

PLUMBING INDEX SHEET

GENERAL NOTES

1. ALL MATERIALS AND APPARATUS SHALL BE INSTALLED IN ACCORDANCE WITH ALL THE RULES AND REGULATIONS OF THE NEW YORK STATE BUILDING CODES AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
2. BEFORE SUBMITTING PROPOSAL, BIDDERS SHALL CAREFULLY EXAMINE EXISTING FIELD CONDITIONS AND CONTRACT DRAWINGS OF ALL TRADES. SUBMISSION OF PROPOSAL WILL BE CONSTRUCTED AS EVIDENCE THAT REQUIRED EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR EXTRA LABOR, EQUIPMENT AND MATERIALS REQUIRED DUE TO EXISTING FIELD CONDITIONS, WHICH COULD HAVE BEEN FORESEEN, WILL NOT BE RECOGNIZED.
3. PROCUREMENT OF ALL PERMITS AND CERTIFICATES FOR THE INSTALLATION OF THESE SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH ALL THE RULES AND REGULATIONS OF THE NEW YORK STATE BUILDING CODES AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
4. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES AND ALL EXISTING CONDITIONS, AND PROVIDE ALL REQUIRED TO OFFSET ALL ADDITIONAL PIPING AND FITTINGS AT NO EXTRA COST. TO AVOID EXISTING / NEW STRUCTURE ARCHITECTURAL, MECHANICAL AND ELECTRICAL INTERFERENCES, WHETHER INDICATED OR NOT, BEFORE INSTALLING WORK.
5. CONNECTION TO EXISTING SERVICES SHALL BE PERFORMED DURING OFF-WORK HOURS OF ON WEEKENDS IN PREMIUM TIME. CONNECTION OF NEW WORK TO EXISTING WORK SHALL BE PERFORMED IN NEAT AND APPROVE MANNER, RESTORING EXISTING WORK DISTURBED TO ORIGINAL CONDITION.
6. ALL NEW PIPING SHALL BE RUN CLOSE TO BEAMS, WALLS AND SLABS, SQUARE TO BUILDING CONSTRUCTION, CONCEALED ABOVE HUNG CEILINGS AND WITHIN FURRED SPACES.
7. ALL EXISTING PIPING, INDICATED AND /OR NOTED TO REMOVED, SHALL BE REMOVED BACK TO EXISTING STACKS, RISERS OR MAINS AND CAPPED / PLUGGED AT TERMINAL POINT UNLESS OTHERWISE DIRECTED BY OWNER OR ENGINEER.
8. THE CONTRACTOR SHALL NOT INTERRUPT ANY OF SERVICES OF THE EXISTING BUILDING WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE OWNER AND SUCH INTERRUPTIONS SHALL BE AS BRIEF AS POSSIBLE, AND AT THE TIME AGREED TO WITH THE OWNER.
9. UNDER NO CIRCUMSTANCES WILL THIS CONTRACTOR OR HIS WORKMEN BE PERMITTED TO USE ANY PART OF THE BUILDING AS A SHOP EXCEPT AREAS DESIGNATED BY OWNER.
10. EXISTING PIPING DAMAGED AS A RESULT OF PERFORMING THE WORK OF THIS CONTRACT SHALL BE REPAIRED OR REPLACE AS REQUIRED WITH MATERIAL AND FINIS TO MATCH EXISTING.
11. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT.
12. THIS CONTRACTOR SHALL PATCH AND FIRE PROOF ALL OPENINGS IN FLOORS OR WALLS AS REQUIRED.

