

INSTALLATION

THE SILT TRENCH SHOULD BE INSTALLED PRIOR TO MAJOR SOIL DISTURBANCES IN THE DRAINAGE AREA. THE FENCE SHOULD BE PLACED ACROSS THE SLOPE ALONG A LINE OF ANTI-CORROSION MATERIAL. STAKES GENERAL SPACING SHOULD BE MAXIMUM SLOPE LENGTHS (SLOPE SPACING APPLICATIONS) AT VARIOUS SITE GRADES FOR MOST SILT FENCE APPLICATIONS.

SLOPE STEEPNESS MAX. SLOPE LENGTH (%)	(F1)
<2%	100FT
2-5%	75FT
5-10%	50FT
10-20%	25FT
>20%	15FT

PREFABRICATED SILT FENCE ROLLS

- EXCAVATE A MINIMUM 6"x6" TRENCH AT THE DESIRED LOCATION
- DRIVE NEW SILT FENCE POSTS THROUGH THE TRENCH
- ADJACENT ROLLS OF SILT FENCE SHOULD BE JOINED AGAINST THE END POST OF ONE FENCE INTO ANOTHER, BEFORE NESTING THE END POSTS, ROTATE EACH POST UNTIL THE GEOTEXTILE IS WRAPPED COMPLETELY AROUND THE POST, THEN ABOUT THE END POSTS, ROTATE THE POSTS, THEN ABOUT THE END POSTS, AND / OR ANCHORAGE IS OBTAINED.
- DRIVE POSTS INTO GROUND UNTIL THE REQUIRED FENCE HEIGHT AND / OR ANCHORAGE IS OBTAINED.
- BURY THE LOOSE GEOTEXTILE AT THE BOTTOM OF THE TRENCH IN THE UPSTREAM TRENCH AND BACKFILL WITH NATURAL SOIL.
- TAMPER THE BACKFILL TO PROVIDE GOOD COMPACTION AND ANCHORAGE TO THE SILT FENCE.
- INSTALLATION AND ANCHOR TRENCH PLACEMENT.

FIELD ASSEMBLY:

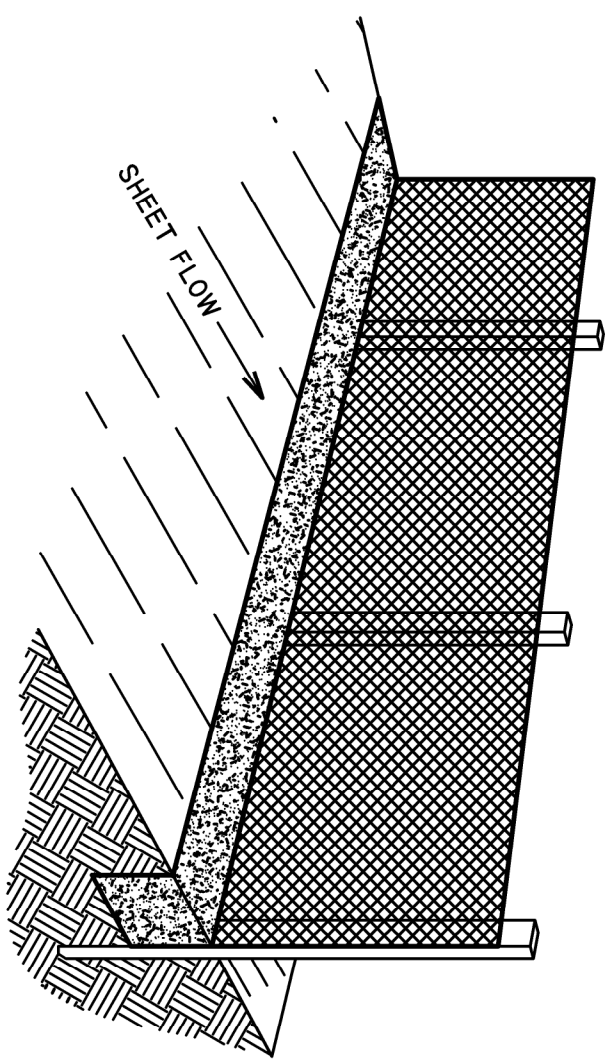
- EXCAVATE A MINIMUM 6"x6" TRENCH AT THE DESIRED LOCATION
- DRIVE WOODEN POSTS OR STEEL POSTS WITH FASTENING DEVICES THROUGH THE TRENCH
- IF A STEEL OR PLASTIC MESH IS REQUIRED TO REINFORCE THE GEOTEXTILE, IT SHALL HAVE A MINIMUM MESH OPENING OF 6".
- MAXIMUM POST SPACING SHOULD BE 8'-10', POST SPACING SHOULD GENERALLY BE LESS THAN (3) TIMES THE HEIGHT OF THE FENCE.
- FRESH TO THE UPSCALE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES, THE WIRES OR HOSS STAPLES, EXTEND THE WIRE MESH INTO THE BOTTOM OF THE TRENCH.
- THE GEOTEXTILE SHALL THEN BE STAPLED OR WIRED TO THE POSTS, AN EXTRA 8"-20" OF GEOTEXTILE SHALL EXTEND INTO THE TRENCH.

