



SOLID WASTE MANAGEMENT		APPLICATIONS
DESCRIPTION	LARGE VOLUMES OF SOLID WASTE ARE OFTEN GENERATED AT CONSTRUCTION SITES INCLUDING: PACKAGING, PALLETS, WOOD WASTE, CONCRETE WASTE, SOIL, ELECTRICAL WIRING, CUTTINGS, AND A VARIETY OF OTHER MATERIALS. THE SOLID WASTE MANAGEMENT PRACTICES LISTED ARE INTENDED TO MINIMIZE THE POTENTIAL OF STORM WATER CONTAMINATION FROM SOLID WASTE THROUGH APPROPRIATE STORAGE AND DISPOSAL PRACTICES.	PERIMETER CONTROL SLOPE PROTECTION SEDIMENT TRAPPING CHANNEL PROTECTION TEMPORARY STABILIZATION PERMANENT STABILIZATION Waste Management Housekeeping Practices
PRIMARY USE	THESE PRACTICES SHOULD BE A PART OF ALL CONSTRUCTION PRACTICES. BY LIMITING THE TRASH AND DEBRIS ON SITE, STORM WATER QUALITY IS IMPROVED ALONG WITH REDUCED CLEAN UP REQUIREMENTS AT THE COMPLETION OF THE PROJECT.	TARGETED CONSTITUENTS
APPLICATIONS	THE SOLID WASTE MANAGEMENT PRACTICE FOR CONSTRUCTION SITES IS BASED ON PROPER STORAGE AND DISPOSAL PRACTICES BY CONSTRUCTION WORKERS AND SUPERVISORS. KEY ELEMENTS OF THE PROGRAM ARE EDUCATION AND MODIFICATION OF IMPROPER DISPOSAL HABITS. COOPERATION AND VIGILANCE IS REQUIRED ON THE PART OF SUPERVISORS AND WORKERS TO ENSURE THAT THE RECOMMENDATIONS AND PROCEDURES ARE FOLLOWED. FOLLOWING ARE LISTS DESCRIBING THE TARGETED MATERIALS AND RECOMMENDED PROCEDURES:	<ul style="list-style-type: none"> ○ SEDIMENT ● NUTRIENTS TOXIC MATERIALS ○ OIL & GREASE ● FLOATABLE MATERIALS ● OTHER CONSTRUCTION WASTES
IMPLEMENTATION REQUIREMENTS	<ul style="list-style-type: none"> ● CAPITAL COSTS ● MAINTENANCE ● TRAINING ○ SUITABILITY FOR SLOPES > 5% 	LEGEND
LEGEND	<ul style="list-style-type: none"> ● SIGNIFICANT IMPACT ● MEDIUM IMPACT ○ LOW IMPACT ? UNKNOWN OR QUESTIONABLE IMPACT 	W-1

