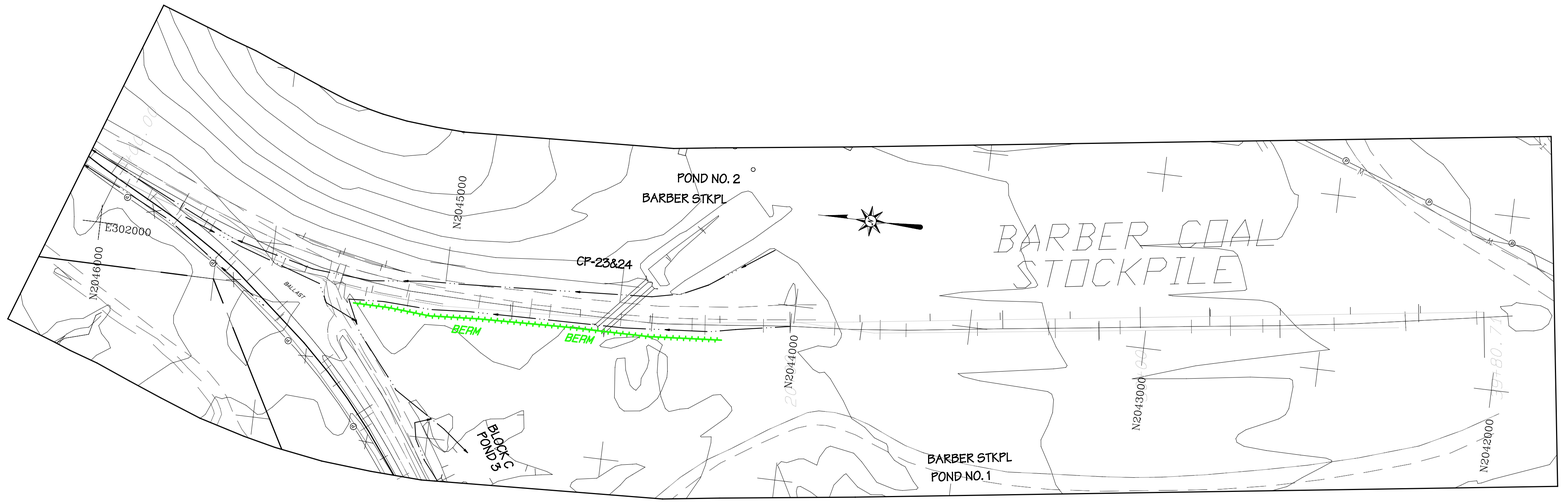
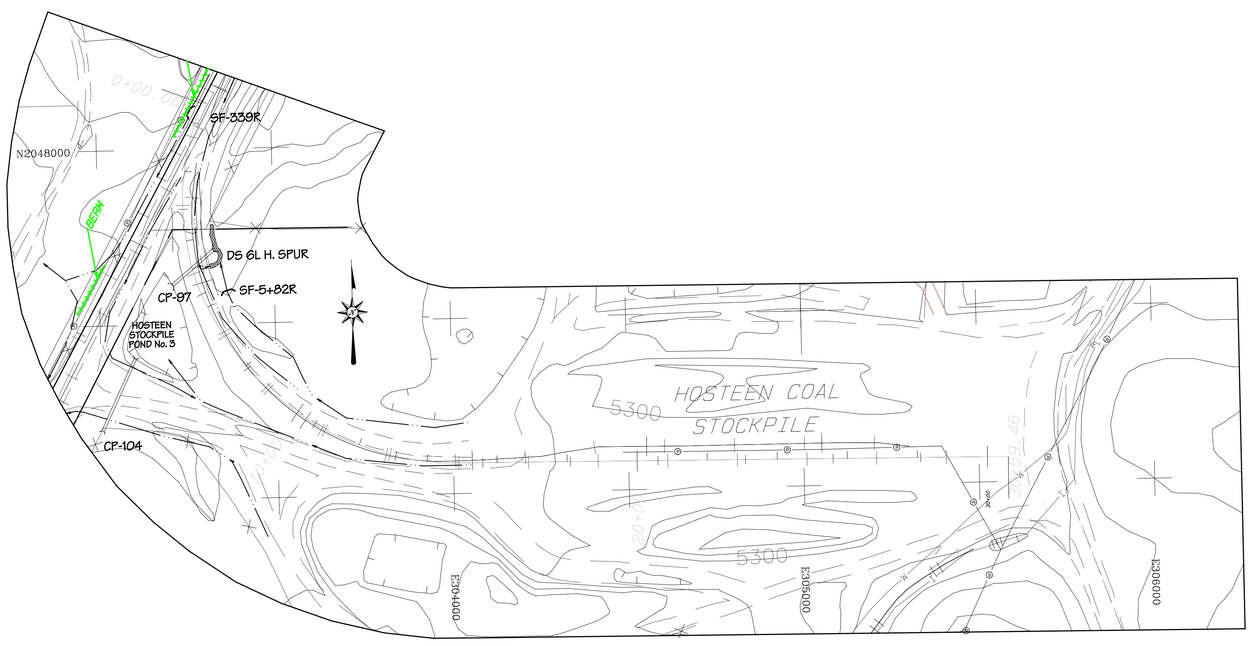