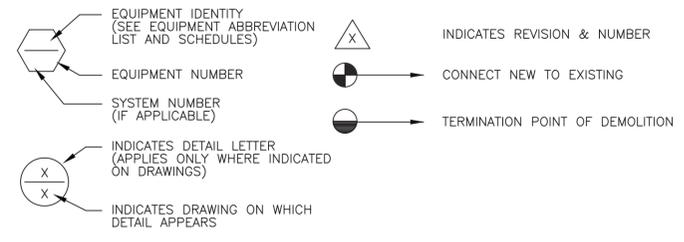
PLUMBING INSTALLATION CRITERIA:

- EACH BIDDER SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.
1. COORDINATE POSITION OF SLEEVES AND OPENINGS THROUGH FLOOR WITH THE GENERAL CONTRACTOR.
 2. ALL PIPING AND EQUIPMENT SHALL BE SUBSTANTIALLY SUPPORTED FROM THE BUILDING STRUCTURE. HANGER AND SUPPORTS SHALL BE SPECIFICALLY APPROVED FOR USE IN PLUMBING SYSTEMS.
 - A. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF HANGER RODS IN REQUIRED LOCATIONS, PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND APPROVED.
 - B. NO PLUMBING PIPING SHALL BE HUNG FROM THE PIPING OF OTHER TRADES OR DUCTWORK. HANGERS SHALL BE OF HEAVY CONSTRUCTION SUITABLE FOR THE SIZE OF PIPE TO BE SUPPORTED.
 3. ALL HORIZONTAL PIPING RUNS WILL BE AT THE HIGHEST PRACTICAL ELEVATION AND NOT LESS THAN 6" ABOVE THE FLOOR SO AS TO PROVIDE CLEARANCE.

LIST OF SYMBOLS	
— PD —	PUMP DISCHARGE
— ○ —	PIPE UP OR RISE
— ⊃ —	PIPE DN OR DROP
—] —	CAP
— —	CUT AND RECONNECT
— ⤿ —	PIPE BREAK
— □ —	GAS SAFETY SHUT OFF VALVE - MAXON
— ⊠ —	GAS SERVICE VALVE
— ∨ —	GAS COCK
— ⊕ —	VALVE ON VERTICAL - VOV
— ⊠ —	SHUT OFF VALVE
— ⊞ —	CHECK VALVE

NOTE: NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT ABBREVIATIONS INDICATED APPEAR ON THESE CONTRACT DRAWINGS

REFERENCE SYMBOLS



LIST OF ABBREVIATIONS	
AFF	ABOVE FINISH FLOOR
BLDG	BUILDING
CLG	CEILING
CONN	CONNECTION
CONT	CONTINUED
CFH	CUBIC FEET PER HOUR
DIM	DIMENSION
DN	PIPE DOWN THRU FLOOR
DROP	PIPE DROPPING BETWEEN FLOORS
DWG	DRAWING
EL	ELEVATION
EXIST	EXISTING
FL	FLOOR
GPM	GALLONS PER MINUTE
HP	HORSE POWER
INV EL	INVERT ELEVATION
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N.T.S	NOT TO SCALE
PD	PUMP DISCHARGE
PLBG	PLUMBING
RISE	PIPE RISING BETWEEN FLOORS
RM	ROOM
RPM	ROTATION PER MINUTE
SQ FT	SQUARE FEET
TYP	TYPICAL
UP	PIPE RISING THRU FLOOR
VIF	VERIFY IN FIELD
VOV	VALVE ON VERTICAL
WC	WATER COLUMN
WTS	WATER TIGHT SLEEVE

