

STORMWATER POLLUTION PREVENTION DETAILS PLAN

1. PROJECT / SITE DESCRIPTION

- A. CONSTRUCTION ACTIVITY:
CONSTRUCTION OF NEW BUILDING, ROADWAY, SIDEWALKS, LANDSCAPE, UTILITIES AND DRAINAGE SYSTEM.
- B. MAJOR SOIL DISTURBING ACTIVITIES:
INSTALLATION OF DRAINAGE SYSTEM
CLEARING AND GRUBBING
INSTALLATION OF UTILITIES
CONSTRUCTION OF BUILDING FOUNDATIONS
- C. TOTAL PROJECT AREA:
ACRES
- D. RUNOFF COEFFICIENT
BEFORE
AFTER
- E. LOCATION OF DRAINAGE AREAS AND OUTFALLS
ALL DRAINAGE TO BE VIA UNDERGROUND EXFILTRATION TRENCHES., 15 FEET DEEP. NO OUTFALLS ARE BEING PROPOSED.
- F. NAME OF RECEIVING WATERS
ALL DRAINAGE TO BE VIA UNDERGROUND EXFILTRATION TRENCHES., NO DISCHARGE

2. NARRATIVE - SEQUENCE OF SOIL DISTURBANCE ACTIVITIES

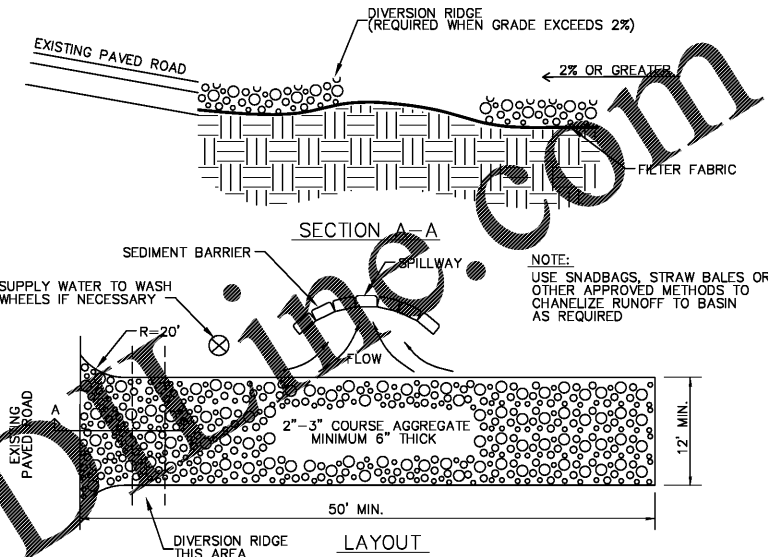
- A. EROSION AND SEDIMENT CONTROL
- STABILIZATION PRACTICES:
THE CONTRACTOR WILL MAINTAIN THE INLET PROTECTION, SILT FENCE AND ILL ALSO PROVIDE DUST CONTROL.
 - STRUCTURAL PRACTICES
SILT FENCE
SYNTHETIC BALES
FILTER FABRIC
- B. DESCRIPTION OF STORM WATER MANAGEMENT
CONTRACTOR SHALL INSTALL AND MAINTAIN THE EROSION AND SEDIMENT CONTROL DESCRIBED HEREIN, AFTER ANY RAIN EVENT, THE CONTRACTOR WILL REPAIR OR REPLACE ANY AFFECTED CONTROLS (SILT FENCES, FILTER FABRIC, SYNTHETIC BALES)
- C. OTHER CONTROLS:
- WASTE DISPOSAL:
ANY CONSTRUCTION DEBRIS GENERATED AS A RESULT OF THIS PROJECT WILL BE DISPOSED OF OFF-SITE AT AN APPROPRIATE WASTE DISPOSAL FACILITY
 - CONCRETE WASH OUT LOCATIONS WILL BE PROVIDED IN AREAS WHERE THE DISPOSAL MATERIALS WILL BE CONTAINED SO AS TO PREVENT DISCHARGE OUTSIDE OF THE PROJECT LIMITS AND INTO THE WATERWAYS.
 - NEW AND EXISTING DRAINAGE STRUCTURES WILL BE PROTECTED WITH SYNTHETIC BALES AND/OR FILTER FABRIC.
 - STAGING AREAS WILL BE LOCATED WITHIN THE PROJECT WORK ZONE UNLESS REQUESTED OTHERWISE FOR APPROVAL.
 - LITER WILL BE DEPOSITED IN APPROPRIATE LOCATIONS. A DUMPSTER MAY BE PROVIDED AT THE SITE DEPENDING ON THE AMOUNT OF LITER GENERATED.
 - LOADED TRUCKS WILL BE COVERED WITH TARP.
 - SWEEPERS AND/OR WATER TRUCKS WILL BE PROVIDED TO REDUCE DUST DAILY.
