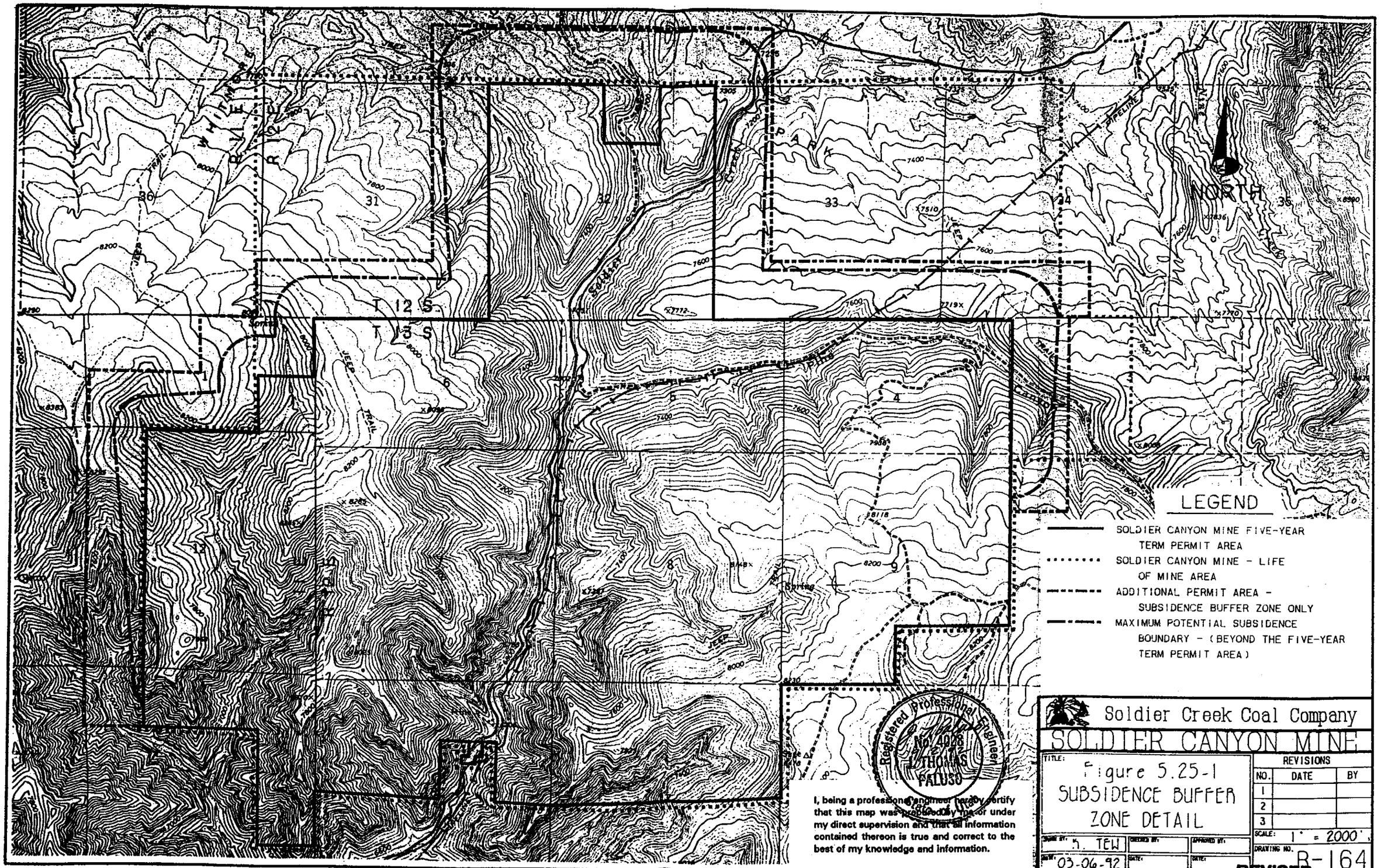
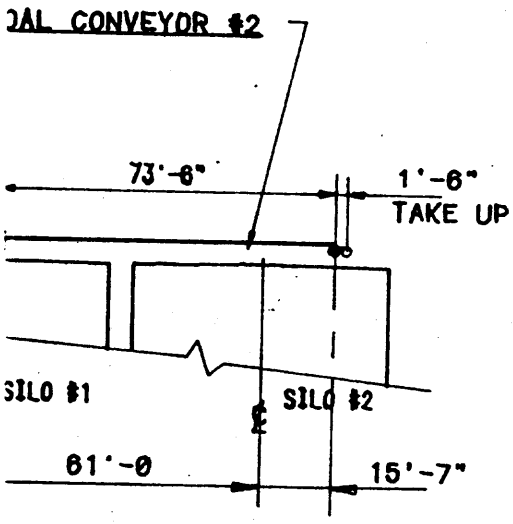


NORTH
T 12 S
T 13 S
PARK
PIPELINE
JEEP TRAIL
Soldier Creek
Spring
LEGEND
SOLDIER CANYON MINE FIVE-YEAR TERM PERMIT AREA
SOLDIER CANYON MINE - LIFE OF MINE AREA
ADDITIONAL PERMIT AREA - SUBSIDENCE BUFFER ZONE ONLY
MAXIMUM POTENTIAL SUBSIDENCE BOUNDARY - (BEYOND THE FIVE-YEAR TERM PERMIT AREA)
Registered Professional Engineer
No. 4028
L. THOMAS PALUSO
I, being a professional engineer hereby certify that this map was prepared by me or under my direct supervision and that all information contained thereon is true and correct to the best of my knowledge and information.
Soldier Creek Coal Company
SOLDIER CANYON MINE
TITLE: Figure 5.25-1 SUBSIDENCE BUFFER ZONE DETAIL
REVISIONS
NO. DATE BY
1
2
3
SCALE: 1" = 2000'
DRAWING NO. R-164
DRAWN BY: K. TEW
DATE: 03-06-92
REVISED
SEP 08 1992



COAL TRANSFER

SILO #1

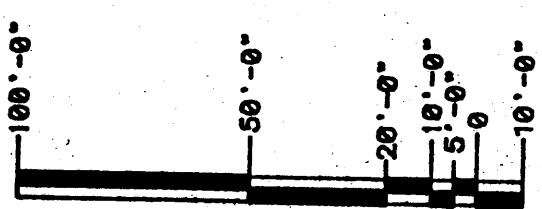


FIGURE 5.

