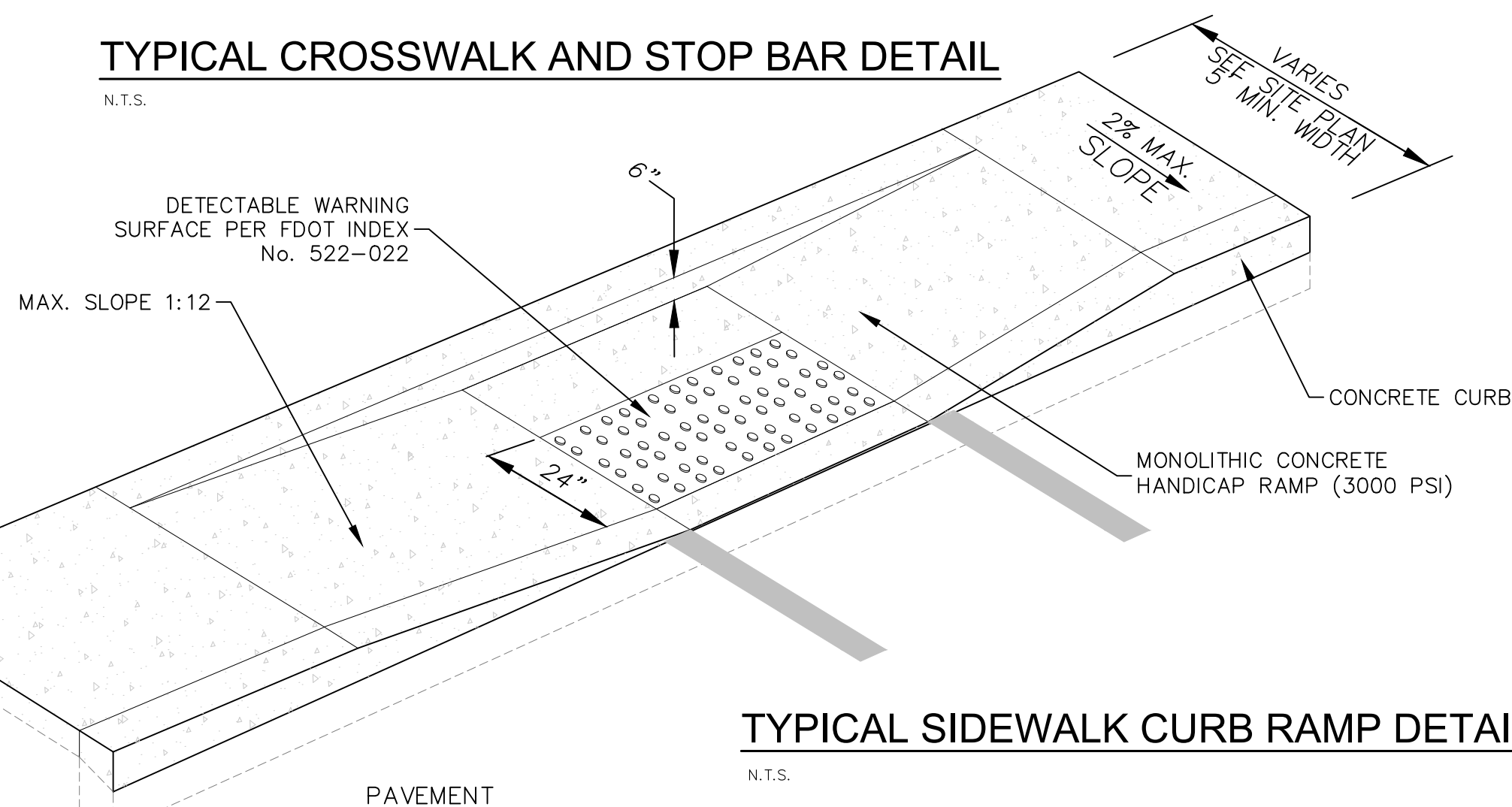
SIDEWALK JOINTS
SIDEWALK CONSTRUCTION
N.T.S.

TABLE OF SIDEWALK THICKNESS - 'T'	
LOCATION	'T'
RESIDENTIAL AREAS	4"
AT DRIVEWAYS AND OTHER AREAS	6"

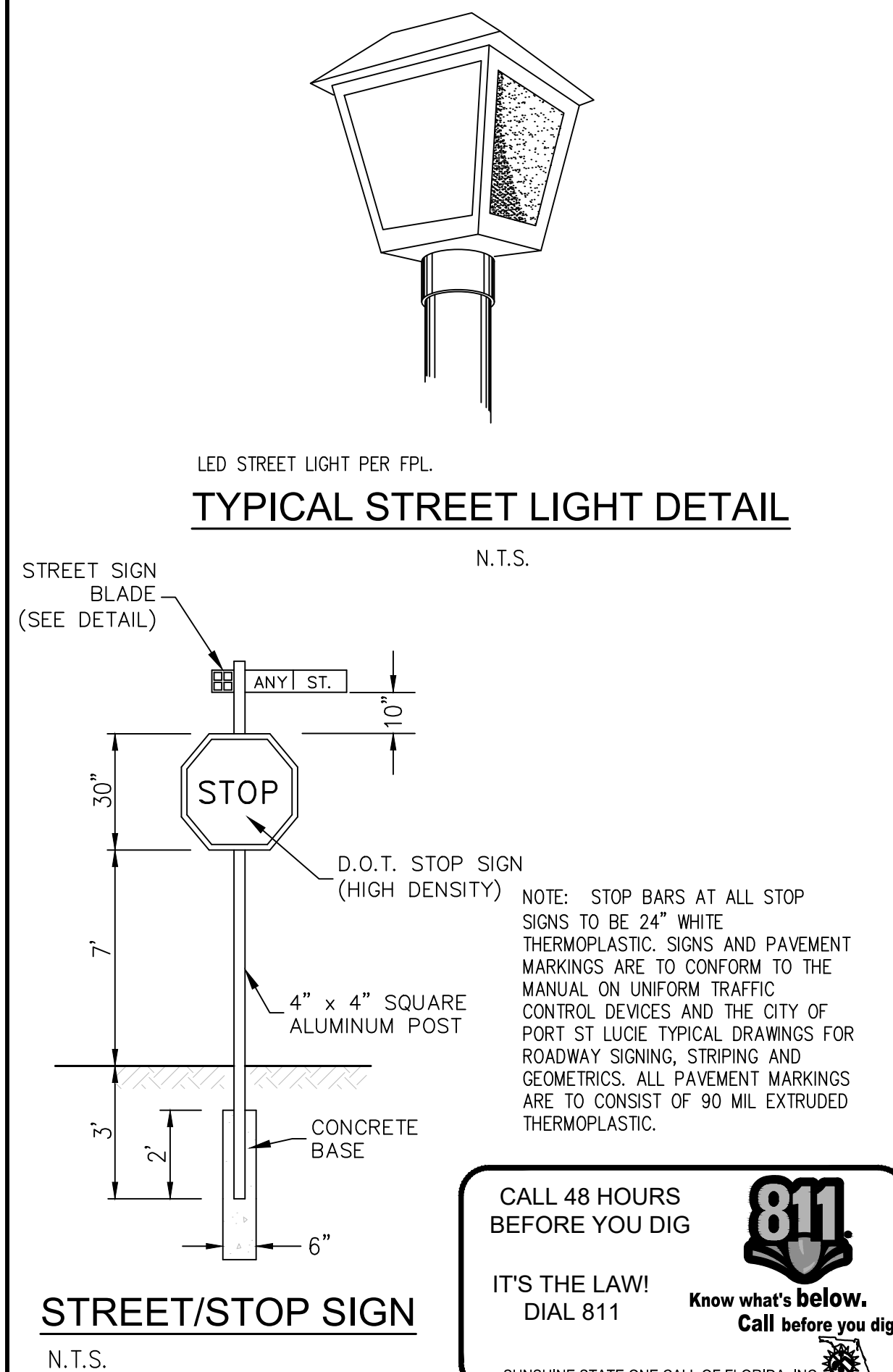
TYPE	LOCATION
'A'	P.C. AND P.T. OF CURVES.
'B'	5'- 0" CENTER TO CENTER ON SIDEWALKS. (NOT LESS THAN 4' AND NOT GREATER THAN 10')
'C'	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES. JUNCTION OF EXISTING AND NEW SIDEWALKS AT INTERVALS NOT GREATER THAN 100'.



TYPICAL CROSSWALK AND STOP BAR DETAIL



TYPICAL SIDEWALK CURB RAMP DETAIL





STREET/STOP SIGN
N.T.S.

**CALL 48 HOURS
BEFORE YOU DIG**

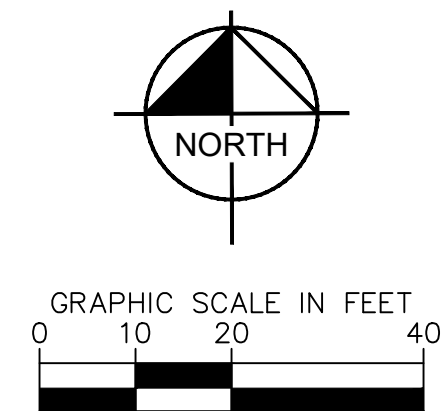
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VERTICAL DATUM
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GET THE NAVD '88 ELEVATION.



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88). SUBTRACT 1.60' FROM NAVD '89 ELEVATION TO
GET THE NAVD '88 ELEVATION.**

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

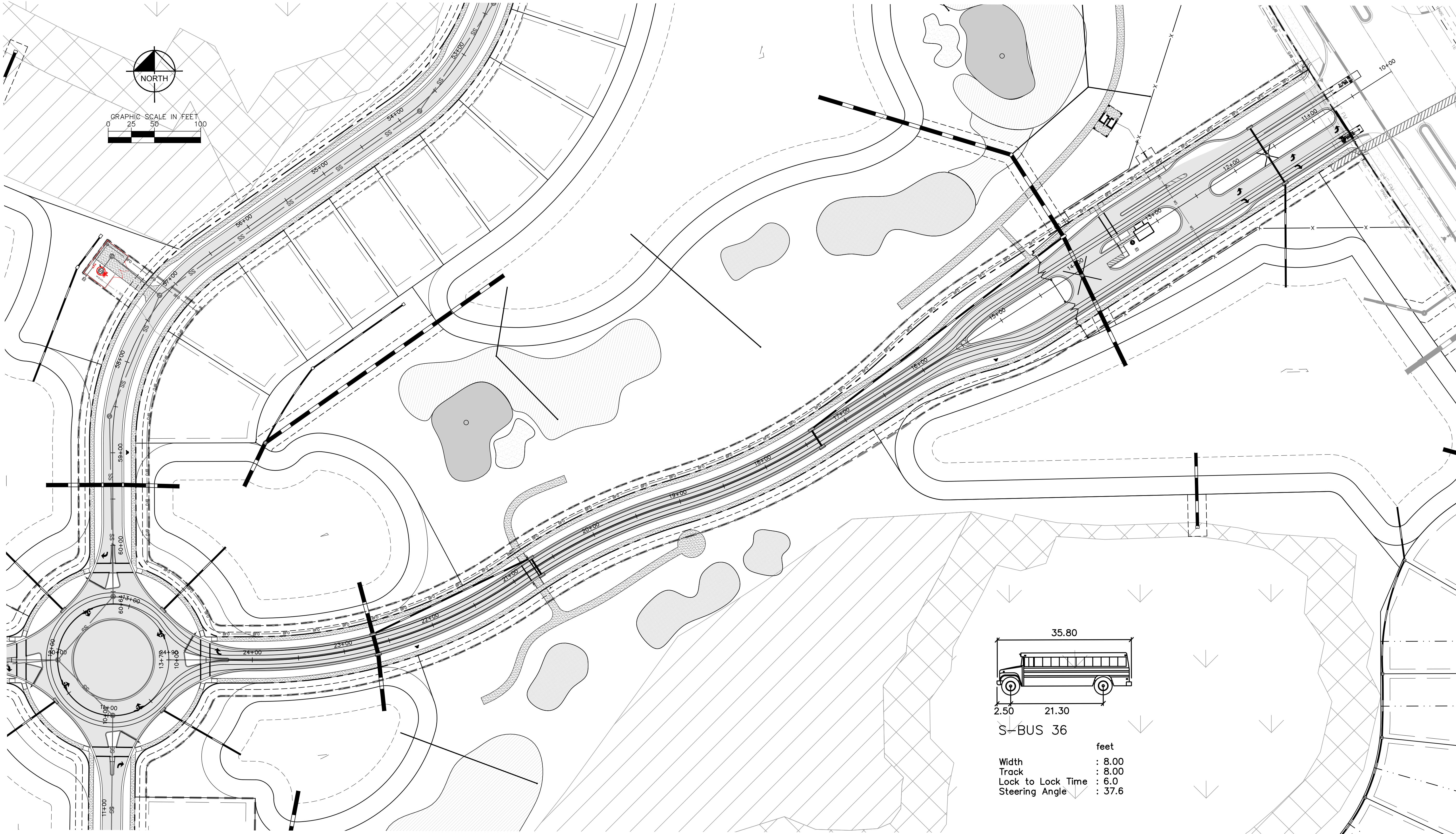
KHA PROJECT 147796002	LICENSED PROFESSIONAL
DATE 09/21/2022	KINAN F. HUSAINY, P.E.
SCALE AS SHOWN	FLORIDA LICENSE NUMBER 75481
DESIGNED BY JWK	
DRAWN BY JWK	
CHECKED BY KFH	DATE:

Kimley»Horn
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Plotted By: Harris, Jonny Sheet Set: LTIC RANCH - Pod 9 - L0904C-254 ENTRANCE AUTOTURN March 04, 2024 03:06:59pm K:\VRB-L0904C-254 ENTRANCE ROAD.dwg
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



AUTOTURN FROM ENTRANCE GATE TO ROUNDABOUT

PSLUSD PROJECT #
11-642-06

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

SHEET NUMBER
C-254

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WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
FLORIDA

