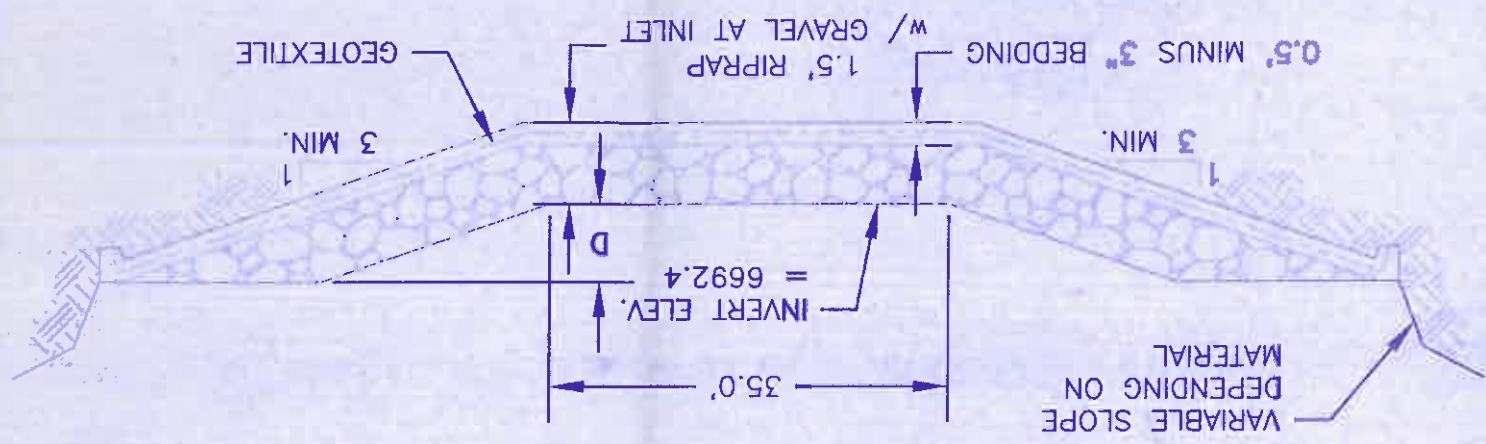


SECTION OF EMERGENCY SPILLWAY

NOT TO SCALE
N9-B POND

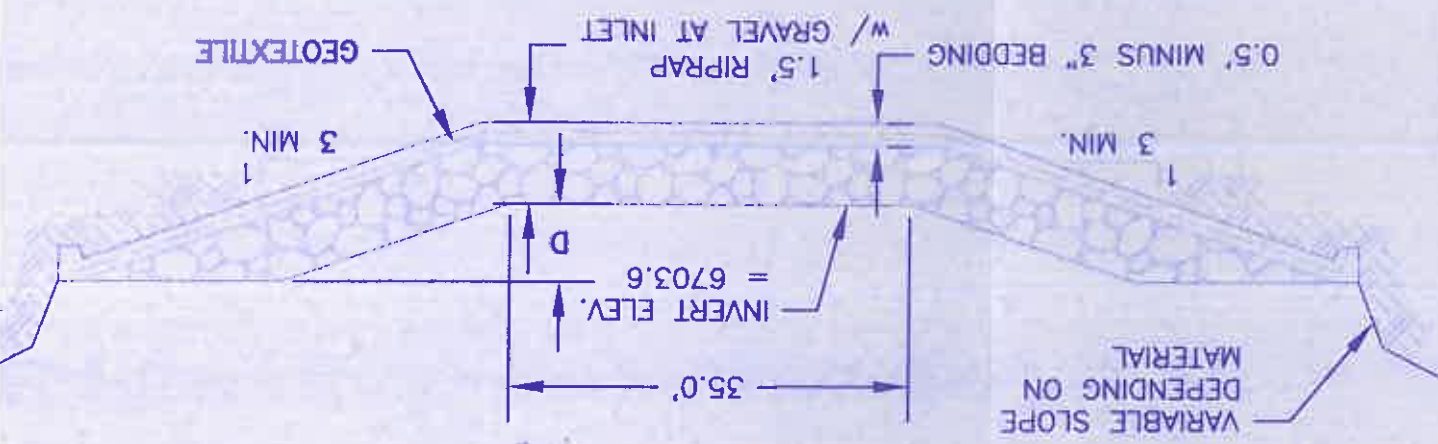
SPILLWAY MIN. D=2.5'
OUTFLOW CHANNEL MIN. D=2.0'



SECTION OF EMERGENCY SPILLWAY

NOT TO SCALE
N9-B1 POND

SPILLWAY MIN. D=2.5'
OUTFLOW CHANNEL MIN. D=2.0'



(SEE 85400'S FOR LOCATION)
N9-B TEMPORARY DIVERSION

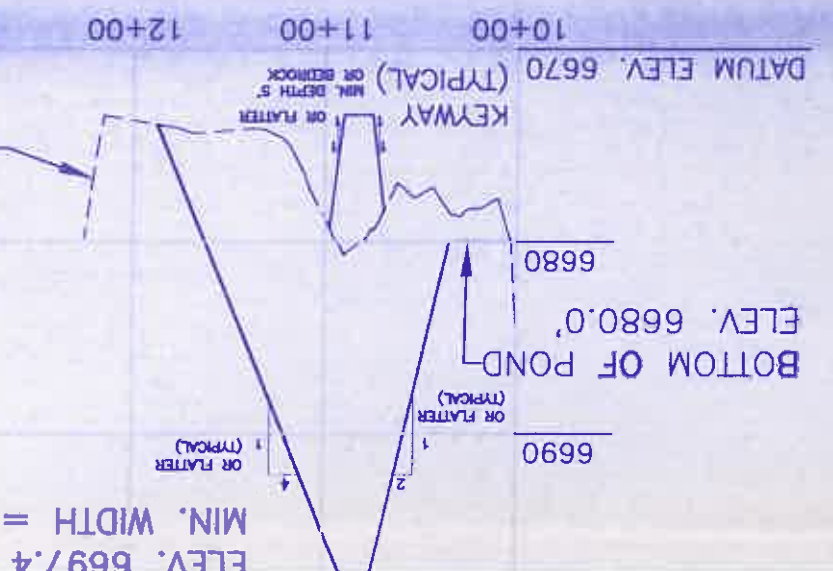
MIN. WIDTH: 35.0'
MAX SLOPE: 25%
3:1 SIDE SLOPES-RIPRAP

