

**SEDIMENT STORAGE**

The site has a total disturbed area of 3.3 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMPs specified in this table.

|   | OUTFALL ID | DRAINAGE AREA # | TOTAL DRAINAGE AREA (ac) | REQ SED STORAGE VOL (cu yd) | TOTAL STORAGE VOL PROVIDED (cu yd) | INLET SEDIMENT TRAPS (cu yd ea) |              | SILT FENCE (cu yd) |              | Disturbed Area (ac) |
|---|------------|-----------------|--------------------------|-----------------------------|------------------------------------|---------------------------------|--------------|--------------------|--------------|---------------------|
|   |            |                 |                          |                             |                                    | # of Devices                    | Total Volume | If                 | TOTAL VOLUME |                     |
| A | 52+67.43   | 1               | 0.99                     | 66.33                       | 212.3                              | 4                               | 16           | 569                | 196.3        | 1.72                |
|   |            | 2               | 3.18                     | 213.06                      | 185.1                              | 4                               | 16           | 490                | 169.1        |                     |
| B | 62+69.50   | 1               | 5.37                     | 359.79                      | 343.8                              | 6                               | 24           | 927                | 319.8        | 1.20                |
| C | 404+42.80  | 1               | 1.24                     | 83.08                       | 345.27                             | 3                               | 12           | 966                | 333.27       | 0.38                |

Sta 52+67.43

A Sediment Basin is not used at this location. The disturbed area within the drainage area is 1.72 acres. The disturbance activities consist of minor grading associated with the roadway construction. BMP's as shown on the Erosion Control Plans provide adequate sediment storage for runoff at this location. Land disturbance activities associated with constructing and removing a sediment basin would contribute a larger percentage of disturbed area compared to what is necessary for construction.

BMP's as shown on the Erosion Control Plans will be utilized at this location:

- Inlet Sediment Traps
- Slope Mats
- Silt Fence
- Mulch
- Rip Rap

Sta 62+69.50

A Sediment Basin is not used at this location. The disturbed area within the drainage area is 1.20 acres. The disturbance activities consist of minor grading associated with the roadway construction. BMP's as shown on the Erosion Control Plans provide adequate sediment storage for runoff at this location. Land disturbance activities associated with constructing and removing a sediment basin would contribute a larger percentage of disturbed area compared to what is necessary for construction.

BMP's as shown on the Erosion Control Plans will be utilized at this location:

- Inlet Sediment Traps
- Slope Mats
- Silt Fence
- Temporary Slope Drains
- Mulch
- Rip Rap

In order to prevent runoff from bypassing Inlet sediment traps, a temporary sump shall be installed around all Inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the Inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

Sta 404+42.80

A Sediment Basin is not used at this location. The disturbed area within the drainage area is 0.38 acres. The disturbance activities consist of minor grading associated with the roadway construction. BMP's as shown on the Erosion Control Plans provide adequate sediment storage for runoff at this location. Land disturbance activities associated with constructing and removing a sediment basin would contribute a larger percentage of disturbed area compared to what is necessary for construction.

BMP's as shown on the Erosion Control Plans will be utilized at this location:

- Inlet Sediment Traps
- Silt Fence
- Mulch
- Rip Rap

In order to prevent runoff from bypassing Inlet sediment traps, a temporary sump shall be installed around all Inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the Inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

DISCHARGES INTO, OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an Impaired Stream Segment that has been listed for criteria violated, "Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macro Invertebrate Community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

**STREAM BUFFER ENCROACHMENT**

Stream Buffers are impacted by this project.

The contractor is not authorized to enter into stream buffers, except as described in the table below:

| Name (name or number of feature) | Location of Buffered Streams and State Waters ** |                      |                       | Stream Type (Warm/Cold Water) * | Buffer Impacted (Yes/No) | Buffer Variance Required? |
|----------------------------------|--|----------------------|-----------------------|---------------------------------|--------------------------|---------------------------|
|                                  | Alignment  | Begin Sta (Lr or RT) | Ending Sta (Lr or Rt) |                                 |                          |                           |
| STREAM #3                        | C.S.88l  | 62+82 LT             | 63+53 LT              | WARM                            | YES                      | NO                        |
| STREAM #3                        | C.S.88l  | 62+23 RT             | 63+29 RT              | WARM                            | YES                      | NO                        |

Construction activities shall consist of the removal of existing pipes and placement of new pipes, as well as the placement of erosion control items. All work shall be done in accordance with the GDOT Standard Specifications, current edition.

\* Warm water streams have a 25-foot minimum buffer as measured from the wretted vegetation. Cold Water streams have a 50-foot buffer as measured from the wretted vegetation.

\*\* Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the Individual BMP sheets.

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