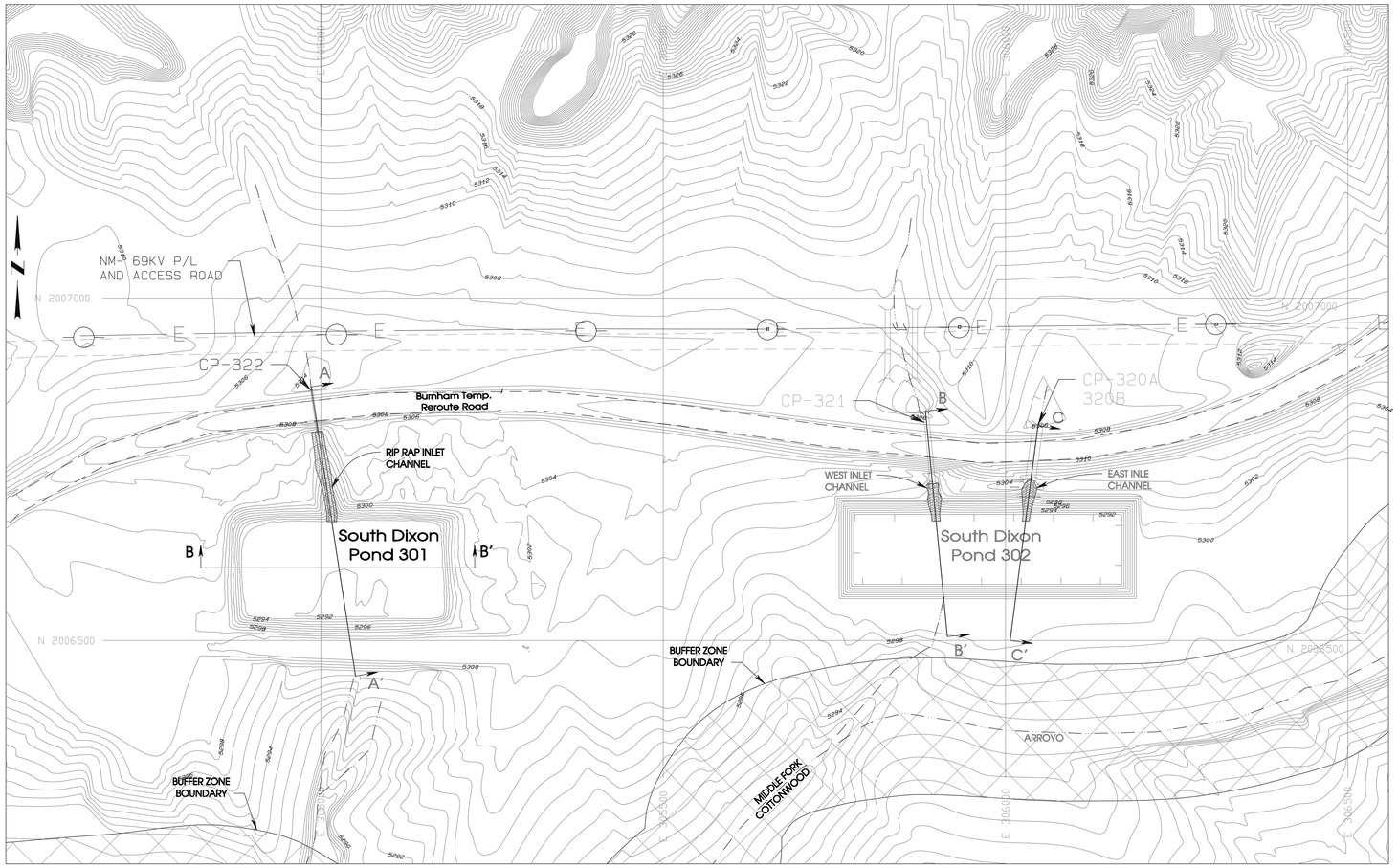


PLAN VIEW

SCALE: 1"=100'

SOUTH DIXON POND 301 STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5292	0.11	0.00	0.00
5293	0.94	0.53	0.53
5294	1.01	0.98	1.50
5295	1.08	1.05	2.55
5296	1.15	1.12	3.67
5297	1.23	1.19	4.86
5298	1.32	1.28	6.13
5299	1.44	1.38	7.52
5300	1.64	1.54	9.05

SOUTH DIXON POND-302 STAGE STORAGE DATA

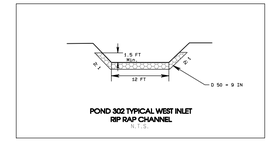
ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5292	0.92	0.0	0.0
5293	0.99	1.0	1.0
5294	1.06	1.0	2.0
5295	1.13	1.1	3.1
5296	1.20	1.2	4.2
5297	1.28	1.2	5.5
5298	1.35	1.3	6.8
5299	1.44	1.4	8.2
5300	1.52	1.5	9.7

LEGEND

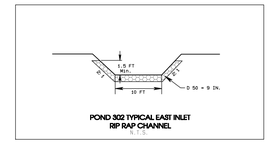
- ROAD
- TRAIL
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45 CONTROL
- LEASE
- LOCATION
- WATERSHED

NOTES

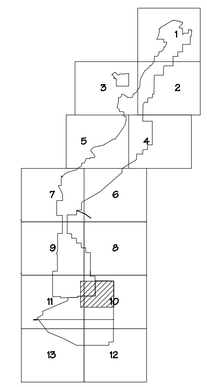
1. For hydrology and design information refer to Table 11-5 in the approved PAP.
2. The watershed areas for culverts are shown on Exhibit 11-13E.

