

PLUMBING ABBREVIATIONS			
A/E	ARCHITECT / ENGINEER	I/W	INDIRECT WASTE
AD	AREA DRAIN	IWH	INSTANTANEOUS WATER HEATER
AD	ACCESS DOOR	KW	KILOWATT
ADA	AMERICANS WITH DISABILITIES ACT	LAV	LAVATORY
AFF	ABOVE FINISH FLOOR	M	METER
AFG	ABOVE FINISHED GRADE	MC	MECHANICAL CONTRACTOR
AHJ	AUTHORITY HAVING JURISDICTION	MBH	1000 BTUH
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MH	MANHOLE
AP	ACCESS PANEL	NC	NORMALLY CLOSED
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION & AIR CONDITIONING ENGINEERS	NG	NATURAL GAS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	NIC	NOT IN CONTRACT
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	NOM	NOMINAL
		NPW	NON POTABLE WATER
		NTS	NOT TO SCALE
AWWA	AMERICAN WATERWORKS ASSOCIATION	O2	OXYGEN
BFG	BELOW FINISHED GRADE	OD	OUTSIDE DIAMETER
BHP	BREAK HORSEPOWER	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
BOR	BASE OF RISER		
BTU	BRITISH THERMAL UNIT	P	PUMP
BTUH	BRITISH THERMAL UNIT PER HOUR	PC	PLUMBING CONTRACTOR
C	CELSIUS	PD	PUMP DISCHARGE
CA	COMBUSTION AIR	PDI	PLUMBING AND DRAINAGE INSTITUTE
CA	COMPRESSED AIR	PF	PLUMBING FIXTURE
CGA	COMPRESSED GAS ASSOCIATION	PG	PRESSURE GAGE
CI	CAST IRON	PPM	PARTS PER MILLION
CO	CLEANOUT	PRS	PRESSURE REDUCING STATION
CO2	CARBON DIOXIDE	PRV	PRESSURE REDUCING VALVE
COND	CONDENSATE	PSI	POUNDS PER SQUARE INCH
CP	CIRCULATING PUMP	PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
CPVC	CHLORINATED POLYVINYL CHLORIDE	PSIG	POUNDS PER SQUARE INCH GAUGE
CU	COPPER	PVC	POLYVINYL CHLORIDE
CW	COLD WATER (DOMESTIC)	RD	ROOF DRAIN
D	DRAIN	RL	RAIN LEADER
DIA	DIAMETER	RO	REVERSE OSMOSIS WATER
DFU	DRAINAGE FIXTURE UNIT	RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
DN	DOWN	SAN	SANITARY SEWER
DPCO	DECK PLATE CLEANOUT	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
DWG	DRAWING	SCFM	STANDARD CUBIC FOOT/MINUTE
DWH	DOMESTIC WATER HEATER	SCW	SOFTENED COLD WATER
DWV	DRAIN WASTE VENT	SP	SUMP PUMP
EC	ELECTRICAL CONTRACTOR	SPFT	SQUARE FEET
EL	ELEVATION	SS	STAINLESS STEEL
ET	EXPANSION TANK	ST	STORM SEWER
EW	ELECTRIC WATER COOLER	T&P	TEMPERATURE & PRESSURE (RELIEF VALVE)
EXIST	EXISTING	TD	TRENCH DRAIN
F	FAHRENHEIT	TDH	TOTAL DYNAMIC HEAD
FD	FLOOR DRAIN	TEMP	TEMPERATURE/TEMPORARY
FU	FIXTURE UNITS	TMV	THERMOSTATIC MIXING VALVE
FV	FLUSH VALVE	TP	TRAP PRIMER
G	NATURAL GAS	TSTAT	THERMOSTAT
GAL	GALLON	TW	TEMPERED WATER
GALV	GALVANIZED	TYP	TYPICAL
GC	GENERAL CONTRACTOR	UC	UNDERCUT
GPH	GALLONS PER HOUR	UH	UNIT HEATER
GPM	GALLONS PER MINUTE	UL	UNDERWRITERS LABORATORY
H&CW	HOT AND COLD WATER	UPC	UNIFORM PLUMBING CODE
HB	HOSE BIBB	UR	URINAL
HC	HEATING & HVAC CONTRACTOR	V	VENT
HD	HUB DRAIN	VB	VACUUM BREAKER
HP	HORSEPOWER	VTR	VENT THROUGH ROOF
HS	HAND SINK	WC	WATER CLOSET
HW	HOT WATER (DOMESTIC)	WCO	WALL CLEANOUT
INV	INVERT	WH	WALL HYDRANT
IC	IRRIGATION CONTRACTOR	WHA	WATER HAMMER ARRESTER
		WSFU	WATER SUPPLY FIXTURE UNIT
		XA	EXHAUST AIR

PLUMBING SYMBOLS			
	- NEW PIPING AND EQUIPMENT		- GAUGE WITH BALL VALVE
	- EXISTING TO REMAIN PIPING AND EQUIPMENT		- AUTOMATIC AIR VENT
	- PIPING AND EQUIPMENT FOR REMOVAL		- MANUAL AIR VENT
	- BALL VALVE		- THERMOMETER
	- BALL VALVE (HOSE END & CAP)		- BUTTERFLY VALVE
	- BALANCING VALVE		- PIPE CAP
	- CHECK VALVE		- END OF LINE CLEAN OUT
	- CONTROL VALVE - 2 WAY		- HOSE BIBB
	- DRAIN VALVE WITH HOSE BIBB		- FLOOR DRAIN
	- FLANGED CONNECTION		- FLOOR DRAIN WITH P-TRAP
	- FUSIBLE LINK OIL SHUTOFF VALVE		- DECK PLATE CLEAN OUT
	- FLOW CONTROL VALVE		- GAS OUTLET
	- GATE VALVE		- WATER HAMMER ARRESTOR
	- GLOBE VALVE		- WALL HYDRANT
	- GAS COCK		- VACUUM BREAKER

- GENERAL PLUMBING NOTES:**
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
  - CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
  - ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
  - PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
  - PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
  - WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
  - MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
  - CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE. INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
  - ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
  - SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
  - PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF 12"x12", UNLESS OTHERWISE NOTED.
  - DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.
  - 
  - CLEANING DURING PLUMBING WORK: THE MECHANICAL ROOM AND ROOMS WHERE WORK WILL BE DONE TO MINIMIZE DISTURBANCE IN THE BUILDINGS. WORKERS ARE TO USE PATHWAYS AND FACILITIES AGREED UPON WITH THE DISTRICT DESIGNER IN WRITING. THE AREA OUTSIDE THE BUILDING WHERE CUTTING, WELDING OR STORAGE IS ALLOWED IS TO BE FENCED AT ALL TIMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BUILDING OF ANY DEBRIS OR GARBAGE GENERATED BY THEIR WORK.
  - EACH CONTRACTOR RESPONSIBLE FOR RETURNING WALLS, CEILINGS AND SURFACES THEY DISTURB THAT ARE NOT SCHEDULED FOR REPLACEMENT BACK TO ORIGINAL CONDITIONS.

- COORDINATION NOTE:**
- COORDINATE WITH ALL CONTRACTORS AND DISTRICT.
  - SEE SITE DRAWINGS FOR ADDITIONAL CONTRACTOR WORK AS MARKED.

I, EISENBACH & ROLNKE, ARCHITECTS & PLANNERS, CERTIFY THAT I AM A LICENSED PROFESSIONAL ARCHITECT/PLANNER IN THE STATE OF NEW YORK. I HAVE REVIEWED AND APPROVED THIS DRAWING. ANY ALTERATIONS MUST HAVE THE SEAL, ATTACHED ALONG WITH A DESCRIPTION OF THE ALTERATION, THE SIGNATURE AND DATE. COPYRIGHT © 2019

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STAMP



WARWICK VALLEY CENTRAL SCHOOL DISTRICT  
HIGH SCHOOL RENOVATIONS, FIELD WORK AND  
EXTERIOR BATHROOM BUILDING  
225 WEST STREET EXT, WARWICK, NY 10990

CBBS SED NO. 44-21-01-06-7-041-001 (BB-FIELD BATHROOM BUILDING) 89 SANGROVILLE ROAD, WARWICK, NY 10990  
CJFF SED NO. 44-21-01-06-7-041-001 (FF-W/ FOOTBALL FIELD) 89 SANGROVILLE ROAD, WARWICK, NY 10990  
CDHS SED NO. 44-21-01-06-0-001-040 (HS-W/ HIGH SCHOOL) 89 SANGROVILLE ROAD, WARWICK, NY 10990

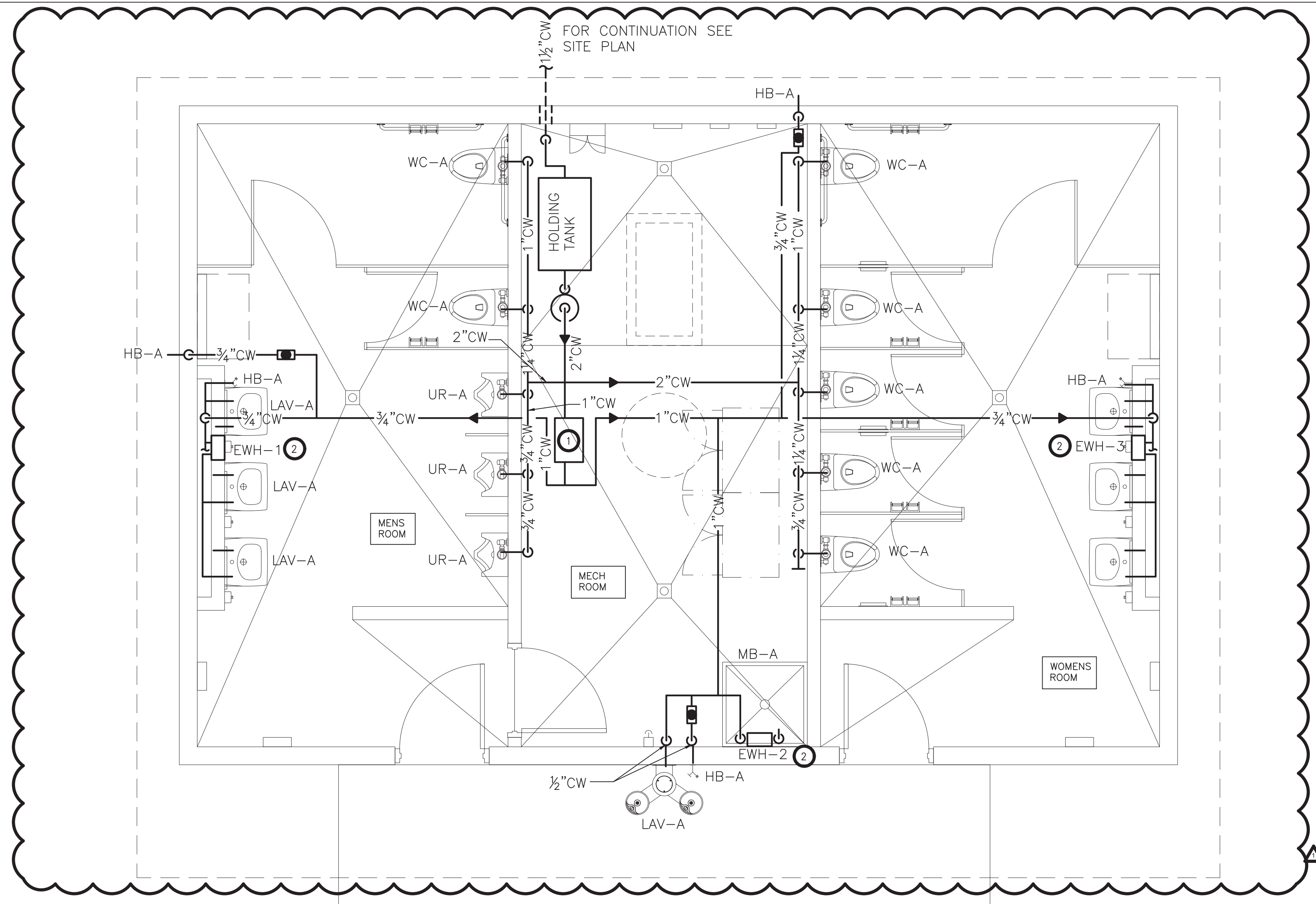
PROJECT NO.	05-21-04 05-20-06
ADDENDUM 1	5.3.2022
BD SET	04.08.2022
REVISION	DATE
DRAWN BY	
CHECKED BY	
SHEET SIZE	30" x 42"
SCALE	AS NOTED

SHEET TITLE  
ABBREVIATIONS  
AND NOTES

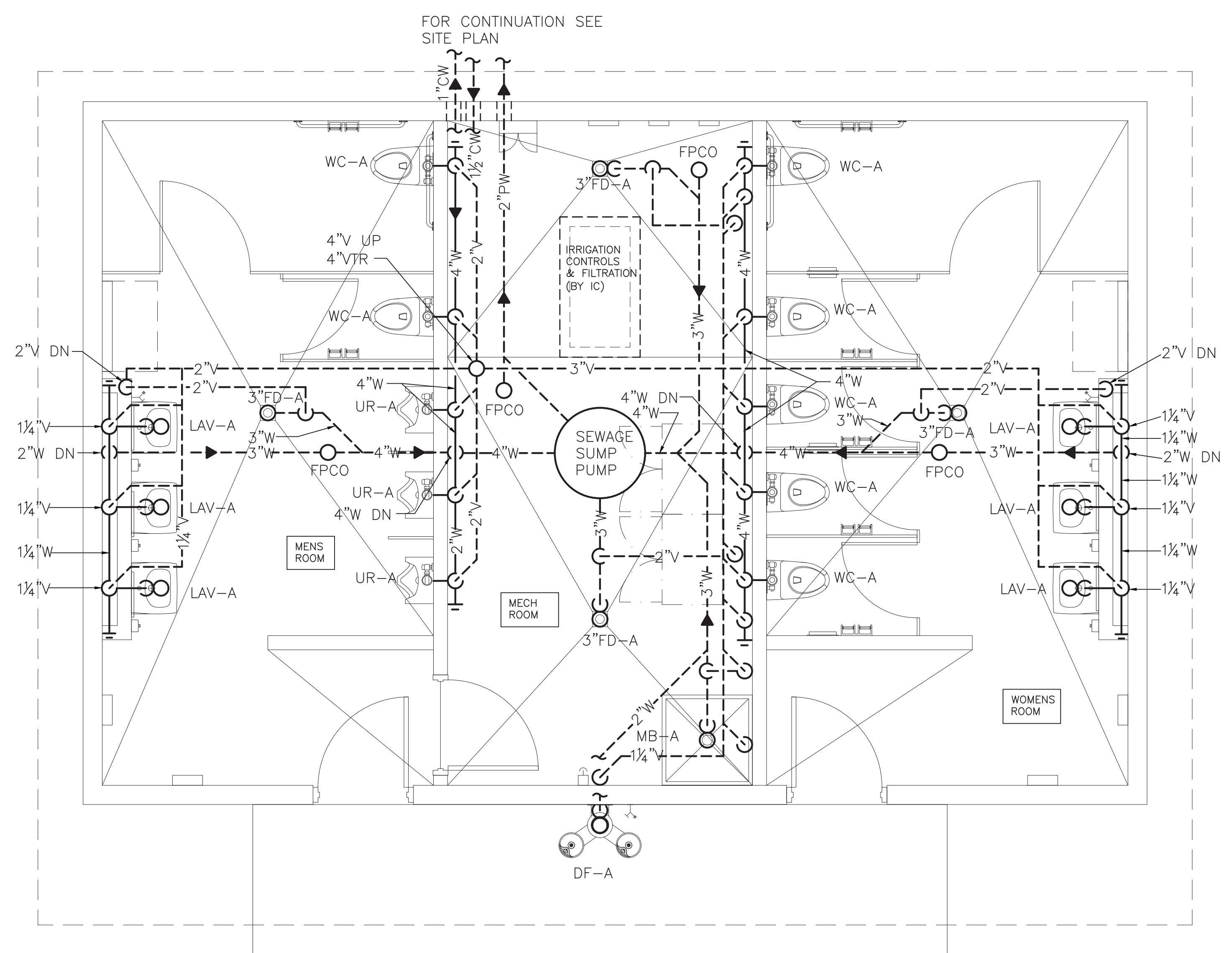
SHEET NO.

