PLUMBING NOTES

- THE WORK COVERED CONSISTS OF FURNISHING ALL LABOR AND MATERIALS NECESSARY TO INSTALL, COMPLETE AND READY FOR CONTINUOUS OPERATION, THE PLUMBING SYSTEMS, ALPPARATUS AND EQUIPMENT FOR THIS PROJECT.
- ALL EQUIPMENT AND MATERIALS FURNISHED UNDER THE PLUMBING SUB-CONTRACT, LABOR AND TESTING PERFORMED HEREIN SHALL BE IN COMPLETE ACCORDANCE WITH THE STATE BUILDING CODE, LOCAL FUEL GAS AND PLUMBING CODES, ALL LOCAL CODES AND REQUIATIONS, MATIONAL FIRE PROTECTION ASSOCIATION, INSURANCE REGULATIONS AND REQUIREMENTS GOVERNING SUCH WORK
- 3. ANY AND ALL PERMITS REQUIRED FOR INSTALLATION OF ANY MATERIAL SHALL BE OBTAINED AS PART OF THE WORK OF THE SPECIFICATION INCLUDING ALL FEES OR EXPENSES INCURRED.
- 4. FOR PLUMBING SCHEDULES, REFER TO DRAWING POO.01.
- 5. FOR PLUMBING DETAILS, REFER TO DRAWINGS POS.01.
- 6. ALL PRODUCTS USED AS PART OF THE POTABLE WATER SYSTEM WHERE THE INTENDED PURPOSE IS TO DELIVER OR CONVEY POTABLE WATER FOR HUMAN CONSUMPTION SHALL BE LEAD FREE AND CONFORM TO THE LATEST "LEAD FREE" LAW.
- 7. WHERE WATER PIPING IS SHOWN DROPPING INTO PLUMBING CHASES WITH SIZES NOTED, THAT SIZE SHALL BE CARRIED FULL LENGTH THROUGH THE CHASE. REFER TO PLUMBING FIXTURE SCHEDULE ON THIS DRAWING FOR INDIVIDUAL FIXTURE CONNECTION SIZES.
- 8. UNLESS OTHERWISE NOTED, ALL HORIZONTAL DRAINAGE PIPING WHICH IS 3" OR LESS IN DIAMETER SHALL PITCH OF NOT LESS THAN 1/4" PER FOOT AND ALL HORIZONTAL DRAINAGE PIPING WHICH IS 4" OR LARGER IN DIAMETER SHALL PITCH OF NOT LESS THAN 1/8" PER FOOT.
- 9. ALL BELOW FLOOR PIPING THAT INTERSECTS A GRADE BEAM REQUIRES COORDINATION WITH STRUCTURAL.
- 10. PROVIDE ALL FLOOR CLEANOUTS WITH HUB AND SPIGOT; LEAD AND OAKUM JOINTS FROM CLEANOUT TO AND INCLUDING CONNECTION TO SANITARY OR STORM DRAIN.
- 11. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND HEIGHT OF ALL PLUMBING FIXTURES.
- 12. MISCELLANEOUS DISCREPANCIES OR OMISSIONS WHICH MIGHT APPEAR ON THE PLANS OR SPECIFICATIONS WILL NOT RELIEVE THE PLUMBING SUB-CONTRACTOR OF CODE COMPLIANCE.
- 13. ALL FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER CONNECTION.
 CONTRACTOR SHALL PROVIDE ALL ASSOCIATED EQUIPMENT NECESSARY TO PROVIDE
 A COMPLETE SYSTEM.
- 14. PROVIDE CLEANOUTS AT ALL CHANGE OF DIRECTIONS FOR STORM AND SANITARY/WASTE PIPING.
- 15. PROVIDE DANDY CLEANOUTS AT ALL EXPOSED STORM AND SANITARY/WASTE PIPING 18 INCHES (APPROXIMATELY) ABOVE FINISHED FLOOR WHERE PIPING GOES BELOW FINISHED FLOOR/GRADE.
- 16. PROVIDE WALL CLEANOUTS WITH ACCESS PANELS AT ALL STORM AND SANITARY/WASTE PIPING WITHIN PIPE CHASES OR WALLS.
- 17. HANDICAPPED ACCESSIBLE FIXTURES SHALL BE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY QUIDELINES FOR BUILDINGS AND FACILITIES AND THE RULES AND REQULATIONS OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD. WHERE THE TWO STANDARDS DIFFER, THE MORE STRINGENT SHALL APPLY.
- 18. ALL INTERIOR BURIED DOMESTIC WATER PIPING, NON-POTABLE WATER PIPING, TEMPERED WATER PIPING OR AIR PIPING SHALL BE SOFT ROLLED "X" COPPER COIL AND BE PROTECTED WITH A HIGH DENSITY RUBBER INSULATION, FITTINGS SHALL NOT BE PERMITTED IN OR UNDER SLAB, PROVIDE SLAB PENETRATIONS WITH SLEEVE AND FIRE STOPPING.
- 19. RISER DIAGRAMS ARE SHOWN TO INDICATE PIPE SIZES ONLY AND ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTING FOR FIXTURE CONNECTION SIZES, REFER TO PLUMBING FIXTURE SCHEDULE ON PLUMBING DRAWING POIL. IF ACCESS PARELS ARE REQUIRED. LOCATE BENEATH COUNTER TOPS IN AN ACCESSIBLE LOCATION WHICH SHALL NOT INTERFERE WITH OTHER PIPING, WHERE CONFLICTS IN PIPE SIZES OCCUR BETWEEN FLOOR PLANS AND RISER DIAGRAMS, THE LARGER PIPE SIZE SHALL PREVAIL.

