



PUBLIC WORKS DEPARTMENT

CITY OF PORTSMOUTH
680 Peverly Hill Road, Portsmouth, NH 03801
portsmouthnh.gov
(603) 427-1530

FATS, OILS, AND GREASE (FOG) PROGRAM

1. Grease removal systems are required for all connections to the POTW from Food Service Establishment (FSE) operations including, but not limited to, restaurants, cafeterias, nursing homes, schools, hospitals, or other connections which discharge or have the potential to discharge quantities of grease to the POTW.
 - A. Any FSE required to have a grease removal system shall install:
 - a. An outdoor passive in-ground grease interceptor, minimum 1,000 gallons, where available exterior space exists, or;
 - b. An indoor passive grease trap sized appropriately for the food service if:
 - i. It can be demonstrated that no exterior space exists, and/or
 - ii. The City determines the food service provided is too limited to warrant the protection of an exterior 1,000 gallon interceptor.
 - B. No wastewater, other than from kitchen fixtures or food processing equipment, shall discharge into the grease removal system. Wastewater from sanitary sources such as toilets and bathroom sinks is prohibited from being discharged to the grease removal system.
 - C. Grease interceptors and grease traps shall be cleaned by a professional cleaning service at a minimum:
 - a. Exterior belowground grease interceptors; **Quarterly** (every three months), unless the Department has specified in writing an irregular cleaning schedule for an establishment;
 - b. Interior grease traps; **Monthly**, unless the Department has specified in writing an irregular cleaning schedule for an establishment;
 - D. Records of the dates of cleaning and means of disposal shall be maintained for a period of five years;

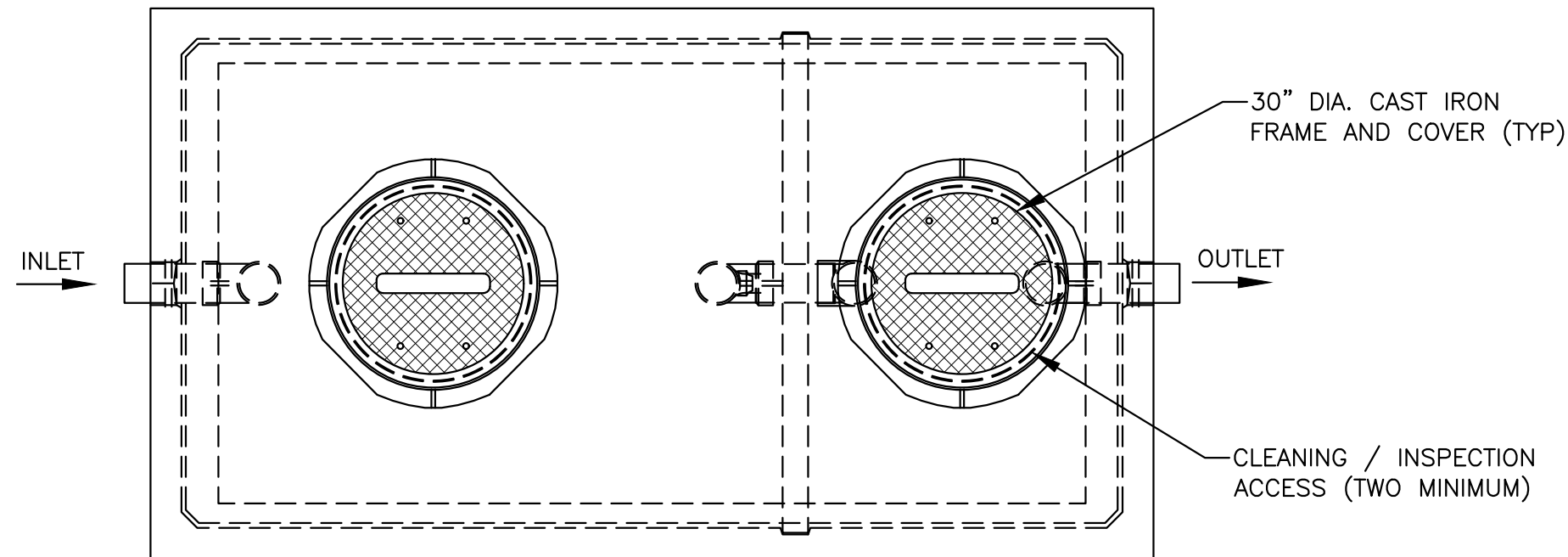
- E. All wastewater from food preparation operations and/or washing and clean-up operations, including, but not limited to, pot sinks, pre-rinse stations, work stations, soup kettles, braising pans, mop sinks and wastewater generated from exhaust fan hood cleaning operations shall discharge to the grease removal system. All automatic dishwasher wastewater, excluding pre-rinse stations, shall bypass the grease removal device and be discharged directly into the sewer system.
- 2. No FSE conducting food preparation or food processing operations shall discharge wastewater into the POTW without first obtaining a FOG program permit.

