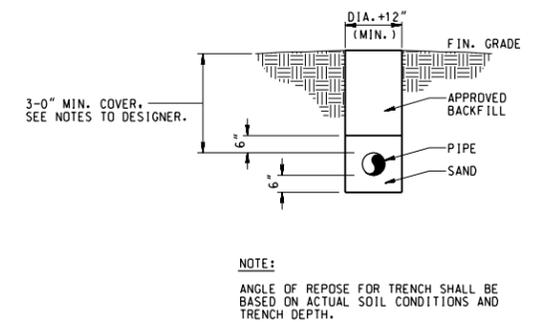
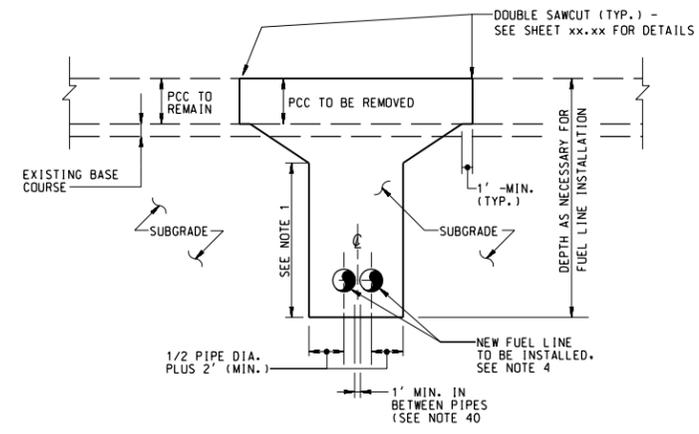


* NOTE TO DESIGNER
 PROVIDE SLOPE, 0.5 RECOMMENDED MINIMUM
 (SEE NOTE 2)

TYPICAL HYDRANT LOOP PROFILE
 NO SCALE



TYPICAL PIPE TRENCH DETAIL
 SCALE: 1/2 INCH = 1 FOOT



TYPICAL PIPE TRENCH DETAIL
 NO SCALE

NOTES:
 1. THE TRENCH SHALL BE EXCAVATED AND MAINTAINED TO MEET OSHA "29 CFR PART 1926" CRITERIA FOR SIDE SLOPES AND/OR SHORING. THE TRENCH MAY BE SLOPED WHERE SPACE PERMITS. SLOPING SHALL BE IN ACCORDANCE WITH THE OSHA REQUIREMENTS.

NOTES TO THE DESIGNER:

- PIPE PROFILES ARE REQUIRED FOR ALL PIPING THAT CONTAINS FUEL.
- IF SLOPE IS LESS THAN 0.2%, A PIGGING STATION SHALL BE PROVIDED. A MINIMUM OF ONE DRAIN FOR MAINTENANCE SHALL ALSO BE PROVIDED.
- MINIMUM COVER ON PIPING SHALL BE THE LARGER OF 3'-0", 1'-6" BELOW BOTTOM OF RIGID PAVEMENT, BELOW SUBGRADE, OR BELOW FROST LINE. INCREASE DEPTH OF COVER AS REQUIRED TO SUIT DESIGN CONDITIONS INCLUDING LIVE AND DEAD LOADS, TYPE OF PIPE, CONSTRUCTION CONDITIONS, BACKFILL MATERIAL, AND PAVEMENT DESIGN.
- MINIMUM SEPARATION IS 1'-0". COORDINATE WITH CATHODIC PROTECTION REQUIREMENTS.
- AFM 88-10, VOL 5, PARAGRAPH 3.2.E REQUIRES THAT CASING BE PROVIDED FOR PRESSURE WATER LINES UNDER AIRCRAFT PAVEMENT (WHERE AIRCRAFT TAXI UNDER THEIR OWN POWER). HOWEVER, NO REGULATIONS COVER FUEL LINES UNDER AIRCRAFT PAVEMENT. IT MAY BE A GOOD IDEA TO REQUIRE CASING FOR CRITICAL TAXIWAYS AND RUNWAYS. CASING PIPE FOR FUEL LINES UNDER CRITICAL TAXIWAYS AND RUNWAYS SHALL BE EVALUATED ON A CASE BY CASE CONSIDERATION, BUT ARE NOT REQUIRED.

\$\$ - THINK VALUE ENGINEERING - \$\$			
REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED
ROBERT AND COMPANY 96 POPLAR ST., N.W. ATLANTA, GA 30335	US ARMY ENGINEER DISTRICT CORPS OF ENGINEERS DANNA, NE	AIR FORCE C.E. SUPPORT AGENCY 139 BARNES DRIVE, SUITE #1 TYNDALL AFB, FL 32483-5314	
DESIGNED BY: J. J. P.	AIR FORCE STANDARDS PRESSURIZED HYDRANT FUELING SYSTEM TYPE III		
DRAWN BY: P. R. W.	SITE DETAILS AND PIPE PROFILES		
CHECKED BY: M. T. S.			
REVIEWED BY: S. G. E.	PLOT SCALE RATIO: 2:1 DESIGN FILE: SD18MD01.DGN	DATE: REV. #1 NOV. 1998	SHEET REFERENCE NUMBER:
SUBMITTED BY: CHIEF: WBB	SPEC. NO.:	DRAWING CODE:	MD. 1
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