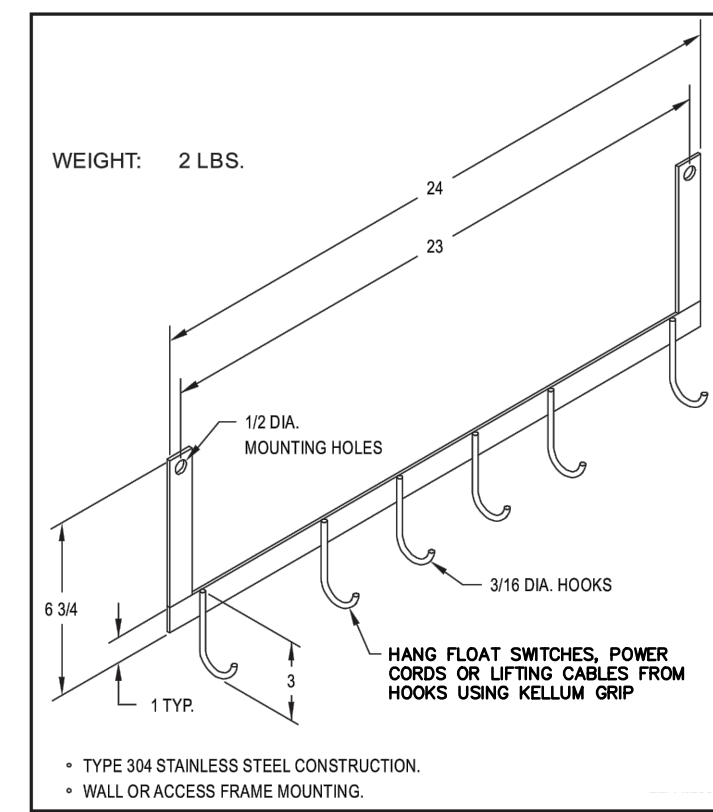
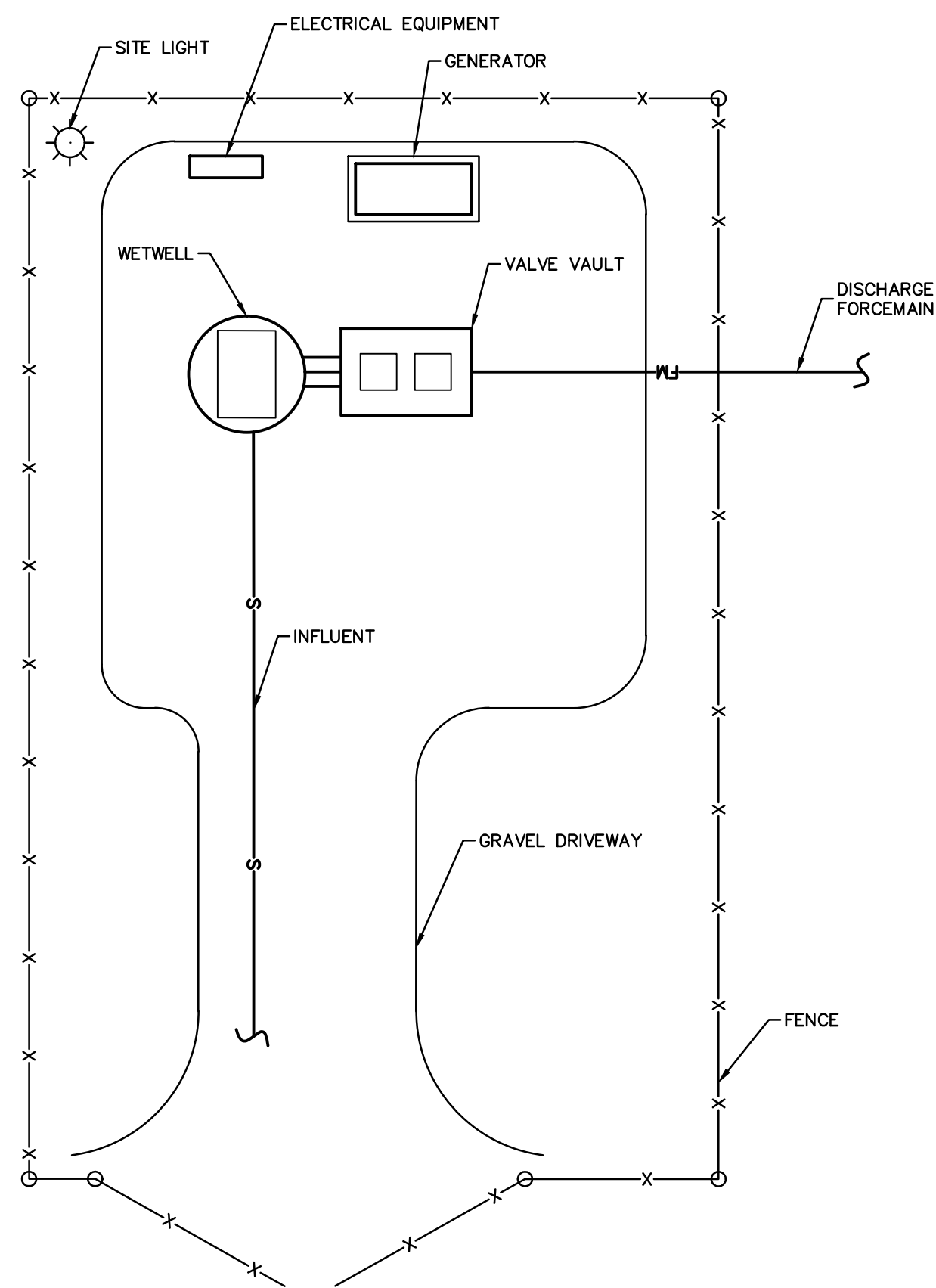