FOG Program Permits are renewed annually during the month of September. Application is available via the City of Portsmouth Online Permitting Site, Public Works page: <https://portsmouthnh.portal.opengov.com/categories/1079>

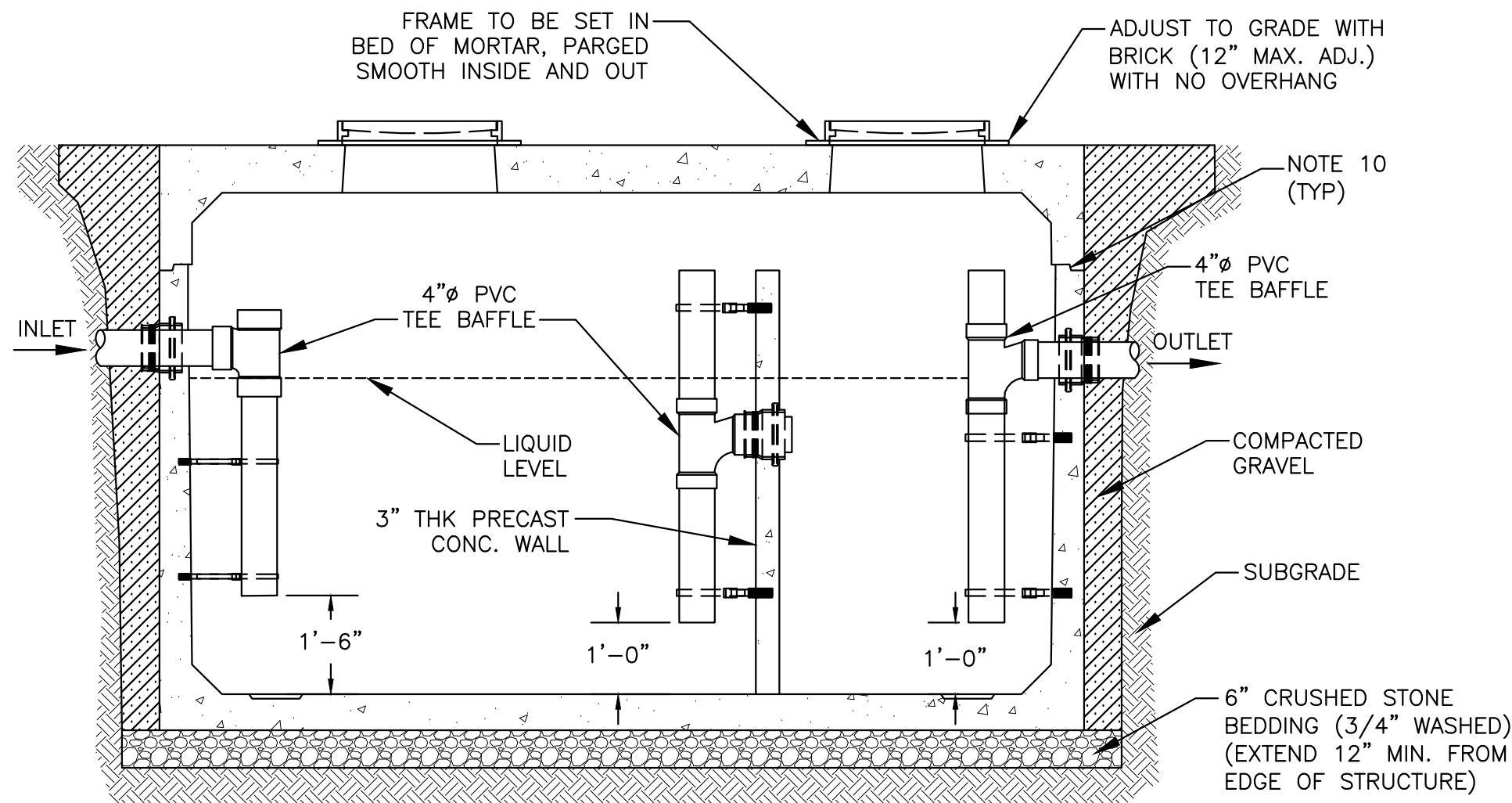
- 3. Operators wishing to be evaluated for an irregular cleaning schedule can contact:

William Bernan, Industrial Pretreatment Coordinator
wcbernan@portsmouthnh.gov
603-380-4597

- 4. Grease interceptors proposed for installation must comply with the standards set in the attached Standard Detail figures, below.



