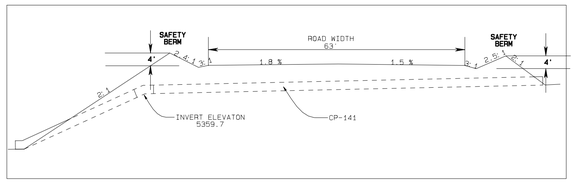
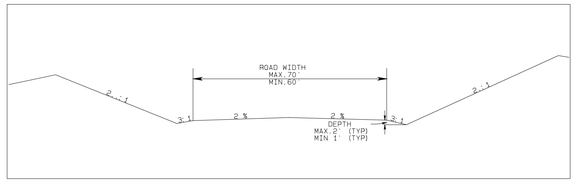
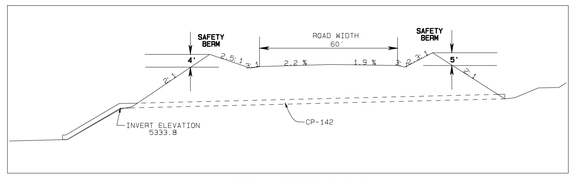


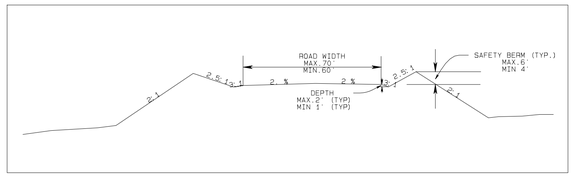
TYPICAL SECTION A-A



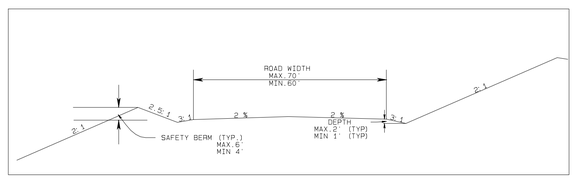
TYPICAL CUT SECTION



TYPICAL SECTION B-B

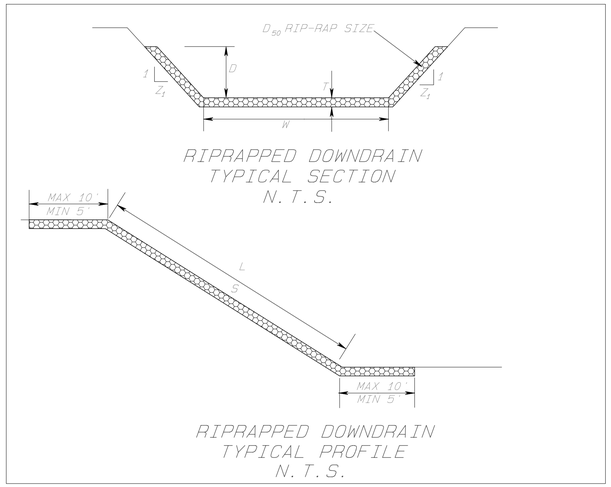


TYPICAL FILL SECTION



TYPICAL CUT/FILL SECTION

SECTIONS
N.T.S.



RIPRAPPED DOWNDRAIN

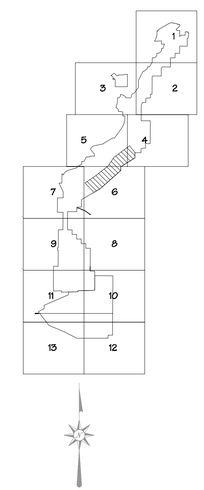
Station	W (ft.)	D (ft.)	Z 1	L (ft.)	S (%)	D50 SIZE (In.)	T (ft.)
5+37L	2-6	1-2	2: 1-3: 1	55	10-29	6	1.0
5+50R	2-5	0.5-2.5	2: 1-3: 1	68	18-49	6	1.0
64+20L	2-4	1-2	2: 1-3: 1	42	27-59	6	1.0
74+04L	3-7	0-1.5	2: 1-3: 1	32	12-29	6	1.0
74+43R	3-4	0.5-2	2: 1-3: 1	32	14-38	6	1.0
86+72R	2-3	0-1	2: 1-3: 1	27	7-28	6	1.0
88+60R	3-5	1-2	2: 1-3: 1	19	12-24	6	1.0

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
- RIPRAP DROP STRUCTURE

NOTES

1. For hydrology and design information refer to Appendix 11-V in the approved PAP.
2. Refer to Exhibit 11-12C and 11-12C-1 for culvert watershed information.



SCALE AS NOTED

CERTIFICATION STATEMENT

I, Leonard Raymond, hereby certify that this road 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.

Notes:

1. At Station 12+04 and 78+53 a single larger culvert was installed instead of the double culverts specified in the design. The single culverts are of sufficient size to pass the peak flow from the design storm.
2. The culverts at Station 52+62 and 57+12 were extended with downdrain pipes running down the embankment slope at the outlet ends.
3. The relief ditches for side road ditches were riprapped with D50 equal to 6-inch rock.

LEONARD RAYMOND
NEW MEXICO
6600
REGISTERED PROFESSIONAL ENGINEER

DATE	REVISION

AS-BUILT
1 2 3 4 5

PROJECT MANAGER: COREY NELSON
ENGR. of RECORD: LEONARD RAYMOND
REG. NO. 6600
SRVYR of RECORD:
REG. NO.

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

ACCOUNT: BHP-NAVAJO COAL CO. 2000
DATE: December 06, 2000
DESIGNED BY: BEN HOOKE
DRAWN BY: RAY YAZZIE
CHECKED BY: LR
APPROVED BY:

CROSS SECTION

EXHIBIT 11-141E
HOSTEEN/YAZZIE ROAD
AS-BUILT

DRAWING

SHEET 3 OF 3

PROJECT DESC: PATH: G:\departments\GDR_SUBMITTAL\PADOCS\11_PAP EXHIBITS\11-141-HOSTEEN-YAZZIE ROAD\HOSTEEN-YAZZIE ROAD\HOSTEEN-YAZZIE ROAD_AS-BUILT.dwg PLOT TIME: Wed May 16, 2012 11:56:56 AM