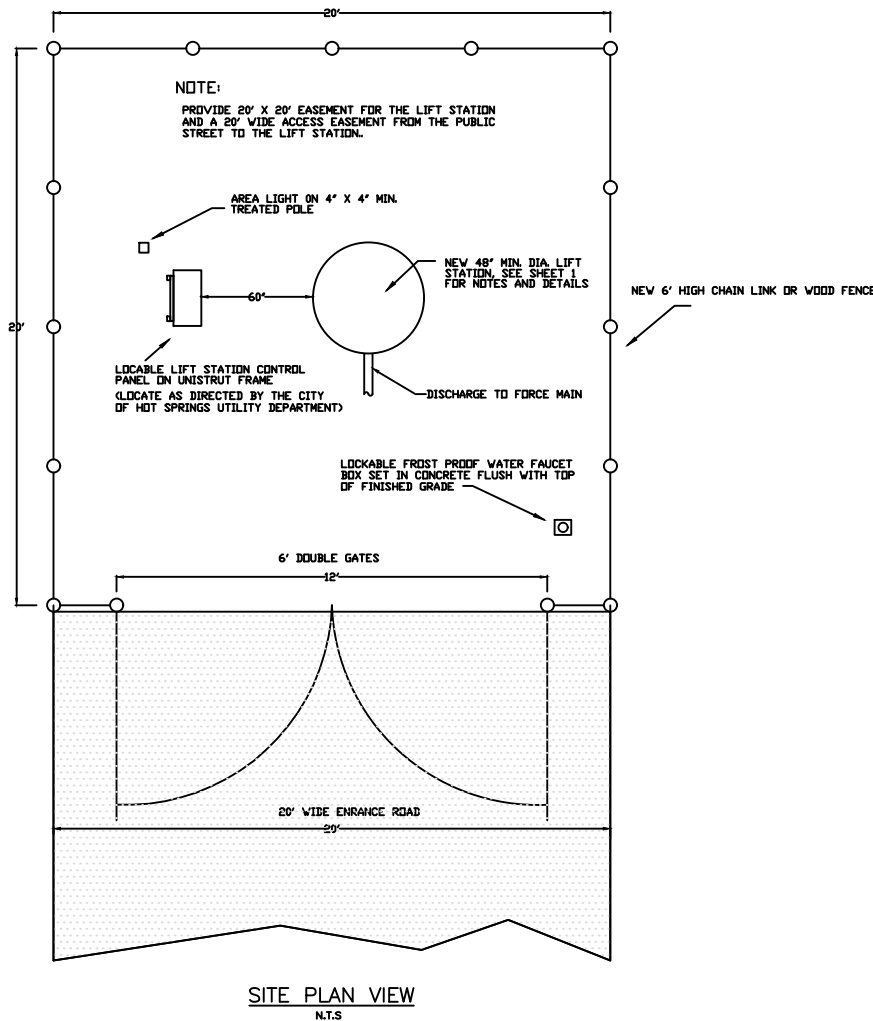


LIFT STATION INSTALLATION NOTES




- TOP OF TANK MUST BE AT LEAST 12' BELOW LOWEST FLOOR OF BUILDING WITH PLUMBING AND MUST BE 4' TO 6' ABOVE SURROUNDING FINISHED GRADE, INCLUDING SOD, TO PREVENT INFILTRATION INTO LIFT STATION.
- PLACING BAGS OF QUICKCRETE AROUND THE TANK TO KEEP IT FROM FLOATING IS ALLOWED.
- WHEN SETTING TANK, TURN DISCHARGE SO THAT NO FITTINGS ARE NEEDED TO MAKE CONNECTION AT THE STREET.
- NO 90 DEGREE FITTINGS ARE ALLOWED. 45 DEGREE FITTINGS MUST BE USED TO ACHIEVE 90 DEGREE ROUTING.
- THE SERVICE LINE INTO TANK MUST BE SDR35 OR SCHEDULE 40 THAT MEETS THE PLUMBING CODE.
- PRESSURE DISCHARGE LINES MUST BE 1-1/4" TO 2" ONLY - NO EXCEPTIONS. NO MALE ADAPTERS OR FEMALE ADAPTERS MAY BE USED - NO EXCEPTIONS. USE SCHEDULE 80 NIPPLES WITH GLUED COUPLINGS AND COMPRESSION FITTINGS (DRESSER COUPLINGS) PLASTIC OR BRASS.
- SERVICE LINES INTO TANK MUST BE CAPPED SO THE TANK WILL BE DRY UNTIL THE PUMPS ARE SET.
- DO NOT FILL THE TANK WITH WATER ABOVE THE DISCHARGE LINE INSIDE THE TANK.
- THE TANK MUST BE FREE OF DIRT, MUD, ETC. BEFORE THE PUMP WILL BE SET.
- WATER TESTS MAY BE PERFORMED ON THE SERVICE LINE AFTER IT IS PIPED INTO THE TANK.
- PRESSURE SEWER MAINS MUST BE MIN. 18" DEEP WITH TRACER WIRE 6" ABOVE (PER ADH) MAIN. DO NOT WRAP TRACER WIRE AROUND PIPE OR TANK. TRACER WIRE IS TO BE TURNED UP INTO VALVE BOX AND AT TANK, LEAVING EXTRA SLACK AT BOTH ENDS.
- PRESSURE SEWER MAINS ARE TO HAVE SCREENED FINES, 4" BELOW MAIN AND 12" ABOVE.
- SERVICE LINES ARE TO BE BEDDED WITH TOP OF PIPE SHOWING BEFORE INSPECTION. LINES MUST NOT BE COVERED BEFORE BEING INSPECTED.
- GRAVITY SERVICE LINES ARE TO HAVE 3/8" TO 1-1/2" GRAVEL, 4" BELOW AND 12" ABOVE PIPING.
- ANY PIPE THAT WILL BE UNDER SIDEWALKS, DRIVEWAYS, ETC. MUST BE IN A 2" SLEEVE OR LARGER.
