

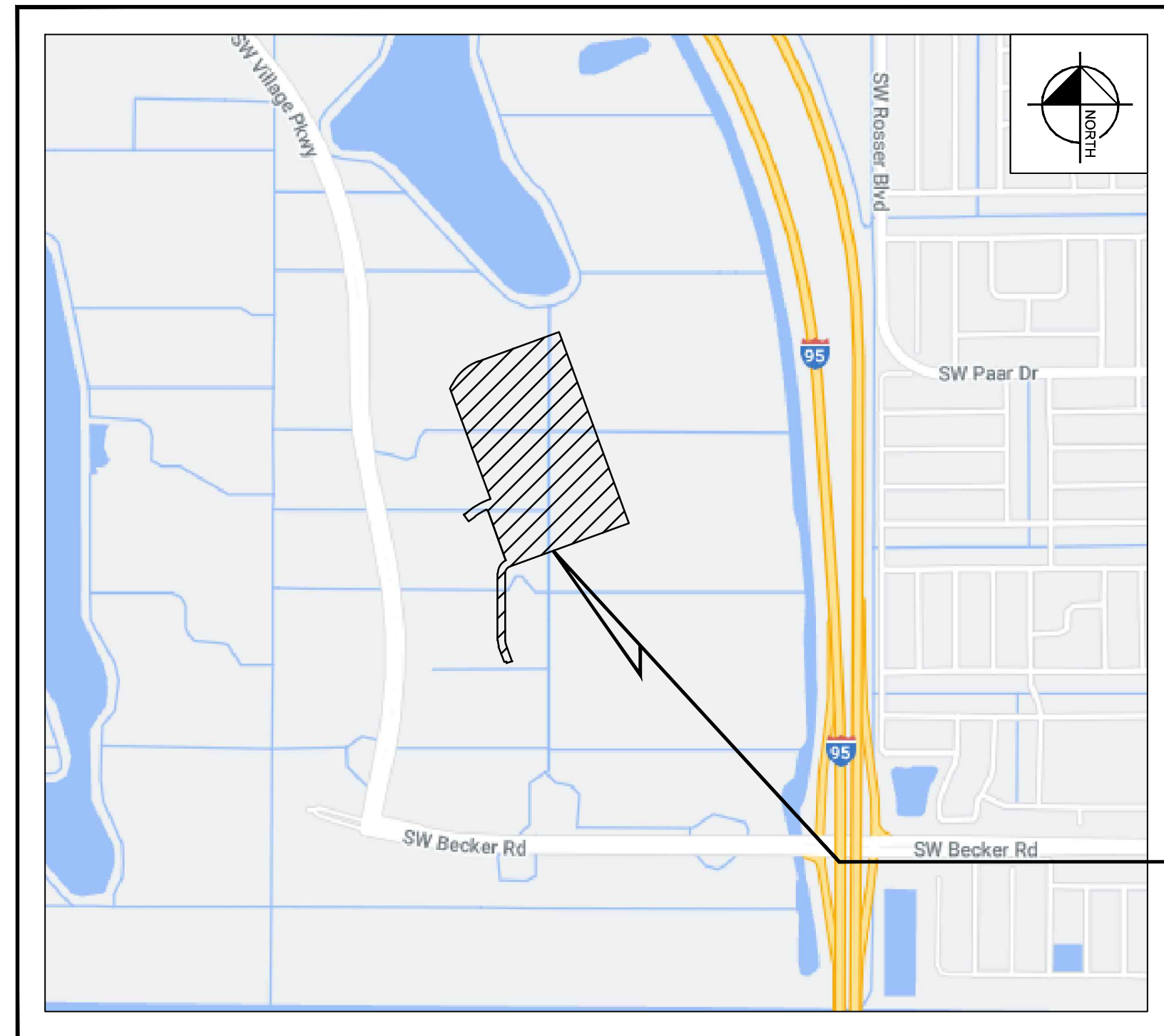
# DEVELOPMENT PLANS

## FOR

# PROJECT SENIOR

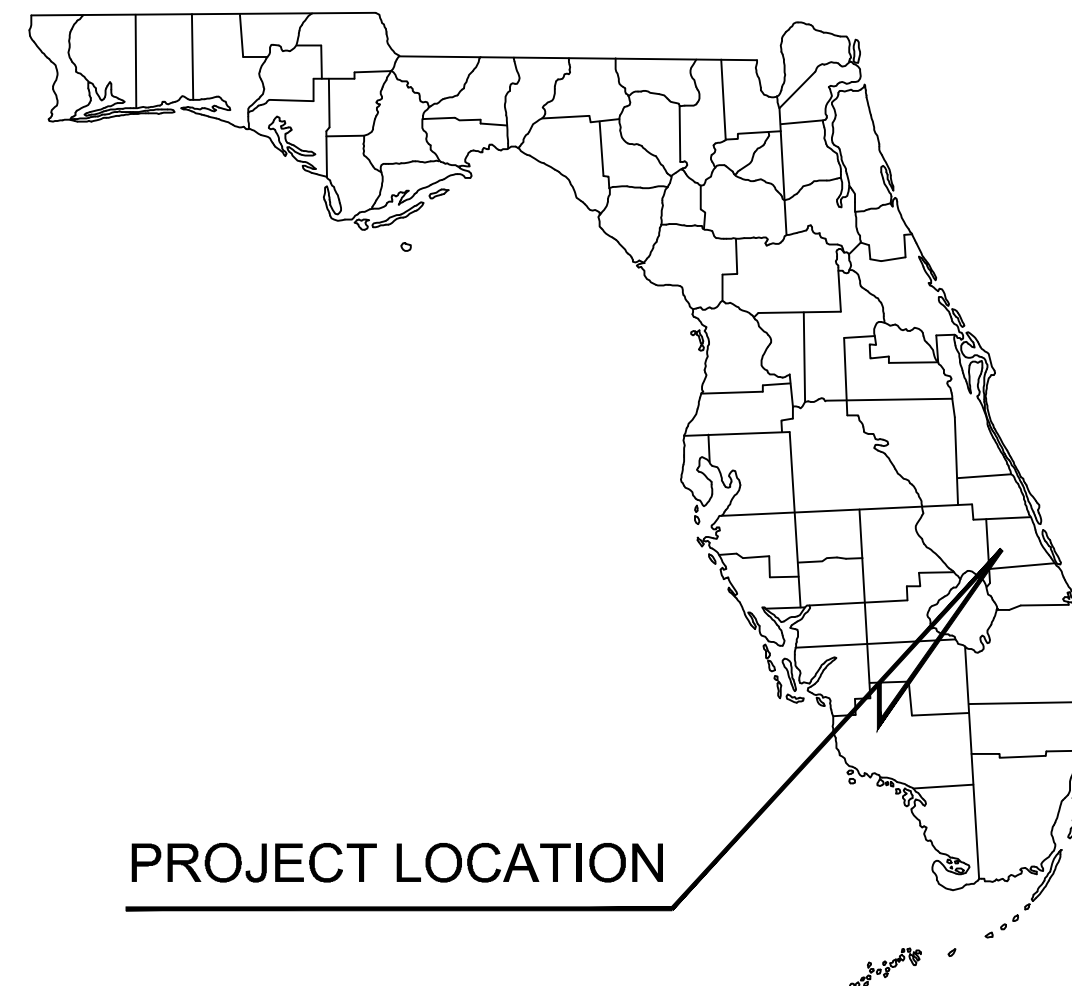
IN SECTIONS 34 & 35, TOWNSHIP 37 SOUTH,  
RANGE 39 EAST  
CITY OF PORT SAINT LUCIE, FLORIDA

PREPARED FOR  
**SANSONE GROUP**

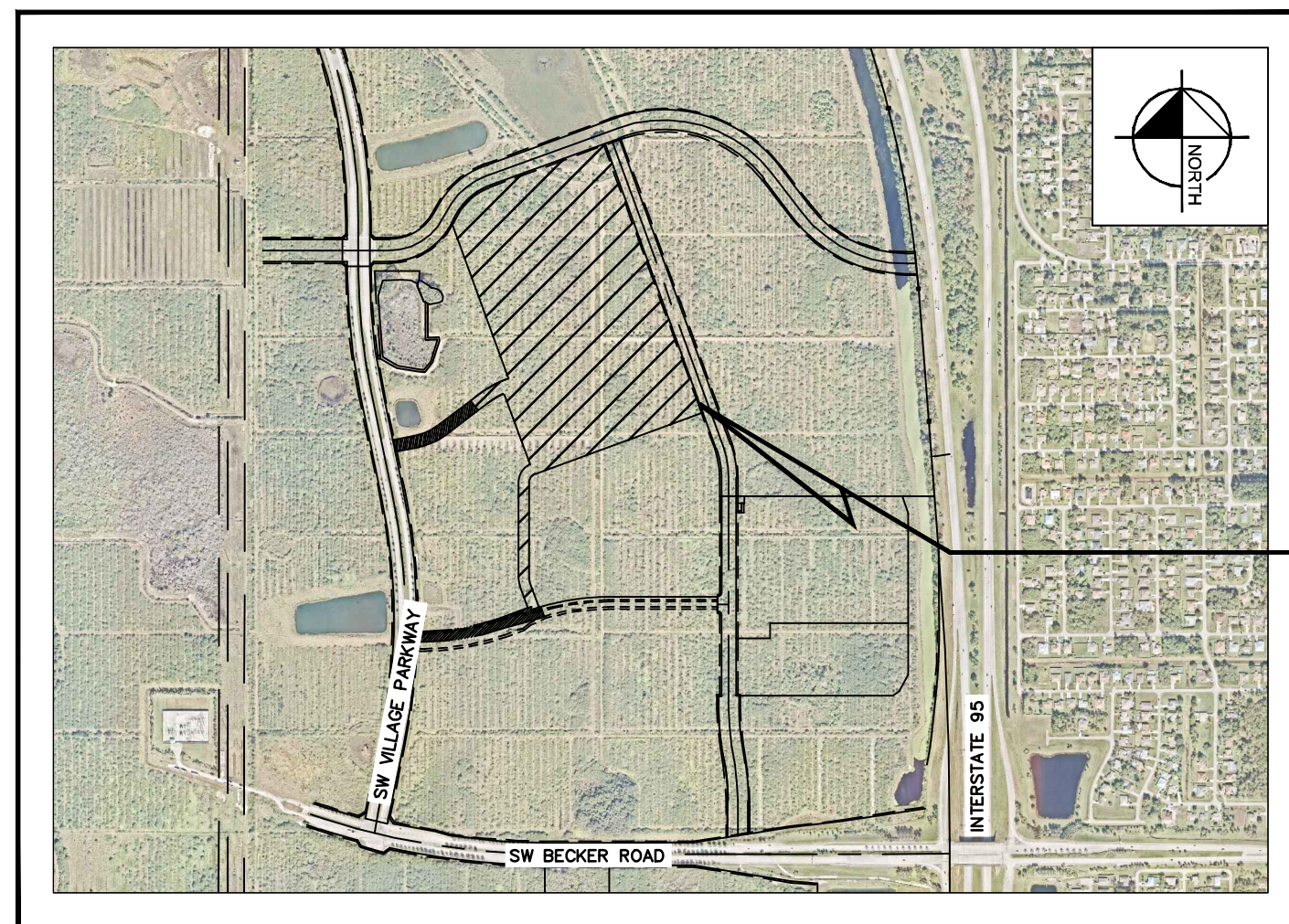


VICINITY MAP

SITE



PROJECT LOCATION



AERIAL PHOTOGRAPH

SITE

### INDEX OF SHEETS

C0.0	COVER SHEET
C1.0	OVERALL SITE PLAN
C1.1	SITE PLAN DETAILS
C1.2	CITY OF PORT ST. LUCIE STANDARD DETAILS
C1.3	LIGHT POLE DETAILS
L1.00	CONCEPT LANDSCAPE PLAN KEY
L1.01 - L1.08	CONCEPT LANDSCAPE PLAN
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A2.10	BUILDING ELEVATIONS
A2.11	BUILDING ELEVATIONS
A2.13	ENLARGED BUILDING ELEVATIONS

### PROJECT TEAM

#### DEVELOPER

SANSONE GROUP  
120 SOUTH CENTRAL, SUITE 500  
ST. LOUIS, MO 63105  
CONTACT: BLAKE ROELL

#### LANDSCAPE ARCHITECT

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PHONE: (407) 412-9979  
EMAIL: wes.rogers@kimley-horn.com

