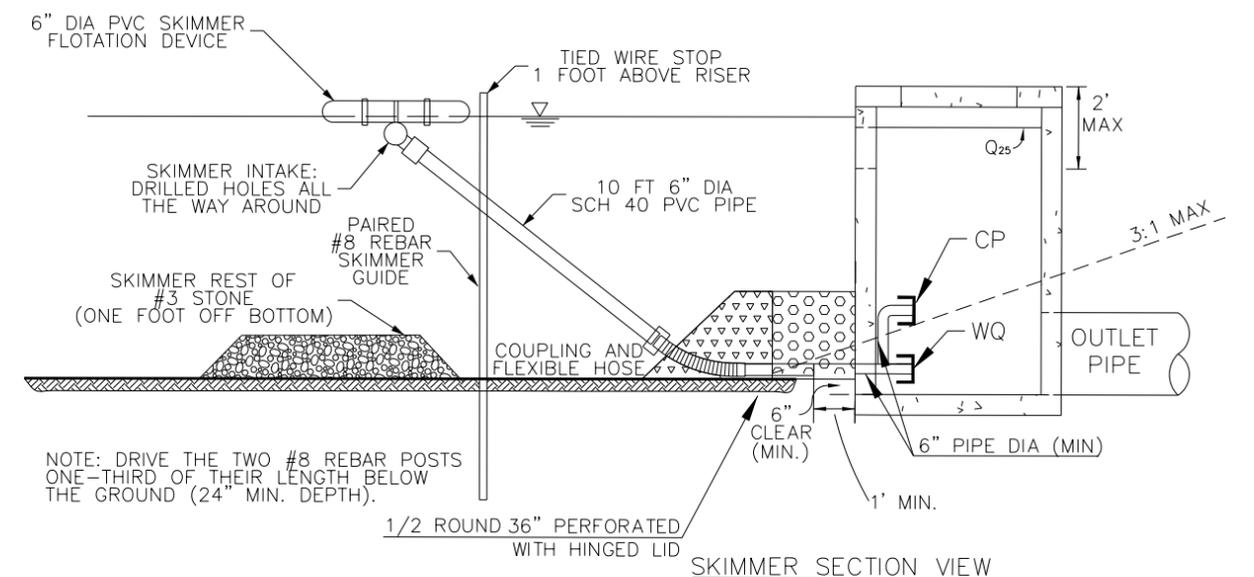
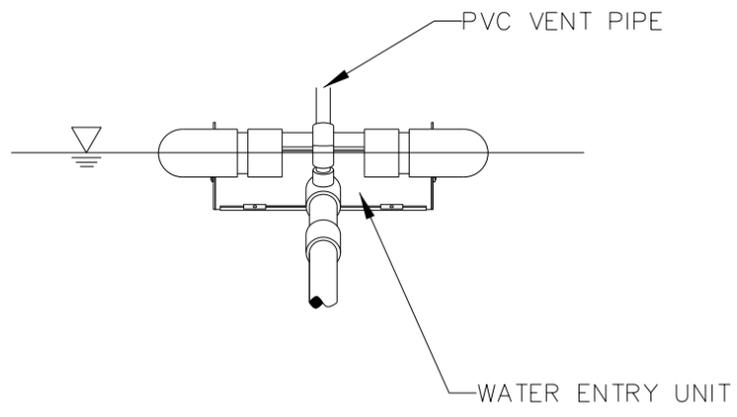


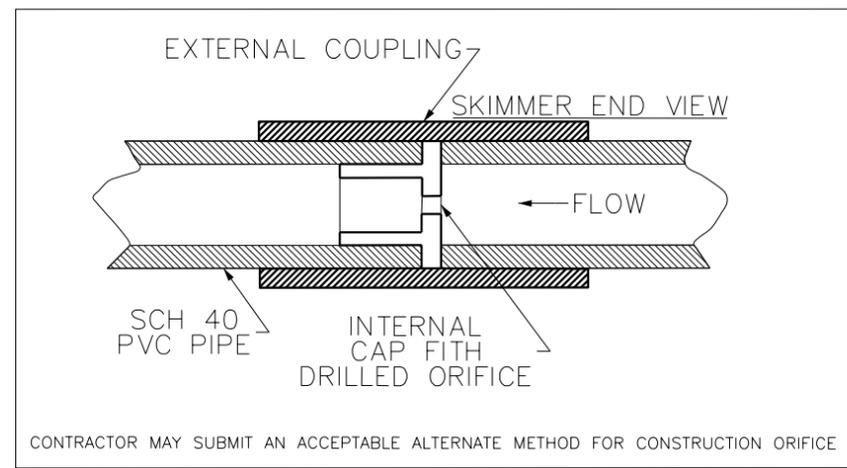
SKIMMER TOP VIEW



SKIMMER SECTION VIEW

NOTE: DRIVE THE TWO #8 REBAR POSTS ONE-THIRD OF THEIR LENGTH BELOW THE GROUND (24" MIN. DEPTH).

ORIFICE CONSTRUCTION DETAIL



CONTRACTOR MAY SUBMIT AN ACCEPTABLE ALTERNATE METHOD FOR CONSTRUCTION ORIFICE

- GENERAL NOTES:
1. SEDIMENT BASINS ARE GENERALLY CONSTRUCTED AT THE TOE OF A SLOPE, EXCAVATED ON THE UPHILL SIDE, AND DAMMED ON THE DOWNHILL SIDE.
 2. SEDIMENT BASINS ARE DESIGNED TO HOLD A SEDIMENT LOAD OF 67 CUBIC YARDS OF VOLUME PER DRAINAGE ACRE.
 3. DESIGN THE SQUARE CONCRETE ANTI-FLOATATION BLOCK IN ACCORDANCE WITH THE GSWCC GREEN BOOK BUT WITHOUT REBAR.
 4. IF NECESSARY, ADD A SPECIAL CLEANOUT PENINSULA TO LARGE BASINS.
 5. SUFFICIENT EASEMENT IS NEEDED FOR BASINS AS WELL AS ACCESS FOR CLEANOUT VIA A ROUT WITH A 3:1 SLOPE OR LESS.
 6. IN SECTION 54 OF THE ESPCP, SHOW THE FOOTPRINT OF EACH BASIN.
 7. REFER TO THE SEDIMENT BASIN TABLE IN THE ESPCP FOR BASIN-SPECIFIC DETAILS.
 8. OVERALL BASIN LENGTH TO WIDTH RATIO SHALL BE NO LESS THAN 2: IF NOT, USE BAFFLES TO INCREASE THE FLOW PATH LENGTH TO 2 TIMES THE BASIN WIDTH.
 9. DESIGN AND CONSTRUCT THE PRINCIPLE SPILLWAY TO CONVEY THE TOTAL 24-HOUR, 2-YEAR STORM; THE COMBINED PRINCIPAL AND EMERGENCY SPILLWAYS TO CONVEY THE TOTAL 25-YEAR STORM; AND THE SKIMMER ITSELF TO DRAIN THE BASIN WITHIN 24 TO 48 HOURS.
 10. EROSION CONTROL MATTING AND MATTING BLANKETS SHALL BE INSTALLED ON ALL INSIDE BASIN SLOPED AREAS FROM THE BASIN TOP EDGE TO THE BASIN BOTTOM EDGE.
 11. APPROVED EROSION CONTROL MATTING OR BLANKETS OR BONDED FIBER MATRIX SHALL BE APPLIED TO ALL 2.5:1 SLOPES OR GREATER SLOPES.
 12. ALL ITEMS SHOWN AND INCIDENTAL ITEMS NECESSARY FOR THE BASIN ARE TO BE INCLUDED IN THE OVERALL BID PRICE OF THE SEDIMENT BASIN (SECTION 163.5.C).
 13. CLEAN BASIN AROUND RISER AND SKIMMER WHEN SEDIMENT REACHES 1 FOOT OFF BOTTOM.
 14. CONTRACTOR MAY SUBMIT AN ACCEPTABLE ALTERNATE SKIMMER DESIGN FOR EACH CORRESPONDING SEDIMENT BASIN.



RELEASED FOR CONSTRUCTION 06/22/2016

| REVISION DATES | | |
|----------------|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: INNOVATIVE DELIVERY
**EROSION CONTROL
 CONSTRUCTION DETAILS**
 PROJECT: 1-85 NORTH EXPRESS LANE EXTENSION
 COUNTY: GWINNETT

DRAWING No. 56-004