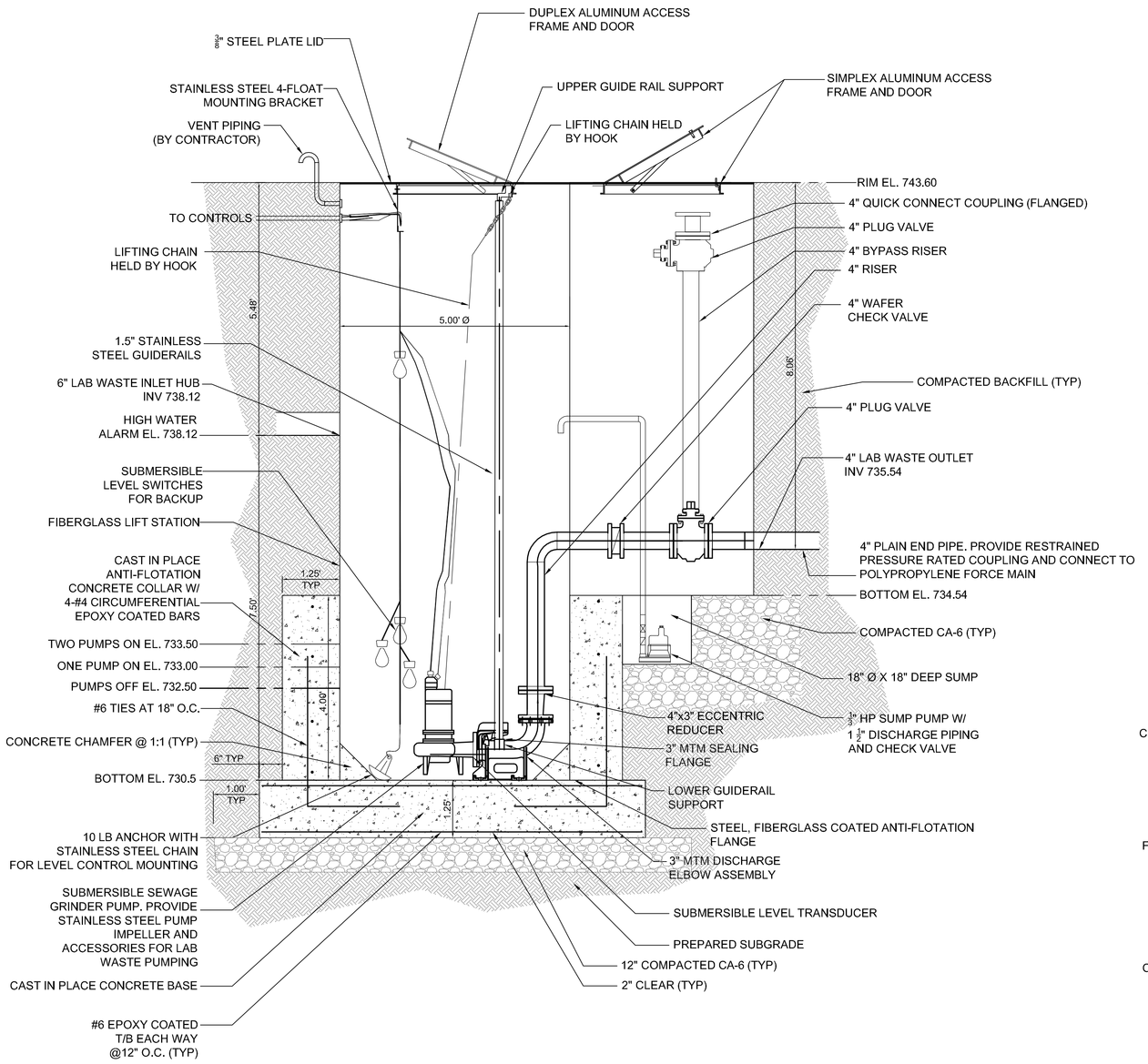
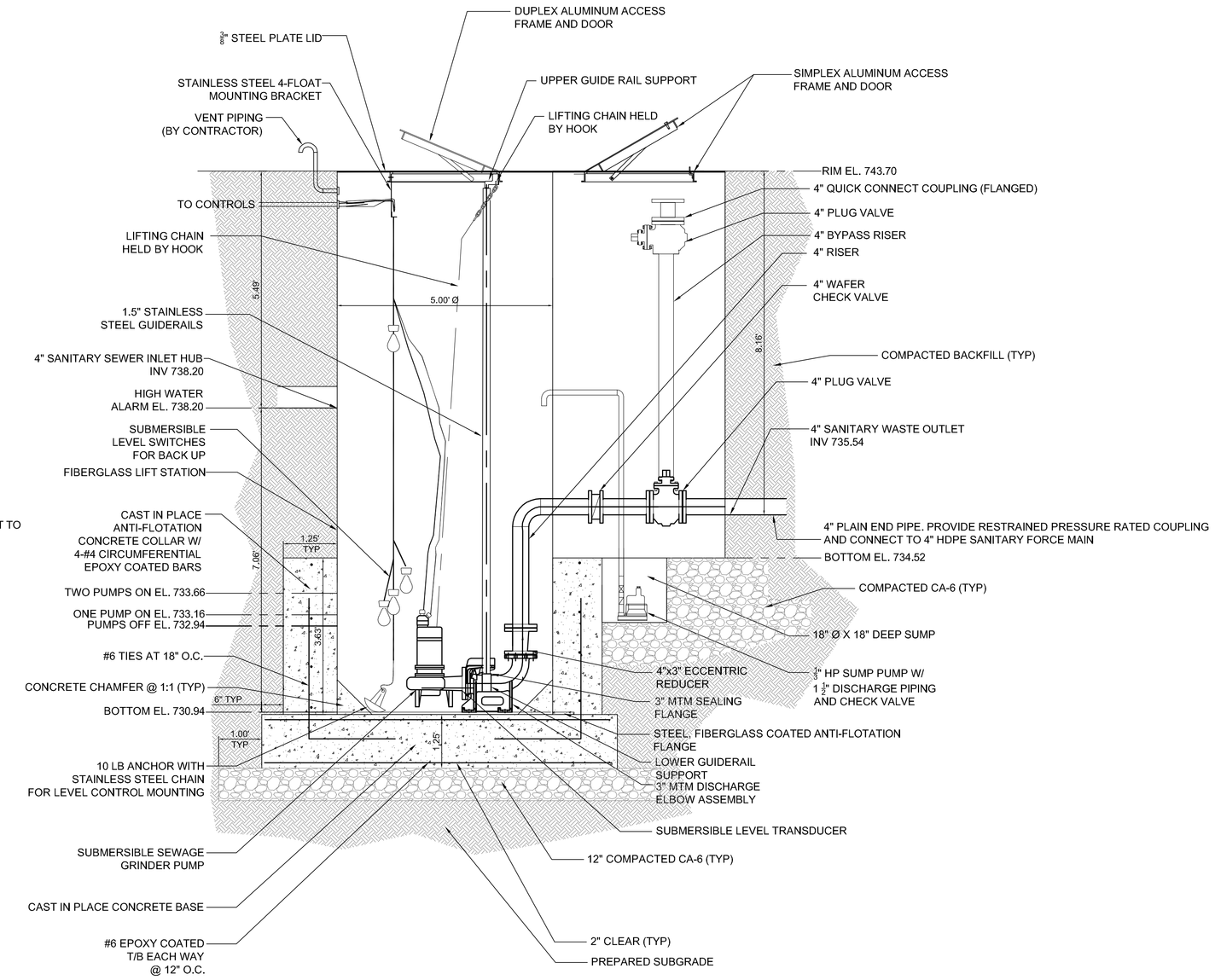
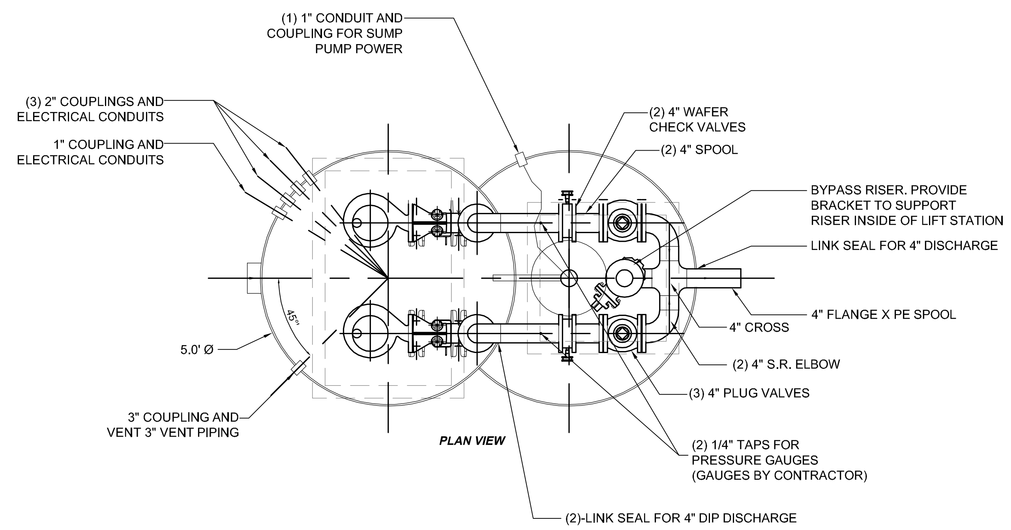
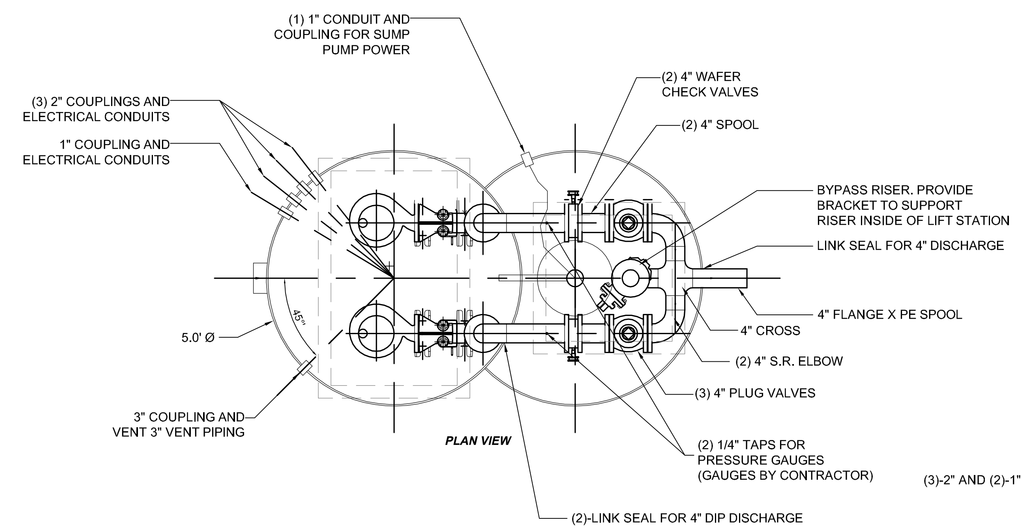