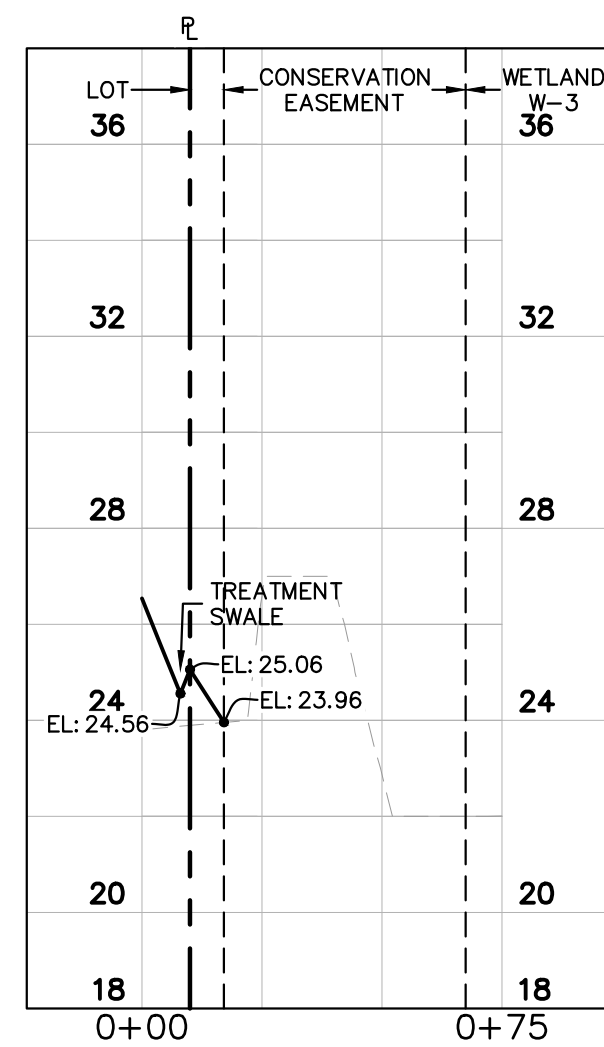
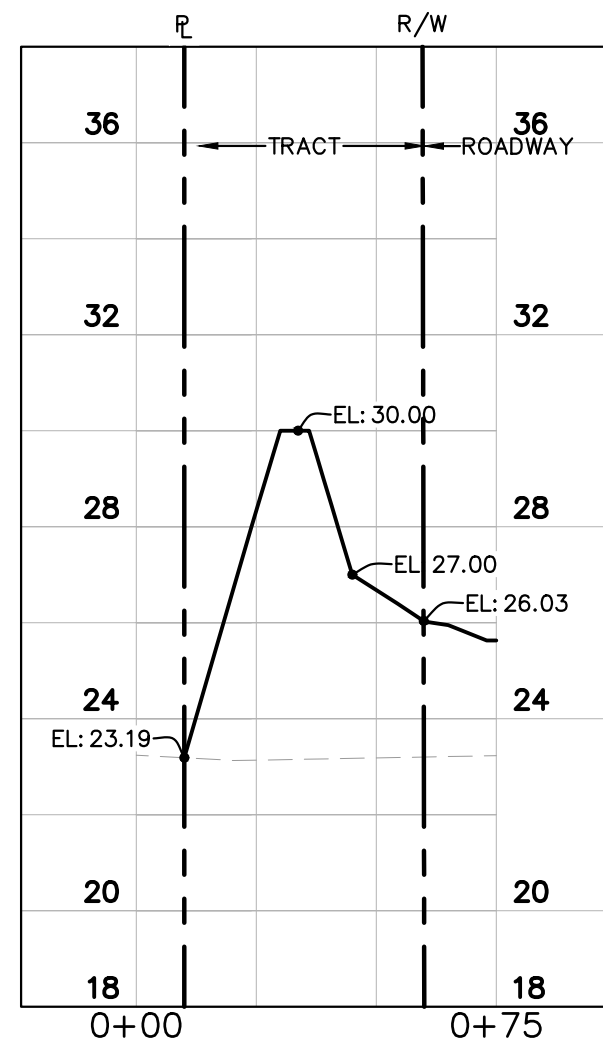
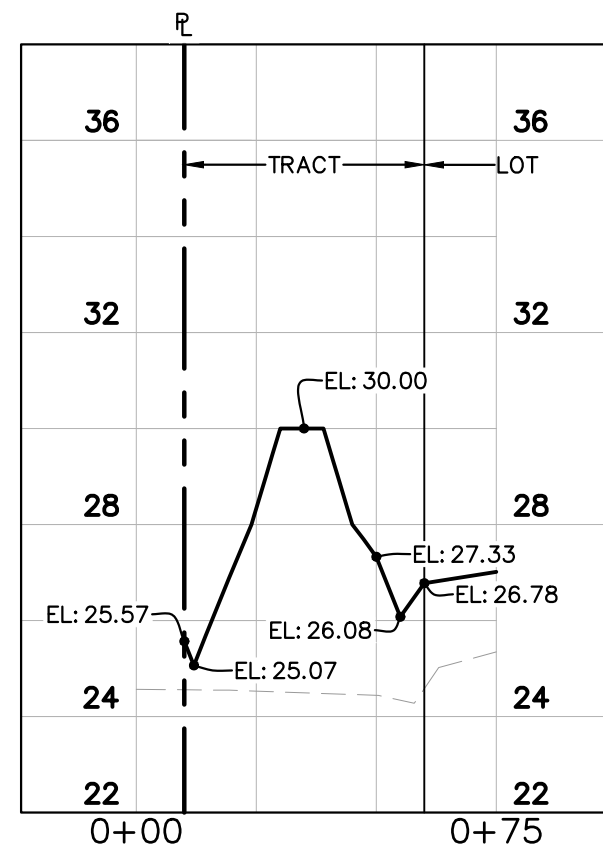
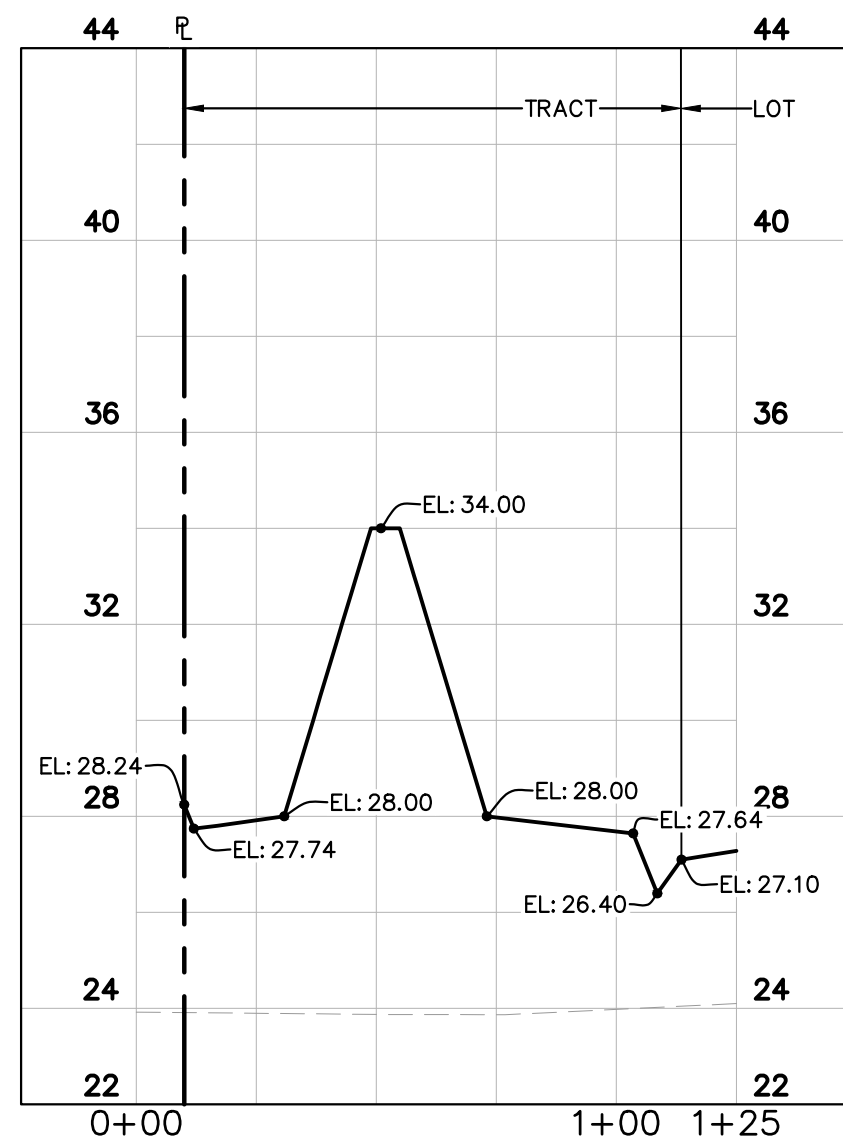
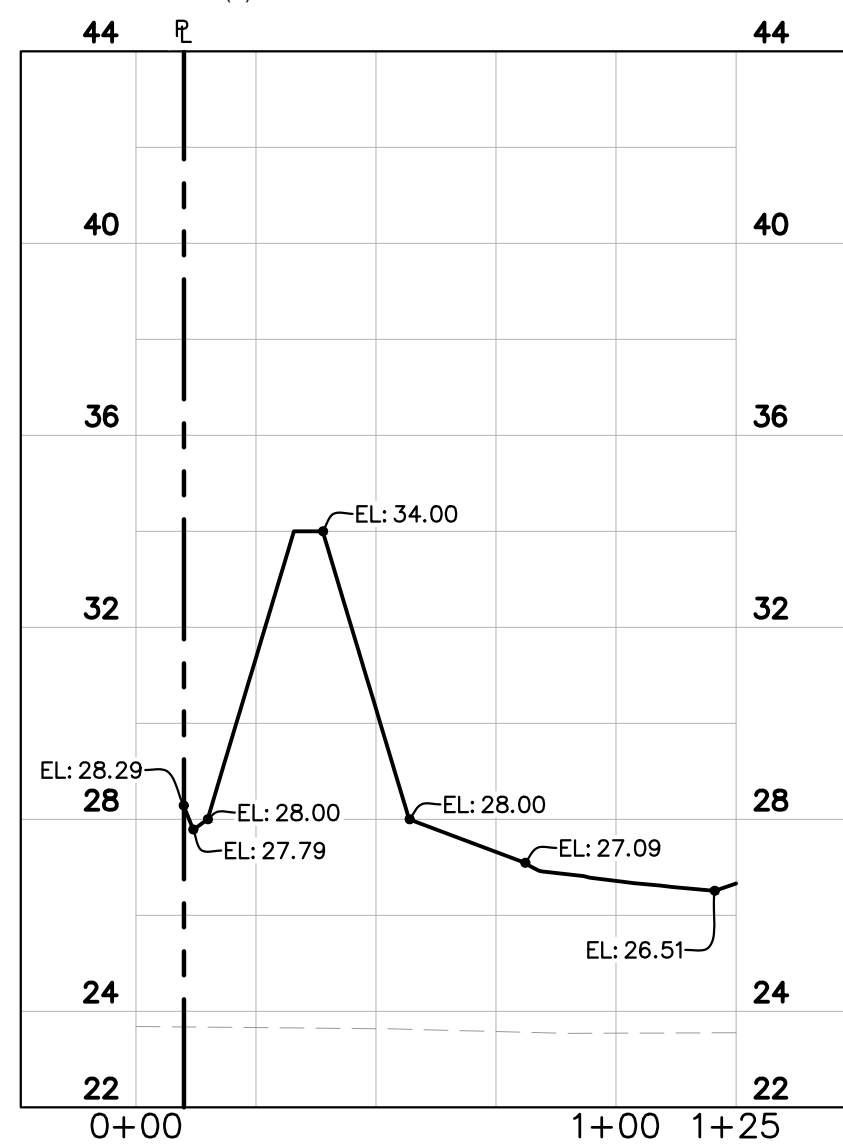
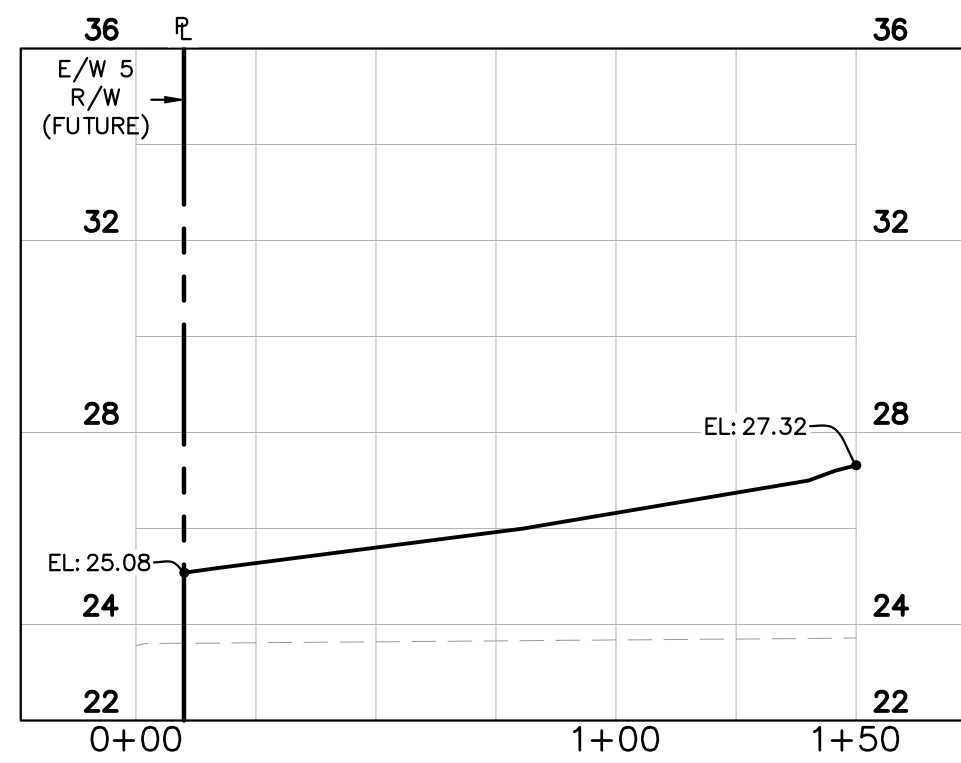
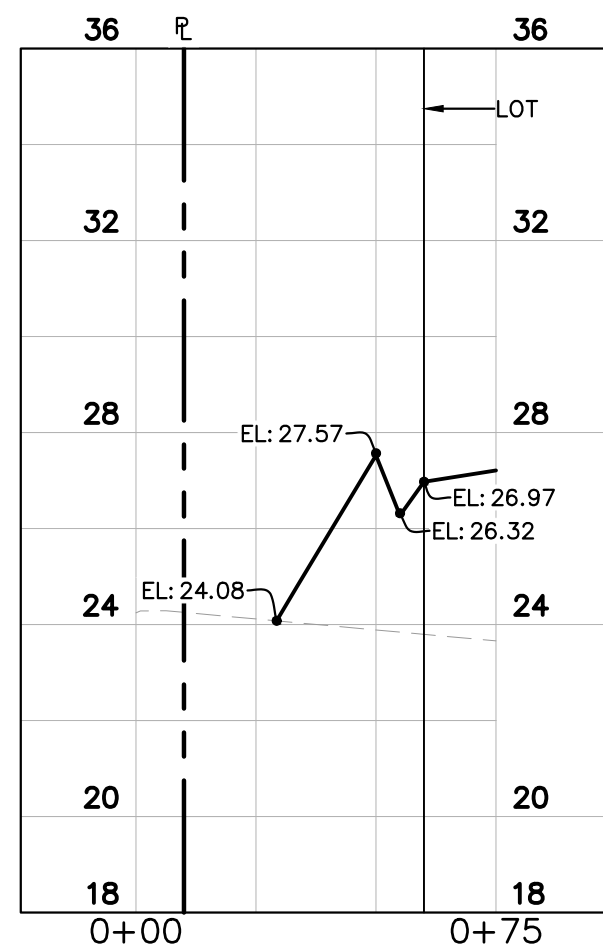
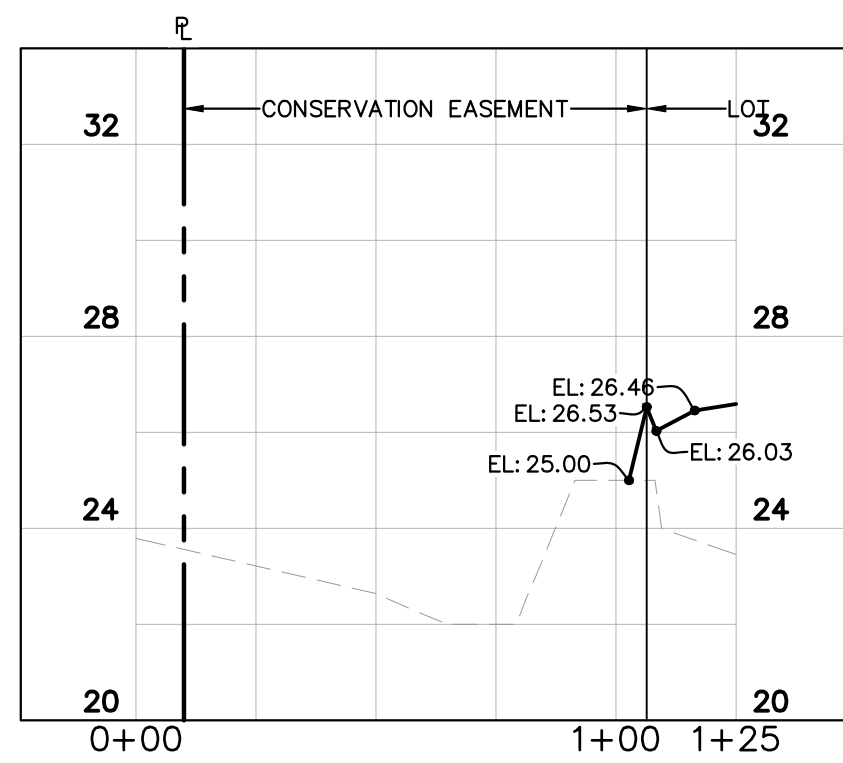
AUTOTURN PLAN

KHA PROJECT
147796002
DATE
09/21/2022
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

LICENSED PROFESSIONAL
KIMAN F. HUSINY, P.E.
FLORIDA LICENSE NUMBER
75481
DATE: _____

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LICENSED PROFESSIONAL

KINAN F. HUSAINY, P.E.