#### ARCHITECT

BAKER BARRIOS ARCHITECTS, INC.  
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#### CIVIL ENGINEER

KIMLEY-HORN AND ASSOCIATES, INC.  
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CONTACT: BROOKS A. STICKLER, P.E.  
PHONE: (407) 898-1511  
EMAIL: brooks.stickler@kimley-horn.com

### LEGAL DESCRIPTION

LOT 5, SOUTHERN GROVE PLAT NO. 35

PREPARED BY

CITY OF PSL PROJECT NO. P21-057  
PSLUSD PROJECT NO. 5360C

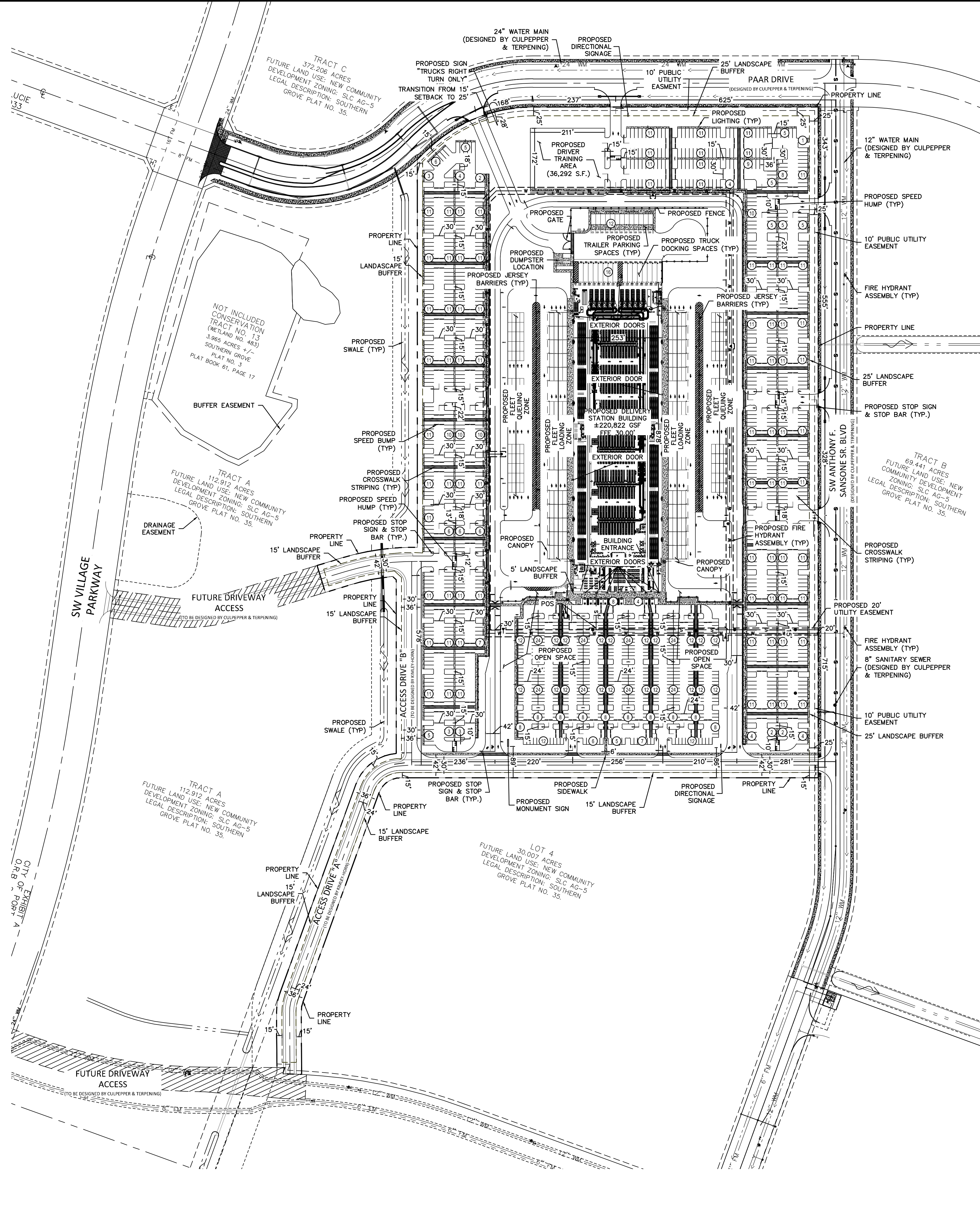
BROOKS A. STICKLER, P.E.  
FL. P.E. NO. 74031

PROJECT SENIOR  
April 28, 2021  
ENGINEER'S PROJECT No. 04966000

REV	DESCRIPTION	DATE	BY



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**LEGEND**

- PROPERTY LINE
- - - SETBACK LINE
- W PROPOSED 4" WATER LINE
- F PROPOSED 6" FIRE LINE
- S PROPOSED 6" SANITARY LINE
- PROPOSED SIDEWALK
- PROPOSED SITE LIGHTING
- PROPOSED SPEED BUMP
- ▲ PROPOSED SPEED HUMP
- ⊕ PROPOSED FIRE HYDRANT ASSEMBLY

**GENERAL NOTES:**

1. ALL LANDSCAPE AREAS ABUTTING VEHICULAR USE AREAS SHALL BE CURBED OR PROTECTED BY CURB STOPS.
2. ALL BUILDING, PARKING AND ACCESS AREAS SHALL DOCUMENT COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
3. PROPOSED LIGHT POLES SHALL BE SHIELDED TO MINIMIZE EXCESS GLARE TO ADJACENT RESIDENTIAL AREAS AND ROADWAYS.
4. SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
5. LANDSCAPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 153 OF THE LANDSCAPE CODE OF THE CITY OF PORT SAINT LUCIE.
6. NO LANDSCAPING OTHER THAN GRASSES SHALL BE LOCATED WITHIN 10' OF A CITY UTILITY LINE OR APPURTENANCE. ALL OTHER UTILITIES SHALL BE A MINIMUM OF 5' HORIZONTAL SEPARATION FROM CITY UTILITY MAINS FOR PARALLEL INSTALLATIONS AND A MINIMUM 18" BELOW CITY MAINS. (ALL MEASUREMENTS ARE TAKE FROM OUTSIDE TO OUTSIDE.)
7. NO LANDSCAPING SHALL BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.
8. THIS APPLICATION IS NOT VESTED FOR ANY MUNICIPAL FEES. ALL FEES ARE CALCULATED AT TIME OF PAYMENT. THIS INCLUDES SPECIFICALLY IMPACT FEES, UPLAND PRESERVE FEES AND ANY ADMINISTRATIVE REVIEW FEES FOR CITY DEPARTMENTS. NO FEES ARE VESTED BASED ON DATE OF CITY COUNCIL APPROVAL.
9. SIGNS ARE NOT PART OF THIS REVIEW AND SHALL BE PERMITTED SEPARATELY FROM THIS APPLICATION. (SEE CHAPTER 155 (SIGN CODE) CITY OF PORT ST LUCIE LAND DEVELOPMENT REGULATIONS AND SECTION II OF THE ARCHITECTURAL DESIGN STANDARDS.)
10. THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, 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).
11. UTILITY EASEMENTS MUST BE A MINIMUM OF 20' WIDE FOR ALL MAINS (GRAVITY SEWER, POTABLE WATER, FORCE) NOT LOCATED WITHIN OR ADJACENT TO A CITY-OWNED RIGHT OF WAY.

**UTILITY SERVICE:**

WATER SERVICE AND SANITARY SEWER WILL BE PROVIDED BY CITY OF PORT SAINT LUCIE UTILITIES SYSTEMS DEPARTMENT.

**STORMWATER MANAGEMENT:**

THE PROPOSED DEVELOPMENT IS WITHIN BASIN H IN THE MASTER CONCEPTUAL SFWMD PERMIT NO. 56-02531-P. STORMWATER MANAGEMENT SYSTEM WILL CONSIST OF CATCH INLETS THAT WILL ROUTE STORMWATER TO OFF-SITE STORMWATER PONDS (TO BE DESIGNED/CONSTRUCTED BY OTHERS BEFORE BEGINNING CONSTRUCTION OF PROPOSED DEVELOPMENT). THE OFF-SITE STORMWATER PONDS WILL PROVIDE WATER QUALITY TREATMENT AND ATTENUATION FOR THE PROPOSED DEVELOPMENT. THE DEVELOPMENT WILL MEET/EXCEED THE IMPERVIOUS/PERVIOUS LAND USE SET FORTH IN THE SFWMD PERMIT NO. 56-02531-P.

**FLOOD ZONE:**

BASED ON FEMA FLOOD MAP 12111C0400J, DATED FEBRUARY 16, 2012 SHOWS THE SUBJECT PROPERTY IS FULLY LOCATED WITHIN ZONE X, OUTSIDE THE FLOODPLAIN.

**LANDSCAPING:**

ALL LANDSCAPING SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CITY OF PORT SAINT LUCIE.

**SOLID WASTE SERVICES:**

THE ON-SITE DUMPSTER SHOWN ON SHEET C1.2 WILL BE USED FOR TRASH DISPOSAL.

**HAZARDOUS WASTE STATEMENT**

HAZARDOUS WASTE WILL BE DISPOSED OF AS DIRECTED BY CITY STAFF.

**PHASING:**

ALL ON-SITE SITE WORK INFRASTRUCTURE WILL BE CONSTRUCTED IN ONE PHASE.

**WELLFIELD PROTECTION ORDINANCE STATEMENT**

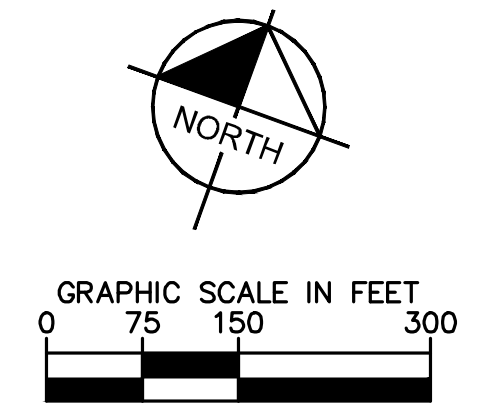
THE SITE IS LOCATED WITHIN THE ZONE OF PROTECTION. THE WELLFIELD PROTECTION ORDINANCE SHALL APPLY TO THIS PROJECT.

**FIRE PROTECTION STATEMENT**

FIRE PROTECTION WILL BE PROVIDED IN ACCORDANCE WITH ST. LUCIE COUNTY FIRE DISTRICT STANDARDS.

