

N.T.S.

NOTES:

2 Non Penetrating -

Pickholes.

1. U.S. Foundry No. 117 Ring and BL Cover, or equal, if approved by City of Clearwater Engineer.

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SOLID COVER

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- 2. Private manhole covers must not say "Clearwater" on them.
- 3. Ring must be centered on opening.

Year of Installation-

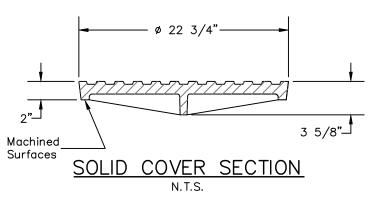
- 4. Install 18 gauge 304 stainless steel manhole storm water inflow abatement insert (dish/pan).
- 5. See also City of Clearwater's Technical Specification Section IV.

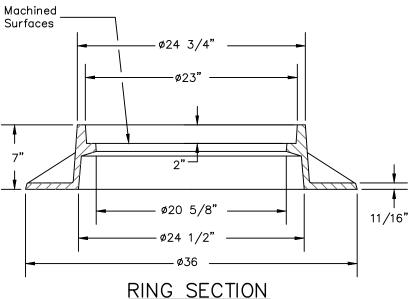
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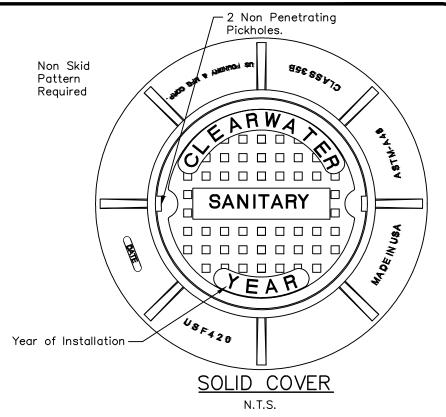
CITY OF CLEARWATER
ENGINEERING DEPARTMENT
SANITARY SEWER
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SANITARY SEWER MANHOLE COVER NON-ROADWAY APPLICATION

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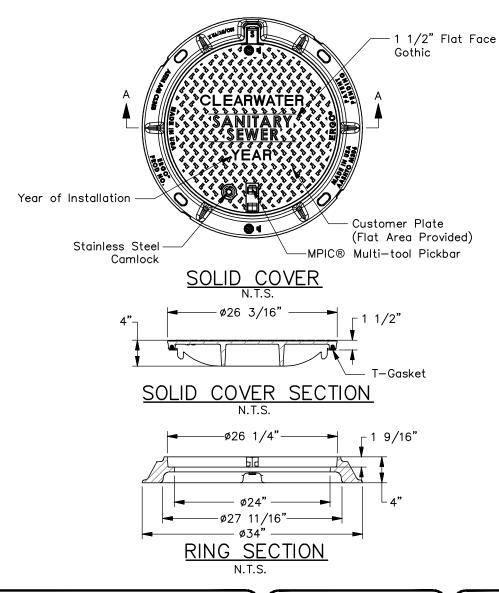
- 1. Where roadway base is 8" or thicker, use 9" ring.
- 2. Manufacturer's model USF 420 Ring & G Cover, or equal, if approved by City of Clearwater Engineer.
- 3. Heavy Traffic (Multi-lane) with cover located in travel lane will require ring and cover by EJ Group ERGO Assembly, Product Number 00104083L0 or equal, See Index 301 Page 3 of 3.
- 4. Private manhole covers must not say "Clearwater" on them.
- 5. Ring must be centered on opening.
- 6. Install 18 gauge 304 stainless steel manhole storm water inflow abatement insert (dish/pan).
- 7. See also City of Clearwater's Technical Specification Section IV.

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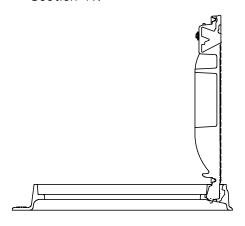
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SANITARY SEWER MANHOLE COVER FOR ROADWAY APPLICATION

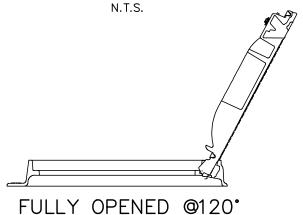
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- 1. Manufacturer's model: EJ Group ERGO Assembly, Product Number 00104083L01 or equal, if approved by City of Clearwater Engineer.
- 2. See also City of Clearwater's Technical Specification Section IV.



SAFETY LOCK @90°

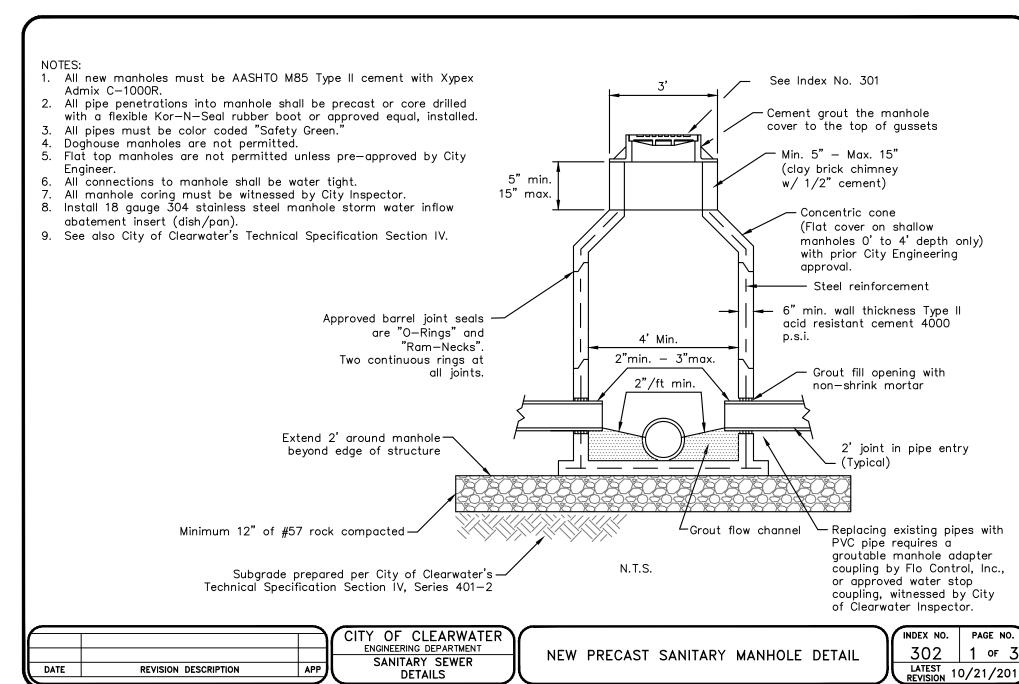


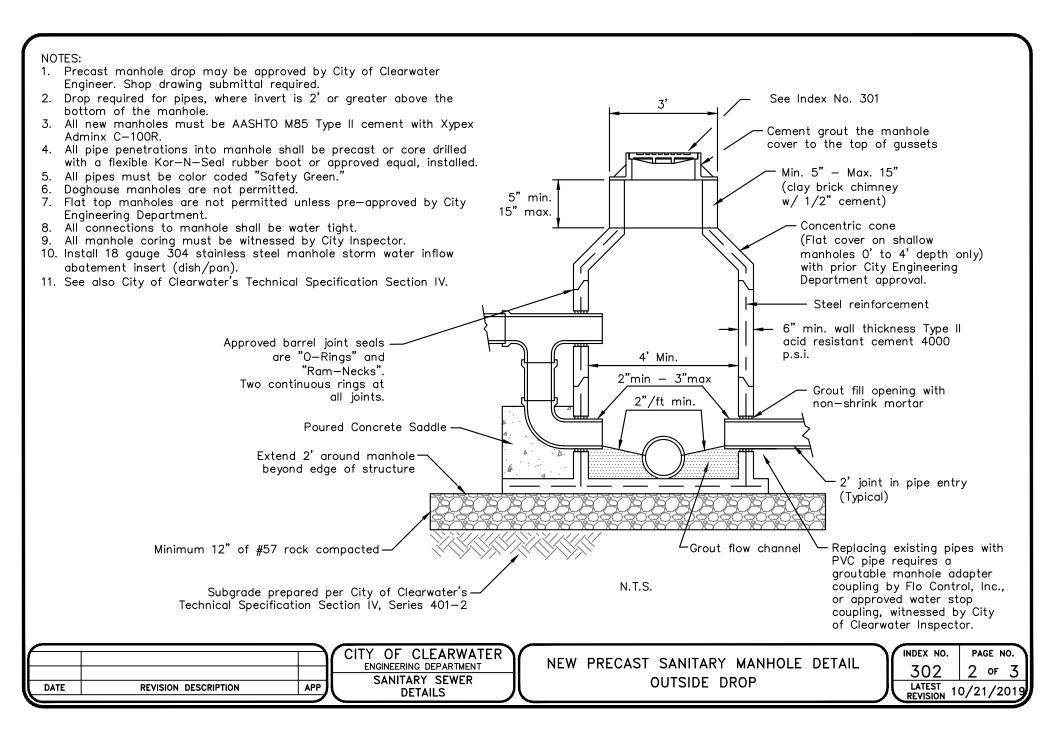
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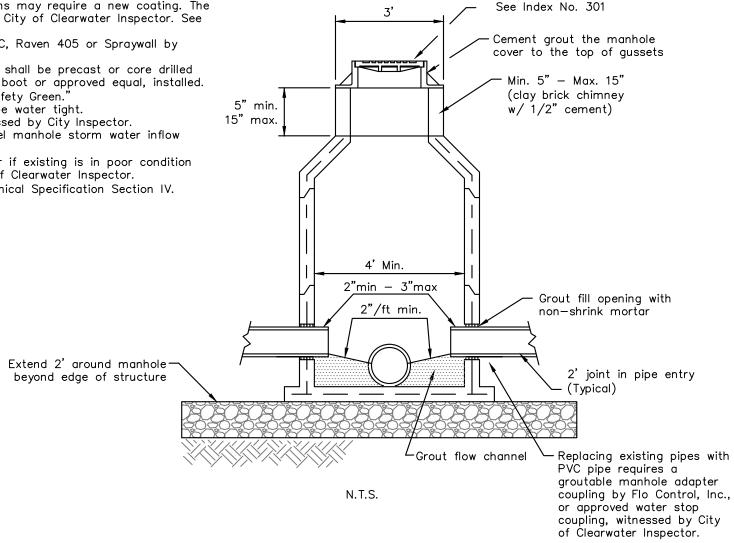
SANITARY SEWER MANHOLE COVER FOR ROADWAY APPLICATION FOR FDOT ROADWAY

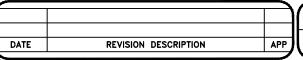
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- Any new manhole cores/connections may require a new coating. The new coating will be determined by City of Clearwater Inspector. See Note 2.
- 2. Interior shall be Strong Seal MS 2C, Raven 405 or Spraywall by Sprayrog.
- 3. All pipe penetrations into manhole shall be precast or core drilled with a flexible Kor—N—Seal rubber boot or approved equal, installed.
- 4. All pipes must be color coded "Safety Green."
- 5. All connections to manhole shall be water tight.
- 6. All manhole coring must be witnessed by City Inspector.
- 7. Install 18 gauge 304 stainless steel manhole storm water inflow abatement insert (dish/pan).
- 8. Contractor to replace ring & cover if existing is in poor condition which will be determined by City of Clearwater Inspector.
- 9. See also City of Clearwater's Technical Specification Section IV.

