

# CIVIL PLANS BID SET

# PSL MUNICIPAL COMPLEX

# PARKING EXPANSION

## CITY OF PORT ST. LUCIE, FLORIDA



NO. REVISION DATE  
 PERMIT SET 06/28/2024  
 CONSULTANT:

### LEGAL DESCRIPTION

TRACT F, PORT ST. LUCIE SECTION EIGHTEEN, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 13, PAGE(S) 17, OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.

LOTS 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 18, 19, AND 20 BLOCK 688, PORT ST. LUCIE SECTION EIGHTEEN, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 13, PAGE 17, PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.

LOTS 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, AND 18 BLOCK 689, PORT ST. LUCIE SECTION EIGHTEEN, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 13, PAGE 17, PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA.

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C-9	DETAILS

### REGULATORY AGENCIES:

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 Utilities Department (PSLUSD)  
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 Port St. Lucie, FL 34984  
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 Phone: (772) 871-7313  
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### DEVELOPMENT TEAM:

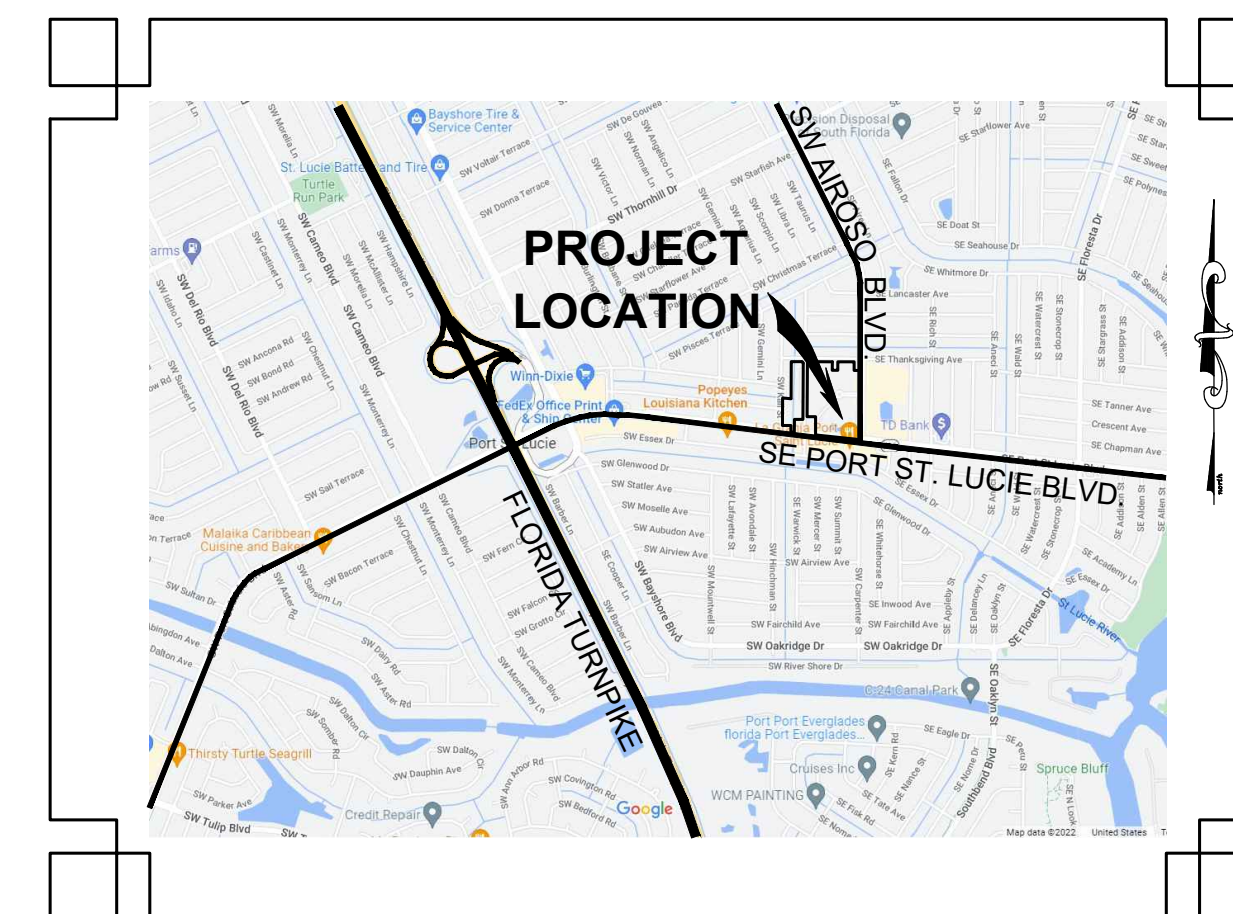
**Owner / Developer**  
 City of Port St. Lucie  
 121 SW Port St. Lucie Blvd.  
 Port St. Lucie, FL 34984

**Surveyor**  
 Bowman Consulting  
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 Phone: (772) 283-1413

**Architect**  
 CPZ Architects  
 4316 West Broward Boulevard  
 West Palm Beach, Florida 33406  
 Phone: (954) 792-8525

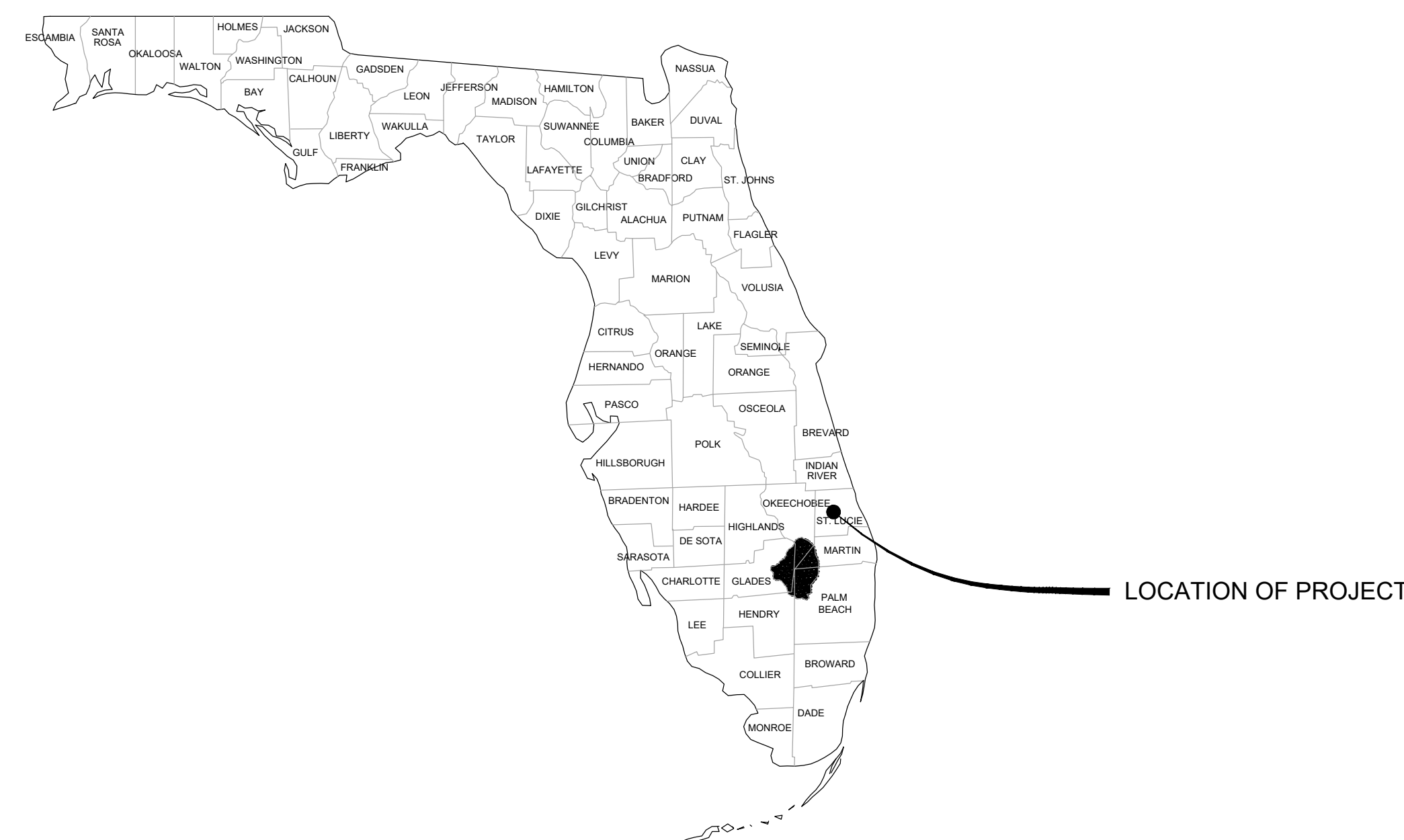
**Engineer**  
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 301 SE Ocean Drive, Suite 301  
 Stuart, FL 34994  
 Phone: (772) 283-1413

GOVERNING STANDARD PLANS AND SPECIFICATIONS:  
 FDOT STANDARD PLANS - FY 2023-2024  
 CITY OF PORT ST. LUCIE ENGINEERING STANDARDS FOR LAND DEVELOPMENT



**LOCATION MAP**  
 NOT TO SCALE

121 SW PORT ST. LUCIE BLVD.,  
 PORT ST. LUCIE 34984



GOVERNING STANDARD PLANS AND SPECIFICATIONS:  
 FDOT STANDARD PLANS - FY 2023-2024  
 CITY OF PORT ST. LUCIE ENGINEERING STANDARDS FOR LAND DEVELOPMENT

Port St. Lucie City Hall  
 PSL Municipal Complex Parking Expansion  
 121 SW Port St. Lucie Blvd.  
 Building A, Port St. Lucie, FL 34984  
 CPZ ARCHITECTS, INC.  
 4316 WEST BROWARD BOULEVARD  
 WEST PALM BEACH, FLORIDA 33417  
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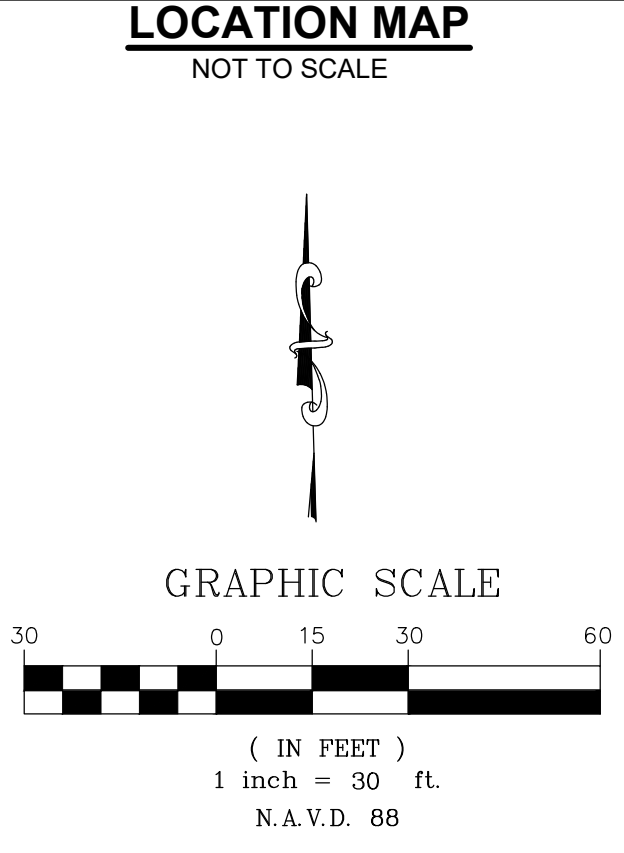
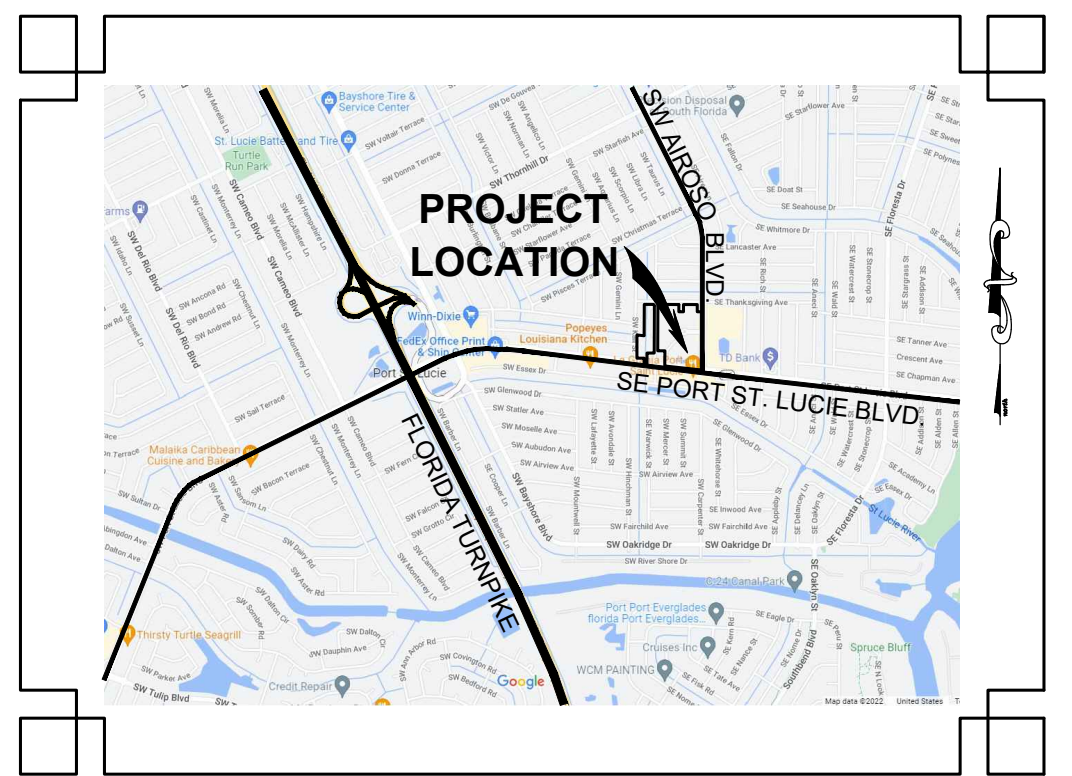


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 CHECKED OR  
 DATE 06.28.24  
 SCALE AS NOTED  
 PRJCT# P22-339-A2  
 SHEET:



OCTAVIO "OATS" REIS, P.E.  
 FLORIDA LICENSE NO. 65661

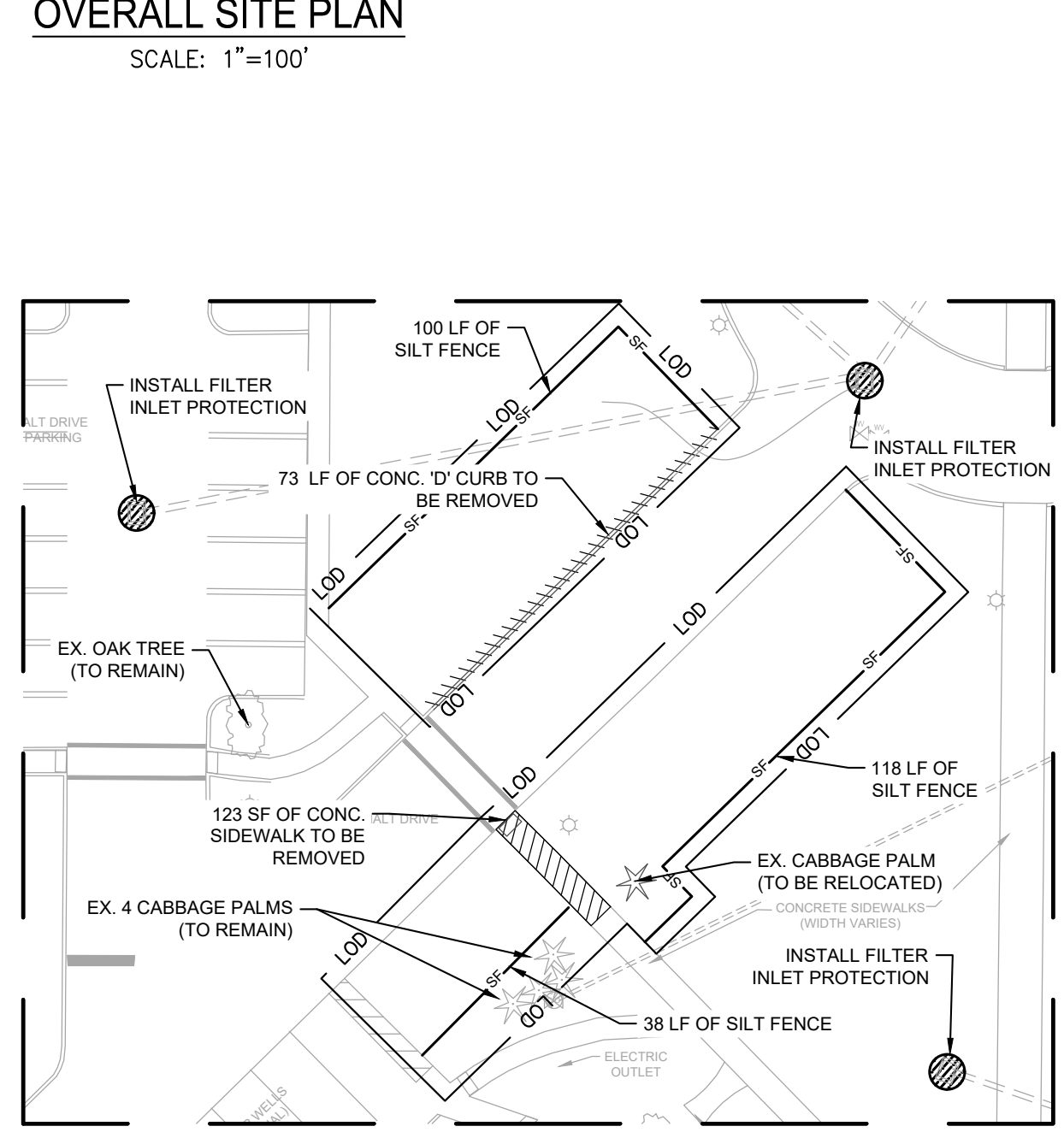
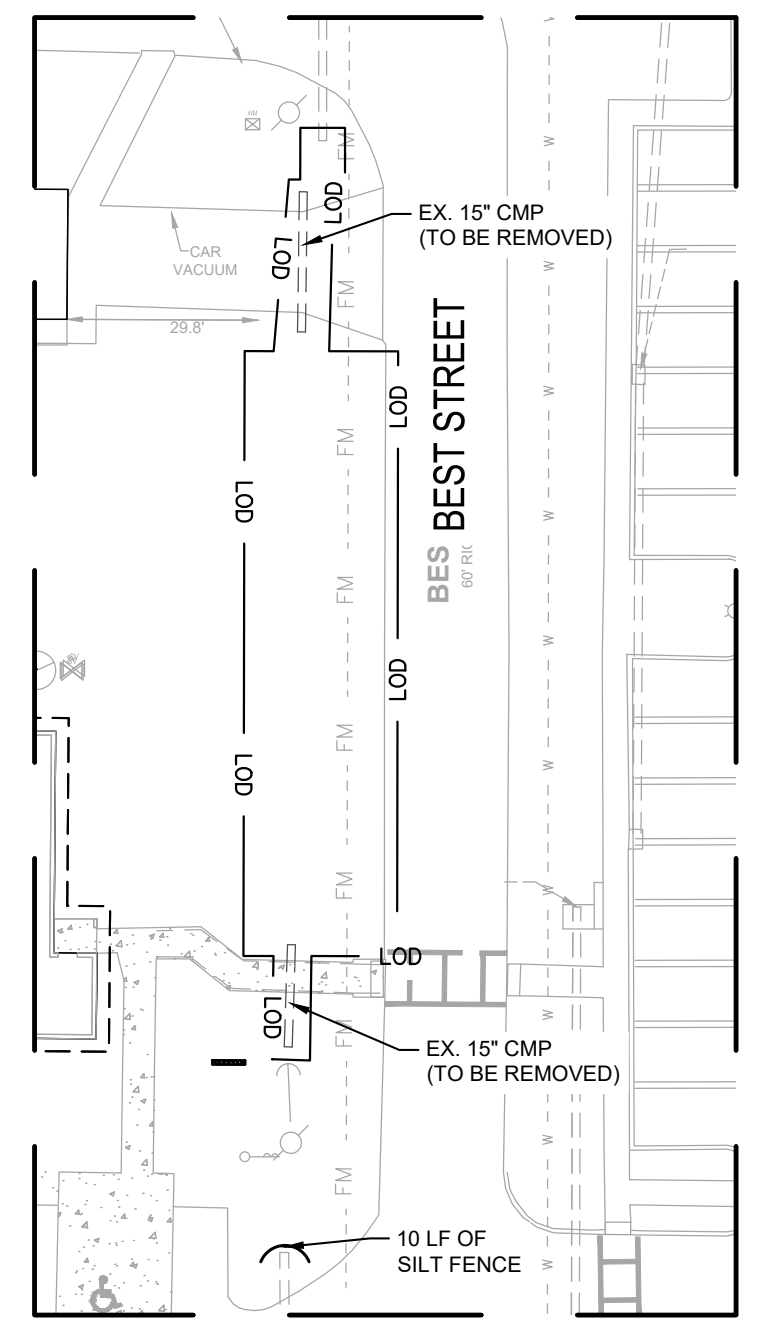
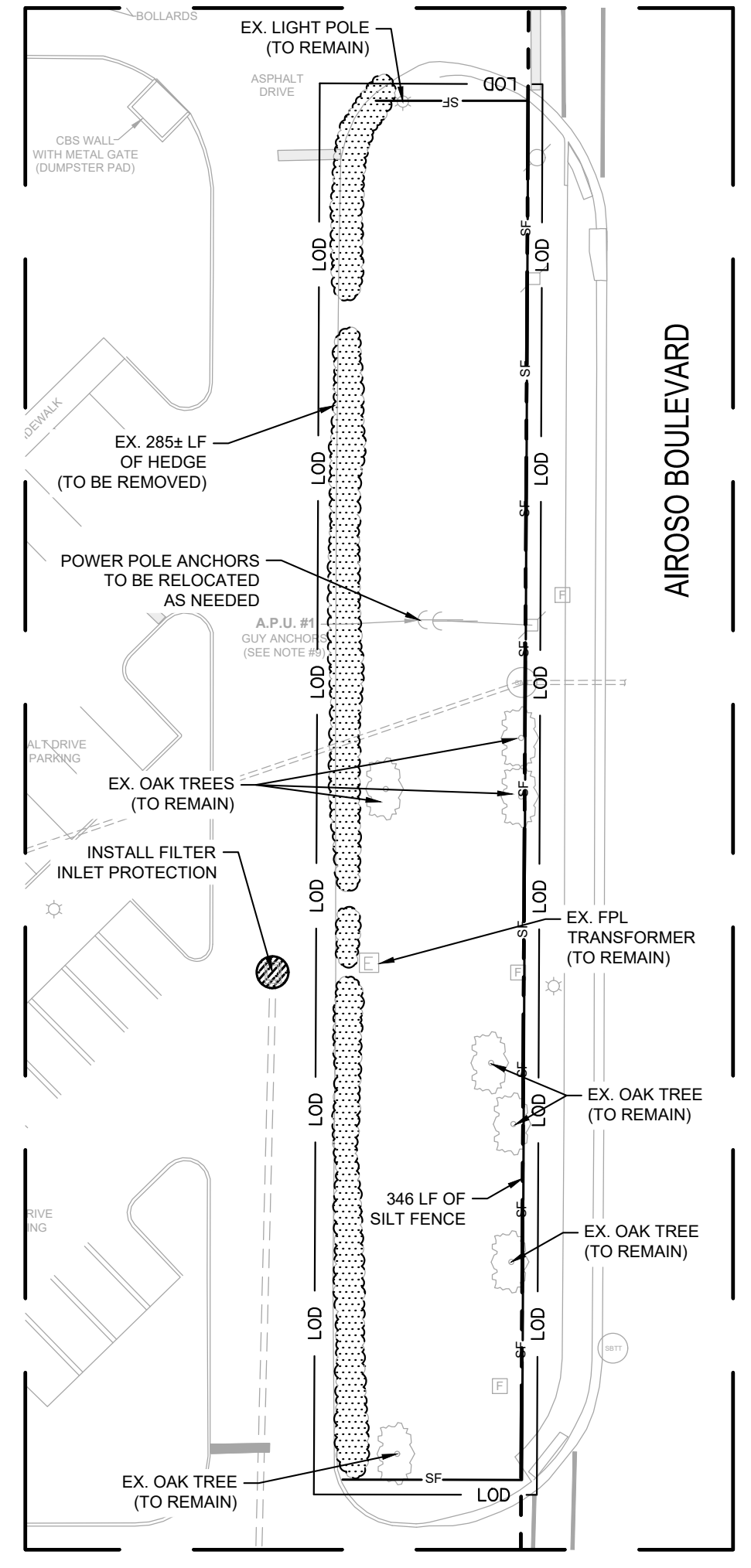
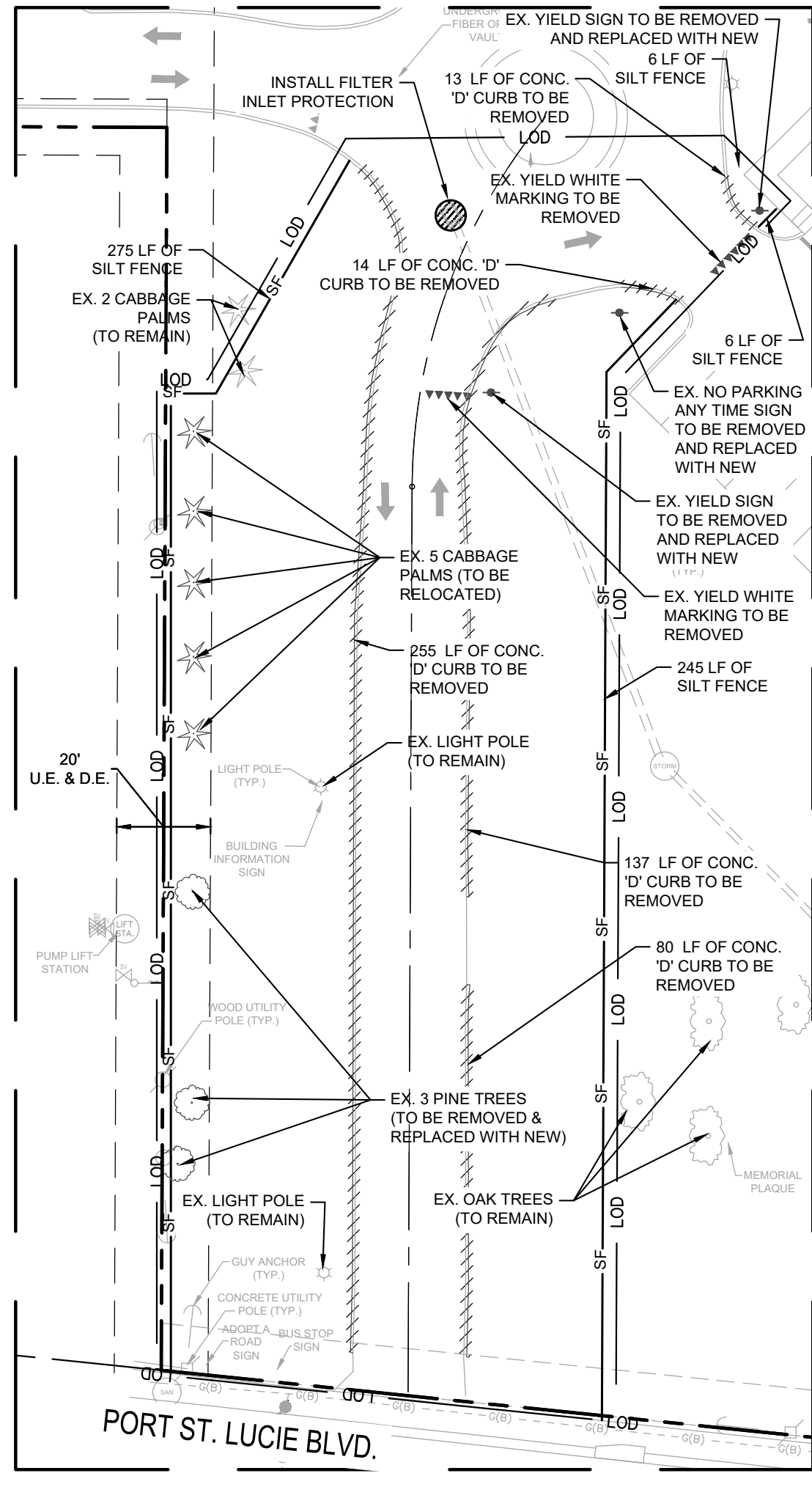
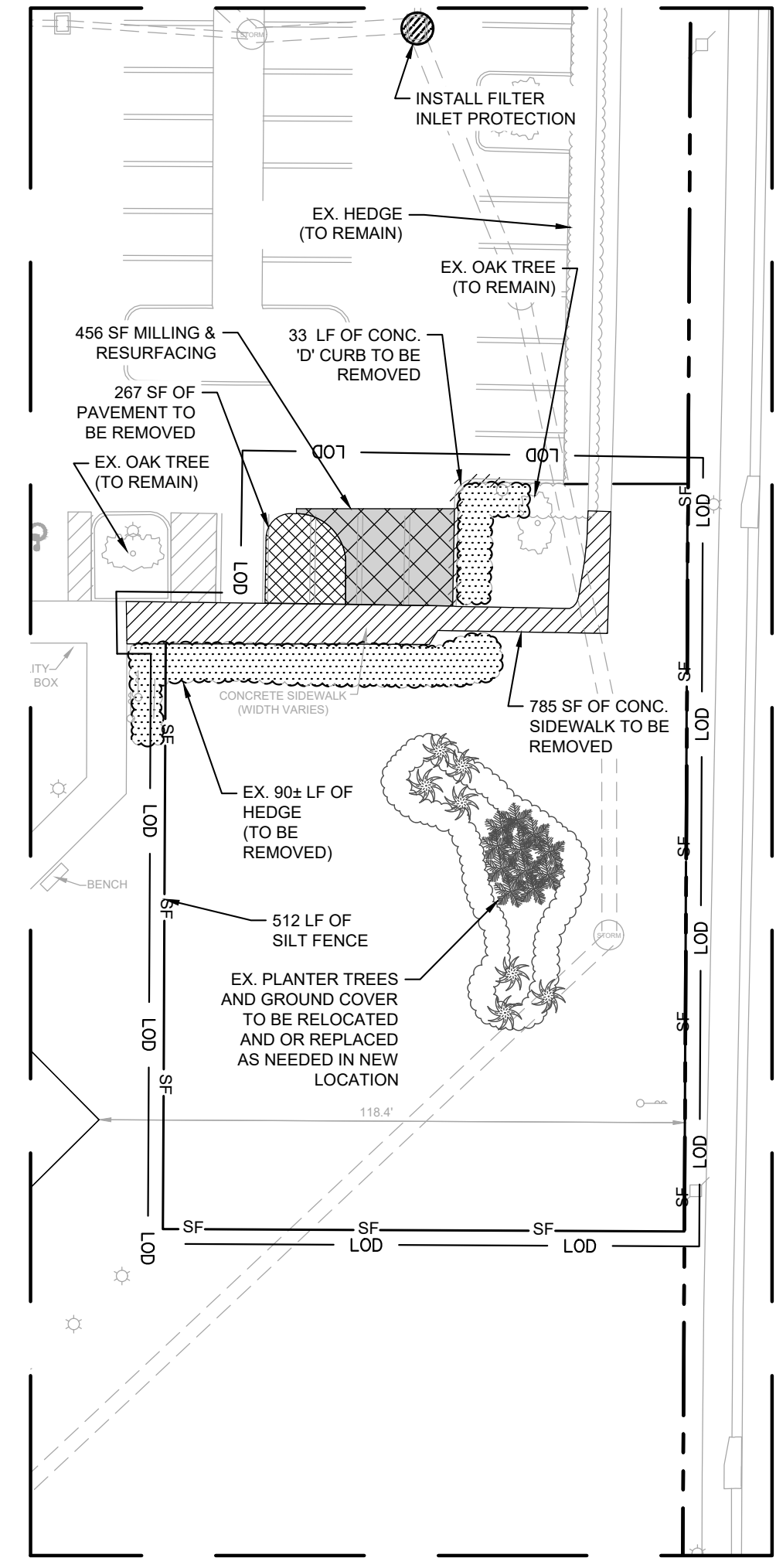
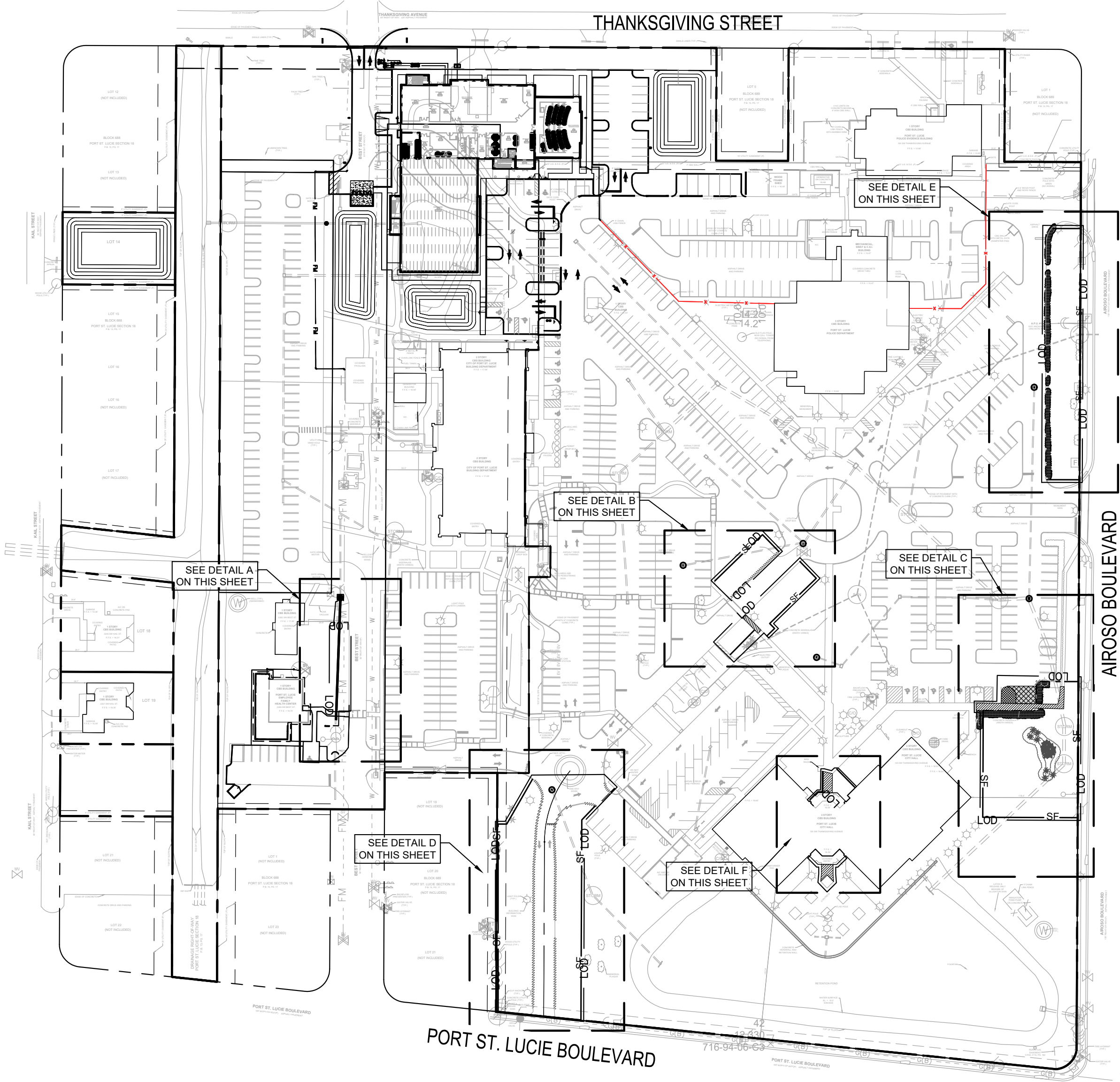
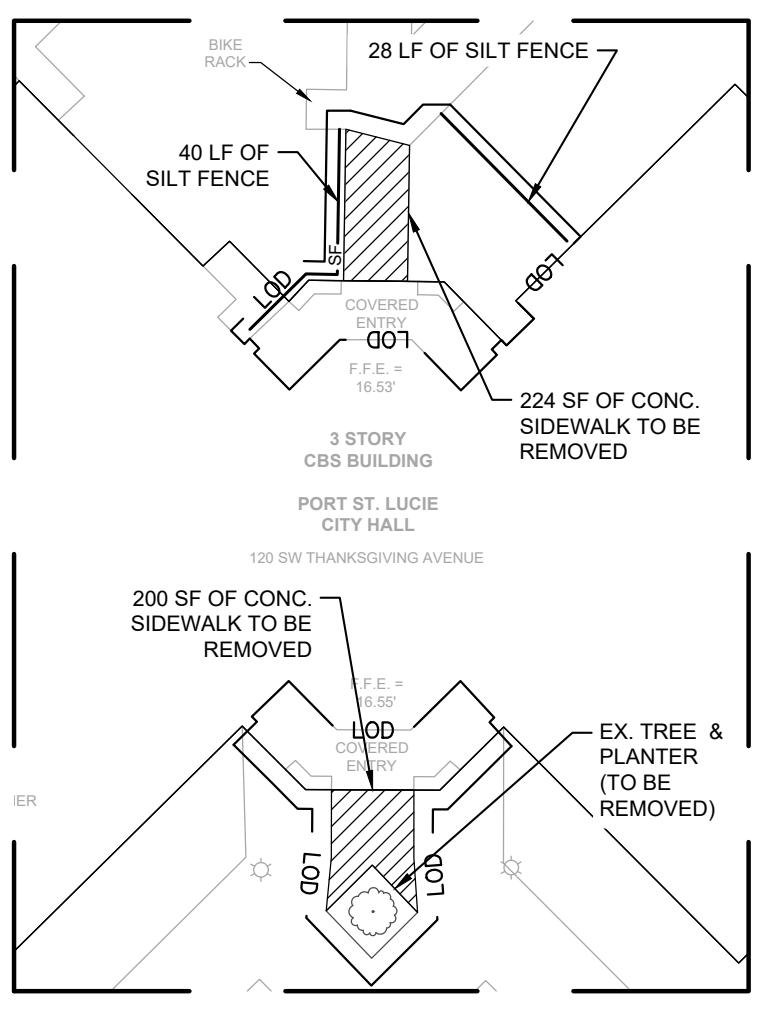
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LEGEND		
EXISTING	PROPOSED	
		= PROPERTY BOUNDARY
		= PHASE BOUNDARY
		= EASEMENT
		= PARCEL LINE
		= NUMBER OF PARKING SPACES
		= LIGHT POLE
		= SIGN
		= FDC W/ SIGN
		= 5' DECORATIVE FENCE
		= 6' BUFFER WALL
		= RETAINING WALL
		= UNDERGROUND FPL (BY OTHERS)
		= SECONDARY ELCTRIC LINE
		= FIBER OPTIC CABLE (BY OTHERS)
		= TRANSFORMER
		= WATER LINE
		= SANITARY SEWER
		= DRAINAGE PIPE
		= FIRE HYDRANT
		= WATER VALVE
		= SANITARY SEWER MANHOLE
		= DRAINAGE STRUCTURE
		= CONDENSER UNITS

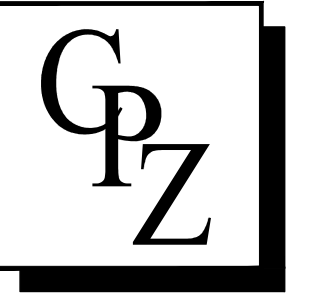
  

DEMOLITION & EROSION CONTROL LEGEND	
	= SILT FENCE
	= LIMITS OF DISTURBANCE
	= FILTER INLET PROTECTION
	= CONCRETE DEMOLITION
	= PAVEMENT DEMOLITION
	= MILLING & RESURFACING



Port St. Lucie City Hall  
 PSL Municipal Complex Parking Expansion  
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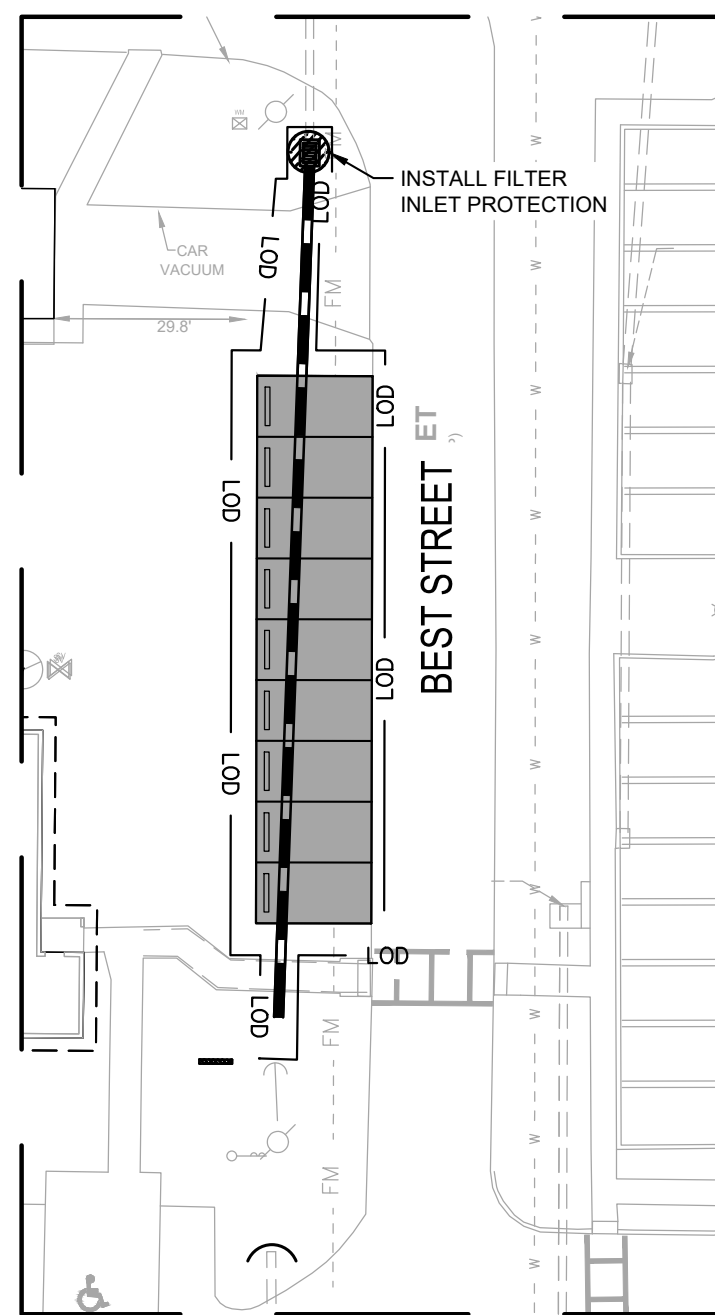
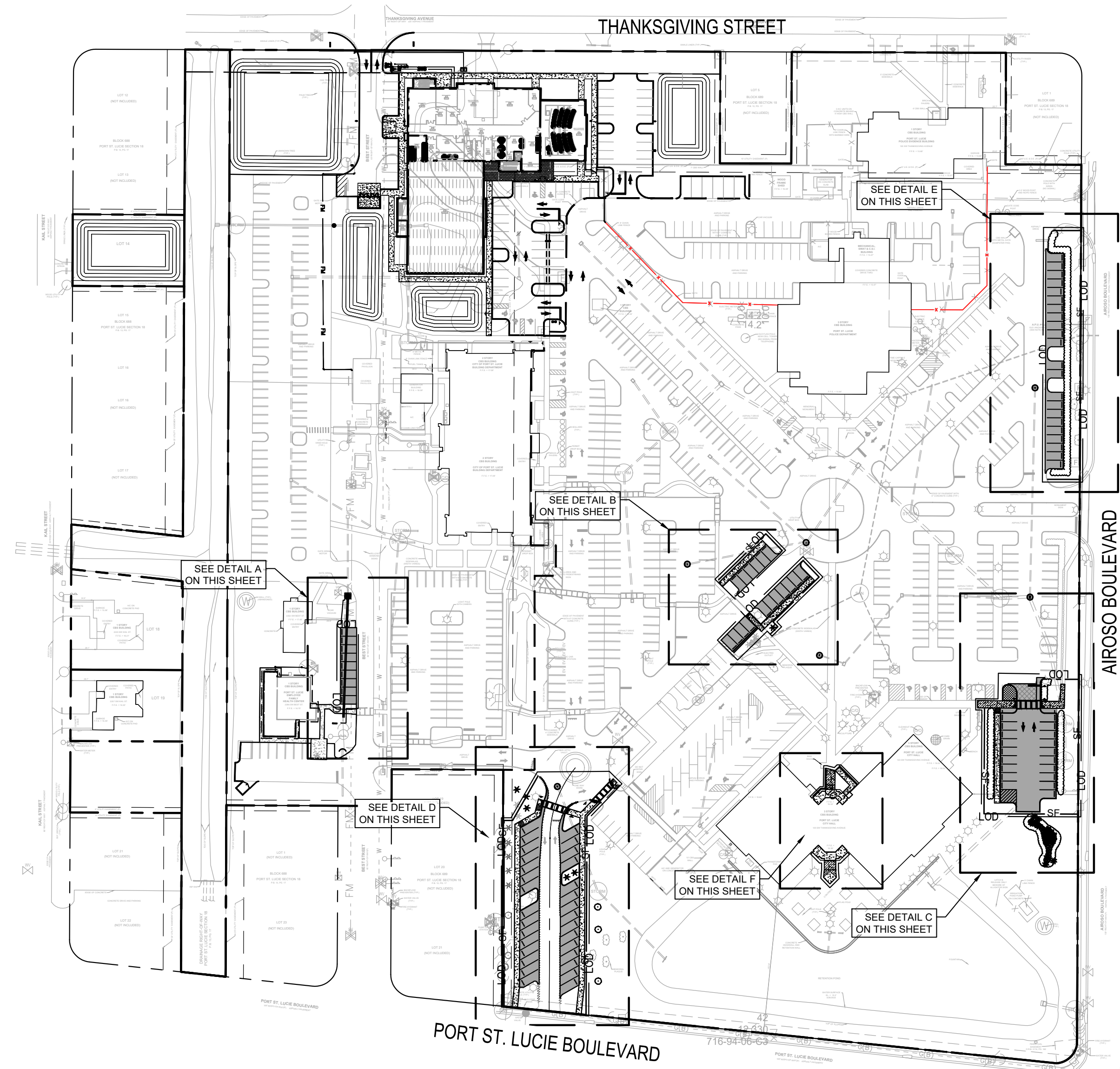


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 Plan Phase I  
 DRAWN RHO  
 CHECKED OR  
 DATE 06.28.24  
 SCALE AS NOTED  
 PRJCT# P22-339-A2  
 SHEET:



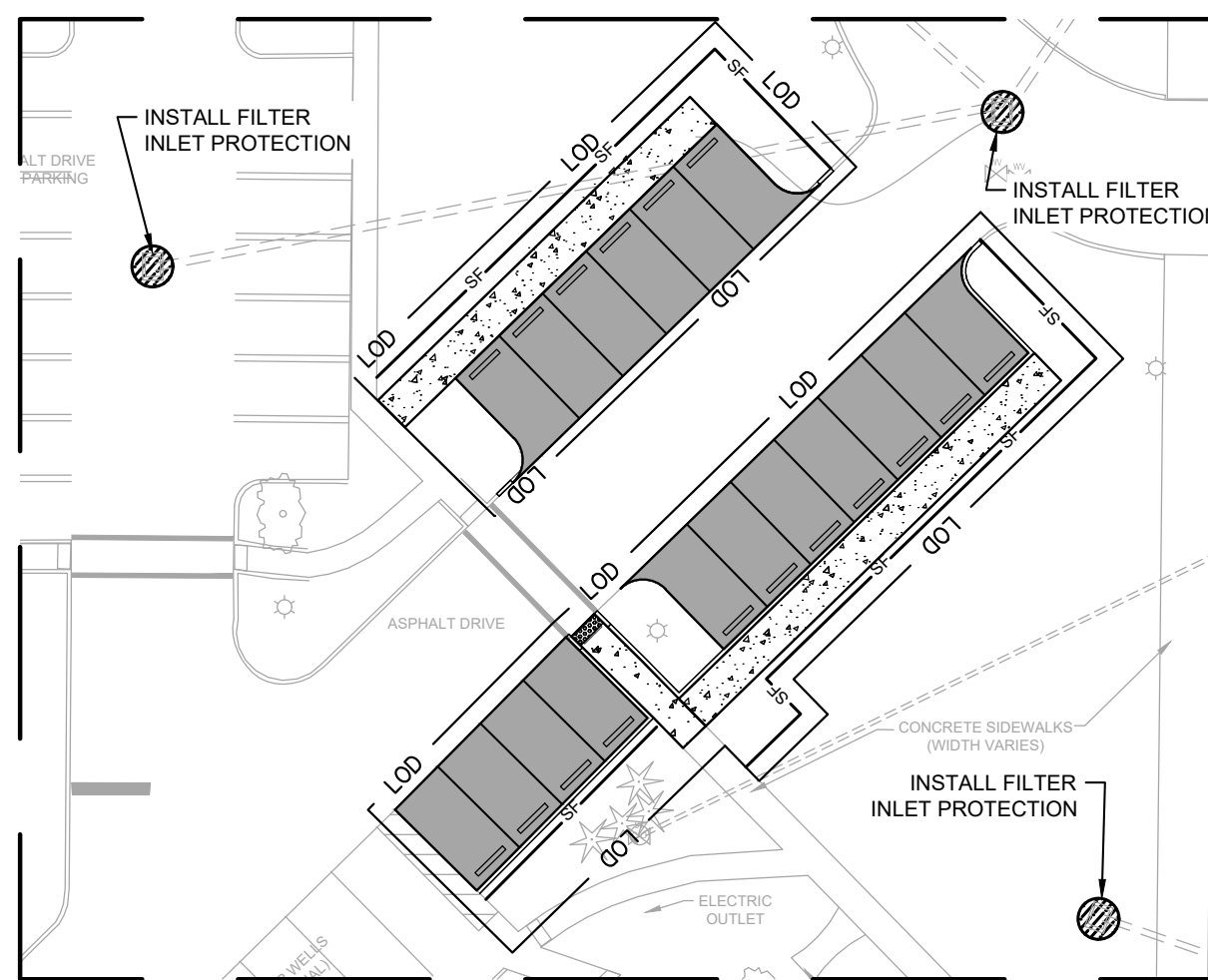
OCTAVIO "OATS" REIS, P.E.  
 FLORIDA LICENSE NO. 65661