P-001

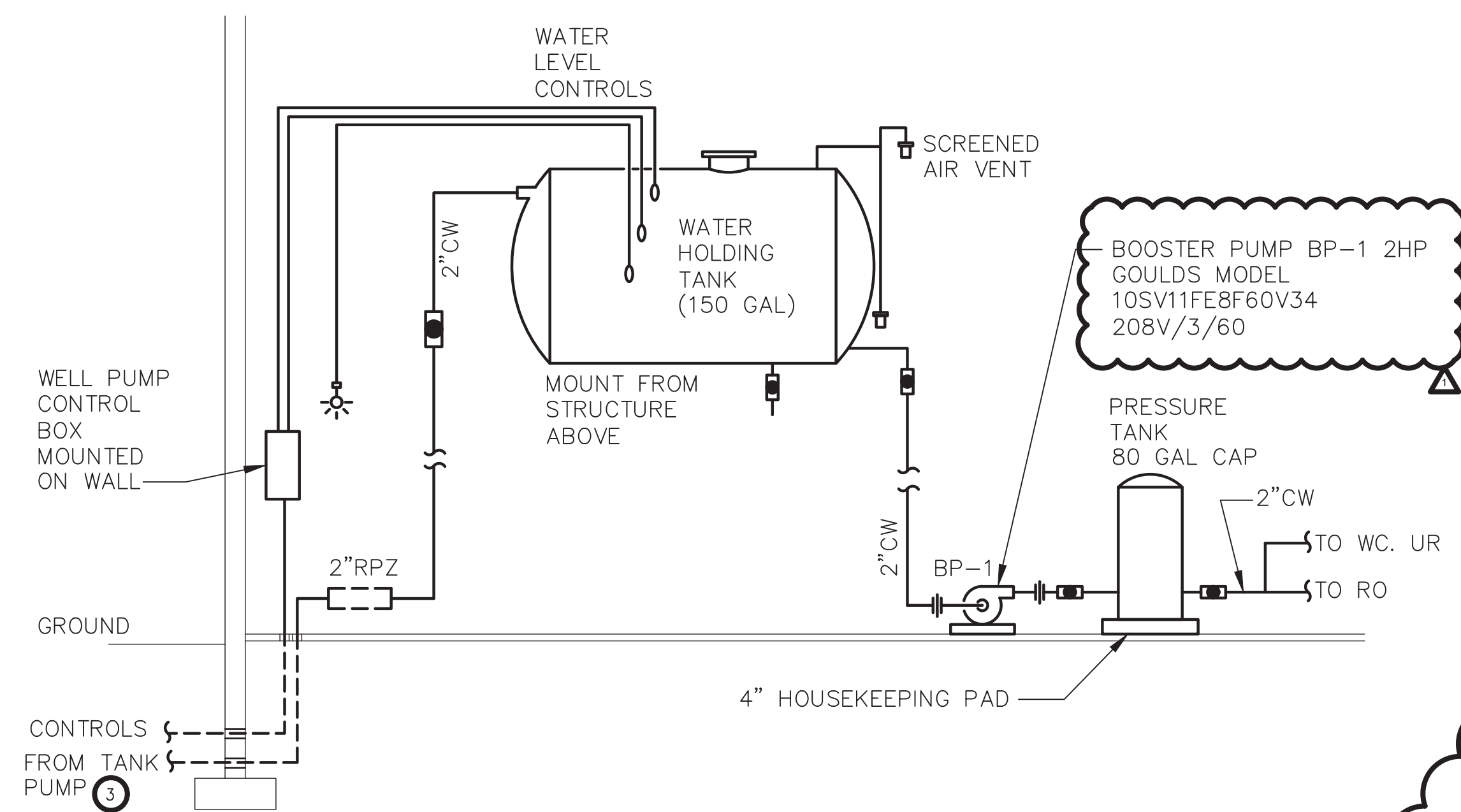




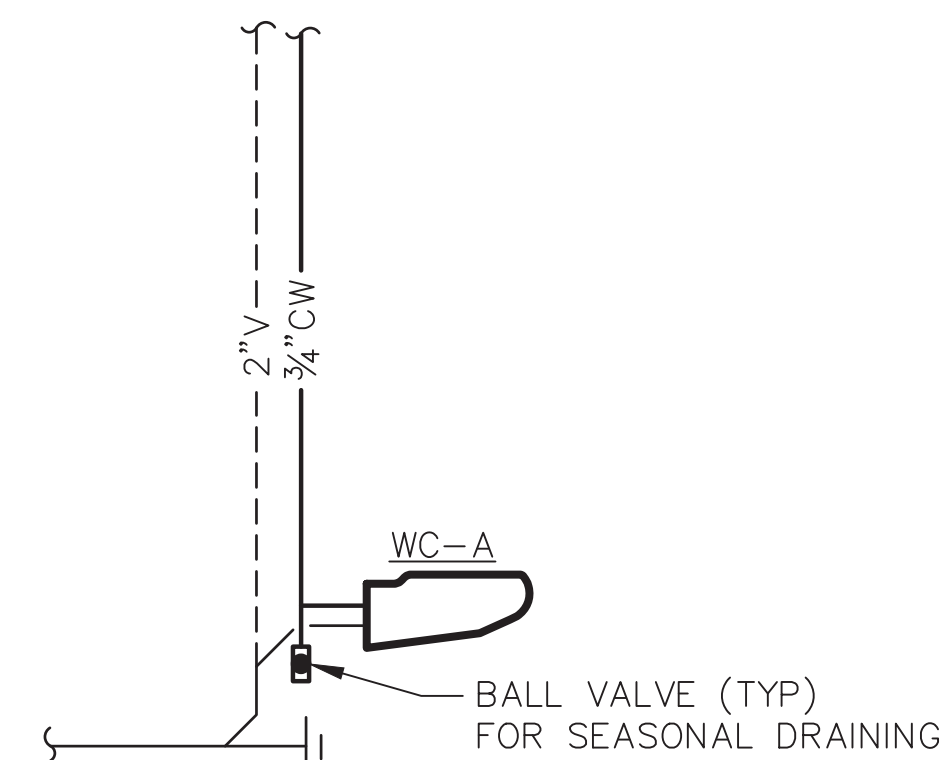
2 BATHROOM FLOOR PLAN HW & CW - NEW WORK  
SCALE: 3/8"=1'-0"



