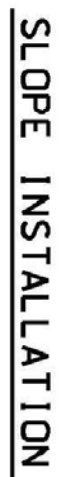
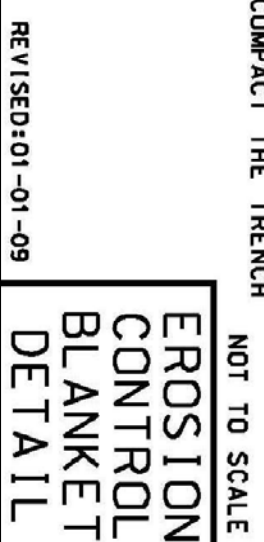




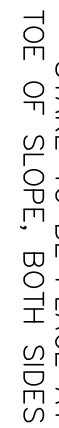
## ENTRANCE



1. PREPARE SOIL BEFORE INSTALLING BLANKETS BY INCORPORATING THE FOLLOWING: FERTILIZER, AND SEED, OR CHANNEL BY INCORPORATING THE BLANKET IN A 6" DEEP, 6" WIDE TRENCH. DRAGGILL AND COMPACT THE TRENCH AFTER SEEDING.
2. UNROLL THE BLANKET, STARTING AT DOWNSTREAM PROCEEDING UPSTREAM HORIZONTALLY ACROSS THE SLOPE.
3. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH AN 18 GAUGE STAPLER.
4. WHEN PLACING END OVER END (SHOULDER STYLE) WITH APPROXIMATELY A 4" GAP, STAPLE TO SECURE BLANKETS.
5. IN TIGHT FLAT CHANNEL APPLICATIONS, A STAPLE CHECK LIST IS REQUIRED FOR EACH END OF THE CHANNEL. PLACE A STAPLE CHECK ROW 4' BELOW THE FIRST ROW IN A STAGGERED PATTERN. A SECOND STAPLE CHECK ROW IS REQUIRED FOR EACH END OF THE CHANNEL.
6. IN 6" DEEP, 6" WIDE TRENCH, DRAGGILL AND COMPACT THE TRENCH AFTER STAPLING.



## BLANKET



# PROTECTION



**RSP Architects**  
1220 Marshall Street NE  
Minneapolis  
MN 55413-1036  
612.677.7100  
612.677.7499 fax  
www.rsparch.com

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- GENERAL EROSION NOTES:**
1. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME. WHERE A CONFLICT EXISTS BETWEEN LOCAL JURISDICTION STANDARD SPECIFICATIONS AND **ES INC.** STANDARD SPECIFICATIONS, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
  2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATIONS AND/OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE SUBSURFACE UTILITY INFORMATION SHOWN ON THESE PLANS IS A UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF THE MINNESOTA UTILITY LOCATING AND MARKING ASSOCIATION (MULMA). THE CONTRACTOR MUST CONTACT ALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE LOCATIONS OF SMALL UTILITIES SHALL BE OBTAINED BY THE CONTRACTOR BY CALLING MINNESOTA Gopher State One Call at 800-222-1166 OR 651-654-0002.
  3. THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS WITHOUT EXCEPTION, THEY SHALL HAVE MADE, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW. SEE ATTACHED SURVEY SHEETS.
  4. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES OCCURRING TO THE ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
  5. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPOSED OF THIS DRAWING (EROSION & SEDIMENTATION CONTROL PLAN-ESS PLAN), THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN THE STORMWATER COMPLIANCE BINDER, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
  6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING & SUBMITTING THE APPLICATION FOR THE MPCA GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE SWPPP AND THE STATE OF MINNESOTA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NAPES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS. **THE SWPPP AND ALL OTHER RELATED DOCUMENTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO HAVE CERTIFIED SUPERVISOR TO RECORD SWPPP.**