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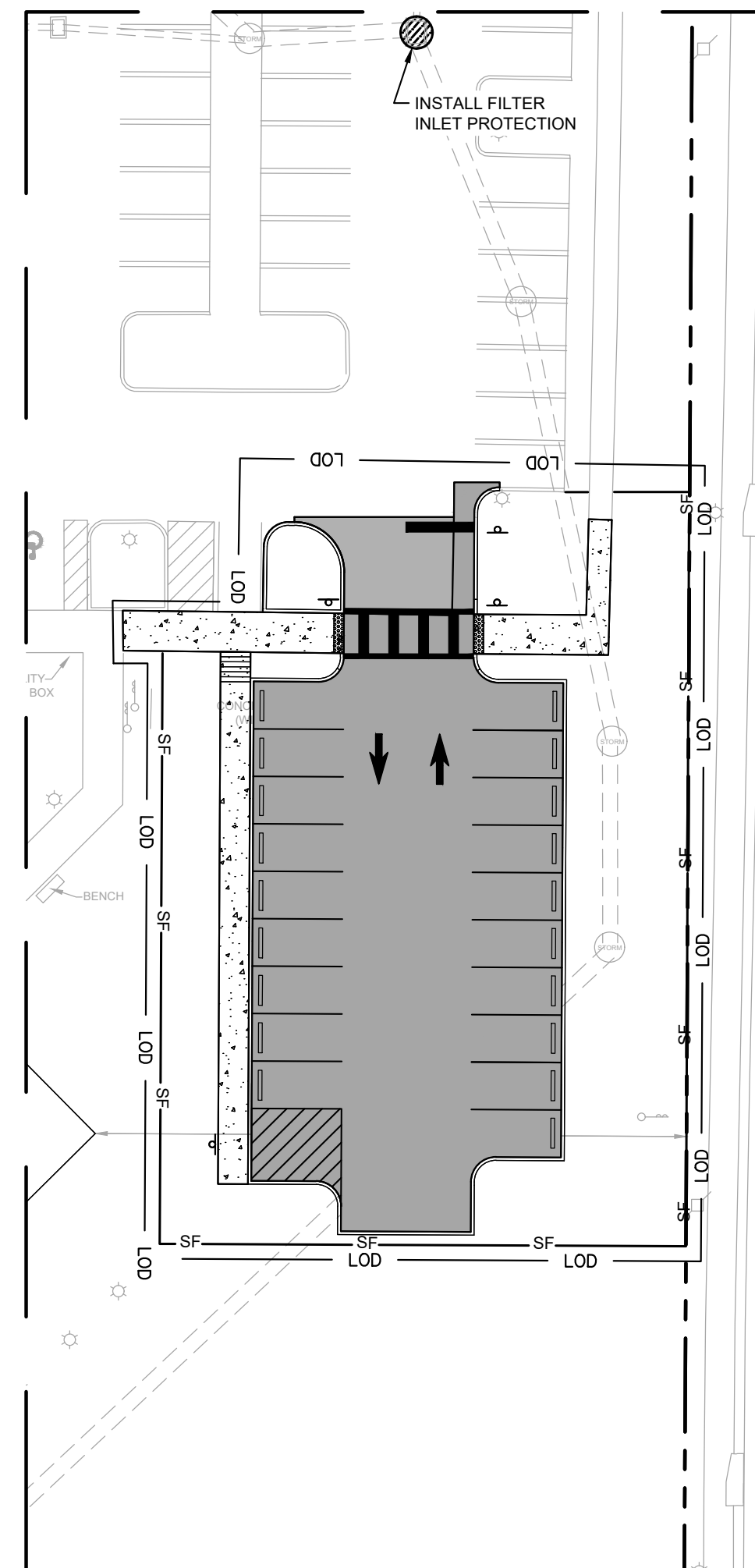


**DETAIL A**  
SCALE: 1"=30'

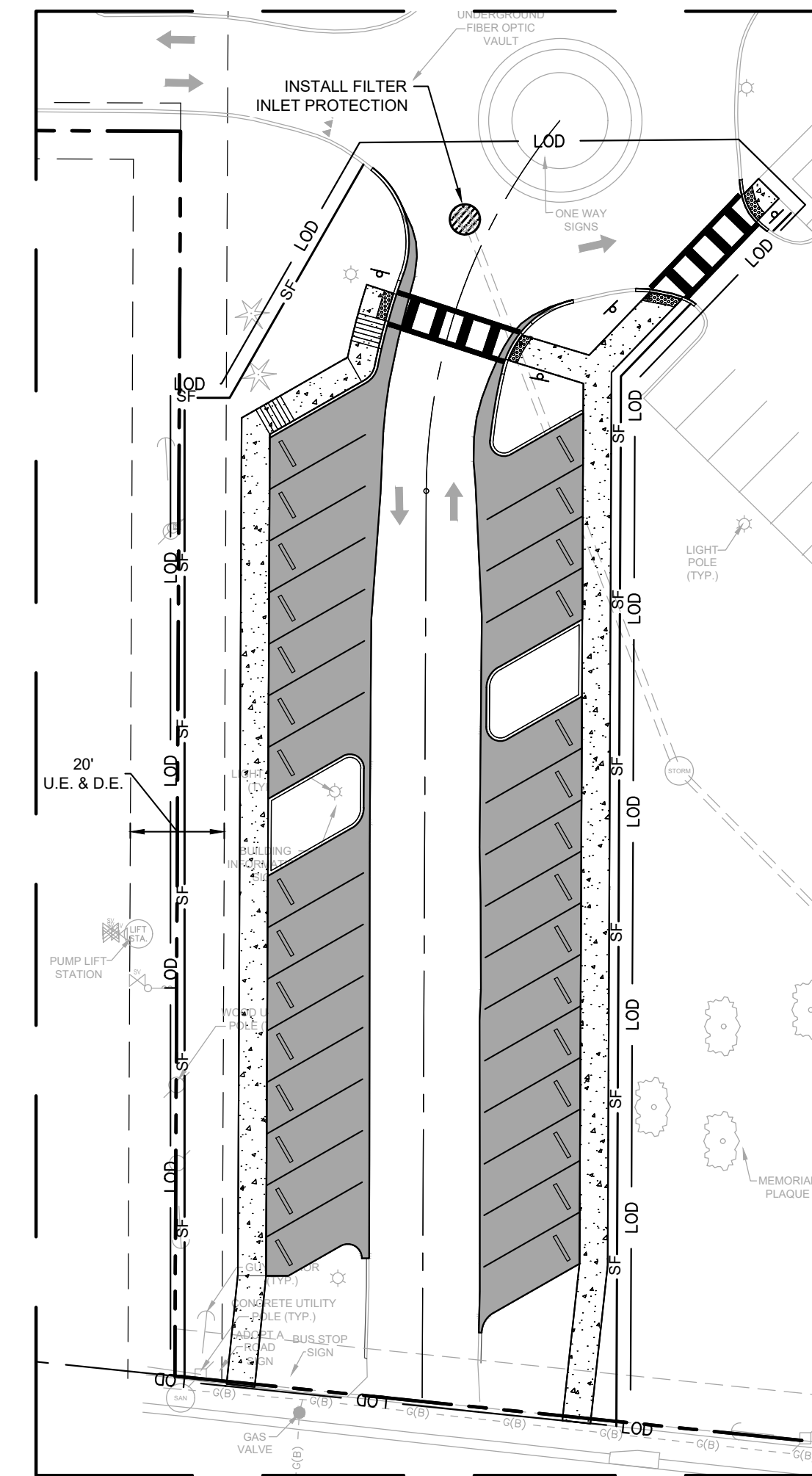
**OVERALL SITE PLAN**  
SCALE: 1"=100'



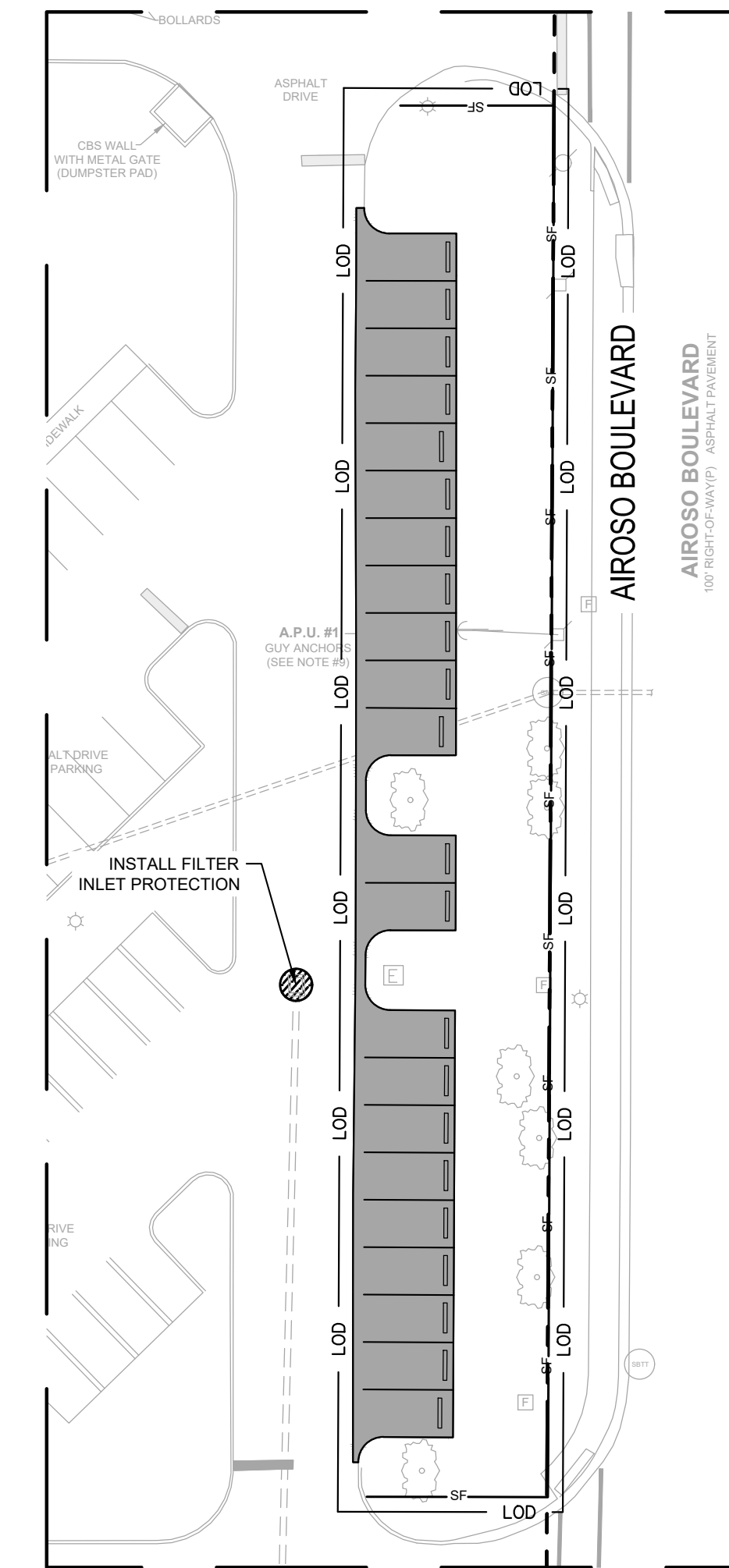
**DETAIL B**  
SCALE: 1"=30'



**DETAIL C**  
SCALE: 1"=30'



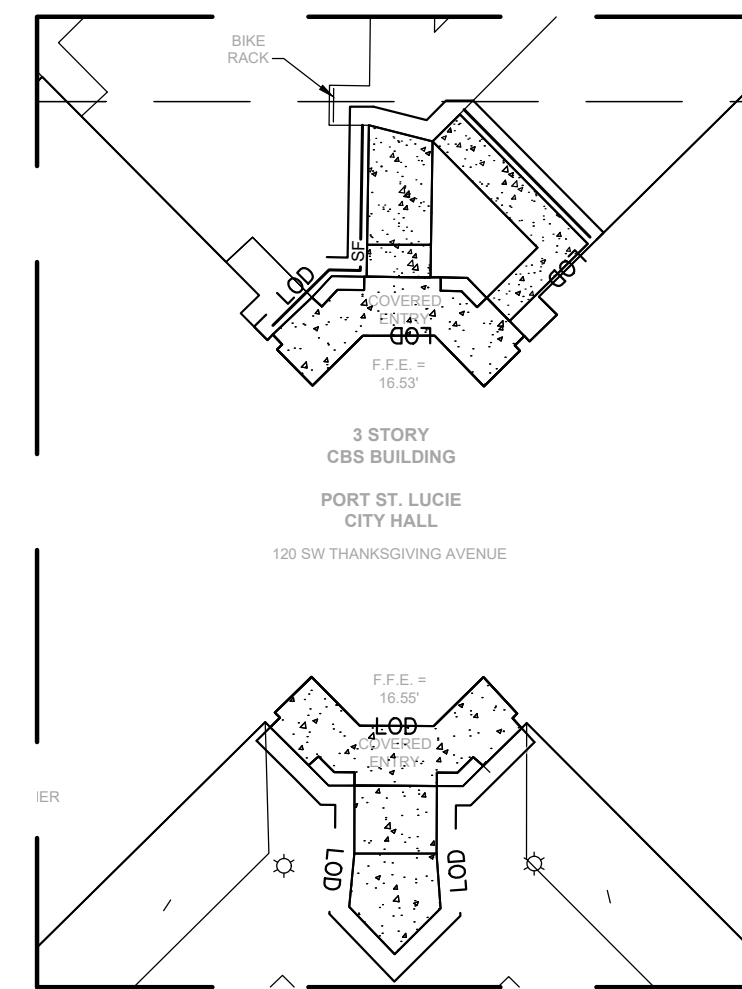
**DETAIL D**  
SCALE: 1"=30'



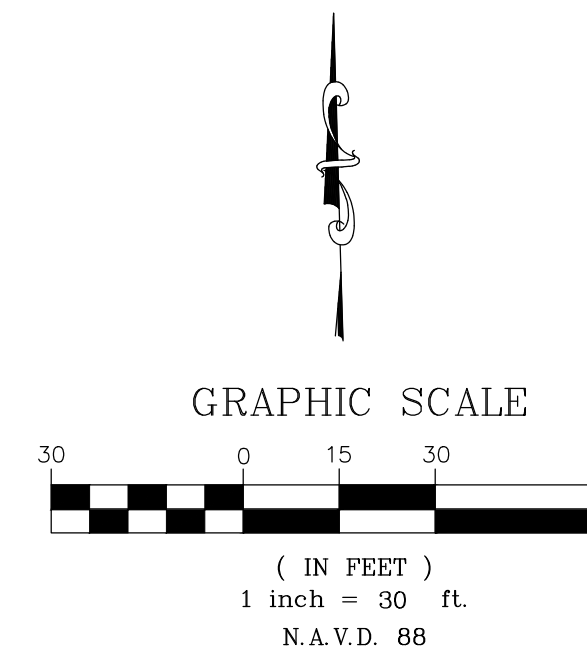
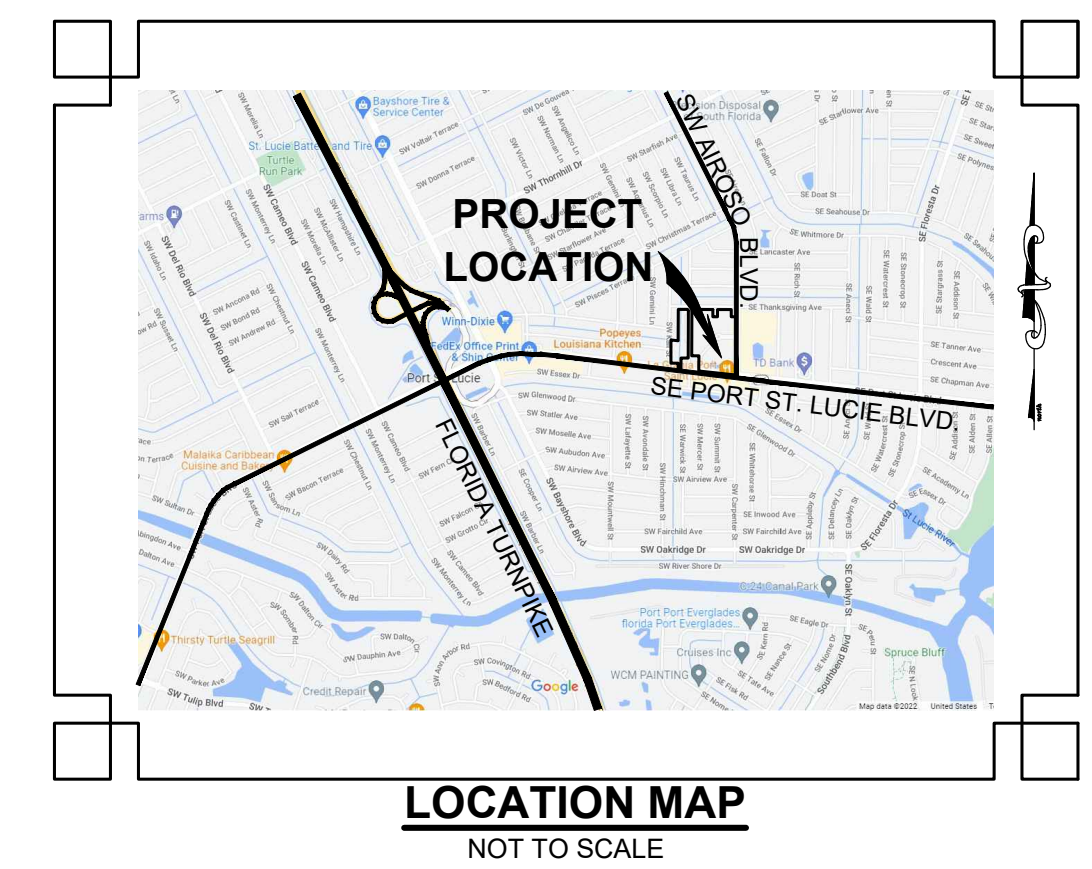
**DETAIL E**  
SCALE: 1"=30'

- LEGEND**
- | EXISTING | PROPOSED | DESCRIPTION                     |
|----------|----------|---------------------------------|
| ---      | ---      | = PROPERTY BOUNDARY             |
| ---      | ---      | = PHASE BOUNDARY                |
| ---      | ---      | = EASEMENT                      |
| ---      | ---      | = PARCEL LINE                   |
| ○        | ○        | = NUMBER OF PARKING SPACES      |
| ●        | ●        | = LIGHT POLE                    |
| —        | —        | = SIGN                          |
| —        | —        | = FDC W/ SIGN                   |
| —        | —        | = 6" DECORATIVE FENCE           |
| —        | —        | = 6" BUFFER WALL                |
| —        | —        | = RETAINING WALL                |
| —        | —        | = UNDERGROUND FPL (BY OTHERS)   |
| —        | —        | = SECONDARY ELCTRIC LINE        |
| —        | —        | = FIBER OPTIC CABLE (BY OTHERS) |
| —        | —        | = TRANSFORMER                   |
| —        | —        | = WATER LINE                    |
| —        | —        | = SANITARY SEWER                |
| —        | —        | = DRAINAGE PIPE                 |
| —        | —        | = FIRE HYDRANT                  |
| —        | —        | = WATER VALVE                   |
| —        | —        | = SANITARY SEWER MANHOLE        |
| —        | —        | = DRAINAGE STRUCTURE            |
| —        | —        | = CONDENSER UNITS               |

- DEMOLITION & EROSION CONTROL LEGEND**
- |     |     |                           |
|-----|-----|---------------------------|
| --- | --- | = SILT FENCE              |
| --- | --- | = LIMITS OF DISTURBANCE   |
| ○   | ○   | = FILTER INLET PROTECTION |



**DETAIL F**  
SCALE: 1"=30'

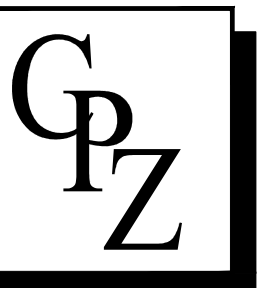


NO. REVISION	DATE
PERMIT SET	06/28/2024

CONSULTANT:

Port St. Lucie City Hall  
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DRAWING TITLE:

Erosion & Sediment Control  
Plan Phase II

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CHECKED	OR
DATE	06.28.24
SCALE	AS NOTED
PRJCT#	P22-339-A2
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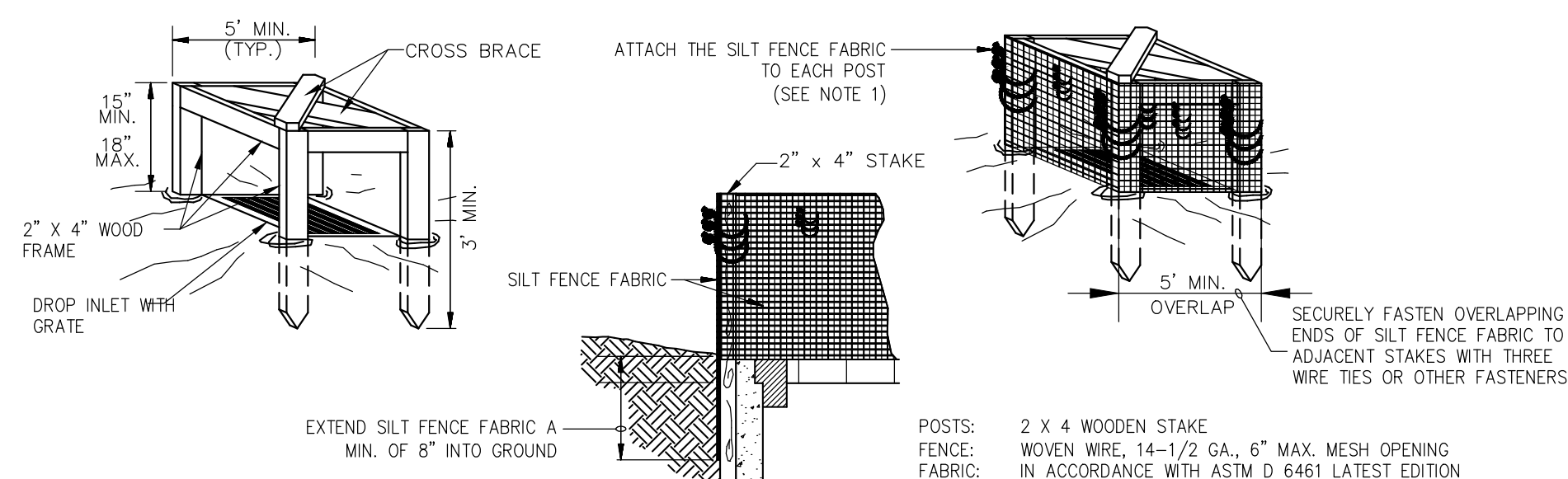
C-3

**Bowman**  
CONSULTING

PROFESSIONAL SURVEYORS AND MAPPERS, CERTIFICATE NO. LB. 8030  
BOARD OF PROFESSIONAL ENGINEERS, CERTIFICATE OF AUTHORIZATION NO. 30462

OCTAVIO "OATS" REIS, P.E.  
FLORIDA LICENSE NO. 65661

DATE: 06-28-24



NOTES:

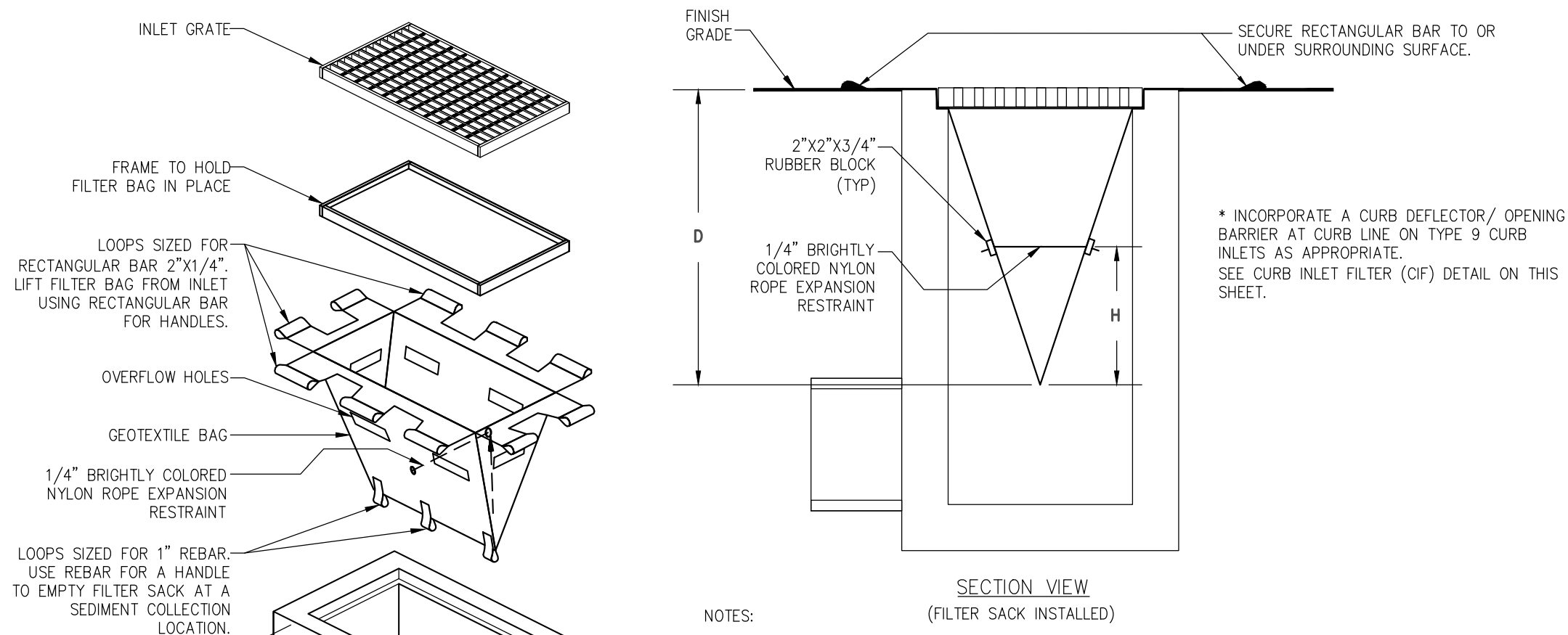
1. ATTACH THE GEOTEXTILE TO EACH POST (EVENLY SPACED AT NOT MORE THAN 30").
2. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED ACROSS TWO POSTS.
3. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE MAINTENANCE NOTES AND TECHNICAL SPECIFICATIONS. DEPTH OF ACCUMULATED SEDIMENTS MAY NOT EXCEED ONE-THIRD THE HEIGHT OF THE FABRIC.

MAINTENANCE NOTES:

1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN (IF USING INSERT-TYPE DEVICE) OR UPGRADIENT OF THE INLET.
2. REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
4. CONTACT THE ENGINEER FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPs, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

### SILT FENCE INLET PROTECTION DETAIL AT UNPAVED AREAS

N.T.S.



NOTES:

1. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
2. PLACE AN OIL ABSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
3. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
4. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
5. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

MAINTENANCE NOTES:

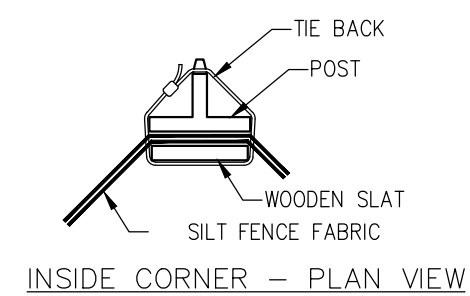
1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
4. CONTACT THE ENGINEER FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPs, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

### INLET PROTECTION FILTER SACK AT PAVED AREAS

N.T.S.



