

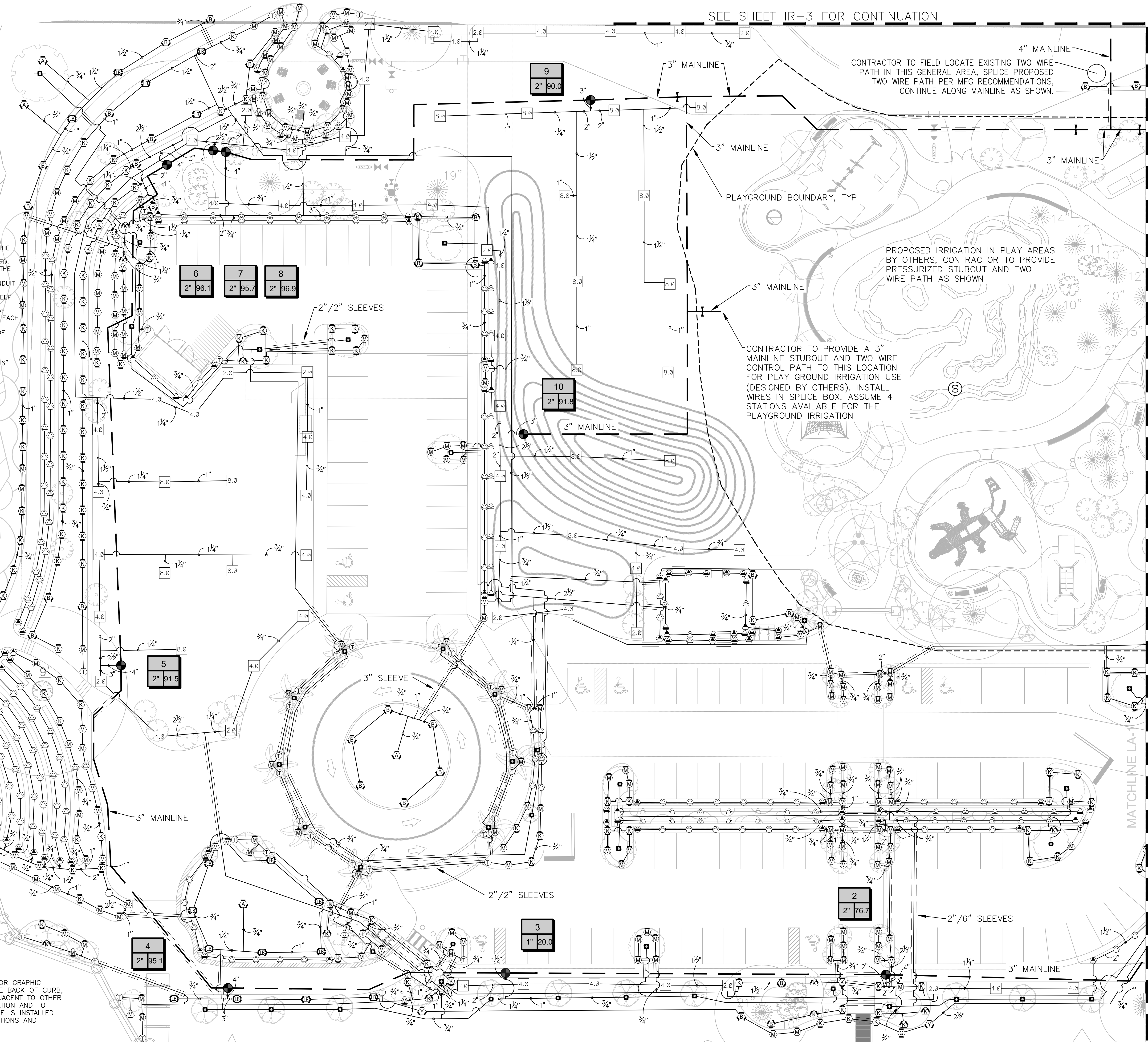
SEE SHEET IR-3 FOR CONTINUATION

PIPE SIZE	SLEEVING PIPE SIZE
3/4"	2"
1"	2"
1-1/4"	3"
1-1/2"	3"
2"	4"
3"	6"
4"	8"
6"	12"
8"	16"

- SLEEVING NOTES:**
- VEHICULAR CROSSINGS ARE SHOWN AND SIZED ON THE PLANS.
 - NON-VEHICULAR SLEEVES ARE SHOWN BUT NOT SIZED.
 - SIZE ALL NON-VEHICULAR SLEEVES ACCORDING TO THE ABOVE CHART.
 - MAINLINE CROSSINGS MUST ALSO INCLUDE A 2" CONDUIT SLEEVE FOR CONTROL WIRE.
 - CONTRACTOR TO DUCT TAPE END OF SLEEVES TO KEEP SLEEVE CLEAN AND CLEAR.
 - CONTRACTOR TO STAKE END OF EACH SLEEVE ABOVE GROUND AND PAINT FLUORESCENT ORANGE. LABEL EACH STAKE WITH THE WORD 'SLEEVE' AND ITS SIZE.
 - CONTRACTOR TO PROVIDE A 3 FT MINIMUM DEPTH OF COVERAGE OVER ALL SLEEVES.

SLEEVE LABEL:
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CONTRACTOR TO FIELD LOCATE EXISTING TWO WIRE PATH IN THIS GENERAL AREA, SPLICE PROPOSED TWO WIRE PATH PER MFG RECOMMENDATIONS, CONTINUE ALONG MAINLINE AS SHOWN.

PROPOSED IRRIGATION IN PLAY AREAS BY OTHERS, CONTRACTOR TO PROVIDE PRESSURIZED STUBOUT AND TWO WIRE PATH AS SHOWN

CONTRACTOR TO PROVIDE A 3" MAINLINE STUBOUT AND TWO WIRE CONTROL PATH TO THIS LOCATION FOR PLAY GROUND IRRIGATION USE (DESIGNED BY OTHERS). INSTALL WIRES IN SPLICE BOX. ASSUME 4 STATIONS AVAILABLE FOR THE PLAYGROUND IRRIGATION

Key / Location:

PROJECT LOCATION

Not to Scale

Project Team:

Masuen Consulting LLC
 Water Management Consultants
 301 S. Washington, Suite F
 Newport, WA 99156
 Telephone (866) 928-1533
 Fax (800) 928-1534

PROUDLY DESIGNED AND PRODUCED IN THE USA

Westmoreland Riverwalk Irrigation Plan

Port St. Lucie, Florida
 Owner/Developer: City of Port St. Lucie

Date	By	Description
10/29/21	JJ	Resubmittal

SCALE: 1" = 20'

REG. # 1018
 Thomas P. Lucido

Designer JJ Sheet
 Manager MW
 Project Number 20-110
 Municipal Number P17-004-A2
 Computer File 20-110 Westmoreland_IR.dwg

IR-1

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SEE SHEET IR-2 FOR CONTINUATION

MATCHLINE LA-1

Key / Location:

PROJECT LOCATION

Not to Scale

Project Team:

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Westmoreland Riverwalk Irrigation Plan

Port St. Lucie, Florida
 Owner/Developer: City of Port St. Lucie

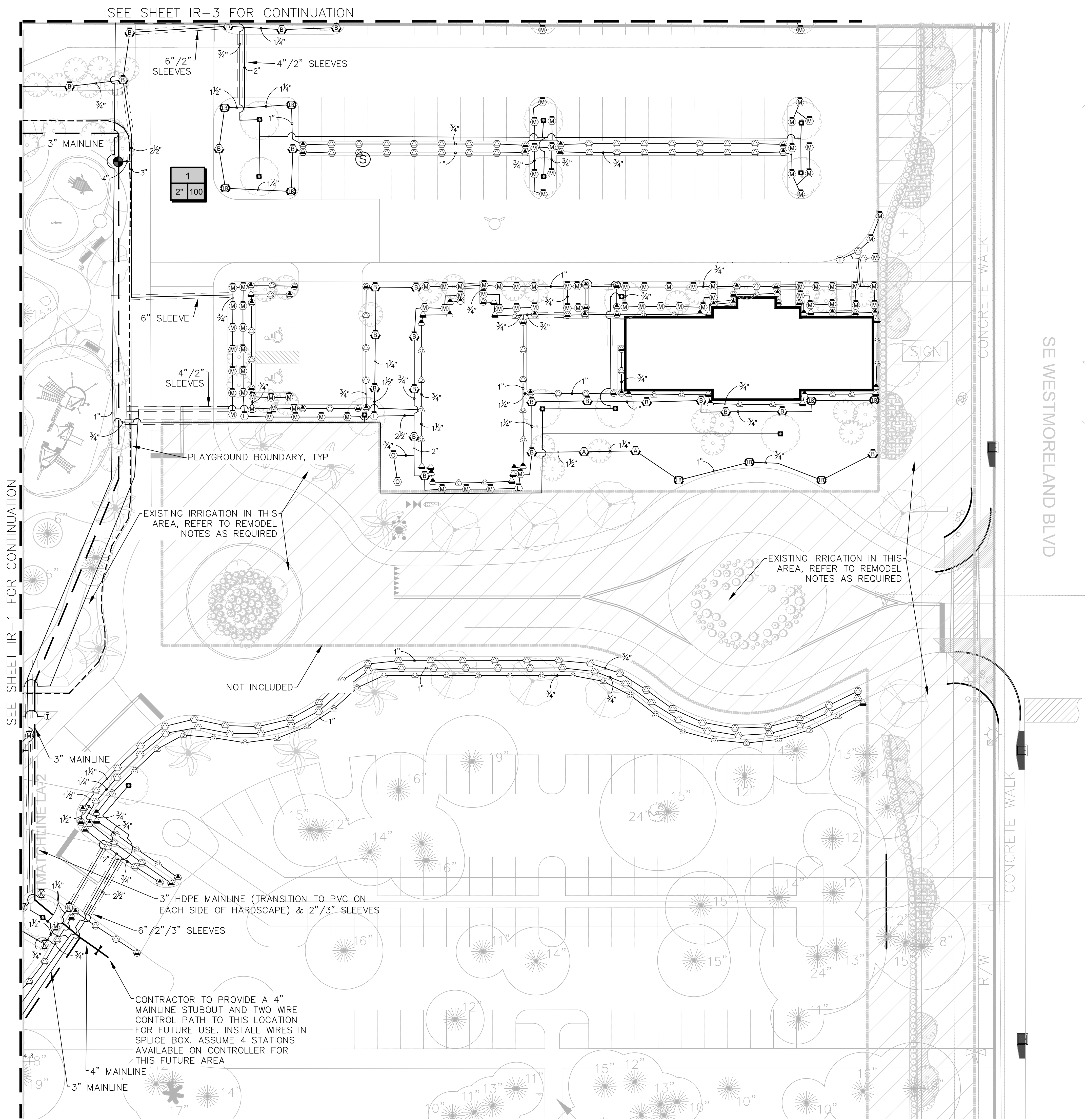
Date	By	Description
10/29/21	JJ	Resubmittal

