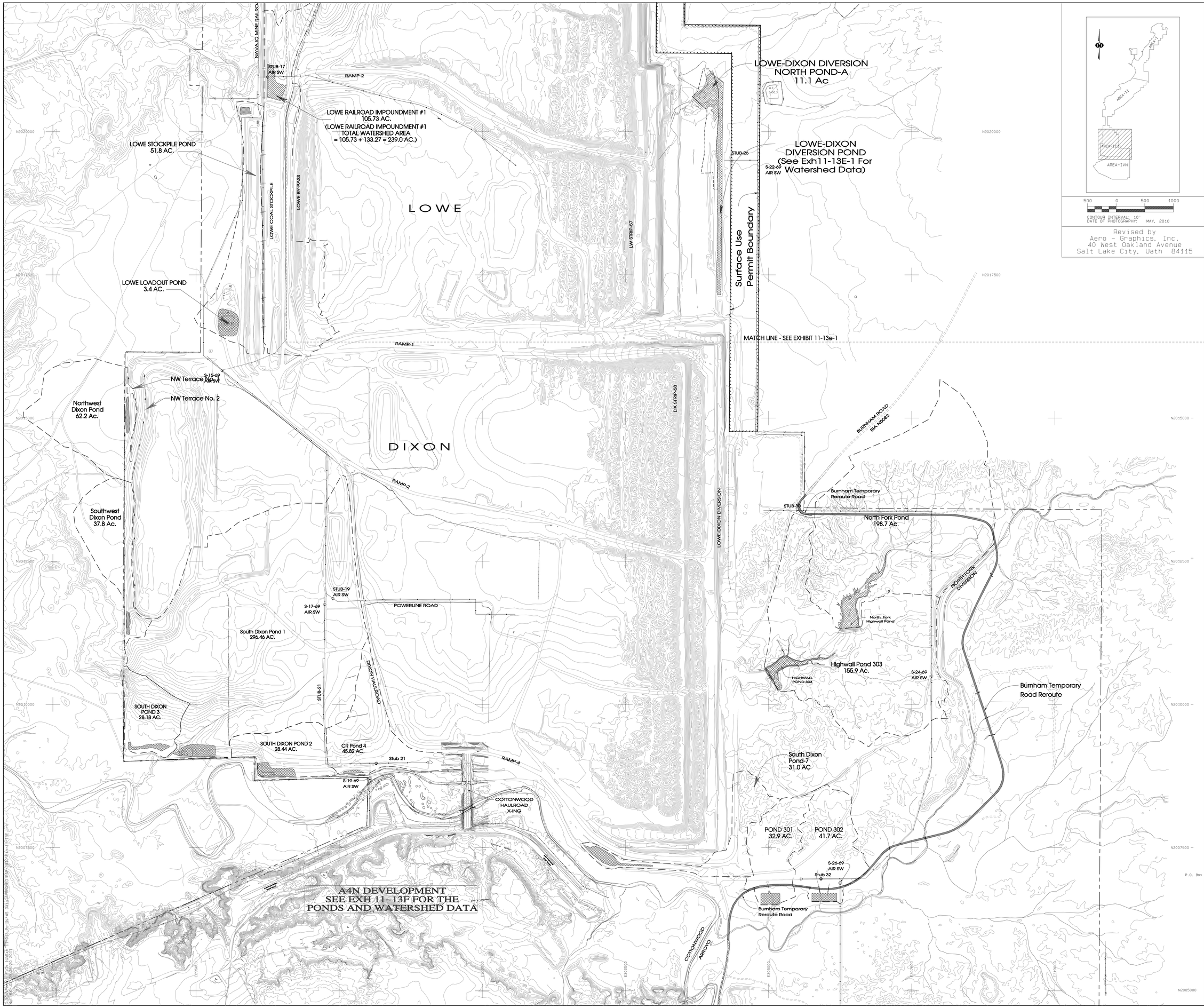

500 0 500 1000

CONTOUR INTERVAL: 10'
DATE OF PHOTOGRAPHY: MAY, 2010

Revised by
Aero - Graphics, Inc.
40 West Oakland Avenue
Salt Lake City, Uath 84115

LEGEND

- PAVED ROAD
- DIRT ROAD
- HAUL ROAD
- TRAIL
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- × 5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- INTERMEDIATE CONTOUR
- 218 5422.45 HORIZ. & VERT. CONTROL
- L-30 LEASE CORNER
- PERMIT/LEASE BOUNDARY
- WATERSHED BOUNDARY
- PONDS

NOTES :
1. FOR HYDROLOGY INFORMATION REFER TO APPENDIX 11-AA IN THE APPROVED PAP.