INSIDE CORNER - PLAN VIEW

Property	Test Method	Units	Supported <sup>a</sup>	Unsupported <sup>a</sup>	Type of Value
			Silt Fence	Silt Fence	
Grab Strength	ASTM D 4632	N (lbs)	400	90 lbs	MARV
			(90)	(90)	
Permittivity <sup>b</sup>	ASTM D 4491	sec-1	0.05	0.05	MARV
			0.05	0.05	
Filtration Efficiency	ASTM D 5141	gal/sq/min	75% and min. flow rate of 0.3	75% and min. flow rate of 0.3	Typical
			75%	75%	
Ultraviolet Stability	ASTM D 4355	% Retained Strength	80% @ 500 h of exposure	80% @ 500 h of exposure	Typical
			80%	80%	

<sup>a</sup>Silt fence support shall consist of 14 gauge steel wire with a mesh spacing of 150 mm (6 in.) or prefabricated polymer mesh of equivalent strength. These default values are based on empirical evidence with a variety of sediments. For environmentally sensitive areas, a review of previous experience and/or site or Regionally specific geotextile tests in accordance with Test Method D 5141 should be performed by the agency to confirm suitability of these requirements. <sup>b</sup>As measured in accordance with Test Method D 4632.

TABLE 1 TAKEN FROM ASTM D 6461-99 (2007)

### SILT FENCE INSTALLATION

SFI

N.T.S.

### B.M.P.'s (BEST MANAGEMENT PRACTICES)

THESE PLANS ADDRESSES THE FOLLOWING AREAS:

1. GENERAL EROSION CONTROL
2. PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION
3. CONTROL OF WIND EROSION

THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS NECESSARY FOR EACH SPECIFIC APPLICATION.

#### SECTION 1 GENERAL EROSION CONTROL

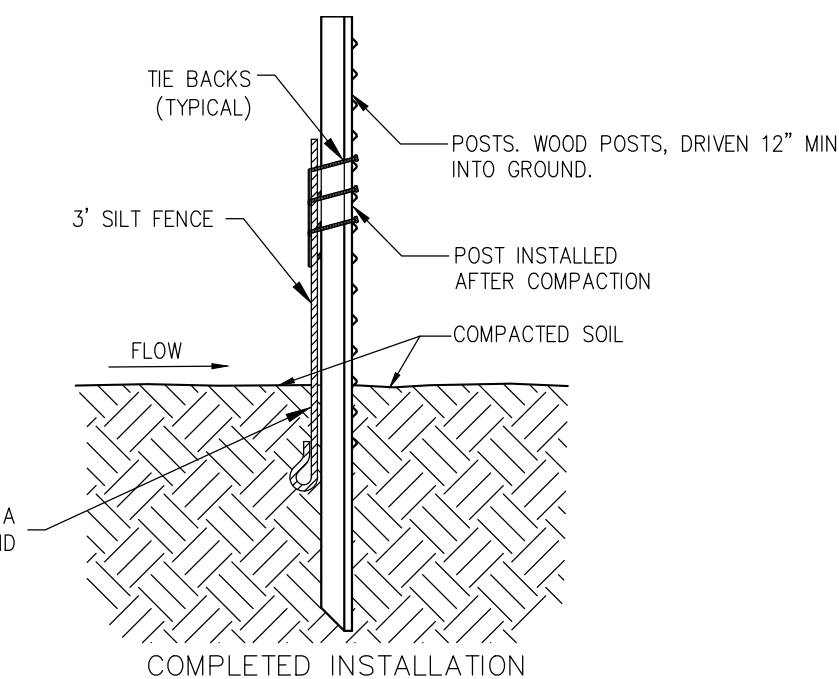
- 1.1 GENERAL EROSION CONTROL BMPs SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND SLOPE WASH-OUTS. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION ACTIVITIES.
- 1.2 CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY SCHEDULED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY OR OVERSEEDED AND PERIODICALLY WATERED SUFFICIENT TO STABILIZE THE TEMPORARY GROUND COVER.
- 1.3 SLOPES OF BANKS OF WET DETENTION PONDS SHALL BE CONSTRUCTED NOT STEEPER THAN 4H:1V FROM TOP OF BANK TO (2) FEET BELOW NORMAL WATER LEVEL. (CONTROL ELEVATION).
- 1.4 ALL GRASS SLOPES CONSTRUCTED 4H:1V AND STEEPER SHALL BE SODDED AS SOON AS PRACTICAL AFTER THEIR CONSTRUCTION.
- 1.5 SOD SHALL BE PLACED FOR A 3-FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS. SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.
- 1.6 WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED. THE TEMPORARY SEDIMENT SUMP SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED ON THE GROUND DRAINING TO THE SUMP.

#### SECTION 2 PROTECTION OF SURFACE WATER QUALITY DURING & AFTER CONSTRUCTION

- 2.1 SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BMPs, AT A MINIMUM, IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.
- 2.2 WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.
- 2.3 EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
  - A. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
  - B. STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION AS SHOWN. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODDING AROUND INLETS IS COMPLETE.
  - C. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIMES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURRENCE.
- 2.5 SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.

#### SECTION 3 CONTROL OF WIND EROSION

- 3.1 WIND EROSION SHALL BE CONTROLLED BY EMPLOYING, AT A MINIMUM, THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:
  - A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
  - B. AS SOON AS PRACTICAL AFTER COMPLETION OF CONSTRUCTION, BARE EARTH AREAS SHALL BE VEGETATED.
  - C. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FENCES. IF REQUIRED, DUST CONTROL FENCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL FOR A SILT FENCE, AS SHOWN, EXCEPT THE MINIMUM HEIGHT SHALL BE 4 FEET.



COMPLETED INSTALLATION

### SPECIFICATIONS FOR SILT FENCE INSTALLATION

1. SILT FENCE SHALL BE PROVIDED AND INSTALLED PER ASTM D-6462-03 LATEST EDITION.
2. INSTALL SILT FENCE AT A FAIRLY LEVEL GRADE ALONG THE CONTOUR WITH THE ENDS CURVED UP HILL TO PROVIDE SUFFICIENT UPSTREAM STORAGE VOLUME FOR ANTICIPATED RUNOFF.
3. INSTALL POSTS AT A MAXIMUM OF 10' APART.
4. INSTALL POSTS AT A MINIMUM DEPTH OF 12" ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT UPSTREAM WATER PRESSURE ON THE FABRIC.
5. INSTALL WITH THE POSTS AWAY FROM THE SILT FENCE FABRIC.
6. WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
7. WHEN NECESSARY TO CONTINUE FENCE, OVERLAP SILT FENCE FABRIC ACROSS TWO POSTS.
8. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED A MINIMUM ACROSS TWO POSTS, AS SHOWN.
9. ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH THE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART.
10. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEFICIENCIES BEFORE COMPACTION. USE A FLAT-BLADED SHOVEL TO TUCK FABRIC DEEPER INTO THE TRENCH IF NECESSARY.
11. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC.

### MAINTENANCE NOTES

1. SILT FENCES SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE SILT FENCE. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING ON-THIRD THE HEIGHT OF THE SILT FENCE.
2. ALL MATERIAL EXCAVATED FROM BEHIND SILT FENCE SHALL BE STOCKPILED ON AN UPLAND PORTION OF THE SITE IF SUITABLE FOR REUSE.
3. SPECIAL ATTENTION SHALL BE PAID TO ENSURE THAT NO UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINING SECTIONS.
4. IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF SILT FENCE, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPs TO PREVENT EXCESSIVE BUILDUP ON SILT FENCE.
5. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.

NO. REVISION DATE

PERMIT SET 06/28/2024

CONSULTANT:

Port St. Lucie City Hall  
PSL Municipal Complex Parking Expansion  
121 SW Port St. Lucie Blvd.  
Building A, Port St. Lucie, FL 34984

CPZ ARCHITECTS, INC.  
4116 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-5825  
FA: 954-6060085 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Erosion Control Details

DRAWN RHO  
CHECKED OR  
DATE 06.28.24  
SCALE AS NOTED  
PRJCT# P22-339-A2  
SHEET:

C-4

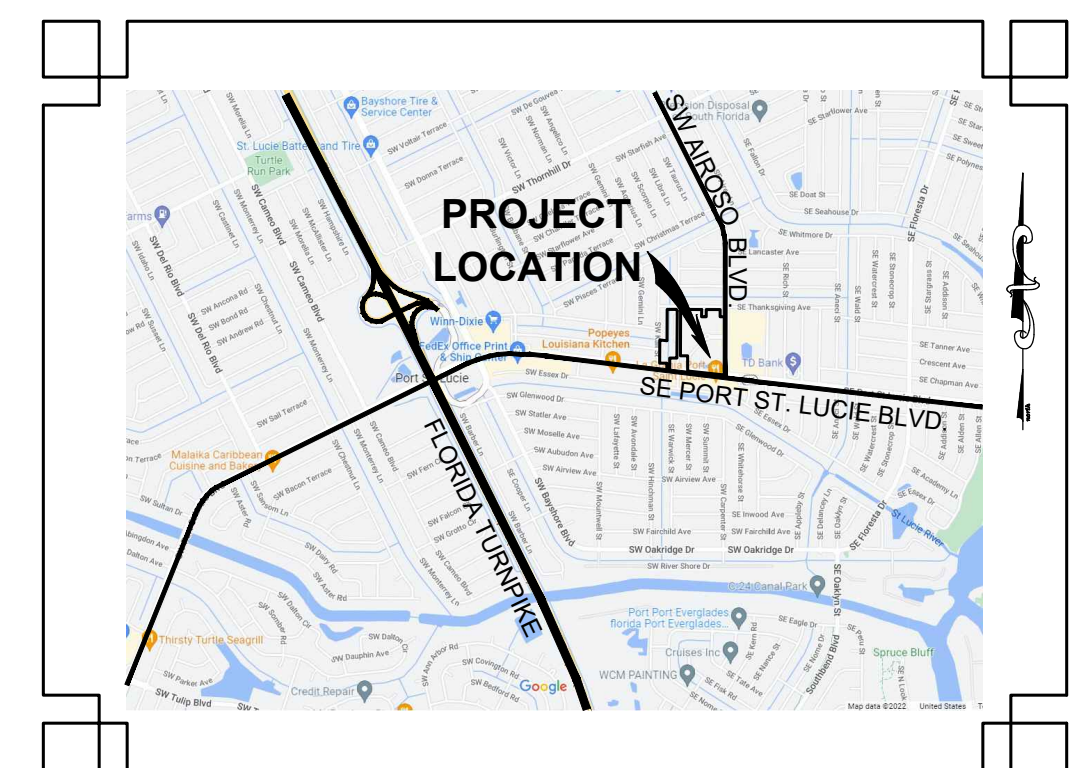
**Bowman**  
CONSULTING

PROFESSIONAL SURVEYORS AND MAPPERS, CERTIFICATE NO. LB. 8030  
BOARD OF PROFESSIONAL ENGINEERS, CERTIFICATE OF AUTHORIZATION NO. 30462

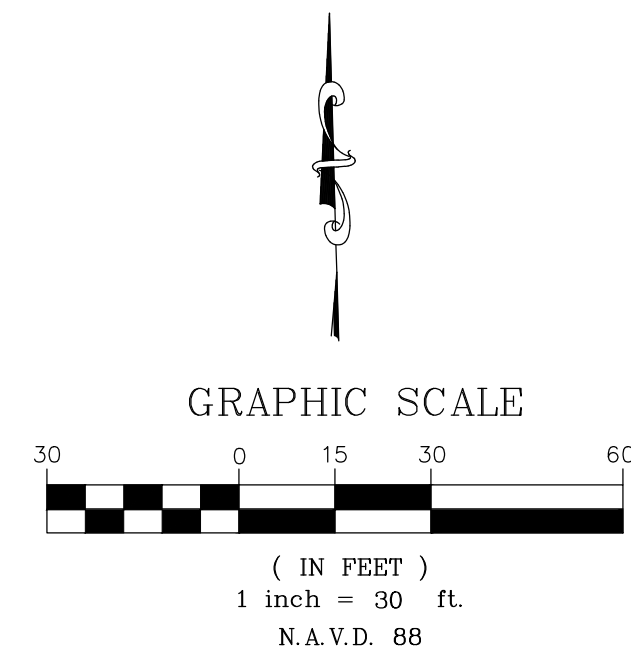
OCTAVIO "OATS" REIS, P.E.  
FLORIDA LICENSE NO. 65661

DATE: 06-28-24

NO.	REVISION	DATE
PERMIT SET	06/28/2024	
CONSULTANT:		



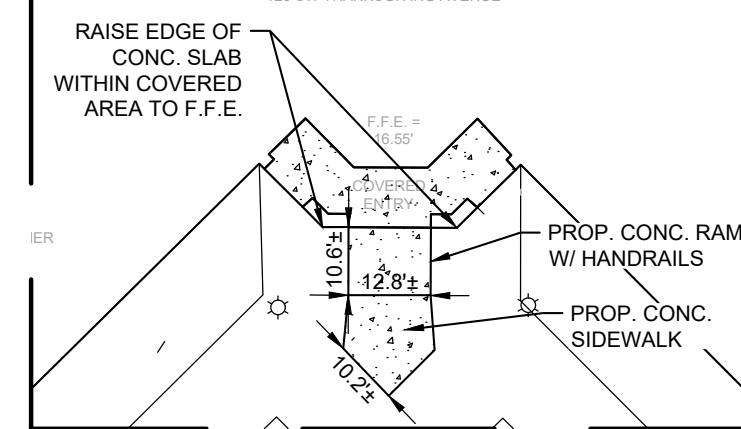
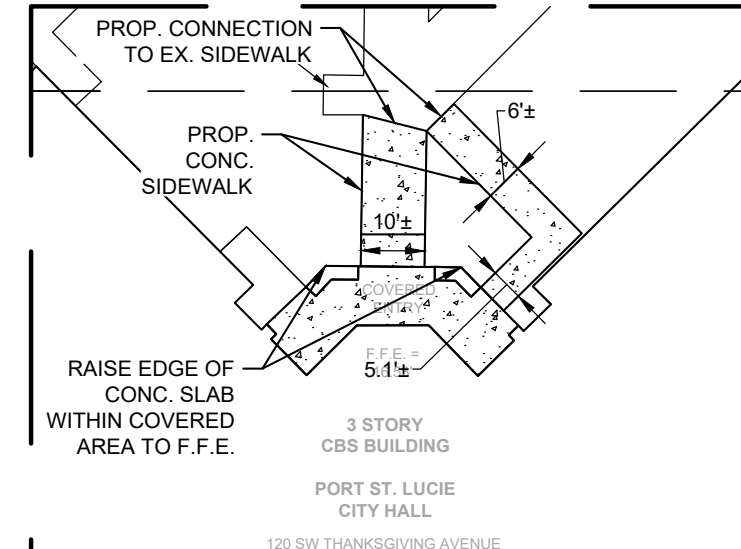
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NOT TO SCALE



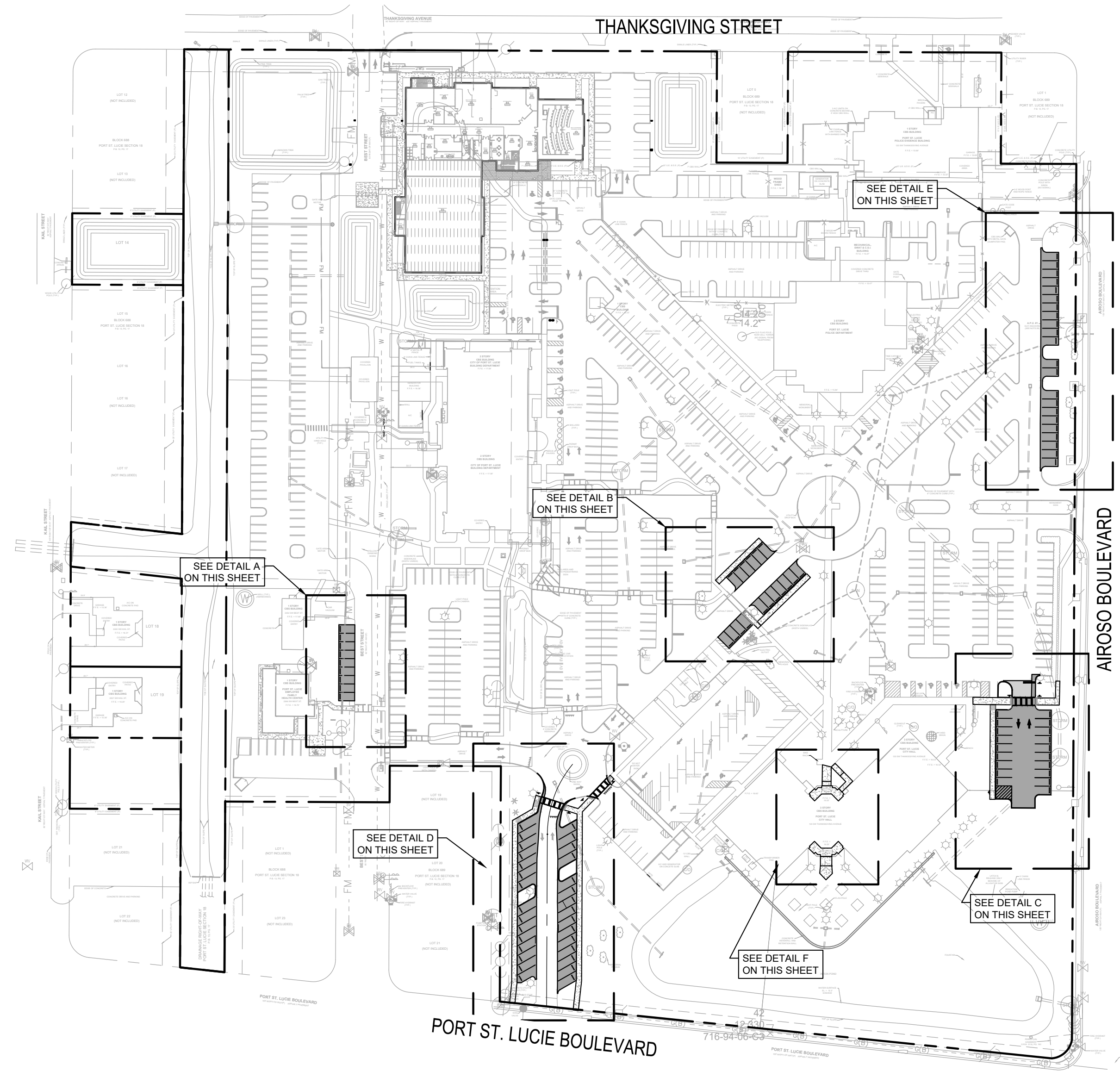
OWNER  
City of Port St. Lucie  
121 SW Port St. Lucie Blvd.  
Port St. Lucie, FL 34952

DRAINAGE BASIN A AREAS	ACRES	SF	PERCENTAGE %
Gross BASIN A Area	14.28	621,166	100.0%
Impervious Area	9.18	399,881	64.4%
Building, Pavement, Sidewalk	8.00	348,480	56.1%
Lake	1.18	51,401	8.3%
Pervious Area	5.08	221,285	35.6%
Open Space	5.08	221,285	35.6%

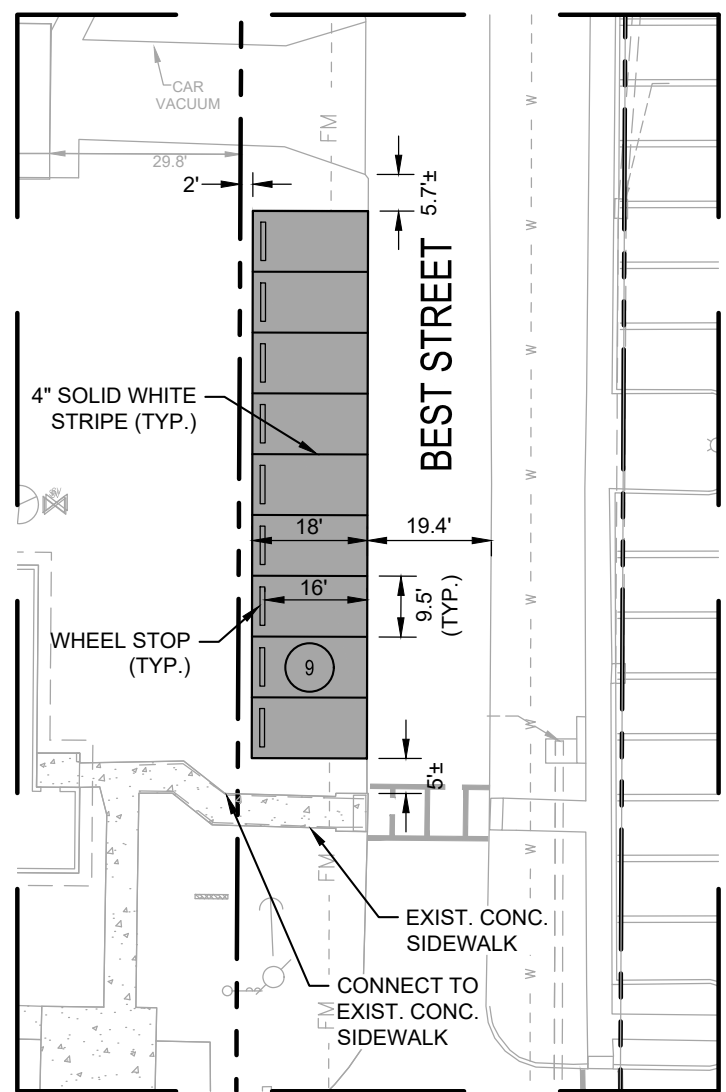
- LEGEND**
- |  |                 |  |                 |                                 |
|--|-----------------|--|-----------------|---------------------------------|
|  | <b>EXISTING</b> |  | <b>PROPOSED</b> | = PROPERTY BOUNDARY             |
|  |                 |  |                 | = PHASE BOUNDARY                |
|  |                 |  |                 | = EASEMENT                      |
|  |                 |  |                 | = PARCEL LINE                   |
|  |                 |  |                 | = NUMBER OF PARKING SPACES      |
|  |                 |  |                 | = LIGHT POLE                    |
|  |                 |  |                 | = SIGN                          |
|  |                 |  |                 | = FDC W/ SIGN                   |
|  |                 |  |                 | = 5' DECORATIVE FENCE           |
|  |                 |  |                 | = 6' BUFFER WALL                |
|  |                 |  |                 | = RETAINING WALL                |
|  |                 |  |                 | = UNDERGROUND FPL (BY OTHERS)   |
|  |                 |  |                 | = SECONDARY ELECTRIC LINE       |
|  |                 |  |                 | = FIBER OPTIC CABLE (BY OTHERS) |
|  |                 |  |                 | = TRANSFORMER                   |
|  |                 |  |                 | = WATER LINE                    |
|  |                 |  |                 | = SANITARY SEWER                |
|  |                 |  |                 | = DRAINAGE PIPE                 |
|  |                 |  |                 | = FIRE HYDRANT                  |
|  |                 |  |                 | = WATER VALVE                   |
|  |                 |  |                 | = SANITARY SEWER MANHOLE        |
|  |                 |  |                 | = DRAINAGE STRUCTURE            |
|  |                 |  |                 | = CONDENSER UNITS               |



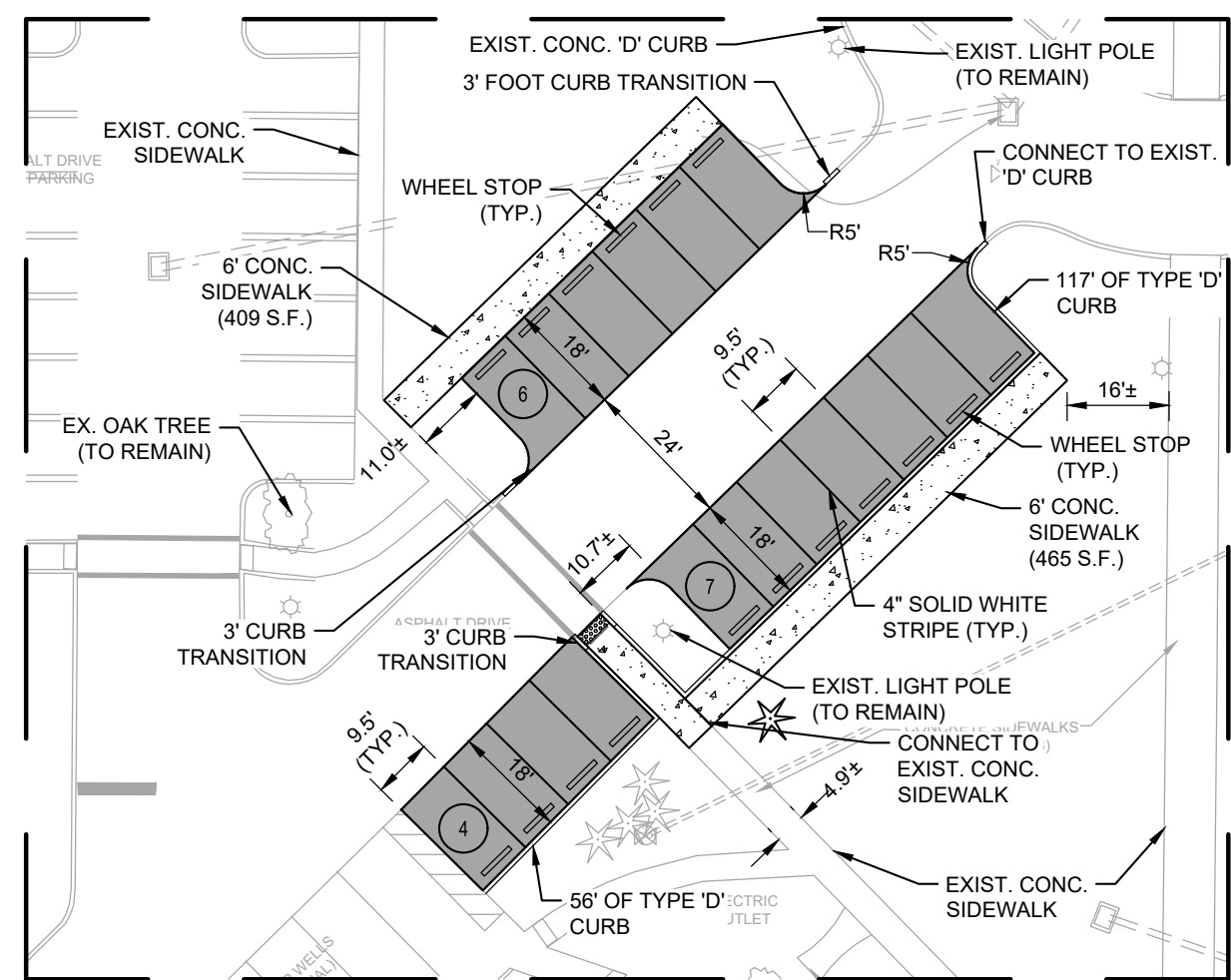
**DETAIL F**  
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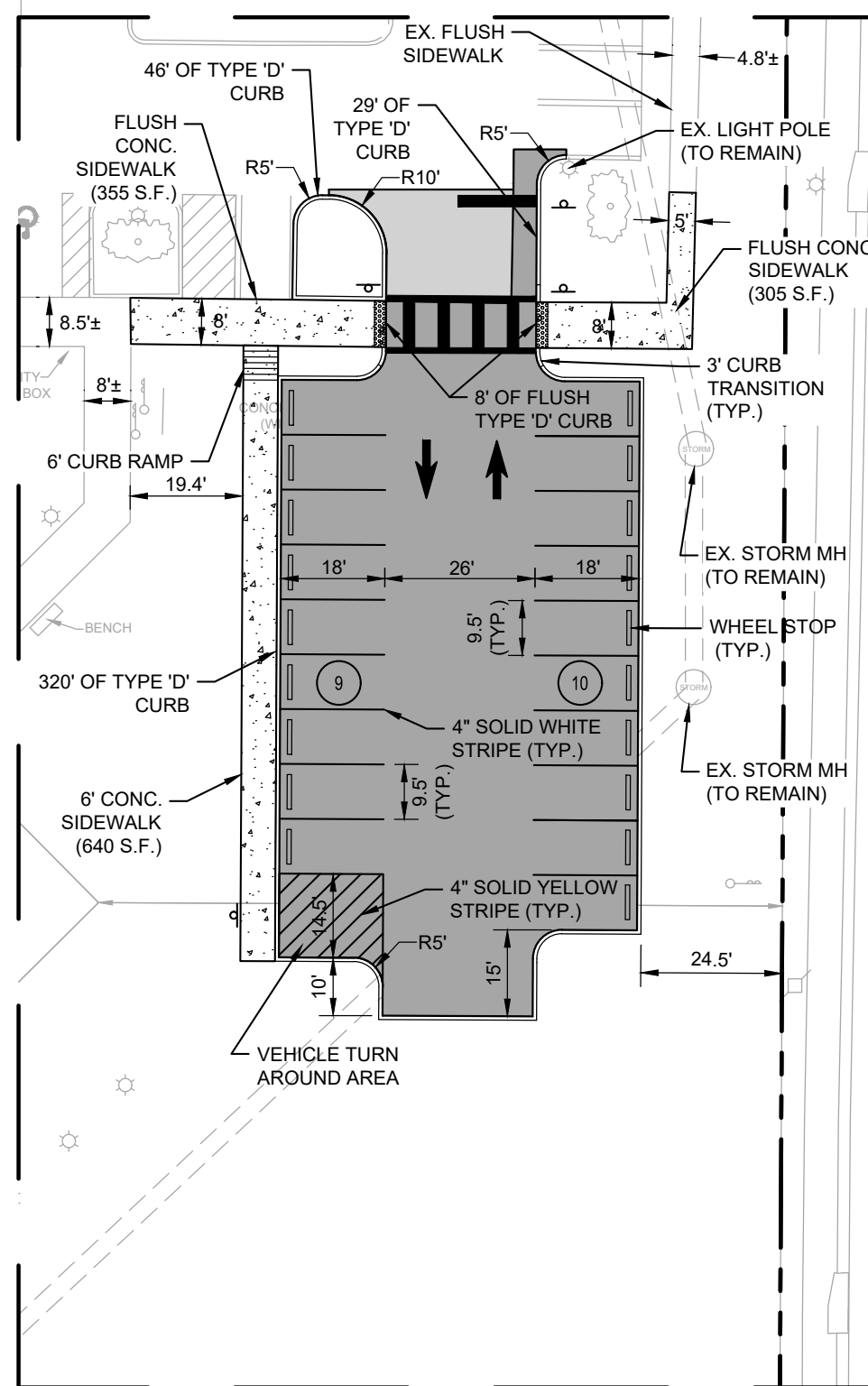
**OVERALL SITE PLAN**  
SCALE: 1"=100'



