DEMOLITION GENERAL NOTES

1. THE DEMOLITION, MODIFICATION OR ALTERATION OF EXISTING BUILDINGS, EQUIPMENT, OR MATERIALS SHALL BE COMPLAINT TO ALL LOCAL REGULATIONS AND STATE CODES.
2. DEMOLISH ALL EXISTING PLUMBING PUMP ROOM EXCEPT FOR EXISTING RPZ DRAIN PIPE AND EFFLUENT CHECK VALVE / RPZ. REMOVE PLUMBING SERVICE BACK TO EXISTING RPZ AND CLOSE VALVE.
3. WHEN CONNECTING TO EXISTING PIPING, REPLACE PIPING BACK TO NEAREST JOINT OR VALVE. SEE NOTE 2.
4. WALLS AND SLABS SHALL BE CORE DRILLED. NO STRUCTURAL MEMBER SHALL BE CUT WITHOUT APPROVAL OF THE ENGINEER.
5. FOR MAINTENANCE OF EXISTING PLANT OPERATION AND FOR DEMOLITION SEQUENCE, REFER TO SPECIFICATIONS. CONTRACTOR SHALL PROVIDE TEMPORARY FACILITIES WHERE NECESSARY.
6. WHEN DEMOLISHING EXISTING PIPING, REMOVE ALL ASSOCIATED PIPE CASTING, SLEEVES, HANGERS, SUPORTS, ETC. AND PREPARE AND PATCH ALL OPENINGS AS DETAILED ON THE DRAWINGS AND DIVISION 2 SPECIFICATIONS.
7. INCORPORATE NYPA ENVIRONMENTAL SPECIFICATION AND SPECIFICATION 01355 AS NECESSARY FOR REMOVAL OF HAZARDOUS MATERIALS, INCLUDING OIL, MERCURY, PCBS, LEAD, ASBESTOS, ETC.
8. SEE SPECIFICATIONS 02030 AND 02833 FOR ADDITIONAL REQUIREMENTS.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH THE SUPPLEMENTAL UNIFORM AND FIRE PREVENTION BUILDING CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL PLUMBING CODE, AND ALL CODES LOCAL OR OTHERWISE HAVING JURISDICTION OVER THE WORK.
2. PIPING IS DIAGRAMMATICALLY SHOWN. EXACT ROUTING OF NEW PIPING & SHALL BE DETERMINED IN FIELD WITH THE APPROVAL OF THE ENGINEER.
3. THE WORDS PROVIDE OR INSTALL, SINGLY OR IN COMBINATION SHALL MEAN FURNISH AND INSTALL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING TO MATCH EXISTING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
5. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS WORK AND NEWLY INSTALLED WORK, INCLUDING PROTECTION OF BUILDING OCCUPANTS AND OWNERS EQUIPMENT, PUBLIC, AND PERSONNEL. PROVIDE APPROPRIATE BARRIERS, AND SAFETY GUARD RAILS AS REQUIRED.
6. WHERE WELDING OR OPEN FLAME IS USED FOR CUTTING, SOLDERING, ETC., CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS AND A FIRE WATCH IN PROXIMITY OF WORK AREA. CONTRACTOR SHALL PROVIDE HOT WORK PERMIT WHERE NECESSARY.
7. ALL WORK SHALL BE COORDINATED WITH ALL TRADES RELATED TO THE COMPLETION OF THIS PROJECT.
8. THE CONTRACTOR SHALL FILE PLANS WITH THE GOVERNING AUTHORITIES HAVING JURISDICTION AND SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE INSTALLATION OF HIS WORK. SEWER DISTRICT HOT WORKS PERMIT MAY BE REQUIRED.
9. THE CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORK INSTALLED TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, AFTER ACCEPTANCE OF THE INSTALLATION BY THE ENGINEER AND OWNER. THE CONTRACTOR SHALL SUBMIT IN WRITING TO OWNER STATING THE SAME. EQUIPMENT WARRANTEES OF A LONGER DURATION SHALL APPLY.
10. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, HIS REPRESENTATIVES AND THE ENGINEER FROM ANY CLAIMS OR SUITS RESULTING IN NEGLIGENCE ON THE PART OF THE CONTRACTOR AND FOR FAILING TO EXECUTE HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
11. THE CONTRACTOR SHALL PROVIDE ALL RIGGING, HOISTING AND SCAFFOLDING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
12. ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AND WORKMEN EXPERIENCED IN THE TRADE HAVING JURISDICTION. ALL WORK SHALL BE SUPERVISED AT ALL TIMES AND WORKMANSHIP SHALL BE FIRST CLASS IN ALL RESPECTS AND IN ACCORDANCE WITH BEST TRADE PRACTICES.
13. ANY DEVIATION OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND SIGNED BY THE OWNER. ANY WORK INSTALLED WITHOUT PRIOR APPROVAL OF THE ENGINEER AND OWNER OR FOUND TO BE DEFECTIVE IN ANY WAY SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
14. ALL CONSTRUCTION WORK SHALL BE CONFINED TO THE AREA INDICATED ON PLANS AND SHALL NOT BLOCK MEANS OF EGRESS FOR OCCUPANTS OF THE BUILDING.
15. ROUGH PATCHING OF WALLS, FLOORS, ETC. SHALL BE BY TRADE WHO PERFORMED WORK UNLESS OTHERWISE NOTED AND SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. WORK AREA SHALL BE LEFT BROOM CLEAN AT THE END OF EACH DAY. ALL DISCARDED AND DEMOLISHED MATERIAL AND RUBBISH SHALL BE REMOVED FROM PREMISES DAILY IN A LEGAL AND APPROVED MANNER. FINAL PATCHING AND PAINTING SHALL BE PERFORMED BY GENERAL CONTRACTOR.
16. THE CONTRACTOR SHALL SUBMIT DIGITAL COPIES OF SHOP DRAWINGS OF ALL EQUIPMENT, PIPING, AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION OF NEW WORK, WITHIN TWO WEEKS AFTER AWARD OF CONTRACT. SHOP DRAWINGS SHALL INDICATE ALL TECHNICAL DATA, STRUCTURAL MEMBERS, WALLS, FLOORS, ETC., WITH ELEVATIONS AT WHICH NEW WORK IS TO BE INSTALLED. ANY DEVIATION IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND OWNER. THE ENGINEER SHALL REVIEW AND TURN AROUND SHOP DWGS. WITHIN (7) DAYS OF RECEIPT OF SAME.
17. ALL WORK SHOWN ON ALL DRAWINGS IS NEW UNLESS OTHERWISE NOTED.
18. ALL PENETRATIONS THROUGH PARTITIONS, FLOORS, WALLS AND ROOF FOR ALL PIPING SHALL BE SEALED AND FIRE SAFED OFF TO M AINTAIN FIRE INTEGRITY OF EXISTING STRUCTURE.
19. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AS WELLAS BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING REASONABLE PRECAUTIONS AND SHALL PROVIDE REASONABLE PROTECTION TO PREVENT INJURY OR DAMAGE TO PERSONS, THE WORK AND OTHER PROPERTY.