CONCRETE WASTE MANAGEMENT		APPLICATIONS
DESCRIPTION	CONCRETE WASTE AT CONSTRUCTION SITES COMES IN TWO FORMS: 1) EXCESS FRESH CONCRETE MIX INCLUDING TRUCK AND EQUIPMENT WASHING, AND 2) CONCRETE DUST AND CONCRETE DEBRIS RESULTING FROM DEMOLITION. BOTH FORMS HAVE THE POTENTIAL TO IMPACT WATER QUALITY THROUGH STORM WATER RUNOFF CONTACT WITH THE WASTE.	PERIMETER CONTROL SLOPE PROTECTION SEDIMENT TRAPPING CHANNEL PROTECTION TEMPORARY STABILIZATION PERMANENT STABILIZATION Waste Management Housekeeping Practices
PRIMARY USE	CONCRETE WASTE IS PRESENT AT MOST CONSTRUCTION SITES. THIS BMP SHOULD BE UTILIZED AT SITES IN WHICH CONCRETE WASTE IS PRESENT.	TARGETED CONSTITUENTS
APPLICATIONS	A NUMBER OF WATER QUALITY PARAMETERS CAN BE AFFECTED BY INTRODUCTION OF CONCRETE - ESPECIALLY FRESH CONCRETE. CONCRETE AFFECTS THE PH OF RUNOFF, CAUSING SIGNIFICANT CHEMICAL CHANGES IN WATER BODIES AND HARMING AQUATIC LIFE. SUSPENDED SOLIDS IN THE FORM OF BOTH CEMENT AND AGGREGATE DUST ARE ALSO GENERATED FROM BOTH FRESH AND DEMOLISHED CONCRETE WASTE.	<ul style="list-style-type: none"> ○ SEDIMENT ● NUTRIENTS TOXIC MATERIALS ○ OIL & GREASE ● FLOATABLE MATERIALS ● OTHER CONSTRUCTION WASTES
IMPLEMENTATION REQUIREMENTS	<ul style="list-style-type: none"> ● CAPITAL COSTS ● MAINTENANCE ● TRAINING ○ SUITABILITY FOR SLOPES > 5% 	LEGEND
LEGEND	<ul style="list-style-type: none"> ● SIGNIFICANT IMPACT ● MEDIUM IMPACT ○ LOW IMPACT ? UNKNOWN OR QUESTIONABLE IMPACT 	W-3