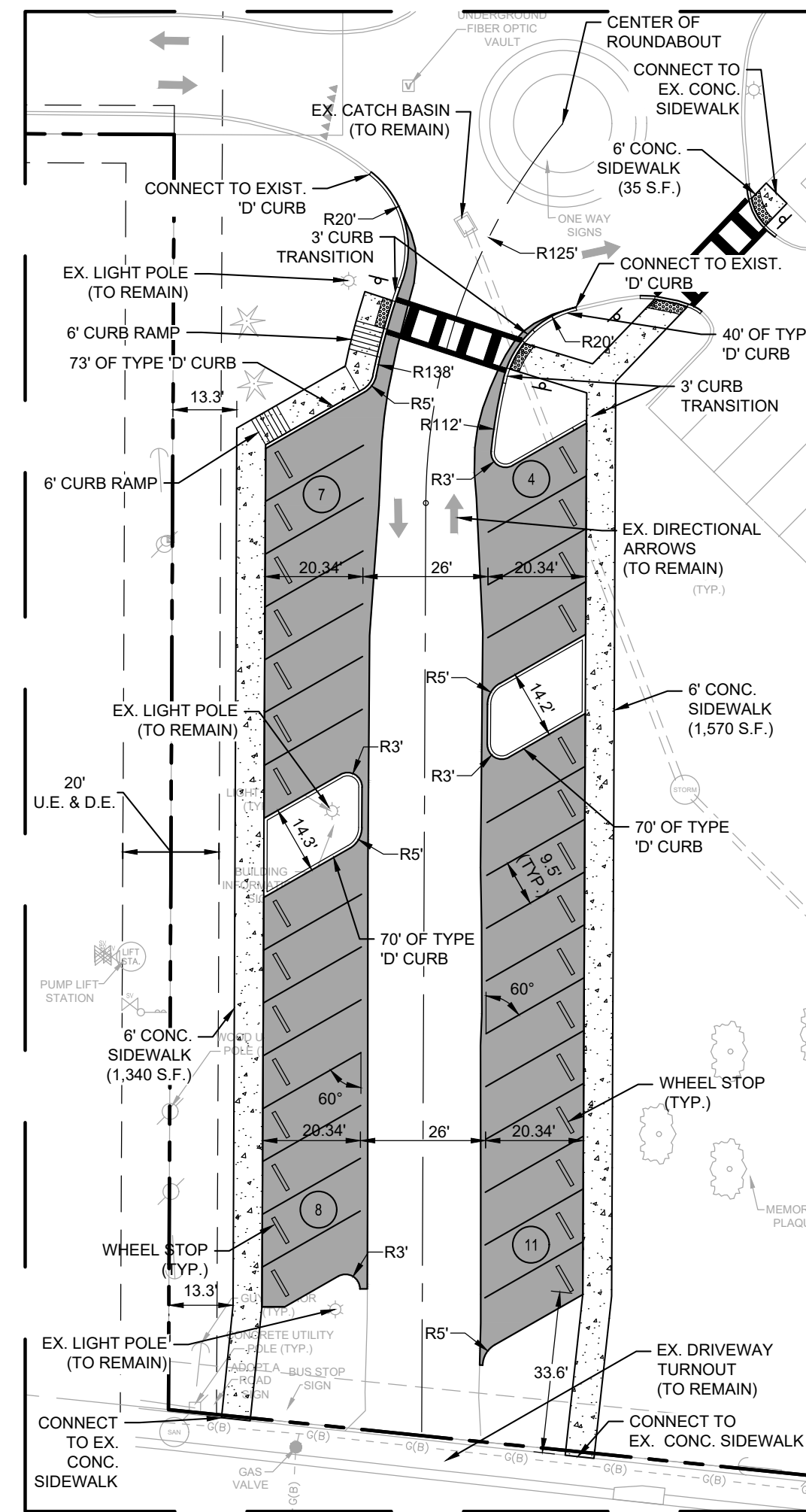
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(9 ADDITIONAL SPACES)



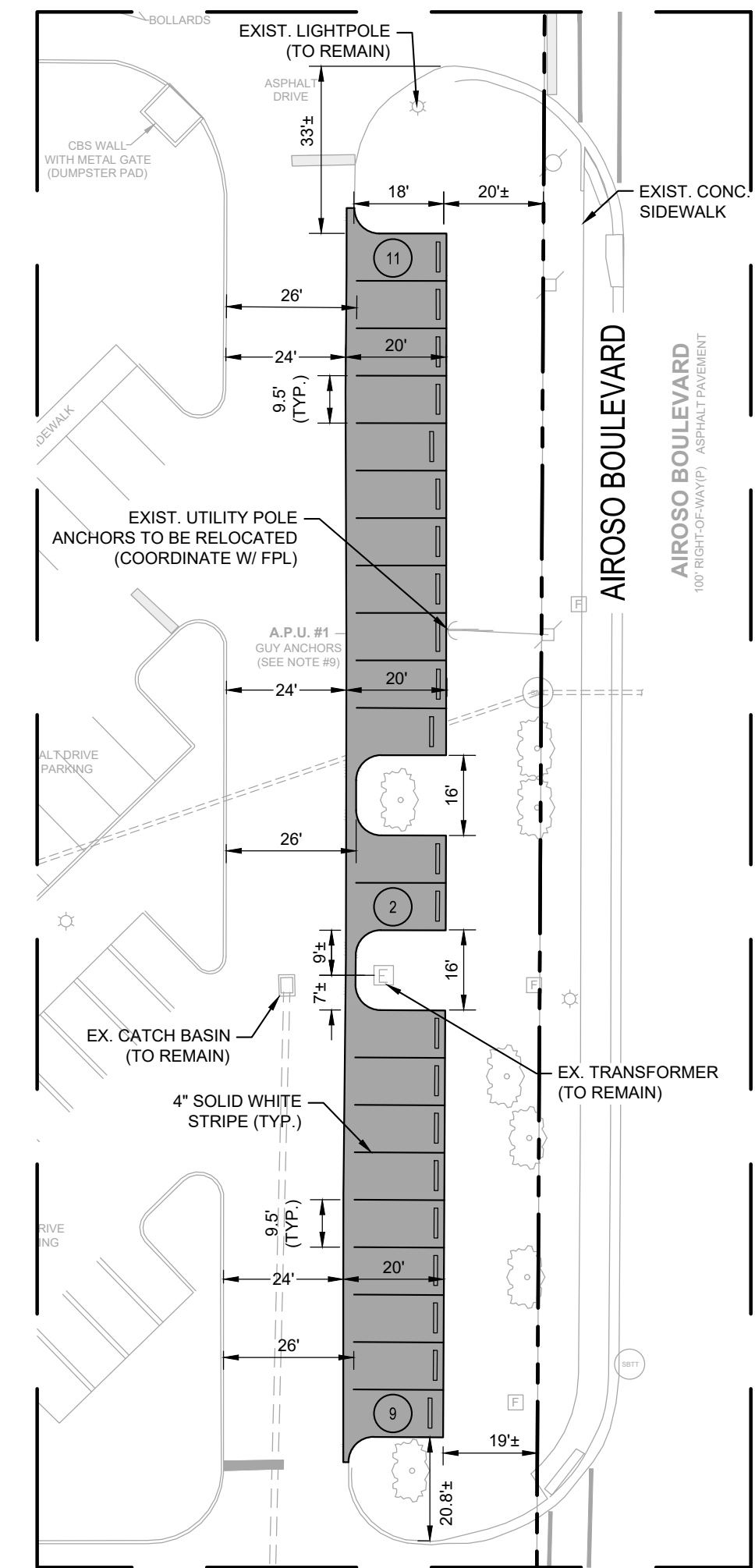
**DETAIL B**  
SCALE: 1"=30'  
(17 ADDITIONAL SPACES)



**DETAIL C**  
SCALE: 1"=30'  
(19 ADDITIONAL SPACES)



**DETAIL D**  
SCALE: 1"=30'  
(30 ADDITIONAL SPACES)



**DETAIL E**  
SCALE: 1"=30'  
(22 ADDITIONAL SPACES)

**88 ADDITIONAL SPACES TOTAL**

**COVERED AREA NOTE**  
FUTURE IMPROVEMENTS TO THE REAR COVERED AREA LOCATED AT THE BACK ENTRANCE OF THE BUILDING INCLUDE A RAISED CONCRETE SLAB TO THE F.F.E. AND AN ADA ACCESSIBLE RAMP. IN THE REAR PATIOS CURRENT CONFIGURATION, THE REMOVAL OF AN EXISTING TREE IS REQUIRED TO PROVIDE CLEARANCE TO MEET ADA STANDARDS.

Port St. Lucie City Hall  
PSL Municipal Complex Parking Expansion  
121 SW Port St. Lucie Blvd.  
Building A, Port St. Lucie, FL 34984

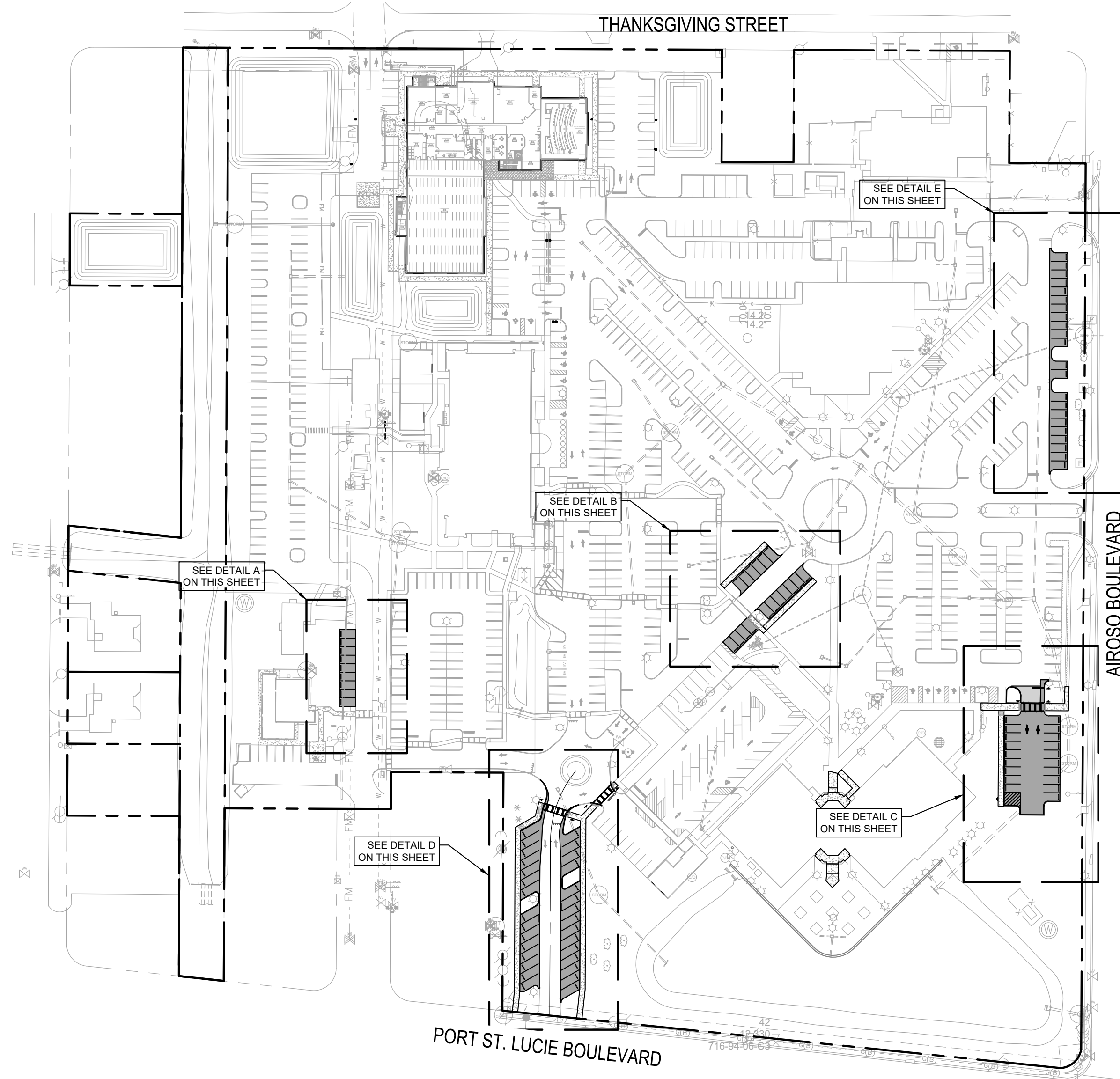
CPZ ARCHITECTS, INC.  
5635 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8525  
AA #22600685 WWW.CPZARCHITECTS.COM



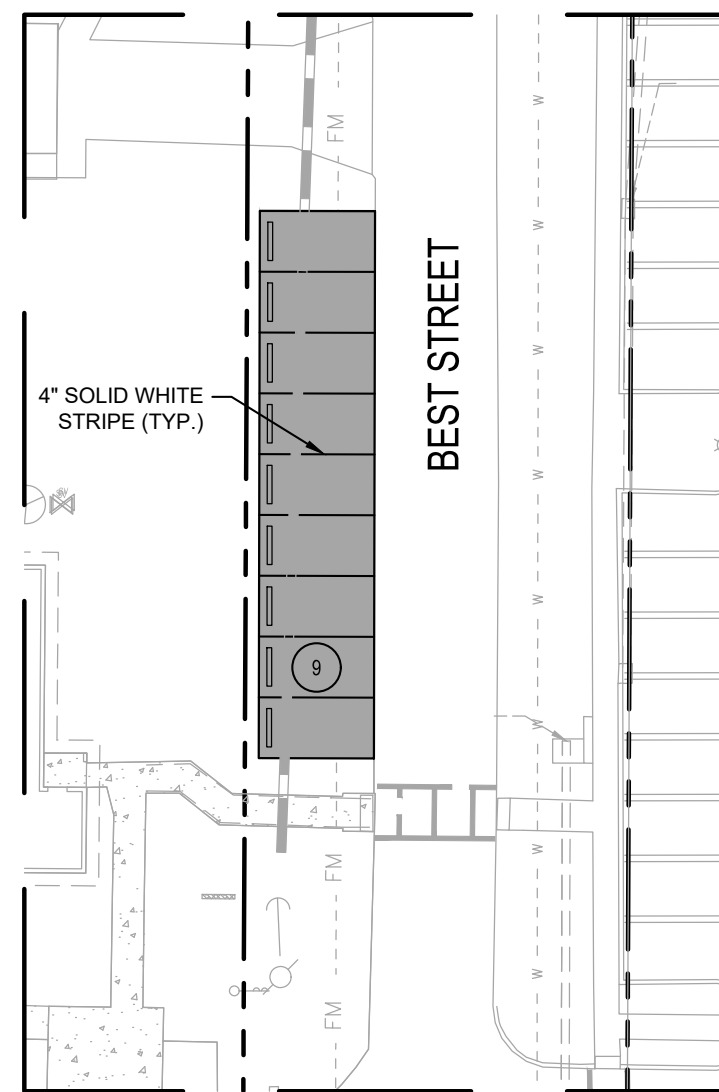
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DRAWN RHO  
CHECKED OR  
DATE 06.28.24  
SCALE AS NOTED  
PRJCT# P22-339-A2  
SHEET:

**Bowman CONSULTING**  
PROFESSIONAL SURVEYORS AND MAPPERS, CERTIFICATE NO. LB. 8030  
BOARD OF PROFESSIONAL ENGINEERS, CERTIFICATE OF AUTHORIZATION NO. 30462

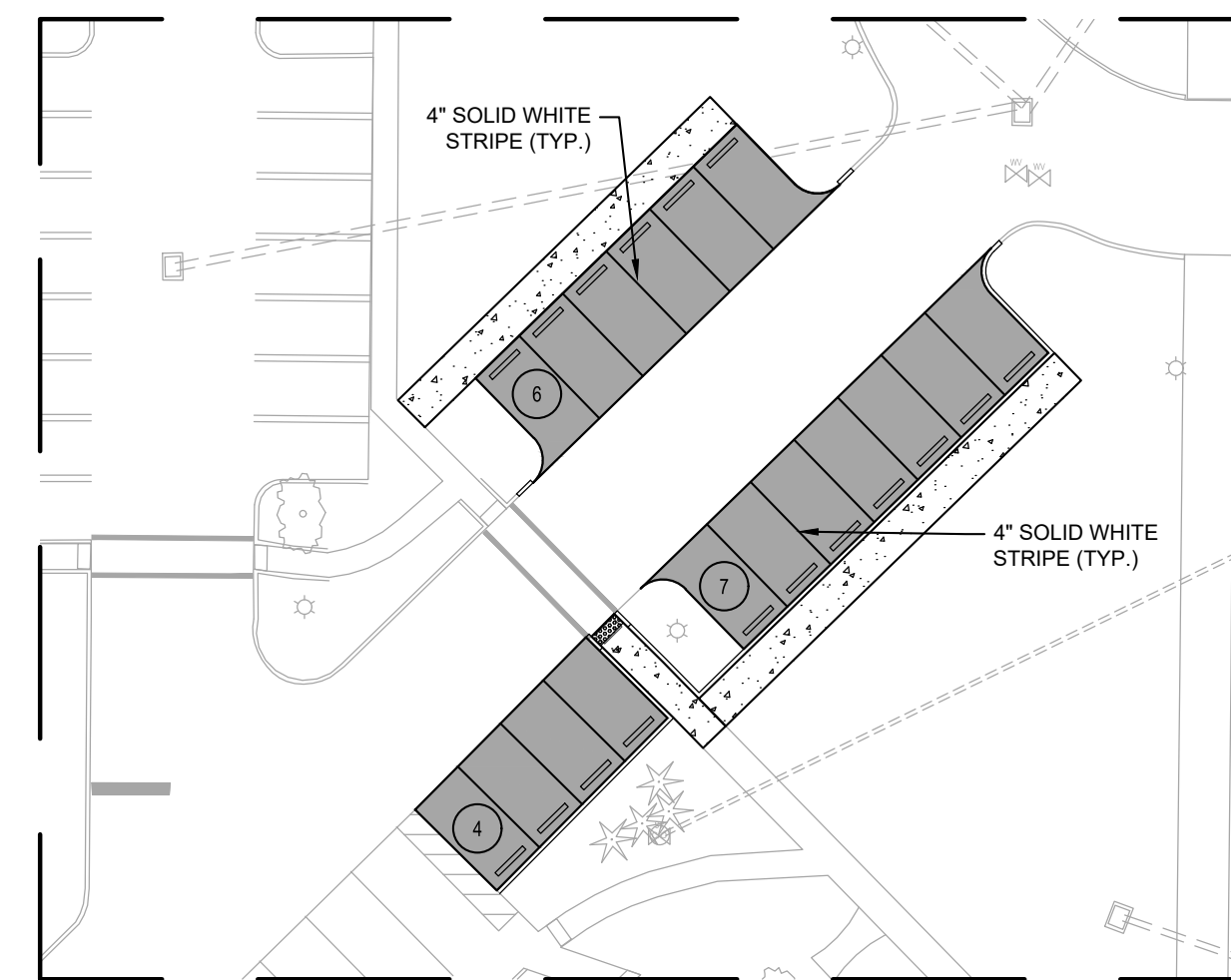
OCTAVIO "OATS" REIS, P.E.  
FLORIDA LICENSE NO. 65661



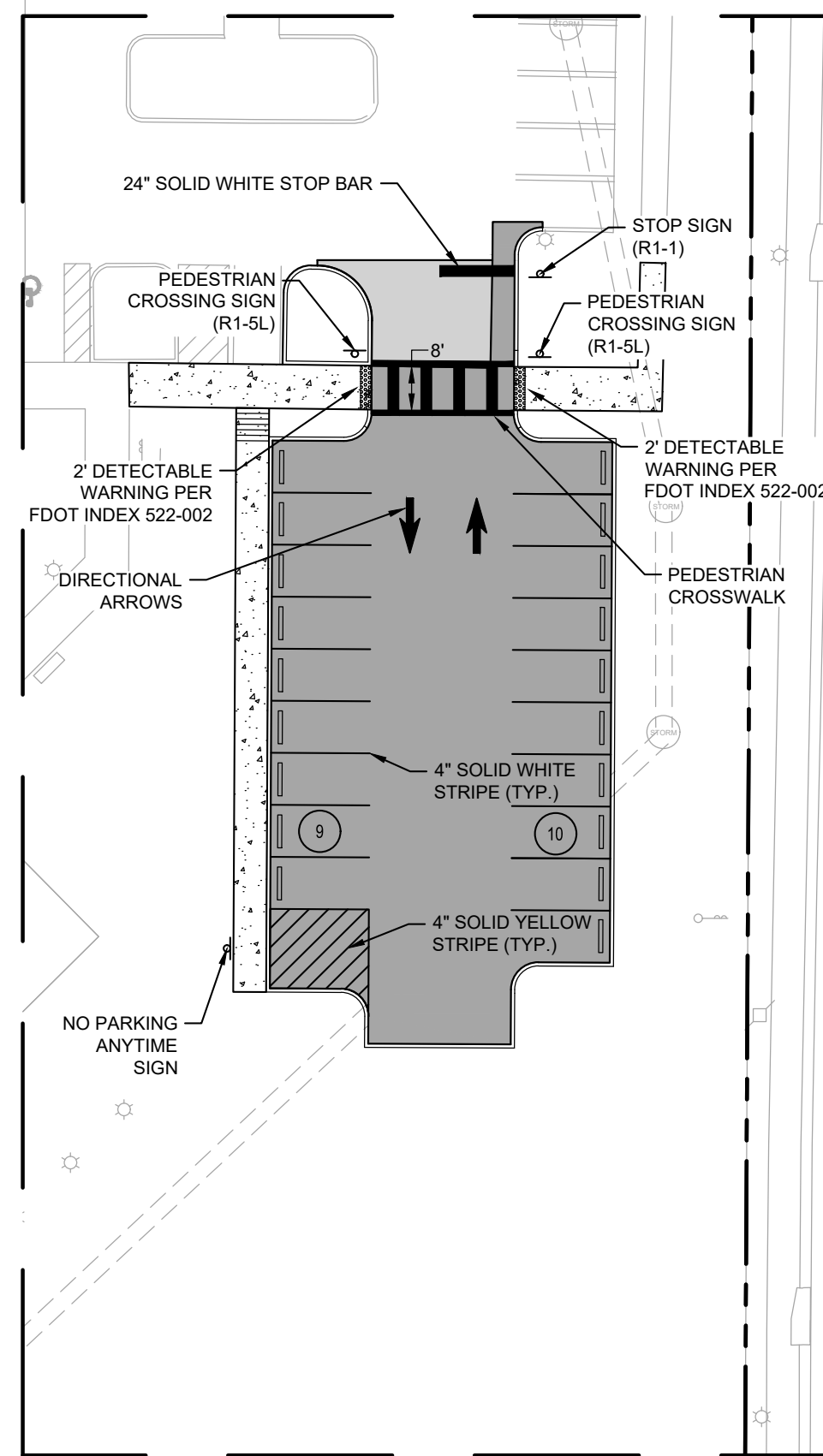
**OVERALL SITE PLAN**  
SCALE: 1"=100'