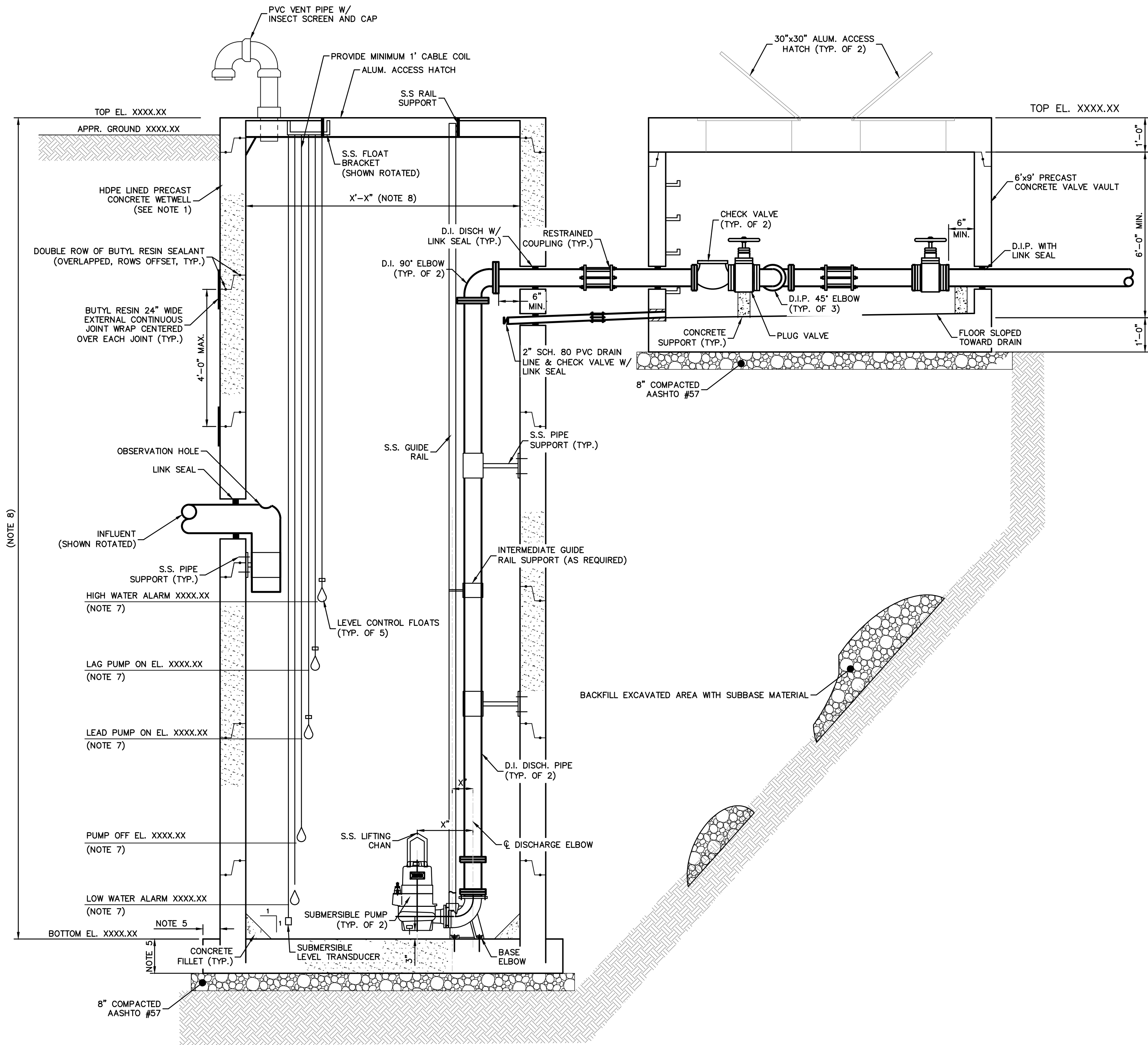
PUMP STATION - PLAN VIEW
SCALE: 1/2" = 1'



INSTRUMENT AND FLOAT SWITCH BRACKET
SCALE: N.T.S.



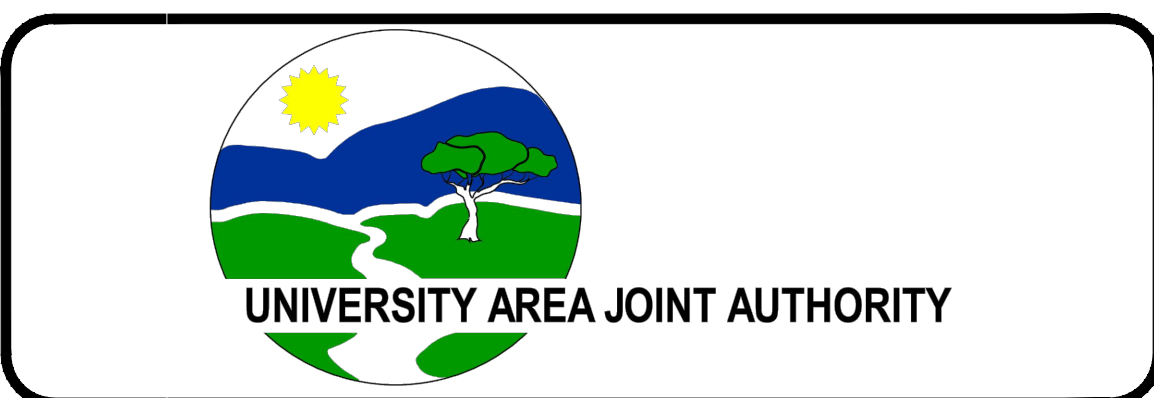
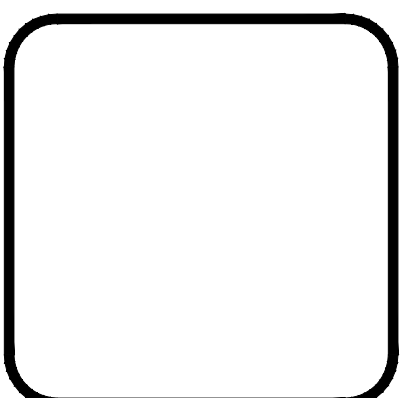
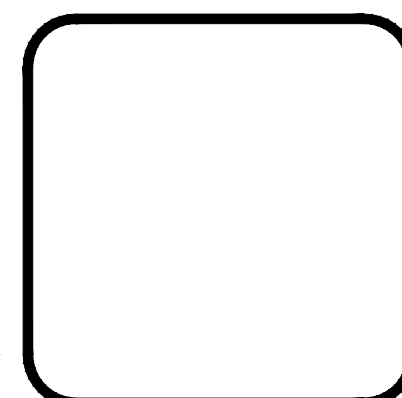
TYPICAL SITE LAYOUT
SCALE: 1" = 10'



PUMP STATION - SECTION A-A
SCALE: N.T.S.

- NOTES:**
1. HDPE LINER TO BE CAST INTO PRECAST AND FIELD WELDED BY LINER MANUFACTURER CERTIFIED REPRESENTATIVE.
 2. SELECT WETWELL COMPONENTS SHOWN ROTATED FOR CLARITY ONLY. COMPONENT LOCATIONS TO BE BASED ON SITE LAYOUT.
 3. ORIENTATION OF INFLUENT PIPE TO BE COORDINATED BASED ON FIELD CONDITIONS.
 4. PAINT ALL FERROUS PIPING.
 5. DIMENSION AS REQUIRED TO OVERCOME BUOYANCY WITH GROUNDWATER AT GROUND ELEVATION. SUBMIT BUOYANCY CALCULATIONS WITH PRE-CAST STRUCTURE SUBMITTALS.
 6. MAXIMIZE HATCH DIMENSIONS TO INTERFACE WITH WETWELL DIAMETER.
 7. FLOAT ELEVATIONS TO BE BASED ON DESIGN REQUIREMENTS. PROVIDE MINIMUM OF 1.5 FEET BETWEEN HIGH WATER ALARM AND INFLUENT INVERT.
 8. DIMENSION DICTATED BY SITE CONDITIONS AND DESIGN REQUIREMENTS.
 9. CLEARANCE AROUND PUMPS TO COMPLY WITH MANUFACTURERS RECOMMENDATIONS AND HYDRAULIC CONDITIONS.