PLAN VIEW

Horiz. Scale: 1" =300'



LEGEND

- DOWNDRAIN PIPES WITH DESIGNATION
- CONSTRUCTURED FLOW PATH (SIDE DITCHES, BERM/DITCH COMBINATION CHANNELS, AND RELIEF DITCHES)
- BERMS
- DROP STRUCTURE WITH DESIGNATION
- CULVERT WITH DESIGNATION
- RAILROAD
- STRAW BALE STRUCTURE WITH DESIGNATION
- SILT FENCE STRUCTURE
- RIP-RAP STRUCTURE WITH DESIGNATION

NOTES :

1. FOR DESIGN DATA AND WATERSHED AREAS FOR DOWNDRAINS PIPES AND CULVERTS REFER TO APPENDIX 11-V AND EXHIBITS 11-12A THROUGH 11-12E, IN THE MINE PERMIT.
2. FOR DESIGNS DATA FOR DROP STRUCTURES AND DITCHES SEE APPENDIX 11-U IN THE MINE PERMIT.
3. REFER TO APPENDIX 11-AA AND EXHIBIT 11-41 THROUGH 11-44 FOR DRAINAGE PLANS AND DESIGNS AT BARBER AND HOSTEEN COAL STOCKPILES.

CERTIFICATION STATEMENT

I, Ron C. Van Valkenburg, hereby certify that the erosion and drainage control structures has been constructed in accordance with the approved design plans, except as noted below.

NOTES:

1. FOR DEVIATIONS FROM THE DESIGN REFER TO THE NOTES BENEATH THE CERTIFICATION STATEMENT AND THE NOTES ADDED TO THE SEDIMENT/DRAINAGE CONTROL STRUCTURE SCHEDULE ON EXHIBIT 11-14T.

RON C. VAN VALKENBURG
NEW MEXICO
9263
LICENSED PROFESSIONAL ENGINEER

REVISION	DATE
1 AS-BUILT	7-31-01
2 Added stakes and updated to GPS for Barber	12-14-05
3 Added ditches, updated and added stakes for Barber.	8-21-06
4	
5	

PROJECT MANAGER: COREY NELSON
ENGR. of RECORD: LEONARD RAYMOND
REG. NO: 6500
SRVYR of RECORD:
REG. NO:

BHP-NAVAJO COAL CO.

PO BOX 155, FRUITLAND, NEW MEXICO, 87416

ACCOUNT: .
DATE: JAN. 01, 2001
DESIGNED BY: PRATTE
DRAWN BY: PRATTE
CHECKED BY: LEONARD RAYMOND
APPROVED BY: LEONARD RAYMOND

PLAN VIEW

EXHIBIT 11-14R
NAVAJO MINE RAILROAD
EROSION AND DRAINAGE CONTROL STRUCTURES
AS-BUILT

DRAWING
P-7

SHEET 7
OF 7 0

Project Desc: RAIL ROAD REV Path: \\ENGWSRV4-SRV02\Data\Departments\Civil\SUBWORD_PROJ\N_11_RAP EXHIBITS\11-014H-RR SEDMT CNTL-DRAINE\-AS-BUILT_2000\EXH-11-14AH_Ex-Bulls-Qby-AB.pre Plot time: Fri Oct 24 14:28:18 2008