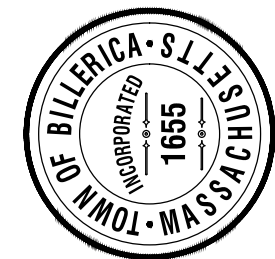
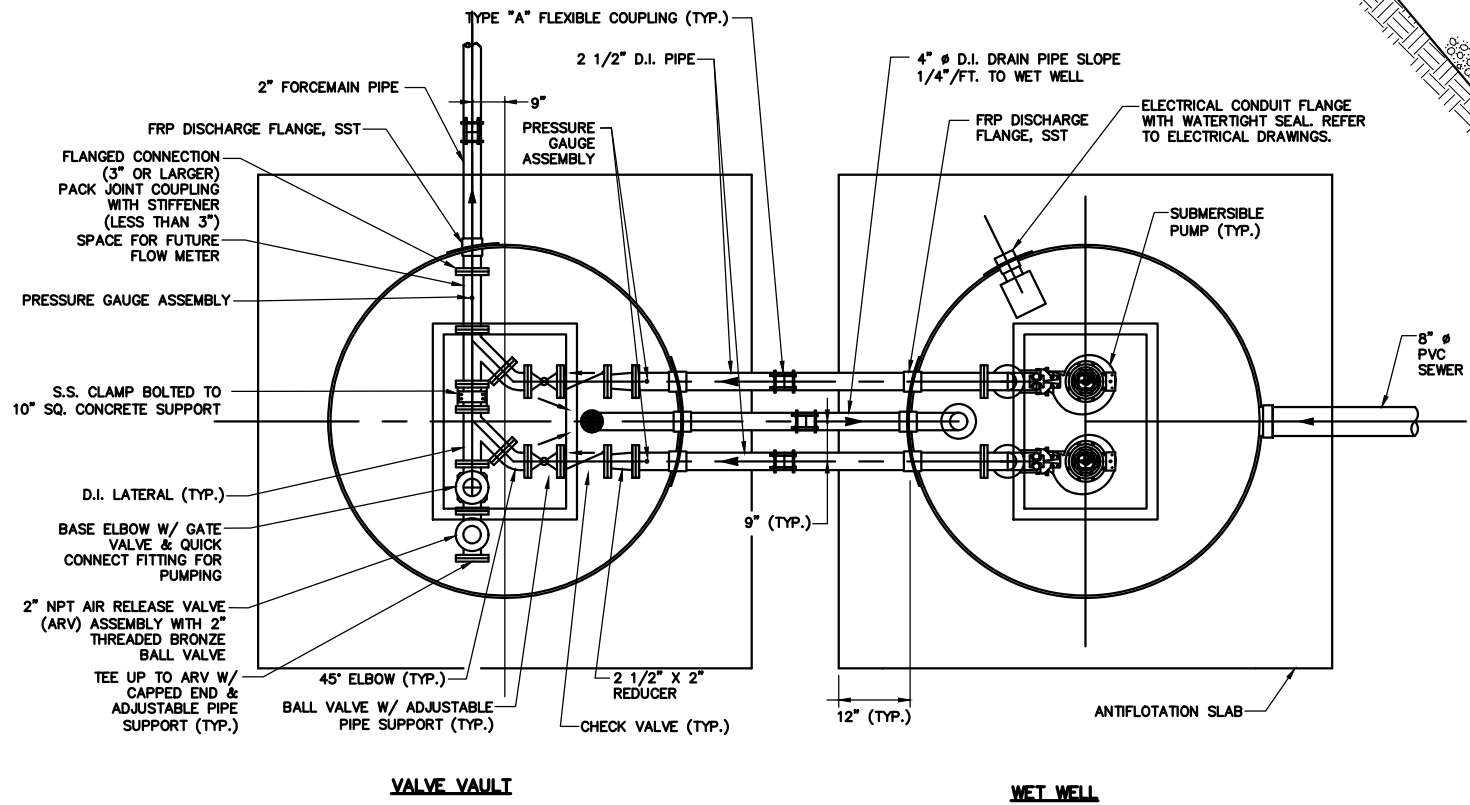
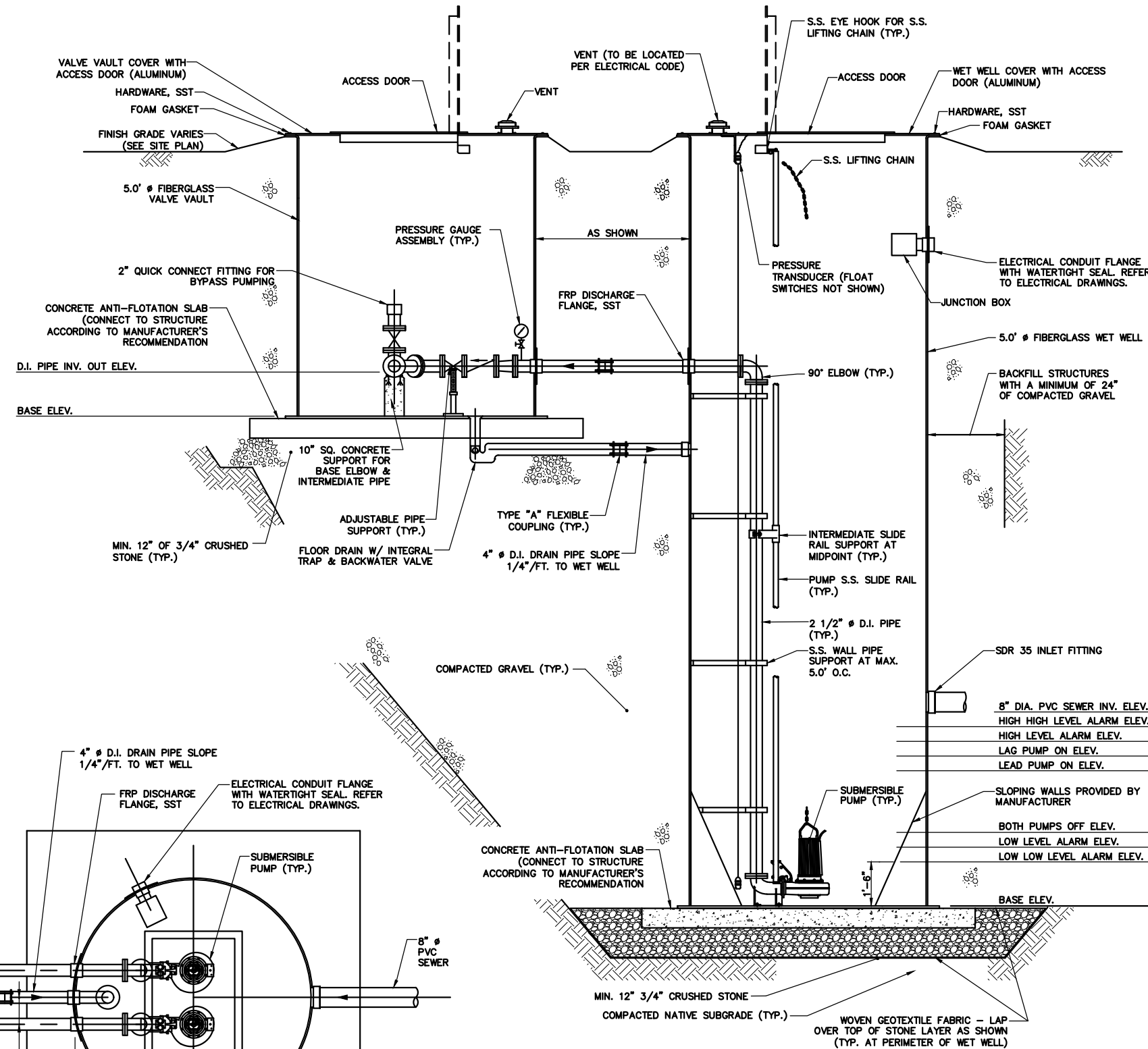