FLORIDA LICENSE NUMBER
75481

TE

KHA PROJECT

DATE _____

09/21/2022
09:15 AM CUBAN

DESIGNED BY JWK

DRAWN BY JWK

CHECKED BY KFH

CROSS SECTIONS

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PREPARED FOR
MIDWAY CITIES DEVELOPERS LLC

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SHEET NUMBER
C-260


PSLUSD PROJECT #
11-642-06

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

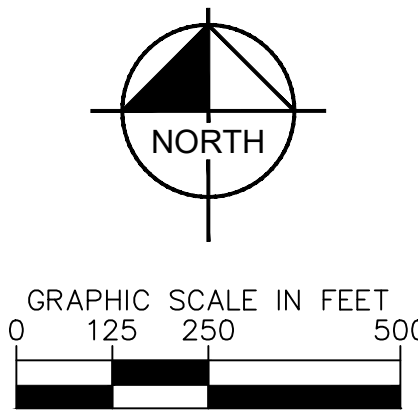
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'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION



SAMPLE POINT ID	ADJACENT SAMPLE POINT	DISTANCE
#01	#01A	1,186'
	#01B	734'
#01B	#02	1,031'
	#04	1,124'
#02	#22	1,044'
#03	#03A	625'
	#05	1,078'
#04	#05	1,122'
	#07	1,109'
#05	#06	1,166'
#06	#06A	678'
#06A	#03	584'
#07	#04	1,109'
#08	#04	1,110'
#09	#09A	688'
#10	#09	1,094'
#10A	#10	868'
	#11	964'
#11	#10	1,123'
	#12	1,170'
#12	#09A	755'
#13	#11	1,185'
	#13A	1,136'
#14	#11	1,163'
#15	#14	1,167'
#16	#15	1,001'
	#17	511'
#17	#17B	788'
#18	#17B	580'
#19	#19A	1,155'
	#21	1,163'
#20	#19	1,102'
	#22	1,019'
#21	#21A	785'
#21A	#13A	805'

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<div>OVERALL WATER AND SEWER PLAN</div>	KI
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	DES
	DRA
	CHECK


WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
FLORIDA

SHEET NUMBER
C-300


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DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

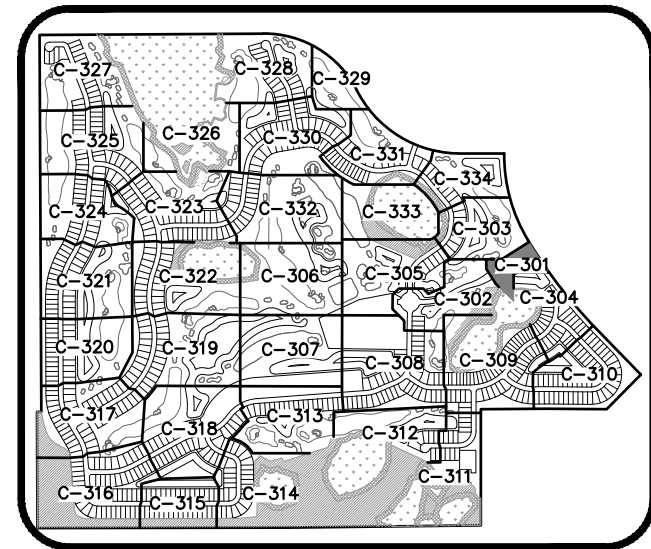


**Know what's below.
Call before you dig.**



VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION.

PSLUSD PROJECT # 11-642-06	CITY OF PORT ST. LUCIE PROJECT # P22-301 / P23-153
--------------------------------------	--



UTILITY LEGEND

- UTILITY NOTES:

- VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION.

VALVE TABLE

PLAN ID	SIZE (IN.)	TYPE	FLUID	MANUFACTURER	MODEL	DATE SET	# TURNS	PSLUSD #
#1	8"	TAPPING GATE VALVE	WATER					
#2	8"	GATE VALVE	WATER					
#3A	6"	TAPPING GATE VALVE	WASTE-WATER					
#3B	6"	GATE VALVE	WASTE-WATER					
#3C	1.25"	UNI-LATERAL UNIT VALVE	WASTE-WATER					
#4	2"	GATE VALVE	WATER					
#F1	6"	GATE VALVE	WATER					

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

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24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 696

SCALE	AS SHOWN
DESIGNED BY	JWK
DRAWN BY	JH

WYLDER
POD 9

PREPARED FOR

MIDWAY GLADES DEVELOPMENT LLC

SHEET NUMBER
C-301

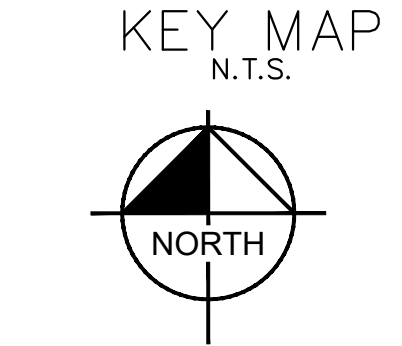
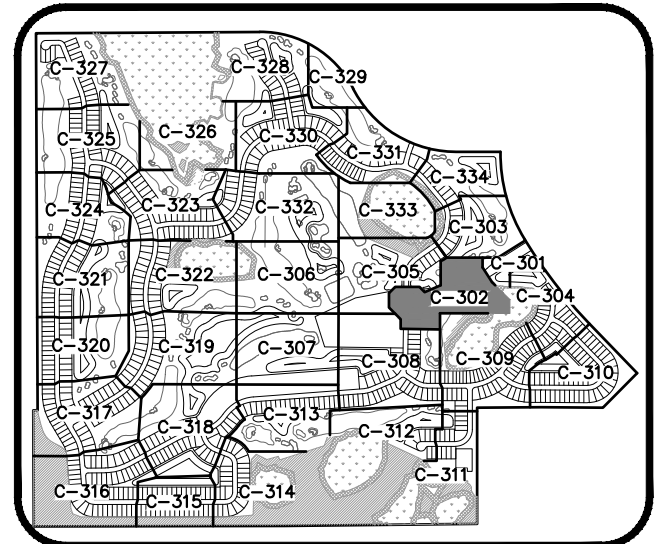
Plotted By: Harris, Jonny Sheet Set: LDC RANCH - Pod 9 Layout: C-302 WS March 04, 2024 05:27:30pm K:\VRE-LDCA\T0 RANCH - Pod 9\CAD\PlanSheets\C-301 WS PLAN - EAST.dwg
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

UTILITY NOTES:

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON THE PLANS:
8" PVC SDR26 PER ASTM D 3034 DEPTHS LESS THAN 15'
8" PVC C900 FOR DEPTHS GREATER THAN 15'
- WATER LINES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON PLANS:
4" TO 12", PVC C-900, DR-18 (PRESSURE CLASS 235)
14" AND LARGER, PVC C-905 (PRESSURE CLASS 235)
- MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS AND RESTRAINED AS REQUIRED BY THE CITY OF PORT ST. LUCIE.
- ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 36" COVER ON ALL WATERLINES AND FORCEMAINS.
- CROSSINGS AND CONFLICTS MUST BE PER CITY OF PSL SPECIFICATIONS. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 COMPRESSION STRENGTH AT 3000 P.S.I.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES (CITY OF PORT ST. LUCIE) WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320 FAC.
- VALVES ARE NOT TO BE PLACED IN CURBS, SIDEWALKS, OR DRIVEWAYS.
- ALL MANHOLES SHALL BE ADJUSTED TO FINAL GRADE PRIOR TO BEGINNING PAVING.
- DRIVEWAY APRON IS SHOWN FOR REFERENCE ONLY. DRIVEWAYS ARE TO BE CONSTRUCTED AND PERMITTED AS PART OF THE BUILDING PERMIT PROCESS.
- EACH PULL BOX MUST HAVE A MIN. 50' OF SLACK OF FIBER OPTIC CABLE PER CITY SPEC.
- EACH SPLICE BOX MUST HAVE A MIN. 100' OF SLACK OF FIBER OPTIC CABLE PER CITY SPEC.
- TRACER WIRE MUST BE INSTALLED PER CITY SPEC./OPL.
- THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICK UP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROPERTY 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).
- ALL VALVES ARE TO BE LOCATED OUTSIDE OF SIDEWALKS AND CURBS.
- THE FINAL LOCATION OF ARYS SHALL BE DETERMINED IN THE FIELD AND BE LOCATED AT THE HIGH POINT.

UTILITY LEGEND

- FM PROPOSED FORCE MAIN
- WM PROPOSED WATER MAIN
- WS PROPOSED WATER SERVICE
- IRR PROPOSED IRRIGATION MAIN
- PROPOSED GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED SINGLE WATER SERVICE (1" LINE W/ 5/8" METER UNLESS OTHERWISE NOTED) (P.O.S.)
- PROPOSED DOUBLE WATER SERVICE (1.5" LINE W/ (2) 5/8" METERS UNLESS OTHERWISE NOTED) (P.O.S.)
- PROPOSED SINGLE SEWER SERVICE W/ CO (P.O.S)
- PROPOSED DOUBLE SEWER SERVICE W/ CO (P.O.S.)
- PROPOSED SANITARY MANHOLE
- SS PROPOSED SANITARY SEWER
- PROPOSED WATER CAP
- PROPOSED TEE
- PROPOSED CROSS
- C.O.P.S.L. = CITY OF PORT ST. LUCIE
- PROPOSED LIGHT POLE
- BFO BURIED FIBER OPTIC LINE
- BFO BURIED FIBER OPTICS SPLICE BOX



MATCHLINE
SEE SHEET C-305

MATCHLINE
SEE SHEET C-303

MATCHLINE
SEE SHEET C-301

MATCHLINE
SEE SHEET C-305

MATCHLINE
SEE SHEET C-309

MATCHLINE
SEE SHEET C-308

VALVE TABLE							
PLAN ID	SIZE (IN.)	TYPE	FLUID	MANUFACTURER	MODEL	DATE SET	PSLUSD #
#5	8"	GATE VALVE	WATER				
#6	6"	GATE VALVE	WASTE-WATER				
#F2	6"	GATE VALVE	WATER				
#7	8"	GATE VALVE	WATER				
#8	8"	GATE VALVE	WATER				
#9	8"	GATE VALVE	WATER				
#10	8"	GATE VALVE	WATER				

CALL 48 HOURS
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DIAL 811

811
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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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CITY OF PORT ST. LUCIE PROJECT #

P22-301 / P23-153

PSLUSD PROJECT #
11-642-06

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 696

LICENSED PROFESSIONAL
KIMAN F. HUSAINY, P.E.
FLORIDA LICENSE NUMBER
75481

KHA PROJECT
147796002
DATE
09/21/2022
SCALE AS SHOWN
DESIGNED BY JWK
DRAWN BY JH
CHECKED BY KFH

**WATER AND SEWER
PLANS**

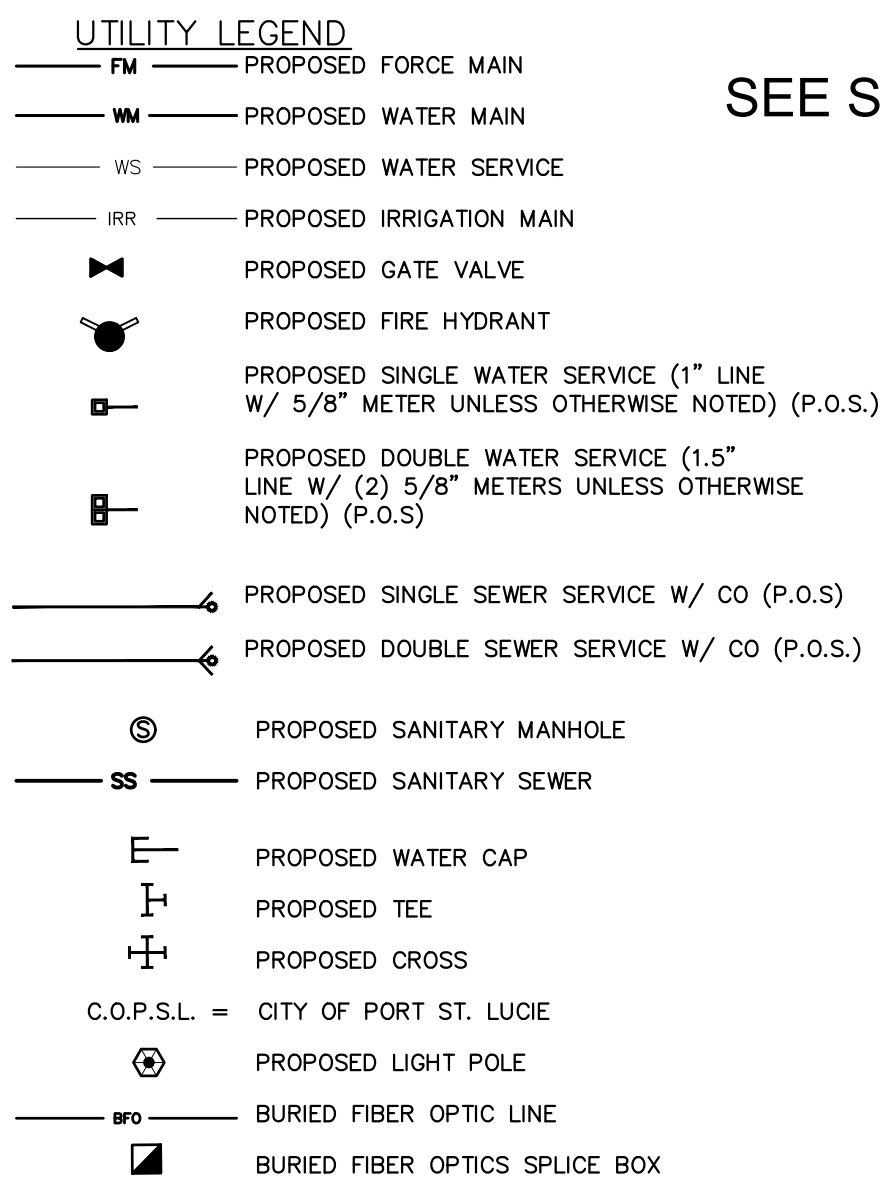
**WYLDER
POD 9**

PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC

FLORIDA
PORT ST. LUCIE

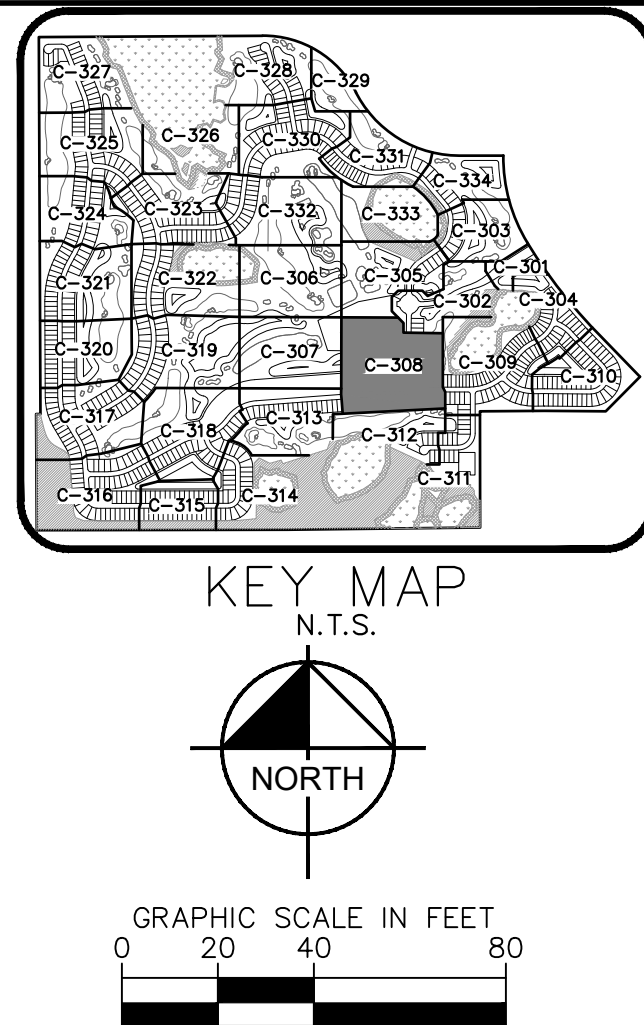
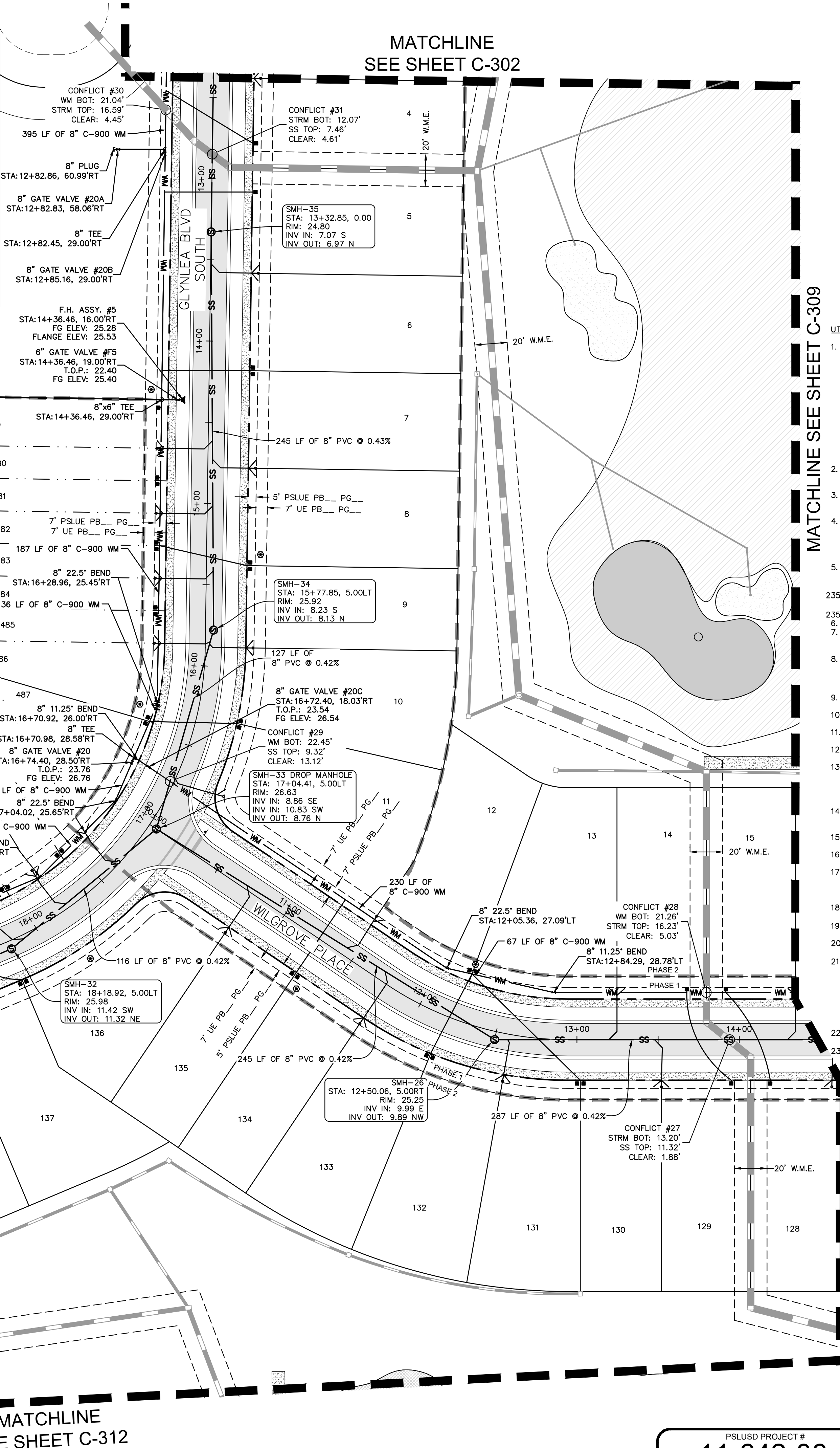
SHEET NUMBER
C-302

REVISIONS
No. DATE BY



SEE SHEET C-305

PLAN ID	SIZE (IN.)	TYPE	FLUID	MANUFACTURER	MODEL	DATE SET	# TURNS	PSLUSION
#11	8"	GATE VALVE	WATER					
#12	8"	GATE VALVE	WATER					
#19B	8"	GATE VALVE	WATER					
#19C	8"	GATE VALVE	WATER					
#20	8"	GATE VALVE	WATER					
#20A	8"	GATE VALVE	WATER					
#20B	8"	GATE VALVE	WATER					
#20C	8"	GATE VALVE	WATER					
#F5	6"	GATE VALVE	WATER					
#F11	6"	GATE VALVE	WATER					



- UTILITY NOTES:
1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, FIELD SURVEYS. HOWEVER, IN THE FIELD, THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRELATE ALL UTILITIES INFORMATION TO AVOID CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 2. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
 3. CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES INSPECTORS AT LEAST 72 HOURS BEFORE CONNECTING TO AN EXISTING LINE.
 4. SANITARY SEWER PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON THE PLANS:
 - a. 8" PVC SDR26 PER ASTM D 3034 DEPTH LESS THAN 15'
 - b. 8" PVC C900 FOR DEPTHS GREATER THAN 15'
 5. WATER LINES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON THE PLANS:
 - a. 12" TO 14" PVC C-900, DR-18 (PRESSURE CLASS 150)
 - b. 14" AND LARGER, PVC C-905 (PRESSURE CLASS 250)
 6. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
 7. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS AND RESTRAINED AS REQUIRED BY THE CITY OF LUCIE.
 8. ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
 9. ALL CURBS SHALL MAINTAIN A MINIMUM OF 36" COVER ON ALL WATERLINES AND FOREMAINS. CROSSINGS AND CONFLICTS MUST BE PER CITY OF PSL SPECIFICATIONS.
 10. ALL UNDERGROUNDS SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 4000 P.S.I. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES (CITY OF PORT ST. LUCIE) WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
 11. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 627-585.320 FAC.
 12. VALVES ARE NOT TO BE PLACED IN CURBS, SIDEWALKS, OR DRIVEWAYS.
 13. ALL MANHOLES SHALL BE ADJUSTED TO FINAL GRADE PRIOR TO BEGINNING PAVING.
 14. DRIVEWAY APRON IS SHOWN FOR REFERENCE ONLY. DRIVEWAYS ARE TO BE CONSTRUCTED AND PERMITTED AS PART OF THE BUILDING PERMIT PROCESS.
 15. EACH PULL BOX MUST HAVE A MIN. 50' OF SLACK OF FIBER OPTIC CABLE PER CITY SPEC.
 16. EACH PULL BOX MUST BE INSTALLED PER CITY SPEC. TRACER WIRE MUST BE INSTALLED PER CITY SPEC./QPL.
 17. THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICK UP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE CITY LIMITS. THE CITY IS RESPONSIBLE FOR MAINTENANCE OF THE AREA FORM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY ORDINANCE SECTION 10-10.
 18. ALL VALVES ARE TO BE LOCATED OUTSIDE OF SIDEWALKS AND CURBS.
 19. THE FINAL LOCATION OF ARV'S SHALL BE DETERMINED IN THE FIELD AND BE LOCATED AT THE HIGH POINT.

CALL 48 HOURS
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DIAL 811


811

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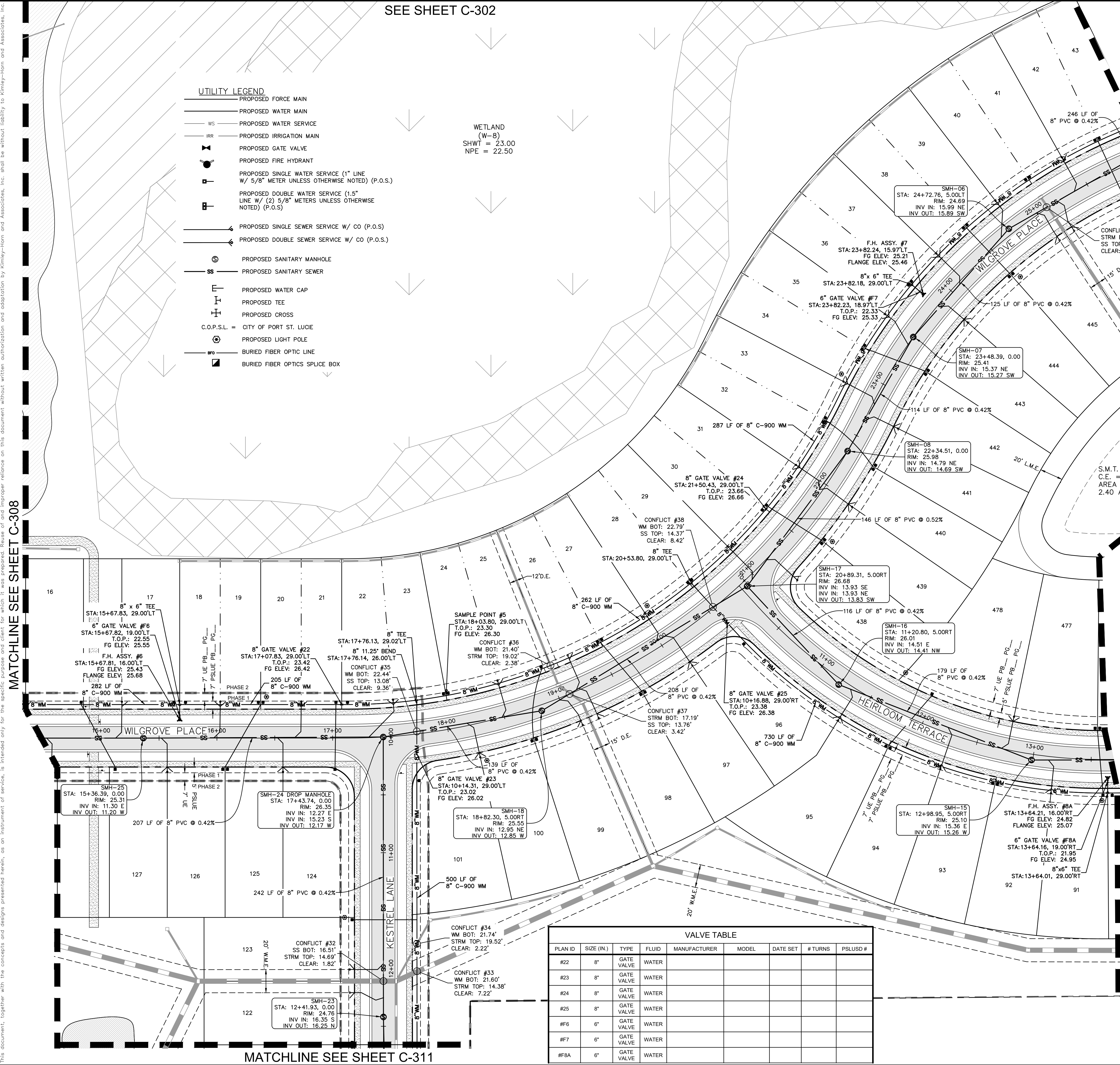
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PSLUSD PROJECT #
11-642-06

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

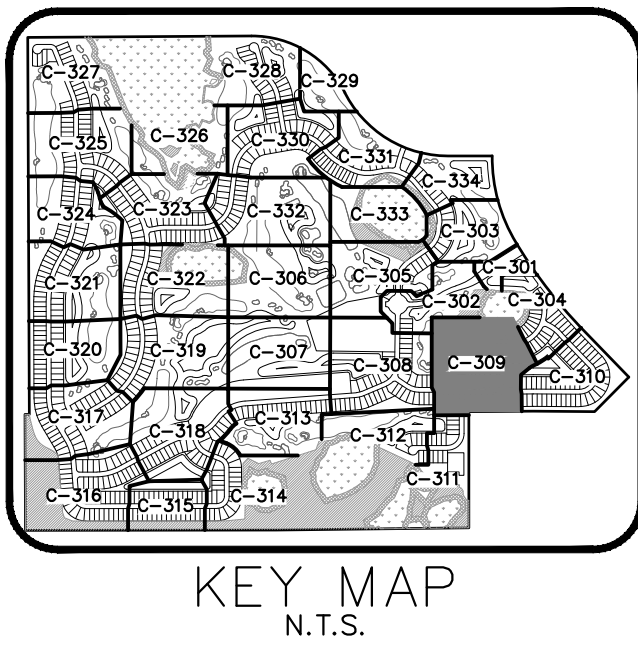
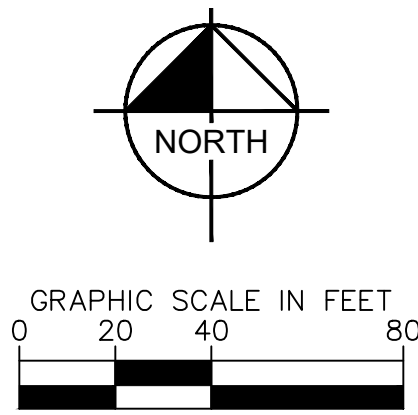
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WYLDER POD 9 PREPARED FOR MIDWAY GRADES DEVELOPERS, LLC		FLORIDA	
PORT ST. LUCIE		WATER AND SEWER PLANS	
KHA PROJECT 147796002	DATE 09/21/2022	LICENSED PROFESSIONAL	
SCALE AS SHOWN	DESIGNED BY JWK	KINAN F. HUSAINY, P.E.	
DRAWN BY JH	CHECKED BY KFH	FLORIDA LICENSE NUMBER 75481	
DATE:		 © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960 PHONE: 772-794-4100 WWW.KIMLEY-HORN.COM REGISTRY NO. 696	
No.		REVISIONS	
BY		DATE	

Plotted By: J. Harris, Jonny Sheet Set: LUCIE RANCH - Pod 9 - LUCIE C-309 WS March 04, 2024 03:11:46pm K:\VRB-LOE\VC RANCH - Pod 9\ACAD\PlanSheets\C-308 WS PLAN - SOUTHEAST.dwg
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- UTILITY LEGEND**
- PROPOSED FORCE MAIN
 - PROPOSED WATER MAIN
 - WS - PROPOSED WATER SERVICE
 - IRR - PROPOSED IRRIGATION MAIN
 - PROPOSED GATE VALVE
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 - PROPOSED SINGLE WATER SERVICE (1" LINE W/ 5/8" METER UNLESS OTHERWISE NOTED) (P.O.S.)
 - PROPOSED DOUBLE WATER SERVICE (1.5" LINE W/ (2) 5/8" METERS UNLESS OTHERWISE NOTED) (P.O.S.)
 - PROPOSED SINGLE SEWER SERVICE W/ CO (P.O.S.)
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 - PROPOSED SANITARY MANHOLE
 - SS - PROPOSED SANITARY SEWER
 - PROPOSED WATER CAP
 - PROPOSED TEE
 - PROPOSED CROSS
 - C.O.P.S.L. = CITY OF PORT ST. LUCIE
 - PROPOSED LIGHT POLE
 - BURIED FIBER OPTIC LINE
 - BURIED FIBER OPTICS SPICE BOX

WETLAND
(W-8)
SHWT = 23.00
NPE = 22.50



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VALVE TABLE						
PLAN ID	SIZE (IN.)	TYPE	FLUID	MANUFACTURER	MODEL	DATE SET
#22	8"	GATE VALVE	WATER			
#23	8"	GATE VALVE	WATER			
#24	8"	GATE VALVE	WATER			
#25	8"	GATE VALVE	WATER			
#F6	6"	GATE VALVE	WATER			
#F7	6"	GATE VALVE	WATER			
#F8A	6"	GATE VALVE	WATER			

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL

KIMAN F. HUSINY, P.E.

FLORIDA LICENSE NUMBER 75481

KHA PROJECT 147796002

DATE 09/21/2022

SCALE AS SHOWN

DESIGNED BY JWK

DRAWN BY JH

CHECKED BY KFH

DATE: _____

WATER AND SEWER PLANS

WYLDER POD 9

PREPARED FOR MIDWAY GLADES DEVELOPERS, LLC

PORT ST. LUCIE FLORIDA

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

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VERTICAL DATUM ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO GET THE NAVD '88 ELEVATION.