SPILLWAY OUTFLOW CHANNEL

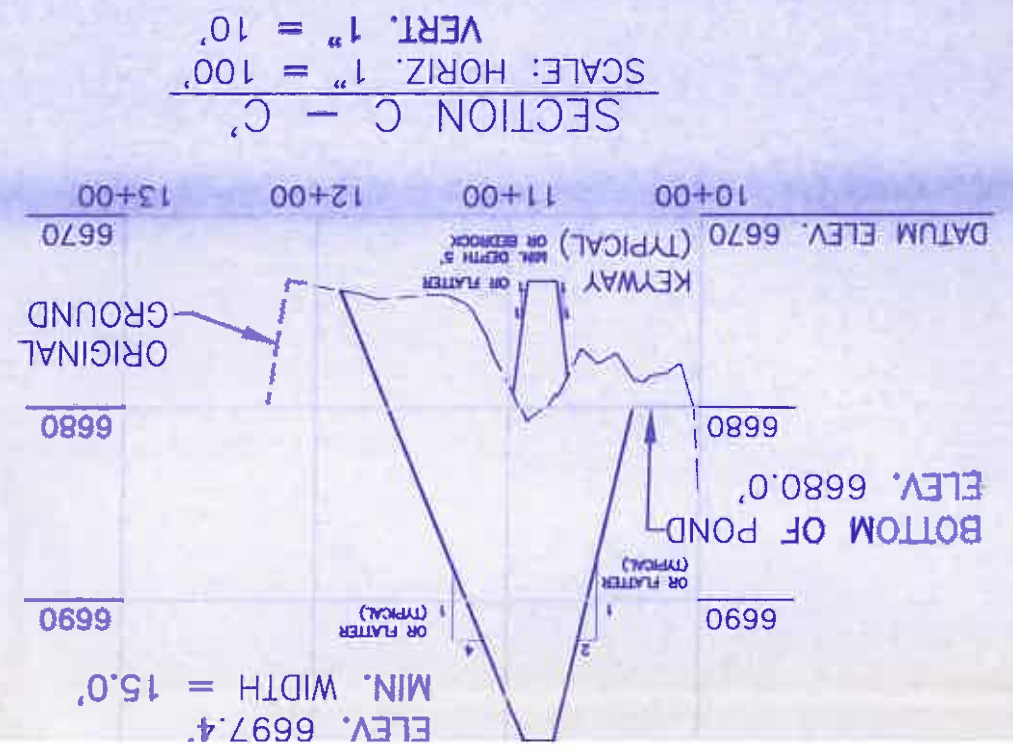
ELEV. 6692.4'
MIN. WIDTH = 35.0'
3:1 SIDE SLOPE
EMERGENCY SPILLWAY

ELEV. 6697.4'
MIN. WIDTH = 15.0'
TOP OF EMBANKMENT

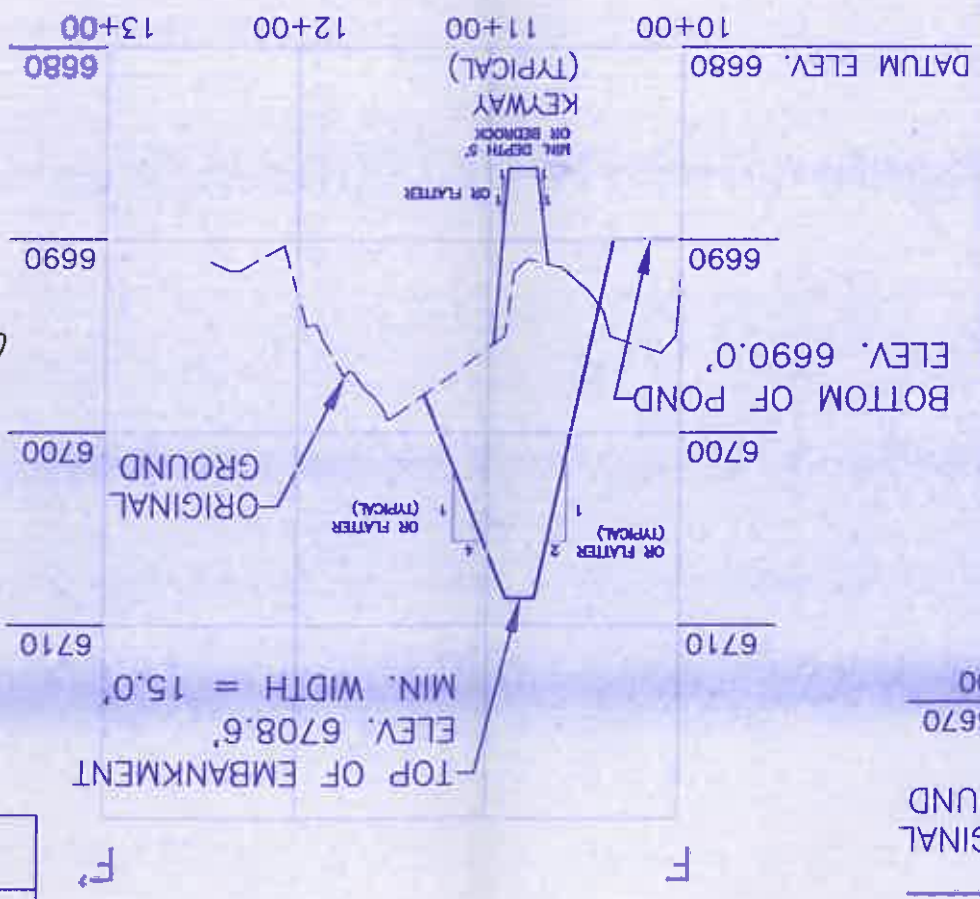
SECTION C - C'
SCALE: HORIZ. 1" = 100'
VERT. 1" = 10'



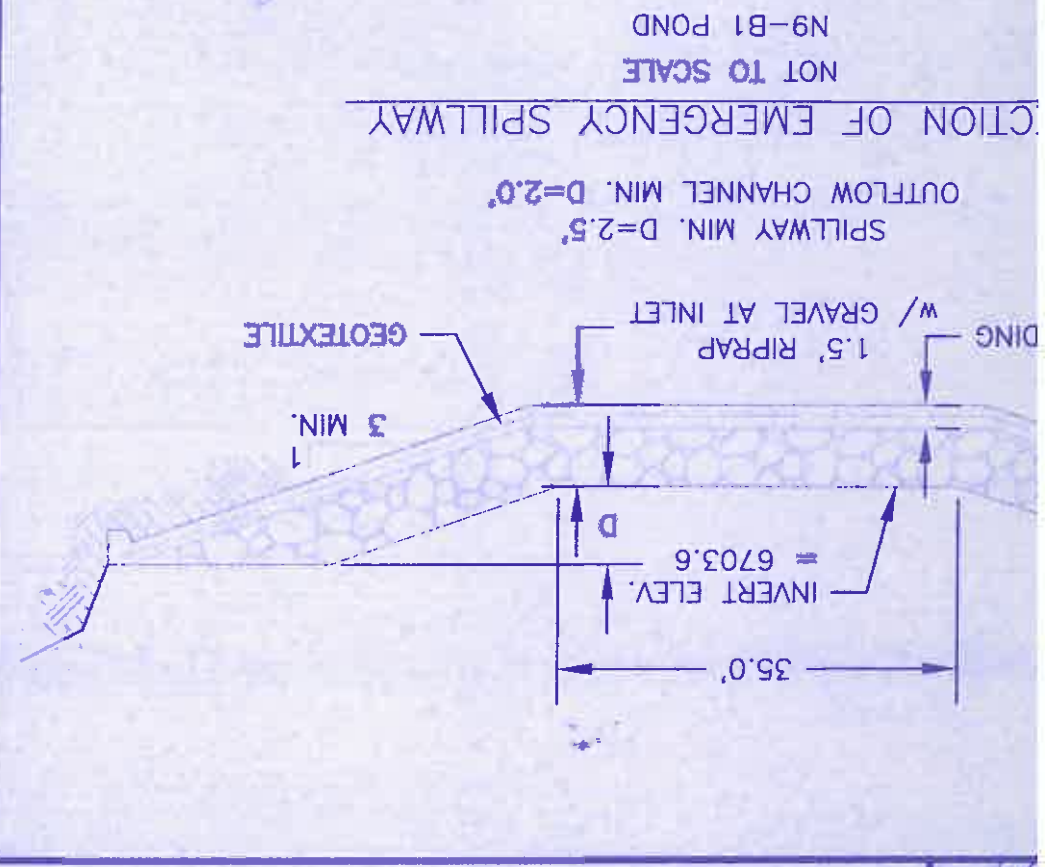
6697.4	0.0	1.18	0.0	6697.4	TOP OF EMBANKMENT
6695.0	0.0	1.48	5.0	6685.0	INCISED ELEV.
6692.4	0.0	1.83	10.0	6690.0	
6690.0	0.0	2.06	12.4	6692.4	EMERGENCY SPILLWAY
6685.0	0.0	2.31	15.0	6695.0	
6697.4	0.0	2.69	17.4	6697.4	TOP OF EMBANKMENT



SECTION C - C
SCALE: HORIZ. 1" = 100'
VERT. 1" = 10'



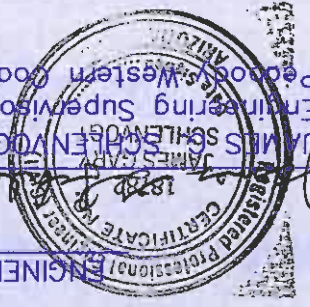
SECTION F - F
SCALE: HORIZ. 1" = 100'
VERT. 1" = 10'



SECTION OF EMERGENCY SPILLWAY
NOT TO SCALE



ARIZONA P.E. 18782
 JAMES GARY SCHLENGER
 Engineering Supervisor
 Pedross Western Pool Company
 Date: DEC 23 2004



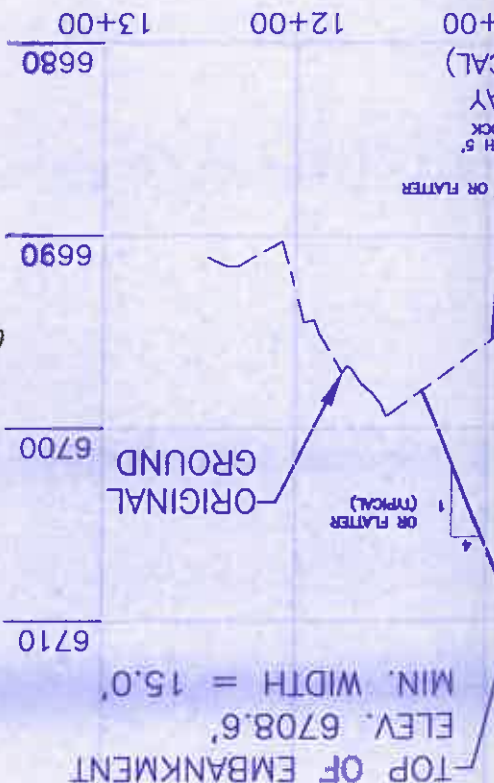
ENGINEER'S CERTIFICATION

WOODSON
 ENGINEERING AND SURVEYING, INC.
 124 N. ELDEN ST.
 FLAGSTAFF, AZ 86001
 PHONE: (928) 774-4636 FAX: (928) 774-4646

- NOTES:
- 1) General location, see Drawing No. 85400, Sheet K-6 and
 - 2) See Chapter 6, Black Mesa PAP for Construction Specifications, Attachment D, Sections 1-3 for
 - 3) See Vol. 2, Chapter 6, Attachment D, Sections 1-3 for Geotechnical Evaluation.
 - 4) Salvage topsoil in accordance with approved topsoil salvage plan.
 - 5) Reclamation of the disturbed area above the high water accordance with the approved reclamation plan.
 - 6) Ponding area side slopes, typical 3:1 slope or flatter as topography.

