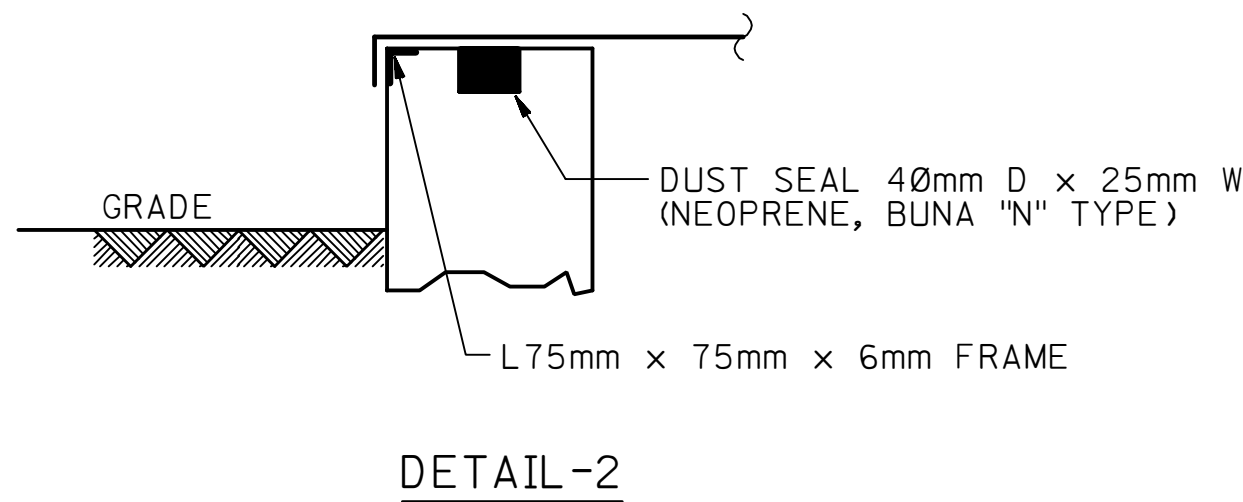
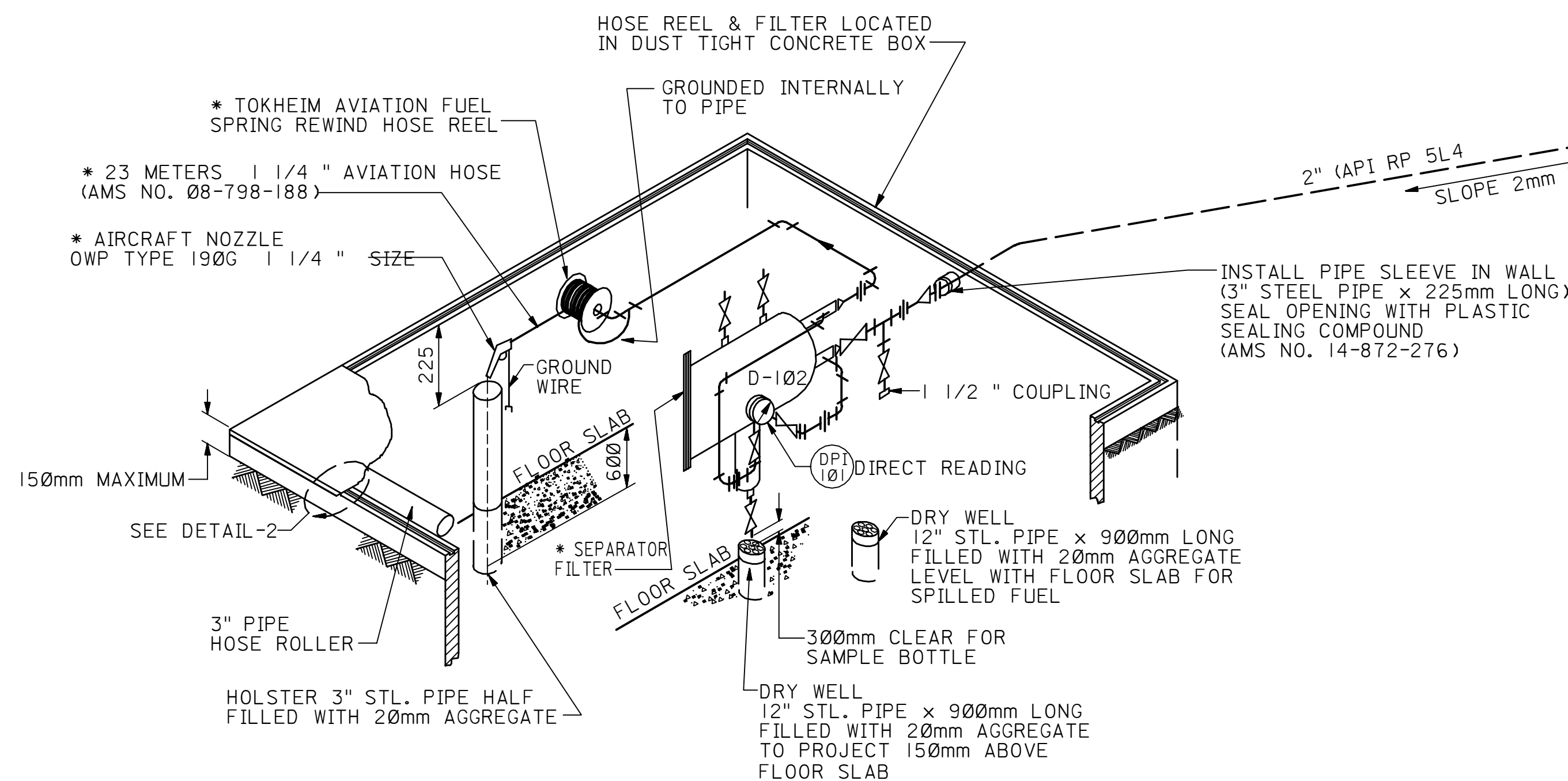
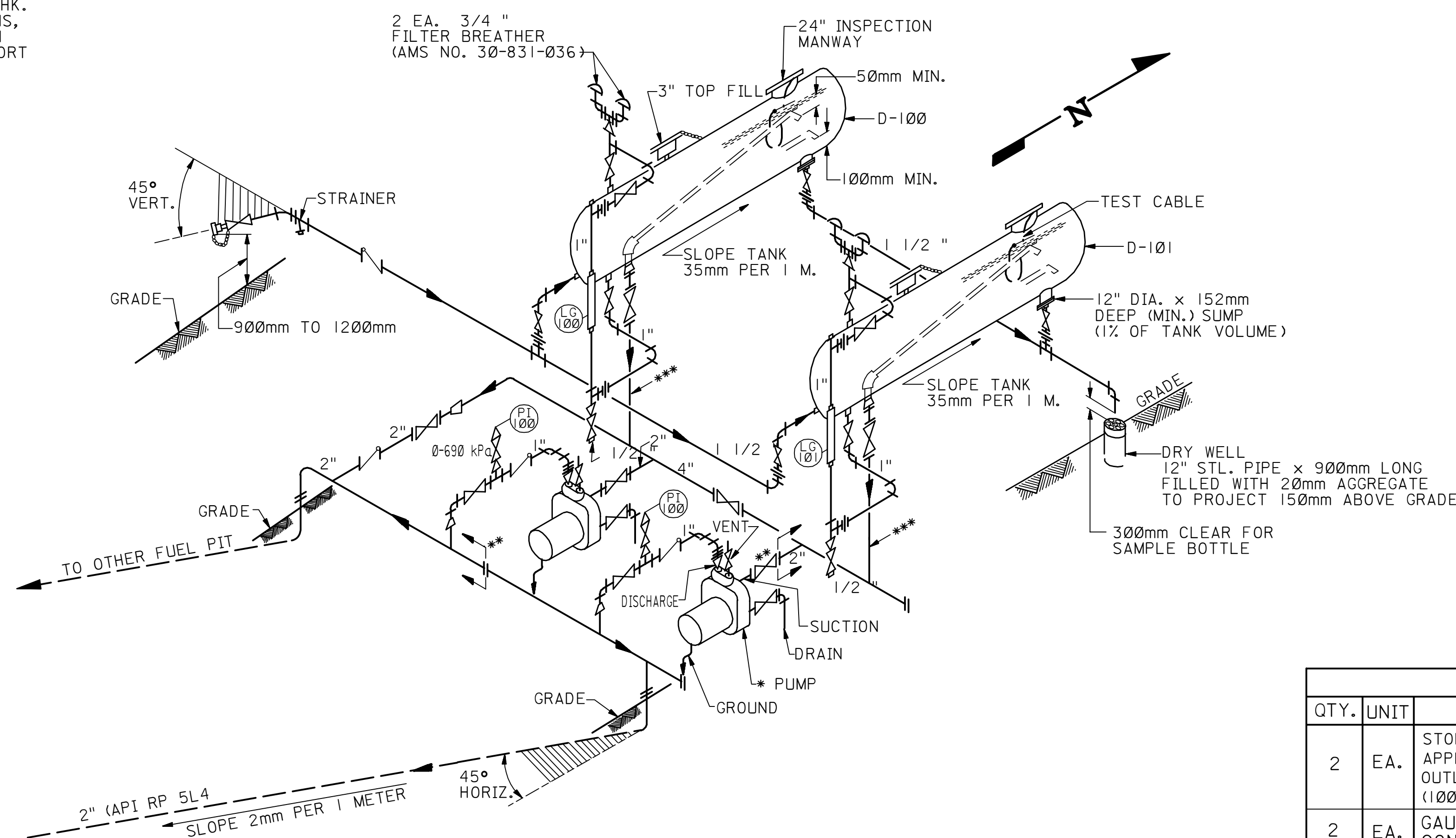
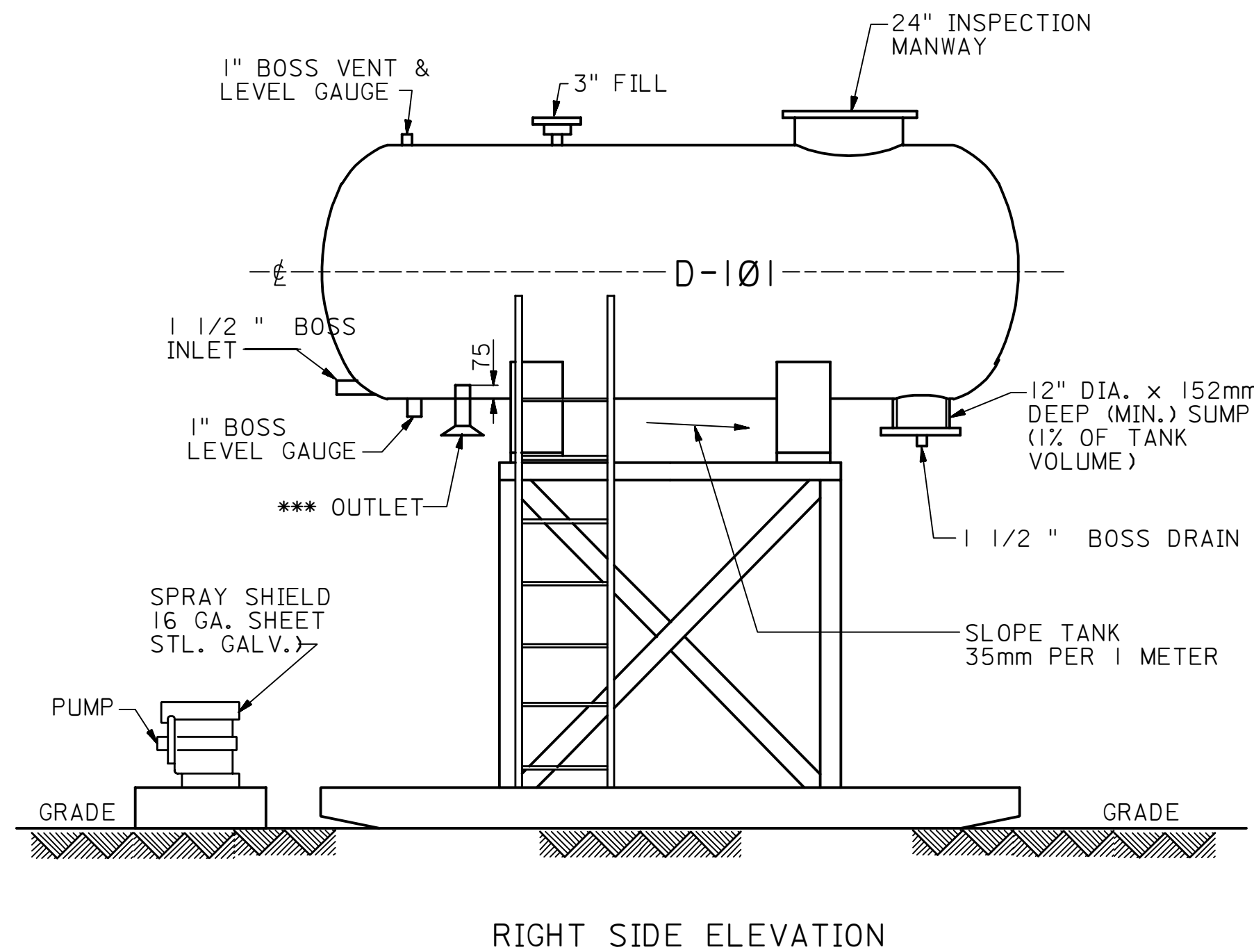
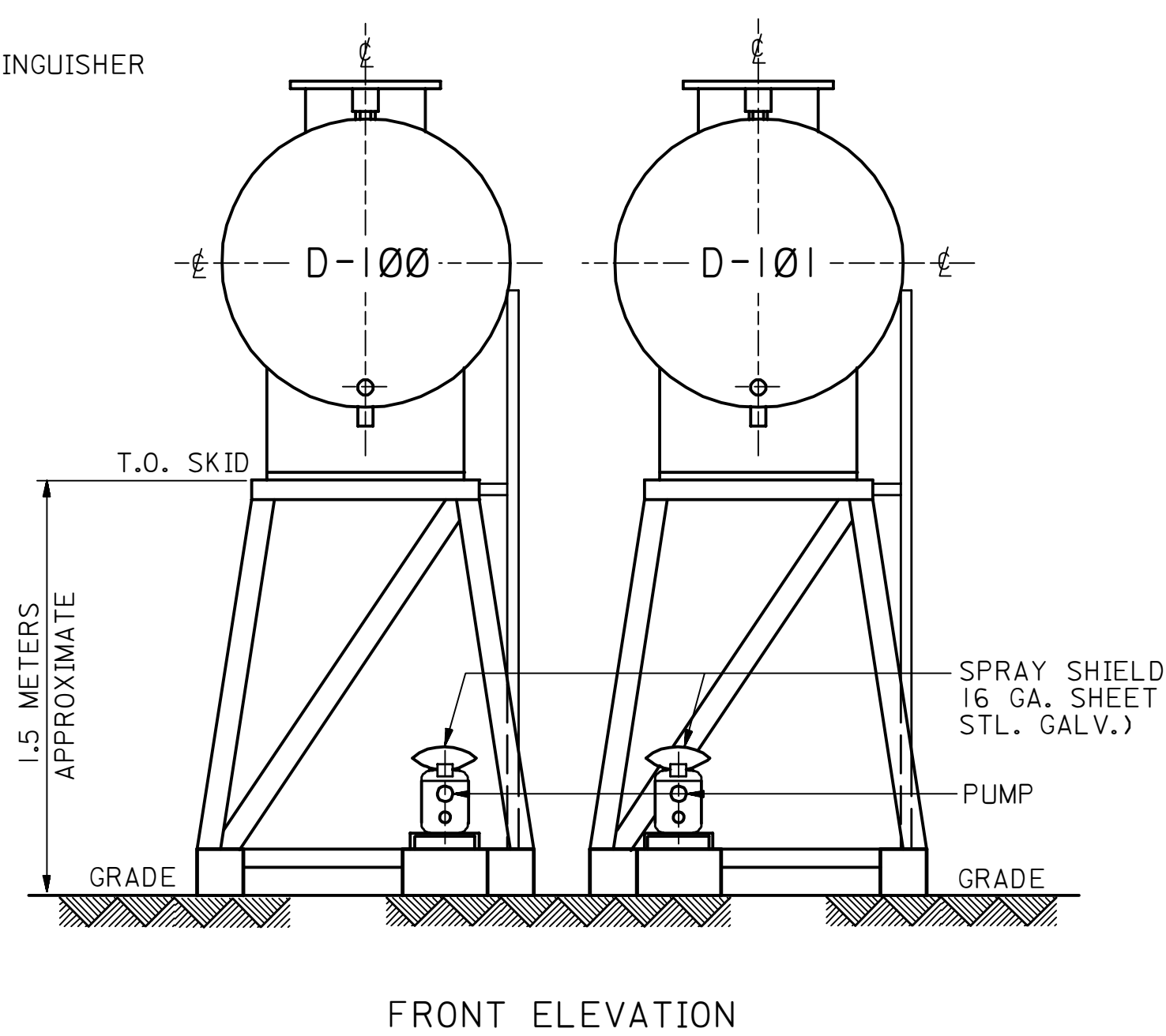