GENERAL ABBREVIATIONS

BFP -	BACKFLOW PREVENTOR
CO -	CLEANOUT
EL -	ELEVATION
TYP -	TYPICAL
RPZ -	REDUCED PRESSURE ZONE VALVE
SAN -	SANITARY
VTR -	VENT THRU ROOF

SYMBOLS

- NEW WORK
- EXISTING CONDITIONS/WORK BY OTHER TRADES
- VENT
- VENT THRU ROOF
- BALL VALVE
- CLEANOUT
- PIPE CAPPED

PIPING SYSTEMS

DCW -	DOMESTIC COLD WATER
SAN -	SANITARY
V -	VENT
EW -	EFFLUENT WATER
SW -	SEALANT WATER

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DRAWING REVISIONS

NO	DATE	REVISION	DRAWN	APPROVED
5				
4				
3	07/21	FOR CONSTRUCTION	HSM	MET
2	10/20	100 PERCENT DESIGN REVIEW	JSR	MET
1	04/20	60 PERCENT DESIGN REVIEW	JSR	MET

ORIGINAL SIZE **ARCH D**

PROJECT TITLE: **MAIN PUMP STATION UPGRADE**

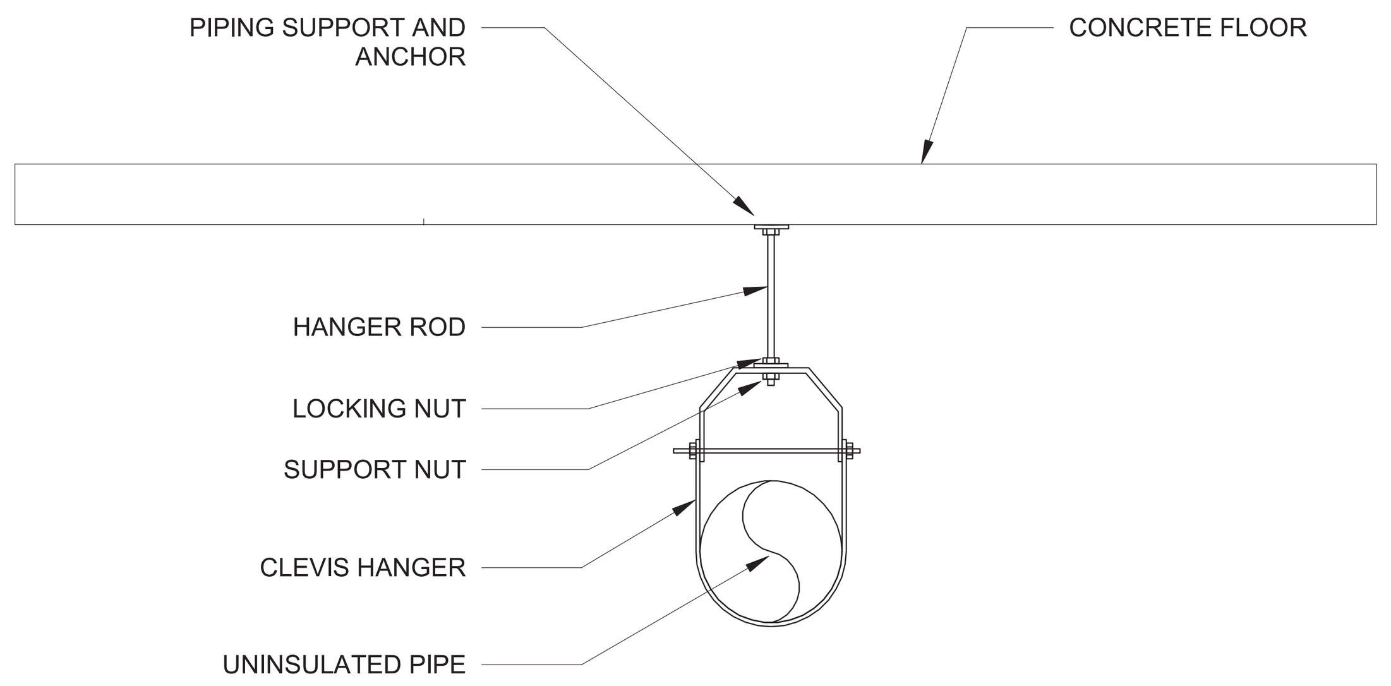
CLIENT: ROCKLAND COUNTY SEWER DISTRICT NO 1

DRAWING TITLE: NOTES, LEGEND, AND ABBREVIATIONS

DATE:	JULY 2021
SCALE:	NO SCALE
DRAWN:	JSR
CHECKED:	GRL
edr Job#:	19190
CONTRACT NO:	RFB-RC-SWR-DP 2020-02

DRAWING NUMBER:

