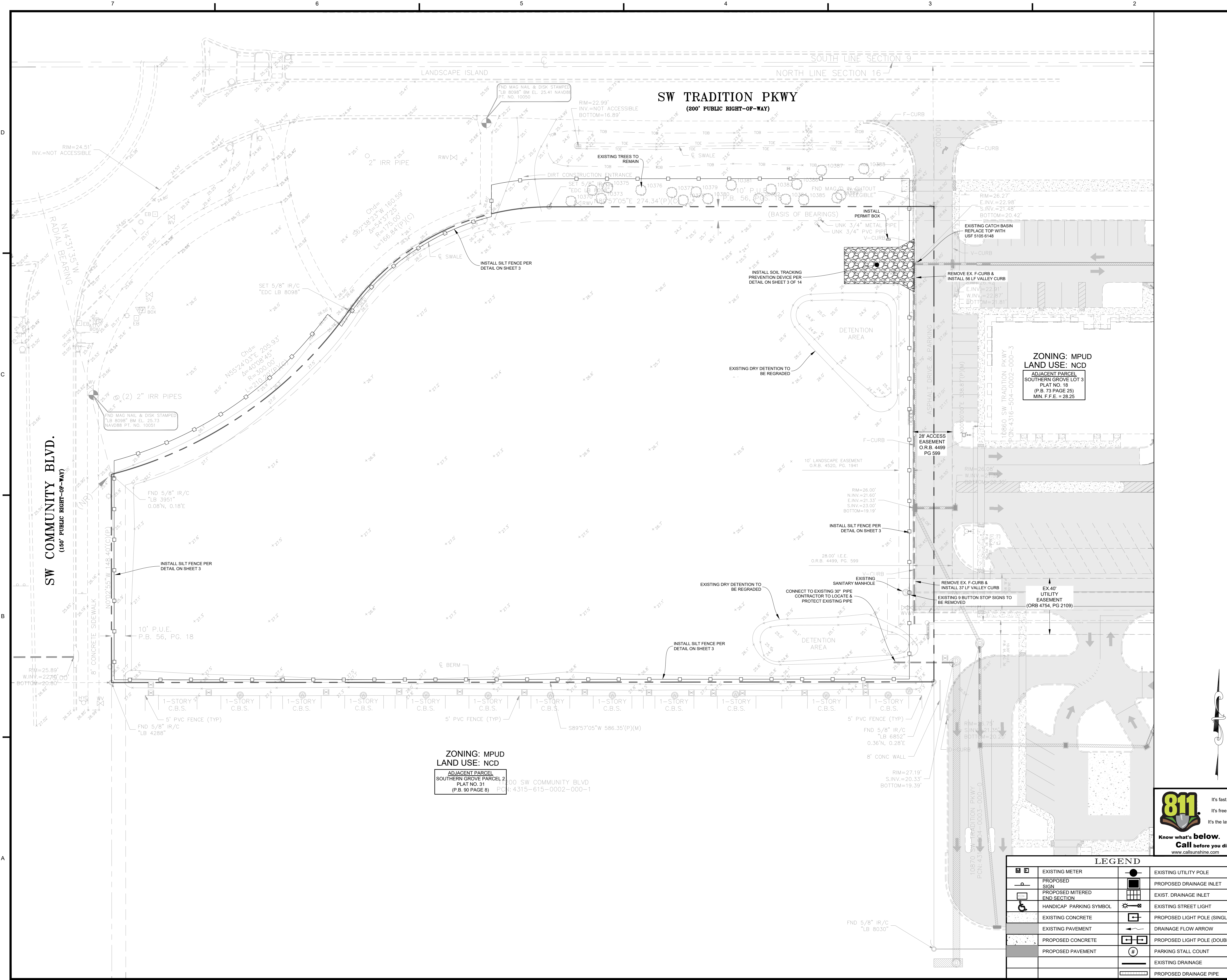


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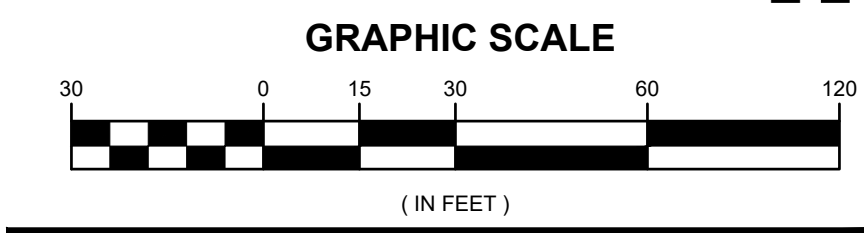
**VERTICAL DATUM NOTE:**  
 ALL ELEVATION SHOWN HERE REFERENCE THE NORTH AMERICAN VERTICAL DATUM NAVD88.  
 CONVERSION: NGVD29 = NAVD88 + 1.5

- NOTE TO CONTRACTOR:**
1. ALL PIPE ELEVATIONS SHALL BE FIELD VERIFIED BEFORE COMMENCEMENT.
  2. CONTRACTOR TO REGRADE & SOD ALL DISTURBED AREAS.
  3. 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).
  4. CONTRACTOR TO INSTALL SOD ADJACENT TO SIDEWALK AT FINISHED GRADE. ALL HANDHOLE RIMS ARE TO BE INSTALLED AT FINISHED GRADE.

**ZONING: MPUD  
 LAND USE: NCD**

**ZONING: MPUD  
 LAND USE: NCD**

ADJACENT PARCEL  
 SOUTHERN GROVE PARCEL 2  
 PLAT NO. 31  
 (P.B. 90 PAGE 8)



REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				

**NOT FOR CONSTRUCTION**

**HALEY WARD**  
 ENGINEERING | ENVIRONMENTAL | SURVEYING  
 LAND PLANNING | INTERIOR DESIGN  
 10250 Village Parkway, Suite 201  
 Port Saint Lucie, Florida 34987  
 772.462.2455  
 WWW.HALEYWARD.COM

PROJECT  
**VITAS 12-BED INPATIENT HOSPICE FACILITY  
 (FKA VITAS - TRADITION)**  
 PORT SAINT LUCIE, FLORIDA

TITLE  
**EXISTING CONDITIONS, DEMOLITION,  
 & STORMWATER  
 POLLUTION PREVENTION PLAN**

DATE	SCALE	
12/16/2025	AS SHOWN	
DRAWN BY VER	DESIGNED BY ---	CHECKED BY ---
PROJECT No. 20-288 ENG 12-16-25.DWG	DRAWING No. <b>C-101</b>	REV.

J.R. HARRISON, P.E. (DATE)  
 #82270  
 10250 SW VILLAGE PARKWAY - SUITE 201  
 PORT SAINT LUCIE, FL 34987  
 772-462-2455

PSLUSD FILE#5386  
 PLANNING & ZONING DEPT.  
 SITE PLAN REVIEW #P21-003-A1



**LEGEND**

	EXISTING METER		EXISTING UTILITY POLE
	PROPOSED SIGN		PROPOSED DRAINAGE INLET
	PROPOSED MITERED END SECTION		EXIST. DRAINAGE INLET
	HANDICAP PARKING SYMBOL		EXISTING STREET LIGHT
	EXISTING CONCRETE		PROPOSED LIGHT POLE (SINGLE)
	EXISTING PAVEMENT		DRAINAGE FLOW ARROW
	PROPOSED CONCRETE		PROPOSED LIGHT POLE (DOUBLE)
	PROPOSED PAVEMENT		PARKING STALL COUNT
	EXISTING DRAINAGE		PROPOSED DRAINAGE PIPE

Section 1	Project Name and location information:	Vitas - Tradition, Section 16, Township 37S, Range 39E, Port St Lucie, FL
Section 2	Describe the nature of the construction activity:	Buildings w/ Parking, Drainage Infrastructure, and Water & Sewer Infrastructure
Section 3	Describe the intended sequence of major soil disturbing activities:	0-2 days, site prep and stabilized construction entrance; 3-6 days, install perimeter sediment and erosion controls; 7-60 days, install stormwater retention basin; 7-10 days, clearing/grubbing over all areas; 11-90 days, site grading; 90-150 days, install storm sewer and utilities; 150-180 days, stabilize site
Section 4	Total area of the site:	3.92 Acres
Section 5	Total area of the site to be disturbed:	3.92 Acres
Section 6	Existing data describing the soil or quality of any stormwater discharge from the site:	Subsurface Soil Exploration and Geotechnical Engineering Evaluation Vitas Assisted Living Facility - Tradition Port St Lucie, St. Lucie County, Florida AAACE file no. 20-286
Section 7	Estimate the drainage area size for each discharge point:	3.92 Acres
Section 8	Latitude and longitude of each discharge point and identify the receiving water or MS4 for each discharge point:	N27°15'46", W80°26'05"
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.	<ul style="list-style-type: none"> <li>Prior to clearing, a silt fence (trenched 6 inches deep and backfilled on the uphill side), shall be installed around the perimeter of the site. A rock entrance road (that is 60ft long with a 6 inch depth of FDOT #1 stone and lined with filter fabric) shall be constructed to minimize the effects of truck traffic and sedimentation tracking both on and off of the site. There will be only one construction entrance at this site.</li> <li>After the initial site grading work, all proposed inlet(s) / outfall, once installed, shall be protected from erosion and sediment runoff by the use of filter fabric and properly installed inlet filters. Disturbed portions of the site where construction activities have permanently ceased shall be stabilized with sod or other permanent stabilization methods (if other methods are used, this SWPPP will be modified) no later than 7 days after the last construction activity. Seeding shall be the same as in temporary seeding.</li> <li>All installation shall be commenced as depicted on the attached site map and installation "typicals" sheet.</li> </ul>
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 preservation, etc.	<ul style="list-style-type: none"> <li>Temporary seeding shall be rye grass or other appropriate ground covers depending upon season of installation that is applied at manufacturer's recommendations to any disturbed areas that are inactive more than 7 days.</li> <li>Sod shall be used to stabilize the sides of the detention basins.</li> <li>Filter fabric shall be placed under the rock entrance / exit.</li> <li>Vegetative buffers shall be left undisturbed along the boundaries of the property, with the exception of exotic vegetation removal.</li> </ul>
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.	<ul style="list-style-type: none"> <li>A silt fence (with the same installation as indicated under the Best Management Practices heading) shall be placed around the entire perimeter of each construction phase.</li> <li>A wet detention basin shall be constructed which may be used as a temporary sediment basin (prior to being connected to a discharge structure) if needed. Care shall be taken to assure the removal of accumulated fine sediments and that the excessive compaction of soil by construction machinery is avoided.</li> <li>Inlets / Outfalls shall be protected with filter fabric and properly installed inlet filters (with the same installation as indicated under the Best Management Practices heading).</li> </ul>
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.	No temporary sedimentation basins are proposed. The detention basins (prior to being connected to a discharge structure) may be used as a temporary sediment basin if needed.
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.	A stormwater detention basin shall be constructed per ERP permit and all disturbed areas shall be grassed.

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.	<p>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:</p> <ul style="list-style-type: none"> <li>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.</li> <li>Maintenance shall be performed on the rock entrance when any void spaces are full of sediment.</li> <li>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.</li> <li>Bare areas of the site that were previously seeded shall be reseeded per manufactures' instructions.</li> <li>Mulch and sod that has been washed out shall be replaced immediately.</li> <li>Maintain all other areas of the site with proper controls as necessary.</li> </ul>
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.	<p>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.</p>
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.	It is expected that the following non-stormwater discharges may occur from the site during construction period: wash water (where no spills or leaks of toxic or hazardous materials have occurred), and uncontaminated groundwater (from dewatering excavation). Dewatering shall be done in accordance with the requirements of the SFWMD Water Use Permit. If said discharges do occur, they will be directed to the temporary sediment basin prior to discharge. Turbid water from the stormwater pond shall not be pumped directly into the receiving waters. Any pumped water from the stormwater pond shall be treated so as to not allow a discharge of polluted stormwater. Treatment can include silt fences, settling ponds, the proper use of flocculating agents, or other appropriate means.
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 thereunder."

Name	Title	Company Name, Address and Phone Number	Date

DESCRIPTION	FOUND (YES/NO)	AGENCY CONTACT INFORMATION	MANAGEMENT PLAN (YES OR NO)	RELOCATION PLAN (YES OR NO)
WETLANDS	NO	---	NO	NO
RARE SPECIES	NO	N/A	NO	NO
THREATENED SPECIES	NO	N/A	NO	NO
ENDANGERED SPECIES	NO	N/A	NO	NO
LISTED SPECIES	NO	N/A	NO	NO
INVASIVE/EXOTIC VEGETATION	YES	N/A	NO	---

PLEASE REFER TO ENVIRONMENTAL ASSESSMENT COMPLETED BY EDC, INC. ON SEPTEMBER 14, 2020.

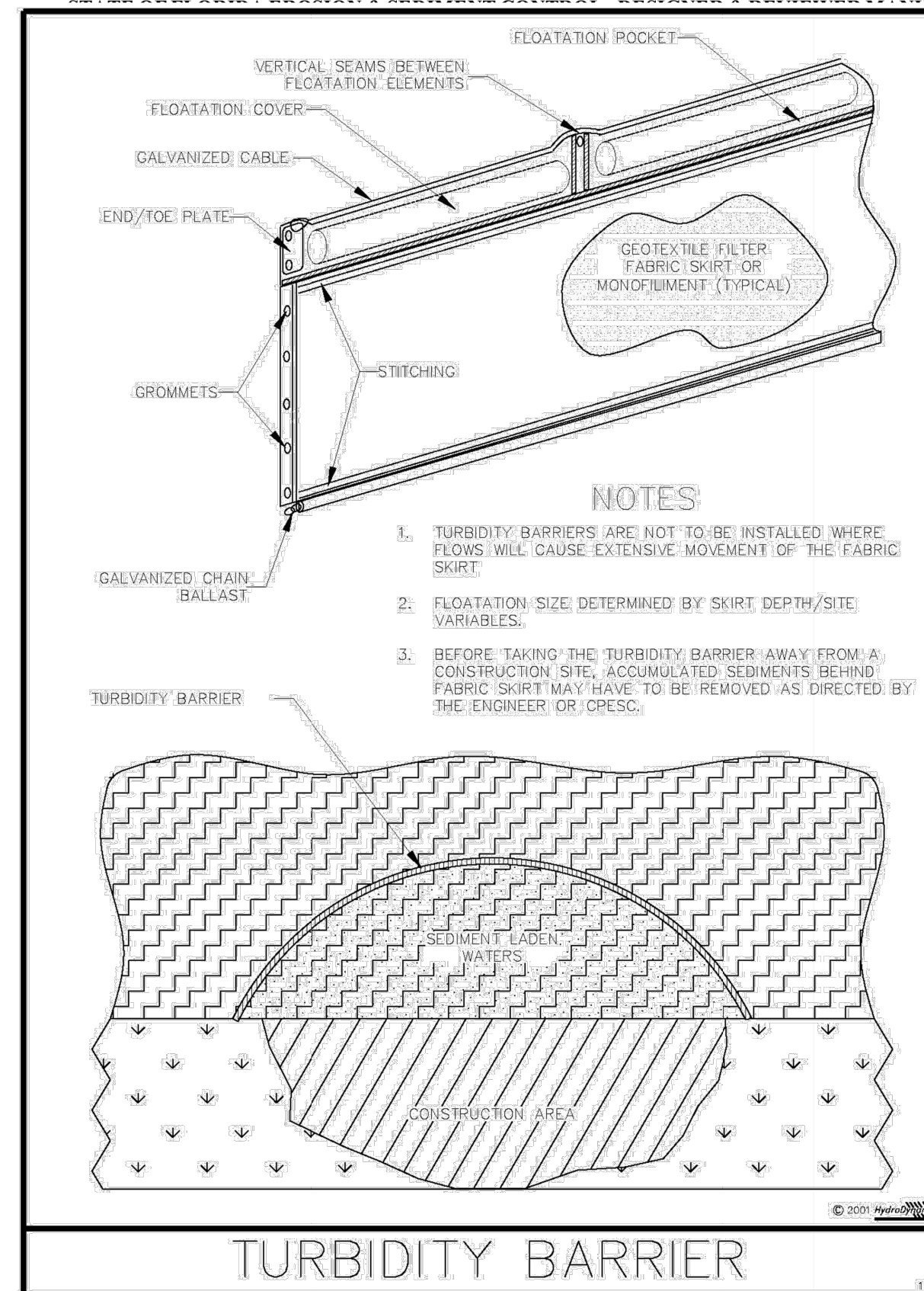


Figure V-44: Illustration of a Turbidity Barrier Curtain

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CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

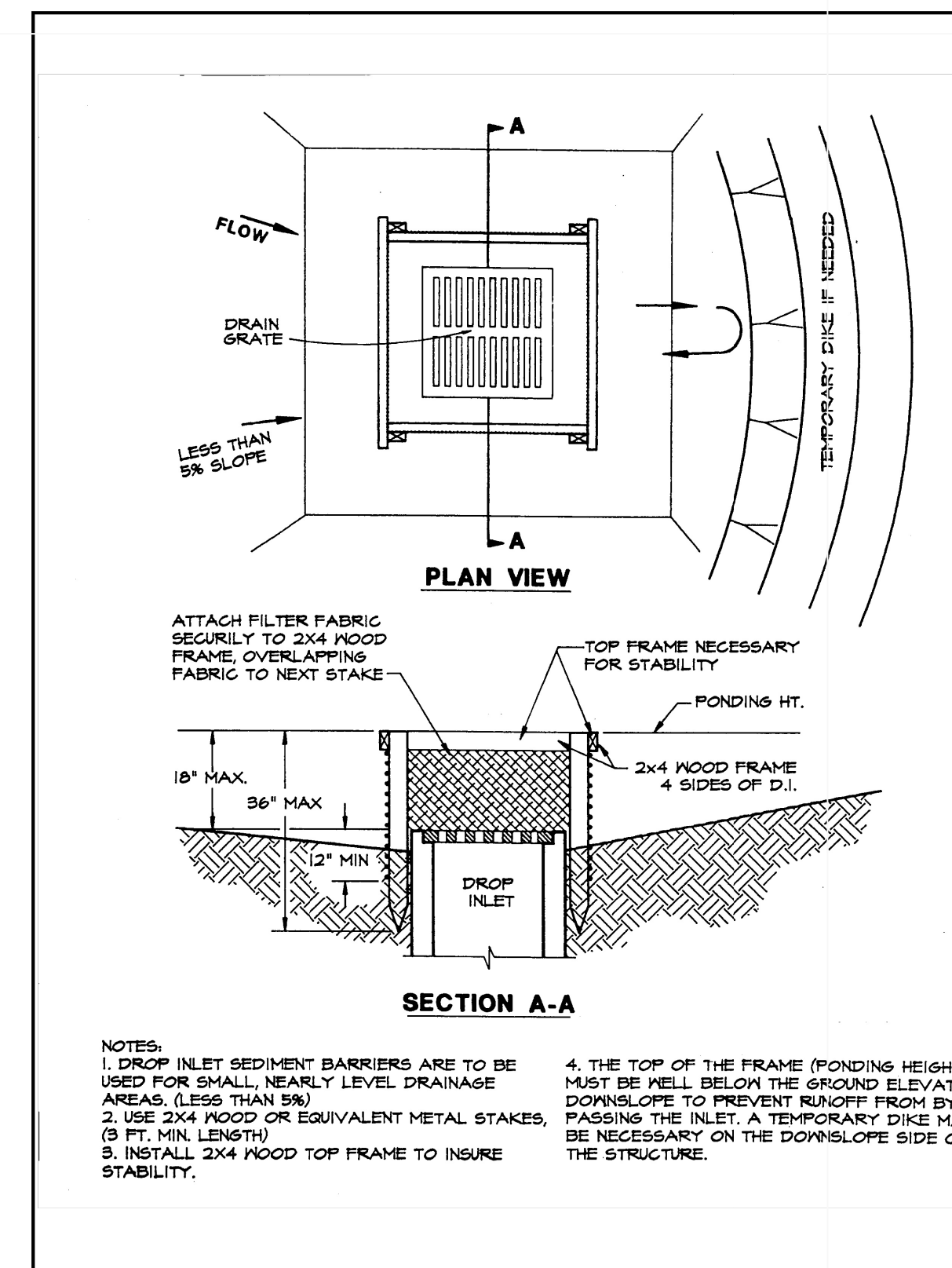


Figure 4.5a. Silt Fence Drop Inlet Sediment Barrier

Source: Erosion Draw

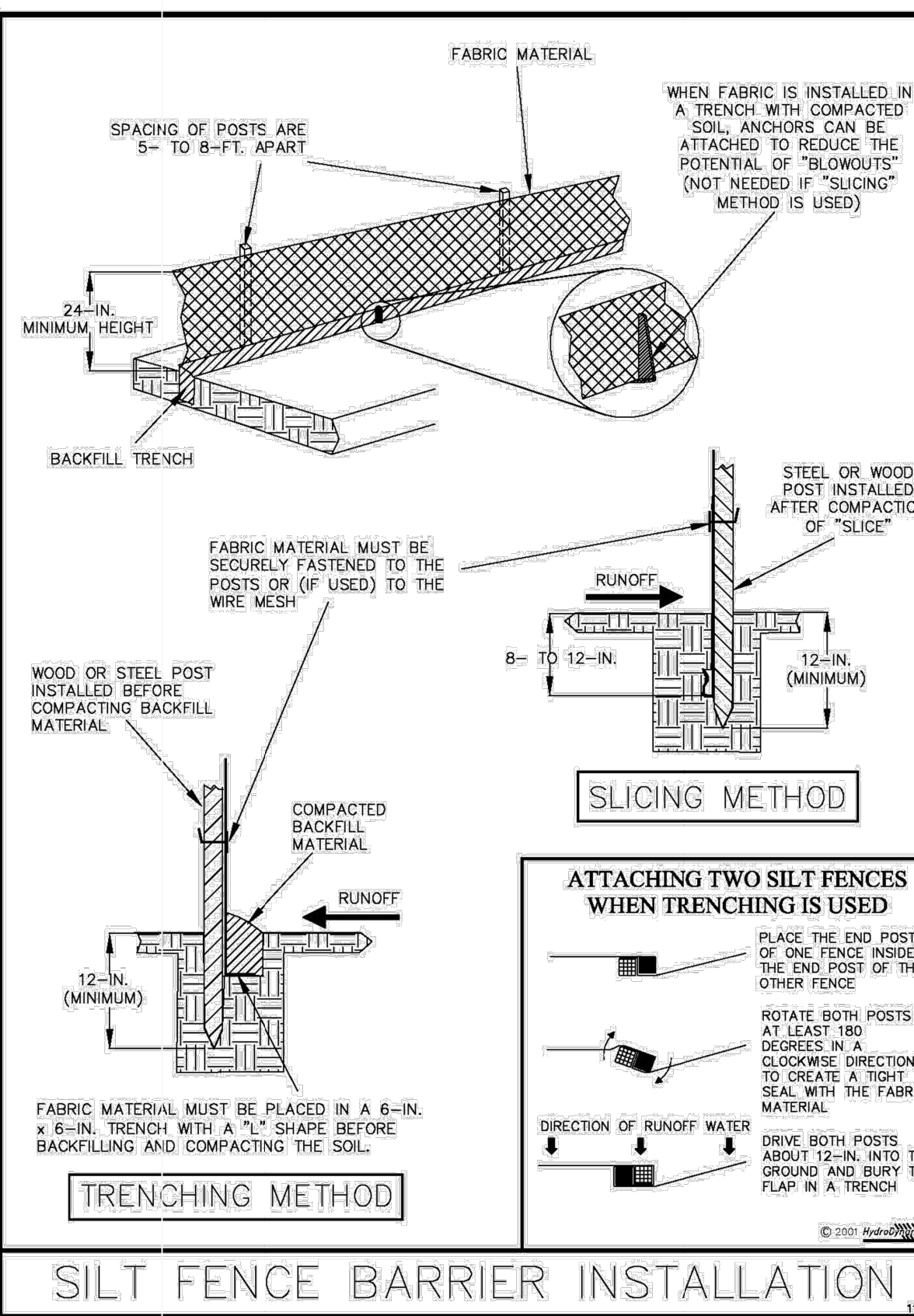


Figure V-40: Illustration of a Silt Fence Barrier

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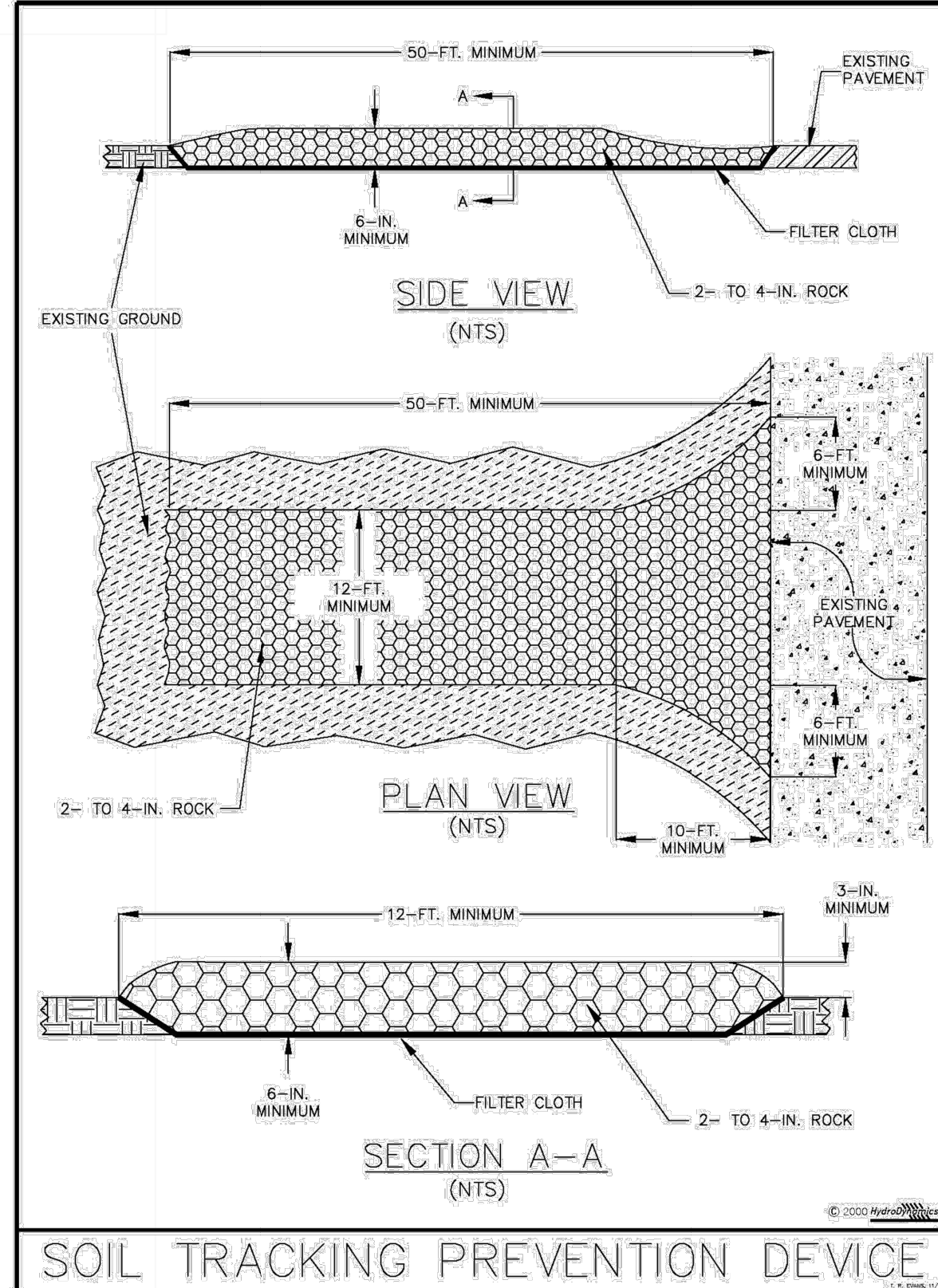


Figure V-52: Illustration of a Soil Tracking Prevention Device

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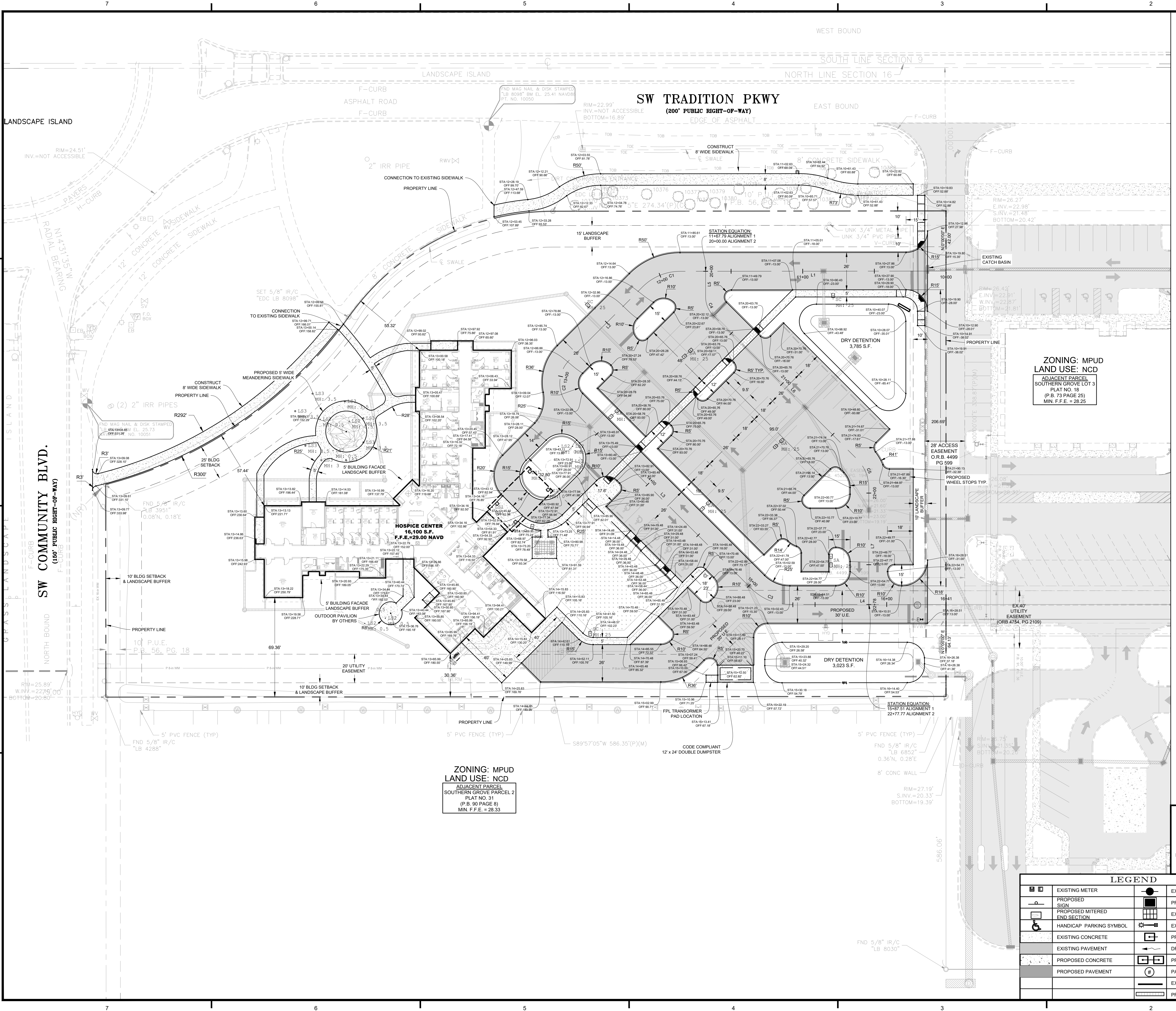
P.S.L.U.S.D. FILE#5386  
PLANNING & ZONING DEPT.  
SITE PLAN REVIEW #P21-1003-A1

REV	DATE	DESCRIPTION	BY	CHK.
DRAWING ISSUE STATUS				
<b>NOT FOR CONSTRUCTION</b>				
10250 Village Parkway, Suite 201 Port Saint Lucie, Florida 34987 772-462-2455 <a href="http://WWW.HALEYWARD.COM">WWW.HALEYWARD.COM</a>				
PROJECT				
<b>VITAS 12-BED INPATIENT HOSPICE FACILITY (FKA VITAS - TRADITION)</b> PORT SAINT LUCIE, FLORIDA				
TITLE				
<b>STORMWATER POLLUTION PREVENTION PLAN DETAILS</b>				
DATE		SCALE		
12/16/2025		AS SHOWN		
DRAWN BY	DESIGNED BY	CHECKED BY		
VER	---	---		
PROJECT No.				
20-288 ENG 12-16-25.DWG				
DRAWING No.				
#82270				
DATE				
J.R. HARRISON, P.E. (DATE)				
82270				
10250 SW VILLAGE PARKWAY - SUITE 201 PORT SAINT LUCIE, FL 34987 772-462-2455				
<b>C-102</b>				

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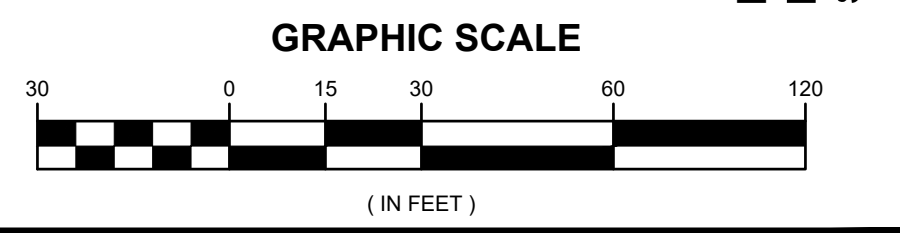
**VERTICAL DATUM NOTE:**  
 ALL ELEVATIONS SHOWN HERE REFERENCE THE NORTH AMERICAN VERTICAL DATUM NAVD88.  
 CONVERSION: NGVD29 = NAVD88 + 1.5

- NOTE TO CONTRACTOR:**
- ALL PIPE ELEVATIONS SHALL BE FIELD VERIFIED BEFORE COMMENCEMENT.
  - CONTRACTOR TO REGRADE & SOD ALL DISTURBED AREAS.
  - 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 (9).
  - CONTRACTOR TO INSTALL SOD ADJACENT TO SIDEWALK AT FINISHED GRADE. ALL HANDHOLE RIMS ARE TO BE INSTALLED AT FINISHED GRADE.

ALIGNMENT LINE DATA		
LINE #	LENGTH	BEARING
L1	185.61'	S89° 57' 05" W
L2	72.22'	S45° 00' 00" W
L3	179.60'	S45° 00' 00" E
L4	108.95'	N90° 00' 00" E
L5	17.98'	S0° 02' 55" E
L6	142.02'	S45° 00' 00" E
L7	81.64'	S0° 00' 00" W

ALIGNMENT CURVE DATA		
CURVE #	RADIUS	LENGTH
C1	37.00'	29.03'
C2	23.00'	36.13'
C3	38.00'	29.85'
C4	18.00'	14.14'
C5	28.00'	21.99'

**ZONING: MPUD**  
**LAND USE: NCD**  
 ADJACENT PARCEL  
 SOUTHERN GROVE LOT 3  
 PLAT NO. 18  
 (P.B. 73 PAGE 25)  
 MIN. F.F.E. = 28.25



REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				
<b>NOT FOR CONSTRUCTION</b>				

**HALEY WARD**  
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 Port Saint Lucie, Florida 34987  
 772.462.2455  
[WWW.HALEYWARD.COM](http://WWW.HALEYWARD.COM)

**PROJECT**  
 VITAS 12-BED INPATIENT HOSPICE FACILITY  
 (FKA VITAS - TRADITION)  
 PORT SAINT LUCIE, FLORIDA

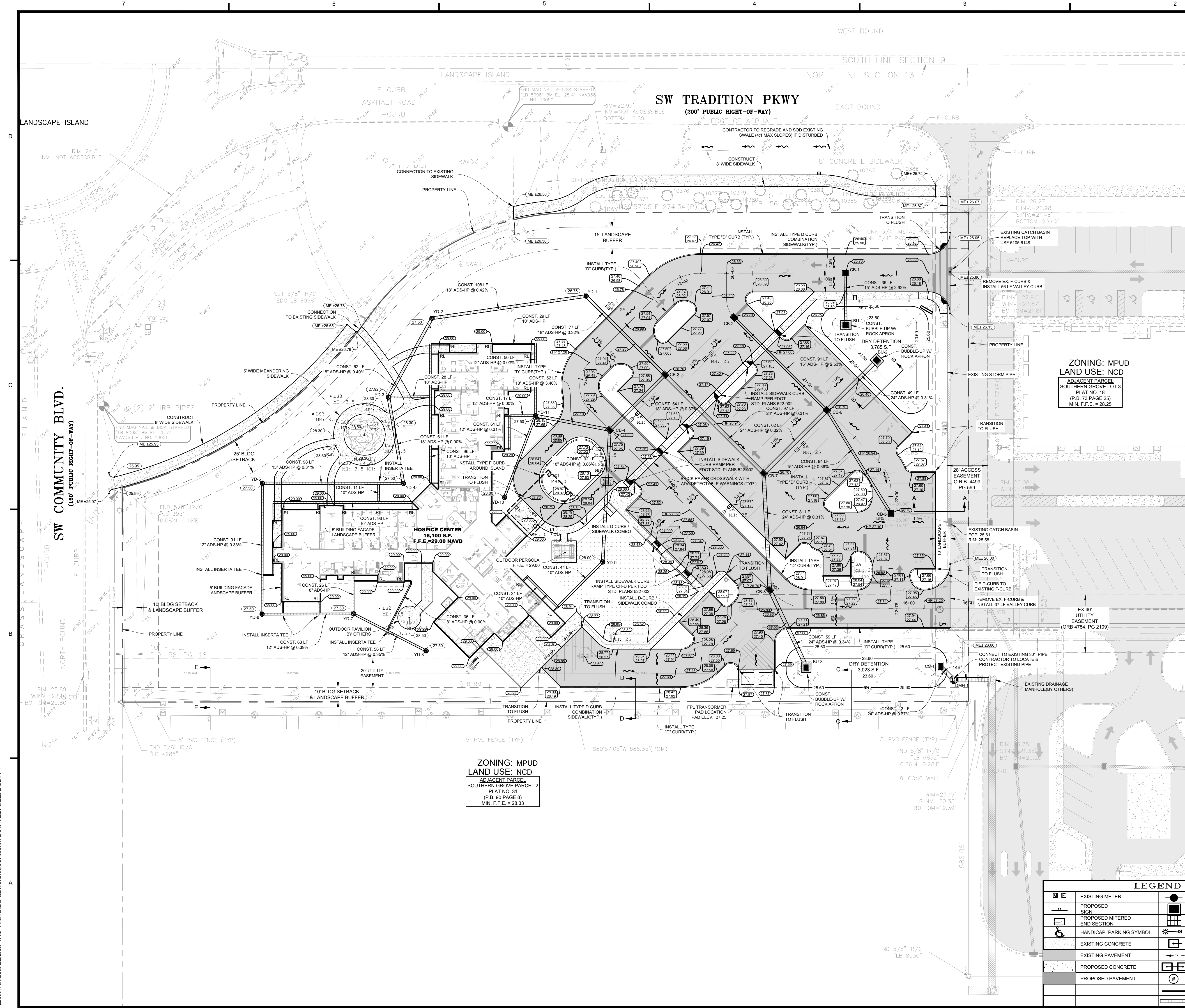
**TITLE**  
 HORIZONTAL CONTROL PLAN

DATE	SCALE
12/16/2025	AS SHOWN
DRAWN BY VER	DESIGNED BY ---
CHECKED BY ---	
PROJECT No. 20-288 ENG 12-16-25.DWG	
DRAWING No. #82270	
DRAWN BY J.R. HARRISON, P.E. (DATE)	REV.
10250 SW VILLAGE PARKWAY - SUITE 201 PORT SAINT LUCIE, FL 34987 772-462-2455	

LEGEND			
	EXISTING METER		EXISTING UTILITY POLE
	PROPOSED SIGN		PROPOSED DRAINAGE INLET
	PROPOSED METERED END SECTION		EXIST. DRAINAGE INLET
	HANDICAP PARKING SYMBOL		EXISTING STREET LIGHT
	EXISTING CONCRETE		PROPOSED LIGHT POLE (SINGLE)
	EXISTING PAVEMENT		DRAINAGE FLOW ARROW
	PROPOSED CONCRETE		PROPOSED LIGHT POLE (DOUBLE)
	PROPOSED PAVEMENT		PARKING STALL COUNT
	EXISTING DRAINAGE		PROPOSED DRAINAGE PIPE

PLSUSD FILE#5386  
 PLANNING & ZONING DEPT.  
 SITE PLAN REVIEW #P21-003-A1

FILE LOCATION: Z:\EDC\2020\20-288-VITAS - TRADITION\ENGINEERING\AUTOCAD\DWG\20-288 ENG 12-16-25.DWG, 12/16/2025, 2:18 PM



**VERTICAL DATUM NOTE:**  
 ALL ELEVATION SHOWN HERE REFERENCE THE NORTH AMERICAN VERTICAL DATUM NAVD88.  
 CONVERSION: NGVD29 = NAVD88 + 1.5

- NOTE TO CONTRACTOR:**
1. ALL PIPE ELEVATIONS SHALL BE FIELD VERIFIED BEFORE COMMENCEMENT.
  2. CONTRACTOR TO REGRADE & SOD ALL DISTURBED AREAS.
  3. 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).
  4. CONTRACTOR TO INSTALL SOD ADJACENT TO SIDEWALK AT FINISHED GRADE. ALL HANDHOLE RIMS ARE TO BE INSTALLED AT FINISHED GRADE.
  5. CONTRACTOR TO MEANDER SIDEWALK AROUND TREES AS NEEDED.

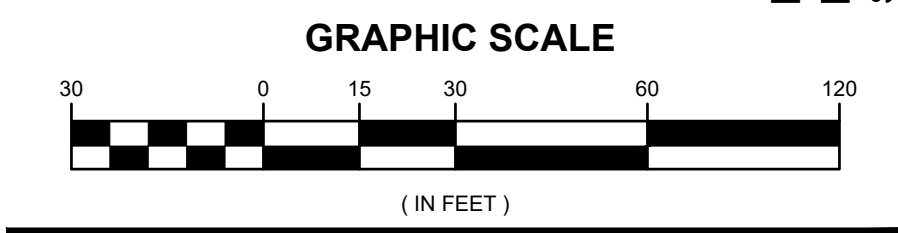
**SFWM D ERP PERMIT 56-103384-P**  
**Basin MXD-2**  
 CONTROL ELEVATION = 22.50 NAVD (24.00 NGVD)  
 MINIMUM ROAD CROWN ELEVATION = 25.70 NAVD (27.20 NGVD)  
 MINIMUM FINISHED FLOOR ELEVATION = 28.00 NAVD (29.50 NGVD)  
 PERIMETER BERM = 26.60 NAVD (28.10 NGVD)

**STORM SEWER INLET TABLE**

NAME	BOT TYPE	TOP TYPE	STATION	OFFSET	RIM	IN INV.	OUT INV.	BOTTOM ELEV.
BU-1	Type C	USF 4155 6209	10+85.08	-36.07	23.60	21.20 (N)		20.20
BU-2	Type C	USF 4155 6209	10+63.64	-40.42	23.60		20.30 (SW)	19.30
BU-3	Type C	USF 4155 6209	15+30.75	40.56	23.60	16.90 (NW)		15.90
CB-1	Type C	USF 4155 6209	10+85.53	0.07	25.70		22.25 (S)	21.25
CB-2	Type C	USF 4155 6209	11+62.53	-30.72	26.70		23.00 (SE)	22.00
CB-3	Type E	USF 4155 6209	12+55.86	-43.07	26.70	22.80 (SW) 22.50 (NW)		21.00
CB-4	Type E	USF 4155 6209	13+42.99	0.07	27.00	23.00 (W) 23.00 (S)		22.00
CB-5	Type C	USF 4155 6209	15+87.51	-66.07	26.70		23.00 (NW)	22.00
CB-6	Type E	USF 4155 6209	10+98.31	-95.04	26.70	20.15 (NE) 23.70 (NW)		19.15
CB-7	Type E	USF 4155 6209	14+39.74	-54.07	26.70	19.95 (NE) 21.70 (NW)		18.95
CB-8	Type E	USF 4155 6209	14+99.74	0.07	26.70	19.70 (N)	17.10 (SE)	16.10
CS-1	Type C	USF 4155 6209	16+21.92	40.04	25.20		20.10 (SE)	19.10
DMH-1	4" DIA	MANHOLE	16+31.03	49.20	26.50	20.00 (NW)	20.00 (E)	19.00

**YARD DRAIN TABLE**

NAME	STATION	OFFSET	RIM	IN INV.	OUT INV.
YD-1	12+55.86	34.15	26.75	22.75 (W)	22.75 (SE)
YD-2	12+96.68	110.82	27.41	23.20 (SW)	23.20 (E)
YD-3	13+06.06	132.66	27.92	23.45 (S) 23.45 (E)	23.45 (NE)
YD-4	13+14.95	137.08	27.50	23.45 (W)	23.45 (N)
YD-5	13+11.15	229.02	27.50	23.75 (S)	23.75 (E)
YD-6	13+18.19	266.91	27.50	24.05 (E)	24.05 (N)
YD-7	13+21.51	216.18	27.50	24.30 (SE)	24.30 (W)
YD-8	13+61.27	198.26	27.50		24.50 (NW)
YD-9	14+04.23	68.16	28.00	23.97 (W)	23.79 (N)
YD-10	13+24.44	84.75	28.00		25.00 (N)
YD-11	13+13.36	34.32	27.50	24.81 (S)	24.81 (E)



REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				

**NOT FOR CONSTRUCTION**

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 Port Saint Lucie, Florida 34987  
 772.462.2455  
 WWW.HALEYWARD.COM

**PROJECT**  
 VITAS 12-BED INPATIENT HOSPICE FACILITY  
 (FKA VITAS - TRADITION)  
 PORT SAINT LUCIE, FLORIDA

**PAVING, GRADING & DRAINAGE PLAN**

DATE	SCALE
12/16/2025	AS SHOWN
<b>DRAWN BY</b> VER	<b>DESIGNED BY</b> ---
<b>CHECKED BY</b> ---	
<b>PROJECT No.</b> 20-288 ENG 12-16-25.DWG	
<b>DRAWING No.</b> #82270	
<b>J.R. HARRISON, P.E. (DATE)</b> 10250 SW VILLAGE PARKWAY - SUITE 201 PORT SAINT LUCIE, FL 34987 772.462.2455	<b>REV.</b>

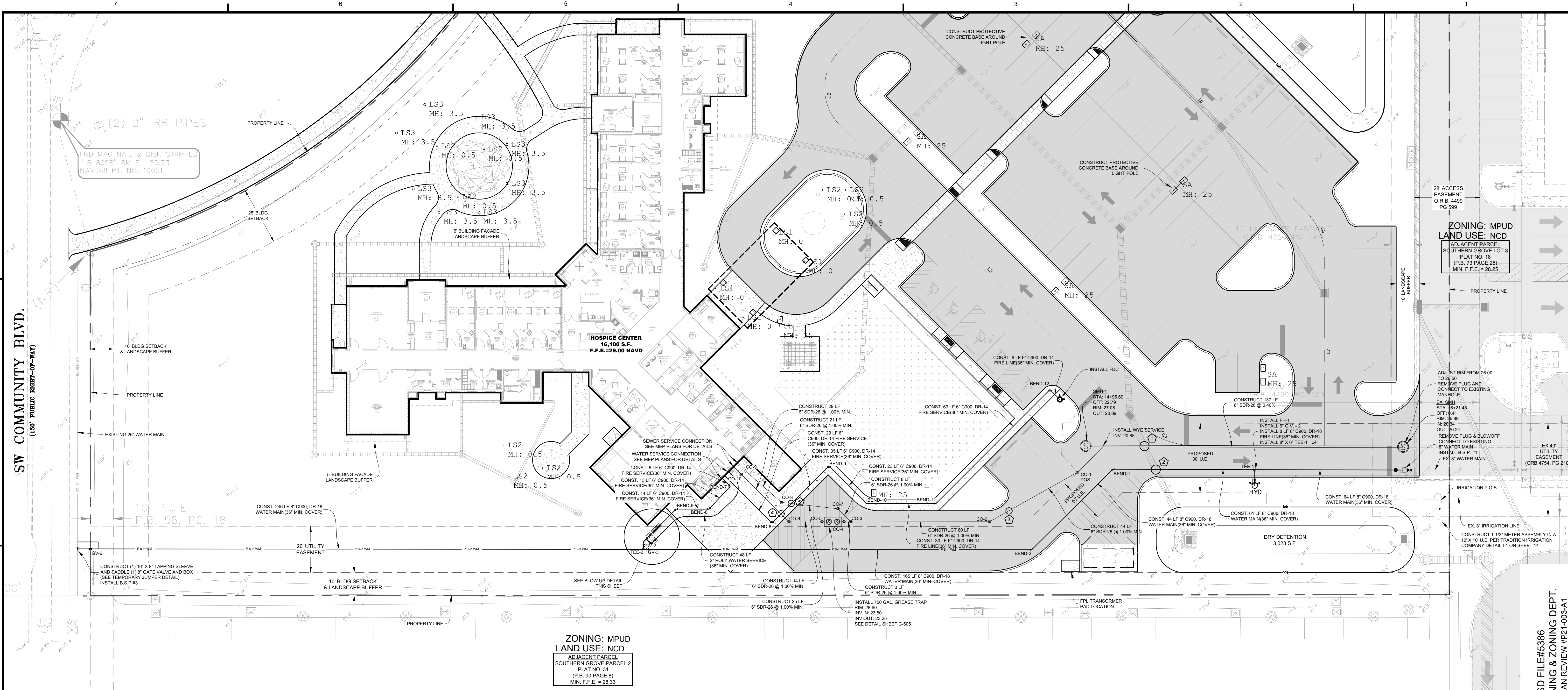
**C-104**

**LEGEND**

	EXISTING METER		EXISTING UTILITY POLE
	PROPOSED SIGN		PROPOSED DRAINAGE INLET
	PROPOSED MITERED END SECTION		EXIST. DRAINAGE INLET
	HANDICAP PARKING SYMBOL		EXISTING STREET LIGHT
	EXISTING CONCRETE		PROPOSED LIGHT POLE (SINGLE)
	EXISTING PAVEMENT		DRAINAGE FLOW ARROW
	PROPOSED CONCRETE		PROPOSED LIGHT POLE (DOUBLE)
	PROPOSED PAVEMENT		PARKING STALL COUNT
	EXISTING DRAINAGE		EXISTING DRAINAGE
	PROPOSED DRAINAGE PIPE		PROPOSED DRAINAGE PIPE

FILE LOCATION: Z:\EDC\2020\20-288 - VITAS - TRADITION\ENGINEERING\DWG\20-288 ENG 12-16-25.DWG, 12/16/25, 2:17 PM

PSLUSD FILE#5386  
 PLANNING & ZONING DEPT.  
 SITE PLAN REVIEW #P21-003-A1



**VALVE TABLE**

PLAN ID	STATION	OFFSET	TYPE	FLUID	MANUFACTURER	MODEL	DATE SET	# TURNS	PSLUSD #
GV-1	15+57.46	15.18'	6"	WATER					
GV-2	13+91.07	188.01'	6"	WATER					
GV-3	13+93.39	188.07'	8"	WATER					
GV-4	13+92.81	183.30'	2"	WATER					
GV-5	13+89.89	183.30'	6"	WATER					
GV-6	13+17.10	370.70'	8"	WATER					

**GRAVITY SEWER MANHOLE TABLE**

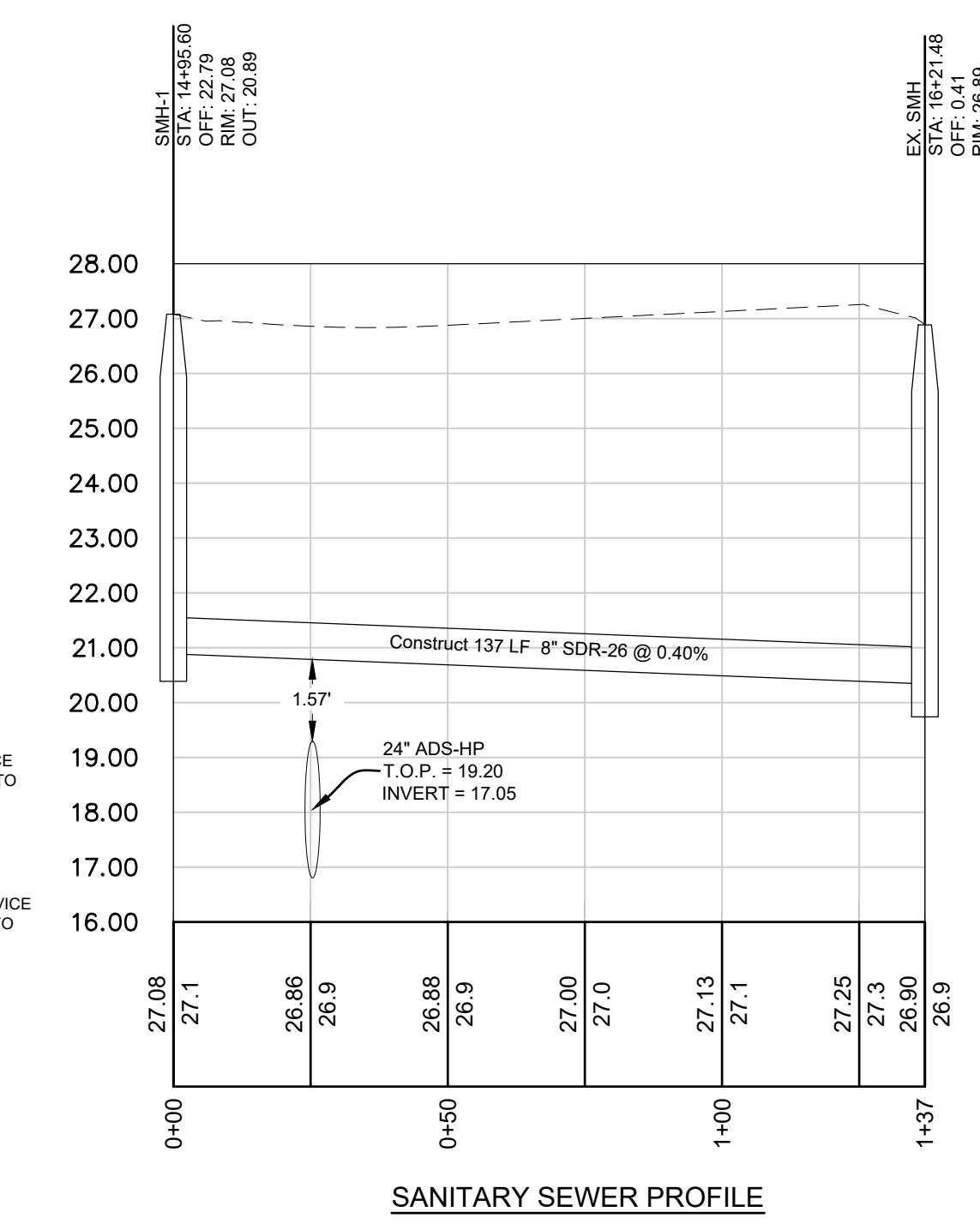
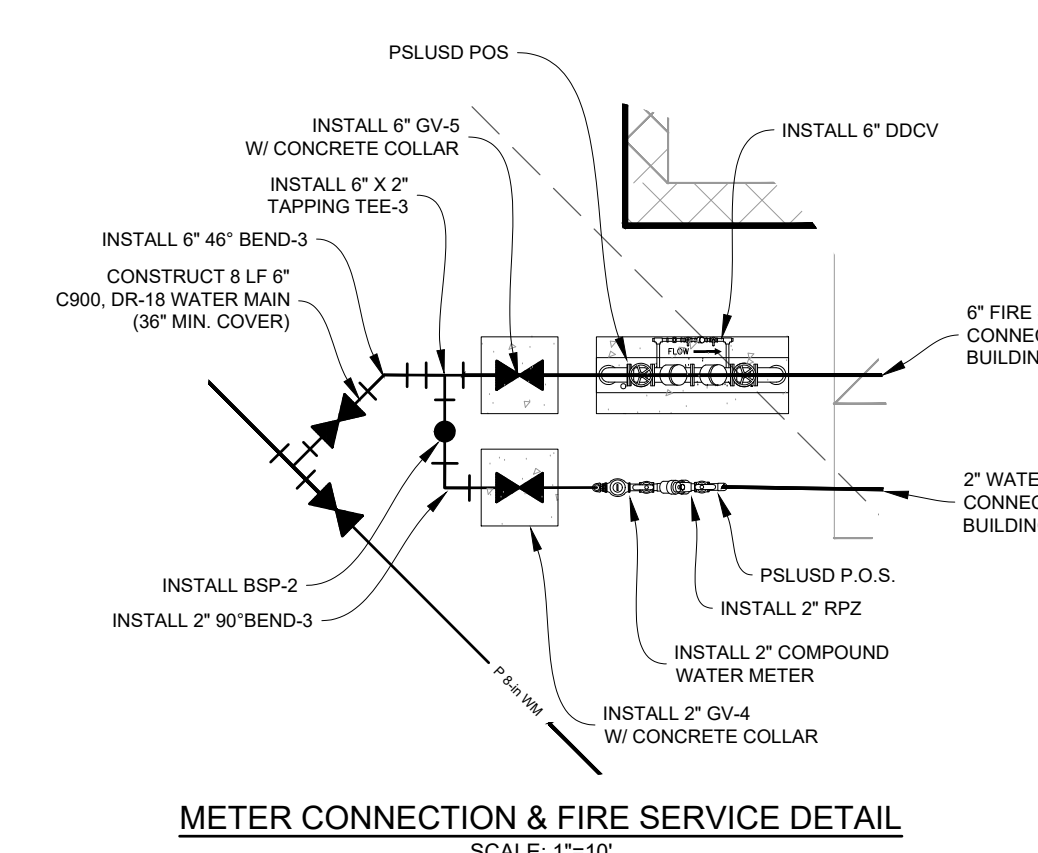
NAME	DEPTH	STATION	OFFSET	RIM	IN INV.	OUT INV.
EX. SMH	7'	18+21.48	0.41'	26.89	20.34 (W)	20.24 (E)
SMH-1	7'	14+95.60	22.79	27.08	20.89 (E)	

**WATER MAIN VALVE / FITTING TABLE**

NAME	TYPE	STATION	OFFSET	T.O.P. MIN.	F.G.
BEND-1	8' 45" BEND	15+07.89	22.20'	24.12	±27.12
BEND-2	8' 45" BEND	15+05.43	71.22'	24.61	±27.61
BEND-3	6' 45" BEND	13+89.88	186.82'	24.17	±27.17
BEND-4	2' 90" BEND	13+92.82	185.24'	24.81	±27.46
BEND-5	6' 45" BEND	13+89.89	166.99'	25.99	±28.99
BEND-6	6' 45" BEND	13+99.92	156.98'	25.97	±28.97
BEND-7	6' 90" BEND	13+99.41	143.55'	26.00	±29.00
BEND-8	6' 90" BEND	14+23.41	142.06'	26.80	±28.80
BEND-9	6' 45" BEND	14+23.41	107.14'	25.86	±28.86
BEND-10	6' 45" BEND	14+46.29	107.14'	25.56	±28.56
BEND-11	6' 45" BEND	14+67.48	85.97'	25.41	±28.41
BEND-12	6' 90" BEND	14+67.48	16.50'	24.25	±27.25
TEE-1	8" X 6"	15+57.45	10.24'	24.14	±27.14
TEE-2	8" X 6"	13+92.26	189.20'	68.95	±26.32
TEE-3	6" X 2"	13+89.89	185.24'	25.18	±28.18
TEE-4	16" X 8"	13+16.94	375.52'	23.30	±27.77

**CLEANOUT TABLE**

NAME	STATION	OFFSET	RIM	IN INV.	OUT INV.
CO-1	15+01.11	33.31'	27.12	22.17 (SW)	22.17 (NE)
CO-2	14+89.33	75.23'	27.78	22.60 (W)	22.60 (NE)
CO-3	14+47.10	117.55'	28.47	23.20 (W)	23.20 (E)
CO-4	14+44.98	119.68'	28.52	23.23 (W)	23.23 (E)
CO-5	14+38.26	126.39'	28.67	23.52 (W)	23.52 (E)
CO-6	14+28.19	136.45'	28.81	24.09 (NW)	24.09 (E)
CO-7	14+39.15	117.55'	28.58	23.50 (W)	23.50 (SE)
CO-8	14+19.94	132.81'	28.92	23.74 (NW)	23.74 (E)
CO-9	13+99.41	134.23'	29.00	23.95 (NW)	23.95 (SE)
CO-10	13+99.41	136.52'	29.00	24.95 (NW)	24.95 (SE)



**VERTICAL DATUM NOTE:**  
ALL ELEVATIONS SHOWN HERE REFERENCE THE NORTH AMERICAN VERTICAL DATUM NAVD83  
CONVERSION: NGVD29 = NAVD83 + 1.5

**NOTE TO CONTRACTOR:**  
1. ALL PIPE ELEVATIONS SHALL BE FIELD VERIFIED BEFORE COMMENCEMENT.  
2. CONTRACTOR TO REGRADE & SOD ALL DISTURBED AREAS.  
3. 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).  
4. CONTRACTOR TO INSTALL SOD ADJACENT TO SIDEWALK AT FINISHED GRADE. ALL HANDHOLE RIMS ARE TO BE INSTALLED AT FINISHED GRADE.

**LEGEND**

	EXISTING METER		EXISTING UTILITY POLE
	PROPOSED SIGN		PROPOSED DRAINAGE INLET
	PROPOSED METERED END SECTION		EXIST. DRAINAGE INLET
	HANDICAP PARKING SYMBOL		EXISTING STREET LIGHT
	EXISTING CONCRETE		PROPOSED LIGHT POLE (SINGLE)
	EXISTING PAVEMENT		DRAINAGE FLOW ARROW
	PROPOSED CONCRETE		PROPOSED LIGHT POLE (DOUBLE)
	PROPOSED PAVEMENT		PARKING STALL COUNT
	EXISTING DRAINAGE		EXISTING DRAINAGE
	PROPOSED DRAINAGE PIPE		PROPOSED DRAINAGE PIPE

**GRAPHIC SCALE**  
(IN FEET)

**NOT FOR CONSTRUCTION**

**HALEY WARD**  
ENGINEERING | ENVIRONMENTAL | SURVEYING  
LAND PLANNING | INTERIOR DESIGN  
10250 Village Parkway, Suite 201  
Port Saint Lucie, Florida 34987  
772.462.2455

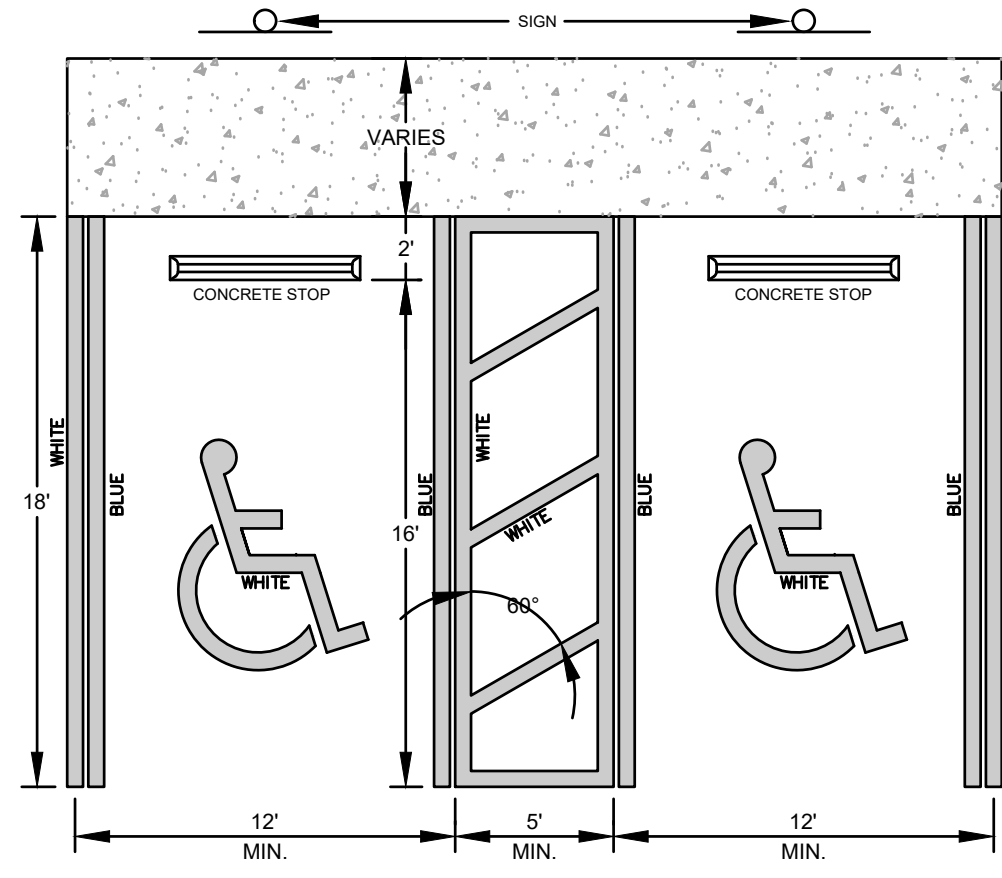
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**VITAS 12-BED INPATIENT HOSPICE FACILITY (FKA VITAS - TRADITION)**  
PORT SAINT LUCIE, FLORIDA

**UTILITY PLAN**

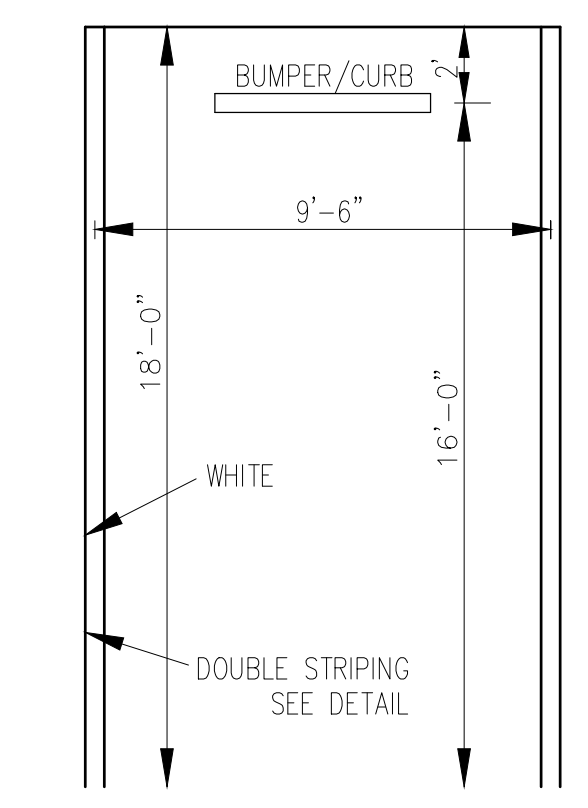
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PROJECT No.: 20-288 ENG 12-16-25.DWG  
PROJECT No.: 20-288  
DATE: 12/16/2025 SCALE: AS SHOWN  
DRAWN BY: J.R. HARRISON, P.E. (DATE) CHECKED BY: ---  
PROJECT No.: 822770  
10250 SW VILLAGE PARKWAY - SUITE 201  
PORT SAINT LUCIE, FL 34987  
772-462-2455

**C-105**

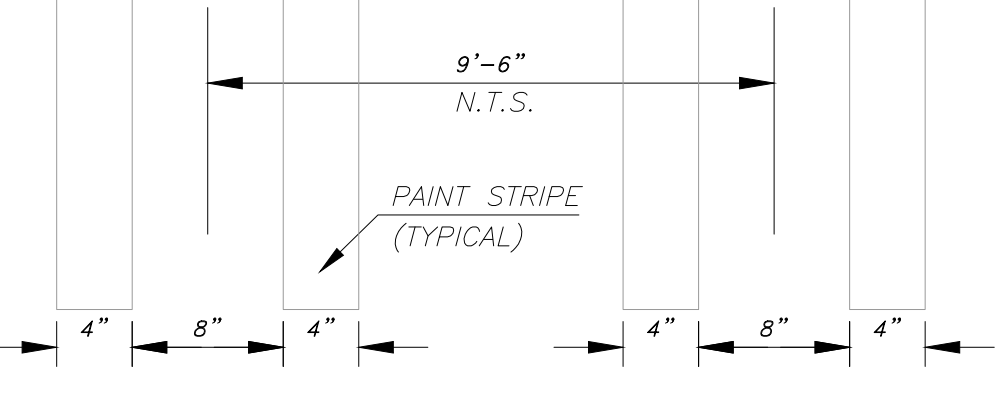


HANDICAPPED SPACE DETAIL

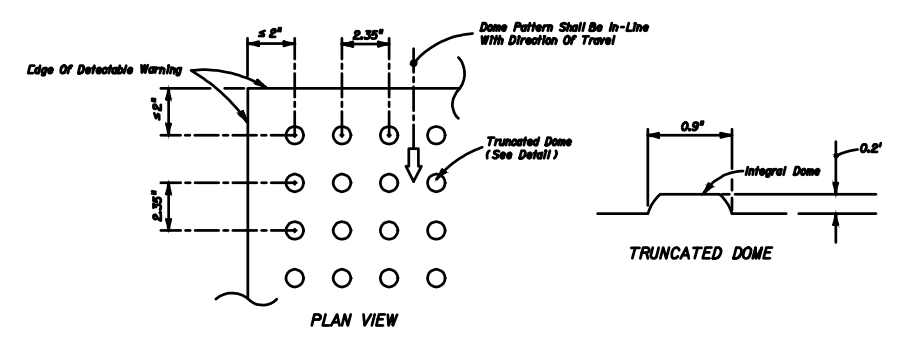
- NOTES:
- FTP 20-06: TOP PORTION SHALL HAVE REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
  - FTP 21-06: TOP PORTION SHALL HAVE REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
  - FTP 20-06 IS FOR USE IN AREAS WHERE SPACE IS LIMITED.
  - FTP 22-06 IS SUPPLEMENTAL PANEL FOR THE FTP 20-06 & FTP 21-06 SIGNS.
  - HEIGHT SHALL BE 7 FEET MEASURED FROM THE GROUND OR SIDEWALK TO THE BOTTOM OF "PERMIT ONLY" SIGN OR 6 FEET TO THE BOTTOM OF "2500 FINE" SIGN.
  - REFER TO FOOT INDEX NO. 711-001 FOR PAVEMENT MARKING DETAILS & FOOT INDEX NO. 700-102 SIGN DETAILS PER THE LATEST FOOT DESIGN STANDARDS.



