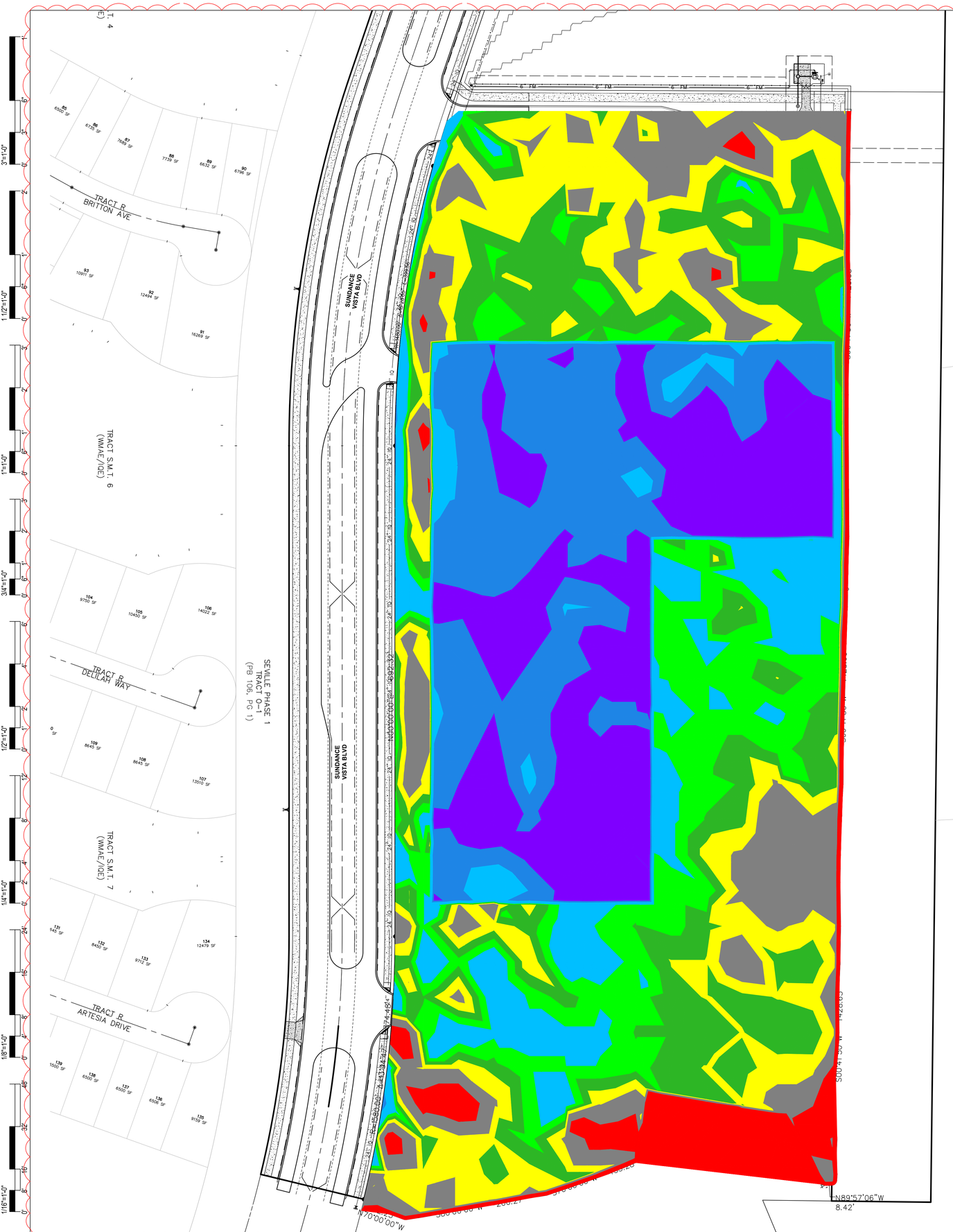


Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-1.581	1.442	
2	1.442	2.062	
3	2.062	2.316	
4	2.316	2.520	
5	2.520	2.733	
6	2.733	3.678	
7	3.678	4.200	
8	4.200	4.705	

GRAPHIC SCALE
60 0 30 60
(IN FEET)
1 inch = 60 ft.

Cut/Fill Report

Generated: 2024-12-04 11:38:58
By user: ksmith
Drawing: P:\Proj-2024\24-070 K-8 School North\South A\Eng\P:\Proj-2024\24-070 K-8 School North\South A\Eng\24-070 Earthwork Exhibit.dwg

Volume Summary

Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Earthwork Volume Comp	full	1.000	1.000	957446	160	101633	101473<FILL>

Totals

	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total	957446	160	101633	101473<FILL>

* Value adjusted by cut or fill factor other than 1.0

Legend:
- Graded Area
- Tie-in Line

NOTES:
1) ALL ELEVATIONS AND BENCHMARKS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988.

CODE REVIEW:

CERTIFICATE:

spiezle
SPIEZLE ARCHITECTURAL GROUP INC.
2001 9TH AVENUE
SUITE 308
VERO BEACH, FL 32960
PHONE: 772-794-2929

SIGNATURE:
ANTHONY DONOIO AR0012456
STEVEN G. SIEGEL AR99546
JOHN F. WRIGHT AR101301

SEAL:

CONSULTANTS:

STEFAN K. MATTHES, P.E. FL. REG. NO. 38723
CULPEPPER & TERPENING INC
2980 SOUTH 25th STREET
FORT PIERCE, FLORIDA 34981
PHONE: 772-464-3537 ♦ www.ctieng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4288

ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE
1	ADDENDUM #1	12/20/24

FOR BID: TBD

DRAWING TITLE:

MASS GRADING EXHIBIT

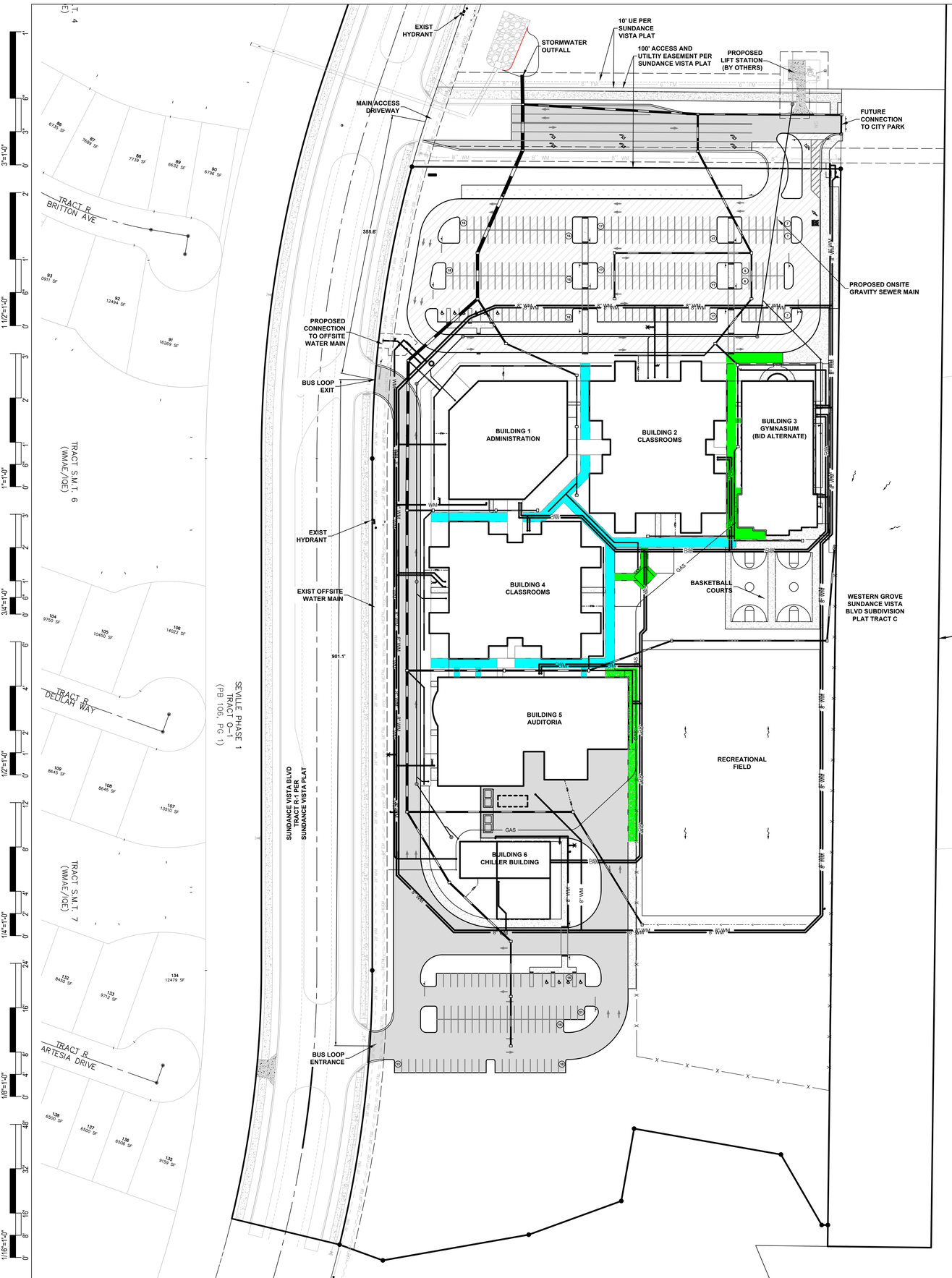
COMMISSION NUMBER:
24K054

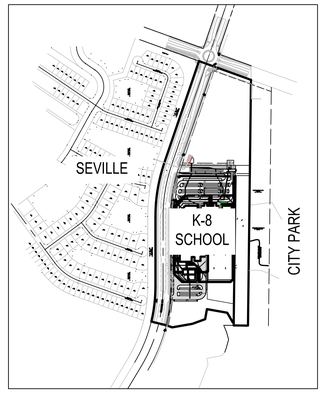
CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:
C001 1

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VICINITY MAP
1"=600'

DESIGN CRITERIA:	PERMITTED ELEV	PLAN ELEV
CONTROL ELEVATION	= 24.00	= 24.00
MIN. PAVEMENT	= 27.50	= 27.50
MIN. PERIMETER BERM	= 27.00	= 27.00
MIN. FINISHED FLOOR	= 28.20	= 29.26

LEGEND

- HEAVY DUTY ASPHALT PAVING
- LIGHT DUTY ASPHALT PAVING
- CANOPY/COVERED SIDEWALK
- GENERAL CANOPY BID ALTERNATE
- SPECIFIC PURPOSE CANOPY BID ALTERNATE
- PROJECT BOUNDARY
- PROPOSED SIGN
- x —— x PROPOSED SECURITY FENCING

GRAPHIC SCALE
60 0 30 60
(IN FEET)
1 inch = 60 ft.

SITE DATA TABLE

Owner:
School Board of St. Lucie County
9461 Brandywine Lane
Port St. Lucie, FL 34986
Phone: (772) 429-7547

Applicant:
School Board of St. Lucie County
9461 Brandywine Lane
Port St. Lucie, FL 34986
Phone: (772) 429-7547

Engineer / Surveyor:
Culpepper & Terpening, Inc.
2980 South 25th. Street
Fort Pierce, FL 34981
Phone: (772) 464-3537
Fax: (772) 464-9497
www.ct-eng.com

Owners Representatives:
Culpepper & Terpening, Inc.
2980 South 25th. Street
Fort Pierce, FL 34981
Phone: (772) 464-3537
Fax: (772) 464-9497
www.ct-eng.com

Landscape Architect:
Lucido & Associates
701 SE Ocean Blvd
Stuart, FL 34994
Phone: (772) 220-2100

Architect:
Spiezle Architectural Group Inc
2001 9th Ave, Suite 308
Vero Beach, F 32801
Phone: (772) 94-2929

1.) **Project Name:**
St Lucie Western Grove K-8 School

2.) **Location:**
Directly southeast of the intersection of Tradition Parkway and Sunrise Vista Blvd.

3.) **Project Description:**
A K thru 8th school with associated recreational facilities and infrastructure.

4.) **Sec/Town/Range:**
Section 07/ Range 37S/ Township 39E

5.) **Map ID:**
43/35N

6.) **Parcel ID Numbers:**
TBA

7.) **Gross Site Area:**
21.40 acres (proposed development tract)
932,184 sq feet (approximate)

8.) **Zoning:**
MPUD 21.40 ac

9.) **Land Use:**
NCD - New Community Development 21.40 ac

10.) **Building Data:**

Setbacks (feet)	Provided
Front	261.8
Rear	305.5
Side (west)	77.1
Side (east)	25.8

11.) **Development Schedule:**
Start 1st Qtr 2025
Complete 1st Qtr 2026

12.) **Flood Zone:**
The project site is located in Flood Zone X.
According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map Number 12111C0275J. (2/16/2012 - not printed)

13.) **Site Coverage:**

Impervious	SF	ACRE	%Basin
Buildings	151602	3.48	16.3%
Pavement	231187	5.31	24.8%
Sidewalk	62200	1.43	6.7%
Total Impervious	444989	10.22	47.7%
Pervious	**SF**	**ACRE**	**%Basin**
Open Space	487,195	11.18	52.3%
Total Pervious	487195	11.18	52.3%
Total	932,184	21.40	100.0%

14.) **Building Hgt.:**
Proposed Maximum Bldg. Hgt. 34.50 feet

15.) **Utility Service:**

Water Service	Port St. Lucie	Electric Service	FPL
Sewage Service	Port St. Lucie	Cable Service	Blue Stream
Re-Use Water	n/a		

16.) **Fire Services:**
Fire Hydrants are provided at the project property line. An series of on-site fire hydrants are to be provided in a looped system around the the proposed building as indicated on the project site plan.

17.) **Site Lighting:**
No lighting shall be directed off-site. Site lighting to be provided by a combination of wall mounted and poled fixtures. Parking lot (auto) lighting shall be at an average of 2.0 ft Candles. Parking lot shall be an average of 1.5 ft Candles. Site lichting to be LED fixtures.

18.) **Refuse Collection:**
Trash and solid waste is collected by approved City of Port St. Lucie Service provider.

19.) **Parking Provided:**

Standard Spaces	272	Spaces
Handicapped	12	Spaces
Total	284	Spaces

20.) **Site Drainage:**
The stormwater management system for the overall project area (known as Western Grove), is governed by the South Florida Water Management District Permit No. 56-03474-P (as may be amended). This project is an Institutional use, which absolves the site of any dry pretreatment provisions as may be required by the permit.
The stormwater system for this project provides a series of interconnected stormwater catch basis located throughout the project site that serve to collect the surface stormwater runoff. The runoff is then directed to the site outfall to the master stormwater system of Basin WG-07 of Western Grove as permitted in the approved conceptual permit. The stormwater infrastructure throughout Western Grove is constucted as permitted with SFWMD to provide for both water quality treatment and attenuation storage in this area (in leiu of having a separate storage area on the project site for the same purposes). Thus, this project is responsible to meet the land use and grading assumptions outlined in the conceptual permit in order to verify it's water quality and quantity regulatory obligations.

21.) **Traffic Statement**
Trip generation is based upon Institute of Transportation Engineers (ITE) Code 530 (11th edition) - Private School (K-8). Full buildout is considered.

	average rate	x1000 sf	trips
Weekday Daily Trips:	1.01/1000 SF	231	500.63
AM Peak	1.01/1000 SF	231	152.26
PM Peak	0.60/1000 SF	231	43.83

22.) **Hazardous Waste Statement:**
Any and all hazardous or toxic materials generated or used or stored on site shall be disposed of in accordance with all local, state, and federal regulations.

23.) **Wellfield Protection Ordinance:**
This project is not located in a public water supply wellfield protection zone.

24.) **General Notes:**

a.) 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).

LEGAL DESCRIPTION

TRACT A, WESTERN GROVE SUNDANCE VISTA BLVD, to be recorded in the Public Records of St. Lucie County.

Containing 21.40 acres, more or less.

Environmental Statement:
This site was included in the overall Western Grove DRI and environmental items were addressed as part of that development review process. The project site is currently vacant. According to the environmental summary assessment from April 2024, there are no environmentally sensitive lands or regulated wetlands on site. No wildlife, or evidence of wildlife, including that from the list of state and federally protected species, rare, threatened, endangered, or species of special concern was observed on the property. No portions of the property appear to be environmentally sensitive.

