GENERAL NOTES:

1. PERFORATED HALF-ROUND PIPE WITH STONE FILTER MAY BE TEMPORARILY PLACED ON A DETENTION POND'S PERMANENT OUTLET STRUCTURE BUT SHALL NOT BE USED ON EXPOSED PIPE ENDS OR WINGED HEADWALLS. THE TOTAL DRAINAGE AREA TO THE DETENTION POND SHALL BE LESS THAN 30 ACRES.

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

3. THE DETENTION POND SHALL BE LARGE ENOUGH TO TEMPORARILY STORE 67 CUBIC YARDS OF SEDIMENT PIERCE OF DISTURBED AREAS AT TIME IN 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. THE SEDIMENT STORAGE VOLUME ELEVATION SHALL BE MARKED ON THE OUTLET STRUCTURE OR BY SETTING A MARKED POST NEAR THE OUTLET STRUCTURE.


5. ATTACH HALF-ROUND PIPE SECURELY TO OUTLET STRUCTURE USING A CORROSION-RESISTANT CONCRETE FASTENER. REPAIR FASTENER HOLES WITH GROUT OR OTHER METHODS APPROVED BY THE ENGINEER AFTER THE RETROFIT IS REMOVED.

6. SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF RETROFITS. SEE STANDARD SPECIFICATION 165, 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.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
RETOFITTING STRUCTURE FOR TEMPORARY SEDIMENT FILTER
PERFORATED HALF-ROUND PIPE
WITH STONE FILTER

NOTE 1: FOR ADDITIONAL REQUIREMENTS.

THE OUTLET STRUCTURE IS INDEPENDENT OF THE RETROFIT. SEE GENERAL OUTLET STRUCTURE WILL VARY AS DESIGNED FOR THE DETENTION POND. A BOXED OUTLET STRUCTURE WITH A WEIR IS SHOWN. HOWEVER, THE RETROFIT HEIGHT IS LOST TO SEDIMENT ACCUMULATION. THE OUTLET STRUCTURE'S INVERT. THE SEDIMENT STORAGE VOLUME ELEVATION SHALL BE MARKED ON 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.

NOTE 2: PERFORATED HALF-ROUND PIPE WITH STONE FILTER MAY BE TEMPORARILY PLACED ON A DETENTION POND'S PERMANENT OUTLET STRUCTURE BUT SHALL NOT BE USED ON EXPOSED PIPE ENDS OR WINGED HEADWALLS. THE TOTAL DRAINAGE AREA TO THE DETENTION POND SHALL BE LESS THAN 30 ACRES.

NOTE 3: THE DETENTION POND MUST BE CAPABLE OF TEMPORARILY STORING THE REQUIRED SEDIMENT STORAGE VOLUME IN ADDITION TO THE REQUIRED STORMWATER VOLUME.

NOTE 4: THE DETENTION POND SHALL BE LARGE ENOUGH TO TEMPORARILY STORE 67 CUBIC YARDS OF SEDIMENT PIERCE OF DISTURBED AREAS AT TIME IN 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. THE SEDIMENT STORAGE VOLUME ELEVATION SHALL BE MARKED ON THE OUTLET STRUCTURE OR BY SETTING A MARKED POST NEAR THE OUTLET STRUCTURE.


NOTE 6: ATTACH HALF-ROUND PIPE SECURELY TO OUTLET STRUCTURE USING A CORROSION-RESISTANT CONCRETE FASTENER. REPAIR FASTENER HOLES WITH GROUT OR OTHER METHODS APPROVED BY THE ENGINEER AFTER THE RETROFIT IS REMOVED.

NOTE 7: SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF RETROFITS. SEE STANDARD SPECIFICATION 165, 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.