NO.	REVISION	DATE	BY



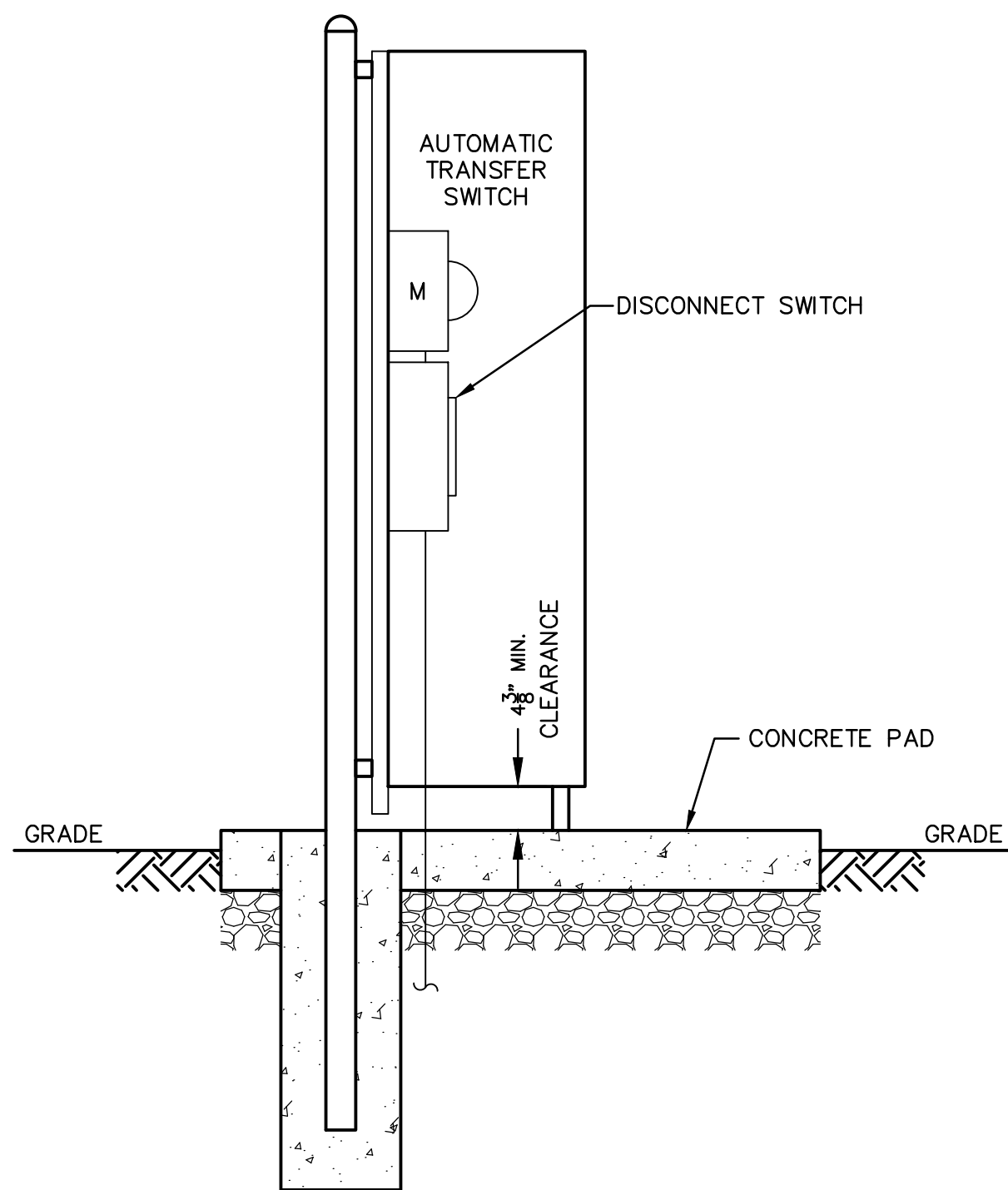
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801

TYPICAL PUMP STATION DETAIL
FOR
UNIVERSITY AREA JOINT AUTHORITY
FERGUSON TOWNSHIP CENTRE COUNTY PENNSYLVANIA

PROJ. MGR. - BRB
DESIGN - BRB
CADD - JCP
CHECKED - BRB
SCALE - AS NOTED
DATE - MAR. 2015

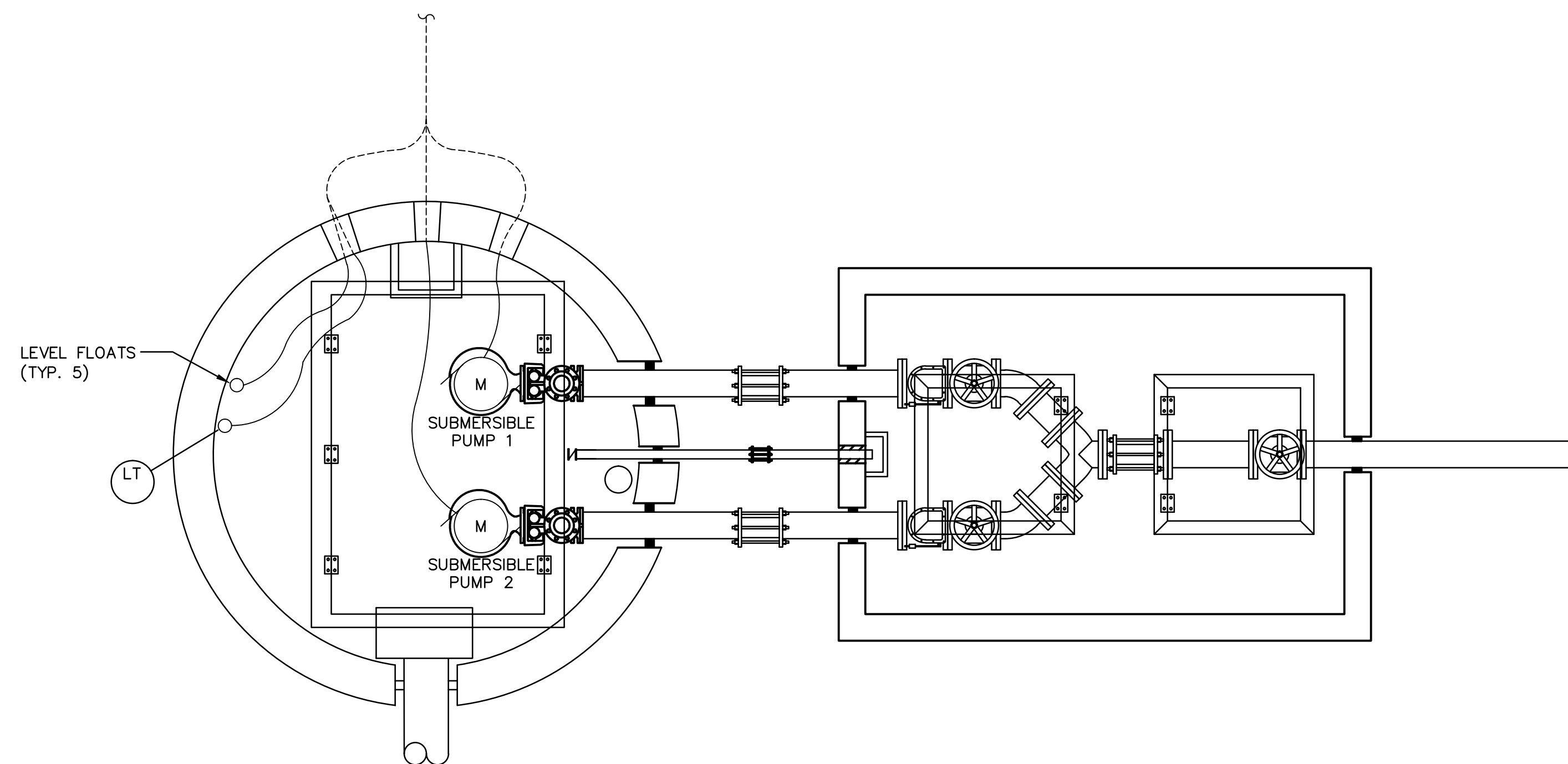
DRAWING NO.
PS-1
SHEET NO.
1 OF 3
PROJECT 001178.0562