POLLUTION CONTROL GENERAL NOTES:	
1. THIS PLAN HAS BEEN PREPARED TO PROVIDE MEANS TO PREVENT OR MINIMIZE POLLUTION OF STORM WATER.	
2. THIS PROJECT CONSISTS OF THE DEVELOPMENT OF 1 LOT ON A 10.19 ACRE TRACT FOR A LIGHT INDUSTRIAL USE.	
3. THE CONSTRUCTION ACTIVITY INCLUDED IN THIS PLAN WILL INCLUDE:	
A. CLEARING AND GRUBBING	
B. STOCK PILING	
C. ROUGH GRADING	
D. UTILITY INSTALLATION/EXCAVATION OF TRENCHES	
E. FINAL OR FINISH GRADING	
F. PAVEMENT INSTALLATION	
G. BUILDING CONSTRUCTION	
H. PREPARATION OF SEEDING OR PLANTING	
4. BEST MANAGEMENT PRACTICES (STRUCTURAL PRACTICES) USED ON THIS PROJECT COULD INCLUDE: SILT FENCING, CONSTRUCTION ENTRANCE, INLET PROTECTION, OUTLET PROTECTION, SUBSURFACE DRAINS, CHECK DAMS, DRAINAGE SWALES, SEDIMENT TRAPS, EARTH DIKE, PIPE SLOPE DRAINS, EROSION CONTROL MATTING, DETENTION/RETENTION PONDS AND SEDIMENT BASINS.	
5. THE TOTAL ESTIMATED SITE AREA IS 10.19 ACRES. THE TOTAL ESTIMATED SITE AREA TO BE DISTURBED IS 8.85 ACRES. THE TOTAL ESTIMATED SITE AREA NOT TO BE DISTURBED IS 9.34 ACRES.	
6. THE ESTIMATED RUNOFF COEFFICIENT PRIOR TO DEVELOPMENT OF THE PROJECT IS 0.35.	
7. THE ESTIMATED RUNOFF COEFFICIENT UPON COMPLETION OF THE PROJECT IS 0.90.	
8. THE SLOPES EXPECTED ON THE SITE UPON COMPLETION OF FINAL GRADING WILL RANGE BETWEEN 1% TO 30%.	
9. THE STORM WATER EXITING THE SITE IS COLLECTED IN AN EXISTING DRAINAGE SYSTEM MAINTAINED BY THE CITY OF ROCKWALL, TEXAS.	
10. THE NAME OF THE RECEIVING WATER BODY IS LAKE RAY HUBBARD, LOCATED 14,800 FEET APPROXIMATELY FROM THE SUBJECT PROPERTY.	
11. THE SOILS PRESENT AT THE SITE ARE GENERALLY EXPANSIVE CLAYS.	
12. THE CONTRACTOR SHALL PROVIDE EROSION PROTECTION AROUND THE WORK AREA PERIMETER AND AT ALL INLET MOUTHS DURING CONSTRUCTION.	
13. THE CONTRACTOR WILL REMOVE ALL EXCESS SOIL FROM CONSTRUCTION VEHICLES PRIOR TO EXITING THE SITE.	
14. ALL DISTURBED AREAS WHICH WILL NOT BE RE-DISTURBED FOR A MINIMUM OF 14 DAYS MUST BE STABILIZED BY THE CONTRACTOR TO CONTROL EROSION.	
15. THE CONTRACTOR SHALL UNDERTAKE PROPER METHODS TO REDUCE DUST GENERATION FROM THE SITE.	
16. THE CONTRACTOR MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING SEDIMENT AND EROSION CONTROL.	
17. A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN ALONG WITH THE EPA (NPDES) PERMIT MUST BE POSTED AT THE CONSTRUCTION SITE THROUGHOUT THE CONSTRUCTION OF THE PROJECT. IF THE PERMIT HAS NOT BEEN ISSUED, A COPY OF NOTICE OF INTENT (NOI) SHALL BE POSTED.	
18. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF THE TCEQ'S REQUIREMENT OF A NOTICE OF INTENT (NOI) AND THE NOTICE OF TERMINATION (NOT) AND ANY ADDITIONAL REQUIREMENT PER THE TCEQ'S GUIDELINES FOR STORM WATER POLLUTION PREVENTION.	
19. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY.	
20. IF OFF-SITE SOIL BORROW OR SPOIL SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR AND BE RESPONSIBLE FOR EROSION CONTROL REQUIREMENTS AS PER FEDERAL, STATE AND LOCAL REQUIREMENTS.	
21. INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO INSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY. WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR MUD IS BEING TRACKED ONTO A PUBLIC ROADWAY THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH DOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF-SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BEST MANAGEMENT PRACTICE (BMP) TO CONTROL OFF-SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN EFFICIENCY OF THE INSTALLATION.	
22. MAINTENANCE AND INSPECTIONS PROCEDURES: CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF ANY STORM EVENT OF 0.5 INCHES OR GREATER. IF REPAIR IS NECESSARY IT SHALL BE DONE AT THE EARLIEST PRACTICAL DATE BUT IN NO CASE GREATER THAN 48 HOURS.	
23. FINAL STABILIZATION IS DEFINED AS A UNIFORM PERENNIAL VEGETATIVE COVER AT A MINIMUM OF 70% RESTORATION OF THE NATIVE OR NATURAL PREEXISTING BACKGROUND COVER FOR THE AREA.	
24. SEDIMENTATION PONDS/TRAPS MUST BE CLEANED OUT WHEN SEDIMENTATION ACCUMULATES TO A POINT OF 50% FULL (BY VOLUME).	
25. CONTRACTOR SHALL SEED ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF FINAL GRADING.	
SEQUENCE OF EROSION CONTROL BEST MANAGEMENT PRACTICES:	
1. INSTALL DOWN SLOPE AND SIDE SLOPE PERIMETER CONTROLS PRIOR TO THE LAND DISTURBING ACTIVITIES.	
2. DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.	
3. COVER AND STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE (WITHIN A MAXIMUM OF 14 DAYS).	
4. TIME ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.	
5. DELAY CONSTRUCTION OF INFILTRATION MEASURES UNTIL THE END OF THE CONSTRUCTION PROJECT, WHEN UPSTREAM DRAINAGE AREAS HAVE BEEN STABILIZED.	
6. DO NOT REMOVE TEMPORARY PERIMETER CONTROLS UNTIL AFTER ALL UPSTREAM AREAS ARE FINAL STABILIZED.	
ALLOWABLE NON-STORM WATER DISCHARGES	
● DISCHARGES FROM FIRE FIGHTING ACTIVITIES.	
● FIRE FIGHTING FLUSHINGS.	
● WATER USED TO WASH VEHICLES OR CONTROL DUST.	
● POTABLE WATER SOURCES (INCLUDING WATERLINE FLUSHINGS CONTAINING LESS THAN 1000 GALLONS).	
● UNCONTAMINATED GROUND WATER (INCLUDING DEWATERING GROUNDWATER INFILTRATION), FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS.	
● SPRINGS, RIPARIAN HABITATS, WETLANDS AND UNCONTAMINATED GROUNDWATER IRRIGATION WATER.	
● EXTERIOR BUILDING WASH DOWN WITHOUT DETERGENTS.	
● PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILL MATERIAL HAS BEEN REMOVED) AND WHERE DETERGENTS ARE NOT USED.	
● AIR CONDITIONING CONDENSATE.	
● HEAVILY CHLORINATED WATER (3.5 MG/L OR GREATER FREE CHLORINE) RESULTING FROM WATER LINE STABILIZATION SHALL BE DIRECTED UNDER PERMIT TO THE SANITARY SEWER UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL APPLY TO THE ENGINEERING DEPARTMENT FOR A SANITARY SEWER DISCHARGE PERMIT AFTER THE MANDATORY CHLORINE RETENTION TIME (USUALLY 24 HOURS). THE HEAVILY CHLORINATED WATER MAY BE DISCHARGED TO THE SANITARY SEWER, BEGINNING TWO WORKING DAYS AFTER PERMIT APPLICATION.	
SPILLS AND RELEASES: (OF REPORTABLE QUANTITIES)	
THE FOLLOWING STEPS SHALL BE TAKEN	
1. NOTIFY THE NATIONAL RESPONSE CENTER (800) 424-8802 OR (202) 426-2675 AS SOON AS YOU HAVE KNOWLEDGE OF THE SPILL.	
2. THE SWPPP MUST BE MODIFIED WITHIN 14 DAYS TO PROVIDE A DESCRIPTION OF THE RELEASE, THE CIRCUMSTANCES LEADING TO THE RELEASE AND THE DATE OF THE RELEASE.	

