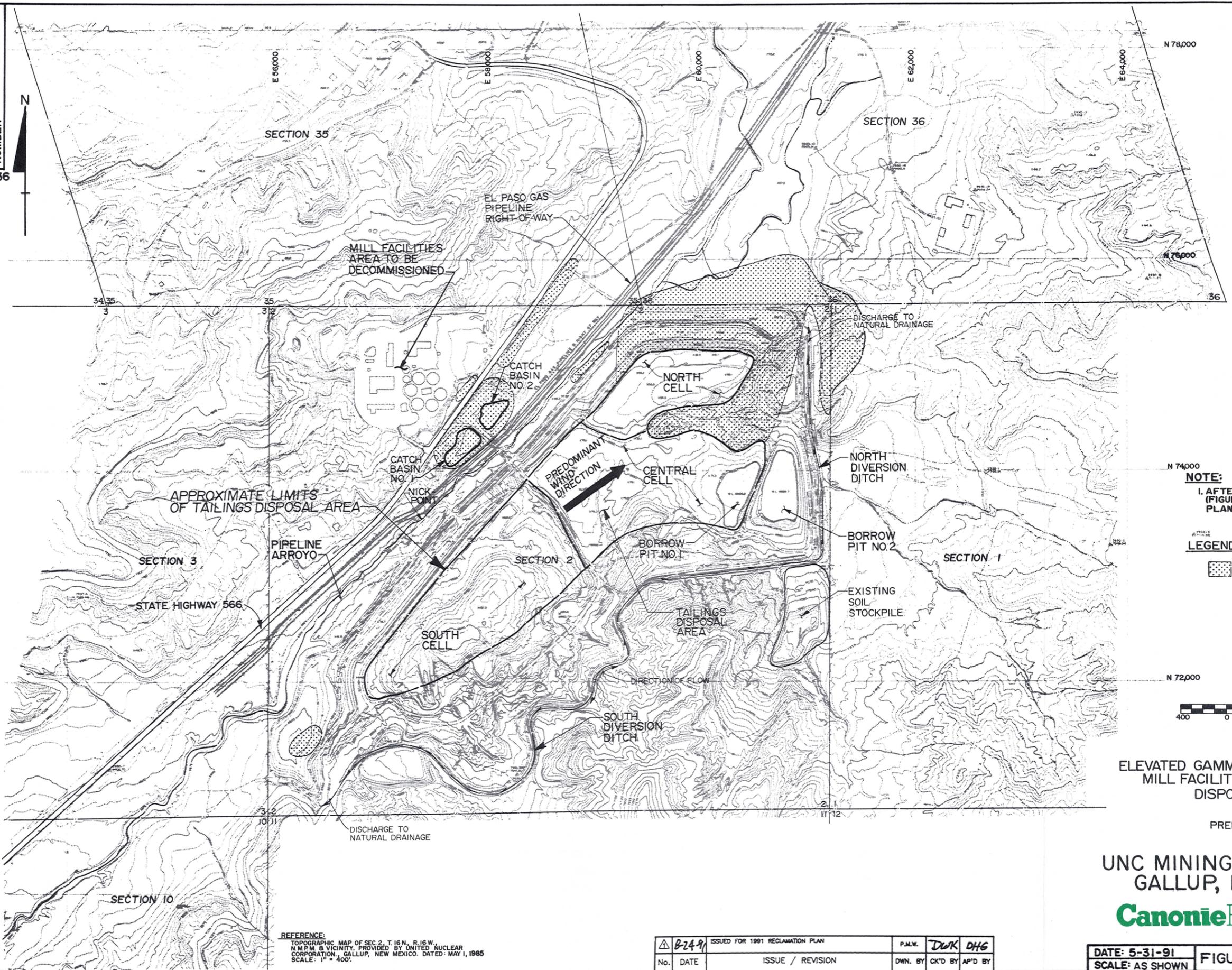
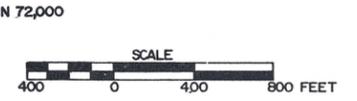


86-060-B636
DRAWING NUMBER 86-060-B541
B636



NOTE:
1. AFTER DRAWING No. RM86-060-E54 (FIGURE 2-4) IN THE 1987 RECLAMATION PLAN (CANONIE, 1987b).

LEGEND:
 APPROXIMATE EXTENT OF ELEVATED GAMMA RAY EXPOSURE RATES (≥23 μR/hr) OUTSIDE OF TAILINGS DISPOSAL AREA DUE TO BY-PRODUCT MATERIAL



ELEVATED GAMMA RAY EXPOSURE RATES
MILL FACILITIES AND TAILINGS
DISPOSAL AREA

PREPARED FOR

UNC MINING AND MILLING
GALLUP, NEW MEXICO

CanonieEnvironmental

REFERENCE:
TOPOGRAPHIC MAP OF SEC 2, T.16N., R.16W., N.M.P.M. & VICINITY, PROVIDED BY UNITED NUCLEAR CORPORATION, GALLUP, NEW MEXICO. DATED: MAY 1, 1985
SCALE: 1" = 400'

△	B-249	ISSUED FOR 1991 RECLAMATION PLAN	P.M.W.	DWK	DHG
No.	DATE	ISSUE / REVISION	OWN. BY	CK'D BY	AP'D BY

DATE: 5-31-91
SCALE: AS SHOWN
FIGURE 2-4
DRAWING NUMBER 86-060-B541

86-060-B636



- LEGEND:**
- TEST PITS**
 - 86RP-TP2 CANONIE RECLAMATION PLAN
 - BOREHOLES**
 - 86RP-PB CANONIE RECLAMATION PLAN
 - 74SHB-2 SHB JOB NO. E74-1072
 - 78SHB-12 SHB JOB NO. E78-1041
 - 78SHB-19 SHB JOB NO. E78-1096
 - MOISTURE-DENSITY TESTS**
 - 89NC-1 NORTH CELL INTERIM STABILIZATION
 - 90CC-1 CENTRAL CELL INTERIM STABILIZATION
 - SOIL SAMPLE LOCATION**
 - 89NC-12 APPROXIMATE INTERIM SOIL COVER SAMPLE LOCATION
 - 89SS-1 SOIL STOCKPILE SAMPLE

- NOTE:**
1. AFTER DRAWING No. RM86-060-E56 (FIGURE 4-1) IN THE 1987 RECLAMATION PLAN (CANONIE, 1987B).
 2. THIS DRAWING IDENTIFIES TESTING AND SAMPLING LOCATIONS WHICH WERE USED TO OBTAIN DATA FOR DEVELOPING THE RADON ATTENUATION SOIL COVER DESIGN PARAMETERS.



GEOTECHNICAL TEST AND
SAMPLE LOCATIONS
PREPARED FOR

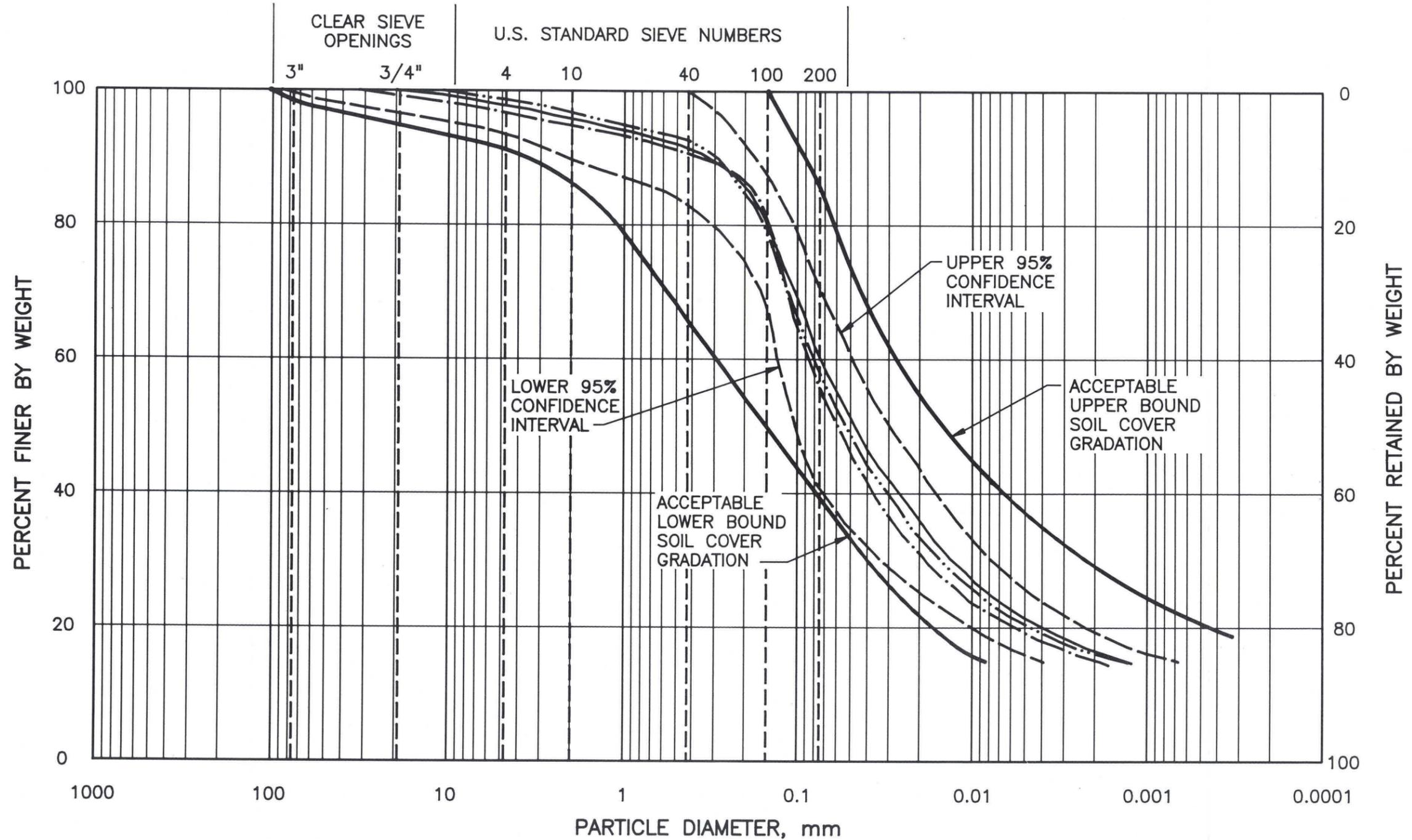
UNC MINING AND MILLING
GALLUP, NEW MEXICO

CanonieEnvironmental

8-24-91	ISSUED FOR 1991 RECLAMATION PLAN	P.M.W.	DWK	DHG	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY

REFERENCE:
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W,
N.M.P.M. AND VICINITY PROVIDED BY UNITED NUCLEAR
CORPORATION, GALLUP, NEW MEXICO.
DATED: 9-29-89. SCALE: 1"=200'.
PORTIONS REVISED USING PHOTOGRAPHY DATED: 8-18-90.

DATE:	8-7-91	FIGURE 3-1	DRAWING NUMBER
SCALE:	AS SHOWN	86-060-E450	86-060-E596



NOTES:

1. AVERAGES DERIVED FROM AVAILABLE FIELD AND LABORATORY TEST DATA TO DATE IN DESIGNATED BORROW AREAS.
2. AFTER DRAWING No. 86-060-B497 (FIGURE 1) IN THE MARCH 4, 1991 RESPONSE TO NRC COMMENTS.

LEGEND:

- AVERAGE PIPELINE ARROYO BORROW SOILS
- AVERAGE NORTH AND CENTRAL CELLS INTERIM COVER SOILS
- · - · - · AVERAGE EXISTING SOIL STOCKPILE SOILS

ACCEPTABLE SOIL COVER
GRAIN SIZE ENVELOPE

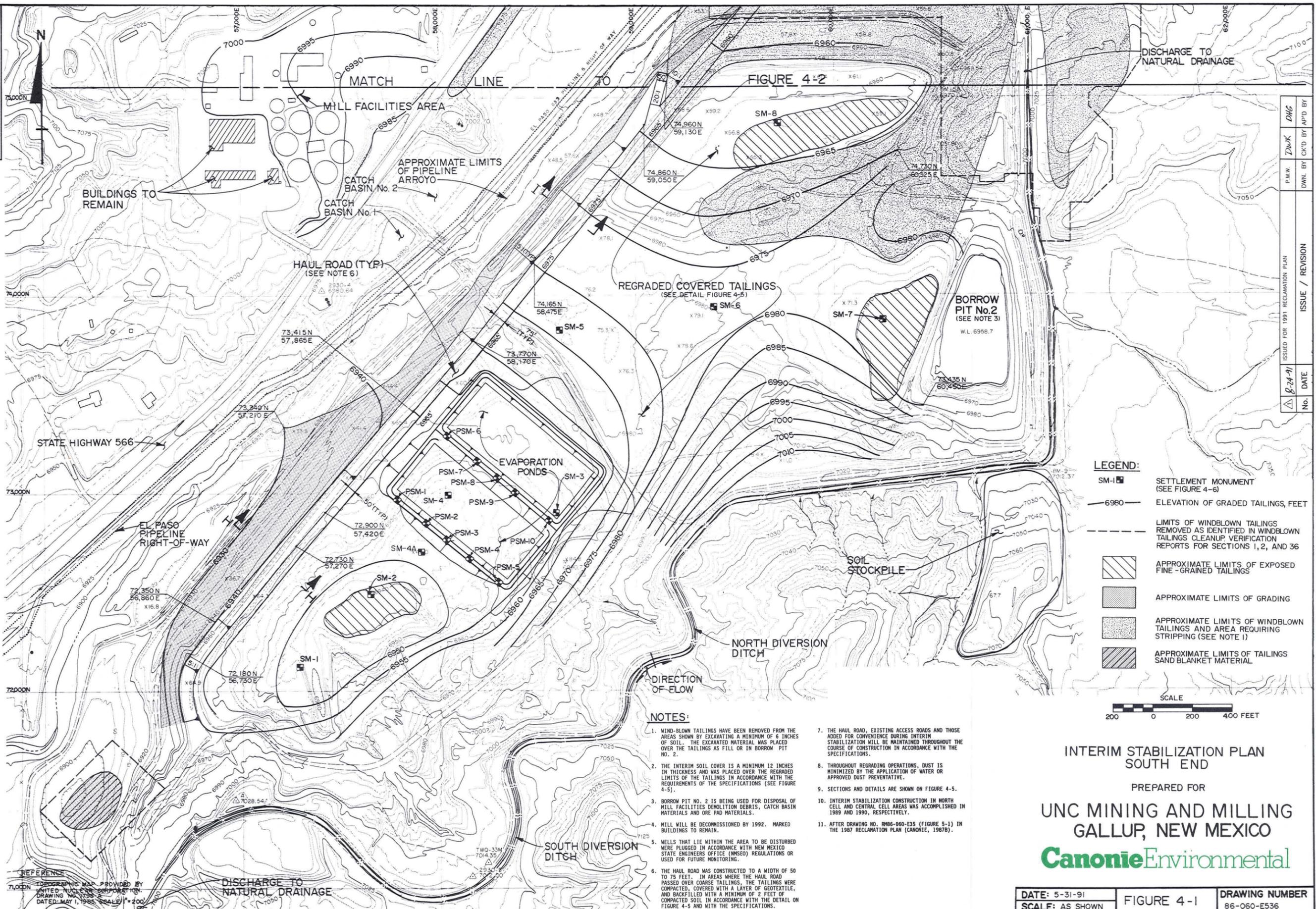
PREPARED FOR
UNC MINING AND MILLING
GALLUP, NEW MEXICO

CanonieEnvironmental

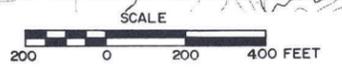
△	8-24-91	ISSUED FOR 1991 RECLAMATION PLAN	M.T.H.	DWK	DHG
No.	DATE	ISSUE / REVISION	OWN. BY	CK'D BY	AP'D BY

DATE: 5-24-91	FIGURE 3-2	DRAWING NUMBER 86-060-B603
SCALE: AS SHOWN		

DRAWING 86-060-E536
 NUMBER 86-060-E641



- LEGEND:**
- SM-1 [Symbol] SETTLEMENT MONUMENT (SEE FIGURE 4-6)
 - 6980— ELEVATION OF GRADED TAILINGS, FEET
 - - - - - LIMITS OF WINDBLOWN TAILINGS REMOVED AS IDENTIFIED IN WINDBLOWN TAILINGS CLEANUP VERIFICATION REPORTS FOR SECTIONS 1, 2, AND 36
 - [Symbol] APPROXIMATE LIMITS OF EXPOSED FINE-GRAINED TAILINGS
 - [Symbol] APPROXIMATE LIMITS OF GRADING
 - [Symbol] APPROXIMATE LIMITS OF WINDBLOWN TAILINGS AND AREA REQUIRING STRIPPING (SEE NOTE 1)
 - [Symbol] APPROXIMATE LIMITS OF TAILINGS SAND BLANKET MATERIAL



NOTES:

1. WIND-BLOWN TAILINGS HAVE BEEN REMOVED FROM THE AREAS SHOWN BY EXCAVATING A MINIMUM OF 6 INCHES OF SOIL. THE EXCAVATED MATERIAL WAS PLACED OVER THE TAILINGS AS FILL OR IN BORROW PIT NO. 2.
2. THE INTERIM SOIL COVER IS A MINIMUM 12 INCHES IN THICKNESS AND WAS PLACED OVER THE REGRADED LIMITS OF THE TAILINGS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS (SEE FIGURE 4-5).
3. BORROW PIT NO. 2 IS BEING USED FOR DISPOSAL OF MILL FACILITIES DEMOLITION DEBRIS, CATCH BASIN MATERIALS AND ORE PAD MATERIALS.
4. MILL WILL BE DECOMMISSIONED BY 1992. MARKED BUILDINGS TO REMAIN.
5. WELLS THAT LIE WITHIN THE AREA TO BE DISTURBED WERE PLUGGED IN ACCORDANCE WITH NEW MEXICO STATE ENGINEERS OFFICE (NMSEO) REGULATIONS OR USED FOR FUTURE MONITORING.
6. THE HAUL ROAD WAS CONSTRUCTED TO A WIDTH OF 50 TO 75 FEET. IN AREAS WHERE THE HAUL ROAD PASSED OVER COARSE TAILINGS, THE TAILINGS WERE COMPACTED, COVERED WITH A LAYER OF GEOTEXTILE, AND BACKFILLED WITH A MINIMUM OF 2 FEET OF COMPACTED SOIL IN ACCORDANCE WITH THE DETAIL ON FIGURE 4-5 AND WITH THE SPECIFICATIONS.
7. THE HAUL ROAD, EXISTING ACCESS ROADS AND THOSE ADDED FOR CONVENIENCE DURING INTERIM STABILIZATION WILL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATIONS.
8. THROUGHOUT REGRADED OPERATIONS, DUST IS MINIMIZED BY THE APPLICATION OF WATER OR APPROVED DUST PREVENTATIVE.
9. SECTIONS AND DETAILS ARE SHOWN ON FIGURE 4-5.
10. INTERIM STABILIZATION CONSTRUCTION IN NORTH CELL AND CENTRAL CELL AREAS WAS ACCOMPLISHED IN 1989 AND 1990, RESPECTIVELY.
11. AFTER DRAWING NO. RMB6-060-E35 (FIGURE 5-1) IN THE 1987 RECLAMATION PLAN (CANONIE, 1987B).

INTERIM STABILIZATION PLAN
 SOUTH END

PREPARED FOR

UNC MINING AND MILLING
 GALLUP, NEW MEXICO

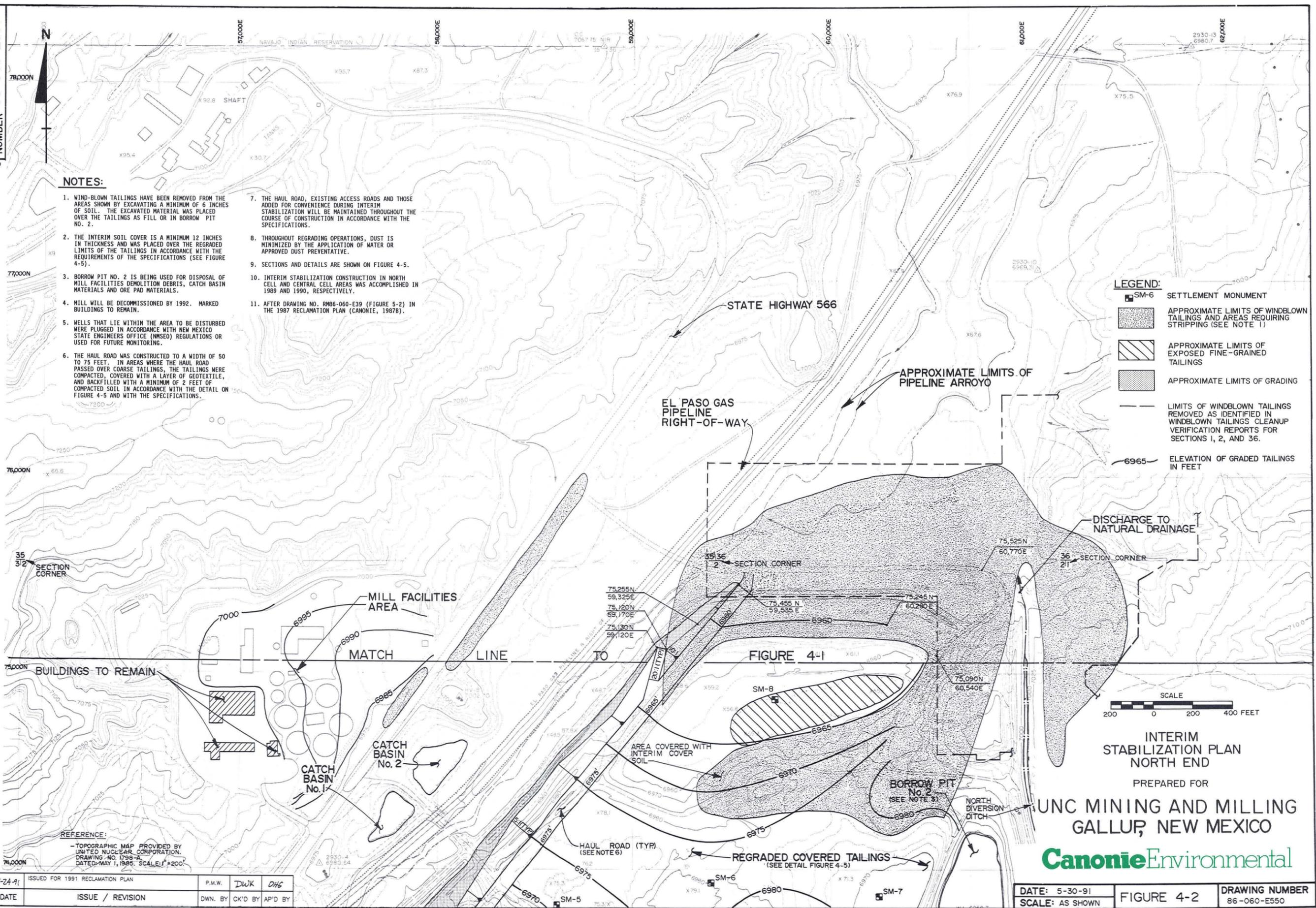
CanonieEnvironmental

DATE: 5-31-91	FIGURE 4-1	DRAWING NUMBER
SCALE: AS SHOWN		86-060-E536

ISSUED FOR 1991 RECLAMATION PLAN	ISSUE / REVISION
8-24-91	
No.	DATE
P.M.W.	DWN. BY
DWG	CK'D BY
	AP'D BY

REFERENCE
 TOPOGRAPHIC MAP PROVIDED BY
 UNITED NUCLEAR CORPORATION
 DRAWING NO. 39-2
 DATED MAY 1, 1985 SCALE 1" = 200'

86-060-E550
DRAWING NUMBER
E640



NOTES:

1. WIND-BLOWN TAILINGS HAVE BEEN REMOVED FROM THE AREAS SHOWN BY EXCAVATING A MINIMUM OF 6 INCHES OF SOIL. THE EXCAVATED MATERIAL WAS PLACED OVER THE TAILINGS AS FILL OR IN BORROW PIT NO. 2.
2. THE INTERIM SOIL COVER IS A MINIMUM 12 INCHES IN THICKNESS AND WAS PLACED OVER THE REGRADED LIMITS OF THE TAILINGS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS (SEE FIGURE 4-5).
3. BORROW PIT NO. 2 IS BEING USED FOR DISPOSAL OF MILL FACILITIES DEMOLITION DEBRIS, CATCH BASIN MATERIALS AND ORE PAD MATERIALS.
4. MILL WILL BE DECOMMISSIONED BY 1992. MARKED BUILDINGS TO REMAIN.
5. WELLS THAT LIE WITHIN THE AREA TO BE DISTURBED WERE PLUGGED IN ACCORDANCE WITH NEW MEXICO STATE ENGINEERS OFFICE (NMSEO) REGULATIONS OR USED FOR FUTURE MONITORING.
6. THE HAUL ROAD WAS CONSTRUCTED TO A WIDTH OF 50 TO 75 FEET. IN AREAS WHERE THE HAUL ROAD PASSED OVER COARSE TAILINGS, THE TAILINGS WERE COMPACTED, COVERED WITH A LAYER OF GEOTEXTILE, AND BACKFILLED WITH A MINIMUM OF 2 FEET OF COMPACTED SOIL IN ACCORDANCE WITH THE DETAIL ON FIGURE 4-5 AND WITH THE SPECIFICATIONS.
7. THE HAUL ROAD, EXISTING ACCESS ROADS AND THOSE ADDED FOR CONVENIENCE DURING INTERIM STABILIZATION WILL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATIONS.
8. THROUGHOUT REGRADING OPERATIONS, DUST IS MINIMIZED BY THE APPLICATION OF WATER OR APPROVED DUST PREVENTATIVE.
9. SECTIONS AND DETAILS ARE SHOWN ON FIGURE 4-5.
10. INTERIM STABILIZATION CONSTRUCTION IN NORTH CELL AND CENTRAL CELL AREAS WAS ACCOMPLISHED IN 1989 AND 1990, RESPECTIVELY.
11. AFTER DRAWING NO. RMB6-060-E39 (FIGURE 5-2) IN THE 1987 RECLAMATION PLAN (CANONIE, 1987B).

LEGEND:

- SM-6 SETTLEMENT MONUMENT
- APPROXIMATE LIMITS OF WINDBLOWN TAILINGS AND AREAS REQUIRING STRIPPING (SEE NOTE 1)
- APPROXIMATE LIMITS OF EXPOSED FINE-GRAINED TAILINGS
- APPROXIMATE LIMITS OF GRADING
- LIMITS OF WINDBLOWN TAILINGS REMOVED AS IDENTIFIED IN WINDBLOWN TAILINGS CLEANUP VERIFICATION REPORTS FOR SECTIONS 1, 2, AND 36.
- ELEVATION OF GRADED TAILINGS IN FEET

REFERENCE:
- TOPOGRAPHIC MAP PROVIDED BY UNITED NUCLEAR CORPORATION, DRAWING NO. 1738-A, DATED MAY 1, 1985, SCALE 1" = 200'

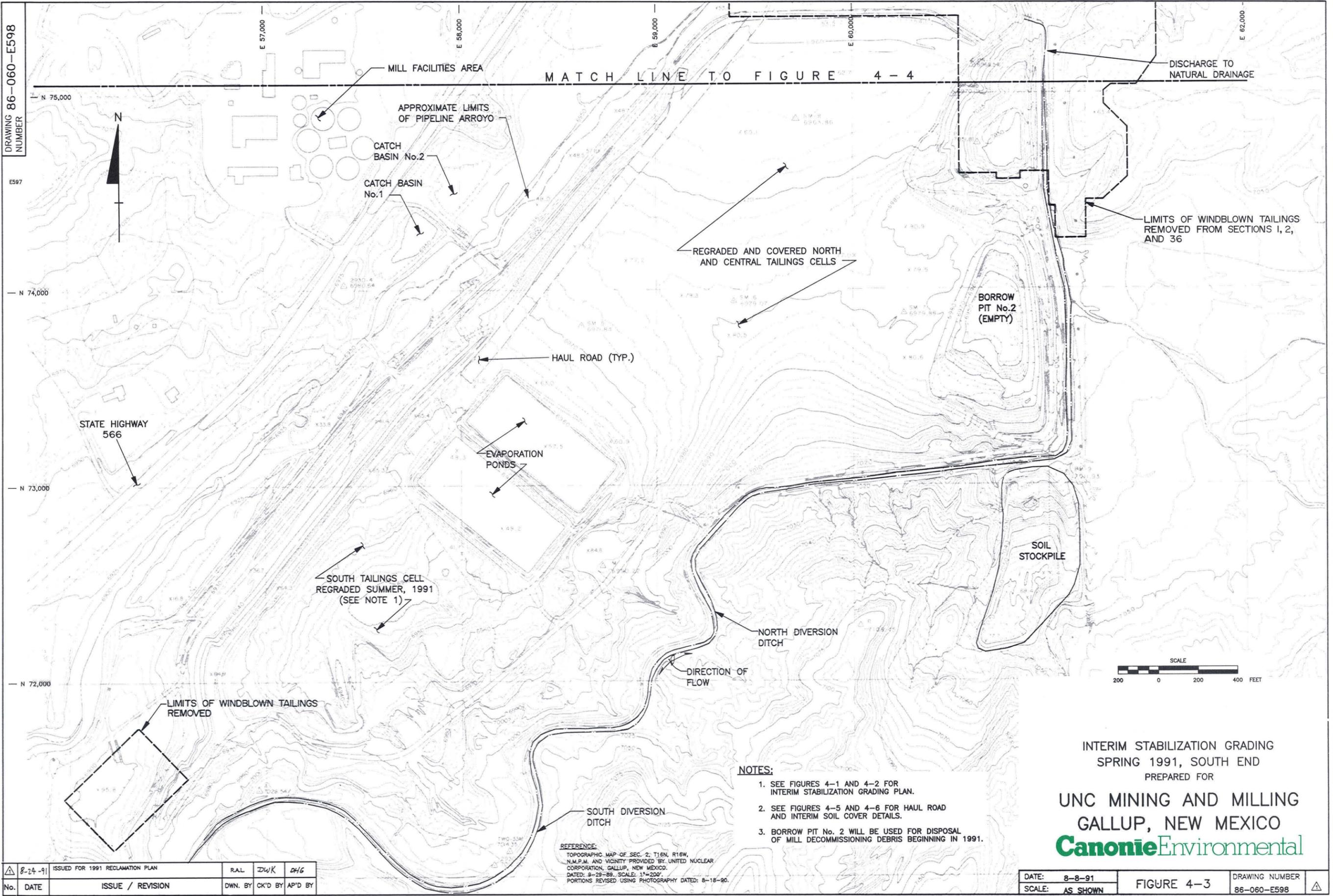
8-24-91	ISSUED FOR 1991 RECLAMATION PLAN	P.M.W.	DWK	DHC	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY

DATE: 5-30-91	FIGURE 4-2	DRAWING NUMBER: 86-060-E550
SCALE: AS SHOWN		

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INTERIM STABILIZATION PLAN
NORTH END
PREPARED FOR
UNC MINING AND MILLING
GALLUP, NEW MEXICO

86-060-E597
DRAWING 86-060-E598
NUMBER



8-24-91	ISSUED FOR 1991 RECLAMATION PLAN	RAL	DWK	DHG	
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY

REFERENCE:
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W,
N.M.P.M. AND VICINITY PROVIDED BY UNITED NUCLEAR
CORPORATION, GALLUP, NEW MEXICO.
DATED: 9-29-89. SCALE: 1"=200'.
PORTIONS REVISED USING PHOTOGRAPHY DATED: 8-18-90.

- NOTES:**
- SEE FIGURES 4-1 AND 4-2 FOR INTERIM STABILIZATION GRADING PLAN.
 - SEE FIGURES 4-5 AND 4-6 FOR HAUL ROAD AND INTERIM SOIL COVER DETAILS.
 - BORROW PIT No. 2 WILL BE USED FOR DISPOSAL OF MILL DECOMMISSIONING DEBRIS BEGINNING IN 1991.

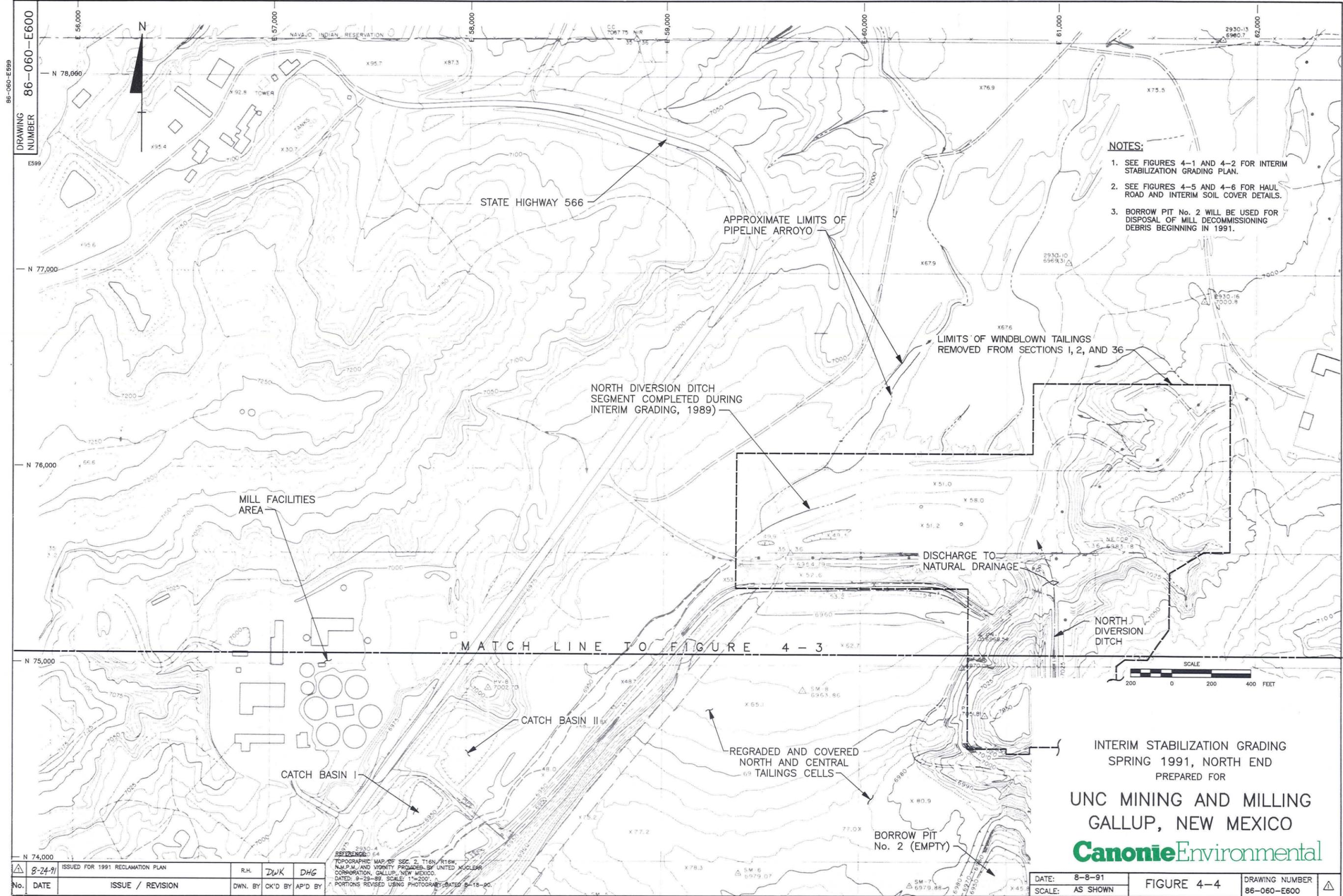
INTERIM STABILIZATION GRADING
SPRING 1991, SOUTH END
PREPARED FOR

**UNC MINING AND MILLING
GALLUP, NEW MEXICO**

CanonieEnvironmental

DATE: 8-8-91	FIGURE 4-3	DRAWING NUMBER
SCALE: AS SHOWN		86-060-E598

86-060-E597



- NOTES:**
1. SEE FIGURES 4-1 AND 4-2 FOR INTERIM STABILIZATION GRADING PLAN.
 2. SEE FIGURES 4-5 AND 4-6 FOR HAUL ROAD AND INTERIM SOIL COVER DETAILS.
 3. BORROW PIT No. 2 WILL BE USED FOR DISPOSAL OF MILL DECOMMISSIONING DEBRIS BEGINNING IN 1991.

INTERIM STABILIZATION GRADING
 SPRING 1991, NORTH END
 PREPARED FOR
UNC MINING AND MILLING
GALLUP, NEW MEXICO
CanonieEnvironmental

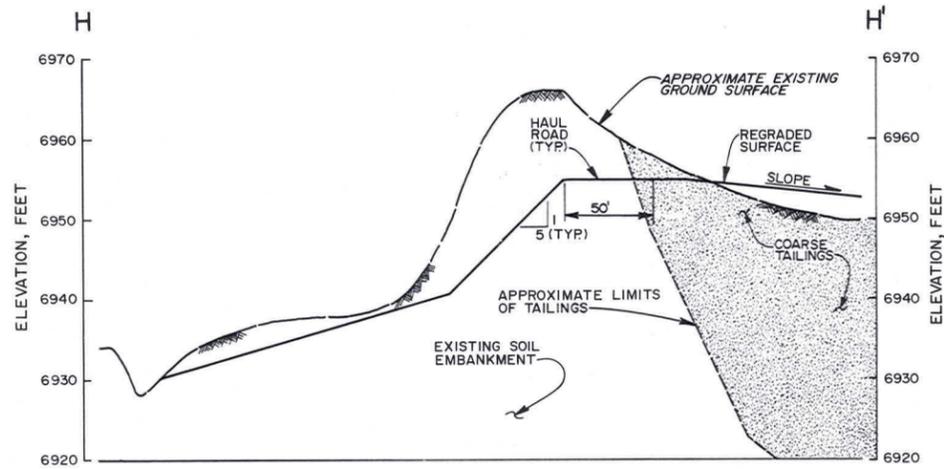
DRAWING NUMBER 86-060-E600

NO.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
1	8-24-91	ISSUED FOR 1991 RECLAMATION PLAN	R.H.	DWK	DHG

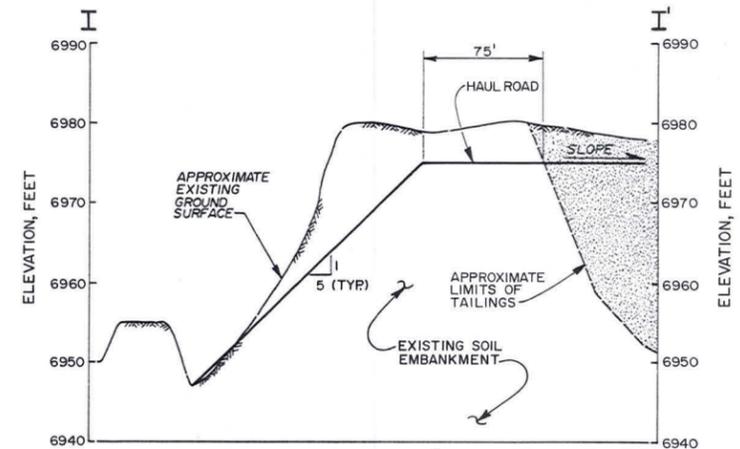
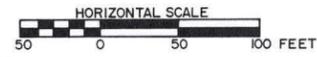
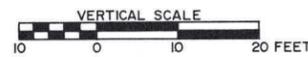
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W,
 N.M.P.M. AND VICINITY PROVIDED BY UNITED NUCLEAR
 CORPORATION, GALLUP, NEW MEXICO.
 DATED: 9-29-89. SCALE: 1"=200'.
 PORTIONS REVISED USING PHOTOGRAPHY DATED 8-18-80.

DATE:	8-8-91	FIGURE 4-4	DRAWING NUMBER	86-060-E600
SCALE:	AS SHOWN			

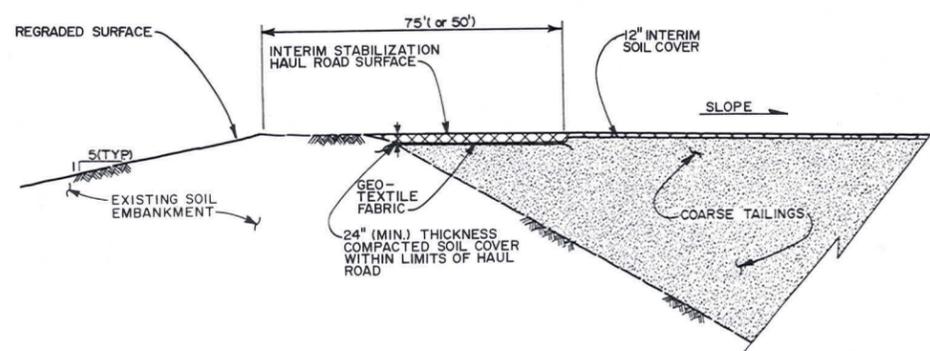
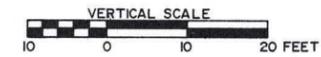
86-060-E599



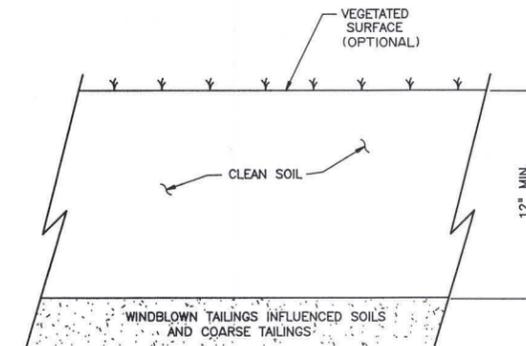
SECTION H-H'
HAUL ROAD



SECTION I-I'
HAUL ROAD



HAUL ROAD (TYP)



INTERIM STABILIZATION
SOIL COVER
NOT TO SCALE

NOTES:

1. PLAN LOCATION OF SECTIONS SHOWN ON FIGURE 4-1.
2. AFTER DRAWING No. RM86-060-E46 (FIGURE 5-3) IN THE 1987 RECLAMATION PLAN (CANONIE 1987b).

INTERIM STABILIZATION
DETAIL SHEET
PREPARED FOR

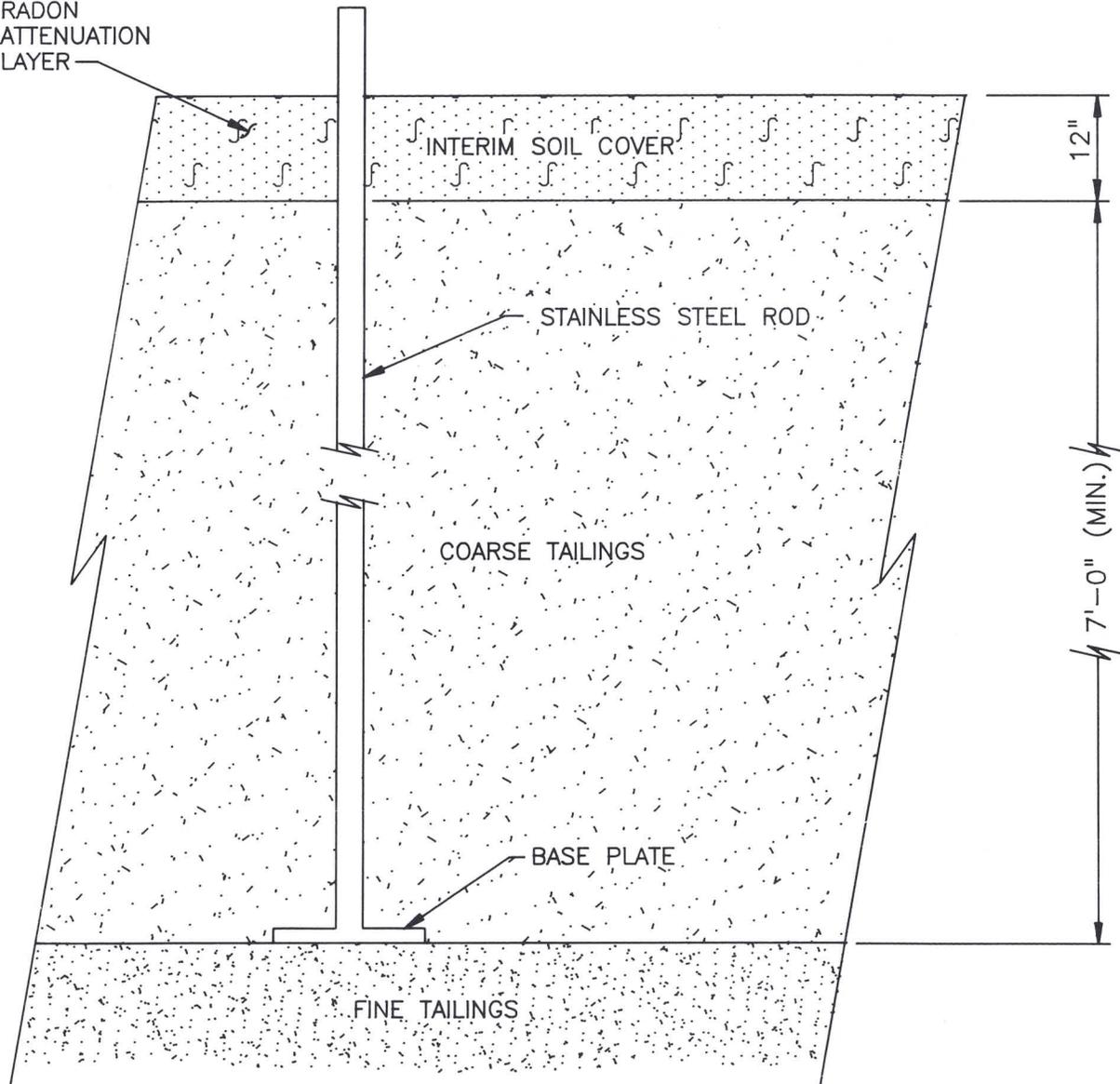
UNC MINING AND MILLING
GALLUP, NEW MEXICO
Canonie Environmental

△	B-24-91	ISSUED FOR 1991 RECLAMATION PLAN	B.K.R.	DWK	DHG
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY

DATE:	6-11-91	FIGURE 4-5	DRAWING NUMBER	86-060-E570
SCALE:	AS SHOWN			

DRAWING NUMBER 86-060-A615

RADON ATTENUATION LAYER



NOTES:

1. THIS DRAWING IS NOT TO SCALE.
2. RADON ATTENUATION SOIL COVER DESIGN IS DESCRIBED IN SECTION 5.0.
3. PLAN LOCATIONS OF MONUMENTS ARE SHOWN ON FIGURES 4-1 AND 4-2.
4. AFTER DRAWING No. 86-060-A496 (FIGURE 2) IN THE MARCH 4, 1991 RESPONSE TO NRC COMMENTS.

