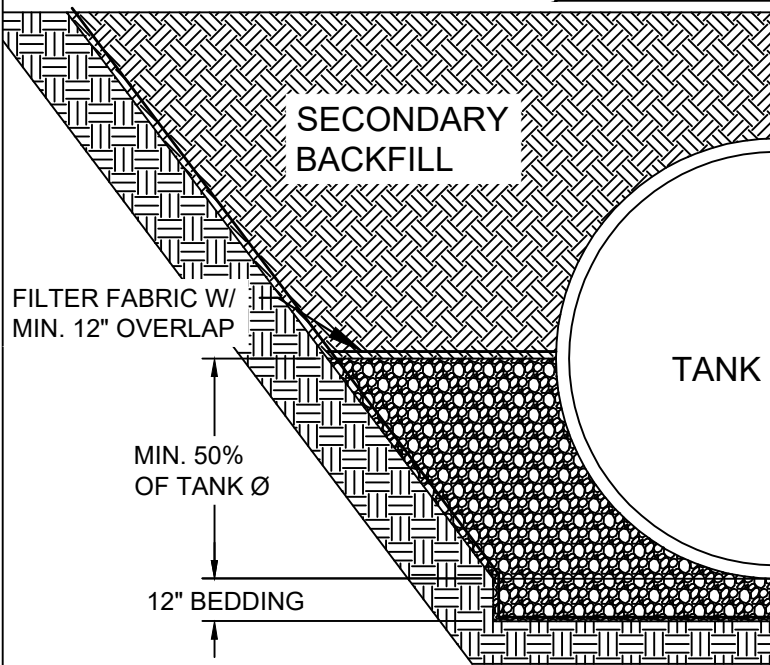


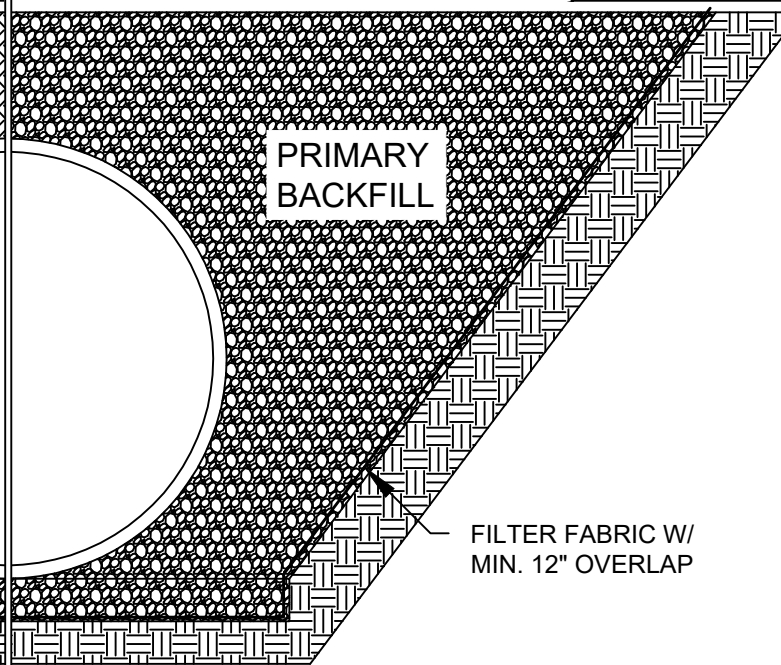
**OPTION A**

**FIGURE A-1**



**OPTION B**

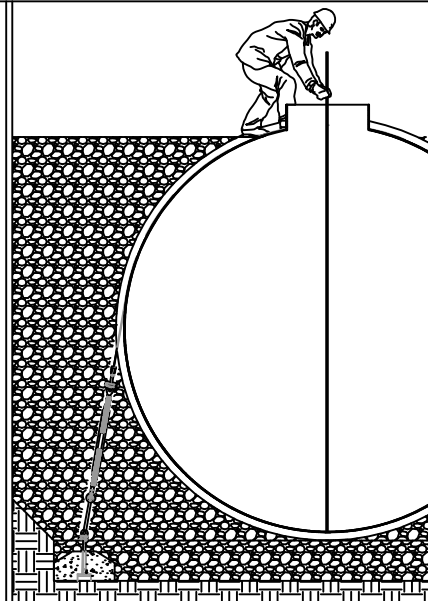
**FIGURE A-2**



**BACKFILL STEPS**

1. LINE EXCAVATION HOLE WITH GEOTEXTILE/ FILTER FABRIC TO STABILIZE NATIVE SOIL. FABRIC SECTIONS MUST HAVE 12" MIN. OVERLAP.
2. INSTALL 12" OF TANK BEDDING. (SEE FIGURE ## FOR APPROVED BACKFILL MATERIAL)
3. SET TANK ONTO THE 12" OF BEDDING.
4. BACKFILL IN 6"-12" LIFTS. REFER TO FIGURES A-4 & A-5 FOR APPROVED METHODS.
5. BACKFILL TO THE TOP OF TANK USING OPTIONS A OR B. (FIGURES A-1 & A-2) IF OPTION A-1 IS USED A LAYER OF FILTER FABRIC IS REQUIRED TO SEPARATE THE SECONDARY BACKFILL FROM THE PRIMARY BACKFILL. SEE FIGURE ## FOR APPROVED SECONDARY BACKFILL.

**FIGURE A-3**



**TANK DIAMETER MUST BE MEASURED FOR DEFLECTION:**

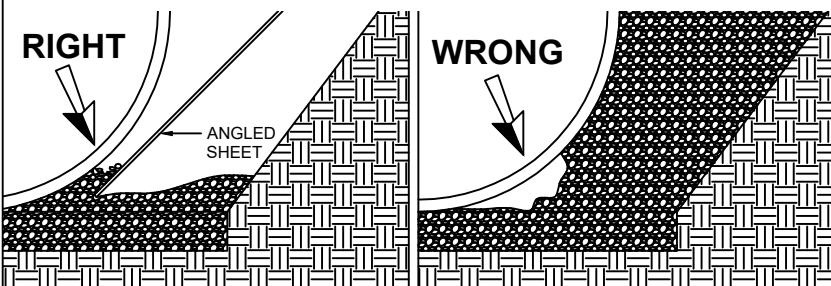
1. BEFORE INSTALLATION
2. AFTER ANCHOR STRAPS ARE SECURED.