INSPECTION:

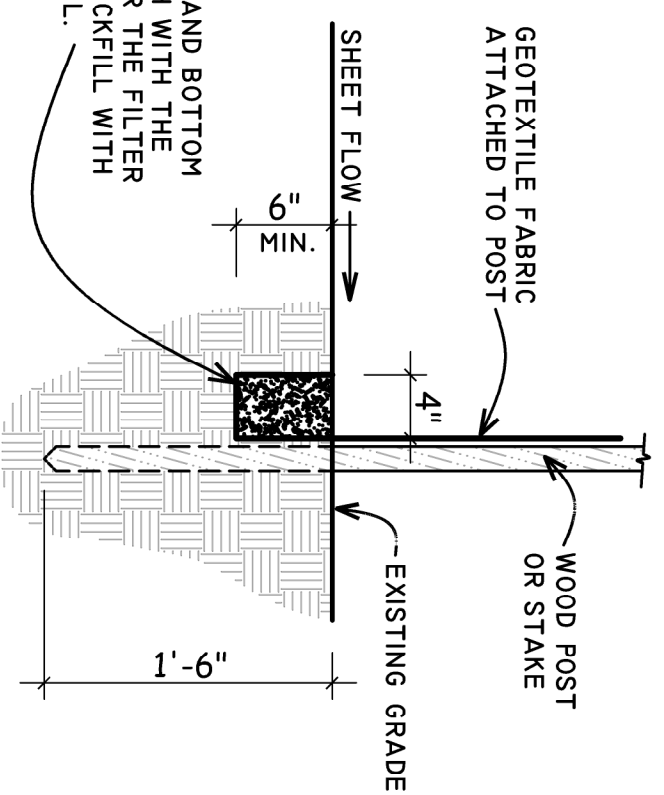
- INSPECT THE SILT TRENCH DAILY DURING PERIODS OF RAINFALL, IMMEDIATELY AFTER SIGNIFICANT RAINFALL EVENT AND WEEKLY DURING PERIODS OF NO RAINFALL. MAKE ANY REPAIRS IMMEDIATELY.
- WHEN SEDIMENT DEPOSITS BEHIND THE SILT FENCE ARE ONE-THIRD OF THE SILT FENCE HEIGHT, REMOVE AND PROPERLY DISPOSE OF THE SILT ACCUMULATIONS. AVOID DAMAGE TO THE FABRIC DURING CLEANOUT.

REMOVAL:

- SILT FENCE SHOULD NOT BE REMOVED UNTIL CONSTRUCTION CEASES AND THE UPSLOPE AREA HAS BEEN PROPERLY STABILIZED AND OR REVEGETATED.