- NO OTHER UTILITY MAY BE INSTALLED IN THE SAME TRENCH WITH THE SEWER MAIN.
- ALLOW 24 HOURS FOR INSPECTIONS OF INSTALLATIONS. IF THE PLUMBER IS NOT ON SITE, AN INSPECTION STICKER WILL BE LEFT STATING WHETHER THE LINE INSTALLATION PASSED OR FAILED.
- CONTROL PANEL POWER SERVICE MUST BE MINIMUM #10 WIRE WITH A NEUTRAL AND GROUND. BREAKER MUST BE 30 AMP. DISCONNECT MUST BE OUTSIDE PANEL AND VISIBLE FROM PANEL. DISCONNECT MAY BE PULL TYPE. WIRING DIAGRAM IS TO BE ON INSIDE OF PANEL DOOR. PANEL MUST BE SECURELY MOUNTED. NO HOLES ARE ALLOWED IN THE PANEL EXCEPT ON THE BOTTOM. HOLES IN PANEL MUST BE SEALED PROPERLY USING MALE ADAPTERS AND LOCK NUTS. THE CITY OF HOT SPRINGS DOES NOT WIRE THE PANEL. ALL ELECTRICAL SHALL BE PERFORMED BY A LICENSED ELECTRICIAN AND SHALL CONFORM TO THE NATIONAL ELECTRIC CODE ADOPTED BY THE CITY OF HOT SPRINGS.
- CABLE FROM PANEL TO TANK MUST BE IN CONDUIT AND PROPERLY SEALED AT BOTH ENDS.
- DO NOT ALLOW THE POWER CABLE TO BE SUBMERGED UNDER WATER. IF SUBMERGED THE CABLE MUST BE REPLACED BEFORE PUMP WILL BE SET.
- THE CONTROL CABLE IS 32FT. LONG SO PANEL MUST BE MOUNTED CLOSE ENOUGH TO ALLOW FOR SOME SLACK. THE CONTROL CABLE MAY NOT BE SPLICED. ANY EXTRA CABLE MUST BE CUT TO LENGTH AS CABLE MAY NOT BE ROLLED UP INSIDE PANEL.
- CALL THE CITY OF HOT SPRINGS LIFT STATION MANAGER WITH ANY QUESTIONS BEFORE INSTALLATION.

DATE:	1/1/2007
SCALE:	N.T.S.
CAD FILE:	SEWER SPECS
DRAWN BY:	S.Y. / JML
DESIGNED BY:	
CHECKED BY:	
SHEETS:	2 OF 2

ENGR. SEAL:	
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PROJECT TITLE:
**STANDARD DESIGN GUIDELINES
 2, 5, 7.5, & 10HP DUPLEX GRINDER PUMP STATION
 SHEET 2 OF 2**

REVISIONS		
NUMBER	DATE	DESCRIPTION
	JUNE 2016	CREATED 2 - 10 HP SPEC DWG
	DEC 2018	REVISED INSTALATION NOTES



HOT SPRINGS
ENGINEERING

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