PLUMBING LEGEND

PLUMBING LEGEND							
SYMBOL	ABBREVIATION	DESCRIPTION					
	ETR	LIGHT LINE INDICATES EXISTING PIPING TO REMAIN					
IHHHHHHHH	RE	REMOVE EXISTING PIPING					
0	сте	CONNECT TO EXISTING					
~	C&C	CUT & CAP					
		BELOW FLOOR PIPING (INDICATED AS DOUBLE LINEWORK)					
	CW	COLD WATER					
	HW	HOT WATER					
	HWR	HOT WATER RECIRCULATION					
	S or W	SOIL OR WASTE					
	v	VENT					
	RW	RAIN WATER CONDUCTOR					
OFD	OFD	STORM WATER OVER FLOW DRAINAGE					
G	G	NATURAL GAS					
P0	PD	PUMPED DISCHARGE					
- $$ $$ $$	HTI / TMC	HEAT TRACE AND INSULATE					
	CONT	CONTINUATION					
 0	UP	PIPE RISE OR UP					
	DP OR ON	PIPE DROP OR DOWN					
	TEE	PIPE TEE					
	VOS	SHUT-OFF VALVE					
*		GAS COCK					
Å		SOLENOID VALVE					
-10	VIV	VALVE IN VERTICAL					
	CA	CHECK VALVE					
}	BVA	BALANCING VALVE ASSEMBLY					
30	₩&T	WASTE & TRAP					
—— ∞	OED	OPEN END DRAIN WITH BACKWATER VALVE					
<i>→</i> ~	co	CLEANOUT PLUG					
	FC0	FLUSH FLOOR CLEANOUT					
÷	GCO	GRADE CLEANOUT					
	000	DANDY CLEANOUT					
<u>_</u>		CAPPED PIPE					
.01		ARROW INDICATES DIRECTION OF FLOW					
4.		ARROW INDICATES DIRECTION OF SLOPE					
——————————————————————————————————————		UNION					
IP	WTS	WATERTIGHT SLEEVE					
	TP	TRAP PRIMER					
	HB	HOSE BIBB					
 - 1 .	НW	WALL HYDRANT DIAGRAM NO. & DWG, NO. REFERENCE					
P-1							
(1)	FD "A"	FLOOR DRAIN & TYPE					
•	RD *A*	ROOF DRAIN & TYPE					
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER					
	Wit	WATER METER					
GM	GM	GAS METER					
<u></u>	C0 _	CARBON MONOXIDE DETECTOR					
(6) (7)	T	THERMOMETER					
	PG	PRESSURE GAUGE WITH PETCOCK					
7 0	T&P	TEMPERATURE AND PRESSURE RELIEF VALVE					
P A	SA	SHOCK ABSORBER					
?		VACUUM RELIEF VALVE					

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	WH-1	WATER HEATER & NUMBER
	SS	SOIL STACK
	v s	VENT STACK
	VTR	VENT THRU ROOF
	INV	INVERT
	TMV	THERMOSTATIC MIXING VALVE
	TW	TEMPERED WATER (70'F)
	TYP	TYPICAL
	NTS	NOT TO SCALE
	AFF	ABOVE FINISHED FLOOR
	LPC	LIMIT OF PLUMBING CONTRACT
	GC	GENERAL CONTRACTOR
	FPC	FIRE PROTECTION CONTRACTOR
	PC	PLUMBING CONTRACTOR
	EC	ELECTRICAL CONTRACTOR
	HVAC	HVAC CONTRACTOR
	LPC	LIMIT OF PLUMBING CONTRACT
	WC	WATER CLOSET
	UR	URINAL
	LAV	LAVATORY
	MR	MOP RECEPTOR
	SHR	SHOWER
	DF	DRINKING FOUNTAIN
	SK	SINK
	F&I	FURNISH & INSTALL
	S=.01	SLOPE = 1/8" PER FOOT
	S≈.02	SLOPE = 1/4" PER FOOT
	NO	HORMALLY OPEN
	NC	NORMALLY CLOSED
	F.F.E.	FINISHED FLOOR ELEVATION

PREPARED BY



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SUBCONSULTANT



Mechanical/Electrical Enginee 150 Grossman Drive, Suite 309 Braintree, Massachusetts 8218-617 328-9215 web: www.zar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 2

Taunton, MA

TITLE

Plumbing Legend and General Notes

Ö.	RI	EVISIONS	DATE
R/	WN BY:	RLB	
ES	IGNED BY:	JL	
HE	CKED BY:	JL	
SS	UE DATE:	10/16/2020	
ET	'A JOB NO.:	6050	

SCALE

NONE

For Review Only

SHEET NO.