Soldier Creek Coal Company

SOLDIER CANYON MINE

PROJECT	MINE SURFACE FACILITIES	PROJECT NO. 90-1312	ISSUED
LOCATION	SOLDIER CANYON MINE	DESIGNED BY	DRAWN BY NS
CUSTOMER	SOLDIER CREEK COAL COMPANY	DATE	DATE 1/16/91
		CHECKED BY	APPROVED BY
TITLE	CONVEYOR PROFILES	DATE	DATE
		DRAWING NO. 1312-A-101	SCALE

rWest

CONSULTANTS, INC.

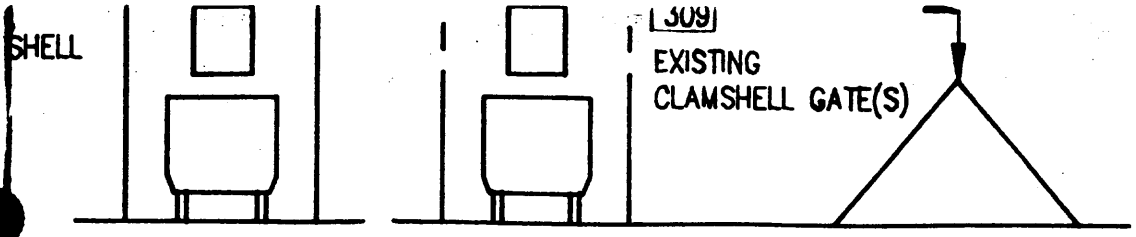


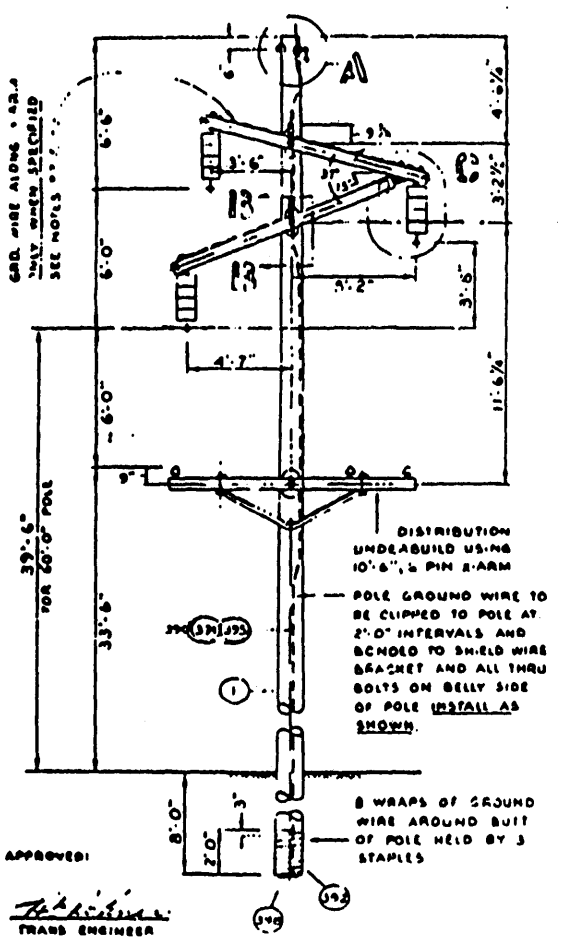
FIGURE 5.26-2

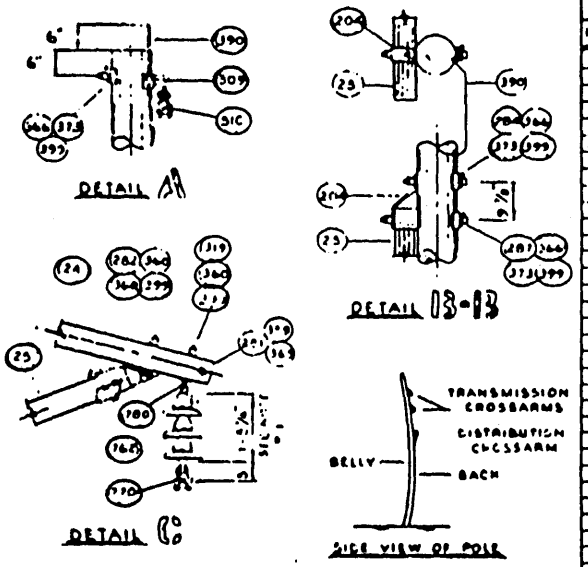
Soldier Creek Coal Company

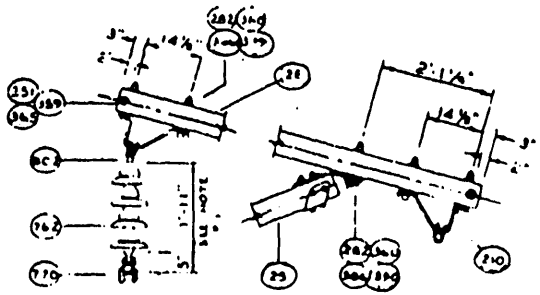
SOLDIER CANYON MINE

CT MINE SURFACE FACILITIES	PROJECT NO. 90-1312	ISSUED	
ON SOLDIER CANYON MINE	DESIGNED BY DFS	DRAWN BY MS/JM	
	DATE	DATE 10/26/90	
MER SOLDIER CREEK COAL COMPANY	CHECKED BY	APPROVED BY	
	DATE	DATE	
FLOWSHEET INCORPORATING BAUM JIG PREPARATION PLANT	DRAWING NO. 1312-F-001	SCALE NONE	REV. D