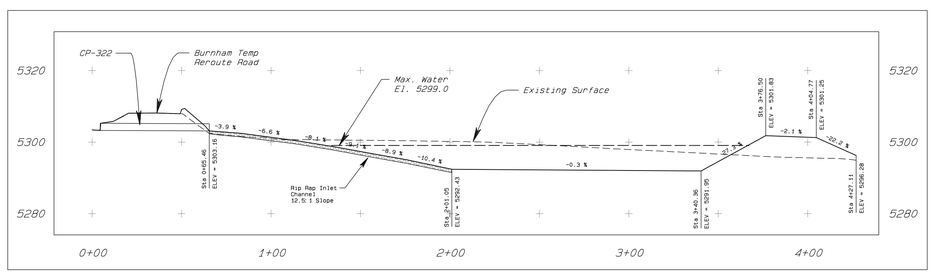


POND 302 TYPICAL WEST INLET
RIP RAP CHANNEL
N.T.S.

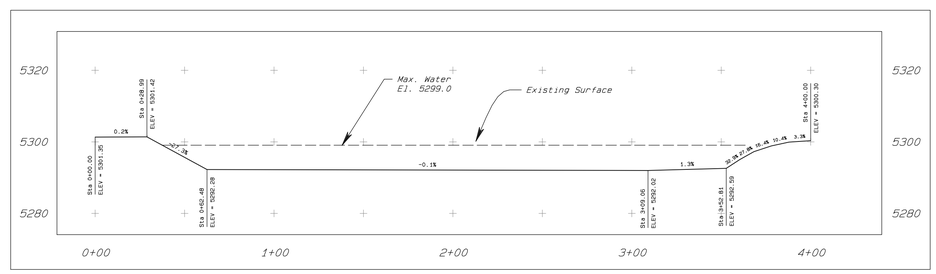


POND 302 TYPICAL EAST INLET
RIP RAP CHANNEL
N.T.S.

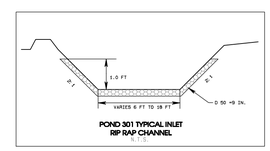




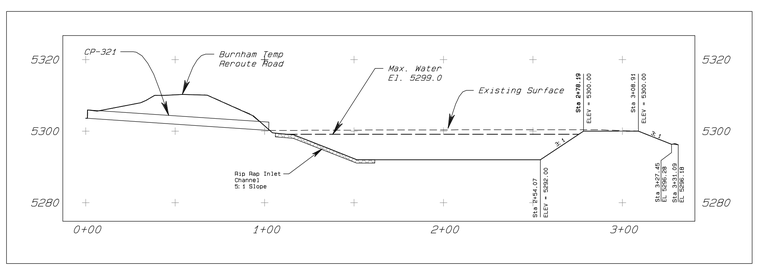
POND-301
PROFILE VIEW A-A'
SCALE: H 1"=40'
V 1"=20'



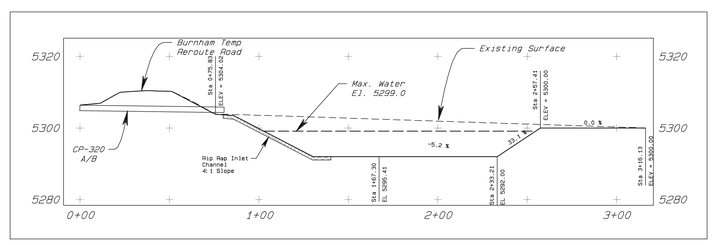
POND 301
PROFILE VIEW B-B'
SCALE: H 1"=40'
V 1"=20'



POND 301 TYPICAL INLET
RIP RAP CHANNEL
N.T.S.



PROFILE VIEW B-B'
SCALE: H 1"=40'
V 1"=20'



PROFILE VIEW C-C'
SCALE: H 1"=40'
V 1"=20'

CERTIFICATION STATEMENT

I, Leonard Raymond, hereby certify that this pond (Pond 301) 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.

LEONARD RAYMOND
NEW MEXICO
6600
REGISTERED PROFESSIONAL ENGINEER

1. Only the construction of Pond 301 has been completed to date. Pond 302 will be built at a later date. When the construction of Pond 302 is completed this drawing will be updated.
2. The bottom width of the inlet channel into Pond 301 varies from 6' to 18'. The riprap placed at the narrowest section and steepest slope will be stable for the 10 yr-6 hr strom event. The SEDCAD data in the PAP has been revised accordingly.

DATE	REVISION
7-30-10	1 PROPOSED POND DESIGN SUBMITTED
11-29-10	2 PROPOSED AS-BUILT FOR POND 301 AND SUBMITTED TO OSM FOR REVIEW
	3
	4

PROJECT MANAGER: F. GORMAN
ENGR. OF RECORD: RON VAN VALKENBURG
REG. NO: 9263
SRVYR OF RECORD:
REG. NO:

BHP-NAVAJO COAL CO.
PO BOX 155, FRUITLAND, NEW MEXICO, 87416

PROJECT: South Dixon Ponds-301/302
DATE: FEB. 2010
DESIGNED BY: FGorman
DRAWN BY: PJFoster
CHECKED BY: RGV
APPROVED BY: RGV

LOCATION MAP/
PLAN/PROFILE VIEW
AND SECTIONS

EXHIBIT 11-162
SOUTH DIXON
PONDS 301 (AS-BUILT) AND
302 (APPROVED DESIGN)

DRAWING

SHEET 1
OF 1

G:\Mb\Permit Ch 11\SDN 11-162_S Dx Pds 301-302\As-Built-Pg-301\Exh 11-162_S DX Ponds-301_As-Built.pm
Fri Nov 19 14:02:12 2010