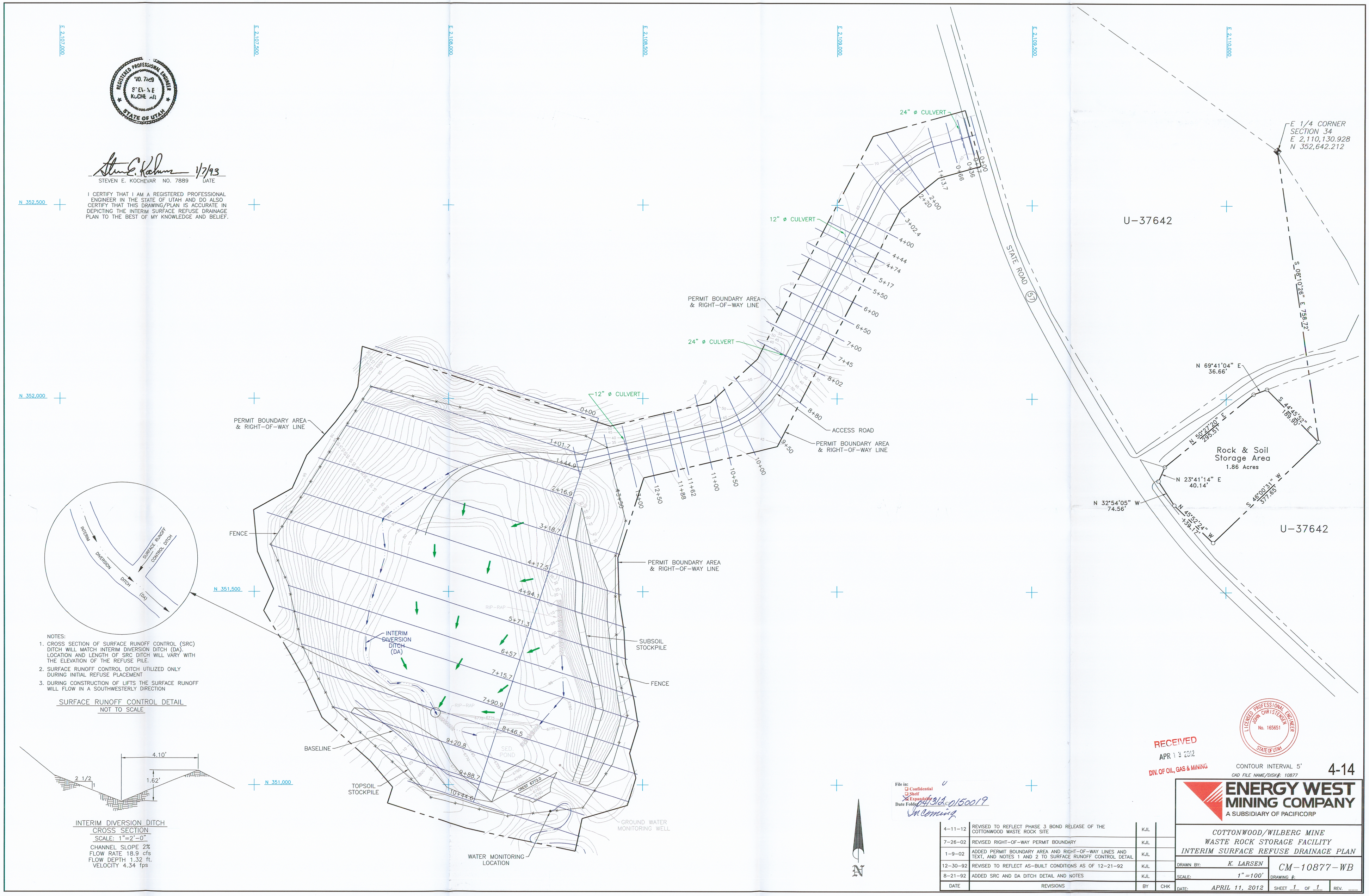

E 2,107,000
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N 352,500
N 352,000
N 351,500
N 351,000
REGISTERED PROFESSIONAL ENGINEER
NO. 7889
STEVEN E. KOCHEVAR
STATE OF UTAH
1/7/93
STEVEN E. KOCHEVAR NO. 7889 DATE
I CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF UTAH AND DO ALSO CERTIFY THAT THIS DRAWING/PLAN IS ACCURATE IN DEPICTING THE INTERIM SURFACE REFUSE DRAINAGE PLAN TO THE BEST OF MY KNOWLEDGE AND BELIEF.
24" ø CULVERT
12" ø CULVERT
PERMIT BOUNDARY AREA & RIGHT-OF-WAY LINE
ACCESS ROAD
FENCE
INTERIM DIVERSION DITCH (DA)
SUBSOIL STOCKPILE
BASELINE
TOPSOIL STOCKPILE
SED. POND
GROUND WATER MONITORING WELL
WATER MONITORING LOCATION
STATE ROAD 57
U-37642
E 1/4 CORNER SECTION 34 E 2,110,130.928 N 352,642.212
S 08°10'26" E 758.72'
N 69°41'04" E 36.66'
S 44°45'52" E 189.90'
N 50°27'20" E 295.51'
Rock & Soil Storage Area 1.86 Acres
N 23°41'14" E 40.14'
N 32°54'05" W 74.56'
N 45°52'24" W 139.17'
S 46°00'31" W 377.65'
INTERIM DIVERSION DITCH (DA)
SURFACE RUNOFF CONTROL DITCH
NOTES:
1. CROSS SECTION OF SURFACE RUNOFF CONTROL (SRC) DITCH WILL MATCH INTERIM DIVERSION DITCH (DA). LOCATION AND LENGTH OF SRC DITCH WILL VARY WITH THE ELEVATION OF THE REFUSE PILE.
2. SURFACE RUNOFF CONTROL DITCH UTILIZED ONLY DURING INITIAL REFUSE PLACEMENT
3. DURING CONSTRUCTION OF LIFTS THE SURFACE RUNOFF WILL FLOW IN A SOUTHWESTERLY DIRECTION
SURFACE RUNOFF CONTROL DETAIL
NOT TO SCALE
4.10'
1.62'
2 1/2
1
INTERIM DIVERSION DITCH CROSS SECTION
SCALE: 1"=2'-0"
CHANNEL SLOPE 2%
FLOW RATE 18.9 cfs
FLOW DEPTH 1.32 ft.
VELOCITY 4.34 fps
N
RECEIVED
APR 13 2012
DIV. OF OIL, GAS & MINING
LICENSED PROFESSIONAL ENGINEER
JOHN CHRISTENSEN
No. 165651
STATE OF UTAH
CONTOUR INTERVAL 5'
CAD FILE NAME/DISK#: 10877
4-14
File in:
Confidential
Shelf
Expandable
Date Folded: 04/13/2012 0150019
In Coming
ENERGY WEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP
COTTONWOOD/WILBERG MINE
WASTE ROCK STORAGE FACILITY
INTERIM SURFACE REFUSE DRAINAGE PLAN
DRAWN BY: K. LARSEN
SCALE: 1"=100'
DATE: APRIL 11, 2012
CM-10877-WB
DRAWING #:
SHEET 1 OF 1
REV.
4-11-12 REVISED TO REFLECT PHASE 3 BOND RELEASE OF THE COTTONWOOD WASTE ROCK SITE KJL
7-26-02 REVISED RIGHT-OF-WAY PERMIT BOUNDARY KJL
1-9-02 ADDED PERMIT BOUNDARY AREA AND RIGHT-OF-WAY LINES AND TEXT, AND NOTES 1 AND 2 TO SURFACE RUNOFF CONTROL DETAIL KJL
12-30-92 REVISED TO REFLECT AS-BUILT CONDITIONS AS OF 12-21-92 KJL
8-21-92 ADDED SRC AND DA DITCH DETAIL AND NOTES KJL
DATE REVISIONS BY CHK