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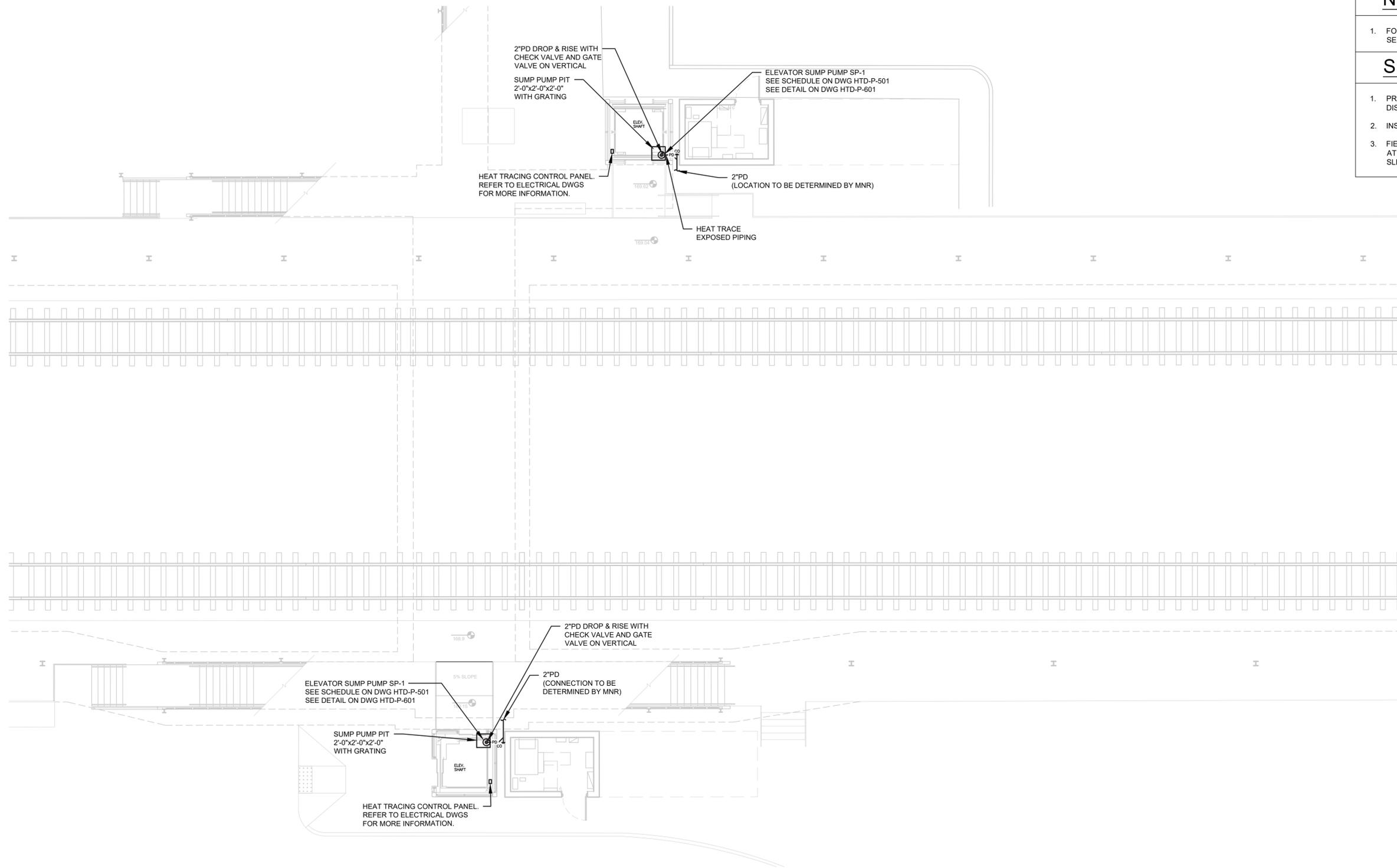
DESIGNED	AD		CONFORMED														TITLE	HARTSDALE AND SCARSDALE STATION IMPROVEMENTS		CONTRACT NO.	1000106733	
DRAWN	AD		SCALE	DATE		07/09/2021																
CHECKED	JP		DRAWING NO.	HTD-P-001		SHEET 96 OF 99																
APPROVED	JP		REVISION														SYMBOLS LEGEND ABBREVIATIONS & GENERAL NOTES				HARTSDALE STATION	

NOTES:

- FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DRAWING HTD-P-001

SUMP PUMP DISCHARGE NOTES:

- PROVIDE ELECTRICAL HEAT TRACING ON PUMP AND PUMP DISCHARGE LINES CONTAINING STANDING WATER.
- INSULATE ALL HEAT TRACED PUMP DISCHARGE LINES.
- FIELD ROUTE AND COORDINATE WITH MNR DISCHARGE DRAIN LINE AT 12" ABOVE GRADE. SPILL DISCHARGE ON GRADE AND PROVIDE SLEEVE AND SEAL AT PENETRATION.