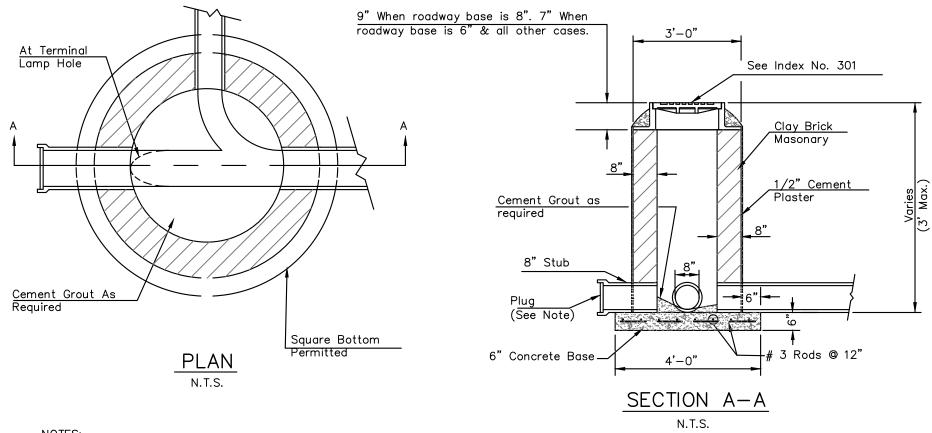




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EXISTING SANITARY MANHOLE DETAIL

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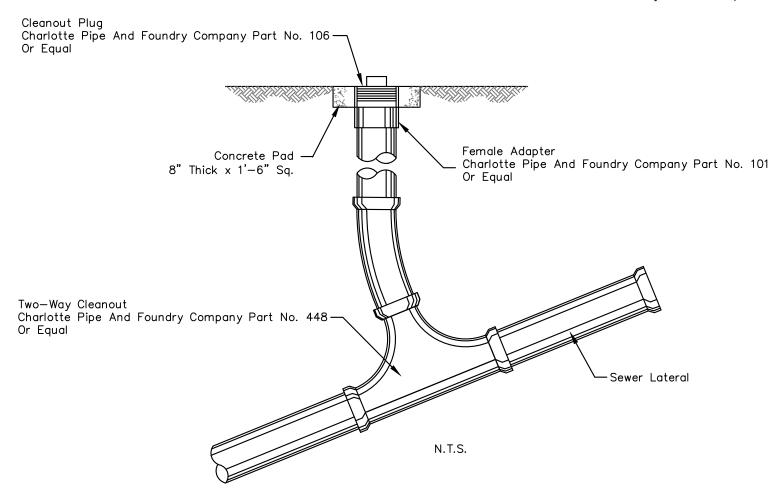
- Lamp holes shall have a waterproof bituminous coating on the exterior, Koppers Bitumastic Black 300M, or equivalent.
 Plug to be plastic with "O" ring or VC with "O" ring.
 P.V.C. pipe entry requires transite manhole coupling accessory by Johns
- Manville or equal approved water stop coupling.

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SANITARY SEWER LAMP HOLE **DETAIL**

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NOTE Cleanout Plug Cover for traffic areas to be U.S. Foundry 7623 Or Equal.

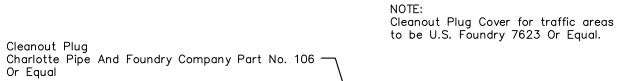


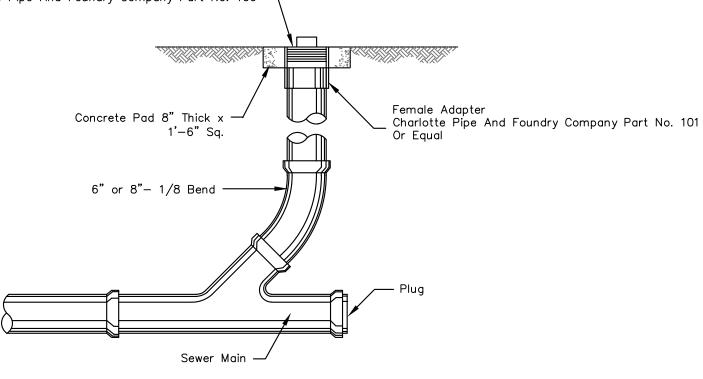
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STANDARD CLEANOUT (SANITARY)