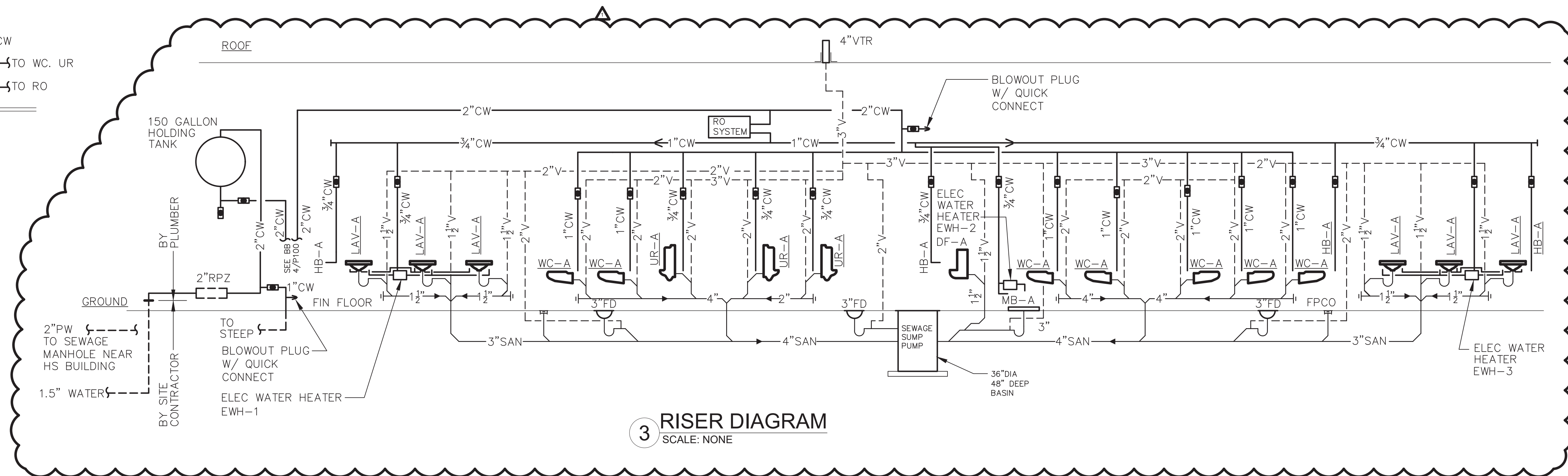
1 BATHROOM FLOOR PLAN SAN & VENT- NEW WORK  
SCALE: 3/8"=1'-0"



4 WATER STORAGE TANK/PRESSURE TANK DETAIL  
SCALE: NONE



5 TYPICAL DRAIN CONNECTION  
AT ALL PLUMBING FIXTURES  
SCALE: NONE



3 RISER DIAGRAM  
SCALE: NONE

- KEYED NOTES - NEW WORK:
- 1 PROVIDE REVERSE OSMOSIS SYSTEM NEO-PURE RO-4300-DLX AND ALL APPURTENANCES. TO FEED ALL LAVATORIES AND DRINKING FOUNTAIN. (INSTALL PER MANUFACTURERS RECOMMENDATIONS. (BIDDING PURPOSES ONLY)
  - 2 PROVIDE CHROMOMITE Z-R SERIES MODEL R-58L/277 Z-R1818D AND ALL APPURTENANCES. PROVIDE LOCKABLE DOOR (OR APPROVED EQUAL). INSTALL PER MANUFACTURERS RECOMMENDATIONS.
  - 3 PROVIDE DWP-1 (N TANK) GRUNDOS 2250E07-120, 230V-VARIABLE SPEED 20 GPM @ 80FT/HD 1.5 HP. PROVIDE CONSTANT PRESSURE KIT CU301-MKII & TRANSDUCER. PROVIDE EXPANSION TANK WATTS DETA-20 8 GALLON AND APPURTENANCES.
  - 4 WELL PUMP WP-1 (TBD) THE WELL DRILLER NEEDS TO PROVIDE A CERTIFIED WATER REPORT FOR PROPER SIZING OF THE WELL PUMP AND REVERSE OSMOSIS SYSTEM. PROVIDE A ALLOWANCE OF \$20,000 DOLLARS FOR BIDDING PURPOSES ONLY FINAL SIZING BY MECHANICAL ENGINEER.

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STATE OF NEW YORK  
REGISTERED PROFESSIONAL ENGINEER

WARWICK VALLEY CENTRAL SCHOOL DISTRICT  
HIGH SCHOOL RENOVATIONS, FIELD WORK AND  
EXTERIOR BATHROOM BUILDING  
225 WEST STREET EXT, WARWICK, NY 10990

PROJECT NO. 05-21-04  
05-20-08

ADDENDUM 1 5.3.2022  
BB SET 04.08.2022  
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SHEET SIZE 30" X 42"  
SCALE AS NOTED  
SHEET TITLE BATHROOM FLOOR PLAN - NEW WORK

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95-21-04  
05-20-08

BB  
P-100

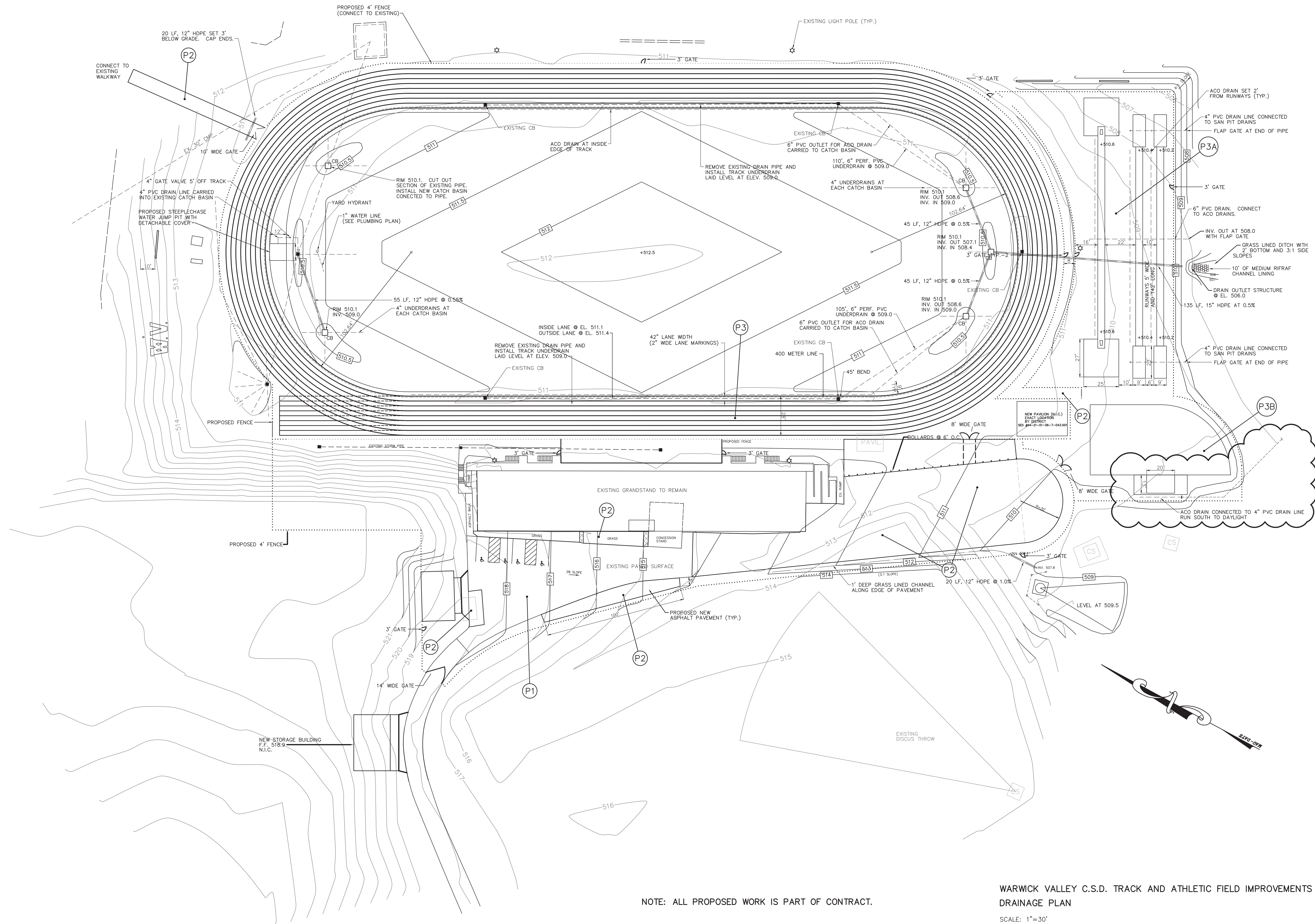












NOTE: ALL PROPOSED WORK IS PART OF CONTRACT.

WARWICK VALLEY C.S.D. TRACK AND ATHLETIC FIELD IMPROVEMENTS  
DRAINAGE PLAN

SCALE: 1"=30'

FILE A: WARWICK VALLEY C.S.D. TRACK AND ATHLETIC FIELD IMPROVEMENTS - DRAINAGE PLAN. THE DESIGNER HAS REVIEWED THE SUBMITTAL AND HAS APPROVED THE DESIGN. THE DESIGNER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DESIGN AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED. THE DESIGNER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DESIGN AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED. THE DESIGNER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DESIGN AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED.

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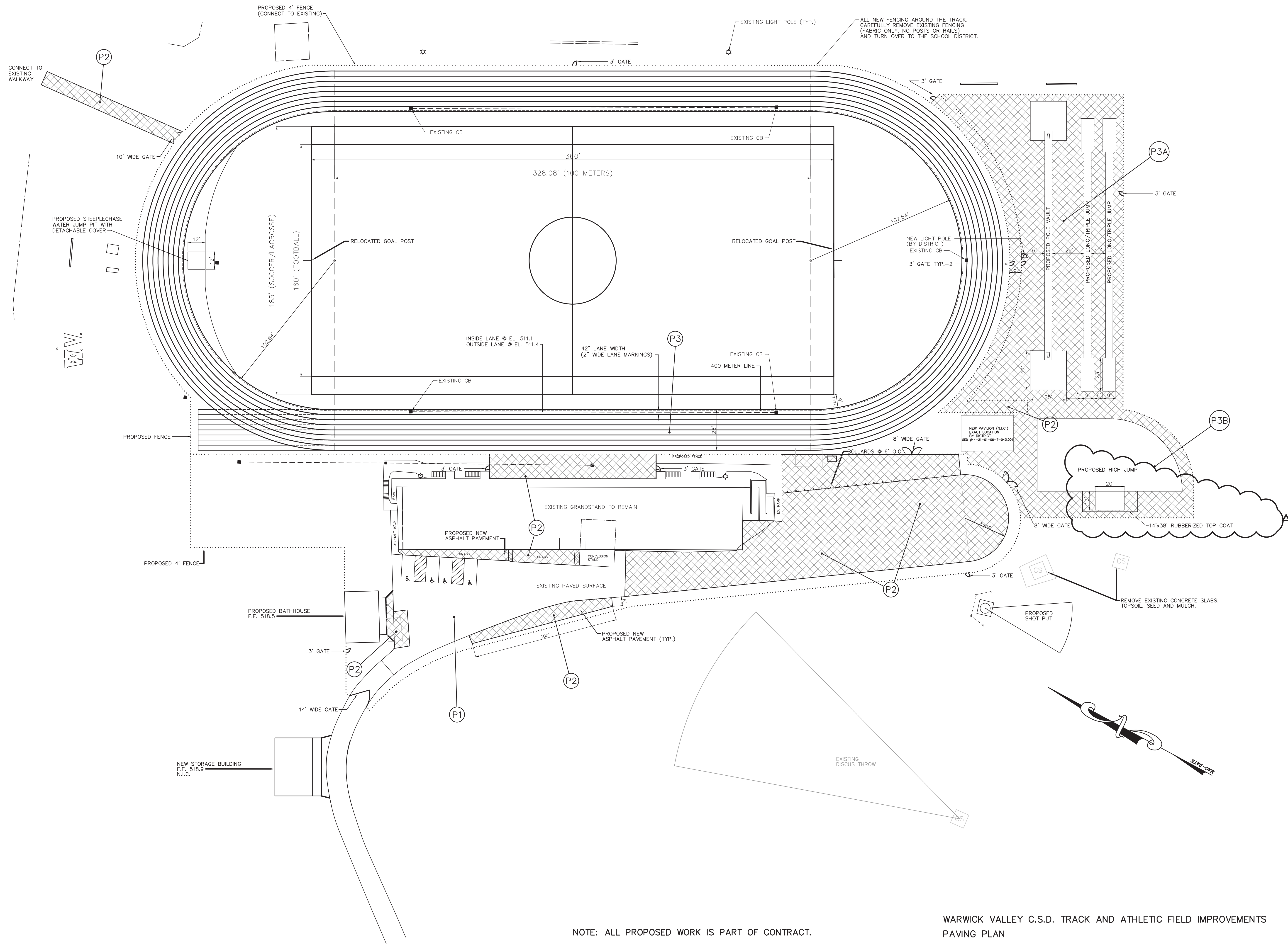
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ADDENDUM 1	05.03.2022
BID SET	04.08.2022
REVISION	DATE
DRAWN BY	
CHECKED BY	
SHEET SIZE	30" x 42"
SCALE	AS NOTED

SHEET TITLE  
DRAINAGE PLAN

SHEET NO.

S-122





NOTE: ALL PROPOSED WORK IS PART OF CONTRACT.

WARWICK VALLEY C.S.D. TRACK AND ATHLETIC FIELD IMPROVEMENTS  
PAVING PLAN

SCALE: 1"=30'

IF A WORKMAN OF THE CITY OR ANY PERSON UNDERTAKES TO ALTER THE LOCATION OF A STRUCTURE, OR TO REMOVE OR ADD TO ANY STRUCTURE, OR TO ALTER THE EXISTING OR PROPOSED PAVING, THE CITY ENGINEER MUST HAVE THE SEAL ATTACHED ALONG WITH A DESCRIPTION OF THE ALTERATION, THE SIGNATURE AND DATE. COPYRIGHT © 2019

