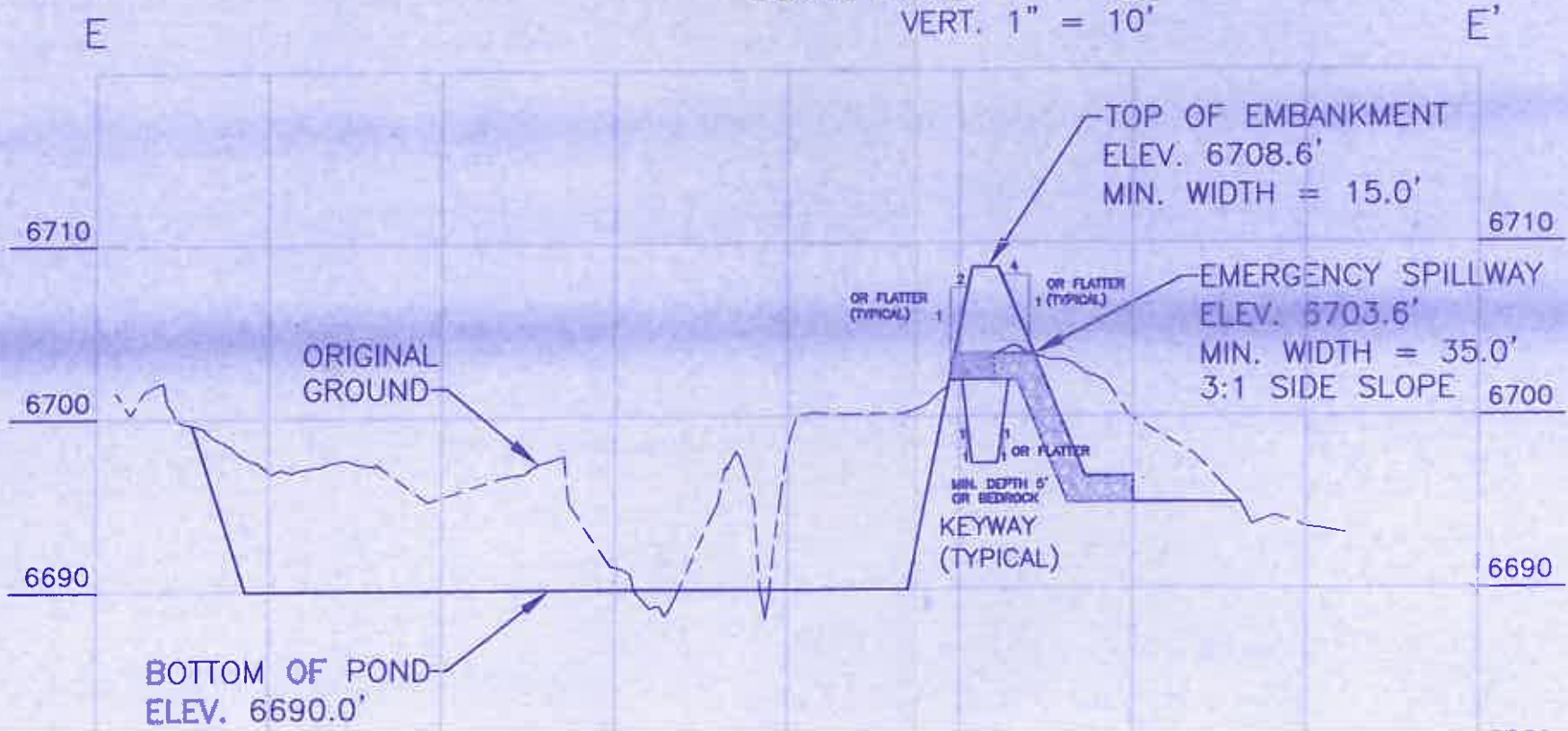
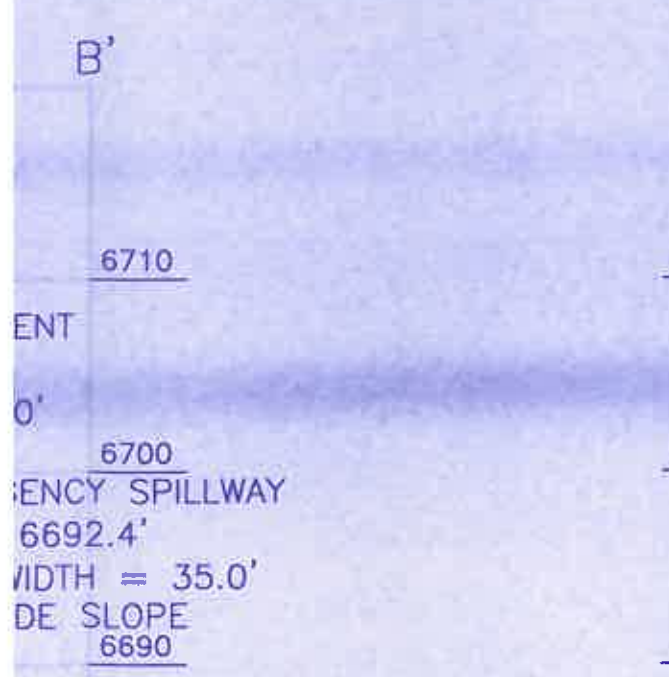