SCALE: 1" = 20'

REG. # 1018
 Thomas P. Lucido

Designer	JJ	Sheet
Manager	MW	IR-2
Project Number	20-110	
Municipal Number	P17-004-A2	
Computer File	20-110 Westmoreland_IR.dwg	

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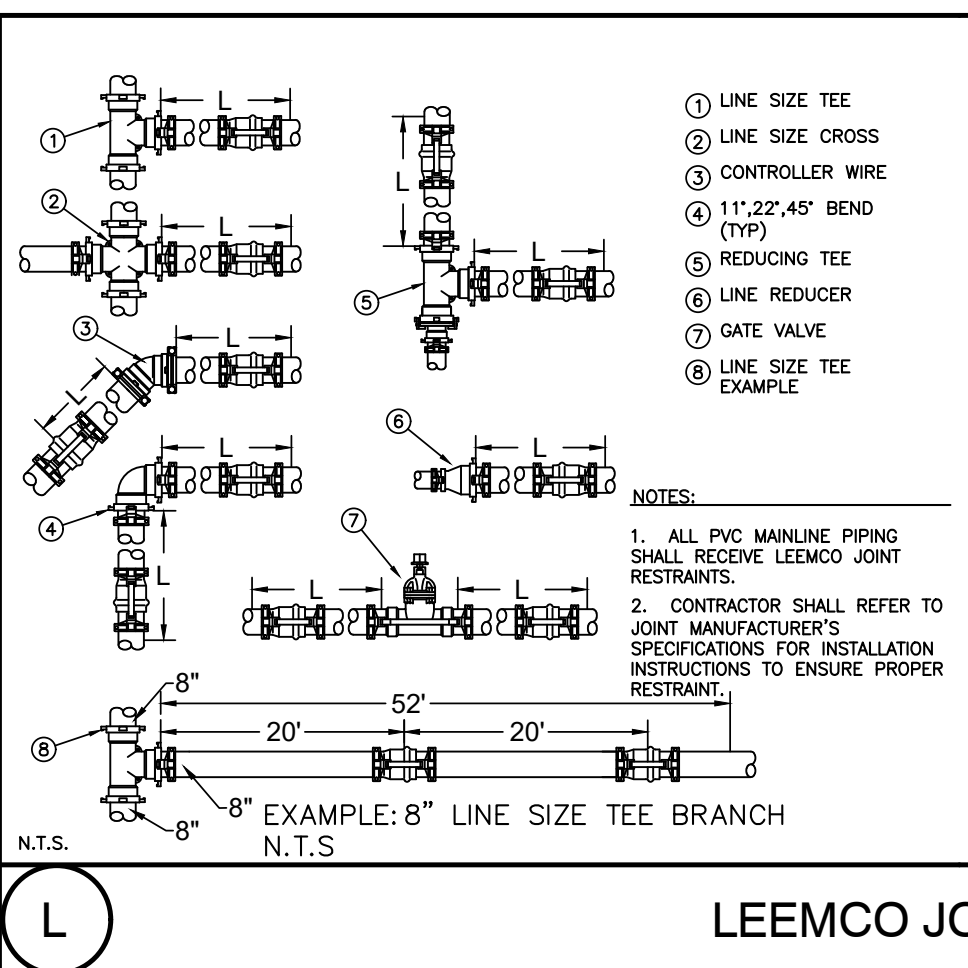
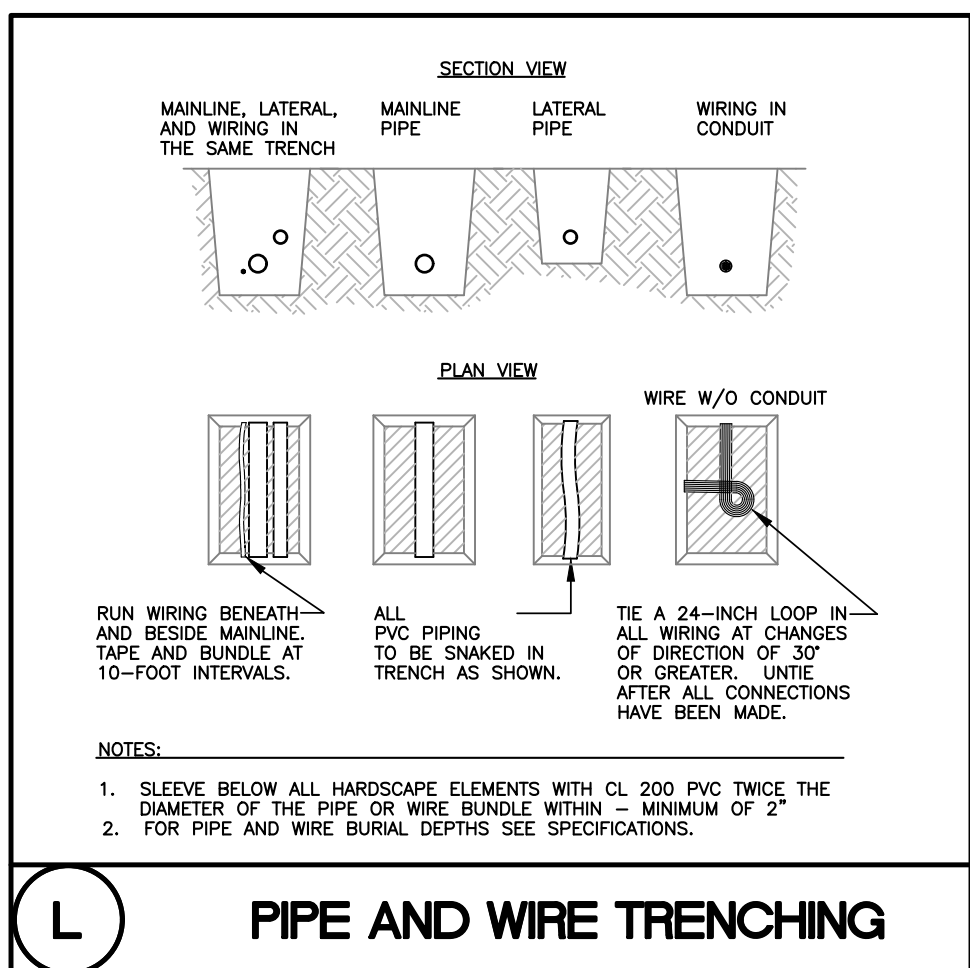
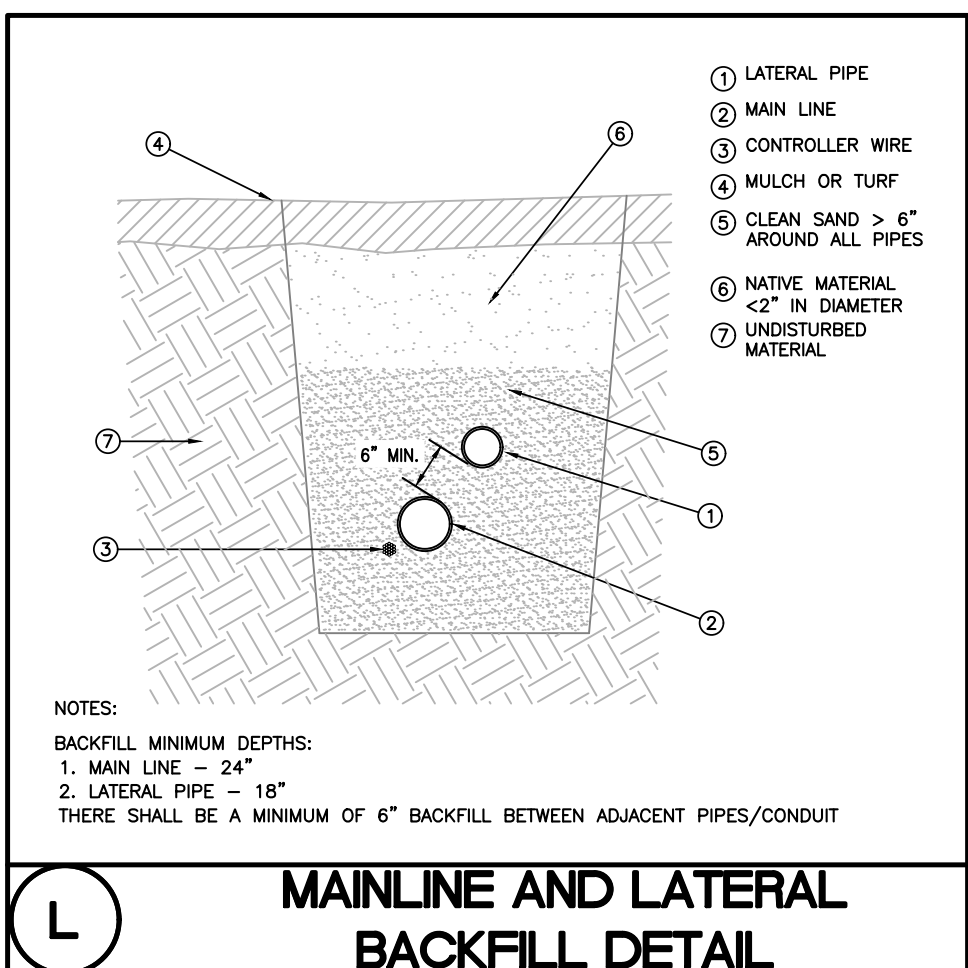
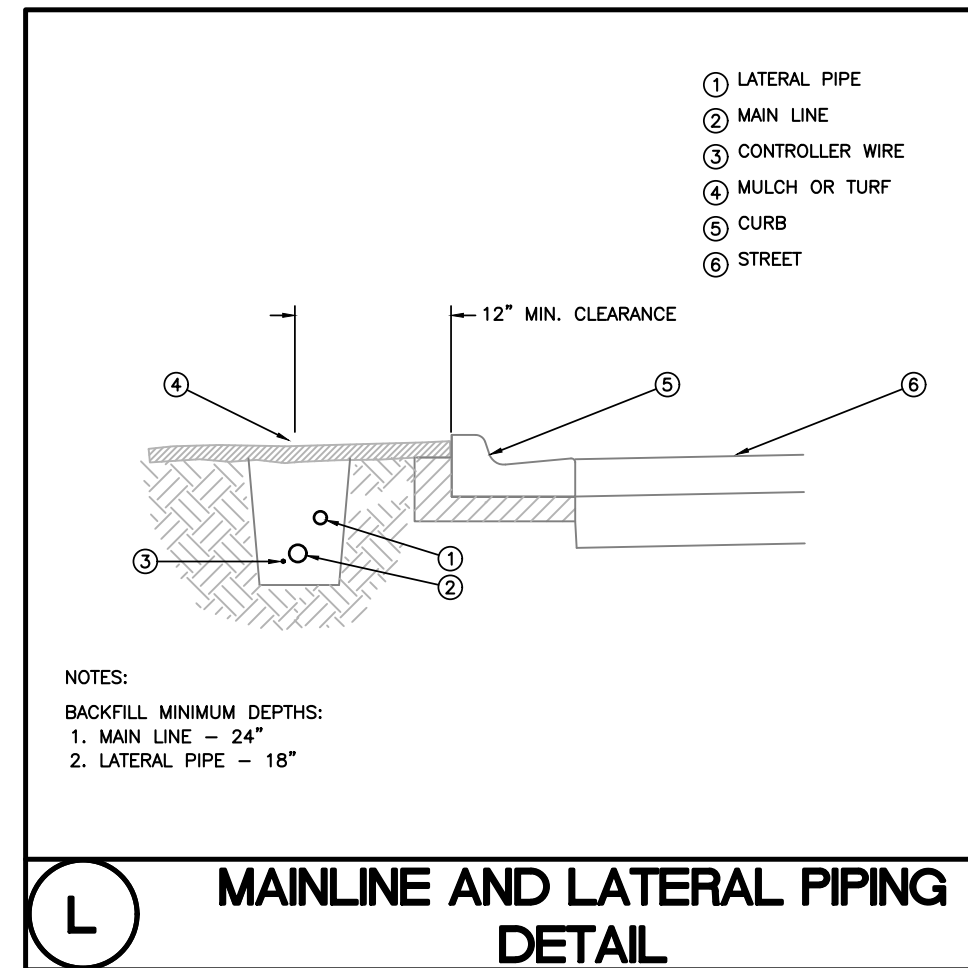
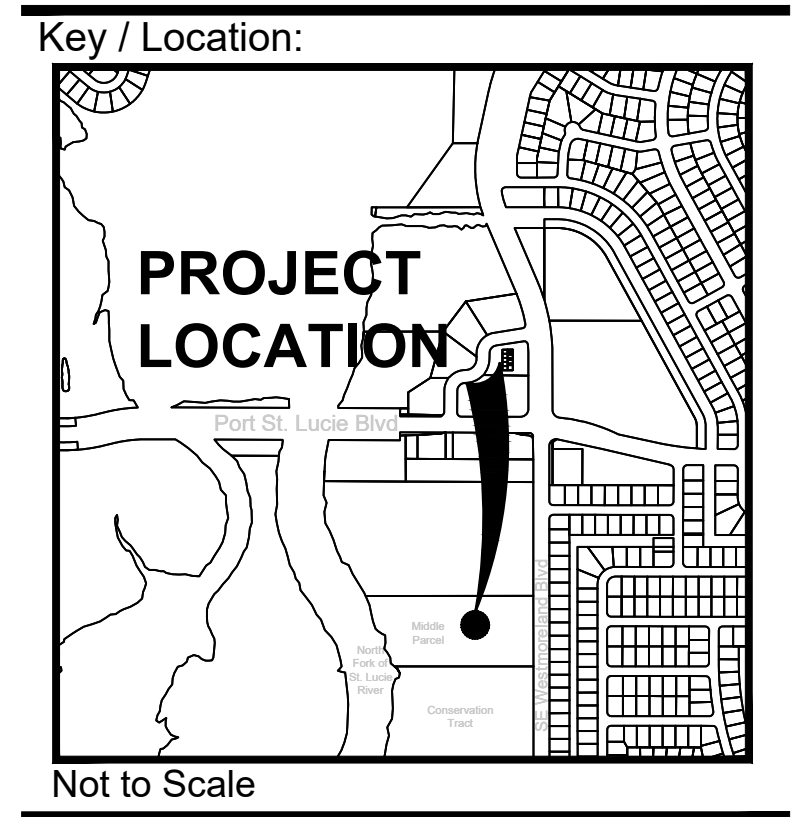
