

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPC. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

STAGE 0 - This work consists of clearing and grubbing and installation of initial BMPs.

Initial BMP Installation

1. Install construction exits.
2. Install orange barrier fence around ESAs.
3. Install silt control gates on existing pipes as shown in stage 0 plans
4. Install check dams in existing ditches as shown in plans prior to clearing and grubbing activities. Check dams are to remain until existing ditches are impacted by stage construction.
5. Install perimeter silt fences prior to or concurrent with clearing and grubbing activities and prior to any mass grading activities. Silt fence is to remain in place until construction is complete and all slopes have been stabilized.

STAGE 1 - This work consists of the widening and overlay of Towne Center Drive and Washington Road, new location construction of Riverwatch Parkway from intersection with Washington Road at Towne Center to bridge #1 at station 122+28.50, construction of full depth eastbound Riverwatch Parkway from station 122+28.50 to 149+00 (including eastbound portion of bridge #2) and from station 159+00 to 211+00, and full depth westbound lanes from station 222+00 to 246+00. Construct and stabilize ditch from station 114+00 RT to 121+00 RT before beginning work on new road construction or building up the slopes.

Initial BMP Installation

1. Maintain BMP's from previous stage unless current stage necessitates removal. If prior installed BMPs are removed, replacement BMPs are to be installed as soon as practical.

Intermediate BMP Installation

1. Construct ditch station 114+00 to 121+00 Right and install TRM and rock filter dams as shown in erosion plans prior to starting construction on new location road or building up slopes.
2. Install silt fence under proposed bridges as soon as earthwork activities are complete. This earthwork is in an environmental sensitive area and needs immediate stabilization.
3. Install check dams as soon as ditches are graded.
4. Install erosion control mats on staging slopes around bridge #1 for approximately 100 feet from bridge abutment. This is to ensure stabilization around stream.
5. Install inlet sediment traps and silt control gates as soon as new drainage structures are installed.

Final BMP Installation

1. Once slopes are at final grade, install erosion control mats where necessary.
2. Install ditch lining as soon as ditches are graded.
3. Install rip rap at pipe outlets as soon as new pipes are laid.
4. Install swale on Washington Road while laying new pipe.
5. Install Permanent Grassing as soon as practical.

STAGE 1A - This work consists of the construction of full depth Columbia Industrial Parkway and full depth westbound Riverwatch Parkway lanes from bridge 1 at station 122+28.50 to station 149+00 (including westbound portion of bridge #2).

Initial BMP Installation

1. Maintain BMP's from previous stages unless current stage necessitates removal. If prior installed BMPs are removed, replacement BMPs are to be installed as soon as practical.

Intermediate BMP Installation

1. Install silt fence under proposed bridge as soon as earthwork activities are complete. This earthwork is in an environmental sensitive area and needs immediate stabilization.
2. Install check dams as soon as ditches are graded.
3. Install inlet sediment traps and silt control gates as soon as new drainage structures are installed.

Final BMP Installation

1. Once slopes are at final grade, install erosion control mats where necessary.
2. Install ditch lining as soon as ditches are graded.
3. Install rip rap at pipe outlets as soon as new pipes are laid.
4. Install Permanent Grassing as soon as practical.

STAGE 2P - This work consists of the construction of full depth construction of Riverwatch Parkway from station 211+00 to 222+00.

Initial BMP Installation

1. Maintain BMP's from previous stages unless current stage necessitates removal. If prior installed BMPs are removed, replacement BMPs are to be installed as soon as practical.

Intermediate BMP Installation

1. Install inlet sediment traps as soon as new drainage structures are installed.
2. Install berm and temporary pipe slope drain on cut slope approximate station 215+00 to 217+00.

Final BMP Installation

1. Once slopes are at final grade, install erosion control mats where necessary.
2. Install Permanent Grassing as soon as practical.

STAGE 2 - This work consists of the construction of full depth westbound Riverwatch Parkway lanes from station 160+00 to 211+00 and full depth eastbound lanes from station 222+00 to 247+50.

Initial BMP Installation

1. Maintain BMP's from previous stages unless current stage necessitates removal. If prior installed BMPs are removed, replacement BMPs are to be installed as soon as practical.

Intermediate BMP Installation

1. Install check dams as soon as ditches are graded.
2. Install inlet sediment traps and silt control gates as soon as new drainage structures are installed.

Final BMP Installation

1. Once slopes are at final grade, install erosion control mats where necessary.
2. Install ditch lining as soon as ditches are graded.
3. Install rip rap at pipe outlets as soon as new pipes are laid.
4. Install Swale while pipe is being laid.
5. Install Permanent Grassing as soon as practical.

STAGE 2A - This work consists of the construction of full depth Riverwatch Parkway from station 149+00 to 160+00 and relocation, widening, and overlay of Old Evans Road and Blue Ridge Drive.

Initial BMP Installation

1. Maintain BMP's from previous stages unless current stage necessitates removal. If prior installed BMPs are removed, replacement BMPs are to be installed as soon as practical.

Intermediate BMP Installation

1. Install check dams as soon as ditches are graded.
2. Install inlet sediment traps and silt control gates as soon as new drainage structures are installed.

Final BMP Installation

1. Once slopes are at final grade, install erosion control mats where necessary.
2. Install ditch lining as soon as ditches are graded.
3. Install rip rap at pipe outlets as soon as new pipes are laid.
4. Install Permanent Grassing as soon as practical.

STAGE 3 - This work consists of the construction of doweled medians along Riverwatch Parkway and Washington Road.

Initial BMP Installation

1. Maintain BMP's from previous stages until site is stabilized to its final condition.
- NOTE: Stage not shown as no new erosion BMPs are to be placed in this stage and traffic will be utilizing the final lane configurations and no new ground disturbance is expected. Site will be stabilized prior to removal of previously installed BMPs.

WOTD

READY MIX CHUTE WASH-DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of portland cement concrete is prohibited on this site. In accordance with standard Specification 107 - Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travel way, including shoulders, for a washdown pit. The pit shall be large enough to store all wash-down water without overlapping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from a storm drain, stream or river, (2) access to the vehicle being used for wash-down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash-down. On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for ready Mix Chute/Hopper Wash-down".

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).