File name: C:\Users\jcp\OneDrive\Documents\Projects\001178_0562\PS-1.dwg Date: 11/20/15 10:15:05 AM User: jcp



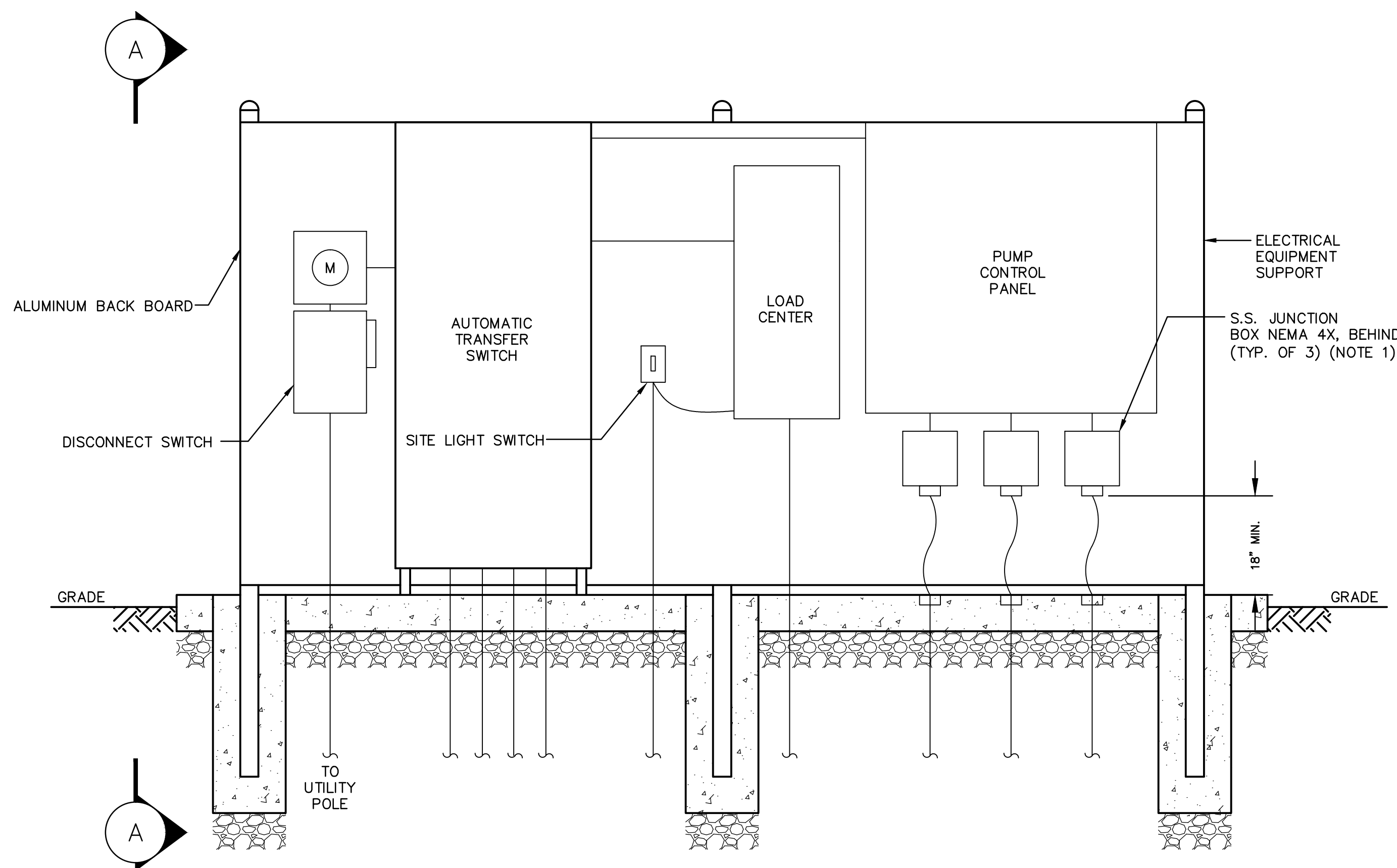
SECTION A-A

SCALE: N.T.S.



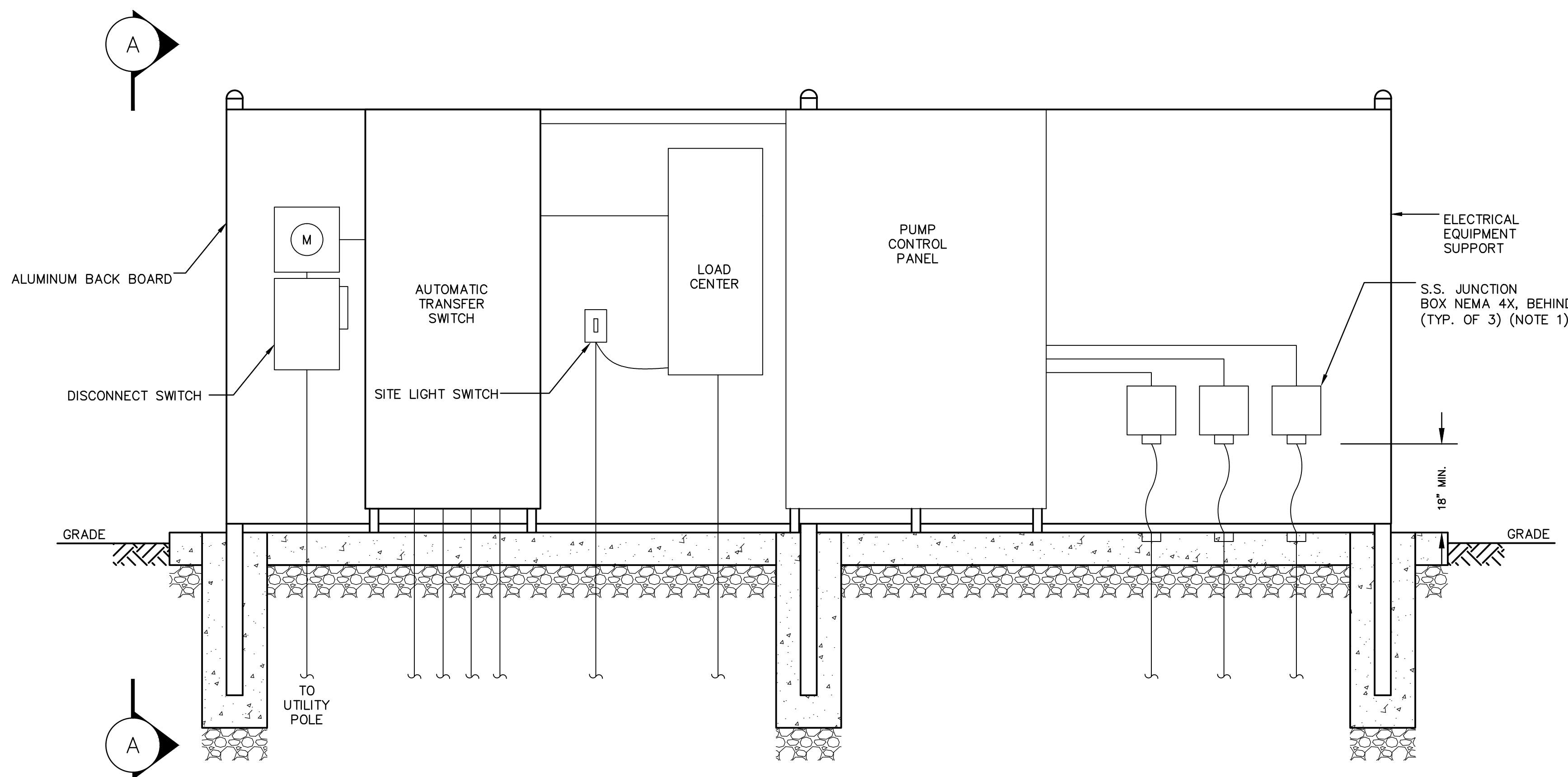
PUMP STATION - PLAN VIEW

SCALE: 1/2" = 1'



ELECTICAL EQUIPMENT SECTION (SHORT PANEL)

SCALE: N.T.S.



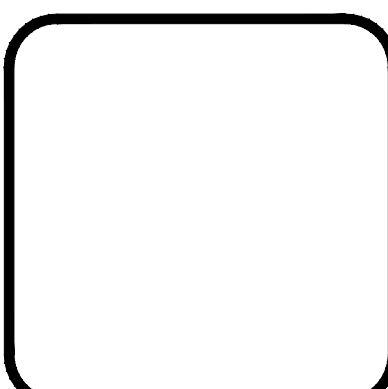
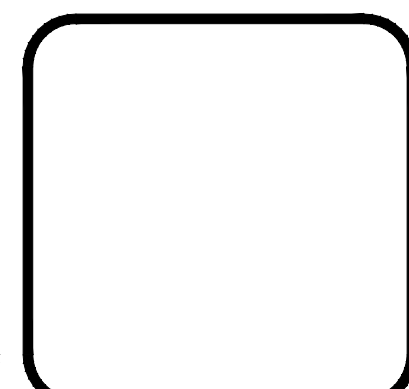
ELECTICAL EQUIPMENT SECTION (TALL PANEL)

SCALE: N.T.S.

NOTE:

1. IF JUNCTION BOXES CANNOT BE LOCATED UNDER CONTROL PANEL, LOCATE JUNCTION BOXES TO RIGHT OF PANEL. ADJUST GENERATOR LOCATION AS REQUIRED.