 - SOIL PREVENTION TRACKING WILL BE INSTALLED AS PER THE SWPP AND/OR AS DIRECTED BY CITY INSPECTOR.
 - OFF SITE VEHICLE TRACKING
LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
EXCESS DIRT ON ROAD REMOVED DAILY
STABILIZED CONSTRUCTION ENTRANCE
WATER TRUCK SCHEDULING
STREET SEEPING (DAILY)
 - FERTILIZERS, PESTICIDES AND TREES:
NUTRIENT FILTERS WILL BE PROVIDED TO THE PLATERS TO PROTECT ALL TREES WITHIN PROJECT LIMITS THAT ARE TO REMAIN AS PER FDOT INDEX No. 544
 - TOXIC SUBSTANCE:
TOXIC SUBSTANCES WILL NOT BE STORED AT THE SITE.
 - NON-STORM WATER DISCHARGE (INCLUDED SPILL REPORTING)
NO NON STORM WATER DISCHARGES ARE ANTICIPATED AT THIS TIME. CONTAMINATED SOIL OR GROUNDWATER ENCOUNTERED SHALL BE REPORTED IMMEDIATELY TO THE CITY PERSONNEL IN ACCORDANCE WITH PW BULLETIN No. 25. WHEN WATERWORKS IS IMPLEMENTED THE WATER WILL BE DEPOSITED IN A CONTROL AREA ON-SITE TO PREVENT OFF-SITE DISCHARGE AT APPROVED BY PERMIT.
 - EROSION CONTROL DEVICES:
LOCATION AND TYPES OF ALL EROSION CONTROL DEVICES SHALL BE INSTALLED AS DIRECTED BY PLAN AND/OR BY THE CITY OF MIAMI. CONTRACTOR SHALL IMPLEMENT THE SWPP AS PER CONTRACT TERMS. HOWEVER, IT MAY BE REVISED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME WORK IS BEING PERFORMED. FIELD MODIFICATIONS WILL BE APPROVED BY THE CITY OF MIAMI.
MONITORING SHALL BE PERFORMED WEEKLY BASIS AND AFTER A 1/2" STORM EVENT WILL ROUTINE MAINTENANCE AND REPLACEMENT OF ANY DEVICES AS REQUIRED. CONTAINMENT OF REMOVAL OF POLLUTANTS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND CITY OF MIAMI REGULATIONS AND/OR FDOT STANDARD SPECIFICATIONS. THE RESPONSIBLE PERSONS FOR MONITORING AND MAINTAINING THE EROSION CONTROL DEVICES SHALL BE DISPOSED OF OFF-SITE AT AN APPROPRIATE WASTE DISPOSAL FACILITY

3. MAINTENANCE

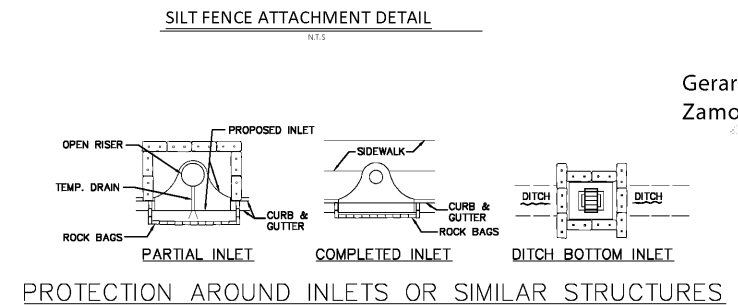
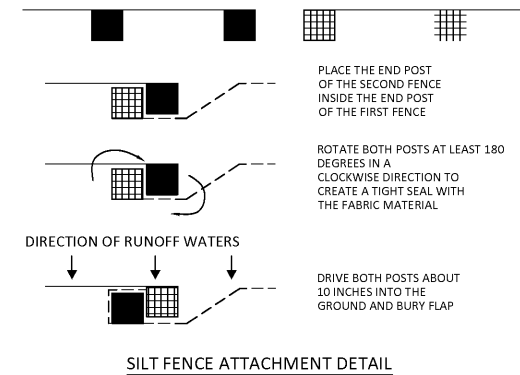
ALL MEASURES WILL MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF THE REPORT. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED 1-3 OF THE HEIGHT OF THE FENCE. PROTECT ALL INLETS SURROUNDING THE CONSTRUCTION SITE. STREET SWEEPING AND DUST PREVENTION MUST BE IMPLEMENTED DAILY.