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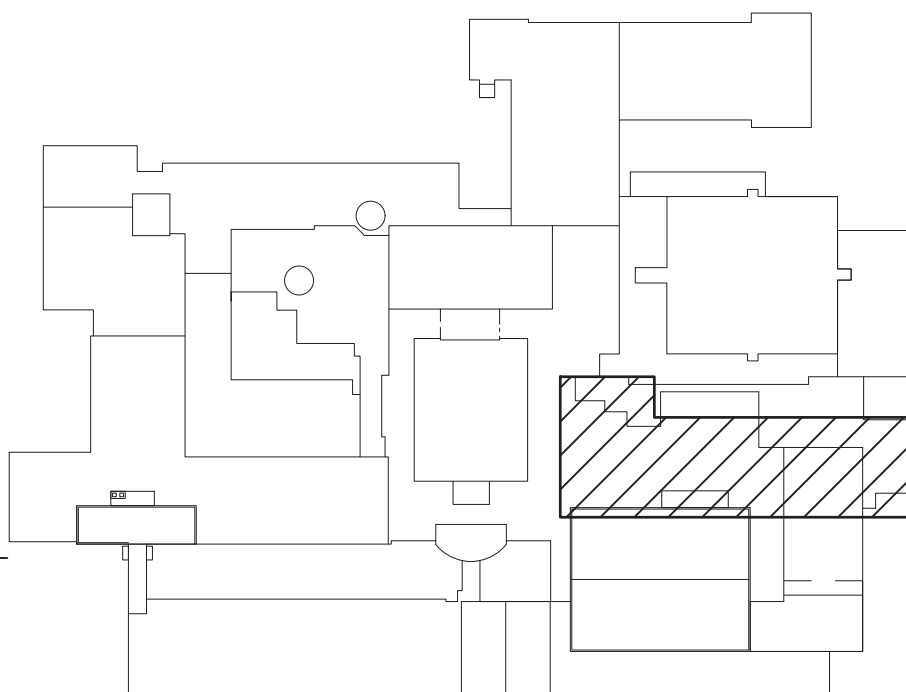
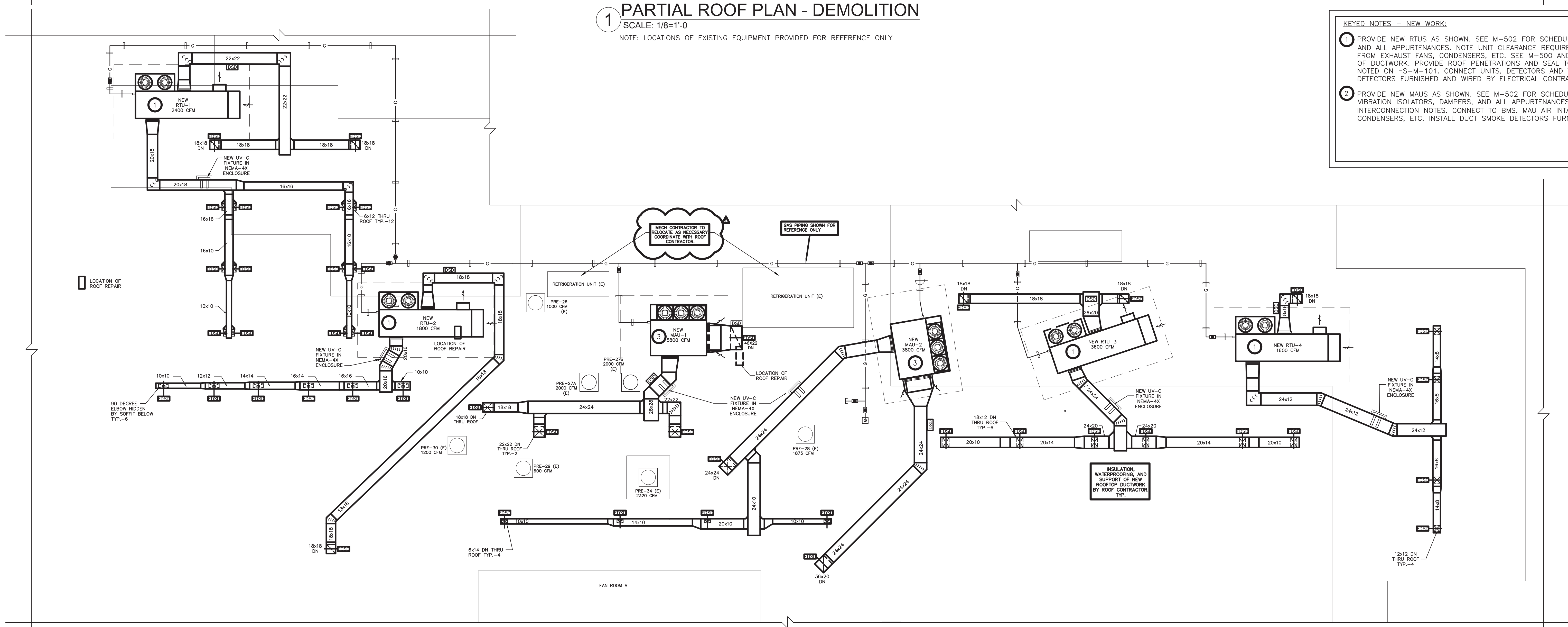
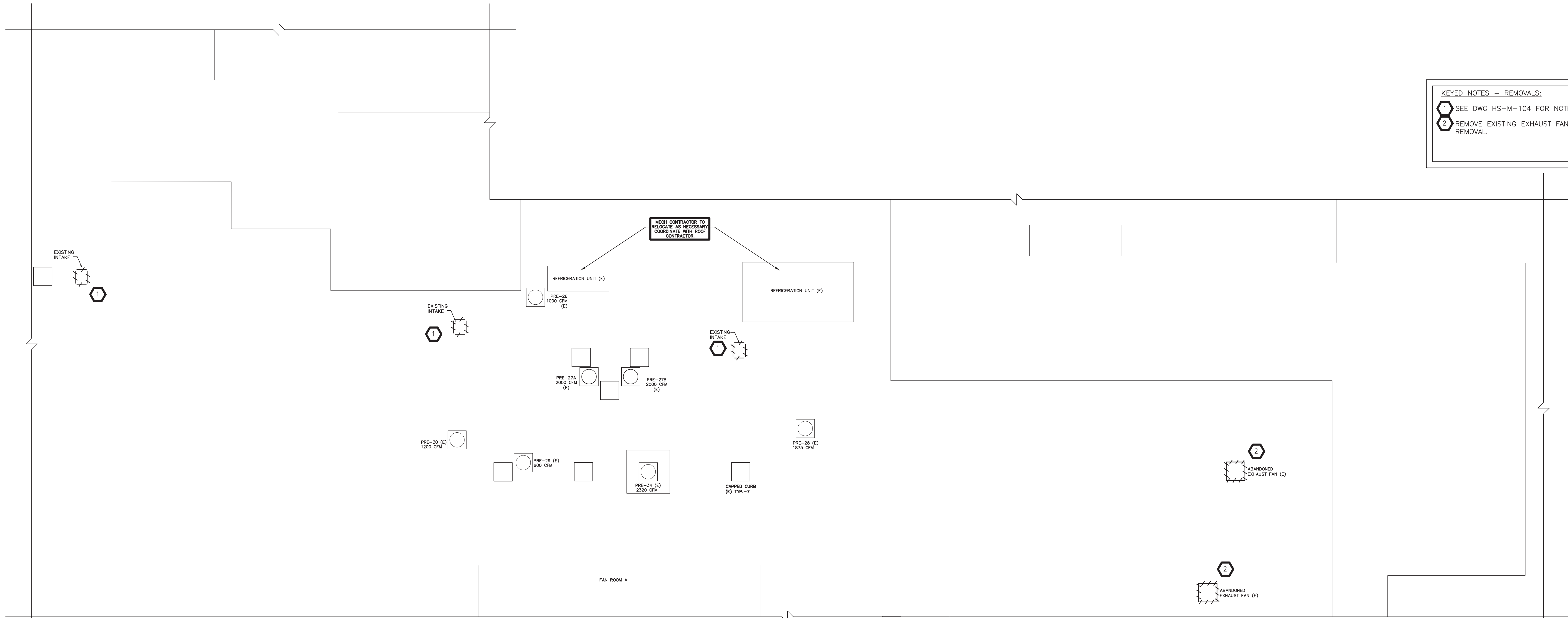


WARWICK VALLEY CENTRAL SCHOOL DISTRICT  
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SHEET TITLE	PAVING PLAN





**KEYED NOTES - REMOVALS:**

1 SEE DWG HS-M-104 FOR NOTES ON REMOVAL OF EXISTING INTAKES ON ROOF.

2 REMOVE EXISTING EXHAUST FAN. COORDINATE WITH E.C. AND ROOF CONTRACTOR FOR REMOVAL.

**KEYED NOTES - NEW WORK:**

1 PROVIDE NEW RTUS AS SHOWN. SEE M-502 FOR SCHEDULE. PROVIDE DUCTWORK, VIBRATION ISOLATORS, DAMPERS, AND ALL APPURTENANCES. NOTE UNIT CLEARANCE REQUIREMENTS. RTU AIR INTAKES SHALL MAINTAIN A 10' DISTANCE FROM EXHAUST FANS, CONDENSERS, ETC. SEE M-500 AND M-501 FOR DETAILS. SEE HS-M-101 FOR CONTINUATION OF DUCTWORK. PROVIDE ROOF PENETRATIONS AND SEAL TO MAKE WEATERTIGHT. CONNECT TO TEMPERATURE SENSORS NOTED ON HS-M-101. CONNECT UNITS, DETECTORS AND TEMPERATURE SENSORS TO BMS. INSTALL DUCT SMOKE DETECTORS FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR. STRUCTURAL SUPPORTS BY ROOF CONTRACTOR.