NO.	REVISION	DATE	BY
1	SHORT/TALL PANEL REVISED	08.04.2015	KEC



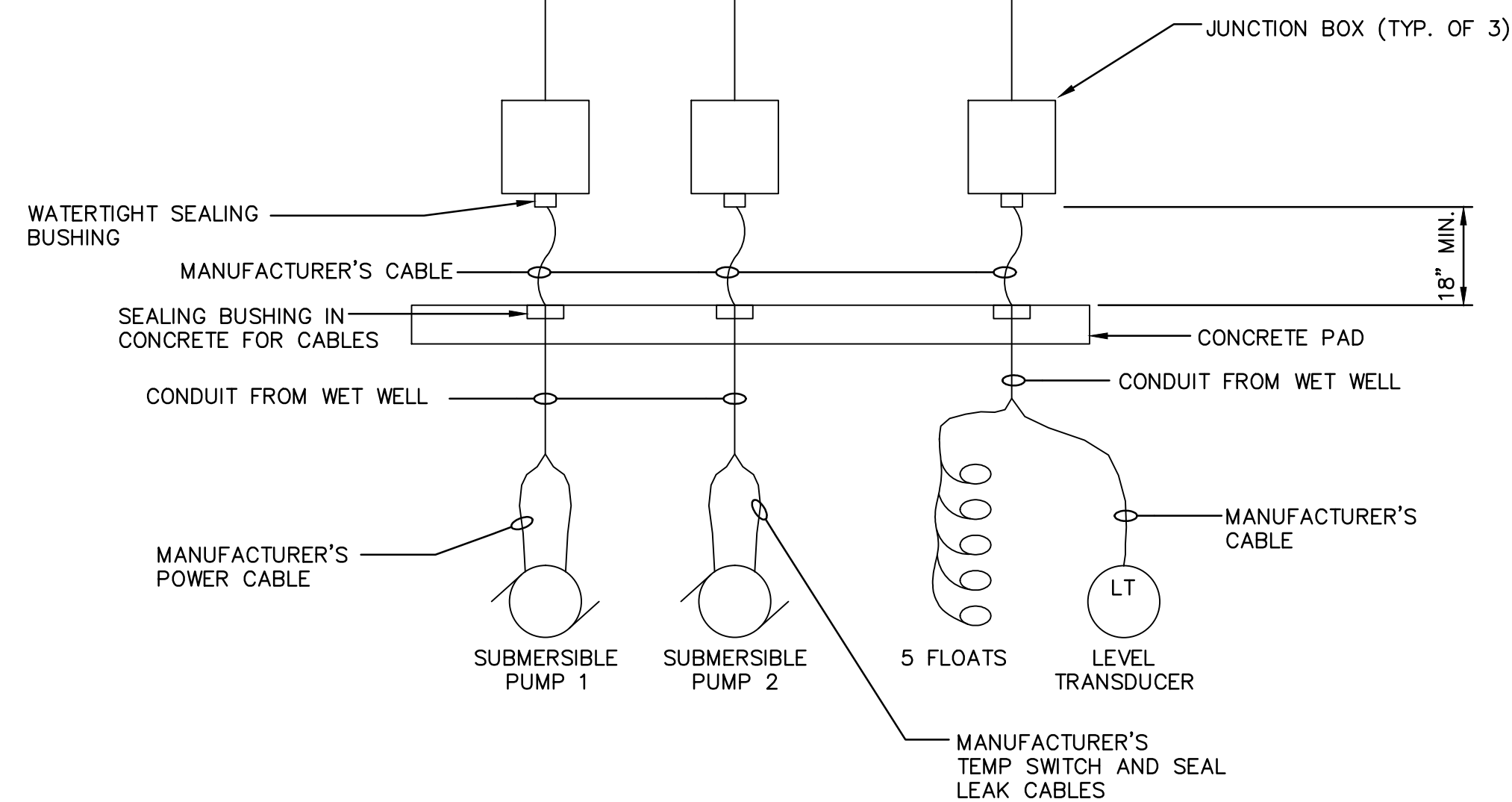
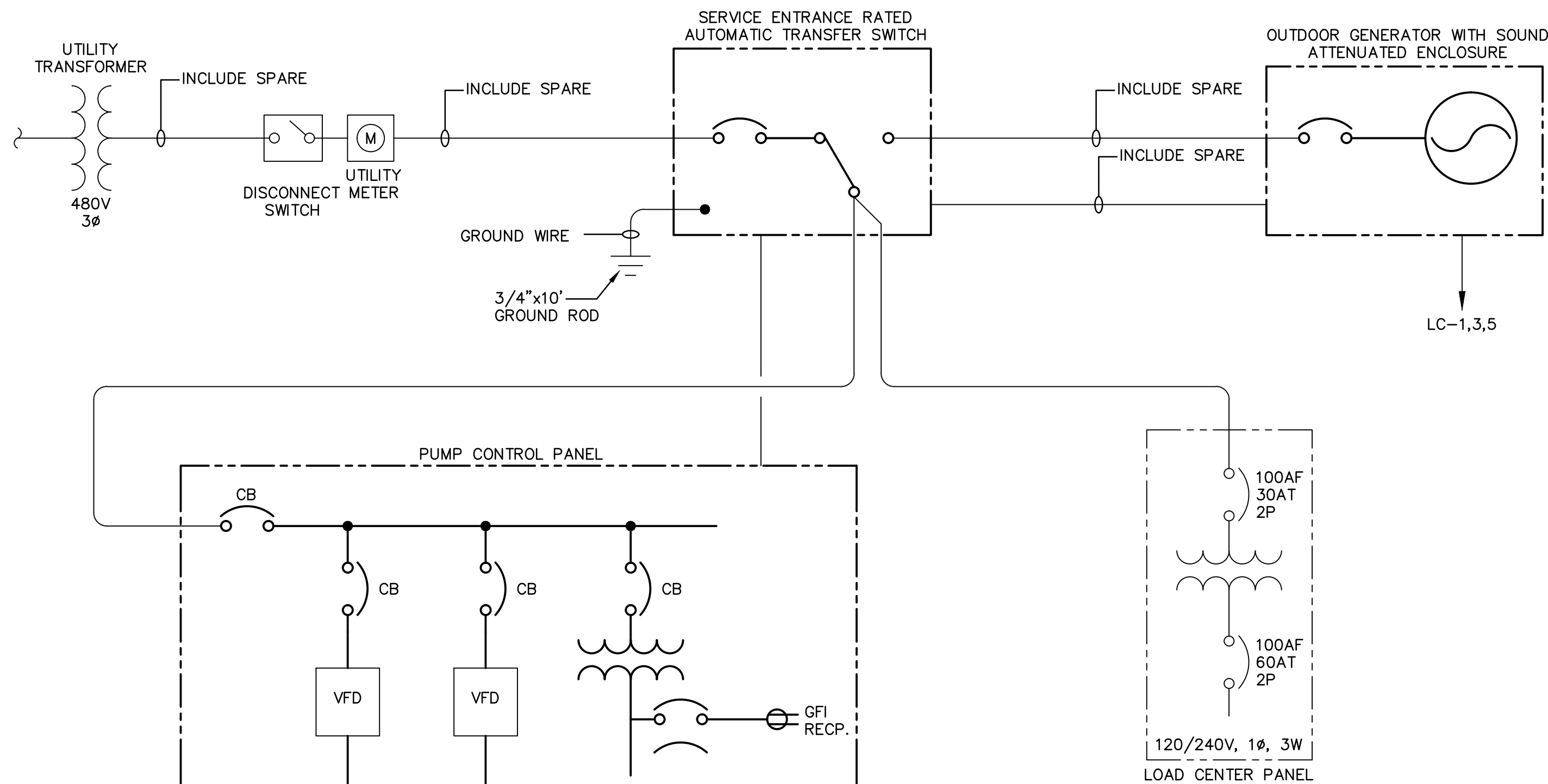
UNIVERSITY AREA JOINT AUTHORITY
 1576 SPRING VALLEY ROAD
 STATE COLLEGE, PA 16801

ELECTRICAL SITE PLAN AND PUMP STATION PLAN
 FOR
UNIVERSITY AREA JOINT AUTHORITY
 FERGUSON TOWNSHIP CENTRE COUNTY PENNSYLVANIA

PROJ. MGR. - BRB
 DESIGN - BRB
 CADD - JCP
 CHECKED - BRB
 SCALE - AS NOTED
 DATE - MAR. 2015

DRAWING NO.
E-1
 SHEET NO.
2 OF 3
 PROJECT 001178.0562

File name: E:\Work - 20 Projects\001178_0562\Plan_Sets\1101780562.dwg Layer: E-1 Aug 11, 2015 10:06am kowmcy



SINGLE LINE DIAGRAM WITH PERMANENT GENERATOR

SCALE: N.T.S.

