

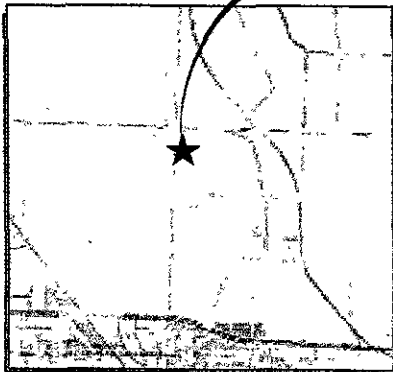
Rapid City Growth
Management Department

CHEYENNE RIVER SPEC. MIX, LLC

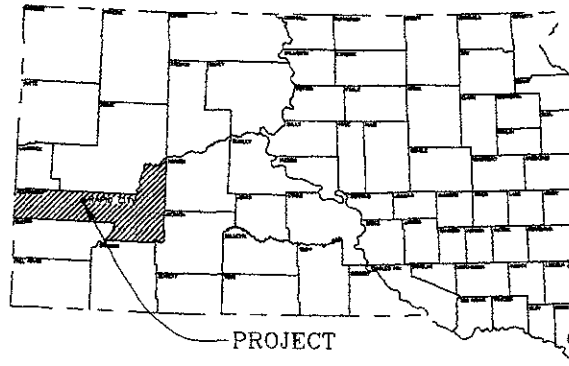
RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

APRIL 2007

PROJECT
LOCATION



NOT TO SCALE



INDEX OF SHEETS

SHEET 1	TITLE
SHEET 2	TOPOGRAPHIC / DEMOLITION PLAN
SHEET 3	SITE / GRADING PLAN
SHEET 4	CONCRETE SURFACE PLAN
SHEET 5	WATER MAIN PLAN AND PROFILE STA. 0+00 TO 3+80