P-001

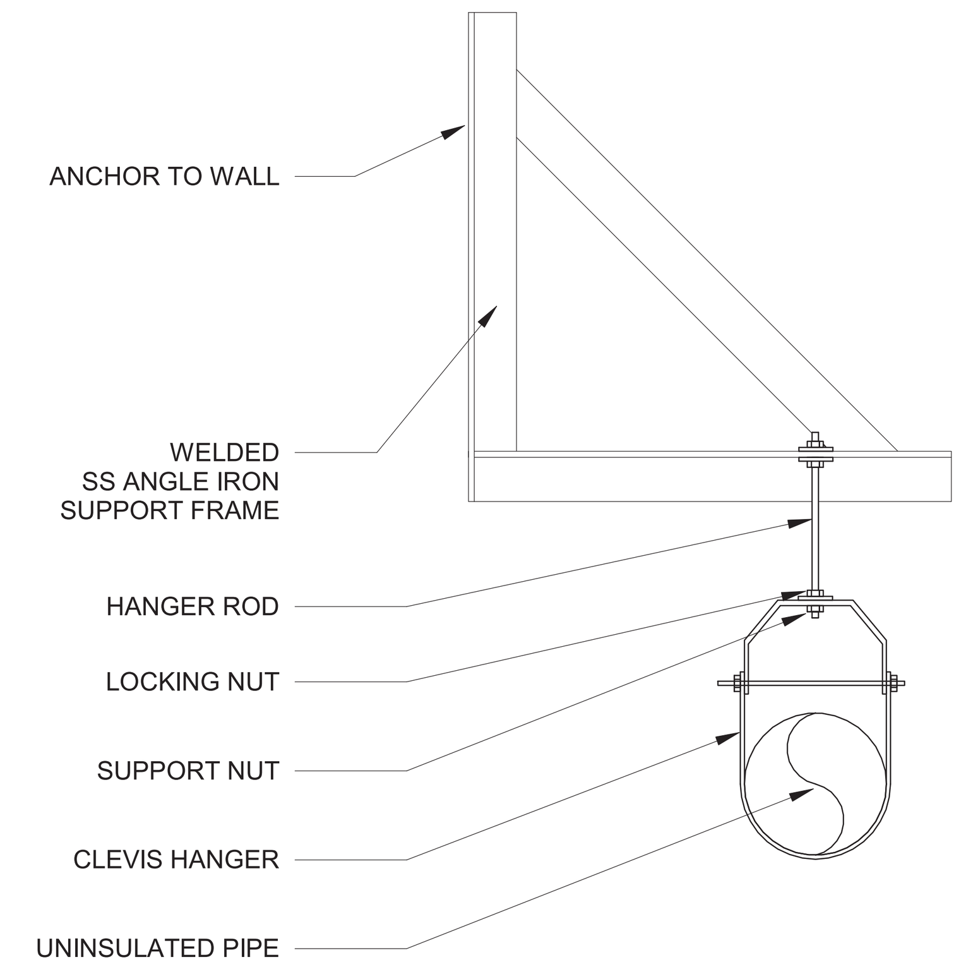


NOMINAL PIPE OR TUBE SIZE- INCHES	3/4	1	1 1/2	2	2 1/2	3	4	5	6	8	10	12
HANGER ROD SIZES - INCHES	3/8	3/8	3/8	1/2	1/2	1/2	5/8	5/8	7/8	7/8	7/8	7/8
MAXIMUM SPACING BETWEEN PIPE SUPPORTS- FEET	6	7	9	10	11	12	14	16	17	19	22	23
MAXIMUM SPACING BETWEEN COPPER TUBE SUPPORTS - FEET	6	6	8	9	10	10	12	14	14	16	18	20

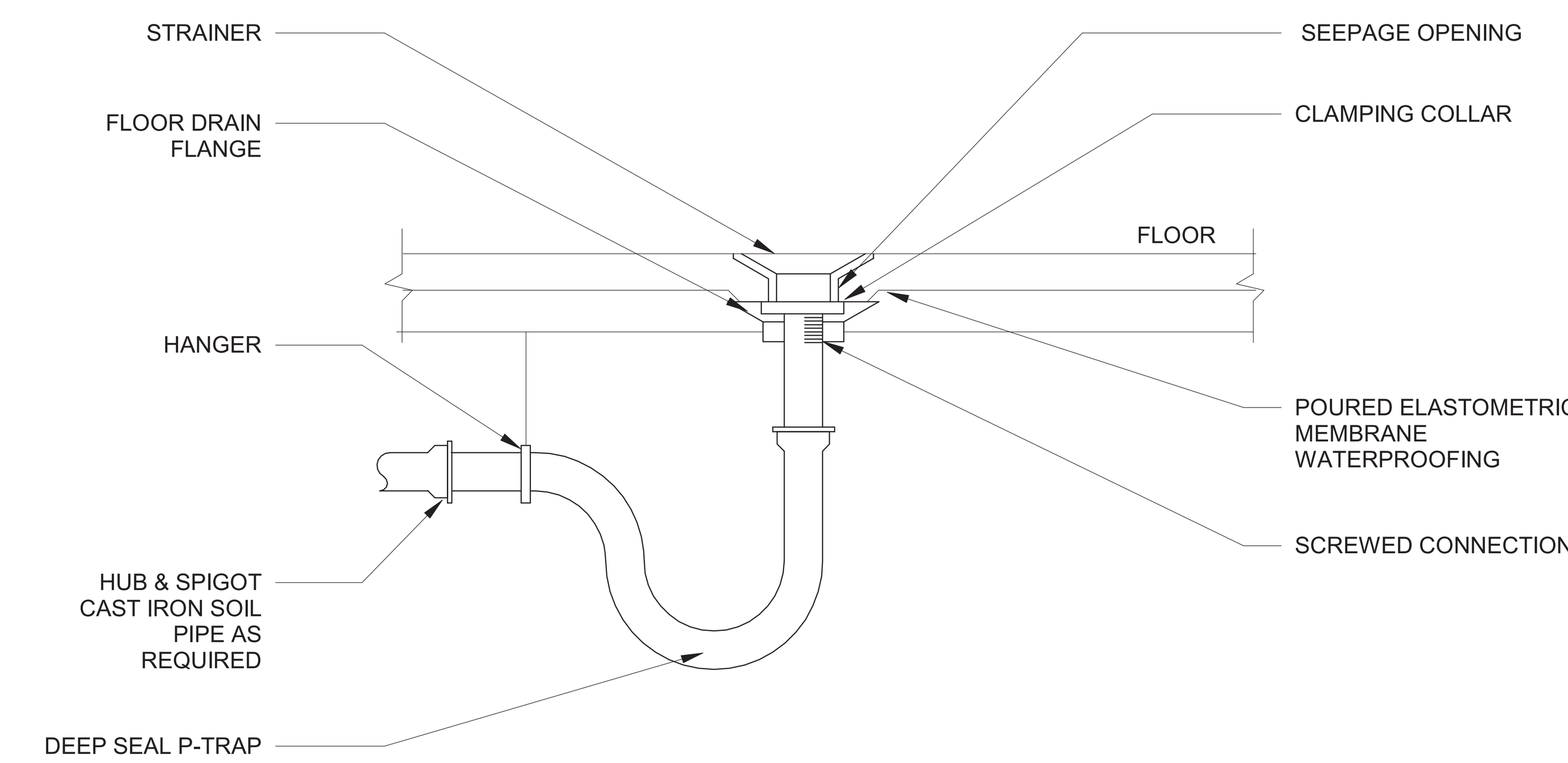
INDIVIDUAL PIPE HANGER ROD & SPACING SCHEDULE

NOTES: TRAPEZE HANGER SPACING SHALL BE BASED ON SPACING OF SMALLEST PIPE ON TRAPEZE. TRAPEZE SHALL BE DESINGED WITH A FACTOR OF SAFETY OF 5 FOR CENTER OF SPAN CONCENTRATED LOAD.