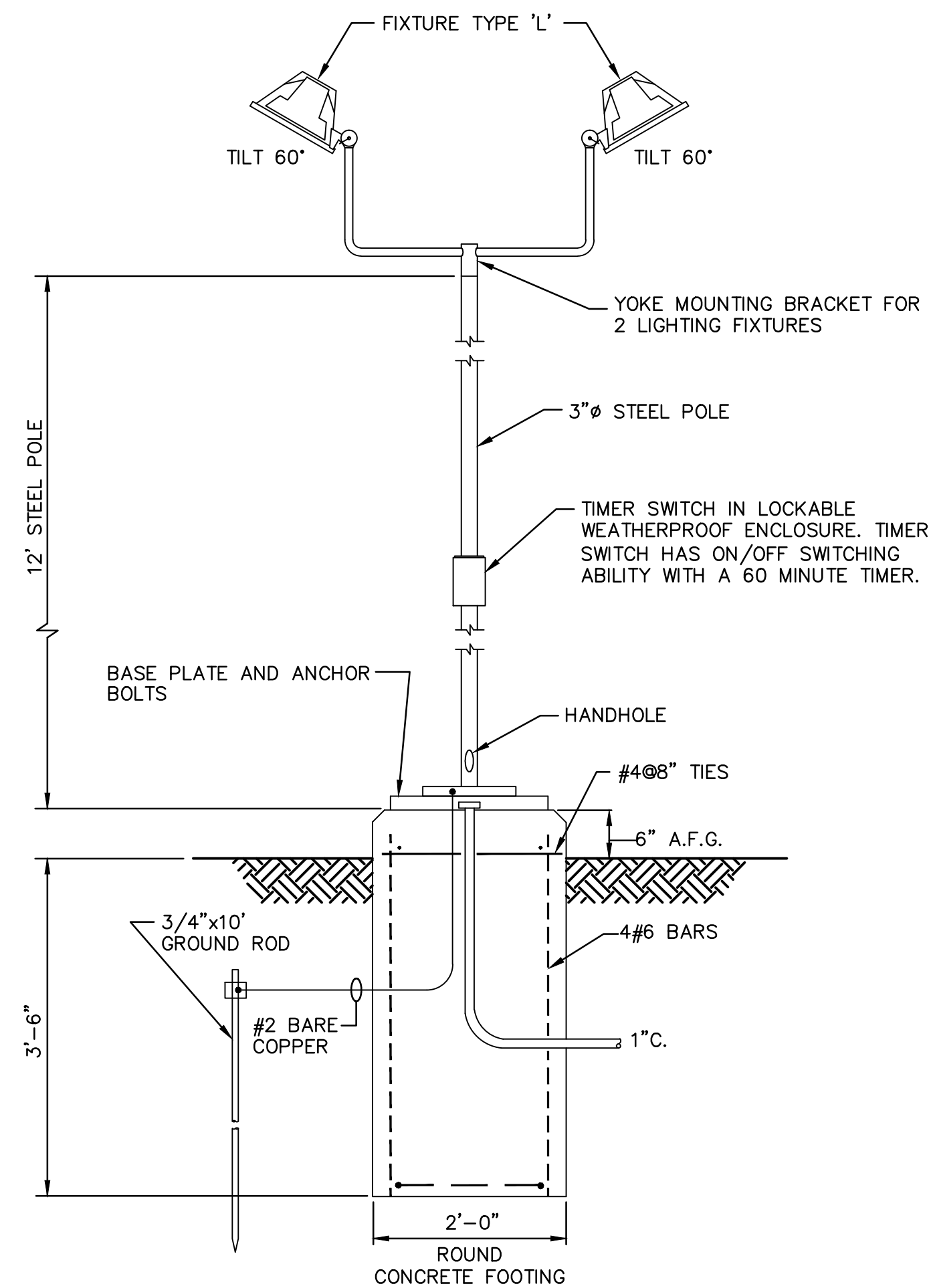
TYPE	MANUFACTURER AND CATALOG NUMBER	DESCRIPTION	VOLTS	REMARKS
L	HUBBELL MICROLITER SERIES	12' ROUND STRAIGHT STEEL POLE WITH TWO TENONS AT 180', RATED AT 34 EPA AT 90 MPH. (2) 150 WATT HIGH PRESSURE SODIUM LIGHT FIXTURES, CLEAR LAMP, PAINT POLE AND LIGHT FIXTURES BLACK. PROVIDE WEATHERPROOF TIMER SWITCH ON POLE.	120V.	CONTROLLED BY TIMER SWITCH ON POLE

LIGHTING SCHEDULE

SCALE: N.T.S.

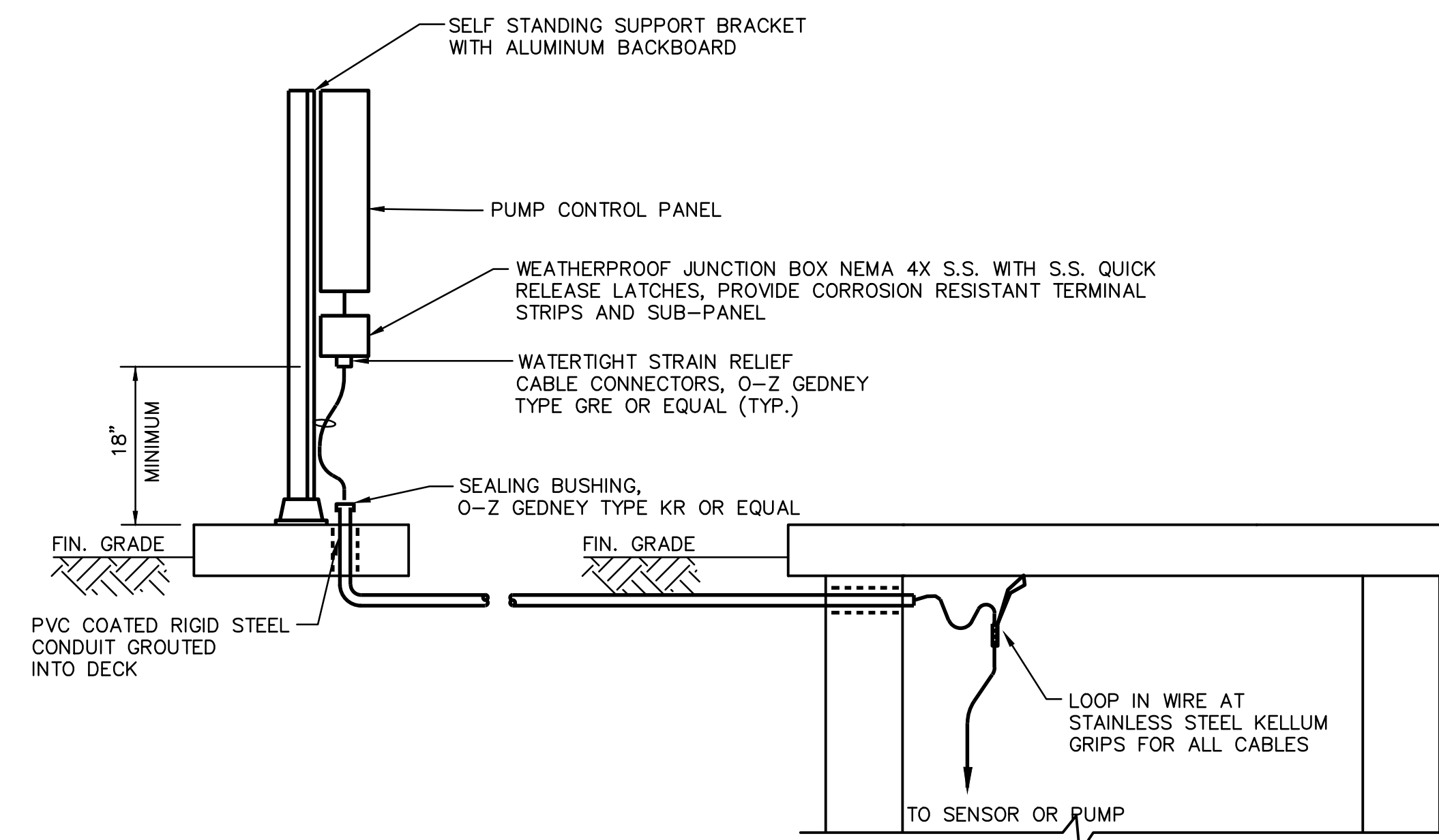
NOTE:

1. SIZE CONDUIT AS REQUIRED BASED ON CABLE DIAMETER, UTILITY REQUIREMENTS, CODE REQUIREMENTS. AND ALL OTHER APPLICABLE REQUIREMENTS.



POLE MOUNTED FLOOD LIGHT DETAIL

SCALE: N.T.S.



WET WELL TERMINATION DETAIL

SCALE: N.T.S.