18' PARKING STALL DETAIL



DOUBLE STRIPING DETAIL

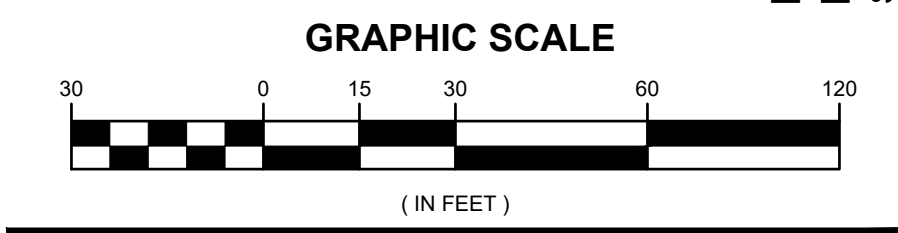
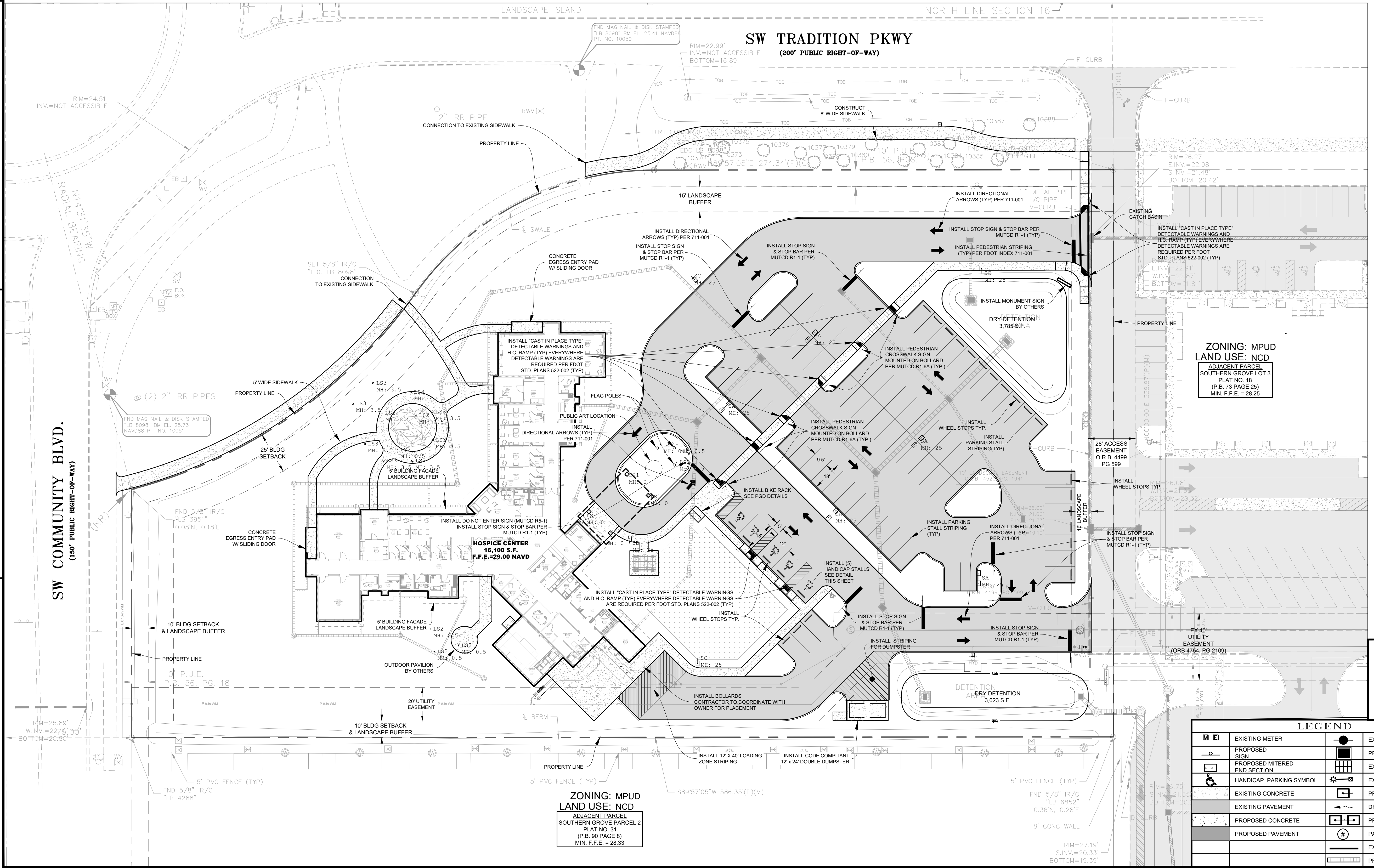


NOTES:  
REFER TO FOOT INDEX 522-002 FOR FURTHER DETAILS

CURB RAMP DETECTABLE WARNING

VERTICAL DATUM NOTE:  
ALL ELEVATION SHOWN HERE REFERENCE THE NORTH AMERICAN VERTICAL DATUM NAVD88  
CONVERSION: NGVD29 = NAVD88 + 1.5

- NOTE TO CONTRACTOR:
- ALL PIPE ELEVATIONS SHALL BE FIELD VERIFIED BEFORE COMMENCEMENT.
  - CONTRACTOR TO REGRADE & SOD ALL DISTURBED AREAS.
  - 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).
  - CONTRACTOR TO INSTALL SOD ADJACENT TO SIDEWALK AT FINISHED GRADE. ALL HANDHOLE RIMS ARE TO BE INSTALLED AT FINISHED GRADE.



REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				

NOT FOR CONSTRUCTION

**HALEY WARD**  
ENGINEERING | ENVIRONMENTAL | SURVEYING  
LAND PLANNING | INTERIOR DESIGN  
10250 Village Parkway, Suite 201  
Port Saint Lucie, Florida 34987  
772.462.2455  
WWW.HALEYWARD.COM

PROJECT: VITAS 12-BED INPATIENT HOSPICE FACILITY (FKA VITAS - TRADITION)  
PORT SAINT LUCIE, FLORIDA

TITLE: STRIPING PLAN

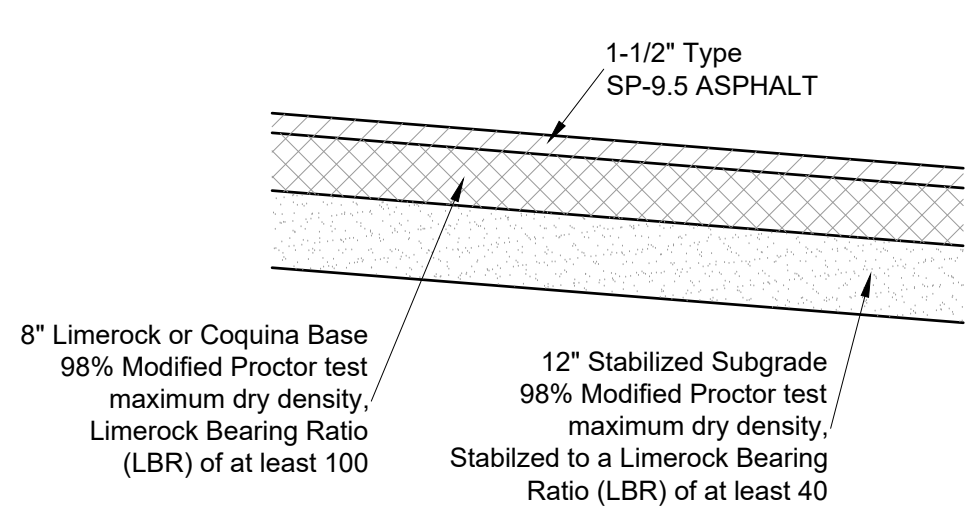
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DRAWN BY: VER	DESIGNED BY: ---
CHECKED BY: ---	PROJECT NO: 20-288 ENG 12-16-25.DWG
DRAWING NO: #82270	REV: ---
J.R. HARRISON, P.E. (DATE)	
10250 SW VILLAGE PARKWAY - SUITE 201 PORT SAINT LUCIE, FL 34987 772-462-2455	
<b>C-106</b>	

**LEGEND**

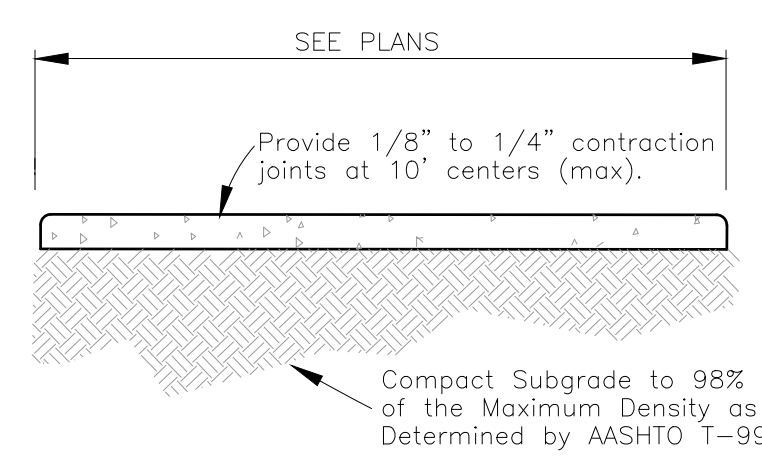
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	PROPOSED SIGN		PROPOSED DRAINAGE INLET
	PROPOSED MITERED END SECTION		EXIST. DRAINAGE INLET
	HANDICAP PARKING SYMBOL		EXISTING STREET LIGHT
	EXISTING CONCRETE		PROPOSED LIGHT POLE (SINGLE)
	EXISTING PAVEMENT		DRAINAGE FLOW ARROW
	PROPOSED CONCRETE		PROPOSED LIGHT POLE (DOUBLE)
	PROPOSED PAVEMENT		PARKING STALL COUNT
	EXISTING DRAINAGE		EXISTING DRAINAGE
	PROPOSED DRAINAGE PIPE		PROPOSED DRAINAGE PIPE

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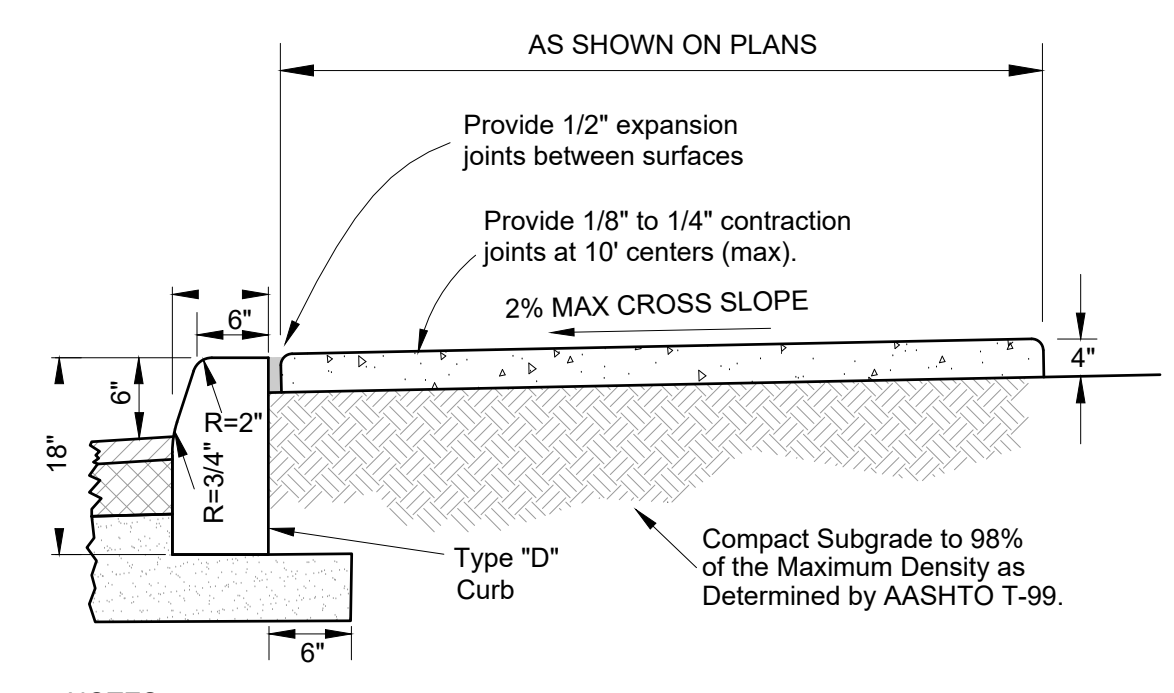
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PLANNING & ZONING DEPT.  
SITE PLAN REVIEW #P21-003-A1



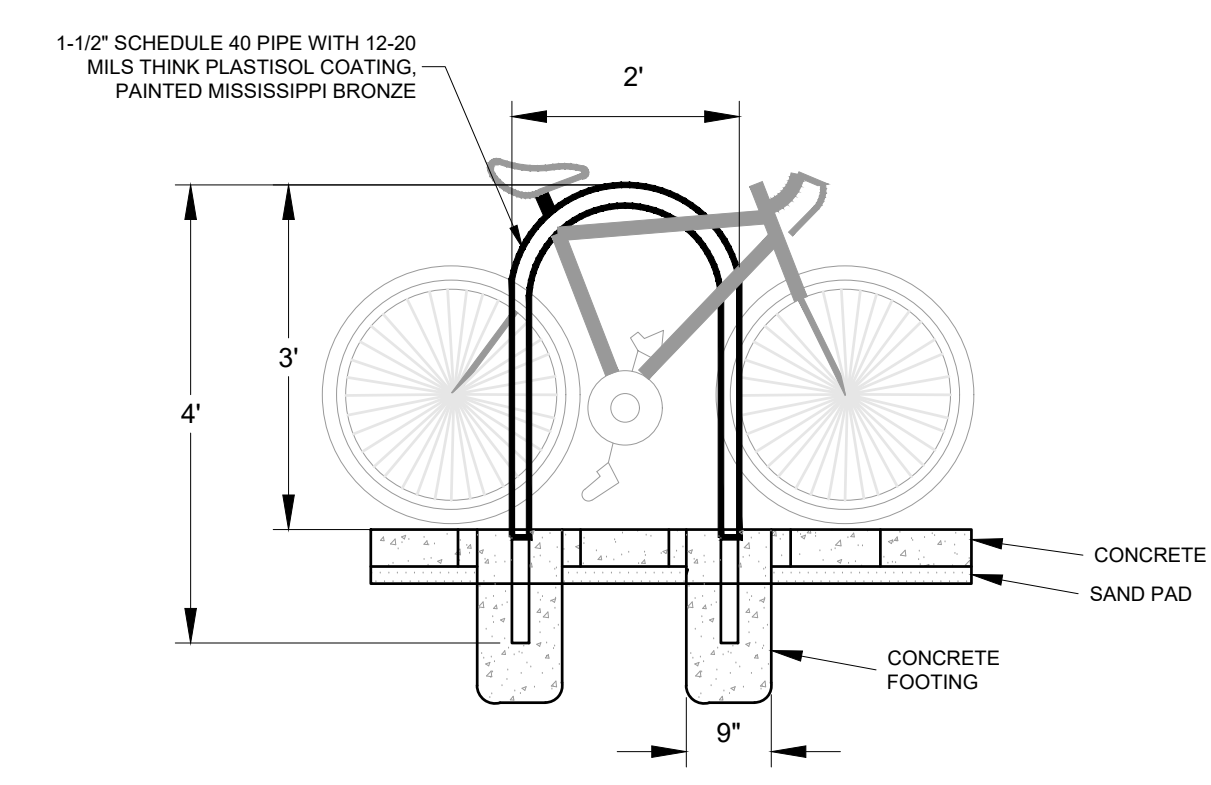
TYPICAL PAVEMENT SECTION



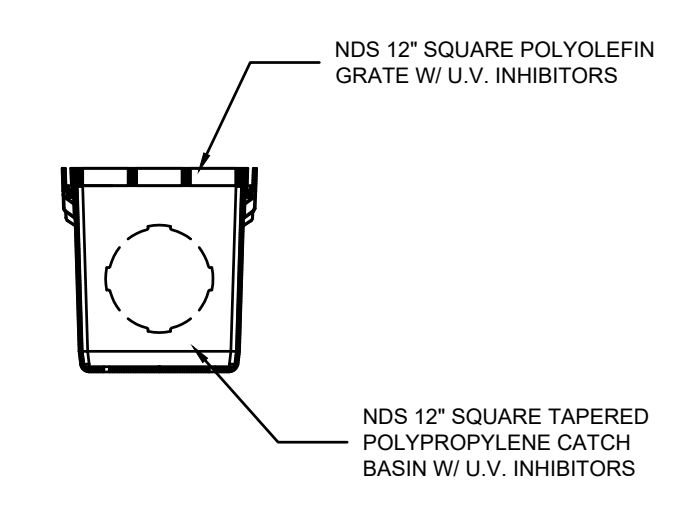
4" THICK SIDEWALK DETAIL



TYPE "D" CURB & SIDEWALK COMBINATION

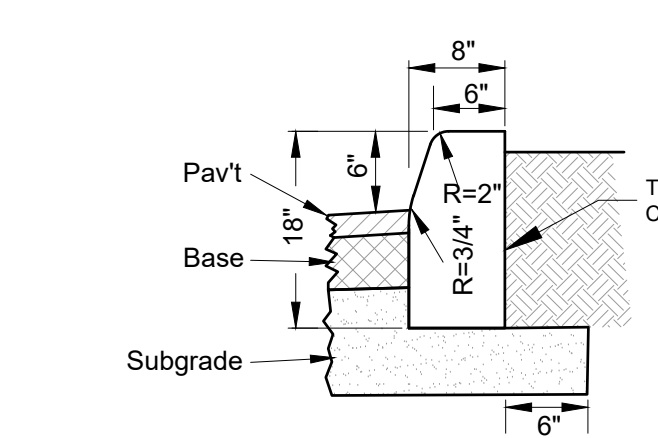


BIKE RACK DETAIL



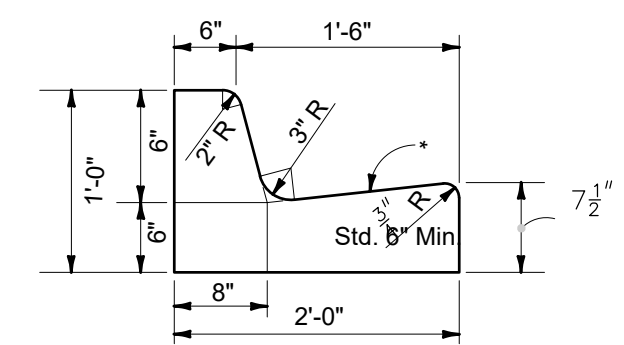
12" YARD INLET

- NOTES:
1. Grate to be attached to catch basin with screw provided at time of installation.
  2. Riser can be cut to achieve exact elevation.
  3. Do not use over 5 risers with catch basin.
  4. Installation to be completed in accordance with NDS specifications.



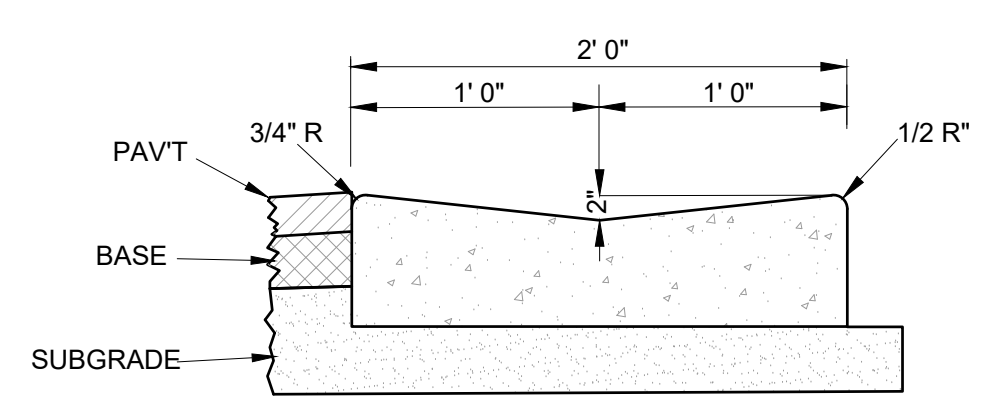
- NOTES:
1. Use 3,000 P.S.I. concrete at 28 days for construction.
  2. Subgrade to extend an additional 6" beyond Type "D" Curb.
  3. Type "D" Curb to be constructed in accordance with FDOT Index #522-001.

TYPE "D" CURB



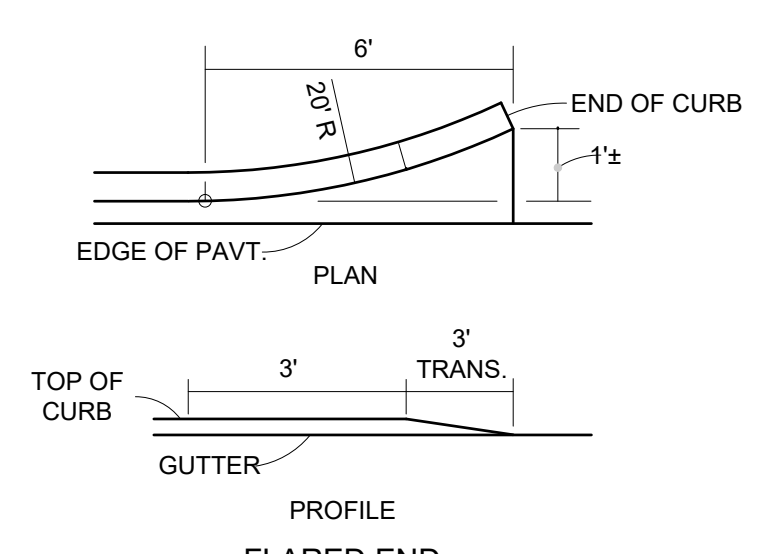
TYPE F

\*NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

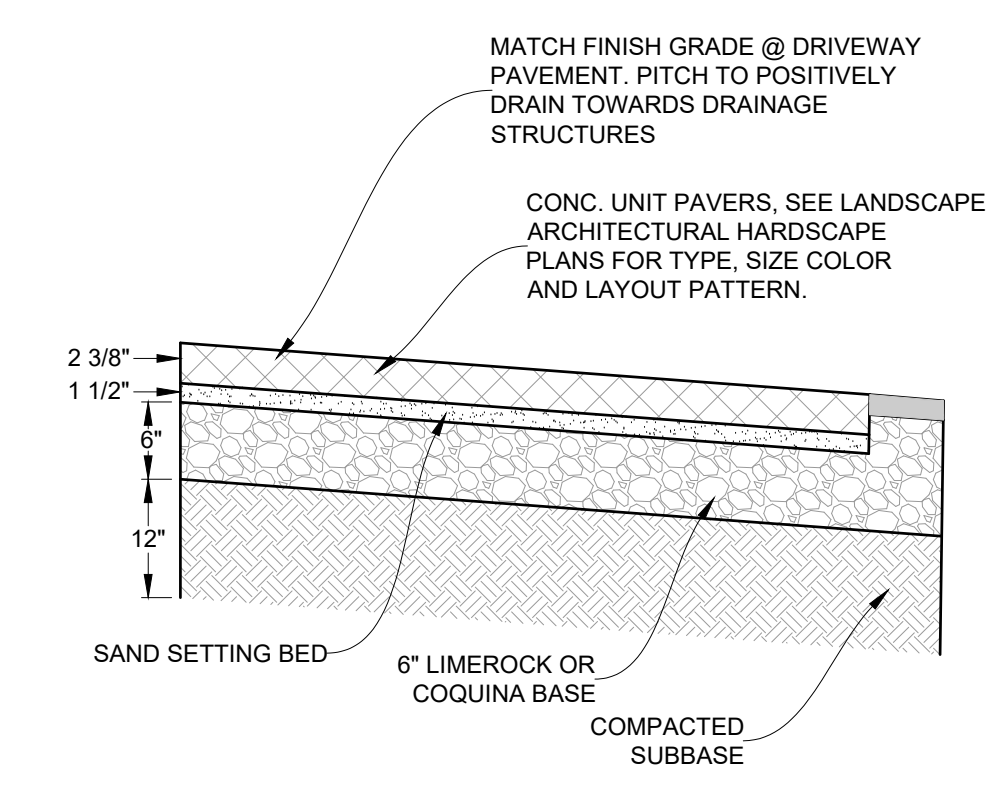


2" VALLEY GUTTER

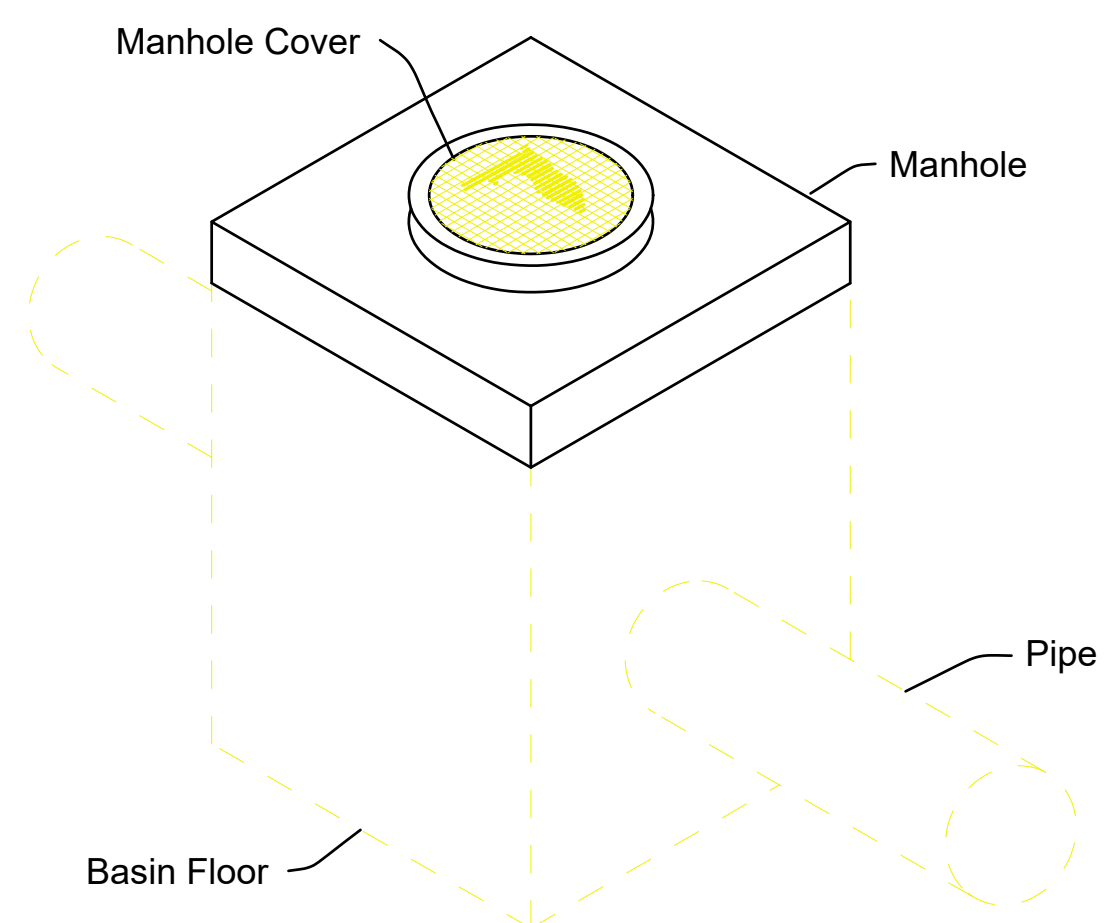
- NOTES:
- 3,000 P.S.I. CONCRETE AT 28 DAYS