5/2/91







ANGLE BRACKET DETAILS
USE ONLY WHEN SPECIFIED

BILL OF MATERIAL

ITEM	QUANTITY 46	QUANTITY 69	DESCRIPTION	REMARKS
1	1 EA	1 EA	POLE, WESTERN RED CEDAR	BUTT TREATED
24	1 EA	-	6"x6"x10'-0" CROSSARM UPPER	DWG UA-33918
25	1 EA	1 EA	6"x6"x10'-0" CROSSARM LOWER	DWG UB-33918
28	-	1 EA	6"x6"x12'-0" CROSSARM ITEM #3	DWG UA-33653
204	2 EA	2 EA	CROSSARM SUPPORT BRACKET	DWG UA-33937
210	-	2 EA	ANGLE BRACKET	DWG A 2973
251	3 EA	3 EA	1/2"x7" MACHINE BOLT	SPLIT BOLT
282	1 EA	3 EA	3/4"x8" MACHINE BOLT	W/ITEMS #25, 210
284	2 EA	2 EA	3/4"x12" MACHINE BOLT	W/ITEM #204
287	2 EA	2 EA	3/4"x10" MACHINE BOLT	W/ITEMS #24, 25, 204
319	3 EA	1 EA	3/4"x8" SHOULDER EYE BOLT	W/ITEM #762
359	3 EA	3 EA	1/2" ROUND WASHER	W/ITEMS #251, 365
360	4 EA	6 EA	3/4" WASHER NUT	W/ITEMS #282, 319
365	3 EA	3 EA	1/2" SPRING WASHER	W/ITEMS #251, 359
366	6 EA	10 EA	3/4" SPRING WASHER	W/ITEMS #284, 287, 509
373	3 EA	3 EA	4" SQ CURVED WASHER - 13/16" Ø	W/ITEMS #284, 287, 509
390	110 FT	110 FT	GROUND WIRE	AS SPECIFIED
391	26 EA	26 EA	GROUND WIRE CLIP	KEARNEY #9730
392	3 EA	3 EA	1 1/4" STAPLES	FOR BUTT WRAP
393	31 EA	31 EA	10d GALV BOX NAILS	W/ITEMS #391, 392
395	1 EA	1 EA	GROUND BUTT PLATE	AS SPECIFIED
397	4 EA	11 EA	3/4" LOCKNUT	AS SPECIFIED
509	1 EA	1 EA	SHIELD WIRE BRACKET	DWG. UA-39485
510	1 EA	1 EA	SUSPENSION CLAMP	FOR SHIELD WIRE
762	4	4	10" DISC INSULATORS	OB 32440
770	3 EA	3 EA	SUSPENSION CLAMP	FOR CONDUCTOR
780	3 EA	-	SUSPENSION HOOK	OB 78420
804	-	3 EA	"Y" CLEVIS BALL	OB 82857

△ 1. USE 3 DISC INSULATORS PER STRING FOR 46kV LINE CONSTRUCTION
USE 4 DISC INSULATORS PER STRING FOR 69kV LINE CONSTRUCTION
2. USE 3 DISC INSULATORS WHEN CROSSARM HARDWARE IS GROUNDED
3. WHEN GROUNDING HARDWARE ON CROSSARM USE CRIMPT AS BOND TO RUN ADDITIONAL PIECE OF GROUND WIRE ALONG TOP OF ARM, BOND END FITTING & SHOULDER EYE BOLT WITH EXTRA NUT GROUNDING TO BE USED ONLY WHEN SPECIFIED OR WITH TELEPHONE UNDERBUILT