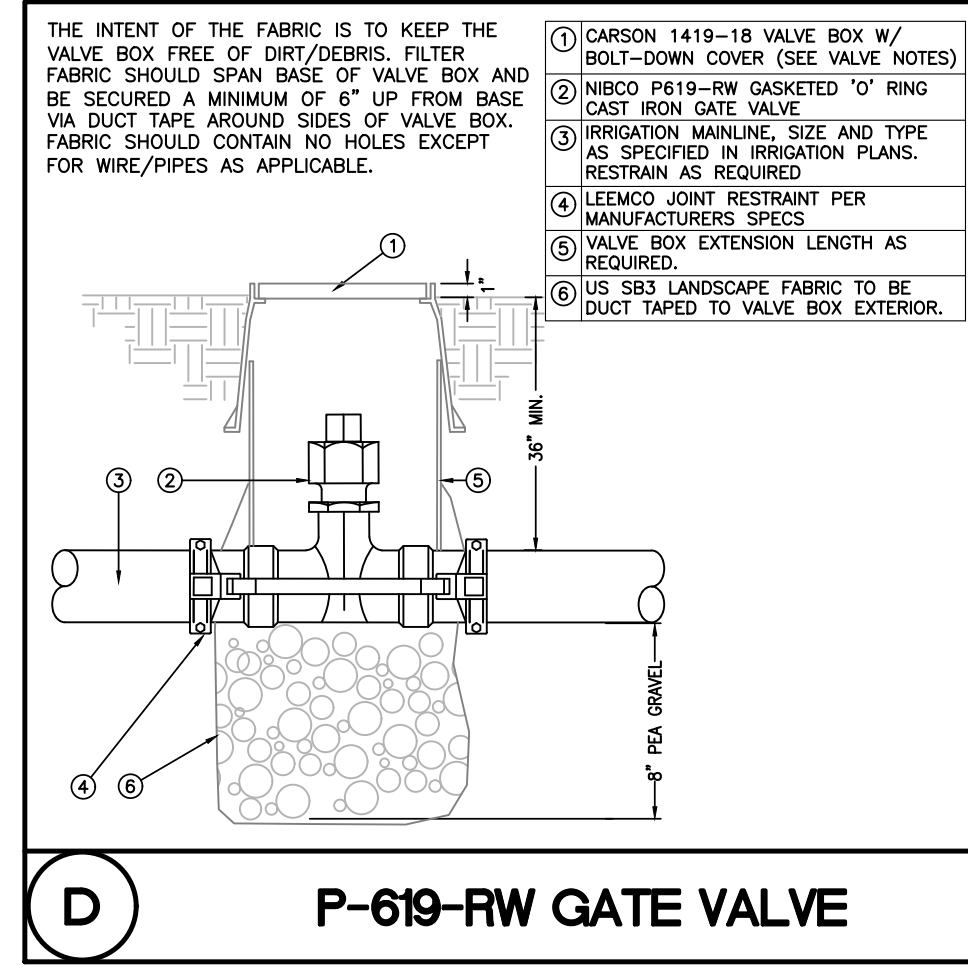
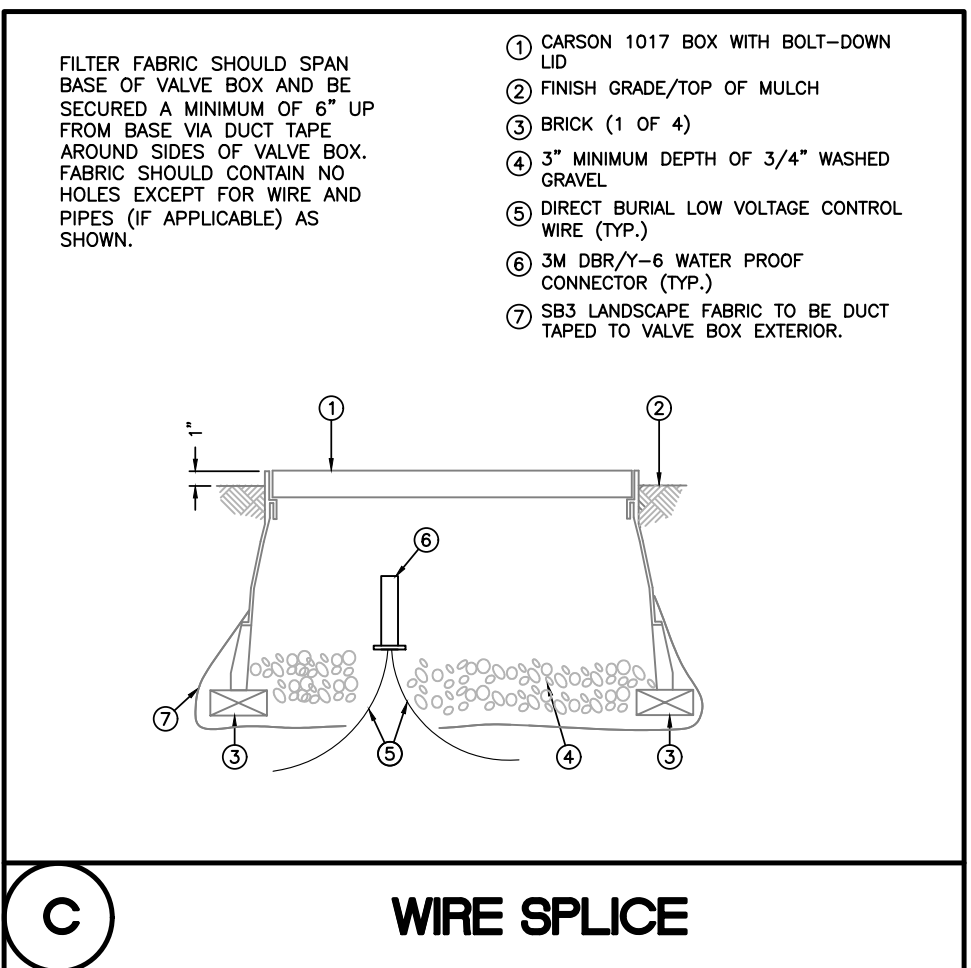
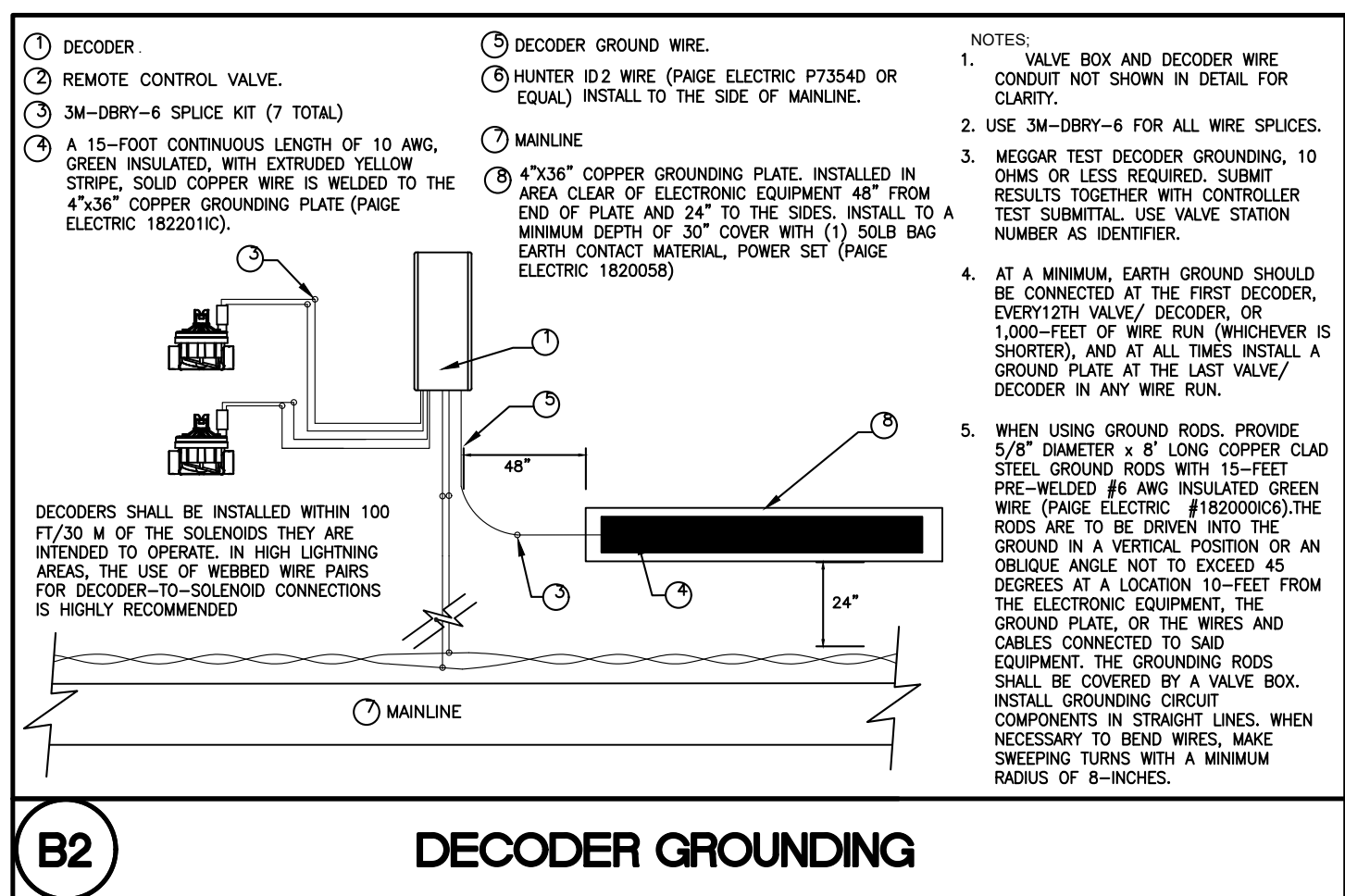
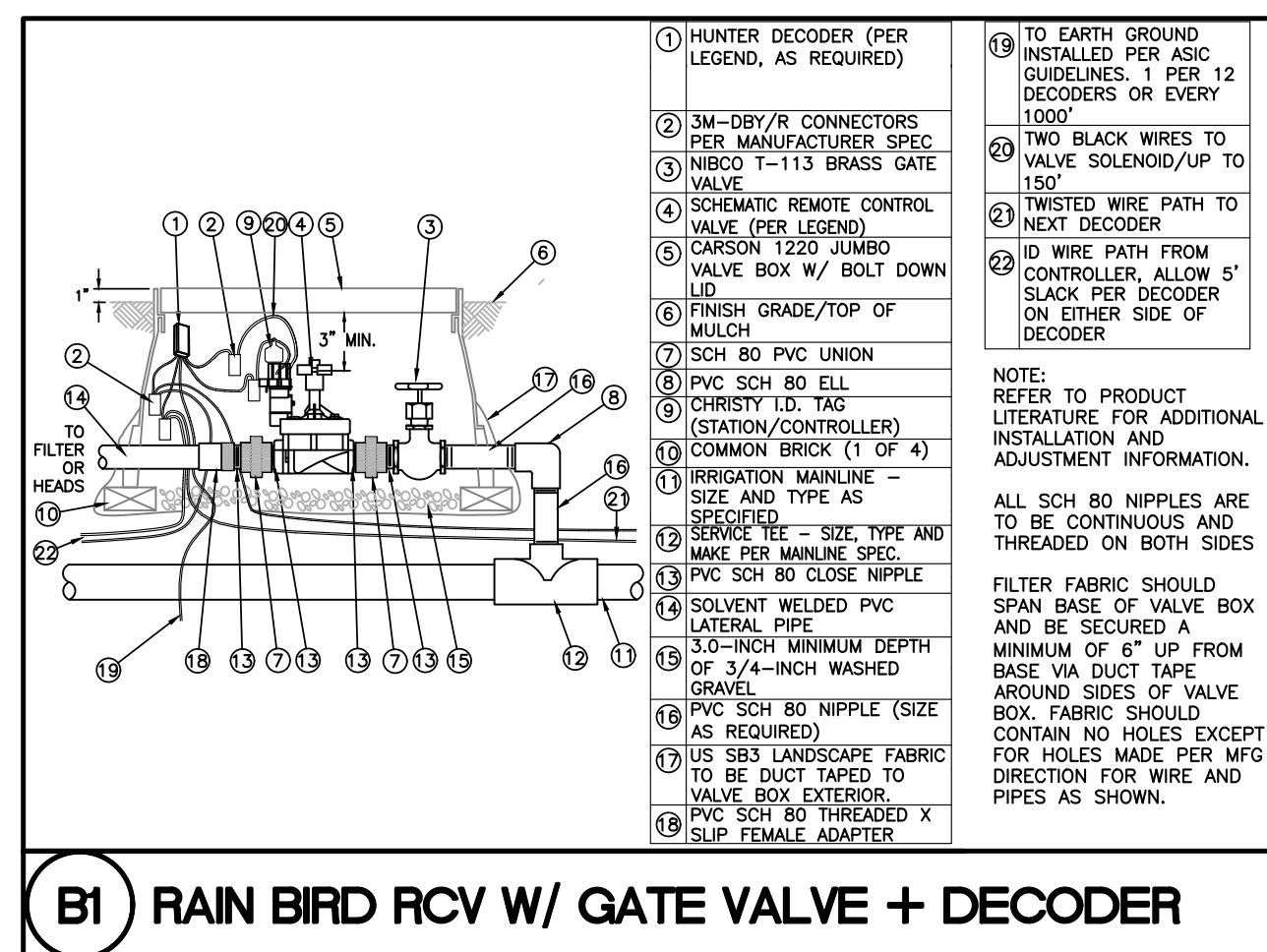
NON-VEHICULAR SLEEVING SCHEDULE