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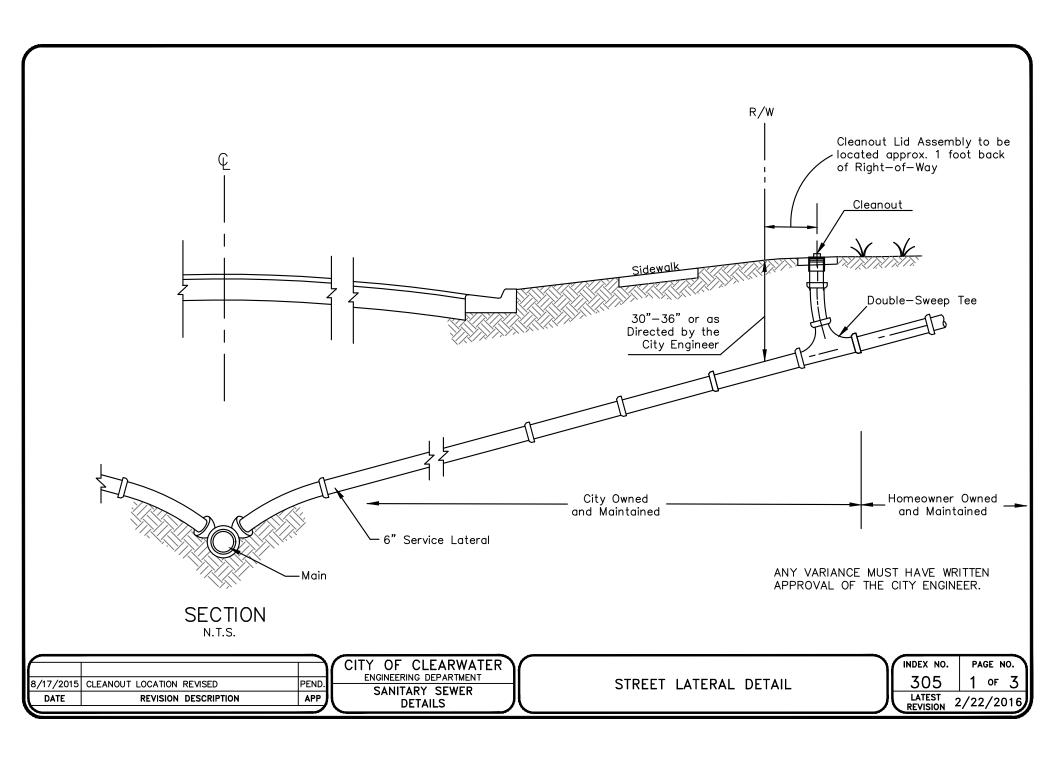


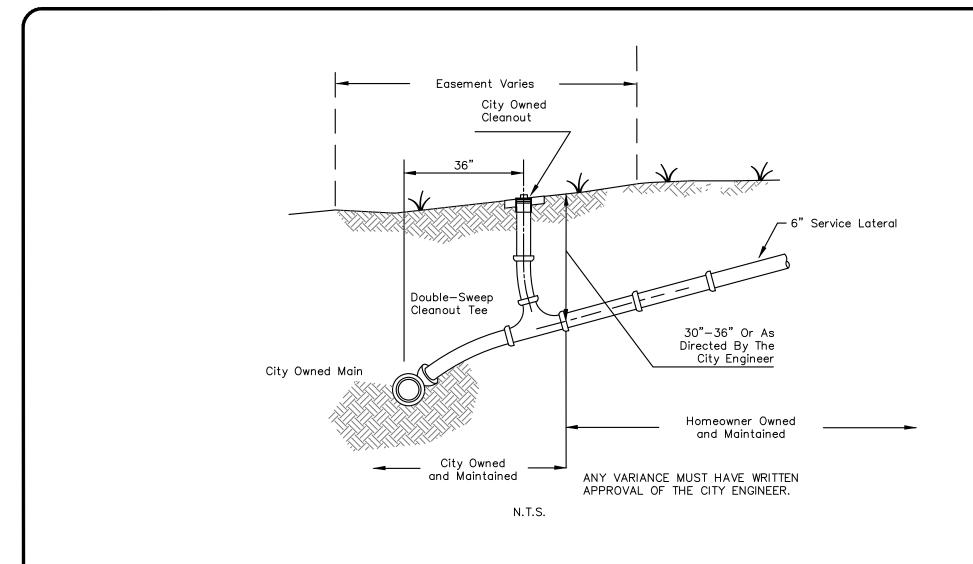
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STANDARD TERMINAL END CLEANOUT (SANITARY)