PERSPECTIVE VIEW



SECTION VIEW

FIGURE 2

SILT FENCE DETAIL

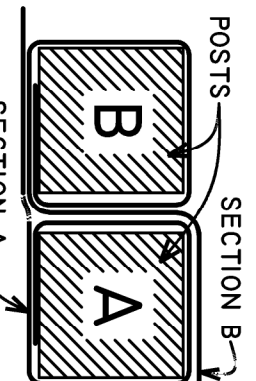
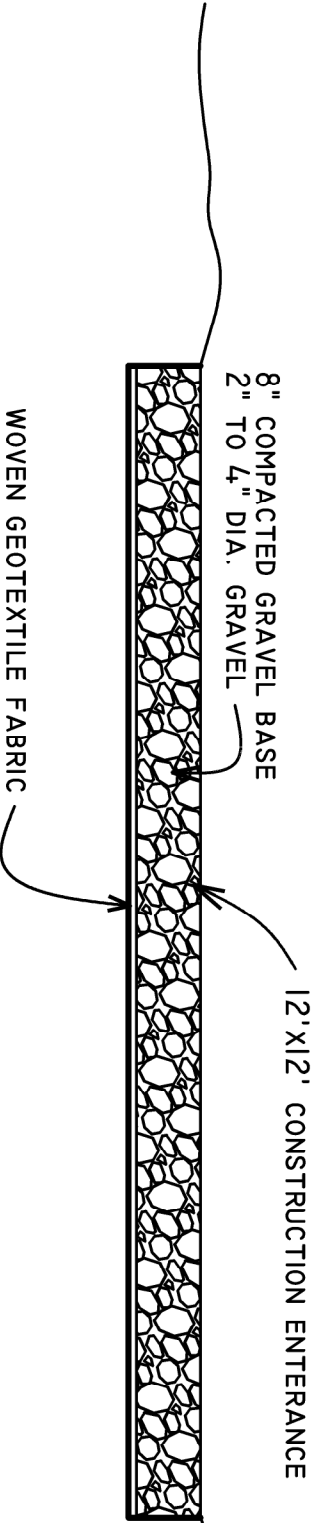