PLAN VIEW



SECTION VIEW

NOTES:

1. DETAIL PROVIDES GENERAL REQUIREMENTS BY THE CITY OF PORTSMOUTH. SIZE (GALLONS) AND DIMENSIONS SHALL BE DETERMINED BY THE DESIGNER AND APPROVED BY THE CITY. 1000-GAL (MINIMUM).
2. COORDINATE WITH CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS FOR THE FOLLOWING ITEMS (BUT NOT LIMITED TO): APPROVALS, TESTING, INSTALLATION, INSPECTIONS, PUMPING & MAINTENANCE, AND LOCATION OF INSTALLATION.
3. FRAMES AND COVERS: ALL FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN (HS-20 LOAD RATING) AND PROVIDE 30" CLEAR OPENING. A 3-INCH (MIN. HEIGHT) WORD "SEWER" SHALL BE PLAINLY CAST INTO THE CENTER OF EACH COVER. CASTING SHALL COMPLY WITH ASTM A48.
4. ADJUSTMENTS OF FRAME TO GRADE SHALL BE DONE WITH BRICK MASONRY COMPLYING TO ASTM C32.
5. REINFORCING STEEL SHALL CONFORM TO LATEST ASTM SPECIFICATIONS ASTM-A615 GRADE 60.
6. CONCRETE SHALL HAVE A DESIGN STRENGTH OF 5,000psi AT 28 DAYS (MIN.) w/AIR ENTRAINMENT OF 4% TO 6%.
7. DESIGN LOAD SHALL BE AASHTO-HS20-44, ASTM C-890-06.
8. TANK PENETRATIONS SHALL BE INTEGRALLY CAST.
9. FLEXIBLE SLEEVES SHALL BE PROVIDED AT ALL PIPE CONNECTIONS.
10. JOINTS SHALL BE SEALED WITH TWO LAYERS OF BUTYL RUBBER SEALANT.
11. BITUMINOUS WATERPROOF COATING SHALL BE APPLIED TO ENTIRE EXTERIOR OF STRUCTURE.
12. FILL LIFT ANCHORS WITH GROUT.
13. TANK SHALL BE VACUUM TESTED PRIOR TO OPERATION.

DUAL COMPARTMENT GREASE
INTERCEPTOR
SCALE: N.T.S

REFERENCES:
CITY OF
PORTSMOUTH
STANDARD
TECHNICAL
SPECIFICATIONS

DEPARTMENT OF
PUBLIC WORKS
CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530

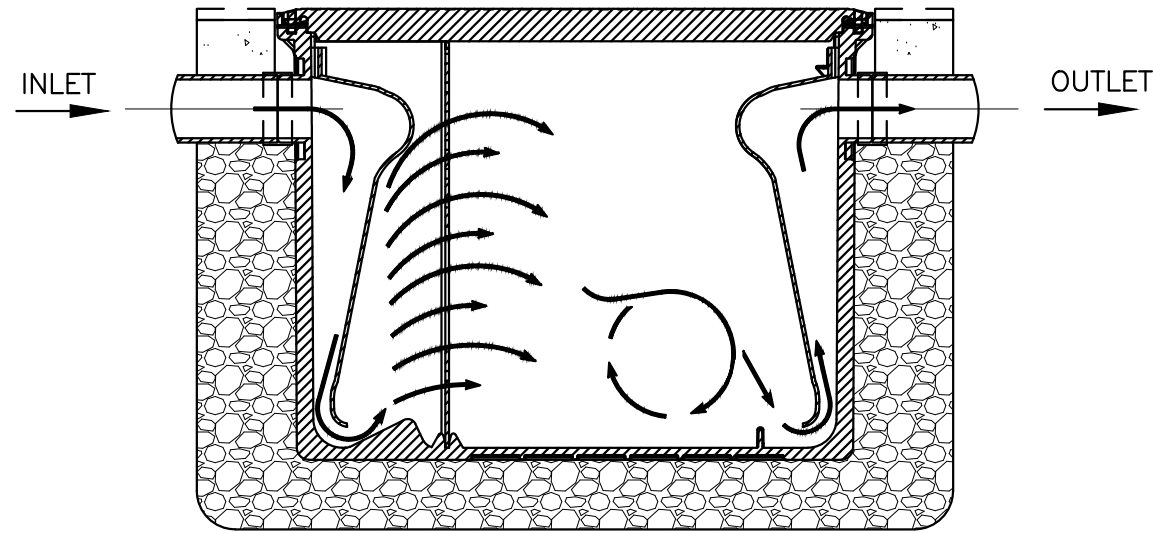


DATE: 06/10/2025
SCALE: NONE
PROJ. NO.: N/A
APVD BY: [XXX]