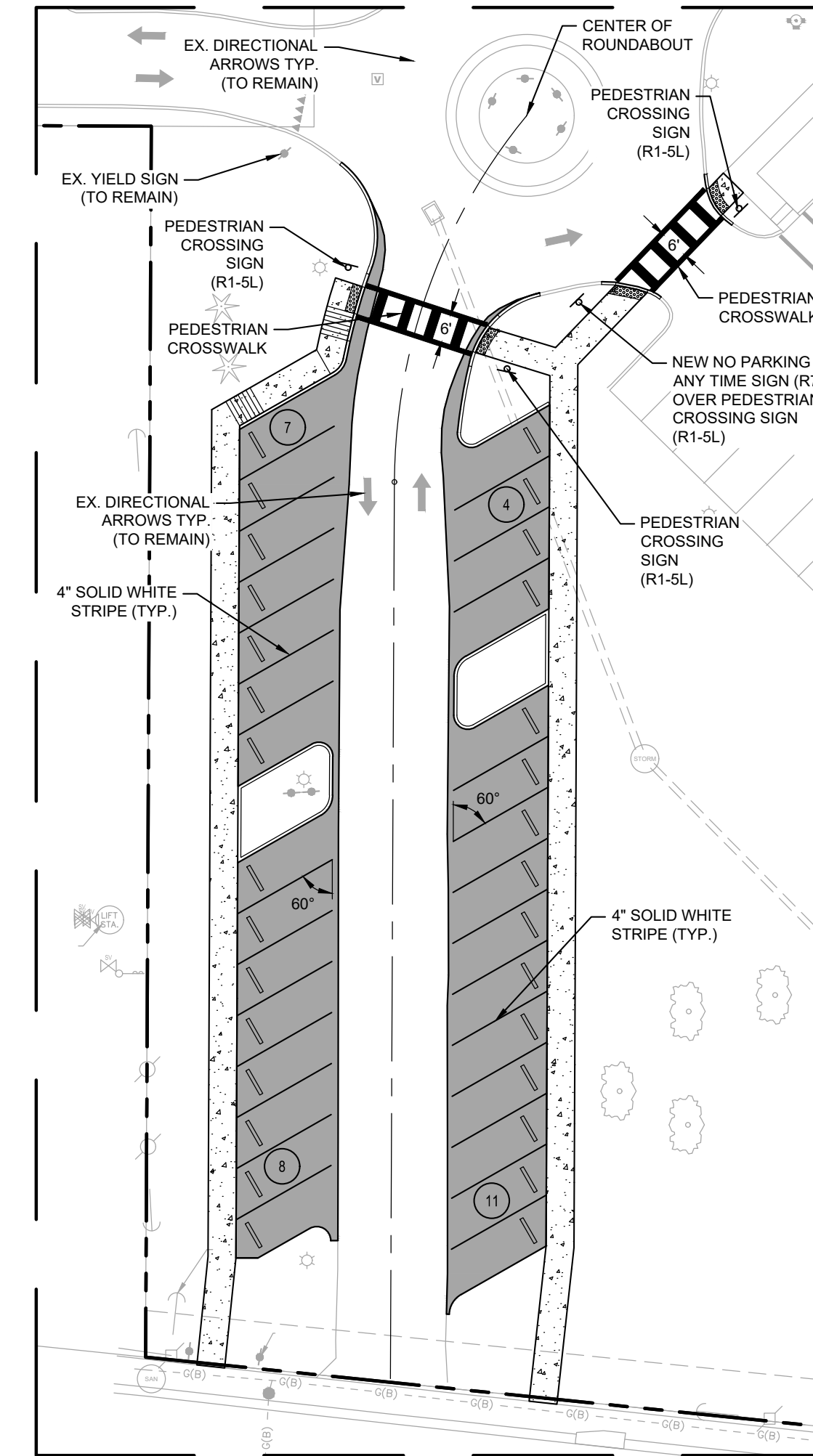
**DETAIL A**  
SCALE: 1"=30'  
(9 ADDITIONAL SPACES)



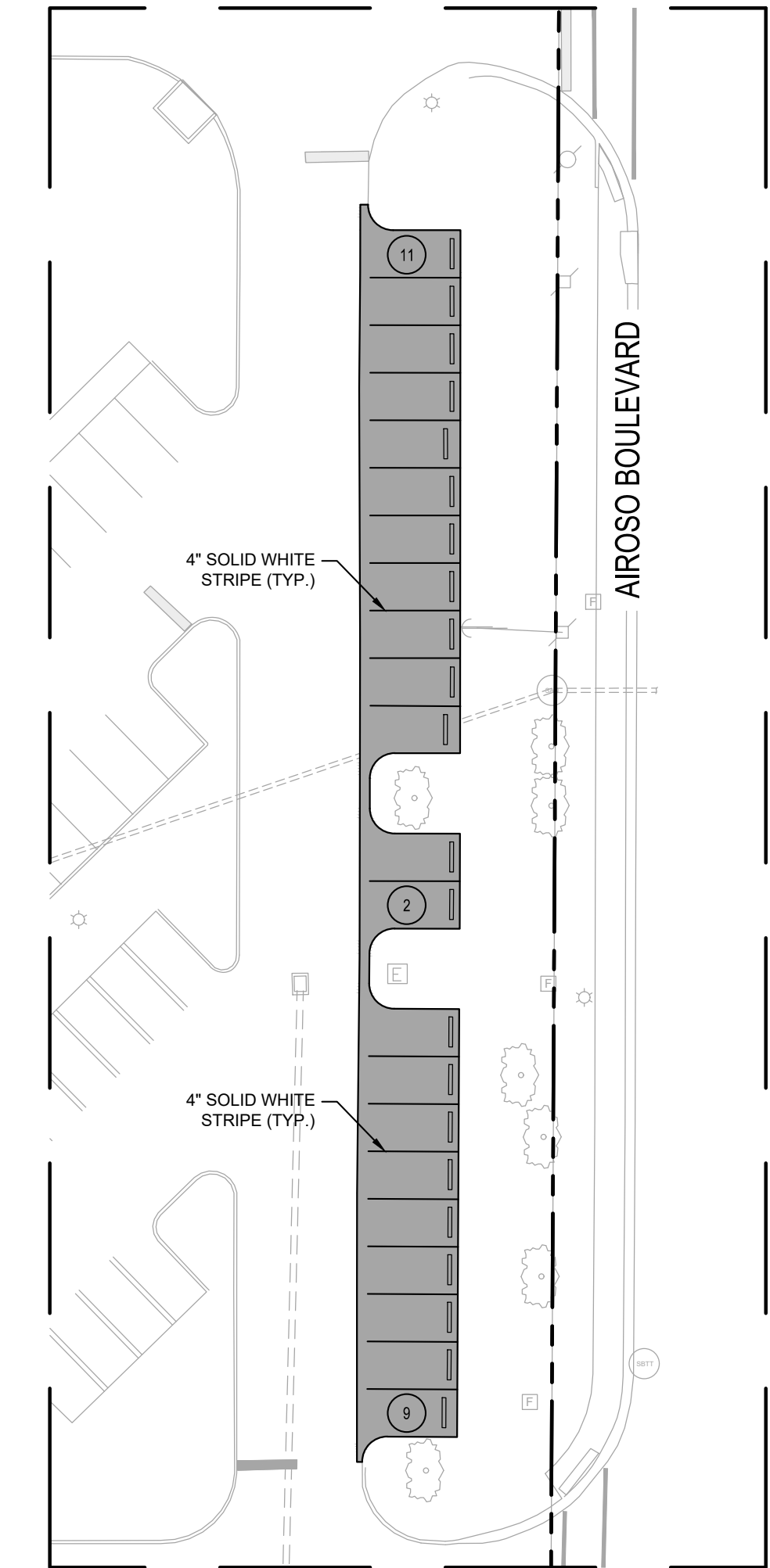
**DETAIL B**  
SCALE: 1"=30'  
(17 ADDITIONAL SPACES)



**DETAIL C**  
SCALE: 1"=30'  
(19 ADDITIONAL SPACES)



**DETAIL D**  
SCALE: 1"=30'  
(30 ADDITIONAL SPACES)

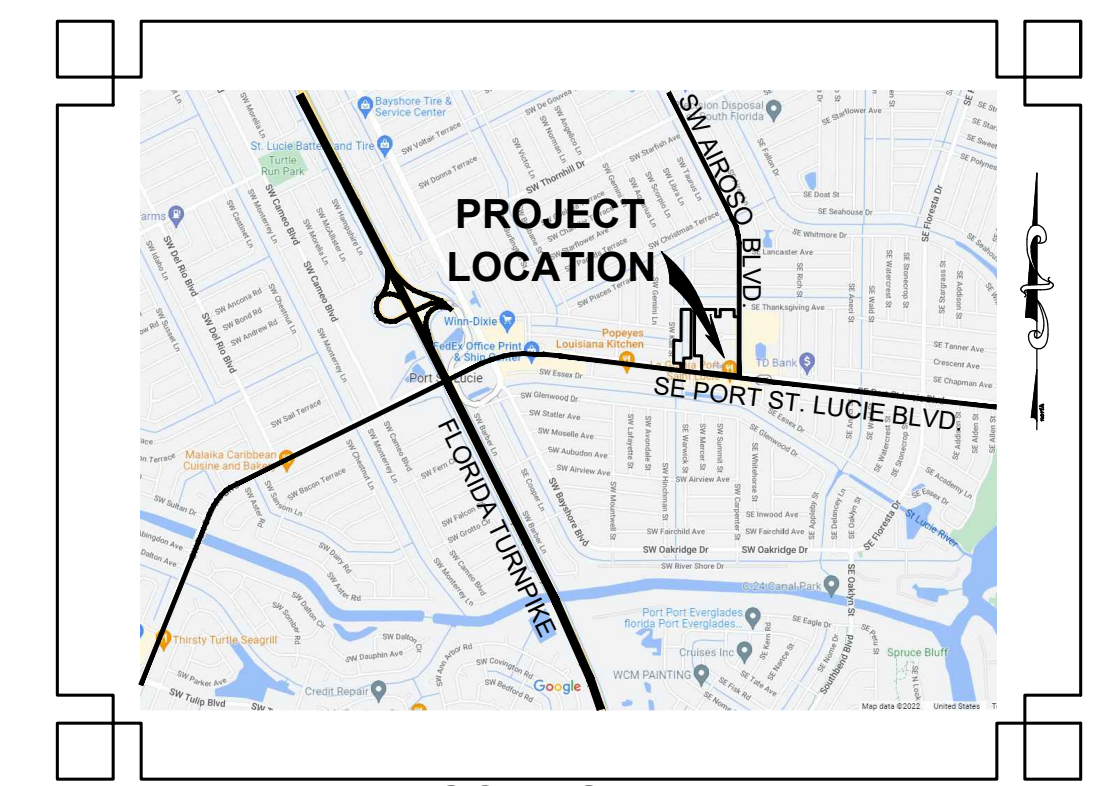
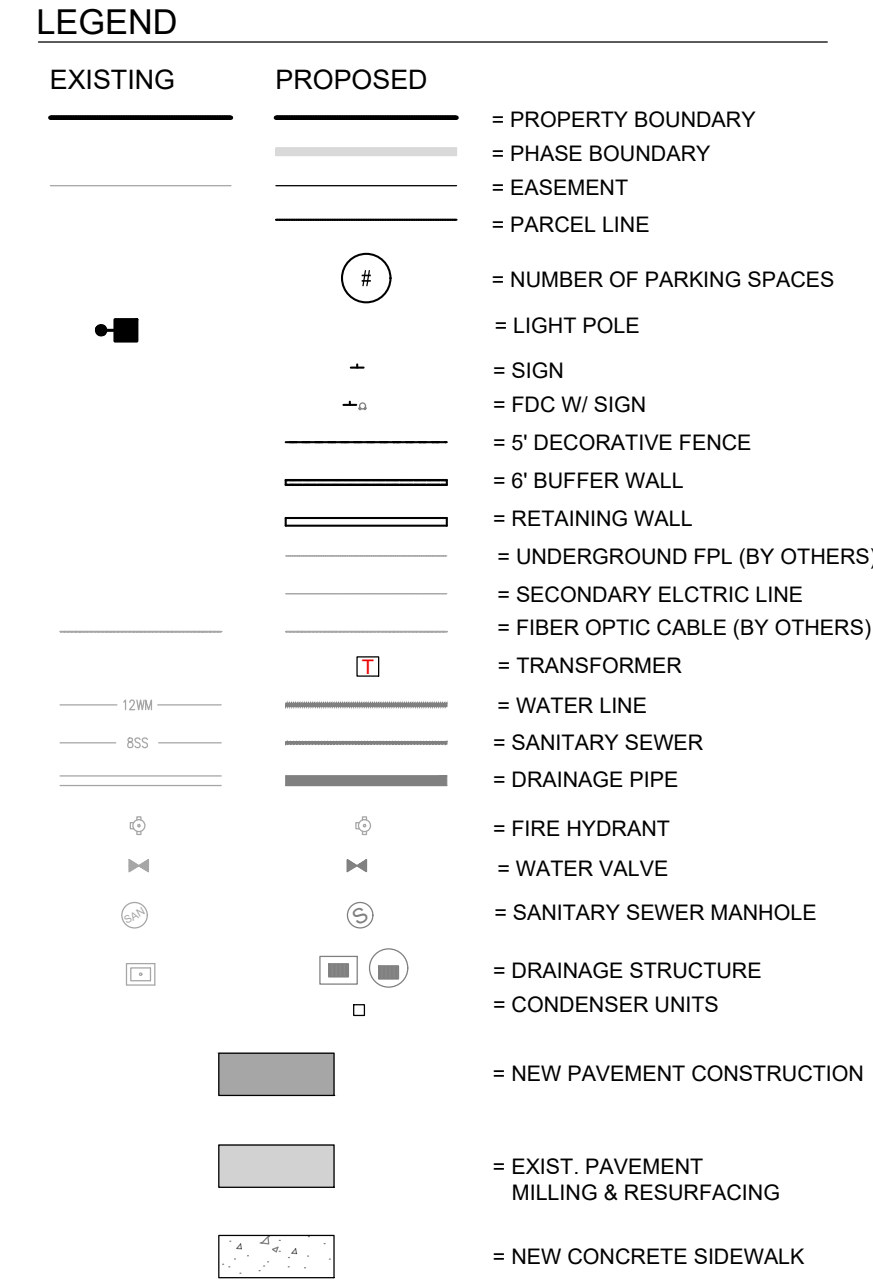


**DETAIL E**  
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(22 ADDITIONAL SPACES)

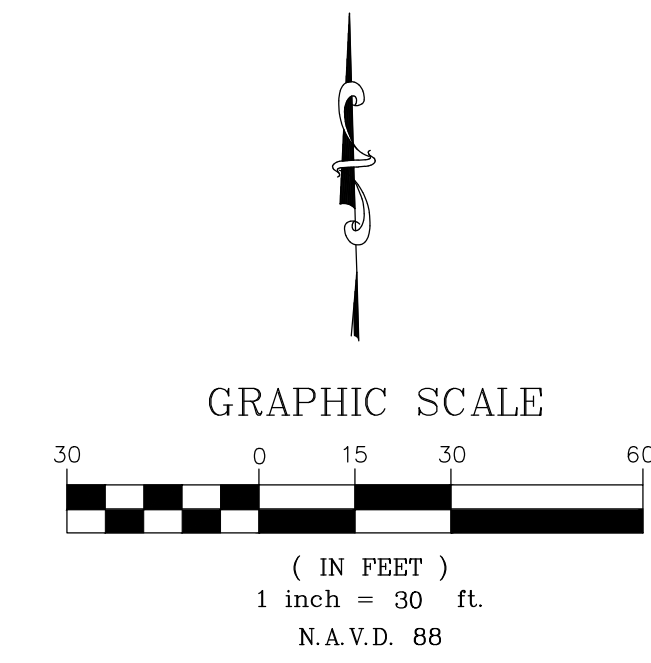
**88 ADDITIONAL SPACES TOTAL**

**OWNER**  
City of Port St. Lucie  
121 SW Port St. Lucie Blvd.  
Port St. Lucie, FL 34952

PROJECT AREAS	ACRES	SF	PERCENTAGE %
Gross Project Area	0.54	23,641	100%
Impervious Area	0.41	18,091	76.5%
Building, Pavement, Sidewalk	0.41	18,091	76.5%
Pervious Area	0.13	5,550	23.5%
Open Space	0.13	5,550	23.5%



**LOCATION MAP**  
NOT TO SCALE



NO.	REVISION	DATE
	PERMIT SET	06/28/2024
CONSULTANT:		

**Port St. Lucie City Hall**  
**PSL Municipal Complex Parking Expansion**  
121 SW Port St. Lucie Blvd.  
Building A, Port St. Lucie, FL 34984

**CPZ ARCHITECTS, INC.**  
614 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8525  
AA #2600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

**Marking & Signage Plan**

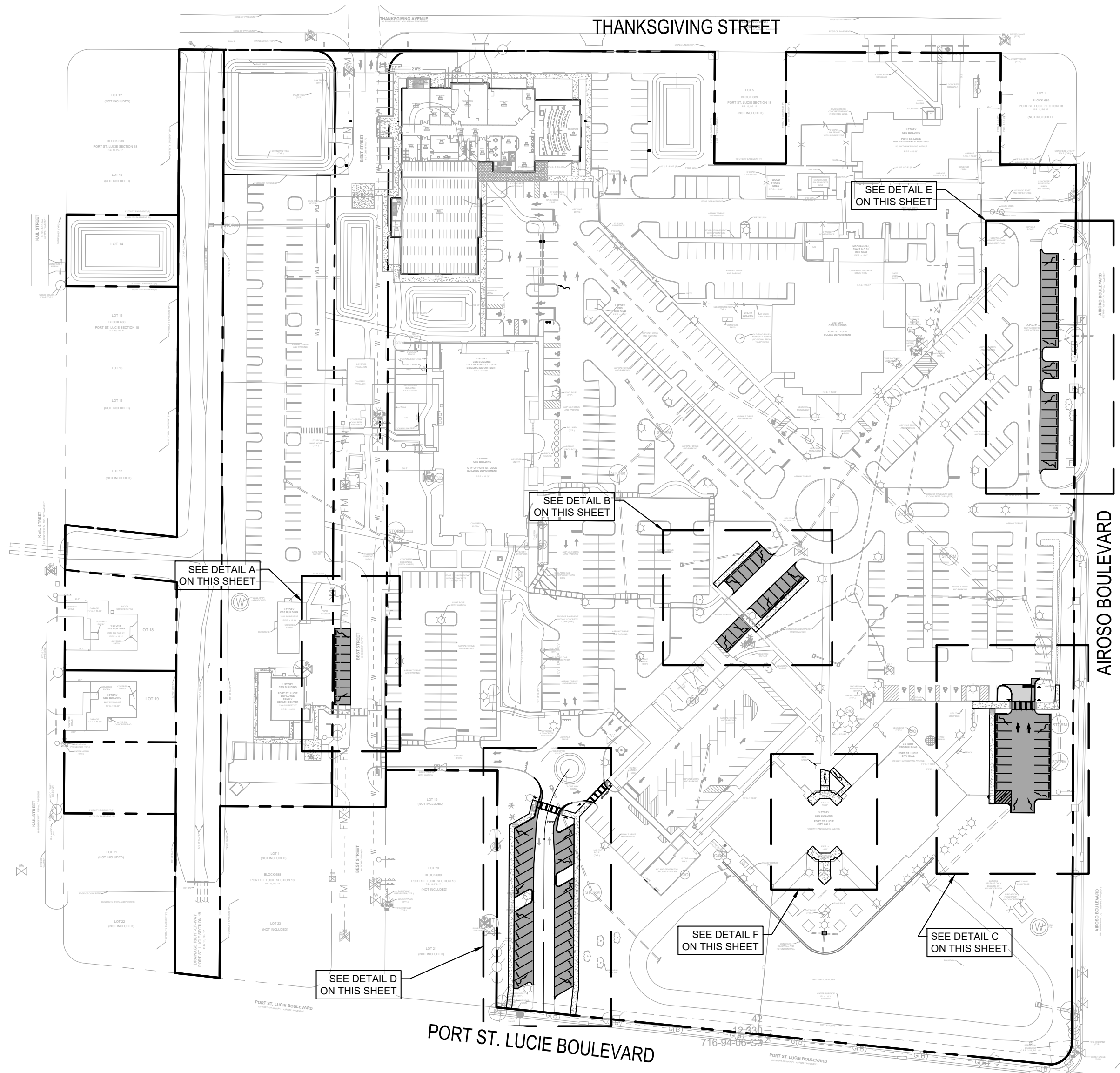
DRAWN	RHO
CHECKED	OR
DATE	06.28.24
SCALE	AS NOTED
PRJCT#	P22-339-A2
SHEET:	

**Bowman**  
**CONSULTING**  
PROFESSIONAL SURVEYORS AND MAPPERS, CERTIFICATE NO. LB. 8030  
BOARD OF PROFESSIONAL ENGINEERS, CERTIFICATE OF AUTHORIZATION NO. 30462

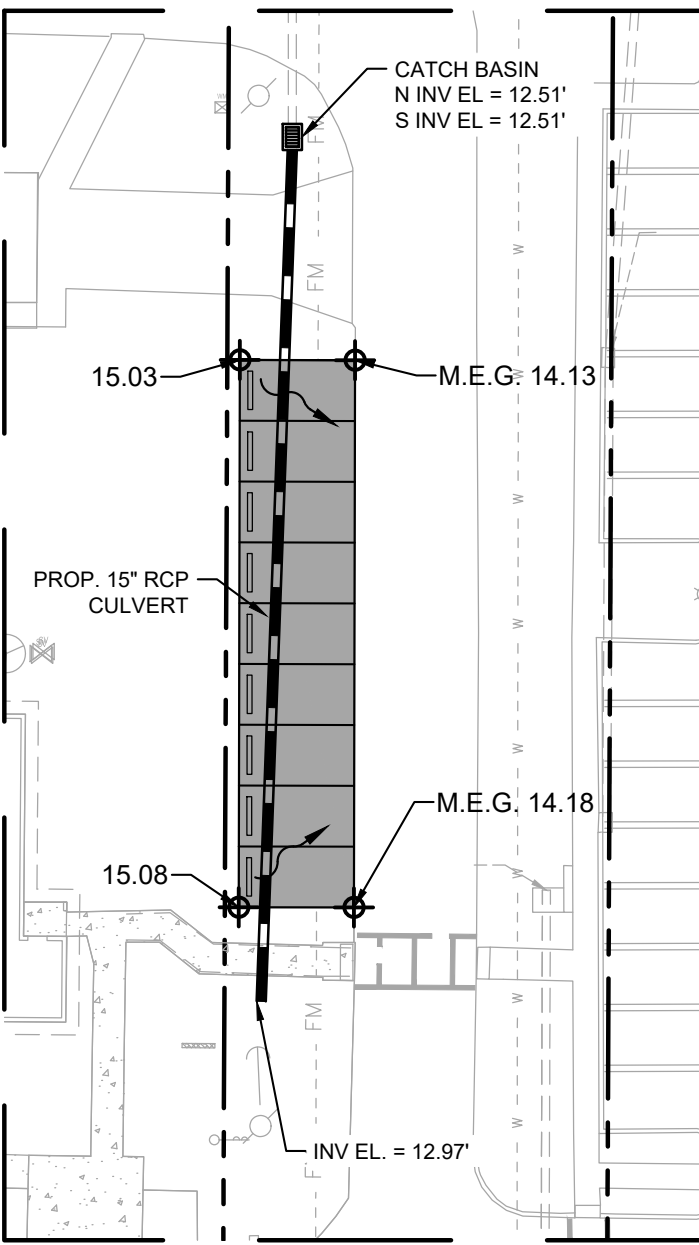
OCTAVIO "OATS" REIS, P.E.  
FLORIDA LICENSE NO. 65661