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

NOTES:
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CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
2001 9TH AVENUE
SUITE 308
VERO BEACH, FL 32960
PHONE: 772-794-2929

SIGNATURE:
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STEVEN G. SIEGEL AR95546
JOHN F. WRIGHT AR101341

SEAL:

CONSULTANTS:

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE

FOR BID: TBD

DRAWING TITLE:

SITE PLAN

COMMISSION NUMBER:

24K054

CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

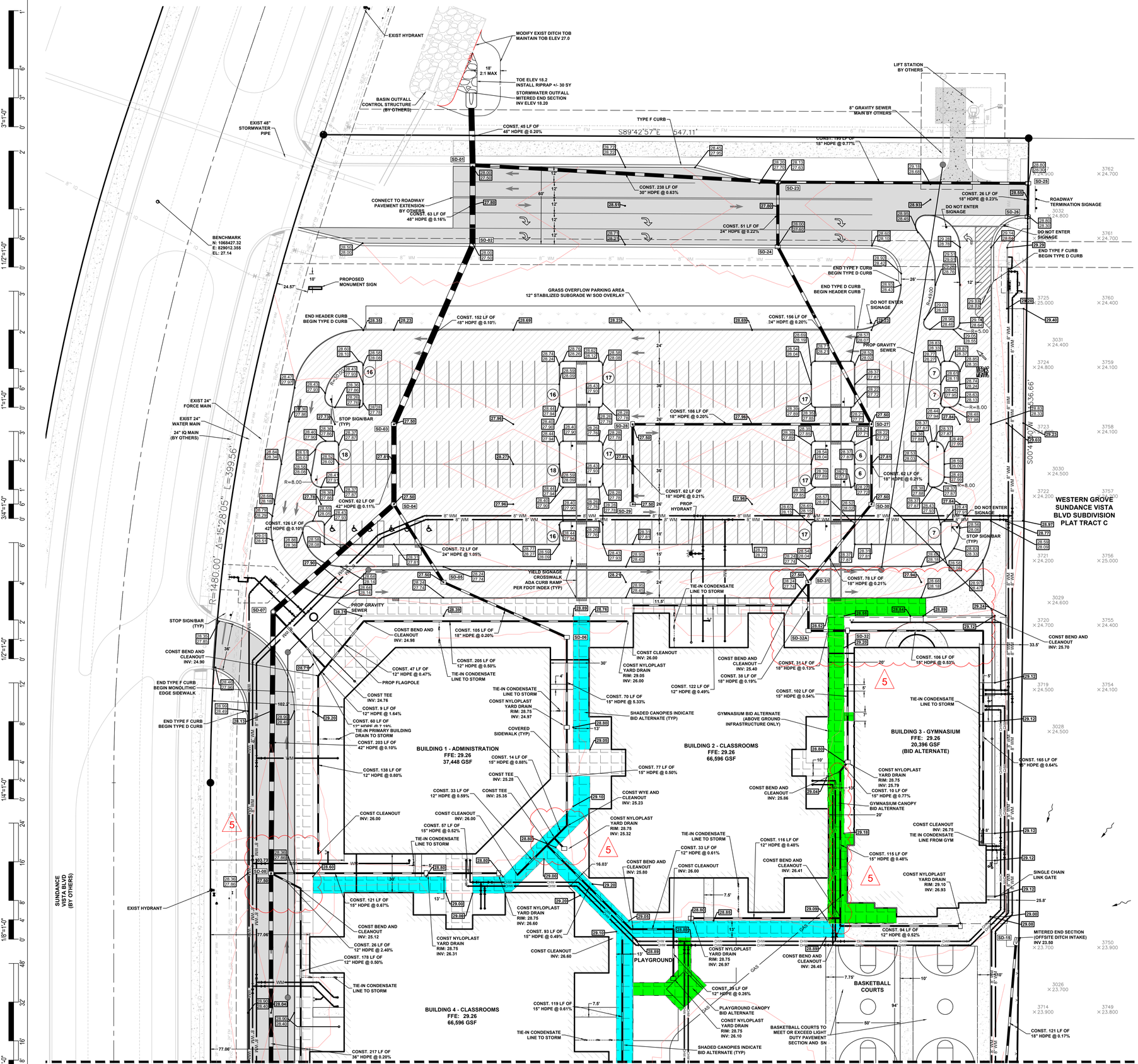
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DESIGN CRITERIA:	PERMITTED ELEV	PLAN ELEV
CONTROL ELEVATION	= 24.00	= 24.00
MIN. PAVEMENT	= 27.50	= 27.50
MIN. PERIMETER BERM	= 27.00	= 27.00
MIN. FINISHED FLOOR	= 28.20	= 29.26

GRAPHIC SCALE
30 0 15 30
(IN FEET)
1 inch = 30 ft.

LEGEND

- HEAVY DUTY ASPHALT PAVING
- LIGHT DUTY ASPHALT PAVING
- CANOPY/COVERED SIDEWALK
- GENERAL CANOPY BID ALTERNATE
- SPECIFIC PURPOSE CANOPY BID ALTERNATE
- PROJECT BOUNDARY
- PROPOSED SIGN
- CHAIN LINK FENCE
- 17.74 PROPOSED ELEVATION
- 18.75 / 18.25 PROPOSED TOP OF CURB ELEVATION / PROPOSED EDGE OF PAVEMENT ELEVATION

NOTES:
1. CHAIN LINK FENCE SHALL BE IN THE STANDARDS SET FORTH BY THE CHAIN LINK MANUFACTURERS INSTITUTE. ALL FENCING HAS TOP RAILS, COMMERCIAL GRADE WITH STEEL TIE WIRES.
2. THE ROOF DRAINAGE SHOWN REPRESENTS THE INFRASTRUCTURE NECESSARY TO CARRY RUNOFF FROM ALL DOWNSPOUT AND CANOPY CONNECTIONS. THE CONNECTIONS THEMSELVES SHALL BE MADE PER THE DETAIL ON SHEET C501. REFER TO THE ARCHITECTURAL PLANS FOR THE PRECISE LOCATION OF ALL ROOF DRAINAGE.
3. ALL ROOF DRAINAGE PIPING IS TO HAVE A POSITIVE PHYSICAL SLOPE OF 0.5% UNLESS SPECIFIED OTHERWISE. ALL HDPE PIPING LOCATED UNDERNEATH PAVEMENTS IS TO BE TRAFFIC RATED FOR HS-20 LOADING.

DRAINAGE STRUCTURE TABLE	
STRUCTURE NAME	STURCTURE DETAILS
SD-01 CONST TYPE C INLET	RIM = 27.50 N INV = 18.30 S INV = 18.30 E INV = 22.00
SD-02 CONST TYPE C INLET	RIM = 27.50 N INV = 18.40 SW INV = 18.40
SD-03 CONST TYPE C INLET	RIM = 27.50 S INV = 18.55 NE INV = 18.55
SD-04 CONST TYPE C INLET	RIM = 27.50 SE INV = 20.50 N INV = 18.62 SW INV = 18.62
SD-05 CONST TYPE C INLET	RIM = 27.50 SE INV = 21.25 NW INV = 21.25
SD-06 CONST TYPE C INLET	RIM = 28.93 NW INV = 21.46 S INV = 21.25
SD-07 CONST TYPE C INLET	RIM = 28.91 S INV = 18.75 NE INV = 18.75 SE INV = 20.50
SD-08 CONST TYPE C INLET	RIM = 27.50 S INV = 18.95 N INV = 18.95 SE INV = 24.50 E INV = 25.50
SD-23 CONST TYPE C INLET	RIM = 27.74 E INV = 23.50 S INV = 23.58 W INV = 23.50
SD-24 CONST TYPE C INLET	RIM = 26.65 N INV = 23.69 SE INV = 23.69
SD-25 CONST TYPE C INLET	RIM = 28.30 W INV = 24.99 S INV = 24.99
SD-26 CONST TYPE C INLET	RIM = 28.30 N INV = 25.05
SD-27 CONST TYPE C INLET	RIM = 27.50 W INV = 24.00 S INV = 24.21 NW INV = 24.00
SD-28 CONST TYPE C INLET	RIM = 27.50 S INV = 24.37 E INV = 24.37
SD-29 CONST TYPE C INLET	RIM = 27.50 N INV = 24.50
SD-30 CONST TYPE C INLET	RIM = 27.50 N INV = 24.34 SW INV = 24.34
SD-31 CONST TYPE C INLET	RIM = 27.50 S INV = 25.03 NE INV = 24.50 SW INV = 25.28
SD-32 CONST TYPE C INLET	RIM = 28.60 W INV = 25.14 S INV = 25.24 E INV = 25.14
SD-32A CONST TYPE C INLET	RIM = 28.42 E INV = 25.10 N INV = 25.10

NOTES:
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CODE REVIEW:

CERTIFICATE:

spiezle

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PHONE 772-464-3537 ● www.ctseng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

PERMIT SET 2-13-2025

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE
1	ADDENDUM #1	12/20/2024
2	ADDENDUM #2	1/6/25
3	ADDENDUM #3	1/20/25
4	ASI #2	5/5/25
5	ASI #7	6/13/25

FOR BID: TBD

DRAWING TITLE:

PAVING, GRADING, & DRAINAGE PLAN

COMMISSION NUMBER:
24K054

CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:
C200

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MATCHLINE SEE SHEET C200

SUNDANCE VISTA BLVD (BY OTHERS)

N00°00'00"E 692.32'

BUILDING 5 - AUDITORIA
FFE: 29.26
33,649 GSF

BUILDING 6 - CHILLER BUILDING
FFE: 29.26
6,019 GSF

RECREATIONAL FIELD

WESTERN GROVE SUNDANCE VISTA BLVD SUBDIVISION PLAT TRACT C

WESTERN GROVE SUNDANCE VISTA BLVD SUBDIVISION PLAT TRACT A

S00°41'50"W 1536.66'

CONST 14 LF OF 15" HDPE @ 0.75%
CONST BEND AND CLEANOUT INV: 25.87
CONST BEND AND CLEANOUT INV: 25.77
CONST 38 LF OF 18" HDPE @ 0.19%
CONST 264 LF OF 18" HDPE @ 0.16%
CONST 56 LF OF 18" HDPE @ 0.21%
CONST 138 LF OF 12" HDPE @ 0.50%
CONST BEND AND CLEANOUT INV: 26.06
TIE-IN CONDENSATE LINE TO STORM
CONST CLEANOUT INV: 26.00
CONST 104 LF OF 24" HDPE @ 0.13%
SHADED CANOPIES INDICATE BID ALTERNATE (TYP)
CONST 146 LF OF 24" HDPE @ 0.08%
CONST 192 LF OF 36" HDPE @ 0.20%
CONST CLEANOUT INV: 26.55
CONST 1400 LF OF 6' HIGH ALUMINUM CHAIN LINK FENCE
SINGLE ALUMINUM GATE
APPROXIMATE ENVELOPE FOR UNDERGROUND STORAGE TANK (SEE PLUMBING PLANS SHEET P5.3 FOR DETAILS)
CONST 48 LF OF 6" HDPE @ 1.68%
4" REINFORCED CONCRETE (DEFER TO MEP INTERCEPTOR DETAILS)
PROPOSED DUMPSTERS
10' SCREEN WALL
CONST 41 LF OF 12" HDPE @ 0.40%
CONST BEND AND CLEANOUT INV: 25.20
CONST 225 LF OF 24" HDPE @ 0.10%
ESE DROP OFF CANOPY BID ALTERNATE
PROP GRAVITY SEWER
CONST 112 LF OF 24" HDPE @ 0.20%
COOLING TOWER YARD BASE TO BE 56 STONE W/ FILTER FABRIC
PROP IRRIGATION WELL REFER TO IRRIGATION DRAWINGS
ICE STORAGE YARD
TIE-IN PRIMARY BUILDING DRAIN TO STORM
CONST 179 LF OF 18" HDPE @ 0.20%
CONST 116 LF OF 24" HDPE @ 0.19%
TYPE D CURB (TYP)
SWALE CL
YIELD SIGNAGE CROSSWALK
36' ADA CURB RAMP PER FDOT INDEX (TYP)
END TYPE D CURB BEGIN MONOLITHIC EDGE SIDEWALK
CONST 75 LF OF 18" HDPE @ 0.21%
STOP SIGN/BAR (TYP)
CONST DOUBLE GATE FOR MAINTENANCE
CONST 15' OF HEADER CURB
CONST 67 LF OF 18" HDPE @ 0.21%
CONST 1480 LF OF 6' HIGH ALUMINUM CHAIN LINK FENCE
EXIST 24" FORCE MAIN
EXIST 24" WATER MAIN
24" IQ MAIN (BY OTHERS)

R=1580.00' Δ=13°34'47" L=374.48' CB=N06°47'24"E CD=373.60'
N80°00'00"W 201.68'
S10°00'00"W 99.36'
N30°00'00"W 110.04'
133.28'

DESIGN CRITERIA:	PERMITTED ELEV	PLAN ELEV
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DRAINAGE STRUCTURE TABLE	
STRUCTURE NAME	STURCTURE DETAILS
SD-10 CONST TYPE C INLET	RIM = 27.50 S INV = 19.38 N INV = 19.38 E INV = 22.65
SD-11 CONST TYPE C INLET	RIM = 28.75 W INV = 22.78 E INV = 22.78
SD-12 CONST TYPE C INLET	RIM = 28.75 W INV = 22.89 N INV = 22.89
SD-13 CONST TYPE C INLET	RIM = 26.33 W INV = 23.08 E INV = 23.08 S INV = 25.86
SD-13A CONST TYPE C INLET	RIM = 29.19 S INV = 22.96 NE INV = 25.77 E INV = 22.96
SD-14 CONST TYPE C INLET	RIM = 26.27 W INV = 23.50 N INV = 23.50
SD-16 CONST TYPE C INLET	RIM = 27.50 SE INV = 23.56 N INV = 19.77 NE INV = 25.00 E INV = 23.22
SD-17 CONST TYPE C INLET	RIM = 27.50 W INV = 23.44 SE INV = 23.44
SD-17A CONST TYPE C INLET	RIM = 28.65 SE INV = 23.78 NW INV = 23.78
SD-18 CONST TYPE C INLET	RIM = 27.50 S INV = 24.20 NW INV = 24.00
SD-19 CONST TYPE C INLET	RIM = 26.33 NW INV = 23.80
SD-21 CONST TYPE C INLET	RIM = 27.50 S INV = 24.36 N INV = 24.36
SD-22 CONST TYPE C INLET	RIM = 27.50 N INV = 24.50

NOTES:
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PHONE: 772-464-3537 ♦ www.ctseng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4288

PERMIT SET 2-13-2025

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

△	REVISION NAME	DATE
1	ADDENDUM #1	12/20/24
3	ADDENDUM #3	1/20/25
4	ASI #2	5/5/25
5	ASI #7	6/13/25

FOR BID: TBD

DRAWING TITLE:

PAVING, GRADING, & DRAINAGE PLAN

COMMISSION NUMBER:
24K054

CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:
C201

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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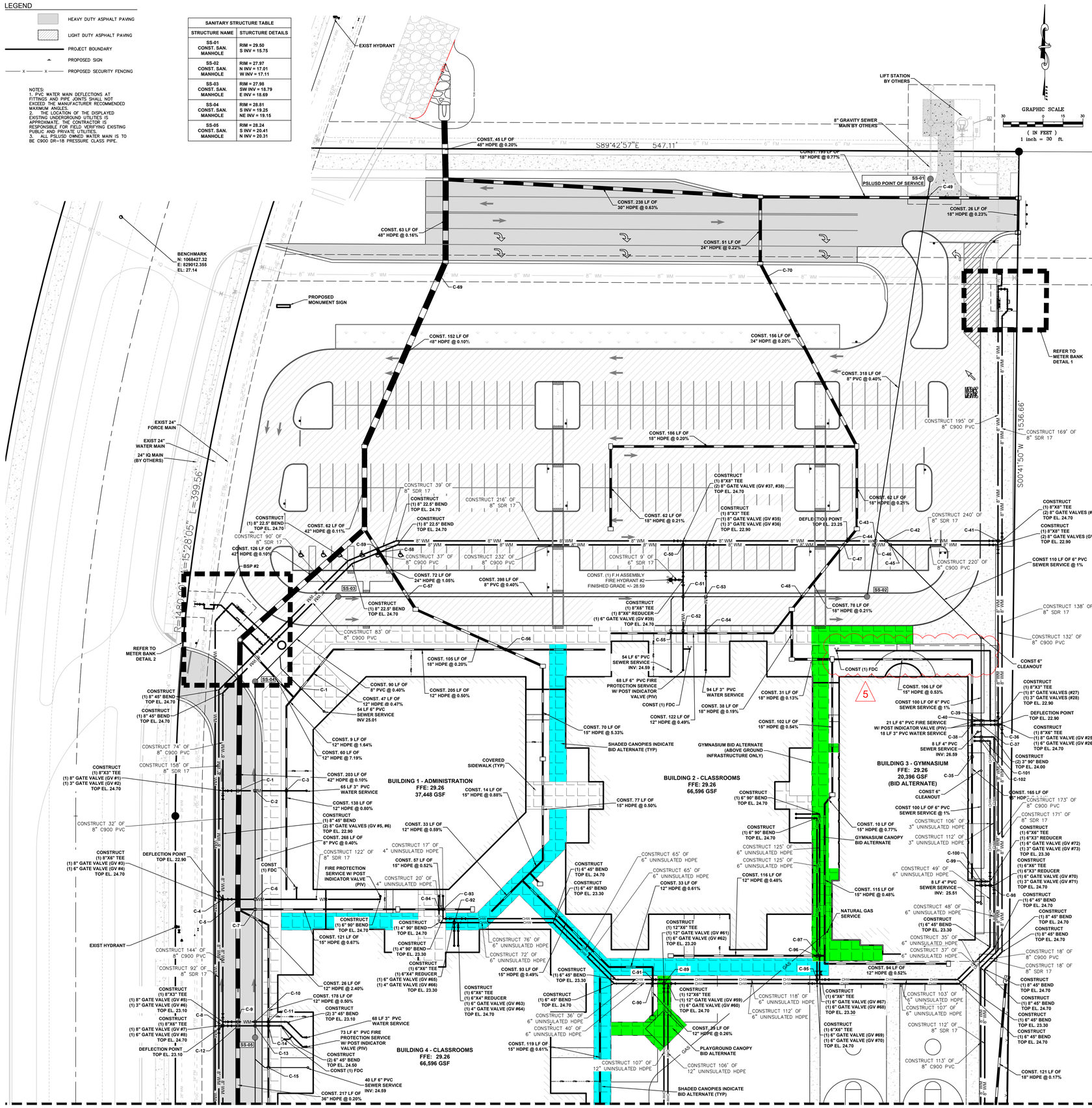
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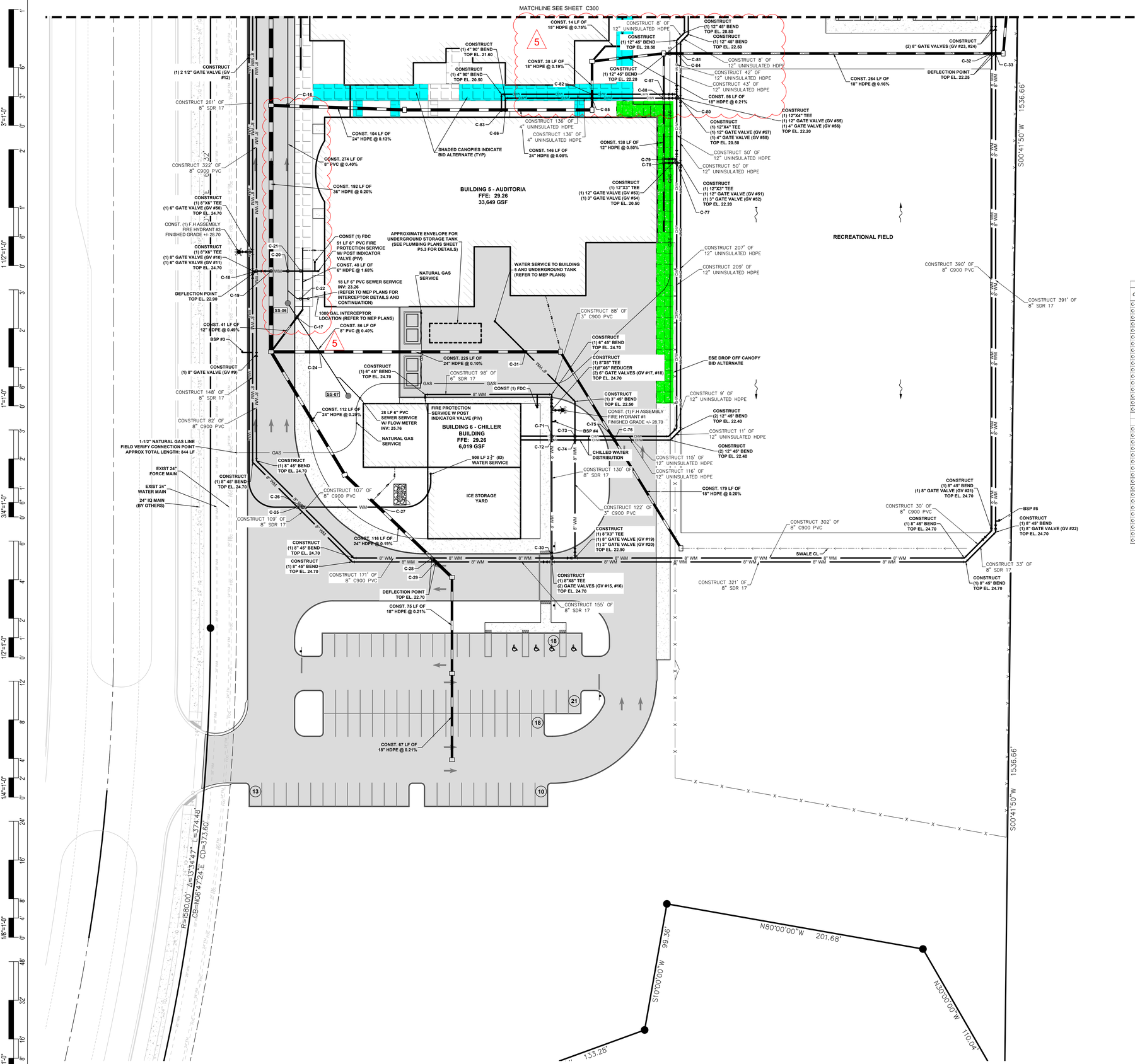
LEGEND

- HEAVY DUTY ASPHALT PAVING
- LIGHT DUTY ASPHALT PAVING
- PROJECT BOUNDARY
- PROPOSED SIGN
- x x PROPOSED SECURITY FENCING

NOTES:
1. PVC WATER MAIN DEFLECTIONS AT FITTINGS AND PIPE JOINTS SHALL NOT EXCEED THE MANUFACTURER RECOMMENDED MAXIMUM ANGLES.
2. THE LOCATION OF THE DISPLAYED EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING PUBLIC AND PRIVATE UTILITIES.
3. ALL PSLUSD OWNED WATER MAIN IS TO BE C900 DR=18 PRESSURE CLASS PIPE.

SANITARY STRUCTURE TABLE	
STRUCTURE NAME	STURCTURE DETAILS
SS-01 CONST. SAN. MANHOLE	RIM = 29.50 S INV = 15.75
SS-02 CONST. SAN. MANHOLE	RIM = 27.97 N INV = 17.01 W INV = 17.11
SS-03 CONST. SAN. MANHOLE	RIM = 27.98 SW INV = 18.79 E INV = 18.69
SS-04 CONST. SAN. MANHOLE	RIM = 28.81 S INV = 19.25 NE INV = 19.15
SS-05 CONST. SAN. MANHOLE	RIM = 28.24 S INV = 20.41 N INV = 20.31


EXIST HYDRANT
LIFT STATION BY OTHERS
8" GRAVITY SEWER MAIN BY OTHERS
GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.
CONST. 45 LF OF 48" HDPE @ 0.20%
S89°42'57"E 547.11'
CONST. 195 LF OF 18" HDPE @ 0.77%
SS-01 PSLUSD POINT OF SERVICE
C-49
CONST. 238 LF OF 30" HDPE @ 0.63%
CONST. 26 LF OF 18" HDPE @ 0.23%
CONST. 63 LF OF 48" HDPE @ 0.16%
CONST. 51 LF OF 24" HDPE @ 0.22%
C-70
C-69
BENCHMARK N: 1068427.32 E: 829012.355 EL: 27.14
PROPOSED MONUMENT SIGN
CONST. 152 LF OF 48" HDPE @ 0.10%
CONST. 156 LF OF 24" HDPE @ 0.20%
REFER TO METER BANK DETAIL 1
CONST. 318 LF OF 8" PVC @ 0.40%
CONST 195' OF 8" C900 PVC
CONST. 1536.66'
S00°41'50"W
CONST 169' OF 8" SDR 17
EXIST 24" FORCE MAIN
EXIST 24" WATER MAIN
24" IQ MAIN (BY OTHERS)
CONST. 186 LF OF 18" HDPE @ 0.20%
CONSTRUCT (1) 8" X3" TEE (2) 8" GATE VALVES (GV #37, #38) TOP EL. 24.70
CONSTRUCT 39' OF 8" SDR 17
CONSTRUCT 216' OF 8" SDR 17
CONSTRUCT (1) 8" 22.5° BEND TOP EL. 24.70
CONSTRUCT (1) 8" 22.5° BEND TOP EL. 24.70
CONST. 62 LF OF 42" HDPE @ 0.11%
CONSTRUCT 90' OF 8" SDR 17
CONST. 126 LF OF 42" HDPE @ 0.10%
CONSTRUCT (1) 8" X3" TEE (1) 8" GATE VALVE (GV #35) (1) 3" GATE VALVE (GV #36) TOP EL. 22.90
DEFLECTION POINT TOP EL. 23.25
CONST. 62 LF OF 18" HDPE @ 0.21%
CONSTRUCT 240' OF 8" SDR 17
CONSTRUCT (1) 8" X6" TEE (2) 8" GATE VALVES (GV #29, #30) TOP EL. 24.70
CONSTRUCT (1) 8" X8" TEE (2) 8" GATE VALVES (GV #31, #32) TOP EL. 22.90
CONSTRUCT 37' OF 8" C900 PVC
CONSTRUCT 232' OF 8" C900 PVC
CONSTRUCT 9' OF 6" SDR 17
CONSTRUCT 220' OF 8" C900 PVC
CONST. 72 LF OF 24" HDPE @ 1.05%
CONST. 398 LF OF 8" PVC @ 0.40%
CONST. (1) F.H ASSEMBLY FIRE HYDRANT #2 FINISHED GRADE +/- 28.59
CONST 110 LF OF 6" PVC SEWER SERVICE @ 1%
CONSTRUCT (1) 8" X6" REDUCER (1) 6" GATE VALVE (GV #39) TOP EL. 24.70
CONST. 78 LF OF 18" HDPE @ 0.21%
CONSTRUCT 138' OF 8" SDR 17
CONSTRUCT 83' OF 8" C900 PVC
CONSTRUCT 132' OF 8" C900 PVC
REFER TO METER BANK DETAIL 2
CONST. 105 LF OF 18" HDPE @ 0.20%
54 LF 6" PVC SEWER SERVICE INV: 24.59
CONST. (1) FDC
CONST. 106 LF OF 15" HDPE @ 0.53%
CONST 6" CLEANOUT
CONSTRUCT (1) 8"X3" TEE (1) 8" GATE VALVES (#27) (1) 3" GATE VALVES (#28) TOP EL. 22.90
CONST. 90 LF OF 8" PVC @ 0.40%
CONST. 205 LF OF 12" HDPE @ 0.50%
CONST. 47 LF OF 12" HDPE @ 0.47%
54 LF 6" PVC SEWER SERVICE INV 25.01
68 LF 6" PVC FIRE PROTECTION SERVICE W/ POST INDICATOR VALVE (PIV)
94 LF 3" PVC WATER SERVICE
CONST. 31 LF OF 18" HDPE @ 0.13%
CONST. 38 LF OF 18" HDPE @ 0.19%
CONST. (1) FDC
CONST. 122 LF OF 12" HDPE @ 0.49%
CONST. 102 LF OF 15" HDPE @ 0.54%
CONST 100 LF OF 6" PVC SEWER SERVICE @ 1%
21 LF 6" PVC FIRE SERVICE W/ POST INDICATOR VALVE (PIV) 18 LF 3" PVC WATER SERVICE
DEFLECTION POINT TOP EL. 22.90
CONSTRUCT (1) 8"X6" TEE (1) 6" GATE VALVE (GV #26) TOP EL. 24.70
CONSTRUCT (2) 3" 90° BEND TOP EL. 24.00
C-101
C-102
CONST. 9 LF OF 12" HDPE @ 1.64%
CONST. 60 LF OF 12" HDPE @ 7.19%
CONST. 70 LF OF 15" HDPE @ 5.33%
SHADED CANOPIES INDICATE BID ALTERNATE (TYP)
GYMNASIUM BID ALTERNATE (ABOVE GROUND INFRASTRUCTURE ONLY)
BUILDING 3 - GYMNASIUM FFE: 29.26 20,396 GSF (BID ALTERNATE)
8 LF 4" PVC SEWER SERVICE INV: 26.59
CONST. 165 LF OF 6" HDPE
CONSTRUCT 173' OF 8" C900 PVC
CONSTRUCT 171' OF 8" SDR 17
CONSTRUCT (1) 8" X6" TEE (1) 6"X3" REDUCER (1) 6" GATE VALVE (GV #72) (1) 3" GATE VALVE (GV #73) TOP EL. 23.30
CONSTRUCT (1) 6"X6" TEE (1) 6"X3" REDUCER (1) 6" GATE VALVE (GV #70) (1) 3" GATE VALVE (GV #71) TOP EL. 24.70
CONSTRUCT (1) 8" 45° BEND TOP EL. 24.70
CONSTRUCT (1) 8" 45° BEND TOP EL. 24.70
CONSTRUCT (1) 8" 45° BEND TOP EL. 24.70
CONSTRUCT (1) 8" 45° BEND TOP EL. 24.70
CONSTRUCT 18' OF 8" C900 PVC
CONSTRUCT 18' OF 8" SDR 17
CONSTRUCT (1) 8" 45° BEND TOP EL. 24.70
CONSTRUCT (1) 6" 45° BEND TOP EL. 24.70
CONSTRUCT (1) 8" X3" TEE (1) 8" GATE VALVE (GV #1) (1) 3" GATE VALVE (GV #2) TOP EL. 24.70
BUILDING 1 - ADMINISTRATION FFE: 29.26 37,448 GSF
CONST. 303 LF OF 42" HDPE @ 0.10%
65 LF 3" PVC WATER SERVICE
CONST. 14 LF OF 15" HDPE @ 0.88%
BUILDING 2 - CLASSROOMS FFE: 29.26 66,596 GSF
CONST. 77 LF OF 15" HDPE @ 0.50%
CONSTRUCT (1) 6" 90° BEND TOP EL. 24.70
CONST. 138 LF OF 12" HDPE @ 0.80%
CONSTRUCT (1) 8" 45° BEND (2) 8" GATE VALVES (GV #5, #6) TOP EL. 22.90
CONST. 33 LF OF 12" HDPE @ 0.59%
CONST. 268 LF OF 8" PVC @ 0.40%
CONSTRUCT 74' OF 8" C900 PVC
CONSTRUCT 158' OF 8" SDR 17
CONSTRUCT 32' OF 8" C900 PVC
CONSTRUCT 122' OF 8" SDR 17
CONSTRUCT 17' OF 4" UNINSULATED HDPE
CONSTRUCT 20' OF 4" UNINSULATED HDPE
CONST. 57 LF OF 15" HDPE @ 0.52%
FIRE PROTECTION SERVICE W/ POST INDICATOR VALVE (PIV)
CONST (1) FDC
CONSTRUCT (1) 8"X6" TEE (1) 6" GATE VALVE (GV #3) (1) 6" GATE VALVE (GV #4) TOP EL. 24.70
DEFLECTION POINT TOP EL. 22.90
CONSTRUCT (1) 6" 45° BEND TOP EL. 24.70
CONSTRUCT (1) 6" 45° BEND TOP EL. 23.30
CONST. 116 LF OF 12" HDPE @ 0.48%
CONSTRUCT 65' OF 6" UNINSULATED HDPE
CONSTRUCT 65' OF 6" UNINSULATED HDPE
CONST. 33 LF OF 12" HDPE @ 0.61%
CONSTRUCT 125' OF 6" UNINSULATED HDPE
CONSTRUCT 125' OF 6" UNINSULATED HDPE
CONST. 115 LF OF 15" HDPE @ 0.48%
CONSTRUCT 106' OF 3" UNINSULATED HDPE
CONSTRUCT 112' OF 3" UNINSULATED HDPE
GYMNASIUM CANOPY BID ALTERNATE
CONST. 10 LF OF 15" HDPE @ 0.77%
CONSTRUCT (1) 6" 90° BEND TOP EL. 24.70
CONSTRUCT (1) 6" 45° BEND TOP EL. 23.30
CONSTRUCT 49' OF 6" UNINSULATED HDPE
CONSTRUCT 48' OF 6" UNINSULATED HDPE
CONSTRUCT 35' OF 6" UNINSULATED HDPE
CONSTRUCT 37' OF 6" UNINSULATED HDPE
NATURAL GAS SERVICE
CONST. 94 LF OF 12" HDPE @ 0.52%
CONST. 121 LF OF 18" HDPE @ 0.17%
CONSTRUCT 44' OF 8" C900 PVC
CONSTRUCT 47' OF 8" SDR 17
CONSTRUCT 54' OF 8" SDR 17
908 LF 2 1/2" (ID) WATER SERVICE
CONSTRUCT (1) 8"X8" TEE (2) 8" GATE VALVES (GV #40, #41) TOP EL. 23.80
CONSTRUCT (1) 8"X8" TEE (2) 8" GATE VALVES (GV #42, #43) TOP EL. 25.10
CONSTRUCT (1) 8" 22.5° BEND TOP EL. 24.70
CONSTRUCT 90' OF 8" SDR 17
CONST. 126 LF OF 42" HDPE @ 0.10%
BSP #2
CONSTRUCT (1) 8" 22.5° BEND TOP EL. 24.70
CONSTRUCT 83' OF 8" C900 PVC
CONSTRUCT 74' OF 8" C900 PVC
CONSTRUCT 158' OF 8" SDR 17
CONSTRUCT (1) 8"X3" TEE (1) 8" GATE VALVE (GV #9) (1) 3" GATE VALVE (GV #8) TOP EL. 23.10
CONSTRUCT (1) 8"X6" TEE (1) 8" GATE VALVE (GV #7) (1) 6" GATE VALVE (GV #6) TOP EL. 24.70
DEFLECTION POINT TOP EL. 23.10
CONST. 26 LF OF 12" HDPE @ 2.40%
CONST. 178 LF OF 12" HDPE @ 0.50%
CONSTRUCT (2) 3" 45° BEND TOP EL. 23.10
68 LF 3" PVC WATER SERVICE
73 LF 6" PVC FIRE PROTECTION SERVICE W/ POST INDICATOR VALVE (PIV)
CONSTRUCT (2) 6" 45° BEND TOP EL. 24.50
CONST (1) FDC
40 LF 6" PVC SEWER SERVICE INV: 24.59
CONST. 217 LF OF 36" HDPE @ 0.20%
BUILDING 4 - CLASSROOMS FFE: 29.26 66,596 GSF
CONST. 119 LF OF 15" HDPE @ 0.61%
CONSTRUCT 107' OF 12" UNINSULATED HDPE
CONSTRUCT 106' OF 12" UNINSULATED HDPE
SHADED CANOPIES INDICATE BID ALTERNATE (TYP)
CONSTRUCT (1) 6"X6" TEE (1) 6" GATE VALVE (GV #67) (1) 6" GATE VALVE (GV #68) TOP EL. 24.70
CONSTRUCT 103' OF 6" UNINSULATED HDPE
CONSTRUCT 107' OF 6" UNINSULATED HDPE
CONSTRUCT 112' OF 6" UNINSULATED HDPE
CONSTRUCT 112' OF 8" SDR 17
CONSTRUCT 113' OF 8" C900 PVC
CONSTRUCT (1) 6"X6" TEE (1) 6" GATE VALVE (GV #69) (1) 6" GATE VALVE (GV #70) TOP EL. 24.70
CONSTRUCT (1) 8"X6" TEE (1) 6" GATE VALVE (GV #61) (1) 6" GATE VALVE (GV #62) TOP EL. 23.30
CONSTRUCT (1) 6"X6" TEE (1) 6"X4" REDUCER (1) 6" GATE VALVE (GV #63) (1) 4" GATE VALVE (GV #64) TOP EL. 24.70
CONSTRUCT (1) 6"X6" TEE (1) 6"X4" REDUCER (1) 6" GATE VALVE (GV #65) (1) 4" GATE VALVE (GV #66) TOP EL. 23.30
CONSTRUCT (1) 6" 45° BEND TOP EL. 24.70
CONSTRUCT (1) 6" 45° BEND TOP EL. 23.30
CONSTRUCT (1) 12"X6" TEE (1) 12" GATE VALVE (GV #59) (1) 6" GATE VALVE (GV #60) TOP EL. 24.70
CONST. 25 LF OF 12" HDPE @ 0.26%
PLAYGROUND CANOPY BID ALTERNATE
CONSTRUCT 118' OF 6" UNINSULATED HDPE
CONSTRUCT 76' OF 6" UNINSULATED HDPE
CONSTRUCT 72' OF 6" UNINSULATED HDPE
CONSTRUCT 36' OF 6" UNINSULATED HDPE
CONSTRUCT 40' OF 6" UNINSULATED HDPE
CONST. 93 LF OF 15" HDPE @ 0.49%
CONST. 121 LF OF 15" HDPE @ 0.67%
CONSTRUCT (1) 4" 90° BEND TOP EL. 24.70
CONSTRUCT (1) 4" 90° BEND TOP EL. 23.30
CONSTRUCT (1) 6"X6" TEE (1) 6" GATE VALVE (GV #65) (1) 4" GATE VALVE (GV #66) TOP EL. 23.30
EXIST HYDRANT
CONSTRUCT 144' OF 8" C900 PVC
CONSTRUCT 92' OF 8" SDR 17
CONSTRUCT (1) 8"X3" TEE (1) 8" GATE VALVE (GV #9) (1) 3" GATE VALVE (GV #8) TOP EL. 23.10
CONSTRUCT (1) 8"X6" TEE (1) 8" GATE VALVE (GV #7) (1) 6" GATE VALVE (GV #6) TOP EL. 24.70
DEFLECTION POINT TOP EL. 23.10
CONSTRUCT (1) 8" 45° BEND TOP EL. 24.70