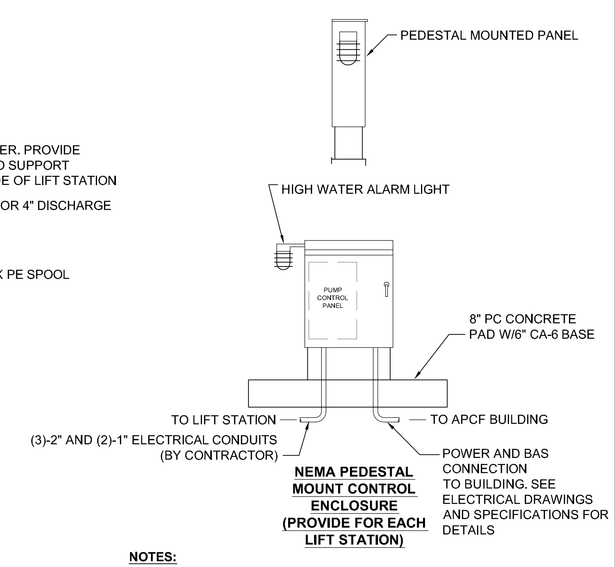
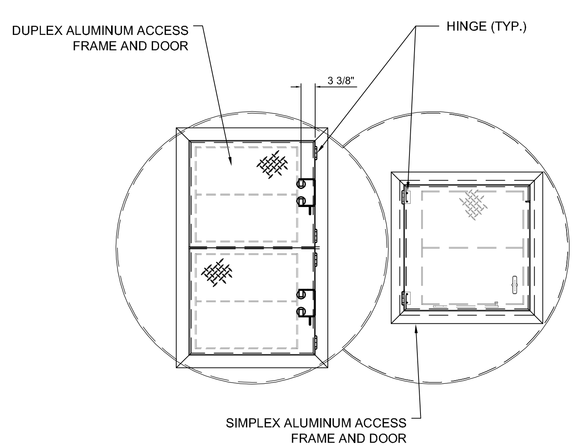