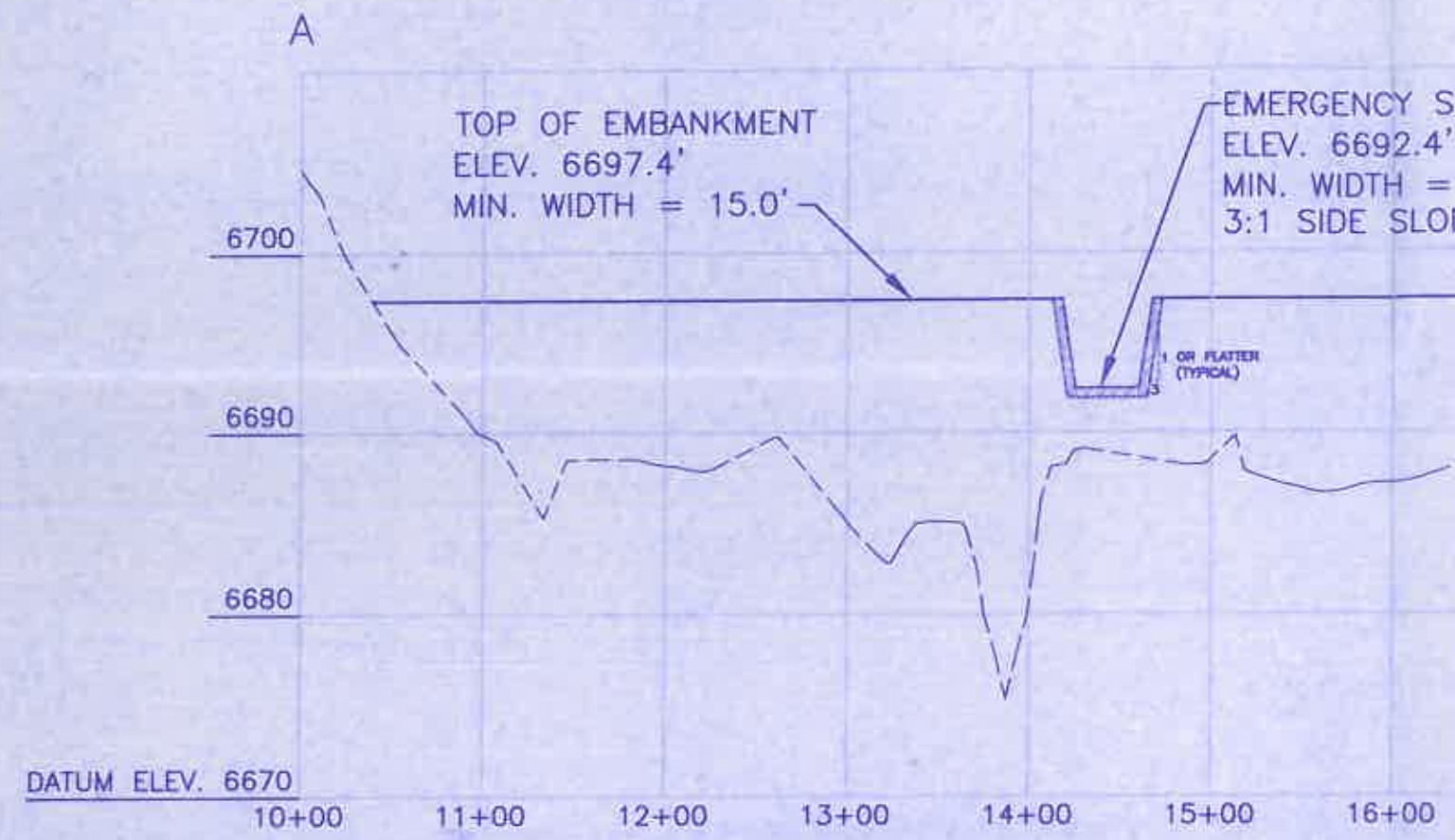
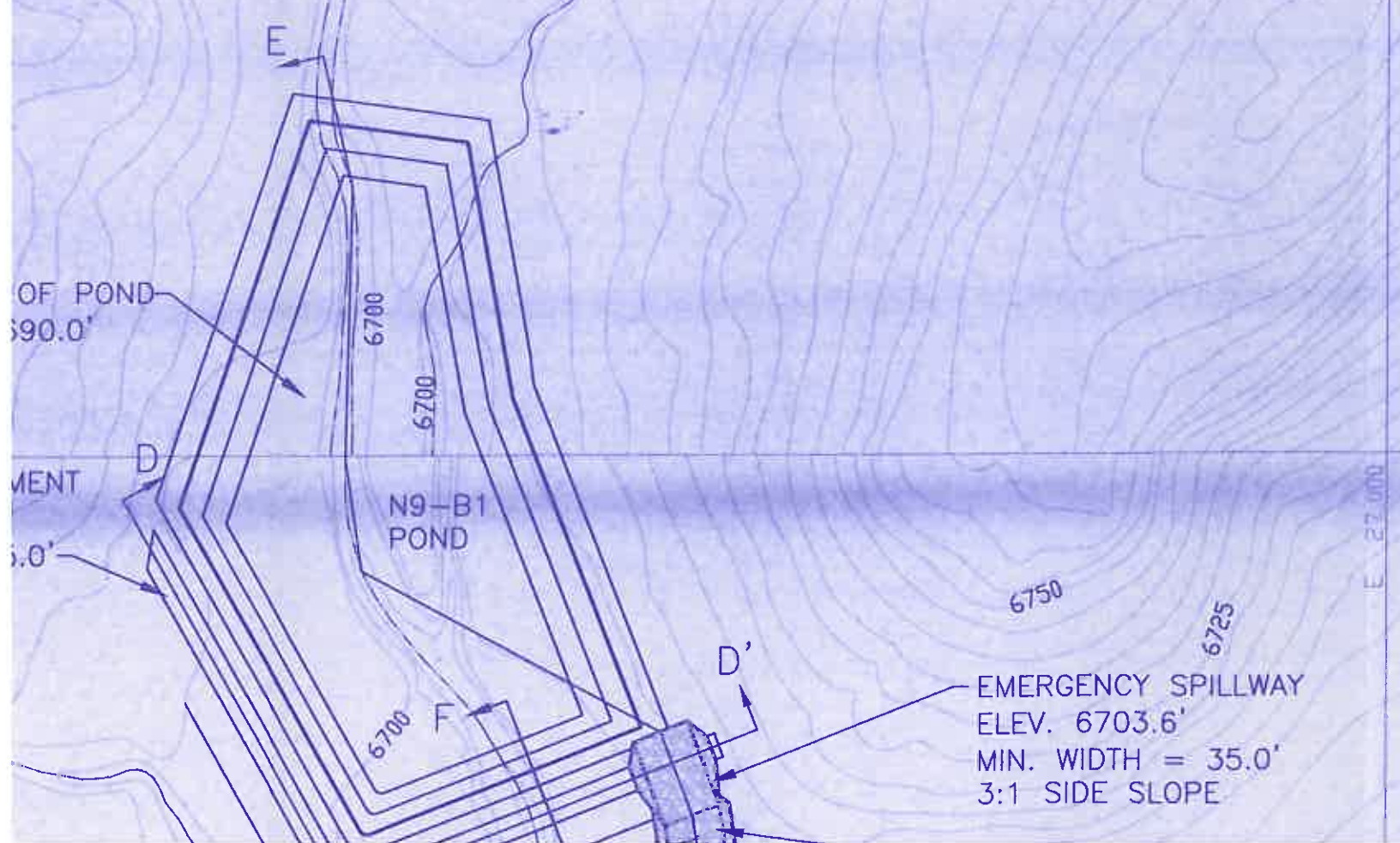


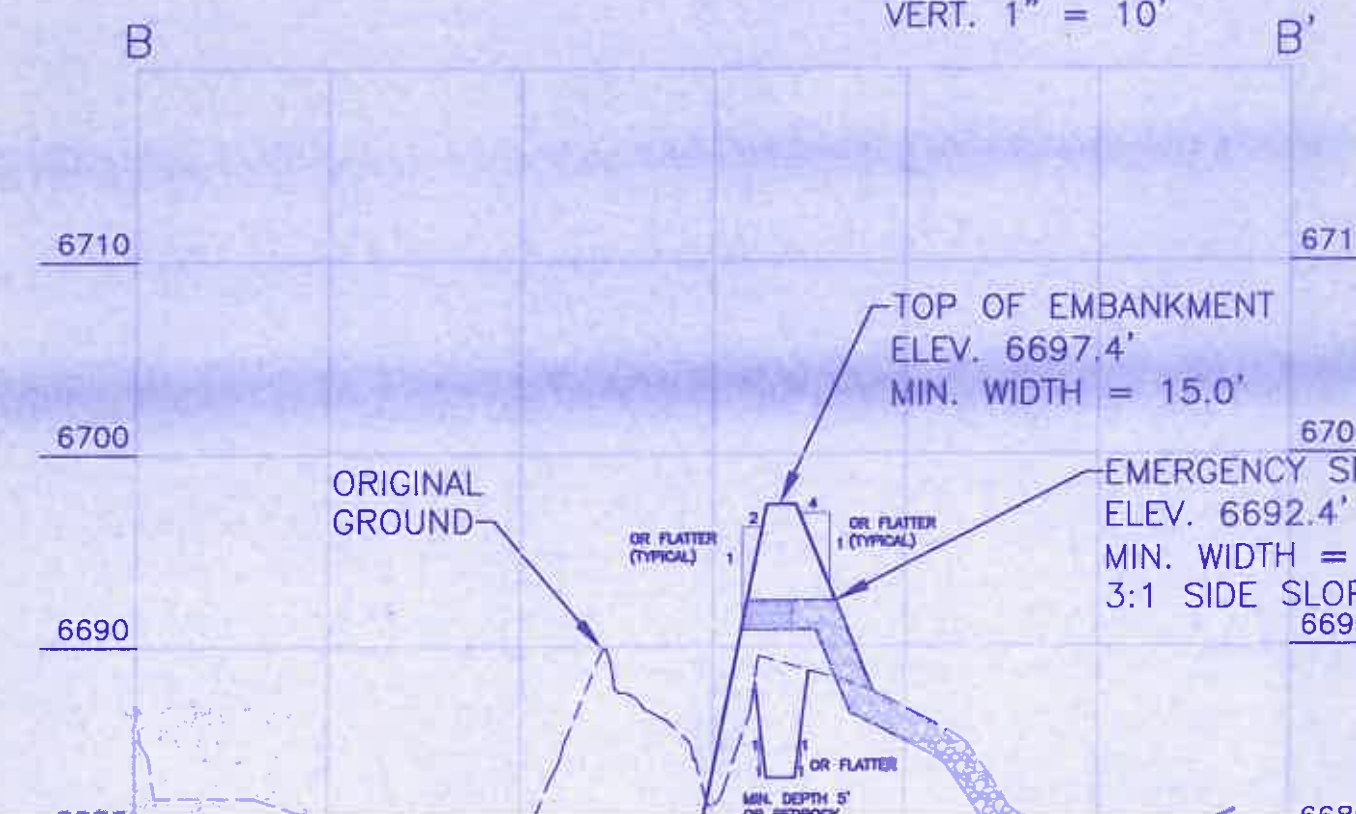
