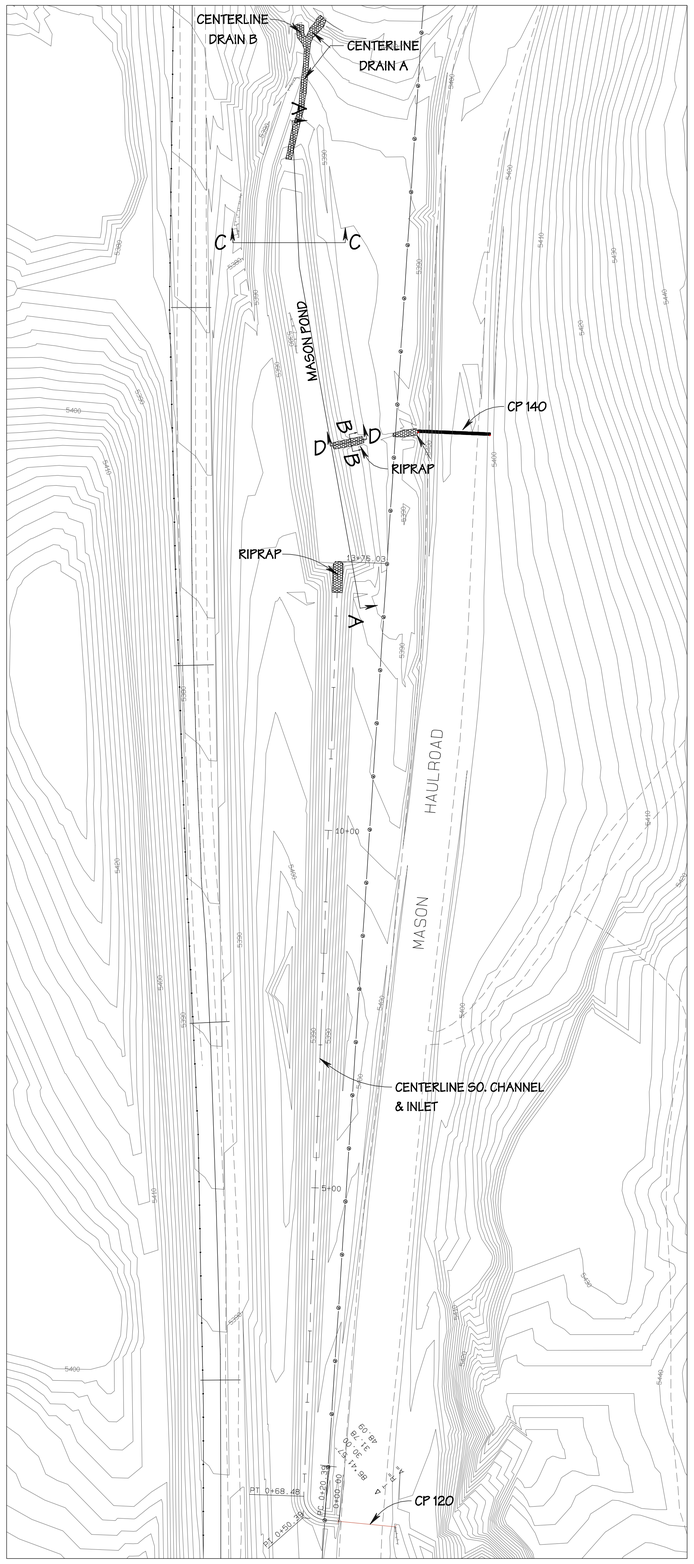
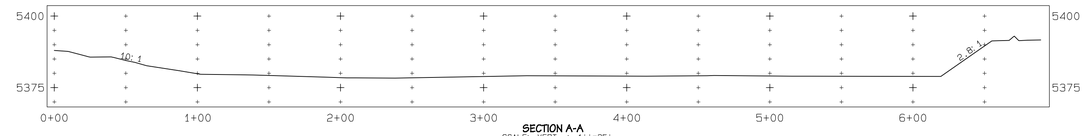
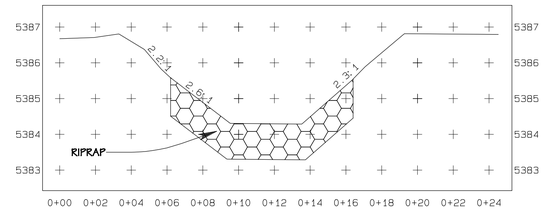


