
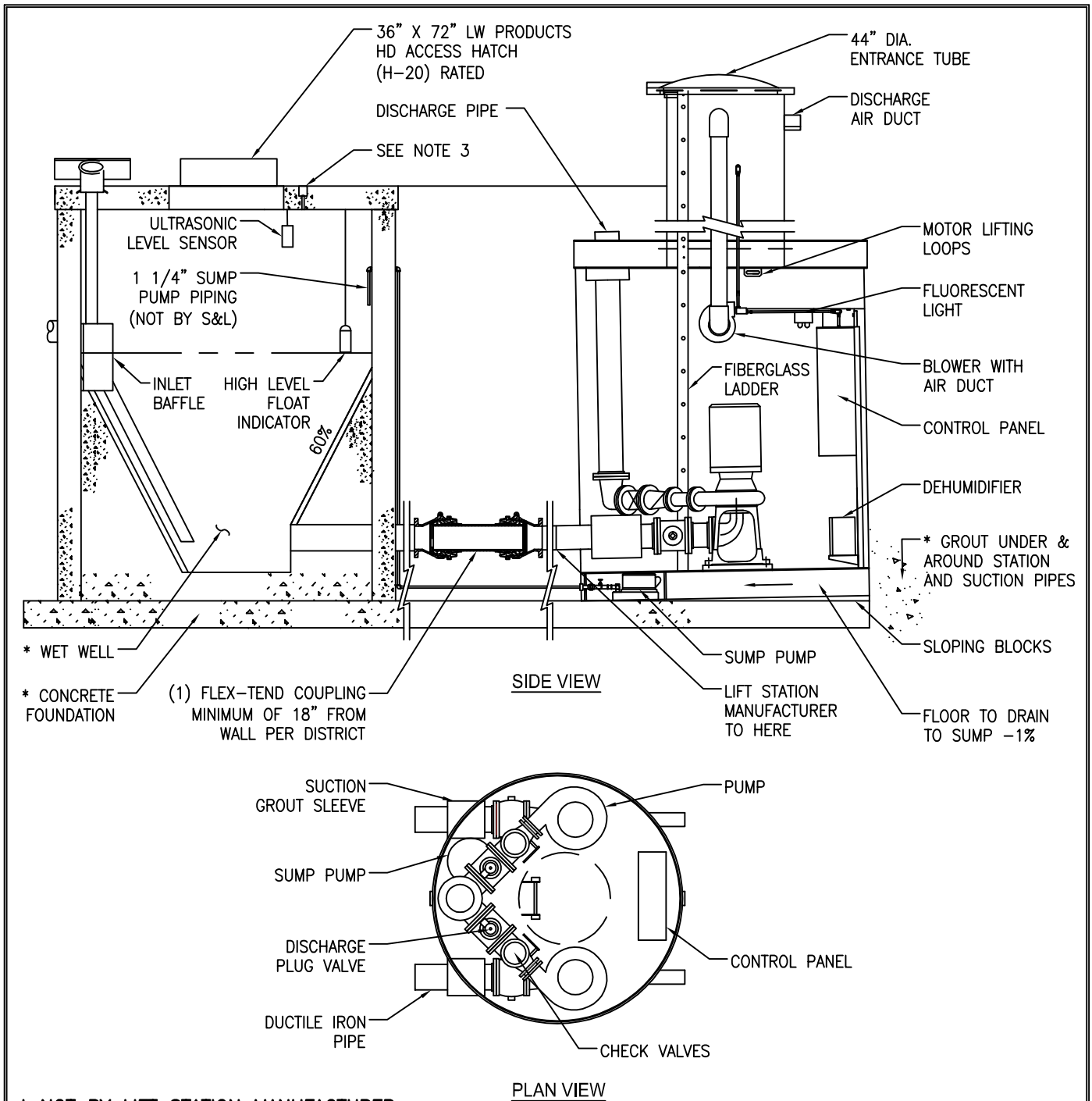


- NOTES:**
1. GENERAL INFORMATION ONLY. REFER TO DISTRICT STANDARDS FOR MORE DETAILED INFORMATION.
  2. THIS IS A TYPICAL TYPE 1 LIFT STATION SITE LAYOUT. DESIGN ENGINEER NEEDS TO PROVIDE LAYOUT AND SIZING BASED UPON LIFT STATION MANUFACTURER'S ENGINEERING DATA AND ENGINEERING DESIGN REPORT APPROVED BY DISTRICT.
  3. FLUSH FLOOR MOUNT FOR PORTABLE DAVIT HOIST WITH WEEP HOLE. LOCATION TO BE IDENTIFIED BY DISTRICT.