REV. No.	DATE	DRAFT BY	REVISION DESCRIPTION	ENG. BY	E.S.	P.E. APPROVALS	APPROVED DATE
D-3	7-21-15	P.J.F	ADDED NORTH FORK POND NO. 3 WITH WATERSHED AND SUBMITTED TO DSM FOR REVIEW.	RVV	YB	RVV	
D-2	3-24-15	P.J.F	PREPARED SOUTH DIXON POND NO. 302 WATERSHED AND SUBMITTED TO DSM FOR REVIEW.	RVV	YB	RVV	
D-1	02-10-15	P.J.F	REMOVED SOUTH DIXON POND 2 WATERSHED, REMOVED SOUTH DIXON POND 3 AND SUBMITTED TO DSM FOR REVIEW.	RVV	YB	RVV	
D-4	01-08-15	P.J.F	UPDATED LOW-DIXON TO1 POND-A WITH DIVERSION DATA, REMOVED LOW-DIXON POND-B, REMOVED LOW-DIXON POND-C, NORTH POND AND SUBMITTED TO DSM FOR REVIEW.	RVV	YB	RVV	
D5-C	12-17-08	P.J.F	PREPARED AS-BUILT FOR LOD POND-A, UPDATED WATERSHED, AND SUBMITTED TO DSM FOR REVIEW.	Dwyer Smith	YB	RCV	
D5-B	7-12-09	P.J.F	Original certified signed exhibits are maintained at the mine site and DSM.	Dwyer Smith	YB	KAB	
			ADDED NORTH FORK POND 2 AND LOWE PIT NO2 SUBMITTED TO DSM FOR REVIEW.				
D5-A	02-02-09	P.J.F	REVISED POND 1 TO1&2 TO DRAW POND B IN THE WATERSHED DATA AND SUBMITTED TO DSM FOR REVIEW.	Dwyer Smith	YB	RVV	
D6-3	11-25-08	P.J.F	ADDED SOUTH DIXON POND 7 AND POND-B WATERSHED AREA AND SUBMITTED TO DSM FOR REVIEW.	Dwyer Smith	YB	RVV	
D6-C	11-20-08	P.J.F	REVISED SOUTH DIXON POND 3 AND POND-1 WATERSHED AREA AND SUBMITTED TO DSM FOR REVIEW.	Dwyer Smith	YB	RVV	
D6-B	5-14-08	P.J.F	REMOVED SOUTH DIXON POND 4 LOWE RAILROAD IMPOUNDMENT #1 AND SOUTH DIXON POND-7 WATERSHED AREA, REMOVED LOW-DIXON DIVERSION AND SUBMITTED TO DSM FOR REVIEW.	Dwyer Smith	YB	RVV	
D6-A	1-23-08	P.J.F	UPDATED EXHIBIT, REMOVED NORTH FORK POND, IMPOUNDMENT, MODIFIED SOUTH DIXON POND-7 WATERSHED, ADDED NORTH FORK DIVERSION AND SUBMITTED TO DSM FOR REVIEW.	RVV	YB	RVV	
2	3-27-06	RY	UPDATED WATERSHED AREAS FOR NO. DIXON POND 1, SOUTH DIXON POND 2 AND CR POND 4.	LR	KJ	LR	
1	1-25-06	P.J.F	REMOVED NW-TERRACE SOUTH OUTSLOPE POND AND SUBMITTED TO DSM FOR REVIEW.	LR	KJ	LR	
X	8-13-04	P.J.F	REVISED LOWE-DIXON DIVERSION 12/29/03 & 1/5, SEE EXHIBIT 11-13E-1, AND SUBMITTED TO DSM FOR REVIEW.	LR	MC	LR	
W	4-29-03	P.J.F	REMOVED SPRAGLINE ERECTION SITE POND (W NO.) ADDED NOTE FOR LOWE PERMANENT IMP NO.1 AND SUBMITTED TO DSM FOR REVIEW.	LR	MC	LR	
V	12-31-03	RY	UPDATED WATERSHED AREA FOR LOWE RAILROAD IMPOUNDMENT NO. 1 AND ADJACENT AREAS.	LR	MC	LR	
U	10-20-03	P.J.F	REMOVED SOUTH DIXON POND 5 AND SUBMITTED TO DSM FOR REVIEW.	LR	MC	LR	
T	07-21-03	RY, P.J.F	ADDED NORTH FORK HIGHWALL IMPOUNDMENT, UPDATED WATERSHED AREA FOR OUTSLOPE POND AND REMOVED SOUTH DIXON POND NO.2	LR	MC	LR	
S	03-05-03	RY	UPDATED WATERSHED AREA FOR SOUTH DIXON POND 5.	LR	MC	LR	
R	11-02-02	P.J.F	UPDATED SOUTH DIXON POND-5, REMOVED THE FOLLOWING PONDS:WEST-D TEMPORARY DIVERSION IMPOUNDMENT #3, TUNF-OVER BLNDEFT2,3,LOWEHOLEPOND 2 V1, ADDED SOUTH DIXON WATERSHEDS AND SUBMITTED TO DSM FOR REVIEW.	LR	MC	LR	
Q	7-12-02	P.J.F	ADDED POND-S-2 AND 3 WITH WATERSHED AREAS IN SOUTH DIXON PIT EXTENSION.	LR	MC	LR	
P	7-23-01	RY	UPDATED WATERSHEDS FOR SOUTH DIXON POND 4	LR	MC	LR	
O	1-15-01	P.J.F	UPDATED WATERSHEDS FOR CR POND-4	LR	MC	LR	
N	11-13-00	P.J.F	REMOVED CR POND 5	LR	MC	LR	
M	3-13-00	RY	ADDED WATERSHED AREA FOR SO DIXON POND 2 & 3, REMOVED TB POND 1 & 3 AND AS TEMPORARY DIVERSION IMPOUNDMENT # 1		MC	LR	
L	7-29-99	P.J.F	UPDATED WATERSHED AREA FOR LOWE HOLES POND-3	KBB	MC	LR	
K	7-29-98	P.J.F	MID TERM SUBMITTAL TO DSM FOR REVIEW AND APPROVAL.	BH	MC	LR	
J	01-28-98	P.J.F	UPDATED WATERSHED AREA FOR LOWE IMPOUNDMENT 1,2 AND SPRAGLINE ERECTION SITE. POND-1V#1 AND WATERSHED	PJ, PJF	PMJ	LF	
I	7-29-97	P.J.F	ADDED SPRAGLINE ERECTION SITE, POND 1V#5 AND WATERSHED	SW			
H	5-21-97	P.J.F	UPDATED WATERSHED AREA FOR LOWE RAILRD EMBANKMENT #2	VRP			
G	3-4-97	P.J.F	CHANGE WATERSHED AREA FOR AREA-III TEMPORARY DIVERSION IMPOUNDMENT #2	LF			
F	1-29-97	P.J.F	CHANGE WATERSHED AREAS FOR SOUTH DIXON POND 1 & 3.	VRP			
E	10-25-96	P.J.F	ADDED LEGEND FOR CR POND 4 & 5.	LF			
D	10-16-96	P.J.F	CHANGE THE WORD IMPOUNDMENTS TO PONDS AND UPDATED WATERSHEDS FOR COLLYER ROAD PONDS.				
C	8-30-96	P.J.F	ADDED WATERSHEDS FOR COLLYER ROAD IMPOUNDMENTS				
B	12-20-95	P.J.F	REVISED DRAINAGE AREAS.				
A	11-30-95	P.J.F	SUBMITTED TO DSM FOR APPROVAL.				

CERTIFICATION STATEMENT

I, Ron C. Van Valkenburgh hereby certify that this drawing was reviewed by me and that the information shown is complete and accurate to the best of my knowledge.

RON C. VAN VALKENBURGH
NEW MEXICO
9263
LICENSED PROFESSIONAL SURVEYOR

P.O. Box 1717

EXHIBIT 11-13E

BHP NAVAJO COAL COMPANY

NAVAJO MINE

P.O. BOX 1717 FRUITLAND, NEW MEXICO 87416

AREA-III IMPOUNDMENT AND POND LOCATIONS/ WATERSHED AREAS

PREPARED BY P.J.F	DRAWN BY P.J.F	SCALE 1" = 500'
APPROVED BY	DATE Sept. 11. 1995	(Plot Area: 35"x47")

MAP LOCATION: (See Lower Left Corner)