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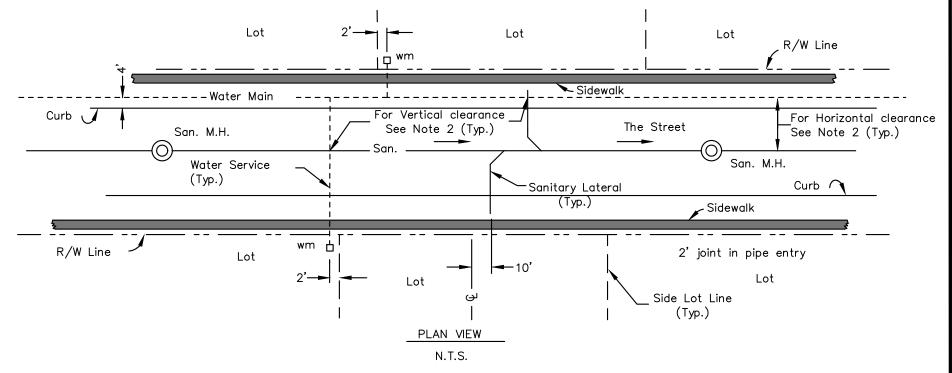


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EASEMENT AREA LATERAL DETAIL

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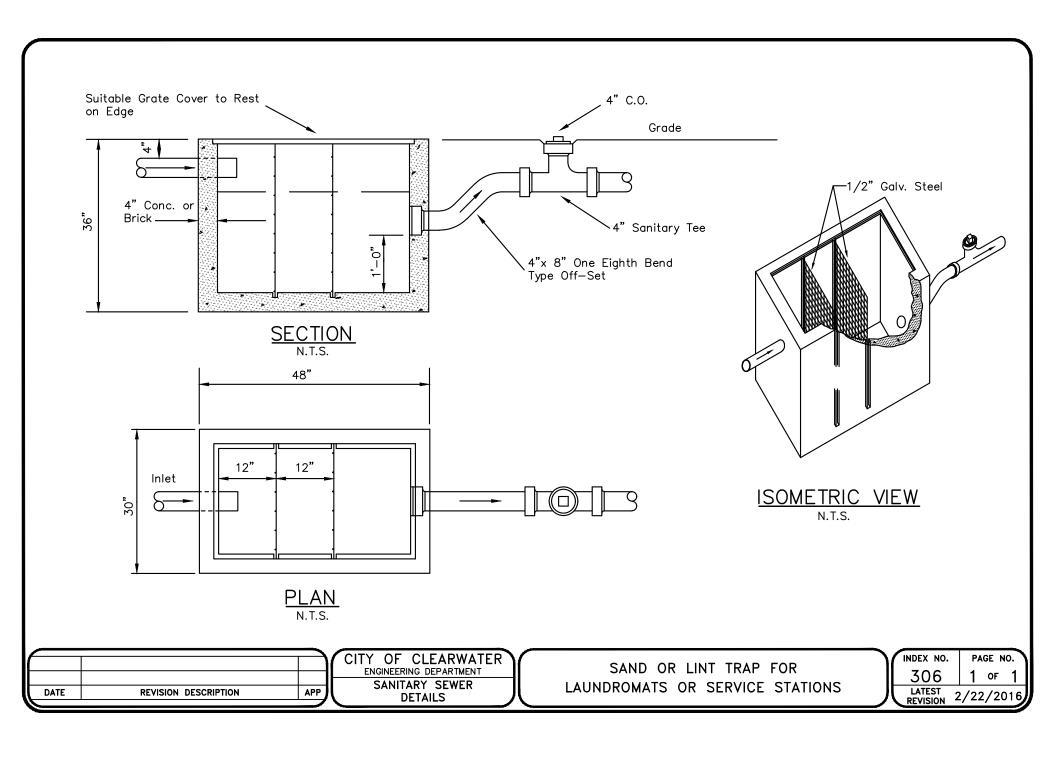
- 1. Sanitary laterals to be within 10' of center of lot on downhill side of center of lot.
- 2. Vertical and horizontal clearance between potable water main and sanitary sewer lateral at each intersection to be per FDEP requirements. (See F.A.C. Rule 62-555)