PSLUSD PROJECT # 11-642-06

CITY OF PORT ST. LUCIE PROJECT # P22-301 / P23-153

SHEET NUMBER C-309

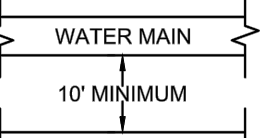
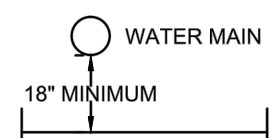
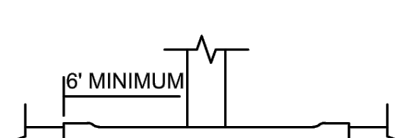
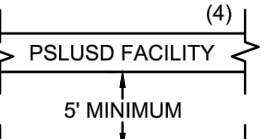
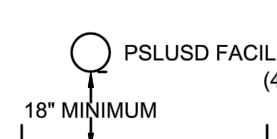

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MINIMUM CONSTRUCTION STANDARDS FOR
CITY OF PORT ST. LUCIE
900 S.E. OGDEN LANE
PORT ST. LUCIE, FL 34983
PHONE (772) 873-6400 FAX (772) 873-6433

STANDARD SEPARATION
REQUIREMENTS

DETAIL: G-01
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 1

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	-----	-----

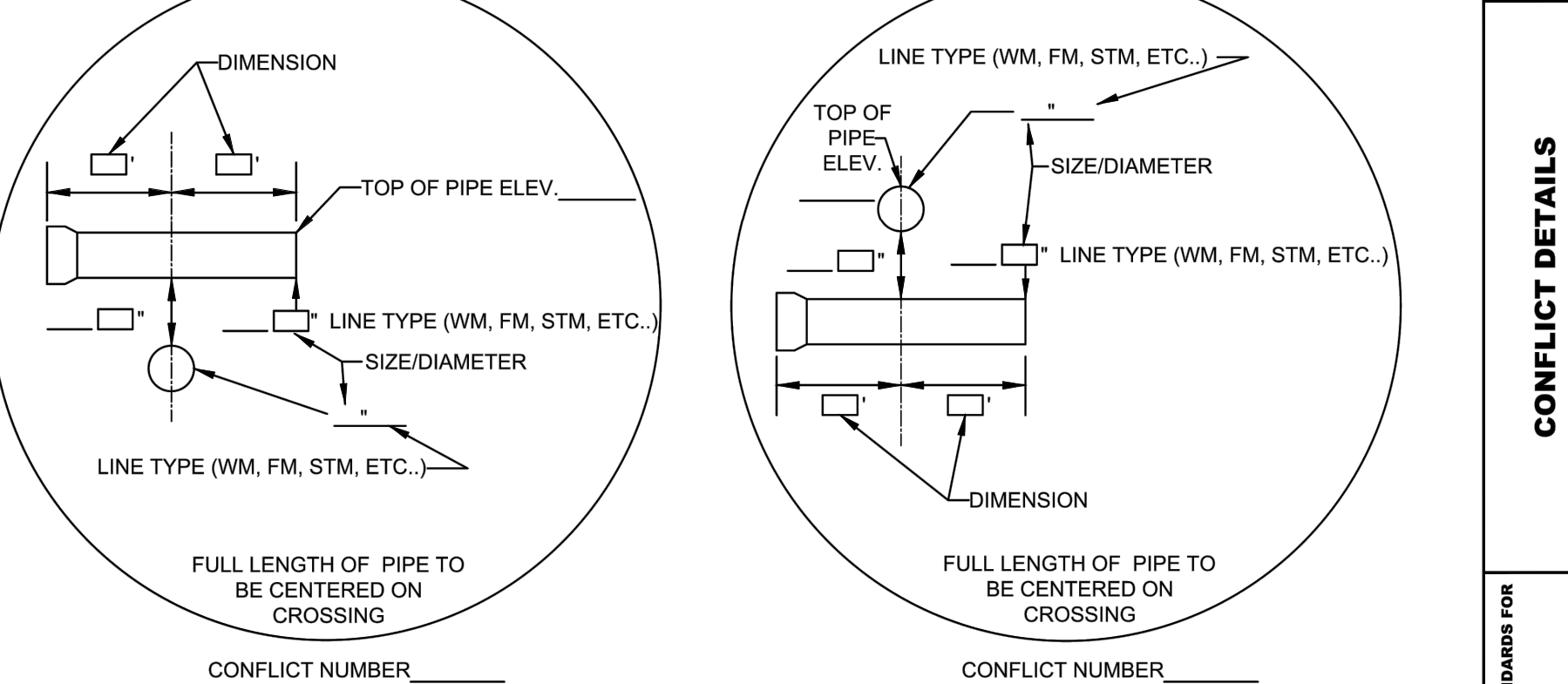
(1) WATER MAIN SHOULD CROSS OVER OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 18".
(2) RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(3) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(4) A PSLUSD FACILITY INCLUDES MAINS 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


CONFLICT DETAILS

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



CONFLICT NUMBER _____

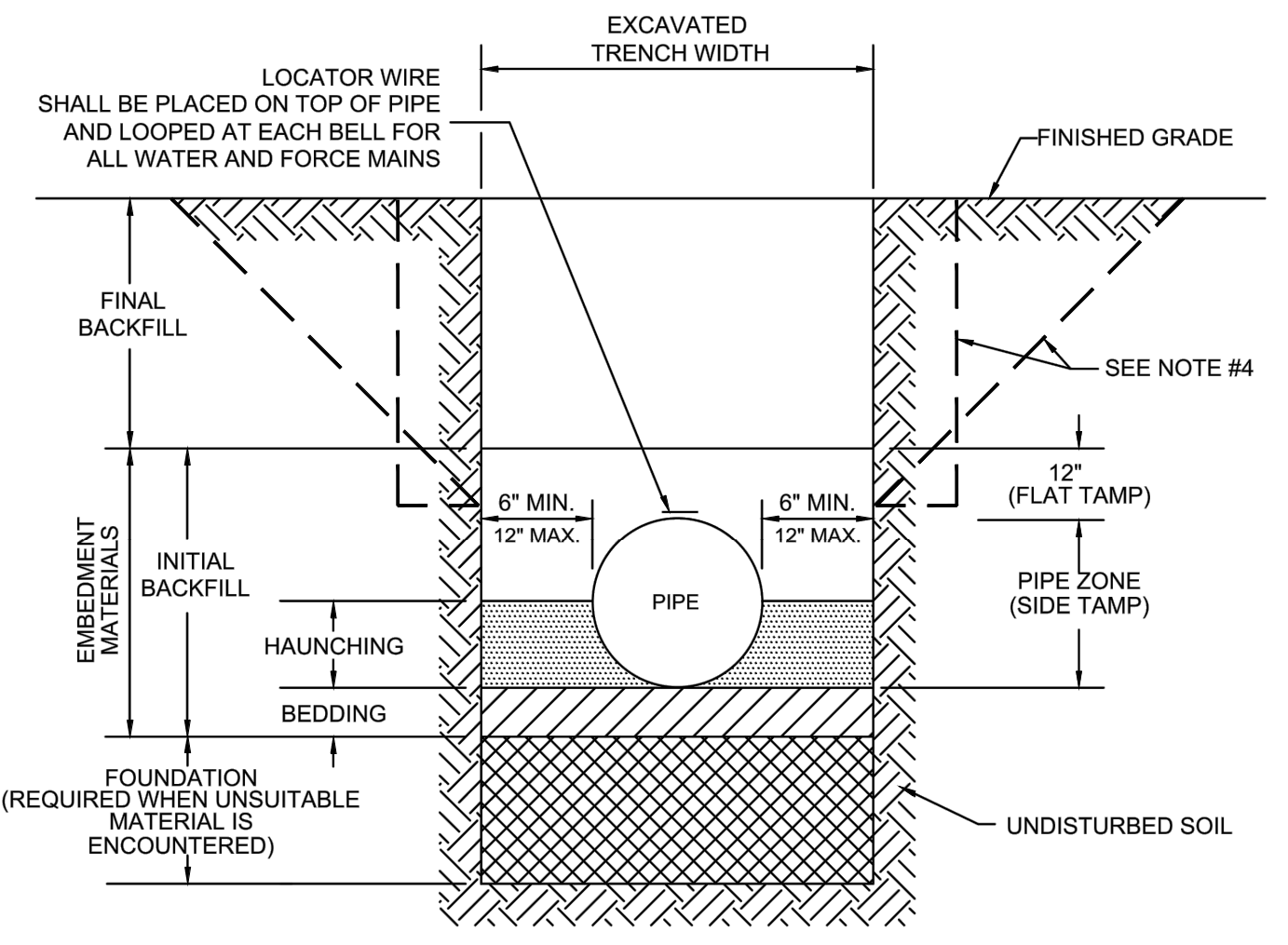
NOTES:
1. DESIGN PLAN INFORMATION ON THE BLANK LINE.
2. RECORD DRAWING INFORMATION IN THE BOX.
3. CONFLICTS MUST BE IN NUMERICAL SEQUENCE (1, 2, 3, ETC...)
4. MUST MEET PSLUSD STANDARD SEPARATION REQUIREMENTS OF 18" MIN.




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STANDARD PIPE TRENCH CROSS
SECTION

DETAIL: G-04
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 1



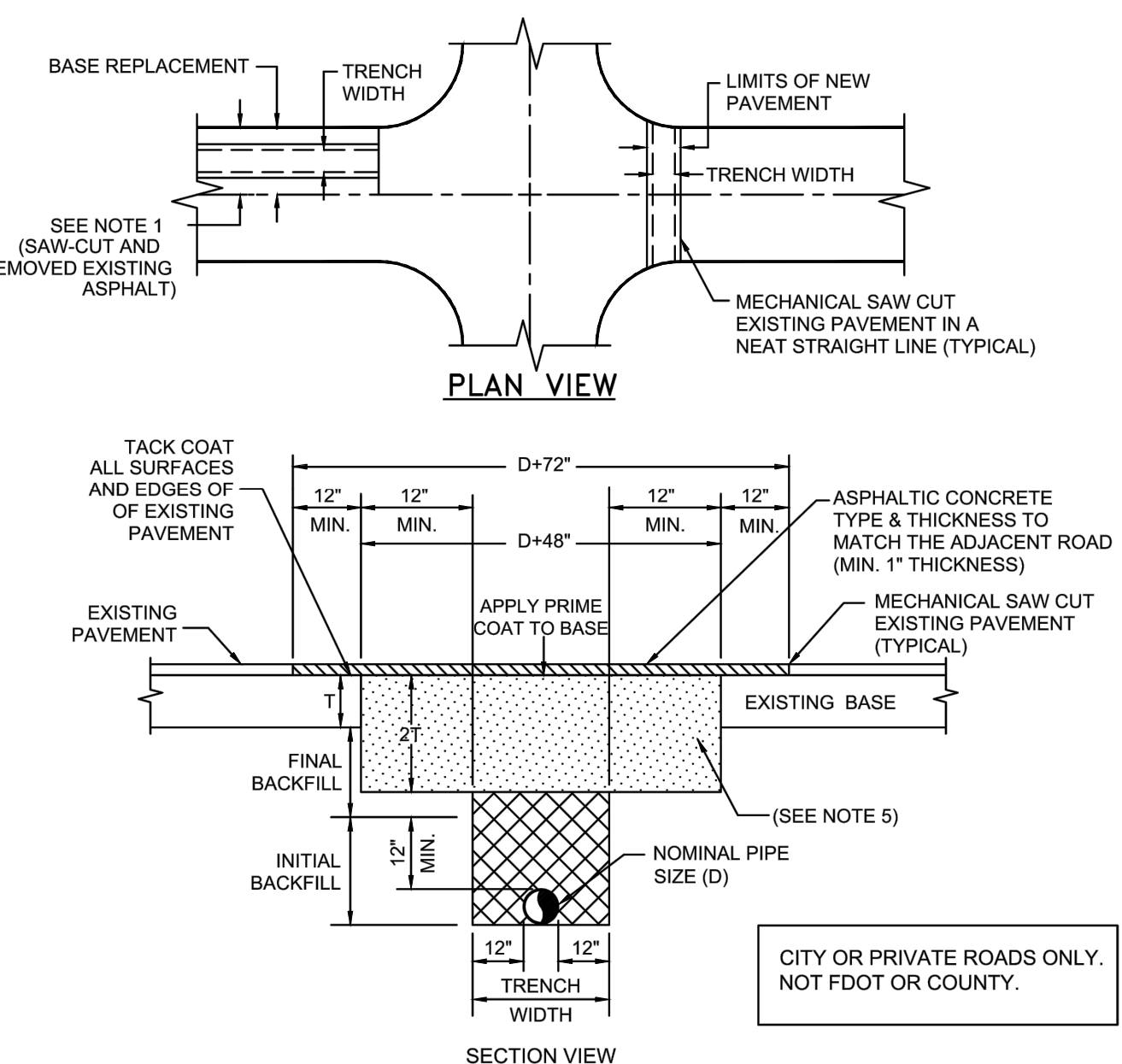
NOTES:
1. FOR TRENCHES REQUIRING SHEETING, SHORING, STAY BRACING, TRENCH JACKS OR TRENCH BOX, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SUPPORTS.
2. IF THE MAXIMUM TRENCH WIDTH MUST BE EXCEEDED, THE AREA OUTSIDE OF THE MAXIMUM EMBEDMENT SHALL BE COMPACTED TO FINAL BACKFILL REQUIREMENTS. IF THE PIPE IS INSTALLED IN A COMPACTED EMBANKMENT, THE EMBANKMENT SHALL BE IN PLACE AND COMPACTED TO 12" MIN. COVER BEFORE INSTALLATION OF PIPE.
3. IF BEDDING IS REQUIRED TO BRING TRENCH BOTTOM UP TO GRADE AND PROVIDE UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE, THEN A MINIMUM COMPACTED DEPTH OF 4 TO 6 INCHES OF SELECT EMBEDMENT MATERIAL IS REQUIRED.
4. THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.
5. AN APPROVED LOCATOR WIRE SHALL BE USED.
6. EARTHWORK, EXCAVATION, BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE WITH PSLUSD STANDARDS.




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UTILITY ROAD CUT PAVEMENT
RESTORATION

DETAIL: G-05
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 1



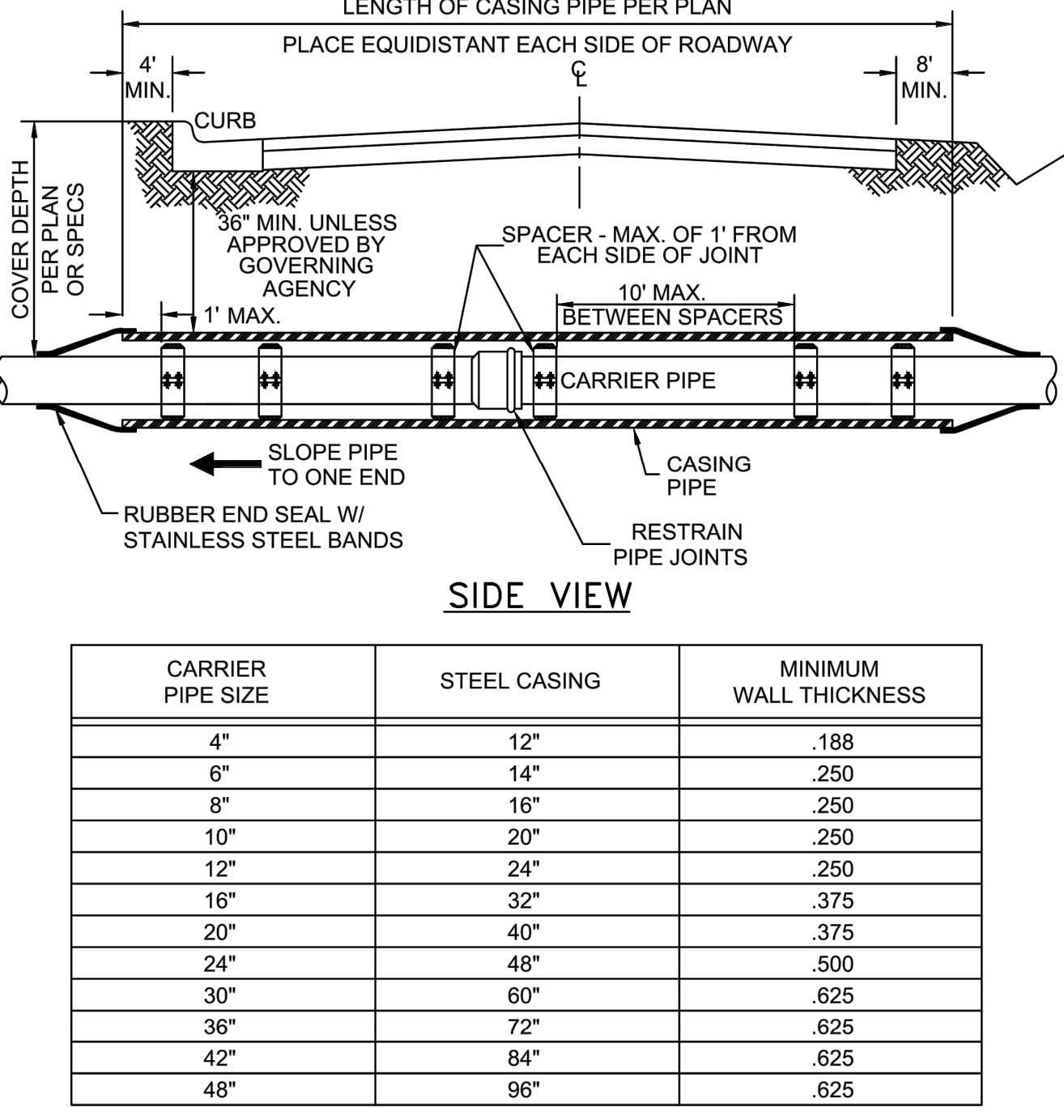
NOTES:
1. PAVEMENT RESTORATIONS FOR LONGITUDINAL CUTS IN ALL STREETS SHALL BE FULL LANE WIDTH, WITH FULL LANE WIDTH RESURFACING FOR EACH LANE WITHIN THE LIMITS OF THE CUT.
2. WHEN AN ARTERIAL OR MAJOR COLLECTOR STREET IS OPEN CUT WITHIN THE LIMITS OF THE ROADWAY INTERSECTION, THE ENTIRE INTERSECTION SHALL BE OVERLAID WITH ASPHALTIC CONCRETE.
3. 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.
4. 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.
5. COQUINA OR LIMEROCK (1/2" MIN.) LBER=100
6. EARTHWORK, EXCAVATION, BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE WITH PSLUSD STANDARDS. ALL BACKFILL SHALL MEET DENSITY REQUIREMENTS OF 100% T-180.



