

SITE DESCRIPTION

PROJECT LIMITS: Keller Springs Road from Marsh Lane to East of Tarpley

PROJECT DESCRIPTION:

Construction of a 4 lane divided non-freeway facility consisting of grading, soil stabilization, storm sewer, concrete pavement, box culverts and pavement markings.

MAJOR SOIL DISTURBING ACTIVITIES:

Soil disturbing activities will include preparing the right-of-way; clearing and grubbing; grading; excavation and embankment for the roadway; drop inlets and storm sewers; box culverts and topsoil for work for final planting and seeding.

TOTAL PROJECT AREA: 2.65 HECTARES

TOTAL AREA TO BE DISTURBED: 2.65 HECTARES

WEIGHTED RUNOFF COEFFICIENT (AFTER CONSTRUCTION): 0.85

EXISTING CONDITION OF SOIL & VEGETATIVE COVER AND % OF EXISTING VEGETATIVE COVER:

The existing soil is a brown clay and is covered with various grasses which are in good condition.

NAME OF RECEIVING WATERS:

This watershed drains to the upper reaches of Hunt Branch.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT PLANTING, SODDING, OR SEEDING
- MULCHING
- SOIL RETENTION BLANKET
- BUFFER ZONES
- PRESERVATION OF NATURAL RESOURCES

OTHER: Disturbed areas on which construction activity has ceased (temporarily or permanently) shall be stabilized within 14 days unless activities are scheduled to resume and do within 21 days.

STRUCTURAL PRACTICES:

- SILT FENCES
- HAY BALES
- ROCK BERMS
- DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
- DIVERSION DIKE AND SWALE COMBINATIONS
- PIPE SLOPE DRAINS
- PAVED FLUMES
- ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER MATTING AT CONSTRUCTION EXIT
- CHANNEL LINERS
- SEDIMENT TRAPS
- SEDIMENT BASINS
- STORM INLET SEDIMENT TRAP
- STONE OUTLET STRUCTURES
- CURBS AND GUTTERS
- STORM SEWERS
- VELOCITY CONTROL DEVICES

OTHER:

NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:

The order of activities will be as follows:

1. Prepare ROW and establish perimeter controls using hay bales, and filter dams as necessary for temporary erosion controls.
2. Make required utility adjustments and install new utilities including inlets, storm sewers and culverts. Install hay bales or sediment traps around all inlets as soon as they are functional. Place channel liners as soon as possible.
3. Place lime in subgrade and place hot mix and concrete paving as soon as possible. Place topsoil for final planting or seeding or use temporary seeding.
4. When all construction activity is complete and the site is stabilized and approved by the Project Engineer, remove all temporary structural controls and reseed any areas disturbed by their removal.

STORM WATER MANAGEMENT:

Storm water drainage will be provided by inlets and storm sewer system. This system will carry drainage within the R.O.W. to lows in the roadway where cross drainage occurs.

OTHER EROSION AND SEDIMENT CONTROLS:

MAINTENANCE: All erosion and sediment controls will be maintained in good working order. If a repair is necessary, it will be done at the earliest date possible, but no later than 7 calendar days after the surrounding exposed ground has dried sufficiently to prevent further damage from heavy equipment. The areas adjacent to creeks and drainageways shall have priority followed by devices protecting storm sewer inlets.

INSPECTION: An inspection will be performed by a TxDOT Inspector every week as well as after every half inch or more of rain (as recorded on a non-freezing rain gauge to be located at the Project Site). An Inspection and Maintenance Report will be made per each inspection. Based on the inspection results, the controls shall be revised per the inspection report.

WASTE MATERIALS: All waste materials will be collected and stored in a securely lidded metal dumpster. The dumpster will meet all state and local city solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied as necessary or as required by local regulation and the trash will be hauled to a local dump. No construction waste material will be buried on site.

HAZARDOUS WASTE (INCLUDING SPILL REPORTING): At a minimum, any products in the following categories are considered to be hazardous: paints, acids, cleaning solvents, asphalt products, chemical additives for soil stabilization, or concrete curing compounds and additives. In the event of a spill which may be hazardous, the spill coordinator should be contacted immediately.

SANITARY WASTE: All sanitary waste will be collected from the portable units as necessary or as required by local regulation by a licensed Sanitary Waste Management Contractor

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
- EXCESS DIRT ON ROAD REMOVED DAILY
- STABILIZED CONSTRUCTION ENTRANCE

OTHER:

REMARKS: Disposal areas, stockpiles, and haulroads shall be constructed in a manner that will minimize and control the amount of sediment that may enter receiving waters. Disposal areas shall not be located in any wetland, waterbody or streambed. Construction staging areas and vehicle maintenance areas shall be constructed by the Contractor in a manner to minimize the runoff of pollutants. All waterways shall be cleared as soon as practicable of temporary embankment, temporary bridges, matting, falsework, piling, debris or other obstructions placed during construction operations that are not a part of the finished work.



7/1/97

STORM WATER POLLUTION PREVENTION PLAN							
KELLER SPRINGS ROAD							
DALLAS COUNTY, TEXAS							
TEXAS DEPARTMENT OF TRANSPORTATION							
Half Associates <small>ENGINEERS - ARCHITECTS - ROADSIDE DESIGNERS - PLANNERS - SURVEYORS</small>							
DESIGN	DRAWN	NOTES	FED. PROJ. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	
			4	TEXAS	STP 96 (96) 800		
DATE	FILE	SCALE	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.
JULY 2000	706WPOLL	NONE	18	DALLAS	898	45	222
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