REDRAWN FROM
MAR 11 1966
AUG 14, 1978

FIGURE 5.26-3

Soldier Creek Coal Company

SOLDIER CANYON MINE

TITLE

46/69 KV
Transmission
Type "YS"
Tangent Structure

DRAWING NO. UB-51553

REVISIONS

NO	DATE	BY
1		
2		
3		

DRAWN BY | DATE | CHECKED | DATE | SCALE

CHECKED BY
CORRECT

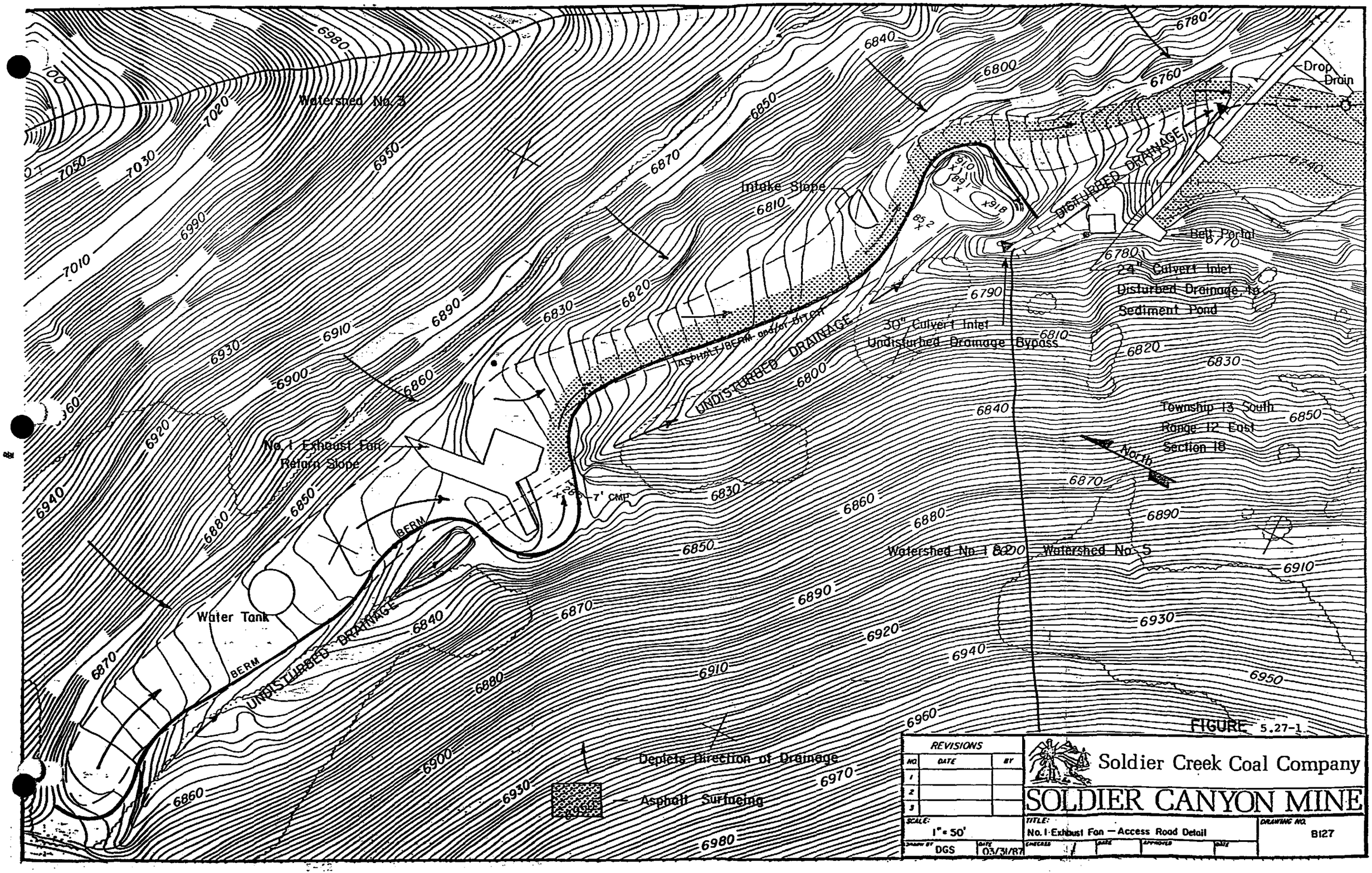
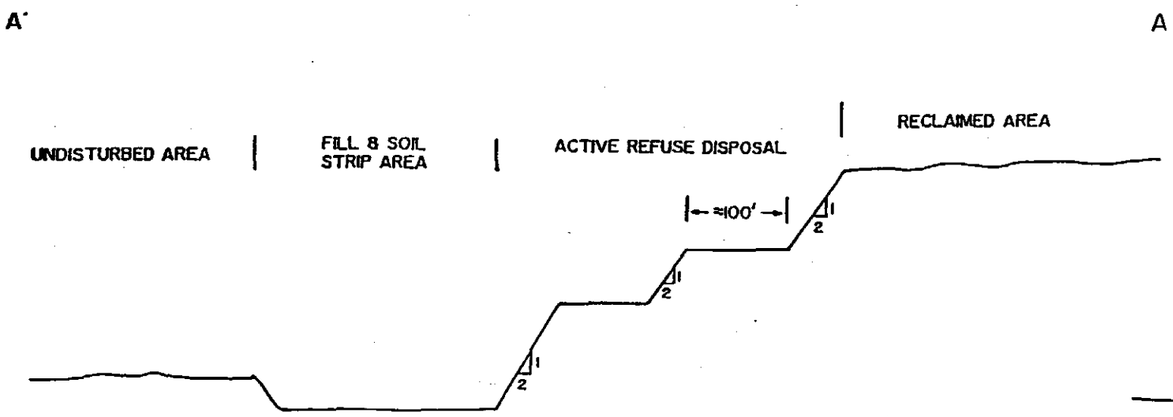
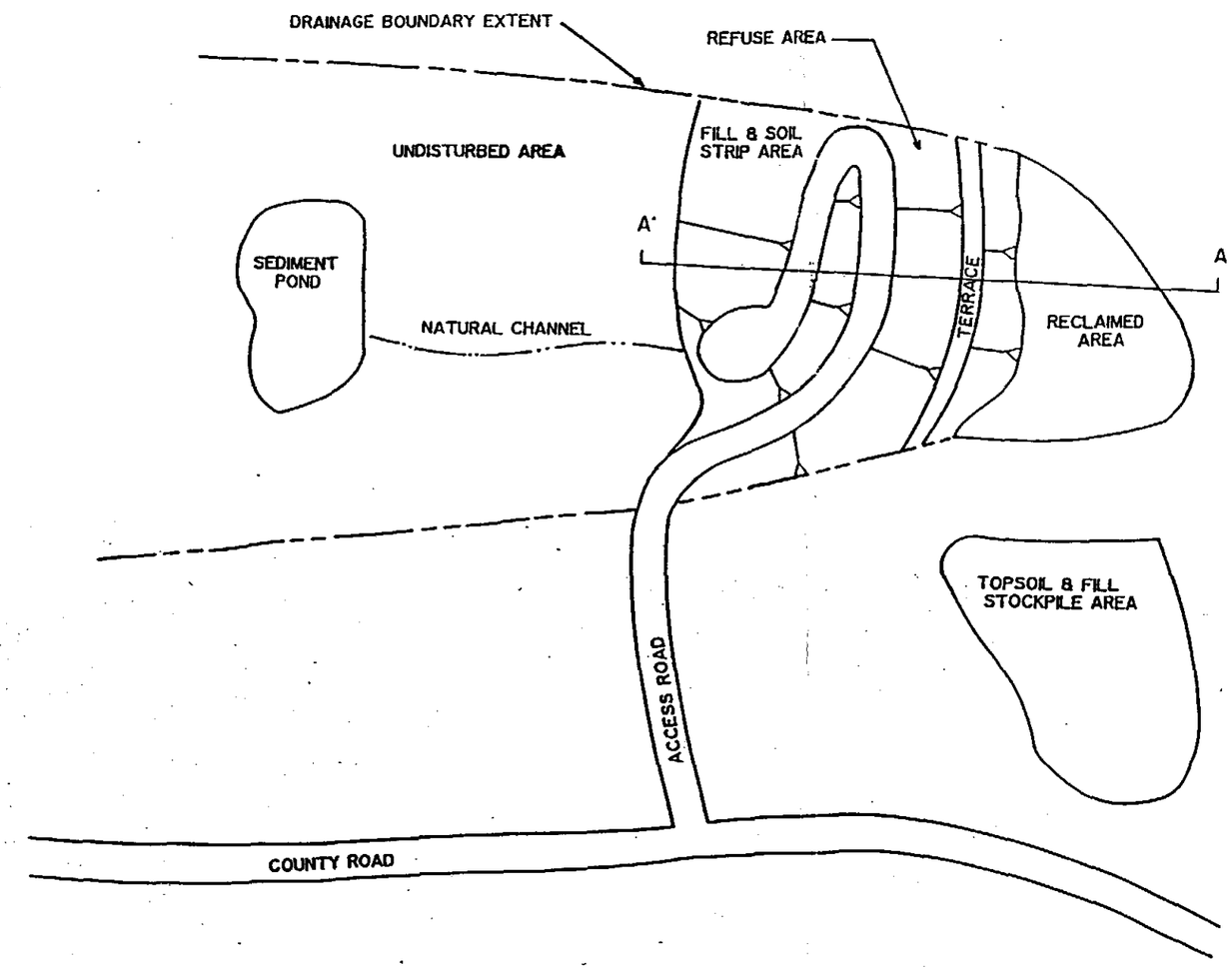

