610
609
683
29
49
687
689
681
691
693
685

8" RESTORATION LINES TO/FROM CPP

OVERHEAD ELECTRIC FROM SUBSTATION

CONVEYANCE PIPING VALVE VAULT (TYP) (SEE DETAIL)

SATELLITE PROCESSING PLANT

TOPSOIL STOCKPILE APPROXIMATELY 1000 CuYds

STAGING AREA 200'x200'

TOPSOIL STOCKPILE APPROXIMATELY 20,000 CuYds

TOPSOIL STOCKPILE APPROXIMATELY 20,000 CuYds

TOPSOIL STOCKPILE APPROXIMATELY 20,000 CuYds

TOPSOIL STOCKPILE APPROXIMATELY 20,000 CuYds

Burlington Northern RR

LEGEND:

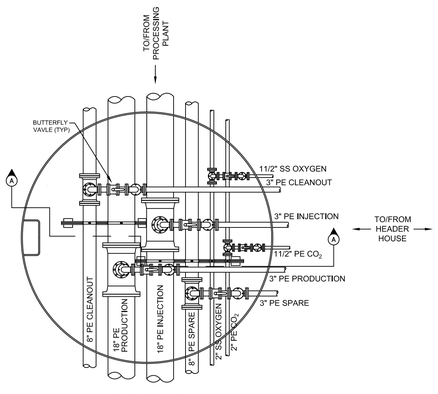
INJECTION WELL PIPING

PRODUCTION WELL PIPING

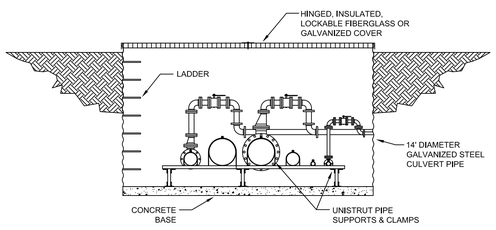
0 50 100
SCALE IN FEET

SIMPLIFIED HEADER HOUSE MINING UNIT PIPING LAYOUT

32



EXAMPLE VALVE VAULT DETAIL



EXAMPLE SECTION A-A

Feet
0 100 200 400 600 800
0 50 100 200
Meters

LEGEND:

- BOUNDARY OF HEADER HOUSE MINE UNIT
- HEADER HOUSE
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- CONVEYANCE PIPING
- NEW ACCESS ROAD
- EXISTING ROAD
- FENCE

WELL LEGEND:

AQUIFER (color)

- ALLUVIUM
- INYAN KARA
- FALL RIVER
- FUSON SHALE
- LAKOTA (CHILSON)
- SUNDANCE
- UNKNOWN

WELL USE (symbol)

- DOMESTIC
- STOCK
- UNUSED DOMESTIC
- UNUSED STOCK
- MONITORING

PRODUCTION WELL

INJECTION WELL

N

CONSULTANT

REVISIONS

#	DRAWN	CHECKED	APPROVED	DATE

REF 324

CHECK SCALES
If this bar does not measure 1 inch this map is not at its original scale

Arch E 36" x 48"

PLOT DATE 07-Aug-2009 | DATE 12-Nov-2008
DRAWN Cadd Services (JGM) | CHECKED W. Mays
SCALE 1" = 200' | FILENAME p:\dewey-burdock\nrc supplimental\finals\nrc-deweymineunitmaps100.dwg

POWERTECH (USA) INC.

Supplemental Exhibit 3.1-8

100 foot Grid
Dewey Mining Unit, Sections 29 and 32
Custer County, South Dakota

PROJECT Dewey-Burdock
COORDS NAD 27, South Dakota State Plane South (feet)

1Bii(c)

OF