SETTLEMENT MONUMENT DETAIL

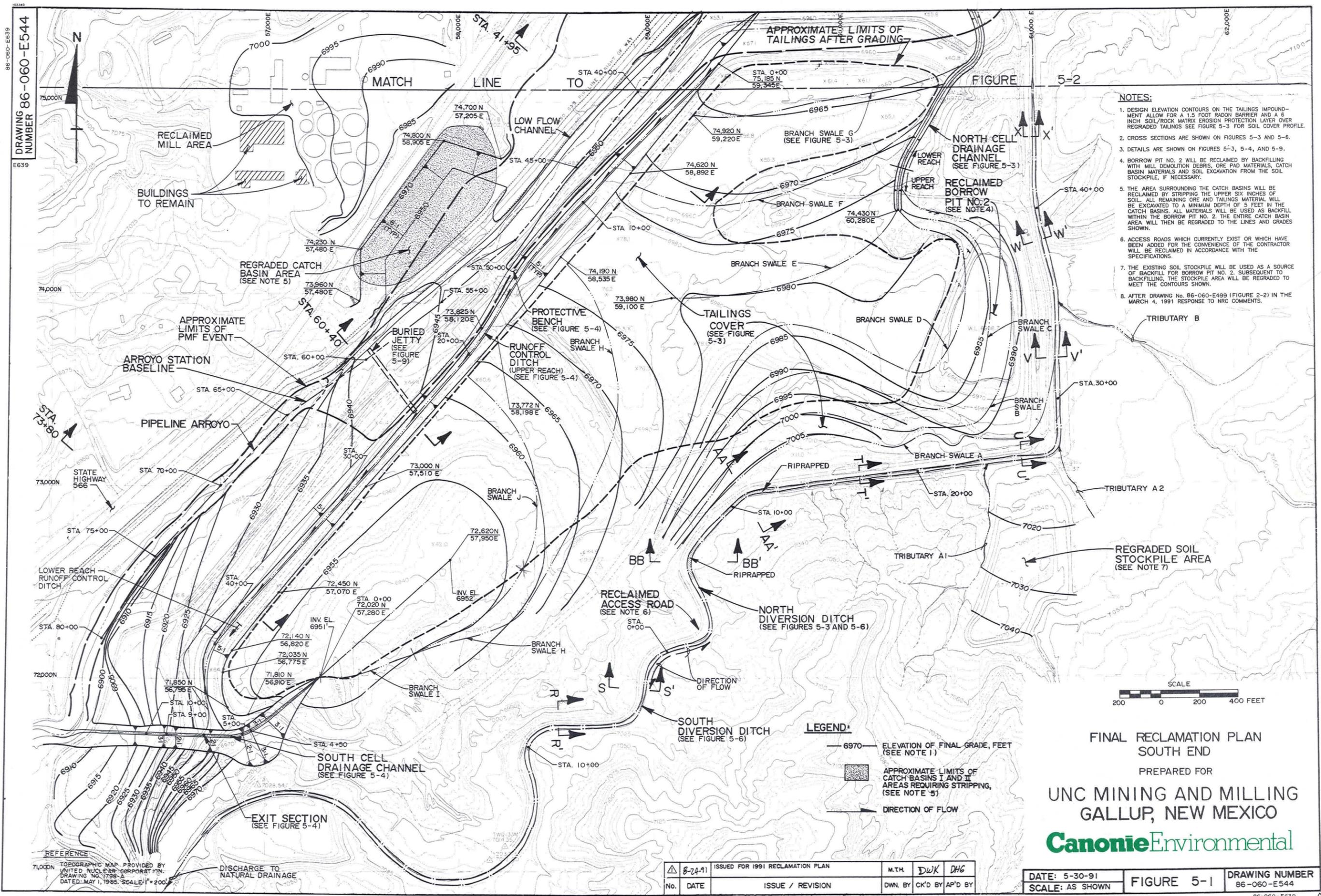
PREPARED FOR

UNC MINING AND MILLING
GALLUP, NEW MEXICO

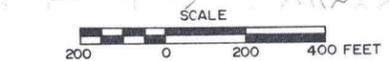
CanonieEnvironmental

△	B-2A-91	ISSUED FOR 1991 RECLAMATION PLAN	P.M.W.	DWK	DHG		
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY	DATE: 5-24-91	DRAWING NUMBER 86-060-A615
						SCALE: N.T.S.	FIGURE 4-6

DRAWING NUMBER 86-060-E544
E639



- NOTES:**
1. DESIGN ELEVATION CONTOURS ON THE TAILINGS IMPOUNDMENT ALLOW FOR A 1.5 FOOT RADON BARRIER AND A 6 INCH SOIL/ROCK MATRIX EROSION PROTECTION LAYER OVER REGRADED TAILINGS SEE FIGURE 5-3 FOR SOIL COVER PROFILE.
 2. CROSS SECTIONS ARE SHOWN ON FIGURES 5-3 AND 5-6.
 3. DETAILS ARE SHOWN ON FIGURES 5-3, 5-4, AND 5-9.
 4. BORROW PIT NO. 2 WILL BE RECLAIMED BY BACKFILLING WITH MILL DEMOLITION DEBRIS, ORE PAD MATERIALS, CATCH BASIN MATERIALS AND SOIL EXCAVATION FROM THE SOIL STOCKPILE, IF NECESSARY.
 5. THE AREA SURROUNDING THE CATCH BASINS WILL BE RECLAIMED BY STRIPPING THE UPPER SIX INCHES OF SOIL. ALL REMAINING ORE AND TAILINGS MATERIAL WILL BE EXCAVATED TO A MINIMUM DEPTH OF 5 FEET IN THE CATCH BASINS. ALL MATERIALS WILL BE USED AS BACKFILL WITHIN THE BORROW PIT NO. 2. THE ENTIRE CATCH BASIN AREA WILL THEN BE REGRADED TO THE LINES AND GRADES SHOWN.
 6. ACCESS ROADS WHICH CURRENTLY EXIST OR WHICH HAVE BEEN ADDED FOR THE CONVENIENCE OF THE CONTRACTOR WILL BE RECLAIMED IN ACCORDANCE WITH THE SPECIFICATIONS.
 7. THE EXISTING SOIL STOCKPILE WILL BE USED AS A SOURCE OF BACKFILL FOR BORROW PIT NO. 2. SUBSEQUENT TO BACKFILLING, THE STOCKPILE AREA WILL BE REGRADED TO MEET THE CONTOURS SHOWN.
 8. AFTER DRAWING No. 86-060-E499 (FIGURE 2-2) IN THE MARCH 4, 1991 RESPONSE TO NRC COMMENTS.



FINAL RECLAMATION PLAN
SOUTH END
PREPARED FOR
UNC MINING AND MILLING
GALLUP, NEW MEXICO

CanonieEnvironmental

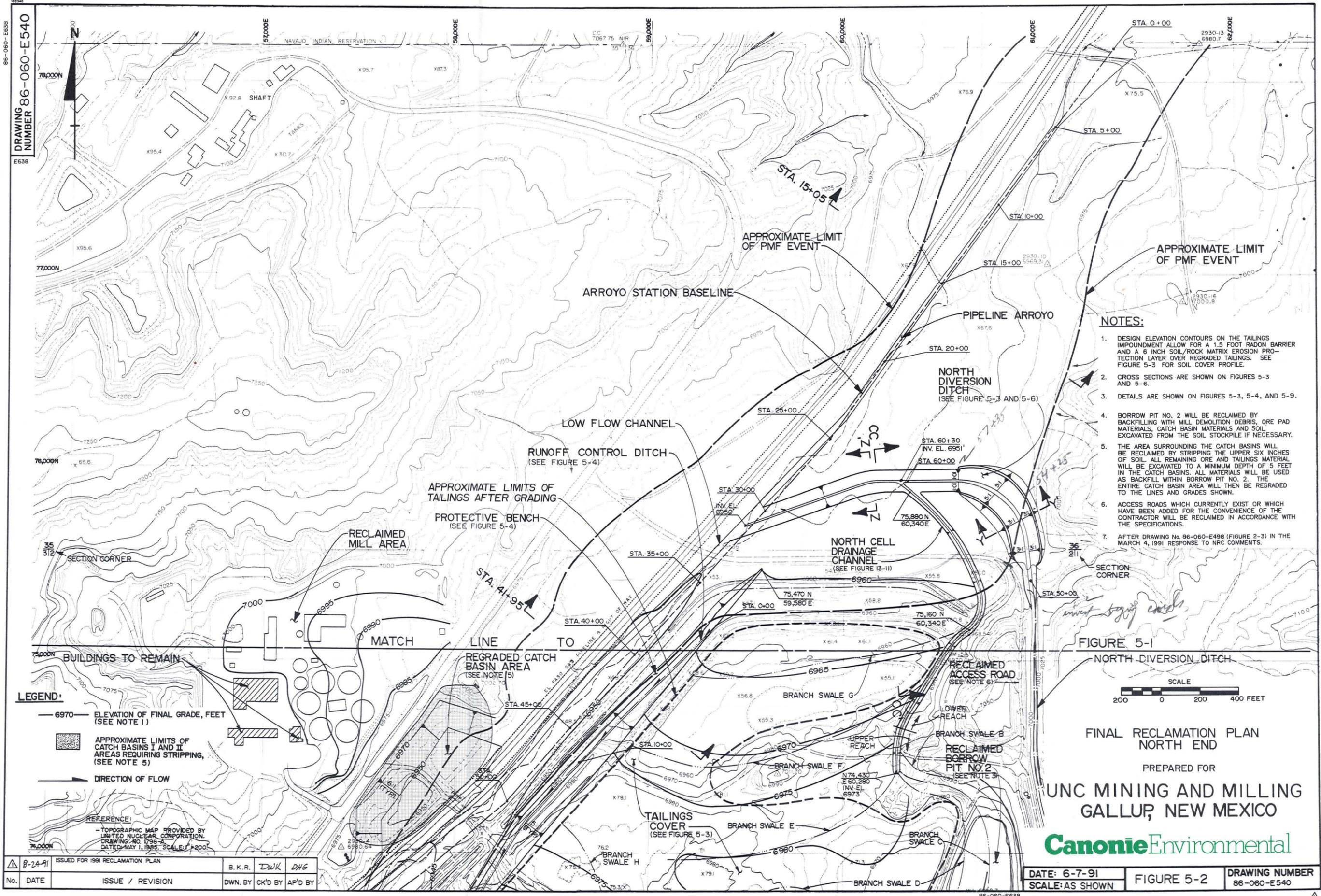
REFERENCE
TOPOGRAPHIC MAP PROVIDED BY
UNITED NUCLEAR CORPORATION
DRAWING NO. 1798-A
DATED: MAY 1, 1985. SCALE: 1" = 200'

DISCHARGE TO
NATURAL DRAINAGE

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
8-24-11		ISSUED FOR 1991 RECLAMATION PLAN	M.T.H.	D.W.K.	D.H.G.

