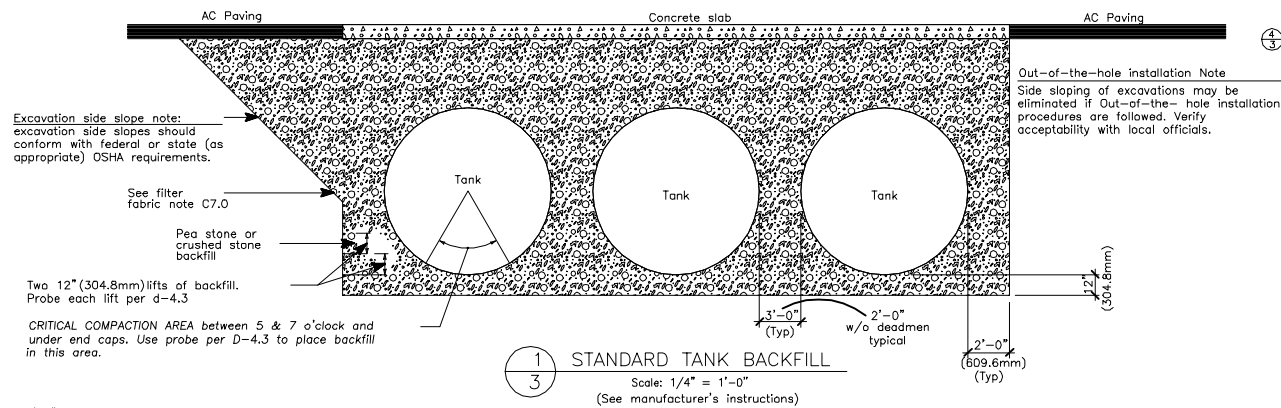


**Tank anchoring notes:**

Two alternatives exist to anchor tanks at sites that have known or are likely to have groundwater at elevations up to the surface. Contractor is to use the least cost alternative that is consistent with underground conditions at the site. Method selected shall be approved by ExxonMobil Representative prior to proceeding with work.

**Alternative 1**

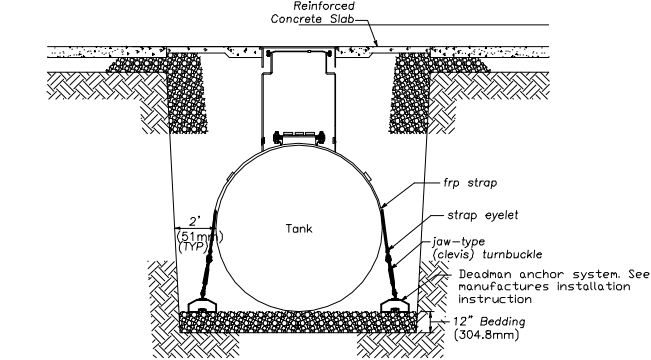
Install two deadman anchors per tank, per tank manufacturer's instructions. Tank slab 8" (199 mm) min. thickness, deadmen furnished by ExxonMobil with tank.

**Alternative 2**

Increase the depth of backfill per the chart below

Tank Burial Chart

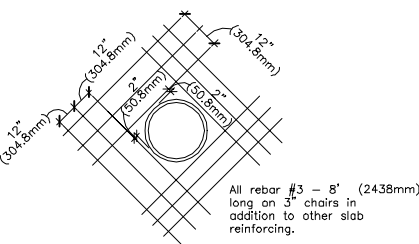
| Tank size - type | Burial with deadmen & 8" top slab | Burial 8" top slab only |
|------------------|-----------------------------------|-------------------------|
| 10 - 15 K        | 58"                               | 71"                     |
| 10 - 20 K (12+8) | 59"                               | 71"                     |
| 8 - 10 K         |                                   | 60"                     |