C-6

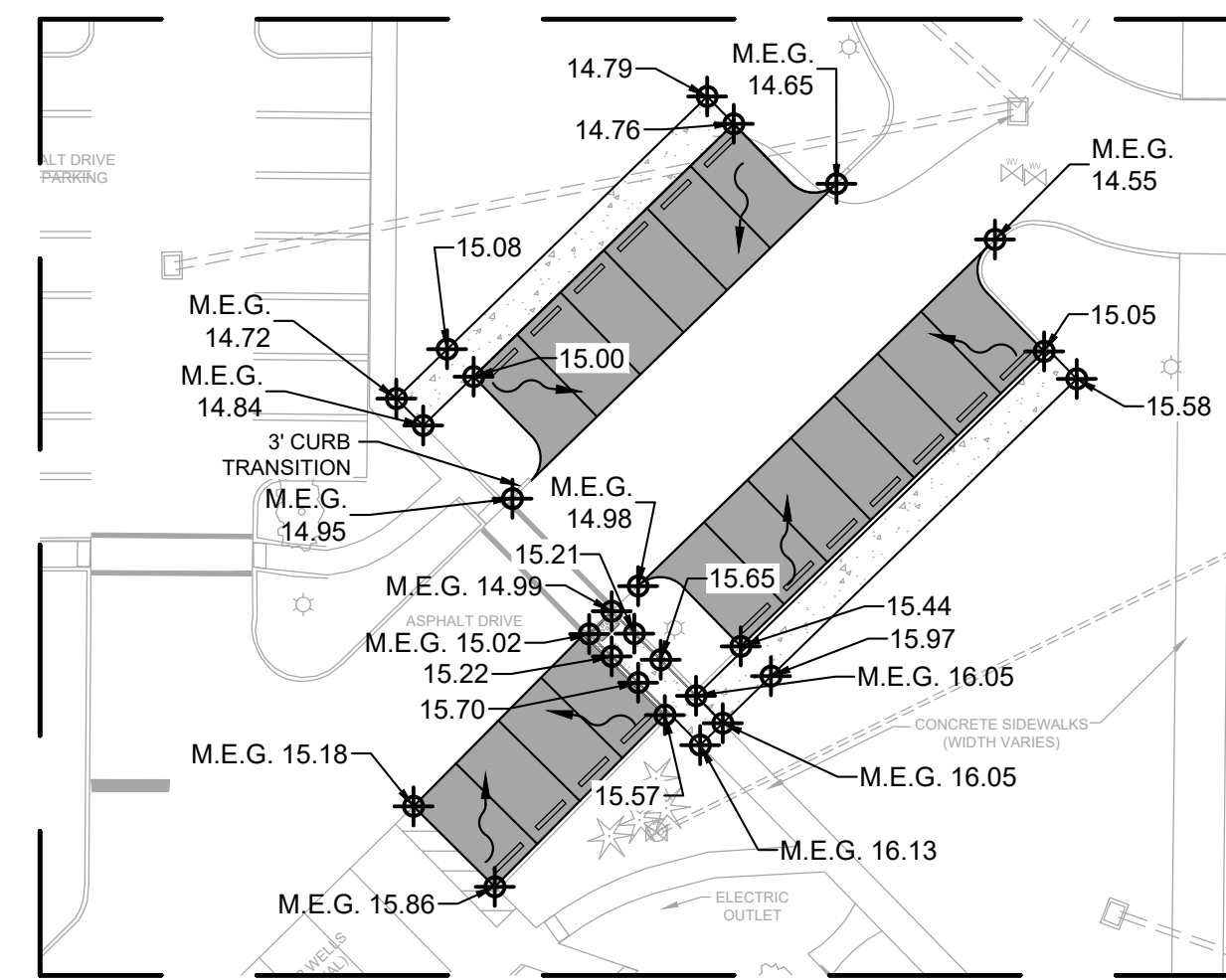
DATE: 06-28-24



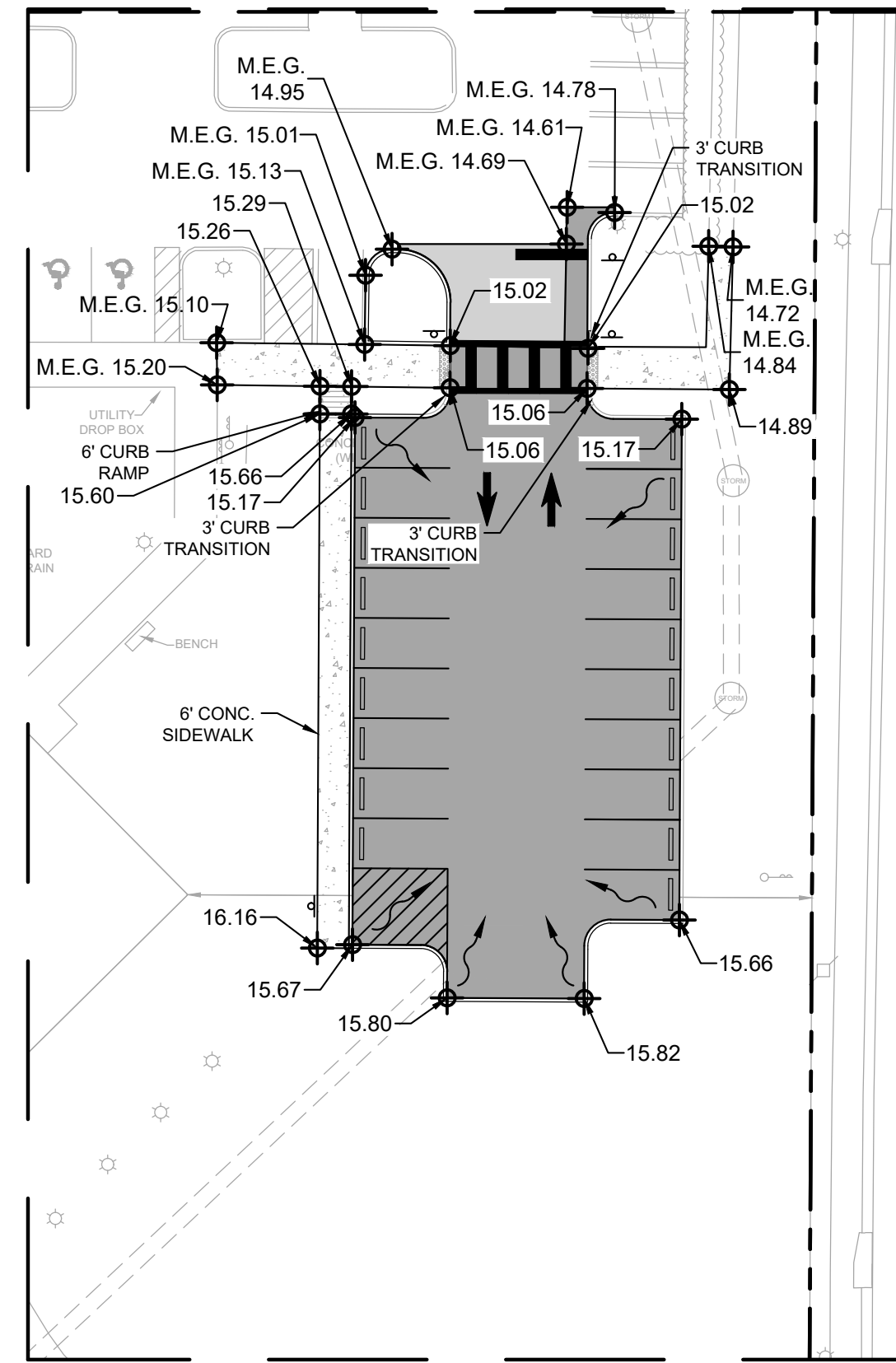
**OVERALL SITE PLAN**  
SCALE: 1"=100'



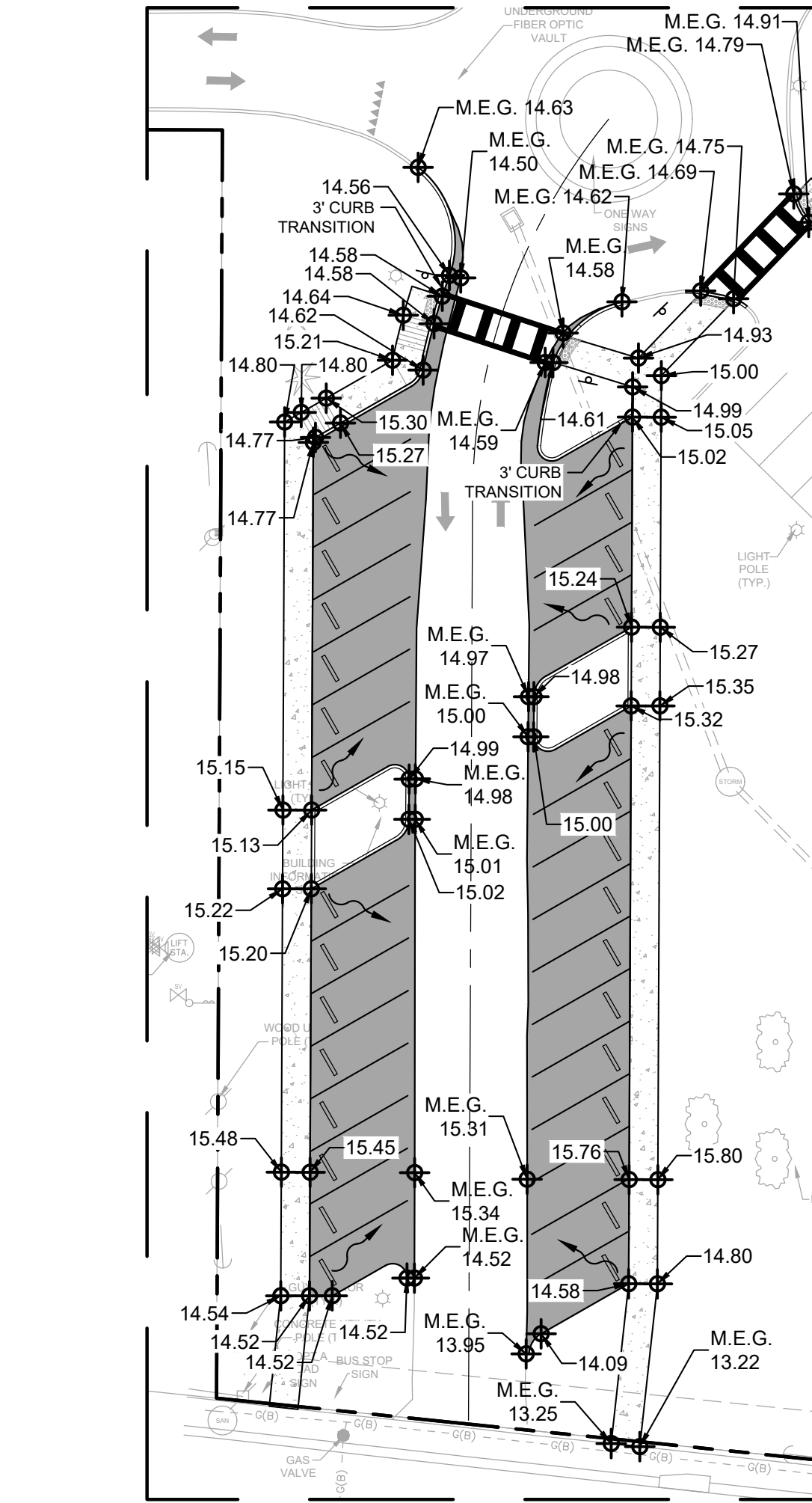
**DETAIL A**  
SCALE: 1"=30'



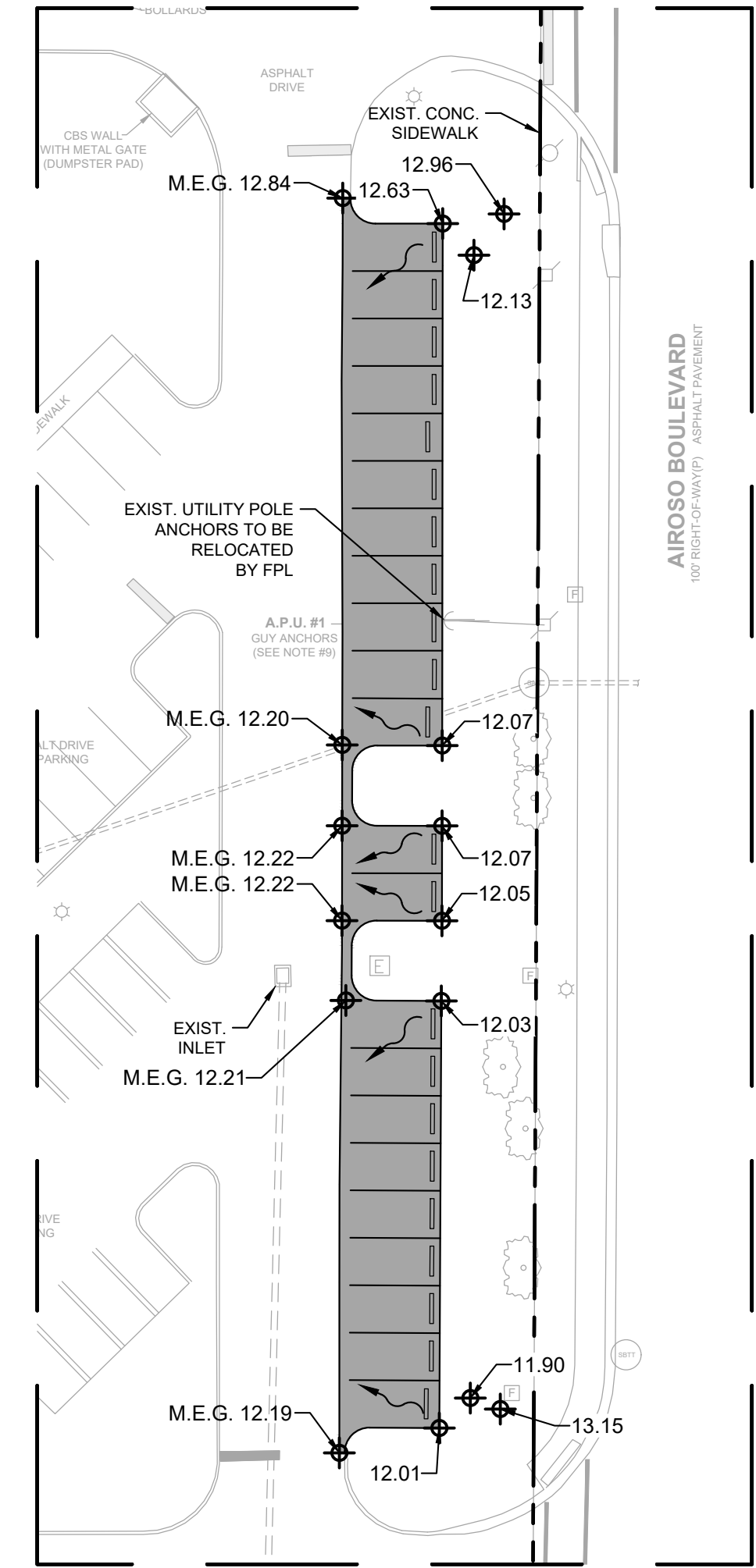
**DETAIL B**  
SCALE: 1"=30'



**DETAIL C**  
SCALE: 1"=30'



**DETAIL D**  
SCALE: 1"=30'



**DETAIL E**  
SCALE: 1"=30'

**DRAINAGE STATEMENT**  
The surface water management system for the proposed Parking Expansion at Port St. Lucie project will comply with the requirements of the South Florida Water Management District.  
Generally the proposed surface water management system for the Parking Expansion at Port St. Lucie will provide the following:

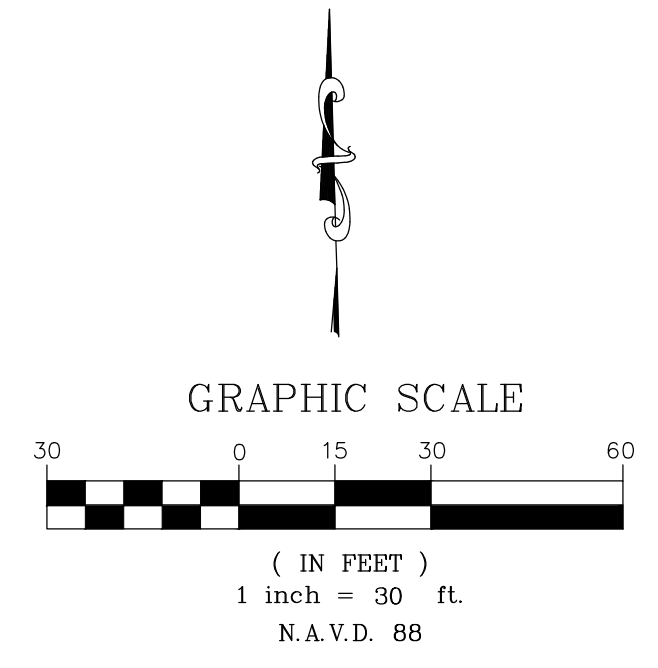
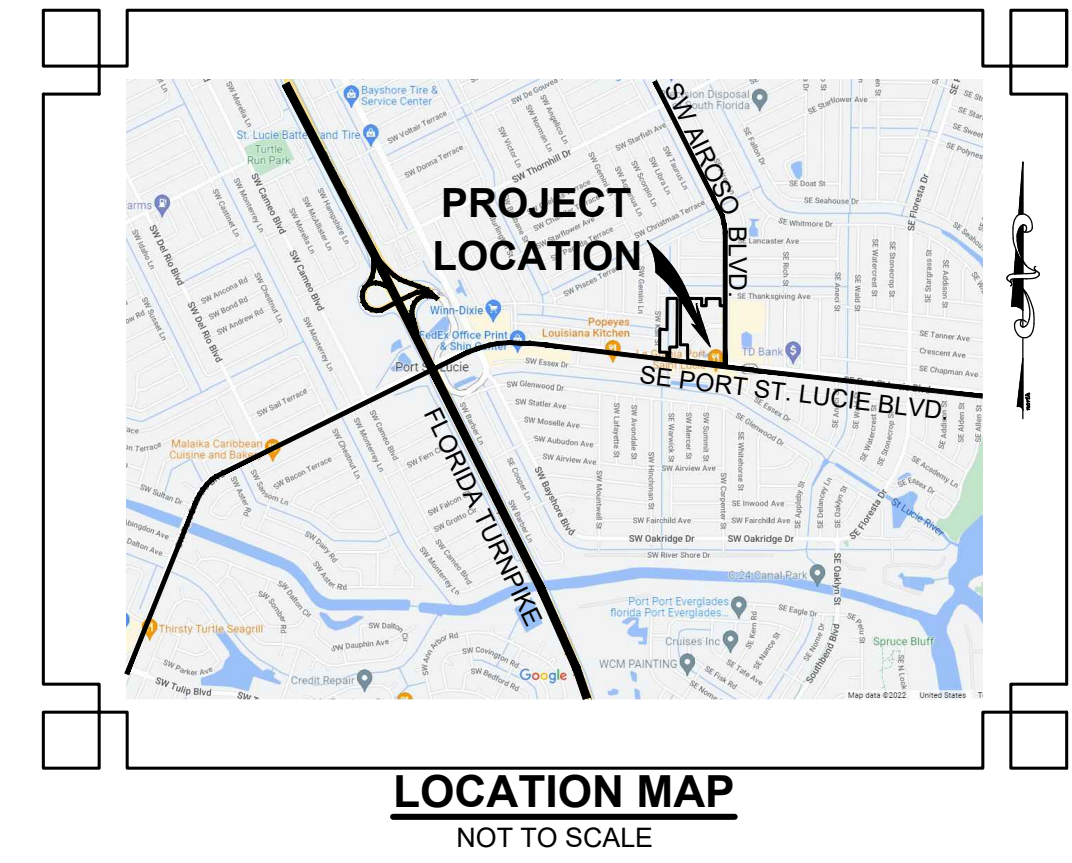
- On-site water quality for commercial uses.
- Required commercial dry-pre-treatment will be provided in infiltration trench and/or dry retention.
- Direct storm water runoff from the proposed project to be routed through the proposed on-site lake.
- Connection of the proposed on-site lake to the Port Saint Lucie D-27 drainage ditch which flows to the Kingsway Canal via an outfall system.

**LEGEND**

EXISTING	PROPOSED	
(Solid line)	(Dashed line)	= PROPERTY BOUNDARY
(Dotted line)	(Dotted line)	= PHASE BOUNDARY
(Thin solid line)	(Thin solid line)	= EASEMENT
(Thin solid line)	(Thin solid line)	= PARCEL LINE
(Circle with number)	(Circle with number)	= NUMBER OF PARKING SPACES
(Square with number)	(Square with number)	= LIGHT POLE
(Triangle with number)	(Triangle with number)	= SIGN
(Circle with 'F')	(Circle with 'F')	= FDC W/ SIGN
(Dashed line)	(Dashed line)	= 5' DECORATIVE FENCE
(Dashed line)	(Dashed line)	= 6' BUFFER WALL
(Dashed line)	(Dashed line)	= RETAINING WALL
(Dashed line)	(Dashed line)	= UNDERGROUND FPL (BY OTHERS)
(Dashed line)	(Dashed line)	= SECONDARY ELCTRIC LINE
(Dashed line)	(Dashed line)	= FIBER OPTIC CABLE (BY OTHERS)
(Square with 'T')	(Square with 'T')	= TRANSFORMER
(Circle with 'W')	(Circle with 'W')	= WATER LINE
(Circle with 'S')	(Circle with 'S')	= SANITARY SEWER
(Circle with 'D')	(Circle with 'D')	= DRAINAGE PIPE
(Circle with 'F')	(Circle with 'F')	= FIRE HYDRANT
(Circle with 'V')	(Circle with 'V')	= WATER VALVE
(Circle with 'M')	(Circle with 'M')	= SANITARY SEWER MANHOLE
(Circle with 'D')	(Circle with 'D')	= DRAINAGE STRUCTURE
(Circle with 'C')	(Circle with 'C')	= CONDENSER UNITS

**GRADING PLAN LEGEND**

(Dotted line)	= EXISTING ELEVATION
(Solid line)	= FINISHED GRADE
(Dotted line)	= MATCH EXISTING GRADE
(Hatched area)	= ASPHALT PAVEMENT
(Arrow)	= DIRECTION OF FLOW



NO.	REVISION	DATE
PERMIT SET	06/28/2024	

CONSULTANT:

Port St. Lucie City Hall  
PSL Municipal Complex Parking Expansion  
121 SW Port St. Lucie Blvd.  
Building A, Port St. Lucie, FL 34984

**CPZ ARCHITECTS, INC.**  
3145 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8525  
AA #2600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**Paving, Grading & Drainage Plan**  
DRAWN RHO  
CHECKED OR  
DATE 06.28.24  
SCALE AS NOTED  
PRJCT# P22-339-A2  
SHEET:

**Bowman**  
CONSULTING  
PROFESSIONAL SURVEYORS AND MAPPERS, CERTIFICATE NO. LB. 8030  
BOARD OF PROFESSIONAL ENGINEERS, CERTIFICATE OF AUTHORIZATION NO. 30462

OCTAVIO "OATS" REIS, P.E.  
FLORIDA LICENSE NO. 65661

C-7

DATE: 06-28-24

v:\31121 - port st lucie\01112 - 01-082 (eng) - pd - city hall\cadd\engineering\CADD\_plans (dwg)\31121-01-002-PGD.dwg 07/02/24 09:42:11 AM





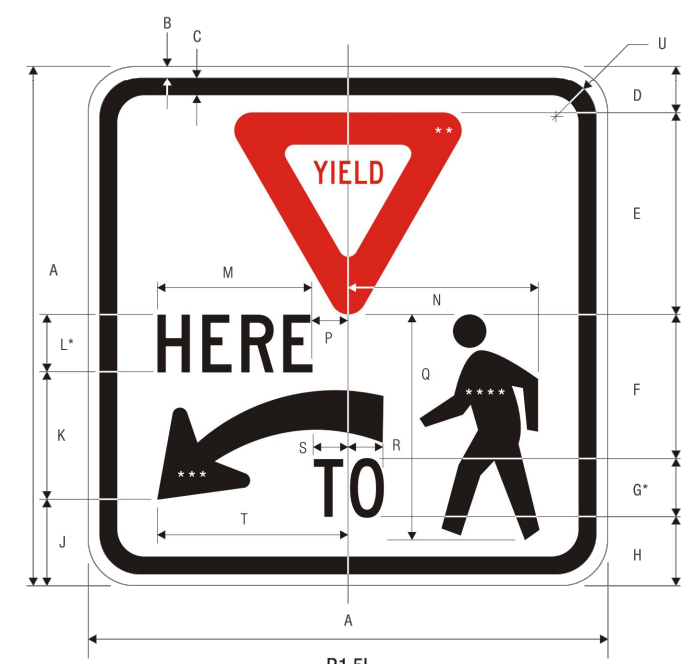


Table with dimensions A-L for R1-5L sign.

Table with dimensions M-U for R1-5L sign.

COLORS: LEGEND & ARROW - BLACK, RED SYMBOL - BLACK, BACKGROUND - WHITE (RETROREFLECTIVE), YIELD SYMBOL - RED (RETROREFLECTIVE), XXX

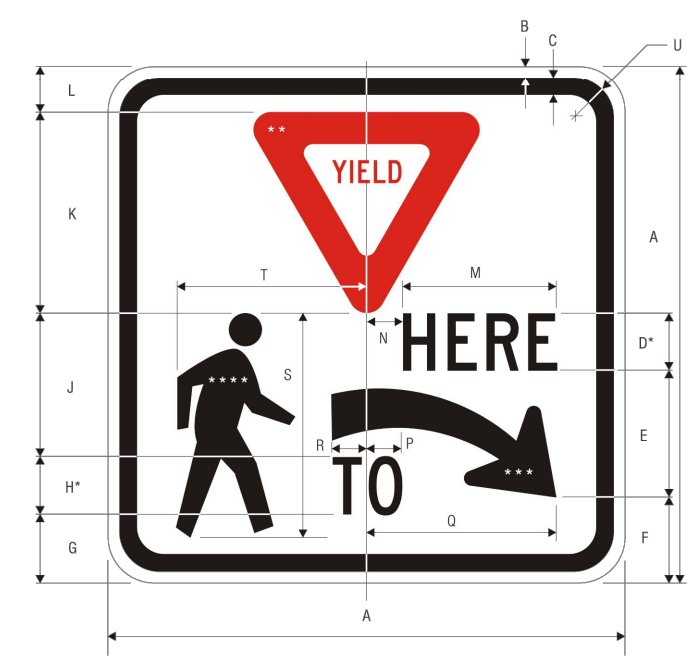


Table with dimensions A-L for R1-5R sign.

Table with dimensions M-U for R1-5R sign.

COLORS: LEGEND & ARROW - BLACK, RED SYMBOL - BLACK, BACKGROUND - WHITE (RETROREFLECTIVE), YIELD SYMBOL - RED (RETROREFLECTIVE), XXX

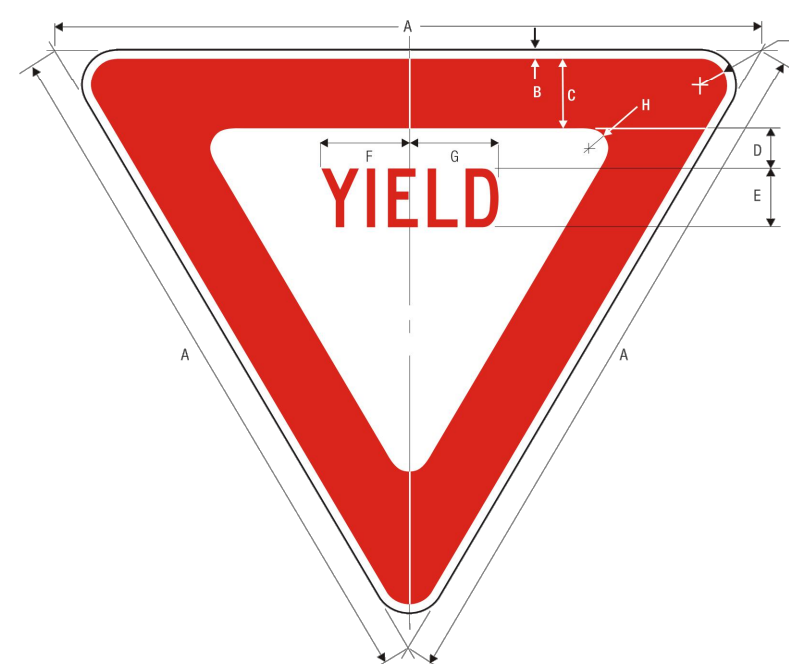


Table with dimensions A-J for R1-2 sign.