LOAD CENTER PANEL		LC SCHEDULE	
120/240 V. 1 PHASE 60HZ 3 WIRE			
SERVICE	C/B	KWATTS	SERVICE
GENERATOR BLOCK HEATER	20A	1	2 . 20A SPARE
GENERATOR ACCESSORIES	20A	3	4 . 20A SITE LIGHT
SPARE	20A	5	6 . 20A SITE LIGHT RECEPTACLE
SPARE	20A	7	8 . 20A SPARE
SPARE	20A	9	10 . 20A SPARE

PANEL MTD: SURFACE	TYPE: MPZ
MANUFACTURER: SQUARE D	MAIN LUGS: _____
MAIN BREAKER: 60A	FEEDER ENTRY: _____
FEEDER SIZE: _____	ENCLOSURE: _____
BRANCH BREAKERS	GUTTERS: TOP _____ BOTTOM _____
NO. POLES AMPS.	SIDES _____

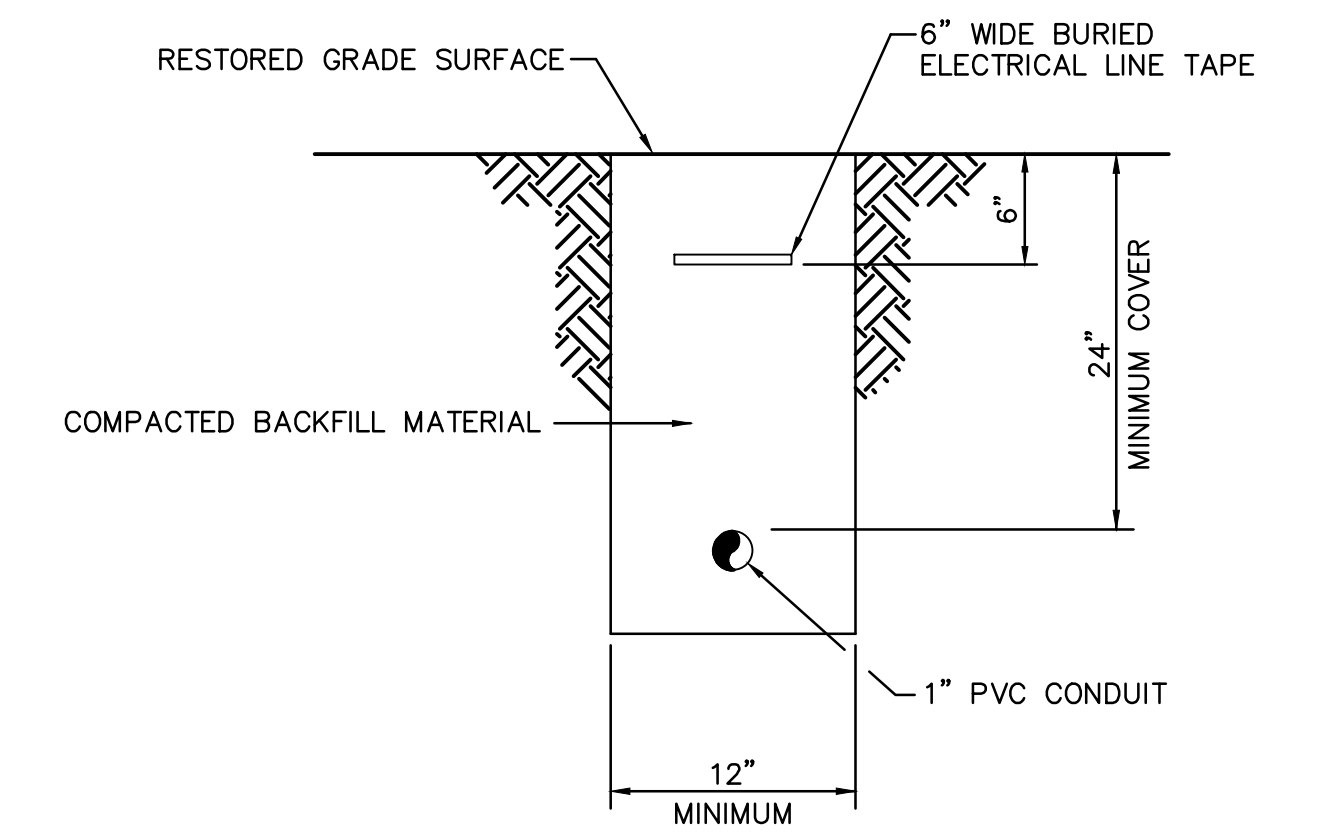
PANEL LOADING SCHEDULE	
PHASE	WATTS (KW)
A	
B	
C	
CONNECTED LOAD	
SPARE	
TOTAL LOAD	

NOTE:

1. LOAD CENTER PANEL INSTALLED WITH FACTORY 480V TO 120/240V, 1 $\frac{1}{2}$ 10KVA TRANSFORMER. CIRCUIT BREAKERS TO BE SIZED AS REQUIRED FOR SPECIFIC EQUIPMENT MEETING DESIGN REQUIREMENTS.

LOAD CENTER PANEL

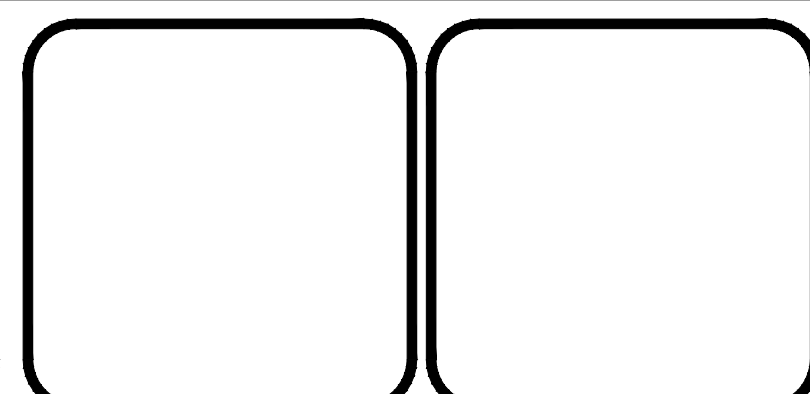
SCALE: N.T.S.



ELECTRICAL CONDUIT TRENCH DETAIL

SCALE: N.T.S.

NO.	REVISION	DATE	BY
1	VFD REVISION	08.04.2015	KEC



UNIVERSITY AREA JOINT AUTHORITY

UNIVERSITY AREA JOINT AUTHORITY
 1576 SPRING VALLEY ROAD
 STATE COLLEGE, PA 16801

SINGLE LINE DIAGRAM AND ELECTRICAL DETAILS
 FOR
UNIVERSITY AREA JOINT AUTHORITY
 FERGUSON TOWNSHIP CENTRE COUNTY PENNSYLVANIA

PROJ. MGR. - BRB
 DESIGN - BRB
 CADD - JCP
 CHECKED - BRB
 SCALE - AS NOTED
 DATE - MAR. 2015

DRAWING NO.
E-2
 SHEET NO.
3 OF 3
 PROJECT 001178.0562