2 PROVIDE NEW MAUS AS SHOWN. SEE M-502 FOR SCHEDULE. PROVIDE DUCTWORK WITH INTERIOR ACOUSTIC LINING, VIBRATION ISOLATORS, DAMPERS, AND ALL APPURTENANCES. TIE INTO EXISTING EXHAUST FANS. SEE SEQUENCING FOR INTERCONNECTION NOTES. CONNECT TO BMS. MAU AIR INTAKES SHALL MAINTAIN 10' DISTANCE FROM EXHAUST FANS, CONDENSERS, ETC. INSTALL DUCT SMOKE DETECTORS FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR.

**GENERAL NOTES:**

1. SEE UV-C LIGHTING SCHEDULES FOR NEW AND EXISTING EQUIPMENT.

2. CONTRACTOR TO COORDINATE WORK TO MAINTAIN ROOF WARRANTY.

3. ALL INTAKES AND DUCTWORK MARKED FOR REMOVAL ARE TO REMAIN FUNCTIONAL UNTIL ASSOCIATED HVAC EQUIPMENT IS REMOVED.

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JAMES EISENBACH  
No. 05894  
Professional Engineer

**WARWICK VALLEY CENTRAL SCHOOL DISTRICT  
HIGH SCHOOL RENOVATIONS, FIELD WORK AND  
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225 WEST STREET EXT, WARWICK, NY 10990

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<b>PARTIAL ROOF PLAN - KITCHEN, SERVERY, &amp; CAFETERIAS - DEMOLITION &amp; NEW WORK</b>	
SHEET NO.	
<b>HS M-103</b>	

FILE PATH: N:\1 - PROJECT DIRECTORIES\1- E & R Projects\05- Warwick Valley OSD\05-21-04 Warwick Federal Grant Project\CAD Package 2\05-21-04\HS-M101-M104.dwg



PANEL SCHEDULE															
PANEL ID: PP-1		VOLTS/PHASE/WIRE 277V/480Y/3PH/4W		PANEL SIZE 400A		MIN SCC 22 KAIC		LOCATION: MECH ROOM							
NOTES	CR. No.	CIRCUIT DESCRIPTION			BKR.	#	BKR.	CIRCUIT DESCRIPTION			CR. No.	NOTES			
	1				A						2				
	3	IRRIGATION PUMP (PUMP PROVIDED BY IC)			B	30A		GRINDER PUMP GP-2			4				
	5				C		6								
	7	GRINDER PUMP GP-1			A	75A		ELECTRIC WATER HEATER EWH-2			8				
	9				B	75A					ELECTRIC WATER HEATER EWH-3			10	
	11				C	20A								PUMP CONTROLS	
	13	SPACE			A	20A		ELECTRIC UNIT HEATER EUH1 (BOYS)			14				
	15	SPACE			B	20A					ELECTRIC UNIT HEATER EUH3 (GIRLS)			16	
	17	SPACE			C	20A		ELECTRIC UNIT HEATER EUH2 (MECH RM)						18	
	19	SPACE			A									20	
	21	WELL PUMP			B	60A		277/480V 50KVA 3PHASE TRANSFORMER						22	
	23				C		24								
	25				A	20A		SPACE			26				
	27	ELECTRIC WATER HEATER EWH-1			B	20A		SPACE			28				
	29	SPACE			C	20A		SPACE			30				
	31	SPACE			A	20A		SPACE			32				
	33	SPARE			B	20A		SPARE			34				
	35	SPARE			C	20A		SPARE			36				
	37	SPARE			A	20A		SPARE			38				
	39	SPARE			B	20A		SPARE			40				
	41	SPARE			C	20A		SPARE			42				

**NOTES:**

MAINS FROM EXISTING SCORBOARD PANEL BOX  
2 SETS OF 500 MCM TO BRANCH PANELBOARD

**GENERAL NOTES:**

- PANELBOARD BUS RATING 400 AMPS
- 277V/480V - 3PHASE/4 WIRE
- SURFACE MOUNTED 42 POLE
- PROVIDE GROUNDING ELECTRODES AT BUILDING

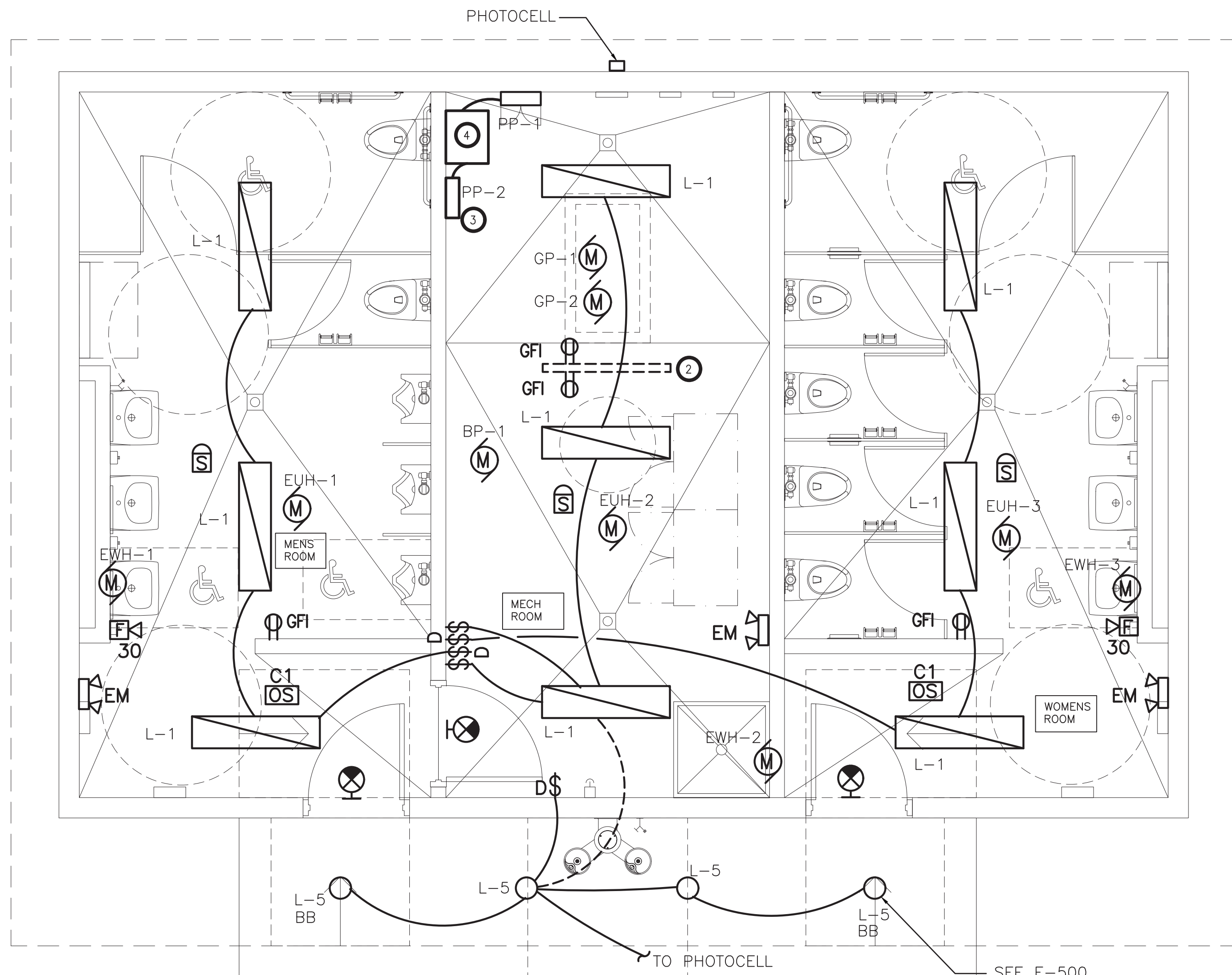
PANEL SCHEDULE												
PANEL ID: PP-2		VOLTS/PHASE/WIRE 120V/208Y/3PH/4W		PANEL SIZE 100A		MIN SCC 22 KAIC		LOCATION: MECH ROOM				
NOTES	CR. No.	CIRCUIT DESCRIPTION			BKR.	#	BKR.	CIRCUIT DESCRIPTION			CR. No.	NOTES
	1	LIGHTS			20A	A	20A	EXHAUST FAN EF-1			2	
	3	LIGHTS			20A	B	20A	EXHAUST FAN EF-2			4	
	5	RECEPTACLES (GFI)			20A	C	20A	EXHAUST FAN EF-3			6	
	7	RECEPTACLES (GFI)			20A	A					8	
	9	POLE MOUNTED LIGHTS			20A	B	20A	BOOSTER PUMP BP-1			10	
	11	SPACE				C					12	
	13					A	20A	POLE MOUNTED LIGHTS			14	
	15	DOMESTIC WATER PUMP DWP-1 (IN TANK)			20A	B	20A	HAND-DRYER (BOYS)			16	
	17					C	20A	HAND-DRYER (GIRLS)			18	
	19	SPACE				A		SPACE			20	
	21	SPARE			20A	B	20A	SPARE			22	
	23	SPARE			20A	C	20A	SPARE			24	
	25	SPARE			20A	A	20A	SPARE			26	
	27	SPARE			20A	B	20A	SPARE			28	
	29	SPARE			20A	C	20A	SPARE			30	