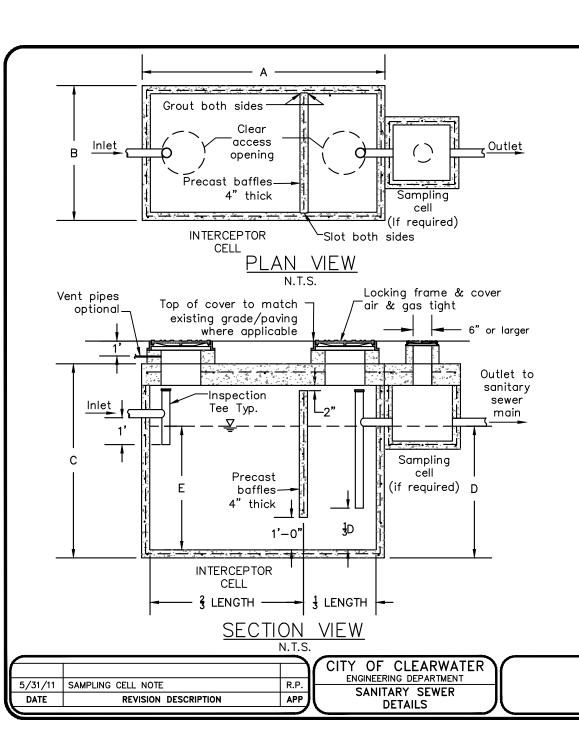
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SANITARY LATERAL LOCATIONS

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INTERCEPTOR CELL SIZING CHART						
GALLON CAPACITY	Α	В	С	D	E	
750	7'-0"	4'-8"	7'-0"	4'-3"	3'-11"	
1000	9'-0"	5'-0"	7'-2"	4'-2"	3'-10"	
1250	9'-0"	5'-0"	7'-2"	5'-2"	4'-10"	

GENERAL NOTES:

- The interceptor system may consist of multiple interceptor cells, if required greater than 1250 gallon capacity.
- 2. One sampling cell per system shall be installed at outfall to main, only if required.
- Concrete wall coating taking into consideration the water—oil mix.
- 4. Contractor to supply & install all piping and sanitary tee's, clean—outs for cleaning toward and away from interceptor (alternate dual sweep clean—outs).
- 5. Contractor shall assure 2,500 PSI minimum soil bearing capacity at bedding elevation.

NOTES:

- 1. Concrete: 4500psi at 28 day.
- 2. Rebar: ASTM A615 Grade 60.
- 3. Mesh: ASTM A815 Grade 65.
- 4. Design: ACI3 18—83 Building Code ASTM C857 Minimum Structural Design Loading for Underground Precast Concrete Utility Structures
- 5. Loads: H-20 truck wheels w/30% impact per AASHTO.
- 6. Fill w/clean water prior to start up of system.
- 7. Gray water only, black water shall be carried by separate sewer.

GREASE INTERCEPTOR 750-1250 GALLON

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