

SPERLICH Consulting, Inc.

PRELIMINARY NOT FOR CONSTRUCTION CITY REVIEW ONLY

REVISIONS:	DATE:	DESCRIPTION:

LETAL DESCRIPTION:

FOR THE CITY OF RAPID CITY, THE CITY ENGINEER HAS REVIEWED THESE PLANS AND APPROVES THEM FOR CONSTRUCTION SUBJECT TO THE CITY ENGINEER'S STANDARD SPECIFICATIONS FOR STREETWORK, SEWER WORK, AND WATER MAINS.

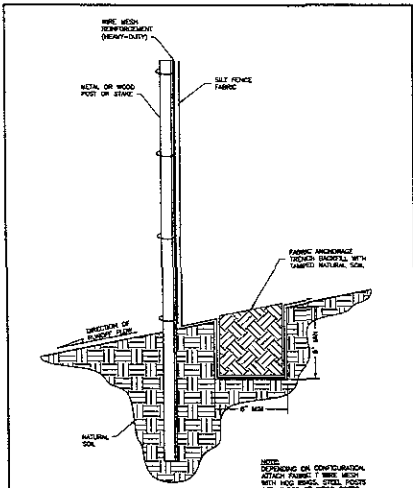
DESIGNED BY: [Signature]

APPROVED BY: [Signature]

PROJECT NUMBER: 3194

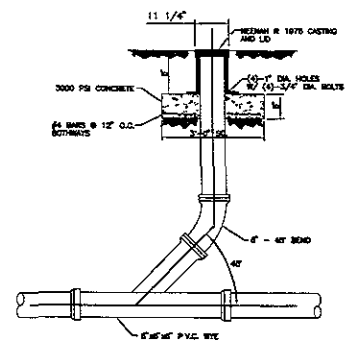
SHEET 7 / 12

LOT B OF TRACT E-JR OF McMANON SUBDIVISION

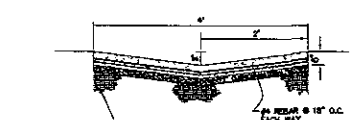


CITY OF RAPID CITY PUBLIC WORKS DEPARTMENT  
 DATE: 5-1-07  
 SEC: 146-1  
 SHEET: 1

SILT FENCE INSTALLATION

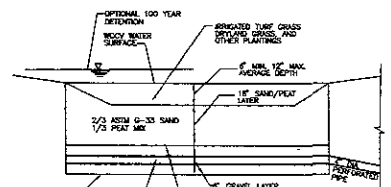


CLEANOUT DETAIL  
 FOR CLEANOUTS IN HARD SURFACE AREAS



REBAR PREPARATION SHALL BE PER THE GEOTECHNICAL REPORT PREPARED BY AMERICAN TECHNICAL SERVICES (ATS NO. 05-00200) AND ADDENDUM.

PARKING LOT CONCRETE V-BAN



IMPERMEABLE LINER IF ON EXPANSIVE OR TYPE D SOILS, OR PERVIOUS USE ACCEPTABLE LINE 1/4" OPENINGS

WOOD MONUMENT BY CHARTER MILL - CHAIRING 15X (OR 24X) OPEN AREA 12X-15X, 40S U.S. STD. GRADE 40 TO 50

3 TO 4 INCH DIA. PERFORATED PIPE UNDERGRAN, CONNECTED TO SILENT (BAY IS EXEMPTED IF UNDER LIVING SOIL ARE SANDY)

SUBSTITUTE AN 18" LAYER OF SAND/PEAT MIX FOR THE 6" GRAVEL LAYER WHEN NO UNDERGRAN IS USED IN SPICE TYPE D SOILS OR IN EXPANSIVE SOILS. USE IMPERMEABLE LINER UNDER AND ON SIDES OF BASIN.

PERVIOUS LANDSCAPE DETENTION  
 N.T.S.

FOR: City of Rapid City Growth Management, 300 8th Street, Rapid City, South Dakota 57701

BY: Sperlich Consulting, Inc. 621 Cambridge Street, Suite 1, Rapid City, SD 57701

PROJECT: Lot B of Spelt C-28 of Madison Subdivision, Project #2184

DATE: MARCH 26, 2010

**(WATER QUALITY CALCULATIONS)**

**PERVIOUS LANDSCAPE DETENTION**

DESIGN VOLUME = (CROSS)/12) \* AREA

SURFACE AREA = (DESIGN VOLUME/INCH)

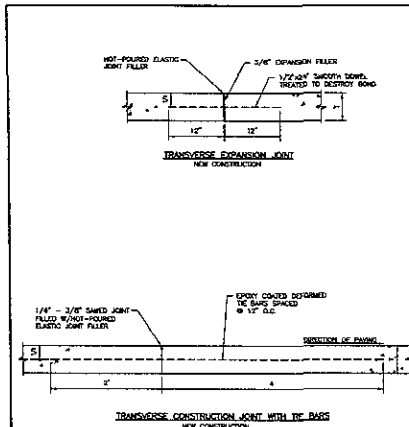
WCOV = 1.08 \* (0.815)^2 \* 1.192^2 = 0.780

AREA = 0.8

DESIGN VOLUME = 1101.8

SURFACE AREA = 1102

RECEIVED  
 MAR 29 2010  
 Rapid City Growth Management Department



NOTE: FOR TRANSVERSE CONSTRUCTION JOINTS, THE 6" EPoxy COVERED REFORMED THE BARS SHALL BE SPACED 12" CENTER TO CENTER AND APPROXIMATELY 6" FROM THE RAISED EDGE. WHEN A TRANSVERSE CONSTRUCTION JOINT IS MADE, NO FORMING WILL BE DONE IN THIS AREA FOR 12 HOURS.

THE DISTANCE BETWEEN A TRANSVERSE CONSTRUCTION JOINT WITH THE BARS AND AN ADJACENT TRANSVERSE CONSTRUCTION JOINT IS RECOMMENDED TO BE 7 TO 8 FEET

CITY OF RAPID CITY PUBLIC WORKS DEPARTMENT  
 DATE: 5-1-07  
 SEC: 40-3  
 SHEET: 3

TRANSVERSE JOINT DETAILS

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REVISIONS	DATE	DESCRIPTION

LEGAL DESCRIPTION:  
 LOT B OF TRACT E-3R OF MADISON SUBDIVISION

PROJECT NUMBER: 3194  
 SHEET: 8 / 12

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