PIPE SIZE	SLEEVING PIPE SIZE
3/4"	2"
1"	2"
1-1/4"	3"
1-1/2"	3"
2"	4"
3"	6"
4"	8"
6"	12"
8"	16"

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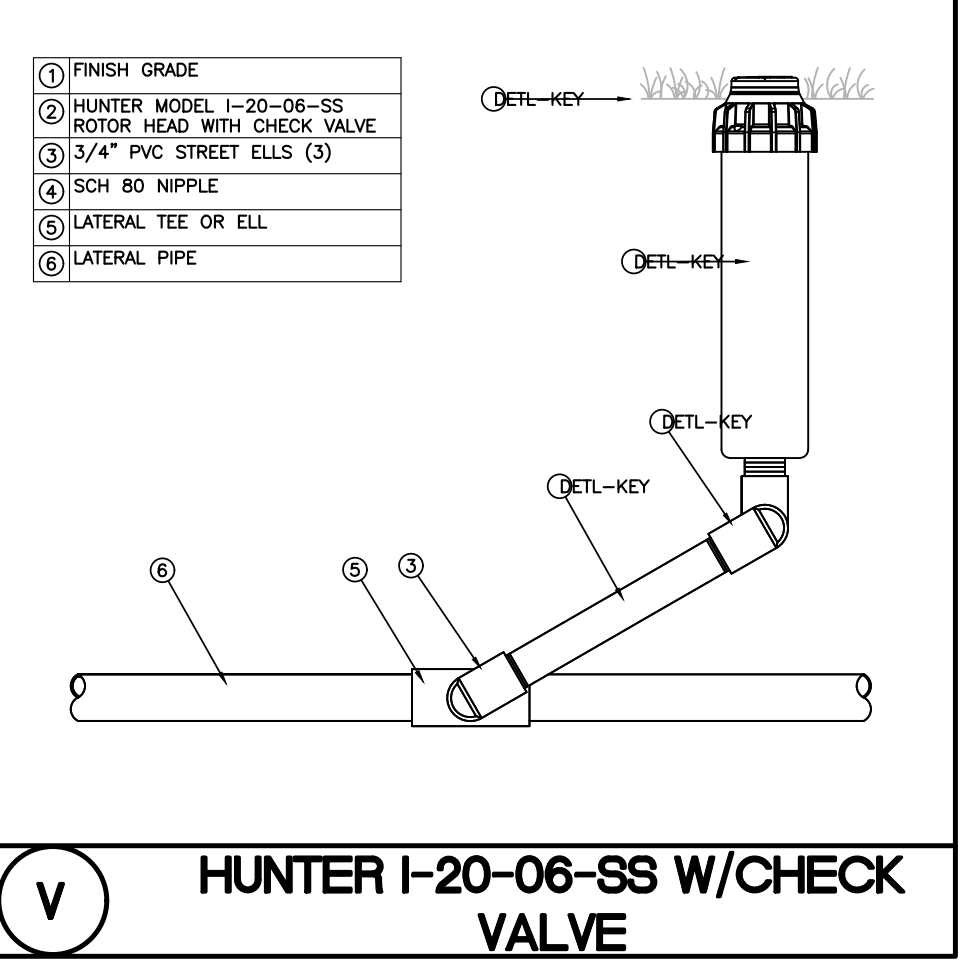
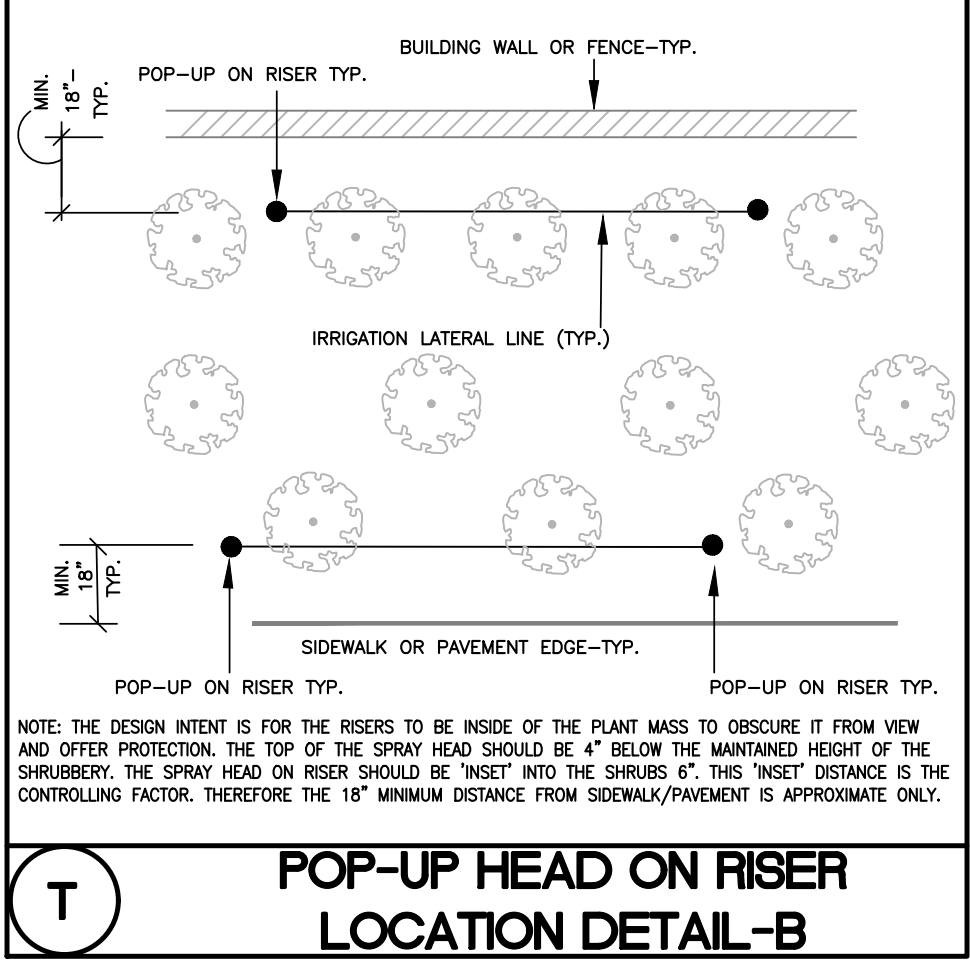
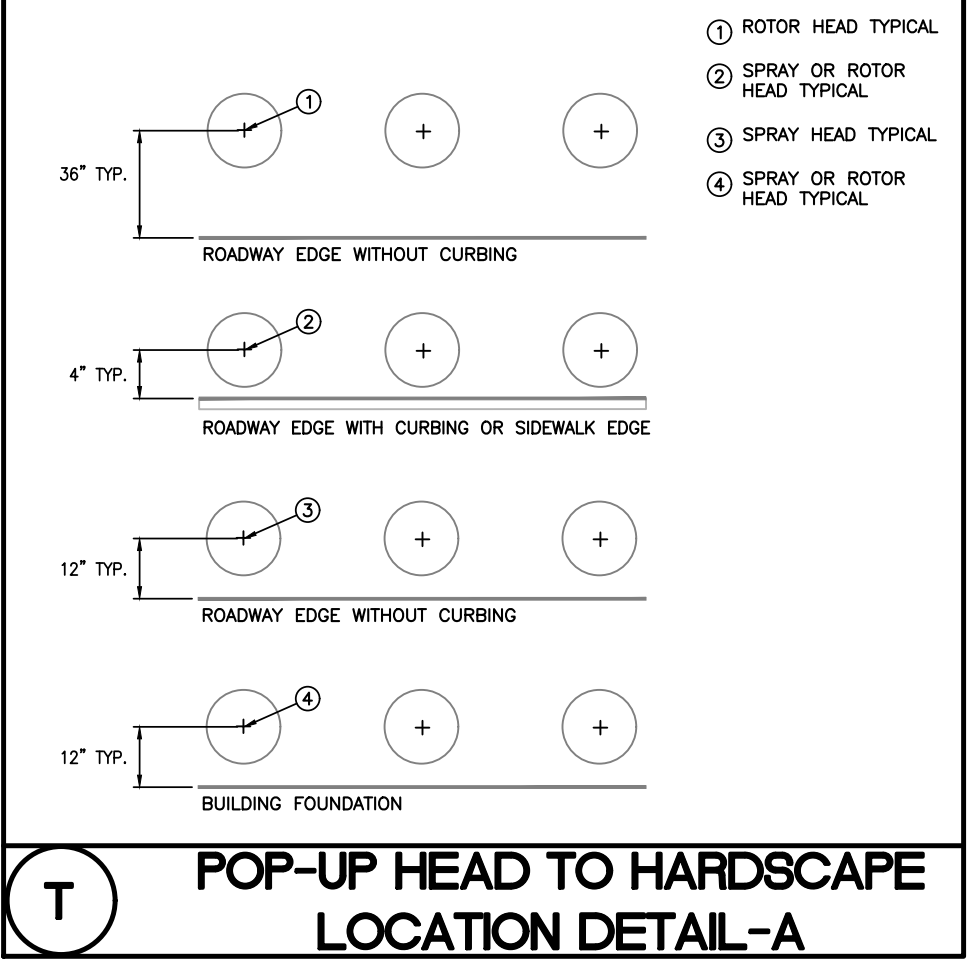
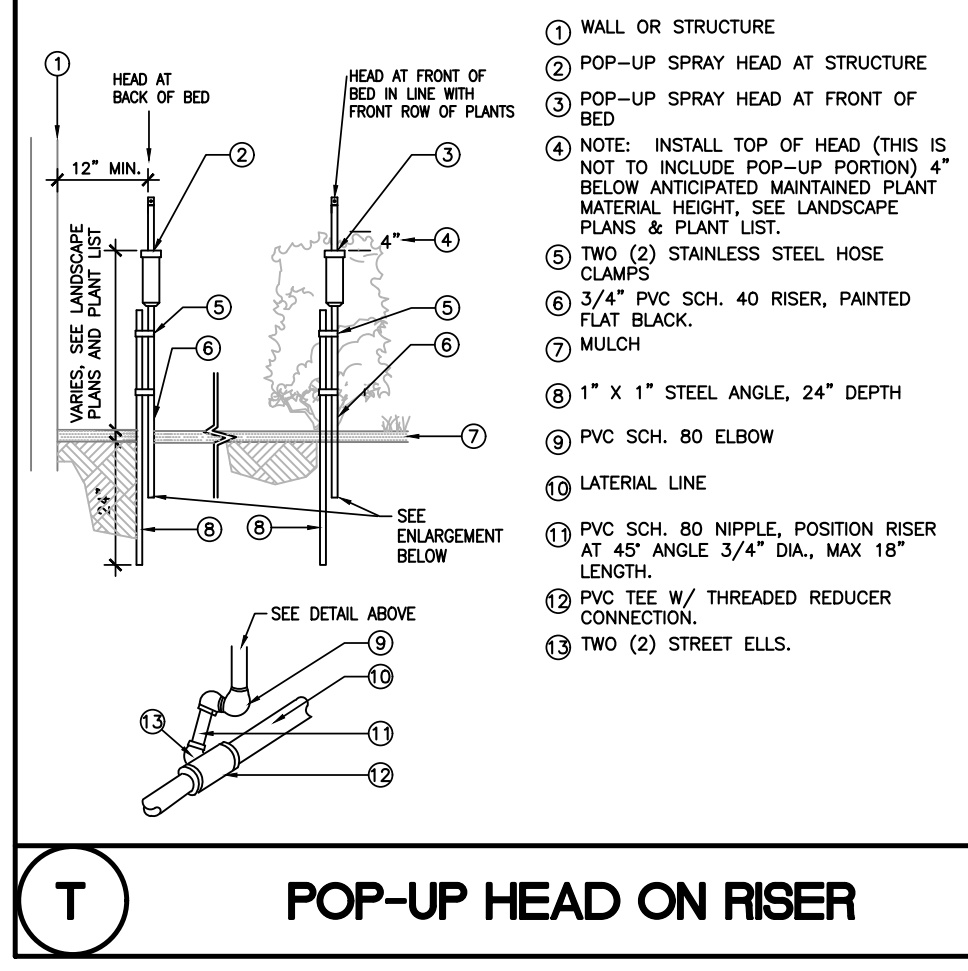