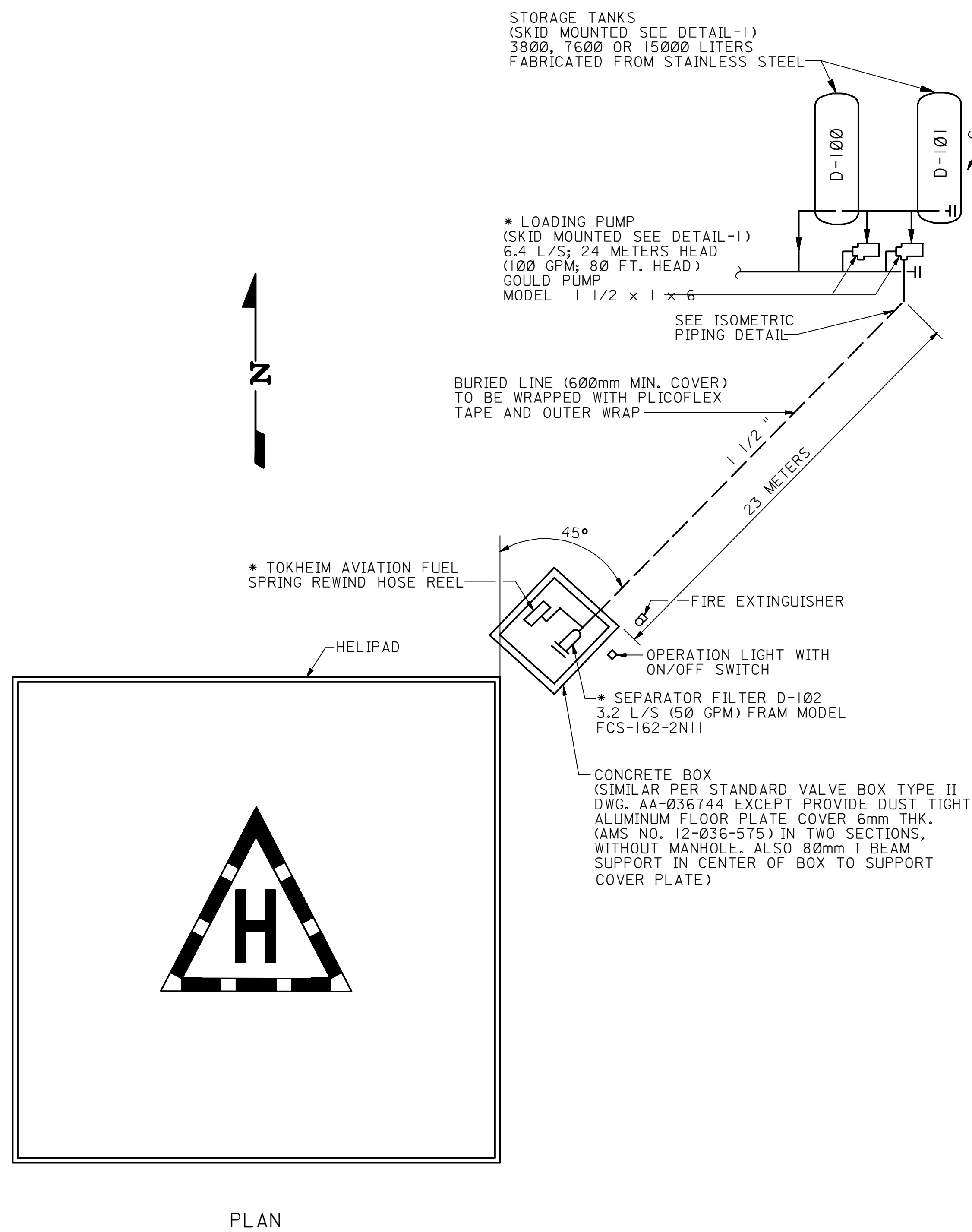