**LEGAL DESCRIPTION:**

SOUTHERN GROVE PLAT NO.3-(PB 61-17) PARCEL 30 (OR 3274-915)



**SITE DATA TABLE:**

TOTAL PROPOSED ON-SITE AREA:	52.20 ACRES (2,276,445 SF)
PARCEL ID'S:	4315-700-0033-000-8
CURRENT ZONING:	SLC AG-5 & MPUD
PROPOSED ZONING (THRU PUD REZONING):	MPUD
FUTURE LAND USE:	NEW COMMUNITY DEVELOPMENT WAREHOUSE/DISTRIBUTION

**SETBACKS: BUILDING:**

FRONT (SOUTH):	25 FT
SIDE (EAST):	25 FT
SIDE (WEST):	15 FT
REAR (NORTH):	15 FT

**PARKING REQUIRED:**

WAREHOUSE/DISTRIBUTION:	0.75 SPACES PER 1,000 SQ. FT.
220,822 SQ. FT.	165 SPACES
TOTAL PARKING REQUIRED:	166 SPACES

**PROVIDED PARKING:**

REGULAR 9.5'X18' PARKING SPACES:	554 SPACES
HANDICAP SURFACE PARKING SPACES:	12 SPACES
FLEET (11'X22') PARKING SPACES:	1018 SPACES
TOTAL SPACES PROVIDED:	1,582 SPACES

**OPEN SPACE:**

BUILDING AREA:	5.07 AC/220,822 SF (9.71%)
PAVEMENT AREA (IMPERVIOUS):	33.06 AC/1,440,094 SF (63.26%)
SIDEWALK AREA (IMPERVIOUS):	2.77 AC/120,688 SF (5.30%)
TOTAL OPEN SPACE AREA (PERVIOUS):	11.30 AC/492,228 SF (21.73%)
TOTAL SITE AREA:	52.20 AC/2,273,832 SF

**BUILDING AREA/HEIGHT BREAKDOWN:**

WAREHOUSE AREA:	203,065 SF (91.95%)
OFFICE AREA:	17,757 SF (8.05%)
TOTAL BUILDING AREA:	220,822 SF
TOTAL BUILDING HEIGHT:	ONE-STORY - 44'-9"

**TRAFFIC STATEMENT:**

Land Use	Total Daily Trips	AM Peak Hour Trips			PM Peak Hour Trips						
		Total	In	Out	Total	In	Out				
Autos (Associate/Employees, Delivery Van Drivers, and Taxi Fleet)	1,444	0	0	0	135	67%	90	33%	45		
Trucks	64	3	33%	1	67%	2	1	100%	1	0%	0
Delivery Vans	680	0	0	0	0	0	0	0	0	0	
<b>Total</b>	<b>2,196</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>136</b>	<b>99</b>	<b>45</b>				

**ENVIRONMENTAL PROTECTION STATEMENT**

Description	Found (Yes/No)	Agency Contact Information	Management Plan (Yes/No)	Relocation Plan (Yes/No)
Wetlands	Yes	SFWMD/USACE	Yes	No
Rare Habitat	No	NA	N/A	N/A
Threatened Species	Yes	FFWCC/USFWS	Yes	No
Endangered Species	Yes	FFWCC/USFWS	Yes	No
Species of Special Concern	No	NA	N/A	N/A
Invasive/Exotic Vegetation	No	NA	N/A	N/A

NO.	REVISIONS	DATE	BY

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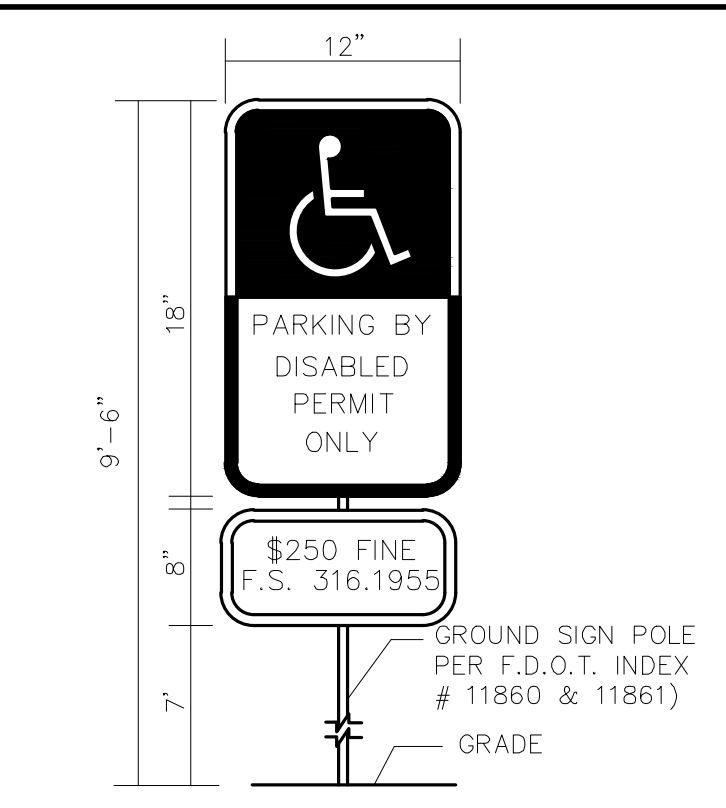
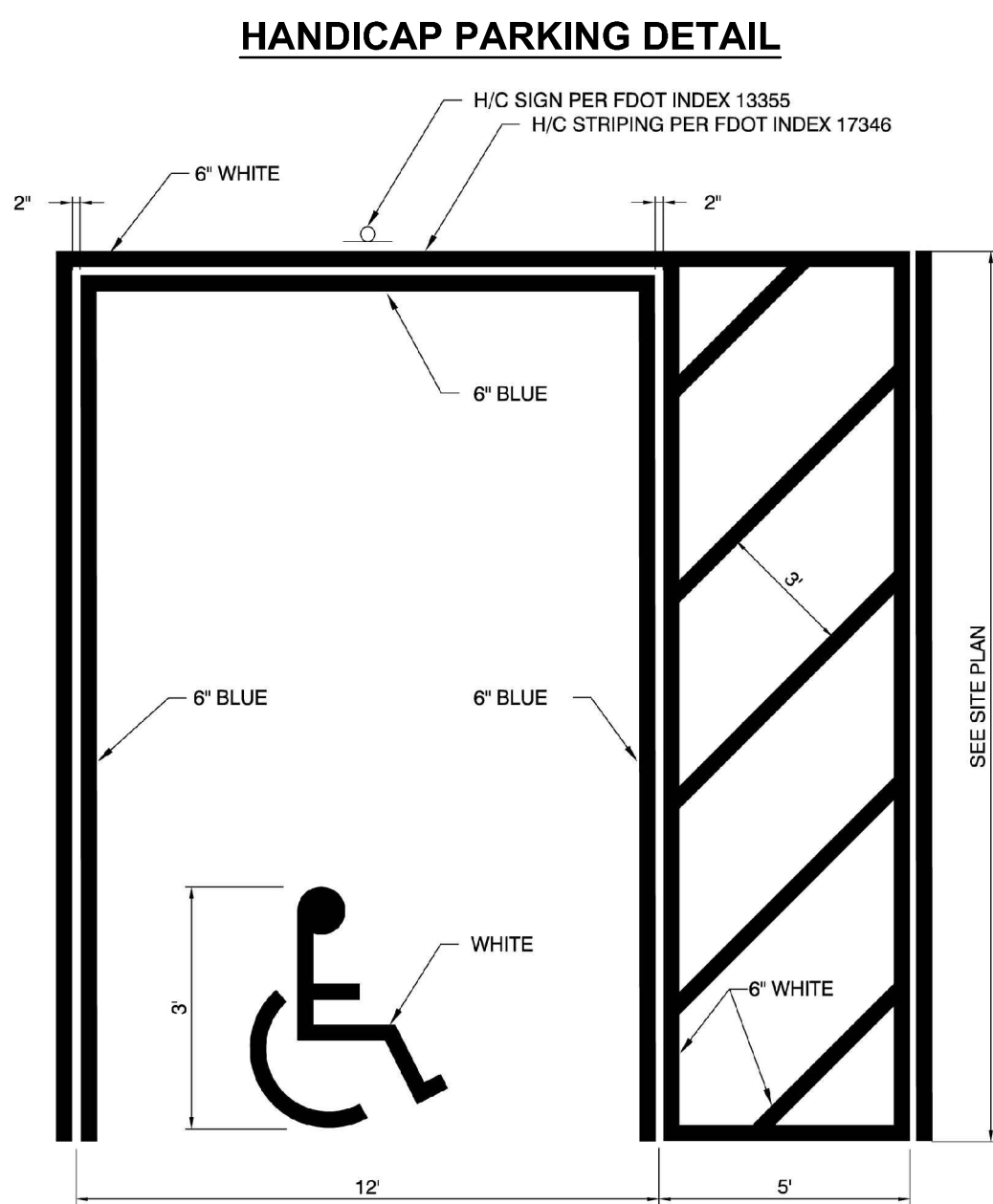
LICENSED PROFESSIONAL  
 BROOKS A. STICKLER P.E.  
 FLORIDA LICENSE NUMBER 74031  
 DATE: 4/28/2021

**OVERALL SITE PLAN**

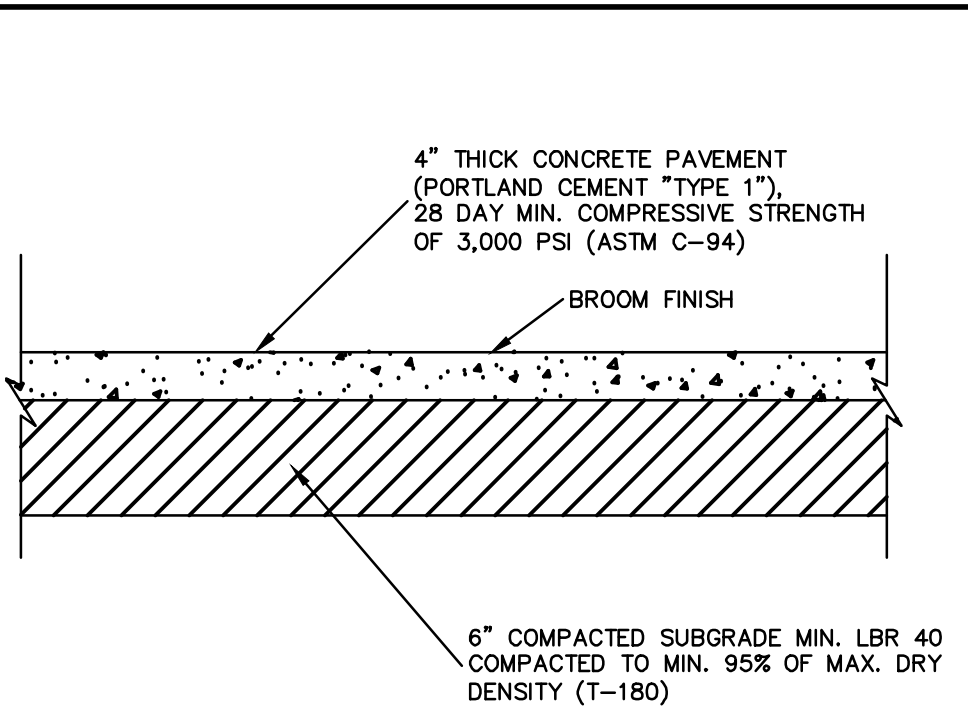
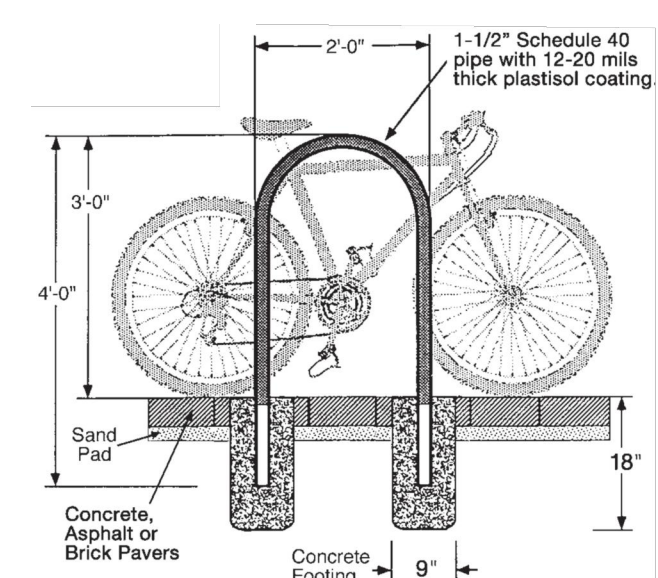
**PROJECT SENIOR**  
 CITY OF PORT SAINT LUCIE, FLORIDA  
 SHEET NUMBER C1.0



Plotted By: Wmccr, Eyan - Sheet: S11-0330m - K:\ORL\_Civil\049660000-0717\_Leaky Park\_Park\_S11-0330m - K:\ORL\_Civil\049660000-0717\_Leaky Park\_Park\_S11-0330m - SITE PLAN DETAILS.dwg  
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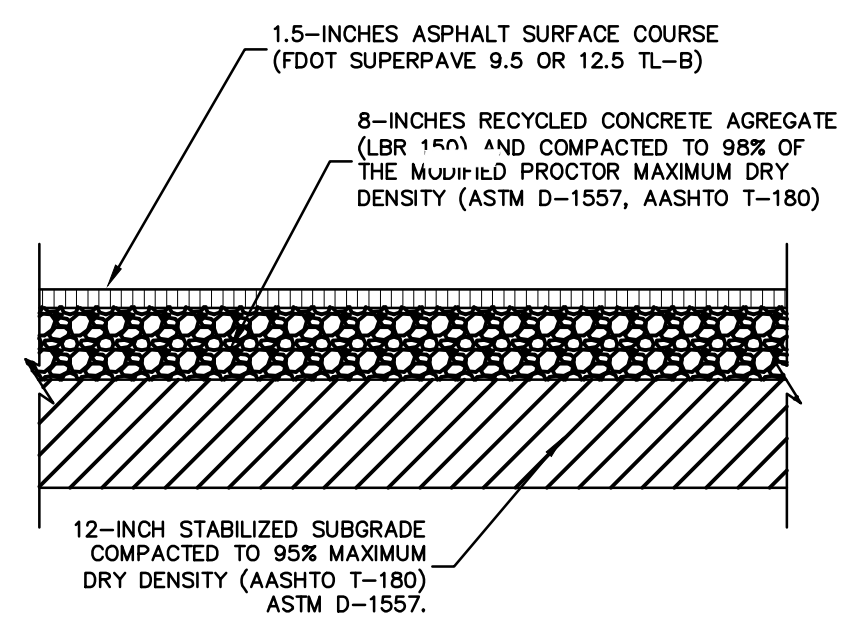


- NOTES:**
- ALL LETTERS ARE 1" SERIES "C" PER MUTCD.
  - TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
  - BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
  - FINE NOTIFICATION SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
  - ONE (1) SIGN REQUIRED FOR EACH PARKING SPACE.
  - INSTALLATION HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24-23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION (MUTCD).