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PIPE CASING FOR JACK AND BORE

DETAIL: G-06
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 1



CARRIER PIPE SIZE	STEEL CASING	MINIMUM WALL THICKNESS
4"	12"	.188
6"	14"	.250
8"	16"	.250
10"	20"	.250
12"	24"	.250
16"	32"	.375
20"	40"	.375
24"	48"	.500
30"	60"	.625
36"	72"	.625
42"	84"	.625
48"	96"	.625

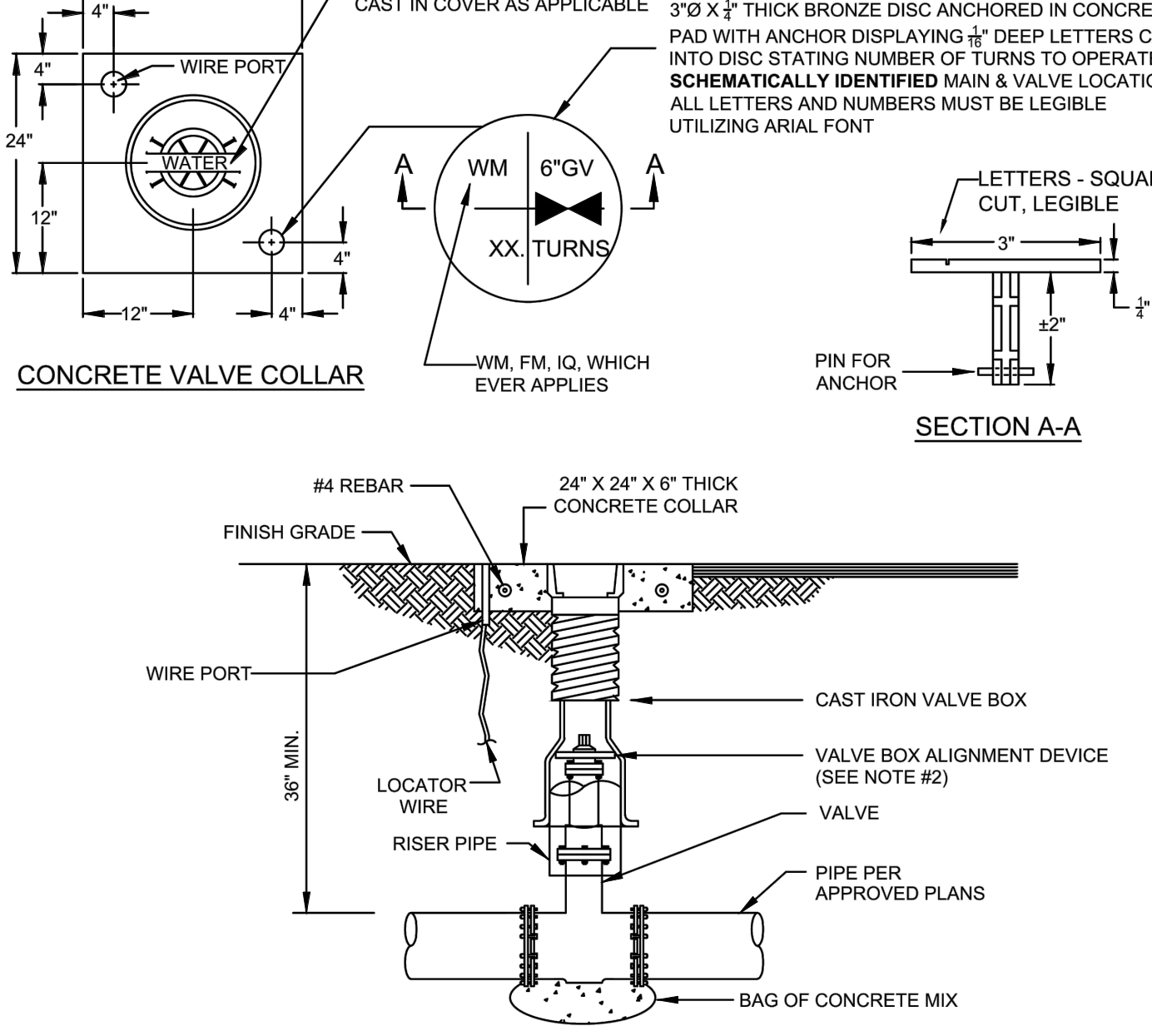
NOTES:
1. ALL WORKMANSHIP AND MATERIAL TO MEET PSLUSD UTILITY STANDARDS MANUAL.
2. INSULATOR SHALL BE SIZED TO ALLOW CLEARANCE BETWEEN BELL JOINT AND CASING WALL OR RESTRAINT DEVICE AND CASING WALL.
3. PETROLEUM PRODUCTS SHALL NOT BE USED FOR LUBRICATION ON ANY PORTION OF THIS ASSEMBLY WITH PVC CARRIER PIPE.



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TYPICAL VALVE BOX AND COLLAR
IN UN-PAVED AREA

DETAIL: G-07
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 2




NOTES:
1. WHEN TOP OF OPERATING NUT IS DEEPER THAN 30", A HIGH STRENGTH STEEL EXTENSION WILL BE REQUIRED TO BRING OPERATING NUT 24"-30" BELOW FINISHED GRADE. A STEEL CENTERING PLATE, WELDED TO THE EXTENSION, IS ALSO REQUIRED.
2. A VALVE BOX ALIGNMENT DEVICE SHALL BE PROVIDED TO ELIMINATE SHIFTING OF THE VALVE BOX AGAINST THE OPERATING NUT.
3. C900 OR SDR-26 P.V.C. RISER PIPE SHALL BE ADDED TO EXTEND THE VALVE BOX IF NEEDED.
4. RPM'S SHALL NOT BE INSTALLED IN CROSSWALKS OR PEDESTRIAN WALKWAYS.
5. THE TOP SIDE OF THE VALVE BOX COVER AND THE INSIDE OF TOP SECTION OF THE VALVE BOX SHALL BE PAINTED BLUE FOR WATER MAINS, GREEN FOR SEWER MAINS AND PURPLE FOR RECLAIMED WATER MAINS.

PSLUSD PROJECT #
11-642-06

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

SHEET NUMBER
C-350



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LICENSED PROFESSIONAL

KIMAN F. HUSAINY, P.E.
FLORIDA LICENSE NUMBER
75481

KHA PROJECT
147796002

DATE
09/21/2022

SCALE AS SHOWN

DESIGNED BY
JH

DRAWN BY
KHF

CHECKED BY
KHF

DATE

UTILITY DETAILS

WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC

FLORIDA
PORT ST. LUCIE

Plotted By: Harris, Jonny Sheet Set: LITC RANCH - Pod 9 LAYOUT: C-357 UTILITY DETAILS March 04, 2024 03:13:47pm K:\V\B\L\DEV\LITC RANCH - Pod 9\CAD\PlanSheets\C-350 UTILITY DETAILS.dwg
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W:\2_Active Projects\Kimmey-Horn\Pod 9_Litc\B\Litc\Utility Standard Details Manual Updates and Additions\04_Draft SLD\Bldg Detail Residential\Duplex PS 19 Litc Bldg SLD.dwg, 3/4/24, 11/20/2024, 4:12:36 PM, mweaks

480V-3φ, 4W LIFT STATIONS CROSS REFERENCE TABLE														
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	
MOTOR HP	MOTOR FLA (PER NEC)	LOAD TABULATION/ SERVICE MINIMUM (MOTOR FLA x 2.25 + 10 AMPS)	SERVICE CONDUIT & CONDUCTOR (BEFORE DISCONNECT)	FUSED DISCONNECT / FUSES	FEEDER CONDUCTORS (AFTER DISCONNECT)	PANEL MAIN BREAKER (CB-1)	PANEL EMERGENCY BREAKER (CB-2)	EMERGENCY CONDUCTORS	GENERATOR RECEPTACLE	MOTOR BREAKER (CB-5 & CB-6)	SOFT STARTER (MIN. AMPS)	MOTOR WIRES & CONDUIT (BETWEEN CONTROL PANEL & J-BOX)	PUMP CABLE CONDUIT SIZE	BARE TINNED COPPER GROUND
11-15	21A	57.3A	3#2 & 1#2 N-1 1/2"	100A,3P/ 100A	3#2 & 1#6 GND-1 1/2"	100A,3P	100A,3P	3#2 & 1#6 GND	100A,3P	40A,3P	27A	3#8, 4#14 & 1#10 GND-1 1/2"	2"	#6 AWG
20	27A	70.8A	3#2 & 1#2 N-1 1/2"	100A,3P/ 100A	3#2 & 1#6 GND-1 1/2"	100A,3P	100A,3P	3#2 & 1#6 GND	100A,3P	50A,3P	34A	3#6, 4#14 & 1#10 GND-1 1/2"	2"	#6 AWG
25	34A	86.5A	3#2 & 1#2 N-1 1/2"	100A,3P/ 100A	3#2 & 1#6 GND-1 1/2"	100A,3P	100A,3P	3#2 & 1#6 GND	100A,3P	70A,3P	40A	3#4, 4#14 & 1#8 GND-1 1/2"	2"	#6 AWG
30	40A	100.0A	3#1/0 & 1#1/0 N -2 1/2"	150A,3P/ 125A	3#1/0 & 1#4 GND -2 1/2"	125A,3P	125A,3P	3#1/0 & 1#4 GND	100A,3P	80A,3P	52A	3#4, 4#14 & 1#8 GND-1 1/2"	2 1/2"	#4 AWG
40	52A	127.0A	3#1/0 & 1#1/0 N -2 1/2"	150A,3P/ 150A	3#1/0 & 1#4 GND -2 1/2"	150A,3P	150A,3P	3#1/0 & 1#4 GND	200A,3P	100A,3P	65A	3#4, 4#14 & 1#8 GND-1 1/2"	3"	#4 AWG
47	57A (PER DATA SHEET)	138.3A	3#3/0 & 1#3/0 N -2 1/2"	200A,3P/ 200A	3#3/0 & 1#4 GND -2 1/2"	200A,3P	200A,3P	3#3/0 & 1#4 GND	200A,3P	125A,3P	77A	3#2, 4#14 & 1#6 GND-1 1/2"	3"	#4 AWG

- NOTES:
- 1 ELECTRICAL CONTRACTOR SHALL COORDINATE WITH FPL FOR METERING REQUIREMENTS AND SERVICE CONSTRUCTION STANDARDS. WIRE IDENTIFICATION AND PHASE ARRANGEMENT SHALL BE PER NEC.
- 2 EQUIPMENT AND WIRE SHALL BE SIZED AND RATED ACCORDING TO THE SERVICE VOLTAGE AND RESPECTIVE PUMP SIZES AT THE STATION. REFER TO CROSS REFERENCE TABLE BELOW.

Reviewed for Code Compliance

Express ID: 7th-UTIL-PS19

Discipline: **ELECTRIC**

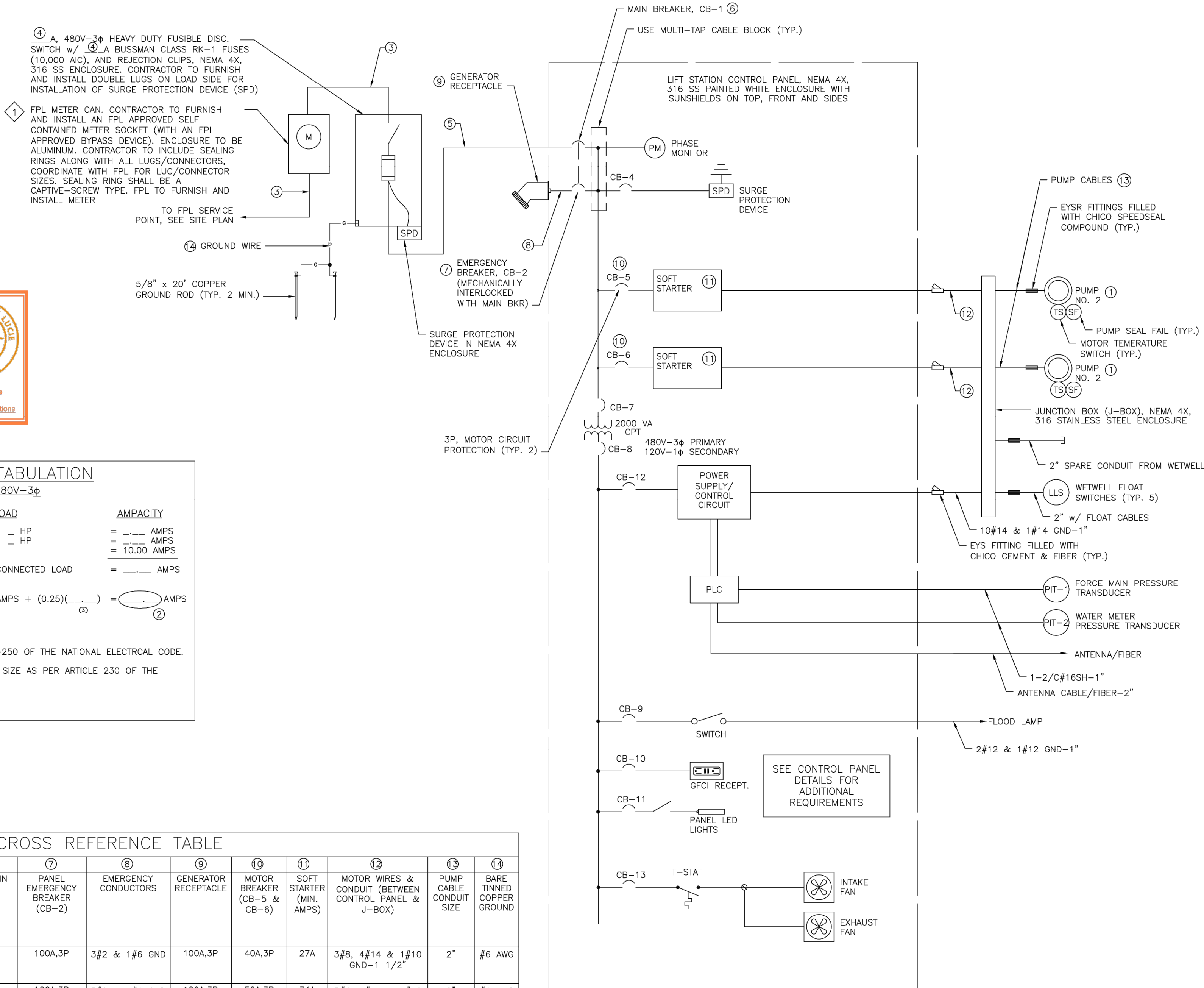
Approved By: **Bharrison**

Approval Date: **03/16/2021**



City of Port Saint Lucie
Building Department
Buildings with good foundations

LOAD TABULATION		
480V-3φ		
DESCRIPTION	LOAD	AMPACITY
① PUMP NO.1	1 ② - HP	= _____ AMPS
① PUMP NO.2	1 ② - HP	= _____ AMPS
MISC.		= 10.00 AMPS
	CONNECTED LOAD	= _____ AMPS
① SERVICE ENTRANCE = _____ AMPS + (0.25)($\frac{\text{②}}{\text{③}}$) = _____ AMPS		
NOTES:		
① AMPACITIES PER TABLE 430-250 OF THE NATIONAL ELECTRICAL CODE.		
② SERVICE ENTRANCE MINIMUM SIZE AS PER ARTICLE 230 OF THE NATIONAL ELECTRICAL CODE.		
③ LARGEST MOTOR LOAD.		



