

SITE DESCRIPTION

This Storm Water Pollution Prevention Plan (SWPPP) has been prepared for site development construction activities as shown on the following pages. The intent of this plan is to control storm water discharges and certain non-storm water discharges associated with site development construction. It is anticipated the following non-storm water discharges may be associated with the construction activities. Each of the following discharges are authorized by the Construction General Permit and are specified herein and made a part of this SWPPP.

1. Waters used to wash vehicles or control dust.
2. Waterline flushings.
3. Fire Hydrant flushings.
4. Irrigation drainage.
5. Routine pavement washdowns where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used.
6. Routine external building washdowns which do not use detergents.
7. Air conditioning condensates.
8. Foundation or footing drains where flows are not contaminated with process materials such as solvents.

If the Contractor anticipates or experiences any other non-storm water discharges, he shall contact the Engineer of Record to discuss the need for control measures and possible revisions to this SWPPP.

The runoff coefficient of the site after construction is complete is estimated as 0.45 per the City of Rockwall drainage design criteria. The soils at this site are generally clay soils over weathered and unweathered marl of the Marlbrook Marl per the Geotechnical Investigation performed by Henley - Johnston & Associates dated 07/26/2018.

Storm water from this site discharges into an unnamed tributary of the East Fork of the Trinity River. There are no wetland areas in the disturbed areas covered by this plan according available records. The total site area (including adjoining right-of-way) is 2.1 acres. It is anticipated that 1.7 acres will be disturbed during the construction activities.

EROSION CONTROL GENERAL NOTES

1. Disturbed areas where construction has permanently or temporarily ceased must be stabilized within 14 days of the last disturbance. Area which will be redisturbed within 21 days need not be stabilized.
2. Erosion control measures will be actively maintained until final stabilization of the disturbed area. If erosion control measures are removed for construction or access purposes, Contractor shall replace all items at the end of each work day.
3. After installation of pavement, final lot benching and general cleanup, all disturbed areas shall be hydromulched or cultipack seeded. See seeding specifications this sheet.
4. Erosion control measures require maintenance, cleaning and replacement as required. Erosion control measures will be inspected at least once every seven days and within 24 hours of a rainfall one-half inch or greater by an Agent designated by the Operator and a written report shall be maintained.
5. Excavated trenches and utility spoils shall be backfilled or stockpiled at the end of each day.
6. Stockpiled materials shall be surrounded by silt barrier fence or hay bales per the attached details. Alternate: small stockpiled areas may be covered by a water repellent tarp or plastic as approved by the Operator.
7. Soils in parkways to be chain harrowed or chain dragged prior to sodding.

INSTALLATION SEQUENCE

- PHASE 1 (Initial Grading)** Initial installation of silt fence shall be installed prior to clearing the site for establishing rough grades. Installation of silt fence and stone overflow shall be preserved by the excavation contractor. If during the course of clearing and excavation, the excavation contractor destroys or moves these facilities, then it shall be the responsibility of the excavation contractor to replace the facilities to the state in which he found them when he mobilized.
- PHASE 2 (Utility Install)** If required, installation of silt fence or stone overflow, as shown, shall be installed prior to the construction of any drainage facilities and after inlet bottoms are poured. It shall be the utility contractor's responsibility to preserve and/or replace any facilities previously installed during PHASE 1 if destroyed.
- PHASE 3 (Paving)** Curlex shall be installed after the paving contractor has backfilled all street curbs. The paving contractor shall be responsible for preserving and/or replacing any previously installed facilities which are destroyed as a result of constructing any and all paving facilities.
- PHASE 4 (Final Grading)** All rights-of-way shall be sodded and all disturbed areas shall be seeded by others after the excavation contractor has completed the final lot benching of each lot within this development.
- * All proposed stormwater pollution prevention devices shall be installed by a qualified contractor and shall be paid for per a unit price contract.

OTHER NOTES

1. Solid non-hazardous construction waste shall be disposed of in trash dumpsters or approved equal, in a location approved by the operator. Potentially soluble or leachable solid waste shall be stored off the ground and in covered leak-proof containers. Solid waste shall be properly disposed of off-site on a regular basis.
 2. Hazardous waste shall be segregated from non-hazardous construction site debris. Liquid or semi-liquid hazardous waste shall be stored in appropriate containers (closed drums or similar) and shall be kept under cover. Granular, soluble or leachable hazardous waste materials shall be stored off the ground and in covered leak-proof containers. Hazardous waste storage area locations shall be properly approved of by the Operator. Hazardous waste shall be properly disposed of off-site on a regular basis by a reputable, licensed hazardous waste hauler.
- Note: It is not the intent of this SWPPP to supersede or replace normal site assessment and remediation procedures concerning hazardous materials. Significant spills and/or contamination warrant immediate response by trained professionals. Suspected job site contamination should be immediately reported to regulatory authorities and protective actions taken.
3. Fresh concrete waste and concrete equipment washdowns shall be contained in an area approved by the operator. Contractor shall ensure that adequate vegetative buffer is present around concrete disposal areas.
 4. All waste materials shall be stored away from drainage ditches, swales and drainage structures. Where appropriate, containment berms shall be placed around waste storage areas.
 5. Contractor shall take appropriate measures to control dust generated during construction activities.
 6. Contractor shall construct appropriate entryways to prohibit the tracking of dirt and debris off-site.
 7. A centrally located port-a-pot shall be placed and maintained on the project site at all times during construction activities.
 8. Equipment maintenance, repair and washdowns shall be performed off-site or in locations approved by Operator.
 9. A copy of this SWPPP shall be kept on-site for the entire construction period. The NOI associated with this SWPPP shall be properly displayed on-site for the entire construction period.
 10. A Notice of Termination (N.O.T.) shall be filed for this project upon City acceptance of the project and after final stabilization has been achieved and the responsibility for continued Storm Water Management/Erosion Control shall become that of the builder, city, or other appropriate entity responsible for any applicable construction activity in the future.
 11. Complete inspection records pertaining to this NOI and SWPPP must be maintained by the Operator for a period of three (3) years following final stabilization.

