



**RECEIVED**  
 OCT 18 2007  
 Rapid City Growth  
 Management Department

- ① INSTALL 53 LF OF 15" HP 4" FLARED END SECTIONS ON EACH END. LENGTH INCLUDES FITS.
- 40' IN = 5002.6
- 40' DIA = 2005.1
- FIELD VERIFY LOCATING OPEN FL. ELEVATION. DISTANCE FROM EDGE OF ROAD TO CENTER OF PLS. SHOWN.
- ② PLACE WESTERN EROSION CONTROL, 24" x 1" RECYCLED DRAGON CONTROL BLANKET, WITH #8 OR APPROVED EQUAL, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- ③ INSTALL HIGH FLOW S&T FORCE AT CURB/ENTRANCE - INSTALL PER 50001 STANDARD PLATE 734.04

**TSP**

To Solve To Excel Together

TSP Inc.  
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Architects  
 Engineering  
 Construction

CONSULTANTS:

REGISTERED PROFESSIONAL ENGINEER

NO. 1000

STATE OF SOUTH DAKOTA

10/15/07

PROJECT TITLE:

DUTY VOLUNTEER

  
**FIRE DEPT**  
**Headquarters**  
**and Shop**  
 Pennington County,  
 South Dakota

MARK	DATE	DESCRIPTION

CONTRACT HOLDER # 03070202  
 CONSULTANT #  
 DRAWN BY  
 CHECKED BY

SHEET TITLE

**SITE GRADING**

PLAN/SECTION  


- NOTES
1. CONTRACTOR SHALL PLACE 6" OF TOPSOIL ON ALL DISTURBED AREAS DESIGNATED FOR SEEDING.
  2. SEED FERTILIZER AND MULCH ALL DISTURBED AREAS DESIGNATED FOR SEEDING.
  3. PLACE EROSION CONTROL, BONDED FIBER MATRAX ON ALL 24" x 12" OR STEEPER SLOPES. THE BONDED FIBER MATRAX SHALL BE AN HYDRAULICALLY APPLIED PRODUCT WHICH UPON DRYING SHALL ADHERE TO THE SOIL IN THE FORM OF A CONTINUOUS 100% COVERAGE IMPERMEABLE EROSION CONTROL BLANKET. THE BONDED FIBER MATRAX SHALL BE COMPOSED OF LONG STRAND WOOD FIBERS HELD TOGETHER BY A BONDING AGENT WHICH UPON DRYING BECOMES INSOLEUBLE AND NON-DISPERSIBLE. THE BINDER SHALL NOT DISSOLVE OR DISPERSE UPON WETTING. THE MATRAX SHALL HAVE NO HOLES GREATER THAN 0.04 INCH (1mm) IN SIZE. THE MATRAX SHALL HAVE NO GAPS BETWEEN PRODUCT AND SEAL THE MATRAX SHALL HAVE A WATER HOLDING CAPACITY OF 1.1 GALLONS PER TON OF MATRAX (100#/TON). THE MATRAX SHALL HAVE NO CLUMPS OR GROWTH INHIBITING FACTORS AND SHALL NOT FORM A WATER-IMPERVIOUS CRUST. THE MATRAX SHALL BE COMPOSED OF MATERIALS THAT ARE 100% BIODEGRADABLE AND ARE BENEFICIAL TO PLANT GROWTH.
  4. IN AREAS NOT DESIGNATED AS WALK OR DRIVE, SLOPE FINISH GRADE AWAY FROM BUILDING AT A MAXIMUM OF 1 FOOT VERTICAL IN 15 FEET HORIZONTAL FOR AT LEAST 10 FEET. SEE DETAIL 14.0-14.
  5. WHERE SPOT ELEVATIONS AND SLOPES INDICATED JOINTLY THE SPOT ELEVATIONS SHALL CONTROL.
  6. PLACE 3" LONG 2" WIDE PRECAST CONCRETE SPLASH BLOCKS AT ALL DOWNSPOUTS THAT DO NOT FLOW ONTO PAVED AREAS OR INTO DRAIN PIPES.