ONE CALL
BEFORE DIGGING
1-800-761-7474

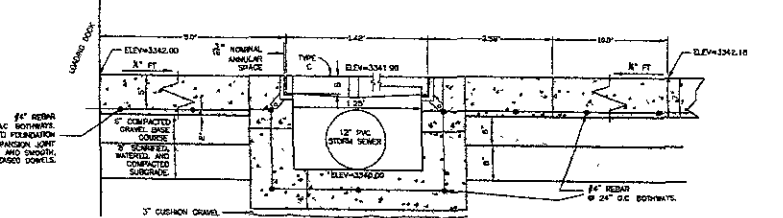
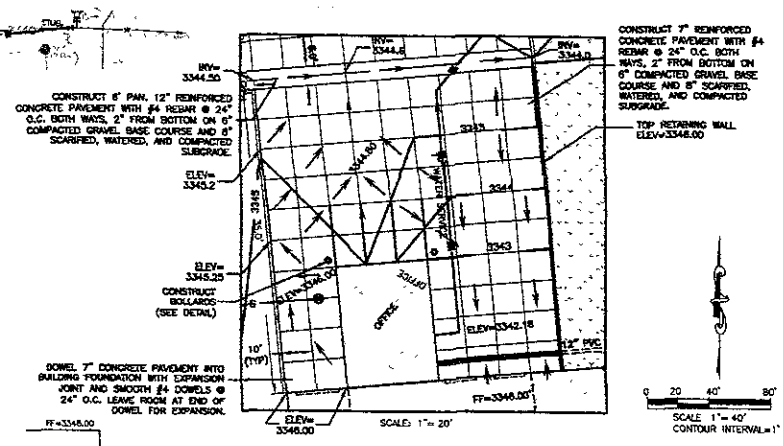
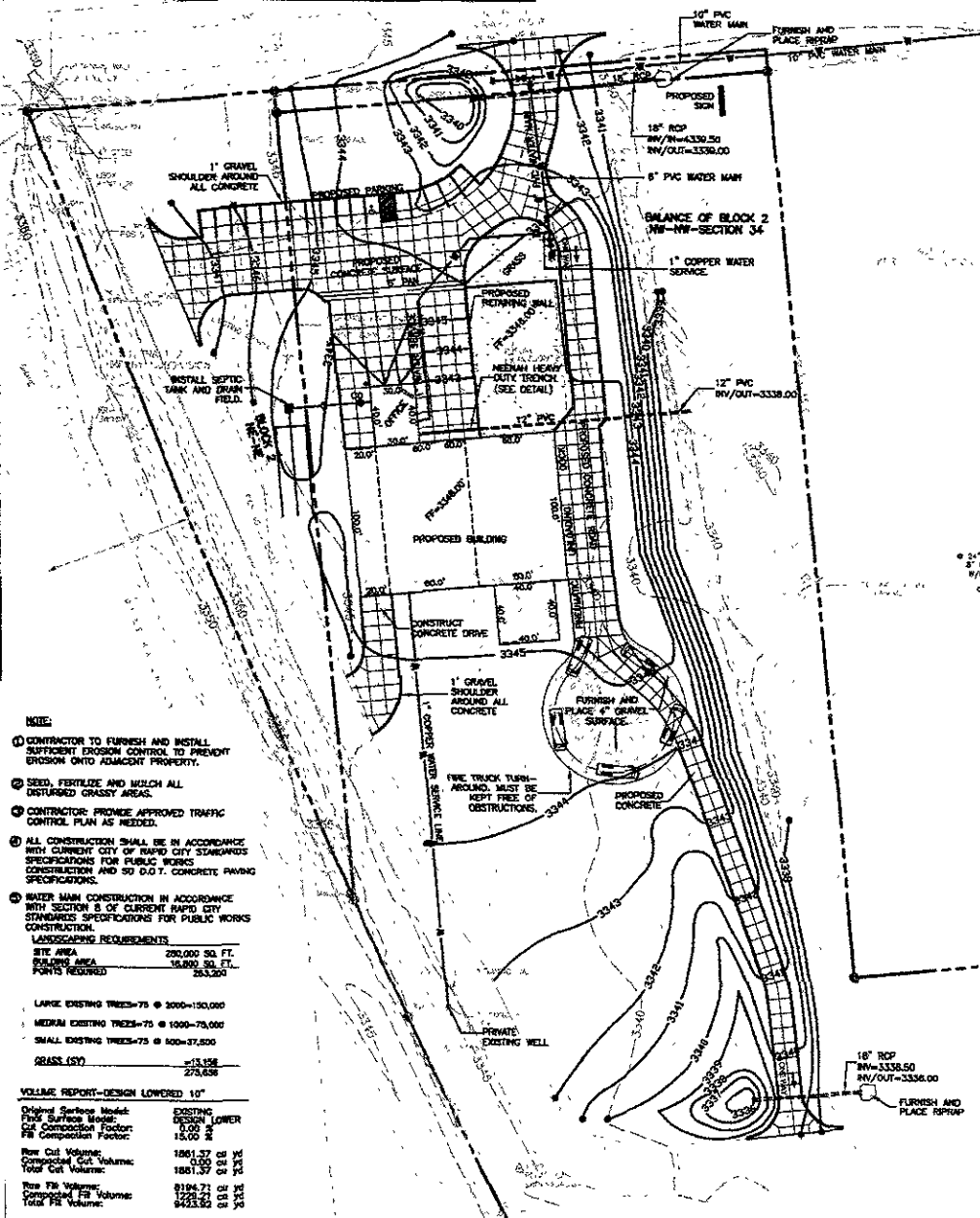
Remer Engineering Company
144 South 21st Street, Rapid City, SD 57701-2100
Phone: 605/771-7314 Fax: 605/771-7314
www.remer-engineering.com

REGISTERED PROFESSIONAL ENGINEER
STATE OF SOUTH DAKOTA
No. 12345
REMER
ENGINEERING COMPANY

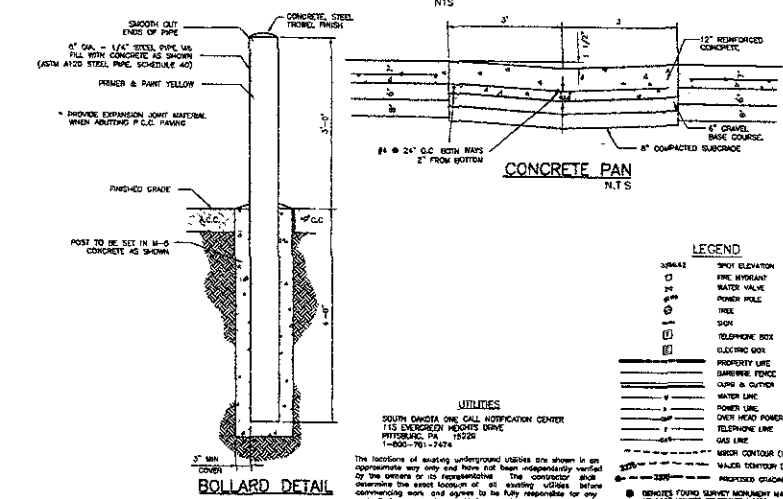
PROJECT: CHEYENNE RIVER SPEC. MIX, LLC
LOCATION: BALANCE OF BLOCK 2 OF NW 1/4 OF NW 1/4, SECTION 34 AND BLOCK 2 OF NE 1/4 OF NE 1/4, SECTION 33 T3N, R7E, B7M RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

Prepared For: PETE LIEN & SONS
ATTN: DANIELLE WEBER
P.O. BOX 440
RAPID CITY, SD 57709

Vertical Date: 4/20/07
Sheet Title: TITLE



NEENAH HEAVY DUTY TRENCH FRAME WITH GRATED COVER



- NOTE:**
- CONTRACTOR TO FURNISH AND INSTALL SUFFICIENT EROSION CONTROL TO PREVENT EROSION ONTO ADJACENT PROPERTY.
 - SEED, FERTILIZE AND MULCH ALL DISTURBED GRASSY AREAS.
 - CONTRACTOR: PROVIDE APPROVED TRAFFIC CONTROL PLAN AS NEEDED.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT CITY OF RAPID CITY STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SO D.O.T. CONCRETE PAVING SPECIFICATIONS.
 - WATER MAIN CONSTRUCTION IN ACCORDANCE WITH SECTION 8 OF CURRENT RAPID CITY STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- LANDSCAPING REQUIREMENTS**
- SITE AREA 290,000 SQ. FT.
 BUILDING AREA 16,000 SQ. FT.
 PORTS REQUIRED 23,320
- LARGE EXISTING TREES-75 @ 2000-150,000
 MEDIUM EXISTING TREES-75 @ 1000-75,000
 SMALL EXISTING TREES-75 @ 500-27,500
- GRASS (57) = 13,356
 275,536

VOLUME REPORT-DESIGN LOWERED 10"

Original Surface Method:	EXISTING
Plan Surface Method:	DESIGN LOWER
Cut Composition Factor:	0.08 %
Fill Composition Factor:	15.00 %
Raw Cut Volume:	1861.27 CU YD
Compacted Cut Volume:	1861.32 CU YD
Raw Fill Volume:	8194.71 CU YD
Compacted Fill Volume:	1221.91 CU YD
Total Fill Volume:	8433.62 CU YD

Remmer Engineering Company
 614 West St., Rapid City, SD 57701 • 605/721-7315
 Fax: 605/721-7318 • E-Mail: remmer@remmer.com
 Registered Office: 605/717-0018

CHEYENNE RIVER SPEC. MIX, LLC
 BALANCE OF BLOCK 2 OF NW1/4, SECTION 34
 AND BLOCK 2 OF NE1/4, SECTION 33
 T2N, R7E, B1M
 RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