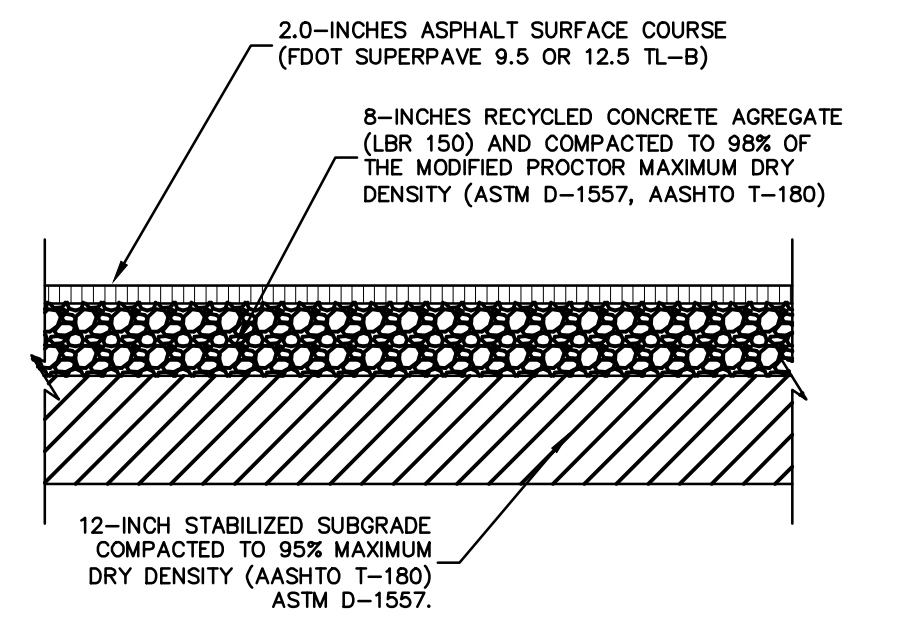
**CONCRETE SIDEWALK DETAIL**

- SIDEWALK NOTES:**
- ALL CONCRETE SIDEWALKS SHALL BE CONSTRUCTED PER FDOT DESIGN INDEX #310.



**TYPICAL ASPHALTIC CONCRETE PAVEMENT DETAIL**

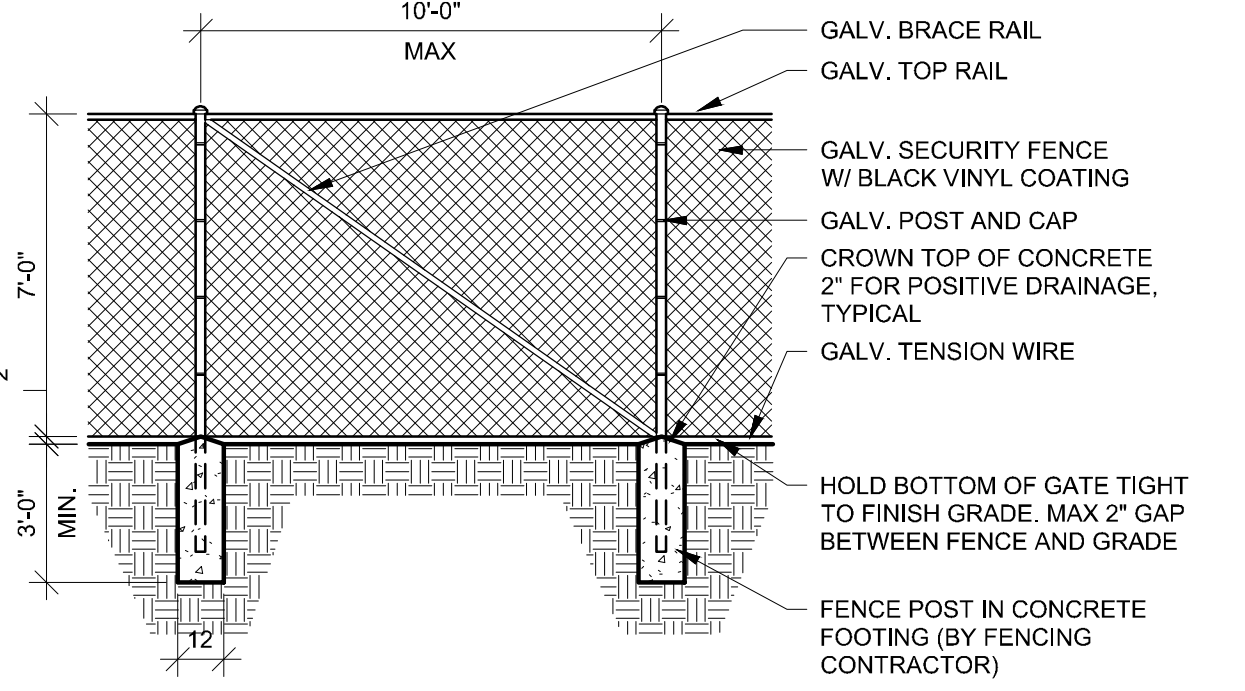
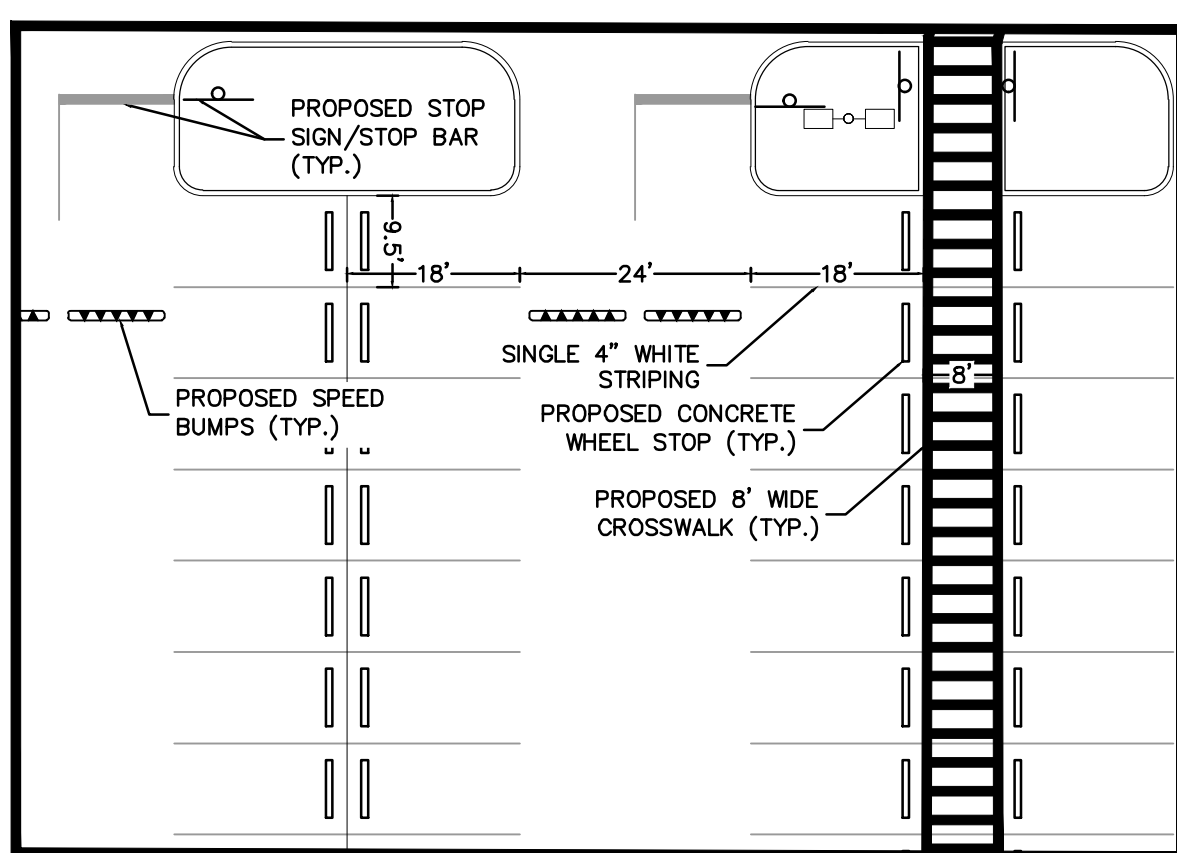
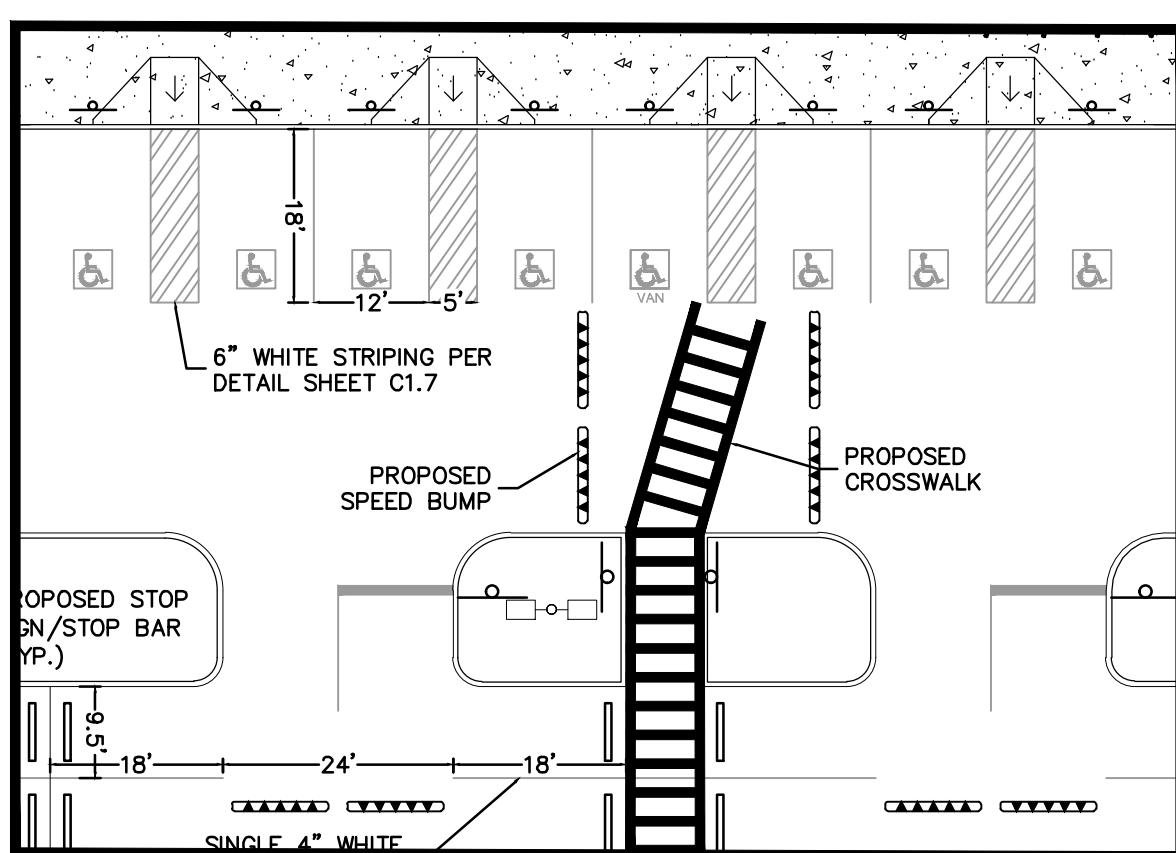
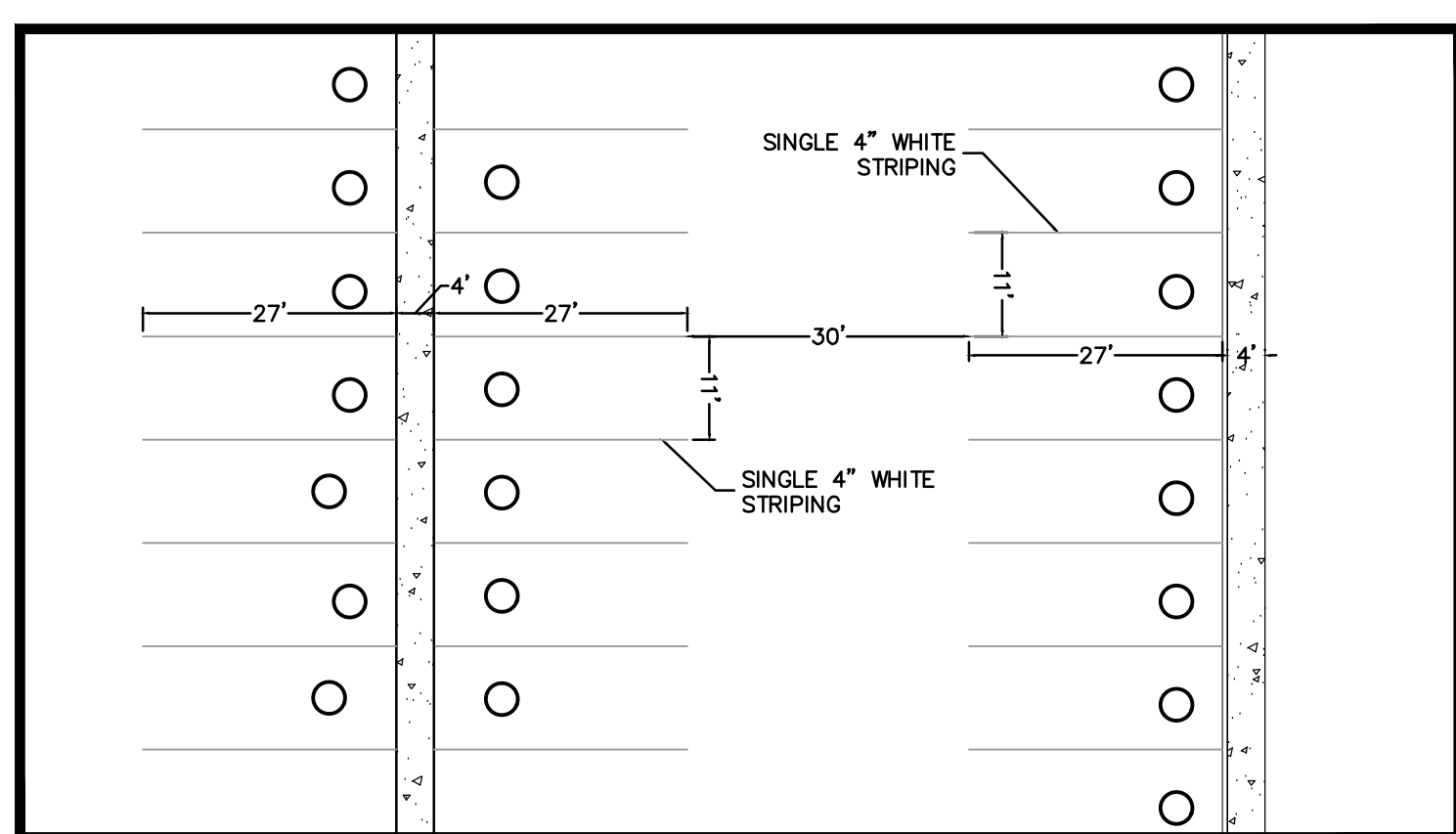
- NOTE:**
- ALTERNATIVE RECYCLED CONCRETE AGGREGATE BASE MAY BE USED. 8-INCHES RECYCLED CONCRETE AGGREGATE BASE SHALL MEET THE MATERIAL SPEC'S PER FDOT ROAD AND BRIDGE CONSTRUCTION SPECIFICATIONS (ED, 2016), SECTION 334 "GRADED AGGREGATE BASE". RECYCLED CONCRETE AGGREGATE SHOULD HAVE MINIMUM LBR OF 150 AND SHOULD BE COMPACTED TO 98% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY.