LEGEND

- HEAVY DUTY ASPHALT PAVING
- LIGHT DUTY ASPHALT PAVING
- PROJECT BOUNDARY
- PROPOSED SIGN
- x — x — PROPOSED SECURITY FENCING

NOTES:
1. PVC WATER MAIN DEFLECTIONS AT FITTINGS AND PIPE JOINTS SHALL NOT EXCEED THE MANUFACTURER RECOMMENDED MAXIMUM ANGLES.
2. THE LOCATION OF THE DISPLAYED EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING PUBLIC AND PRIVATE UTILITIES.
3. ALL PSLUSD OWNED WATER MAIN IS TO BE C900 DR=18 PRESSURE CLASS PIPE.

GRAPHIC SCALE
30 0 15 30
(IN FEET)
1 inch = 30 ft.

SANITARY STRUCTURE TABLE

STRUCTURE NAME	STUCTURE DETAILS
SS-06 CONST. SAN. MANHOLE	RIM = 27.95 SE INV = 21.60 N INV = 21.50
SS-07 CONST. SAN. MANHOLE	RIM = 29.57 NW INV = 21.94

PIPE CROSSING TABLE

CROSSING #	TYPE	CLEARANCE (feet)	BOTTOM OF TOP PIPE (ELEV.)	BOTTOM OF TOP PIPE AS-BUILT	BOTTOM OF TOP PIPE (TYPE)	TOP OF BOTTOM PIPE (ELEV)	TOP OF BOTTOM PIPE AS-BUILT	TOP OF BOTTOM PIPE (TYPE)
C-16	24" STORM OVER 8" SAN	1.82	22.45		STM (HDPE)	20.63		SAN (PVC)
C-17	12" STORM OVER 8" SAN	4.34	25.01		STM (HDPE)	20.67		SAN (PVC)
C-18	6" WS OVER 8" WM	1.22	24.12		WS (PVC)	22.90		WM (PVC)
C-19	6" WS OVER 36" STORM	1.02	24.12		WS (PVC)	23.10		STM (HDPE)
C-20	6" WS OVER 8" SAN	2.03	24.12		WS (PVC)	22.09		SAN (PVC)
C-21	12" STORM OVER 6" WS	0.90	25.52		STM (HDPE)	24.62		WS (PVC)
C-22	12" STORM OVER 6" SAN	3.46	25.71		STM (HDPE)	22.25		SAN (PVC)
C-24	24" STORM OVER 8" SAN	0.41	23.00		STM (HDPE)	22.59		SAN (PVC)
C-25	8" WM OVER 2.5" WS	1.00	23.90		WM (PVC)	22.90		WS (PVC)
C-26	8" WM OVER 2.5" WS	1.00	23.90		WM (PVC)	22.90		WS (PVC)
C-27	24" STORM OVER 2.5" WS	1.00	23.45		STM (HDPE)	22.45		WS (PVC)
C-28	24" STORM OVER 8" WM	1.00	23.70		STM (HDPE)	22.70		WM (PVC)
C-29	24" STORM OVER 8" WM	1.00	23.70		STM (HDPE)	22.70		WM (PVC)
C-30	8" WM OVER 8" WM	1.00	23.90		WM (PVC)	22.90		WM (PVC)
C-31	24" STORM OVER 3" WS	1.08	23.18		STM (HDPE)	22.10		WS (PVC)
C-32	18" STORM OVER 8" WM	1.00	23.25		STM (HDPE)	22.25		WM (PVC)
C-33	18" STORM OVER 8" WM	1.00	23.25		STM (HDPE)	22.25		WM (PVC)
	CHILLED WATER SUPPLY CROSSINGS							
C-71	8" WM OVER 12" WM	1.50	23.90		WM (PVC)	22.40		WM (HDPE)
C-72	8" WM OVER 12" WM	1.50	23.90		WM (PVC)	22.40		WM (HDPE)
C-73	3" WM OVER 12" WM	0.50	22.90		WM (PVC)	22.40		WM (HDPE)
C-74	3" WM OVER 12" WM	0.50	22.90		WM (PVC)	22.40		WM (HDPE)
C-75	18" STORM OVER 12" WM	1.00	23.40		STM (HDPE)	22.40		WM (HDPE)
C-76	18" STORM OVER 12" WM	1.01	23.41		STM (HDPE)	22.40		WM (HDPE)
C-77	12" WM OVER 3" WM	1.00	21.20		WM (PVC)	20.20		WM (HDPE)
C-78	12" STORM OVER 3" WM	6.02	26.22		STM (HDPE)	20.20		WM (HDPE)
C-79	12" STORM OVER 3" WM	6.00	26.20		STM (HDPE)	20.20		WM (HDPE)
C-80	12" WM OVER 3" WM	1.00	21.20		WM (PVC)	20.20		WM (HDPE)
C-81	18" STORM OVER 4" WM	2.50	22.70		STM (HDPE)	20.20		WM (HDPE)
C-82	12" STORM OVER 4" WM	5.42	25.62		STM (HDPE)	20.20		WM (HDPE)
C-83	24" STORM OVER 4" WM	2.40	22.60		STM (HDPE)	20.20		WM (HDPE)
C-84	18" STORM OVER 4" WM	1.10	22.70		STM (HDPE)	21.60		WM (HDPE)
C-85	12" STORM OVER 4" WM	4.02	25.62		STM (HDPE)	21.60		WM (HDPE)
C-86	24" STORM OVER 4" WM	1.00	22.60		STM (HDPE)	21.60		WM (HDPE)
C-87	18" STORM OVER 4" WM	0.57	22.77		STM (HDPE)	22.20		WM (HDPE)
C-88	18" STORM OVER 4" WM	2.27	22.77		STM (HDPE)	20.50		WM (HDPE)

NOTES:
1. NATURAL GAS SERVICE CONFLICTS ARE NOT INCLUDED IN THE PIPE CROSSING TABLE. A 12" MINIMUM SEPARATION SHOULD BE MAINTAINED BETWEEN GAS SERVICES AND ALL OTHER ON SITE UTILITIES. ANY DEVIATIONS MUST BE REVIEWED BY THE ENGINEER OF RECORD.

NOTES:
1) ALL ELEVATIONS AND BENCHMARKS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988.

CODE REVIEW:

CERTIFICATE:

spiezle
SPIEZLE ARCHITECTURAL GROUP INC.
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PHONE: 772-464-3537 • www.ctseng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4288

PERMIT SET 2-13-2025

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SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

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DRAWING TITLE:

UTILITY PLAN

COMMISSION NUMBER:

24K054

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PSLUSD PROJECT # 5000-28
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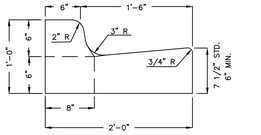
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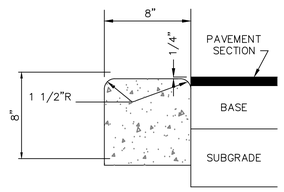
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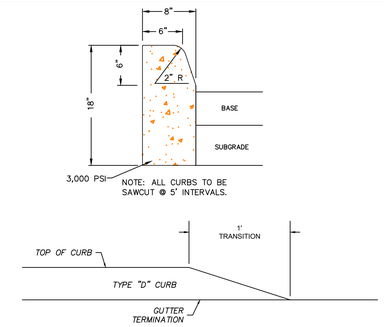
* NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

TYPE F CURB DETAIL
NOT TO SCALE

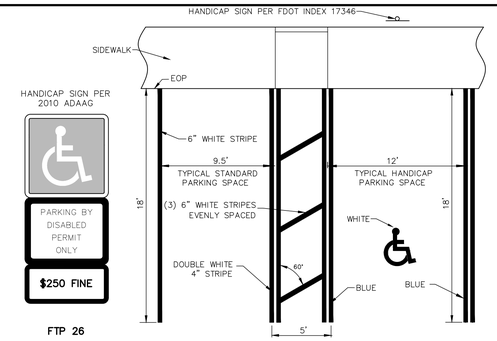


NOTES:
- ALL CURBS TO BE SAWCUT @ 10' INTERVALS.
- 3,000 PSI CONCRETE

HEADER CURB DETAIL
NOT TO SCALE



TYPE D CURB DETAIL
NOT TO SCALE



PARKING STALL DETAIL
NOT TO SCALE

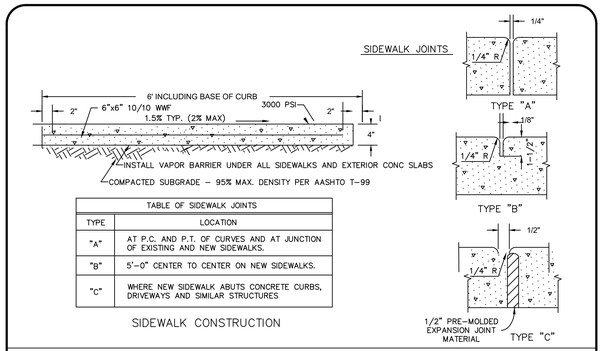
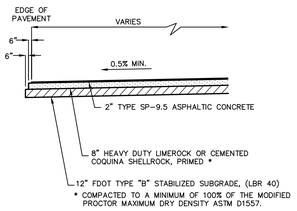


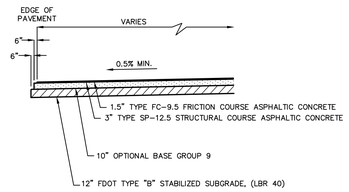
TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	AT P.C. AND P.T. OF CURVES AND AT JUNCTION OF EXISTING AND NEW SIDEWALKS.
"B"	5'-0" CENTER TO CENTER ON NEW SIDEWALKS.
"C"	WHERE NEW SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES

SIDEWALK CONSTRUCTION

SIDEWALK DETAILS
NOT TO SCALE



LIGHT DUTY PAVEMENT SECTION
NOT TO SCALE



HEAVY DUTY PAVEMENT SECTION
NOT TO SCALE

NOTES:
1) ALL ELEVATIONS AND BENCHMARKS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988.

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
2001 9TH AVENUE
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JOHN F. WRIGHT AR101341

SEAL:

CONSULTANTS:
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PHONE: 772-464-3537 ♦ www.ctseng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE

FOR BID: TBD

DRAWING TITLE:

PAVING, GRADING, & DRAINAGE DETAILS

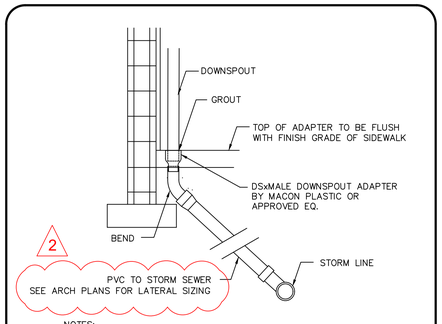
COMMISSION NUMBER:
24K054

CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:
C400

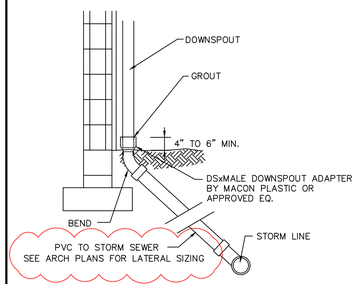
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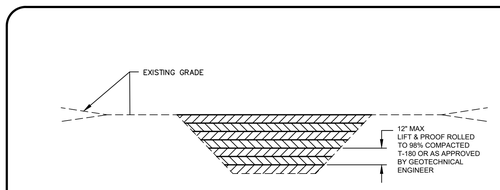
NOTES:
1. VERIFY THAT THERE ARE NO CONFLICTS WITH BUILDING/WALK FOUNDATION. PROVIDE FITTINGS AS REQUIRED TO MITIGATE CONFLICT.
2. ENSURE THAT CENTERLINE OF HUB MATCHES CENTERLINE OF DOWNSPOUT AT JUNCTION.
3. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

DOWNSPOUT CONNECTION (SIDEWALK)
NOT TO SCALE

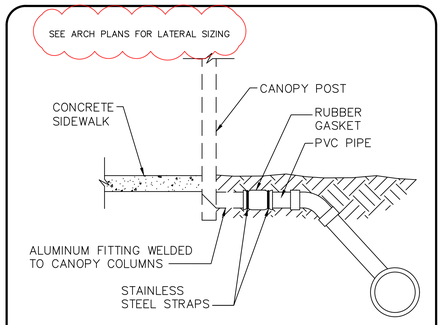


NOTES:
1. VERIFY THAT THERE ARE NO CONFLICTS WITH BUILDING/WALK FOUNDATION. PROVIDE FITTINGS AS REQUIRED TO MITIGATE CONFLICT.
2. ENSURE THAT CENTERLINE OF HUB MATCHES CENTERLINE OF DOWNSPOUT AT JUNCTION.
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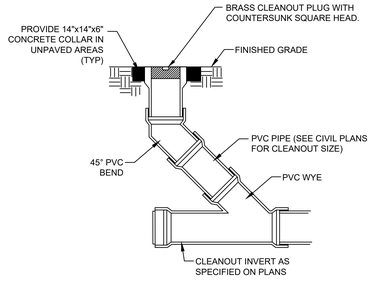
DOWNSPOUT CONNECTION (GRASS)
NOT TO SCALE



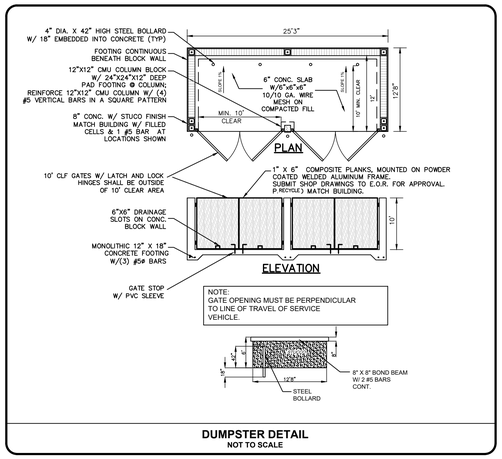
TYPICAL FILL PLACEMENT & COMPACTION DETAIL
NOT TO SCALE



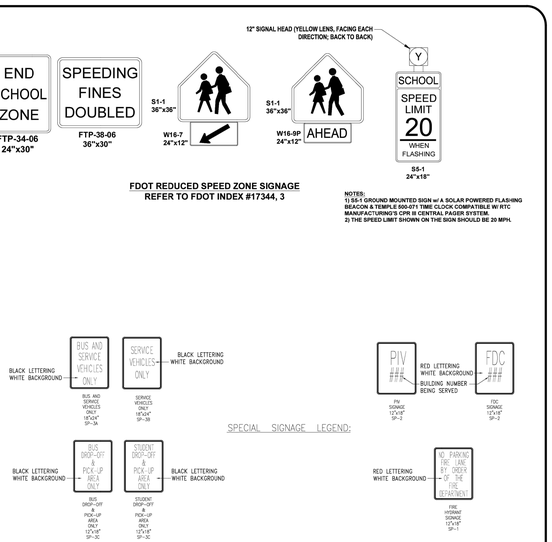
CANOPY CONNECTION DETAIL
NOT TO SCALE



STORM CLEANOUT DETAIL
NOT TO SCALE



DUMPSTER DETAIL
NOT TO SCALE



NOTE:
SPECIAL SIGNAGE TO BE INSTALLED AS APPLICABLE TO SITE SPECIFIC ELEMENTS.

SPECIAL SITE SIGNAGE DETAIL
NOT TO SCALE

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
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ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE
2	ADDENDUM #2	1/6/25

FOR BID: TBD

DRAWING TITLE:

PAVING, GRADING, & DRAINAGE DETAILS

COMMISSION NUMBER:

24K054

CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

C401

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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 MAIN, VACUUM SANITARY SEWER, STORM SEWER, STORM SEWER FORCE MAIN	WATER MAIN 10' MINIMUM	WATER MAIN 18" MINIMUM	6' MINIMUM WATER MAIN
ALL OTHER FACILITIES, INCLUDING BUT NOT LIMITED TO: TELEPHONE, CABLE TV, POWER, ETC.	PSLUSD FACILITY (4) 5' MINIMUM	PSLUSD FACILITY (4) 18" MINIMUM	3' MINIMUM WATER MAIN
ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM	10' MINIMUM	-----	-----

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

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

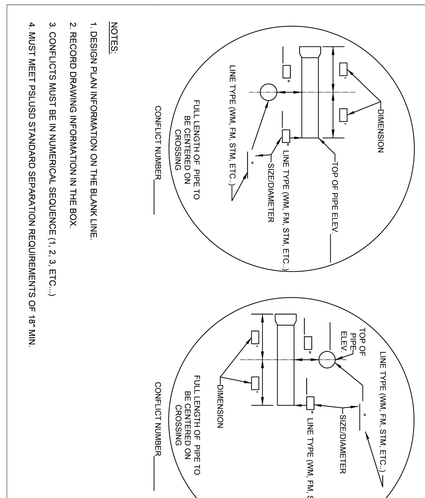
(3) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

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

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

STANDARD SEPARATION REQUIREMENTS

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



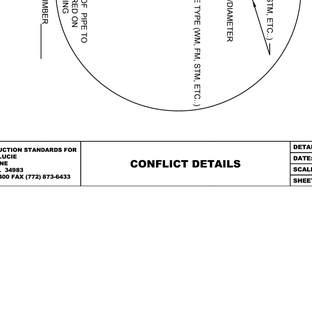
NOTES:

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

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE
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CONFLICT DETAILS

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



NOTES:

1. FOR TRENCHES REQUIRING SHEETING, SHORING, STAY BRACING, TRENCH JACKS OR TRENCH BOX, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SUPPORTS.

2. IF THE MAXIMUM TRENCH WIDTH MUST BE EXCEEDED, THE AREA OUTSIDE OF THE MAXIMUM EMBEDMENT SHALL BE COMPACTED TO FINAL BACKFILL REQUIREMENTS. IF THE PIPE IS INSTALLED IN A COMPACTED EMBANKMENT, THE EMBANKMENT SHALL BE IN PLACE AND COMPACTED TO 12" MIN. COVER BEFORE INSTALLATION OF PIPE.

3. IF BEDDING IS REQUIRED TO BRING TRENCH BOTTOM UP TO GRADE AND PROVIDE UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE, THEN A MINIMUM COMPACTED DEPTH OF 4 TO 6 INCHES OF SELECT EMBEDMENT MATERIAL IS REQUIRED.

4. THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.

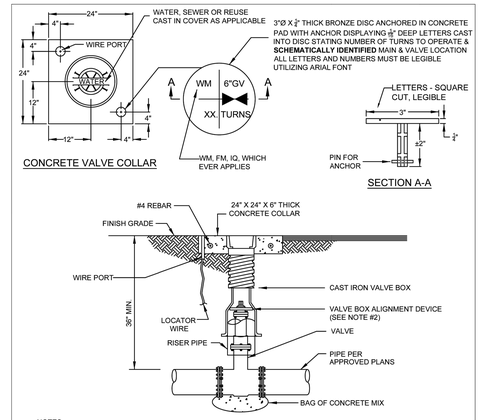
5. AN APPROVED LOCATOR WIRE SHALL BE USED.

6. EARTHWORK, EXCAVATION, BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE WITH PSLUSD STANDARDS.

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

STANDARD PIPE TRENCH CROSS SECTION

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



NOTES:

1. WHEN TOP OF OPERATING NUT IS DEEPER THAN 30", A HIGH STRENGTH STEEL EXTENSION WILL BE REQUIRED TO BRING OPERATING NUT 24"-30" BELOW FINISHED GRADE. A STEEL CENTERING PLATE, WELDED TO THE EXTENSION, IS ALSO REQUIRED.

2. A VALVE BOX ALIGNMENT DEVICE SHALL BE PROVIDED TO ELIMINATE SHIFTING OF THE VALVE BOX AGAINST THE OPERATING NUT.

3. C900 OR SDR-26 P.V.C. RISER PIPE SHALL BE ADDED TO EXTEND THE VALVE BOX IF NEEDED.

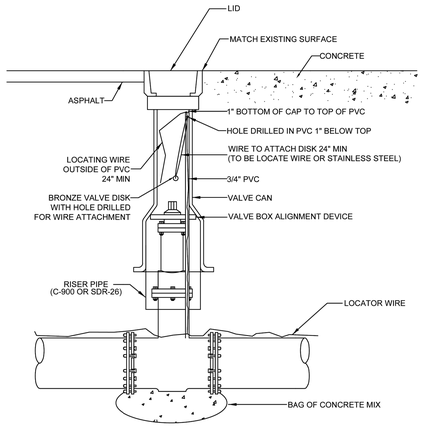
4. RPM'S SHALL NOT BE INSTALLED IN CROSSWALKS OR PEDESTRIAN WALKWAYS.

5. THE TOP SIDE OF THE VALVE BOX COVER AND THE INSIDE OF TOP SECTION OF THE VALVE BOX SHALL BE PAINTED BLUE FOR WATER MAINS, GREEN FOR SEWER MAINS AND PURPLE FOR RECLAIMED WATER MAINS.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE
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PORT ST. LUCIE, FL 34983
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TYPICAL VALVE BOX AND COLLAR IN UN-PAVED AREA

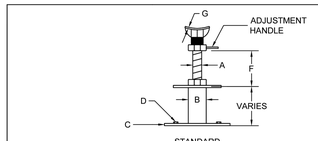
DETAIL: G-07 | DATE: 2019 | SCALE: N.T.S. | SHEET: 1 OF 2



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

TYPICAL VALVE BOX IN PAVED AREA

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



STANDARD

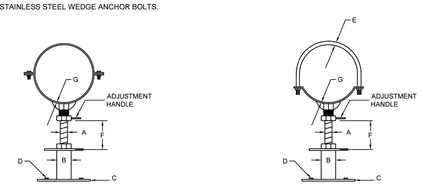
PIPE SIZE	THREAD DIAMETER (A)	PIPE DIAMETER (B)	BASE (C)	HOLE DIAMETER (D)	U-BOLT (E)	VERTICAL ADJUSTMENT (F)	STOCK SIZE (G)
2"	1"	2"	1/4" X 6" X 6"	9/16"	3/8"	6"	3/16" X 2-1/2"
3"	1"	2-1/2"	1/4" X 6" X 6"	9/16"	3/8"	6"	3/16" X 2-1/2"
4"	1"	2-1/2"	1/4" X 6" X 6"	9/16"	1/2"	6"	3/16" X 2-1/2"
6"	1-1/2"	2-1/2"	1/4" X 6" X 6"	9/16"	1/2"	6"	1/4" X 3"
8"	1-1/2"	3"	3/8" X 9" X 9"	11/16"	1/2"	6"	1/4" X 3"
10"	1-1/2"	3"	3/8" X 9" X 9"	11/16"	5/8"	6"	1/4" X 3"
12"	1-1/2"	3"	3/8" X 11" X 11"	13/16"	3/4"	6"	1/4" X 3"

NOTES:

1. 1/4" NEOPRENE SEAT OR GASKET TO BE PLACED BETWEEN PIPE AND SUPPORT.

2. SUPPORT MATERIAL TO BE 316 STAINLESS STEEL.

3. STAINLESS STEEL WEDGE ANCHOR BOLTS.



OPTIONAL CONFIGURATIONS

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

PIPE SUPPORT

FILE NAME: G-08 | DATE: 2019 | SCALE: N.T.S. | SHEET: 1 OF 1

CODE REVIEW:

CERTIFICATE:

spiezle

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ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE

FOR BID: TBD

DRAWING TITLE:

UTILITY DETAILS

COMMISSION NUMBER:

24K054

CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

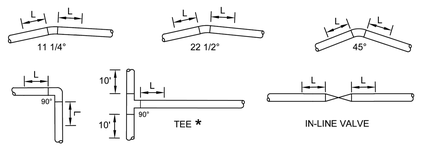
C500

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HORIZONTAL BENDS



HORIZONTAL - L (FEET)						
DIAMETER	11-1/4°	22-1/2°	45°	90°	TEE* (BRANCH)	VALVES OR DEAD END
4"	2	4	8	18	20	39
6"	3	5	11	25	36	55
8"	4	7	14	33	52	72
10"	4	8	16	39	65	87
12"	5	9	19	45	80	102
14"	5	11	21	51	93	116
16"	6	12	24	57	107	131
18"	7	13	26	63	120	145
20"	7	14	29	68	133	159
24"	8	16	33	79	157	185
30"	10	19	39	93	192	222
36"	11	21	44	106	225	257
42"	12	24	49	117	254	289
48"	13	26	53	128	283	321

NOTES:

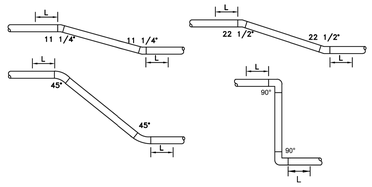
1. THE REQUIREMENTS SET FORTH ABOVE WERE CALCULATED FOR PVC PIPE BASED UPON THE FOLLOWING ASSUMPTIONS:

- 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
- * SIZE ON SIZE TEE & 5' LENGTH ALONG RUN

2. 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 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	**PIPELINE RESTRAINT REQUIREMENTS (HORIZONTAL)**	DETAIL: G-09 DATE: 2019 SCALE: N.T.S. SHEET: 1 OF 3

VERTICAL BENDS



VERTICAL OFFSET - L (FEET)								
DIAMETER	11-1/4°		22-1/2°		45°		90°	
	UPPER BEND	LOWER BEND	UPPER BEND	LOWER BEND	UPPER BEND	LOWER BEND	UPPER BEND	LOWER BEND
4"	4	2	8	3	17	5	39	11
6"	6	2	11	4	23	7	55	15
8"	8	2	15	4	30	9	72	20
10"	9	3	18	5	36	10	87	24
12"	11	3	21	6	43	12	102	28
14"	12	4	24	7	49	14	116	32
16"	13	4	27	8	55	16	131	36
18"	15	4	29	8	60	17	145	40
20"	16	5	32	9	66	19	158	44
24"	19	6	37	11	77	22	185	51
30"	22	7	45	13	92	26	222	62
36"	26	8	52	15	107	30	256	71
42"	29	8	58	16	120	34	289	80
48"	32	9	64	18	133	37	320	89

NOTES:

1. THE REQUIREMENTS SET FORTH ABOVE WERE CALCULATED FOR PVC PIPE BASED UPON THE FOLLOWING ASSUMPTIONS:

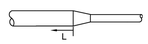
- SOIL CONDITIONS: SILTY SAND (SM)
- TRENCH TYPE: 3 (PIPE BEDDED IN 4" MINIMUM OF LOOSE SOIL WITH BACKFILL LIGHTLY COMPACTED)
- UPPER SIDE MINIMUM COVER: 3 FT
- LOWER SIDE MINIMUM COVER: 5 FT
- SAFETY FACTOR: 1.5
- TEST PRESSURE: 150 PSI

2. WHEN CONDITIONS DIFFER FROM THE ABOVE, THE ENGINEER-OF-RECORD (EOR) SHALL SUBMIT CALCULATIONS FOR REVIEW AND APPROVAL OF PSLUSD.

3. ALL JOINTS BETWEEN UPPER AND LOWER BENDS SHALL BE RESTRAINED.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	**PIPELINE RESTRAINT REQUIREMENTS (VERTICAL)**	DETAIL: G-09 DATE: 2019 SCALE: N.T.S. SHEET: 2 OF 3

REDUCER



L = RETRAINED LENGTH AT LARGER SIZE OF REDUCER (FEET)														
DIAMETER	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
4"		29	52	71	89	105	121	136	151	179	217	253	285	318
6"			31	53	74	93	111	127	143	172	211	249	282	315
8"				29	54	76	96	114	131	163	204	243	277	310
10"					30	55	78	98	117	151	195	235	271	305
12"						30	56	79	100	137	184	226	263	299
14"							30	56	79	120	171	216	255	292
16"								30	56	101	156	204	245	283
18"									30	80	140	190	233	273
20"										56	121	175	221	263
24"											78	141	192	238
30"												78	140	194
36"													75	139
42"														75

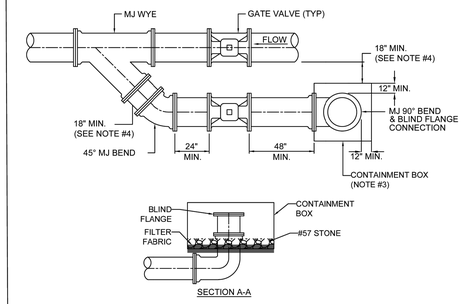
NOTES:

1. 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

2. 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 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	**PIPELINE RESTRAINT REQUIREMENTS (REDUCER)**	DETAIL: G-09 DATE: 2019 SCALE: N.T.S. SHEET: 3 OF 3



NOTES:

1. THE ABOVE DETAIL IS FOR A TYPICAL PIG LAUNCHING / RECOVERY STATION. THE ENGINEER-OF-RECORD SHALL SUBMIT DRAWING DETAILS FOR THE PIG LAUNCHING STATION WITH DIMENSIONS FOR THE CONTAINMENT BOX, PIPE SIZES & LENGTH, AND SPECIFICATIONS FOR ALL COMPONENTS AND FITTINGS.

2. PIG RECOVERY STATION WILL BE REVERSE TO FLOW.

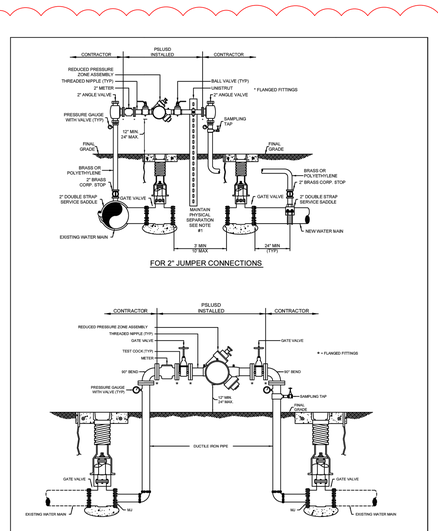
3. CONTAINMENT BOX SIZE VARIES TO ALLOW ACCESSIBILITY TO BOLTS OF PLUG. PER QUALIFIED PRODUCT LIST.

4. VARIES WITH MAIN SIZE IN ORDER TO OFFSET CONTAINMENT BOX FROM MAIN LINE.

5. THE BOTTOM OF CONTAINMENT BOX SHALL BE COVERED WITH 8 INCHES OF#57 STONE OVER FILTER FABRIC.

6. ALL FITTINGS BELOW-GROUND SHALL BE MECHANICAL JOINT.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	**PIG LAUNCHING / RECOVERY STATION**	DETAIL: G-12 DATE: 2019 SCALE: N.T.S. SHEET: 1 OF 1



FOR 2" JUMPER CONNECTIONS

FOR JUMPER CONNECTIONS 3" OR GREATER

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	TEMPORARY JUMPER CONNECTION	DETAIL: G-14 DATE: 2014 SCALE: N.T.S. SHEET: 1 OF 2

NOTES:

1. A TEMPORARY JUMPER CONNECTION SHALL BE PROVIDED IN ACCORDANCE WITH THIS DETAIL WHEN AN EXISTING PSLUSD WATER MAIN WILL BE USED FOR FILLING, FLUSHING OR PIGGING A NEWLY CONSTRUCTED POTABLE WATER, WASTEWATER FORCE MAIN OR RECLAIMED WATER MAIN. A DIRECT CONNECTION SHALL NOT BE MADE UNDER ANY CIRCUMSTANCES. THE SIZE OF THE JUMPER CONNECTION SHALL BE SPECIFIED BY THE ENGINEER-OF-RECORD (EOR) BASED ON VELOCITY REQUIRED TO FLUSH THE MAIN.