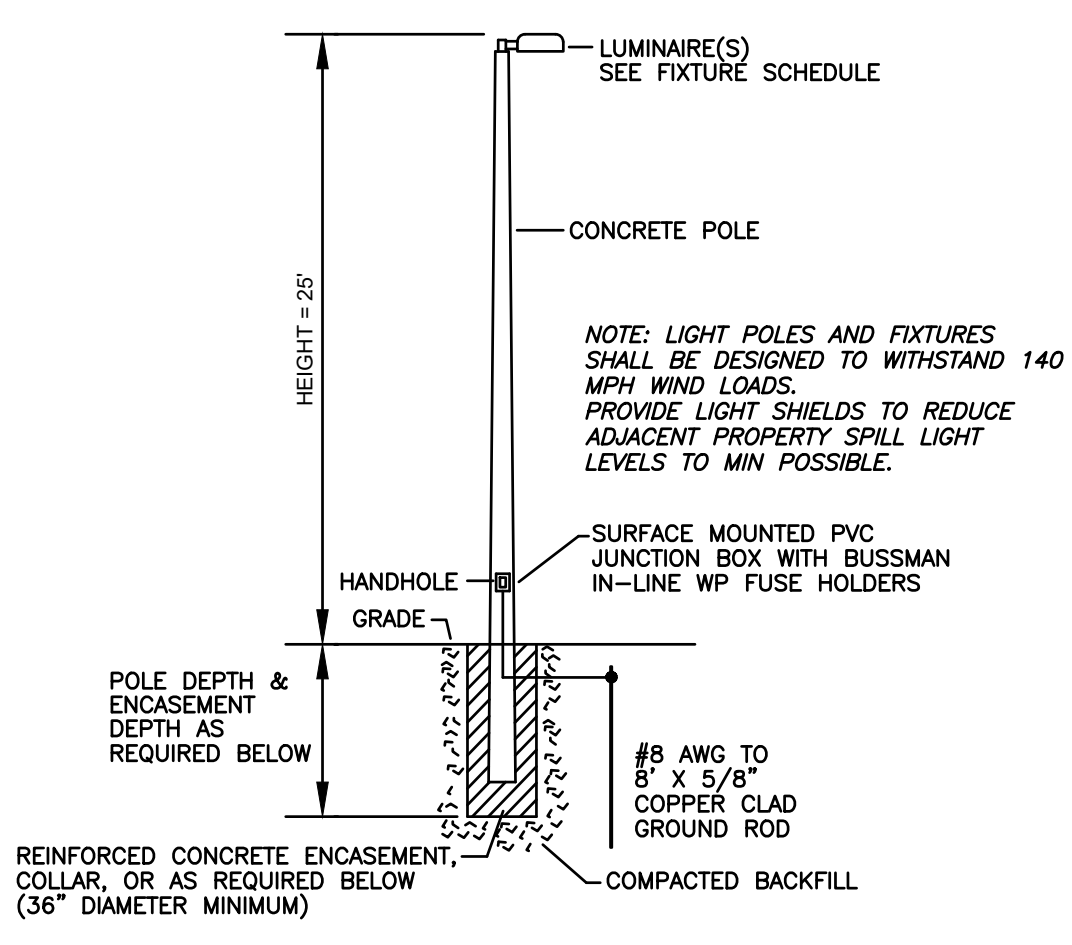
CURB AND GUTTER ENDINGS



CONCRETE BRICK PAVER SECTION

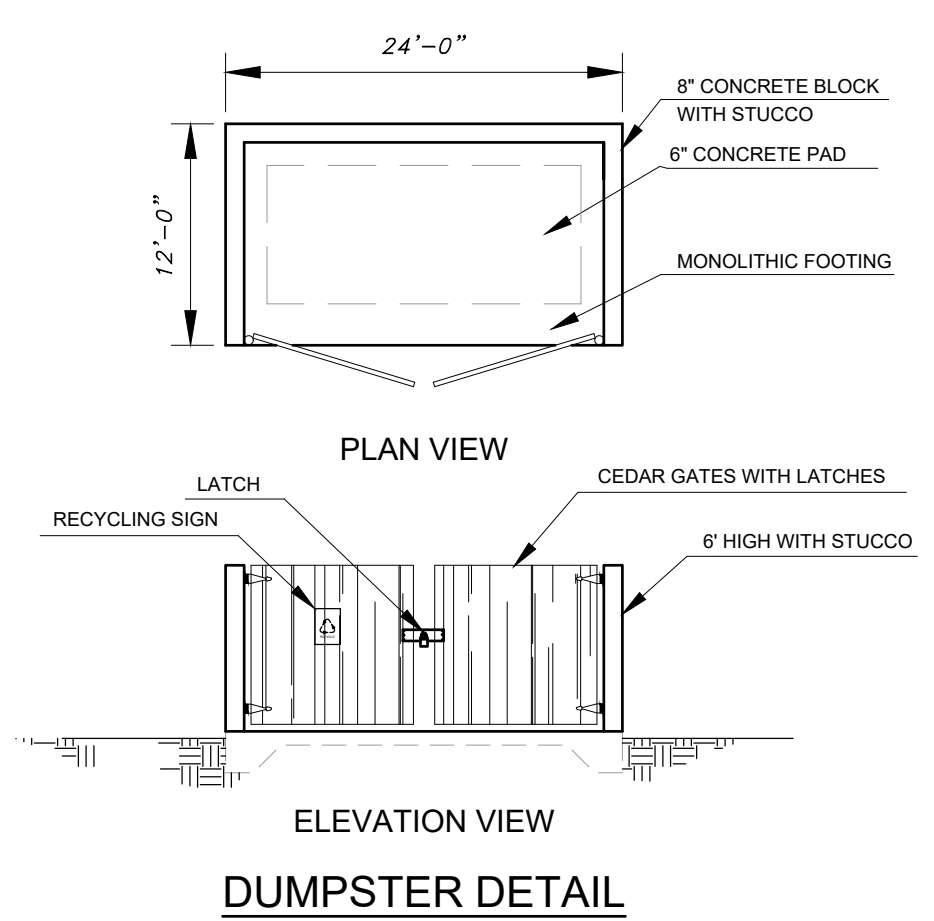


TYPE 7

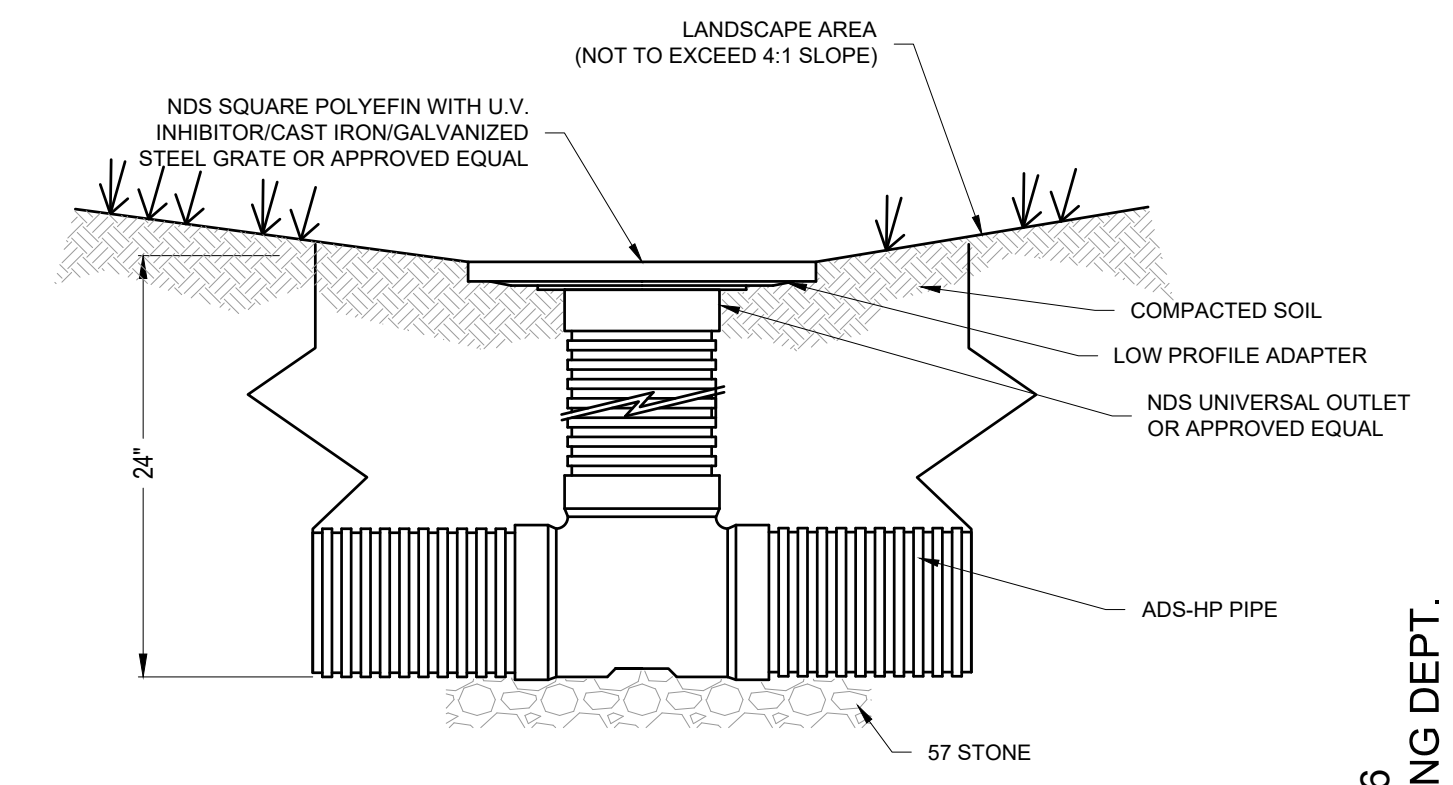


POLE MOUNTING DETAIL

NOTE: PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER. SHOP DRAWINGS SHALL INCLUDE THE POLE, LUMINAIRE, AND REINFORCED CONCRETE ENCASMENT CALCULATIONS TO SHOW COMPLIANCE WITH FLORIDA BUILDING CODE, FOR WIND LOADING. SHOP DRAWINGS MAY BE FOR WORSE CASE SOIL CONDITIONS OR MAY BE BASED ON ACTUAL SITE SOIL BORINGS AND ANALYSIS FOR EACH POLE LOCATION AS VERIFIED BY THE FLORIDA REGISTERED PROFESSIONAL ENGINEER AND DOCUMENTED IN THE SHOP DRAWINGS. ALL ASSOCIATED COSTS FOR THE TOTAL INSTALLATION INCLUDING SHOP DRAWINGS, SOIL TESTING AND DESIGN FEES SHALL BE INCLUDED IN THE CONTRACT.

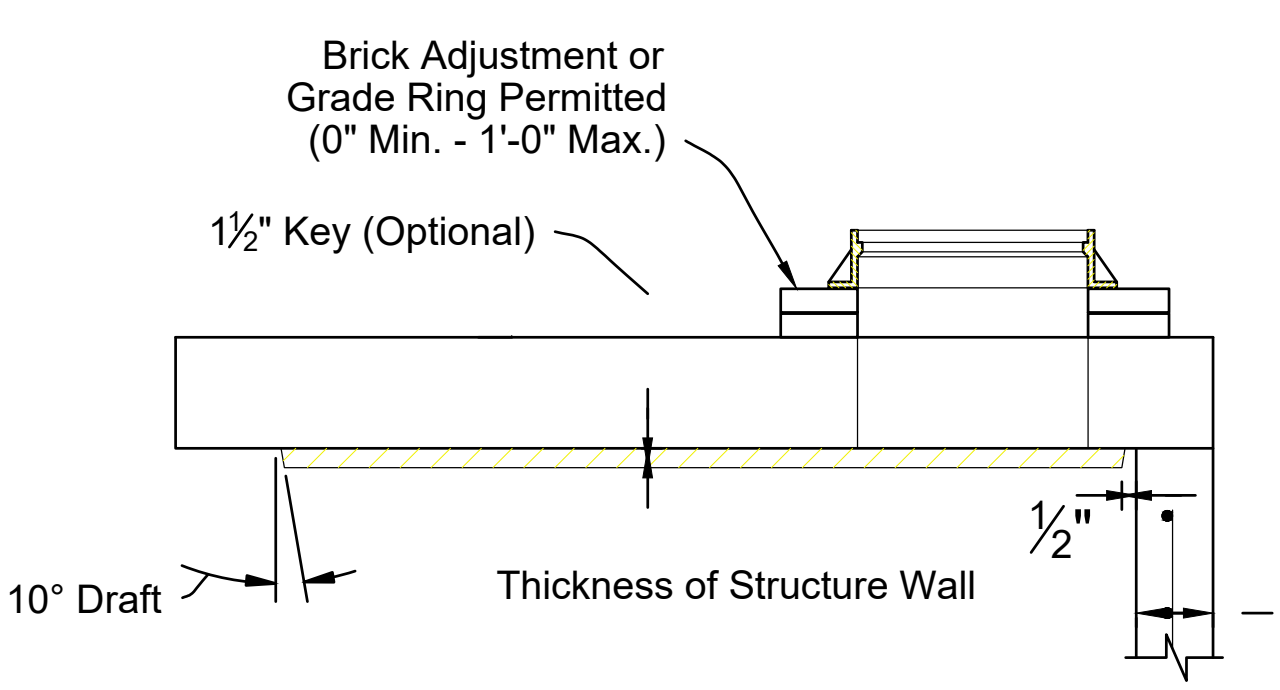


DUMPSTER DETAIL



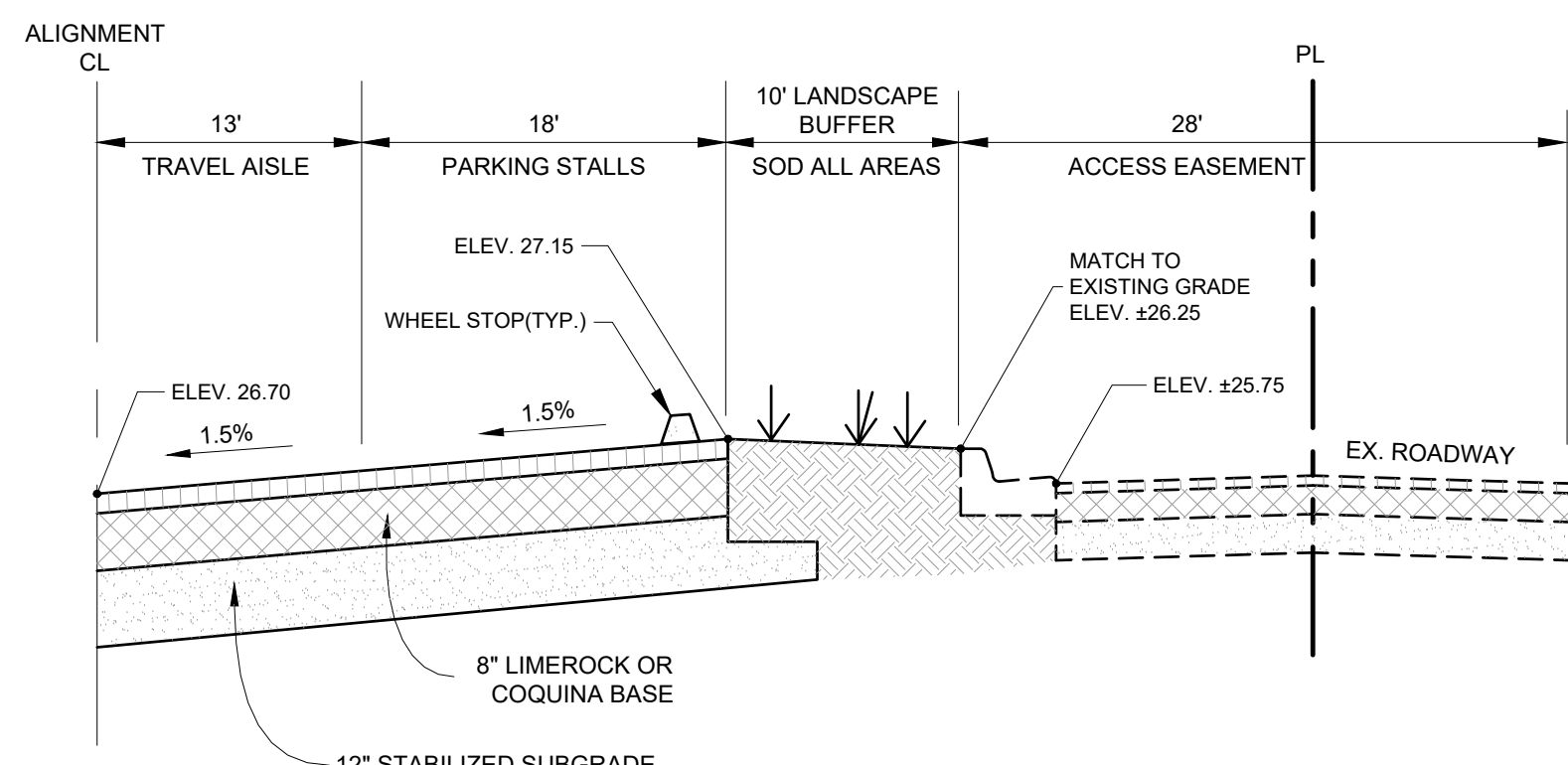
YARD INLET INSTALLATION

- NOTES:
1. Watertight adaptors to be used on all joint connections.
  2. Construction of ADS pipe to be either SDR-35 Sewer, A-2000 Corrugated PVC, Ultra-Rib PVC or Corrugated Poly Pipe.
  3. Grade landscape area towards inline drain.
  4. Yard Inlet Drain to be constructed per NDS.

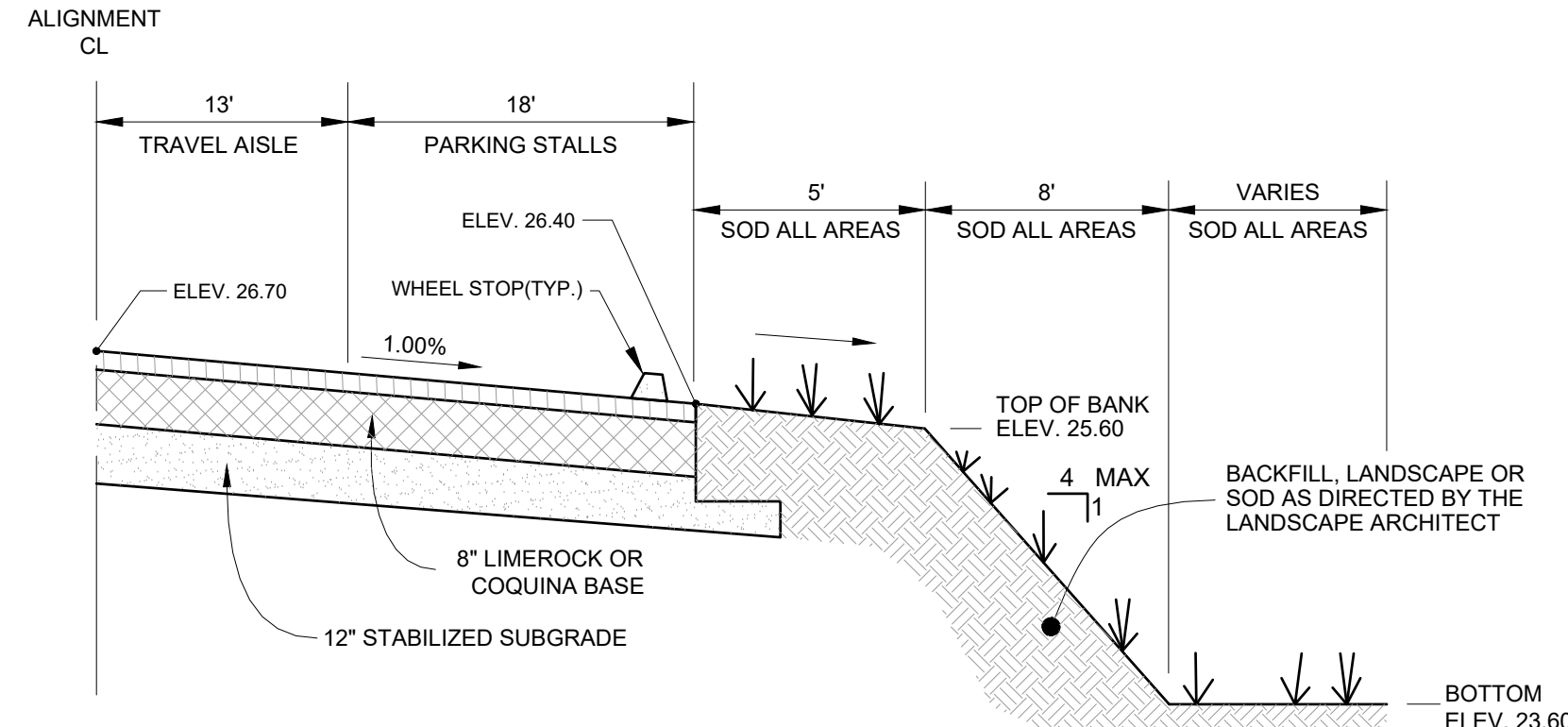


TYPICAL FDOT DRAINAGE MANHOLE DETAILS

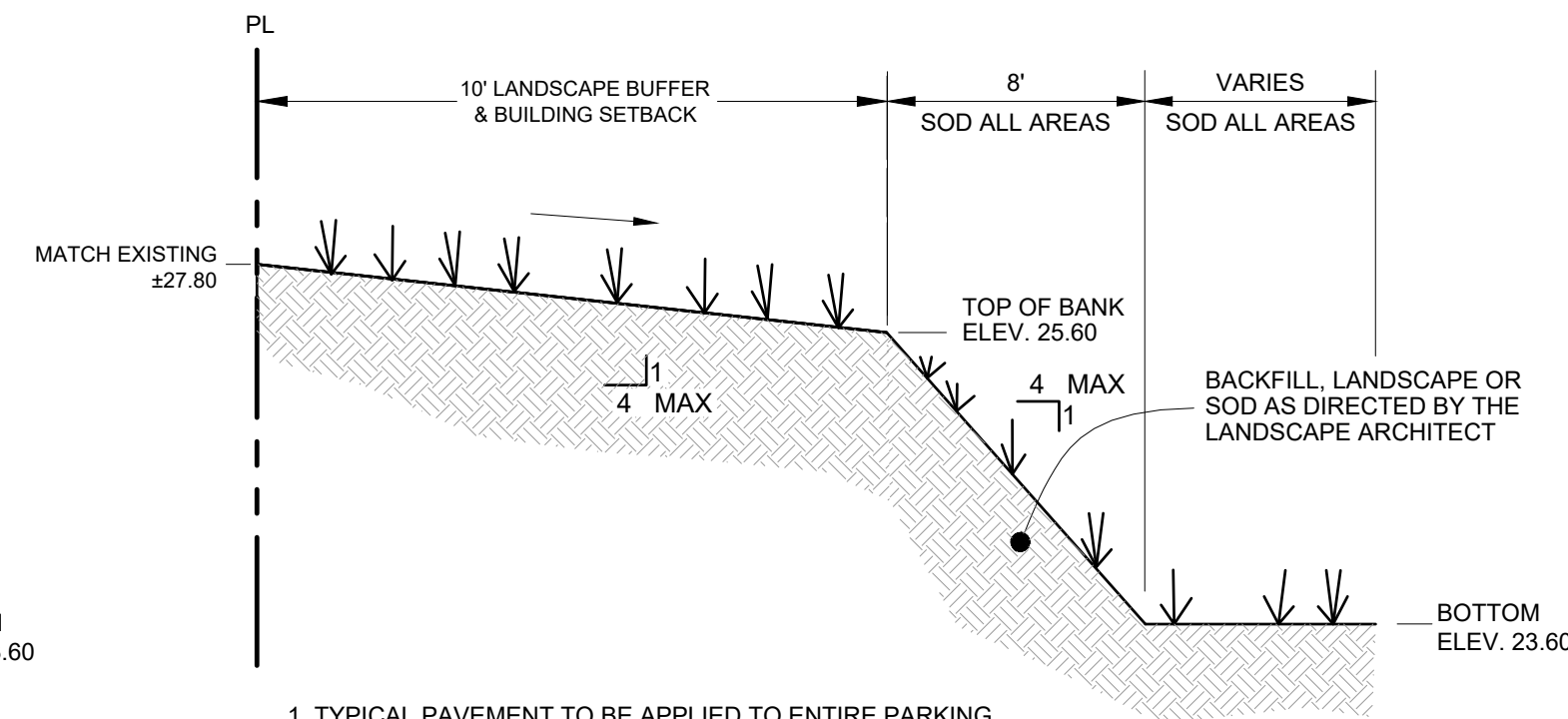
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<b>NOT FOR CONSTRUCTION</b>				
 <b>HALEY WARD</b> ENGINEERING   ENVIRONMENTAL   SURVEYING LAND PLANNING   INTERIOR DESIGN 10250 Village Parkway, Suite 201 Port Saint Lucie, Florida 34987 772.462.2455 WWW.HALEYWARD.COM				
PROJECT				
<b>VITAS 12-BED INPATIENT HOSPICE FACILITY</b> (FKA VITAS - TRADITION) PORT SAINT LUCIE, FLORIDA				
TITLE				
<b>PAVING, GRADING &amp; DRAINAGE DETAILS</b>				
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			AS SHOWN	
DRAWN BY		VER	DESIGNED BY	
			JRH	
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DRAWING No.		#82270		
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DESIGNED BY		JRH		
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DRAWING No.		#82270		
DATE		12/16/2025		
SCALE		AS SHOWN		
DRAWN BY		VER		
DESIGNED BY		JRH		
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DESIGNED BY		JRH		
CHECKED BY		---		
PROJECT No.		20-288 ENG 12-16-25.DWG		
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DATE		12/16/2025		
SCALE		AS		



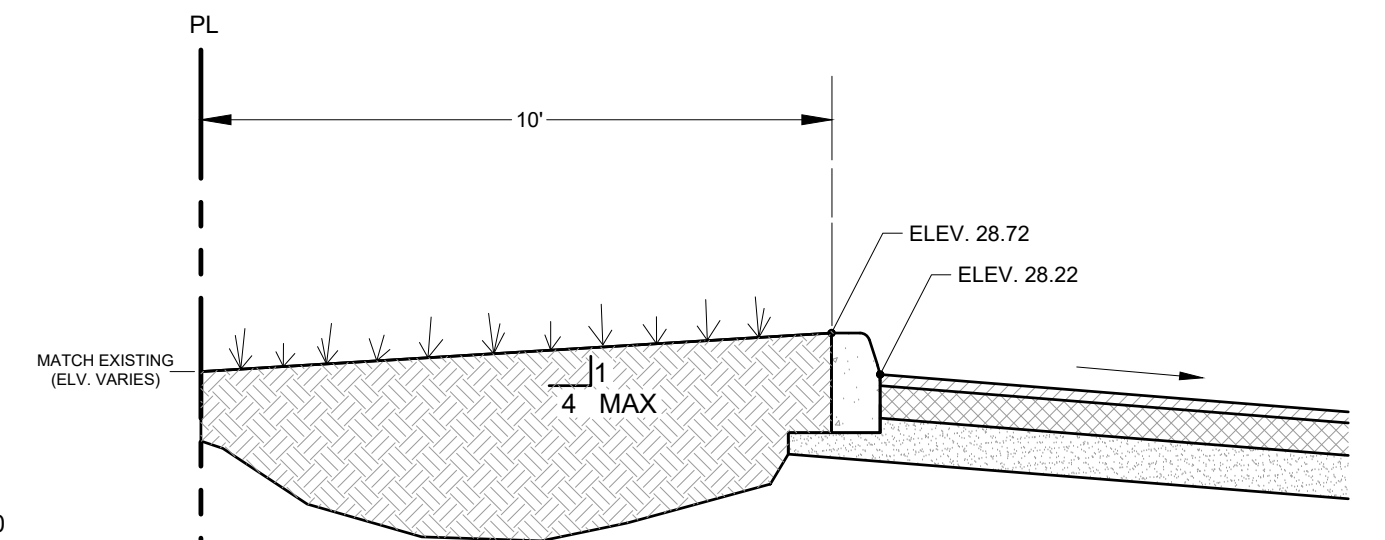
**PARKING SECTION A-A**  
N.T.S.



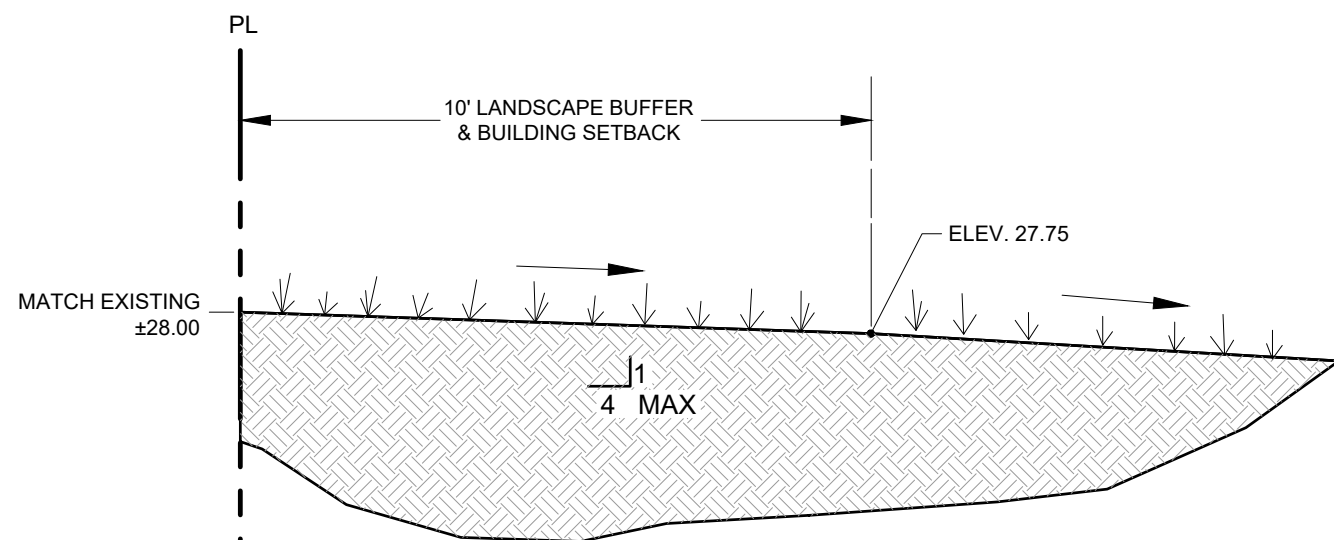
**PARKING SECTION B-B**  
N.T.S.



**PARKING SECTION C-C**  
N.T.S.



**PERIMETER SECTION D-D**  
N.T.S.



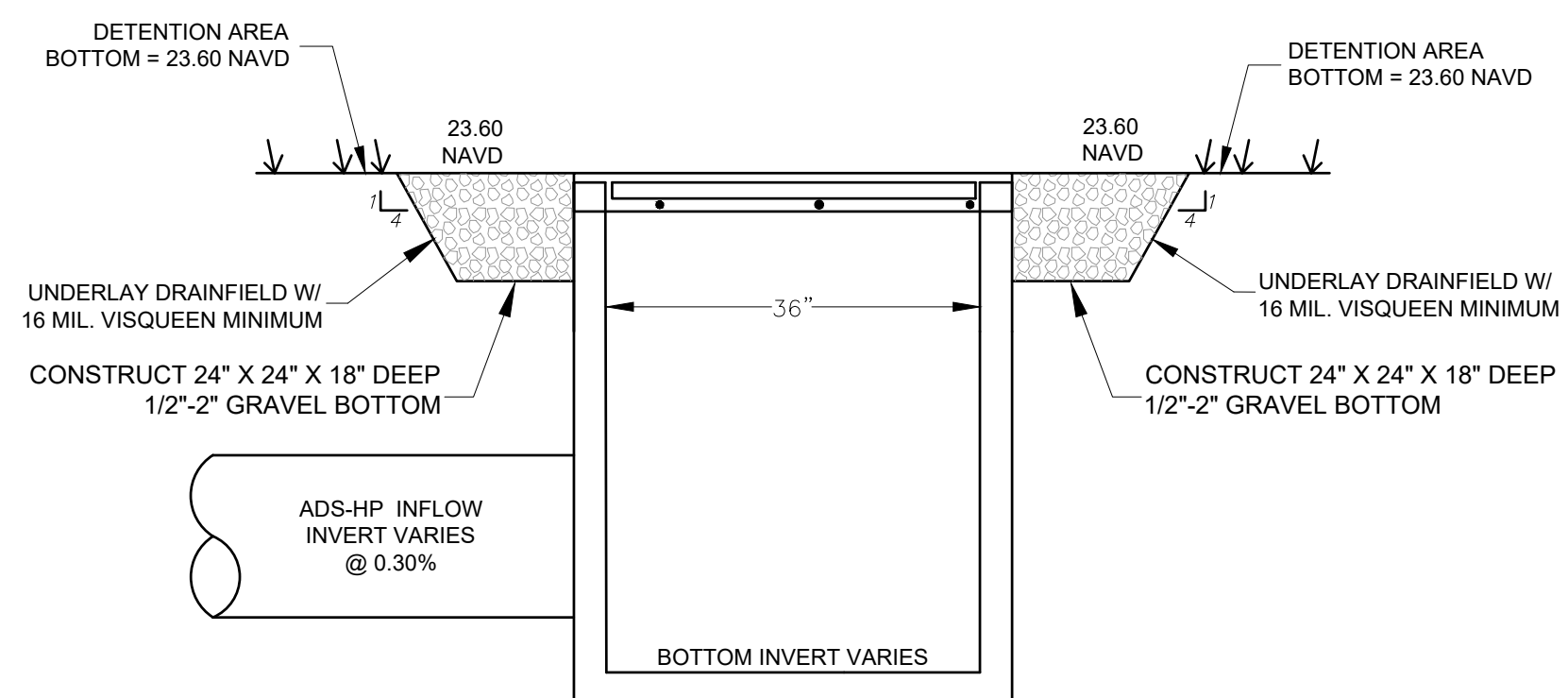
**PERIMETER SECTION E-E**  
N.T.S.

SPACING OR REQUIRED ROADWAY / PARKING AREA TESTS					
ITEMS TO BE TESTED	DENSITY		L.B.R.		THICKNESS
	MAX. SPACING LIN. FT. / SQ. FT.	MIN. DENSITY	MAX. SPACING LIN. FT. / SQ. FT.	MIN. L.B.R.	
COMPACTED OR STABILIZED SUBGRADE	300	10,000	300	10,000	PER INSP.
LIMEROCK BASE	300	10,000	300	10,000	300
SHELLROCK BASE	300	10,000	300	10,000	300
ASPHALT	---	---	---	---	PER INSP. / 10,000

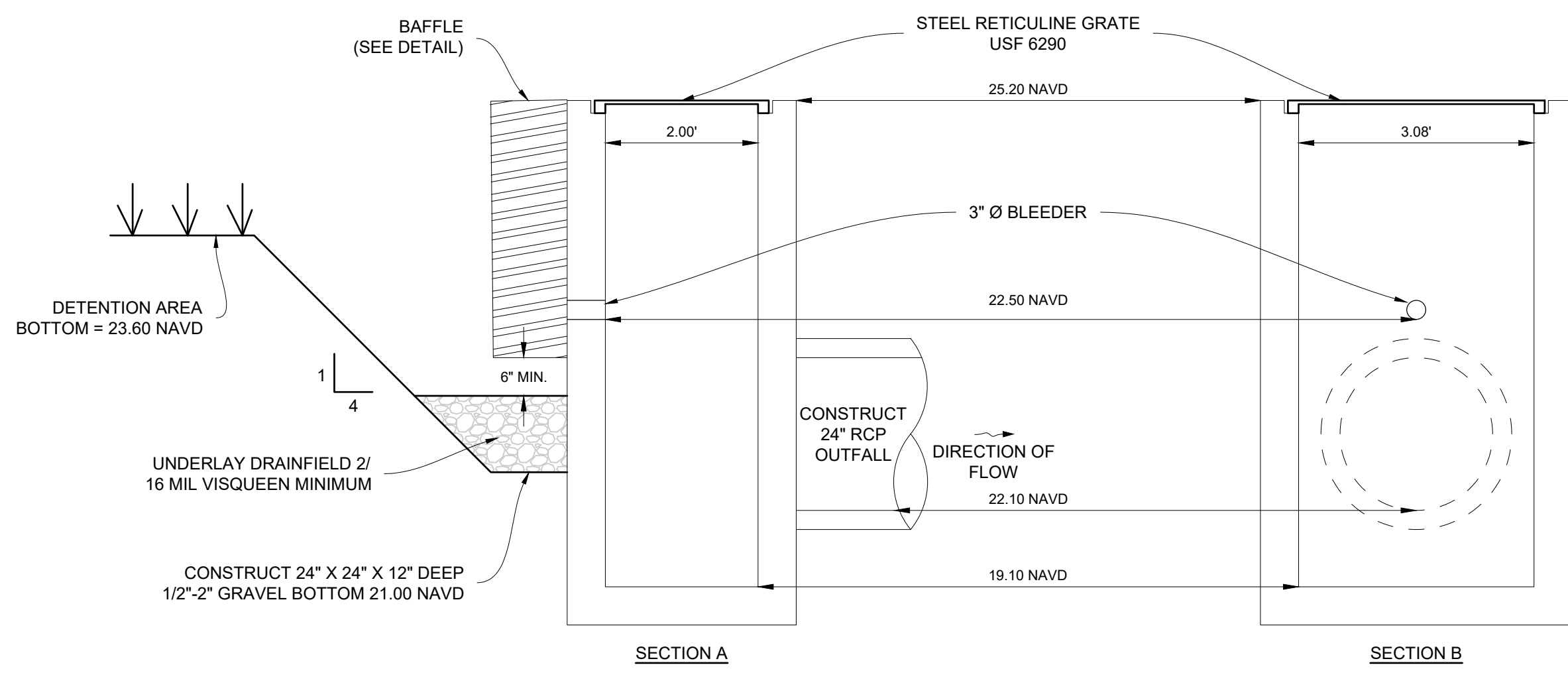
NOTE: ALL TESTING SHALL BE TAKEN IN A STAGGERED SAMPLING PATTERN FROM A POINT 12" INSIDE THE LEFT EDGE OF THE ITEM TESTED, TO THE CENTER, TO A POINT 12" INSIDE

Luminaire Schedule					
Symbol	Qty	Label	Arrangement	LLF	Description
+	5	SA	DI80	0.900	Ragni Lighting TEKK-M-64L-105-4-T5-UNV-TP/LT-XX
-	1	SB	SINGLE	0.900	Ragni Lighting TEKK-M-64L-105-4-T4-UNV-TP/LT-XX
-	3	SC	SINGLE	0.900	Ragni Lighting TEKK-M-64L-105-4-T2-UNV-TP/LT-XX

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking Lot	Illuminance	Fc	3.36	8.2	1.0	3.36	8.20
Property Line	Illuminance	Fc	0.14	0.5	0.0	N.A.	N.A.

