

STORM WATER POLLUTION PREVENTION PLAN SPECIFIC NOTES

- THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WAS DEVELOPED AT THE REQUEST OF THE OWNER, DELBERT MORRIS, FOR THE CONSTRUCTION OF A RESIDENCE IN THE CITY OF LIBERTY, COUNTY OF WEBER, STATE OF UTAH. THIS PLAN IDENTIFIES POTENTIAL SOURCES OF POLLUTANTS OF STORM WATER, PRESENTS POLLUTION CONTROL MEASURES, AND ASSISTS IN INSURING IMPLEMENTATION AND MAINTENANCE OF THE BEST MANAGEMENT PRACTICES COMPO UNDOCTED TEXT.
- ALL CONTRACTORS AND THEIR PERSONNEL WHOSE WORK CAN CONTRIBUTE TO OR CAUSE POLLUTION OF STORM WATER SHALL BE MADE FAMILIAR WITH THIS POLLUTION PREVENTION PLAN. ADEQUATE TRAINING PROVIDED BY THE PERMITTEE FOR IMPLEMENTATION OF THE MEASURES PRESENTED HEREIN SHALL BE PROVIDED TO THE CONTRACTORS AND THEIR PERSONNEL.
- ALL PREVENTION AND CLEAN UP MEASURES SHOULD BE CONDUCTED IN ACCORDANCE WITH WEBER COUNTY ORDINANCES, AS WELL AS STATE AND FEDERAL REGULATIONS. WASTE MATERIALS SHOULD BE DISPOSED OF IN A LEGAL MANNER. ALL DISCHARGES OF STORM WATER MUST COMPLY WITH THE LAWFUL REQUIREMENTS OF WEBER COUNTY AND OTHER LOCAL AGENCIES REGARDING THE DISCHARGES OF STORM WATER TO STORM DRAINS.
- THIS PLAN DOES NOT COVER THE REMOVAL OF HAZARDOUS OR TOXIC WASTE. IN THE EVENT OF A DISCHARGE OR RELEASE OF A REPORTABLE QUANTITY OF TOXIC WASTE, WORK SHOULD BE STOPPED UNTIL THE SPILL CAN BE ASSESSED AND A MITIGATED IN REPORT PREPARED BY A QUALIFIED ENVIRONMENTAL CONSULTANT, AND IF NECESSARY, REVIEWED BY WEBER COUNTY AND ANY OTHER AGENCY HAVING JURISDICTION.
- THIS SWPPP SHALL BE MADE AVAILABLE TO THE PUBLIC UNDER SECTION 306B(2) OF THE CLEAN WATER ACT. UPON REQUEST BY MEMBERS OF THE PUBLIC, THE DISCHARGER SHALL MAKE AVAILABLE FOR A REVIEW A COPY OF THIS SWPPP EITHER TO BE OR DIRECTLY TO THE REQUESTER. THIS SWPPP MUST BE KEPT IN SIGHT DURING CONSTRUCTION ACTIVITY AND MADE AVAILABLE UPON REQUEST BY A REPRESENTATIVE OF THE UTAH DEPARTMENT OF WATER QUALITY DIVISION OR THE LOCAL AGENCY.
- CONTACTS
CONTRACTOR

STATE OF UTAH
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY
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PO BOX 144690
SALT LAKE CITY UT 84114-4670