PUMP STATION PLAN & SECTION

DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION TOWN OF BILLERICA, MASSACHUSETTS



PUMP CONTROL SCHEDULE		
	ELEVATION (FEET MSL)	
	PUMP STATION #1	PUMP STATION #2
HATCH (TOP OF WET WELL)	138.50	126.00
SEWER INVERT ELEVATION	127.12	118.58
HIGH HIGH LEVEL ALARM (FLOAT)	126.75	117.75
HIGH LEVEL ALARM & LAG PUMP ON	126.50	117.50
LEAD PUMP ON	125.25	116.25
PUMPS OFF	124.00	115.00
LOW LEVEL ALARM	123.50	114.0
LOW LOW LEVEL ALARM (FLOAT)	122.50	113.50
BOTTOM OF WET WELL	121.00	112.00



NOTES:

- CONTRACTOR SHALL REVIEW BORING STUDY BY GEOLOGICAL EARTH EXPLORATION INC. TO VERIFY OBSERVED SOIL TYPES, GROUNDWATER LEVEL, AND LEDGE ELEVATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING REPORT.
- TEST PIT PERFORMED AT PUMP STATION 1 LOCATION REVEALED THE FOLLOWING DATA:
 DEPTH OF EXCAVATION=11.5'
 BOULDER ENCOUNTERED AT ELEVATION -9.0'±
 DEPTH TO GROUNDWATER=6'±
 SOIL DESCRIPTION - MATERIAL WAS A UNIFORM GRAVEL WITH FEW COBBLES
- LIMIT OF PAYMENT FOR ROCK EXCAVATION SHALL BE 24" BEYOND STRUCTURE WALL, AND 12" BELOW STRUCTURE BOTTOM.

FILE:

SCALE: NTS

CREATED BY: DCW/KCS

DATE: 06/29/2015

CHECKED BY: GA/JT