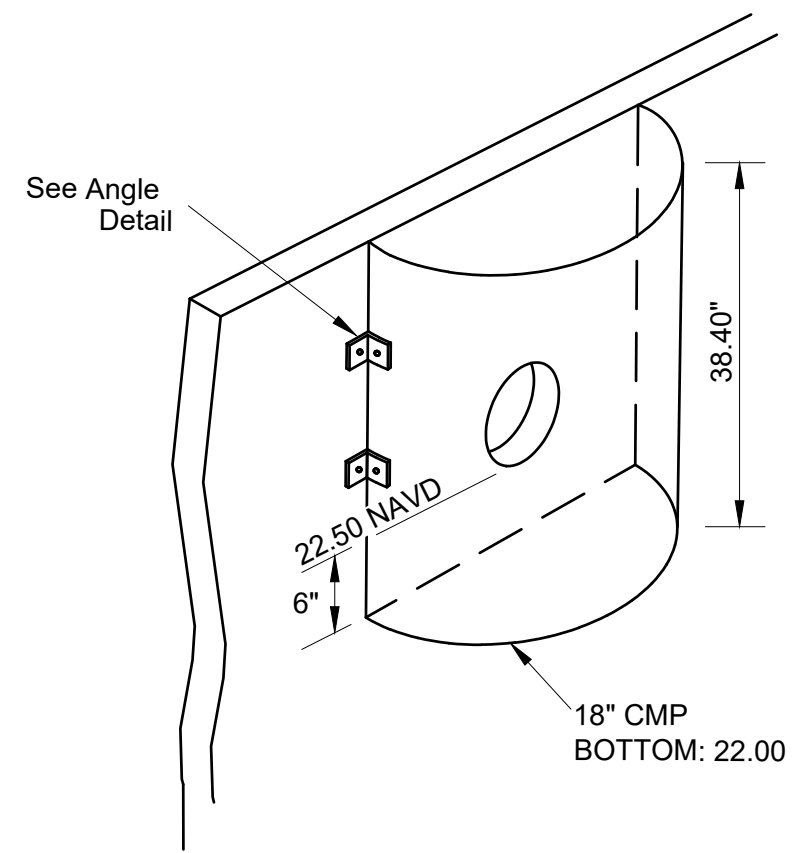


**BUBBLE UP DETAIL**



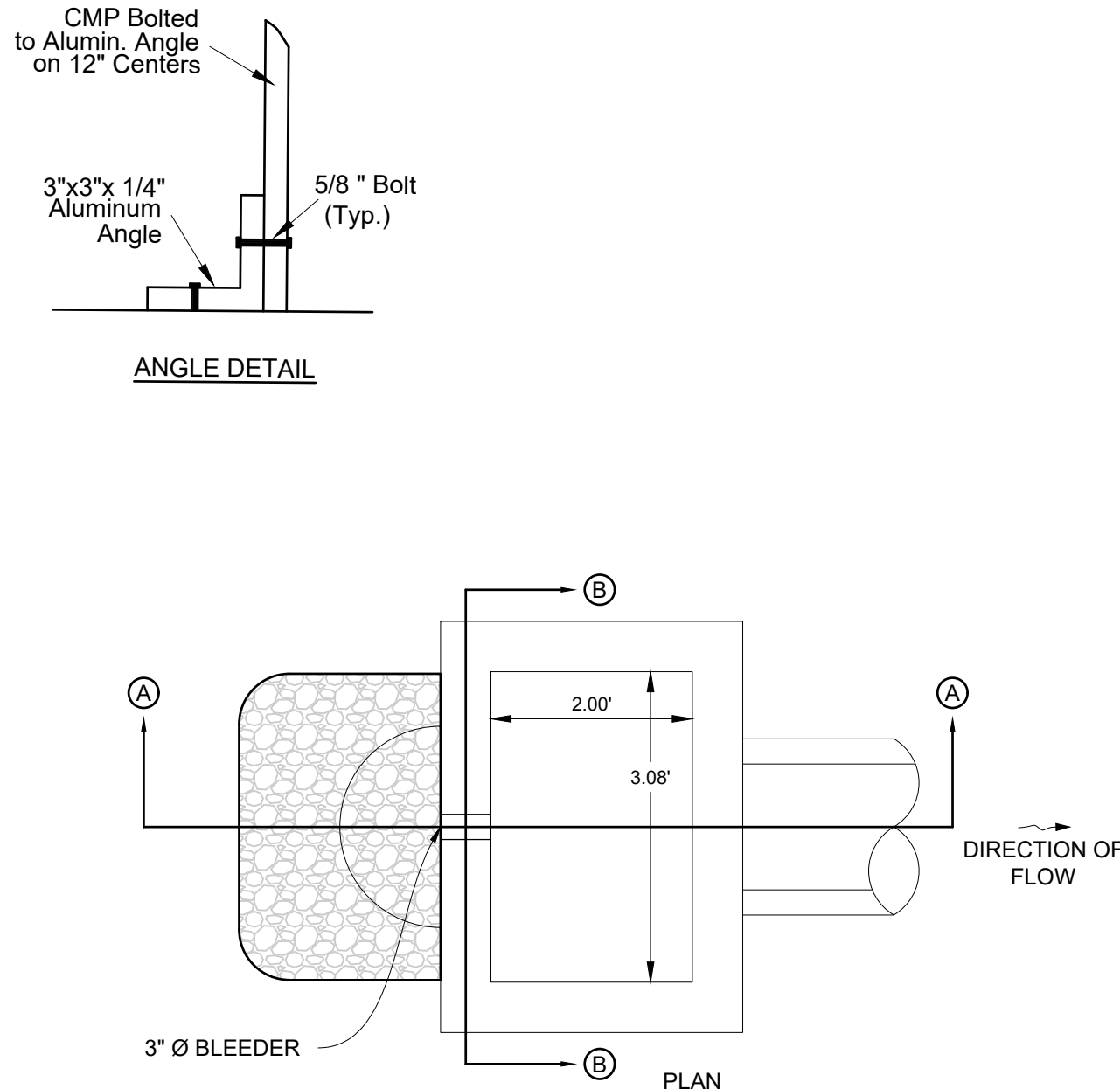
- NOTES:**
- REFER TO F.D.O.T. FOR ADDITIONAL PLANS 425-010, 425-001, AND 425-052 FOR INFORMATION.
  - TUCK FILTER FABRIC EDGE UNDER SOD TO PREVENT LOSSE ENDS
  - SOD ALL DISTURBED AREAS AND POND SIDE BANKS.

**CS-1 TYPE "C" CONTROL STRUCTURE**



- NOTE:**
- Seal all joints with ram-nek sealant.

**BAFFLE BOX DETAIL**



**ANGLE DETAIL**

**PLAN**

REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				
<b>NOT FOR CONSTRUCTION</b>				
PROJECT: <b>VITAS 12-BED INPATIENT HOSPICE FACILITY (FKA VITAS - TRADITION)</b> PORT SAINT LUCIE, FLORIDA				
TITLE: <b>PAVING, GRADING &amp; DRAINAGE DETAILS</b>				
DATE	12/16/2025	SCALE	AS SHOWN	
DRAWN BY	VER	DESIGNED BY	JRH	CHECKED BY
PROJECT No.	20-288 ENG 12-16-25.DWG			
DRAWING No.	<b>C-501</b>			
J.R. HARRISON, P.E. (DATE) 8/22/20 10250 SW VILLAGE PARKWAY - SUITE 201 PORT SAINT LUCIE, FL 34987 772-462-2455				

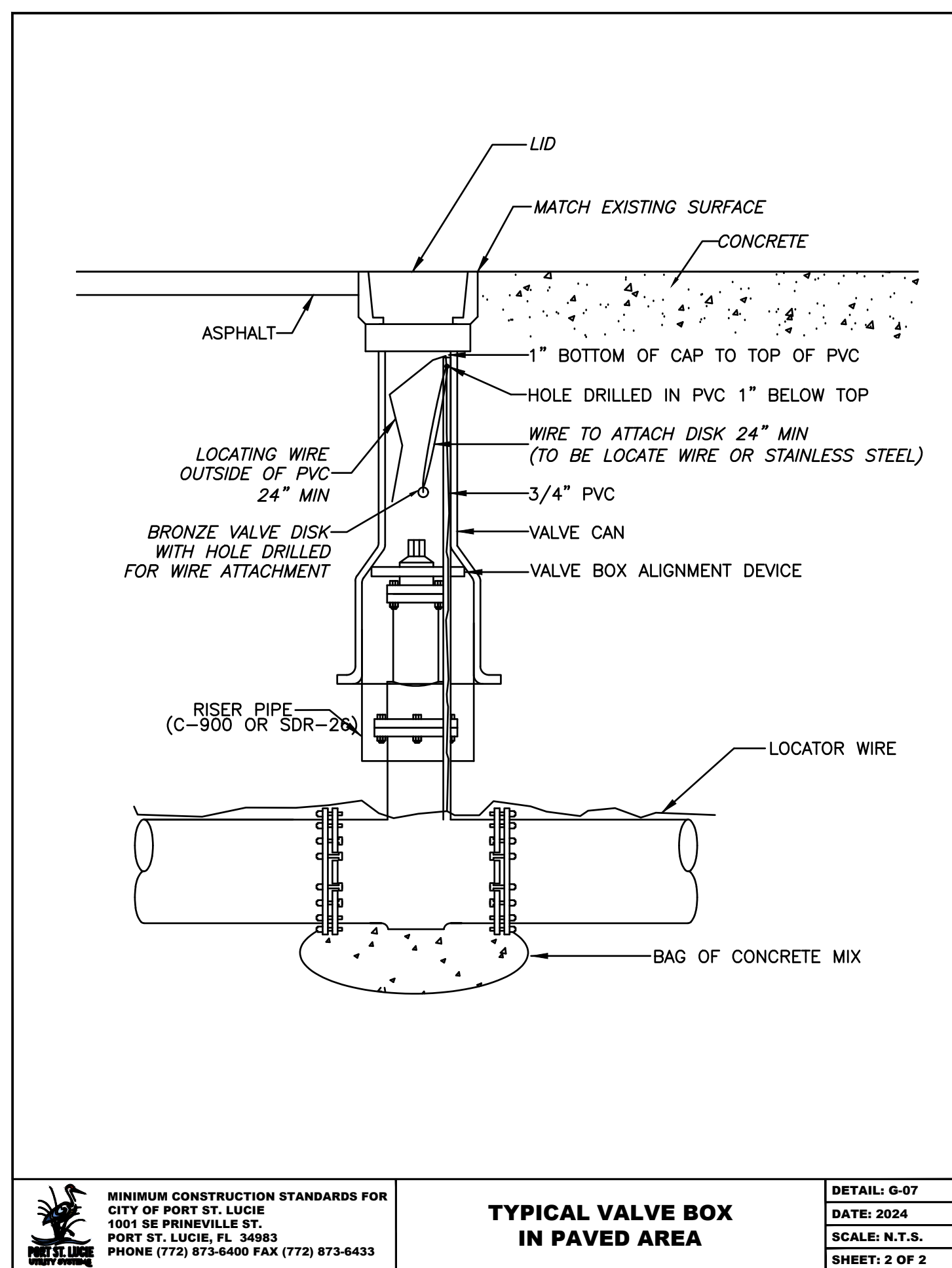
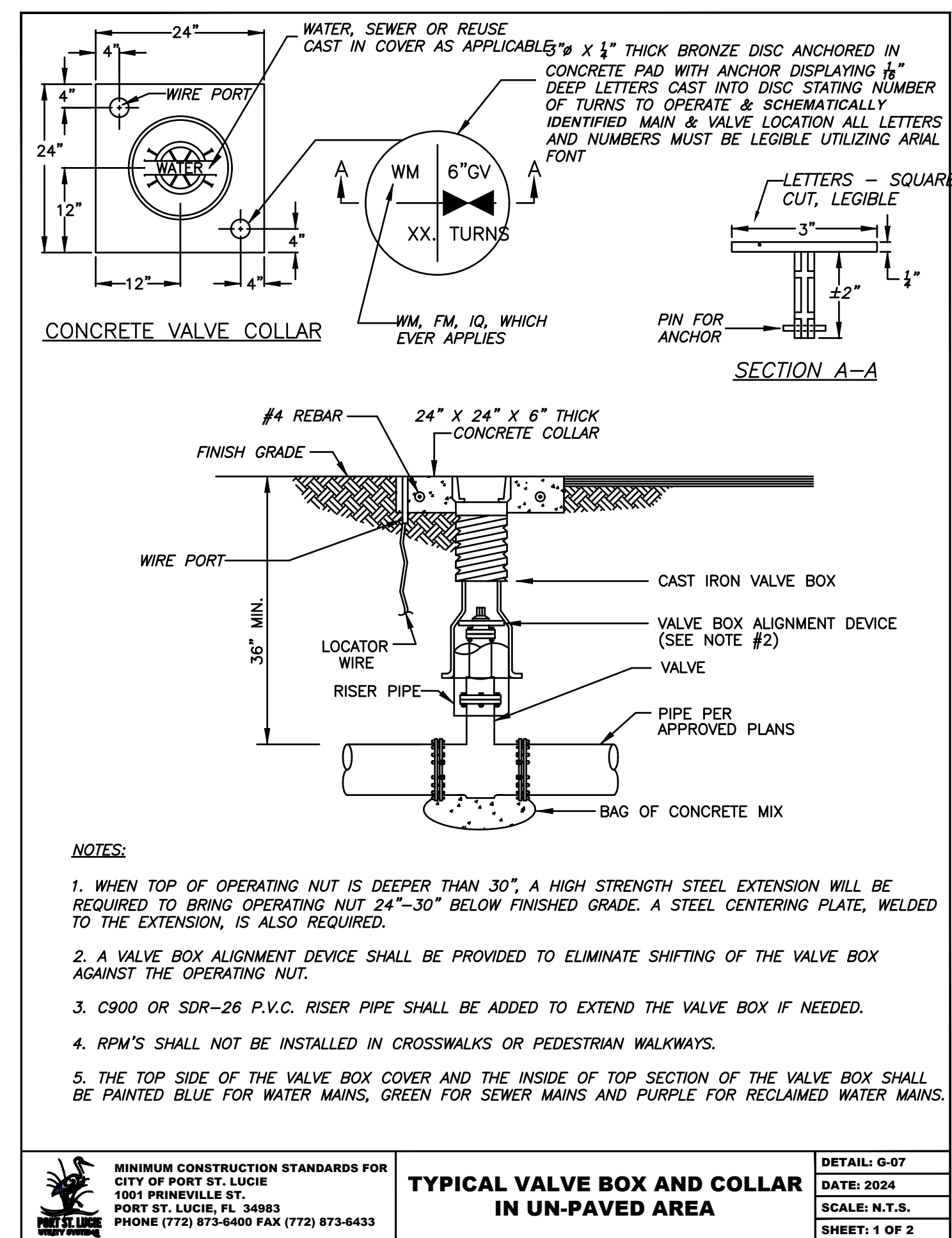
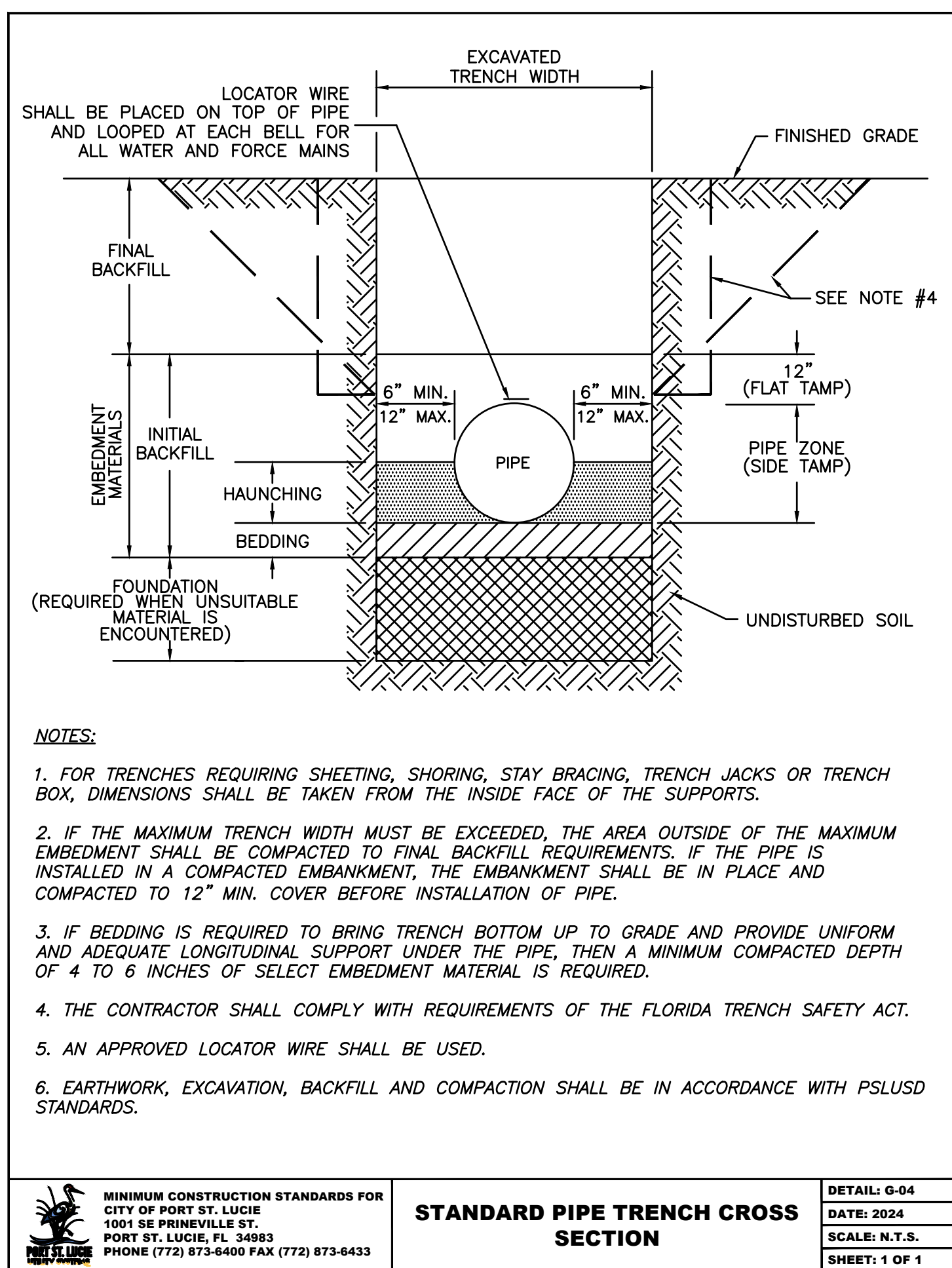
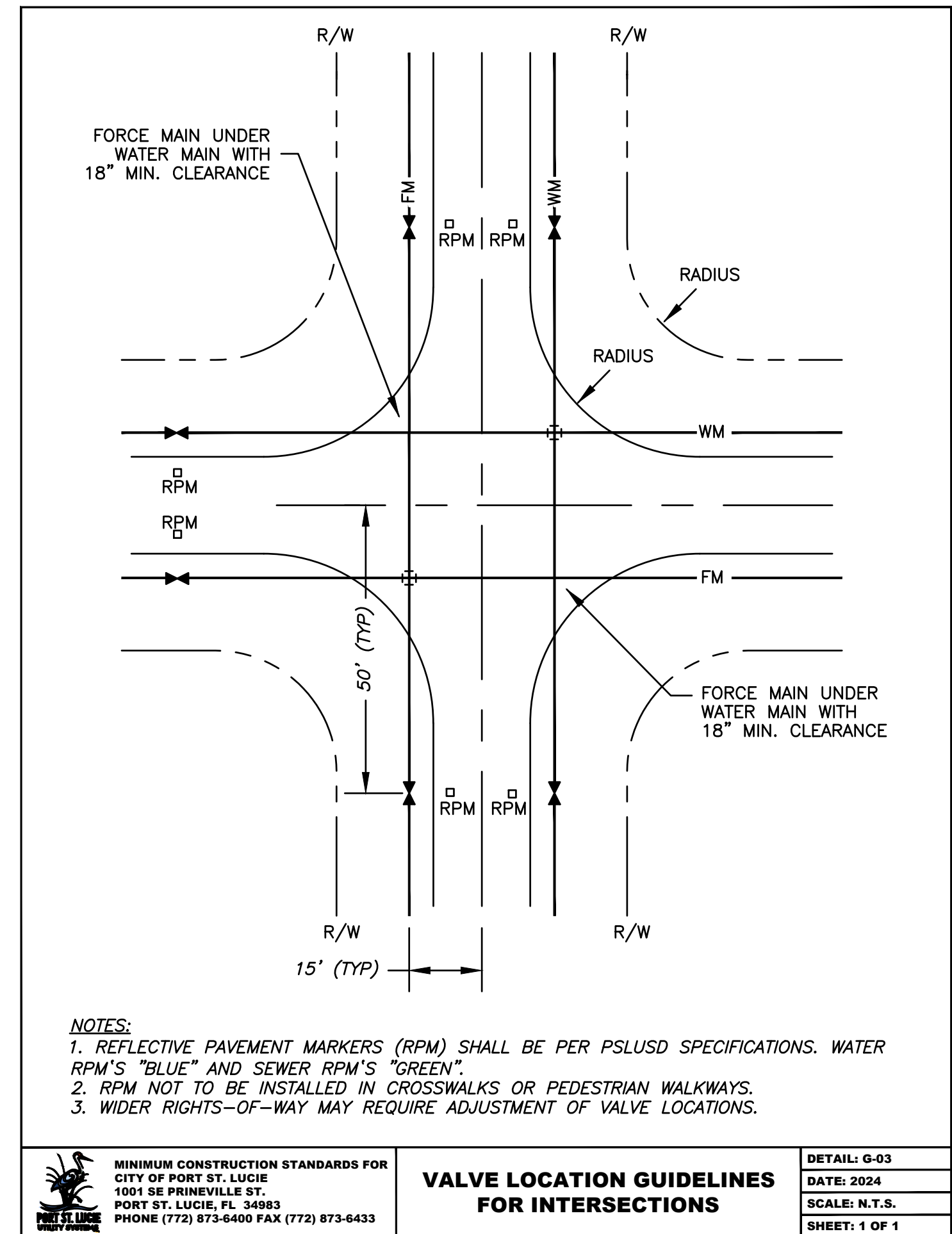
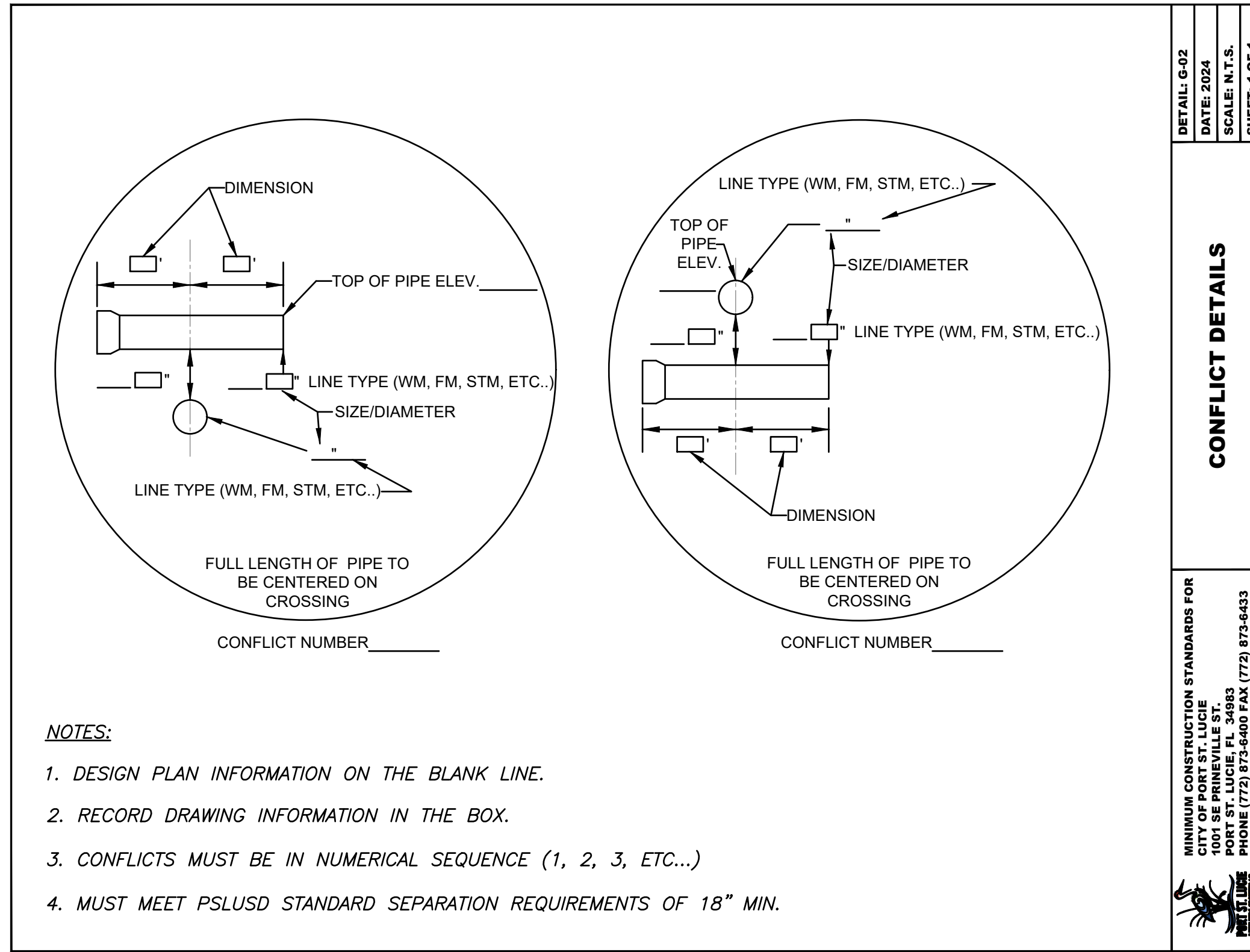


PSLUSD FILE#5386  
 PLANNING & ZONING DEPT.  
 SITE PLAN REVIEW #P21-003-A1

FILE LOCATION: Z:\DC\2025\288-VITAS - TRADITION\ENGINEERING\AUTOCAD\DWG\2025\288 ENG 12-16-25.DWG, 2025.12.16, 2:18 PM

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 FORCE MAIN, 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.



REV. DATE. DESCRIPTION. BY. CHK.

DRAWING ISSUE STATUS

**NOT FOR CONSTRUCTION**

**HALEY WARD**  
ENGINEERING | ENVIRONMENTAL | SURVEYING  
LAND PLANNING | INTERIOR DESIGN  
10250 Village Parkway, Suite 201  
Port Saint Lucie, Florida 34987  
772-462-2455

PROJECT: VITAS 12-BED INPATIENT HOSPICE FACILITY (FKA VITAS - TRADITION) PORT SAINT LUCIE, FLORIDA

TITLE: UTILITY DETAILS

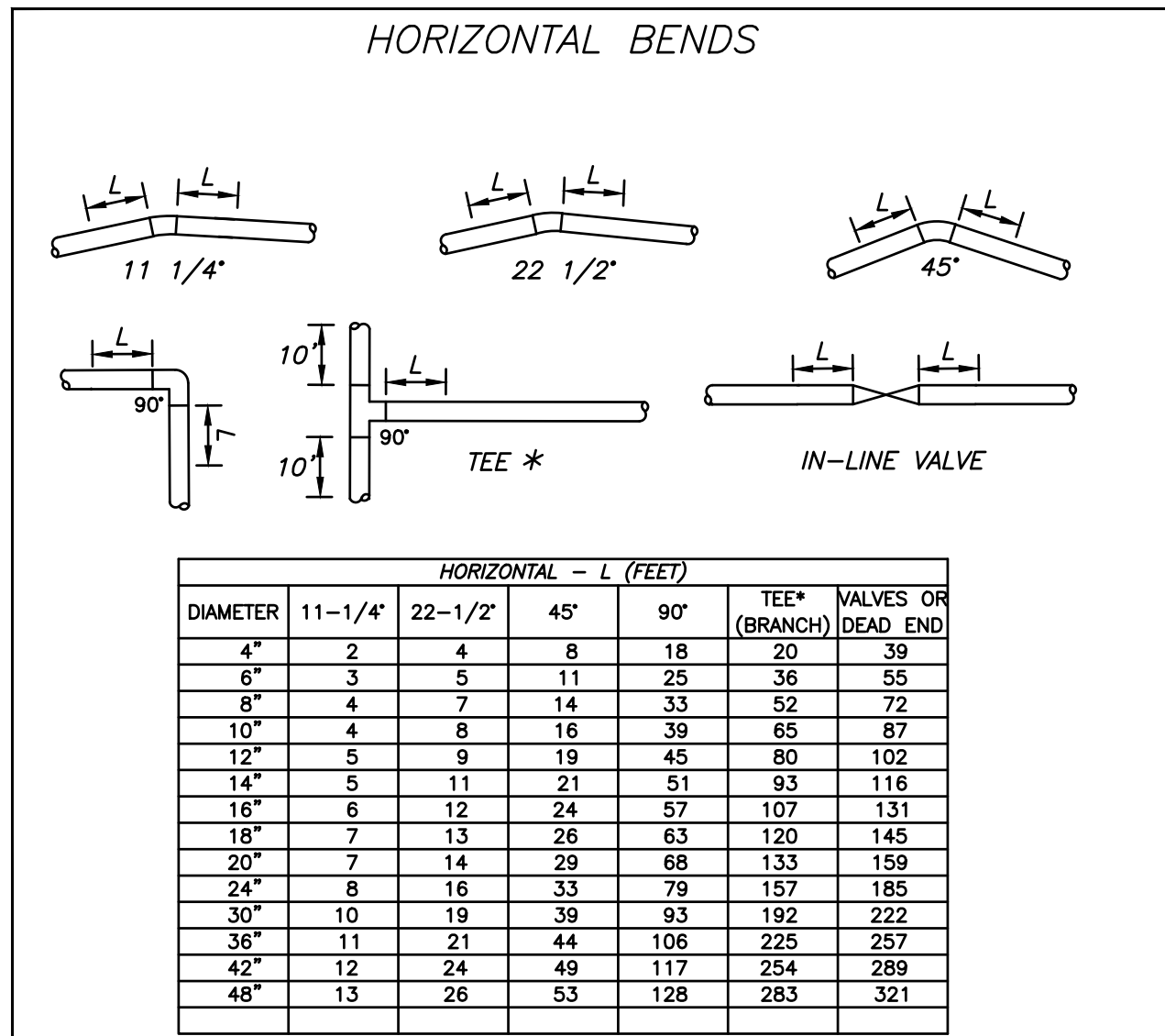
DATE: 12/16/2025 SCALE: AS SHOWN  
DRAWN BY: VER DESIGNED BY: JRH CHECKED BY: ---  
PROJECT No.: 20-288 ENG 12-16-25.DWG  
DRAWING No.: #82270  
J.R. HARRISON, P.E. (DATE) REV.  
#82270  
10250 SW VILLAGE PARKWAY - SUITE 201  
PORT SAINT LUCIE, FL 34987  
772-462-2455

**C-502**



FILE LOCATION: Z:\DC\2025\20-288 - VITAS - TRADITION\ENGINEERING\AUTOCAD\DWG\20-288\_EMS\_15-16-25.DWG, 2025.12.16, 2:18 PM