SECTION D - D'
SCALE: HORIZ. 1" = 100'
VERT. 1" = 10'



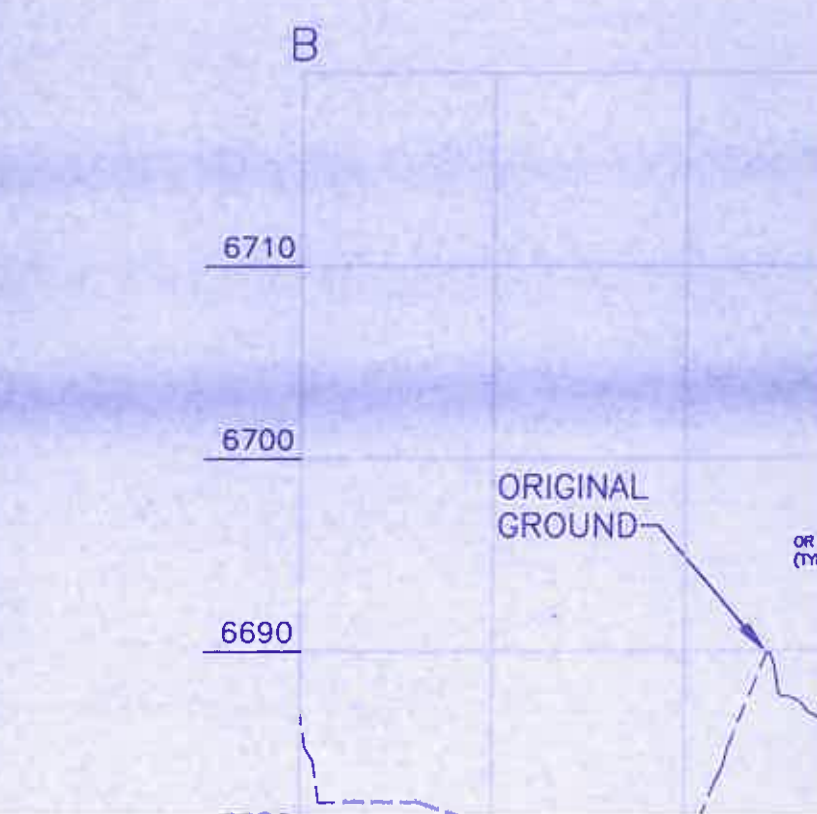
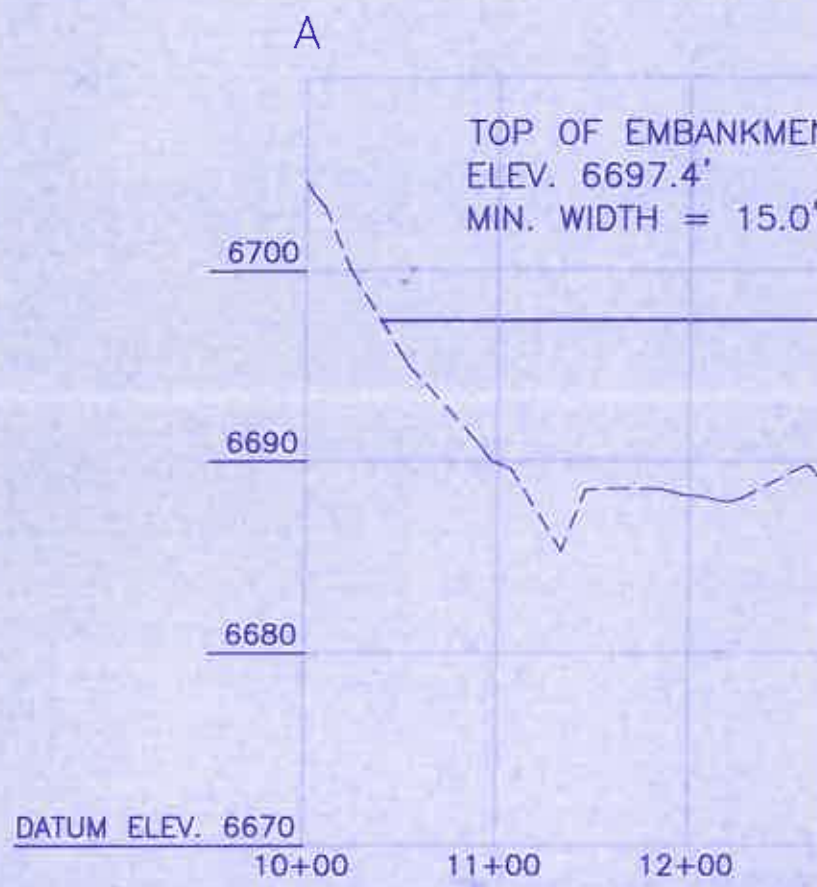
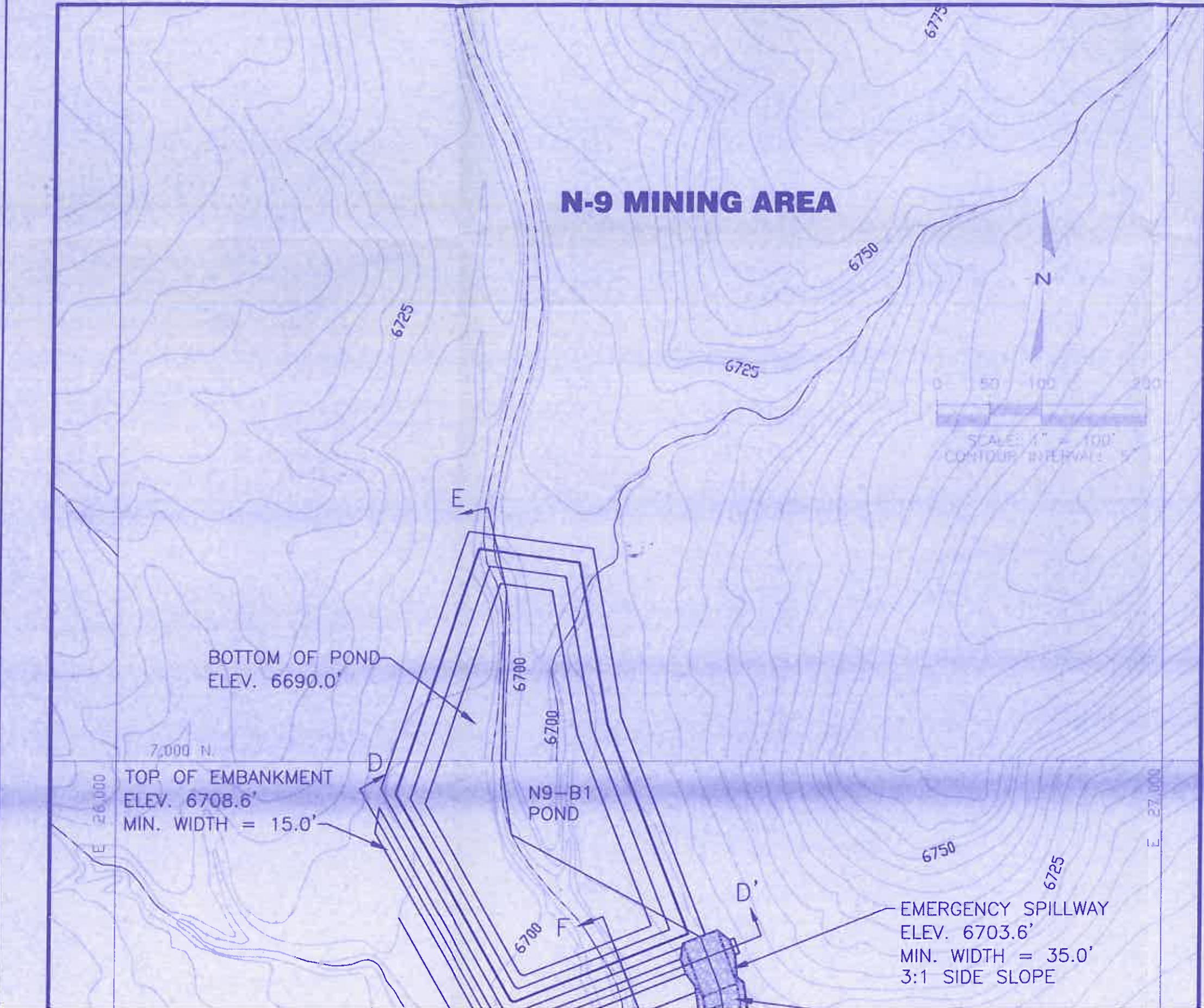
N-9 MINING AREA