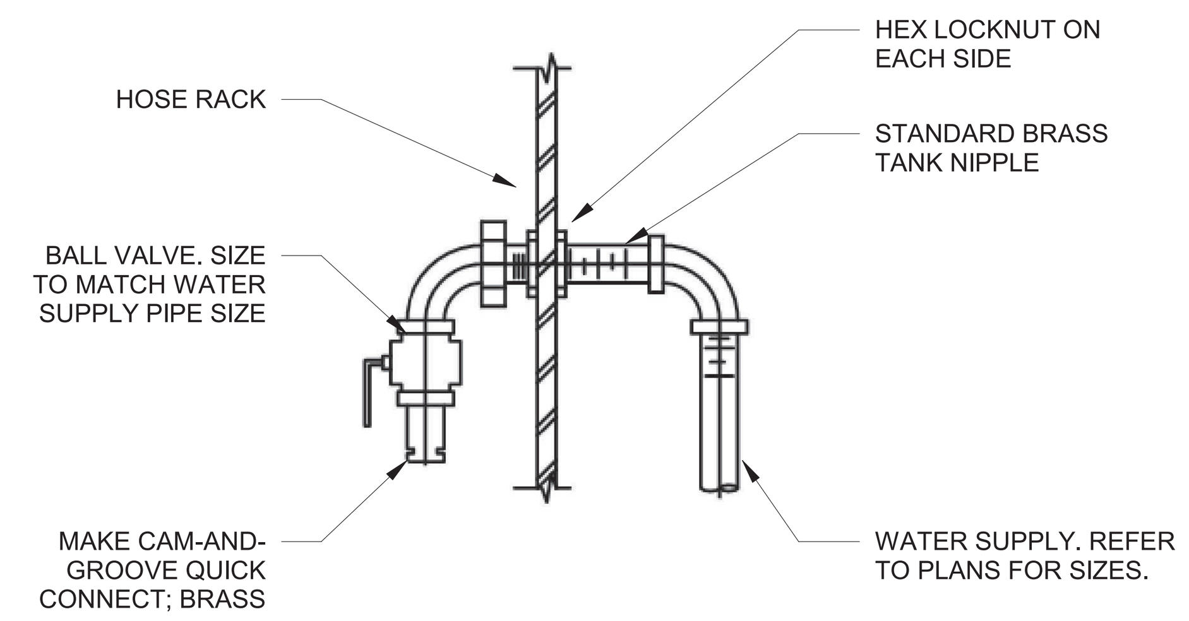
1 P-002 PIPE SUPPORT DETAIL
1/8" = 1'-0"



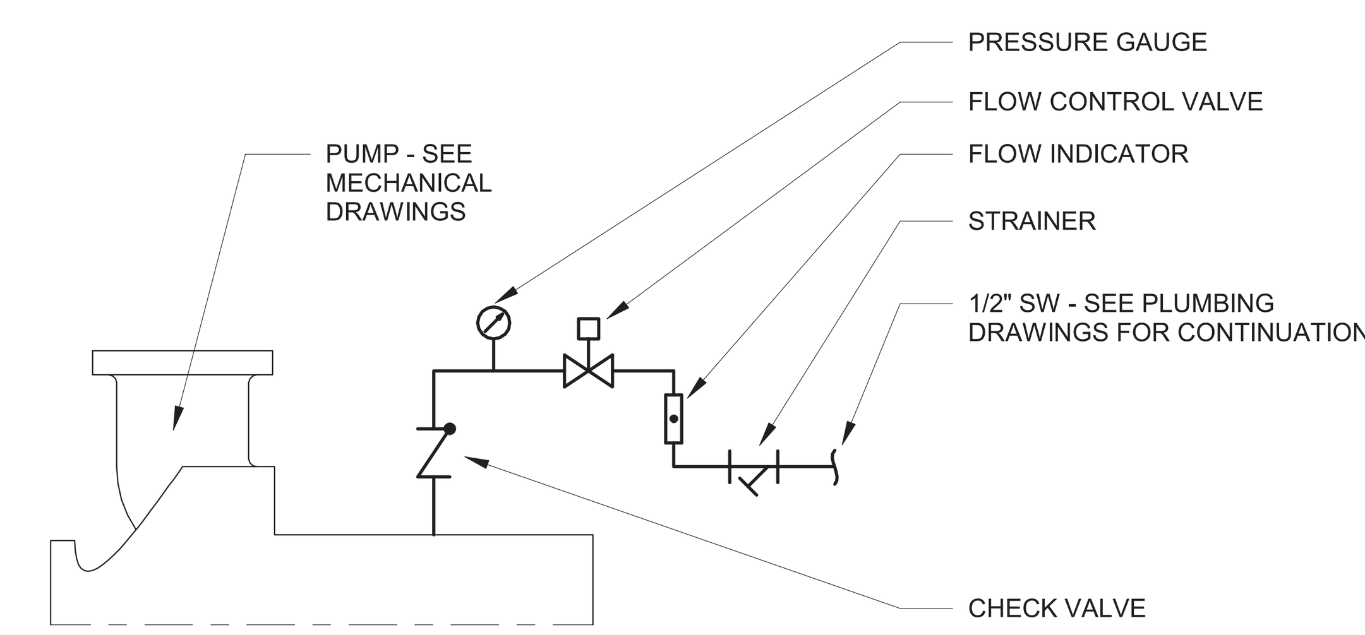
2 P-002 PIPE WALL SUPPORT
1/8" = 1'-0"



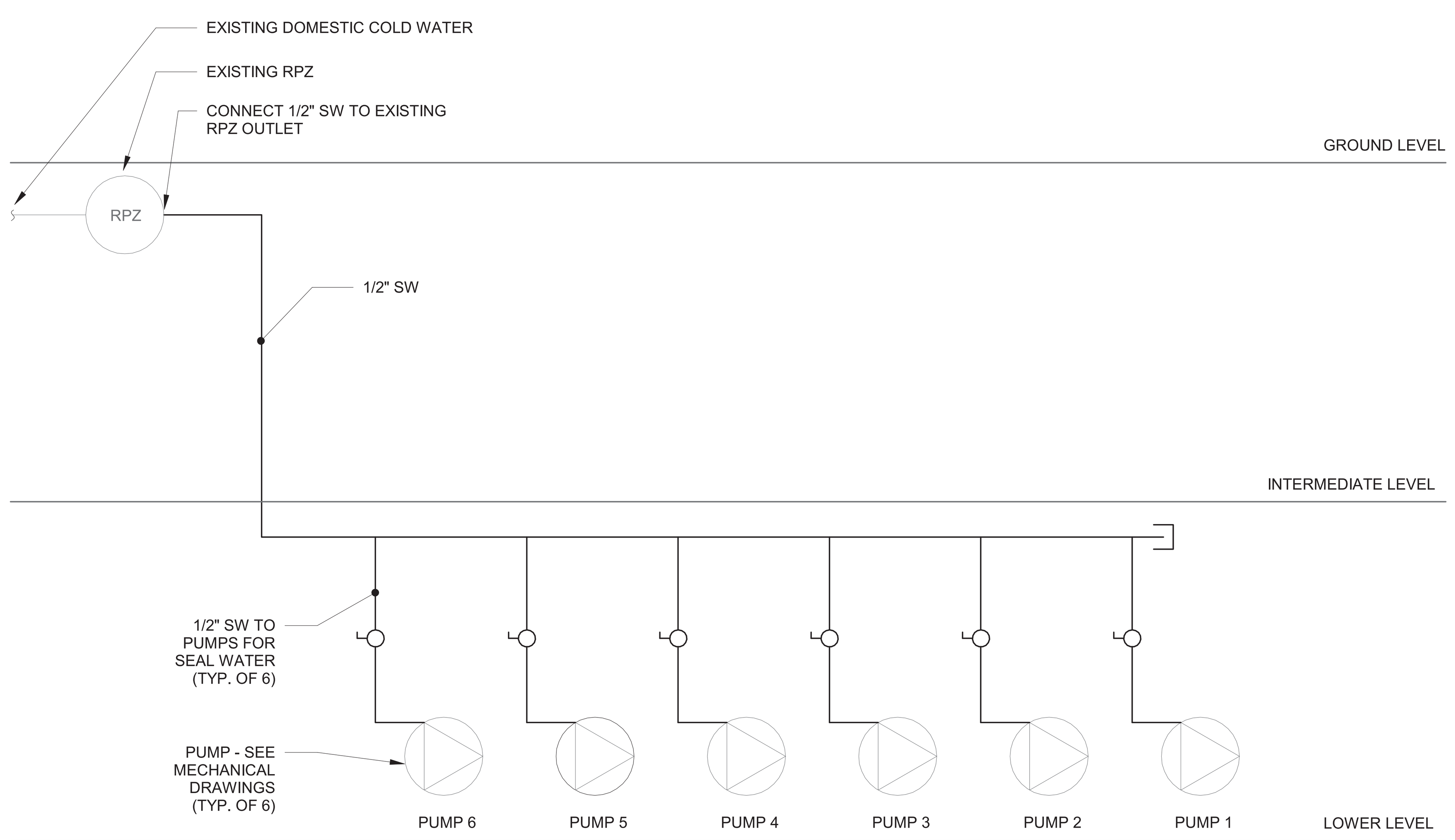
3 P-002 FLOOR DRAIN DETAIL
1/8" = 1'-0"



