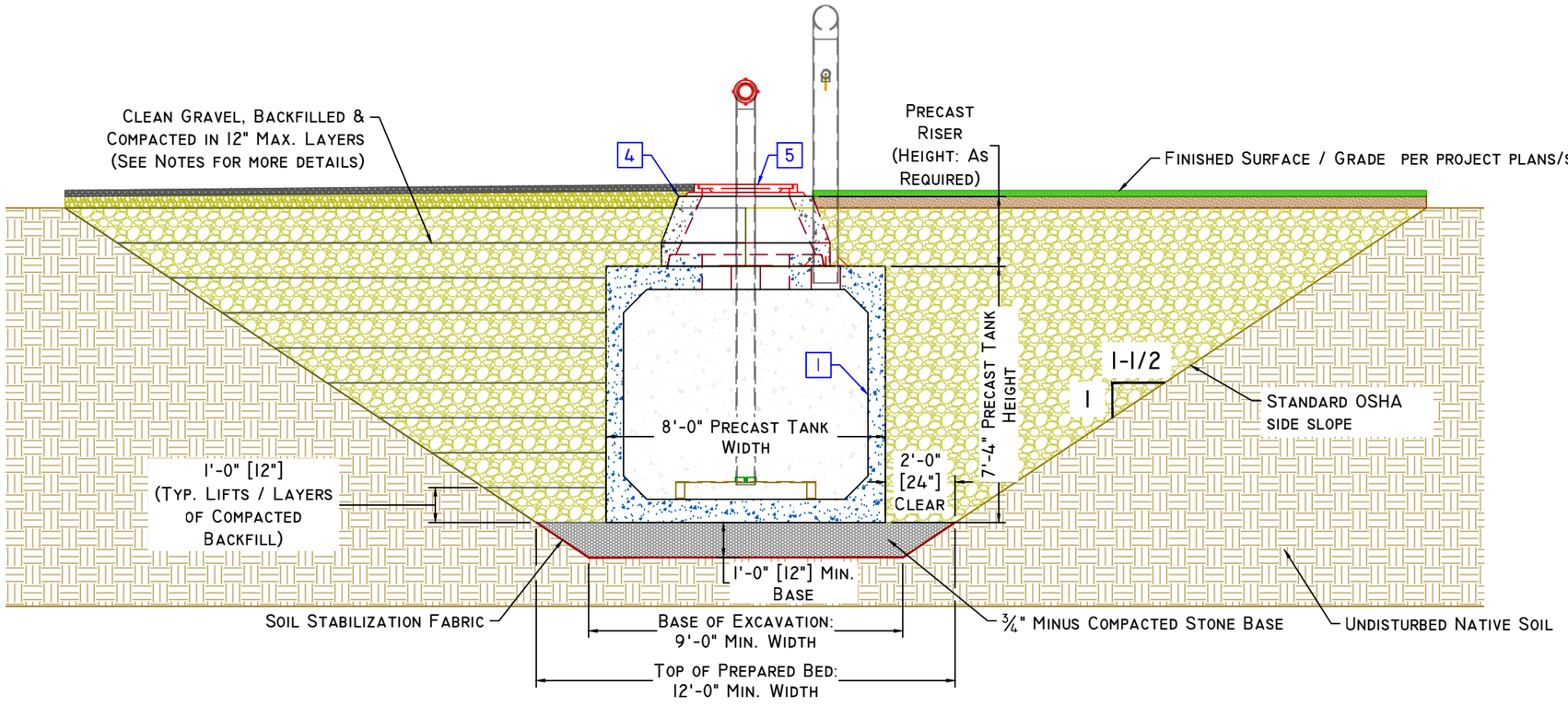
Excavation & Backfilling Details
for
Precast Commercial Tanks



End / Section View

American Concrete Industries
1717 Stillwater Ave. Veazie , ME
Tel: 207-947-8334
Fax: 207-947-3580

982 Minot Ave. Auburn, ME
Tel: 207-784-1388
Fax: 207-783-4039

ITEM	QTY	Bill Of Materials
		(Specific B.O.M. varies by project)
1	(1)	7'sx6'r (Int. Dim.) Precast Commercial Tank
		(# of sections / layout varies by project)
4	(1)	4'-0" x 2'-0" Manhole Eccentric Cone
		w/ 30"Ø Opening Weight: 1,920 #
5	(1)	30"Ø Frame & Cover

Design Notes:

1. Concrete
- 1.1. Comp. strength min. 5,000psi @ 28 days
- 1.2. Air-Entrainment: min. 5%-6%

2. Structural Reinforcement:
- 2.1. Bar per ASTM A615, Grade 60
- 2.2. Designed for H20 wheel load rating

3. Bar Clearance / Protection:
- 3.1. 1.5" CLR Unless otherwise noted

4. Manufacturing & Materials:
- 4.1. Joints sealed w/ Tylox SuperSeal rubber gasket
- 4.2. Capacity to 6" of tank ceiling

5. Excavation & Backfilling: (BY OTHERS)
- 5.1. Site Excavated with a 1-1/2 to 1 Side Slope to a Min. of 12" below base of Tank, with 24" Min. clear perimeter working area. *Depth of Excavation / Site Conditions may require Crane services to install tank.*
- 5.2. Prepared Base to be a 12" Min. thick level compacted bed of ¾" Minus stone with Soil Stabilization Fabric between Native Soil and Crushed Stone
- 5.3. Prepared Base to have 2000 PSF Min. Soil Bearing Capacity
- 5.4. Tank to be backfilled Prior to Water Testing
- 5.5. Backfill Process to start from the Ends, then to the sides and compacted evenly following standard construction procedures when backfilling, compacting in even 12" Maximum Layers.

SCALE: 1/4" = 1'-0" Unless Otherwise Noted

DRAWING NAME:	Typical Site Prep. - Commercial Tank
JOB NAME:	
LOCATION:	
CONTRACTOR:	
DRAWN BY: ABL	DATE: 03/16/2020
REV.#: 0.00	DATE: 00/00/00

SP-1.0