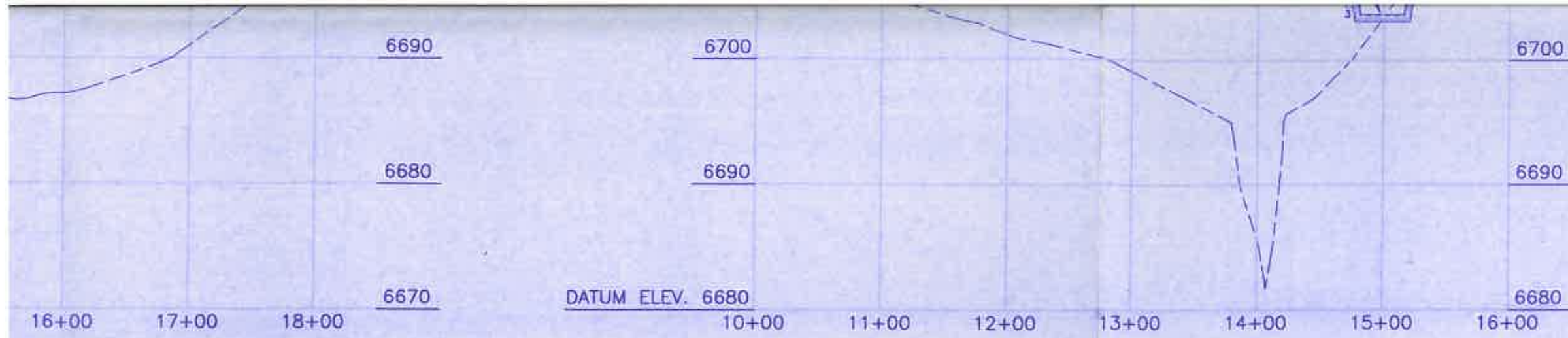


SECTION A - A'
SCALE: HORIZ. 1" = 100'
VERT. 1" = 10'