Watershed No. 3
Intake Slope
DISTURBED DRAINAGE
Drop Drain
Bell Portal
24" Culvert Inlet
Disturbed Drainage to
Sediment Pond
30" Culvert Inlet
Undisturbed Drainage Bypass
ASPHALT BERM and/or SILT
UNDISTURBED DRAINAGE
Township 13 South
Range 12 East
Section 18
North
No. 1 Exhaust Fan
Return Slope
7' CMP
BERM
Watershed No. 1
Watershed No. 5
Water Tank
BERM
UNDISTURBED DRAINAGE
Depicts Direction of Drainage
Asphalt Surfacing
REVISIONS
NO. DATE BY
1
2
3
SCALE: 1" = 50'
DRAWN BY DGS
DATE 03/31/87
CHECKED
DATE
APPROVED
DATE
Soldier Creek Coal Company
SOLDIER CANYON MINE
TITLE: No. 1 Exhaust Fan — Access Road Detail
DRAWING NO. B127

FIGURE 5.27-1



CROSS-SECTION



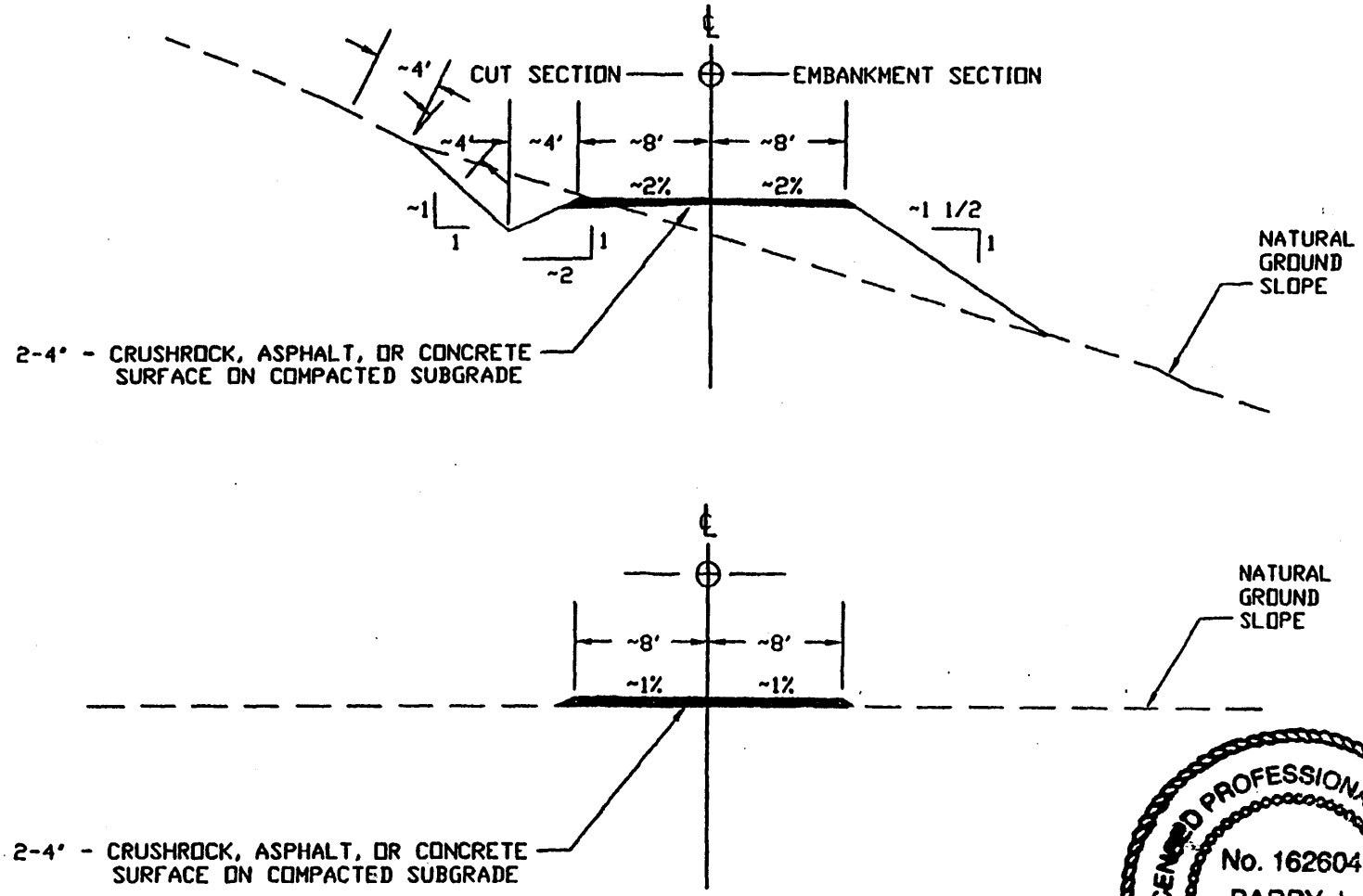
LICENSED PROFESSIONAL ENGINEER
No. 162604
BARRY J. BARNUM
STATE OF UTAH
9-29-96

FIGURE 5-I
TYPICAL DRAWING OF REFUSE DISPOSAL AREA.

