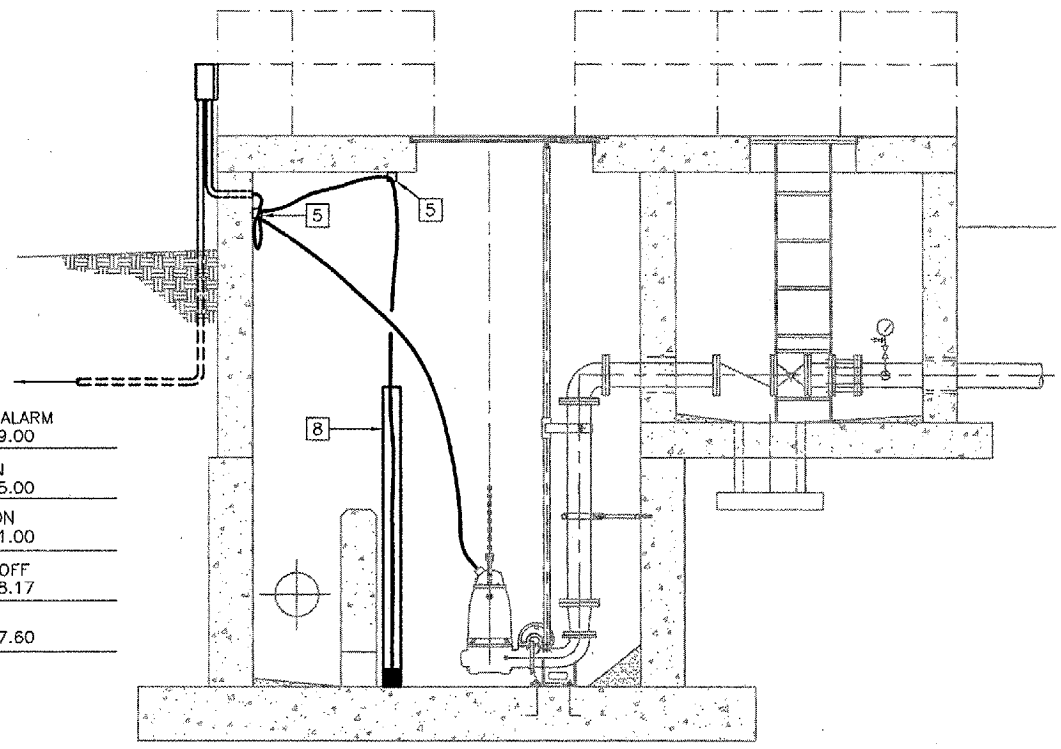


- H.W.L. ALARM  
EL. 699.00
- LAG ON  
EL. 695.00
- LEAD ON  
EL. 691.00
- PUMP OFF  
EL. 688.17
- L.W.L.  
EL. 687.60



REVISIONS		
NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2"  
 AT FULL SCALE (34x22).

ALL ELECTRICAL WORK RELATED TO SANITARY LIFT STATION AND ALL CABLE/CONDUITS BETWEEN SANITARY LIFT STATION AND CHEMICAL/ELECTRICAL BUILDING SHALL BE PAID UNDER LUMP SUM PAY ITEM FOR CHEMICAL/ELECTRICAL BUILDING MODIFICATIONS, PAY ITEM AR800132

**NOMENCLATURE**

- 1 60 AMP, 3-POLE, NON-FUSED SAFETY-SWITCH IN NEMA 4X ENCLOSURE. SECURELY INSTALL WITH TOP OF SWITCH 5'-0" ABOVE FINISH GRADE ON UNISTRUT SUPPORT.
- 2 12"x12"x8" JUNCTION BOX, STAINLESS STEEL, NEMA 4X. SECURE INSTALL ON PUMP STATION WALL WITH TOP OF ENCLOSURE 5'-0" ABOVE FINISH GRADE ON UNISTRUT SUPPORT.
- 3 2" C CONTAINING 10 CONDUCTORS FOR MULTITRODE PROBE; COORDINATE CONDUIT SIZE WITH INSTRUMENT MANUFACTURER; INCREASE CONDUIT SIZE AS REQUIRED, DO NOT DECREASE CONDUIT SIZE BELOW THAT SHOWN. CAUTION: INTRINSICALLY-SAFE WIRING, DO NOT COMBINE WITH ANY POWER CONDUCTORS, KEEP PHYSICALLY ISOLATED FROM PUMP CABLES WITHIN WET WELL. ALL WET-WELL WALL PENETRATIONS SHALL BE ABOVE ELEVATION 517.11.
- 4 2" C CONTAINING SUBMERSIBLE PUMP CABLES, ONE CONDUIT PER PUMP; CONDUIT SIZES SHOWN ARE BASED ON PUMP CABLES OF 1.5" DIAMETER MAXIMUM. COORDINATE CABLE AND CONDUIT SIZE WITH PUMP MANUFACTURER AND INCREASE AS REQUIRED. DO NOT EXCEED 53% CONDUIT FILL. DO NOT DECREASE CONDUIT SIZE BELOW THAT SHOWN. PROVIDE CONDUIT SEAL ON CONDUIT RUN BETWEEN SAFETY-SWITCH AND WET-WELL WALL. ALL WET-WELL WALL PENETRATIONS SHALL BE ABOVE ELEVATION 517.11.
- 5 NON-METALLIC OR STAINLESS STEEL CABLE SUPPORT HANGAR. FURNISH SEPARATE HANGARS FOR MULTITRODE PROBE CABLES AND PUMP CABLES.
- 6 1-1/2" CONDUIT CONTAINING 3 #4 XLP-USE, 1 #8 GND. TO PUMP CONTROLLER IN CHEMICAL BUILDING.
- 7 1-1/2" CONDUIT CONTAINING 10 CONDUCTORS FOR MULTITRODE PROBE TO PUMP CONTROLLER IN CHEMICAL BUILDING.
- 8 10 LEVEL PROBE. COORDINATE ELEVATIONS WITH ENGINEER.

**HAZARDOUS CLASSIFICATION NOTE:**  
 THE INTERIOR OF THE PUMP STATION WET-WELL IS A CLASS 1, DIVISION 1, GROUP D AREA. ALL ELECTRICAL EQUIPMENT AND ELECTRICAL WIRING METHODS SHALL COMPLY WITH APPLICABLE SECTIONS OF ARTICLES 500 & 501 OF THE NATIONAL ELECTRICAL CODE. FOR CONDUIT PENETRATIONS INTO WET WELL, SEE "WET WELL, JUNCTION BOX DETAIL" ON "ELECTRICAL STANDARD DETAILS AND NOTES-2".

**CHICAGO ROCKFORD INTERNATIONAL AIRPORT  
 ROCKFORD, ILLINOIS**

**SANITARY LIFT STATION ELECTRICAL**

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Chicago  
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 Airport

DESIGN BY:	AB
DRAWN BY:	JRO
CHECKED BY:	AB
APPROVED BY:	
DATE:	02/29/08
JOB No:	07258-06
ILLINOIS PROJECT:	RFD-3787
A.I.P. PROJECT:	3-17-0088-XX
<b>FINAL SUBMITTAL</b>	
SHEET 77 OF 83 SHEETS	