 <b>ALDERWOOD</b> WATER & WASTEWATER DISTRICT	
<b>TYPE 1 LIFT STATION (PLAN)</b>	
DATE: 11-2015	DWG. LS-1
APPROVED BY: _____ DLH _____ DISTRICT ENGINEER	

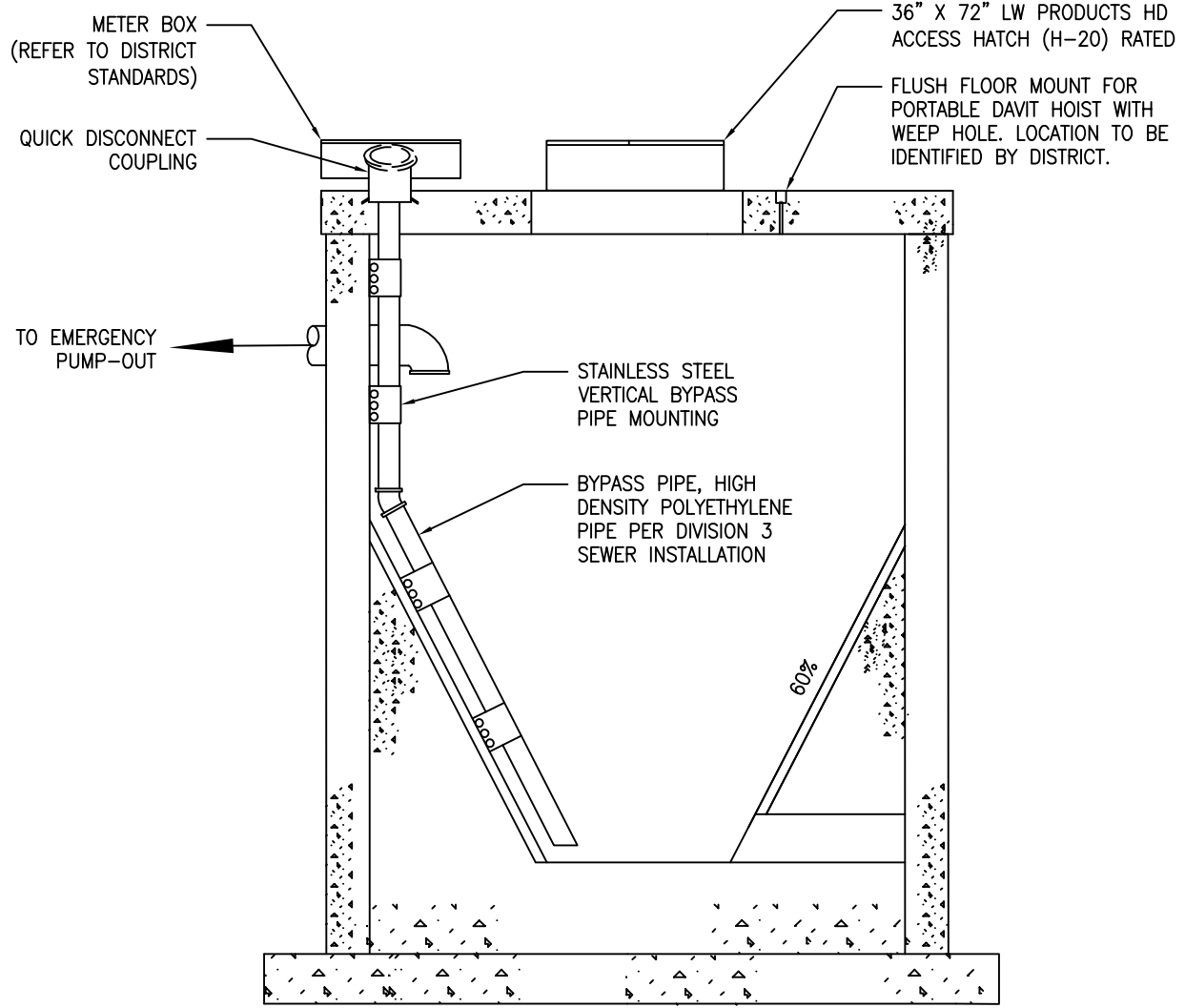


\* NOT BY LIFT STATION MANUFACTURER

NOTES:


1. GENERAL INFORMATION ONLY. REFER TO DISTRICT STANDARDS FOR MORE DETAILED INFORMATION.
2. THIS IS A TYPICAL TYPE 1 LIFT STATION SITE LAYOUT. DESIGN ENGINEER NEEDS TO PROVIDE LAYOUT AND SIZING BASED UPON LIFT STATION MANUFACTURER'S ENGINEERING DATA AND ENGINEERING DESIGN REPORT APPROVED BY DISTRICT.
3. FLUSH FLOOR MOUNT FOR PORTABLE DAVIT HOIST WITH WEEP HOLE. LOCATION TO BE IDENTIFIED BY DISTRICT.

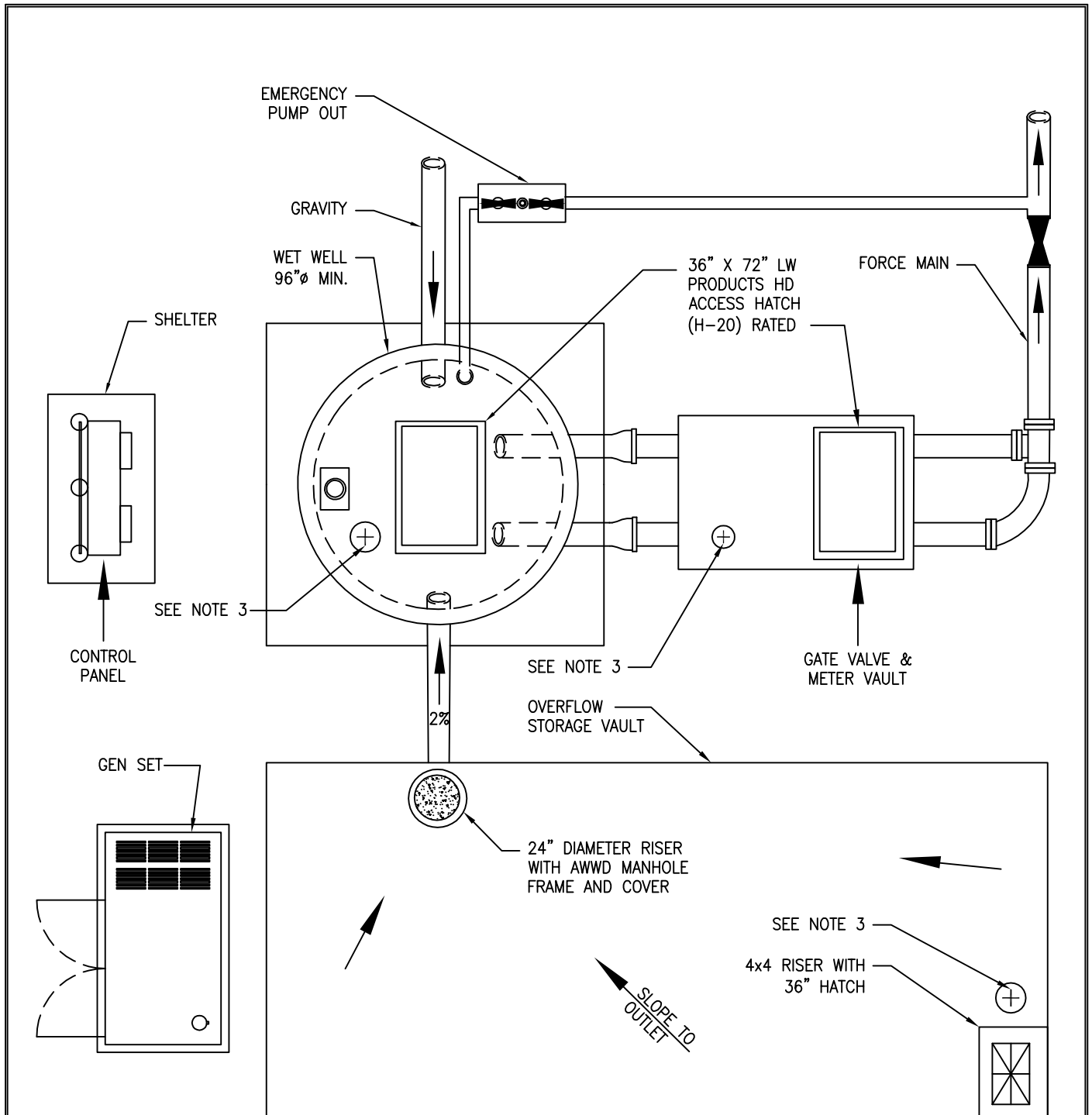
 <b>ALDERWOOD</b> WATER & WASTEWATER DISTRICT	
<b>TYPE 1 LIFT STATION (PROFILE)</b>	
DATE: 11-2015	DWG. LS-2
APPROVED BY: _____ DLH _____	
DISTRICT ENGINEER	