EarthFax

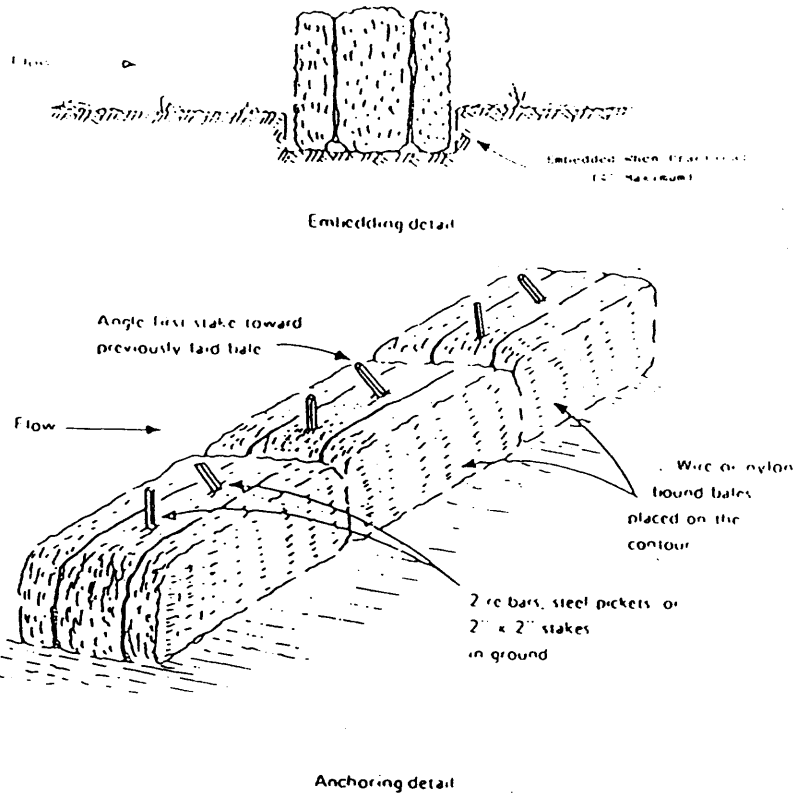
-6

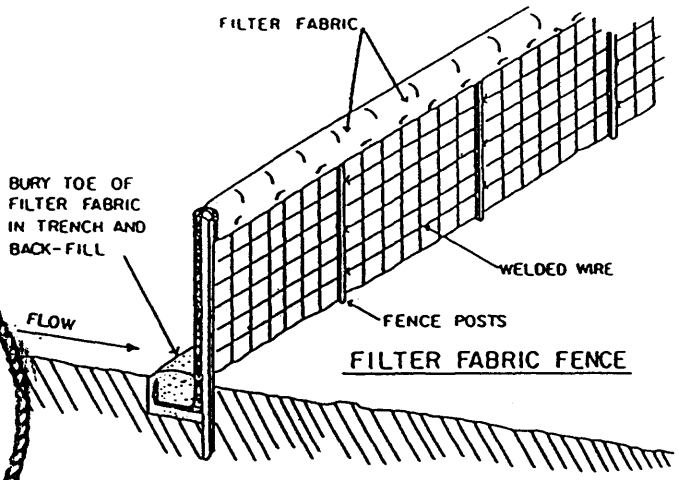
PRIMARY ROAD - TYPICAL SECTION



LICENSED PROFESSIONAL ENGINEER
No. 162604
BARRY J. BARNUM
STATE OF UTAH
9-26-96

FIGURE 5-2. TYPICAL ROAD CROSS SECTION

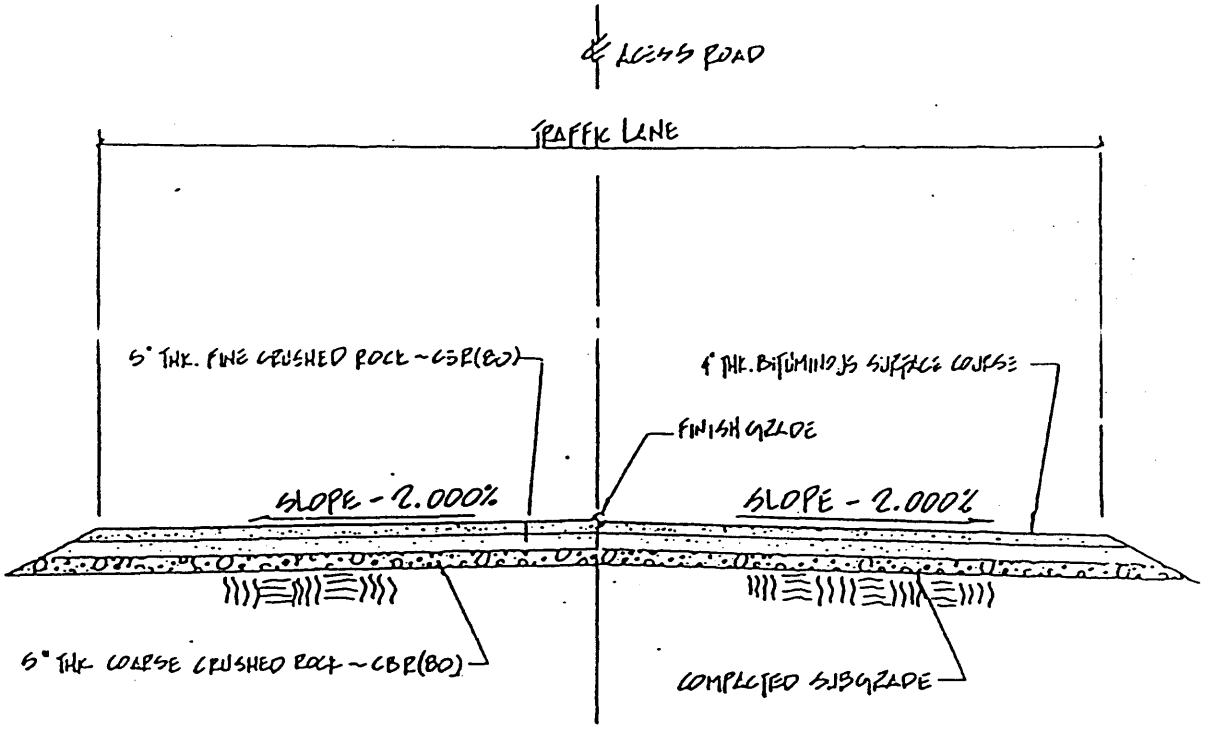




LICENSED PROFESSIONAL ENGINEER
No. 162604
BARRY J. BARNUM
STATE OF UTAH
1-30-96

Figure 5.32-1

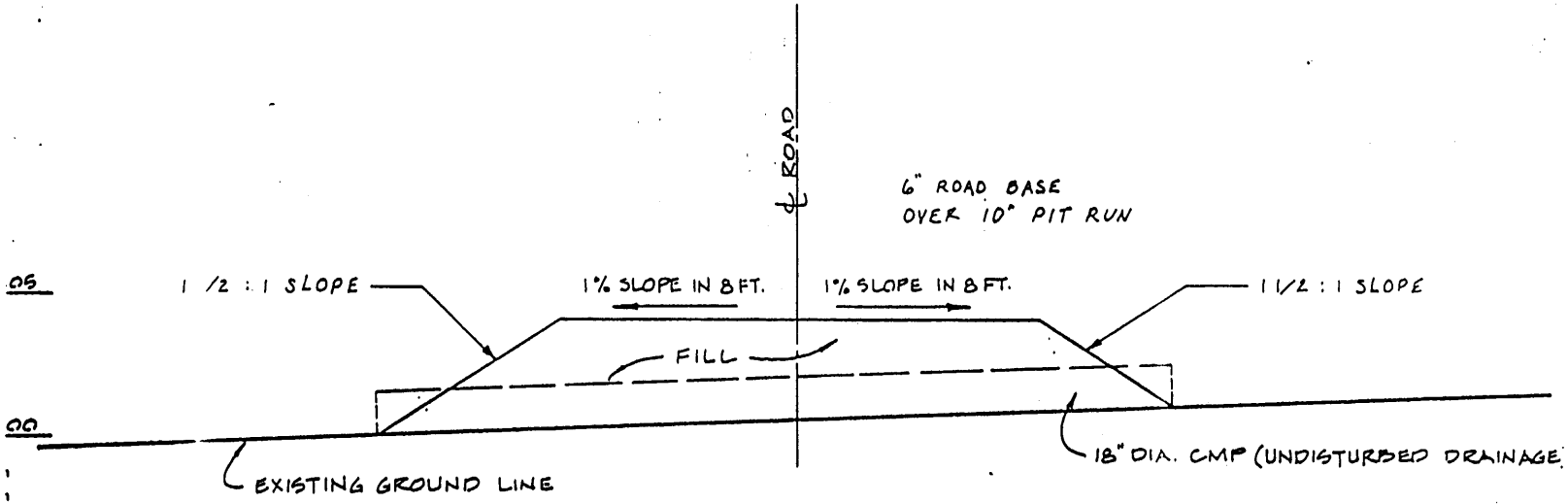
Soldier Creek Coal Company SC3 a subsidiary of Sun Coal Company	TITLE: Typical Straw Bale / Silt Fence Check Dam Installation			REVISIONS
	PROJECT: Sediment Control Structures			NO. / DATE / BY
	DRAWN BY: D.G.S.	CHECKED BY:	APPROVED BY:	1 / 2 / 3
	DATE: 07-25-92	DATE:	DATE:	SCALE: None
	SOLDIER CANYON MINE			DRAWING NO. A-248



TYPICAL ACCESS ROAD CROSS-SECTION

NO SCALE

FIGURE 5.34-1



TYPICAL ROAD CROSS SECTION

SCALE: 1" = 5' HORIZ. & VERT.