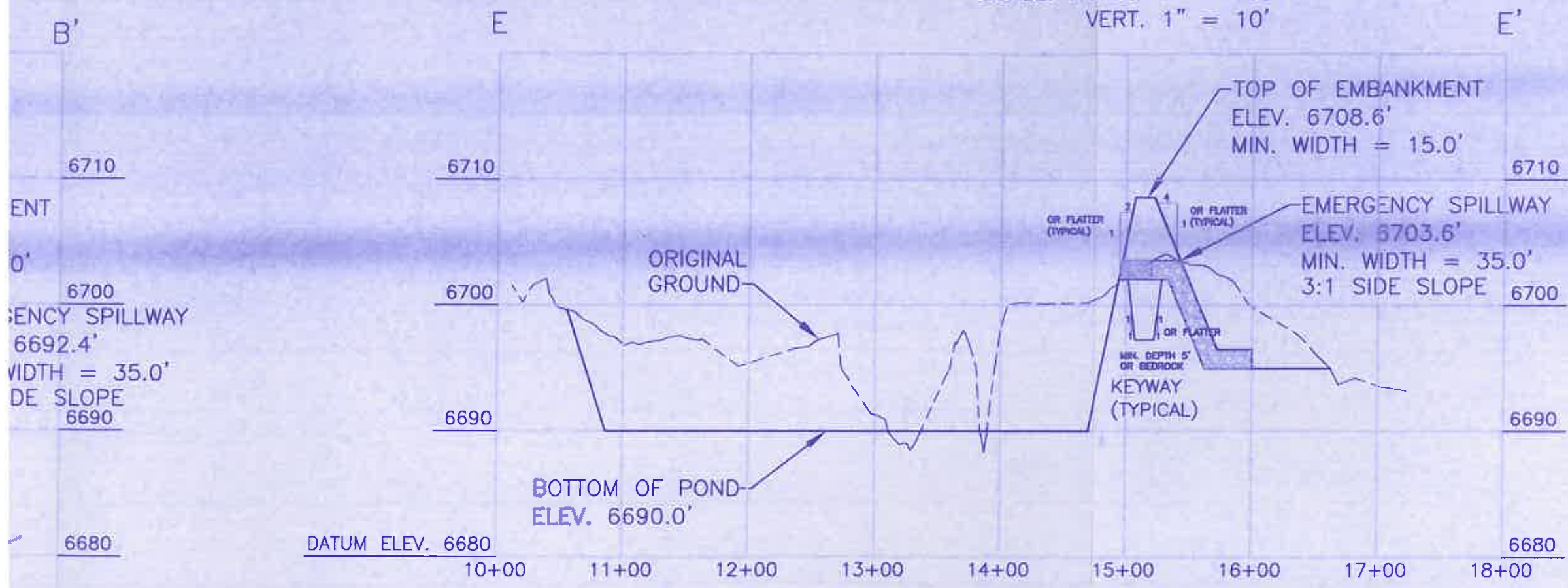


N-9 MINING AREA





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