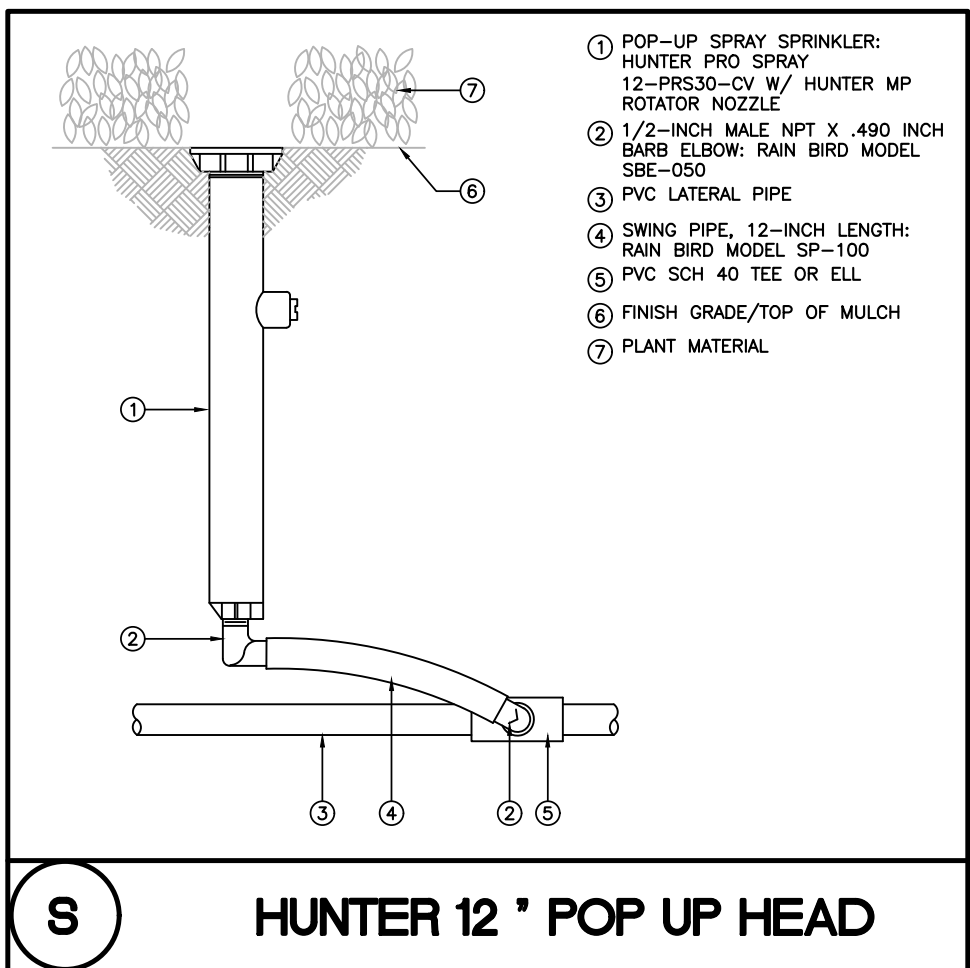
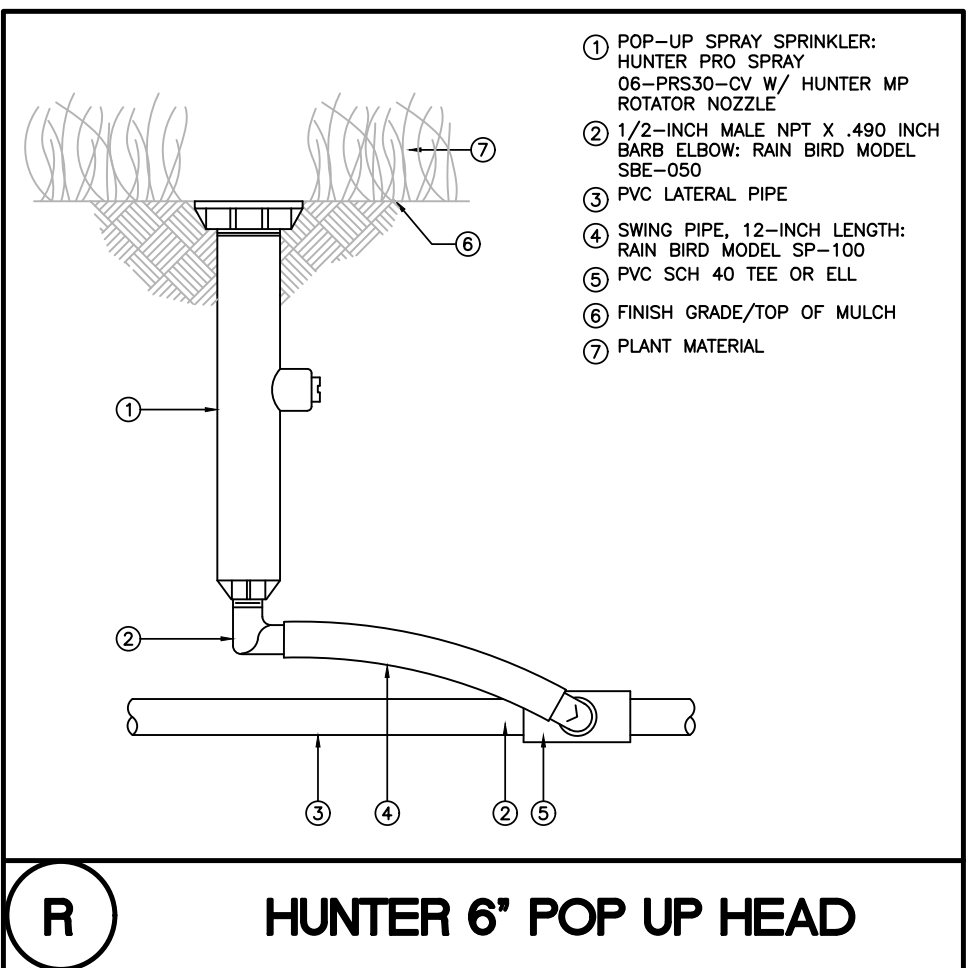
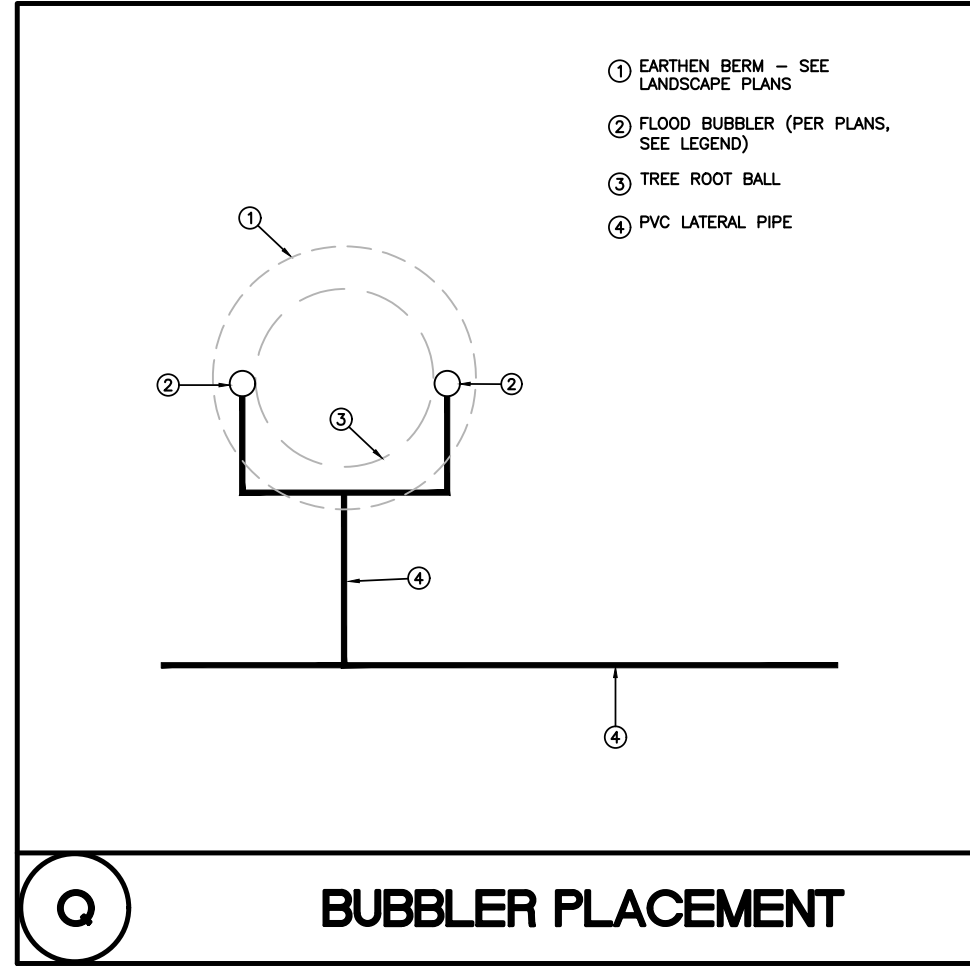
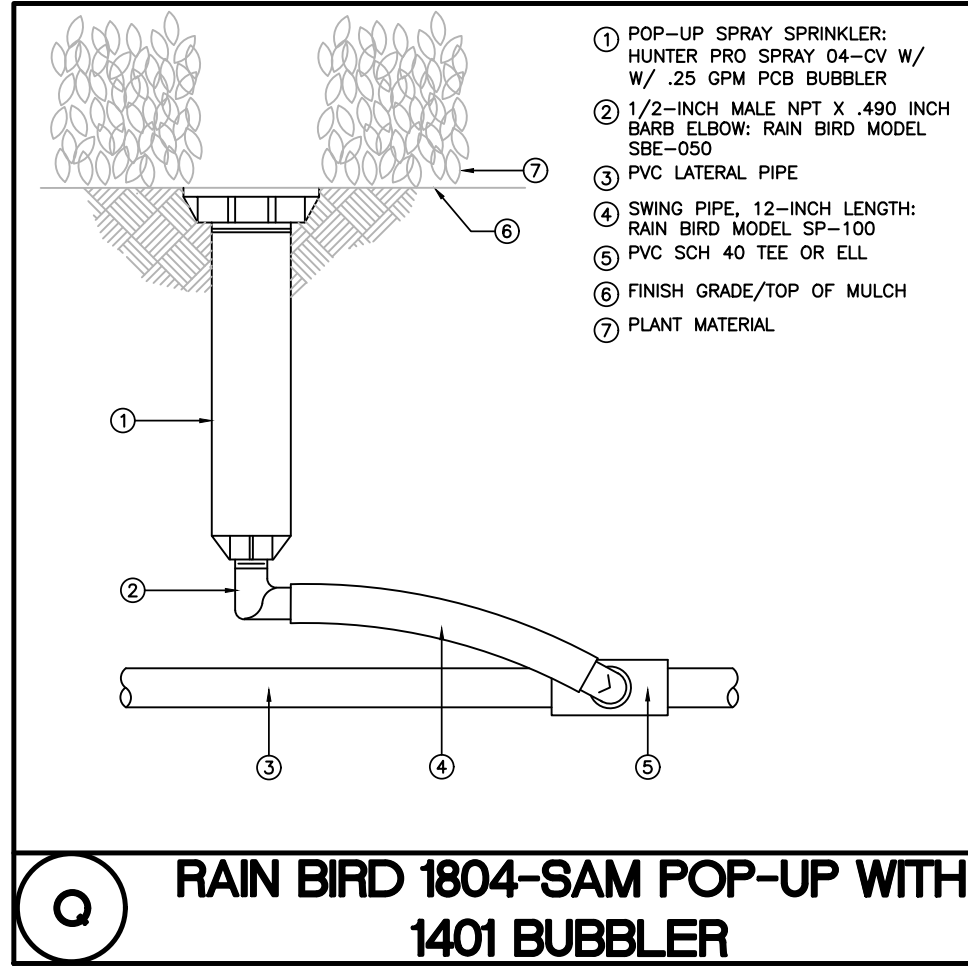
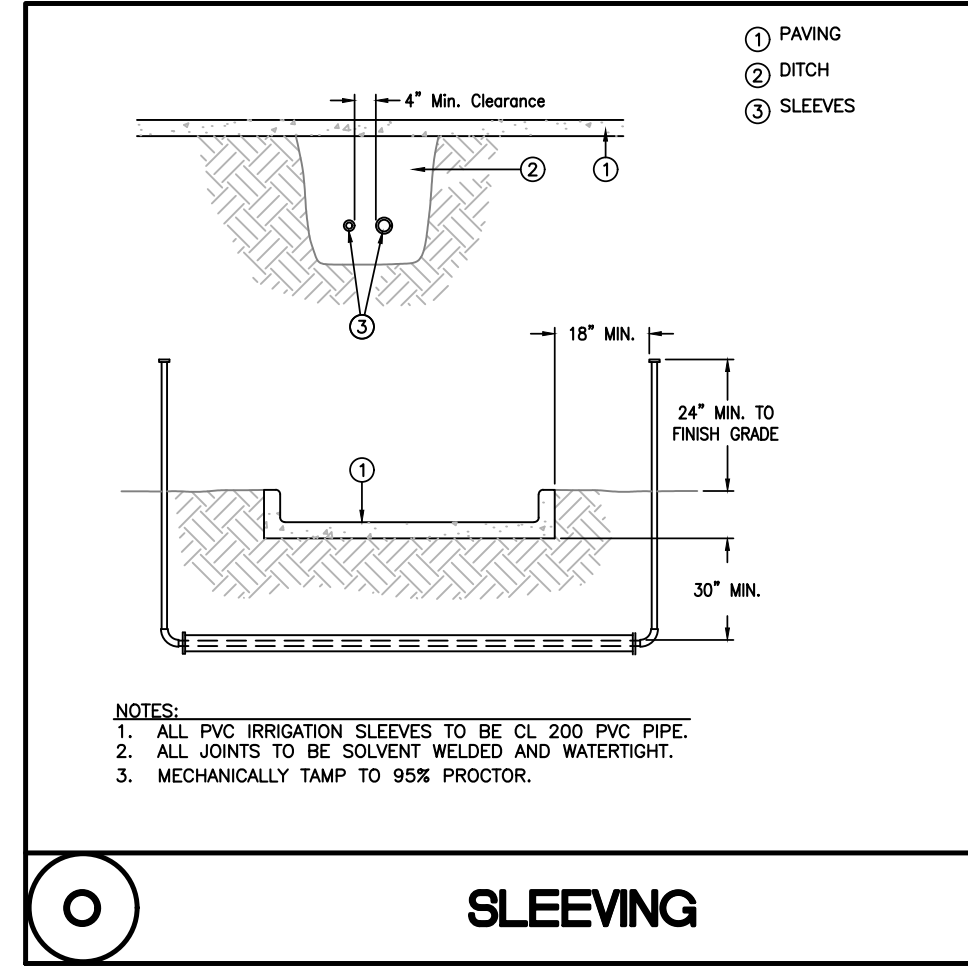
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MINIMUM RESTRAINED LENGTH IN FEET