	PLUMBING FIXTURE SCHEDULE												
DESIGNATION	DESIGNATION FIXTURE DESCRIPTION CONNECTION SIZE REMARKS												
		₩1	HWI	BLW	SAH	Y	NP#1	HPH#1	HHI TO THE TOTAL				
HB~1 H05E BB8 1/2"						-							
HB-2	HOSE BIBB	1.	-	-			*		-				
HB-3	HOSE BIBS	3/4*	-	-	-	-	-	-	DUAL TEMPERATURE — HOT AND COLD WALL FAUCET				
EWU-1	EMERGENCY SHOWER/EYEWASH	-	-	1 1/4*	-	-	-	-	INTERIOR MOUNTED, CORROSION RESISTANT, EMERGENCY SHOWER/EYEWASH (COMBINATION UNIT) WITH HORN, STROBE AND FLOW SWITCH — DOOR CONTROL ROOM				

	SUMP PUMP SCHEDULE									
DESIGNATION	DESIGNATION LOCATION MODEL CAPACITY NEAD TYPE ELECTRICAL REDURREDUITS REMARKS									REMARKS
			(СРИ)	(FEET)		RPM	HP HP	VOLTS.	-	
4SP-1	SLUDGE PUMP STATION NO.1 PLAN	WEIL 2443	20	40	DUPLEX Subjectsible	1750	1/2	480	3	AUTOMATIC WITH FLOAT
4SP-2	SLUDGE PUMP STATION NO.2 PLAN	VEN 2441	20	40	DUPLEX Submersible	1750	1/2	480	3	AUTOVATIC WITH FLOAT

SHOCK ABSORBER SCHEDULE							
PDI RATING SYMBOL	Α	В	c	D	Ε		
PRECISION PLUMBING PRODUCTS	SC-500	SC750	SC-1000	SC-1250	SC1500		
WAITS REGULATOR COMPANY	0750030	0750053	0750060	0750070	0750090		
WADE	5P	10-P	20-P	50-P	75-P		

MANUFACTURERS NAMES AND MODEL NUMBERS ARE SHOWN ONLY TO REPRESENT TYPE, STYLE AND LEVEL OF QUALITY EXPECTED, REFER TO SPECIFICATIONS FOR ACCEPTABLE EQUAL MANUFACTURERS.

DRAIN SCHEDULE									
DESIGNATION	DESIGNATION TYPE MANUFACTURER MODEL OUTLET STRAINER REMARKS								
FD'A'	FD .	J.R. SMITH	2005Y-A-P050	NO HUB	NICK-BRZ	FRISHED AREAS			
FD'B'	FD	J.R. SMITH	9700CCF8MNB	CAULK	NICK-BRZ	CLASSIFIED OR HAZARDOUS AREAS			
FD'C'	FD.	J.R. SMITH	2005Y-8-P050	CAULK	NICK-BRZ	SHOWERS			
RO'A	RĐ	ZURN	Z121	HÓ HƯĐ	CAST IRON DOME	REPLACE DRAW TO ACCOMMODATE NEW ROOF			

- * ALL FLOOR DRAWS SHALL BE PROVIDED WITH AUTOMATIC TRAP PRIMERS. REFER TO DETAIL FOR PIPHIK ARRANGEMENT.
- WANDFACTURERS NAMES AND MODEL INLINGERS ARE SHOWN ONLY TO REPRESENT TYPE. STYLE AND LEVEL OF OUALITY EXPECTED, REFER TO SPECIFICATIONS FOR ACCEPTABLE EQUAL WANDFACTURERS.