2. THE CONTRACTOR SHALL CONTACT THE PSLUSD REGARDING SCHEDULING OF REQUIRED INSPECTIONS RELATING TO THE CONNECTION. PSLUSD INSPECTIONS ARE SPECIFICALLY REQUIRED FOR TIE-INS OR WET TAPS TO EXISTING MAINS, JUMPER INSTALLATION, FLUSHING, PIGGING, PRESSURE TESTING, DISINFECTION, SAMPLING, PLUGGING OF SAMPLING POINTS AND PERMANENT CONNECTION OF THE NEW MAIN. THE CONTRACTOR SHALL FOLLOW ALL PROCEDURES STRICTLY IN ACCORDANCE WITH THE PSLUSD UTILITY STANDARDS MANUAL.

3. THE TEMPORARY JUMPER ASSEMBLY (FLANGE TO FLANGE) WILL BE SUPPLIED, INSTALLED AND TESTED BY THE PSLUSD, IN COORDINATION WITH THE EOR AND CONTRACTOR. OTHER MATERIALS AND INSTALLATION REQUIRED FOR THE CONNECTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL DISINFECT THE PIPE AND FITTINGS USED TO MAKE THE CONNECTION BY SPRAYING AND SWABBING WITH CHLORINE AS NECESSARY. A SUPPORT SHALL BE PROVIDED FOR THE ASSEMBLY AS NECESSARY. THE UNDERGROUND FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT TYPE. ALL MATERIALS SHALL BE PER THE PSLUSD APPROVED QUALIFIED PRODUCTS LIST. THE JUMPER CONNECTION SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE ASSEMBLY IS REMOVED BY THE PSLUSD. THE VALVES SHALL BE OPERATED BY PSLUSD PERSONNEL ONLY.

4. 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 PSLUSD.

5. PIGGING AND FLUSHING SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF A PSLUSD INSPECTOR. 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 PSLUSD. ALL VALVES SHALL BE CLOSED BY PSLUSD PERSONNEL AFTER FLUSHING AND SHALL REMAIN CLOSED DURING THE PRESSURE TEST.

6. DISINFECTION OF POTABLE WATER MAINS SHALL BE CONDUCTED IN ACCORDANCE WITH AWWA C651. A MINIMUM PRESSURE OF 20 PSI SHALL BE MAINTAINED IN THE NEW MAIN AFTER DISINFECTION.

7. CONNECTION TO EXISTING WATER MAINS SHALL NOT BE MADE PRIOR TO BACTERIOLOGICAL CLEARANCE AND UNTIL NEW MAIN IS OWNED BY THE PSLUSD.

8. UPON WRITTEN APPROVAL, THE SAMPLING POINTS SHALL BE REMOVED AND PLUGGED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE THE PERMANENT CONNECTION IN THE PRESENCE OF A PSLUSD INSPECTOR. THE PIPE AND FITTINGS FOR CONNECTION SHALL BE DISINFECTED BY SPRAYING AND SWABBING WITH CHLORINE.

9. THE JUMPER ASSEMBLY (FLANGE TO FLANGE) WILL BE REMOVED BY THE PSLUSD IN COORDINATION WITH THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE THE REST OF THE JUMPER CONNECTION PIPING AND PLUG THE CORPORATION STOP VALVES.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	TEMPORARY JUMPER CONNECTION	DETAIL: G-14 DATE: 2014 SCALE: N.T.S. SHEET: 2 OF 2

2

CODE REVIEW:

CERTIFICATE:

spiezle

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE
2	ADDENDUM #2	1/6/25

FOR BID: TBD

DRAWING TITLE:

UTILITY DETAILS

COMMISSION NUMBER:

24K054

CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
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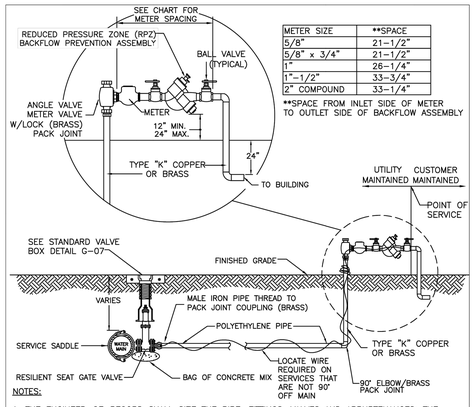
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METER SIZE	**SPACE
5/8"	21-1/2"
5/8" x 3/4"	21-1/2"
1"	26-1/4"
1"-1/2"	33-3/4"
2" COMPOUND	33-1/4"

**SPACE FROM INLET SIDE OF METER TO OUTLET SIDE OF BACKFLOW ASSEMBLY

NOTES:

1. 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)

2. BOTH RISERS SHALL BE BRASS OR TYPE "K" COPPER TUBING (HARD DRAWN) WITH COPPER/BRASS THREADED FITTINGS AND ADAPTERS.

3. ADDITIONAL SUPPORT SHALL BE PROVIDED AS NECESSARY TO SECURELY SUPPORT THE BACK FLOW PREVENTION ASSEMBLY.

4. VALVE, SADDLE AND APPURTENANCES SHALL BE PER THE QUALIFIED PRODUCTS LIST.

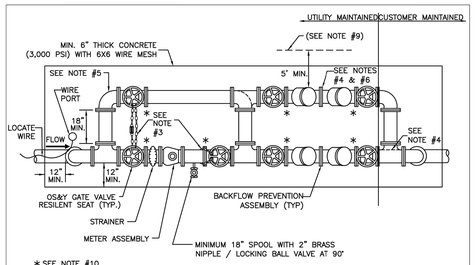
5. METERS AND BACKFLOW PREVENTERS 2" OR SMALLER SHALL BE INSTALLED BY PSLUSD. SEE SHEET 2 FOR MULTI-SERVICE METER BANK ASSEMBLY.

6. AT THE DIRECTION OF THE PSLUSD, BOLLARDS MAY BE REQUIRED TO PREVENT DAMAGE FROM ACCIDENTS. REFER TO DETAIL G-15 FOR BOLLARD INSTALLATION.

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

COMMERCIAL WATER SERVICE CONNECTION

DETAIL: W-02
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 2



* SEE NOTE #10

PLAN VIEW

NOTES:

1. ALL PIPE AND FITTINGS SHALL BE CLASS 53 DUCTILE IRON.

2. 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.

3. STAINLESS STEEL CHAINS (1/4"MIN.) & LOCKS FOR THE VALVES SHALL BE PROVIDED AS REQUIRED BY THE PSLUSD.

4. 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.

5. METER BY-PASS LINE SHALL BE THE SAME SIZE AS SUPPLY TO METER.

6. BACKFLOW PREVENTION ASSEMBLY ON THE BY-PASS LINE SHALL BE SAME SIZE AND TYPE AS THE MAIN BACKFLOW PREVENTION ASSEMBLY.

7. THE ENGINEER-OF-RECORD SHALL SIZE METER AND BACKFLOW PREVENTION ASSEMBLY, TAKING INTO CONSIDERATION THE TYPICAL HEAD LOSS FOR EACH.

8. 12" MIN. / 24" MAX. CLEARANCE IS REQUIRED FROM THE TOP OF THE CONCRETE PAD TO THE BOTTOM OF THE RELIEF VALVE.

9. A 5' MIN. CLEAR ZONE SHALL BE LOCATED ON ALL SIDES OF THE BACKFLOW PREVENTION ASSEMBLIES.

10. STAINLESS STEEL ADJUSTABLE PIPE SUPPORTS SHALL BE PROVIDED FOR SUPPORT UNDER EACH GATE VALVE AND ANCHORED IN THE CONCRETE PAD.

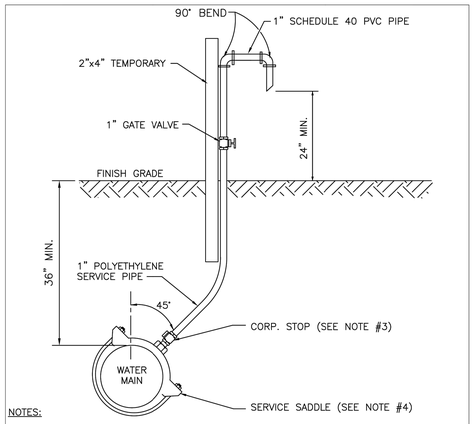
11. AT THE DIRECTION OF THE PSLUSD, BOLLARDS MAY BE REQUIRED TO PREVENT DAMAGE FROM ACCIDENTS. REFER TO DETAIL G-15 FOR BOLLARD INSTALLATION.

12. A BRASS PLUG SHALL BE INSTALLED IN ALL TEST PORTS.

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

METER AND BACKFLOW PREVENTION ASSEMBLY FOR 3" AND LARGER SERVICES

DETAIL: W-03
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 1



NOTES:

1. 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.

2. THE EXCAVATED HOLE FOR THIS INSTALLATION SHALL BE BACKFILLED TO FINISHED GRADE PRIOR TO DISCHARGING ANY WATER ON THE GROUND.

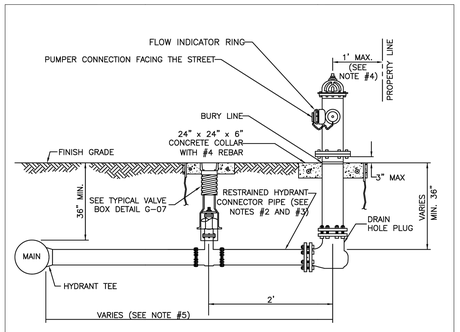
3. AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED, THE CONTRACTOR SHALL TURN CORPORATION STOP OFF, REMOVE TUBING AND PLUG CORPORATION STOP WITH BRASS PLUG/CAP.

4. NO DIRECT TAPS SHALL BE PERMITTED.

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

WATER SAMPLING POINT

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



NOTES:

1. HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C600. THE HYDRANTS SHALL BE PAINTED BY THE MANUFACTURER WITH 2 COATS (MIN.).

2. 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.

3. 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.

4. WHEN INSTALLED WITH SIDEWALK OR CURB, PROVIDE MIN. 2 FOOT CLEARANCE TO ANY PORTION OF THE HYDRANT, UTILIZING THE SIDE LOT EASEMENT IF NECESSARY.

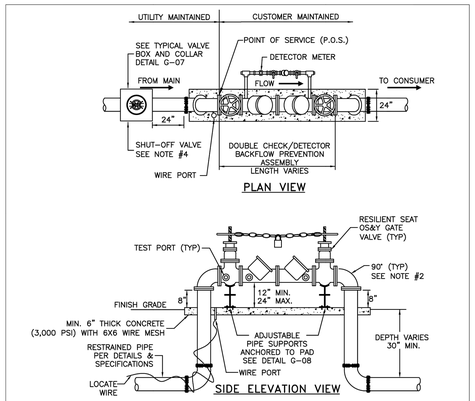
5. A GATE VALVE SHALL BE INSTALLED WITHIN 2 FEET OF THE FIRE HYDRANT. IF DISTANCE FROM THE WATER MAIN TO THE FIRE HYDRANT IS GREATER THAN 20 FEET, A SECOND GATE VALVE SHALL BE INSTALLED WITHIN 2 FEET OF THE MAIN.

6. ANY DEVIATIONS FROM THE CRITERIA ABOVE REQUIRE A WRITTEN RECOMMENDATION FROM THE ENGINEER-OF-RECORD AND WRITTEN APPROVAL BY PSLUSD.

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

FIRE HYDRANT ASSEMBLY

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



NOTES:

1. ALL PIPE AND FITTINGS SHALL BE CLASS 53 DUCTILE IRON INCLUDING AND IN BETWEEN BURIED ELBOWS.

2. 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.

3. 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.

4. TO MAINTAIN CONTINUITY OF SERVICE DURING REPAIRS TO THE ASSEMBLY, AN ISOLATION VALVE SHALL BE PROVIDED ON THE UTILITY'S MAIN AS SHOWN.

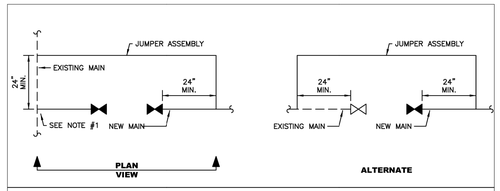
5. AT THE DIRECTION OF THE PSLUSD, BOLLARDS MAY BE REQUIRED TO PREVENT DAMAGE FROM ACCIDENTS. REFER TO DETAIL G-15 FOR BOLLARD INSTALLATION.

6. A BRASS PLUG SHALL BE INSTALLED IN ALL TEST PORTS.

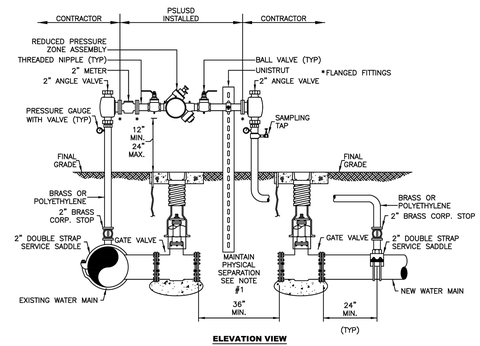
MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE
900 S.E. OGDEN LANE
PORT ST. LUCIE, FL 34983
PHONE (772) 873-6400 FAX (772) 873-6433

FIRE SERVICE BACKFLOW ASSEMBLY

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



ALL PIPES AND APPURTENANCES TO BE 2" FOR NEW MAINS UP TO 8" FOR MAINS OVER 8", ALL PIPES AND APPURTENANCES TO BE SIZED AND DESIGNED BY THE ENGINEER OF RECORD.



ELEVATION VIEW

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

TEMPORARY JUMPER CONNECTION (UP TO 8" PIPE)

DETAIL: W-09
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 2

CODE REVIEW:

CERTIFICATE:

spiezle

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CONSULTANTS:

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PHONE: 772-464-3537 • www.ctseng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE

FOR BID: TBD

DRAWING TITLE:

UTILITY DETAILS

COMMISSION NUMBER:

24K054

CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
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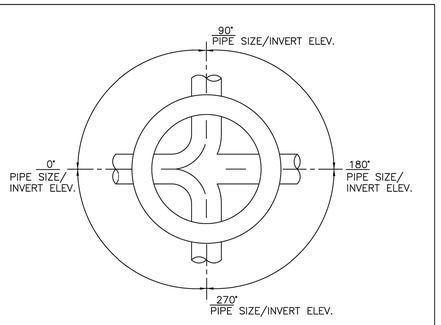
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PLAN VIEW

NOTES:

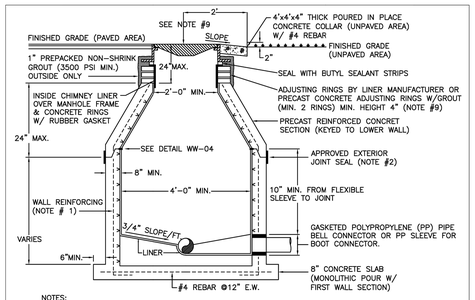
1. THE ENGINEER–OF–RECORD SHALL SUBMIT TO PSLUSD THE SHOP DRAWINGS FOR EACH STRUCTURE, PROVIDING THE DIAMETER OF EACH PIPE, INVERT ELEVATION OF EACH PIPE, RIM ELEVATION AND THE NUMBER OF DEGREES BETWEEN PIPES. (15 DEGREE INCREMENTS IF POSSIBLE)

2. MANHOLE INTERIOR SHALL BE LINED UTILIZING A CORROSION BARRIER SYSTEM. LISTED ON THE PSLUSD QUALIFIED PRODUCT LIST.

3. MANHOLE EXTERIOR SHALL BE COATED WITH A PRIMER AND TWO COATS OF A WATER BASED EPOXY 3–5 MILS EACH PER THE PSLUSD SPECIFICATIONS. APPLICATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	INVERT FLOW CHANNELS FOR MANHOLES	DETAIL: WW-01
		DATE: 2019
		SCALE: N.T.S.
		SHEET: 1 OF 1

MANHOLE AND BASE LINER IS A BID ALTERNATE FOR ALL MANHOLES OWNED BY SLCS



NOTES:

1. MANHOLE FABRICATION SHALL BE IN ACCORDANCE W/ ASTM C–478, LATEST REVISION.

2. 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)

3. ALL PIPE OPENINGS SHALL BE GAS AND WATER TIGHT WITH NO EXPOSED CONCRETE SURFACES.

4. CAST OPENINGS SHALL BE MANUFACTURED WITH PRECAST HOLE W/ CAST–IN LINER SLEEVE SIZED FOR APPROPIATE 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.