RAND FISHER
801 533-6005

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ENVIRONMENTAL PROTECTION AGENCY
DENVER, COLORADO

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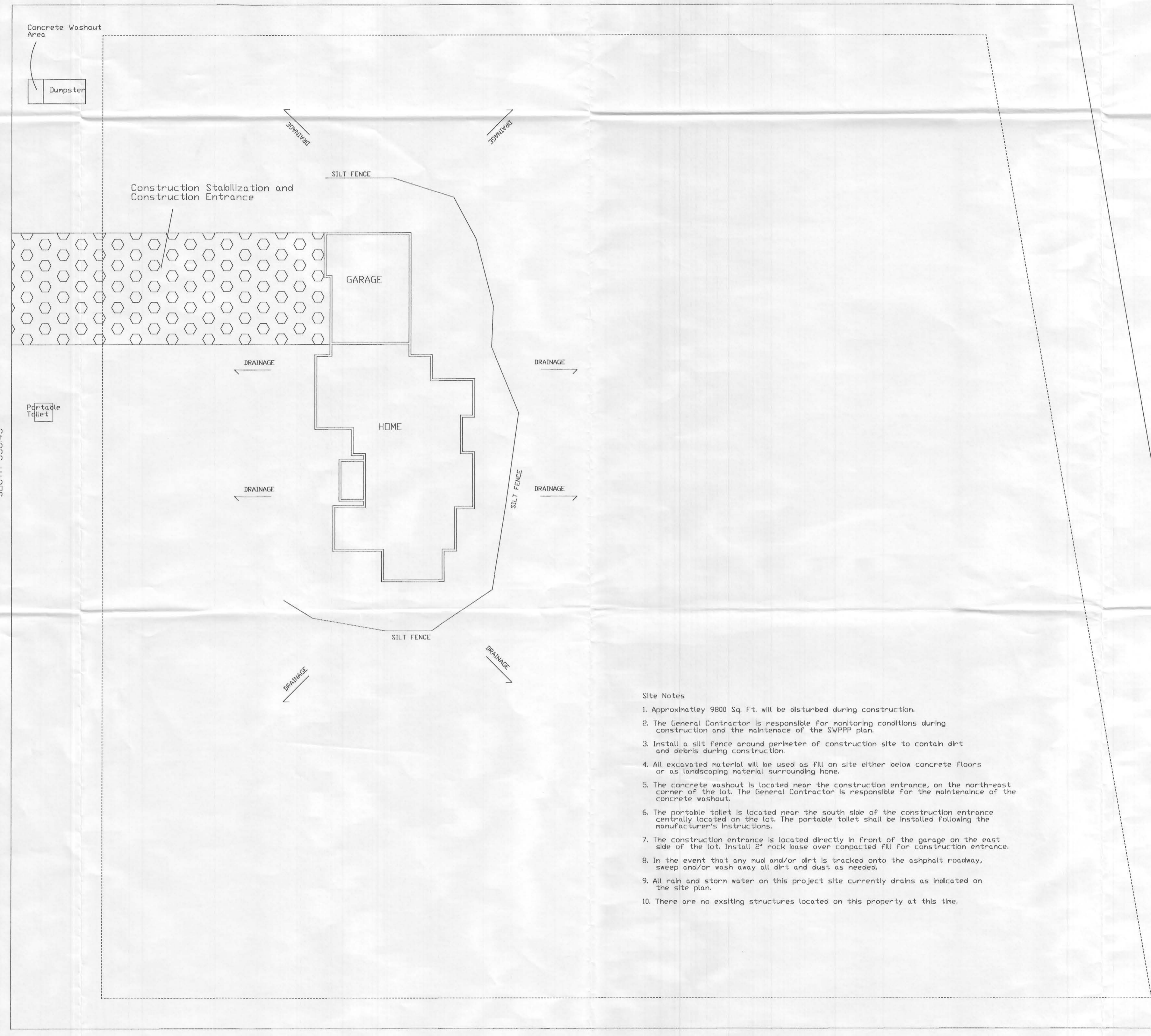
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- REFERENCES
A. SITE PLAN PER CREATIVE LINE LLC DATED JAN 13, 2016.
B. STORMWATER POLLUTION PREVENTION PLAN PREPARED BY CREATIVE LINE LLC DATED JAN 13, 2016.
- THE PROPOSED CONSTRUCTION ACTIVITY IS CONSTRUCTION OF A RESIDENCE FOR DELBERT MORRIS.
- LOCATION OF THE SITE
THE PROJECT IS LOCATED AT 4003 NORTH 2900 EAST LIBERTY, UTAH.
- RUNOFF COEFFICIENT FOR THIS SITE IS ABOUT 0.10. THIS MEANS THAT ABOUT 10% OF THE SITE IS COVERED WITH AN IMPERVIOUS SURFACE SUCH AS CONCRETE, ASPHALT, OR A BUILDING, AND THAT ABOUT 90% OF THE SITE HAS A PERVIOUS SURFACE SUCH AS LANDSCAPING AND PLANTING AREAS.
- THE EXISTING NATIVE SUBSURFACE SOILS ARE GENERALLY SILTY CLAY OVER SILTY SAND. THE EXISTING GROUND WATER TABLE IS ASSUMED TO BE AT A DEPTH OF 10 FEET BELOW THE SURFACE. THE EXISTING STORM WATER QUALITY IS TYPICAL OF STORM WATER FLOWING FROM DEVELOPED, SUBURBAN AREAS.
- A. THE EXISTING SITE CONSISTS OF LIMITED VEGETATION. PRE-CONSTRUCTION RUNOFF COEFFICIENT = 0.10
B. THE PROPOSED SITE WILL CONSIST OF A YARD WITH VEGETATION AND LANDSCAPING WITH LANDSCAPING A POST-CONSTRUCTION RUNOFF COEFFICIENT = 0.10
13. SITE IMPROVEMENT PLANS FOR SITE DRAINAGE
START DATE _____
FINISH DATE _____
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND TIMING OF THE STORM WATER POLLUTION CONTROL MEASURES FOR THIS PROJECT. THE DISCHARGER IS RESPONSIBLE FOR MAINTENANCE OF THE MEASURES ARE TO BE IN PLACE BY THE START DATE LISTED ABOVE.