RECORD DRAWINGS:
IT WAS THE INTENT THAT THE IMPROVEMENTS SHOWN BE CONSTRUCTED ACCORDING TO THESE PLANS AS APPROVED BY THE CITY. THE LINES AND GRADES WERE SET ON THE GROUND FOR CONSTRUCTION ACCORDING TO SAID PLANS. THE CITY INSPECTED THE CONSTRUCTION. WE ARE NOT AWARE OF ANY CHANGES OR REVISIONS TO THESE PLANS DURING CONSTRUCTION OTHER THAN THOSE SHOWN. TO THE BEST OF OUR KNOWLEDGE, WESTWOOD PROFESSIONAL SERVICES, INC. HEREBY STATES THAT THIS PLANS IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR. DATE: 02-08-2021

DESIGNED:	AW5
CHECKED:	AW5
DRAWN:	WTW
HORIZONTAL SCALE:	
VERTICAL SCALE:	

INITIAL ISSUE:	11-08-2019
REVISIONS:	
1	03-16-2020 SITE REVISIONS
2	05-13-2020 FOR CONSTRUCTION
3	12-16-2020 REMOVE AND REPLACE SIDEWALK ALONG JUSTIN ROAD
4	02-05-2021 REVISED ENTRY PLAZA AREA
5	02-08-2021 RECORD DRAWINGS

PREPARED FOR:

PROSS DESIGN GROUP, INC.

5310 HARVEST HILL ROAD, SUITE 180
DALLAS, TEXAS 75230

11-08-2019



SPR OFFICE ADDITION

ROCKWALL, TEXAS

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Westwood Professional Services, Inc.
TYPE FIRM REGISTRATION NO. F-11756
TYPE FIRM REGISTRATION NO. 10074301

EROSION CONTROL
DETAILS (SWPPP)

SHEET NUMBER:
4.02

DATE: 11-08-2019

11-08-2019