**HEAVY DUTY ASPHALTIC CONCRETE PAVEMENT DETAIL**

- NOTE:**
- ALTERNATIVE RECYCLED CONCRETE AGGREGATE BASE MAY BE USED. 8-INCHES RECYCLED CONCRETE AGGREGATE BASE SHALL MEET THE MATERIAL SPEC'S PER FDOT ROAD AND BRIDGE CONSTRUCTION SPECIFICATIONS (ED, 2016), SECTION 334 "GRADED AGGREGATE BASE". RECYCLED CONCRETE AGGREGATE SHOULD HAVE MINIMUM LBR OF 150 AND SHOULD BE COMPACTED TO 98% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY.

**HANDICAP PARKING PAVEMENT MARKING**

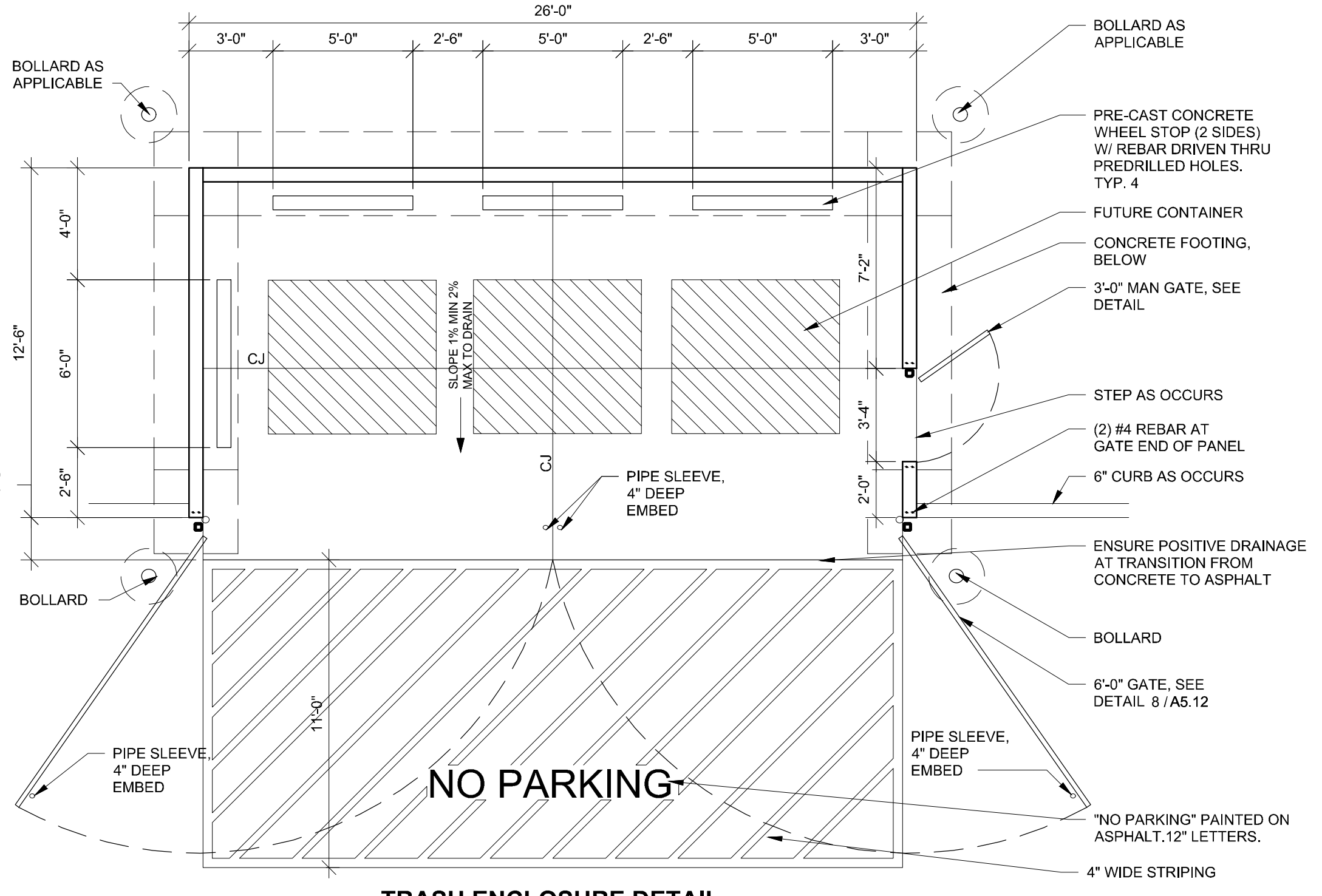


**STANDARD FLEET PARKING DETAIL**

**STANDARD ADA PARKING DETAIL**

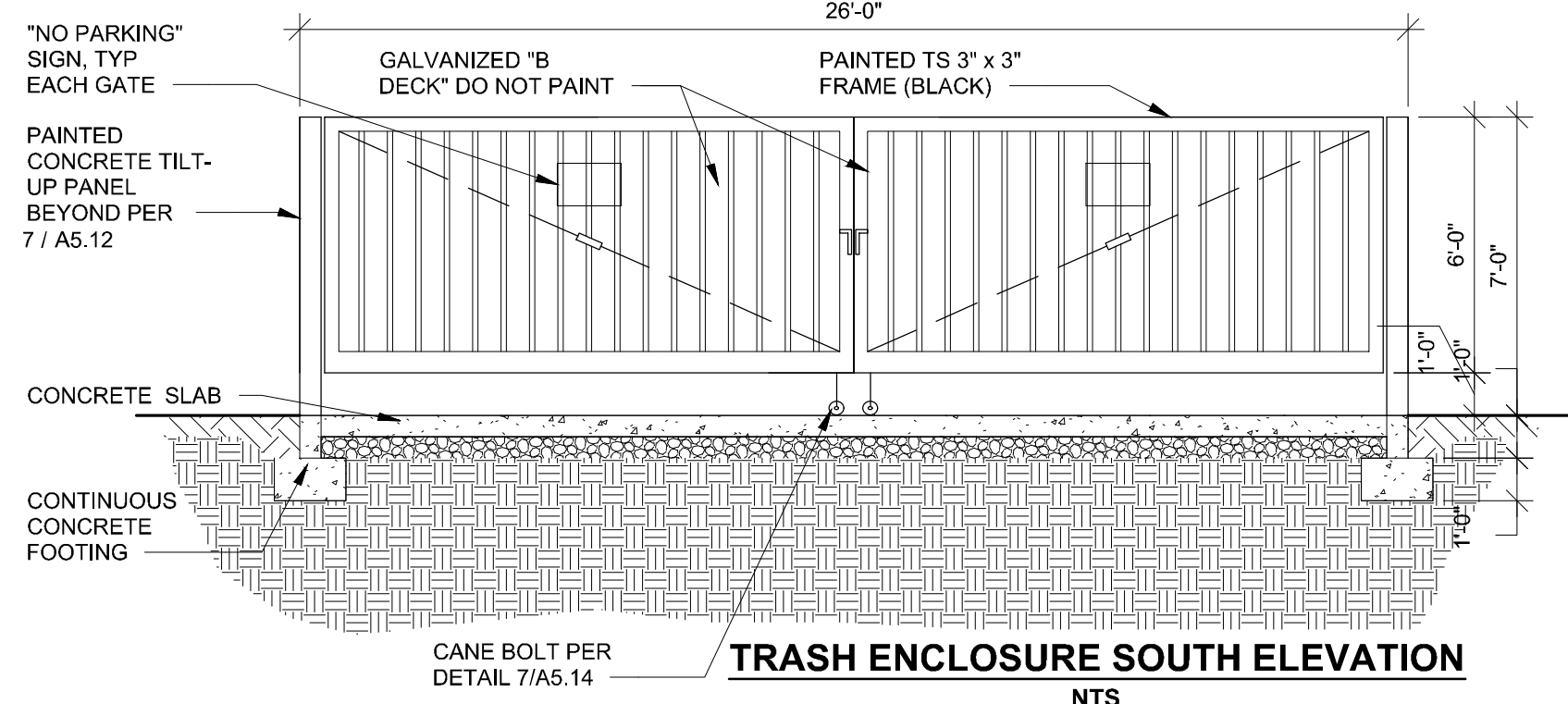
**STANDARD PARKING DETAIL**

**FENCE DETAIL**

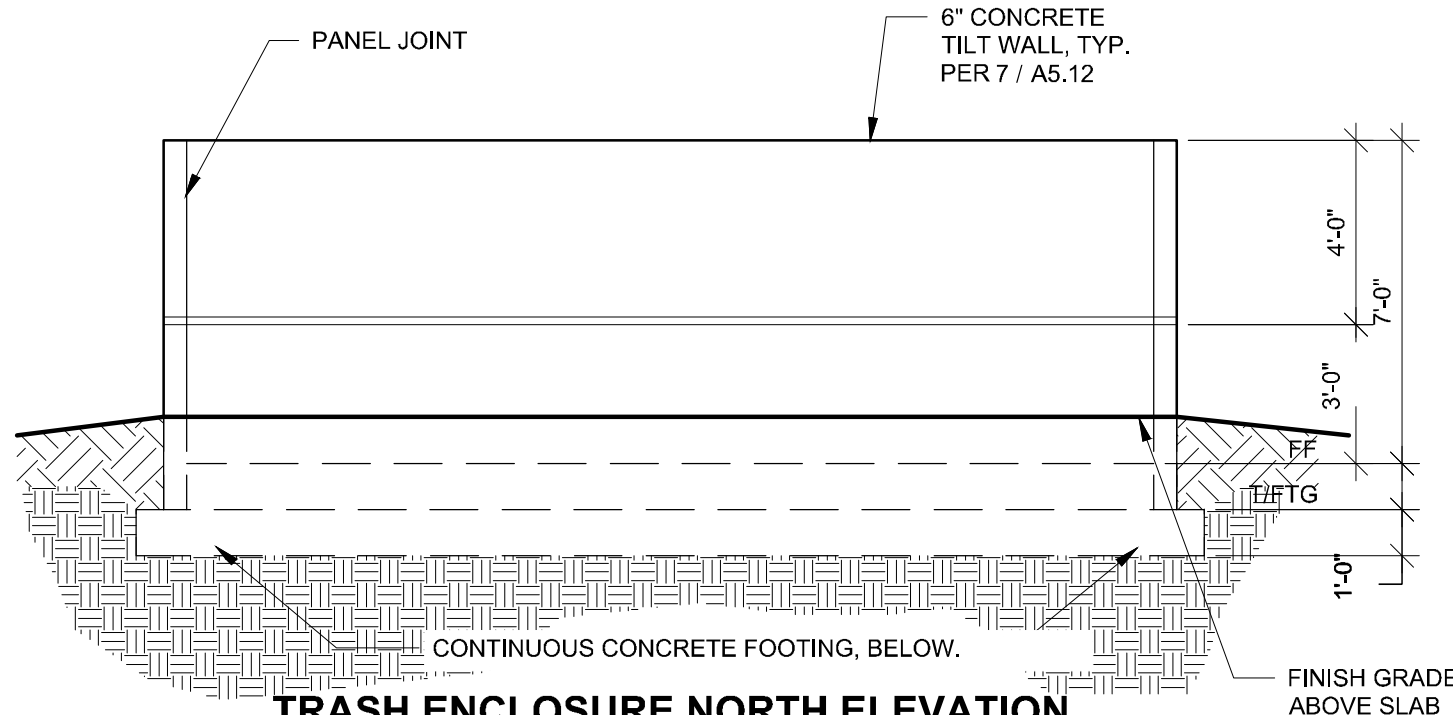


