

**ENGINEER'S CERTIFICATION**

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF SOUTH DAKOTA.

TERRY CASH, PE REG. NO. 7244 DATE

**OWNER'S CERTIFICATION**

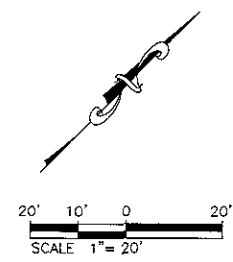
THE EROSION CONTROL PLAN APPEARS TO FULFILL THE TECHNICAL CRITERIA FOR EROSION AND SEDIMENT CONTROL REQUIREMENTS OF THE CITY OF RAPID CITY. WE UNDERSTAND THAT ADDITIONAL EROSION CONTROL MEASURES MAY BE NEEDED IF UNFORSEEN EROSION PROBLEMS OCCUR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE OWNER UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED OR VOIDED.

MENARD INC. (OWNER) DATE

GENERAL CONTRACTOR DATE

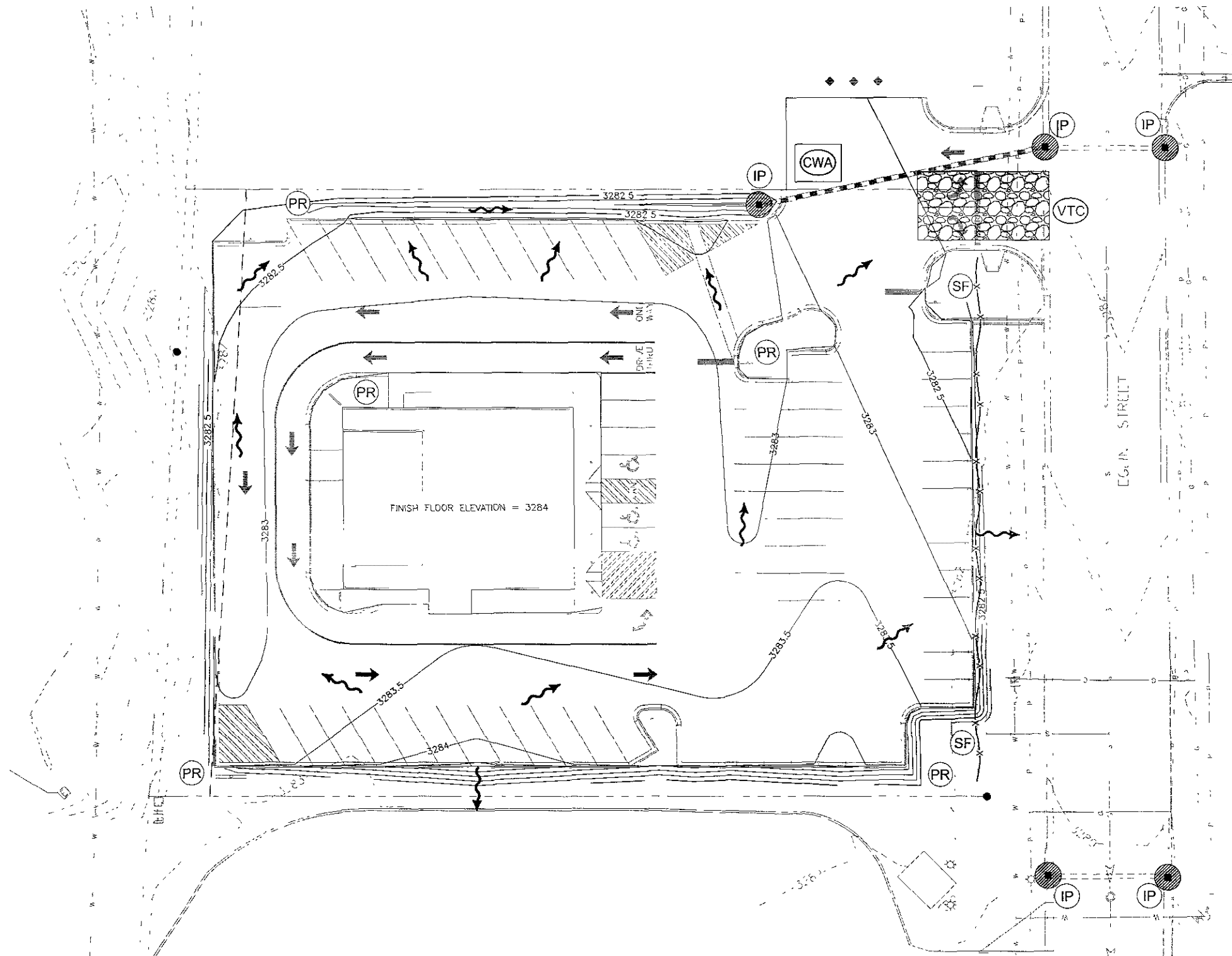
**LEGEND**

- (IP) INLET PROTECTION
- (PR) PERMANENT REVEGETATION
- (SF) SILT FENCE
- (CWA) CONCRETE WASH AREA
- (VTC) VEHICLE TRACKING CONTROL
- FLOW ARROW