**NOTES:**

MAINS FROM NEW PP-1 PANEL  
1 SET OF #2 WITH #6 AND GND

**GENERAL NOTES:**

- PANELBOARD BUS RATING 100 AMPS
- 120V/208V - 3PHASE/4 WIRE
- SURFACE MOUNTED 30 POLE
- PROVIDE GROUNDING ELECTRODES AT BUILDING



**1 BATHROOM FLOOR PLAN - NEW WORK**  
SCALE: 3/8"=1'-0"

**KEYED NOTES - NEW WORK:**

- PROVIDE LIGHT FIXTURES, WIRING, CONDUITS, SWITCHING AND ALL APPURTENANCES AS SHOWN.
- PROVIDE UNISTRUT FRAME FOR MOUNTING CONTROL PANELS AND OUTLETS  
PROVIDE 4'-0" WIDE BY 4'-0" HIGH (2) 3/4"PLYWOOD PAINTED GREY BOTH SIDES.  
MOUNT 3'-0" AFF.
- PROVIDE A 100 AMP PANEL (PP-2) 120-208V 3PH 4 WIRE 60 HZ, MIN SCC 22 KAIC WITH ASSOCIATED STEPDOWN TRANSFORMER 45 KVA AND APPURTENANCES.
- PROVIDE AND INSTALL 45KVA 277/480V 3PHASE PRIMARY TO 120/208V WYE SECONDARY TRANSFORMER, EATON MODEL V48M2BT4516 OR EQUIVALENT.

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE																			
EQUIPMENT				SUPPLY															
DESIGNATION	DESCRIPTION	ROOM LOCATION	SIZE	VOLTAGE/ PHASE/HZ	PANEL/ CONTROL CENTER	CIRCUIT NUMBER	BREAKER SIZE	POWER WIRING FROM PANEL TO CONTROL UNIT		POWER WIRING FROM CONTROL UNIT TO EQUIPMENT		GROUND WIRE (SIZED PER NEC)	PACKAGED CONTROL UNIT (BY OTHERS)	VARIABLE FREQUENCY DRIVE (VFD)	CONTROL STARTER	NON-FUSED DISCONNECT SWITCH	CONTROL DEVICE INSTALL LOCATION	DUCT SMOKE DETECTOR (SUPPLY)	DUCT SMOKE DETECTOR (RETURN)
								WIRE	COND.	WIRE	COND.								
GP-1	GRINDER PUMP (OUTDOOR BATHROOM)	MECH RM	1.5	20	3.4	460V/36/60HZ	PP-1	SEE PANEL SCHED	30A	#12	1"	FACTORY WIRE	---	#12	---	FACTORY WIRE	AT UNIT		
GP-2	GRINDER PUMP (OUTDOOR BATHROOM)	MECH RM	1.5	20	3.4	460V/36/60HZ	PP-1	SEE PANEL SCHED	30A	#12	1"	FACTORY WIRE	---	#12	---	FACTORY WIRE	AT UNIT		
EF-1	EXHAUST FAN	BOYS	217	WATTS	20	4	120V/16/60HZ	PP-2	SEE PANEL SCHED	20A	#12	1"				FACTORY WIRE	AT UNIT		
EF-2	EXHAUST FAN	MECH RM	100	WATTS	20	2	120V/16/60HZ	PP-2	SEE PANEL SCHED	20A	#12	1"				FACTORY WIRE	AT UNIT		
EF-3	EXHAUST FAN	GIRLS	217	WATTS	20	4	120V/16/60HZ	PP-2	SEE PANEL SCHED	20A	#12	1"				FACTORY WIRE	AT UNIT		
EUH-1	ELECTRIC UNIT HEATER	BOYS			20	10.8	277V/16/60HZ	PP-1	SEE PANEL SCHED	20A	#12	1"				FACTORY WIRE	AT UNIT		
EUH-2	ELECTRIC UNIT HEATER	MECH RM			20	10.8	277V/16/60HZ	PP-1	SEE PANEL SCHED	20A	#12	1"				FACTORY WIRE	AT UNIT		
EUH-3	ELECTRIC UNIT HEATER	GIRLS			20	10.8	277V/16/60HZ	PP-1	SEE PANEL SCHED	20A	#12	1"				FACTORY WIRE	AT UNIT		
EWH-1	ELECTRIC WATER HEATER	BOYS			75	58	277V/16/60HZ	PP-1	SEE PANEL SCHED	75A	#4	1 1/2"				FACTORY WIRE	AT UNIT		
EWH-2	ELECTRIC WATER HEATER	MECH RM			75	58	277V/16/60HZ	PP-1	SEE PANEL SCHED	75A	#4	1 1/2"				FACTORY WIRE	AT UNIT		
EWH-3	ELECTRIC WATER HEATER	GIRLS			75	58	277V/16/60HZ	PP-1	SEE PANEL SCHED	75A	#4	1 1/2"				FACTORY WIRE	AT UNIT		
WP-1	WELL PUMP	EXTERIOR																	
BP-1	BOOSTER PUMP	MECH RM	2	20	4	208V/36/60HZ	PP-2	SEE PANEL SCHED	20A	#12	1"					FACTORY WIRE	AT UNIT		
DWP-1	DOMESTIC WATER PUMP (IN TANK)	EXTERIOR	1.5	20	8.4	230V/36/60HZ	PP-2	SEE PANEL SCHED	20A	#12	1"					FACTORY WIRE	AT UNIT		

AU - AT UNIT  
N/A - NOT APPLICABLE  
FRAC. - FRACTIONAL

- FOLLOW NEC 2020 (NFPA 70) REQUIREMENTS.
- WELL PUMP WP-1 (TBD) THE WELL DRILLER NEEDS TO PROVIDE A CERTIFIED WATER REPORT FOR PROPER SIZING OF THE WELL PUMP AND REVERSE OSMOSIS SYSTEM. PROVIDE A ALLOWANCE OF \$20,000 DOLLARS FOR BIDDING PURPOSES ONLY FINAL SIZING BY MECHANICAL ENGINEER.

AS PART OF BASE BID, ALL WORK ON THIS DRAWING SHALL BE PROVIDED IN ITS ENTIRETY BY THE ELECTRICAL CONTRACTOR.

ENGINEER:



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STAMP



**WARWICK VALLEY CENTRAL SCHOOL DISTRICT  
HIGH SCHOOL RENOVATIONS, FIELD WORK AND  
EXTERIOR BATHROOM BUILDING**  
225 WEST STREET EXT, WARWICK, NY 10990

PROJECT NO. 05-21-04

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