FIGURE 5.34-2

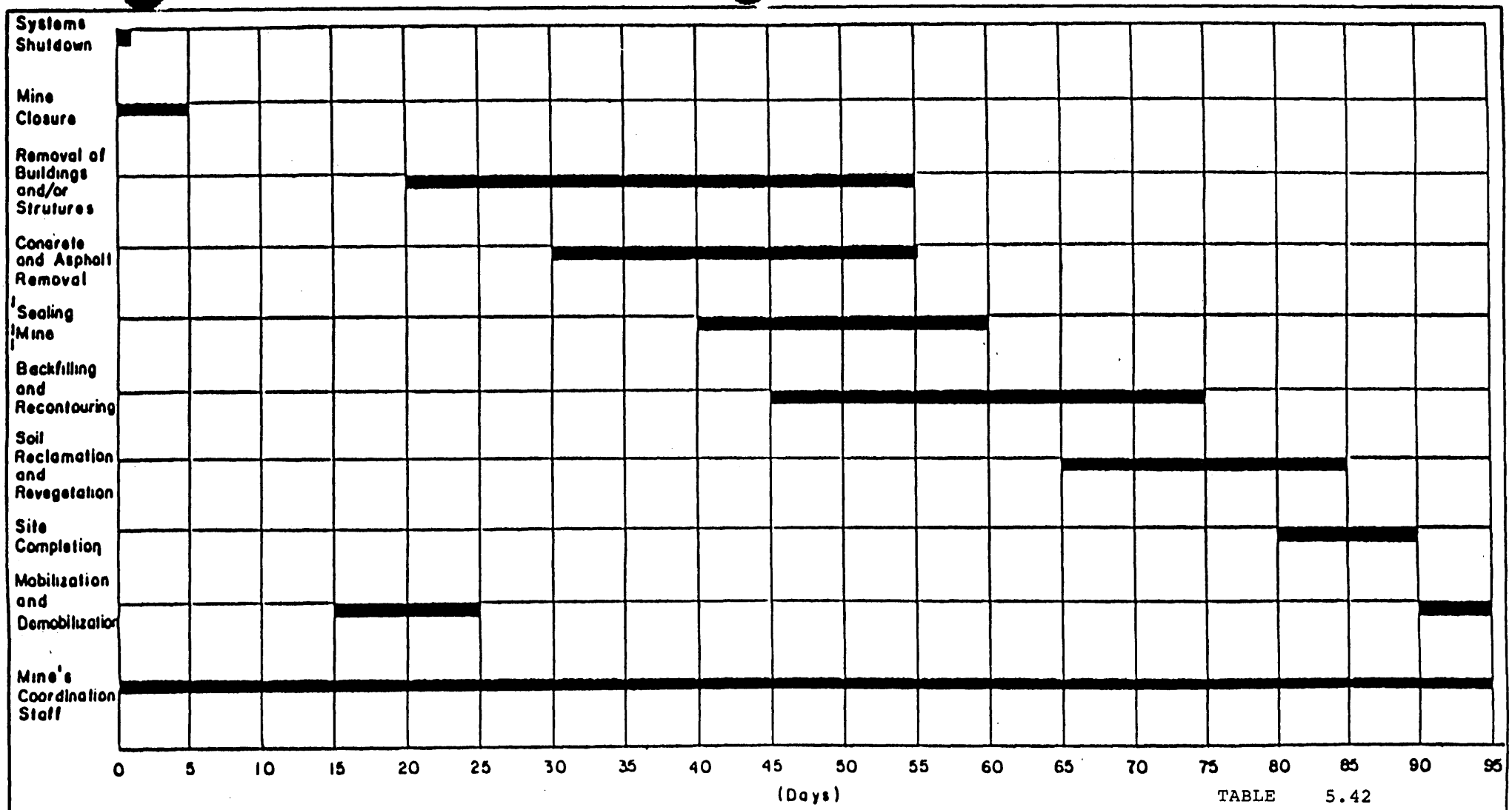


TABLE 5.42

Soldier Creek Coal Company

SOLDIER CANYON MINE

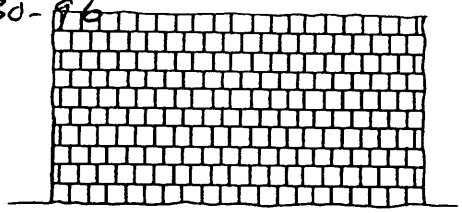
TITLE:

Final reclamation and revegetation timetable

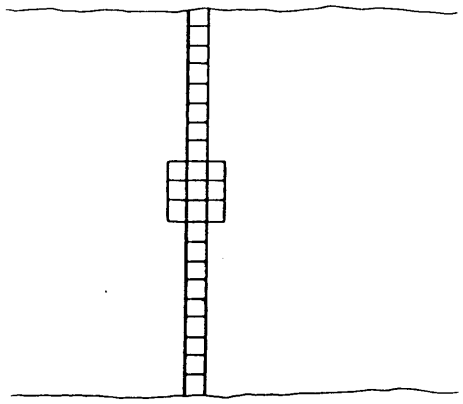
REVISIONS

NO	DATE	BY
1		
2		
3		

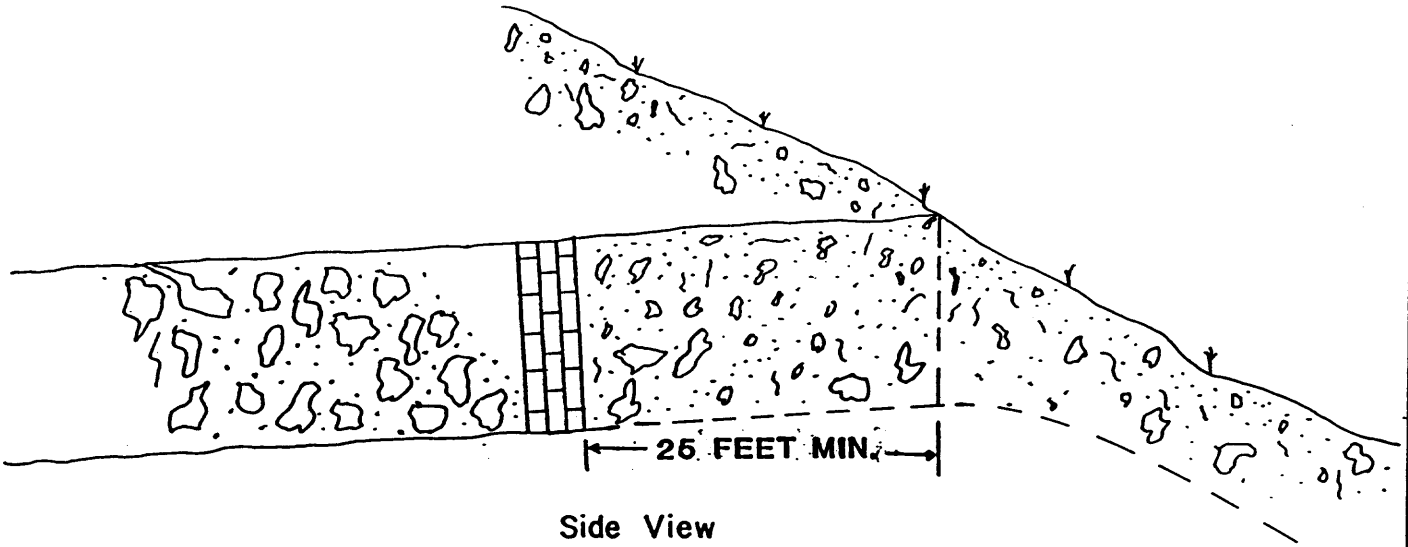
LICENSED PROFESSIONAL ENGINEER
No. 162604
BARRY J. BARNUM
STATE OF UTAH
9-30-86



Front View



Top View



Side View

FIGURE 5.42-1

REVISIONS		
NO.	DATE	BY
1		

Soldier Creek Coal Company

SOLDIER CANYON MINE

SCALE:	TITLE:	DRAWING NO.
1" = 10'	MINE OPENING SEAL	A 120

DRAWN BY	DATE	CHECKED	DATE	APPROVED	DATE
CPA	1-11-84				