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PROJECT

Taunton Wastewater Treatment Facility Improvements Phase 2

Taunton, MA

TITLE

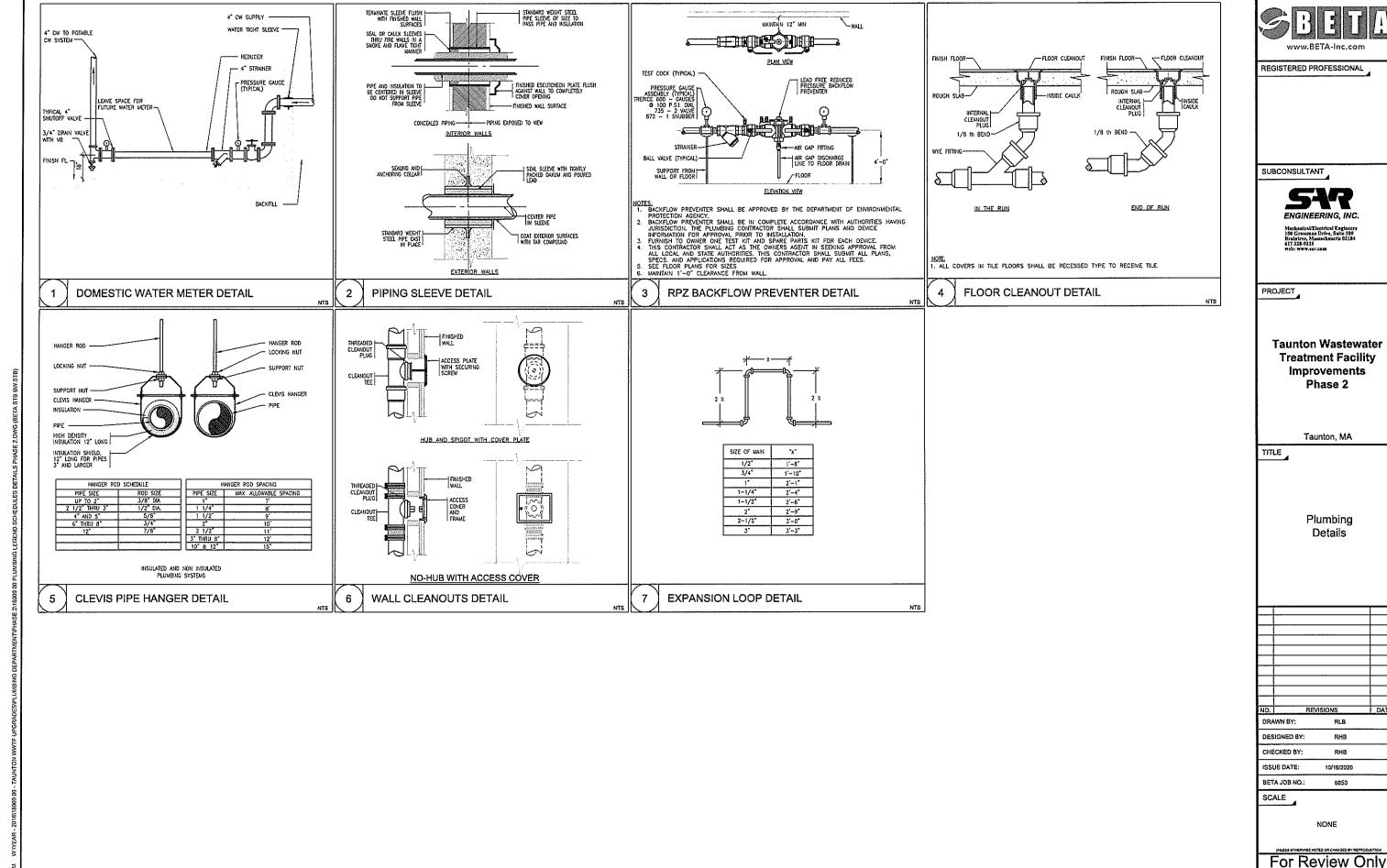
Plumbing Schedules

Ο,		REVISIONS	DATE
)R/	AWN BY:	RLB	
DES	IGNED BY:	RHB	
CHE	CKED BY:	RHB	
SS	UE DATE:	10/16/2020	
3E1	A JOB NO.:	6050	
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NONE

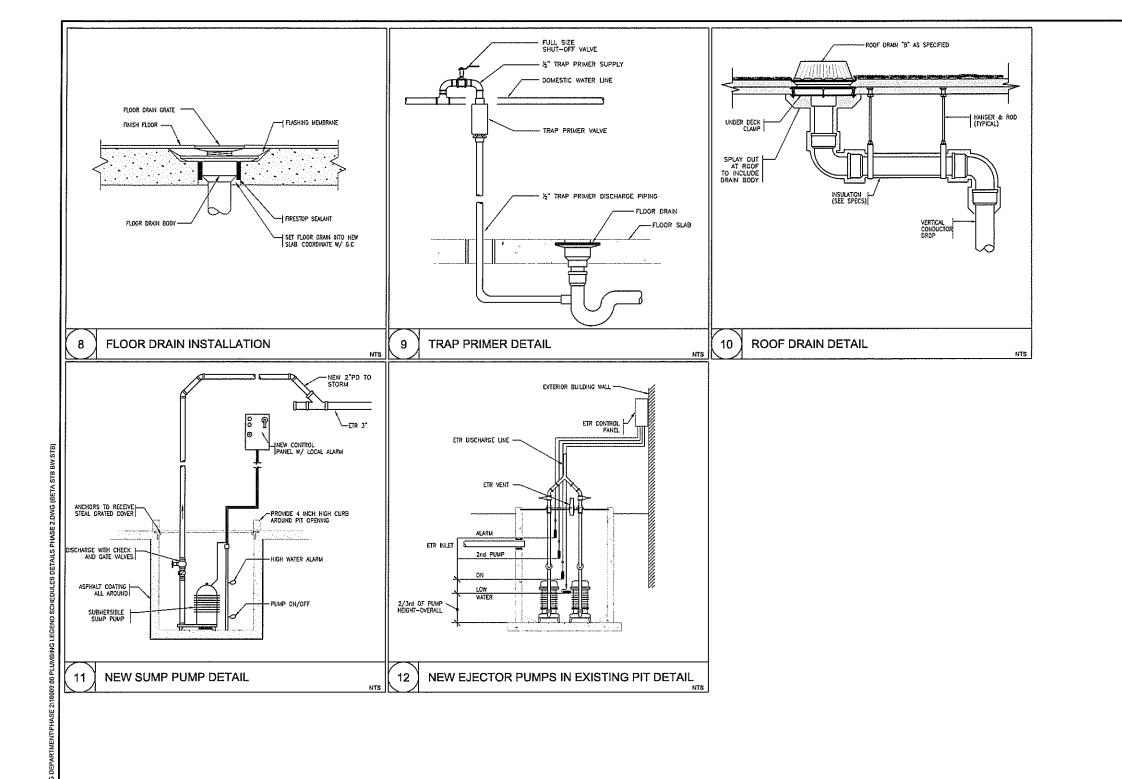
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SHEET NO.