DUPLEX LIFT STATION
SINGLE LINE DIAGRAM
480V, 3-PHASE (11-47HP)
SCALE: N.T.S.

CITY OF PORT ST. LUCIE
UTILITY SYSTEMS DEPARTMENT
900 S.E. OGDEN LANE
PORT ST. LUCIE, FL 34983
PHONE (772) 873-6400 FAX (772) 873-6433



DUPLEX LIFT STATION SINGLE LINE DIAGRAM
480V, 3-PHASE (11-47HP) WITH SOFT START


DETAIL: PS-19
DATE: 2020
SCALE: N.T.S.
SHEET: 1 OF 1

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION.




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PSLUSD PROJECT #
11-642-06

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
FLORIDA

SHEET NUMBER
C-357



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PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM
REGISTRY NO. 696

LICENSED PROFESSIONAL

KIMAN F. HUSAINY, P.E.
FLORIDA LICENSE NUMBER
75481

KHA PROJECT
147796002

DATE
09/21/2022

SCALE AS SHOWN

DESIGNED BY
JH

CHECKED BY
KFH

DATE
DATE

UTILITY DETAILS

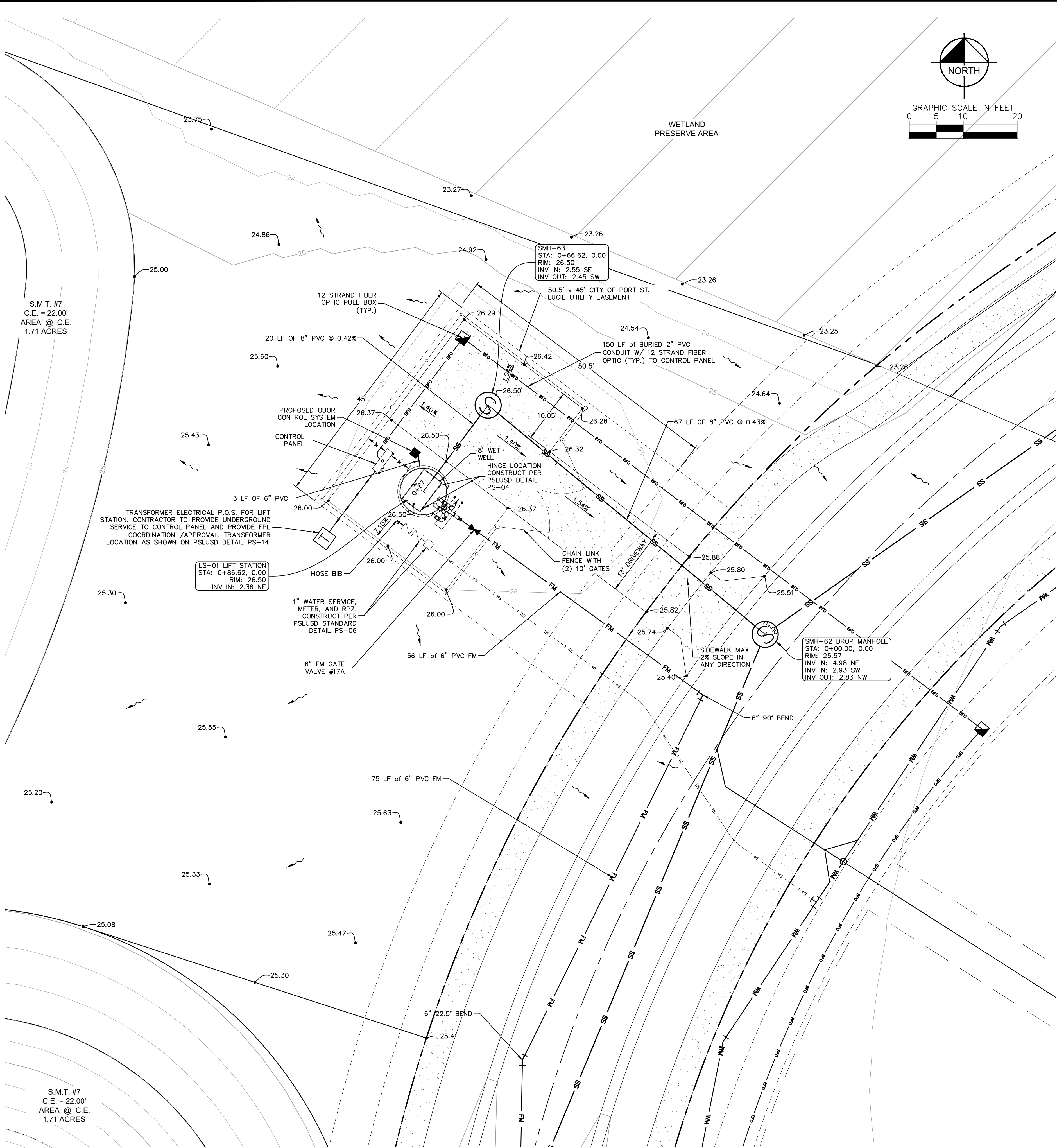
WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
FLORIDA

SHEET NUMBER
C-357

NO.	REVISIONS	DATE	BY

Plotted By: Harris, Jonny Sheet Set: LITC RANCH = Pod 9 LUYOU: C-360 LIFT STATION PLAN March 04, 2024 03:15:39pm K:\VRB-LDE\VALTC RANCH = Pod 9\VRB-LDE\VALTC RANCH.dwg

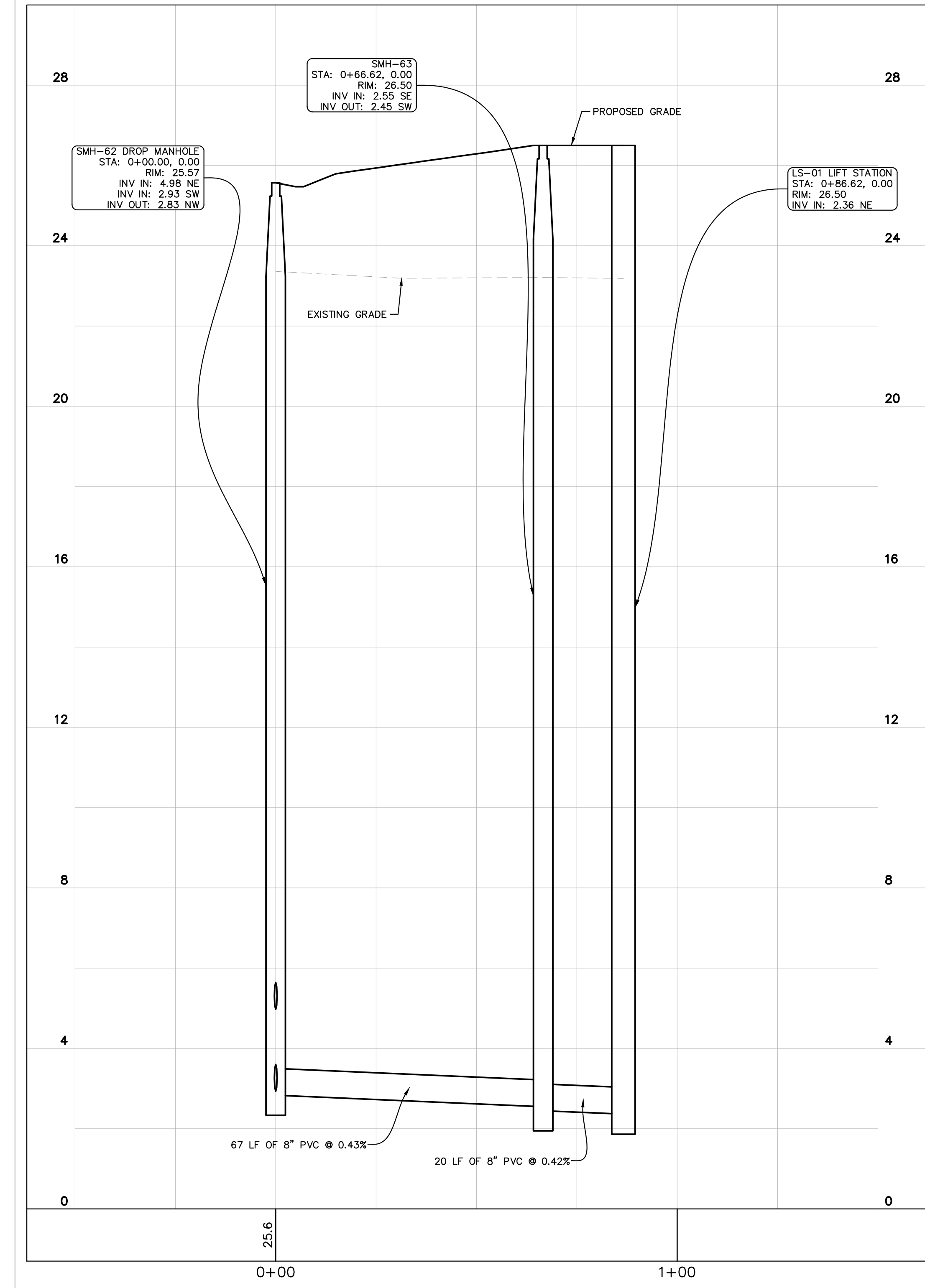
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LIFT STATION PLAN VIEW
SCALE: 1" = 10'

NOTES:

1. ACCESS DRIVE - 6" THICK, 12' WIDE CONCRETE 4000 PSI W/ FIBER MESH AND COMPACTED SUBGRADE TO 98% EXTENDED 6" BEYOND ALL EDGES
2. ALL AREAS INSIDE FENCE THAT ARE NOT COVERED BY CONCRETE, STRUCTURES, AND EQUIPMENT SHALL HAVE #57 STONE. THE STONE SHALL BE PLACED OVER 2-PLY 4 MIL VISQUEEN, A MINIMUM OF 6" BUT NO MORE THAN 8" DEEP.
3. A 12' X 48' AREA SHALL BE PROVIDED WITHIN 10' OF THE WET WELL FOR VACUUM TRUCK ACCESS.
4. LIGHT POLE SHALL BE ADDED NEXT TO CONTROL PANEL (3" DIA. POLE) PER PSLUSD STANDARDS.
5. PER PS-05, SURGE PROTECTOR SHALL BE MOUNTED EXTERNALLY.



LIFT STATION PROFILE
SCALE: VERT. 1" = 2'
HORIZ. 1" = 20'

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NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION.

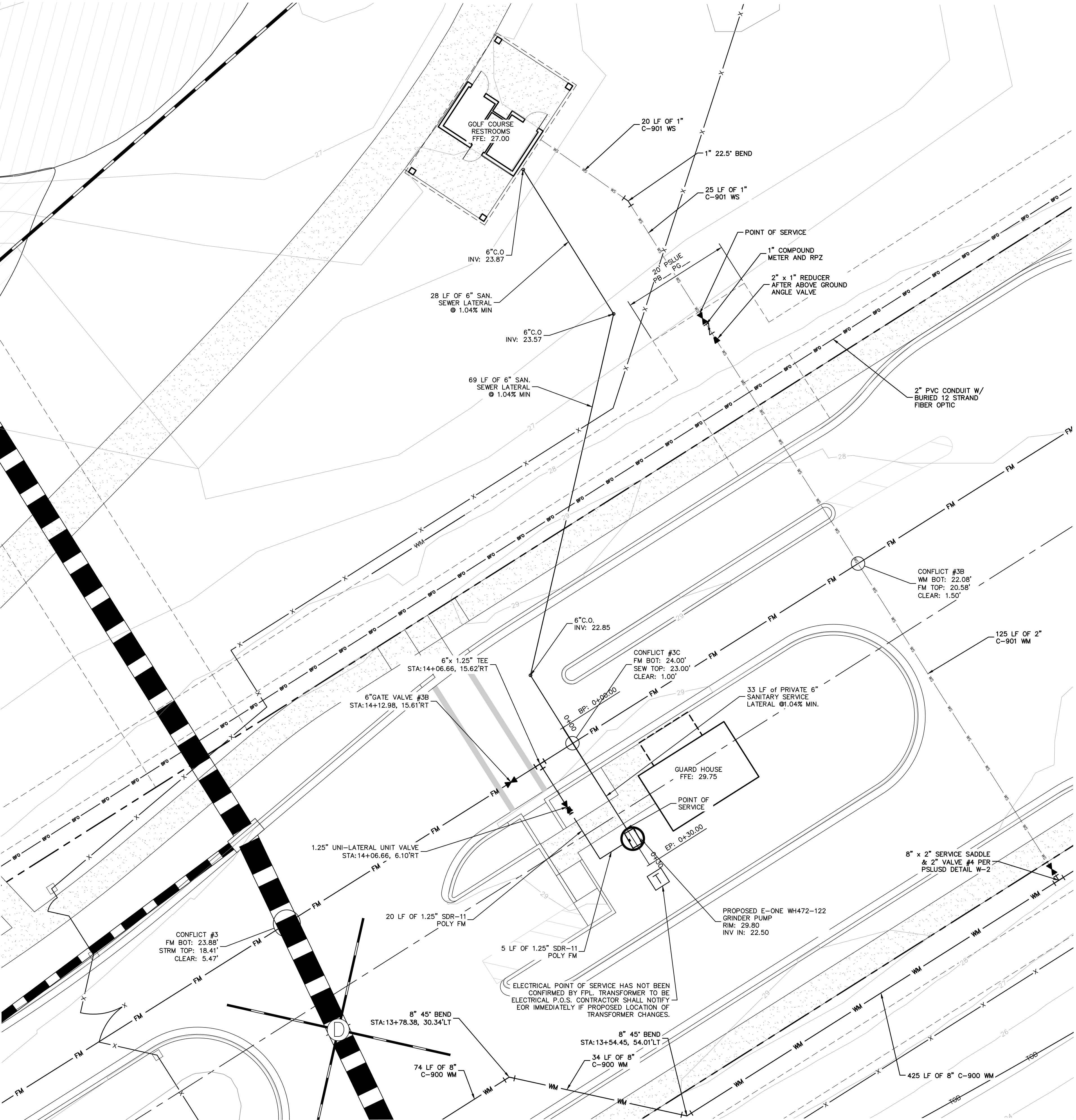
PSLUSD PROJECT #
11-642-06

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

WYLDER POD 9 PREPARED FOR MIDWAY GLADES DEVELOPERS, LLC FLORIDA		LIFT STATION PLAN		KIMLEY-HORN © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960 PHONE: 772-794-4100 WWW.KIMLEY-HORN.COM REGISTRY NO. 696		REVISIONS		BY DATE	
SHEET NUMBER C-360		KHA PROJECT 147796002		LICENSED PROFESSIONAL KIMAN F. HUSAINY, P.E. FLORIDA LICENSE NUMBER 75481		No.		No.	