PSLUSD FILE#5386  
PLANNING & ZONING DEPT.  
SITE PLAN REVIEW #P21-003-A1



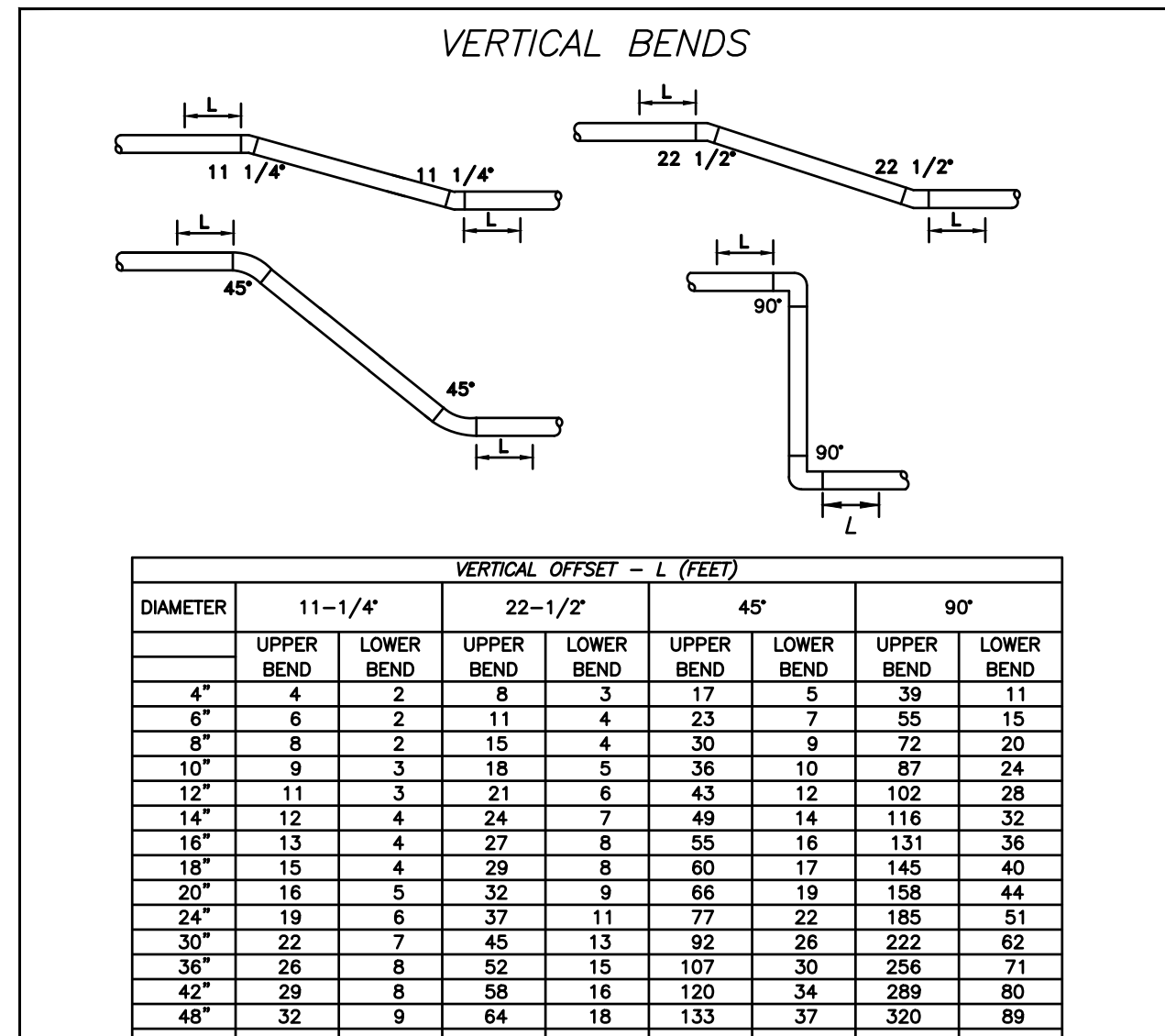
**NOTES:**

- THE REQUIREMENTS SET FORTH ABOVE WERE CALCULATED FOR PVC PIPE BASED UPON THE FOLLOWING ASSUMPTIONS:
  - SOIL CONDITIONS: SILTY SAND (SM)
  - TRENCH TYPE: 3 (PIPE BEDDED IN 4" MINIMUM OF LOOSE SOIL WITH BACKFILL LIGHTLY COMPACTED)
  - UPPER SIDE MINIMUM COVER: 3 FT
  - LOWER SIDE MINIMUM COVER: 3 FT
  - SAFETY FACTOR: 1.5
  - TEST PRESSURE: 150 PSI
  - \* SIZE ON SIZE TEE & 5' LENGTH ALONG RUN
- IF FIELD CONDITIONS DIFFER FROM THE ABOVE, THE ENGINEER-OF-RECORD (EOR) SHALL SUBMIT CALCULATIONS BASED ON THE FIELD CONDITION FOR REVIEW AND APPROVAL OF PSLUSD.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE  
1001 SE PRINCEVILLE ST., PORT ST. LUCIE, FL 34983  
PHONE (772) 873-6400 FAX (772) 873-6433

**PIPELINE RESTRAINT REQUIREMENTS (HORIZONTAL)**

DATE: 2024  
SCALE: N.T.S.  
SHEET: 1 OF 3



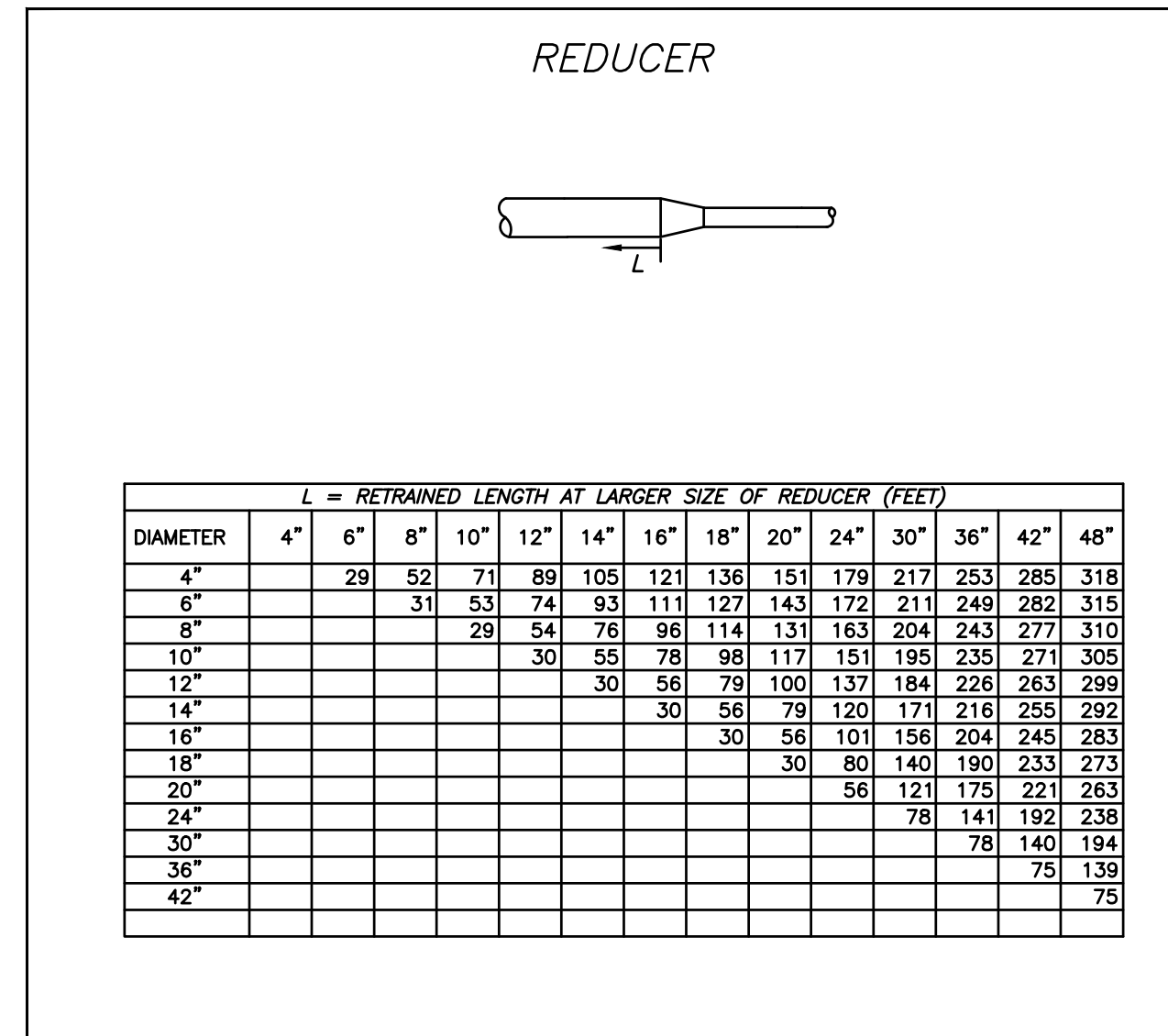
**NOTES:**

- THE REQUIREMENTS SET FORTH ABOVE WERE CALCULATED FOR PVC PIPE BASED UPON THE FOLLOWING ASSUMPTIONS:
  - SOIL CONDITIONS: SILTY SAND (SM)
  - TRENCH TYPE: 3 (PIPE BEDDED IN 4" MINIMUM OF LOOSE SOIL WITH BACKFILL LIGHTLY COMPACTED)
  - UPPER SIDE MINIMUM COVER: 3 FT
  - LOWER SIDE MINIMUM COVER: 3 FT
  - SAFETY FACTOR: 1.5
  - TEST PRESSURE: 150 PSI
- WHEN CONDITIONS DIFFER FROM THE ABOVE, THE ENGINEER-OF-RECORD (EOR) SHALL SUBMIT CALCULATIONS FOR REVIEW AND APPROVAL OF PSLUSD.
- ALL JOINTS BETWEEN UPPER AND LOWER BENDS SHALL BE RESTRAINED.

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**PIPELINE RESTRAINT REQUIREMENTS (VERTICAL)**

DATE: 2024  
SCALE: N.T.S.  
SHEET: 2 OF 3



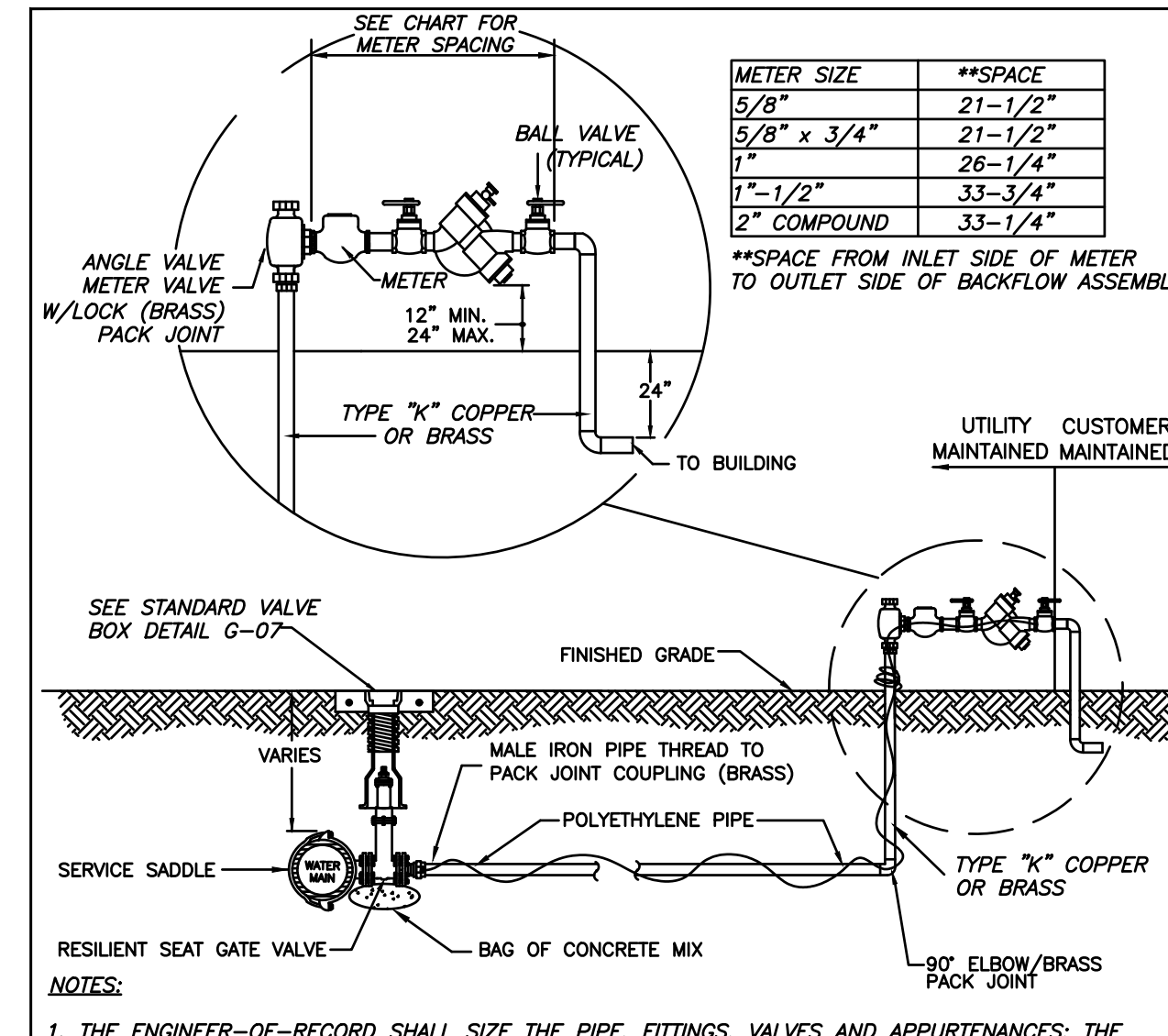
**NOTES:**

- THE REQUIREMENTS SET FORTH ABOVE WERE CALCULATED FOR PVC PIPE BASED UPON THE FOLLOWING ASSUMPTIONS:
  - SOIL CONDITIONS: SILTY SAND (SM)
  - TRENCH TYPE: 3 (PIPE BEDDED IN 4" MINIMUM OF LOOSE SOIL WITH BACKFILL LIGHTLY COMPACTED)
  - MINIMUM COVER: 3 FT
  - SAFETY FACTOR: 1.5
  - TEST PRESSURE: 150 PSI
- IF FIELD CONDITIONS DIFFER FROM THE ABOVE, THE ENGINEER-OF-RECORD (EOR) SHALL SUBMIT CALCULATIONS BASED ON THE FIELD CONDITION FOR REVIEW AND APPROVAL OF PSLUSD.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE  
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**PIPELINE RESTRAINT REQUIREMENTS (REDUCER)**

DATE: 2024  
SCALE: N.T.S.  
SHEET: 3 OF 3



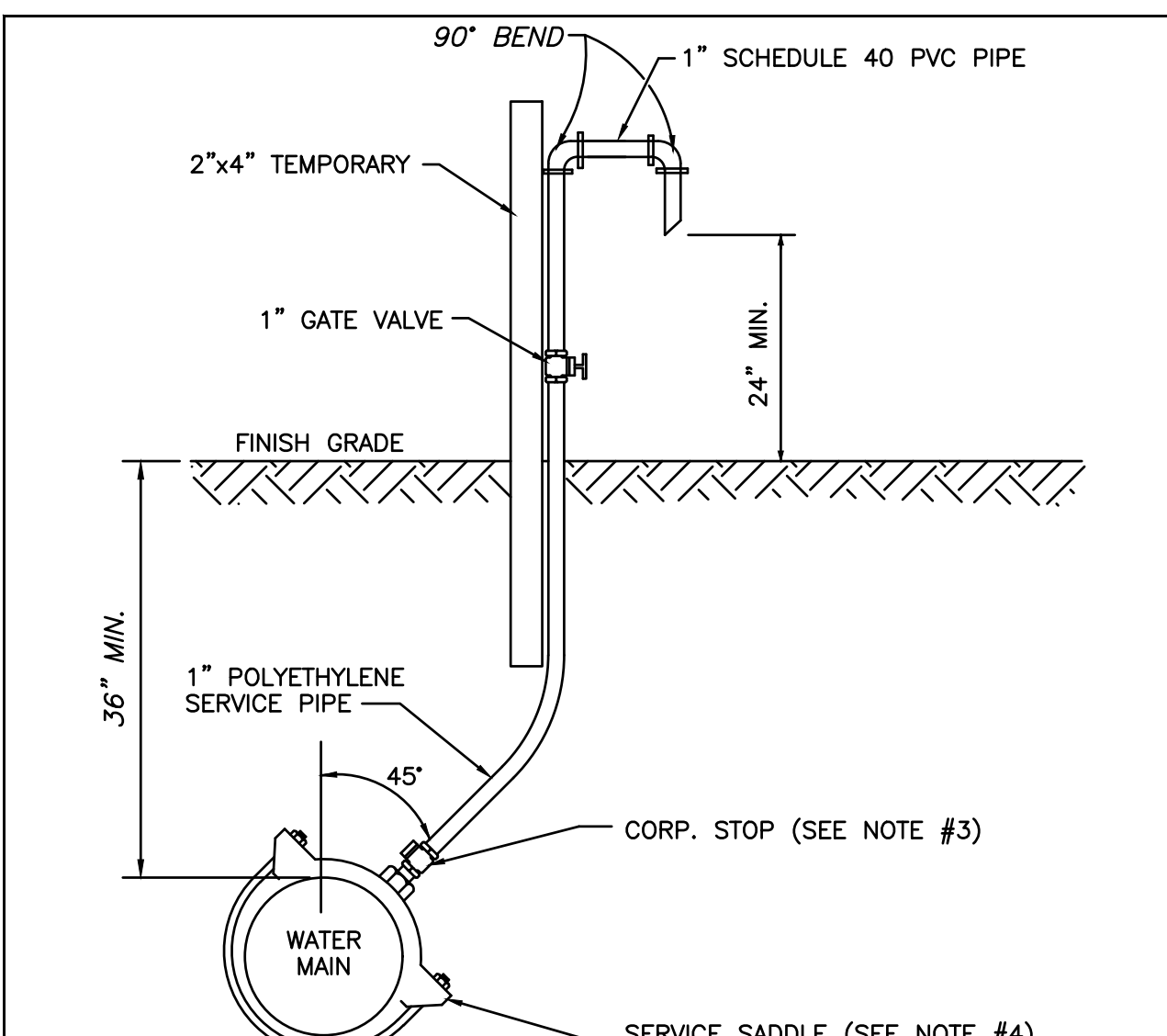
**NOTES:**

- THE ENGINEER-OF-RECORD SHALL SIZE THE PIPE, FITTINGS, VALVES AND APPURTENANCES; THE MINIMUM SHALL BE 2" UP TO THE ANGLE VALVE. METER SIZE CALCULATIONS TO BE SUBMITTED BASED ON AWWA RECOMMENDATIONS (MANUAL M-22)
- BOTH RISERS SHALL BE BRASS OR TYPE "K" COPPER TUBING (HARD DRAWN) WITH COPPER/BRASS THREADED FITTINGS AND ADAPTERS.
- ADDITIONAL SUPPORT SHALL BE PROVIDED AS NECESSARY TO SECURELY SUPPORT THE BACK FLOW PREVENTION ASSEMBLY.
- VALVE, SADDLE AND APPURTENANCES SHALL BE PER THE QUALIFIED PRODUCTS LIST.
- METERS AND BACKFLOW PREVENTERS 2" OR SMALLER SHALL BE INSTALLED BY PSLUSD. SEE SHEET 2 FOR MULTI-SERVICE METER BANK ASSEMBLY.
- AT THE DIRECTION OF THE PSLUSD, BOLLARDS MAY BE REQUIRED TO PREVENT DAMAGE FROM ACCIDENTS. REFER TO DETAIL G-15 FOR BOLLARD INSTALLATION.

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1001 SE PRINCEVILLE ST., PORT ST. LUCIE, FL 34983  
PHONE (772) 873-6400 FAX (772) 873-6433

**COMMERCIAL WATER SERVICE CONNECTION**

DATE: 2024  
SCALE: N.T.S.  
SHEET: 1 OF 2



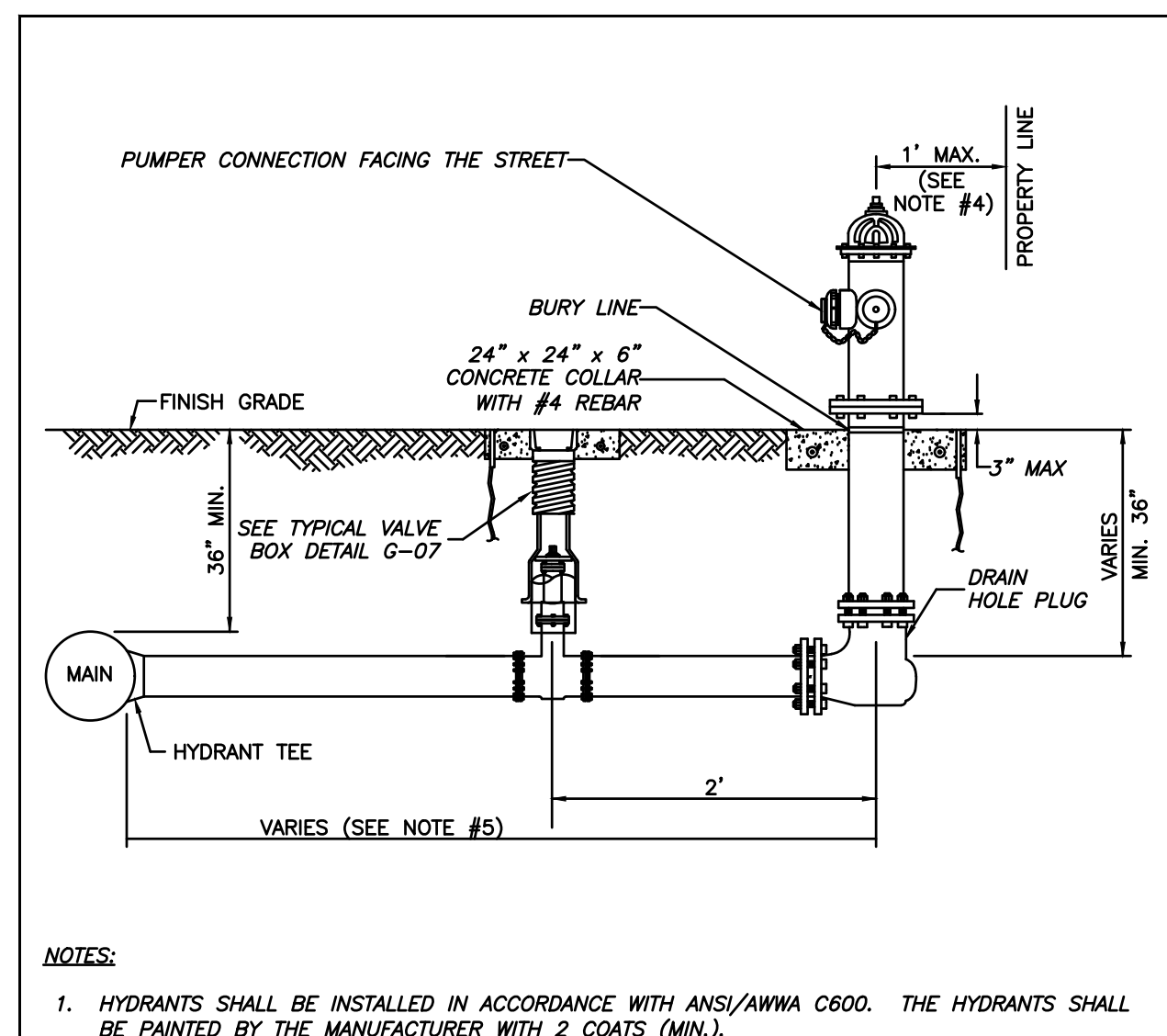
**NOTES:**

- SAMPLING POINTS SHALL BE LOCATED AS SHOWN ON PLANS APPROVED BY PSLUSD AND AS REQUIRED BY FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. A SAMPLE POINT MAP (SINGLE SHEET PDF) SHALL BE SUBMITTED TO PSLUSD FOR REVIEW PRIOR TO DISINFECTION.
- THE EXCAVATED HOLE FOR THIS INSTALLATION SHALL BE BACKFILLED TO FINISHED GRADE PRIOR TO DISCHARGING ANY WATER ON THE GROUND.
- AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED, THE CONTRACTOR SHALL TURN CORPORATION STOP OFF, REMOVE TUBING AND PLUG CORPORATION STOP WITH BRASS PLUG/CAP.
- NO DIRECT TAPS SHALL BE PERMITTED.

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

**WATER SAMPLING POINT**

DATE: 2024  
SCALE: N.T.S.  
SHEET: 1 OF 1



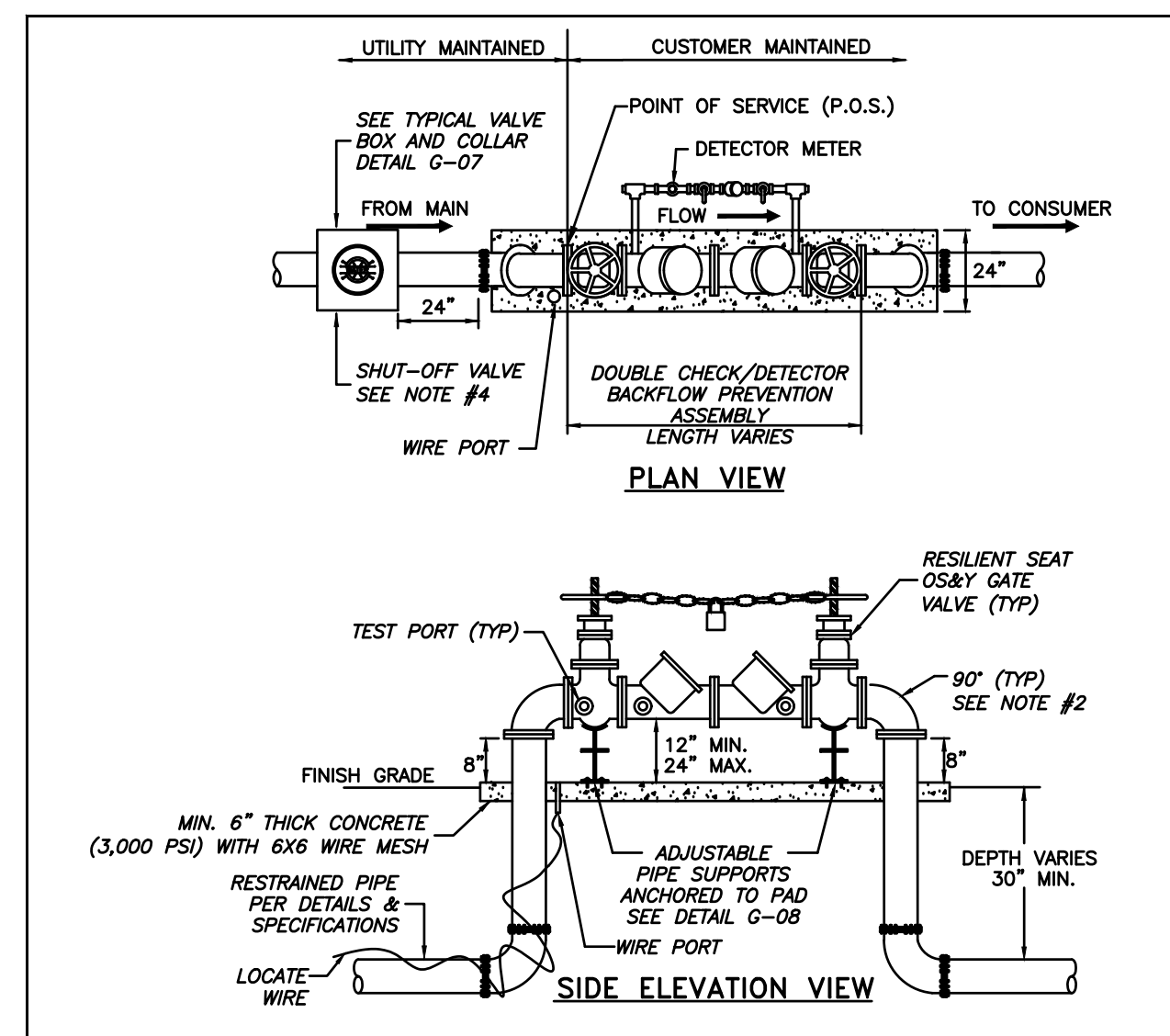
**NOTES:**

- 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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PHONE (772) 873-6400 FAX (772) 873-6433

**FIRE HYDRANT ASSEMBLY**

DATE: 2024  
SCALE: N.T.S.  
SHEET: 1 OF 1



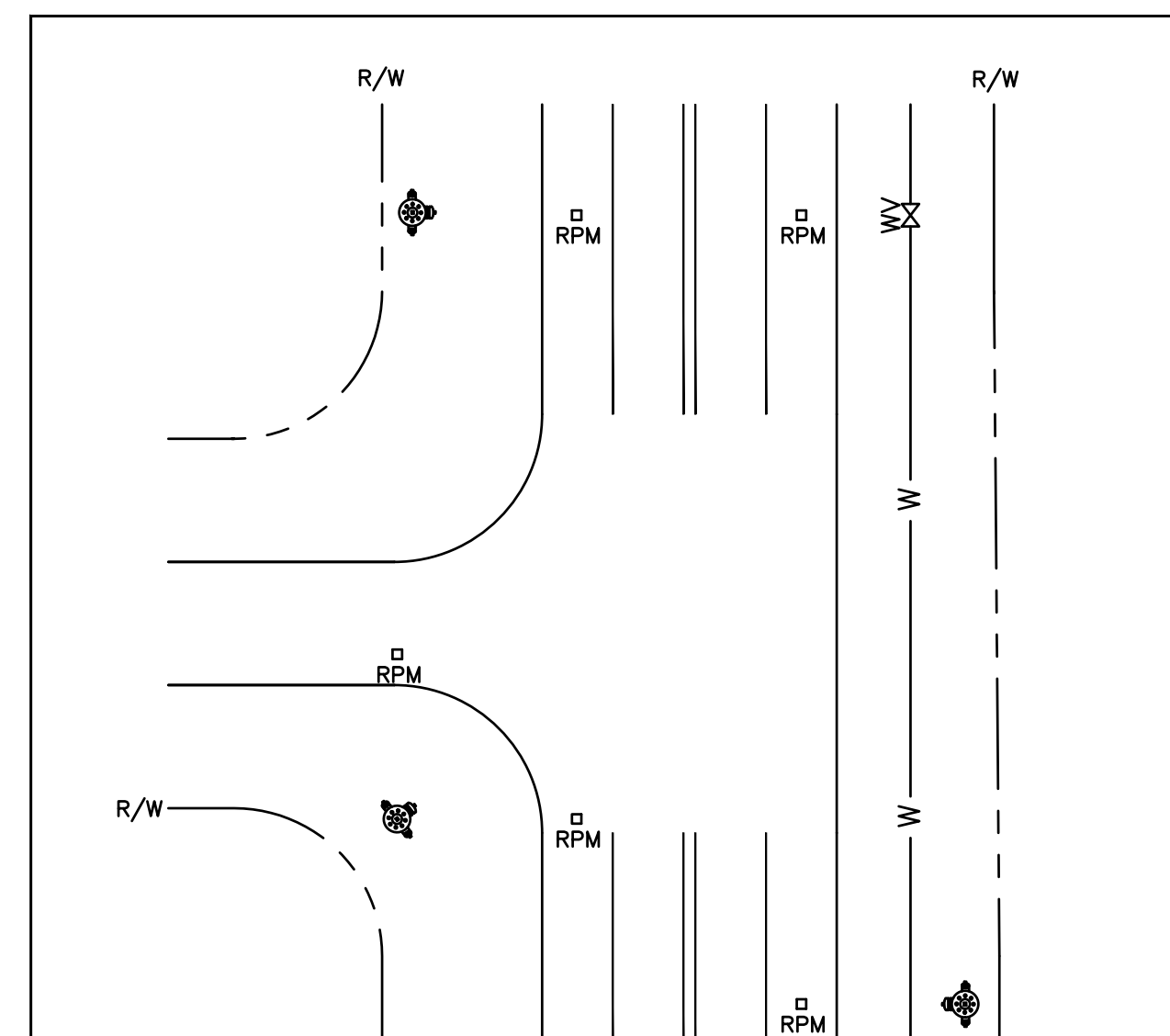
**NOTES:**

- ALL PIPE AND FITTINGS SHALL BE CLASS 53 DUCTILE IRON INCLUDING AND IN BETWEEN BURIED ELBOWS.
- ALL UNDERGROUND FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT TYPE & ALL ABOVE GROUND FITTINGS SHALL BE FLANGE JOINTS WITH FULL FACE NEOPRENE GASKETS, WITH STAINLESS STEEL BOLTS.
- A 3/8" STAINLESS STEEL CHAIN & LOCK SHALL BE PROVIDED BY CONTRACTOR FOR THE VALVES AS REQUIRED BY THE PSLUSD. VALVES TO BE LOCKED IN OPEN POSITION.
- TO MAINTAIN CONTINUITY OF SERVICE DURING REPAIRS TO THE ASSEMBLY, AN ISOLATION VALVE SHALL BE PROVIDED ON THE UTILITY'S MAIN AS SHOWN.
- 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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1001 SE PRINCEVILLE ST., PORT ST. LUCIE, FL 34983  
PHONE (772) 873-6400 FAX (772) 873-6433

**FIRE SERVICE BACKFLOW ASSEMBLY**

DATE: 2024  
SCALE: N.T.S.  
SHEET: 1 OF 1



**NOTES:**

- MARKER COLOR IS BLUE. PLACE IN CENTER OF THE LANE CLOSEST TO THE HYDRANT.
- IF HYDRANT IS LOCATED WITHIN THE RADIUS OF AN INTERSECTION PLACE A MARKER ON EACH ROADWAY IN THE CENTER LANES CLOSEST TO THE HYDRANT.
- MARKER IS PLACED PERPENDICULAR (90 DEGREES) TO THE HYDRANT.