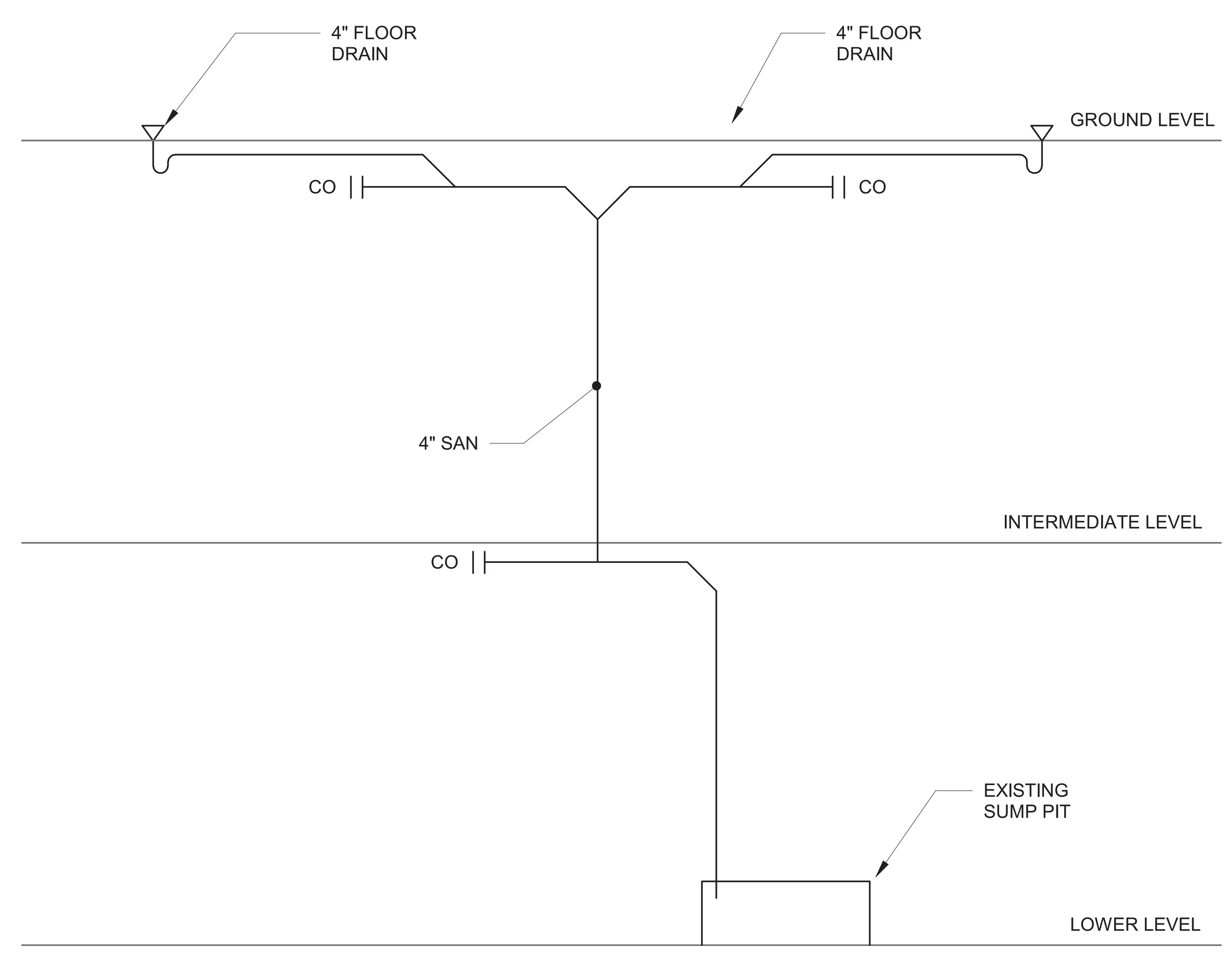
4 P-002 HOSE BIB DETAIL
1/2" = 1'-0"