**EROSION CONTROL REPORT**

1. PROJECT DESCRIPTION - THIS PROJECT CONSISTS OF THE DEVELOPMENT OF A COMMERCIAL BUILDING ON LOT B1 OF MENARD SUBDIVISION LOCATED IN SECTION 32, T2N R8E, BHM, RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA.
2. EXISTING SITE CONDITIONS AND ADJACENT AREAS - THE SITE HAS BEEN ROUGH GRADED AND IS VEGETATED WITH A STANDARD SEED MIX. THE SITE IS ADJACENT TO EAST NORTH STREET TO THE NORTH, A DEVELOPED COMMERCIAL SITE TO THE WEST, EGLIN STREET TO THE SOUTH AND AN UNDEVELOPED LOT TO THE EAST.
3. SOILS - THERE IS NO GEOTECHNICAL REPORT AT THIS TIME
4. AREA AND VOLUME - THE SITE INCLUDES APPROXIMATELY 3.66 ACRES AND IT IS ESTIMATED THAT APPROXIMATELY 2,000 CUBIC YARDS OF SOIL WILL BE EXCAVATED
5. EROSION CONTROL AND SEDIMENT CONTROL MEASURES - THE EROSION CONTROL PLAN CONSISTS OF SILT FENCE, PERMANENT REVEGETATION, INLET PROTECTION, VEHICLE TRACKING CONTROL, CONCRETE WASH AREA, AND INLET/OUTLET PROTECTION AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN. 12" DIAMETER COMPOST FILTER SOCKS MAY BE USED IN LIEU OF SILT FENCE AT THE CONTRACTORS DISCRETION.
6. EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE - THE CONSTRUCTION CONSISTS OF THE CONSTRUCTION OF A COMMERCIAL BUILDING AND PARKING AREA. THE WORK IS ANTICIPATED TO BEGIN IN EARLY 2009 AND BE COMPLETED IN THE SUMMER OF 2009. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE BEGINNING OF SITE GRADING OR TRENCHING.  
  