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**FIRE HYDRANT REFLECTIVE PAVEMENT MARKER PLACEMENT GUIDELINE**

DATE: 2024  
SCALE: N.T.S.  
SHEET: 1 OF 1

REV | DATE | DESCRIPTION | BY | CHK

DRAWING ISSUE STATUS

**NOT FOR CONSTRUCTION**

**HALEY WARD**  
ENGINEERING | ENVIRONMENTAL | SURVEYING  
LAND PLANNING | INTERIOR DESIGN  
10250 Village Parkway, Suite 201  
Port Saint Lucie, Florida 34987  
772.462.2455  
WWW.HALEYWARD.COM

PROJECT: VITAS 12-BED INPATIENT HOSPICE FACILITY (FKA VITAS - TRADITION)  
PORT SAINT LUCIE, FLORIDA

TITLE: UTILITY DETAILS

DATE: 12/16/2025 | SCALE: AS SHOWN

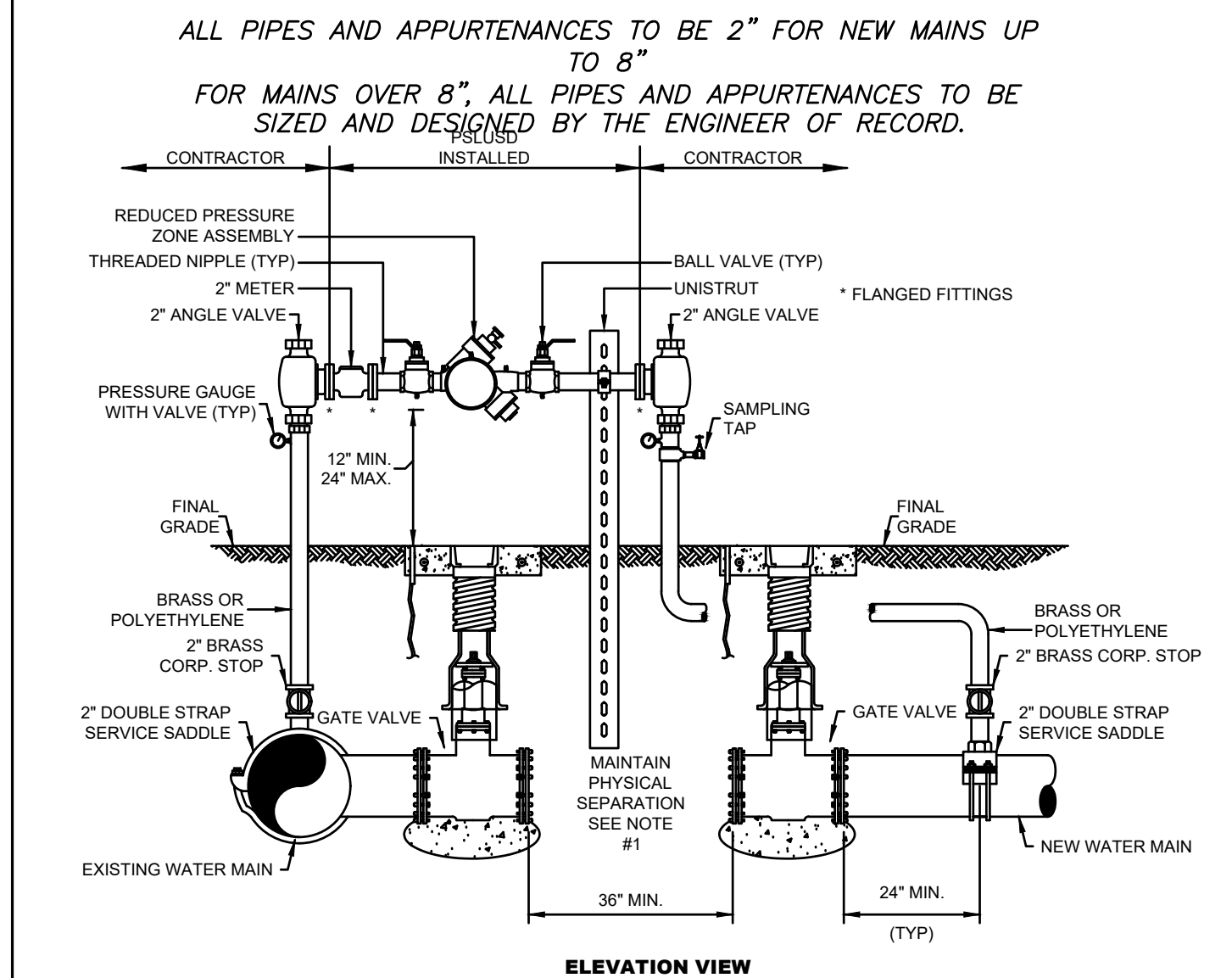
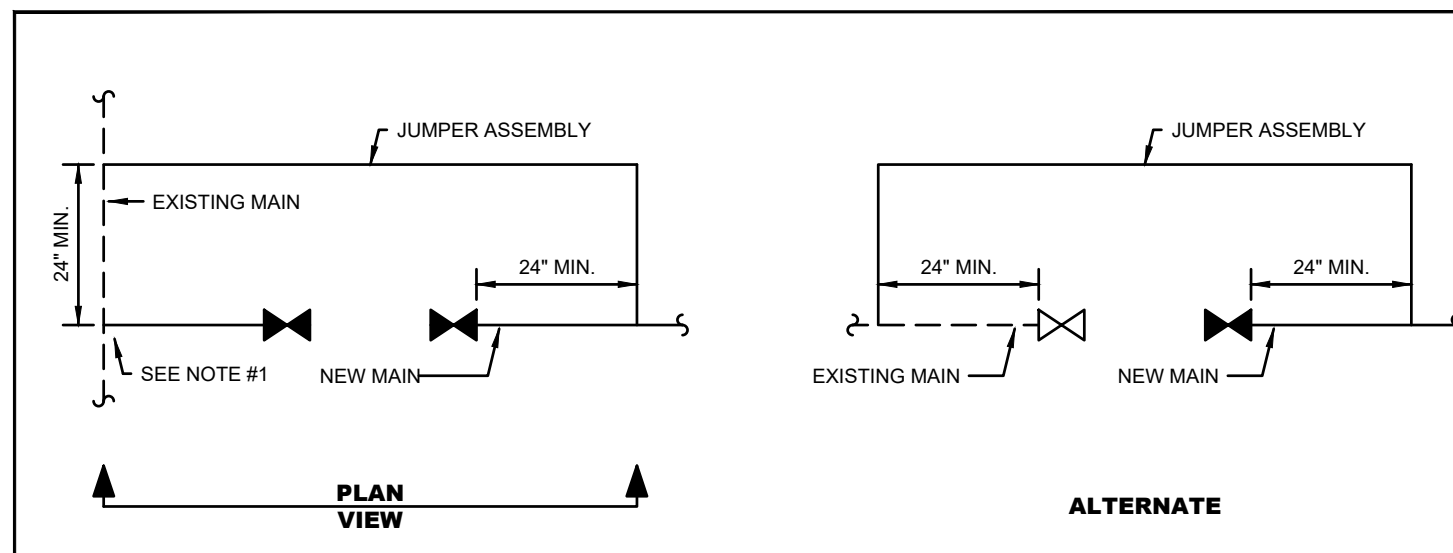
DRAWN BY: VER | DESIGNED BY: JRH | CHECKED BY: ---

PROJECT No.: 20-288 ENG 12-16-25.DWG

J.R. HARRISON, P.E. (DATE) 8/22/20  
10250 SV VILLAGE PARKWAY - SUITE 201  
PORT SAINT LUCIE, FL 34987  
772-462-2455

**C-503**



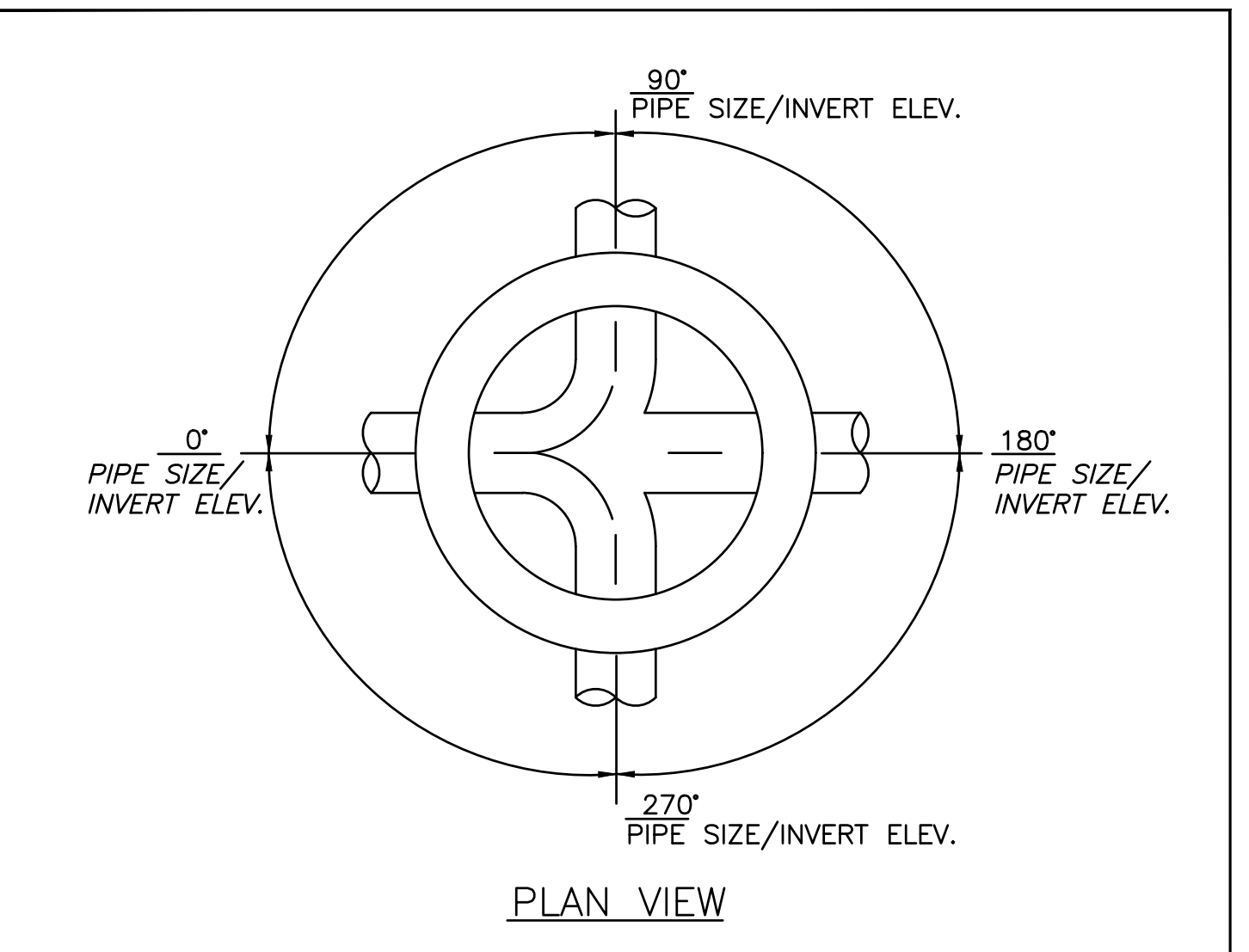


**TEMPORARY JUMPER CONNECTION (UP TO 8" PIPE)**  
 DETAIL: W-09  
 DATE: 2024  
 SCALE: N.T.S.  
 SHEET: 1 OF 2

**NOTES:**

- A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE PSLUD WATER MAINS AND PROPOSED NEW WATER MAINS. A PHYSICAL SEPARATION SHALL BE MAINTAINED, EXCEPT AS NOTED IN #5 BELOW. THE PROCEDURES ARE APPLICABLE WHEN CONNECTING TO AN EXISTING PSLUD WATER MAIN, WHETHER BY TAPPING TEE AND VALVE OR BY CONTINUATION OF A PLUGGED STUB OUT WITH AN EXISTING GATE VALVE.
- THE CONTRACTOR SHALL CONTACT THE PSLUD REGARDING SCHEDULING OF REQUIRED INSPECTIONS RELATING TO THE CONNECTION. PSLUD INSPECTIONS ARE SPECIFICALLY REQUIRED FOR TIE-INS OR WET TAPS TO EXISTING WATER MAINS. JUMPER INSTALLATION, FLUSHING, PRESSURE TESTING, DISINFECTION, SAMPLING, PLUGGING OF SAMPLING POINTS AND PERMANENT CONNECTION OF THE NEW WATER MAIN. THE CONTRACTOR SHALL FOLLOW ALL PROCEDURES STRICTLY IN ACCORDANCE WITH THE PSLUD UTILITY STANDARDS MANUAL.
- THE TEMPORARY JUMPER ASSEMBLY (FLANGE TO FLANGE) WILL BE SUPPLIED, INSTALLED AND TESTED BY THE PSLUD, IN COORDINATION WITH THE ENGINEER OF RECORD AND CONTRACTOR. OTHER MATERIALS AND INSTALLATION REQUIRED FOR THE CONNECTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE UNDERGROUND FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT TYPE. ALL MATERIALS SHALL BE PER THE PSLUD APPROVED QUALIFIED PRODUCTS LIST. THE JUMPER CONNECTION SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE ASSEMBLY IS REMOVED BY THE PSLUD.
- ALL NEW WATER MAINS SHALL BE DOUBLE-PIGGED, FLUSHED, PRESSURE TESTED AND DISINFECTED. NEW MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL THE BACTERIOLOGICAL TEST RESULTS ARE SATISFACTORY AND A WRITTEN APPROVAL HAS BEEN OBTAINED FROM THE PSLUD.
- A PHYSICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE EXISTING MAIN AND NEW MAIN, EXCEPT AS NOTED HEREIN. IF THE NEW MAIN IS OF A SIZE OR LENGTH THAT PIGGING/FLUSHING CANNOT BE EFFECTIVELY ACCOMPLISHED WITH THE JUMPER CONNECTION, MORE THAN ONE JUMPER MAY BE USED AS DETERMINED BY THE EOR OR, THE PSLUD MAY ALLOW A PHYSICAL CONNECTION UNDER CONTROLLED CONDITIONS AS FOLLOWS:
  - THE PROCEDURE WILL BE CONDUCTED BY THE CONTRACTOR IN THE PRESENCE OF A PSLUD INSPECTOR AND THE ENGINEER-OF-RECORD (EOR) OR REPRESENTATIVE.
  - THE CONTRACTOR SHALL DISINFECT THE PIPE AND FITTINGS USED TO MAKE THE CONNECTION BY SPRAYING AND SWABBING WITH CHLORINE.
  - ALL VALVES IN THE NEW SYSTEM DOWNSTREAM OF THE JUMPER SHALL BE OPENED BY THE CONTRACTOR PRIOR TO FLUSHING. THE VALVES SHOWN IN THIS DETAIL SHALL BE OPENED BY PSLUD PERSONNEL ONLY.
  - THE PIGGING AND FLUSHING SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF A PSLUD INSPECTOR. THE VALVES WILL BE CLOSED BY PSLUD PERSONNEL AFTER THE MAIN HAS BEEN FLUSHED.
- THE WATER MAINS SHALL BE PRESSURE TESTED AFTER FLUSHING AND PRIOR TO DISINFECTION. ALL VALVES SHALL REMAIN CLOSED DURING THE PRESSURE TEST AND WILL NOT BE OPENED UNTIL THE RESULTS OF PRESSURE TESTING AND BACTERIOLOGICAL TESTING ARE SATISFACTORY AND THE SYSTEM HAS BEEN ACCEPTED FOR OPERATION BY THE PSLUD.
- DISINFECTION SHALL BE CONDUCTED IN ACCORDANCE WITH AWWA C651. A MINIMUM PRESSURE OF 20 PSI SHALL BE MAINTAINED IN THE NEW MAIN AFTER DISINFECTION.
- CONNECTION TO EXISTING MAINS SHALL NOT BE MADE PRIOR TO BACTERIOLOGICAL CLEARANCE AND UNTIL APPROVED BY THE PSLUD.
- UPON WRITTEN ACCEPTANCE OF BACTERIOLOGICAL CLEARANCE BY THE PSLUD, THE SAMPLING POINTS CAN BE REMOVED AND PLUGGED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE THE PERMANENT CONNECTION IN THE PRESENCE OF A PSLUD INSPECTOR. UNLESS THE CONNECTION WAS PREVIOUSLY MADE AS INDICATED IN NOTE 5D, THE PIPE AND FITTINGS FOR CONNECTION SHALL BE DISINFECTED BY SPRAYING AND SWABBING WITH CHLORINE. ONCE APPROVAL TO PLACE THE WATER SYSTEM INTO OPERATION HAS BEEN RECEIVED, THE JUMPER ASSEMBLY (FLANGE TO FLANGE) WILL BE REMOVED BY THE PSLUD IN COORDINATION WITH THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE THE REST OF THE JUMPER CONNECTION PIPING AND PLUG THE CORPORATION STOP VALVES.
- ABANDONED TAP LOCATIONS TO BE SHOWN ON THE AS-BUILTS.

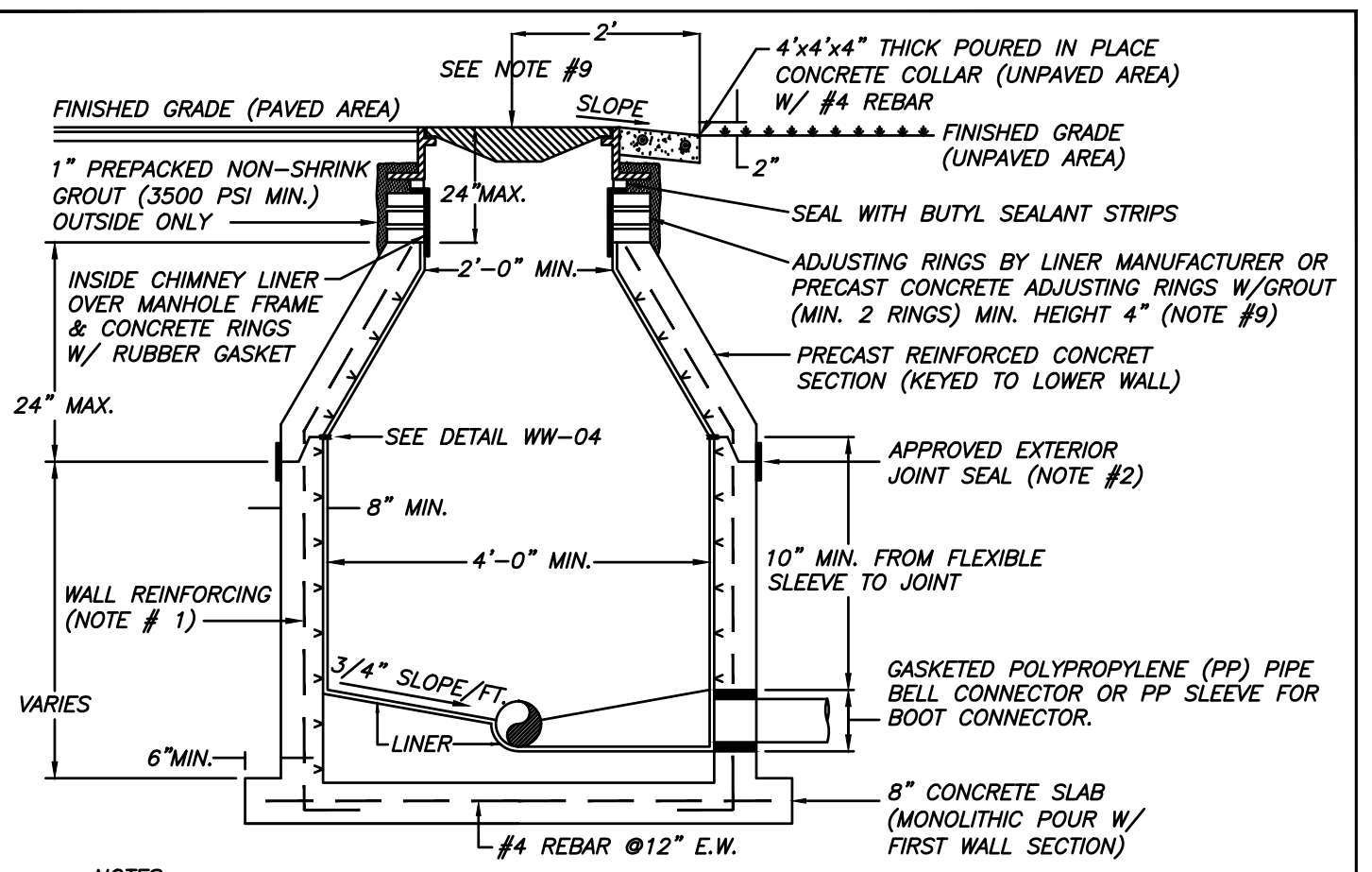
**TEMPORARY JUMPER CONNECTION**  
 DETAIL: W-09  
 DATE: 2024  
 SCALE: N.T.S.  
 SHEET: 2 OF 2



**NOTES:**

- THE ENGINEER-OF-RECORD SHALL SUBMIT TO PSLUD THE SHOP DRAWINGS FOR EACH STRUCTURE, PROVIDING THE DIAMETER OF EACH PIPE, INVERT ELEVATION OF EACH PIPE, RIM ELEVATION AND THE NUMBER OF DEGREES BETWEEN PIPES. (15 DEGREE INCREMENTS IF POSSIBLE)
- MANHOLE INTERIOR SHALL BE LINED UTILIZING A CORROSION BARRIER SYSTEM. LISTED ON THE PSLUD QUALIFIED PRODUCT LIST.
- MANHOLE EXTERIOR SHALL BE COATED WITH A PRIMER AND TWO COATS OF A WATER BASED EPOXY 3-5 MILS EACH PER THE PSLUD SPECIFICATIONS. APPLICATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.

**INVERT FLOW CHANNELS FOR MANHOLES**  
 DETAIL: WW-01  
 DATE: 2024  
 SCALE: N.T.S.  
 SHEET: 1 OF 1

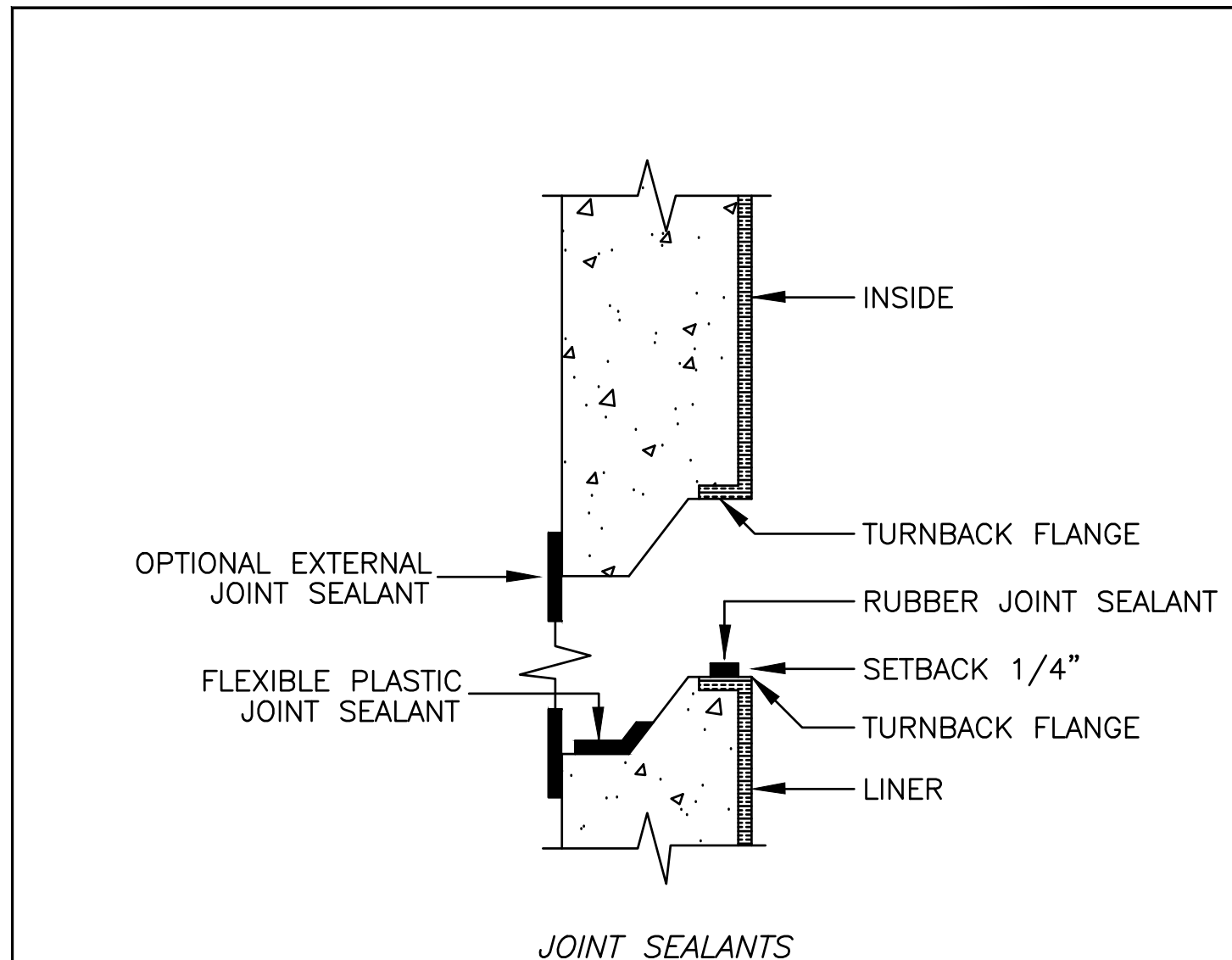


**NOTES:**

- 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.

CONT. ON SHEET 2 OF 2

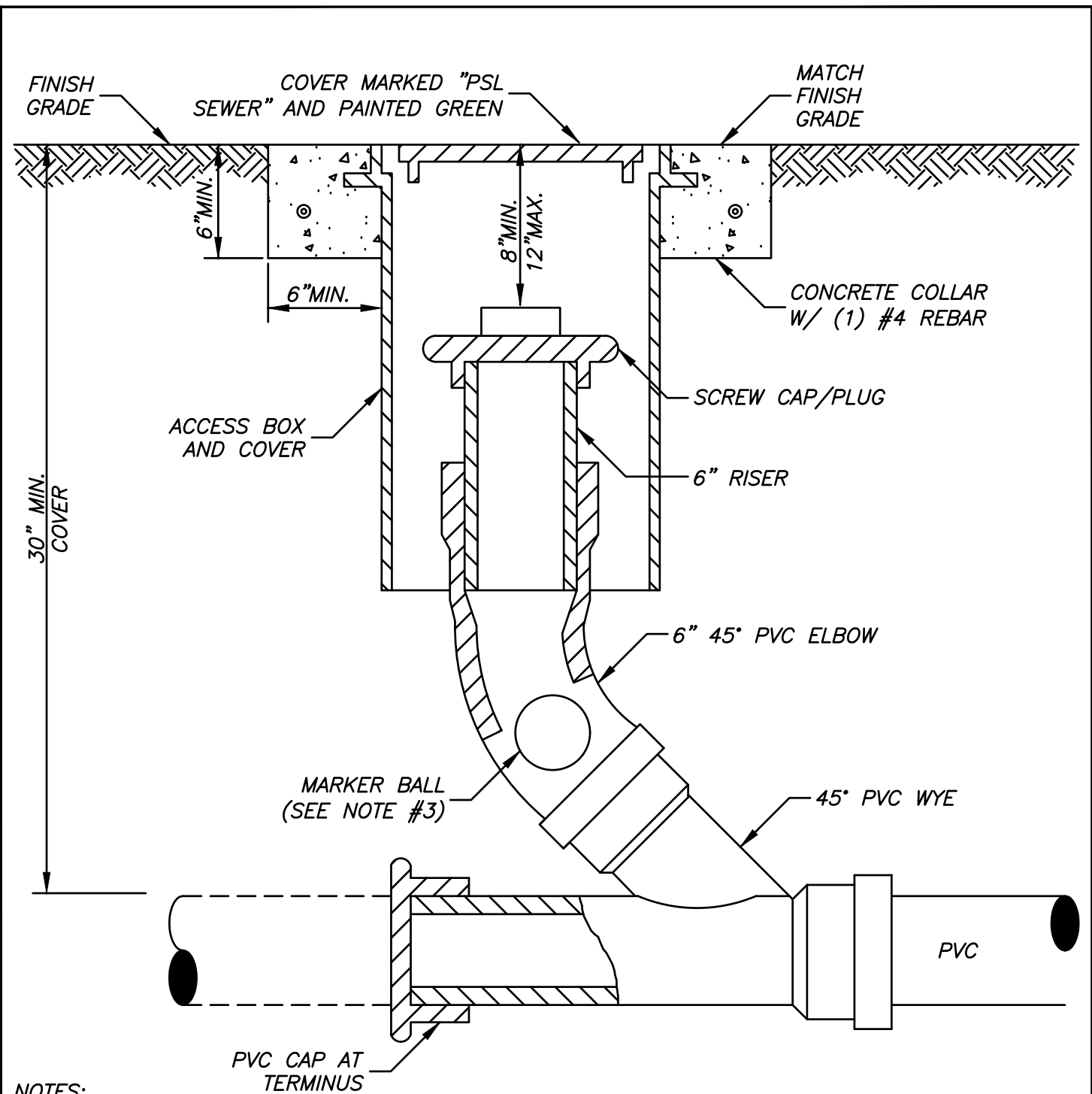
**STANDARD PRECAST MANHOLE**  
 DETAIL: WW-02  
 DATE: 2024  
 SCALE: N.T.S.  
 SHEET: 1 OF 2



**NOTES:**

- APPROVED JOINT SEALANTS SHALL BE USED.
- WELDED CAP STRIPS AT JOINTS OR WELDED JOINTS MAY BE ACCEPTABLE IF APPROVED IN WRITING BY PSLUD.

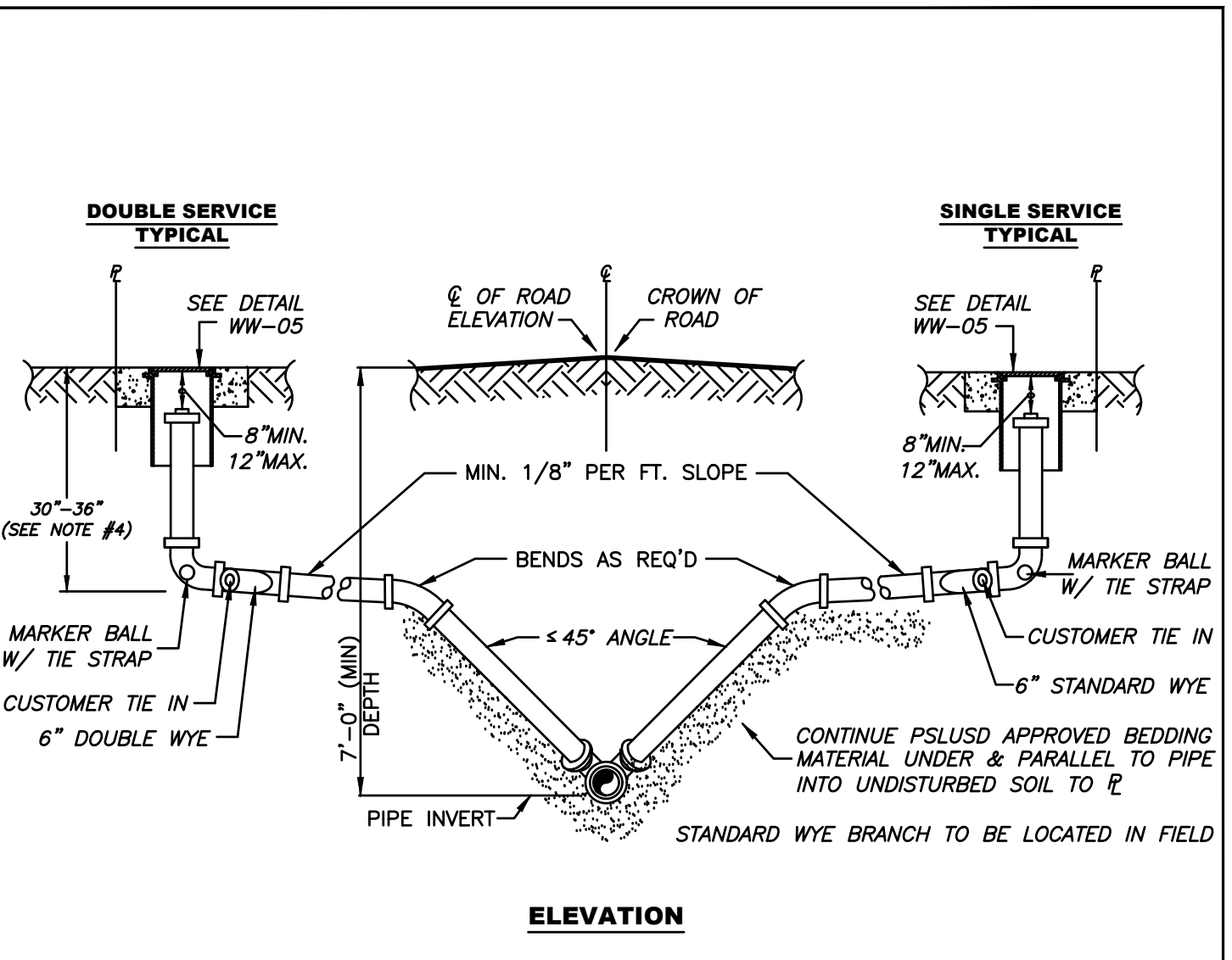
**MANHOLE / WETWELL JOINT DETAIL**  
 DETAIL: WW-04  
 DATE: 2024  
 SCALE: N.T.S.  
 SHEET: 1 OF 1



**NOTES:**

- AN ACCESS BOX AND COVER SHALL BE USED.
- CLEANOUT ASSEMBLY SHALL BE INSTALLED AT A MAXIMUM 75' INTERVALS AND AT TERMINAL POINT OF THE PSLUD RESPONSIBILITY. THE LOCATION SHALL BE IN ACCORDANCE WITH THE PSLUD UTILITY STANDARDS.
- MARKER BALL SHALL BE STRAPPED TO THE ELBOW.

**SANITARY SEWER CLEANOUT**  
 DETAIL: WW-05  
 DATE: 2024  
 SCALE: N.T.S.  
 SHEET: 1 OF 1



**NOTES:**

- PSLUD APPROVED BEDDING MATERIAL SHALL BE USED FOR EXCAVATION BACK FILL.
- LOCATE MARKER BALL WITH TIE STRAPS TO BE ATTACHED TO 6" ELBOW.
- THE ENGINEER OF RECORD SHALL ENSURE THAT THE PROPOSED PLUMBING STUB-OUT ELEVATION FOR EACH BUILDING WILL ALLOW FOR A GRAVITY CONNECTION TO THE SANITARY SEWER LATERAL WITH THE REQUIRED SLOPE. HORIZONTAL AND VERTICAL SEPARATION SHALL BE MAINTAINED AS REQUIRED IN THE UTILITY STANDARDS MANUAL.

