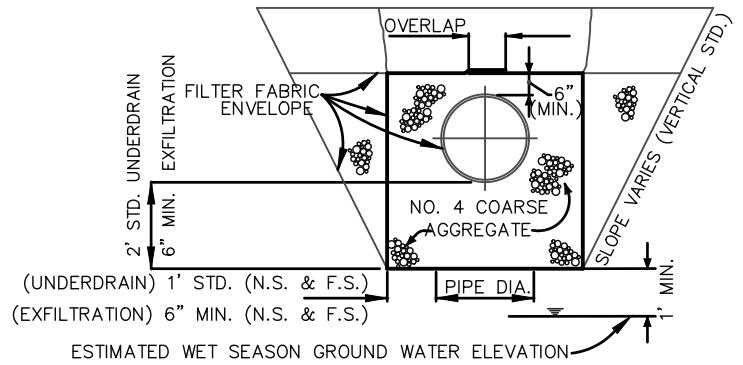
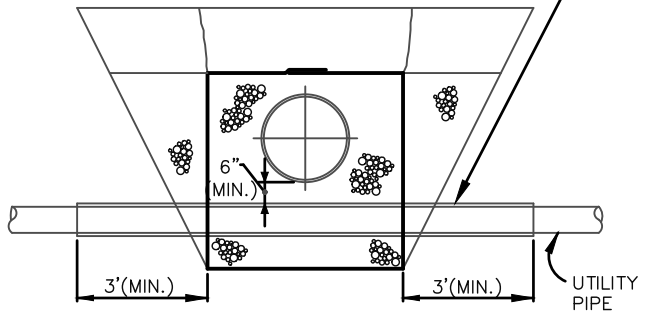


STEEL, CAST OR DUCTILE IRON SLEEVE. ONLY CAST IRON AND DUCTILE IRON SANITARY SEWER AND WATER MAINS, AND STEEL WATER MAINS WILL BE ALLOWED TO PASS DIRECTLY THROUGH UNDER DRAIN (WITHOUT SLEEVE).

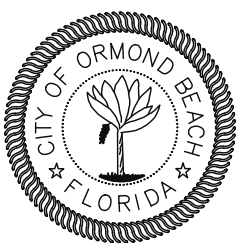


UNDER DRAIN AND EXFILTRATION SYSTEMS

NOT TO SCALE

NOTES:

1. UNDER DRAIN AND FILTRATION SYSTEMS SHALL CONSIST OF PERFORATED OR SLOTTED PIPE WRAPPED IN A FILTER FABRIC SLEEVE AND SURROUNDED BY FILTER AGGREGATE ALSO WRAPPED WITH FILTER FABRIC. EXFILTRATION SYSTEM REQUIRES FILTER FABRIC AT AGGREGATE ENVELOPES ONLY.
2. FILTER AGGREGATE SHALL BE GRAVEL, SLAG, CRUSHED ROCK, OR CRUSHED STONE CONFORMING TO THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR COARSE AGGREGATE, #4 STONE.
3. FILTER FABRIC SHALL BE A NON WOVEN FABRIC MADE FROM POLYETHYLENE OR POLYPROPYLENE. THE FABRIC SHALL BE INERT TO MOST SOIL CHEMICALS, RESISTANT TO ACIDS AND ALKALIS WITHIN A pH RANGE OF THREE (3) TO ELEVEN (11), AND NON BIODEGRADABLE. FILTER FABRIC SHALL WEIGH AT LEAST SIX (6) OUNCES PER SQUARE YARD AND SHALL BE AT LEAST FIFTY (50) MILS THICK.
4. INLET SUMP/SKIMMER OR EQUIVALENT PRETREATMENT IS REQUIRED FOR EXFILTRATION SYSTEM.
5. COMMERCIAL CHAMBER DETENTION SYSTEMS MAY BE SUBSTITUTED FOR THE PERFORATED PIPE EXFILTRATION SYSTEMS WITH THE APPROVAL OF THE CITY ENGINEER.



STANDARD CONSTRUCTION DETAIL

UNDER DRAIN AND EXFILTRATION SYSTEMS

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MAY 2020