5. FLOW CHANNELS SHALL BE CONSTRUCTED TO DIRECT FLOW INTO FLOW STREAM (SEE DETAIL WW–01).

6. LIFT HOLES ARE PERMITTED BUT MUST BE GROUTED ONCE MANHOLE IS IN PLACE.

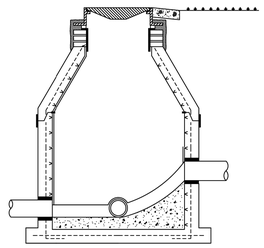
7. MANHOLE AND BASE WILL BE LINED INSIDE WITH AN APPROVED LINER SYSTEM.

8. 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.

9. MAXIMUM HEIGHT OF CHIMNEY SHALL NOT EXCEED 24 INCHES INCLUDING FRAME CASTING.

CONT. ON SHEET 2 OF 2

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	STANDARD PRECAST MANHOLE	DETAIL: WW-02
		DATE: 2019
		SCALE: N.T.S.
		SHEET: 1 OF 2



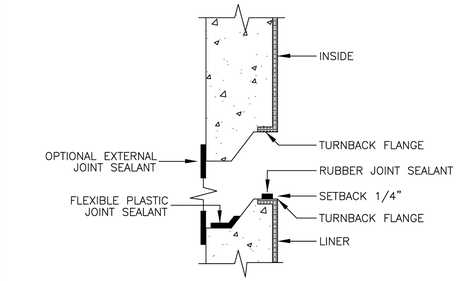
NOTES:

10. EXCAVATION, DEWATERING, BACKFILL & COMPACTION SHALL BE CONDUCTED IN ACCORDANCE W/ THE PSLUSD UTILITY STANDARDS. DENSITY TESTS SHALL BE PERFORMED AND SUBMITTED AS REQUIRED.

11. THE MANHOLE BASE SHALL BE CONSTRUCTED AS SHOWN IN THIS DETAIL WHERE THE DROP IN INVERT EXCEEDS 0.1' BUT IS LESS THAN 2'. FOR DROPS 2' OR GREATER A DROP CONNECTION PER DETAIL WW–03 SHALL BE USED.

12. THE MANHOLE SHALL BE CONSTRUCTED AS SHOWN IN THIS DETAIL WHERE THE DROP IN INVERT EXCEEDS 0.1' BUT LESS THAN 2'. FOR DROPS 2' OR GREATER A DROP CONNECTION PER DETAIL WW–03 SHALL BE USED.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	STANDARD PRECAST MANHOLE (DROP)	DETAIL: WW-02
		DATE: 2019
		SCALE: N.T.S.
		SHEET: 2 OF 2



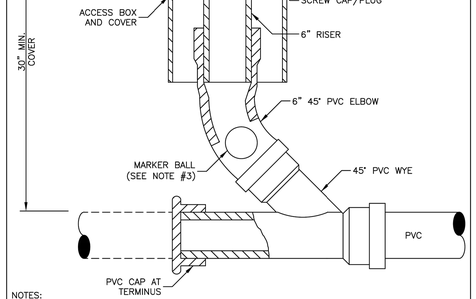
JOINT SEALANTS

NOTES:

1. APPROVED JOINT SEALANTS SHALL BE USED.

2. WELDED CAP STRIPS AT JOINTS OR WELDED JOINTS MAY BE ACCEPTABLE IF APPROVED IN WRITING BY PSLUSD.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	MANHOLE / WETWELL JOINT DETAIL	DETAIL: WW-04
		DATE: 2019
		SCALE: N.T.S.
		SHEET: 1 OF 1



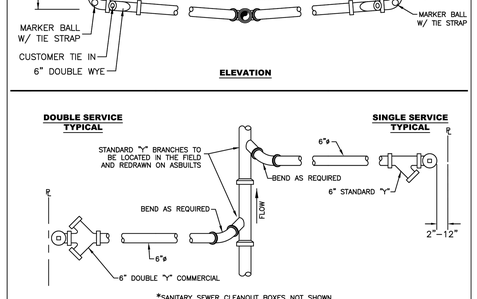
NOTES:

1. AN ACCESS BOX AND COVER SHALL BE USED.

2. CLEANOUT ASSEMBLY SHALL BE INSTALLED AT A MAXIMUM 75' INTERVALS AND AT TERMINAL POINT OF THE PSLUSD RESPONSIBILTY. THE LOCATION SHALL BE IN ACCORDANCE WITH THE PSLUSD UTILITY STANDARDS.

3. MARKER BALL SHALL BE STRAPPED TO THE ELBOW.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	SANITARY SEWER CLEANOUT	DETAIL: WW-05
		DATE: 2019
		SCALE: N.T.S.
		SHEET: 1 OF 1



ELEVATION

*SANITARY SEWER CLEANOUT BOXES NOT SHOWN

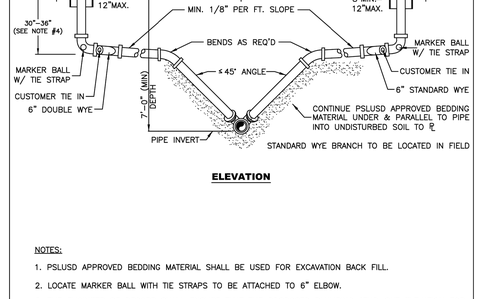
PLAN VIEW

NOTES:

1. SANITARY SEWER LATERALS SHALL BE 6" IN DIAMETER.

2. 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.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	SANITARY SEWER LATERAL (SHALLOW)	DETAIL: WW-06
		DATE: 2019
		SCALE: N.T.S.
		SHEET: 1 OF 1



ELEVATION

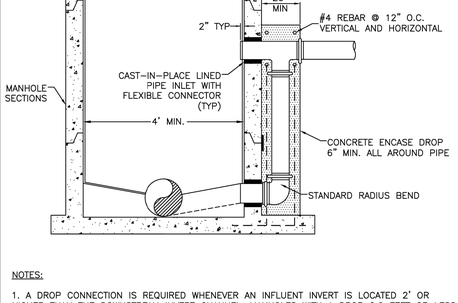
NOTES:

1. PSLUSD APPROVED BEDDING MATERIAL SHALL BE USED FOR EXCAVATION BACK FILL.

2. LOCATE MARKER BALL WITH TIE STRAPS TO BE ATTACHED TO 6" ELBOW.

3. 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.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	SANITARY SEWER LATERAL (DEEP)	DETAIL: WW-07
		DATE: 2019
		SCALE: N.T.S.
		SHEET: 1 OF 1



NOTES:

1. A DROP CONNECTION IS REQUIRED WHENEVER AN INFLUENT INVERT IS LOCATED 2' OR HIGHER THAN THE DOWNSTREAM INVERT CHANNEL. MANHOLES WITH A DROP 2.0 FEET OR LESS SHALL BE IN ACCORDANCE WITH DETAIL WW–02.

2. MANHOLE CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL WW–02.

3. PVC SDR 26 PIPE WITH PVC SDR 26 FITTINGS SHALL BE UTILIZED IN THE DROP ASSEMBLY.

MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433	OUTSIDE DROP MANHOLE	DETAIL: WW-03
		DATE: 2019
		SCALE: N.T.S.
		SHEET: 1 OF 1

CODE REVIEW:

CERTIFICATE:

spiezle

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CONSULTANTS:

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CULPEPPER & TERPENING INC
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FORT PIERCE, FLORIDA 34981
PHONE 772-464-3537 ♦ www.ctseng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

⚠	REVISION NAME	DATE

FOR BID: TBD

DRAWING TITLE:

UTILITY DETAILS

COMMISSION NUMBER:

24K054

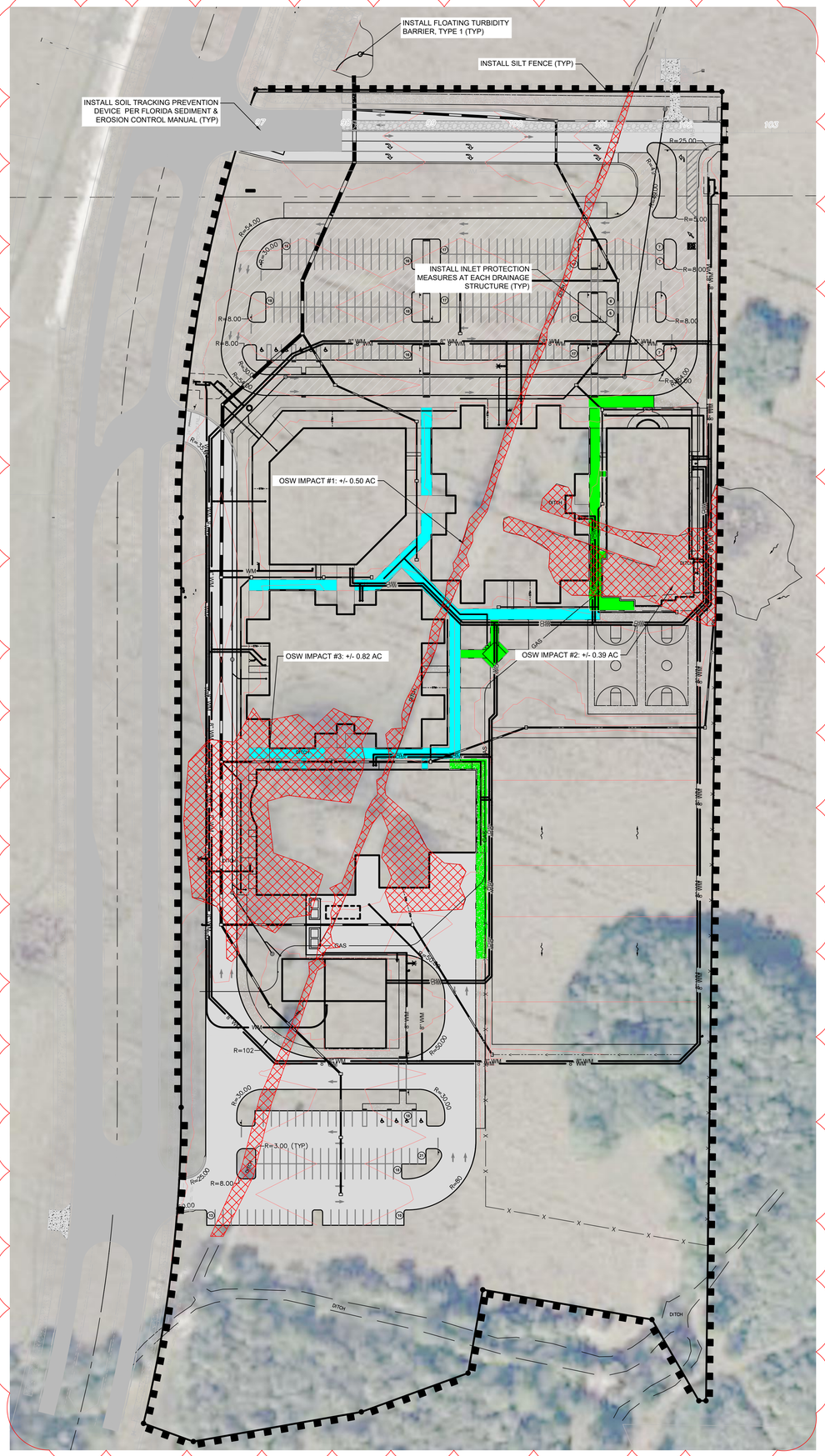
CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
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DRAWING NUMBER:

C503

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2

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

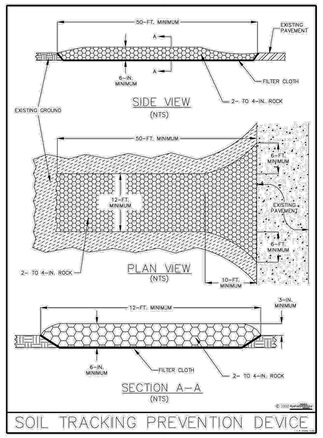


Figure V-52: Illustration of a Soil Tracking Prevention Device

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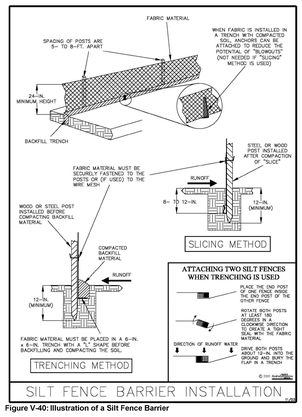


Figure V-40: Illustration of a Silt Fence Barrier

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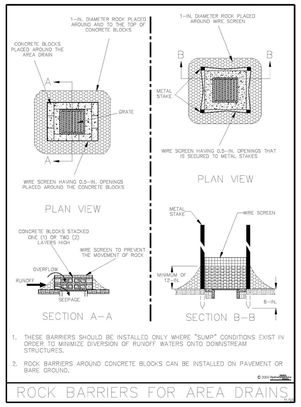


Figure V-46: Illustration of Rock Barriers around Area Drains

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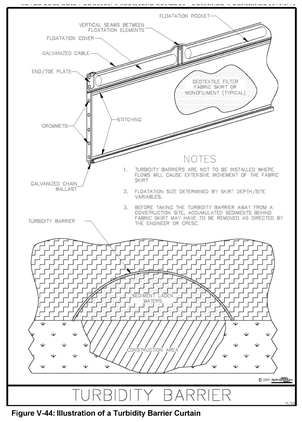


Figure V-44: Illustration of a Turbidity Barrier Curtain

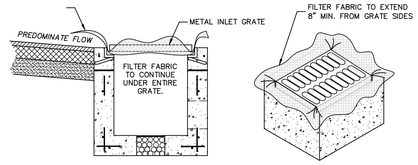
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GRAPHIC SCALE

60 0 30 60

(IN FEET)
1 inch = 60 ft.



GENERAL NOTES:
1. THIS INLET IS DESIGNED WITH FILTER FABRIC PROTRUDING 8" FROM SIDES FOR GRIPPING WHEN SEDIMENT NEEDS TO CLEARED AFTER FINAL CONSTRUCTION.
2. FILTER FABRIC TO BE INSTALLED AND TRIMMED BEFORE GRATE IS INSET.

INLET PROTECTION
FILTER FABRIC DETAIL

Name	Title	Company Name, Address and Phone Number	Date

Section 1	Project Name and location information:	Western Grove K-8 School
Section 2	Describe the nature of the construction activity:	
Section 3	Describe the intended sequence of major soil disturbing activities:	Site clearing and grubbing, embankment placing and leveling, grading, paving and stabilization
Section 4	Total area of the site:	
Section 5	Total area of the site to be disturbed:	
Section 6	Existing data describing the soil or quality of any stormwater discharge from the site:	The existing soils are primarily Pineda Sands.
Section 7	Estimate the drainage area size for each discharge point:	The site has one outfall in which approximately 21 acres discharges to.
Section 8	Latitude and longitude of each discharge point and identify the receiving water or MS4 for each discharge point:	
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.	
	• Prior to clearing, a silt fence (trenched 6 inches deep and backfilled on the uphill side), may be installed as required. Floating turbidity barrier will be installed to the limits of soil disturbance along the shoreline. • Disturbed portions of the site where construction activities have permanently ceased shall be stabilized with sod or other permanent stabilization methods no later than 7 days after the last construction activity. • All installation shall be commenced as depicted on the attached site map and installation "typicals". • Sedimentation basins have been designed to treat stormwater runoff.	
Section 10	Describe all temporary and permanent stabilization practices. Stabilization practices include temporary seeding, mulching, permanent seeding, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, vegetative preservations, etc.	
	• Grassing or mulch shall be used to stabilize all disturbed areas.	
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.	
	• Silt fence is being proposed at this time as the erosion control will be addressed by installing turbidity barriers upstream of the outfall pump in the locations indicated on the erosion control plan. The contractor may elect to install silt fence in localized areas of concern during the course of the project. • All runoff will be directed to existing storm water detention facilities.	
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.	
	• Sedimentation basins are proposed as runoff will be directed to permanent surface water management system.	
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.	
	• The Project stormwater system that will accept any runoff from the disturbed areas is completed and operational.	

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

CODE REVIEW:

CERTIFICATE:

spiezle

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PHONE: 772-794-2929

SIGNATURE:
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STEVEN G. SIEGEL AR99546
JOHN F. WRIGHT AR101341

SEAL:

CONSULTANTS:

STEFAN K. MATTHES, P.E. FL. REG. NO. 38723

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE
2	ADDENDUM #2	1/6/25

FOR BID: TBD

DRAWING TITLE:

EROSION & SEDIMENT CONTROL PLAN

COMMISSION NUMBER:

24K054

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

C600

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1. GENERAL

1. Mobilization: Mobilization shall meet the requirements of FDOT Section 101. This work shall include, but is not limited to, operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project site, and for the establishment of temporary offices, buildings, safety equipment and first aid supplies, sanitary and other facilities, as required by State and local laws and regulations. the costs of bonds and any required insurance, and any other preconstruction expense necessary for the start of work, excluding the cost of construction materials, shall also be included in this section. This section also includes any and all work related to the final cleanup.

2. Construction Surveying: The Owner shall provide horizontal control consisting of four control points. The Owner shall also provide vertical benchmarks as shown on the plans. This control shall be provided one time only. The Contractor is responsible for all other construction surveying. The Contractor is responsible to protect these reference points and the construction staking throughout the job. The Contractor shall bear the cost of any necessary restaking.

3. Soil Testing: Soil Testing shall be performed by a certified testing laboratory. The contractor shall be responsible for payment of any failed tests and inspections.

2. EARTHWORK AND GRADING

Materials and construction methods for earthwork, excavation, embankment and grading shall meet the requirements of FDOT Section 120 and shall be performed to achieve final grades, elevations and typical sections as shown on the plans for the proposed work.