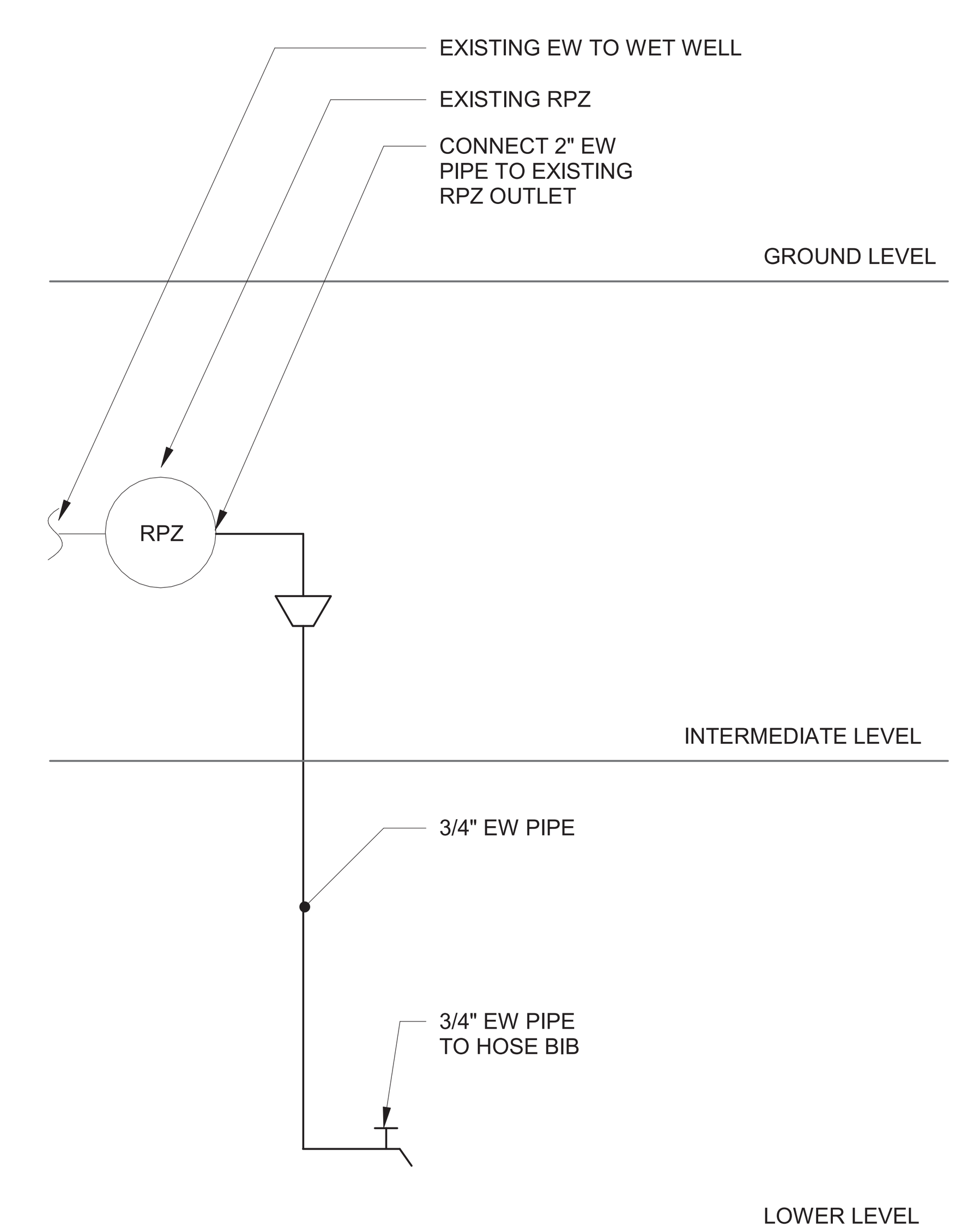
5 P-002 SEAL WATER PIPING DETAIL
1/8" = 1'-0"



SEAL WATER RISER
1/2" = 1'-0"



SANITARY WATER RISER
1/2" = 1'-0"



EFFLUENT WATER RISER
1/2" = 1'-0"

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DRAWING REVISIONS

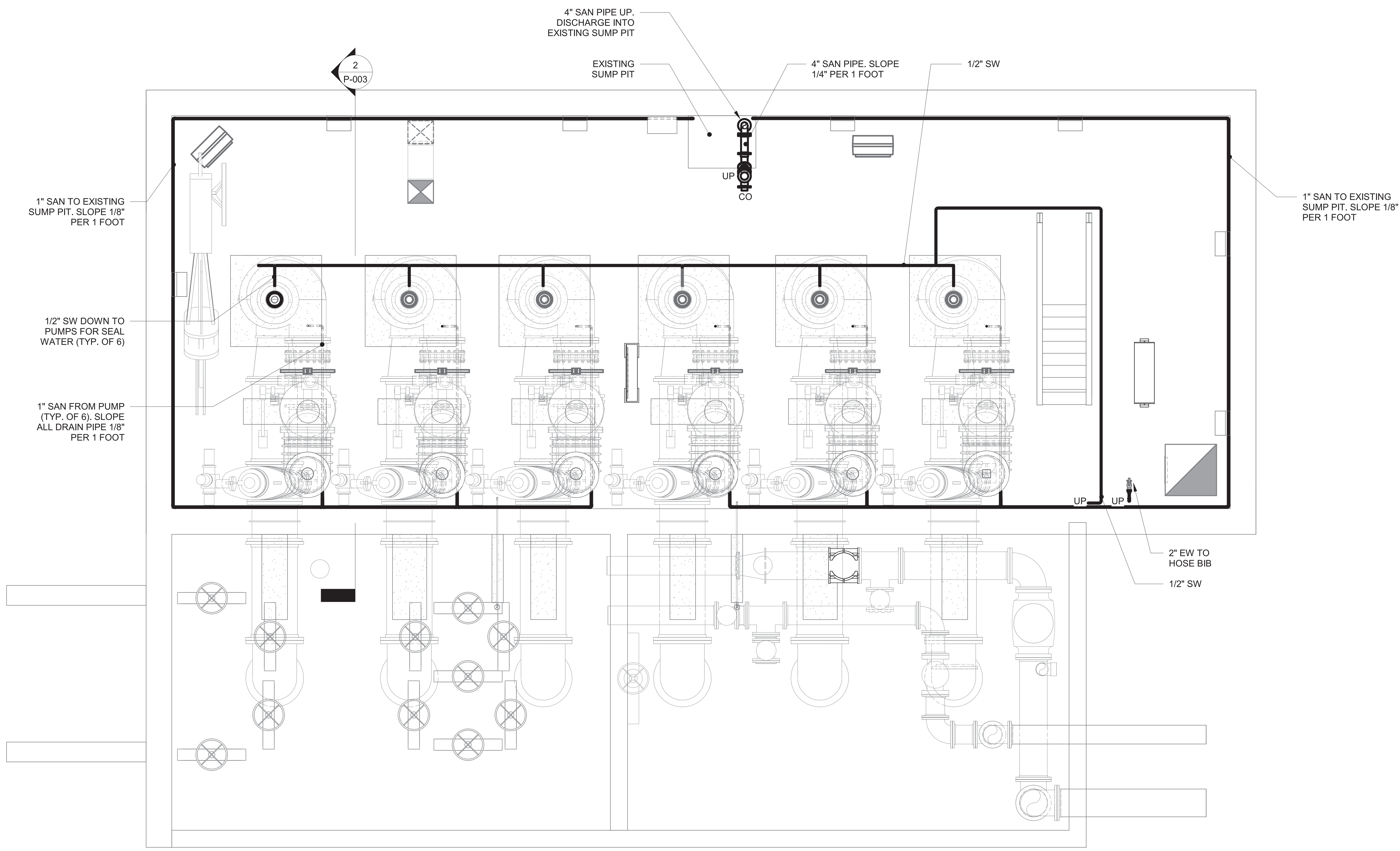
NO	DATE	REVISION	DRAWN	APPROVED
5				
4				
3	07/21	FOR CONSTRUCTION	HSM	MET
2	10/20	100 PERCENT DESIGN REVIEW	JSR	MET
1	04/20	60 PERCENT DESIGN REVIEW	JSR	MET