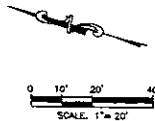
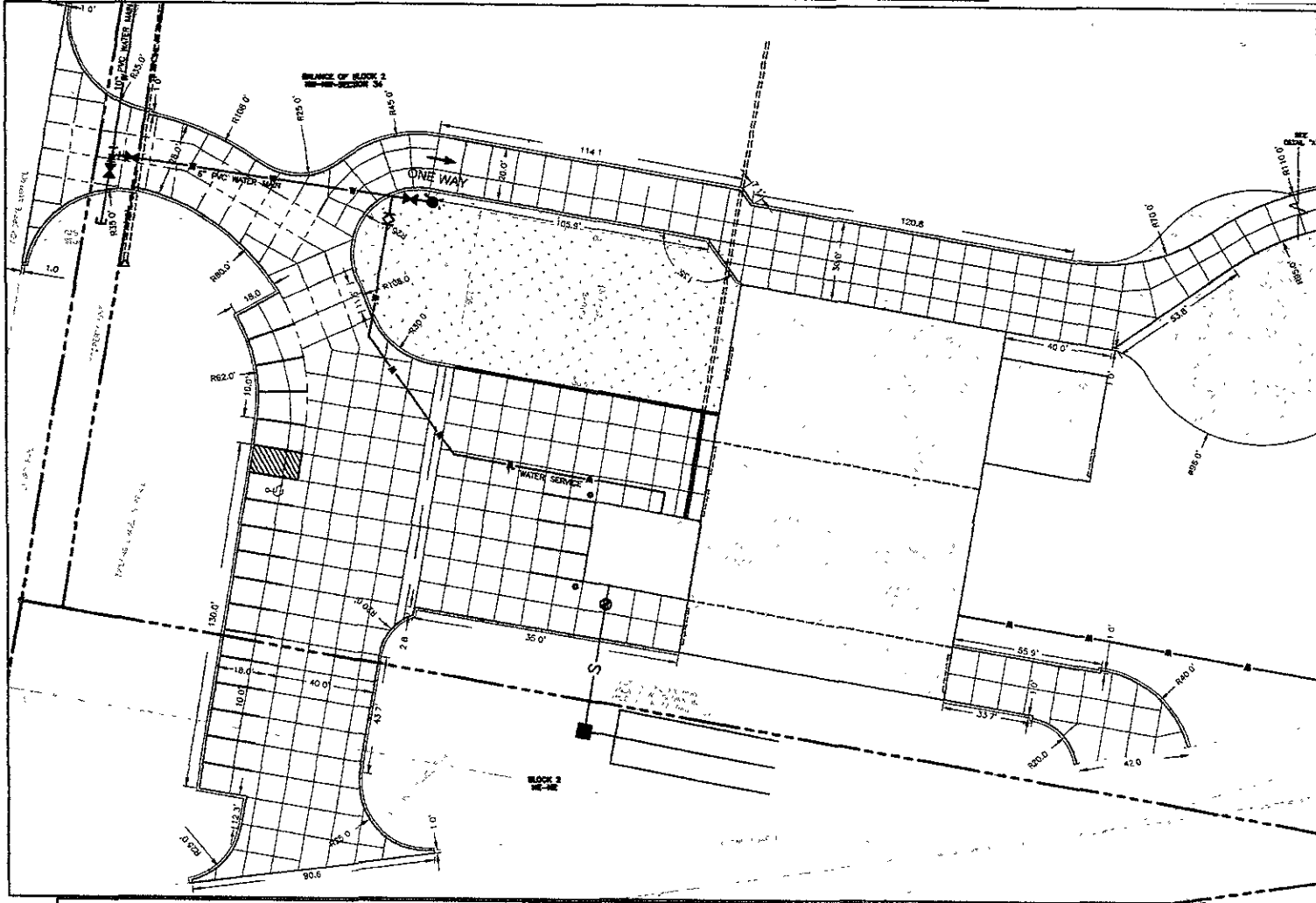
PETE LIEN & SONS
 ATTN: DANIELLE WIEBER
 P.O. BOX 440
 RAPID CITY, SD 57709

LEGEND

- SPOT ELEVATION
- FIRE HYDRANT
- WATER VALVE
- POWER POLE
- TREE
- SIGN
- TELEPHONE BOX
- ELECTRIC BOX
- PROPERTY LINE
- BARRIER FENCE
- CURB & GUTTER
- WATER LINE
- POWER LINE
- OVER HEAD POWER
- TELEPHONE LINE
- Gas LINE
- MAJOR CONTOUR (1')
- MAJOR CONTOUR (2')
- PROPOSED GRADING
- EXISTING FOUNDATION/FOUNDATION REMAINS
- AS SHOWN UNLESS OTHERWISE NOTED.

SITE GRADING PLAN

Sheet 3 of 5



LEGEND

SPOT ELEVATION	SPOT ELEVATION
FIRE HYDRANT	PROPERTY LINE
WATER MAIN	SEWERING TRENCH
POWER MAIN	CLASH & CUTTER
TRUCK	SEWER LINE
SEWER	OVER HEAD POWER
TELEPHONE BOX	TELEPHONE LINE
ELECTRIC BOX	GAS LINE
MINOR CONTOUR (1')	

● SPOTHS COLOR SURVEY MONUMENT MARKING IS SET UNLESS OTHERWISE NOTED.

UTILITIES
 SOUTH DAKOTA ONE CALL NOTIFICATION CENTER
 113 EVERGREEN HEIGHTS DRIVE
 SIOUX FALLS, SD 57105
 1-800-781-9274

The location of existing underground utilities are shown by an approximation only and have not been independently verified by the owner or its representative. The contractor shall determine the exact location of all existing utilities before any construction work and agree to be fully responsible for any damage which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities.

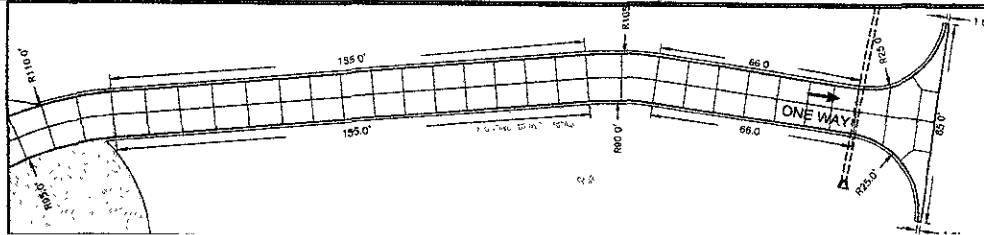
Remetz Engineering Company
 414 S.W. 4th St. • Rapid City, SD 57701 • 605/771-1111
 Fax: 605/771-2513 • E-Mail: remetz@remetz.com
 Registered Professional Engineer
 License No. 104771-0001

South Dakota State Land Surveyor
 2652 GARY D. REMETZ
 104771-0001

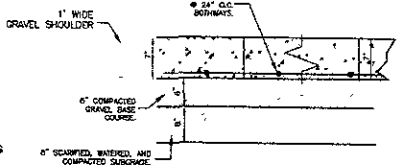
Designed by: Green By: PSW
 Drawn by: PSW
 Check Date: 3/13/2007
 Checked by: PSW
 Survey Date: 12/11/06

4/20/07
 GRADES, HIGHWAYS, AND WATER SERVICE AND WATER MAIN EXTENSIONS, TRUCK TURNAROUND

CHEYENNE RIVER SPEC. MIX, LLC
 BALANCE OF BLOCK 2 OF NW1/4 OF NW1/4, SECTION 34
 AND BLOCK 2 OF NE1/4 OF NE1/2, SECTION 33
 TOWN 107E, RANGE 101W
 RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA



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 - WATER MAIN CONSTRUCTION IN ACCORDANCE WITH SECTION 8 OF CURRENT RAPID CITY STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



