TRANSITION DETAIL OF THE DIVERSION CHANNEL INTO THE EXISTING 90" C.M.P.
NO SCALE

TYPICAL CROSS SECTION OF CONTOUR DITCHES
NO SCALE

TYPICAL CHANNEL DRAINAGE CROSS SECTION WITH SEDIMENT COLLECTOR DITCHES
NO SCALE

TYPICAL CROSS SECTION
HORIZONTAL SCALE: 1"=40'

COTTONWOOD/WILBERG MINE – FINAL RECLAMATION PLAN STAGE I – EARTHWORK QUANTITIES BALANCE SHEET

STATION	CUT	FILL	EXCESS CUT	REQUIRED FILL	BALANCE
1+00 TO 2+00 LEFT	0	791	0	791	791
2+00 TO 3+00 LEFT	456	2,876	0	2,420	3,211
3+00 TO 4+00 LEFT	2570	5,752	0	3,182	6,393
4+00 TO 5+00 LEFT	2785	9,191	0	6,406	12,799
5+00 TO 6+00 LEFT	10,098	7,007	3,091	0	9,708
6+00 TO 7+00 LEFT	11,543	4,198	7,345	0	2,363
7+00 TO 8+00 LEFT	10,063	3,715	6,348	0	–3,985
8+00 TO 9+00 LEFT	22,726	8,494	14,232	0	–18,217
9+00 TO 10+00 LEFT	30,385	9,006	21,379	0	–39,596
10+00 TO 11+00 LEFT	25,837	6,920	18,917	0	–58,513
11+00 TO 12+00 LEFT	11,452	10,841	611	0	–59,124
12+00 TO 13+00 LEFT	2,313	9,567	0	7,254	–51,870
13+00 TO 14+00 LEFT	2,142	5,830	0	3,688	–48,182
14+00 TO 15+00 LEFT	122	4,607	0	4,485	–43,697
15+00 TO 16+00 MC	1,202	5,657	0	4,455	–39,242
16+00 TO 16+25 MC	205	876	0	671	–38,571
0+00 TO 1+00 RIGHT	774	2,765	0	1,991	–36,580
1+00 TO 2+00 RIGHT	1,024	6,861	0	5,837	–30,743
2+00 TO 3+00 RIGHT	915	5,344	0	4,429	–26,314
3+00 TO 4+00 RIGHT	1,498	2,970	0	1,472	–24,842
4+00 TO 5+00 RIGHT	2,820	4,259	0	1,439	–23,403
5+00 TO 6+00 RIGHT	994	5,580	0	4,586	–18,817
6+00 TO 7+00 RIGHT	157	3,537	0	3,380	–15,437
7+00 TO 8+00 RIGHT	517	1,261	0	744	–14,693
8+00 TO 9+00 RIGHT	1,281	3,594	0	2,313	–12,380
TOTAL	143,879	131,499	12,380	0	

GRAVEL FILTER & RIPRAP SPECIFICATIONS

	D_{15} (MM)	D_{50} (MM)	D_{85} (MM)	D_{MAX} (FT)	THICKNESS (INCHES)
BOTTOM LAYER	0.42	1.09	2.00	–	6
MIDDLE LAYER	4.76	12.00	25.40	–	6
TOP LAYER	38.10	95.00	152.00	–	8
RIPRAP	365.00	914.00	–	3.75	

NOTE: SEE DWG. #CM-10378-WB FOR CHANNEL DIMENSIONS AND SPECIFICATIONS

DATE	REVISIONS	BY	CHK.
10-31-11	ADDED 9TH EAST BREAKOUT PHASE III BOND RELEASE DELINEATION	KJL	
12-20-00	CONVERTED DRAWING TO AUTOCAD/REVISED MASS BALANCE TABLE	KJL	
8-31-89	REVISED CONTOUR LINES & MASS BALANCE TABLE	J&T	TJF
8-29-89	REVISED PERMIT BOUNDARY LINE LEASE U-044025	KJL	TJF
6-1-89	CHANGED CONTOUR LINES & ADDED MASS BALANCE		LJG
3-1-89	CHANGED TITLE BLOCK	JRG	
10-23-84	REVISED TYP. DRAINAGE X-SECT. & ADDED GRAVEL FILTER SPEC.	SMC	
4-30-84	REALIGNED DIVERSION CHANNELS TO ORIGINAL FORM	SMC	
11-12-83	UPDATED FINAL RECLAMATION CONTOURS	SMC	

RECEIVED
NOV 08 2011
DIV. OF OIL, GAS & MINING

File in:
☐ Confidential
☐ Shelf
☒ Expandable
Date Folder 110811 to 0150018
Incoming

CAD FILE NAME/DISK#: CM-10500-WB

4-1

ENERGY WEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP

COTTONWOOD/WILBERG MINE
FINAL RECLAMATION MAP
STAGE I

DRAWN BY: K. LARSEN
SCALE: 1"=100'
DATE: OCTOBER 31, 2011
DRAWING #: CM-10500-WB
SHEET 1 OF 1
REV.