**TRASH ENCLOSURE DETAIL**

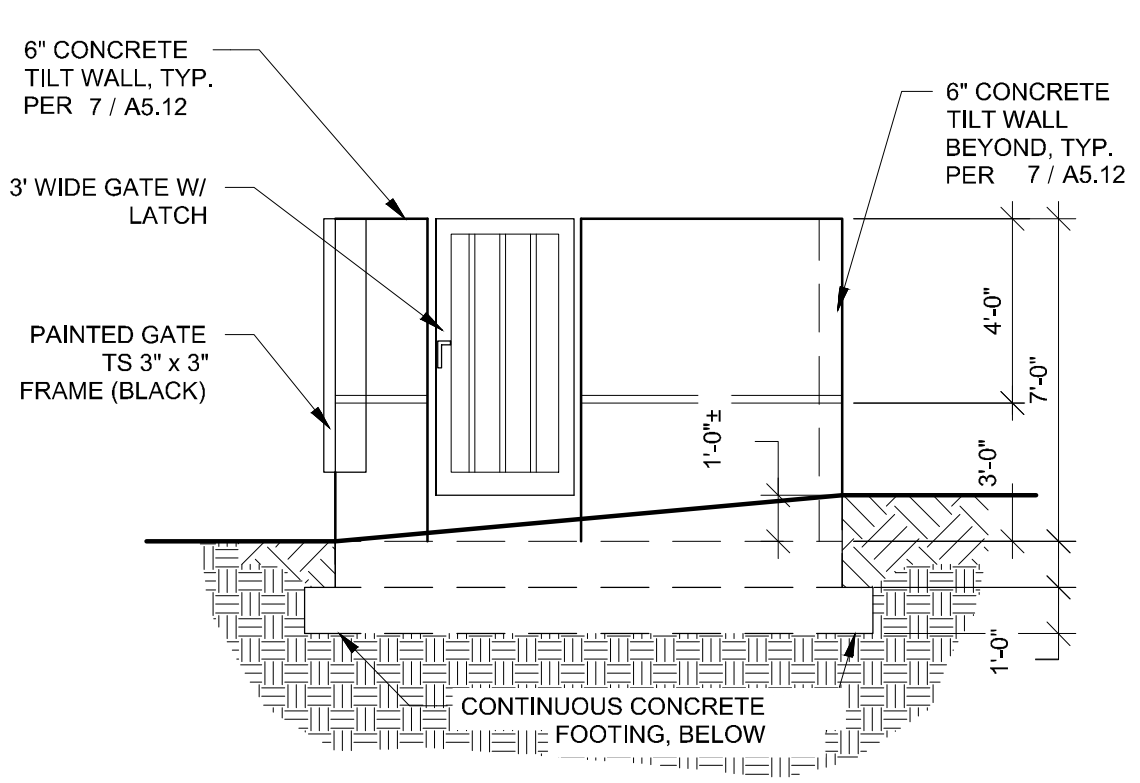
- DESIGNER NOTES:**
- BASE OF DESIGN FOR TRASH ENCLOSURE IS TILT UP CONCRETE WALLS. AOR AND EOR TO COORDINATE WITH DEVELOPER AND JURISDICTION FOR ANY ADDITIONAL REQUIREMENTS.



**TRASH ENCLOSURE SOUTH ELEVATION**



**TRASH ENCLOSURE NORTH ELEVATION**



**TRASH ENCLOSURE WEST ELEVATION**

NO.	REVISIONS	DATE	BY

**Kimley-Horn**  
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LICENSED PROFESSIONAL  
 BROOKS A. STICKLER P.E.  
 FLORIDA LICENSE NUMBER 74031  
 DATE: 4/28/2021  
 CHECKED BY: BAS

**SITE PLAN DETAILS**

**PROJECT SENIOR**

SHEET NUMBER  
**C1.1**

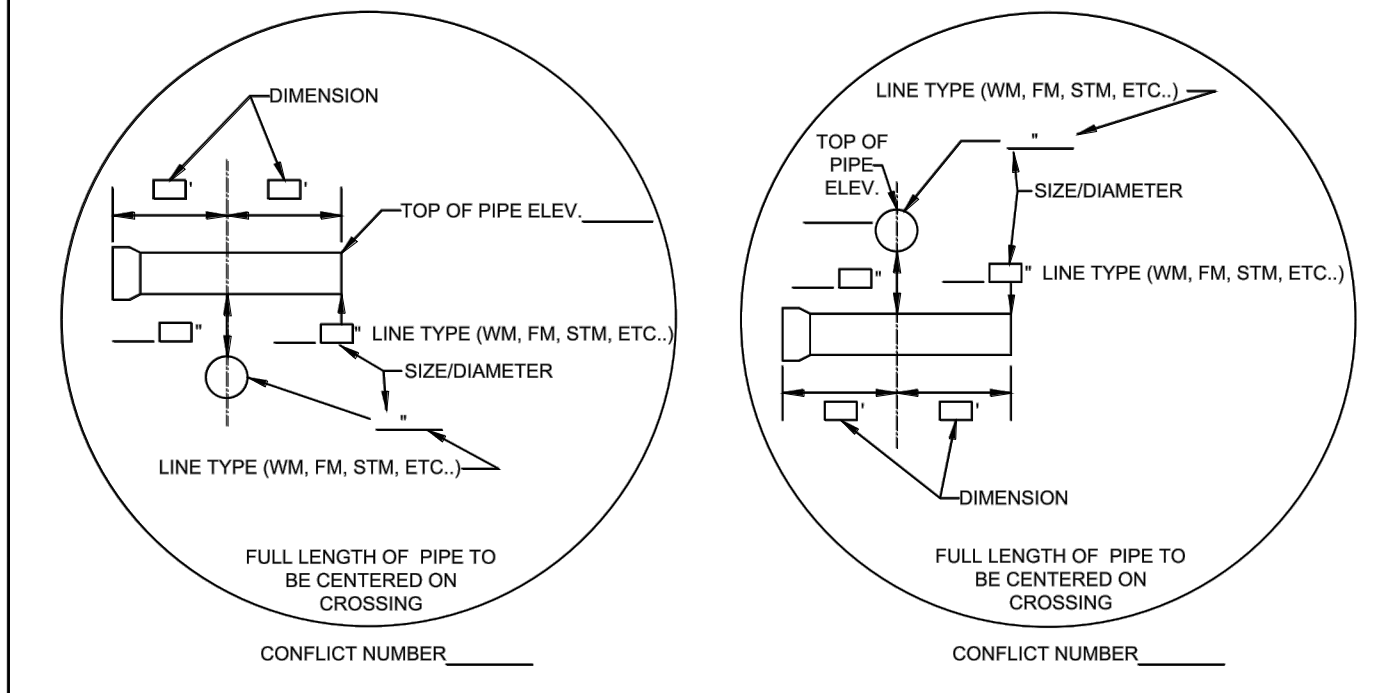
PLUSD PROJECT NO. 5360C  
 CITY OF PSL PROJECT NO. P21-057