COLORS: LEGEND - RED (RETROREFLECTIVE), BACKGROUND - WHITE (RETROREFLECTIVE), 1-2

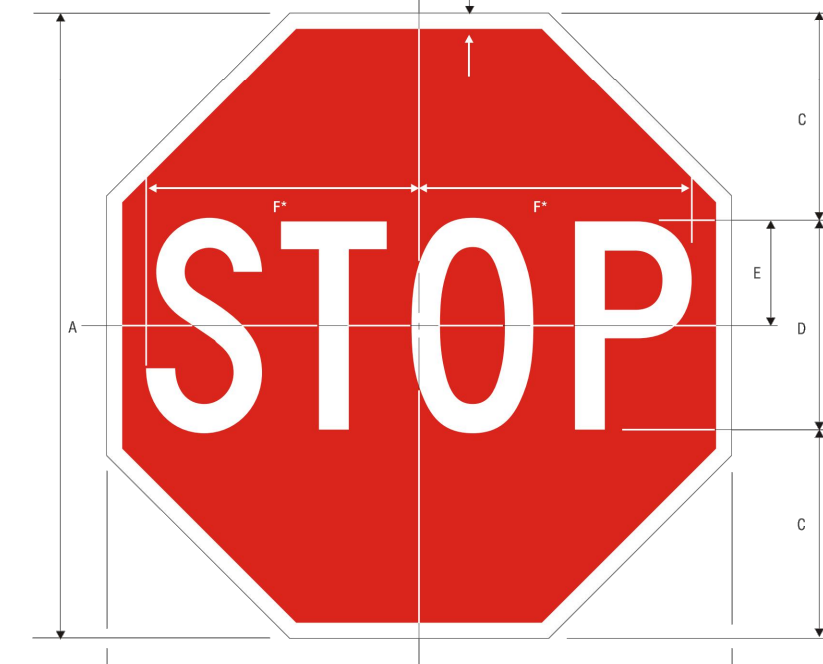
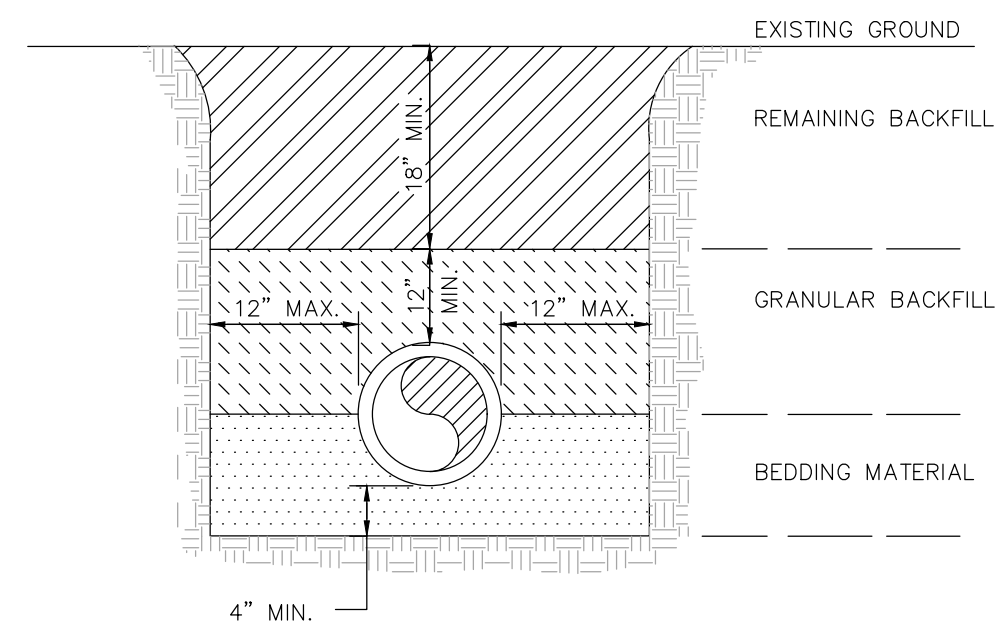
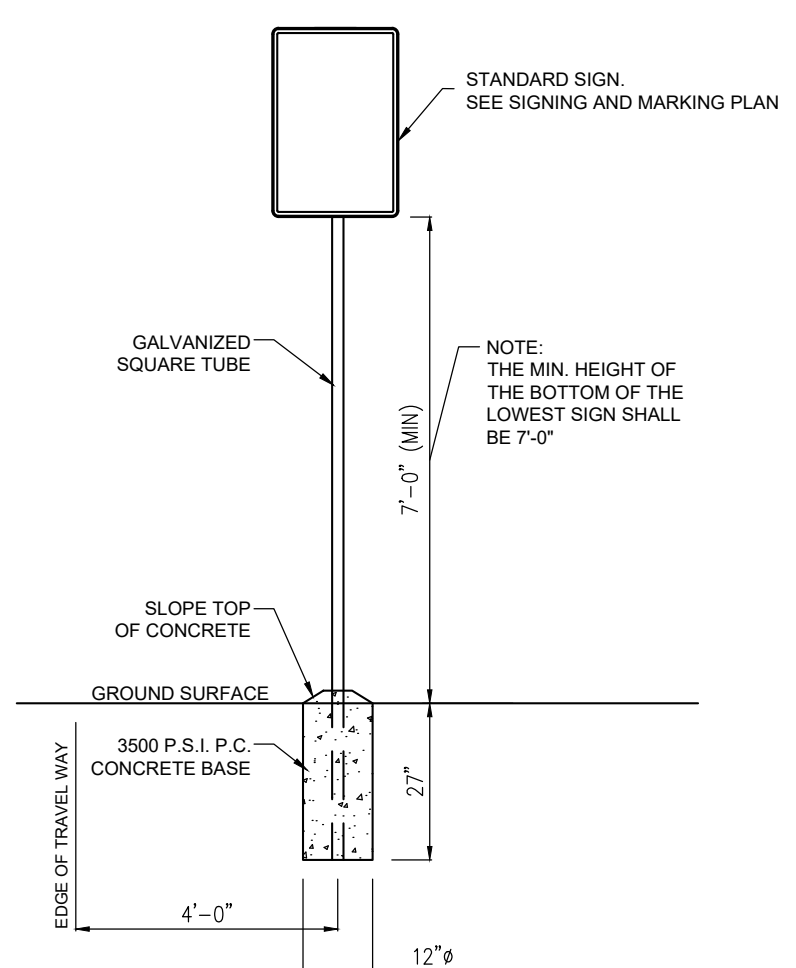


Table with dimensions A-F for R1-1 sign.

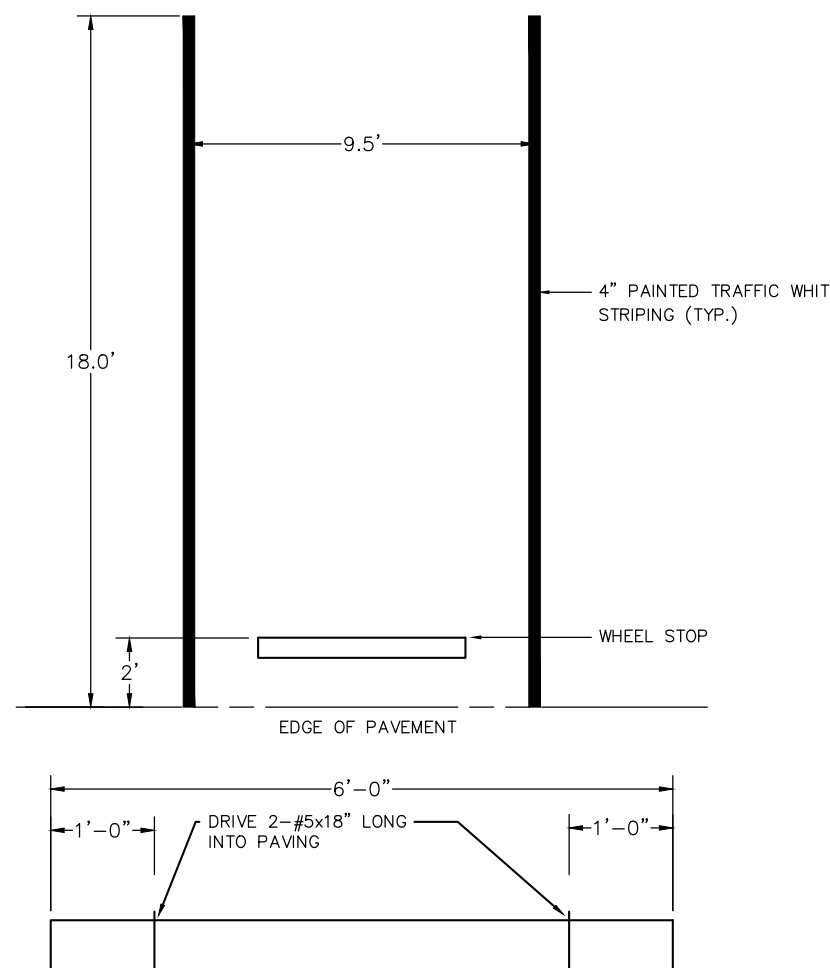
COLORS: LEGEND - WHITE (RETROREFLECTIVE), BACKGROUND - RED (RETROREFLECTIVE), 1-1



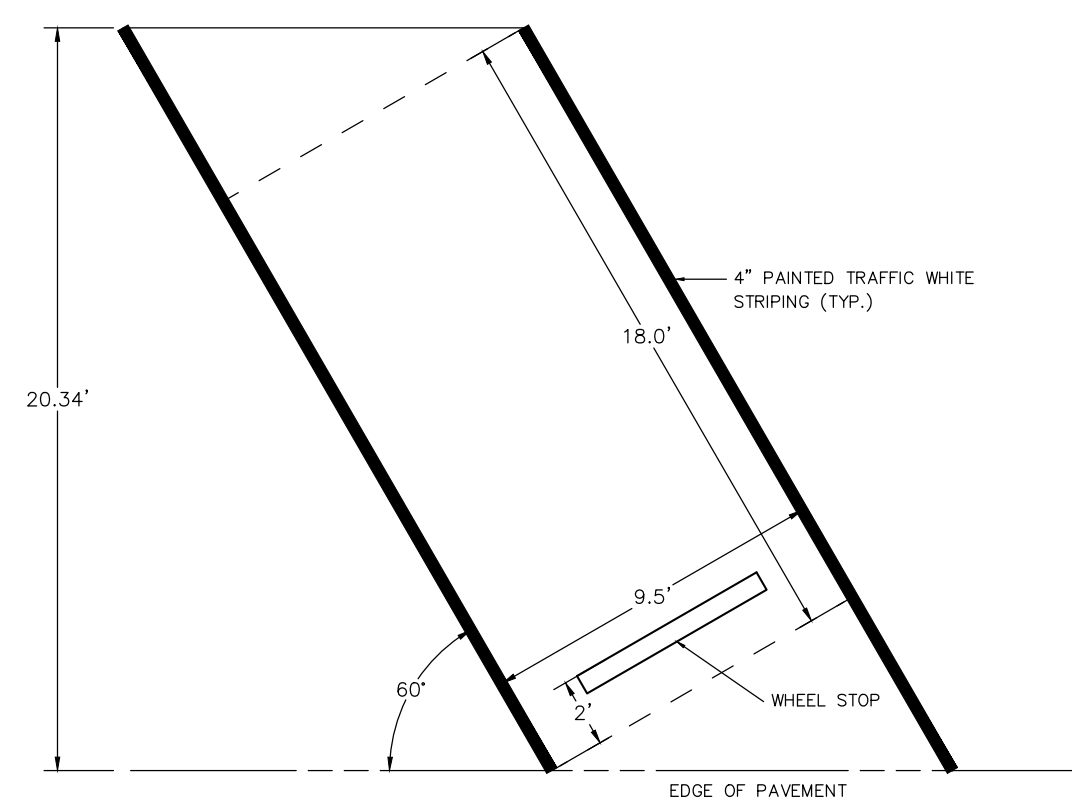
- NOTES: 1. BEDDING MATERIAL SHALL BE HAND PLACED IN 6" LIFTS... 2. THE PIPE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH... 3. THE PIPE SHALL BE PLACED IN A DRY TRENCH... 4. BACKFILL SHALL BE DONE WITH APPROVED MATERIAL... 5. BACKFILL TO BE COMPACTED ALONG THE SIDES OF THE PIPE... 6. A. WHERE PAVEMENT IS TO BE CONSTRUCTED OVER THE PIPE... B. WHERE 'NO' PAVEMENT IS TO BE CONSTRUCTED OVER THE PIPE... 7. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL TRENCH SAFETY REGULATIONS



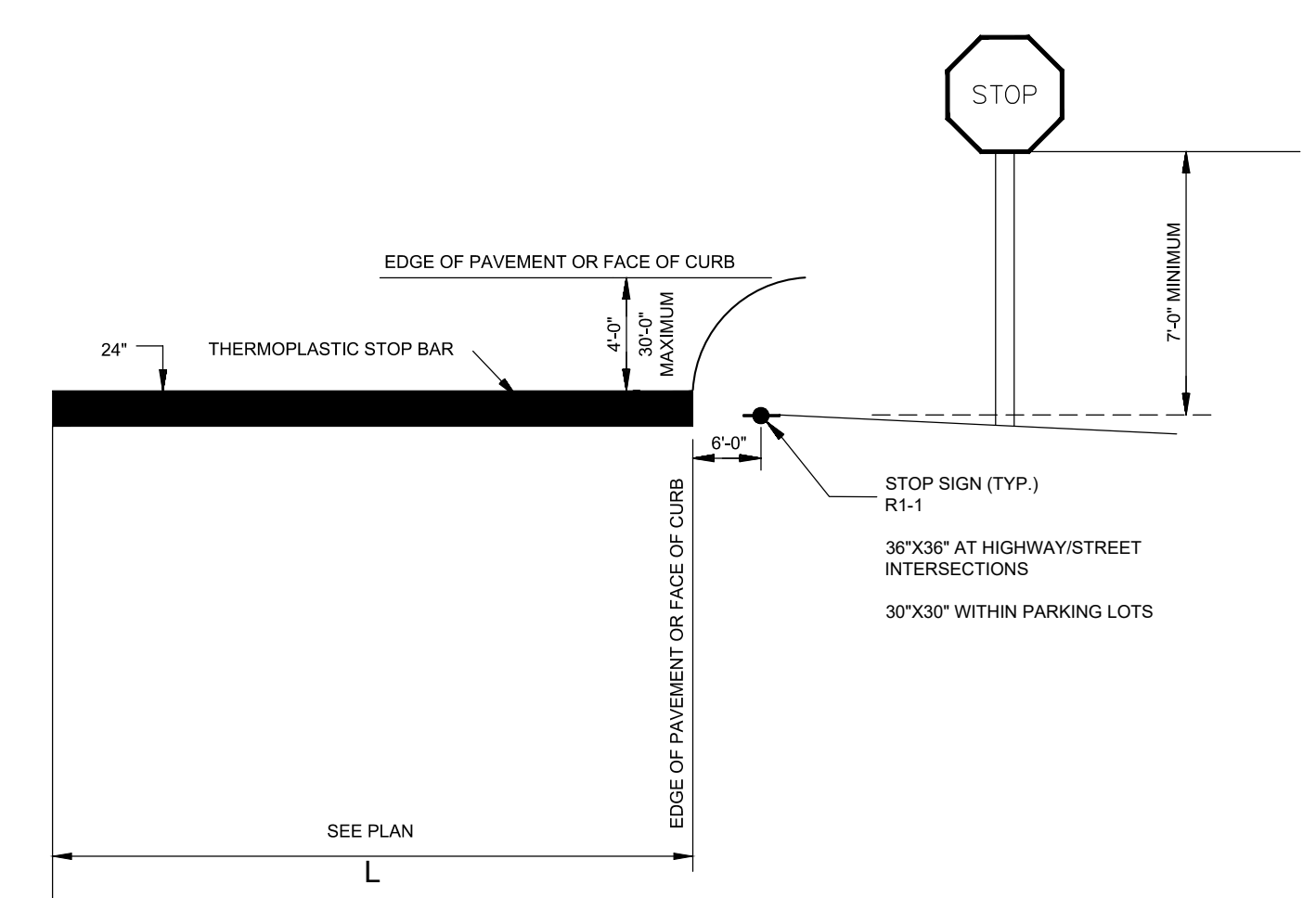
- NOTES: 1. ALL SIGNS SHALL COMPLY WITH FLORIDA DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATIONS' MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES... 2. GALVANIZED SQUARE TUBE... POST TUBE SHALL MEET ASTM A1011 GRADE 50... ANCHOR TUBE - 2-1/4"x2-1/4"x3/16" 14ga... THE UPPER SIGN POST SHALL TELESCOPE INSIDE THE ANCHOR TUBE...



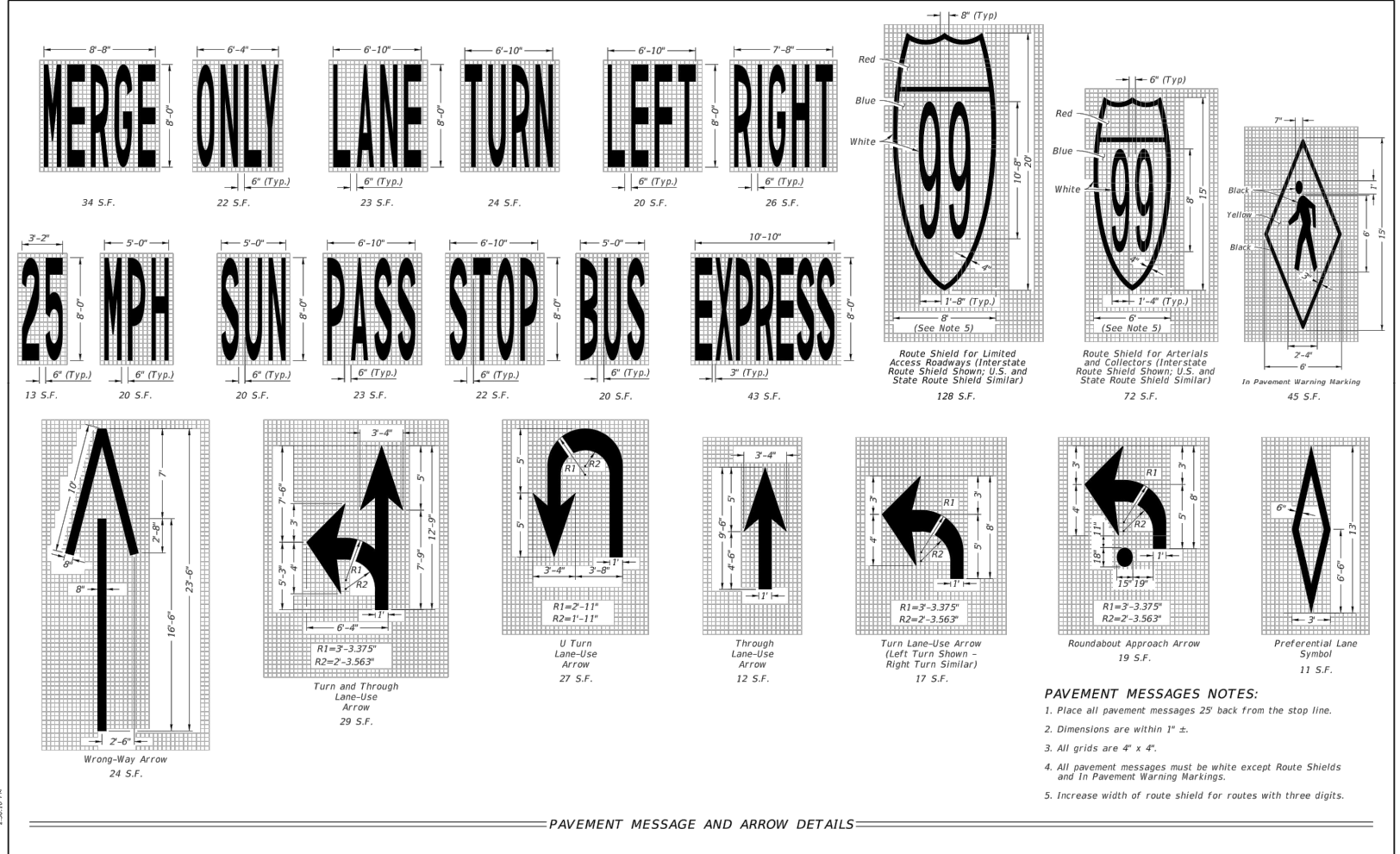
STANDARD PARKING DETAIL WITH WHEEL STOP N.T.S.



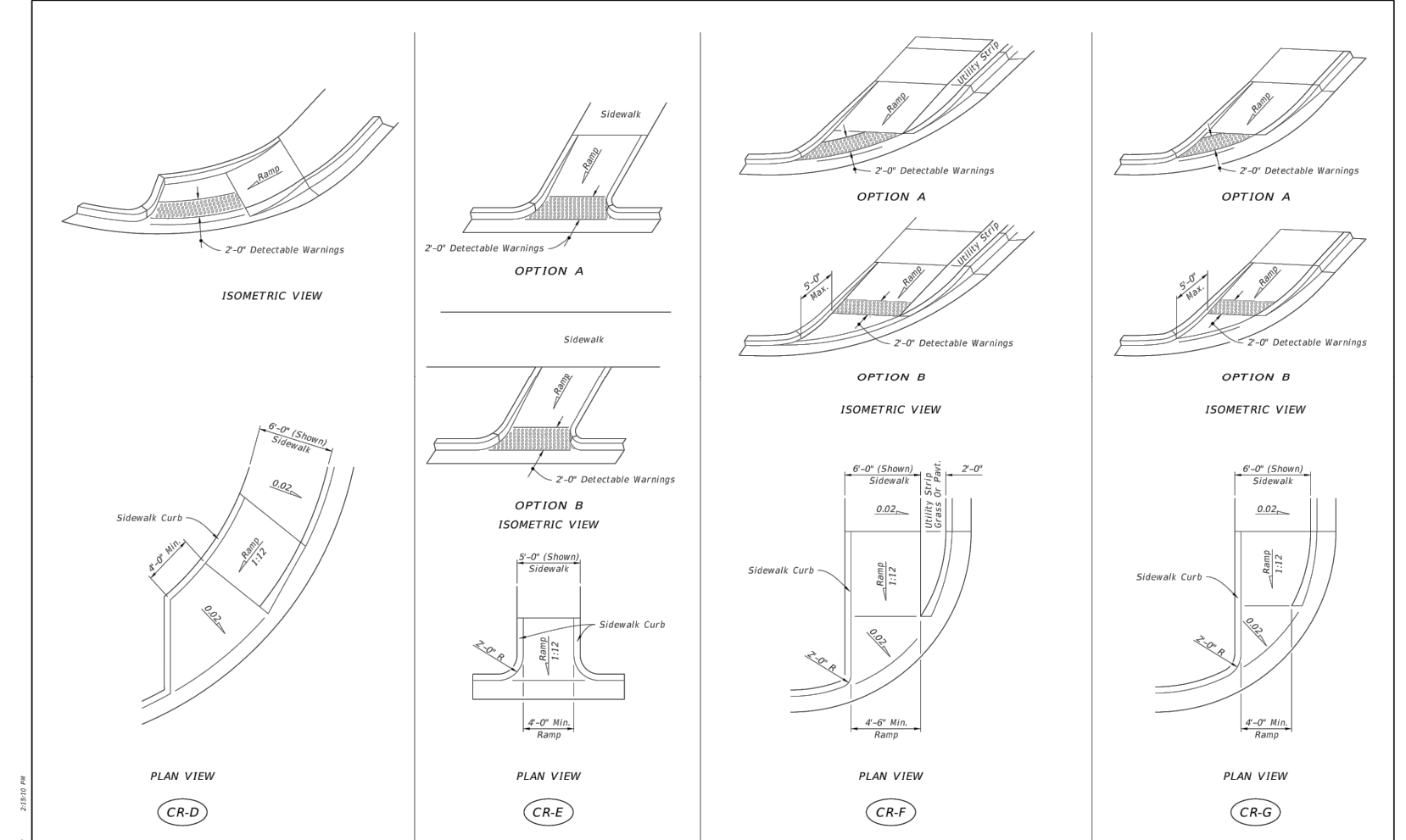
60° PARKING DETAIL N.T.S.



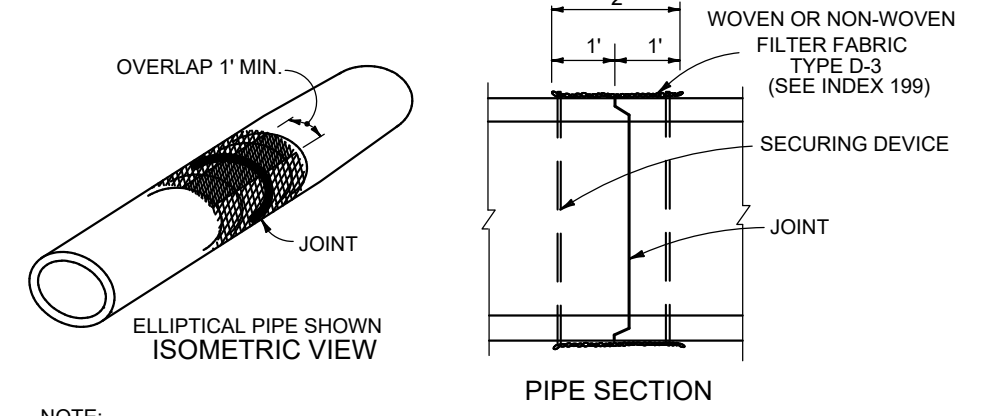
- NOTES: 1. INSTALLATION OF STOP SIGNS SHALL BE IN ACCORDANCE WITH THE SECTION 28.04 OF THE MUTCD... 2. A STOP BAR OR LINE IS REQUIRED AT EACH LOCATION WHERE A STOP SIGN EXISTS...



PAVEMENT MESSAGE AND ARROW DETAILS



SIDEWALK CURB RAMPS CR-D, CR-E, CR-F & CR-G



PIPE JOINT FILTER FABRIC JACKET N.T.S.

Port St. Lucie City Hall
Port St. Lucie Municipal Complex Parking Expansion
121 SW Port St. Lucie Blvd.
Building A, Port St. Lucie, FL 34984

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3145 WEST BROWARD BOULEVARD
PLANTATION, FLORIDA 33317
PHONE: (954) 792-8525
AA #2600685 WWW.CPZARCHITECTS.COM



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CHECKED OR
DATE 06.28.24
SCALE AS NOTED
PRJCT# P22-339-A2
SHEET:



OCTAVIO "OATS" REIS, P.E.
FLORIDA LICENSE NO. 65661

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