STORM WATER POLLUTION PREVENTION PLAN GENERAL NOTES

- PROHIBITION ON MOST NON-STORM WATER DISCHARGES
ONLY STORM WATER FROM THE PROJECT SITE SHALL BE ALLOWED TO FLOW INTO THE ON-SITE DRAINAGE (SEWER, CLEAN, NON-DRINKABLE) WATER FROM THE FLOODING OF FIRE HYDRANTS, WATER MAINS, AND STORM DRAINS MAY BE DISCHARGED TO THE FLOODING. IF IT IS NOT ALLOWED TO COLLECT DIRT, DEBRIS, AND TANK WASH FLOWING TO THE DRAINAGE ENTRANCE.
- SOURCES OF STORM WATER POLLUTANTS
STORM WATER POLLUTANTS INCLUDE: SOIL, SEDIMENT AND NUTRIENTS, OIL, GREASE, TOXIC POLLUTANTS, AND HEAVY METALS. SOURCES OF STORM WATER POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOIL EROSION BY WATER AND/OR WIND; OFF-ROAD VEHICLES, CONSTRUCTION EQUIPMENT, AND EQUIPMENT MAINTENANCE; WASHING OF CONCRETE TRUCKS, MIXERS, AND HANDLING EQUIPMENT; PAINTS; SOLVENTS AND ADHESIVES; AND LANDSCAPING WORK.
- EROSION AND SEDIMENT CONTROLS
1. COVER EXPOSED STOCKPILES OF SOILS, CONSTRUCTION AND LANDSCAPING MATERIALS WITH HEAVY PLASTIC SHEETING.
2. IN LANDSCAPING AREAS WHERE THE VEGETATION HAS NOT ESTABLISHED GROWTH AND TAKEN HOLD, CONSTRUCT SANDING OR BERT BARRIERS AROUND THEIR PERIMETER TO INSURE THAT WATER WILL BE CONTAINED INSIDE THE LANDSCAPING AREA AND THAT IT WILL NOT BE CONVEYED TO THE DRAINAGE ENTRANCE.
3. RE-VEGETATE AREAS WHERE LANDSCAPING HAS DIED OR NOT TAKEN HOLD.
4. DIVERT STORM WATER AWAY FROM DISTURBED SOILS WITH BARRIERS OR DIRT SWALES.
- OTHER CONTROLS
1. WASTE DISPOSAL
A. KEEP WASTE DISPOSAL CONTAINERS COVERED.
B. PROVIDE FOR THE WASTE FOR MORE FREQUENT, IF NECESSARY, DISPOSAL OF WASTE CONTAINERS.
C. PROVIDE CONTAINERS AT CONVENIENT LOCATIONS AROUND THE SITE.
2. SWEEPING OF SITE
A. PROVIDE DAILY SWEEPING BY HAND OR MECHANICAL MEANS TO KEEP THE PAVED AREAS OF THE SITE FREE OF DIRT, DUST, AND DEBRIS.
B. DISPOSE OF ACCUMULATED DIRT IN WASTE CONTAINERS, OR HAUL IT OFF THE SITE TO A LANDFILL.
3. SANITARY/SEPTIC DISPOSAL
PORTABLE TOILETS AND OTHER SANITARY FACILITIES SHALL BE SERVICED WEEKLY AND PUMPED CLEAN BY A WASTE DISPOSAL COMPANY. NO TOXIC OR HAZARDOUS WASTE SHALL BE DISPOSED IN A PORTABLE TOILET OR IN THE ON-SITE SANITARY SEWER.
4. SPILLS
A. STORE ADEQUATE ABSORBENT MATERIALS, RAGS, BRUSHES, SHOVELS, AND WASTE CONTAINERS ON THE SITE TO CLEAN UP SPILLS OF MATERIALS SUCH AS FUEL, PAINT, SOLVENTS, OR CLEANERS. CLEAN UP SPILLS IMMEDIATELY.
B. FOR REPORTABLE QUANTITY OF HAZARDOUS OR TOXIC SUBSTANCE, SECURE THE SERVICES OF QUALIFIED PERSONNEL FOR CLEAN UP AND DISPOSAL.
5. CONTROLS OF ALLOWABLE NON-STORM WATER DISCHARGES
LANDSCAPING IRRIGATION, LEAKING CONTROLS MEASURES, PIPE FLESHING AND TESTING, AND PAVEMENT WASHING ARE ALLOWED IF THEY CANNOT BE AVOIDED. THEY MUST BE CONDUCTED IN ACCORDANCE WITH THE PLAN. THEY MUST NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS, AND ARE NOT REQUIRED TO BE PERMITTED BY THE LOCAL REGIONAL WATER QUALITY CONTROL BOARD.
6. VEHICLES AND EQUIPMENT
