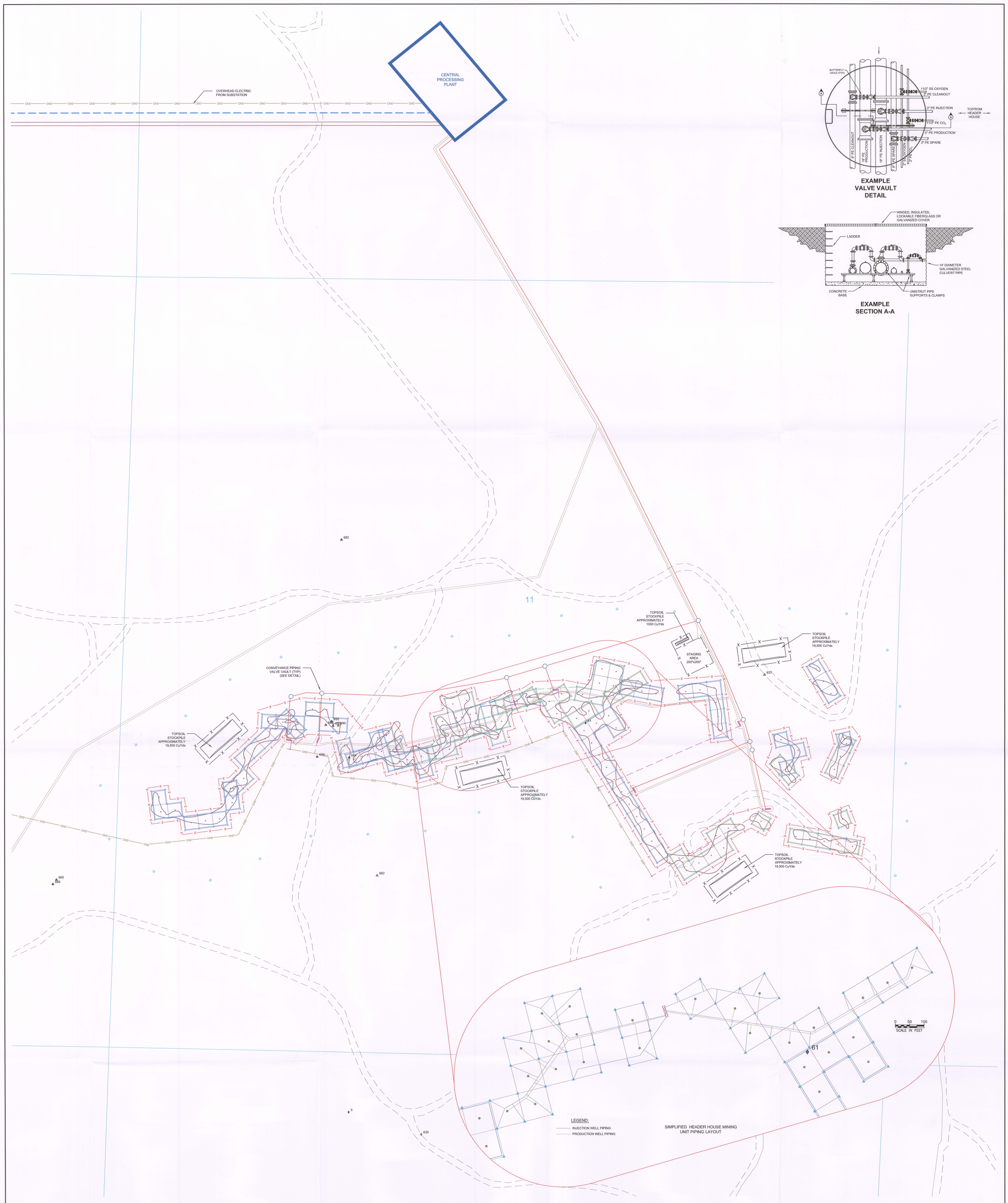
CENTRAL PROCESSING PLANT
OVERHEAD ELECTRIC FROM SUBSTATION
11
TOPSOIL STOCKPILE APPROXIMATELY 1000 CuYds
STAGING AREA 200'x200'
TOPSOIL STOCKPILE APPROXIMATELY 19,500 CuYds
CONVEYANCE PIPING VALVE VAULT (TYP) (SEE DETAIL)
TOPSOIL STOCKPILE APPROXIMATELY 19,500 CuYds
TOPSOIL STOCKPILE APPROXIMATELY 19,500 CuYds
TOPSOIL STOCKPILE APPROXIMATELY 19,500 CuYds
682
637
686
684
662
665
635
61
5
0 50 100
SCALE IN FEET
LEGEND:
INJECTION WELL PIPING
PRODUCTION WELL PIPING
SIMPLIFIED HEADER HOUSE MINING UNIT PIPING LAYOUT
BUTTERFLY VALVE (TYP)
1 1/2" SS OXYGEN
2" PE CLEANOUT
3" PE INJECTION
TO/FROM HEADER HOUSE
1 1/2" PE CO_2
3" PE PRODUCTION
3" PE SPARE
6" PE CLEANOUT
18" PE PRODUCTION
18" PE INJECTION
3" PE SPARE
1 1/2" OXYGEN
2" PE CO_2
EXAMPLE VALVE VAULT DETAIL
HINGED, INSULATED, LOCKABLE FIBERGLASS OR GALVANIZED COVER
LADDER
14' DIAMETER GALVANIZED STEEL CULVERT PIPE
CONCRETE BASE
UNISTRUT PIPE SUPPORTS & CLAMPS
EXAMPLE SECTION A-A
Feet
0 100 200 400 600 800
0 50 100 200
Meters
D20
Crook County
Lawrence County
Pennington County
Rapid City
Weston County
Custer County
Wyoming
South Dakota
Niobrara County
Fall River County
N
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
CONSULTANT
REVISIONS
DRAWN CHECKED APPROVED DATE
REF 326
CHECK SCALES
If this bar does not measure 1 inch this map is not at its original scale
PLOT DATE 07-Aug-2009
DATE 17-Nov-2008
DRAWN Cadd Services (JGM)
CHECKED W. Mays
SCALE 1" = 200'
FILENAME p:\dewey-burdock\nrc supplimental\finals\nrc-burdockmineunitmaps100.dwg
Arch E 36" x 48"
POWERTECH (USA) INC.
Supplemental Exhibit 3.1-9
100 foot Grid
Burdock Mining Unit, Section 11
Fall River County, South Dakota
PROJECT Dewey-Burdock Project
COORD. NAD 27, South Dakota State Plane South (feet)
1Bii(b)
OF