PLUMBING PLATFORM PART PLAN



1/8"=1'-0" 0 4' 8' 16'

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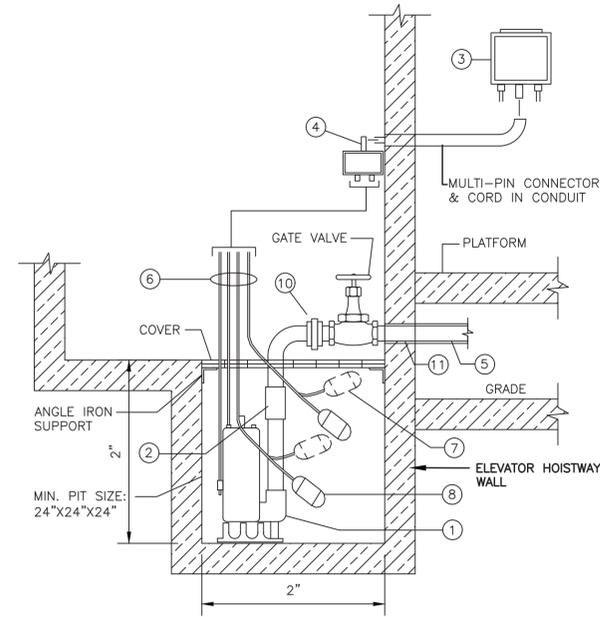
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<i>REVISION</i>				



TITLE
HARTSDALE AND SCARSDALE STATION IMPROVEMENTS
PLUMBING HARTSDALE STATION PLATFORM PART PLAN
HARTSDALE STATION

CONTRACT NO. 1000106733	
SCALE	DATE 07/09/2021
DRAWING NO. HTD-P-101	
SHEET 97 OF 99	



KEY NOTES:

1. SUBMERSIBLE SUMP PUMP 1/2 HP, 115 VOLT, 1,750 RPM, 2" DISCHARGE CONNECTION
2. CHECK VALVE
3. 115V, SINGLE PHASE (1Ø) CONTROL SYSTEM WITH BUILT-IN AUDIBLE AND VISUAL ALARM FOR WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. LIGHTS FOR OIL SPILL, POWER, HIGH LIQUID LEVEL, OVERLOAD, & PUMP RUN.
4. JUNCTION BOX SHALL BE PROVIDED WITH MULTI-PIN CONNECTOR AND CORD OF REQUIRED LENGTHS TO REACH PANEL.
5. ALL PUMP PRESSURE DISCHARGE PIPING SHALL BE PROTECTED WITH TAPECOAT CORROSION PROTECTION TAPE AND PROVIDED WITH HEAT TRACING WHEN PIPE IS BELOW FREEZING. IN ADDITION, DISCHARGE PIPING SHALL CONNECT TO THE SITE DRAINAGE SYSTEM (CONNECTION TO BE DETERMINED BY MNR).
6. OIL-MINDER CABLES: POWER CABLE, PROBE CABLE, HIGH- LIQUID ALARM CABLE AND PUMP-ON FLOAT CABLE.
7. HIGH-LIQUID ALARM FLOAT WITH CLAMP DEVICE TO MOUNT TO PUMP DISCHARGE PIPING.
8. PUMP-ON FLOAT
9. PROVIDE A MINIMUM FIVE FEET EXTRA OF EACH CABLE (SLACK) ROLLED CLAMPED TO THE DISCHARGE PIPE TO ALLOW FOR THE REMOVAL OF THE PUMP FROM THE PIT.
10. HEAT TRACING
11. PROVIDE LINK SEAL OR EQUAL AT WALL PENETRATION.

1 HYDRAULIC ELEVATOR SUMP PUMP DETAIL
601 NOT TO SCALE

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HARTSDALE AND SCARSDALE STATION IMPROVEMENTS		1000106733	
SCALE	DATE		
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