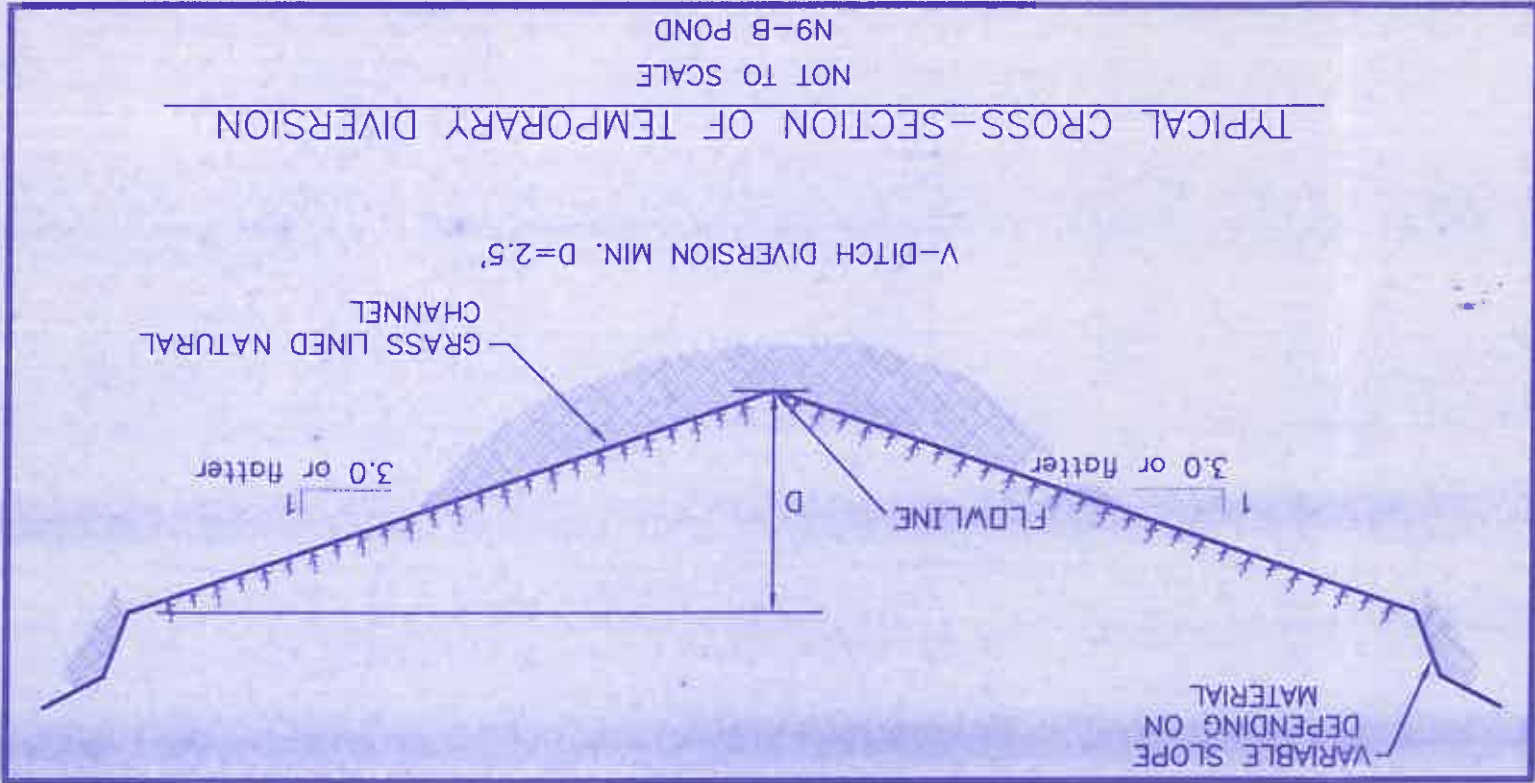
WOODSON

TION F - F'
 HORIZ. 1" = 100'
 VERT. 1" = 10'



- NOTES:
- 1) General location, see Drawing No. 85400, Sheet K-6 and Drawing No. 85405.
 - 2) See Chapter 6, Black Mesa PAF for Construction Specifications.
 - 3) See Vol. 2, Chapter 6, Attachment B, Sections 1-3 for description of Geotechnical Evaluation.
 - 4) Salvage topsoil in accordance with approved topsoil salvage plan.
 - 5) Reclamation of the disturbed area above the high waterline shall be in accordance with the approved reclamation plan.
 - 6) Ponding area side slopes, typical 3:1 slope or flatter and blend into natural topography.

EXHIBIT # 1	
PROPOSED N9-B & B1	
SEDIMENTATION POND DESIGN	
KAYENTA MINE	
PEABODY WESTERN COAL COMPANY P. O. BOX 650 KAYENTA, ARIZONA 86033	
DESIGNED BY: GA	SCALE: AS NOTED
DRAWN BY: PEK	DRAWING DATE: 11-22-04
CHECKED BY: JGS	PHOTO DATE: 05-83
CONTOUR INTERVAL: 5 FT.	DWG FILE: POND N9-B, B1.DWG

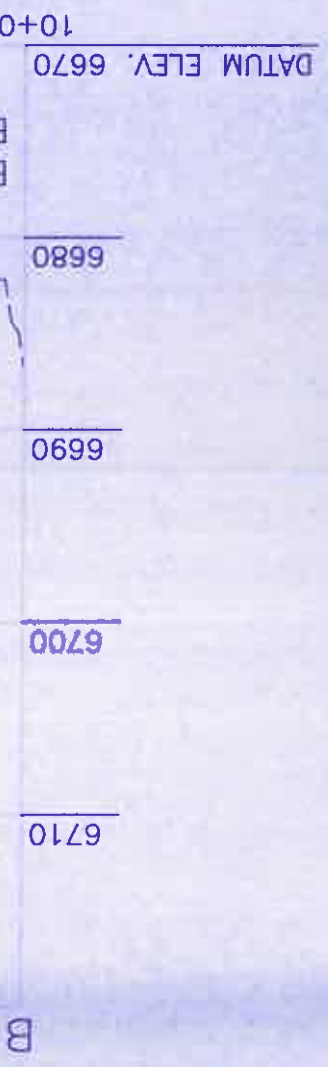
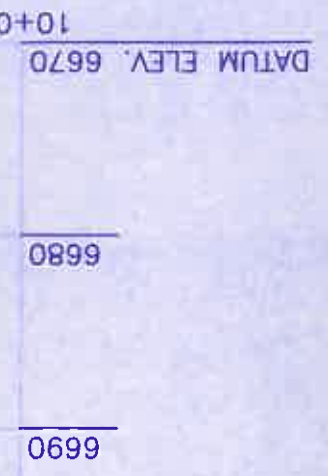
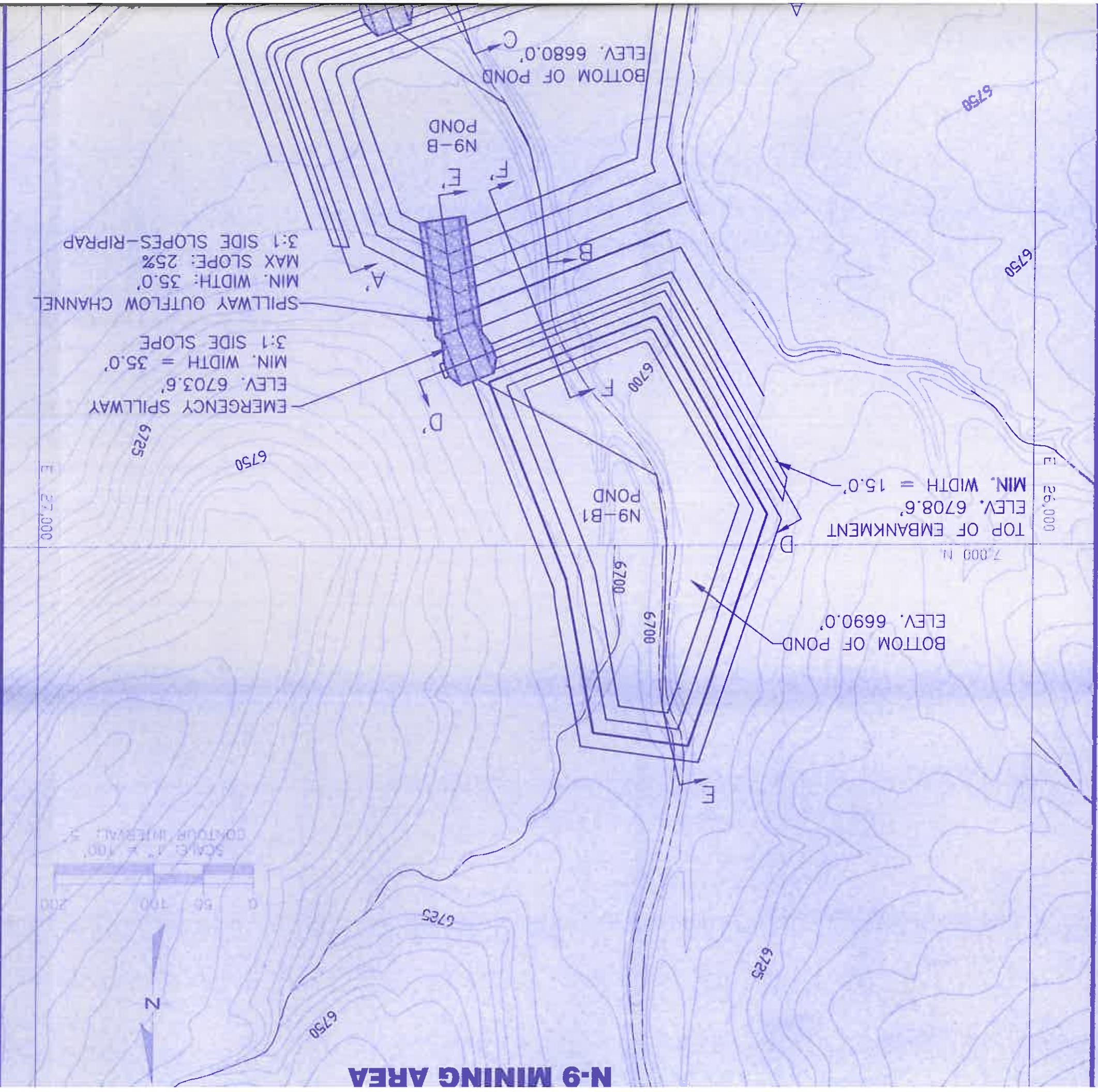