4. INSPECTION:

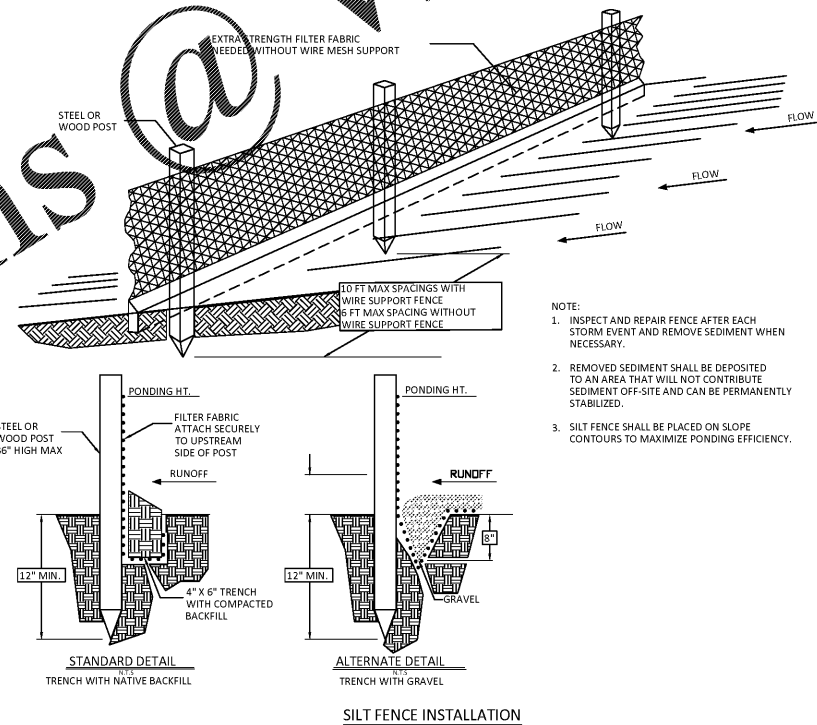
- QUALIFIED PERSONNEL FROM THE CITY AND CONTRACTOR SHALL INSPECT THE FOLLOWING ITEMS DAILY THROUGHOUT THE CONSTRUCTION.
 - PREPARATION OF THE CONTRACTORS WEEKLY REPORT OF INSPECTION, MAINTENANCE AND REPAIRS FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE PAY ITEMS. WHERE SITES HAVE BEEN FINALLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED WEEKLY AND SHALL INCLUDE THE FOLLOWING:
 - DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
 - AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
 - STRUCTURAL CONTROLS
 - STORM WATER MANAGEMENT SYSTEMS
 - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE
 - STREET SWEEPING AND DUST CONTROL
- A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. IF REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF THE REPORT.
- REMOVE EXCESS DIRT FROM ALL ROADS ADJACENT TO PROJECT AREA ON A DAILY BASIS.
- SEDIMENT FOUND IN RAINAGE INSPECTION WILL REQUIRE DRAINAGE SYSTEM CLEANING BY CONTRACTOR.



CONSTRUCTION AREA- WASHOUT AREA
N.T.S.



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
N.T.S.



- NOTE:
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
 - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 - SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

- NOTE:
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

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FT. LAUDERDALE, FLORIDA 33312

OWNER: **ESTEL DEVELOPMENT, LLC**
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MIAMI, FLORIDA 33179

Date	Description	By

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Date: 2020.08.11
08:29:37 -0400

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PROFESSIONAL ENGINEER

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For The Firm By: **GERARDO ZAMORA, P.E.**
FL. Reg. No. 44207
Civil Engineer

Scale: 1" = 20'
Designed By:
Drawn By:
Checked By: **G.Z.**
Date: 2/5/2020
Project No: 2020-17
SHEET No.
C-9