**NOTES:**


1. GENERAL INFORMATION ONLY. REFER TO DISTRICT STANDARDS FOR MORE DETAILED INFORMATION.

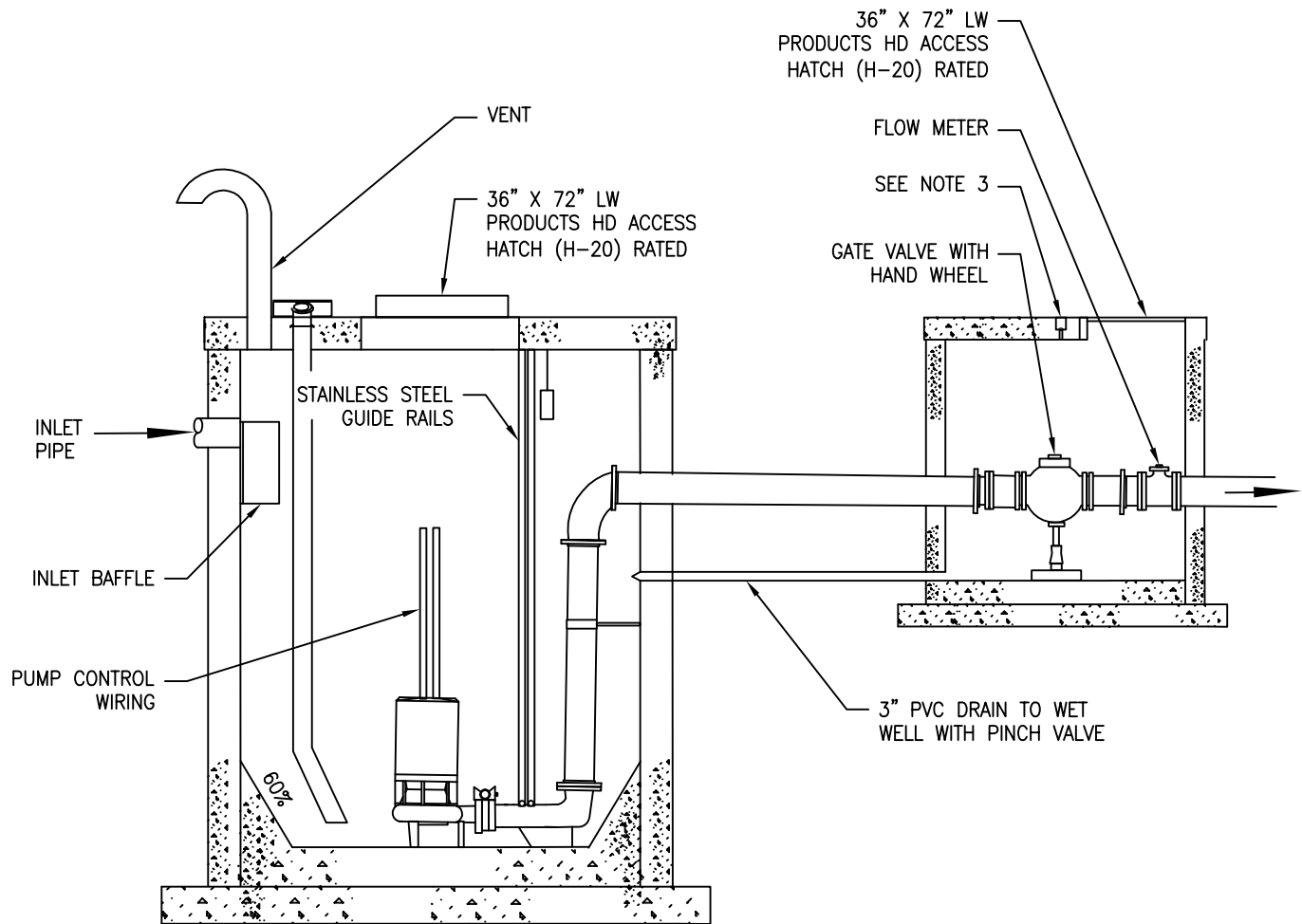
 <b>ALDERWOOD</b> WATER & WASTEWATER DISTRICT	
<b>TYPE 1 &amp; 2 LIFT STATION          BYPASS (PROFILE)</b>	
DATE: 11-2015	DWG. LS-3
APPROVED BY: _____ DLH _____ DISTRICT ENGINEER	