DATE: 5-30-91	FIGURE 5-1	DRAWING NUMBER 86-060-E544
SCALE: AS SHOWN		

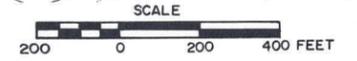
86-060-E638
DRAWING NUMBER 86-060-E540
E638



NOTES:

1. DESIGN ELEVATION CONTOURS ON THE TAILINGS IMPONDMENT ALLOW FOR A 1.5 FOOT RADON BARRIER AND A 6 INCH SOIL/ROCK MATRIX EROSION PROTECTION LAYER OVER REGRADED TAILINGS. SEE FIGURE 5-3 FOR SOIL COVER PROFILE.
2. CROSS SECTIONS ARE SHOWN ON FIGURES 5-3 AND 5-6.
3. DETAILS ARE SHOWN ON FIGURES 5-3, 5-4, AND 5-9.
4. BORROW PIT NO. 2 WILL BE RECLAIMED BY BACKFILLING WITH MILL DEMOLITION DEBRIS, ORE PAD MATERIALS, CATCH BASIN MATERIALS AND SOIL EXCAVATED FROM THE SOIL STOCKPILE IF NECESSARY.
5. THE AREA SURROUNDING THE CATCH BASINS WILL BE RECLAIMED BY STRIPPING THE UPPER SIX INCHES OF SOIL. ALL REMAINING ORE AND TAILINGS MATERIAL WILL BE EXCAVATED TO A MINIMUM DEPTH OF 5 FEET IN THE CATCH BASINS. ALL MATERIALS WILL BE USED AS BACKFILL WITHIN BORROW PIT NO. 2. THE ENTIRE CATCH BASIN AREA WILL THEN BE REGRADED TO THE LINES AND GRADES SHOWN.
6. ACCESS ROADS WHICH CURRENTLY EXIST OR WHICH HAVE BEEN ADDED FOR THE CONVENIENCE OF THE CONTRACTOR WILL BE RECLAIMED IN ACCORDANCE WITH THE SPECIFICATIONS.
7. AFTER DRAWING No. 86-060-E498 (FIGURE 2-3) IN THE MARCH 4, 1991 RESPONSE TO NRC COMMENTS.

FIGURE 5-1



**FINAL RECLAMATION PLAN
NORTH END**

PREPARED FOR
**UNC MINING AND MILLING
GALLUP, NEW MEXICO**

Canonie Environmental

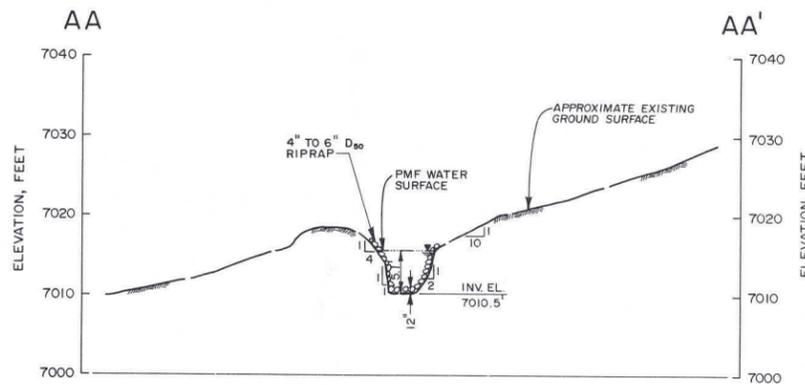
LEGEND:

- 6970 — ELEVATION OF FINAL GRADE, FEET (SEE NOTE 1)
- ▨ APPROXIMATE LIMITS OF CATCH BASINS I AND II AREAS REQUIRING STRIPPING, (SEE NOTE 5)
- DIRECTION OF FLOW

REFERENCE:
— TOPOGRAPHIC MAP PROVIDED BY UNITED NUCLEAR CORPORATION, DRAWING NO. 179-A, DATED MAY 1, 1985, SCALE 1"=200'

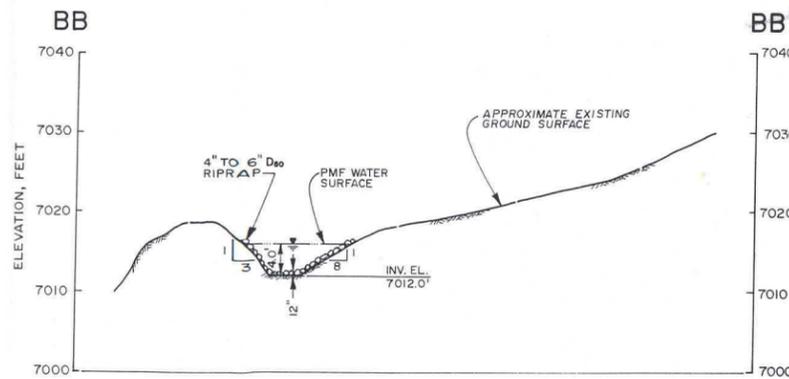
▲ B-2491	ISSUED FOR 1991 RECLAMATION PLAN	B. K. R.	DWK	DHG
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY
			AP'D BY	

DATE: 6-7-91	FIGURE 5-2	DRAWING NUMBER: 86-060-E540
SCALE: AS SHOWN		



SECTION AA-AA' *
NORTH DIVERSION DITCH
(LOOKING NORTHEAST)

NOTE:
1. SEE FIGURE 5-1 FOR SECTION LOCATION.

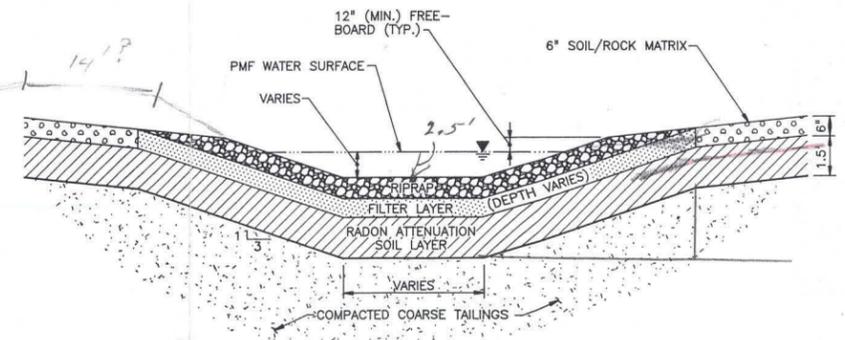


SECTION BB-BB' *
NORTH DIVERSION DITCH
(LOOKING NORTH)

NOTE:
1. SEE FIGURE 5-1 FOR SECTION LOCATION.



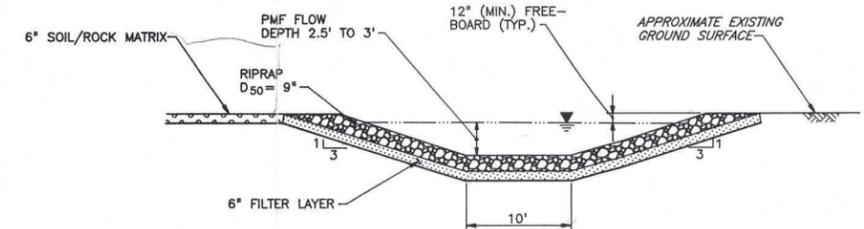
VERTICAL EXAGGERATION = 5X



TYPICAL BRANCH SWALE

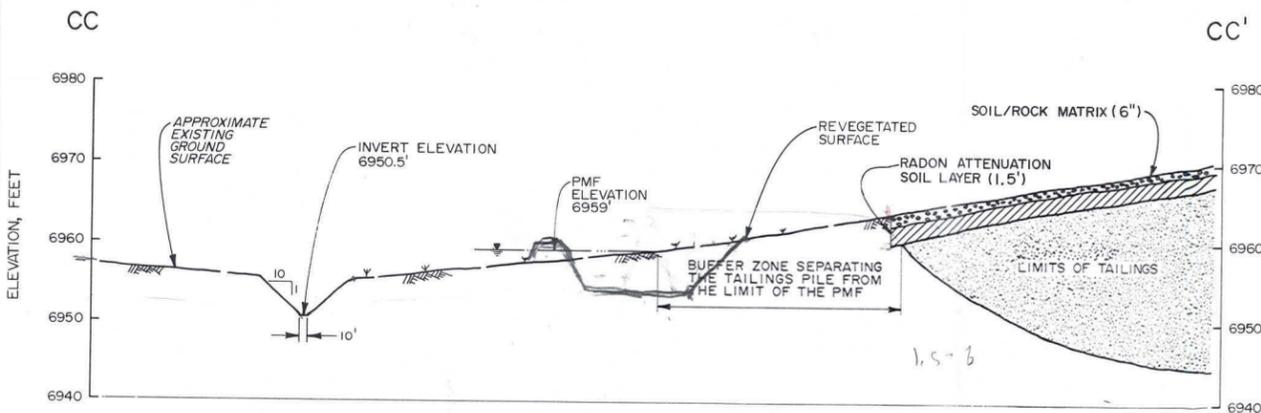
NOT TO SCALE

NOTE:
1. BRANCH SWALE DIMENSIONS AND RIPRAP SIZES PROVIDED IN TABLES 5.5, 5.6, AND 5.7. (TABLES B.2, B.3, AND B.4 IN THE SPECIFICATIONS.)