UPON COMPLETION OF THE FINAL STABILIZATION, ANY ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE STORM SEWER. REMOVE OTHER SEDIMENT CONTROL DEVICES AND FILE NOTICE OF TERMINATION WITH THE STATE.
7. SPILL CONTROL PRACTICES - CHEMICAL AND PETROLEUM SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE STATE OF LOCAL GOVERNMENT AGENCY. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY
8. SPILL PREVENTION - PETROLEUM PRODUCTS ON-SITE CONSTRUCTION EQUIPMENT SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE. FERTILIZERS WILL BE USED IN LAWN/VEGETATED AREAS AND WILL BE USED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. CONCRETE TRUCKS SHALL BE ALLOWED TO WASH ONLY AT DESIGNATED AREAS. HOUSEKEEPING - REGULARLY PICK UP AND DISPOSE OF GARBAGE AND WASTE MATERIALS. ROUTINELY INSPECT EQUIPMENT AND PROCESSES FOR LEAKS OR CONDITIONS THAT COULD LEAD TO DISCHARGES OF OILS OR CONTACT OF STORM WATER WITH RAW MATERIALS, INTERMEDIATE MATERIALS, WASTE MATERIALS, OR PRODUCTS USED ON SITE. ASSURE ALL SPILL CLEAN UP PROCEDURES ARE UNDERSTOOD BY EMPLOYEES. TRAINING OF EMPLOYEES ON PROPER CLEAN UP PROCEDURES SHALL BE IMPLEMENTED. CLEAN UP LEAKS, DRIPS, AND OTHER SPILLS IMMEDIATELY COVER AND MAINTAIN DUMPSTERS AND WASTE RECEPTACLES. HAZARDOUS MATERIALS - ASSIGN RESPONSIBILITY OF HAZARDOUS MATERIAL INVENTORY TO A LIMITED NUMBER OF PEOPLE WHO ARE TRAINED TO HANDLE SUCH MATERIALS. IN THE EVENT OF SPILLS OF ANY DANGEROUS OR HAZARDOUS MATERIAL, NOTIFY THE RAPID CITY PUBLIC WORKS DEPARTMENT. DRAIN OR REPLACE MOTOR OIL OR OTHER AUTOMOTIVE FLUIDS IN AN AREA AWAY FROM STREAMS OR STORM OR SANITARY SEWER INLETS. COLLECT SPENT FLUIDS AND RECYCLE OR DISPOSE OF PROPERLY. IN FUELING AREAS, CLEAN UP SPILLS WITH DRY CLEAN UP METHODS (ABSORBENTS). MAKE SURE EMPLOYEES ARE TRAINED IN SPILL PREVENTION PRACTICES AND ADHERE TO THEM.
10. NOTICE OF INTENT - THE CONTRACTOR SHALL FILE A NOTICE OF INTENT (NOI) WITH THE SURFACE WATER DISCHARGE PROGRAM OF THE SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR). THE PRIMARY RESPONSIBLE PARTY IS REQUIRED TO FILE A NOTICE OF TERMINATION WITH DENR WHEN THE SITE HAS REACHED FINAL STABILIZATION.
11. DEWATERING - IF WATER FROM TEMPORARY DEWATERING SHALL BE DISCHARGED TO WATER OF THE STATE DURING CONSTRUCTION, CONTRACTOR MUST FIRST GET COVERAGE UNDER DENR'S GENERAL PERMIT FOR TEMPORARY DEWATERING. FOR MORE INFORMATION, CONTACT AL SPANGLER AT (605) 773-3351
12. SOIL SURFACE STABILIZATION PRACTICES - AFTER CONSTRUCTION BEGINS, SOIL SURFACE STABILIZATION SHALL BE APPLIED WITHIN 14 DAYS TO ALL DISTURBED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR PERIODS LONGER THAN AN ADDITIONAL 21 CALENDAR DAYS. WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, PERMANENT OR TEMPORARY SOIL SURFACE STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS AND SOIL STOCKPILES.
13. PERMANENT STABILIZATION PRACTICES - ALL DISTURBED AREAS WILL BE SODDED, SEEDDED, OR COVERED IN GRAVEL AS CONSTRUCTION OF THE WATER LINE PROGRESSES. EROSION CONTROL SHALL BE MAINTAINED UNTIL FINAL STABILIZATION IS ACHIEVED.
14. STORM WATER MANAGEMENT CONSIDERATIONS - STORMWATER GENERALLY FLOWS TO THE NORTH EAST. STORMWATER WILL ULTIMATELY FLOW TO THE SAME DOWNSTREAM LOCATION AFTER CONSTRUCTION AS IT DID BEFORE CONSTRUCTION.
15. MAINTENANCE - INSPECTION OF EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE SCHEDULED WEEKLY AND FOLLOWING ANY STORM EVENT OF 1/8 INCH OR GREATER. ALL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. INSPECTION AND MAINTENANCE PROCEDURES SHALL CONTINUE UNTIL THE DISTURBED AREAS ACHIEVE FINAL STABILIZATION. ALL INSPECTIONS SHALL BE DOCUMENTED IN A LOG THAT IS KEPT ON-SITE AND AVAILABLE FOR CITY AND STATE INSPECTORS.



MAXIMUM TIME LIMITS OF LAND EXPOSURES FOR SELECTION OF EROSION CONTROLS	
EROSION CONTROL METHOD	EXPOSURE*
SURFACE ROUGHENING	1 MO.
MULCHING	12 MO
TEMPORARY REVEGETATION	12-24 MO
PERMANENT REVEGETATION	24 MO OR MORE
EARLY APPLICATION OF ROAD BASE	1 MO.

\* EXPOSURE IS THE MAXIMUM ALLOWABLE PERIOD OF EXPOSURE IN MONTHS

Prepared By

**DREAM DESIGN**  
INTERNATIONAL, INC.  
ENGINEERING LANDSCAPE ARCHITECTURE  
LAND PLANNING CONSTRUCTION OBSERVATION

**PRELIMINARY FOR REVIEW ONLY**

CITY OF RAPID CITY  
GROWTH MANAGEMENT DEPT  
DEVELOPMENT SERVICES

Plans are reviewed for general conformance with applicable governmental regulations, stipulations, design criteria and engineering standards. The City of Rapid City does not certify the suitability, adequacy or completeness of the plans or design, which are the responsibility of the engineer of record. All necessary permits shall be obtained prior to construction of the proposed public improvements.

Engineering Reviewer \_\_\_\_\_ Date \_\_\_\_\_

COMMENTS

Internal Job No. 09-0550  
Designed By TC  
Drawn By MLS  
Surveyed By RENNER & ASSOCIATES  
Survey Date 7/7/2009  
Submitted

Revisions

Revisions

Revisions

Project Name

Sheet Name

EROSION CONTROL PLAN

Sheet Number  
**15 of 15**

PIZZA RANCH