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7. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED BY THE SWPPP & PERMITS. THE CONTRACTOR SHALL OVERSEE THE INSPECTION & MAINTENANCE OF THE BMP'S AND EROSION OR OPERATOR AS APPROVED ON PERMIT. ADDITIONAL BMP'S SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
8. BMP'S AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
9. ESC PLAN MUST CLEARLY DELINEATE ALL STATE WATERS, PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
10. CONTRACTOR SHALL MINIMIZE CLEANING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT. THE BOUNDARIES OF THE CLEANING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY DEMARKED (E.G., WITH FLAGS, STAKES, STRIPS, SALT FENCE, ETC.) ON THE DEVELOPMENT SITE BEFORE WORK BEGINS.
11. GENERAL CONTRACTOR SHALL IDENTIFY ON-PLAN, TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
12. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) MUST BE LIMITED TO A DEFINED AREA OF THE SITE AND SHALL BE CONTAINED AND PROPERLY TREATED OR DISPOSED. NO ENGINE DEREGISTERING IS ALLOWED ON SITE.
13. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOATATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
14. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
15. SOLID WASTE COLLECTED FROM ASPHALT & CONCRETE MILLINGS, FLOATING DEBRIS, PAPER, PLASTIC, HAZARDOUS CONSTRUCTION & REMEDIATION DEBRIS & OTHER WASTES MUST BE DISPOSED OF PROPERLY & MUST COMPLY WITH WPA DISPOSAL REQUIREMENTS.
16. HAZARDOUS MATERIALS, OIL, GASOLINE, PAINT & ANY HAZARDOUS SUBSTANCES MUST BE PROPERLY STORED, INCLUDING SECONDARY CONTAINMENT, TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. RESTRICTED ACCESS TO STORAGE AREAS MUST BE PROVIDED TO PREVENT UNAUTHORIZED STORAGE & DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH WPA REGULATIONS.
17. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE SWPPP, SHALL BE INITIATED AS SOON AS PRACTICABLE AND PRIOR TO ANY SITEWORK.
18. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED SHALL BE TEMPORARILY SEEDED. SEEDING SHALL BE IN ACCORDANCE WITH MN/DOT SPEC. 2575 @ 100LBS./ACRE (OR APPROVED EQUAL) AND IN ACCORDANCE WITH THE FOLLOWING GUIDELINES:
  - a. SEEDING SHALL BE DONE IMMEDIATELY AFTER CONSTRUCTION ACTIVITY HAS STOPPED
  - b. SEEDING SHALL BE DONE AT THE SAME TIME AN AREA CAN REMAIN OPEN WHEN THE AREA IS NOT ACTIVELY BEING WORKED)

**MAINTENANCE:**

1. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION MUST BE PROTECTED BY APPROPRIATE BMP'S UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHARGING TO THE INLET HAVE BEEN STABILIZED.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEED AS NEEDED.
3. SILT FENCES SHALL BE PREPARED, REPLACED OR SUPPLEMENTED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE SILT FENCE. THESE REPAIRS MUST BE MADE WITHIN 24 HOURS OF DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
4. VEHICLE TRACKING OF SEDIMENT FROM THE CONSTRUCTION SITE MUST BE MINIMIZED BY BMP'S SUCH AS STONE PAVES, CONCRETE OR STEEL WASH RACKS, OR EQUIVALENT SYSTEMS. STREET SWEEPING MUST BE USED IF SUCH BMP'S ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE STREET. TRACKED SEDIMENT MUST BE REMOVED FROM ALL OFF-SITE PAVED SURFACES WITHIN 24 HOURS OF DISCOVERY OR SOONER.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

## SITE STAGING

1. CONTRACTOR TO PROVIDE INSTALLED PLAN FOR VA APPROVED SHOWING PARKING, STAGING, ACCESS ROUTES, SECURITY FENCES, AND STORAGE AREAS PRIOR TO CONSTRUCTION.
2. CONTRACTOR PARKING, STORAGE, AND INITIAL STAGING CAN BE LOCATED AT THE CURRENT WIND TURBINE STAGING SITE. COORDINATE TIMING WITH VA STAFF.
3. MAINTAIN STAFF AND PATIENT ACCESS BETWEEN BLDG. 111 AND BLDG. 9
4. MAINTAIN STAFF AND PATIENT ACCESS AT BLDG. 9 ON WEST SIDE OF BUILDING.
5. MAINTAIN ACCESS TO THE ELEVATOR ENTRY AT THE NORTH SIDE OF BLDG. 28 FOR POLICE ACCESS.
6. MAINTAIN FIRE DEPARTMENT ACCESS AND VA DELIVERY ACCESS TO BLDG. 111 DOCK USING THE DRIVE EAST OF BUILDING 8.
7. COORDINATE ACCESS TO DRIVE WITH KITCHEN PROJECT.
8. SECURITY FENCE TO BE 7'-0" HIGH CHAIN LINK FENCE. NO ORANGE SNOW FENCES PERMITTED.
9. UPDATE PEDESTRIAN ACCESS ROUTES ON SWPPP.

I have read and understand the information in this document and agree to participate in the study. I understand that my participation is voluntary and that I may withdraw at any time without penalty. I have read and understand the information in this document and agree to participate in the study. I understand that my participation is voluntary and that I may withdraw at any time without penalty.	APPROVED SUBJECT AND APPROVED _____ DATE: _____	APPROVED RESEARCHER, STUDENT _____ DATE: _____	STUDYING TITLE _____	PROJECT TITLE _____
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