A. FIX LEAKS OF FUEL, OIL, AND OTHER SUBSTANCES IMMEDIATELY.
B. PERFORM REPAIRS AND SERVICES OF VEHICLES OR EQUIPMENT OFF-SITE WHEN POSSIBLE. IF REPAIRS OR SERVICES OF EQUIPMENT IS PERFORMED ON SITE, THEN PROVIDE AN IMPERVIOUS, CONTAINED AREA WHERE ANY SPILLS CAN BE CONTAINED WITHOUT FLOWING TO A STORM WATER INLET OR INTO THE GROUND.
7. CONCRETE TRUCKS, MIXERS AND HANDLING EQUIPMENT
A. DO NOT DISPOSE OF WASTEWATER FROM THE WASHING OF CONCRETE TRUCKS, MIXERS, AND HANDLING EQUIPMENT INTO STORM WATER INLETS OR INTO THE GROUND.
B. PROVIDE A HOLDING TANK TO RECEIVE ANY WASHWATER FROM CONCRETE EQUIPMENT. DISPOSAL OF TANK CONTENTS SHALL BE BY WASTE HANDLING FIRM.
C. PROVIDE A DESIGNATED AREA FOR WASHING ANY VEHICLES OR EQUIPMENT. DRAINAGE FROM THIS AREA SHOULD FLOW TO THE HOLDING TANK.
8. LANDSCAPING OPERATIONS
A. USE ONLY THE MINIMUM AMOUNT OF LANDSCAPING FERTILIZERS, NUTRIENTS, AND OTHER CHEMICALS THAT ARE NEEDED.
B. DO NOT OVER WATER FERTILIZED OR TREATED LANDSCAPE AREAS. MINIMIZE RUNOFF OF IRRIGATION WATER FROM LANDSCAPING.
9. STORM WATER INLETS
KEEP ALL ON-SITE STORM WATER INLETS CLEAN AND FREE OF DIRT AND DEBRIS. IN THE EVENT THAT SEDIMENT AND DEBRIS MAY FLOW TO AN INLET, PROVIDE AN 18 INCH MINIMUM STRAIN BARREL AROUND THE INLET TO TRAP THE DIRT AND DEBRIS AND ALLOW ONLY CLEAN STORM WATER TO ENTER THE INLET.
- INSPECTION
1. REGULAR INTERVAL INSPECTION AND INSPECTION BEFORE AND AFTER STORMS
A. VISUALLY INSPECT THE SITE WEEKLY TO INSURE THAT STORM WATER INLETS ARE FREE OF DIRT AND DEBRIS.
B. BEFORE A STORM, INSPECT THE SITE TO INSURE THAT STORM WATER POLLUTION CONTROL MEASURES ARE IN PLACE.
C. AFTER A STORM, INSPECT ALL STORM WATER INLETS TO INSURE THAT THEY ARE CLEAR OF DIRT AND DEBRIS. CLEAN THESE STORM WATER INLETS THAT ARE NOT CLEAR AND FREE OF DEBRIS.
D. THE UTAH DEPT WATER QUALITY DIVISION MAY REQUIRE THE DISCHARGER TO CONDUCT ADDITIONAL SITE INSPECTIONS, SUBMIT REPORTS AND CERTIFICATIONS, OR TO PERFORM SAMPLING AND ANALYSIS.
2. ALL DISCHARGERS ARE REQUIRED TO CONDUCT INSPECTIONS OF THE CONSTRUCTION SITE PRIOR TO ANTICIPATED STORM EVENTS AND AFTER ACTUAL STORM EVENTS, TO IDENTIFY AREAS CONTRIBUTING TO A STORM WATER DISCHARGE, TO EVALUATE WHETHER MEASURES TO REDUCE POLLUTANT LOADINGS IDENTIFIED IN THIS SWPPP ARE ADEQUATE, TO PREPARE A REPORT, AND TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT, AND TO DETERMINE WHETHER ADDITIONAL CONTROL PRACTICES ARE NEEDED.
3. PREPARATION OF REPORTS AND RETENTION OF RECORDS
A. WITH DISCHARGER MUST COMPLETE ANNUALLY THAT THIS CONSTRUCTION ACTIVITY IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE GENERAL PERMIT AND RECORDS OF ALL DATA USED TO COMPLETE THE REPORT.
B. THE DISCHARGER IS REQUIRED TO RETAIN RECORDS OF ALL MONITORING INFORMATION, COPIES OF ALL REPORTS REQUIRED BY THE GENERAL PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE REPORT, OR INTENT FOR CONSTRUCTION ACTIVITY FOR A PERIOD OF AT LEAST THREE YEARS. THIS PERIOD MAY BE EXTENDED BY A REQUEST OF THE STATE WITH THE EXCEPTION OF NONCOMPLIANCE REPORTING. DISCHARGERS ARE NOT REQUIRED TO SUBMIT THE RECORDS EXCEPT UPON SPECIFIC REQUEST BY THE STATE DEPT DIVISION OF WATER QUALITY.
C. DISCHARGERS WHO CANNOT CERTIFY COMPLIANCE MUST NOTIFY THE STATE DEPT DIVISION OF WATER QUALITY. THIS NOTIFICATION SHALL INCLUDE THE TYPE OF NONCOMPLIANCE, DESCRIBE THE ACTIONS NECESSARY TO ACHIEVE COMPLIANCE, AND INCLUDE A TIME SCHEDULE. SUBJECT TO THE AUTHORITY OF THE STATE DEPT DIVISION OF WATER QUALITY, INDICATING WHEN COMPLIANCE WILL BE ACHIEVED. NONCOMPLIANCE REPORTS MUST BE SUBMITTED WITHIN 30 DAYS OF THE IDENTIFICATION OF NONCOMPLIANCE.
- MAINTENANCE OF CONTROLS
1. MAINTENANCE AND REPAIR
ALL CONTROLS AND MEASURES INDICATED ON THIS PLAN SHOULD BE MAINTAINED IN GOOD AND EFFECTIVE CONDITION. IF ANY CONTROLS OR MEASURES ARE DAMAGED OR REMOVED, THEY SHOULD BE PROMPTLY REPAIRED OR RESTORED.
2. PLAN REVISIONS
IF CONSTRUCTION ACTIVITY OR CONDITIONS CHANGE FROM THOSE SHOWN IN THIS PLAN, THEN THIS PLAN SHALL BE REVISED TO REFLECT THE CURRENT CONDITIONS.
3. FINAL STABILIZATION AND POST CONSTRUCTION CONTROLS
1. STABILIZATION PRACTICES MAY INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SOIL STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION BY TREES, PRESERVATION OF NATURAL VEGETATION AND OTHER APPROPRIATE MEASURES. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. IN ALL CASES, WITHIN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED EXCEPT AS NOTED.
2. AFTER CONSTRUCTION HAS BEEN COMPLETED, THE SITE SHALL BE SWEEPED CLEAN, STORM WATER INLETS, GUTTERS, AND DRAINAGE SHALL BE CLEANED, AND ALL WASTE AND LEFTOVER MATERIALS SHALL BE REMOVED FROM SITE.
3. ALL LANDSCAPING AND PLANTING AREAS SHOULD BE WELL MAINTAINED TO PREVENT EROSION, AVOID OVER WATERING OF LANDSCAPING.
4. ALL PAVED AREAS SHOULD BE SWEEPED WEEKLY EITHER BY HAND OR BY MECHANICAL MEANS TO KEEP THE SITE CLEAN OF DIRT, DUST, AND DEBRIS.
5. WASTE MATERIAL ON-SITE SHOULD BE STORED IN COVERED CONTAINERS WHICH ARE CLEANED OUT OFTEN.
6. TESTING OF FIRE HYDRANTS ON-SITE SHALL NOT BE CONDUCTED UNTIL THE AREA WHERE THE WATER DISCHARGES HAS BEEN SWEEPED CLEAN OF DIRT AND DEBRIS.
7. STORM DRAIN LINES SHOULD BE CHECKED AND CLEANED ANNUALLY TO KEEP THEM CLEAN AND CLEAR OF DEBRIS.
8. ALL ON-SITE STORM WATER INLETS SHOULD BE CLEARLY MARKED "STORM WATER ONLY".
9. COMPLETION OF CONSTRUCTION ACTIVITIES AND NOTICE OF TERMINATION
WHEN CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED ON THIS SITE, THE OWNER SHALL FILE A LETTER WITH THE STATE DEPT DIVISION OF WATER QUALITY. THIS LETTER SHALL CERTIFY THAT THE CONSTRUCTION ACTIVITY HAS BEEN COMPLETED AND THAT ALL TERMS OF THE SWPPP HAVE BEEN IMPLEMENTED. THAT CONSTRUCTION AND EQUIPMENT MAINTENANCE WASTES HAVE BEEN DISPOSED OF PROPERLY, THAT THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROLS REQUIREMENTS, PRACTICES, AND GUIDELINES.

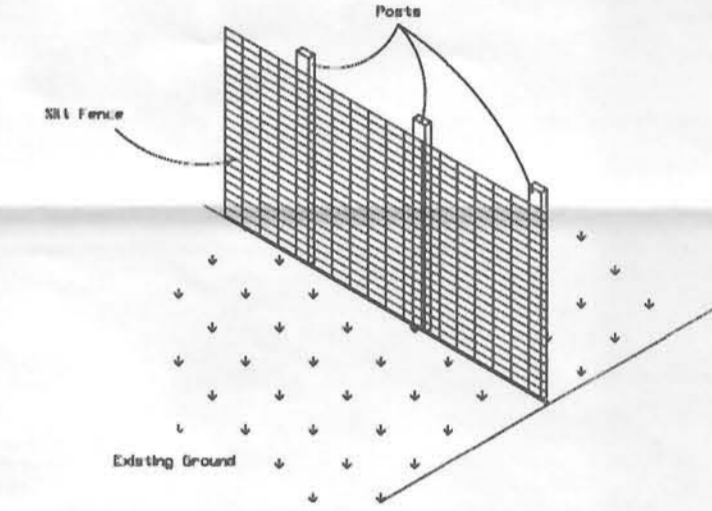
WEST 349.70'



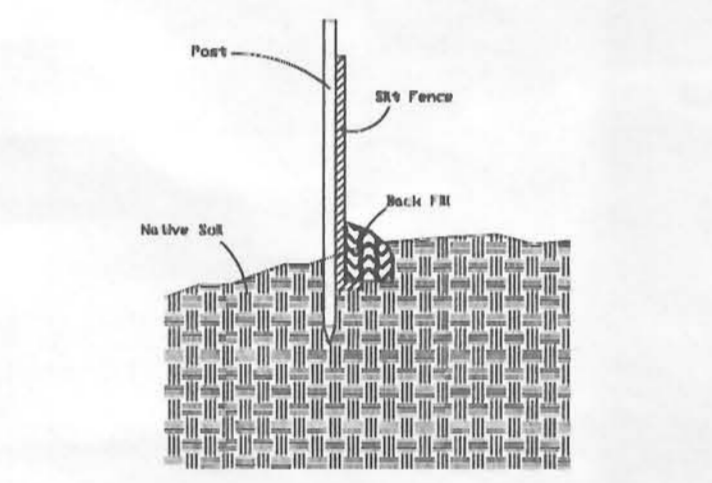
Morris Residence
Land Serial #220090007
4003 North 2900 East
Liberty, Utah

Area: 2.67 Acres
Scale: 1" = 16'

Property Line
Building Setbacks



Silt Fence Detail



Silt Fence Detail

Site Notes

- Approximately 9800 Sq. Ft. will be disturbed during construction.
- The General Contractor is responsible for monitoring conditions during construction and the maintenance of the SWPPP plan.
- Install a silt fence around perimeter of construction site to contain dirt and debris during construction.
- All excavated material will be used as fill on site either below concrete floors or as landscaping material surrounding home.
- The concrete washout is located near the construction entrance, on the north-east corner of the lot. The General Contractor is responsible for the maintenance of the concrete washout.
- The portable toilet is located near the south side of the construction entrance centrally located on the lot. The portable toilet shall be installed following the manufacturer's instructions.
- The construction entrance is located directly in front of the garage on the east side of the lot. Install 2" rock base over compacted fill for construction entrance.
- In the event that any mud and/or dirt is tracked onto the asphalt roadway, sweep and/or wash away all dirt and dust as needed.
- All rain and storm water on this project site currently drains as indicated on the site plan.
- There are no existing structures located on this property at this time.

Homeowner:
Delbert & Joy Morris
801 791-7420

General Contractor:

MORRIS RESIDENCE
4003 North 2900 East
Liberty, Utah

DESCRIPTION:
SWPPP PLAN

Scale: 1/16" = 1 Foot

Creative Line L.L.C.
Custom Home Solutions
CreativeLinePlans.com
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EAST 408.25'