Plotted By: Woman, Eyan - Sheet: Set: AMERICA - WAKS - CD - Layout: C8.0 - DETAILS - April 28, 2021 - 09:14:30am - K:\ORL\Civil\04960000-DFH7 - Legacy Park, Part 51 - Lucie FL CAD\DEVELOPMENT\PlanSheets\C1.2 - CITY OF - PORT ST. LUCIE - DETAILS.dwg  
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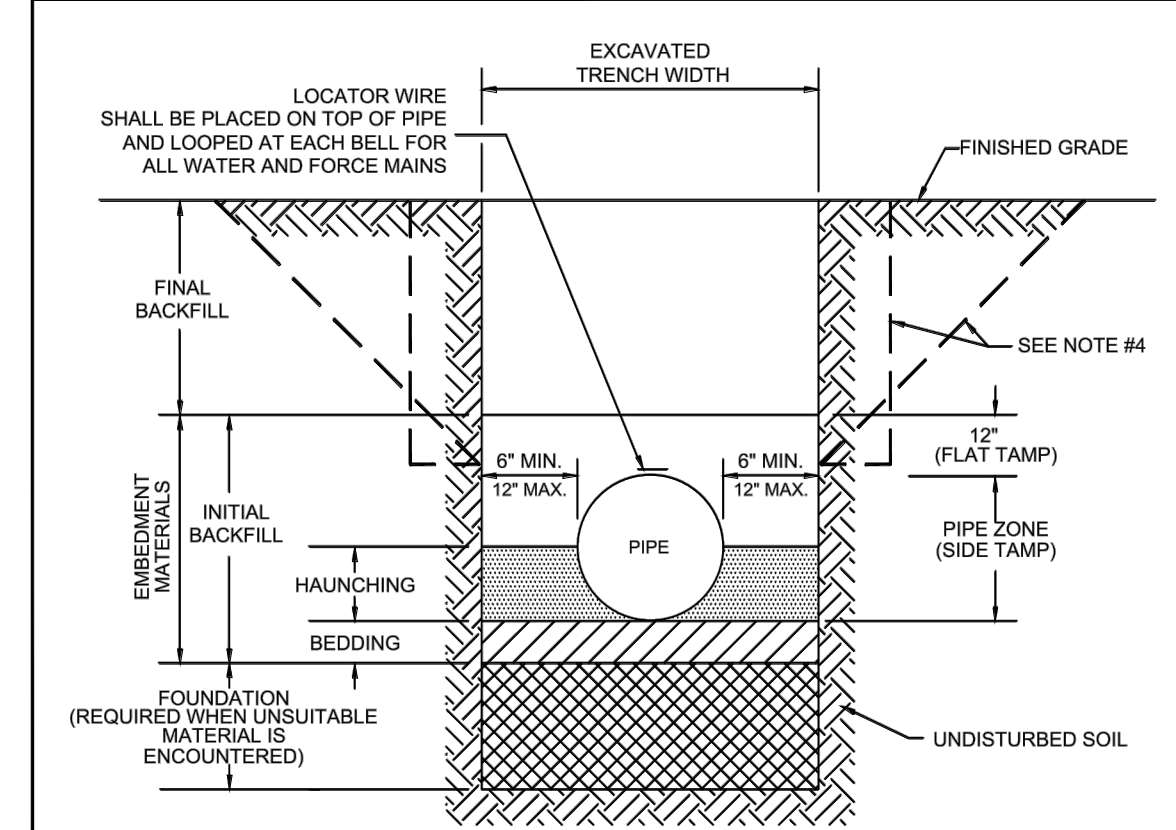
MINIMUM SEPARATION BETWEEN PSLUSD FACILITIES AND OTHER UTILITIES			
OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (2), (3), VACUUM SANITARY SERVICE, STORM SEWER, STORM SEWER FORCE MAIN	WATER MAIN 10' MINIMUM	WATER MAIN 18' MINIMUM	WATER MAIN 6' MINIMUM
ALL OTHER FACILITIES, INCLUDING BUT NOT LIMITED TO: TELEPHONE, CABLE TV, POWER, ETC.	PBLUSD FACILITY (4) 5' MINIMUM	PBLUSD FACILITY (4) 18' MINIMUM	WATER MAIN 6' 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 PBLUSD FACILITY INCLUDES MAINS AND STRUCTURES FOR POTABLE WATER, WASTEWATER AND RECLAIMED WATER.



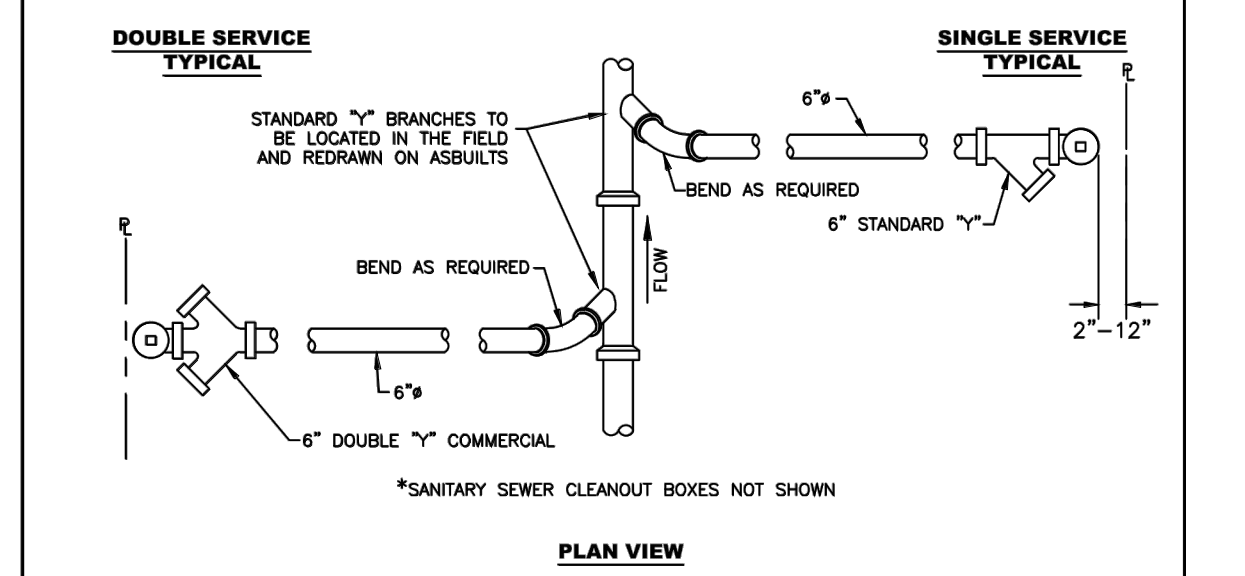
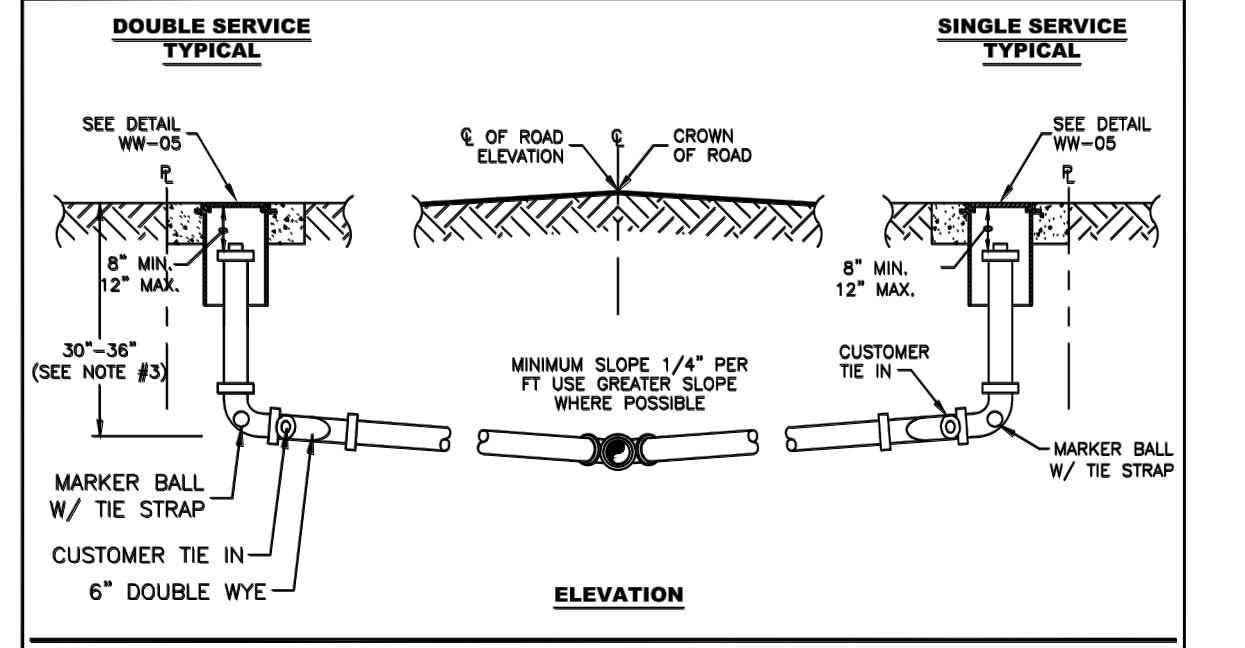
- NOTES:**
- DESIGN PLAN INFORMATION ON THE BLANK LINE.
  - RECORD DRAWING INFORMATION IN THE BOX.
  - CONFLICTS MUST BE IN NUMERICAL SEQUENCE (1, 2, 3, ETC...)
  - MUST MEET PSLUSD STANDARD SEPARATION REQUIREMENTS OF 18" MIN.

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



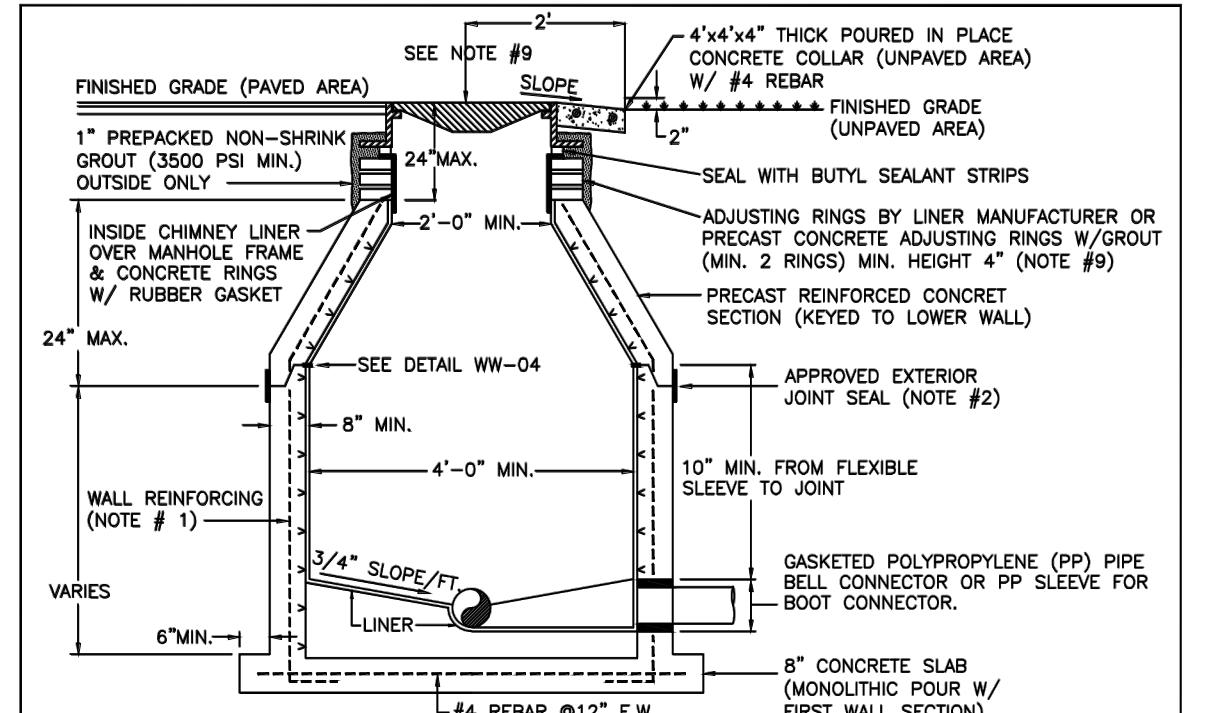
- NOTES:**
- FOR TRENCHES REQUIRING SHEETING, SHORING, STAY BRACING, TRENCH JACKS OR TRENCH BOX, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SUPPORTS.
  - IF THE MAXIMUM TRENCH WIDTH MUST BE EXCEEDED, THE AREA OUTSIDE OF THE MAXIMUM EMBEDMENT SHALL BE COMPACTED TO FINAL BACKFILL REQUIREMENTS. 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.
  - 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.
  - THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.
  - AN APPROVED LOCATOR WIRE SHALL BE USED.
  - EARTHWORK, EXCAVATION, BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE WITH PSLUSD STANDARDS.

