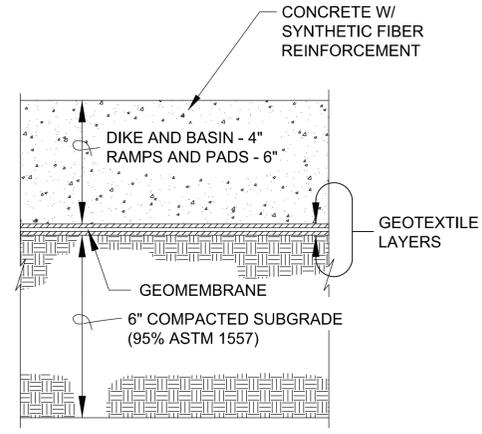


**TYPICAL SECTION - SPILL CONTAINMENT DIKES**

SCALE: NONE

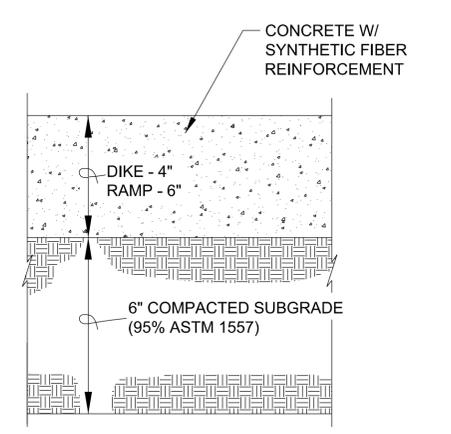
**GENERAL NOTES:**

1. ALL CONCRETE SHALL BE REINFORCED WITH SYNTHETIC FIBER REINFORCEMENT. ADDITIONAL STEEL REINFORCEMENT SHALL BE PROVIDED, WHERE INDICATED ON THE JOINT LAYOUT PLAN. SEE SPECIFICATIONS SECTION 32 13 15.20 CONCRETE PAVEMENT FOR CONTAINMENT DIKES FOR CONCRETE AND REINFORCEMENT REQUIREMENTS.
2. PROVIDE A GEOMEMBRANE BOOT FOR ALL CIRCULAR GEOMEMBRANE PENETRATIONS. ALL SMALL LINER PENETRATIONS SHALL BE CIRCULAR TO ACCOMMODATE A BOOT SEAL.
3. ALL JOINTS SHALL BE SEALED PER SPECIFICATIONS SECTION 32 01 19 FIELD MOLDED SEALANTS FOR SEALING JOINTS IN RIGID PAVEMENTS. SEE SHEET C.04 FOR THE JOINT LAYOUT PLAN.
4. A GEOTEXTILE SHALL BE INSTALLED BELOW AND ABOVE THE GEOMEMBRANE. SEE SPECIFICATION SECTION 33 56 63 FUEL IMPERMEABLE LINER SYSTEM. THE GEOMEMBRANE AND GEOTEXTILE SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES, AS SPECIFIED.
5. THE SURFACE UNDERLYING THE GEOTEXTILE/GEOMEMBRANE SHALL BE SMOOTH AND FREE OF ROCKS LARGER THAN 1/2 INCH IN DIAMETER OR ANY OTHER MATERIAL WHICH COULD DAMAGE THE GEOMEMBRANE LINER.
6. GEOMEMBRANE ANCHORAGE / EMBEDMENT STRIP MATERIALS AND INSTALLATION SHALL BE AS RECOMMENDED BY THE MANUFACTURER OF THE GEOMEMBRANE.



**TYPICAL LINER SECTION  
DIKES INTERIOR AND BASIN (W/ LINER)**

SCALE: NONE

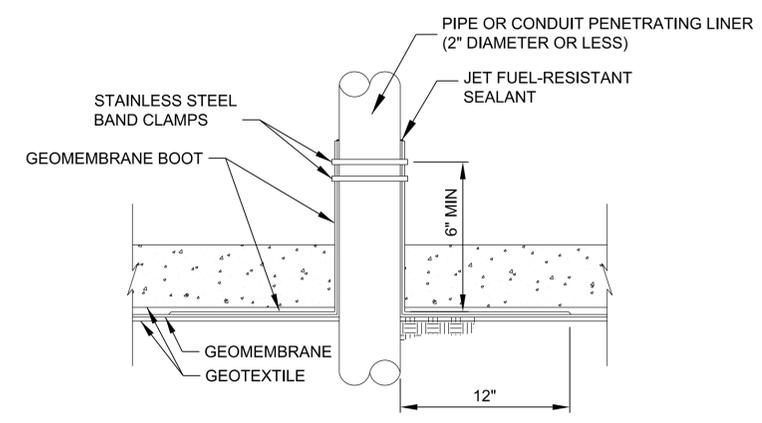


**TYPICAL LINER SECTION  
DIKE EXTERIOR (W/O LINER)**

SCALE: NONE

**DESIGNER NOTES:**

1. THE GEOTEXTILE LAYERS ARE PROVIDED TO PROTECT THE GEOMEMBRANE DURING AND AFTER CONSTRUCTION. THE BOTTOM GEOTEXTILE LAYER MAY BE OMITTED IF THE SUBGRADE SOIL IS KNOWN TO BE FREE OF ROCKS OR OTHER MATERIALS THAT COULD POTENTIALLY DAMAGE THE GEOMEMBRANE.



NOTE: SEE SHEET CD.08 FOR PIPE PENETRATIONS OVER 2-INCHES IN DIAMETER.

**TYPICAL CONDUIT OR SMALL PIPE  
PENETRATION DETAIL (CONCRETE)**

SCALE: NONE

APPROVED	DATE
FOR COMMANDER NAVFAC	DESCRIPTION
ACTIVITY	DATE
SATISFACTORY TO	DATE
DES RLG	DRW RLG
CHK	ELB
SUBMITTED BY:	DATE: APRIL 2015
NAVAL FACILITIES ENGINEERING COMMAND - ATLANTIC DOD STANDARD DESIGN AW78-24-27 <b>FUEL TANKS WITH FIXED ROOFS                  ABOVEGROUND VERTICAL STEEL                  DIKE DETAILS - CONCRETE SURFACED</b>	
SCALE: AS NOTED	PROJECT NO.: XXXXX
CONSTR. CONTR. NO.	XXXXXX
NAVFAC DRAWING NO.	XXXXXX
SHEET 11 OF 57	CD.01

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