PIPE SIZE	DEGREE OF BEND				TEE	GATE VALVE	REDUCERS			DEAD END
	11	22	45	90			1 STEP	2 STEP	3 STEP	
2"	0'	3'	8'	24'	24'	33'	0'	0'	0'	43'
2.5"	1'	4'	9'	27'	27'	36'	23'	0'	0'	56'
3"	3'	5'	12'	29'	29'	41'	27'	0'	0'	83'
4"	4'	7'	15'	35'	35'	49'	32'	67'	0'	99'
6"	5'	9'	20'	49'	49'	69'	71'	92'	107'	139'
8"	5'	11'	21'	52'	52'	73'	61'	105'	119'	147'
10"	7'	12'	25'	63'	63'	87'	59'	108'	143'	173'
12"	7'	15'	31'	72'	72'	104'	101'	109'	149'	207'
14"	8'	16'	33'	81'	81'	117'	60'	145'	152'	235'
16"	9'	19'	37'	91'	91'	131'	60'	112'	187'	260'

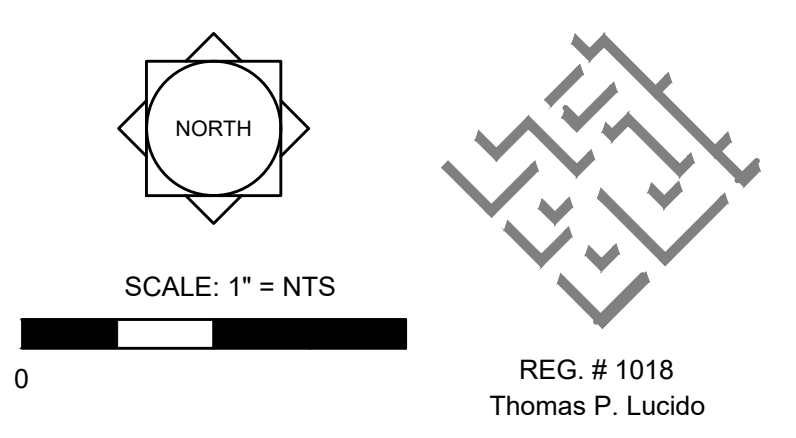
TABLE A ESTABLISHES VALUES FOR THE MINIMUM LENGTH OF PIPE (L) WITHIN WHICH OTHER JOINTS MUST BE RESTRAINED. TABLE A VALUES (IN FEET) ARE BASED ON 200 PSI LINE PRESSURE, 36" COVER, SAND-CLAY TYPE SOIL, AND A SAFETY FACTOR OF 2.



Westmoreland Riverwalk Irrigation Plan

Port St. Lucie, Florida
 Owner/Developer: City of Port St. Lucie

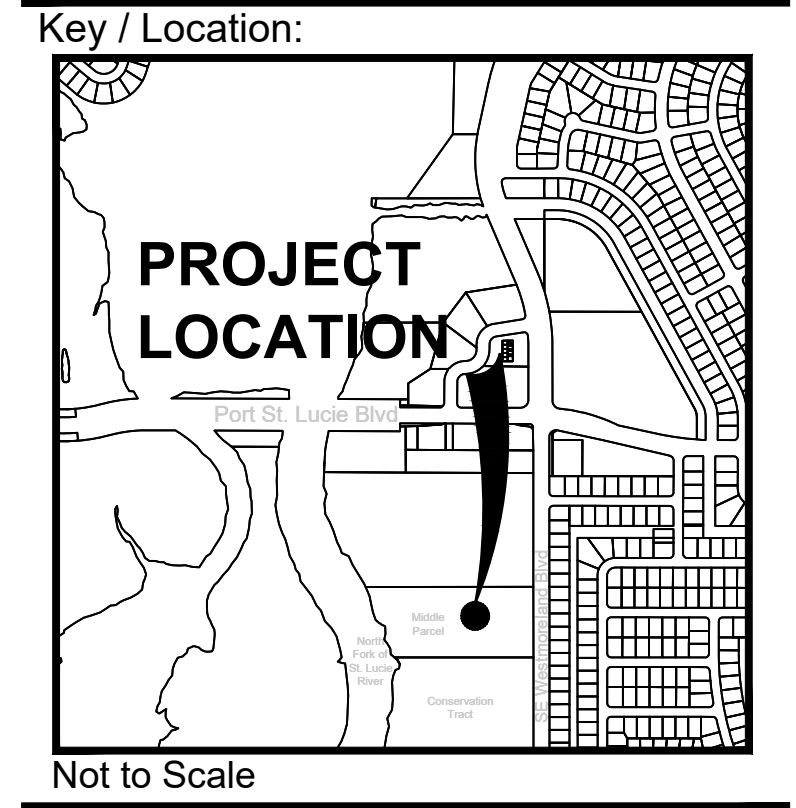
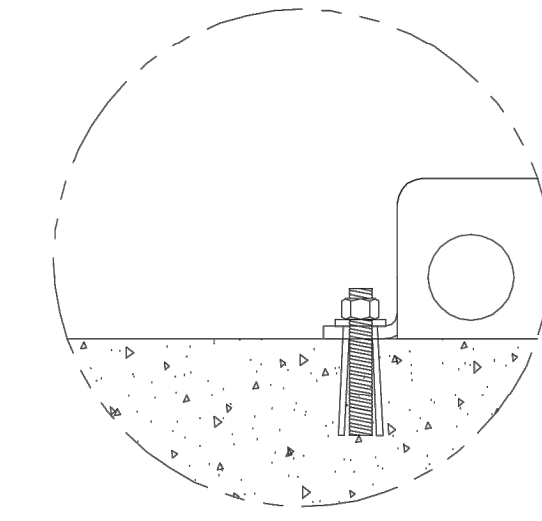
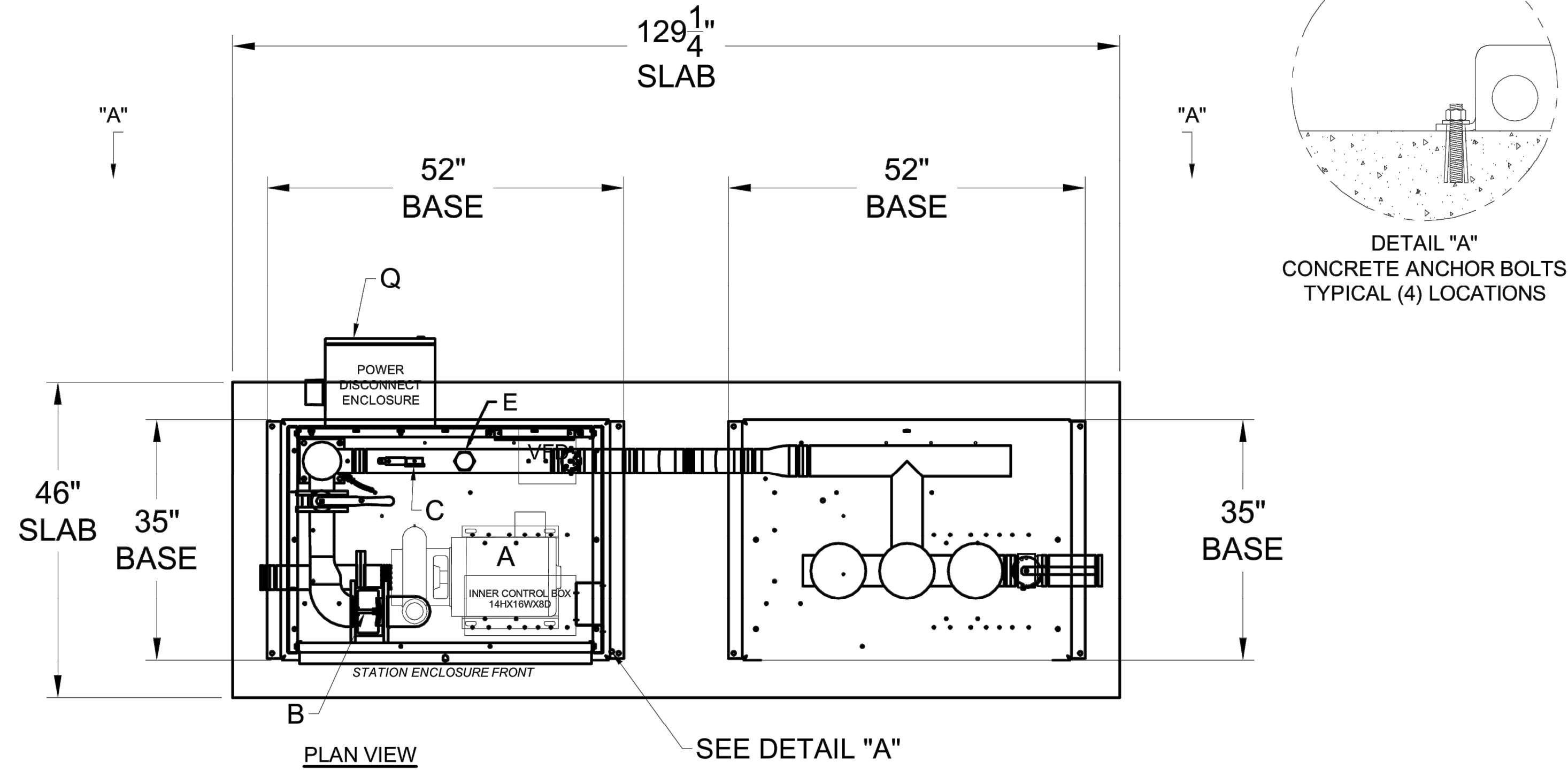
Date	By	Description
10/29/21	JJ	Resubmittal



Designer	JJ	Sheet
Manager	MW	IR-4
Project Number	20-110	
Municipal Number	P17-004-A2	
Computer File	20-110 Westmoreland_IR.dwg	

