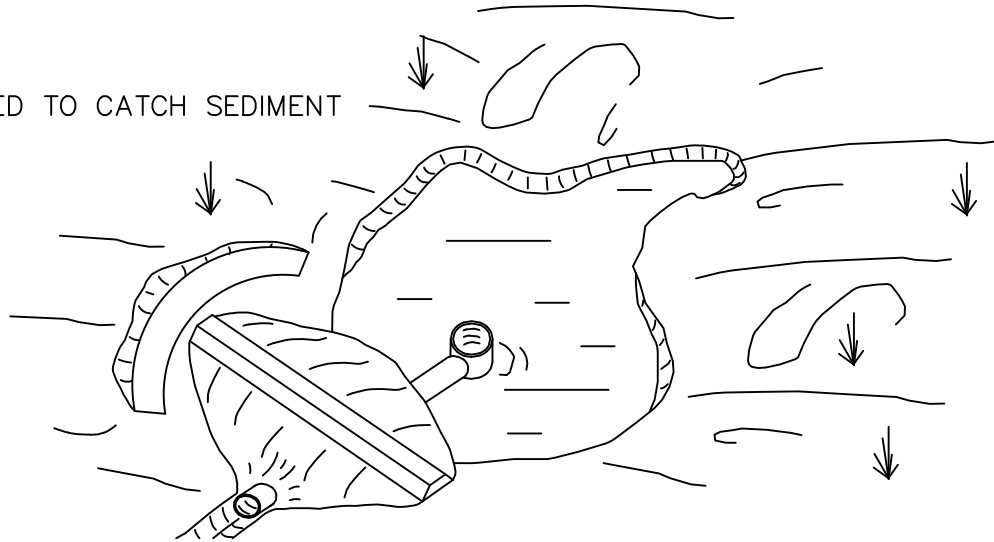


A POND DESIGNED TO CATCH SEDIMENT



- MAY BE PERMANENT OR TEMPORARY
- DESIGN FOR GREATEST EASE OF CLEANOUT
- TEMPORARY STRUCTURES
 - * REMOVED WITHIN 18 MONTHS
 - * DRAINAGE AREA \leq 150 ACRES
 - * FAILURE WOULD NOT RESULT IN LOSS OF LIFE OR INTERRUPT USE OF PUBLIC UTILITIES
- DESIGN CRITERIA, TEMPORARY STRUCTURES

| TYPE | MAX. W/S SIZE (AC.) | MAX. DAM HEIGHT (FT.) | EMERGENCY SPILLWAY DESIGN STORM FREQUENCY |
|------|---------------------|-----------------------|---|
| 1 | 20 | 7 | 10 YR. |
| 2 | 20 | 10 | 10 YR. |
| 3 | 150 | 15 | 25 YR. |

| TYPE | FREEBOARD (FT.) | SIDE SLOPE |
|------|-----------------|------------|
| 1 | | 2:1 |
| 2 | 0.5 | 2:1 |
| 3 | 0.5 1.0 | 2 1/2:1 |

- PERMANENT STRUCTURES OR THOSE EXCEEDING TYPE 3 MUST BE DESIGNED BY CRITERIA FOR PERMANENT STRUCTURE SUCH AS SOIL CONSERVATION SERVICE TECHNICAL GUIDES OR OTHER WHICH CONFORM TO SOUND CONSERVATION AND ENGINEERING PRACTICES
- STORAGE = 67 YD³/ACRE DRAINAGE AREA. TOP 1/2 RISER SHOULD BE PERFORATED WITH 1/2" DIAMETER HOLES SPACED 8" VERTICALLY AND 10"- 12" HORIZONTALLY
- PRINCIPAL SPILLWAY, EMERGENCY SPILLWAY, CUT OFF TRENCH, AND ANTI-SEEP COLLARS DESIGN REQUIRED
- TRASH RACK, ANTI-VORTEX DEVICE AND RISER BASE (TO PREVENT FLOATATION) REQUIRED
- PROTECT AGAINST SCOUR AT DISCHARGE OF PIPE SPILLWAY
- EXCEPT FOR TYPE 1 BASINS, EMERGENCY SPILLWAY MUST NOT BE ON FILL MATERIAL
- FENCE TO PROHIBIT TRESPASSING
- CLEAN OUT REQUIRED WHEN STORAGE CAPACITY REDUCED TO 27 YD³/ACRE OR SEDIMENT LEVEL IS WITHIN 1 FOOT OF PRINCIPAL SPILLWAY. KEEP TRASH RACK AND ANTI-VORTEX DEVICE CLEAR OF DEBRIS



CITY OF CORDELE, GEORGIA - STANDARD DETAIL

(Sd2) SEDIMENT BASIN

DETAIL NO:

E-037

DATE: