

**Reclamation Plan for Panco LLC;**

The reclamation of the site will be done in accordance with the attached construction drawings. Reclamation will consist of spreading the topsoil that is stripped off of the site prior to mining activities, seeding the area using a drill, then mulching using straw.

Please see the attached construction drawings for the reclamation plan.

The reclamation is anticipated to be completed in the time frames listed in the Phasing Plan.

**Reclamation calculations:**

Developed area = 49.8 acres

Area disturbed = 18.74 acres, or 816,314 sf

**Estimated costs:**

Spread existing topsoil 18.74 acres at \$2,000 acre = \$37,480

Drill and mulch 18.74 acres at \$3,000 acre = \$56,220

Total cost of reclamation = \$93,700

**Surety bonds:**

Please see the attached surety bond for the amount of \$93,700 for reclamation

\*There is already a bond in the amount of \$20,000.00 issued to the state for reclamation, as required to receive the mining license

NOTE:  
SILT DITCHES WILL BE FILLED IN TO ALLOW FOR SHEET FLOW OFF OF THE SITE.

UPON COMPLETION OF GRADING ACTIVITIES DISK ACCESS ROADS PRIOR TO PLACEMENT OF TOPSOIL.

SEEDING SHALL NOT BE DONE BETWEEN JUNE 15 AND AUGUST 31 WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.

THE CONTRACTOR SHALL REPLACE THE STRIPPED TOPSOIL OVER ALL DISTURBED AREAS AND FERTILIZE, DRILL SEED, AND STRAW MULCH.

THE CONTRACTOR IS TO HYDROSEED SLOPES 3:1 OR GREATER.

THE CONTRACTOR SHALL SUBMIT A CERTIFIED ROAD DITCH SEED MIX LISTING THE SPECIFIC VARIETIES OF SEED IN THE MIX INTENDED FOR USE. ALTERNATIVE SEED MIXES SHALL BE SENT TO THE CITY OF RAPID CITY CITY ENGINEERING DIVISION, 300 SIXTH STREET RAPID CITY, S.D. 57701 FOR APPROVAL.

TOTAL RECLAIMED AREA  
APPROXIMATE AREA = 18.74 ACRES

UNPLATTED PROPERTY  
N1/2SE1/4 LESS LOT H1 & H2 & LESS ROW  
SW1/4 SECTION 33, T2N, R8E  
OWNER: DUANE C. PANKRATZ

UNPLATTED PROPERTY  
SE1/4SE1/4 LESS LOT H1 & H2 &  
LESS ROW, SECTION 33, T2N, R8E  
OWNER: DUANE C. PANKRATZ

UNPLATTED PROPERTY  
N1/2S1/4 LESS LOT H1 & H2 & LESS ROW  
SW1/4 SECTION 33, T2N, R8E  
OWNER: DUANE C. PANKRATZ

UNPLATTED PROPERTY  
SE1/4SE1/4 LESS LOT H1 & H2 &  
LESS ROW, SECTION 33, T2N, R8E  
OWNER: DUANE C PANKRATZ

UNPLATTED PROPERTY  
N1/2SE1/4 LESS LOT H1 & H2  
& LESS ROW, AND SW1/4SE1/4  
SECTION 33, T2N, R8E  
OWNER: DUANE C PANKRATZ

REMOVE CULVERT AND  
REESTABLISH CHANNEL UPON  
THE COMPLETION OF GRADING  
ACTIVITIES

FINAL GRADE  
2' INTERVAL

CONSTRUCTION  
LIMITS (TYP)

UPON THE COMPLETION  
OF GRADING ACTIVITIES  
DISK AND STABILIZE ACCESS  
WITH VEGETATIVE COVER

REMOVE CULVERT AND  
REESTABLISH CHANNEL UPON  
THE COMPLETION OF GRADING  
ACTIVITIES

RUSHMORE BUSINESS PARK  
PORTION OF GOVERNMENT LOT 2  
OWNER: RAPID CITY ECONOMIC  
DEVELOPMENT FOUNDATION

EXISTING 60" RCP  
CULVERT

PROPERTY LINE  
(SECTION LINE)

PROPERTY LINE  
(16TH LINE)

PROPERTY LINE  
(SECTION LINE)

CITY OF RAPID CITY	
Engineering Reviewer	Date
COMMENTS	
Submittal:	
Revisions:	

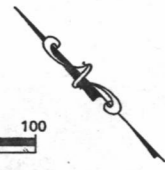
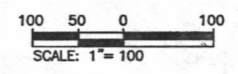
Internal Job No:	Designed By:	Drawn By:
11-0590	ILG	ILG
Surveyed By:	Survey Date:	
NA	NA	



**DREAM DESIGN**  
INTERNATIONAL, INC.  
ENGINEERING, LANDSCAPE ARCHITECTURE,  
LAND PLANNING, CONSTRUCTION ADMINISTRATION  
528 KANSAS CITY STREET, SUITE 4, RAPID CITY, SD 57701  
PHONE: (605) 348-0538 FAX: (605) 348-0545 WWW.DREAMDESIGNING.COM

**PANKRATZ PROPERTY GRADING  
AND EROSION CONTROL PLAN**  
RAPID CITY, SD

Sheet Name:	RECLAMATION PLAN
Sheet Number:	9 of 9



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