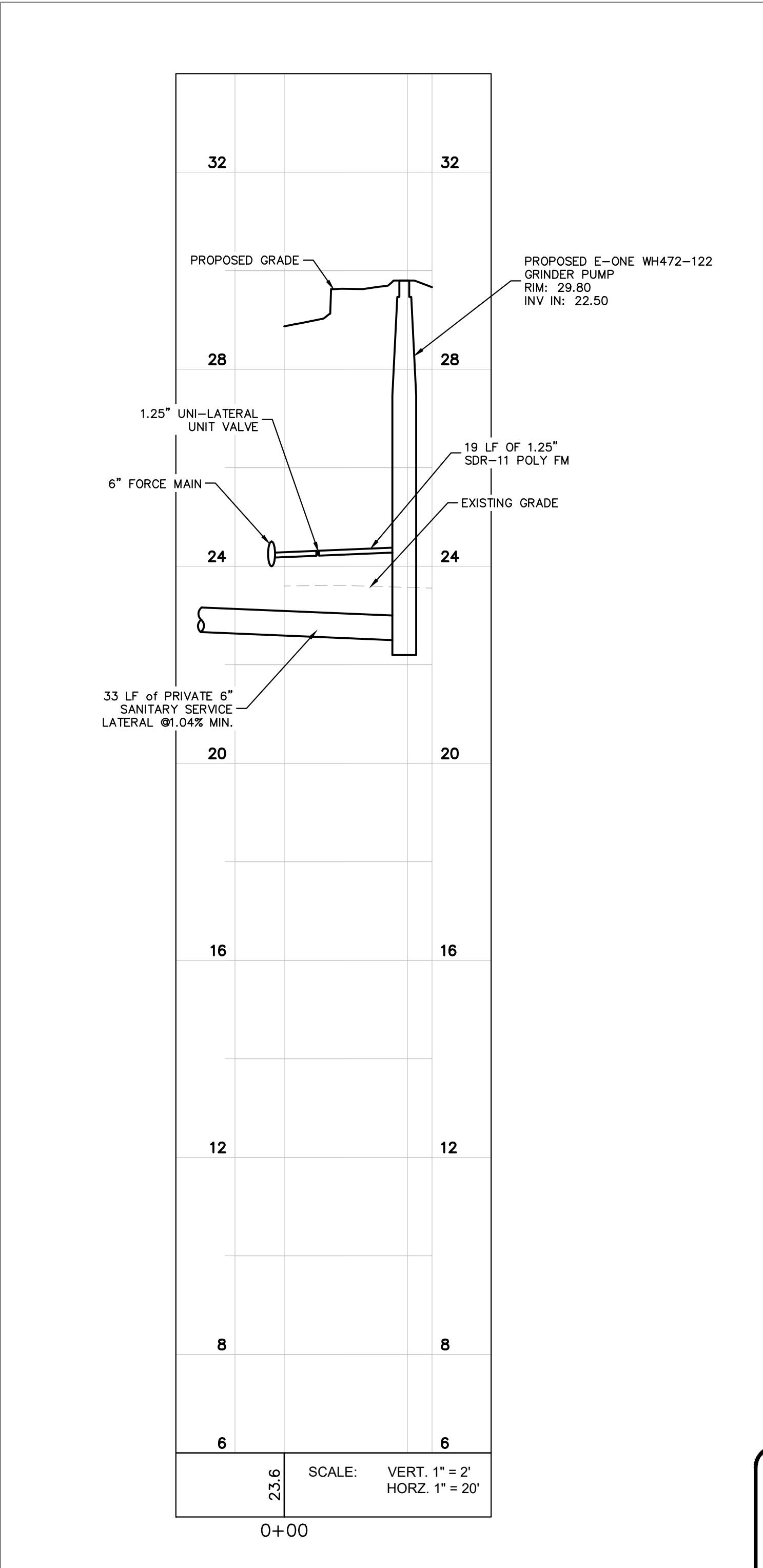
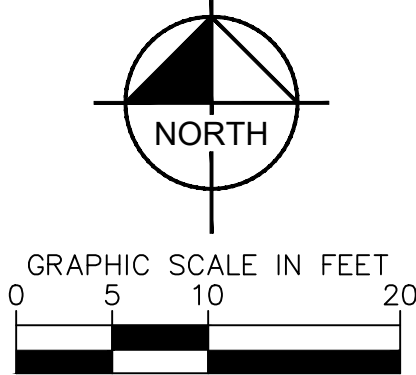
Plotted By: Harris, Jonny Sheet Set: LUCIE RANCH - Pod 9 LAYOUT: C-364 GRINDER PUMP PLAN March 04, 2024 04:02:27pm K:\V\B\DEV\LUCIE RANCH - Pod 9\CAD\PlanSheets\C-364 LEFT STATION PLAN.dwg

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GRINDER PUMP PLAN PLAN VIEW

SCALE: 1" = 10'



GRINDER PUMP PROFILE

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VERTICAL DATUM ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO GET THE NAVD '88 ELEVATION.

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PSLUSD PROJECT # 11-642-06 CITY OF PORT ST. LUCIE PROJECT # P22-301 / P23-153

WYLDER

POD 9

PREPARED FOR

MIDWAY GLADES DEVELOPERS, LLC

FLORIDA

GRINDER PUMP PLAN

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REGISTRY NO. 696

LICENSED PROFESSIONAL

KIMAN F. HUSINY, P.E.

FLORIDA LICENSE NUMBER 75481

DATE: ---

KHA PROJECT 147796002

DATE 09/21/2022

SCALE AS SHOWN

DESIGNED BY ---

DRAWN BY ---

CHECKED BY ---

REVISIONS

No.

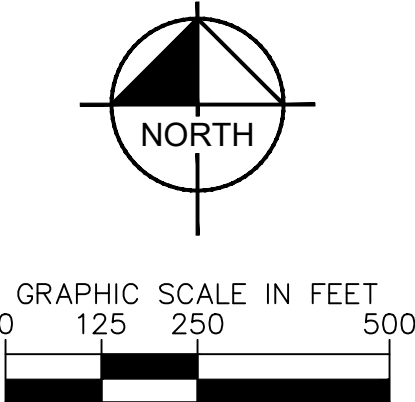
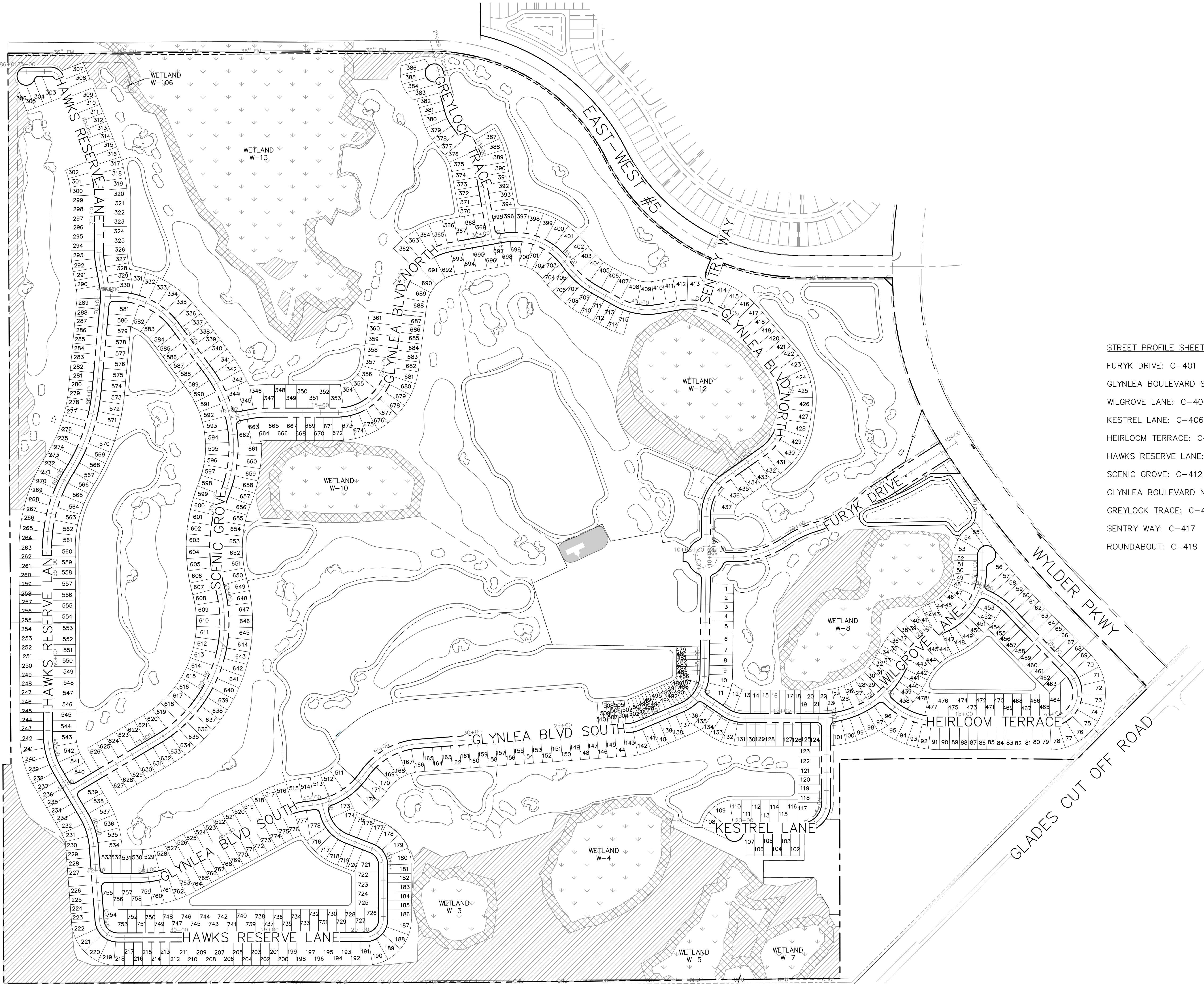
DATE

BY

SHEET NUMBER

C-364

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STREET PROFILE SHEET REFERENCE

- FURYK DRIVE: C-401
- GLYNLEA BOULEVARD SOUTH: C-402 - C-404
- WILGROVE LANE: C-404 - C-405
- KESTREL LANE: C-406
- HEIRLOOM TERRACE: C-407
- HAWKS RESERVE LANE: C-408 - C-411
- SCENIC GROVE: C-412 - C-413
- GLYNLEA BOULEVARD NORTH: C-414 - C-416
- GREYLOCK TRACE: C-416 - C-417
- SENTRY WAY: C-417
- ROUNDBOUT: C-418

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KIMAN F. HUSAINY, P.E.
FLORIDA LICENSE NUMBER
75481

KHA PROJECT 147796002	DATE 09/21/2022	SCALE AS SHOWN	DESIGNED BY JWK	DRAWN BY JWK	CHECKED BY KFH	DATE ----
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OVERALL STREET
PROFILES

WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
FLORIDA

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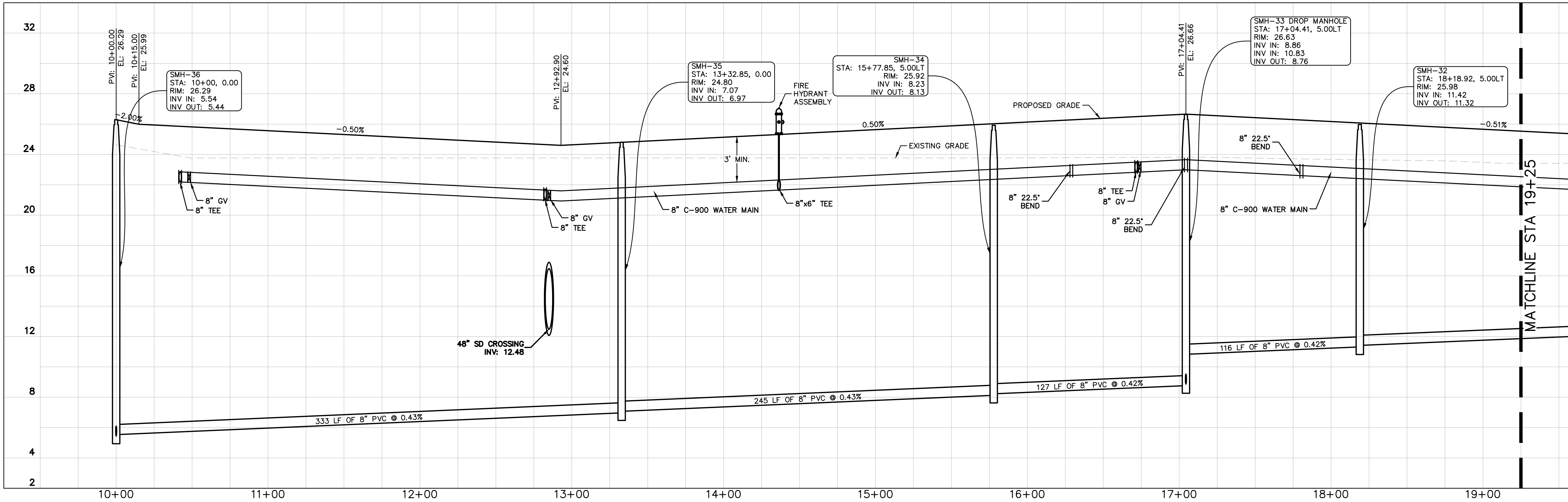
VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

PSLUSD PROJECT #
11-642-06

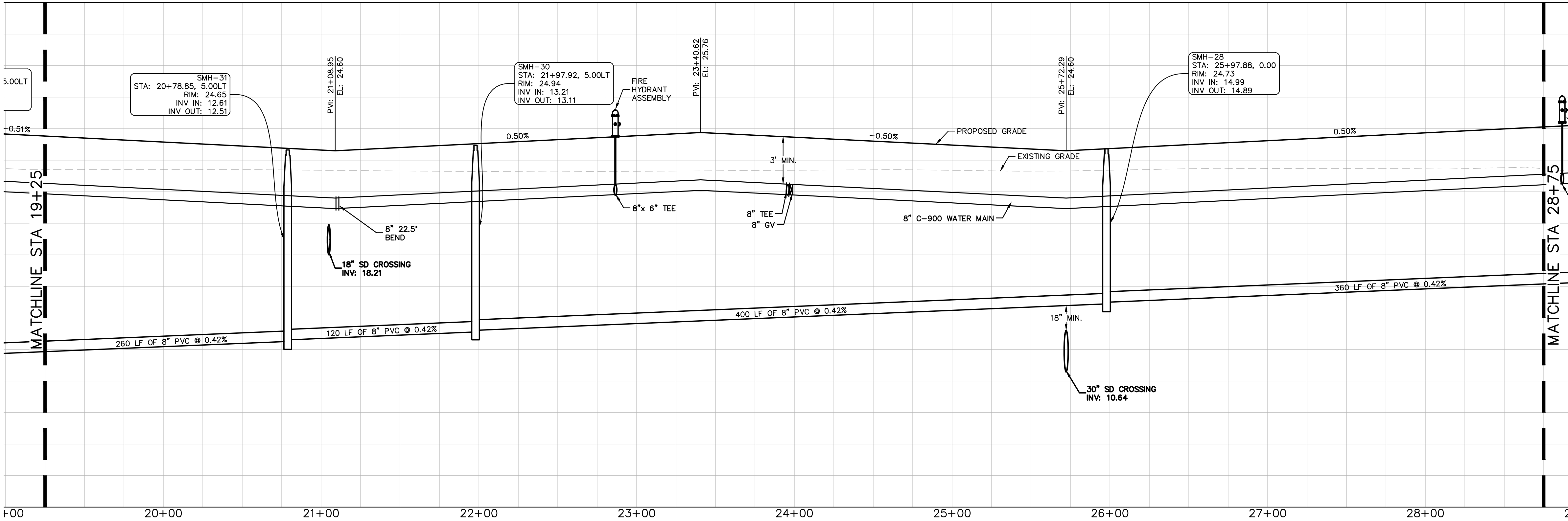
SHEET NUMBER
C-400

Plotted By: Harris, Jonny Sheet Set: LITC RANCH - Pod 9 Layout: C-402 March 04, 2024 03:17:12pm K:\VRB-IDEV\ALTC Ranch - Pod 9\CAD\PlanSheets\C-400 PROFILES.dwg
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GLYNLEA BOULEVARD SOUTH FROM 10+00 to 19+25

H: 1"=40' V: 1"=4'



GLYNLEA BOULEVARD SOUTH FROM 19+25 to 28+75

H: 1"=40' V: 1"=4'

PSLUSD PROJECT #
11-642-06

CALL 48 HOURS
BEFORE YOU DIG
IT'S THE LAW!
DIAL 811
Know what's below.
Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.
VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NAVD '88 ELEVATION TO
GET THE NAVD '88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #
P22-301 / P23-153

WYLDER
POD 9
PREPARED FOR
MIDWAY GLADES DEVELOPERS, LLC
PORT ST. LUCIE
FLORIDA

STREET PROFILES

KHA PROJECT
147796002
DATE
09/21/2022
SCALE AS SHOWN
DESIGNED BY JWK
DRAWN BY JWK
CHECKED BY KFH

LICENSED PROFESSIONAL
KIMAN F. HUSINY, P.E.
FLORIDA LICENSE NUMBER
75481
DATE: ---

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REVISIONS	No.	DATE	BY