990	PLANT NO.	INDEX	DRAWING NUMBER	990	REV. NO.
001				001	



EQUIPMENT LIST		
QTY.	UNIT	BRIEF DESCRIPTION
2	EA.	STORAGE TANK: STAINLESS STEEL; (SKID MOUNTED APPROX. 1.5 METERS ABOVE GRADE) WITH FLOATING OUTLET INSIDE; 3800, 7600 OR 15000 LITERS (1000, 2000 OR 4000 U.S. GALLONS)
2	EA.	GAUGE: LEVEL; TOP AND BOTTOM CONNECTION; 1"
4	EA.	FILTER: BREATHER; 3/4 " SIZE; (AMS NO. 30-831-036)
1	EA.	2 1/2 " FEMALE FILLING CONNECTION; DUST TIGHT CAP AND CHAIN; AVERY HARDOLL PART NUMBER FC-103-MK-2
2	EA.	PUMP: 6.4 L/S; 24 METERS HEAD (100 GPM, 80 FT. HEAD) GOULD PUMP MODEL 1 1/2 x 1 x 6 HC 1 SUCTION; 1" DISCHARGE 3.7 KW (5 HP) MOTOR (AMS NO. 31-205-219) FITTED WITH MECHANICAL SEAL
1	EA.	SEPARATOR FILTER: 3.2 LITERS (50 GPM) FRAM MODEL FCS-162-2N11 WITH DIRECT READING DIFFERENTIAL PRESSURE GAUGE RATING: COALESCE 2 MICROMETER, SEPARATOR 5 MICROMETER
1	EA.	ROKHEIM AVIATION FUEL SPRING REWIND HOSE REL SE-29-14-10 RIGHT HAND BOTTOM REWIND STAINLESS STEEL, VITON SEALS
75	FT.	HOSE: 1 1/4 " ; (AMS NO.08-7981008) ROBINS "MONARCH" SPEC. NO. 23-4133
1	EA.	AIRCRAFT NOZZLE: OWP TYPE 190G; 1 1/4 SIZE
2	EA.	FLOATING ARM: 2 INCH THREADED, TANK OUTLET CHIKSAN 40 SS SWIVEL JOINT WITH 55 B PACKING AND FLOAT

NOTES																																							
1. PIPING WILL BE ASTM 304 STAINLESS STEEL, EXCEPT UNDERGROUND PIPING MAY BE REINFORCED THERMOSETTING RESIN LITE PIPE (FIBERGLASS) IN ACCORDANCE WITH API RP-5L4.																																							
2. ITEMS SHOWN * ARE NOT TO BE SUBSTITUTED.																																							
3. INSTALL TWO PUMPS FOR FACILITIES HAVING 3 OR MORE REFUELING POINTS. MULTIPLE PUMP INSTALLATIONS REQUIRE A CHECK VALVE ON THE DISCHARGE OF EACH PUMP.																																							
4. FUELING PUMPS ARE WIRED THROUGH A TIMER WHICH WILL TURN OFF THE PUMP AFTER 15 MINUTES OPERATION. THE PUMP CAN BE RESTARTED BY THE PUSH BUTTON AND WILL RUN FOR ANOTHER 15 MINUTES.																																							
5. ALL MATERIALS, INCLUDING SEALS, GASKETS, LININGS PACKINGS, HOSES, ETC. MUST BE COMPATIBLE WITH JET A-1 FUEL AT TEMPERATURES UP TO 70°C (160°F).																																							
6. FIRE EXTINGUISHER ARE 30 LBS. DRY CHEMICAL (AMS NO. 21-102-8201)																																							
7. 1 1/2" VESSEL DRUM PIPING TO DRY WELL WILL ASTM A-102, GALVANIZED.																																							
8. TANK SUPPORTS TO BE FIREPROOFED.																																							
9. PIT-LID IS DESIGNED TO KEEP OUT DUST AND SEAL THE PIT DURING STORMS. A DUST SEAL KEEPS OUT SAND PARTICLES. AN ANGLE FRAME ON THE OUTSIDE PERIMETER OF THE PIT HELPS TO SECURE THE LID HINGES OR THE E-SHAPED RUNNERS TO THE FUELING PIT.																																							
10. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.																																							
SPECIAL NOTE																																							
REF.: AVIATION FACILITY SPECIFICATION NO. 1 DATED JANUARY 27, 1975. PAF TO CJW.																																							
