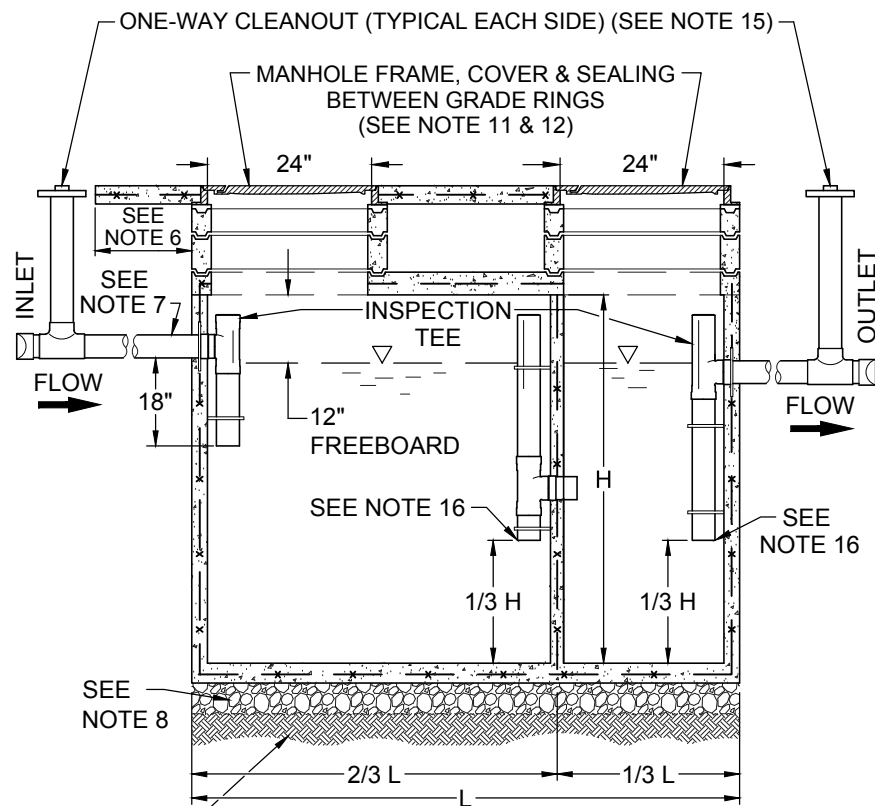


PLAN



SECTION A-A

SUBGRADE COMPACTED TO 95% (MIN)

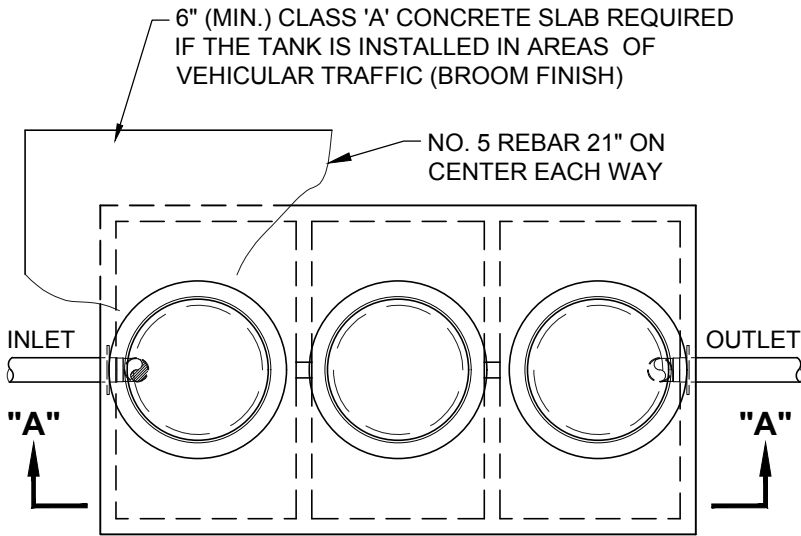
NOTES

1. Grease interceptors shall comply with the City of Yuma's current ordinance and the adopted plumbing code, as amended.
2. All grease interceptor designs shall be signed by a Registered Arizona Professional Engineer.
3. All new food service establishments shall be required to install minimum a 500 gallon outdoor grease interceptor unless granted a variance by the City of Yuma Utilities Division.
4. Tank capacity to be determined at the time of permit application.
5. The grease interceptor shall meet the following structural criteria:
 - a. Class A Concrete 28 day $f'c = 3,000$ psi
 - b. Rebar ASTM A615 Grade 60
 - c. Mesh ASTM A185
 - d. Design: ACI 318-14 (Current Building Code) ASTM C857 Minimum Structural Design Loading for Underground Precast Concrete Utility Structures
 - e. Loads: H20 Truck Wheel w/ 30% Impact per AASHTO
6. Concrete slab shall extend 24" (min.) beyond all sides of the tank in traffic areas.
7. Inlet and outlet shall be watertight to structure. A water stop consisting of a standard manhole adapter gasket shall be grouted into the walls around the inlet and outlet pipes. An asphalt caulking shall be used to seal all joints.
8. Place 12" (min.) ABC bedding material compacted to 100% under the tank.
9. All grease interceptors shall be located outside public right-of-way.
10. Grease interceptors shall be located where it will be accessible to waste hauler pumps.
11. Manhole covers and grade rings shall be installed in accordance with Standard No. 6-040.
12. Manholes shall have built in gaskets and shall be gastight and watertight when in place.
13. All surface waters shall drain away from manholes.
14. Not approved for use inside an enclosed building. Tank shall be a minimum of 2-feet outside of building foundation.
15. All wyes shall be one-way cleanouts wyes, sweeping away from grease interceptor except as noted by the adopted plumbing code.
16. The outlet down draft tube shall be located $1/3$ of the total interceptor height from the bottom.