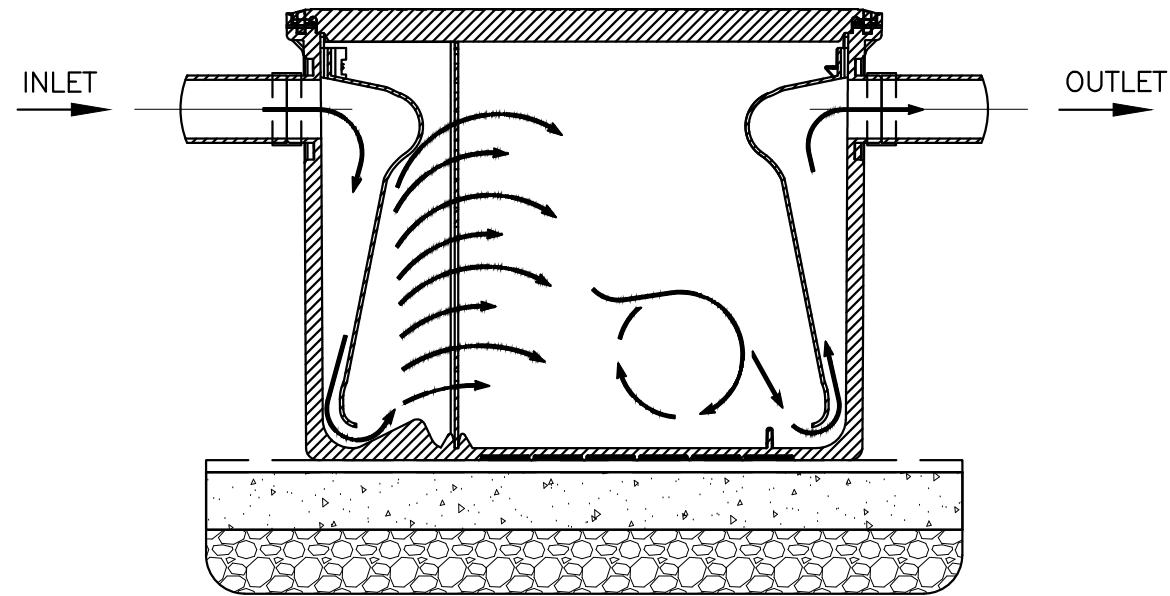
PROJECT:
CITY OF PORTSMOUTH
STANDARD DETAILS