PUMP STATION SPECIFICATIONS:
 NAME: WESTMORELAND PARK
 STATION MODEL: WMLV-5000-1-10-230-3-105-70
 STATION TOTAL PERFORMANCE: 105 GPM @ 70 PSI
 MAX. LIFT: 10'
 PUMP HORSEPOWER:
 PUMP NO.1: 10HP (3600RPM)
 CHECK VALVE SIZES:
 PUMP NO.1" 3"
 ISOLATION VALVE SIZES:
 DISCHARGE ISOLATION VALVE SIZE: 3" STATION
 DISCHARGE MANIFOLD SIZE: 3"
 POWER REQUIREMENTS: 230V, 60HZ, 3PHZ, 28FLA (EST.)
 EXHAUST FAN REQUIREMENTS: 240CFM

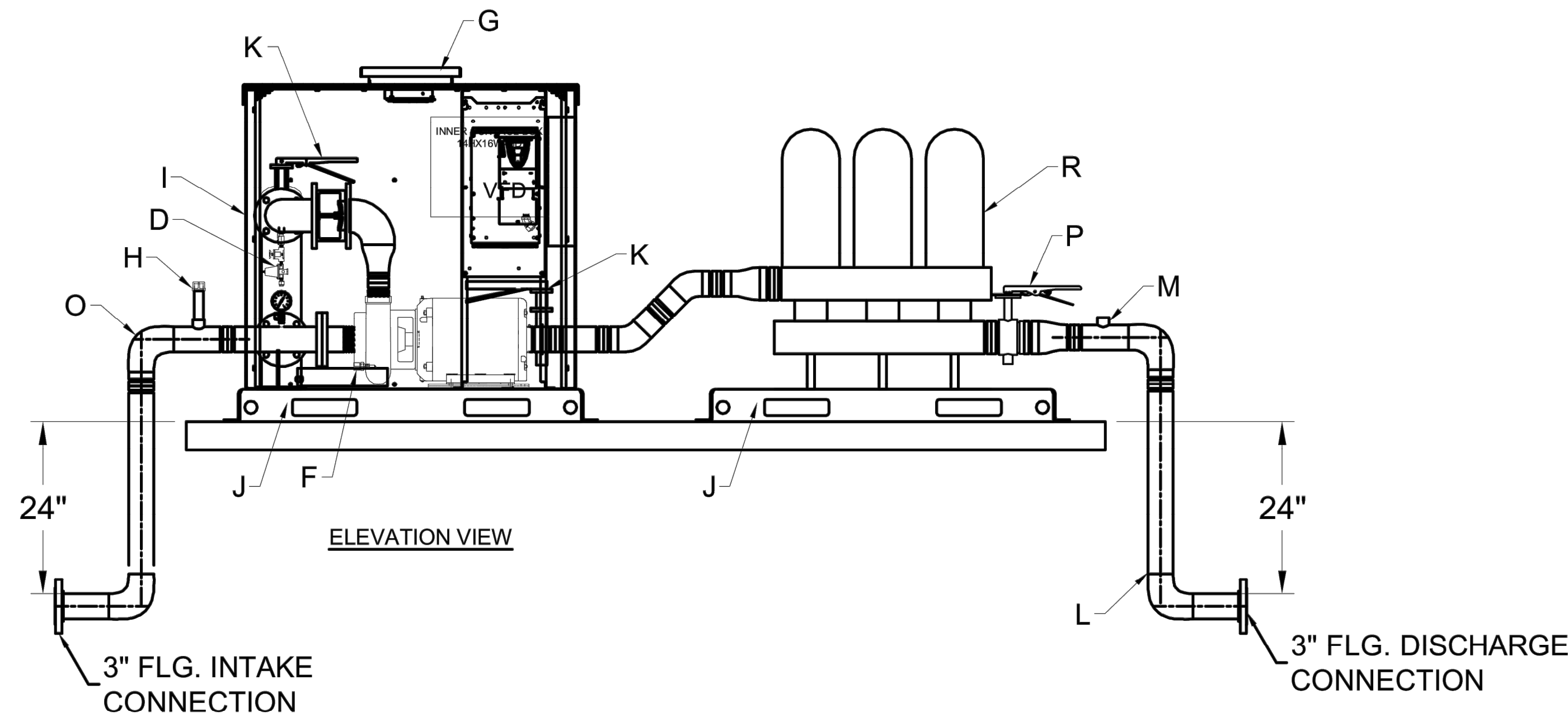
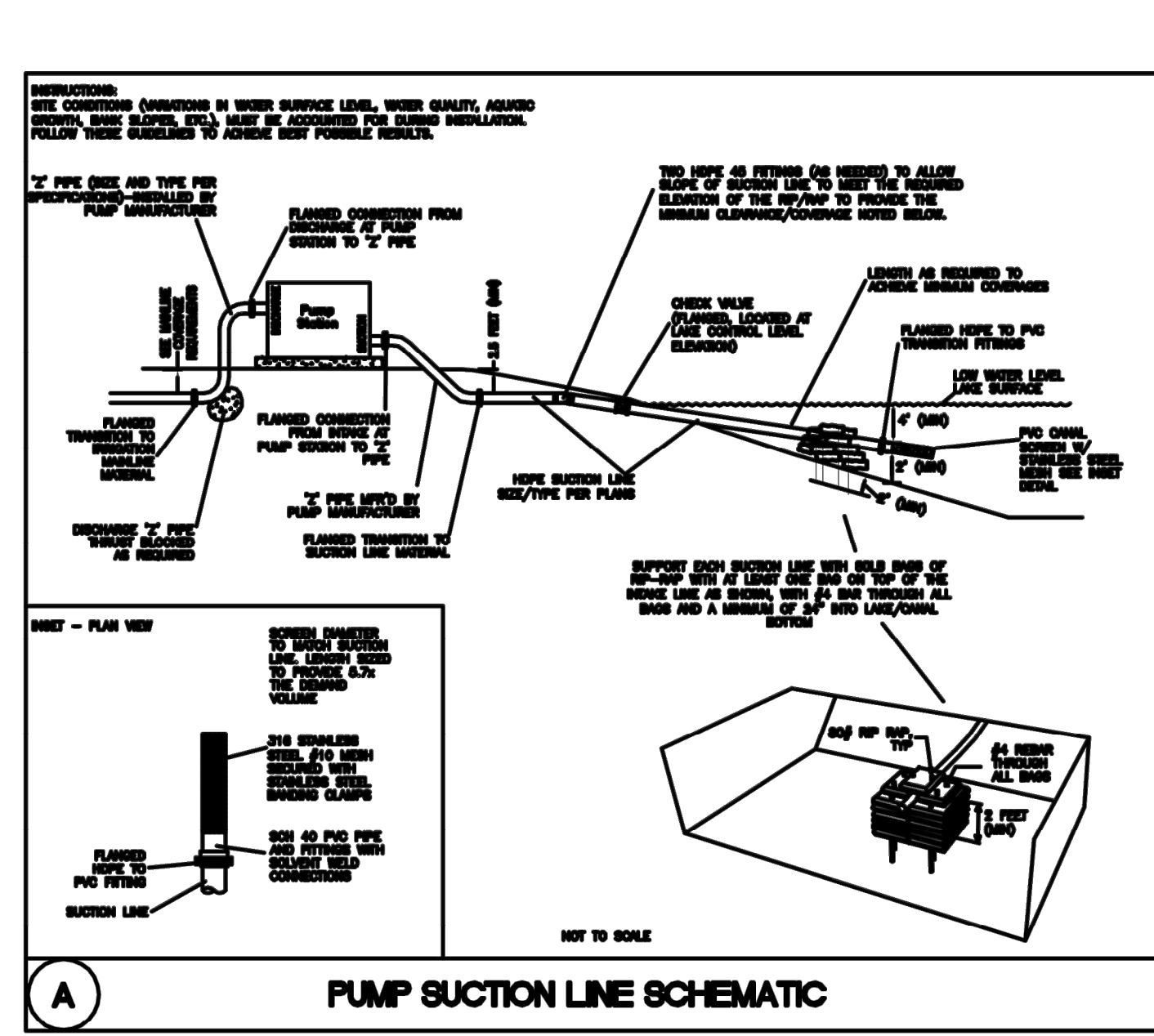
- STATION COMPONENTS:**
- A PUMP AND MOTOR
 - B CHECK VALVE
 - C PRESSURE TRANSDUCER WITH GAUGE
 - D POSITIVE PRIME ASSEMBLY
 - E FLOW SENSOR
 - F TEMP SENSOR
 - G STATION FAN HOOD MOUNTED
 - H 1" FILL PORT
 - I MARINE GRADE ALUMINUM ENCLOSURE (UNPAINTED)
 - J MARINE GRADE ALUMINUM BASE (UNPAINTED)
 - K DISCHARGE ISOLATION VALVE
 - L 3" FLG. DISCHARGE DROP PIPE
 - M 1" BLOWOUT PORT
 - N SUCTION LINE
 - O 3" FLG. INTAKE DROP PIPE
 - P 3" FILTER ISO VALVE
 - Q DEAD-FRONT DISCONNECT
 - R NETAFIM DISC KLEEN AUTOMATIC FILTER - 120 MESH FLUSH LINE TO DRAIN BY CONTRACTOR



Project Team:

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PROUDLY DESIGNED AND PRODUCED IN THE USA



Westmoreland Riverwalk Irrigation Pump

Port St. Lucie, Florida
 Owner/Developer: City of Port St. Lucie

Date	By	Description
10/29/21	JJ	Resubmittal

APPROVED AS SUBMITTED

APPROVED AS NOTED

REVISE AND RESUBMIT

SIGNATURE: _____

NAME: _____

DATE: _____

NO.	DATE	BY	DESCRIPTION
7			
6			
5			
4			
3			
2			
1			

DRAWN BY: PJB DATE: 10/26/2021

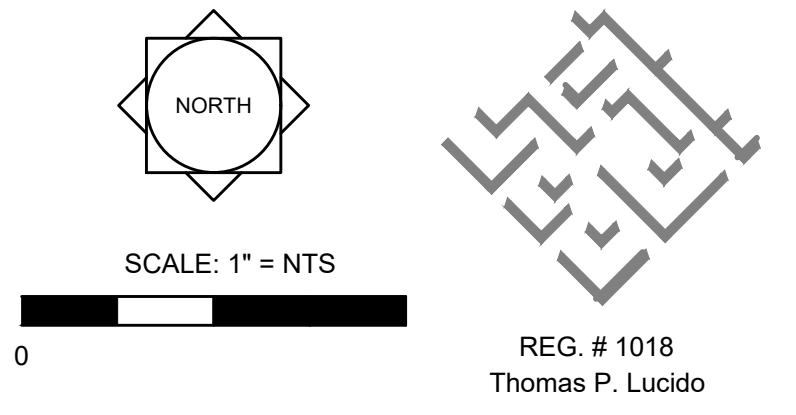
CHECKED BY: DATE: _____

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TITLE: WESTMORELAND PARK IRRIGATION PUMP STATION

SCALE: NTS SHEET 1 OF 1 SHEETS

JOB NO.: DRAWING NO. PRST14572



Designer JJ Sheet
 Manager MW
 Project Number 20-110
 Municipal Number P17-004-A2
 Computer File 20-110 Westmoreland_IR.dwg

IR-5