CONCRETE PAVEMENT

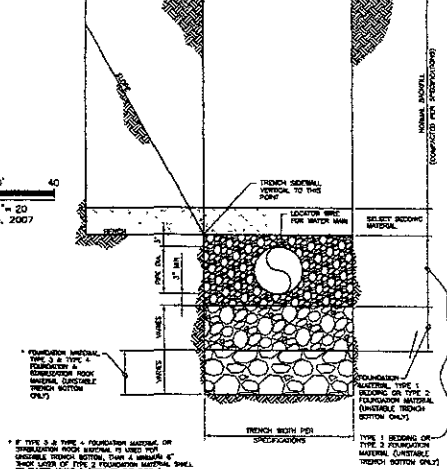
Prepared for:
PETE LIEM & SONS
 ATTN: DANIELLE WEBBERS
 P.O. BOX 440
 RAPID CITY, SD 57709

Project No. No.:
 162631-14

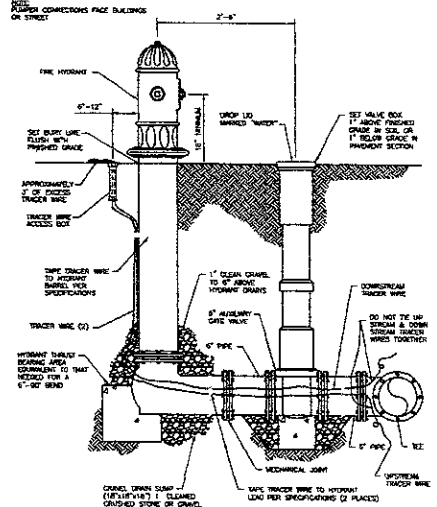
Drawn by:
CONCRETE SURFACE

PLAN

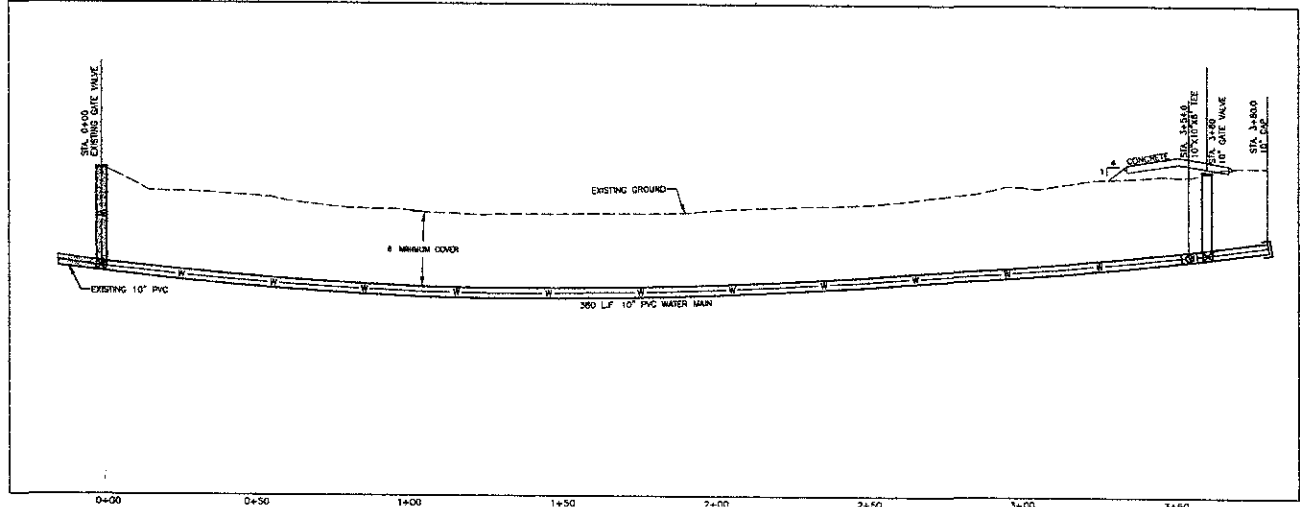
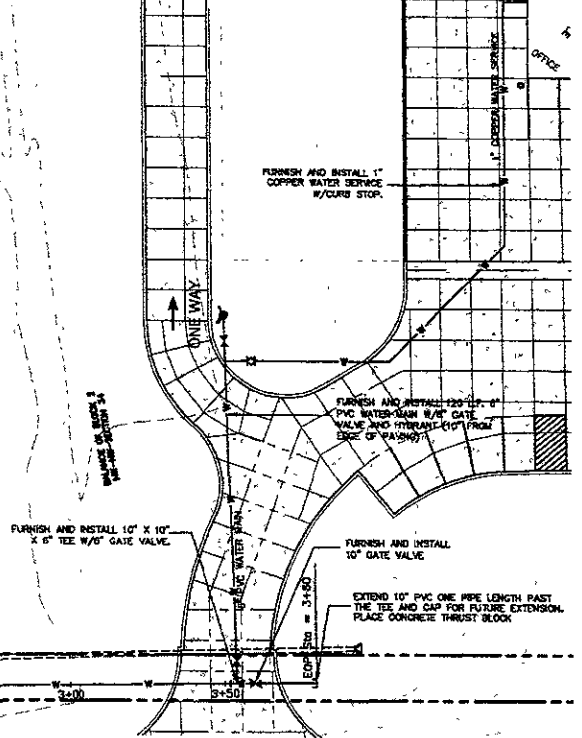
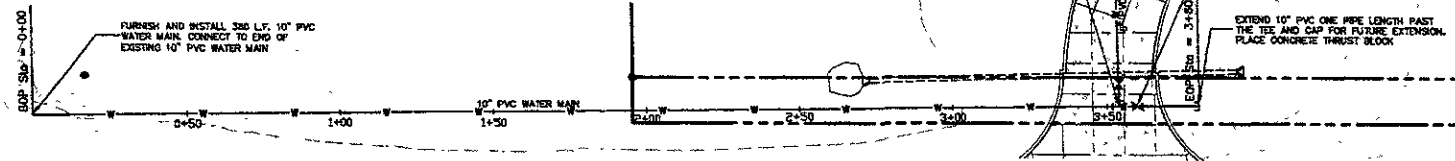
0 10' 20' 40'
SCALE: 1" = 20'
APRIL 20, 2007



TRENCH DETAIL FOR
WATER & SEWER MAIN
CITY OF RAPID CITY DETAIL 11-3
NTS



HYDRANT SETTING DETAIL
CITY OF RAPID CITY DETAIL 8-1
NTS



SCALE: 1" = 20' HOR
1" = 4' VER

- NOTE:
- 1. CONTRACTOR TO FURNISH AND INSTALL SUFFICIENT EROSION CONTROL TO PREVENT EROSION ONTO ADJACENT PROPERTY.
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 - 3. CONTRACTOR, PROVIDE APPROVED TRAFFIC CONTROL PLAN AS NEEDED.
 - 4. WATER MAIN CONSTRUCTION IN ACCORDANCE WITH SECTION 3 OF CURRENT RAPID CITY STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

CHEYENNE RIVER SPEC. MIX, LLC
BALANCE OF BLOCK 2 OF NW1/4 OF NW1/4, SECTION 34
AND BLOCK 2 OF NE1/4 OF NE1/2, SECTION 33
T2N, R7E, B9M
RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

PROPOSED LOCATION

Project No: #2031.14

Drawn By: WATER MAIN
Plan and Profile
Sta. 0+00 to 3+80

Scale: 5 of 5

Remmer Engineering Company
2652
1221105

REGISTERED PROFESSIONAL ENGINEER
STATE OF SOUTH DAKOTA
No. 17422

Date: 12/1/06
Designed By: PMW
Checked By: JAC
Drawn By: JAC
Scale: 1" = 20'
Project No: 1221105