**NOTES:**


1. GENERAL INFORMATION ONLY. REFER TO DISTRICT STANDARDS FOR MORE DETAILED INFORMATION.
2. THIS IS A TYPICAL TYPE 2 LIFT STATION SITE LAYOUT. DESIGN ENGINEER NEEDS TO PROVIDE LAYOUT AND SIZING BASED UPON LIFT STATION MANUFACTURER'S ENGINEERING DATA AND ENGINEERING DESIGN REPORT APPROVED BY DISTRICT.
3. FLUSH FLOOR MOUNT FOR PORTABLE DAVIT HOIST WITH WEEP HOLE. LOCATION TO BE IDENTIFIED BY DISTRICT.

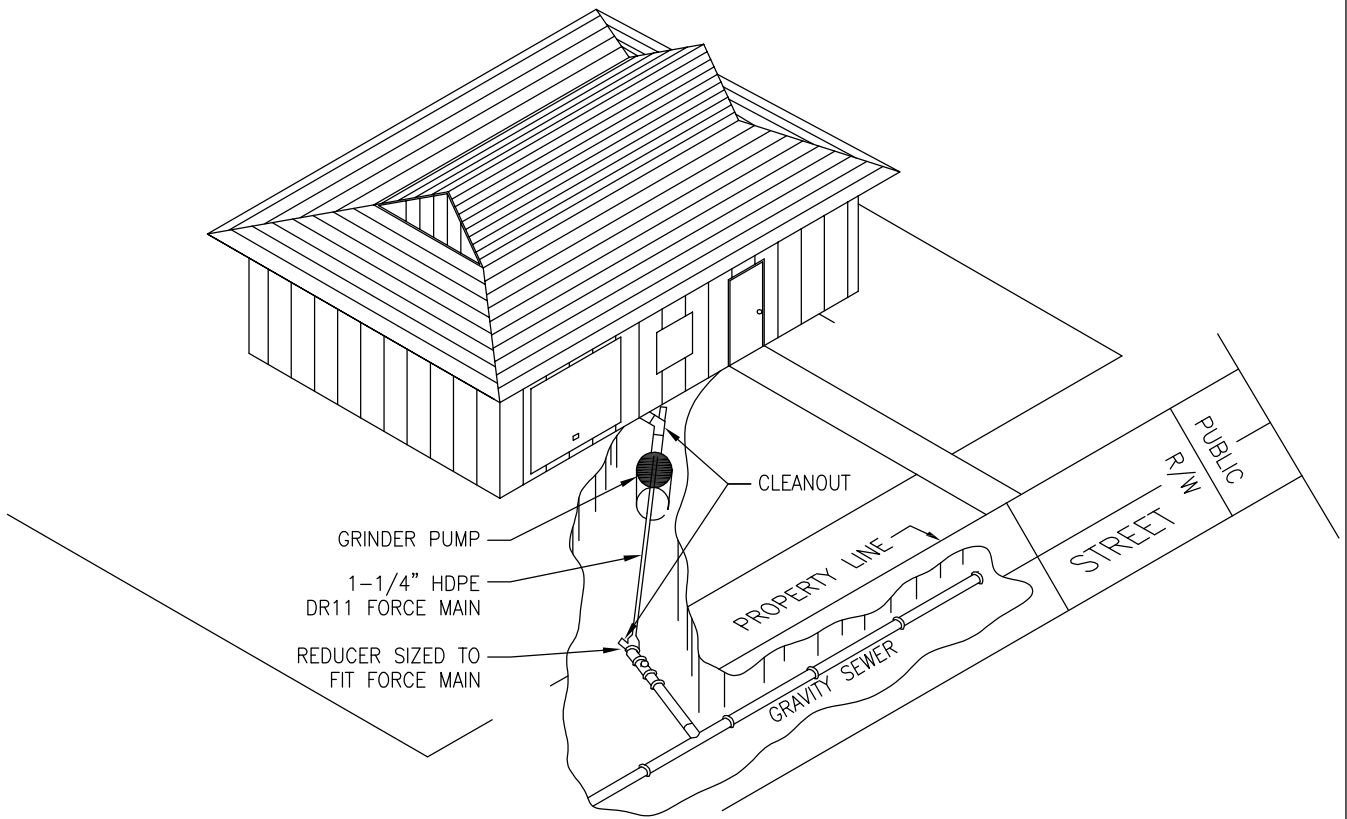
	
<p><b>TYPE 2 LIFT STATION (PLAN)</b></p>	
DATE: 11-2015	DWG. LS-4
APPROVED BY: <u>DLH</u> DISTRICT ENGINEER	



**NOTES:**

1. GENERAL INFORMATION ONLY. REFER TO DISTRICT STANDARDS FOR MORE DETAILED INFORMATION.
2. THIS IS A TYPICAL TYPE 2 LIFT STATION SITE LAYOUT. DESIGN ENGINEER NEEDS TO PROVIDE LAYOUT AND SIZING BASED UPON LIFT STATION MANUFACTURER'S ENGINEERING DATA AND ENGINEERING DESIGN REPORT APPROVED BY DISTRICT.