LEGEND																																							
* SEE NOTE-2																																							
** OPTIONAL SIGNAL PUMP INSTALLATION																																							
*** 2" ON 7600 LITERS (2000 GALS.) TANK 4" ON 15000 LITERS (4000 GALS.) TANK																																							
REFERENCE DRAWINGS																																							
STANDARD CONSTRUCTION DETAILS OF VALVE BOXES								AA-036744																															
PLAN, SECTIONS & DETAILS TYPE-2 18m x 18m (60 FT. x 60 FT.) (SQUARE) ON-SHORE HELIPAD								AA-036245																															
PLAN, SECTIONS & DETAILS TYPE-2 18m x 18m (60 FT. x 60 FT.) (SQUARE) ON-SHORE HELIPAD								AA-036246																															
PLANS & ELEVATION GENERAL REQUIREMENTS & LIMITATIONS TYPE-1, 2 & 3. ON-SHORE HELIDECKS								AA-036248																															
REFERENCES TO ANY PARTICULAR MANUFACTURER BY NAME IN CONNECTION WITH ANY PRODUCT ARE INTENDED ONLY FOR PURPOSE OF EXAMPLE OR DESCRIPTION (I.E. TYPE SPECIFICATION AND QUALITY) OF THAT PRODUCT AND ITEMS PURCHASED MAY BE OF ANY MANUFACTURER THAT MEETS TECHNICAL REQUIREMENTS.																																							
TYPICAL INSTALLATION DRAWING																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td colspan="4"></td> <td colspan="3" style="font-size: small;">REDRAWN, REVISED AND ADDED TYPICAL INSTALL. DWG. NOTE.</td> <td colspan="3"></td> </tr> <tr> <td style="font-size: x-small;">REV. NO.</td> <td style="font-size: x-small;">DATE</td> <td style="font-size: x-small;">BY</td> <td colspan="4" style="font-size: x-small;">DESCRIPTION</td> <td style="font-size: x-small;">CHKD</td> <td style="font-size: x-small;">CERT.</td> <td style="font-size: x-small;">APPD.</td> </tr> </table>																								REDRAWN, REVISED AND ADDED TYPICAL INSTALL. DWG. NOTE.						REV. NO.	DATE	BY	DESCRIPTION				CHKD	CERT.	APPD.
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REV. NO.	DATE	BY	DESCRIPTION				CHKD	CERT.	APPD.																														
FOR ARABIAN AMERICAN OIL COMPANY																																							
DRAWN BY _____ CHECKED BY _____ SCALE: _____ NONE																																							
DATE STARTED _____ DATE COMPLETED _____																																							
OPR'G. DEPT. _____ ENG. DEPT. _____																																							
APPD. FOR CONST. _____																																							
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL, UNLESS CERTIFIED AND DATED					CERTIFIED DATE																																		
AIRCRAFT REFUELING FACILITY																																							
JET A-1																																							
PLAN AND DETAILS																																							
STD. DWG.								METRIC																															
PLANT NO.	INDEX	DRAWING NUMBER				SHT. NO.	REV. NO.																																
990	L	AA-036239				001	05																																