ARIZONA P.E. 18782
 Date: DEC 23 2004
 Proposed Western Coal Company
 Engineering Supervisor
 JAMES SCHLEINVOGT
 JAMES CARL SCHLEINVOGT
 REGISTERED PROFESSIONAL ENGINEER'S CERTIFICATION

6690.0	0.0	0.0	1.02	0.00	BOTTOM OF POND
6695.0	5.0	1.31	5.83	INCISED ELEV.	
6700.0	10.0	1.64	13.22		
6703.6	13.6	1.90	19.58	EMERGENCY SPILLWAY	
6705.0	15.0	2.00	22.30		
6708.6	18.6	2.83	30.99	TOP OF EMBANKMENT	

6680.0	0.0	1.18	0.00	BOTTOM OF POND
6685.0	5.0	1.48	6.60	INCISED ELEV.
6690.0	10.0	1.83	14.88	
6692.4	12.4	2.06	19.56	EMERGENCY SPILLWAY
6695.0	15.0	2.31	25.24	
6697.4	17.4	2.69	31.25	TOP OF EMBANKMENT

N-9 MINING AREA

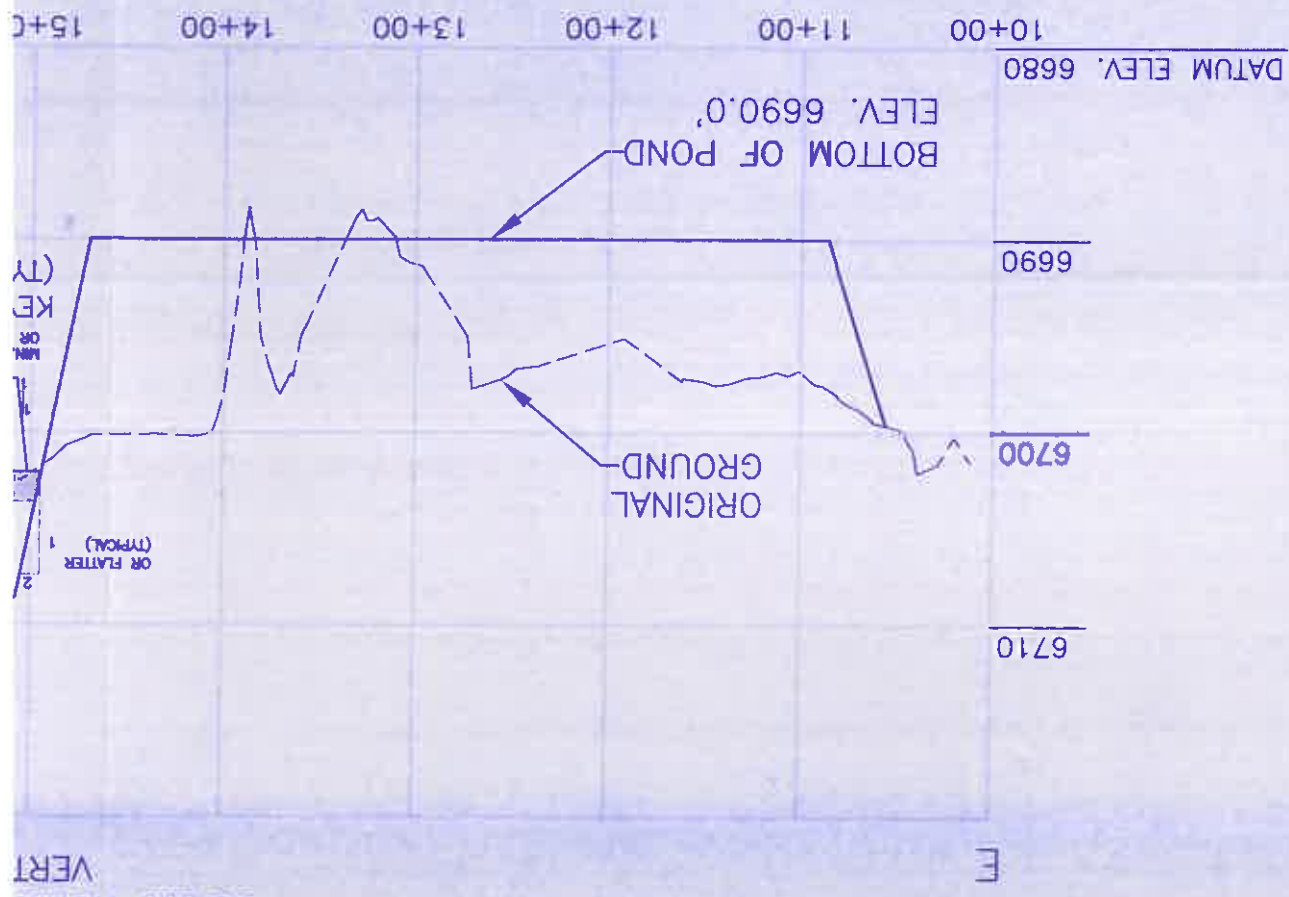


SECTION VE
SCALE: HOR
ELEV. 6697.4'
TOP OF EMBANK

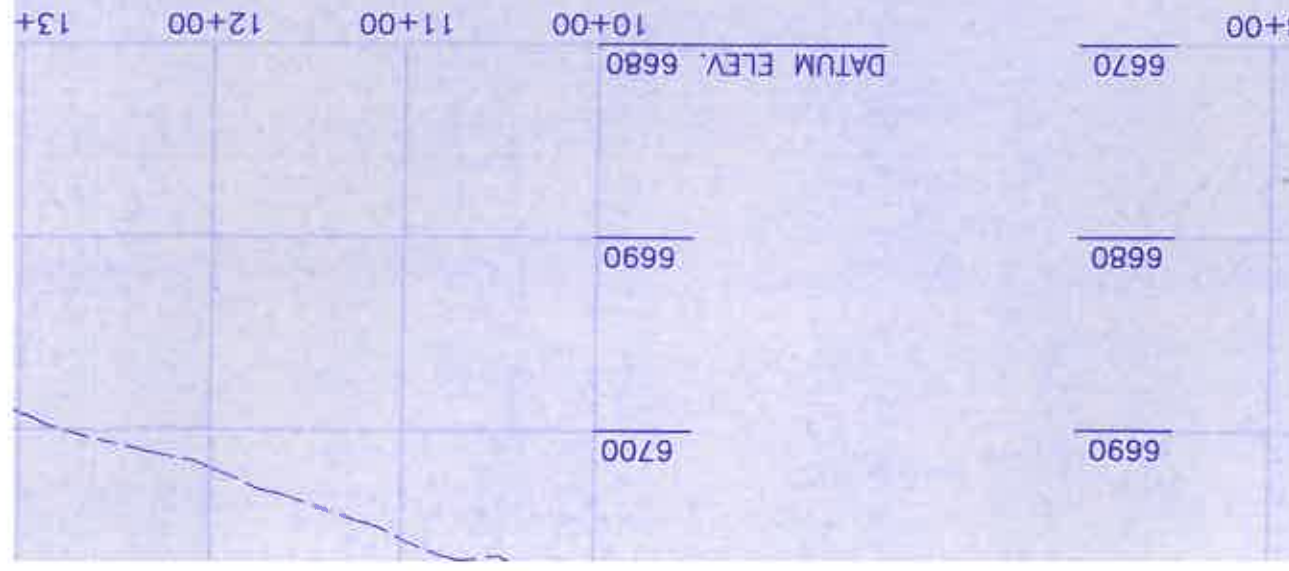
DESCRIPTION	TOTAL CAPACITY (ac-ft)	AREA (acres)	STAGE (ft)	ELEVATION (ft-msl)
BOTTOM OF POND	0.00	1.16	0.0	6680.0