BMP MAINTENANCE SCHEDULE		
BMP	MAINTENANCE FREQUENCY	BY:
TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT	WEEKLY AND AFTER RAIN STORM EVENTS	OWNER
ROCK CHECK DAM	WEEKLY AND AFTER RAIN STORM EVENTS	OWNER
SILT FENCE	WEEKLY AND AFTER RAIN STORM EVENTS	OWNER
INLET PROTECTION	WEEKLY AND AFTER RAIN STORM EVENTS	OWNER

OFFSITE INSTALLATION SEQUENCE

- PHASE 1 (Utility Install)**
1. The owners erosion prevention representative shall install silt fence or stone check dams at locations where swales or creeks cross the water main construction area prior to the construction of any utility facilities. It shall be the utility contractor's responsibility to preserve and/or replace any facilities if damaged.
 2. Along excavation trench and borrow area, the contractor is to scarify top 6" of top soil and vegetation and stock pile on the down hill side of the trench creating a 1' high berm. Trench shall not be stripped more than one day before constructing that portion of main and be recovered with topsoil and strippings no more than 1 day after constructing that portion of main. Replace top soil and vegetation along trench using 1' high berm.
 3. Any erodible material including stockpiles and berms to be covered by a water repellent tarp or plastic in the event of rain.
 4. Utility contractor must coordinate with the owners erosion prevention contractor daily.
- PHASE 2 (Final Grading)**
5. All rights-of-way shall be sodded and all disturbed areas shall be seeded after the utility contractor has completed the final grading.
- * All proposed stormwater pollution prevention devices shall be installed by a qualified contractor and shall be paid for per a unit price contract.

SEEDING SPECIFICATIONS

CULTIPACK SEEDING SPECIFICATIONS

Winter Rye Seed (Fall & Winter)	65 lb/acre	(1.5 lbs/1000 sq. ft.)
Common Bermuda Seed (Spring & Summer)	65 lb/acre	(1.5 lbs/1000 sq. ft.)
17/17/17 Fertilizer	380 lb/acre	(9 lbs/1000 sq. ft.)

HYDROMULCH SEEDING SPECIFICATIONS

Winter Rye Seed (Fall & Winter)	65 lb/acre	(1.5 lbs/1000 sq. ft.)
Common Bermuda Seed (Spring & Summer)	65 lb/acre	(1.5 lbs/1000 sq. ft.)
17/17/17 Fertilizer	380 lb/acre	(9 lbs/1000 sq. ft.)
Wood Cellulose Mulch Fiber	2000 lb/acre	(50 lbs/1000 sq. ft.)
Biodegradable Tacifier	65 lb/acre	(1.5 lbs/1000 sq. ft.)

Note: Soil to be seeded shall be chain harrowed or chain dragged prior to seeding. After seeding, these areas shall be maintained until grass is established and approved by Operator.

RECORD DRAWING

TO THE BEST OF OUR KNOWLEDGE, USA PROFESSIONAL SERVICES GROUP, INC. HEREBY STATES THAT THIS RECORD DRAWING IS BASED ON VISUAL SITE OBSERVATIONS, SURVEY INFORMATION AND INFORMATION PROVIDED BY THE CONTRACTOR.

CSG

DATE: JUNE 16, 2020

NOTE: 75-80% OF ALL DISTURBED AREAS SHALL HAVE A MINIMUM 1" STAND OF GRASS (NOT WEEDS OR WINTER RYE) PRIOR TO CITY ACCEPTANCE OR CERTIFICATE OF OCCUPANCY.

STATE OF TEXAS
 REGISTERED PROFESSIONAL ENGINEER
 62758
 Craig S. Smiley

November 29, 2018

BENCHMARKS:

- #1 "□" CUT ON EXISTING "Y" INLET ±74' FROM THE NORTHWEST CORNER OF PROPERTY. ELEV. 493.46
- #2 "□" CUT ON BACK OF CURB ±12' IN FRONT OF EXISTING SANITARY SEWER MANHOLE ±66' FROM THE NORTHEAST CORNER OR PROPERTY LINE. ELEV. 497.98

EROSION CONTROL NOTES

SHIPMAN OFFICE BUILDING
 CITY OF ROCKWALL
 ROCKWALL COUNTY, TEXAS

USA PROFESSIONAL SERVICES GROUP, INC.
 1525 VICEROY DRIVE, DALLAS, TX 75235
 214-634-3300 PHONE 214-634-3338 FAX
 REGISTERED ENGINEERING FIRM F-1845
 REGISTERED SURVEYING FIRM 101074-00

USA JOB NUMBER
2018006.00