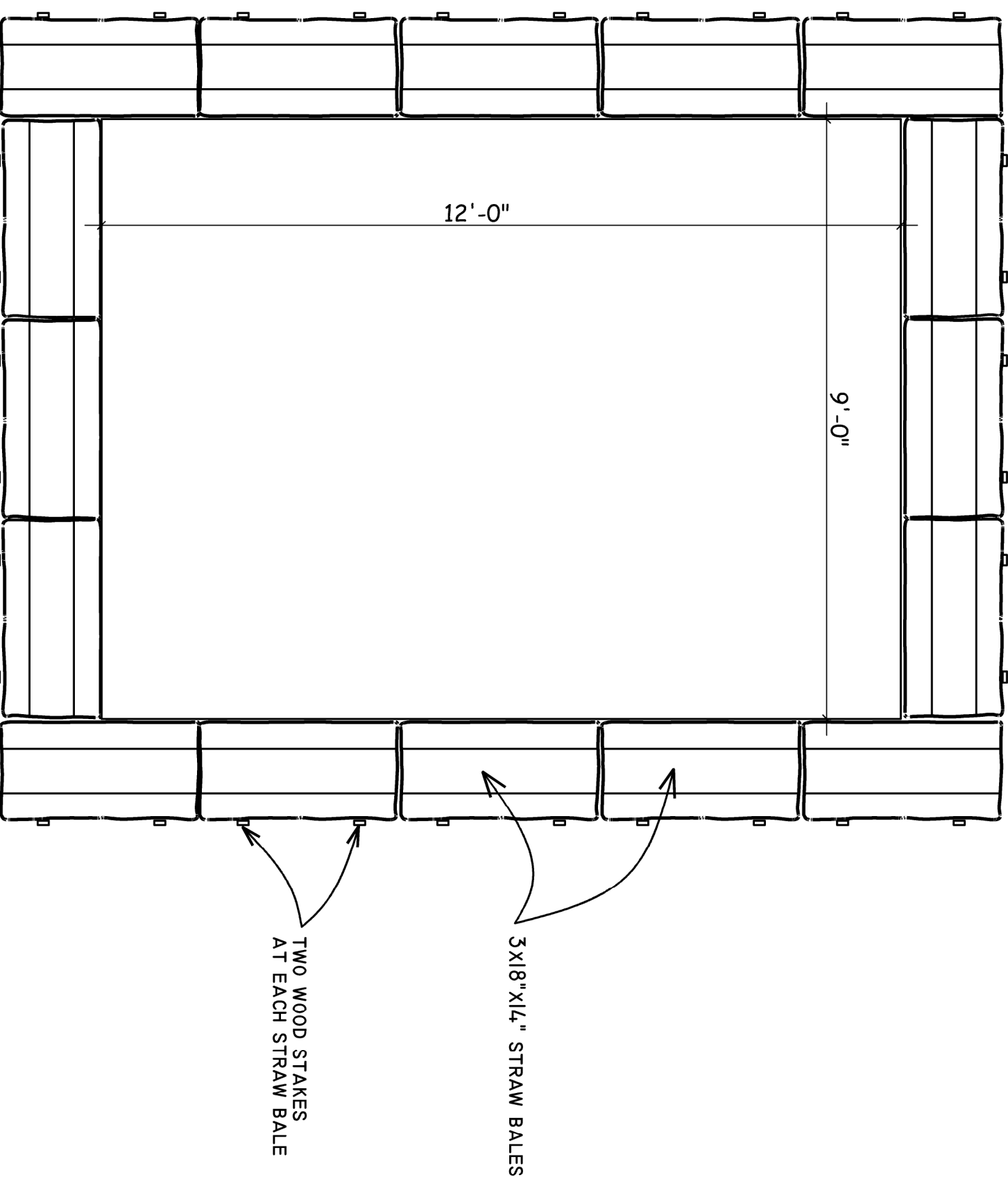
FIGURE 1
PLAN VIEW OF ROLL TO ROLL CONNECTION

1. DESCRIBE ALL BEST MANAGEMENT PRACTICES TO PROTECT STORM DRAIN INLETS. ALL STORM DRAIN OUTLETS TO BE PROTECTED BY STRAW WATTLE BARRIERS, OR GRAVEL BAGS (SEE DETAIL)
2. DESCRIBE ALL BMP'S TO ELIMINATE/REDUCE CONTAMINATION OF STORM WATER FROM:
 - A. EQUIPMENT / BUILDING / CONCRETE WASH AREAS: TO BE PERFORMED IN DESIGNATED AREAS ONLY, AND SURROUNDED WITH SILT FENCE BARRIERS.
 - B. SOIL CONTAMINATED BY SOIL AMENDMENTS: IF ANY CONTAMINATED SOIL IS FOUND OR GENERATED, CONTACT ENVIRONMENTAL ENGINEER AND CONTACTS LISTED.
 - C. AREAS OF CONTAMINATED SOIL: IF ANY CONTAMINANTS ARE FOUND OR GENERATED, CONTACT ENVIRONMENTAL ENGINEER AND CONTACTS LISTED.
 - D. FUELING AREA: TO BE PERFORMED IN DESIGNATED AREAS ONLY AND SURROUNDED WITH SILT FENCE.
 - E. VEHICLE MAINTENANCE AREAS: TO BE PERFORMED IN DESIGNATED AREAS ONLY AND SURROUNDED WITH SILT FENCE.
 - F. VEHICLE PARKING AREAS: TO BE PERFORMED IN DESIGNATED AREAS ONLY AND SURROUNDED WITH SILT FENCE.
 - G. EQUIPMENT STORAGE AREAS: TO BE PERFORMED IN DESIGNATED AREAS ONLY AND SURROUNDED WITH SILT FENCE.
 - H. MATERIALS STORAGE AREAS: TO BE PERFORMED IN DESIGNATED AREAS ONLY AND SURROUNDED WITH SILT FENCE.
 - I. WASTE MANAGEMENT AREAS: TO BE PERFORMED IN DESIGNATED AREAS ONLY AND SURROUNDED WITH SILT FENCE.
 - J. SERVICE AREAS: TO BE PERFORMED IN DESIGNATED AREAS ONLY, AND SURROUNDED WITH SILT FENCE.
3. CONSTRUCTION VEHICLES AND EQUIPMENT:
 - A. MAINTENANCE:
 - MAINTAIN ALL CONSTRUCTION EQUIPMENT TO PREVENT OIL OR OTHER FLUID LEAKS.
 - KEEP VEHICLES AND EQUIPMENT CLEAN, PREVENT EXCESSIVE BUILD-UP OF OIL, AND GREASE.
 - REGULARLY INSPECT ON-SITE VEHICLES AND EQUIPMENT FOR LEAKS, AND REPAIR IMMEDIATELY.
 - CHECK INCOMING VEHICLES AND EQUIPMENT (INCLUDING DELIVERY TRUCKS, AND EMPLOYEE AND SUBCONTRACTOR VEHICLES) FOR LEAKING OIL AND FLUIDS. DO NOT ALLOW LEAKING VEHICLES OR EQUIPMENT ON-SITE.
 - SEGREGATE AND RECYCLE WASTES, SUCH AS GREASES, USED OIL OR FILTERS, ANTIFREEZE, CLEANING SOLUTIONS, AUTOMOTIVE BATTERIES, AND TRANSMISSION FLUIDS.
 - B. FUELING:
 - IF FUELING MUST OCCUR ON-SITE, USE DESIGNATED AREA AWAY FROM DRAINAGE.
 - LOCATE ON-SITE FUEL STORAGE TANKS WITHIN A BERMED AREA DESIGNED TO HOLD THE TANK VOLUME.
 - COVER RETENTION AREA WITH AN IMPERVIOUS MATERIAL AND INSTALL IN A MANNER TO ENSURE THAT ANY SPILLS WILL BE CONTAINED IN THE RETENTION AREA, TO CATCH SPILLS OR LEAKS WHEN REMOVING OR CHANGING FLUIDS.
 - USE DRIP PANS FOR ANY OIL OR FLUID CHANGES.
 - WASHING:
 - USE AS LITTLE WATER AS POSSIBLE TO AVOID INSTALLING EROSION AND SEDIMENT CONTROLS FOR THE WASH AREA.
 - IF WASHING MUST OCCUR ON-SITE, USE DESIGNATED, BERMED WASH AREAS TO PREVENT WASTE WATER DISCHARGE INTO STORM WATER, CREEKS, RIVERS, AND OTHER WATER BODIES.
 - USE PHOSPHATE-FREE, BIODEGRADABLE SOAPS.
 - DO PERMIT STEAM CLEANING ON-SITE.
5. SPILL PREVENTION AND CONTROL:
 - A. MINOR SPILLS:
 - MINOR SPILLS ARE THOSE WHICH ARE LIKELY TO BE CONTROLLED BY ON-SITE PERSONNEL, AFTER CONTACTING LOCAL EMERGENCY RESPONSE AGENCIES, THE FOLLOWING ACTIONS SHOULD OCCUR UPON DISCOVERY OF MINOR SPILL.
 - CONTAIN THE SPREAD OF THE SPILL.
 - IF THE SPILL OCCURS ON PAVED OR IMPERMEABLE SURFACES, CLEAN BY USING "DRY" METHODS (I.E. ABSORBANT MATERIALS, CAT LITTER, AND / OR RAGS).
 - IF THE SPILL OCCURS IN DIRT AREAS, IMMEDIATELY CONTAIN THE SPILL BY CONSTRUCTING AN EART DIKE. DIG UP PROPERTY, DISPOSE OF CONTAMINATED SOIL.
 - IF SPILL OCCURS DURING RAIN, COVER THE IMPACTED AREA TO AVOID RUNOFF.
 - RECORD ALL STEPS TAKEN TO REPORT AND CONTAIN SPILL.
 - B. MAJOR SPILLS:
 - ON-SITE PERSONNEL SHOULD NOT ATTEMPT TO CONTAIN MAJOR SPILLS UNTIL AN APPROPRIATE AND QUALIFIED EMERGENCY RESPONSE STAFF HAVE ARRIVED AT THE SITE. FOR SPILLS OF FEDERAL REPORTABLE QUANTITIES, ALSO NOTIFY THE NATIONAL RESPONSE CENTER AT (800) 424-8802. A WRITTEN REPORT SHOULD BE SENT TO ALL NOTIFIED AUTHORITIES. FAILURE TO REPORT MAJOR SPILLS CAN RESULT IN SIGNIFICANT FINES AND PENALTIES.
6. POST ROADWAY / UTILITY CONSTRUCTION:
 - A. MAINTAIN GOOD HOUSEKEEPING PRACTICES.
 - B. ENCLOSE OR COVER BUILDING MATERIAL STORAGE AREAS.
 - C. PROPERLY STORE MATERIALS SUCH AS PAINTS AND SOLVENTS.
 - D. STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS.
 - E. AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE.
 - F. PERFORM WASHOUT OF CONCRETE TRUCKS OFF-SITE OR IN DESIGNATED AREAS ONLY.
 - G. DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS OR STREAMS.
 - H. DO PLACE MATERIAL OR DEBRIS INTO STREETS, GUTTERS, OR CATCH BASINS THAT STOP OR REDUCE THE FLOW OF RUNOFF WATER.
 - I. ALL PUBLIC STREET AND STOREY DRAIN FACILITIES SHALL BE MAINTAINED FREE OF BUILDING MATERIALS, MUD AND DEBRIS CAUSED BY GRADING OR CONSTRUCTION OPERATIONS. ROADS WILL BE SWEEPED WITHIN 1000' OF CONSTRUCTION ENTRANCE DAILY IF NECESSARY.
 - J. INSTALL STRAW WATTLE AROUND ALL INLETS CONTAINED WITHIN THE DEVELOPMENT AND ALL OTHERS THAT RECEIVE RUNOFF FROM THE DEVELOPMENT.
7. EROSION CONTROL PLAN NOTES:
 - A. THE CONTRACTOR WILL DESIGNATE AN EMERGENCY CONTACT THAT CAN BE REACHED 24 HOURS A DAY, 7 DAYS A WEEK.
 - B. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING POTENTIAL RAIN OR SNOW RUNOFF EVENTS. NECESSARY MATERIAL SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN OR RUNOFF IS IMMINENT.
 - C. EROSION CONTROL DEVICES SHOWN ON THE PLANS AND APPROVED FOR THE PROJECT MAY NOT BE REMOVED WITHOUT APPROVAL OF THE ENGINEER OF RECORD. IF DEVICES ARE REMOVED, NO WORK MAY CONTINUE THAT HAVE THE POTENTIAL OF EROSION WITHOUT CONSULTING THE ENGINEER OF RECORD. IF DEEMED NECESSARY EROSION CONTROL SHOULD BE REESTABLISHED BEFORE THE WORK BEGINS.
 - D. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. THIS SHOULD BE CONFIRMED BY SURVEY OR OTHER MEANS ACCEPTABLE TO THE ENGINEER OF RECORD.
 - E. ALL SILT AND DEBRIS SHALL BE REMOVED FROM THE DEVICES WITHIN 24 HOURS AFTER EACH RAIN OR RUNOFF EVENT.
 - F. EXCEPT AS OTHERWISE APPROVED BY THE INSPECTOR, ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY AND THROUGH WEEKENDS UNTIL REMOVAL OF THE SYSTEM IS APPROVED.
 - G. ALL LOOSE SOIL AND DEBRIS, WHICH MAY CREATE A POTENTIAL HAZARD TO OFFSITE PROPERTY, SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE ENGINEER OF RECORD OF THE GOVERNING AGENCY.
 - H. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE ENGINEER OF RECORD.
 - I. DESTINING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD AND THE GOVERNING AGENCY.
 - J. EROSION CONTROL DEVICES WILL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES, AND PLANS OF THESE CHANGES SUBMITTED FOR APPROVAL BY THE ENGINEER OF RECORD AND THE GOVERNING AGENCY.
8. CONDUCT A MINIMUM OF ONE INSPECTION OF THE EROSION AND SEDIMENT CONTROL EVERYTWO WEEKS. MAINTAIN DOCUMENTATION ON SITE.