N9-B POND STAGE CAPACITY TABLE

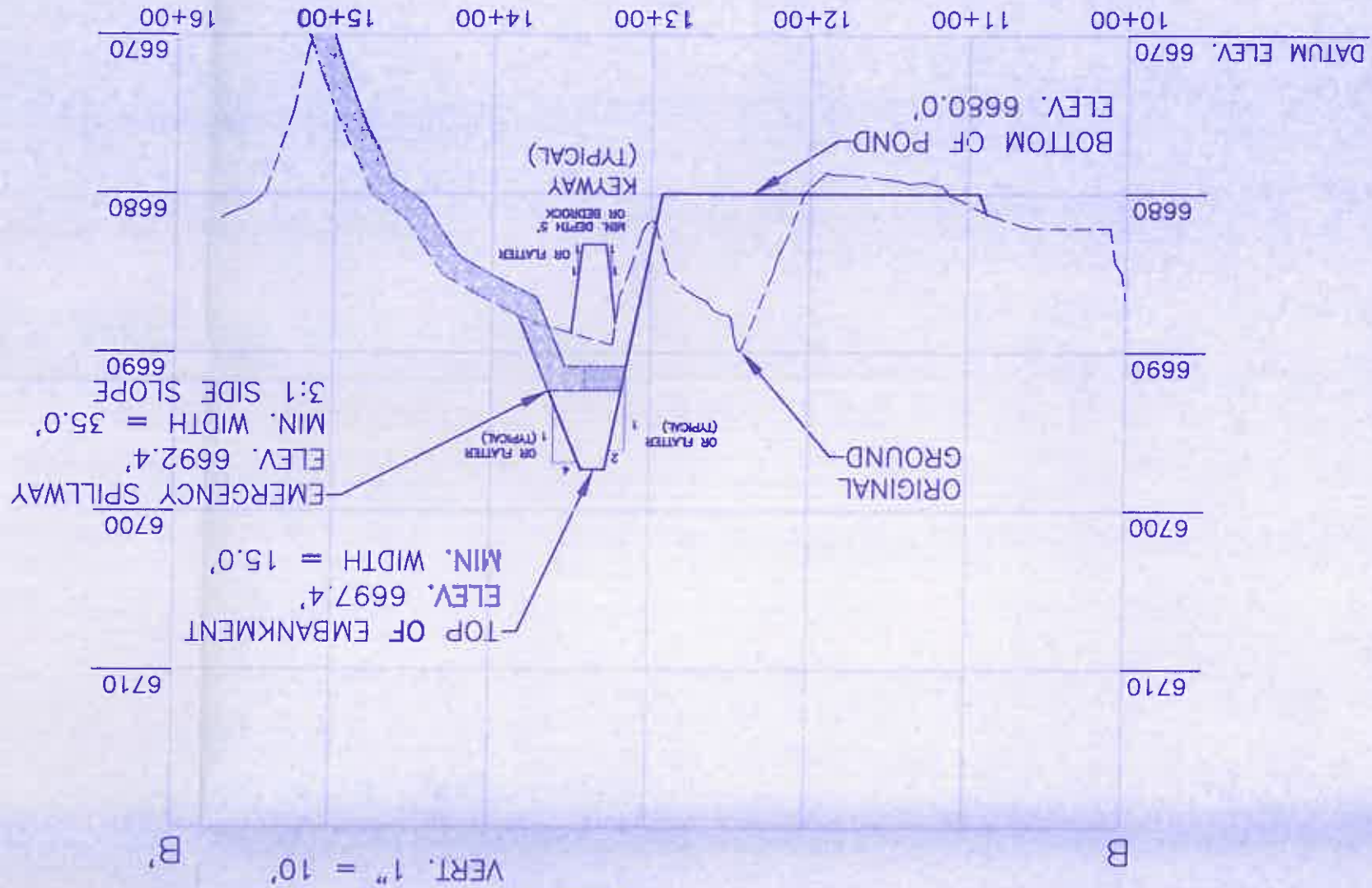
SECTION E - E'
 SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'



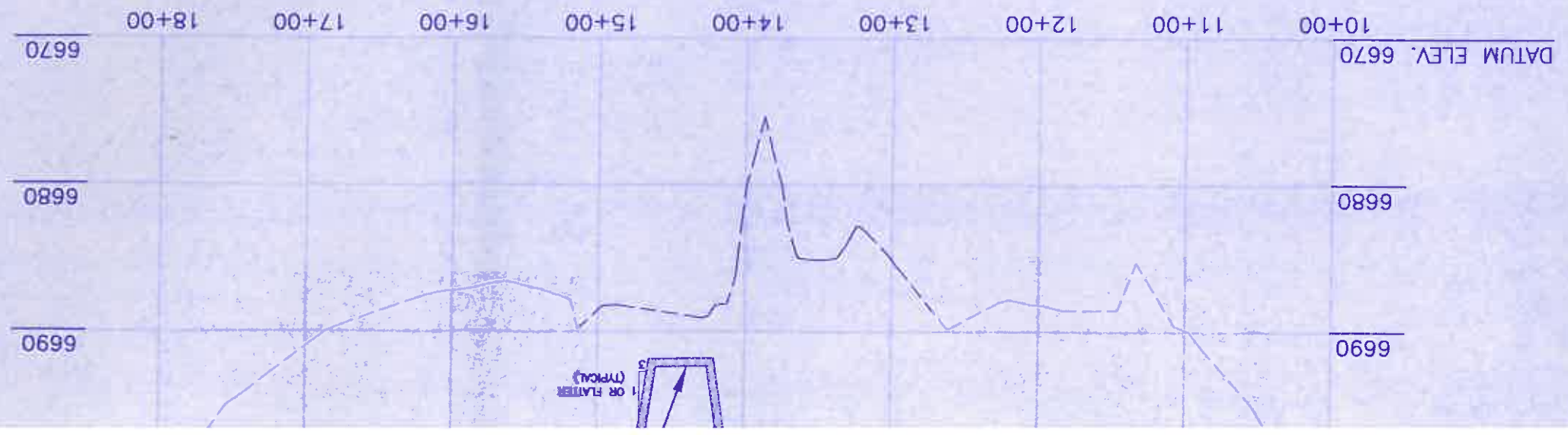
SECTION E - E'



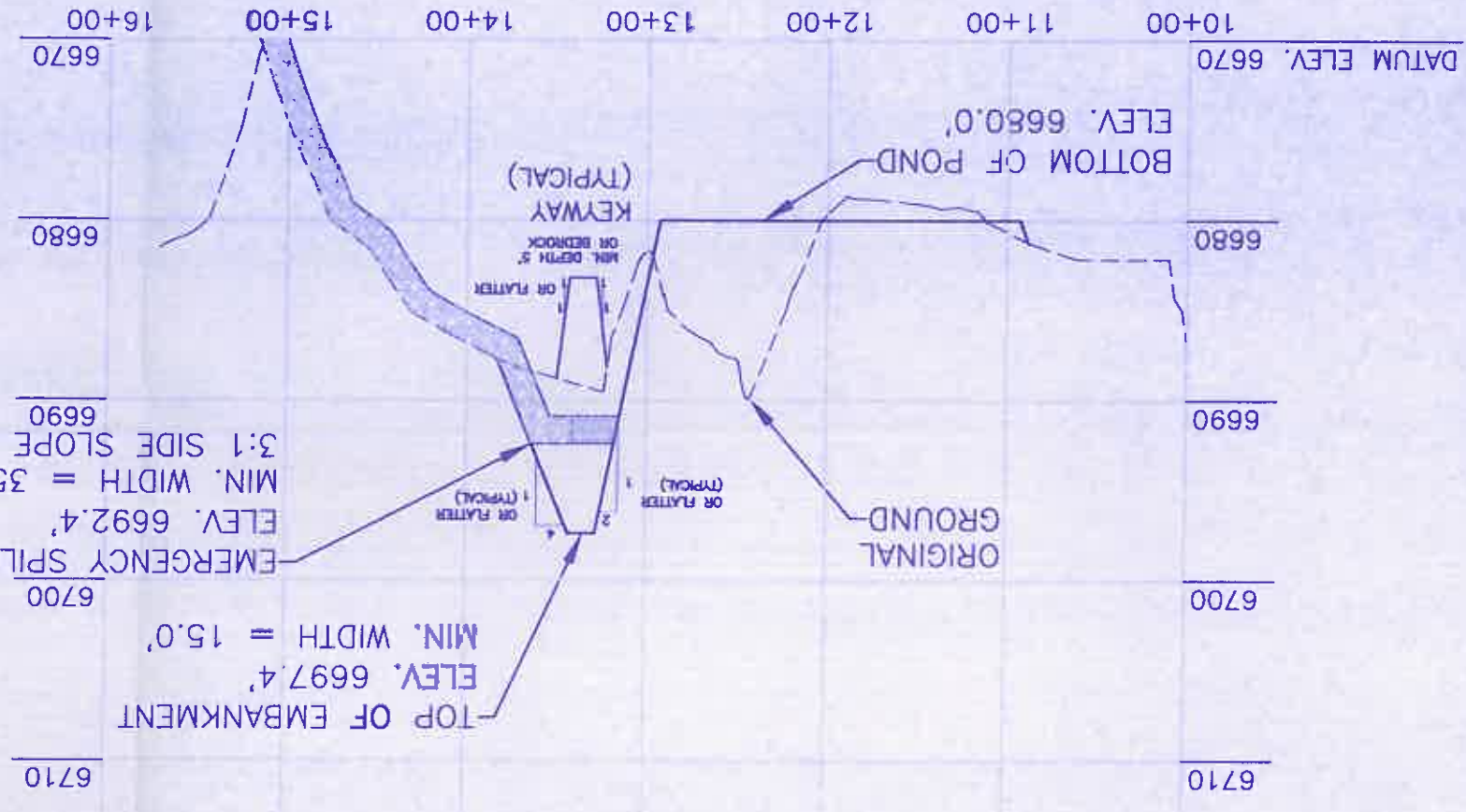
SECTION B - B'
 SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'



SECTION A - A'



SECTION C - C'
 SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'