TITLE: DUAL COMPARTMENT GREASE
INTERCEPTOR

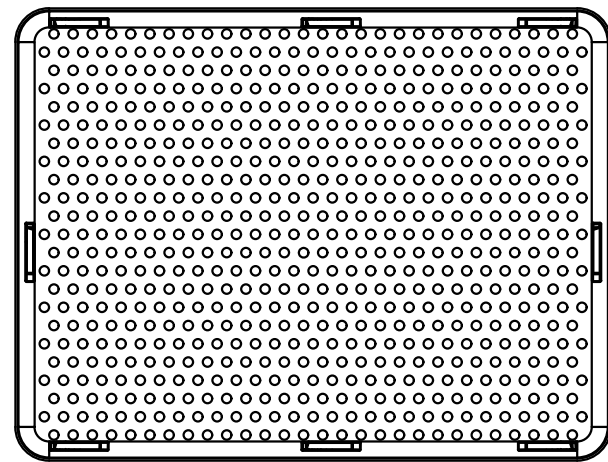
SHEET:
S-009



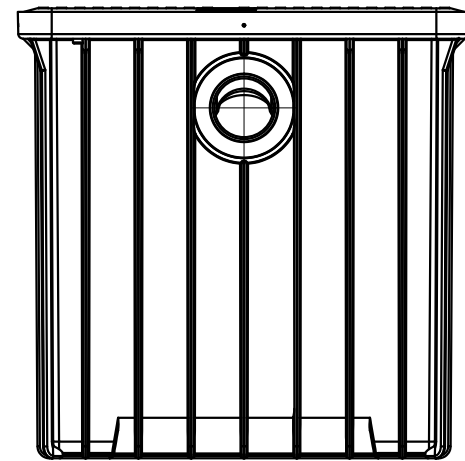
IN-FLOOR INSTALLATION



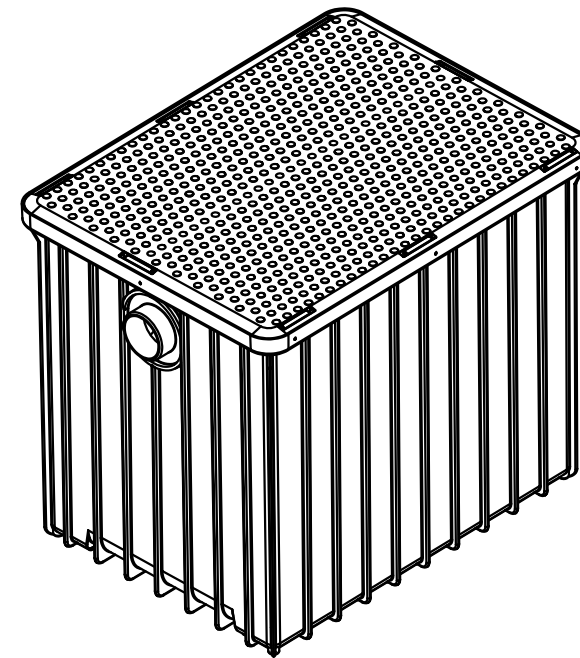
ON-FLOOR INSTALLATION



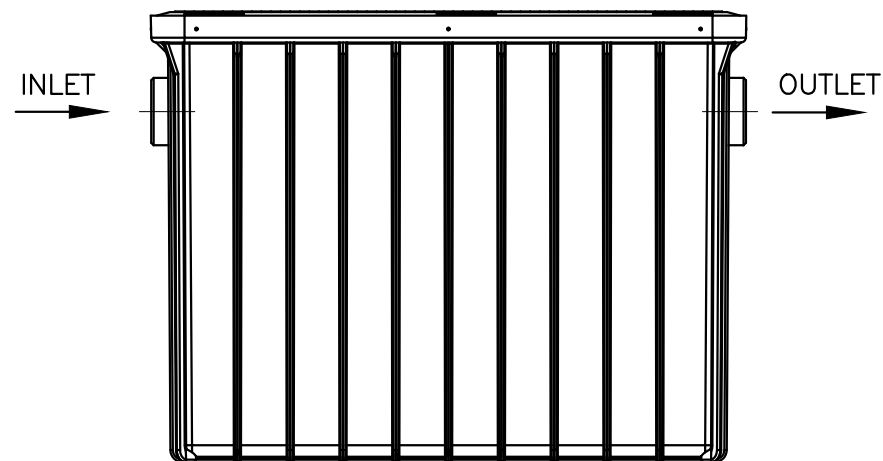
PLAN VIEW



SIDE VIEW



ISO VIEW



FRONT VIEW

INTERIOR GREASE TRAP
SCALE: N.T.S

NOTES:

1. DETAIL PROVIDES GENERAL REQUIREMENTS BY THE CITY OF PORTSMOUTH. PASSIVE GREASE TRAPS ONLY (NO AGRUs). ALL GREASE TRAPS MUST BE REVIEWED AND APPROVED BY THE CITY.
2. SIZE (GALLONS) AND DIMENSIONS SHALL BE DETERMINED BY THE DESIGNER. MINIMUM SIZE TYPICALLY NOT BELOW 50GMP/100LB. SIZE MUST BE CALCULATED BASED ON SEATING CAPACITY, MENU, HOURS OF OPERATION, AND FLATWARE OR DISPOSABLES.
3. COORDINATE WITH CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS FOR THE FOLLOWING ITEMS (BUT NOT LIMITED TO): APPROVALS, TESTING, INSTALLATION, INSPECTIONS, PUMPING & MAINTENANCE, AND LOCATION OF INSTALLATION.
4. TANK SHALL BE VACUUM TESTED PRIOR TO OPERATION.
5. TANKS SHALL BE SEAMLESS, WATERTIGHT AND NON-DEGRADING. PREFERRED MATERIAL IS PLASTIC.
6. EXAMPLE MANUFACTURERS:
 - A. CANPLAS ENDURA (MODEL 3950A04)
 - B. SCHIER GREAT BASIN
 - C. ZURN ELKAY GT2702-50
 - D. OR APPROVED EQUAL
7. WHEN A FLOW CONTROL DEVICE IS REQUIRED WITH THE SELECTED TRAP, IT MUST BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CANNOT BE OMITTED.

REFERENCES:
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CITY OF PORTSMOUTH
STANDARD DETAILS

INTERIOR GREASE TRAP

PROJECT:
SHEET:
S-010