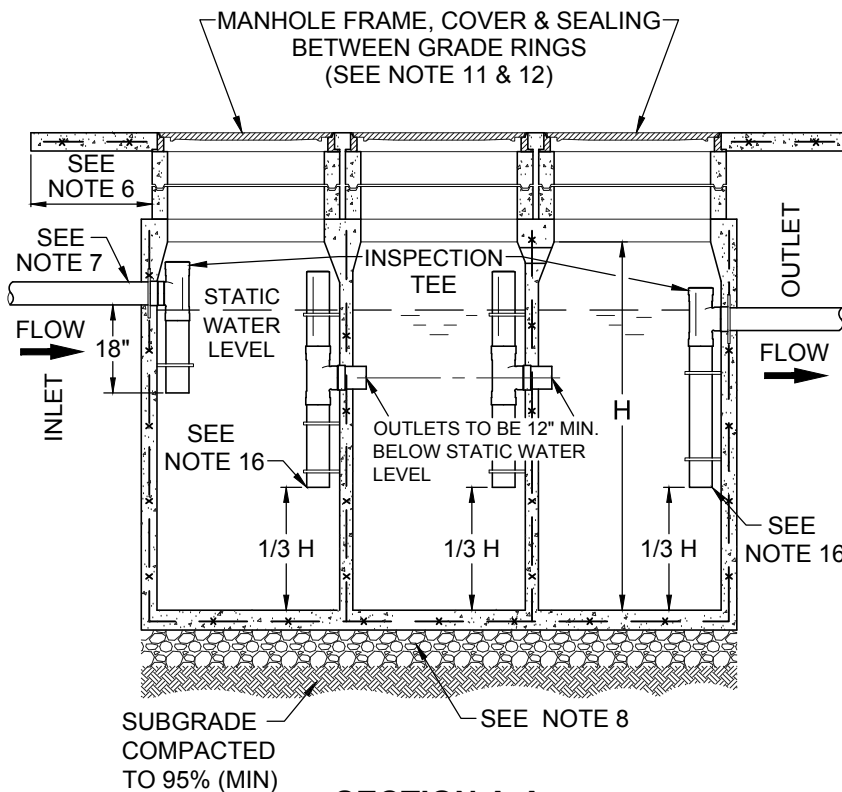
Issued: May 2019

CITY OF YUMA
CONSTRUCTION STANDARD DETAIL DRAWINGS

**STANDARD NO. 6-100
TWO STAGE GREASE
INTERCEPTOR**



PLAN



SECTION A-A

NOTES

1. Grease interceptors shall comply with the City of Yuma's current ordinance and the adopted plumbing code, as amended.
2. All grease interceptor designs shall be signed by a Registered Arizona Professional Engineer.
3. All new food service establishments shall be required to install minimum a 500 gallon outdoor grease interceptor unless granted a variance by the City of Yuma Utilities Division.
4. Tank capacity to be determined at the time of permit application.
5. The grease interceptor shall meet the following structural criteria:
 - a. Class A Concrete 28 day $f_c = 3,000$ psi
 - b. Rebar ASTM A615 Grade 60
 - c. Mesh ASTM A185
 - d. Design: ACI 318-14 (Current Building Code) ASTM C857 Minimum Structural Design Loading for Underground Precast Concrete Utility Structures
 - e. Loads: H20 Truck Wheel w/ 30% Impact per AASHTO
6. Concrete slab shall extend 24" (min.) beyond all sides of the tank in traffic areas.
7. Inlet and outlet shall be watertight to structure. A water stop consisting of a standard manhole adapter gasket shall be grouted into the walls around the inlet and outlet pipes. An asphalt caulking shall be used to seal all joints.
8. Place 12" (min.) ABC bedding material compacted to 100% under the tank.
9. All grease interceptors shall be located outside public right-of-way.
10. Grease interceptors shall be located where it will be accessible to waste hauler pumpers.
11. Manhole covers and grade rings shall be installed in accordance with Standard No. 6-040.
12. Manholes shall have built in gaskets and shall be gastight and watertight when in place.
13. All surface waters shall drain away from manholes.
14. Not approved for use inside an enclosed building. Tank shall be a minimum of 2-feet outside of building foundation.
15. All wyes shall be one-way cleanouts wyes, sweeping away from grease interceptor except as noted by the adopted plumbing code.
16. The outlet down draft tube shall be located 1/3 of the total tank height from the bottom.

Issued: May 2019

CITY OF YUMA
CONSTRUCTION STANDARD DETAIL DRAWINGS

**STANDARD NO. 6-105
THREE STAGE
GREASE INTERCEPTOR**