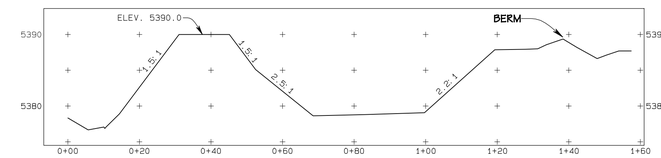
PLAN
SCALE: HORIZ.: 1''=100'



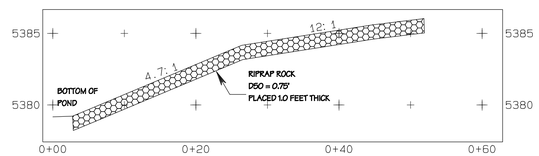
SECTION A-A
SCALE: VERT.: 1''=25'
HORIZ.: 1''=50'



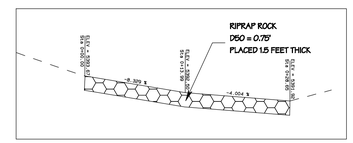
SECTION B-B
SCALE: VERT.: 1''=2'
HORIZ.: 1''=4'



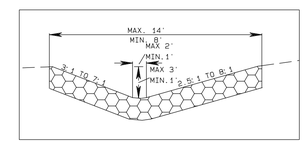
SECTION C-C
SCALE: VERT.: 1''=10'
HORIZ.: 1''=20'



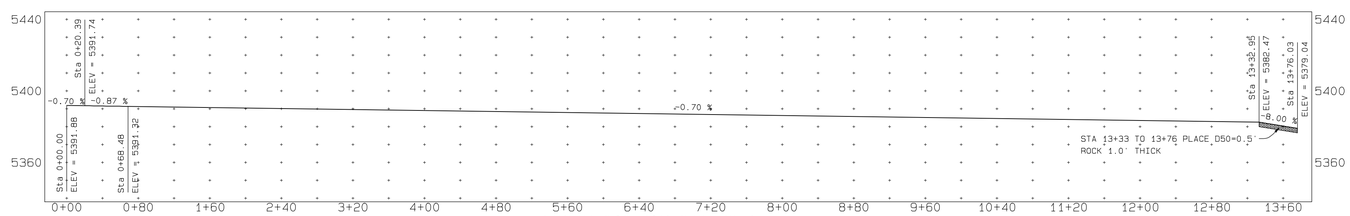
PROFILE D-D
SCALE: VERT.: 1''=5'
HORIZ.: 1''=10'



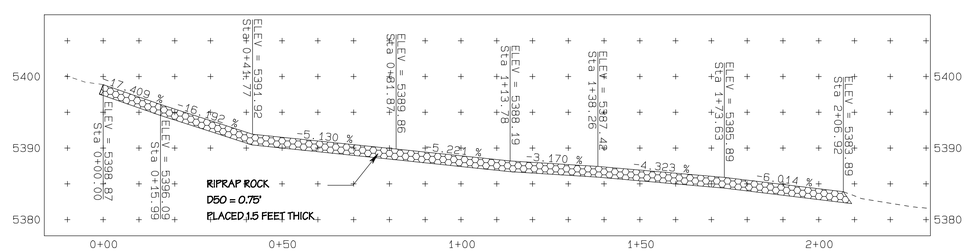
CENTERLINE PROFILE DRAIN B
SCALE: VERT.: 1''=5'
HORIZ.: 1''=10'