3. FLUSH FLOOR MOUNT FOR PORTABLE DAVIT HOIST WITH WEEP HOLE. LOCATION TO BE IDENTIFIED BY DISTRICT.

 <b>ALDERWOOD</b> WATER & WASTEWATER DISTRICT	
<b>TYPE 2 LIFT STATION (PROFILE)</b>	
DATE: 11-2015	DWG. LS-5
APPROVED BY: _____ DLH _____ DISTRICT ENGINEER	



GENERAL INFORMATION ONLY. REFER TO DISTRICT STANDARDS FOR MORE DETAILED INFORMATION

NOTES:

- ① GRINDER PUMP SHALL BE A E/ONE DH071 OR DR071 MODEL AND INSTALLED PER MANUFACTURERS INSTALLATION MANUAL.
- ② FORCE MAIN AND PUMP ASSEMBLIES ARE PRIVATE AND SHALL BE THE PROPERTY OWNERS RESPONSIBILITY TO MAINTAIN.
- ③ FORCE MAIN TO 6" GRAVITY LATERAL STUB CONNECTION MUST BE MADE WITH PVC REDUCER, NOT A FLEXIBLE COUPLING (SEE DETAIL SS-7).
- ④ 1-1/4" HDPE LINE SHALL BE WATER TESTED AT 80 PSI FOR 5 MINUTES.