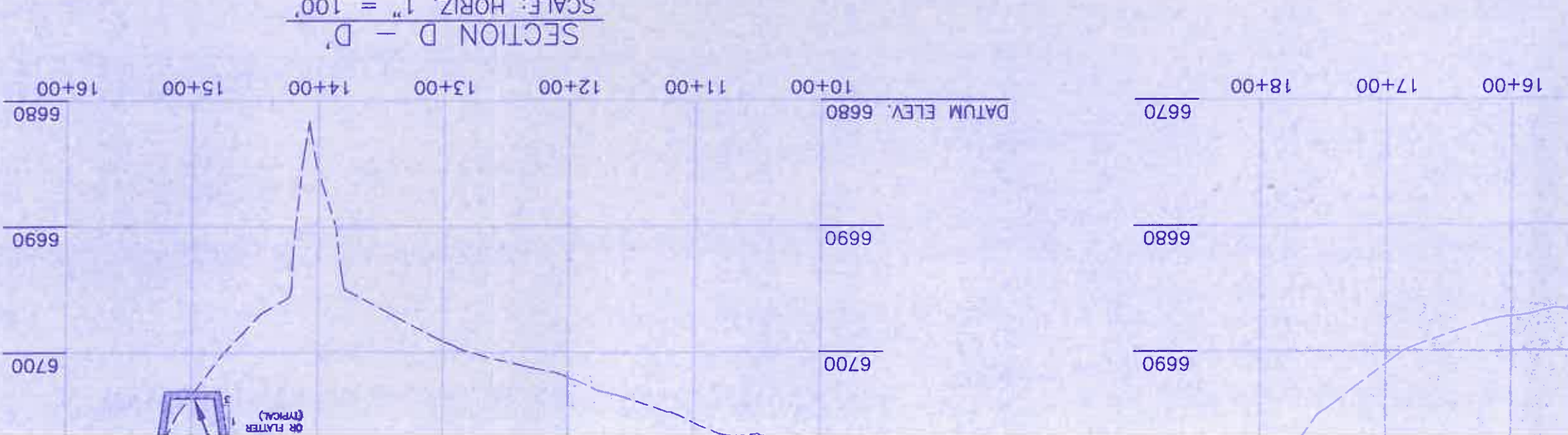
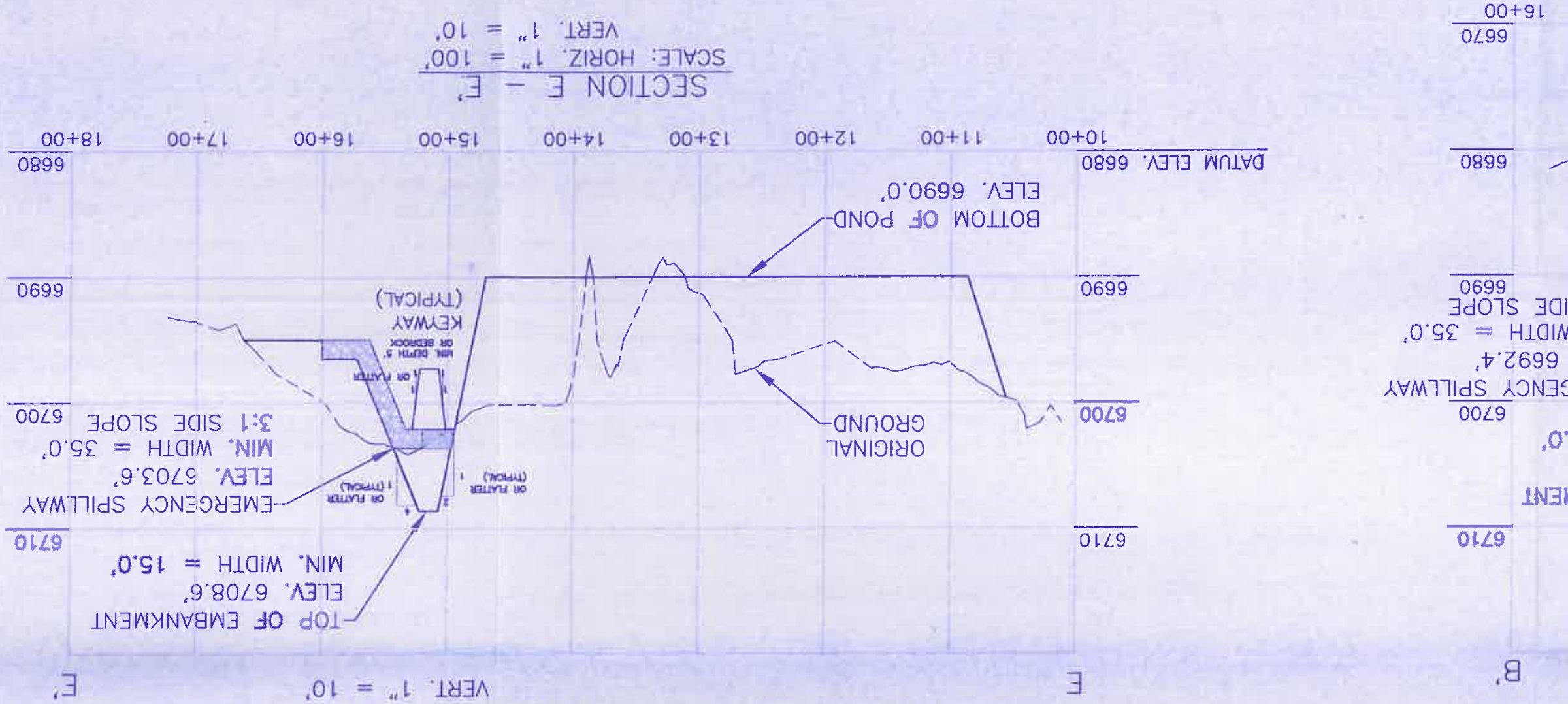


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N9-B1 POND STAGE CAPACITY TABLE				N9-B POND STAGE CAPACITY TABLE			
DESCRIPTION	TOTAL CAPACITY (ac-ft)	AREA (acres)	ELEVATION (ft-msl)	DESCRIPTION	TOTAL CAPACITY (ac-ft)	AREA (acres)	ELEVATION (ft-msl)
BOTTOM OF POND	0.00	1.02	0.0	BOTTOM OF POND	0.00	1.16	0.0
	6680.0	6690.0	6690.0		6680.0	6690.0	6680.0

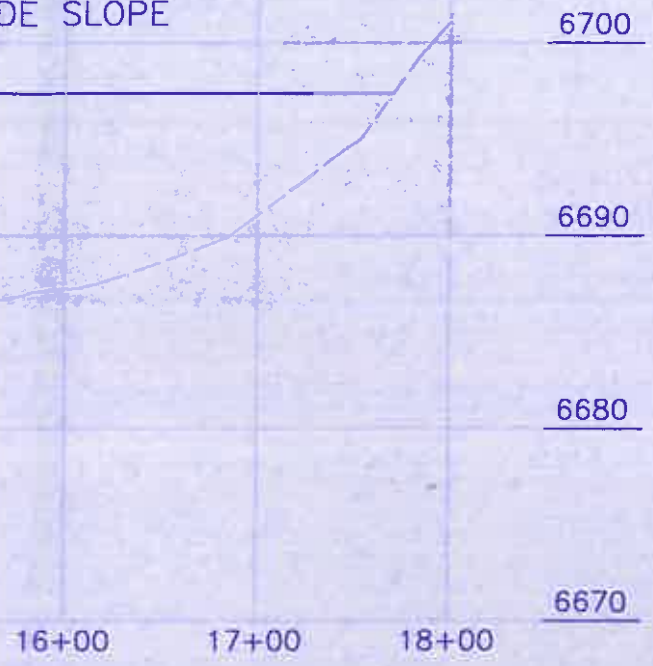
N9-B1 POND STAGE CAPACITY TABLE

N9-B POND STAGE CAPACITY TABLE



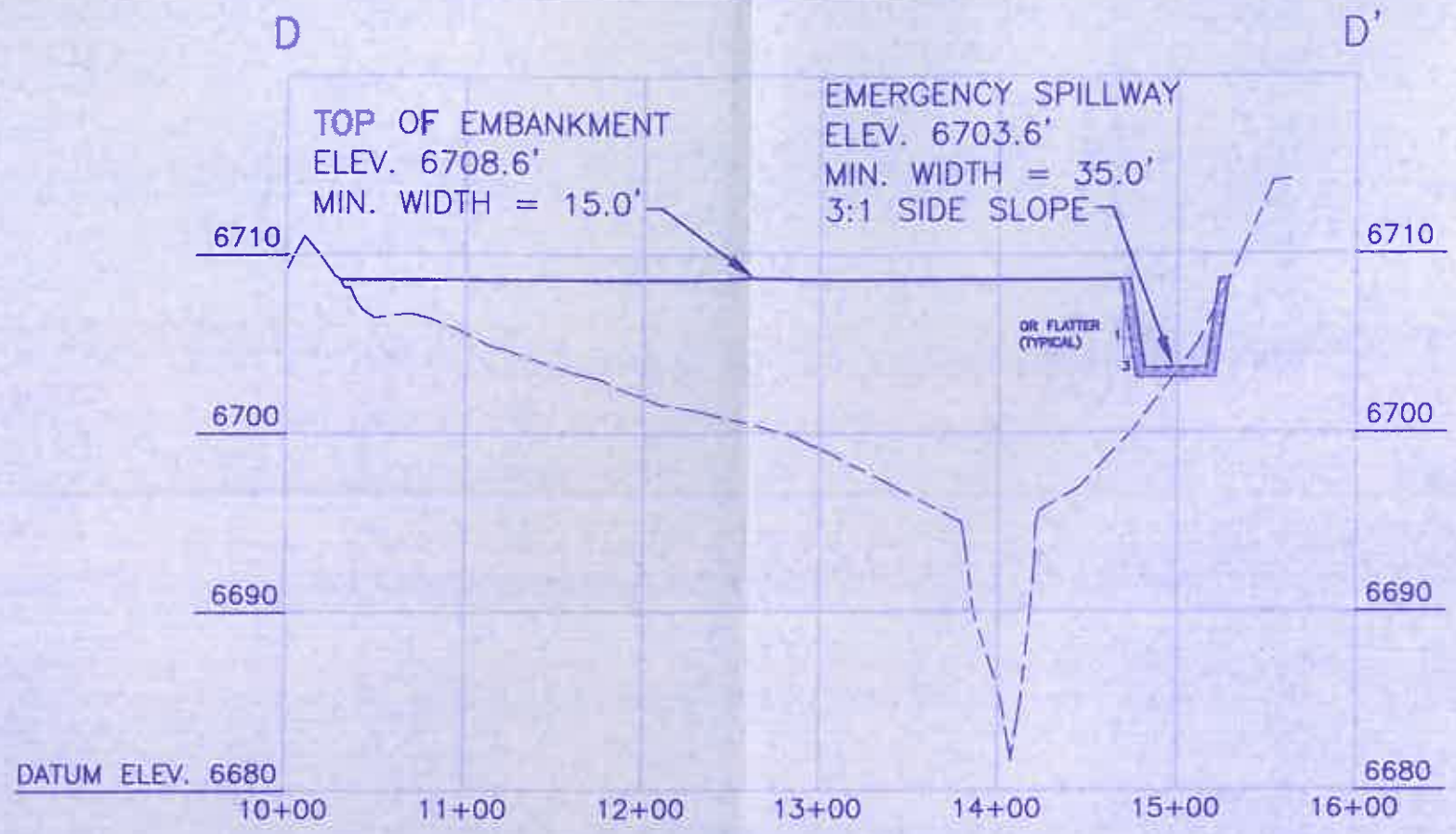
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EMERGENCY SPILLWAY
 ELEV. 6692.4'
 WIDTH = 35.0'
 3:1 SIDE SLOPE