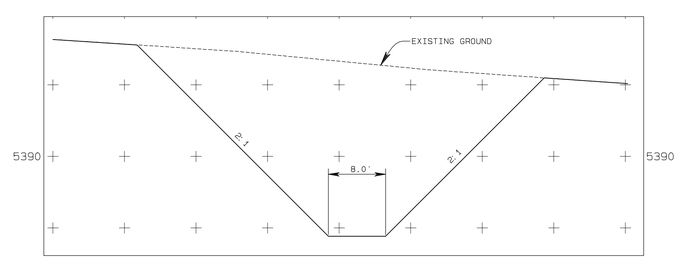
TYPICAL SECTION OF DRAIN A AND B
N.T.S



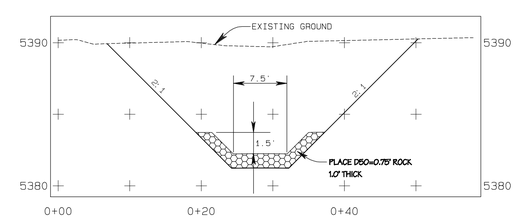
CENTERLINE PROFILE SOUTH CHANNEL/INLET
SCALE: VERT.: 1''=40'
HORIZ.: 1''=80'



CENTERLINE PROFILE DRAIN A
SCALE: VERT.: 1''=10'
HORIZ.: 1''=20'



TYPICAL SECTION SOUTH CHANNEL
SCALE: VERT.: 1''=5'
HORIZ.: 1''=10'



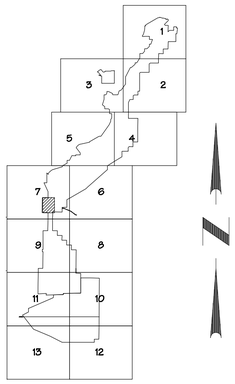
TYPICAL SECTION SOUTH CHANNEL
STA. 13+33 TO 13+76
SCALE: VERT.: 1''=5'
HORIZ.: 1''=10'

LEGEND

- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- LEASE LINE

NOTES:

1. FOR HYDROLOGY AND DESIGN INFORMATION REFER TO APPENDIX 11-AA IN THE APPROVED PAP.
2. THE POND LOCATION AND WATERSHED AREA ARE PRESENTED ON EXHIBIT 11-13D.



ELEV.	AREA (AC)	INC. VOLUME	CUM. VOLUME (AC-FT)
5379.0	0.28	0.00	0.00
5380.0	0.48	0.38	0.38
5381.0	0.55	0.52	0.89
5382.0	0.62	0.59	1.48
5383.0	0.72	0.67	2.15
5384.0	0.83	0.77	2.92
5385.0	0.96	0.89	3.82
5386.0	1.10	1.03	4.84
5387.0	1.37	1.23	6.08
5388.0	1.90	1.64	7.71
5389.0	2.85	2.38	10.09
5390.0	3.35	3.10	13.19

CERTIFICATION STATEMENT

I, LEONARD RAYMOND, HEREBY CERTIFY THAT THIS DRAWING WAS REVIEWED BY ME AND THAT THE INFORMATION SHOWN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

LEONARD RAYMOND
NEW MEXICO
6600
REGISTERED PROFESSIONAL ENGINEER

	REVISION	DATE
11-4	Modified Mason Pond and submitted to OSM for Review.	Jan. 18.2011

PROJECT MANAGER: Ferguson German
ENGR. of RECORD: Leonard Raymond
REG. NO: NM-6600
SRVYR of RECORD: Wilson Begay
REG. NO: NM-18828

bhpbilliton
NAVAJO COAL COMPANY
NAVAJO MINE
PO BOX 1717, FRUITLAND, NEW MEXICO, 87416 / PHONE 505-598-4200/FAX 505-598-3361

PROJECT:
DATE:
DESIGNED BY: Leonard Raymond
DRAWN BY: P. Foster
CHECKED BY: L. Raymond
APPROVED BY: L. Raymond

PLAN, PROFILE, AND SECTIONS

EXHIBIT 11-139
MASON POND MODIFICATION DESIGN

DRAWING

SHEET 1 OF 1