TYPICAL SECTION
NORTH CELL DRAINAGE CHANNEL
(LOOKING NORTH)

NOT TO SCALE

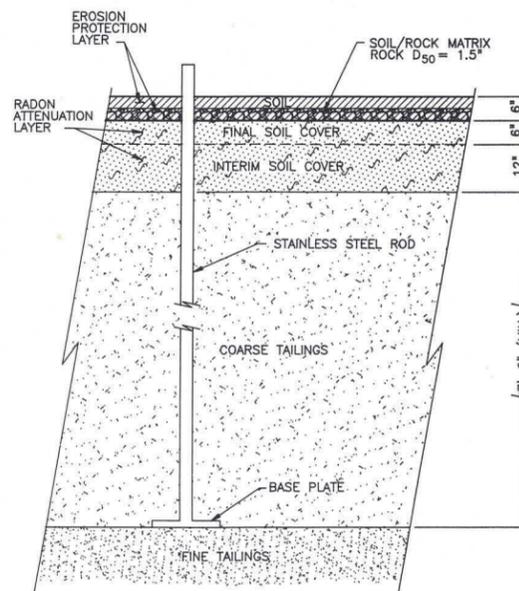


SECTION CC-CC' *
NORTH DIVERSION DITCH TO
NORTHERN PORTION OF TAILINGS PILE
(LOOKING EAST)

NOTE:
1. SEE FIGURE 5-2 FOR SECTION LOCATION.



VERTICAL EXAGGERATION = 2.5X



SOIL COVER PROFILE

NOT TO SCALE

NOTES:

1. RADON ATTENUATION SOIL COVER DESIGN IS DESCRIBED IN SECTION 5.0.
2. PLAN LOCATIONS OF MONUMENTS ARE SHOWN ON FIGURES 4-1 AND 4-2.
3. AFTER DRAWING No. 86-060-A496 (FIGURE 2) IN THE MARCH 4, 1991 RESPONSE TO NRC COMMENTS.

* AFTER DRAWING No. 86-060-E274 (FIGURE 12) IN THE OCTOBER, 1989 TAILINGS IMPOUNDMENT STABILITY ENGINEER'S REPORT.

SOIL COVER AND
SURFACE WATER CONTROL DETAILS
PREPARED FOR

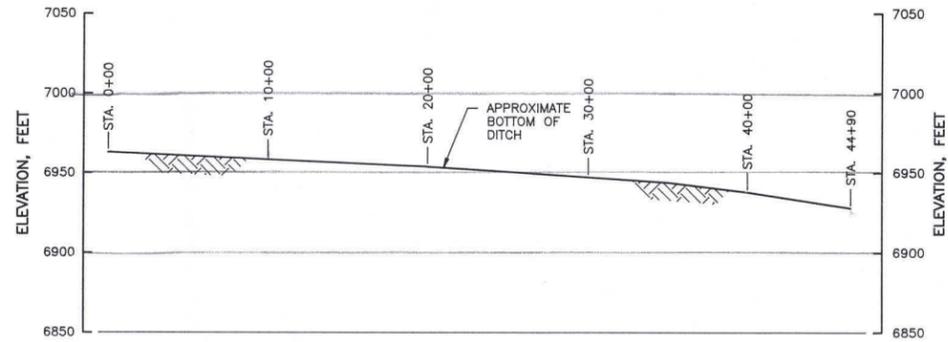
UNC MINING AND MILLING
GALLUP, NEW MEXICO

Canonie Environmental

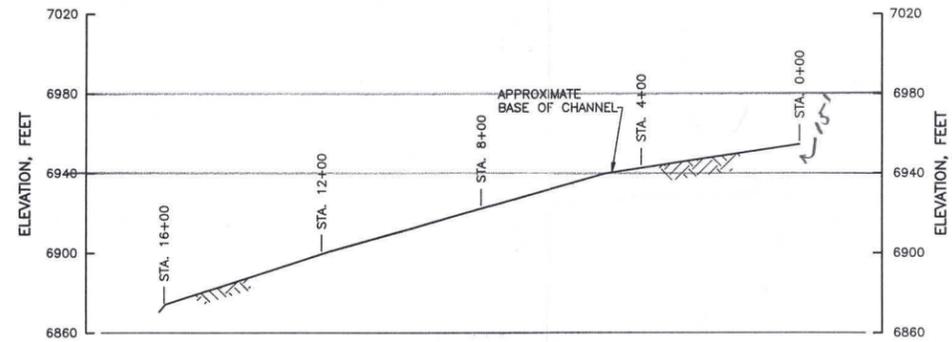
8-24-91	ISSUED FOR 1991 RECLAMATION PLAN	M.T.H.	DWK	DHG
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY

DATE:	6-10-91	FIGURE 5-3	DRAWING NUMBER
SCALE:	AS SHOWN	86-060-E569	

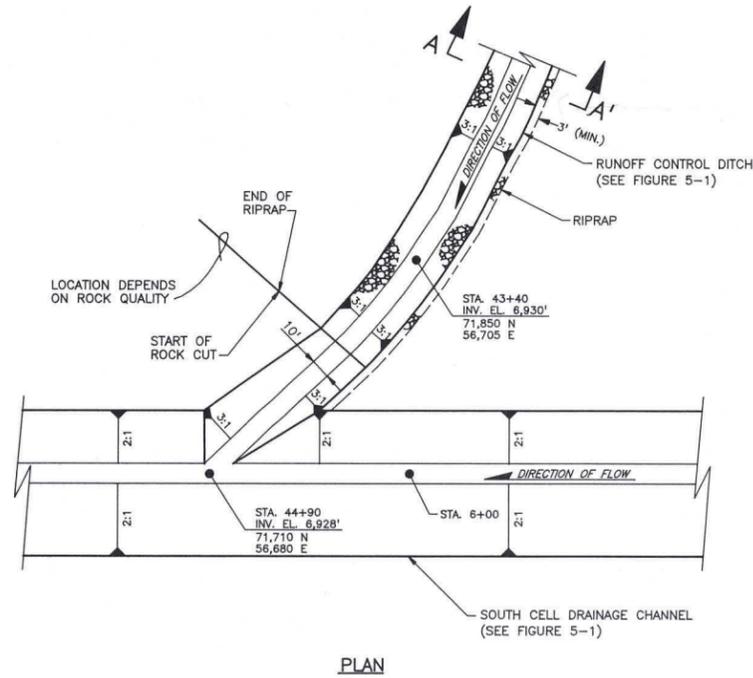
DRAWING NUMBER 86-060-E565



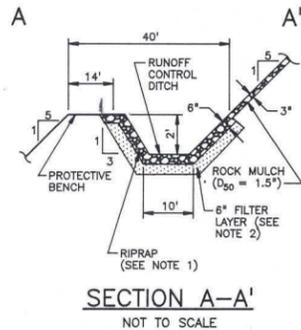
PROFILE
RUNOFF CONTROL DITCH



PROFILE
SOUTH CELL DRAINAGE CHANNEL



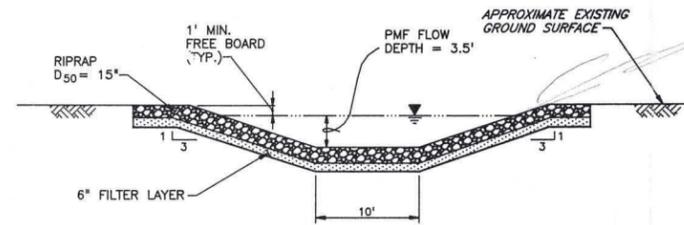
PLAN
EXIT SECTION RUNOFF CONTROL DITCH
INTO SOUTH CELL DRAINAGE CHANNEL



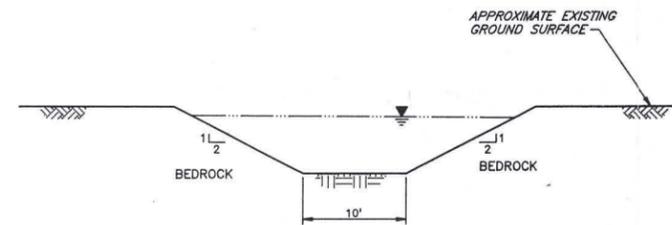
SECTION A-A'
NOT TO SCALE

- NOTES:
1. RIPRAP $D_{50} = 1.5'$ IN UPPER REACH OF RUNOFF CONTROL DITCH. $D_{50} = 3.0'$ IN LOWER REACH OF RUNOFF CONTROL DITCH.
 2. FILTER LAYER REQUIRED ONLY FOR LOWER REACH OF RUNOFF CONTROL DITCH.

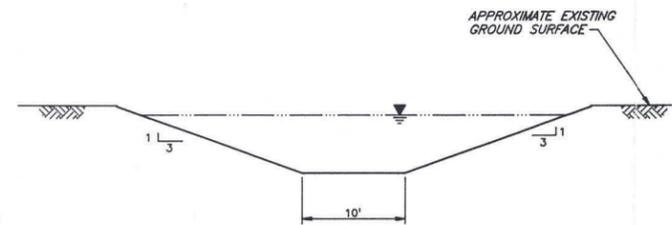
UPPER changed. 3" rock. 3" filter.



SOUTH CELL DRAINAGE CHANNEL
STA. 0+00 TO STA. 4+50
NOT TO SCALE



SOUTH CELL DRAINAGE CHANNEL
STA. 4+50 TO STA. 9+00
NOT TO SCALE



SOUTH CELL DRAINAGE CHANNEL
STA. 9+00 TO STA. 16+00
NOT TO SCALE

NOTE:
1. AFTER DRAWING No. RM86-060-E43 (FIGURE 7-9) IN THE 1987 RECLAMATION PLAN (CANONIE, 1987b).

RUNOFF CONTROL DITCH AND SOUTH CELL DRAINAGE CHANNEL DETAILS
PREPARED FOR
UNC MINING AND MILLING
GALLUP, NEW MEXICO
Canonie Environmental

8-24-91	ISSUED FOR 1991 RECLAMATION PLAN	M.T.H.	DWK	DHG
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY

DATE: 6-10-91	FIGURE 5-4	DRAWING NUMBER 86-060-E565
SCALE: AS SHOWN		