1. Clearing and Grubbing: Clearing and grubbing shall meet the requirements of FDOT Section 110 and shall be performed within the limits of the project work. This work shall include, but is not limited to, the removal of existing trees, brush stumps, roots and other objectionable material to a depth of 18 inches below the natural ground or design grade, whichever is lower. The areas to be cleared and grubbed generally consist of rights-of-way, utility easements, water management tracts, and portions of the lots as detailed on the plans. The Contractor shall confirm with the Owner the removal of any trees for possible preservation. All material shall be removed from the site of the project and shall be disposed of in accordance with local, regional, State and Federal laws, regulations and ordinances.

2. Rough Grade: The Contractor shall grade the rights-of-way and lots to meet the requirements of FDOT Sections 110 and 120 and shall conform to the lines, grades, and typical sections as shown on the plans.

3. Fine Grade: The Contractor shall fine grade the roadway to meet the requirements of FDOT Sections 110 and 120 and shall conform to the lines, grades and typical sections as shown on the plans.

4. Sod: Sod shall meet the requirements of FDOT Section 570, 575, and 981 and shall be placed adjacent to the curbing for a minimum width of 24 inches.

5. Seed and Mulch: Seed and mulch shall meet the requirements of FDOT Sections 570, 575, and 981 and shall be placed in all disturbed areas not otherwise addressed in plans provided by the owner.

3. POTABLE WATER DISTRIBUTION AND WASTEWATER COLLECTION SYSTEM

Materials, construction methods, required tests, testing methods and construction tolerances for the wastewater collection and transmission system shall meet the requirements of the current AWWA Specifications, FDEP, and PSLUSD.

1. The Contractor and/or construction surveyor shall verify the elevation of the benchmark shown on construction plans. Verify
2. all elevations of existing pavement, stubouts, and structures before starting construction and notify the Engineer if any discrepancy in elevations exist.

   The Contractor is herein advised that "asbuilt drawings" will be performed on the project which will reflect the elevation and location of all structures and improvements on the project. These "asbuilt drawings" will be utilized by the Engineer to determine conformance of the project to required tolerances as set forth by permitting and/or approving public agencies. Tolerances established by these agencies must be met in order for the project to be accepted for final certification and approval. As Builts shall be in accordance with the Port St. Lucie Utilities Systems Department Standards.

3. All construction shall be in accordance with the City of Port St. Lucie Utility Systems Department's Technical Specifications and Construction Standards, latest revision, and with all applicable Florida Department of Environmental Protection Rules and Regulations.

4. No field changes or deviations from design are to be made without prior written approval of the Engineer of Record and Port St. Lucie Utilities Systems Department.

5. The contractor shall coordinate service grades and location with the Engineer.

6. All materials, construction methods, testing and disinfection shall conform to the requirements of the City of Port St. Lucie Utility Systems Department and AWWA current standards.

7. PVC Water Main: The Dimension Ration (DR) and Pressure Rating shall be C900, DR-18 (Pressure 6 class 235) for 4" to 12" pipe and C 905, DR-18 (Pressure rating 235) for 14" to 24" pipe. Minimum cover shall be 36 inches, unless otherwise noted. Water mains shall be blue in color.

8. Ductile Iron Fittings: Ductile iron fittings shall be used on all PVC C900 & C905 mains. Fittings shall conform to AWWA/ANSI C153/A21.53.06 with a minimum pressure rating of 350 psi. Fittings shall be coated as specified under c.(1) (d) Coating & Linings for DIP. Fittings shall be restrained with restrained joints as per the detail.

9. Gate Valve with Box: Valves 2"and larger shall be gray or ductile iron body, conforming to AWWA C509 or C515, with mechanical joints or flanged ends, and shall be equipped with a 2" square gray or ductile iron wrench nut. Valves shall be rated for 250-psi working pressure.

10. Water/Sewer lines shall be laid on undisturbed ground, compacted to 98% of maximum density in accordance with AASHTO T-180. Backfill shall be compacted to 98% of maximum density in accordance with AASHTO T-180. The contractor shall submit certified density tests on each 12" lift.

11. The contractor shall contact the Engineer of Record, the appropriate governmental jurisdictional agency and all utility companies at least 48 hours prior to commencement of construction for coordination of any utilities. The contractor shall schedule a pre-construction meeting with the Engineer, Port St. Lucie Utilities Systems Department and the City of Port St. Lucie Engineering Department a minimum of ten (10) working days prior to starting construction.

12. Areas to be open cut shall be overlaid within the limits of the open cut as indicated in the plans.

13. Minimum cover shall be 36" for water mains.

4. POTABLE WATER DISTRIBUTION SYSTEM

1. The contractor shall repair or replace any damage caused by construction activity. Disturbed areas shall be restored to their original condition. Any disturbed areas within Public rights-of-way shall be sodded. All other unpaved and unsodded areas disturbed during the construction shall be seeded and mulched in accordance with Section 570 of the Florida Department of Transportation specifications.

2. Existing utilities shall be field verified and protected by the contractor.

3. The contractor shall tap existing lines under the supervision of Port St. Lucie Utilities Systems Department only after preliminary testing and disinfection has been completed and approved.

4. Water main shall be marked by the use of continuous Blue wire per the PSLUSD's Qualified Product list (QPL)

5. Service taps (Bacteria Sample Points (BSP)) shall be placed approximately ten feet away from gate valves, as shown, for testing. Following testing and sterilization of waterline, the Contractor shall place a brass plug in all corporation stops which were used as BSP's and remove the tubing and curb stops.

6. Mechanical restraints to be used on all fittings. No thrust blocks are to be utilized within the system.

7. Hydrostatic and leakage tests shall be made between valves and/or connectors for each section tested using the procedure outlined in ANSI/AWWA C600 for DIP and C605 for PVC.

   Allowable leakage formula:

$$L = \frac{SD\sqrt{P}}{148{,}000}$$

   Where:
   L = Allowable leakage in gallons per hour
   S = Length of pipe tested in feet
   D = Nominal diameter of the pipe in inches
   P = Average test pressure maintained during test in pounds per square inch gauge

8. Water main shall be disinfected and approved in accordance with the latest applicable Florida Department of Environmental Protection and AWWA requirements (AWWA C-651).

9. All crossings will be inspected by the PSLUSD prior to backfilling.

5. WASTEWATER COLLECTION AND TRANSMISSION SYSTEM

Materials, trench excavation, pipe-laying and backfilling operations shall meet the requirements of FDOT Sections 125 and 430. Pipe shall be laid in true alignment in a dry pipe trench with an adequate supporting value. If normal dewatering efforts fail as specified in FDOT Section 430, a minimum six inch compacted rock bed shall be used. All backfill shall be compacted to a minimum density of 95 percent of the maximum density as determined by AASHTO T-180, unless otherwise shown on the plans. Pipe laying shall proceed upgrade with spigot ends pointing in the direction of the flow.

1. 8" PVC Sanitary Sewer Main: 8" PVC sewer main shall meet the requirements of ASTM D-3212 for SDR 26. Minimum cover shall be 48 inches, unless otherwise noted. Sewer mains shall be green in color or marked as approved by PSLUSD.

2. Sanitary Manhole:

   A. Manhole interior shall be lined as detailed and specified by the manufacturer. The minimum inside diameter of manholes shall be 48". Non-penetrating lift pin inserts shall be installed by pre-cast Fabricator. Pre-cast reinforced manholes shall be in accordance with ASTM C478, Class II, made with Type II acid resistant cement, shall attain a minimum compressive strength of 4000 psi in 28 days. The liner system shall be cast integrally into the manhole, pre-cast concrete surrounding it, with alignment/grade of channels/1 openings for connecting pipes matching drawing requirements. Liner integrally formed bell gaskets shall comply with ASTM F477 Standard Specification for Elastomeric Seal (Gaskets) for Joining Plastic Pipe. Installation of pre-cast manholes shall comply with the details shown in the Construction Standards and in accordance with the manufacturer's recommendations.

   B. Manhole frames and covers shall be ductile iron or gray cast iron traffic rated heavy duty conforming to ASTM Designation A48, Class 30 and on the Qualified Product List. Covers shall be marked with the word "SANITARY SEWER" in 2" raised letters. Frames and covers shall be set to the correct finish grade elevation.

   C. The base slab and first ring of the pre-cast manhole shall be cast monolithically.

   D. Lift holes shall be grouted once the manhole is in place.

3. Sanitary Drop Manhole: Drop manholes shall meet the requirements of PSLUSD and shall be constructed in the locations, elevations, and dimensions as shown on the plans. Manholes shall be set plumb to line and grade and shall rest on a carefully graded, uniform bearing base.

4. Service Connection: Sewer services shall meet the requirements of PSLUSD and shall be 6 inch PVC Schedule 40 with a minimum slope of 1/8 per foot of run. Sewer services shall terminate and be plugged water tight at the back of the right-of-way or utility easement line at a depth of three feet. The sewer service shall be marked with a treated stake and electronic marker. The Contractor is not responsible for installation of meters.

5. PVC Force Main: PVC force main shall meet the same requirements as PVC water main. Minimum cover shall be 36 inches, unless otherwise noted. Force mains shall be white in color and marked with red tape or marked as approved by the Owner. The price of ductile iron fittings, meeting the requirements ANSI A21.10 (AWWA C-100), shall be included in this cost. Fittings shall be restrained with restrained joints and/or thrust blocks of poured in place concrete as per the water distribution details.

6. Testing: The Contractor shall visually inspect all gravity sewer mains to verify conformance to the requirements of PSLUSD with the aid of mirrors and lights. This inspection shall be performed after the completion of all manholes, connection of all services and all compaction efforts, but prior to paving. A full pipe diameter shall be visible between all manholes. The Contractor shall repair or replace any portion that does not meet the specifications at his own expense.

8. PSLUSD SEPARATION NOTES: (SEE PSLUSD DET G-01 SHEET 20)

1. Water mains shall cross over other pipes unless not feasible. Sewers and force mains should cross under water mains whenever possible. Sanitary sewers, force mains and storm sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches between the invert of the upper pipe and the crown of the lower pipe whenever possible. All crossings shall be arranged so that the sewer pipe joints and the water main pipe joints are equidistant from the point of crossing (full length of pipe centered on the crossing).

2. A minimum 10-foot horizontal separation shall be maintained between any type of sewer and water main in parallel installations whenever possible. In cases where it is not possible to maintain a 10-foot horizontal separation, the water main must be laid in a separate trench or on an undisturbed earth shelf located on one side of the sewer or force main at such an elevation that the bottom of the water main is at least 18 inches above the top of the sewer.

3. Maximum obtainable separation of reclaimed water lines and domestic water lines shall be practiced. A minimum horizontal separation of five feet (outside to outside), shall be maintained between reclaimed water lines and either potable water mains or sewage collection lines. A minimum vertical clearance of 18 inches must be maintained between reclaimed water lines and potable water mains or sewage collection lines. At crossings, provisions of FAC Rule 17-604 and 10 States Standards apply.

4. All potable water, wastewater, and reclaimed water facilities shall be located a minimum 5 feet horizontal (from edge of facility) from other public utilities, privately owned irrigation mains, drainage lines, drainage structures, power poles, and light poles.

5. A minimum of 10 feet horizontal separation is also required from structures, buildings, walls, fountains, and fences unless specifically approved by the PSLUSD in writing.

6. TV cable, phone lines and irrigation lines shall cross Department's facilities with a minimum of 12 inches vertical clearance.

7. Gas mains and electric power cables shall cross PSLUSD facilities with a minimum of 18 inches vertical clearance.

THE WORK

Existing Utilities and Structures:

Existing utilities, structures and facilities shown on the Drawings were located as accurately as possible from the records examined. No guarantee is made that all existing facilities are shown or that those shown are entirely accurate. The Contractor shall assure himself of the actual location of the utilities, structures, or facilities prior to performance of any work in the vicinity. The utility companies or utility agencies will co-operate with the Contractor's operations. Prior to start of the work, the Contractor shall request each utility agency to advise him of the location of their facilities in the vicinity. The Owner will assume no liability for damages sustained or cost incurred because of the Contractor's operation in the vicinity of existing utilities or structures, or to the temporary bracing and shoring of same. In the event that it is necessary to shore, brace, or swing a utility, the utility company or department affected should be contacted and their permission secured as to the method used for any such work.

Restoration of Damaged Structures or Utilities:

It shall be the responsibility of the Contractor to repair, rebuild or restore to its former condition, any and all portions of existing utilities, structures, equipment, appurtenances or facilities, other than those to be paid for under this Contract, which may be disturbed or damaged due to this construction operation, at no cost to the Owner.

Final Cleanup:

Upon completion of the work, but before final payment will be made, the Contractor shall clear and remove from the Project area, all falsework, equipment, surplus and discarded materials, rubbish and temporary structures which result from the work under this Agreement, and shall restore in an acceptable manner, all property which has been damaged during the prosecution of the work.

Record Information:

Upon completion of the work, but prior to submittal of the request for final payment, the Contractor shall obtain and submit record information to the Owner. This information shall include the following:

1. Water and Wastewater Systems:

   As-built plans for water/sewer mains shall be provided by the Contractor/Engineer of Record and shall be comprised of three (3) blueline copies of a certified survey. The blueline copies shall bear the original signature and embossed seal of the surveyor who performed the as-built survey. The as-builts shall be submitted after the completion of construction or as otherwise indicated herein, prior to submittal to Port St. Lucie Utilities Systems Department. The as-built survey shall be prepared in plan and profile format by a professional land surveyor registered in the State of Florida, and shall comply with applicable provisions of the Florida Administrative Code and Chapter 472 of the Florida Statutes. The as-built drawing shall be at the same scale and reference the same baseline as the drawings prepared by the Engineer of Record. The horizontal and vertical location of the mains and appurtenances shall be accurately depicted to scale and shall be identified relative to the baseline and relative to readily identifiable permanent reference points existing after the completion of the construction. Locations shall be shown for all fittings, valves, hydrants, manholes, sample points, air releases, etc., both horizontal and vertical, and the location of the main at each baseline station as shown on the plans (100 feet maximum) both horizontal and vertical. Underground facilities (i.e. drainage, gas, electric, telephone, etc.) crossing the mains shall be accurately shown both horizontally and vertically and shall identify size, type, facility, material, and clearance. All information shall be based upon measurements and observations made in the field by the surveyor certifying the survey, or by personnel under his employment, direction and supervision. The cost for preparing and maintaining the as-built plans shall be incidental to the construction cost.

2. Drainage System:

   a. High points and low points of swales;

   b. Locations and grate and invert elevations of all structures;

   c. Location, size, type, length and invert of all culverts.

3. Paving and Grading:

Location and elevation of high and low points in roadway and any other changes in grade.

The record information shall be certified by a Florida Professional Land Surveyor. Locations shall be made by reference to centerline stationing and offset or by other means acceptable to the Owner. Elevations shall be according to the North American Vertical Datum (NAVD).

Guarantee: All materials and the installation thereof which are furnished and installed by the Contractor, under the terms of the Agreement, shall be guaranteed by the Contractor against defective workmanship, mechanical and physical defects, leakage, breakage, and other damages and failure under normal operation for a period of one (1) year from the date of final payment, said date to constitute the commencement of the one (1) year warranty period. All materials and installations proving to be defective within the specified period of the guaranty shall be replaced, without cost to the Owner, by the manufacturer or the Contractor. The period of guarantee of each such replacement shall be from and after the date of installation thereof.

UTILITY CONTACTS

Company	Contact	Telephone Numbers
PSLUSD	Laney Southerly, PE	(772) 873-6400
Florida Power & Light	Patricia Blardinelli	(772) 337-7011
Comcast Cable	Rick Johnson	(561) 402-4513
AT&T	Ivan Arill	(772) 460-4441
Florida City Gas	Ron Muller	(321) 638-3424

GENERAL NOTES

1. Grassing shall be furnished and installed in conformance with the approved landscape plan. All disturbed areas not shown to be planted, mulched, etc. shall be sodded.
2. Sod shall be placed such that the top of the grass is at the same elevation as the top of adjacent finish grade.
3. The location of existing utilities shown is approximate only and must be field verified by the Contractor prior to beginning Work.
4. These plans shall not be used for construction unless they are marked "Approved for Construction".
5. Contractor to obtain and review all permits prior to starting construction
6. Drawing scale may change due to reproduction
7. Maintenance of traffic must be in conformance with FDOT Specifications.
8. All nuisance exotic vegetation on-site must be removed in conjunction with site development. Contractor is to confirm limits of preserve areas appropriately prior to starting construction.

CODE REVIEW:

CERTIFICATE:

spiezle

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VERO BEACH, FL 32960
PHONE: 772-794-2929

SIGNATURE:

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

ADDENDUM 1 - 12-20-2024

PROJECT:

ST. LUCIE WEST GROVE K-8 SCHOOL

SW POWERLINE RD AND TRADITION PARKWAY PORT ST. LUCIE, FL 34986

FOR

ST. LUCIE SCHOOL DISTRICT

9461 BRANDYWINE LANE, PORT ST. LUCIE, FL 34986

FOR CODE REVIEW: TBD

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: TBD

DRAWING TITLE:

SPECIFICATIONS

COMMISSION NUMBER:

24K054

CPSL PROJECT # P24-176
PSLUSD PROJECT # 5000-28
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

C700

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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