ORIGINAL SIZE ARCH D

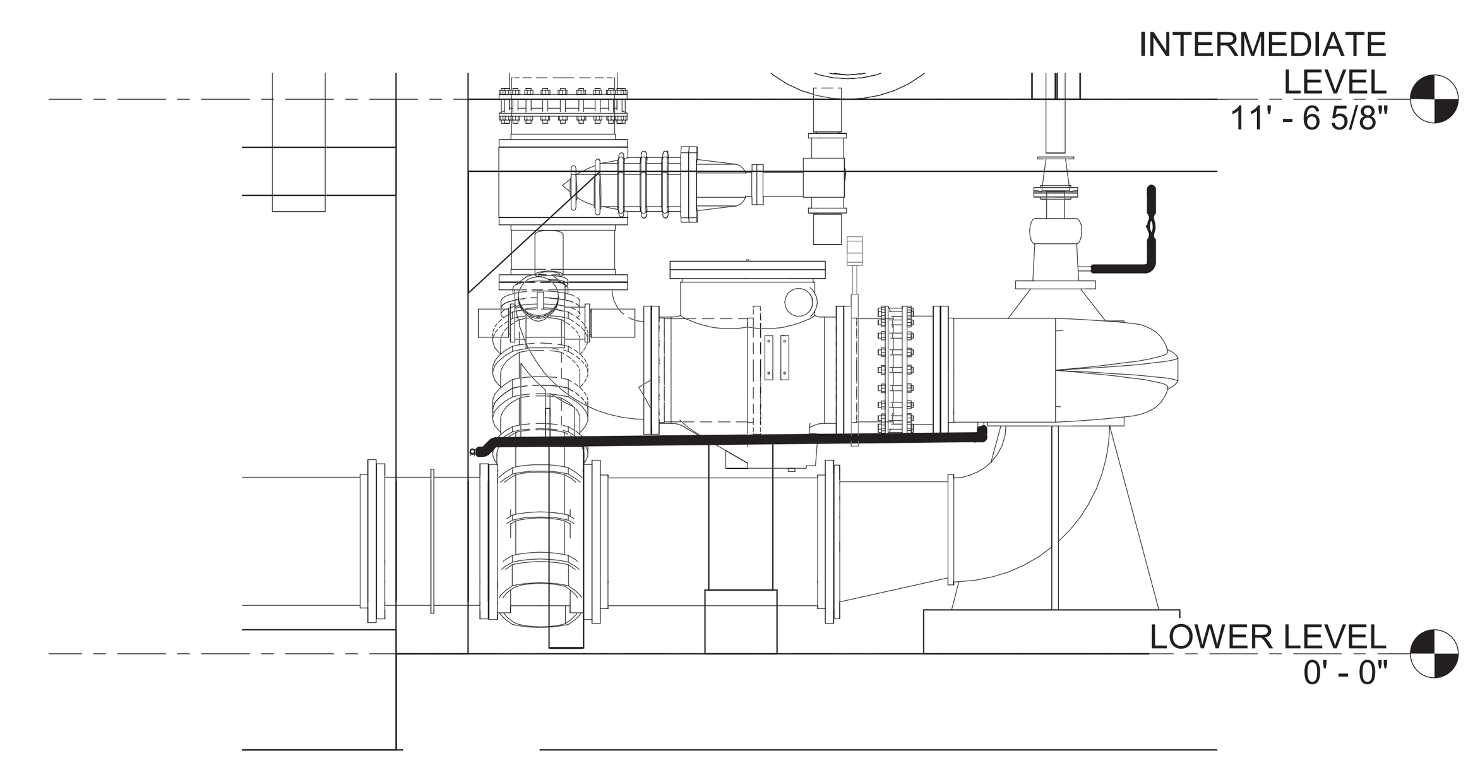
PROJECT TITLE: MAIN PUMP STATION UPGRADE
CLIENT: ROCKLAND COUNTY SEWER DISTRICT NO 1
DRAWING TITLE: DETAILS AND RISERS

DATE:	JULY 2021
SCALE:	As indicated
DRAWN:	JSR
CHECKED:	GRL
edr Job#:	19190
CONTRACT NO:	RFB-RC-SWR-DIP 2020-02

DRAWING NUMBER:
P-002



1 PLUMBING LOWER LEVEL PLAN
1/4" = 1'-0"



2 P-003 P-002 PUMP CONNECTION SECTION
1/4" = 1'-0"

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4				
3	07/21	FOR CONSTRUCTION	HSM	MET
2	10/20	100 PERCENT DESIGN REVIEW	JSR	MET
1	04/20	60 PERCENT DESIGN REVIEW	JSR	MET

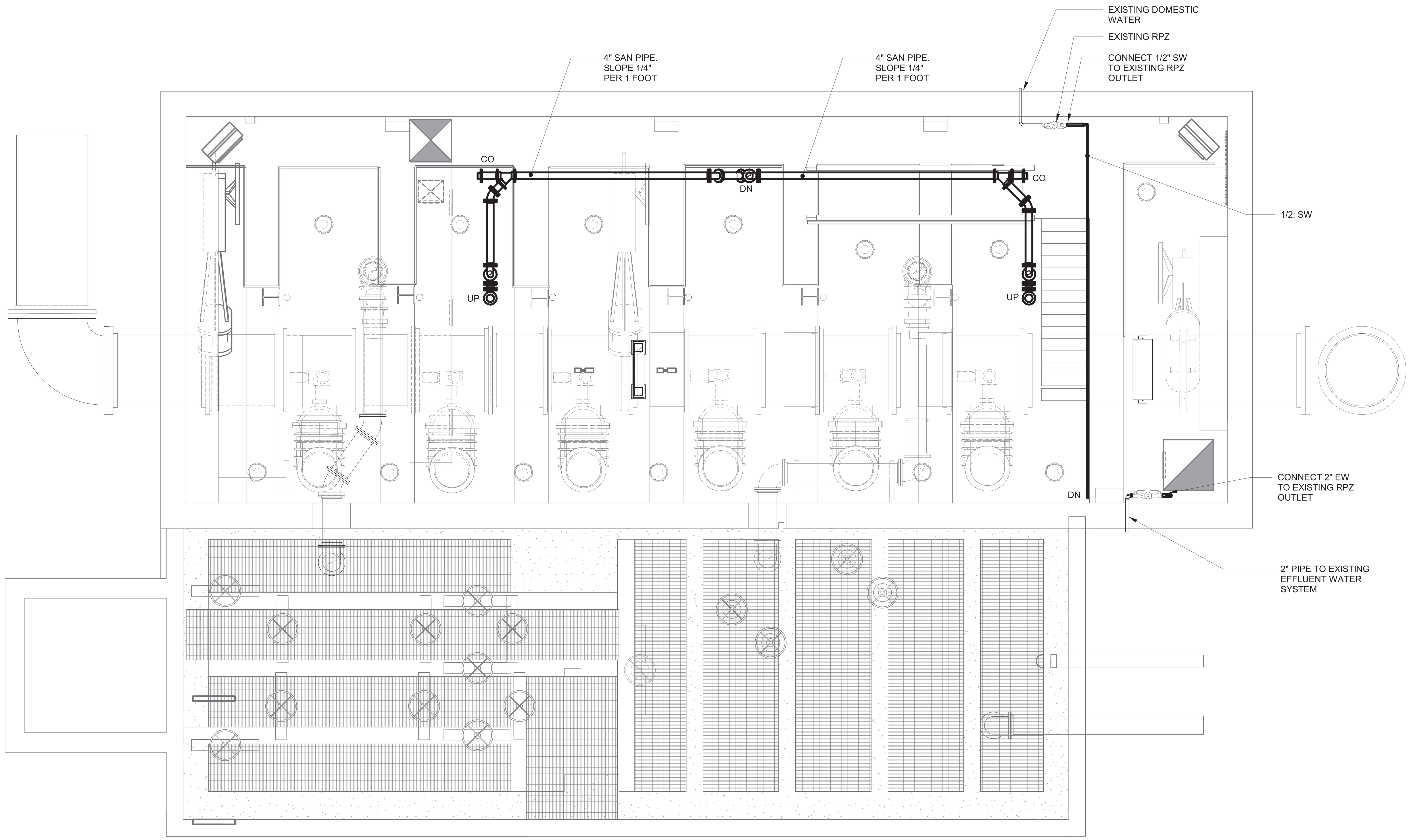
PROJECT TITLE: **MAIN PUMP STATION UPGRADE**