MINIMUM CONSTRUCTION STANDARDS FOR  
 CITY OF PORT ST. LUCIE  
 909 S.E. OGDEN LANE  
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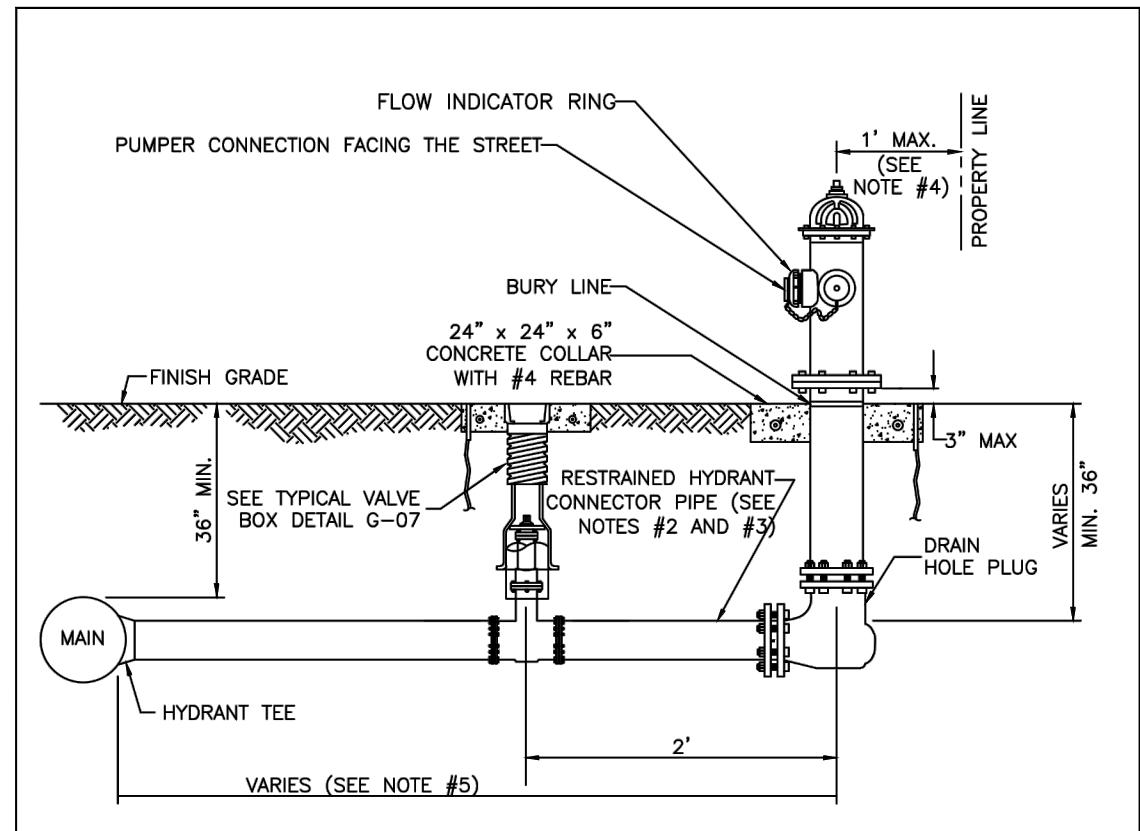
- NOTES:**
- SANITARY SEWER LATERALS SHALL BE 6" IN DIAMETER.
  - THE ENGINEER OF RECORD SHALL ENSURE THAT THE PROPOSED PLUMBING STUB-OUT ELEVATION FOR EACH BUILDING WILL ALLOW FOR A GRABTY CONNECTION TO THE SANITARY SEWER LATERAL WITH THE REQUIRED SLOPE HORIZONTAL AND VERTICAL SEPARATION SHALL BE MAINTAINED AS REQUIRED IN THE UTILITY STANDARDS MANUAL.

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



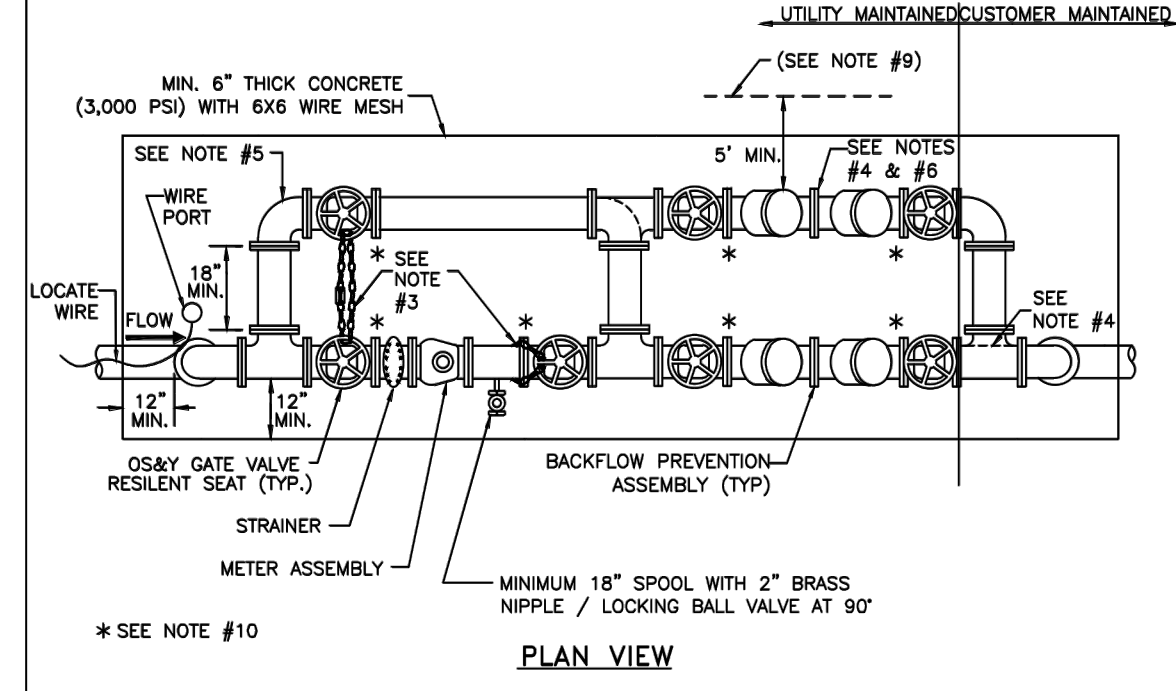
- NOTES:**
- MANHOLE FABRICATION SHALL BE IN ACCORDANCE W/ ASTM C-478, LATEST REVISION.
  - SEALANT SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATION BETWEEN MANHOLE SECTIONS & AT ALL JOINTS (SEE DETAIL WW-04). ALSO AN APPROVED EXTERNAL JOINT SEAL MAY BE APPLIED AT THE JOINTS. (EXTERNAL JOINT SEAL IS OPTIONAL)
  - ALL PIPE OPENINGS SHALL BE GAS AND WATER TIGHT WITH NO EXPOSED CONCRETE SURFACES.
  - CAST OPENINGS SHALL BE MANUFACTURED WITH PRECAST HOLE W/ CAST-IN LINER SLEEVE SIZED FOR APPROPRIATE PIPE AND FLEXIBLE CONNECTOR. APPROVED FLEXIBLE MANHOLE CONNECTORS SHALL BE USED AT PIPE CONNECTIONS. HOLE SIZE PER BOOT MANUFACTURER'S SPECIFICATIONS. DOUBLE STAINLESS STEEL PIPE CLAMPS MUST BE INSTALLED ON THE FLEXIBLE SLEEVES WHERE REQUIRED BY BOOT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - FLOW CHANNELS SHALL BE CONSTRUCTED TO DIRECT FLOW INTO FLOW STREAM (SEE DETAIL WW-01).
  - LIFT HOLES ARE PERMITTED BUT MUST BE GROUTED ONCE MANHOLE IS IN PLACE.
  - MANHOLE AND BASE WILL BE LINED INSIDE WITH AN APPROVED LINER SYSTEM.
  - AN APPROVED COVER & FRAME SHALL BE PROVIDED. APPROVED INSIDE MANHOLE CHIMNEY SEALANT SHALL BE APPLIED OVER THE MANHOLE FRAME, CONCRETE RINGS, AND LINER SECTION IN ACCORDANCE WITH THE SPECIFICATIONS.
  - MAXIMUM HEIGHT OF CHIMNEY SHALL NOT EXCEED 24 INCHES INCLUDING FRAME CASTING.

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- NOTES:**
- HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C600. THE HYDRANTS SHALL BE PAINTED BY THE MANUFACTURER WITH 2 COATS (MIN.).
  - VERTICAL BENDS MAY BE NECESSARY TO OBTAIN COVER UNDER SWALES OR AT HYDRANT LOCATION. VERTICAL BENDS OR OFFSETS ARE INCLUDED IN HYDRANT ASSEMBLY. ALL BENDS MUST BE RESTRAINED.
  - CONNECTOR PIPE AND ANY REQUIRED VERTICAL BENDS SHALL HAVE AN ANCHORING FEATURE ON BOTH ENDS SO THAT WHEN USED WITH M.J. SPLIT GLANDS, A RESTRAINED JOINT IS PROVIDED.
  - WHEN INSTALLED WITH SIDEWALK OR CURB, PROVIDE MIN. 2 FOOT CLEARANCE TO ANY PORTION OF THE HYDRANT, UTILIZING THE SIDE LOT EASEMENT IF NECESSARY.
  - A GATE VALVE SHALL BE INSTALLED WITHIN 2 FEET OF THE FIRE HYDRANT. IF DISTANCE FROM THE WATER MAIN TO THE FIRE HYDRANT IS GREATER THAN 20 FEET, A SECOND GATE VALVE SHALL BE INSTALLED WITHIN 2 FEET OF THE MAIN.
  - ANY DEVIATIONS FROM THE CRITERIA ABOVE REQUIRE A WRITTEN RECOMMENDATION FROM THE ENGINEER-OF-RECORD AND WRITTEN APPROVAL BY PSLUSD.

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- NOTES:**
- ALL PIPE AND FITTINGS SHALL BE CLASS 53 DUCTILE IRON.
  - ALL UNDERGROUND FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT TYPE & ALL ABOVE GROUND FITTINGS SHALL BE FLANGE JOINTS, FULL FACE NEOPRENE GASKETS WITH STAINLESS STEEL BOLTS.
  - STAINLESS STEEL CHAINS (1/4" MIN.) & LOCKS FOR THE VALVES SHALL BE PROVIDED AS REQUIRED BY THE PSLUSD.
  - A BACKFLOW PREVENTION ASSEMBLY MAY NOT BE REQUIRED ON THE BY-PASS LINE IF THE CUSTOMER SUBMITS A WRITTEN REQUEST TO THE PSLUSD FOR APPROVAL. IF APPROVED, AN ELBOW SHALL BE USED INSTEAD OF THE TEE AND A REVISED DETAIL SHALL BE SUBMITTED TO THE PSLUSD.
  - METER BY-PASS LINE SHALL BE THE SAME SIZE AS SUPPLY TO METER.
  - BACKFLOW PREVENTION ASSEMBLY ON THE BY-PASS LINE SHALL BE SAME SIZE AND TYPE AS THE MAIN BACKFLOW PREVENTION ASSEMBLY.
  - THE ENGINEER-OF-RECORD SHALL SIZE METER AND BACKFLOW PREVENTION ASSEMBLY, TAKING INTO CONSIDERATION THE TYPICAL HEAD LOSS FOR EACH.
  - 12" MIN. / 24" MAX. CLEARANCE IS REQUIRED FROM THE TOP OF THE CONCRETE PAD TO THE BOTTOM OF THE RELIEF VALVE.
  - A 5' MIN. CLEAR ZONE SHALL BE LOCATED ON ALL SIDES OF THE BACKFLOW PREVENTION ASSEMBLIES.
  - STAINLESS STEEL ADJUSTABLE PIPE SUPPORTS SHALL BE PROVIDED FOR SUPPORT UNDER EACH GATE VALVE AND ANCHORED IN THE CONCRETE PAD.
  - AT THE DIRECTION OF THE PSLUSD, BOLLARDS MAY BE REQUIRED TO PREVENT DAMAGE FROM ACCIDENTS. REFER TO DETAIL G-15 FOR BOLLARD INSTALLATION.
  - A BRASS PLUG SHALL BE INSTALLED IN ALL TEST PORTS.

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NO.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL  
 KHA PROJECT 049660000  
 DATE 4/28/2021  
 SCALE AS SHOWN  
 DESIGNED BY C/JW  
 DRAWN BY C/JW  
 CHECKED BY BAS  
 DATE: 4/28/2021

BROOKS A. STICKLER P.E.  
 FLORIDA LICENSE NUMBER 74031

PROJECT SENIOR  
 CITY OF PORT SAINT LUCIE, FLORIDA  
 SHEET NUMBER C1.2