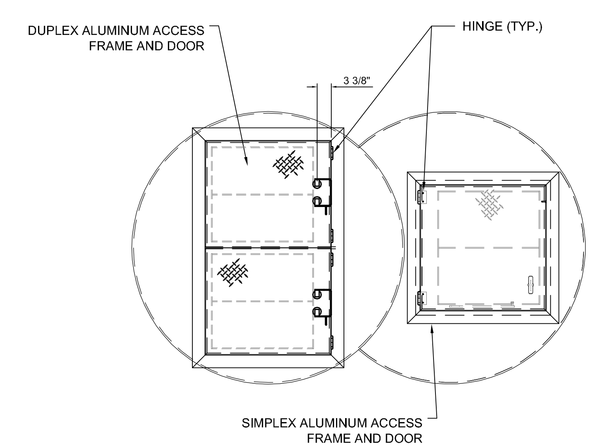








1 LIFT STATION #1 (LAB WASTE) DETAIL
SCALE: 1" = 1.5'



2 LIFT STATION #2 (SANITARY SEWER) DETAIL
SCALE: 1" = 1.5'

NOTES:

1. LIFT STATION TO BE INSTALLED BY AN EXPERIENCED & QUALIFIED CONTRACTOR.
2. CONTRACTOR TO ORDER CONTROL& POWER CORDS OF SUFFICIENT LENGTH TO REACH CONTROL PANEL FROM POINT OF ORIGIN ON PUMPS WITHOUT SPLICING.
3. CONTRACTOR IS RESPONSIBLE TO BOLT & SEAL VALVE VAULT TO WET WELL WHEN REQUIRED BY SHIPPING LIMITATIONS.
4. ALL CONCRETE WORK IS THE RESPONSIBILITY OF CONTRACTOR.
5. CONDUITS ARE AS FOLLOWS: (1) 2" FOR LEVEL CONTROLS, (1) 1" FOR SUBMERSIBLE LEVEL TRANSDUCER, (1) 1" FOR SUMP PUMP POWER, AND (1) 2" FOR EACH PUMP POWER CORD.
6. ALL PIPING AND VALVES ARE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
7. ALL COMPRESSION COUPLINGS ARE TO BE RESTRAINED.
8. A LEVEL TRANSDUCER SHALL BE THE PRIMARY PUMP CONTROLLER WITH SUBMERSIBLE LEVEL FLOAT SWITCHES AS THE BACKUP PUMP CONTROLLERS.
9. ALL CHAIN MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
10. SEE SPECIFICATION 33 32 13 FOR ADDITIONAL DETAILS.
11. HIGH WATER ALARM MONITORING SHALL BE CONNECTED TO THE BUILDING BAS SYSTEM. COORDINATE WITH THE ELECTRICAL DRAWINGS.
12. COORDINATE WITH THE ELECTRICAL DRAWINGS FOR POWER CONNECTIONS FOR PUMPS AND CONTROLLERS.
13. WATER TABLE IS APPROXIMATELY 9 FEET BELOW GRADE. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

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SEALS AND SIGNATURES

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KEYPLAN

PROJECT NORTH

A B

REV. NO.	DESCRIPTION	BY	APVD	DATE
0	ISSUED FOR CONSTRUCTION			07/03/12

Argonne NATIONAL LABORATORY

FMS
Facilities Management Services

PROJECT TITLE: ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY

PROJECT NO: 22378.000

DRAWING TITLE

LIFT STATION DETAILS

DESIGNED KM	A/E CADD FILE	FACILITY NO(S)
DRAWN AC/CM	A/E DWG. NO.	
CHECKED KS	CAD NO:	
PROJECT MANAGER ANL - JESSE ADAMS DATE - 07.03.2012	DWG STATE	
	BIND ORDER	

FACILITY DOCUMENT NUMBER: J446-101-W-C5.3.0 REV. NO.

Plot Date: