

Section 015700

STORMWATER POLLUTION PREVENTION PLAN1. DESCRIPTION

This project shall consist of the construction of Concrete Sidewalk along the water front.

2. TYPE OF SOIL DISTURBING ACTIVITIES

Construction of approximately 35,000 sq. feet of 4" thick 10' wide sidewalk close to the beach on Corpus Christi Beach will require minimal disturbance of soil as the concrete sidewalk will be placed on top existing sand. Preparation of surface will be done by leveling the area once the wooden forms are installed for the sidewalk. Additional 6,000 sq. feet of sidewalk will be constructed on solid ground where the contractor will be required to dig 8" to 10" of solid compacted clam shell beds in preparation for a 4" sand cushion and concrete sidewalk construction.

3. SOILS

The area where the sidewalk is to be installed is predominately sand and in an area where the existing parking lot is constructed, the area is reclaimed using dredged material consisting of clam shells.

4. SITE AREA

The total work area is approximately 2.6 acres along the water front and as most of this is sand, chances of runoff from the construction side are minimal except for in the area where the sidewalk will be constructed on reclaimed land consisting of clam shell. The disturbed area will be approximately 0.85 acres and will require silt fence for the construction of sidewalks. Also, the contractor will be required to install silt fence and or hay bales where necessary during the course of construction to resolve any problem areas that become evident during the construction and/or during rainfall.

5. RUNOFF COEFFICIENT

As most of the 2.6 acres disturbed area is predominately sandy soil, the potential of run-off will be very low due to the soil's high infiltration rate. Since the total area of new concrete sidewalk will be approximately 41,000 sq. feet, the weighted average runoff coefficient after construction will not change significantly.

6. SEQUENCE OF MAJOR ACTIVITIES

The order of major activities of the work will be generally as follows:

- A. Mobilize and site cleanup continuous as required.

- B. Place silt fence and gravel or crushed aggregate in areas where the trucks will be entering the construction area. To prepare the truck entrance, contractor will be required to remove some of the bollards from the parking lots and install a heavy chain across the opening. At the end of work day, the area will be secured so that no private vehicles can have access to the beach. Private vehicles are prohibited on the beach.
- C. Load waste and surplus excavated material from the construction site directly into truck and haul from site.
- D. Construct concrete sidewalk in sections and at the end of work day, the construction area is to be cordoned off by installing 4' tall orange safety fence barrier around the work area.
- E. Final clean up and demobilize.

7. NAME OF RECEIVING WATERS

Runoff from the work site sheet flows to the Corpus Christi Bay, Segment 2481.

8. SEDIMENT AND EROSION CONTROLS

TRACKING of mud and other substances onto adjoining streets and paved areas is unacceptable. If it occurs, the adjoining street shall be cleaned immediately (within a few minutes).

TRENCH EXCAVATION including waste and surplus material may be stockpiled in the parking lot but area for material storage shall be determined site by the Construction Inspector.

SILT FENCES, filter fabric fences, diversion and interceptor dikes shall be constructed as shown on the plans and as required to minimize silting of the storm sewer and drainage ditch systems. They shall be maintained by the Contractor and shall remain the property of the Contractor.

9. WASTE CONTROLS

CHEMICALS AND POTENTIALLY HAZARDOUS SUBSTANCES shall not be stored on the job site. If they are to be incorporated into the project, they shall be delivered to the job site as needed and not stored on site. Such materials shall be handled in strict accordance with material safety data sheets (MSDS). Such materials shall not be delivered to the job site without MSDS.

INVENTORY OF MATERIALS including MSDS and spill response measures shall be kept on the job site and made available to the Engineer upon request. Unlisted inventory or materials of which no MSDS are available shall not be allowed on the job site.

MATERIALS shall be stored in an organized manner with materials kept in their original containers, if practical, and properly labeled.

WASTE PRODUCTS shall be properly contained upon generation and properly disposed. Waste receptacles shall be on site as applicable. Proper waste disposal shall be scheduled such that waste does

not accumulate on site for more than one week or exceed the capacity of the vehicles or create unsanitary conditions.

TRASH/DEBRIS shall not accumulate around the job site.

10. SPILL CONTROLS

GOOD HOUSEKEEPING PRACTICES shall be followed to minimize the potential for spills.

SPILLS shall be immediately contained and collected for proper disposal and reported, if applicable.

CLEAN UP of spills shall be in accordance with manufacturers' recommended methods. Manufacturers' recommended clean up methods should be included in the Inventory of Materials kept on the job site.

VEHICLES AND EQUIPMENT shall be monitored for leaks. Any vehicle or equipment found to have leaking oil, transmission fluid, and etc. shall be repaired prior to continued operation.

CONCRETE TRUCKS shall not be allowed to wash out on the job site.

SUPPLIES AND EQUIPMENT for clean up shall be available on the job site.

11. POLLUTION CONTROL COORDINATOR

The Contractor shall designate a Pollution Prevention Coordinator for the project. The Pollution Prevention Coordinator shall be on the site during working hours and available any time. The Pollution Prevention Coordinator shall be knowledgeable of the requirements of the Storm Water Pollution Prevention Plan and shall represent the Contractor in matters relating to the implementation of the Storm Water Pollution Prevention Plan.

12. MAINTENANCE AND INSPECTION

SILT FENCES shall be maintained as necessary to minimize erosion and flooding.

INSPECTION of disturbed areas, storage areas, silt fences, storm sewer inlets, and locations where vehicles access the job site will be done by the Engineer, or his designated representative, as deemed necessary. Monitoring will typically occur daily during the workweek and after a rain and at least once every 7 calendar days and within 24 hours of a rain in excess of 0.5 inches. RECORDS of inspection will be recorded in "City of Corpus Christi Department of Engineering Inspector's Daily Report" form and filed with the Engineer for a minimum of 3 years.

13. REFERENCE SECTIONS OF CITY OF CORPUS CHRISTI STORM WATER QUALITY MANAGEMENT MANUAL

Copy of the Manual can be acquired from the Stormwater Department, City of Corpus Christi, Phone No. 361 857 1875.

Refer to the following Sections:

SEC. 3.3 PLANNING REQUIREMENTS FOR SITE DEVELOPMENT DURING CONSTRUCTION

3.3.1 "Development of Sites Five (5) Acres or More" (page 15)

SEC. 3.4 POLLUTION CONTROL MEASURES (pages 17-20)

SEC. 5.1 CONSTRUCTION SITE STORM WATER POLLUTION PREVENTION PLAN REQUIREMENTS (pages 2-4)

14. MEASUREMENT AND PAYMENT

The preparation, implementation and maintenance of the Storm Water Pollution Prevention Plan (SWPPP) shall not be measured but be paid as a lump sum amount in the bid proposal forms. Payment for these major components will be considered as payment for all required aspects of the SWPPP- i.e. minor and appurtenant tasks, materials and equipment shall be considered as subsidiary to the prices bid for the major components. General and technical specifications for each of the major components of the SWPPP are described in the attached excerpts from the City of Corpus Christi "Storm Water Quality Management Guidance Document for Development Planning & Construction Activities", pages 5-16, 54-62, and 86-93.

15. CONTRACTOR'S CERTIFICATION

I certify that I have reviewed and understand the Storm Water Pollution Prevention Plan and agree to implement the plan.

Contractor: _____

By: _____

Date: _____

Title: _____

Address: _____

Phone: _____