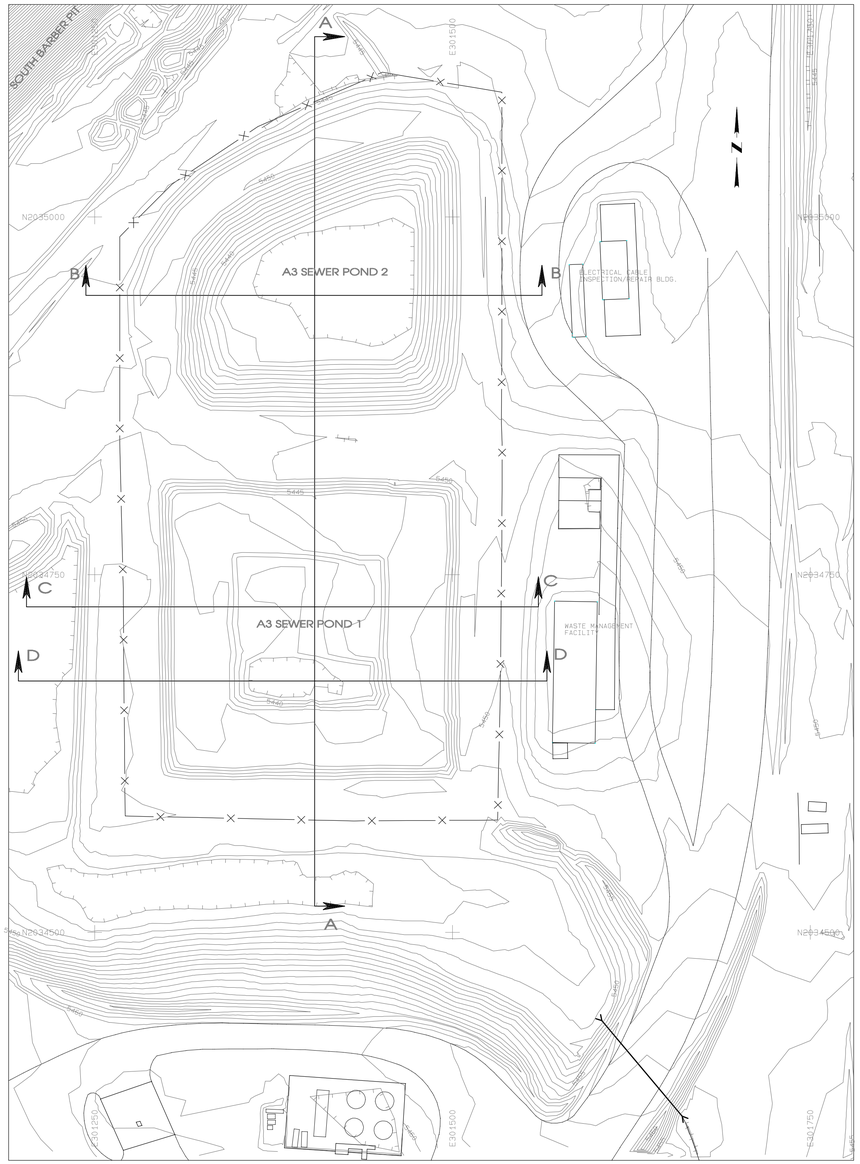
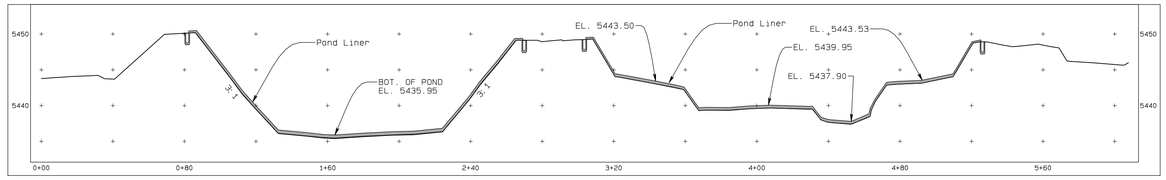
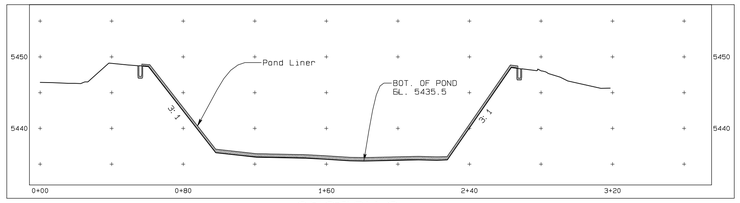


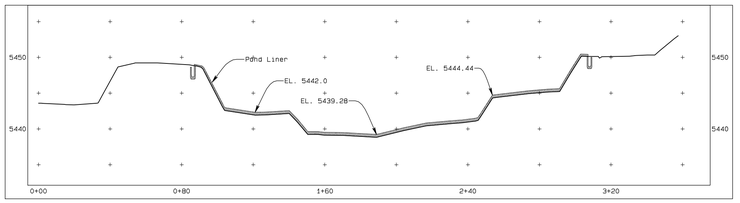
PLAN
1" = 50'



