CONSTRUCTION DETAILS

STONE FILTER

SLOTTED BOARD DAM WITH TEMPORARY SEDIMENT FILTER

RETROFITTING STRUCTURE FOR

NO SCALE

MAY 2008

DESIGNED

DRAWN

TRACED

CHECKED

G R O U N D  L I N E

OUTLET PIPE

4" CLASS-B CONCRETE SPLASHPAD

BETWEEN CONCRETE FEATURES

PREFORMED JOINT FILLER

FULL-ARMS CONCRETE BOARD

BETWEEN CONCRETE FEATURES

OUTLET STRUCTURE

4" TREATED WOOD POST

OUTLET STRUCTURE

OUTLET STRUCTURE

4" TREATED WOOD POST

OUTLET STRUCTURE

TYPE-C SILT FENCE FABRIC

NOT THE TOTAL DETENTION POND CAPACITY, IS LOST TO SEDIMENT ACCUMULATION.

OF RETROFITS.  SEDIMENT SHALL BE REMOVED WHEN ONE-THIRD OF THE SEDIMENT STORAGE CAPACITY, OF RETROFITS.  SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE

SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL

5.

3.

2.

1.

GENERAL NOTES:

1. SLOTTED BOARD DAM WITH STONE FILTER MAY BE TEMPORARILY PLACED ON A DETENTION POND'S PERMANENT OUTLET STRUCTURE. THE TOTAL DRAINAGE AREA TO THE DETENTION POND SHALL BE LESS THAN 50 ACRES.

THE RETROFIT BMP MAY ALSO BE TEMPORARILY PLACED ON ROADWAY DRAINAGE STRUCTURES SUCH AS OPEN END PIPE OR WINGED HEADWALLS. THE TOTAL DRAINAGE AREA TO THE ROADWAY DRAINAGE STRUCTURE SHALL BE LESS THAN 30 ACRES. HOWEVER, THE RETROFIT BMP SHALL NOT BE USED ON ROADWAY DRAINAGE STRUCTURES CONVEYING FLOWING STREAMS.

2. THE DETENTION POND MUST BE CAPABLE OF TEMPORARILY STORING THE REQUIRED SEDIMENT STORAGE VOLUME IN ADDITION TO THE REQUIRED STORMWATER VOLUME.

THE DETENTION POND SHALL BE LARGE ENOUGH TO TEMPORARILY STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA WITHIN THE CONTRIBUTING DRAINAGE AREA. THE REQUIRED SEDIMENT STORAGE VOLUME SHALL BE ACHIEVED BY EITHER EXCAVATING THE DETENTION POND OR MAKING THE OUTLET STRUCTURE'S INVERT. THE SEDIMENT STORAGE VOLUME ELEVATION SHALL BE MARKED ON THE OUTLET STRUCTURE OR BY SETTING A MARKED POST NEAR THE OUTLET STRUCTURE.


4. ATTACH TYPE-C SILT FENCE FABRIC TO THE TREATED TIMBERS FROM THE GROUND LINE TO THE FULL RETROFIT HEIGHT PRIOR TO PLACEMENT OF NO. 57 STONE.

5. SEE STANDARD SPECIFICATION RS, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF RETROFITS. SEE STANDARD SPECIFICATION RS, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF RETROFITS. SEDIMENT SHALL BE REMOVED WHEN ONE-THIRD OF THE SEDIMENT STORAGE CAPACITY, NOT THE TOTAL DETENTION POND CAPACITY, IS LOST TO SEDIMENT ACCUMULATION.

PAY ITEMS:

163-0539 CONSTRUCT & REMOVE RETROFIT-SLOTTED BOARD DAM W/STONE FILTER

165-0096 MAINTENANCE OF RETROFIT-SLOTTED BOARD DAM W/STONE FILTER

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

CONSTRUCTION DETAILS

RETROFITTING STRUCTURE FOR

TEMPORARY SEDIMENT FILTER

SLOTTED BOARD DAM WITH

STONE FILTER

OUTLET PIPE