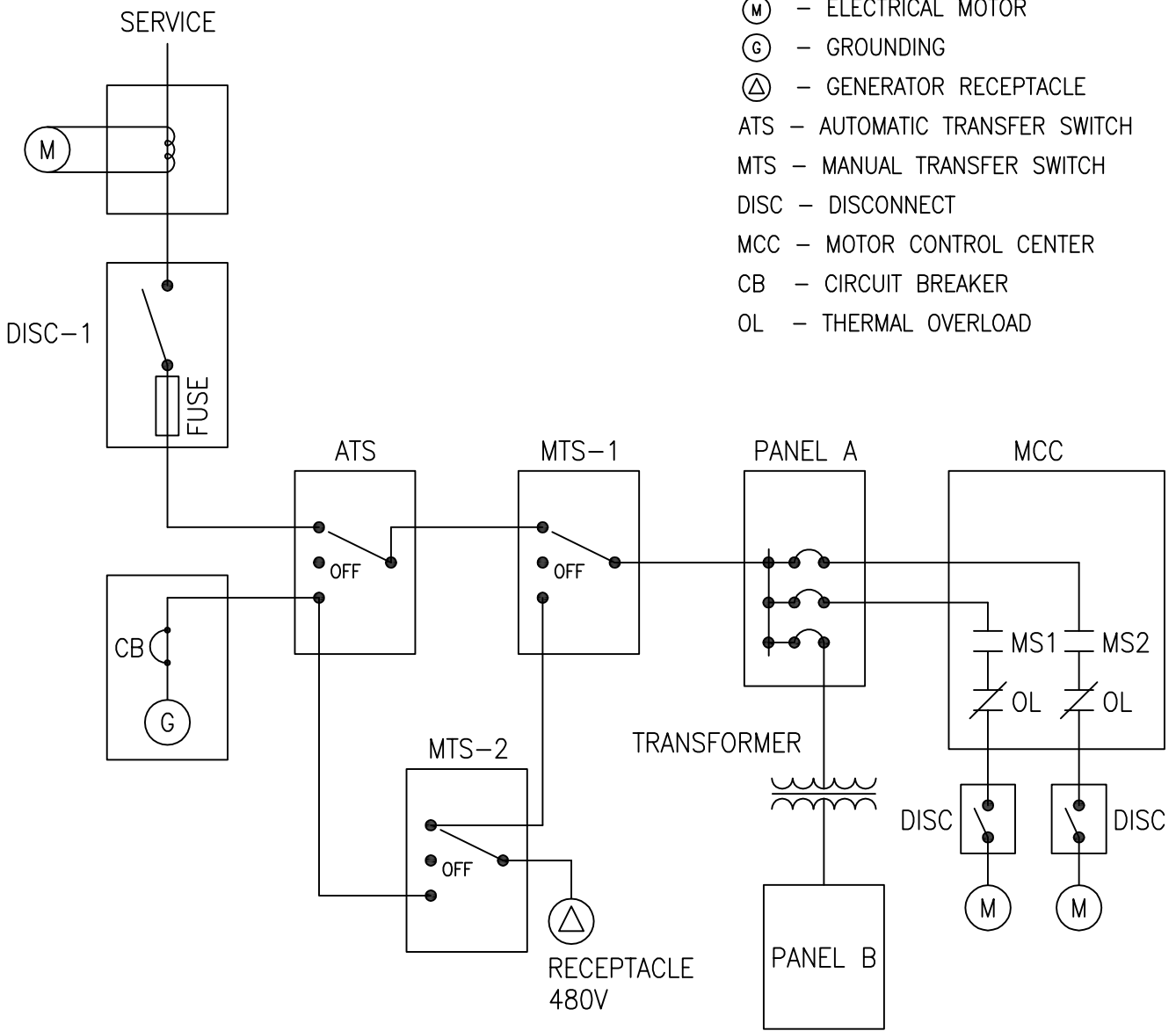


**TYPE 3 LIFT STATION**

DATE: 05-2017

DWG. LS-7

APPROVED BY: DLH  
DISTRICT ENGINEER



**NOTES:**

1. GENERAL INFORMATION ONLY. REFER TO DISTRICT STANDARDS FOR MORE DETAILED INFORMATION.
2. THE ENCLOSURES SHALL BE SPECIFIED BY THE DISTRICT AT THE TIME OF APPROVAL OF THE LIFT STATION.



**TYPICAL LIFT STATION ONE-LINE**

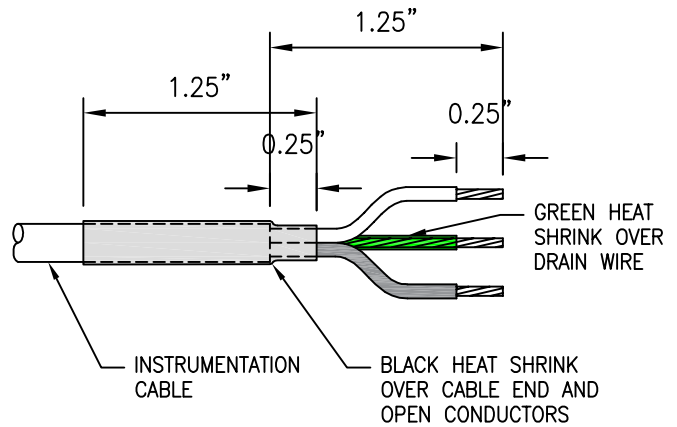
DATE: 11-2015

DWG. LS-8

APPROVED BY: DLH  
DISTRICT ENGINEER

**NOTES:**

1. NEATLY TRIM THE END OF THE CABLES
2. STRIP BACK 1.25" OF THE OUTER JACKET TAKING CARE NOT TO CUT INTO THE CONDUCTOR INSULATION.
3. NEATLY TRIM THE FOIL BACK TO THE EDGES OF THE OUTER JACKET TAKING CARE NOT TO DAMAGE THE DRAIN WIRE.
4. FOR SIGNAL CABLES WITH A BRAIDED SHIELD OVER A FOIL SHIELD, CAREFULLY CUT THE BRAID BACK TO THE EDGE OF THE OUTER JACKET.
5. PROVIDE A GREEN HEAT SHRINK TUBE OVER THE DRAIN WIRE, LEAVING 0.25" OF EXPOSED CONDUCTOR.
6. PROVIDE A 1.25" BLACK HEAT SHRINK OVER THE JACKET, COVERING 0.25" OF THE EXPOSED CONDUCTORS. THIS PROPERLY INSULATES AND PROTECTS THE ENDS OF THE SHIELDS AND THE OUTER JACKET.
7. STRIP THE SIGNAL CONDUCTORS EXPOSING 0.25" OF CONDUCTOR.

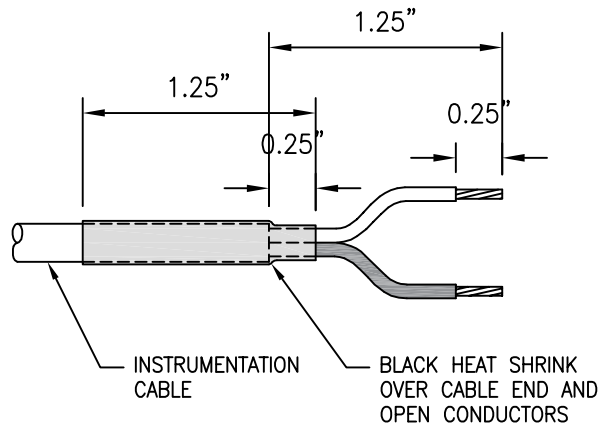


**PREPARING THE SHIELDED END**

DIMENSIONS IN INCHES

**NOTES:**

1. NEATLY TRIM THE END OF THE CABLES
2. STRIP BACK 1.25" OF THE OUTER JACKET TAKING CARE NOT TO CUT INTO THE CONDUCTOR INSULATION.
3. NEATLY TRIM THE FOIL BACK TO THE EDGES OF THE OUTER JACKET.
4. CUT THE DRAIN WIRE AT THE EDGE OF THE OUTER JACKET TAKING CARE NO TO DAMAGE THE SIGNAL CONDUCTOR INSULATION.
5. FOR SIGNAL CABLES WITH A BRAIDED SHIELD OVER A FOIL SHIELD, CAREFULLY CUT THE BRAID BACK TO THE EDGE OF THE OUTER JACKET.
6. PROVIDE A 1.25" BLACK HEAT SHRINK OVER THE JACKET, COVERING 0.25" OF THE EXPOSED CONDUCTORS. THIS PROPERLY INSULATES AND PROTECTS THE ENDS OF THE SHIELDS AND THE OUTER JACKET.
7. STRIP THE SIGNAL CONDUCTORS EXPOSING 0.25" OF CONDUCTOR.



**PREPARING THE UNSHIELDED END**

DIMENSIONS IN INCHES



**PREPARING INSTRUMENTATION  
(SIGNAL) CABLES**

DATE: 11-2015

DWG. LS-9

APPROVED BY: DLH  
DISTRICT ENGINEER