CLIENT: **ROCKLAND COUNTY SEWER DISTRICT NO 1**

DRAWING TITLE: PUMP STATION - LOWER LEVEL PLAN

ORIGINAL SIZE **ARCH D**

DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	JSR
CHECKED:	GRL
edr Job#:	19190
CONTRACT NO:	RFB-RC-SWR-CIP 2020-02
DRAWING NUMBER:	**P-003**



1 PLUMBING INTERMEDIATE LEVEL PLAN
1/4" = 1'-0"

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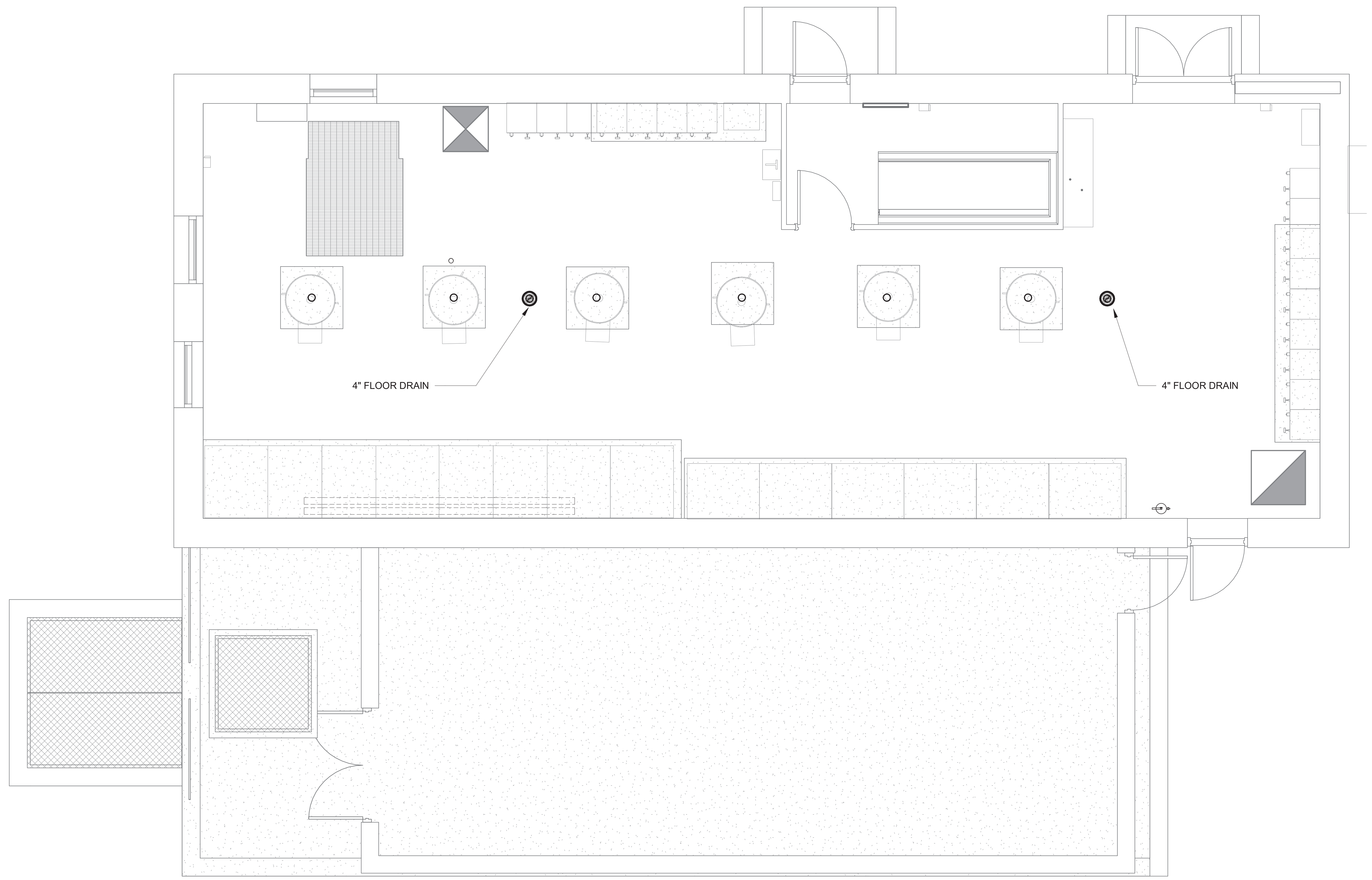
NO.	DATE	REVISION	DRAWN	APPROVED
5				
4				
3	07/21	FOR CONSTRUCTION	HSM	MET
2	10/20	100 PERCENT DESIGN REVIEW	JSR	MET
1	04/20	60 PERCENT DESIGN REVIEW	JSR	MET

ORIGINAL SIZE
ARCH D

PROJECT TITLE: **MAIN PUMP STATION UPGRADE**
CLIENT: ROCKLAND COUNTY SEWER DISTRICT NO 1
DRAWING TITLE: PUMP STATION - INTERMEDIATE LEVEL PLAN

DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	JSR
CHECKED:	GRL
edr Job#:	19190
CONTRACT NO:	RFB-RC-SWR-DIP 2020-02

DRAWING NUMBER:
P-004



1 PLUMBING GROUND FLOOR PLAN
1/4" = 1'-0"

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DRAWING REVISIONS

NO.	DATE	REVISION	DRAWN	APPROVED
5				
4				
3	07/21	FOR CONSTRUCTION	HSM	MET
2	10/20	100 PERCENT DESIGN REVIEW	JSR	MET
1	04/20	60 PERCENT DESIGN REVIEW	JSR	MET

ORIGINAL SIZE
ARCH D

PROJECT TITLE: **MAIN PUMP STATION UPGRADE**

CLIENT: **ROCKLAND COUNTY SEWER DISTRICT NO 1**

DRAWING TITLE: PUMP STATION - GROUND FLOOR PLAN

DATE:	JULY 2021
SCALE:	1/4" = 1'-0"
DRAWN:	JSR
CHECKED:	GRL
edr Job#:	19190
CONTRACT NO:	RFB-RC-SWR-CIP 2020-02

DRAWING NUMBER:

P-005