SHEET NO.

PREPARED BY



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BETAINGLEOM

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PROJECT

Taunton Wastewater Treatment Facility Improvements Phase 2

Taunton, MA

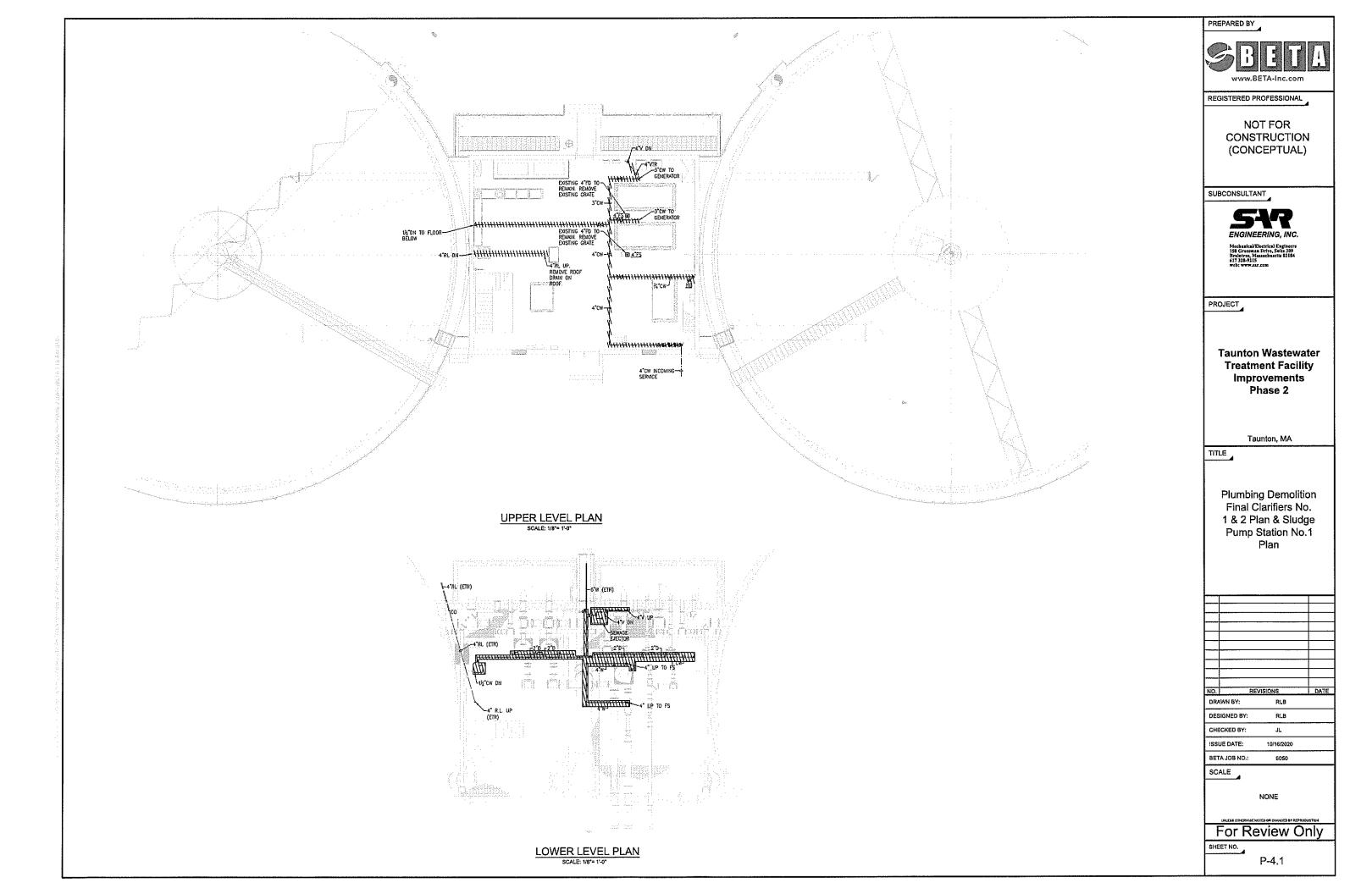
TITLE

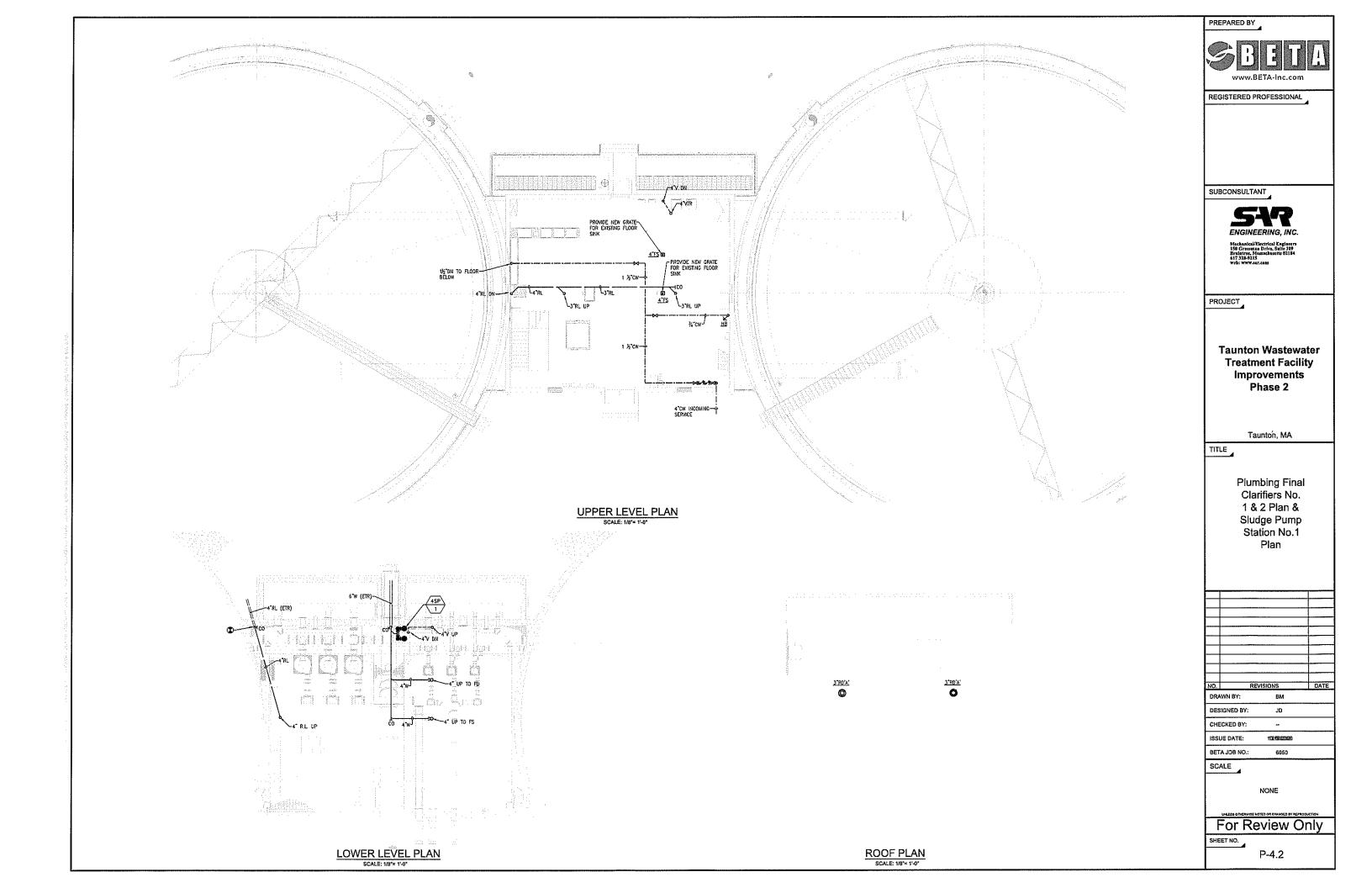
Plumbing Details

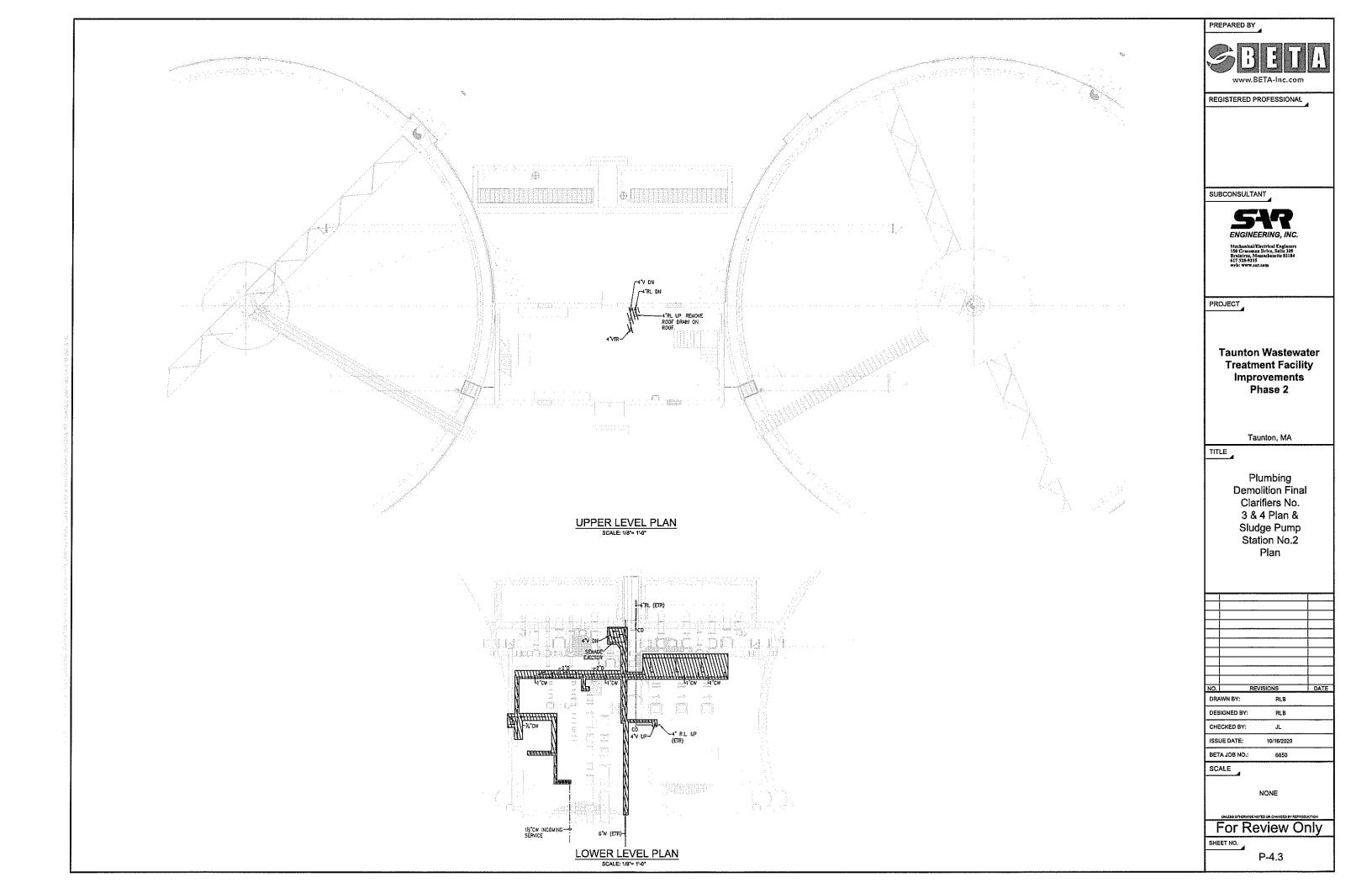
NO. REVISIONS DATE
DRAWN BY: RLB
DESIGNED BY: RHB
CHECKED BY: RHB
ISSUE DATE: 10/18/2020
BETA JOB NO.: 6050
SCALE
NONE