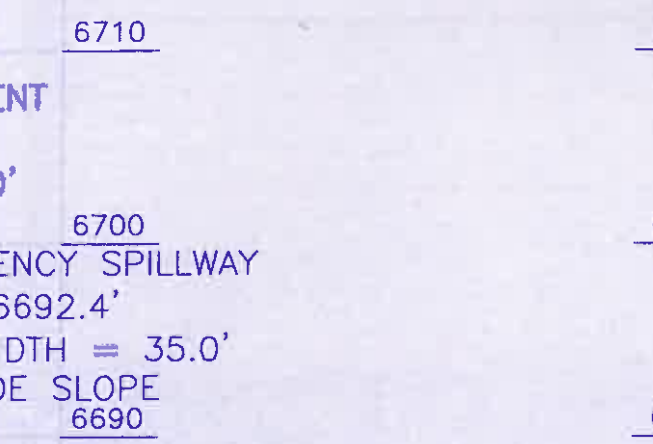
TOP OF EMBANKMENT
 ELEV. 6708.6'
 MIN. WIDTH = 15.0'

EMERGENCY SPILLWAY
 ELEV. 6703.6'
 MIN. WIDTH = 35.0'
 3:1 SIDE SLOPE



SECTION D - D'
 SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'

EMERGENCY SPILLWAY
 ELEV. 6692.4'
 WIDTH = 35.0'
 3:1 SIDE SLOPE

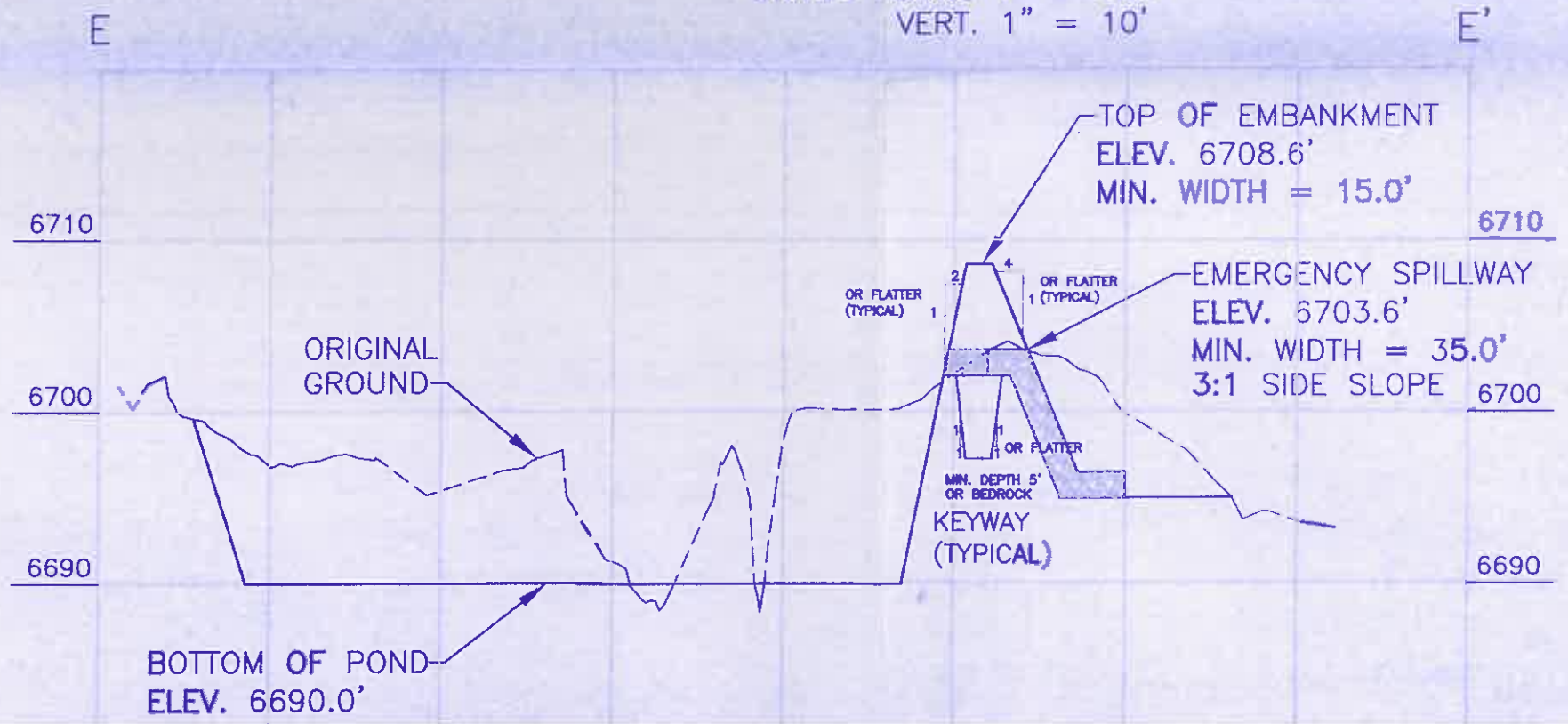


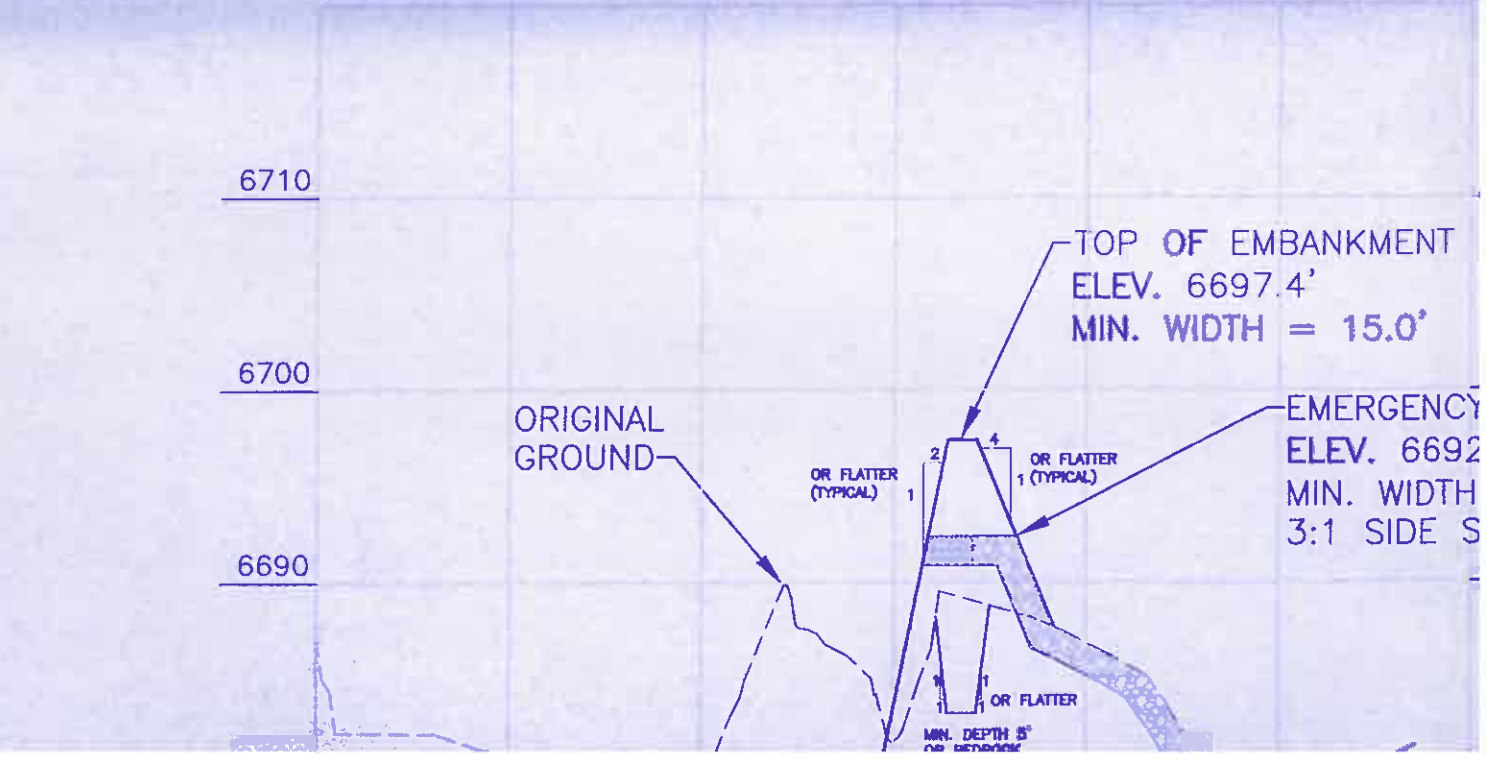
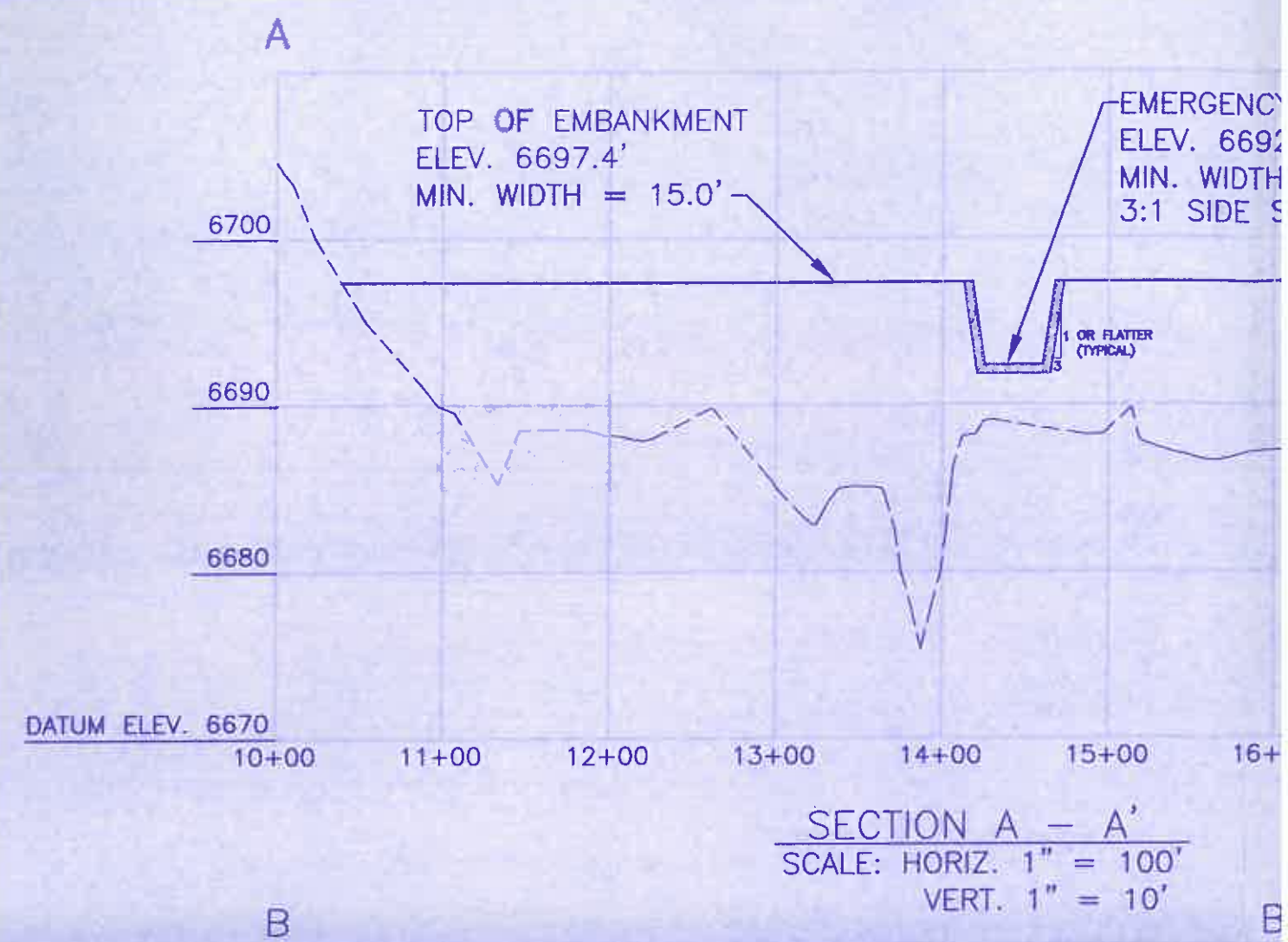
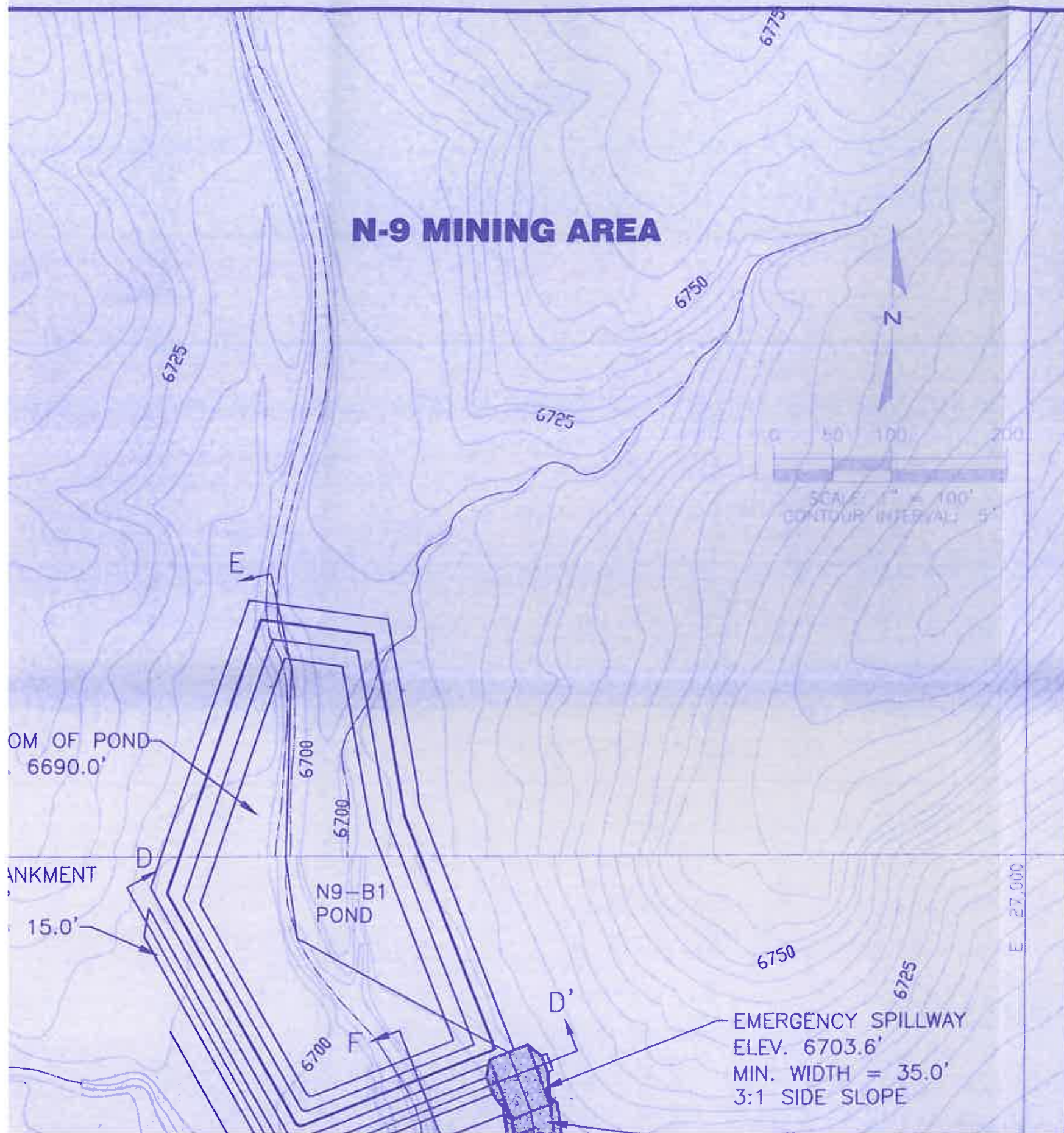
ORIGINAL GROUND

TOP OF EMBANKMENT
 ELEV. 6708.6'
 MIN. WIDTH = 15.0'

EMERGENCY SPILLWAY
 ELEV. 6703.6'
 MIN. WIDTH = 35.0'
 3:1 SIDE SLOPE

BOTTOM OF POND
 ELEV. 6690.0'





N-9 MINING AREA



BOTTOM OF POND
ELEV. 6690.0'

7,000 N.
TOP OF EMBANKMENT
ELEV. 6708.6'
MIN. WIDTH = 15.0'

N9-B1
POND

EMERGENCY SPILLWAY
ELEV. 6703.6'
MIN. WIDTH = 35.0'
3:1 SIDE SLOPE

A

TOP OF EMBANKMENT
ELEV. 6697.4'
MIN. WIDTH = 15.0'

DATUM ELEV. 6670



B

ORIGINAL
GROUND