**Tank Dimensions Note:**

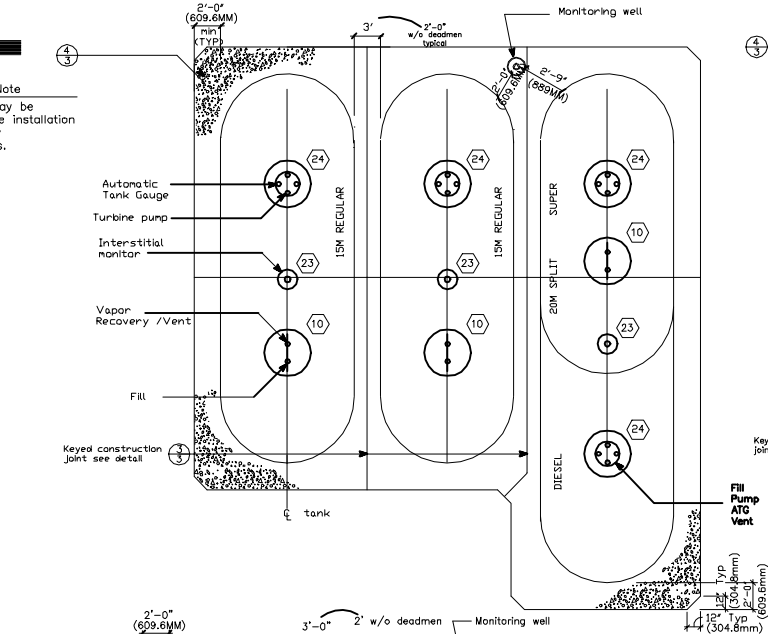
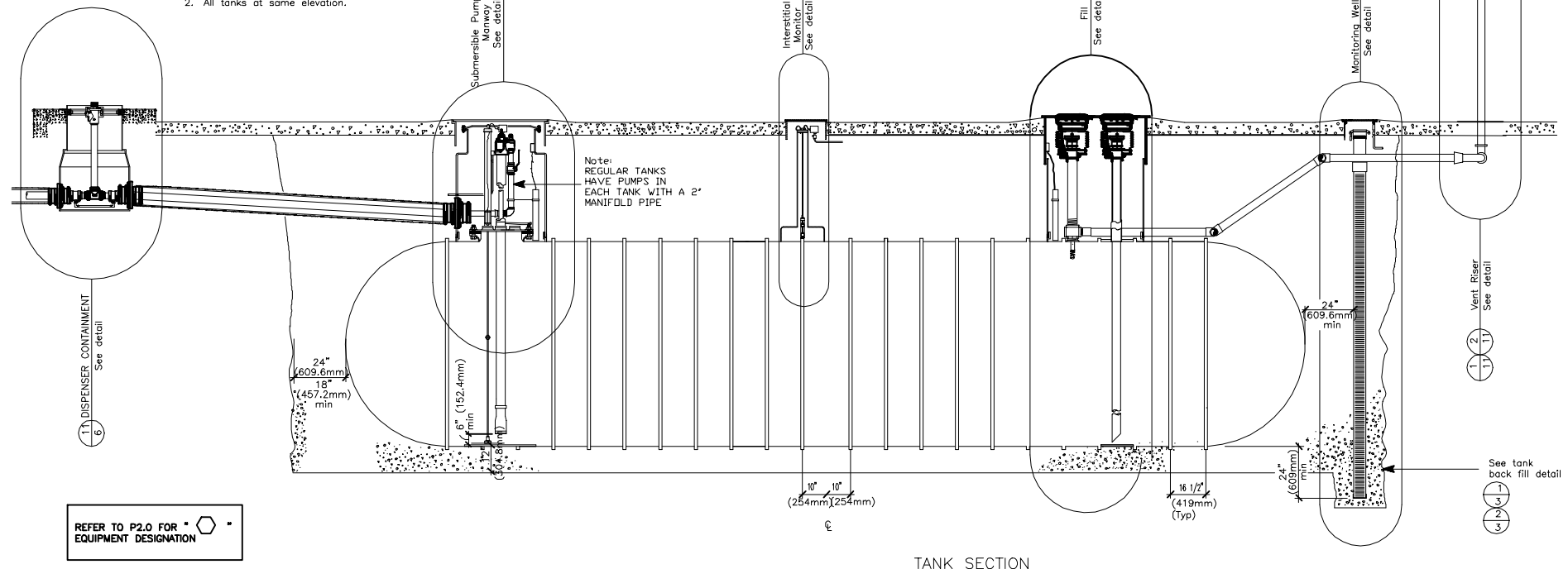
Soil Borings shall be reviewed for each installation. Contractors shall consider the use of 6" or 10" diameter tanks and/or compartmentalized tanks and use them whenever financially justifiable. All tank size changes shall be approved by the OWNERS Engineer.

| Tank Capacity                                               | 8" DIA. (2438mm) TANK LENGTH | 10" DIA. (2438mm) TANK LENGTH | 6" DIA. (2438mm) TANK LENGTH |
|-------------------------------------------------------------|------------------------------|-------------------------------|------------------------------|
| 8,000 (30283 l)                                             | 25'-0" (7620mm)              | N/A                           | 39'-1" (11913mm)             |
| 10,000 (37854 l)                                            | 30'-6" (9396mm)              | 21'-0" (6401mm)               | 47'-4" (14465mm)             |
| 12,000 (45425 l)                                            | 36'-0" (10973mm)             | 23'-8" (7212mm)               | N/A                          |
| 15,000 (56781 l)                                            | 44'-4" (13564mm)             | 29'-2" (8890mm)               | N/A                          |
| 20,000 (75708 l)                                            | N/A                          | 37'-5" (11435mm)              | N/A                          |
| 20,000 compartment (12M/8M) Double wall baffle (gas/diesel) | N/A                          | 36'-2" (11033mm)              | N/A                          |



**TANK INSTALLATION NOTES:**

- Slope tanks 1" with fill end low.
- All tanks at same elevation.



**TYPICAL TANK MAT LAYOUTS**

Scale: NTS

Fiberglass underground storage tanks. See yard plan and scope of work schedule on Sheet 1. For actual number and sizes of tank. Arrangement of manholes for all tank sizes is the same.

8" Concrete slab  
Concrete 4000 PSI reinforcing  
#3 Bars Each Way 12' on center

ExxonMobil  
A Division of Exxon Mobil Corporation

**U.S. Region Engineering**

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Houston, Texas 77036-1100

Project  
Tank, Piping, Dispenser and Related  
Electrical Installation Drawings

Project No.  
**70010D**

Drawing No.  
**P3.0**

R/S Number  
Design Type  
UST  
Building Type / Size  
Building Style  
Bldg. Code  
Scale  
Drawn By / Approved By  
File Name  
Date  
Issued For

JAK/LRG  
70010DP3  
1/10/05  
Standard