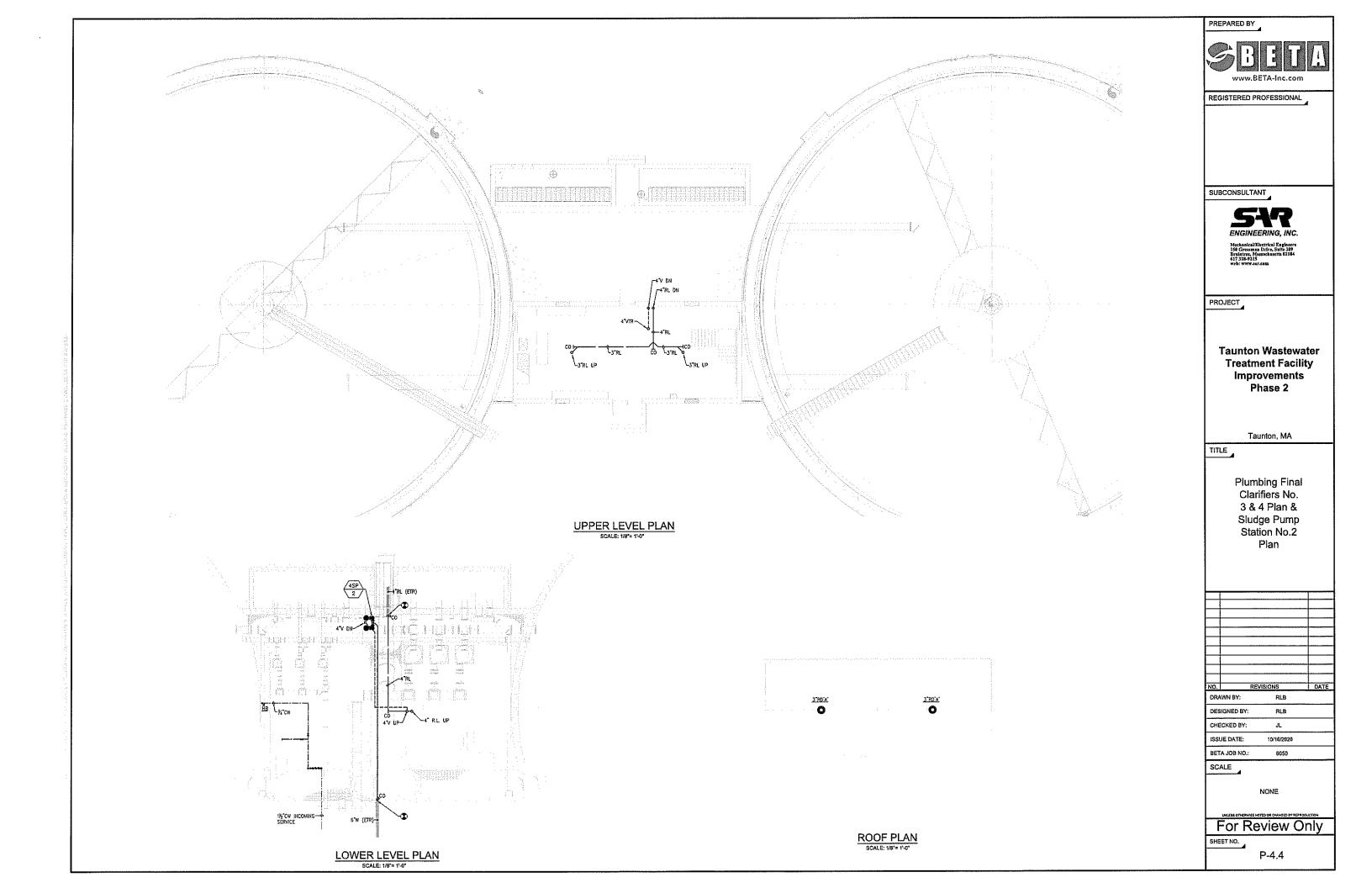
For Review Only

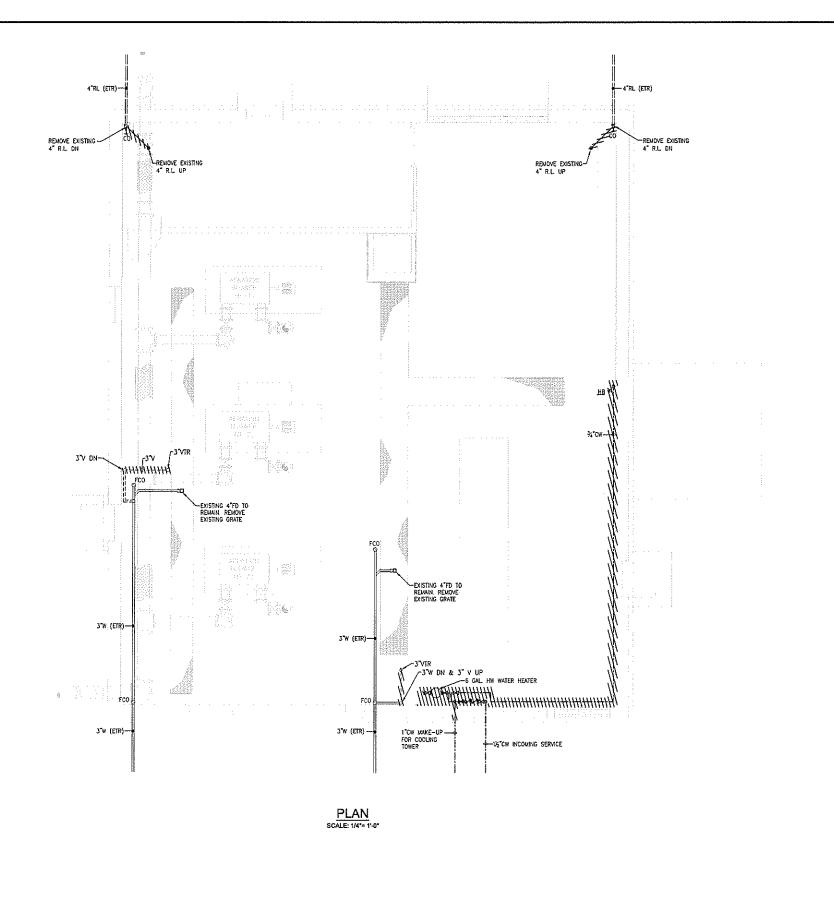
SHEET NO.











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PROJECT

Taunton Wastewater Treatment Facility Improvements Phase 2

Taunton, MA

TITLE

Plumbing Demolition Storage Building Plan

			_	
<u> </u>				
NO.	P.C.	VISIONS)AT
				<i>))</i>
DRA	AWN BY:	RLB		
DES	SIGNED BY:	RLB		
СНІ	ECKED BY:	JL		
ISS	UE DATE:	10/16/2020		
BET	A JOB NO.:	6050		
sc	ALE			

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SHEET NO.

P-9.1

3'RD'A' Y.EO.A.

PLAN SCALE: 1/4** 1'-0*

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SUBCONSULTANT



PROJECT

Taunton Wastewater Treatment Facility Improvements Phase 2

Taunton, MA

TITLE

Plumbing Storage Building Roof Plan

			_
			_
NO.		REVISIONS	D/
	WN BY:		<i>DP</i>
DRA	WW DT:	RLB	
DES	IGNED BY:	RLB	
CHE	CKED BY:	JĻ	
ISS	JE DATE:	10/16/2020	
BET	'A JOB NO.:	6050	
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SHEET NO.

P-9.3