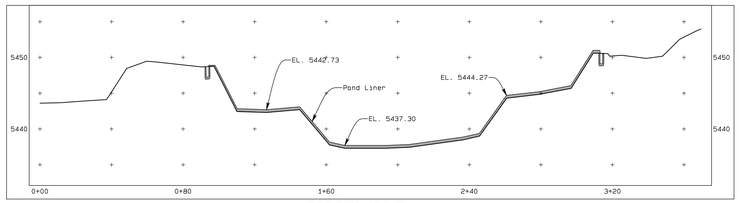
SECTION A



SECTION B



SECTION C

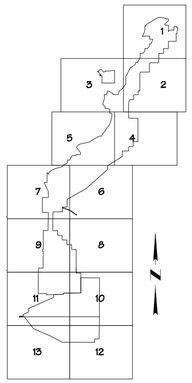


SECTION D

SECTION SCALE:
HORIZ. - 1" = 40'
VERT. - 1" = 10'

LEGEND

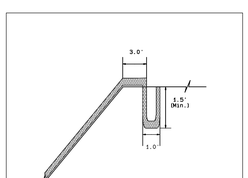
- ROAD
- BUILDING
- FENCE
- CULVERT
- DRAINAGE
- POWERLINE
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- PERMIT/LEASE BOUNDARY



SCALE AS NOTED

NOTES

1. FOR LOCATION OF DRAINAGE CONTROL STRUCTURES AND WATERSHEDS, REFER TO EXHIBIT 11-13D.
2. THE HYDROLOGY AND SUPPORTING DESIGN DATA FOR THE DRAINAGE CONTROL STRUCTURES ARE REFERENCED ON TABLE 11-5 OF THE NM PAP.



TYPICAL LINER ANCHOR
N.T.S.

A3 SEWER POND 1 STAGE STORAGE

ELEV	AREA (AC)	INC. VOL. (AC-FT)	ACCUM. VOL. (AC-FT)
5437.5			
5438.0	0.03	0.01	0.01
5438.5	0.05	0.02	0.03
5439.0	0.09	0.03	0.06
5439.5	0.14	0.05	0.12
5440.0	0.17	0.08	0.20
5440.5	0.19	0.09	0.29
5441.0	0.22	0.10	0.39
5441.5	0.25	0.12	0.51
5442.0	0.33	0.15	0.66
5442.5	0.42	0.19	0.85
5443.0	0.51	0.23	1.08
5443.5	0.60	0.28	1.36
5444.0	0.70	0.33	1.68
5444.5	0.76	0.37	2.05
5445.0	0.83	0.40	2.45
5445.5	0.88	0.43	2.87
5446.0	0.90	0.44	3.32
5446.5	0.92	0.45	3.77
5447.0	0.94	0.47	4.24
5447.5	0.96	0.48	4.71
5448.0 Crest			

A3 SEWER POND 2 STAGE STORAGE

ELEV	AREA (AC)	INC. VOL. (AC-FT)	ACCUM. VOL. (AC-FT)
5436.0	0.17	0.00	0.00
5437.0	0.28	0.23	0.23
5438.0	0.32	0.30	0.53
5439.0	0.36	0.34	0.87
5440.0	0.40	0.38	1.25
5441.0	0.44	0.42	1.66
5442.0	0.48	0.46	2.12
5443.0	0.52	0.50	2.62
5444.0	0.56	0.54	3.16
5445.0	0.60	0.58	3.73
5446.0	0.64	0.62	4.35
5447.0	0.68	0.66	5.02
5448.0	0.73	0.71	5.72

CERTIFICATION STATEMENT

I, LEONARD RAYMOND, HEREBY CERTIFY THAT THIS POND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED DESIGN PLANS AND THAT THE INFORMATION SHOWN IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE, EXCEPT AS NOTED BELOW:

1. THE BOTTOM OF THE A3 SEWER POND 2 IS APPROXIMATELY 1-FOOT LOWER THAN THE DESIGN.

LEONARD RAYMOND
NEW MEXICO
6600
REGISTERED PROFESSIONAL ENGINEER

REVISION	DATE
PREPARED DESIGN FOR A3 FACILITIES SEWER POND-2 AND SUBMITTAL TO OSM FOR REVIEW	Mar 09, 2010
UPDATED WITH AS-BUILT DAT FOR A3 SEWER POND-2 AND SUBMITTAL TO OSM FOR REVIEW	July 06, 2010
UPDATED WITH AS-BUILT DAT FOR A3 SEWER POND 1 AND SUBMITTED TO OSM FOR REVIEW	Nov. 26, 2010

PROJECT MANAGER: FERGUSON GORMAN
ENGR. of RECORD: LEONARD RAYMOND
REG. NO: NM 6600
SRVYR of RECORD:
REG. NO:

bhpbilliton
NAVAJO COAL COMPANY
NAVAJO MINE
PO BOX 1717, FRUITLAND, NEW MEXICO, 87416 PHONE 505-598-3305/FAX 505-598-3361

PROJECT: A3 FACILITIES SEWER POND 1 AND 2
DATE: MAR. 09, 2010
DESIGNED BY: L. RAYMOND
DRAWN BY: PJFOSTER
CHECKED BY: LR
APPROVED BY: LEONARD RAYMOND

PLAN, SECTIONS AND DETAILS

EHXIBIT 11-107
A3 SEWER POND 1 & 2
AS-BUILT

DRAWING
SHEET 1 OF 1

G:\GisDwnrs\ FLD\ A3\EXH 11-107_A3 Fac Sewer Pd\A-Asbuilt\Ab_Built Data_Nov-10\Exh 11-107_A3 Fac Sewer Ponds 1 & 2_Ab-Built.pro
Tue Nov 30 14:36:09 2010