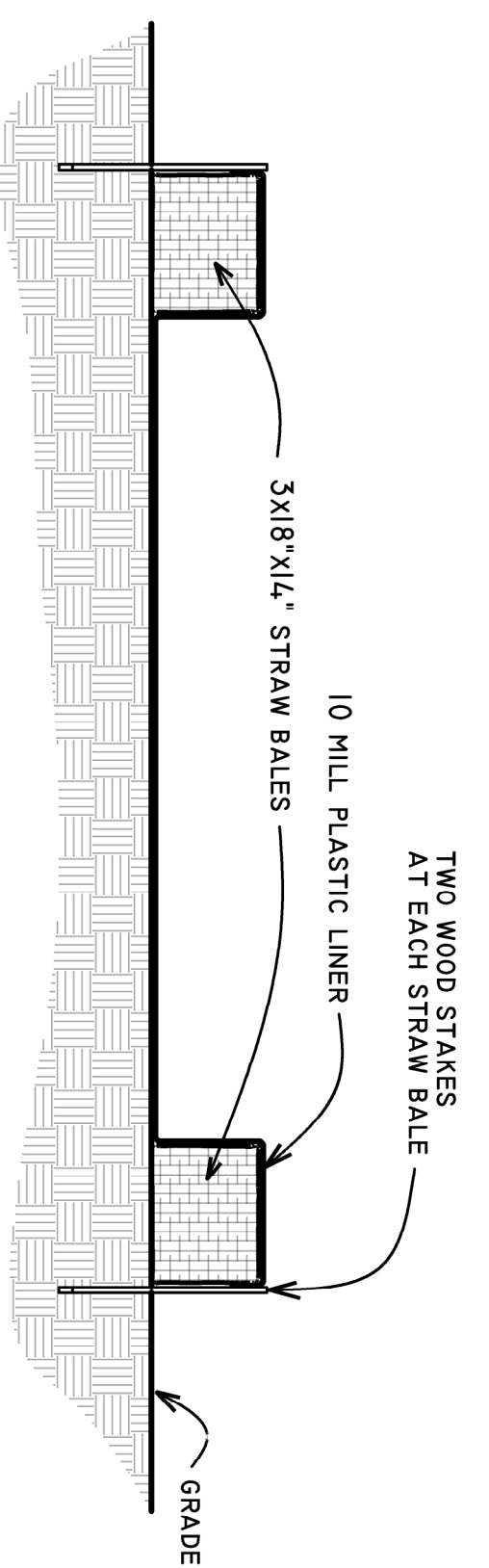


CONSTRUCTION ENTRANCE

SECTION VIEW



PLAN VIEW



SECTION VIEW

CONCRETE WASH OUT AREA WITH 10 MILL PLASTIC LINER

A RESIDENCE FOR
WALLY ORTON
LOT #48, NORDIC VALLEY ESTATES NO. 2 SUBDIVISION
2561 NORTH 3750 EAST STREET, EDEN CITY, WEBER COUNTY, UTAH

design ink
DRAFTING
499 WEST 2nd STREET SUITE-B
OGDEN, UT. (801) 399-9398

SHEET DESCRIPTION
SITE, GRADING AND DRAINAGE PLAN
DATE JULY 3, 2017

SHEET NUMBER
C-3