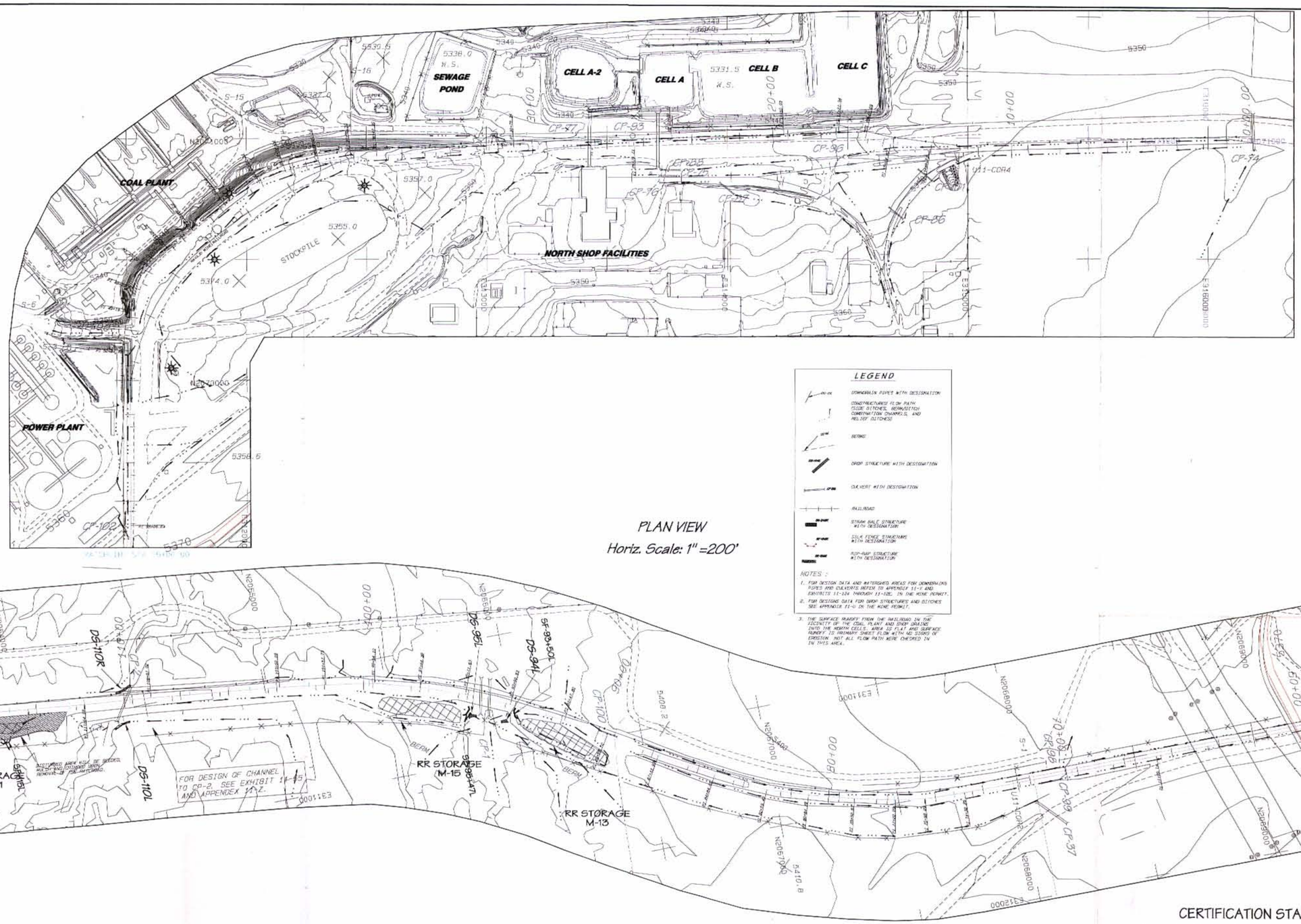

PLAN VIEW

Horiz. Scale: 1" =200'

LEGEND

- CONVERGAIN PIPES WITH DESIGNATION
- CONSTRUCTURES FLOW PATH FLOW DITCHES, INFILTRATION CONSTRUCTION CHANNELS, AND RELIEF DITCHES
- BERMS
- DROP STRUCTURE WITH DESIGNATION
- CULVERT WITH DESIGNATION
- RAILROAD
- STRAW BALE STRUCTURE WITH DESIGNATION
- SILK FENCE STRUCTURE WITH DESIGNATION
- RIP-RAP STRUCTURE WITH DESIGNATION

NOTES :

1. FOR DESIGN DATA AND WATERSHED AREAS FOR CONVERGAINS PIPES AND CULVERTS REFER TO APPENDIX 11-F AND EXHIBITS 11-12A THROUGH 11-12E, IN THE MINE PERMIT.
2. FOR DESIGNS DATA FOR DROP STRUCTURES AND DITCHES SEE APPENDIX 11-G IN THE MINE PERMIT.
3. THE SURFACE RUNOFF FROM THE RAILROAD IN THE VICINITY OF THE COAL PLANT AND SHOP DRAINS INTO THE NORTH CELLS. AREA IS FLAT AND SURFACE RUNOFF IS PRIMARY SHEET FLOW WITH NO SIGNS OF EROSION. NOT ALL FLOW PATH WERE CHECKED IN IN THIS AREA.

CERTIFICATION STATEMENT

I, Leonard Raymond, 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.

LEONARD RAYMOND NEW MEXICO 6660 REGISTERED PROFESSIONAL ENGINEER

1-6-04

PERMIT COPY
NM-0003-F

REVISION	DATE
1. AS-BUILT	1-6-04
2. ADDED SITE DRAINAGE AND UNDERPASS	12-2-02

PROJECT MANAGER: COREY NELSON
PREP. BY RECORD: L. RAYMOND
REG. NO: 6660
SURVEY BY RECORD:
REG. NO:

BHP-NAVAJO COAL CO.

PO BOX 1105, FRUITLAND, NEW MEXICO, 87416

ACCURAT:
DATE: JAN. 21, 2001
DESIGNED BY: RYAZZIC
DRAWN BY:
CHECKED BY: LEONARD RAYMOND
APPROVED BY: LEONARD RAYMOND

PLAN VIEW

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

DRAWING P-1

SHEET 1 OF 7

Plot Size:

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