**SANITARY SEWER LATERAL (DEEP)**  
 DETAIL: WW-07  
 DATE: 2024  
 SCALE: N.T.S.  
 SHEET: 1 OF 1

REV. DATE. DESCRIPTION. BY. CHK.

DRAWING ISSUE STATUS

**NOT FOR CONSTRUCTION**

**HALEY WARD**  
 ENGINEERING | ENVIRONMENTAL | SURVEYING  
 LAND PLANNING | INTERIOR DESIGN  
 10250 Village Parkway, Suite 201  
 Port Saint Lucie, Florida 34987  
 772.462.2455

PROJECT: VITAS 12-BED INPATIENT HOSPICE FACILITY (FKA VITAS - TRADITION)  
 PORT SAINT LUCIE, FLORIDA

TITLE: UTILITY DETAILS

DATE: 12/16/2025 SCALE: AS SHOWN

DRAWN BY: VER DESIGNED BY: JRH CHECKED BY: ---

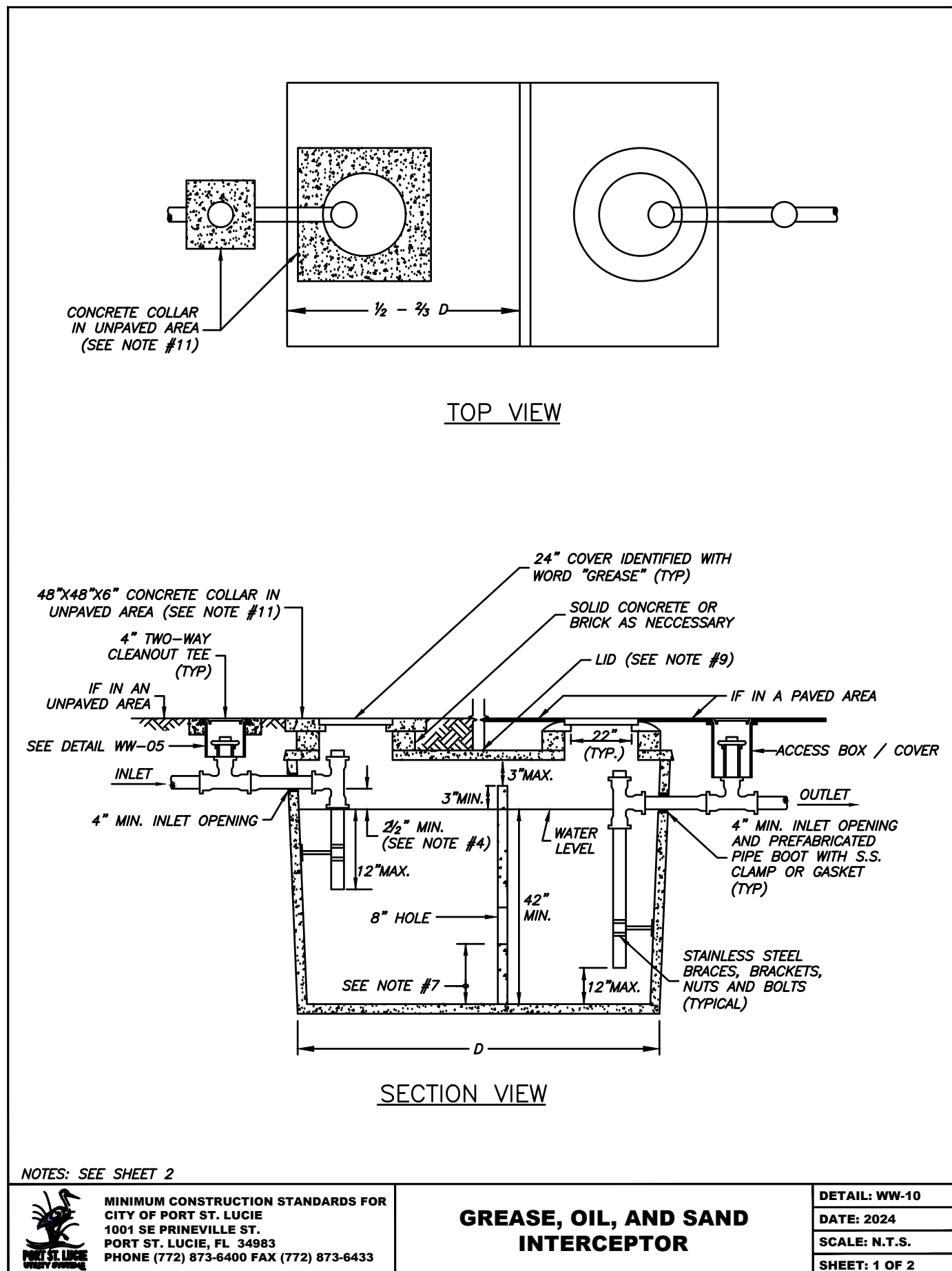
PROJECT No.: 20-288 ENG 12-16-25.DWG

DRAWING No.: 822270

J.R. HARRISON, P.E. (DATE) 10250 SVV VILLAGE PARKWAY - SUITE 201  
 PORT SAINT LUCIE, FL 34987  
 772-462-2455

**C-504**





MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE, 1001 SE PRINCEVILLE ST., PORT ST. LUCIE, FL 34983, PHONE (772) 873-6400 FAX (772) 873-6433

**GREASE, OIL, AND SAND INTERCEPTOR**

DETAIL: WW-10  
DATE: 2024  
SCALE: N.T.S.  
SHEET: 1 OF 2

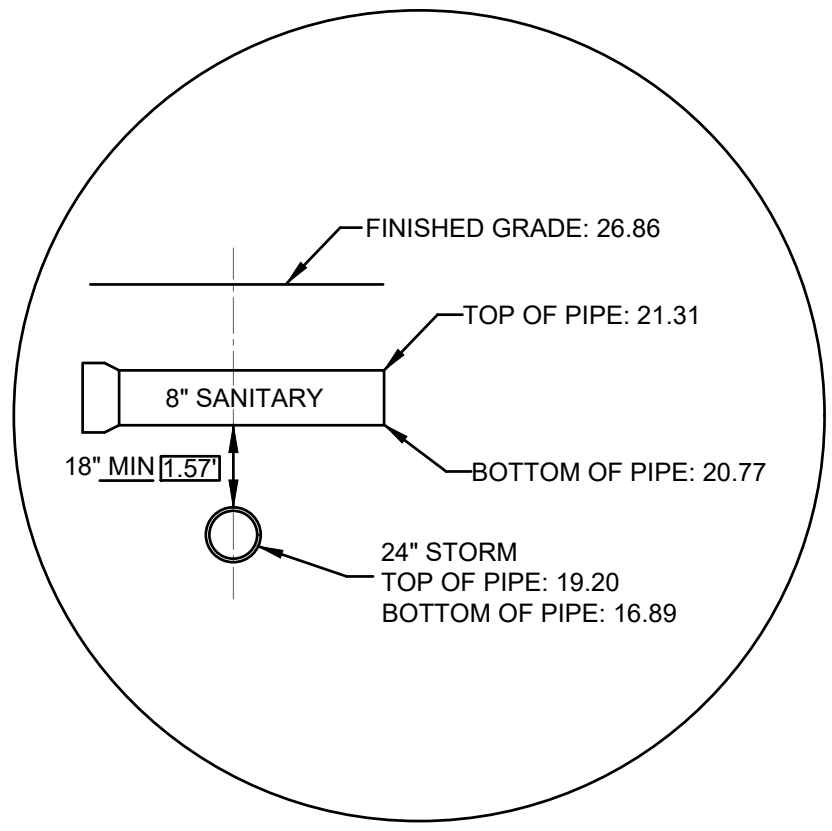
**STANDARD DETAIL NOTES FOR GREASE/SAND/OIL INTERCEPTORS**

- THESE NOTES ARE APPLICABLE TO THE STANDARD DETAIL SHEET WW-10A
- INTERCEPTORS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN FLORIDA, IN ACCORDANCE WITH PSLUSD GREASE/OIL/SAND INTERCEPTOR POLICY, APPLICABLE BUILDING CODES AND STATE REGULATIONS. AN APPROVAL MUST BE OBTAINED FROM PSLUSD PRIOR TO INSTALLATION. DEVIATIONS SHALL NOT BE MADE WITHOUT PRIOR APPROVAL.
  - THE INTERCEPTOR SHALL BE BUILT OF PRE-CAST CONCRETE WITH A MINIMUM OF 4" THICK WALLS AND WITH PRE-CAST HOLES FOR THE INLET/OUTLET PIPES. SHOP DRAWINGS SHALL BE SUBMITTED TO THE PSLUSD FOR APPROVAL IF THE TANK IS NOT ON THE APPROVED QUALIFIED PRODUCTS LIST (QPL).
  - ALL PIPING SHALL BE A MINIMUM OF 4" PVC.
  - THE INLET AND OUTLET TEES SHALL BE LOCATED NO MORE THAN 4" FROM END OF THE TANK AND SHALL BE IN ACCORDANCE WITH ASTM C923-98, LATEST REVISION. THE INLET INVERT LEVEL SHALL BE A MINIMUM OF 24" ABOVE THE WATER LEVEL. THE INLET TEE IS NOT REQUIRED FOR SAND/OIL INTERCEPTORS, HOWEVER, IF USED IT SHALL NOT EXTEND MORE THAN 12" BELOW THE WATER LEVEL. THE OUTLET TEE SHALL EXTEND TO WITHIN 8" OF THE TANK BOTTOM. THE TEES SHALL BE SECURED TO THE TANK WALL AS PER DETAIL SUBMITTED BY THE ENGINEER-OF-RECORD AND APPROVED PSLUSD.
  - THE LIQUID DEPTH SHALL BE AT LEAST 42".
  - INSPECTION PORTS (TWO-WAY CLEAN-OUTS) SHALL BE INSTALLED ON EACH END OF THE INTERCEPTOR, WHICH ARE EASILY ACCESSIBLE FOR INSPECTION/SAMPLING.
  - A BAFFLE SHALL BE INSTALLED 1/2 (ONE-HALF) TO 2/3 (TWO-THIRDS) 'D' FROM THE INLET SIDE. THE FLOW BETWEEN THE TWO COMPARTMENTS SHALL BE THROUGH AN 8" DIAMETER HOLE IN THE BAFFLE; THE HOLE SHALL BE LOCATED 12" FROM THE TANK BOTTOM FOR A GREASE INTERCEPTOR AND 16" TO 20" FOR A SAND/OIL INTERCEPTOR. A BAFFLE IS NOT REQUIRED IF MULTIPLE INTERCEPTORS ARE INSTALLED IN SERIES, HOWEVER, INSPECTION PORTS SHALL BE INSTALLED ON EACH END OF THE INTERCEPTORS.
  - THE MINIMUM EFFECTIVE CAPACITY OF THE TANK SHALL BE AS REQUIRED BY THE PSLUSD. INSTALLATION OF MULTIPLE TANKS SHALL BE IN SERIES. WHEN MULTIPLE TANKS ARE USED THERE SHALL BE A MINIMUM 4' SEPARATION BETWEEN TANKS WITH THE REQUIRED INSPECTION PORT INSTALLED IN THE CENTER.
  - THE LID SHALL BE AT LEAST 8" THICK. TRAFFIC LIDS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM C890-91, LATEST REVISION.
  - INTERCEPTOR SHALL BE PROVIDED WITH A MANHOLE OVER EACH COMPARTMENT FOR ACCESS. THE MANHOLES SHALL BE BROUGHT TO GRADE AND FITTED WITH COVERS AS SPECIFIED IN THE DETAIL.
  - A CONCRETE COLLAR SHALL BE PROVIDED AROUND THE COVERS AND SANITARY SEWER CLEANOUT BOX WHEN THE INTERCEPTOR IS LOCATED IN AN UNPAVED AREA. GROUND SHALL BE SLOPED AWAY FROM THE INTERCEPTOR TO PREVENT PONDING OF STORM WATER.
  - ALL JOINTS, INCLUDING MID-SEAMS, RISERS AND LIDS SHALL BE SEALED JOINTS AROUND THE RISER AND THE TANK SHALL BE SEALED AND MADE WATERTIGHT.
  - INSTALLATION OF THE INTERCEPTOR AND ITS COMPONENTS SHALL BE PERFORMED BY A LICENSED PLUMBER OR SEPTIC TANK CONTRACTOR REGISTERED WITH THE FLORIDA DEPARTMENT OF HEALTH.
  - INSPECTIONS ARE REQUIRED BY PSLUSD AS PER THE UTILITY STANDARDS. AN INITIAL INSPECTION IS REQUIRED WITH THE TANK ABOVE GROUND.

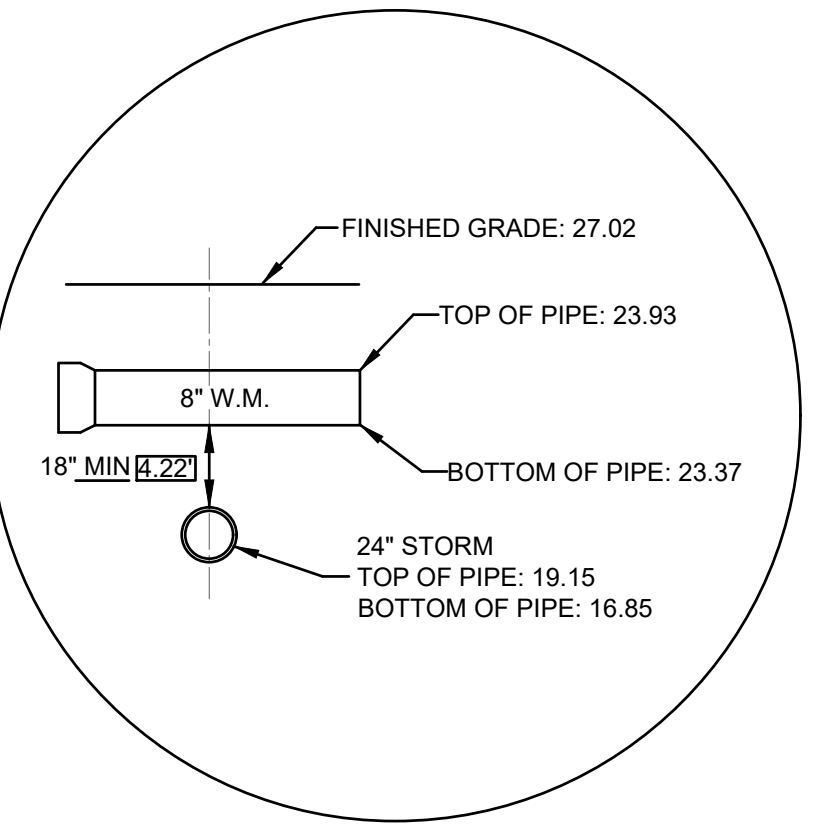
MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE, 1001 SE PRINCEVILLE ST., PORT ST. LUCIE, FL 34983, PHONE (772) 873-6400 FAX (772) 873-6433

**GREASE, OIL, AND SAND INTERCEPTOR**

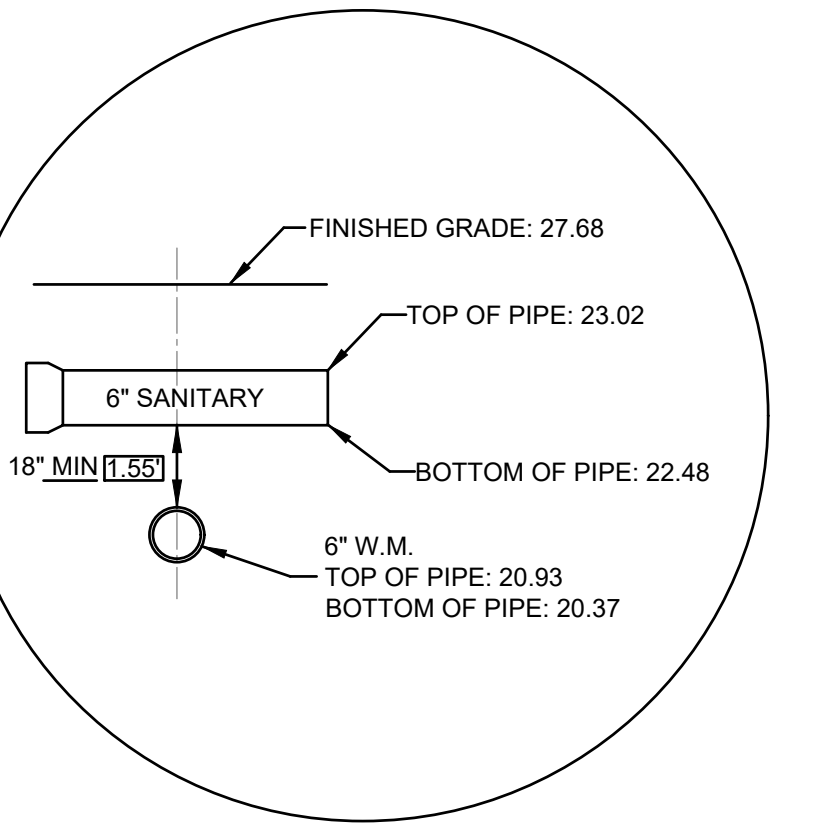
DETAIL: WW-10  
DATE: 2024  
SCALE: N.T.S.  
SHEET: 2 OF 2



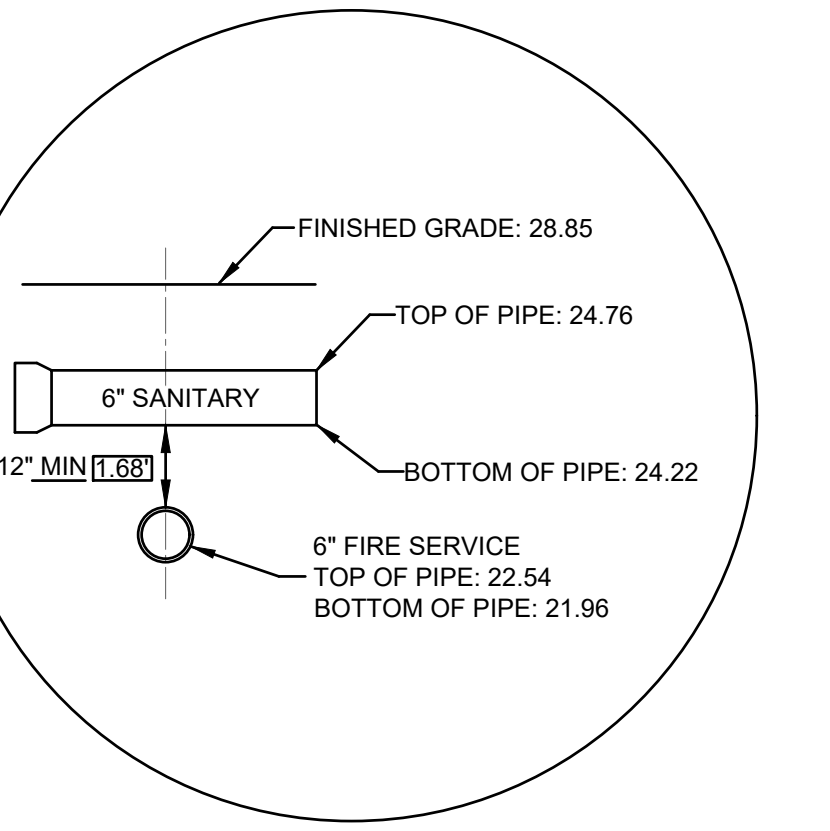
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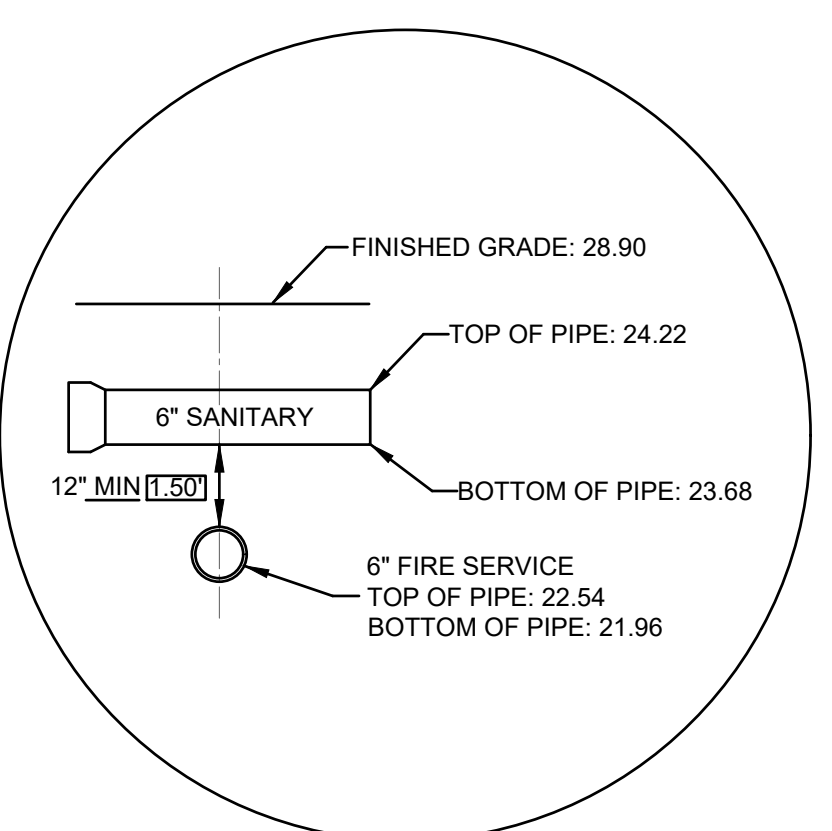
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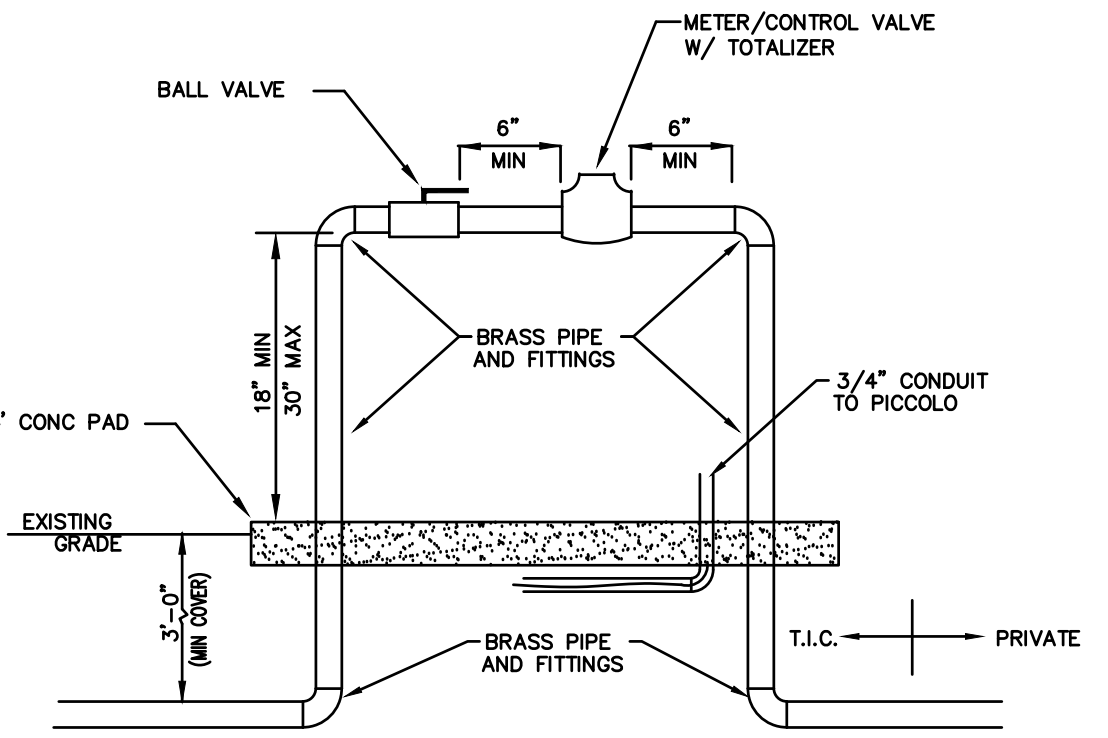
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CONFLICT NUMBER 4 (PRIVATE)



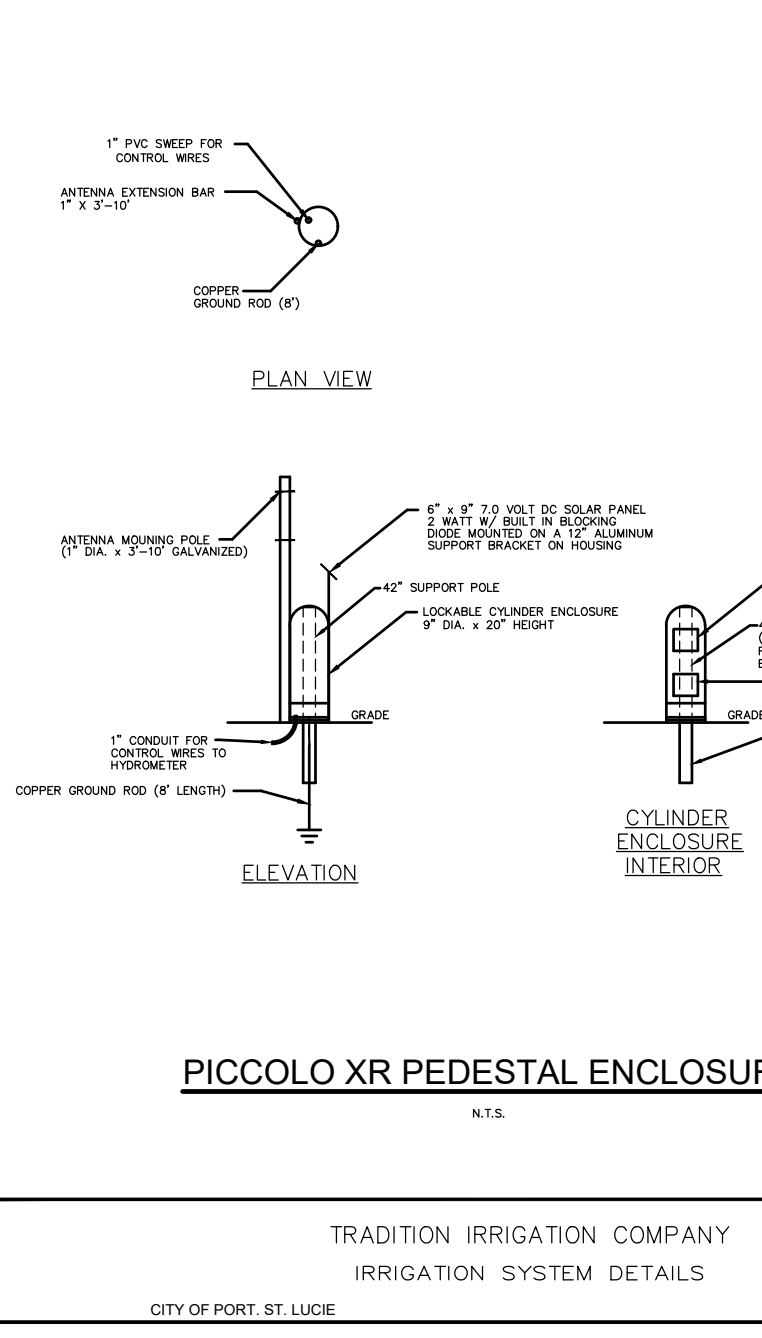
CONFLICT NUMBER 5 (PRIVATE)



**2" OR SMALLER IRRIGATION METER ASSEMBLY**

NOTES

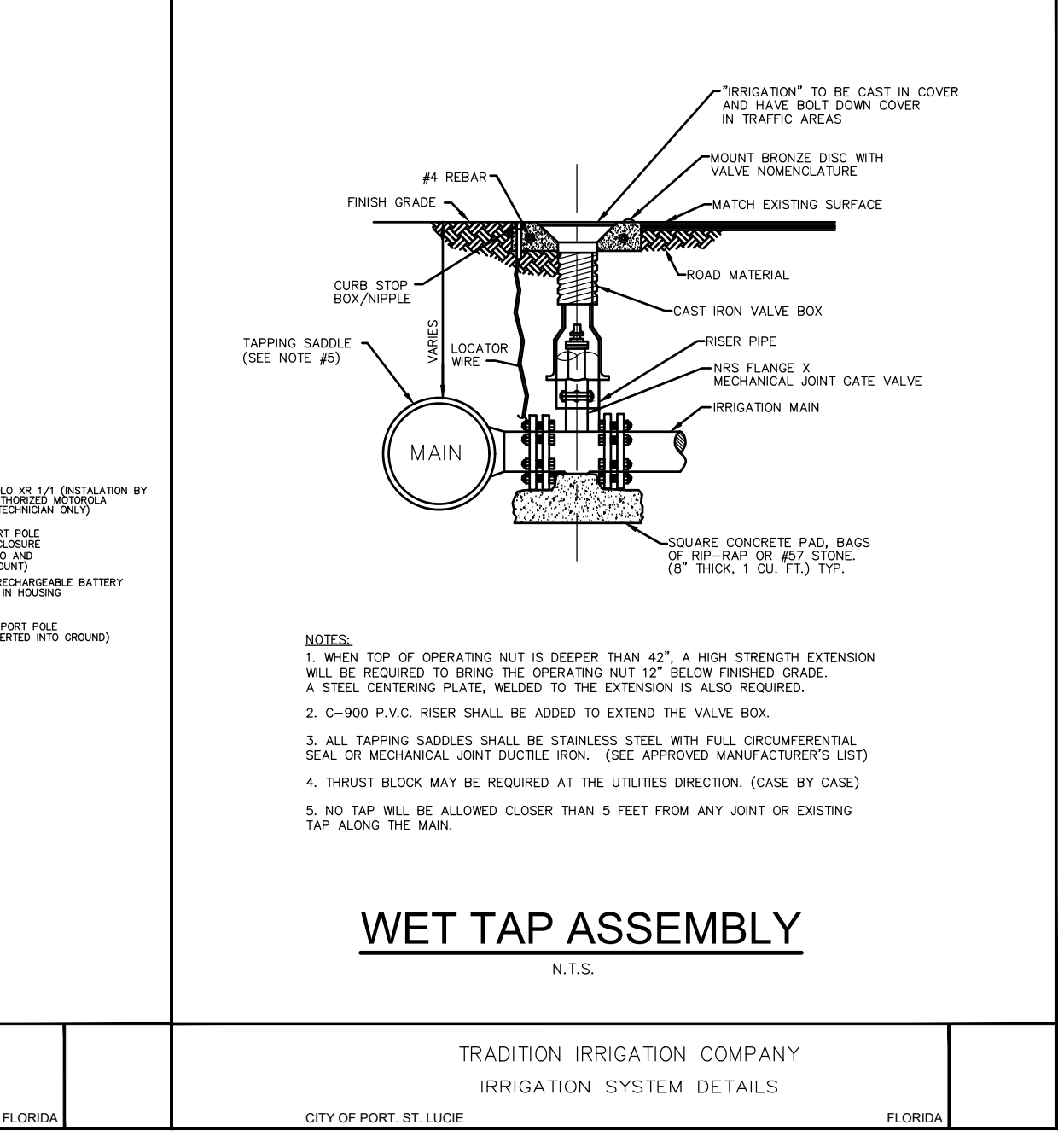
- ALL ABOVE GROUND PIPING SHALL BE PAINTED PANTONE PURPLE (522C).
- METER SHALL BE A HYDROMETER CONTAINING A WATER METER AND HYDRAULIC VALVE IN A SINGLE UNIT. METER TO BE CAST IRON AND DESIGNED FOR HIGH PRESSURE, AUTOMATIC AND REMOTE CONTROL IRRIGATION.
- HYDROMETER SHALL HAVE AN EXTERNAL SOLENOID VALVE CAPABLE OF BEING ACTIVATED BY A REMOTE COMPUTER OR CONTROL CENTER.
- HYDROMETER SHALL HAVE THE CAPABILITIES OF ELECTRONICALLY TRANSMITTING FLOW RATES AND VOLUME DATA TO THE REMOTE CONTROLLER BY MEANS OF A TRANSDUCER.
- HYDROMETER SHALL CONTAIN A DRY TYPE MAGNETIC DRIVE TRANSMISSION.
- HYDROMETERS SHALL BE EQUIPPED WITH A BACKFLOW PREVENTION FEATURE.
- ALL MATERIALS ARE TO BE PER T.I.C. APPROVED MANUFACTURERS' PRODUCT LIST.
- CONCRETE SHALL HAVE A REQUIRED MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. IN 28 DAYS.



**PICCOLO XR PEDESTAL ENCLOSURE**

N.T.S.

TRADITION IRRIGATION COMPANY  
IRRIGATION SYSTEM DETAILS  
CITY OF PORT ST. LUCIE, FLORIDA



**WET TAP ASSEMBLY**

N.T.S.

TRADITION IRRIGATION COMPANY  
IRRIGATION SYSTEM DETAILS  
CITY OF PORT ST. LUCIE, FLORIDA

REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				
<b>NOT FOR CONSTRUCTION</b>				
PROJECT: VITAS 12-BED INPATIENT HOSPICE FACILITY (FKA VITAS - TRADITION) PORT SAINT LUCIE, FLORIDA				
UTILITY DETAILS				

DATE	SCALE
12/16/2025	AS SHOWN
DRAWN BY: VER	DESIGNED BY: JRH
CHECKED BY: ---	
PROJECT No.:	20-288 ENG 12-16-25.DWG
DRAWING No.:	822770
DATE:	12/16/2025
BY:	J.R. HARRISON, P.E. (DATE)
REV:	822770
10250 SW VILLAGE PARKWAY - SUITE 201 PORT SAINT LUCIE, FL 34987 772-462-2455	
<b>C-505</b>	



PSLUSD FILE#5386 PLANNING & ZONING DEPT. SITE PLAN REVIEW #P21-003-A1