3. DURING THE BACKFILL PROCESS
4. ONCE BACKFILL IS UP TO SUBGRADE

TANK DIA.	ALLOWABLE DEFLECTION
4 Ft	1/2" [1.3 CM]
5 Ft	1/2" [1.3 CM]
6 Ft	3/4" [1.9 CM]
8 Ft	1 1/8" [2.9 CM]
10 Ft	1 1/2" [3.8 CM]
12 Ft	1 3/4" [4.5 CM]

- DEFLECTION = DIAMETER MEASUREMENT - MEASUREMENT #1
- MEASUREMENTS CAN BE TAKEN WITH A TAPE MEASURE OR A DIPSTICK (WITH OR WITHOUT STAND PIPE)

**FIGURE A-4**

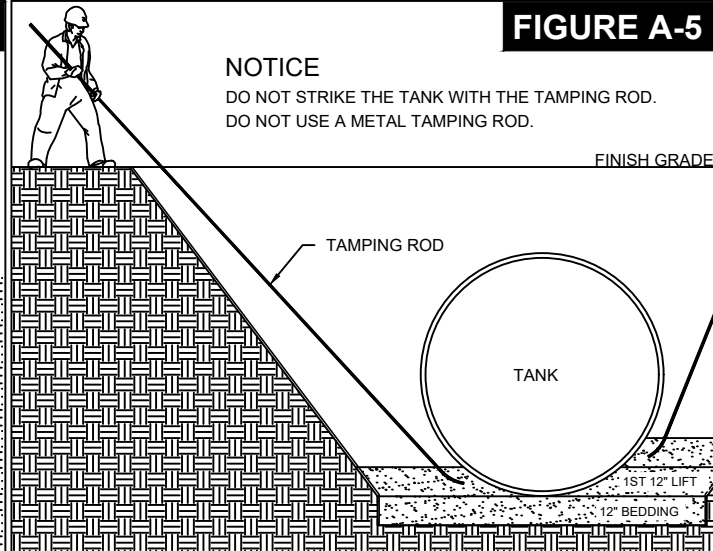
- PREVENT ANY VOIDS UNDERNEATH TANK BY WORKING THE BACKFILL UNDER THE TANK, DOME ENDS, AND BETWEEN RIBS TO INSURE THE TANK IS FULLY SUPPORTED.
- ANGLED SHEETING/ HAND SHOVELS ARE RECOMMENDED FOR CRUSHED STONE.
- TAMPING RODS ARE RECOMMENDED FOR FREE FLOWING GRAVEL AND COARSE SAND.



**FIGURE A-5**

**NOTICE**

DO NOT STRIKE THE TANK WITH THE TAMPING ROD.  
DO NOT USE A METAL TAMPING ROD.



SHEET TITLE:

**APENDIX A  
BACKFILL METHOD**

DRAWN DATE:  
**07/08/20**

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