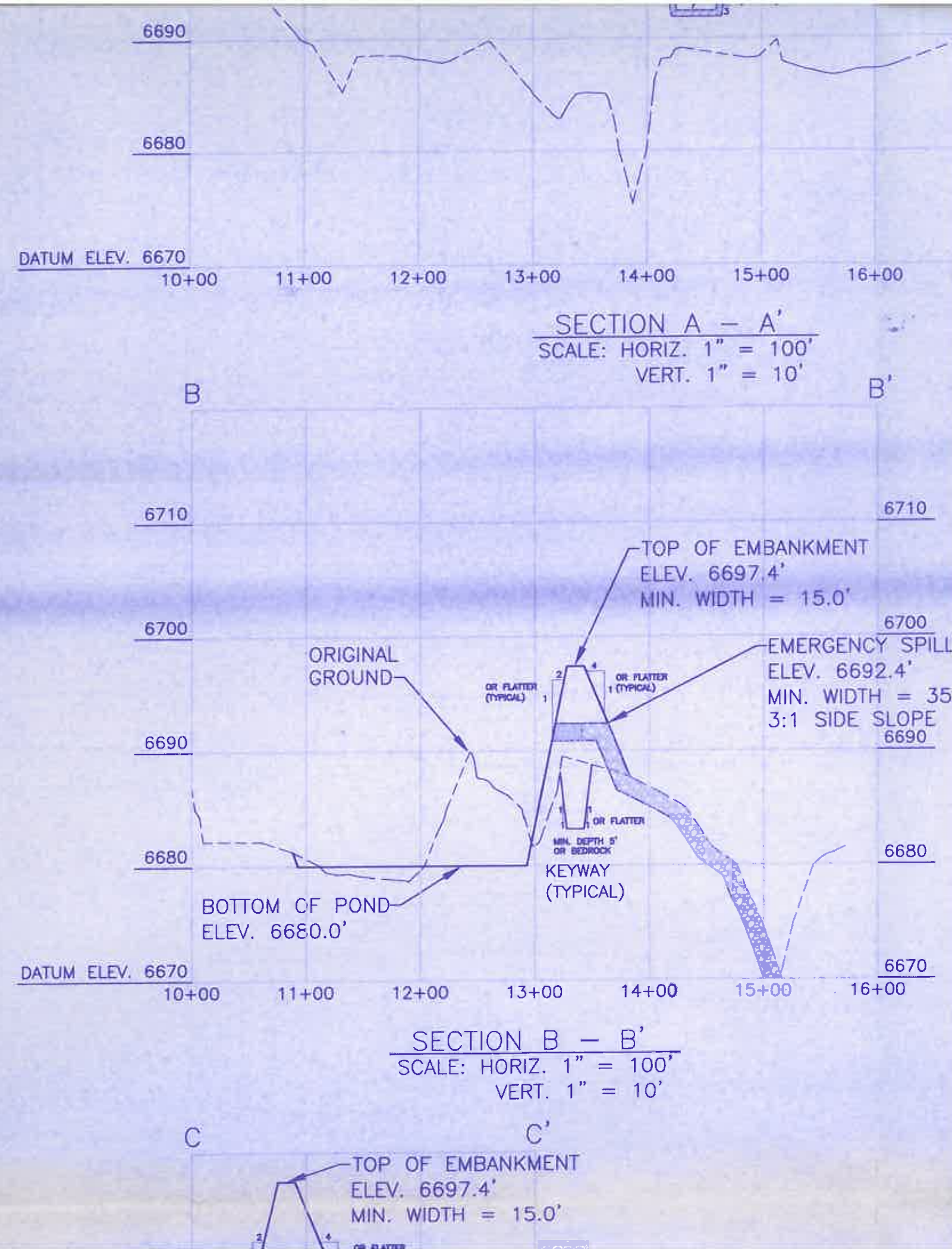
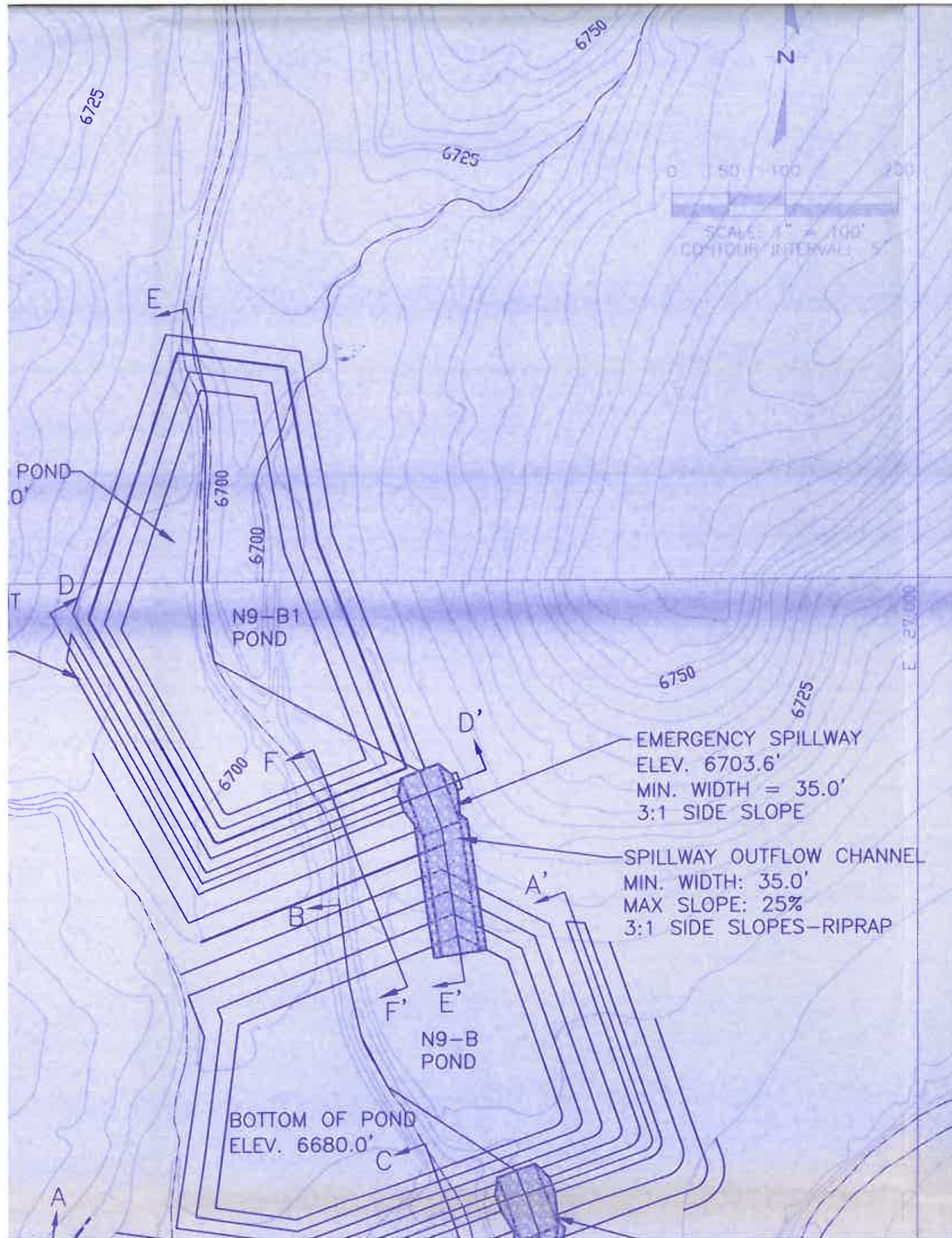
SECTION E - E'
 SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'

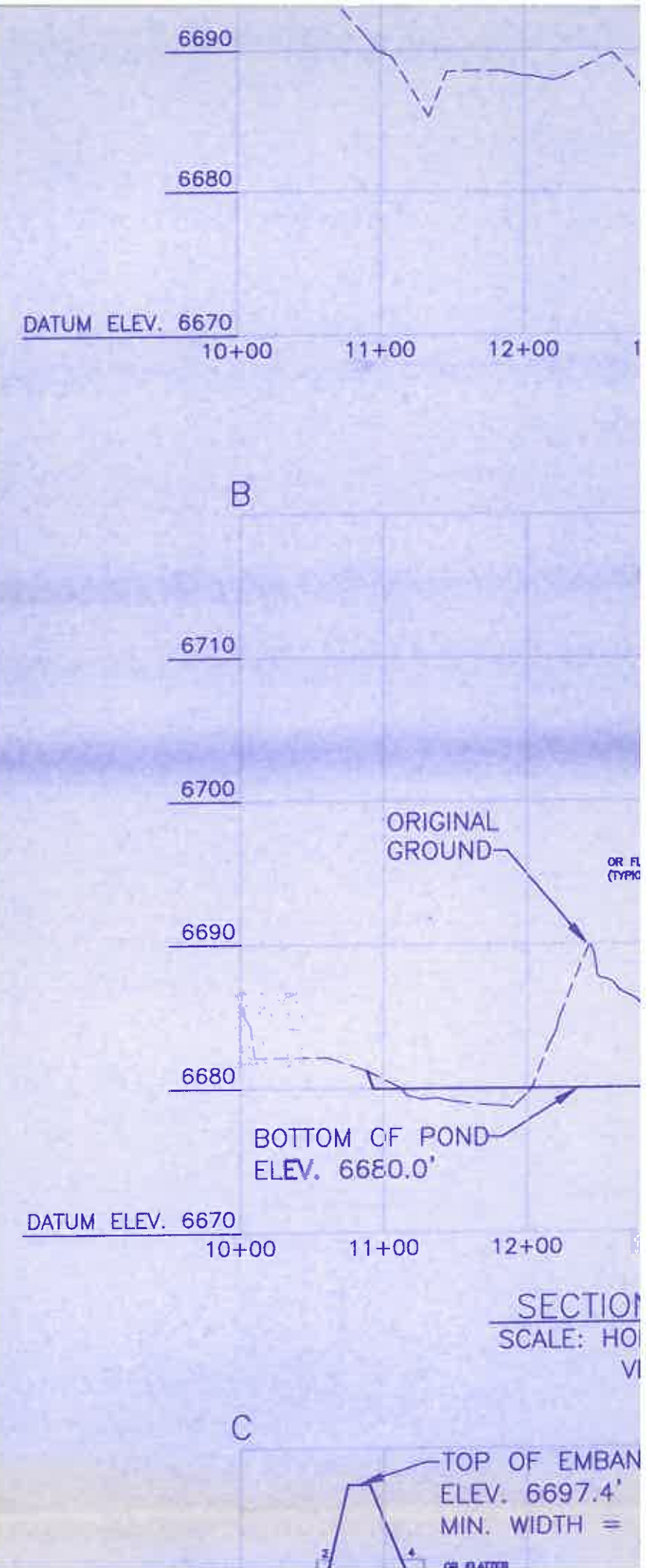
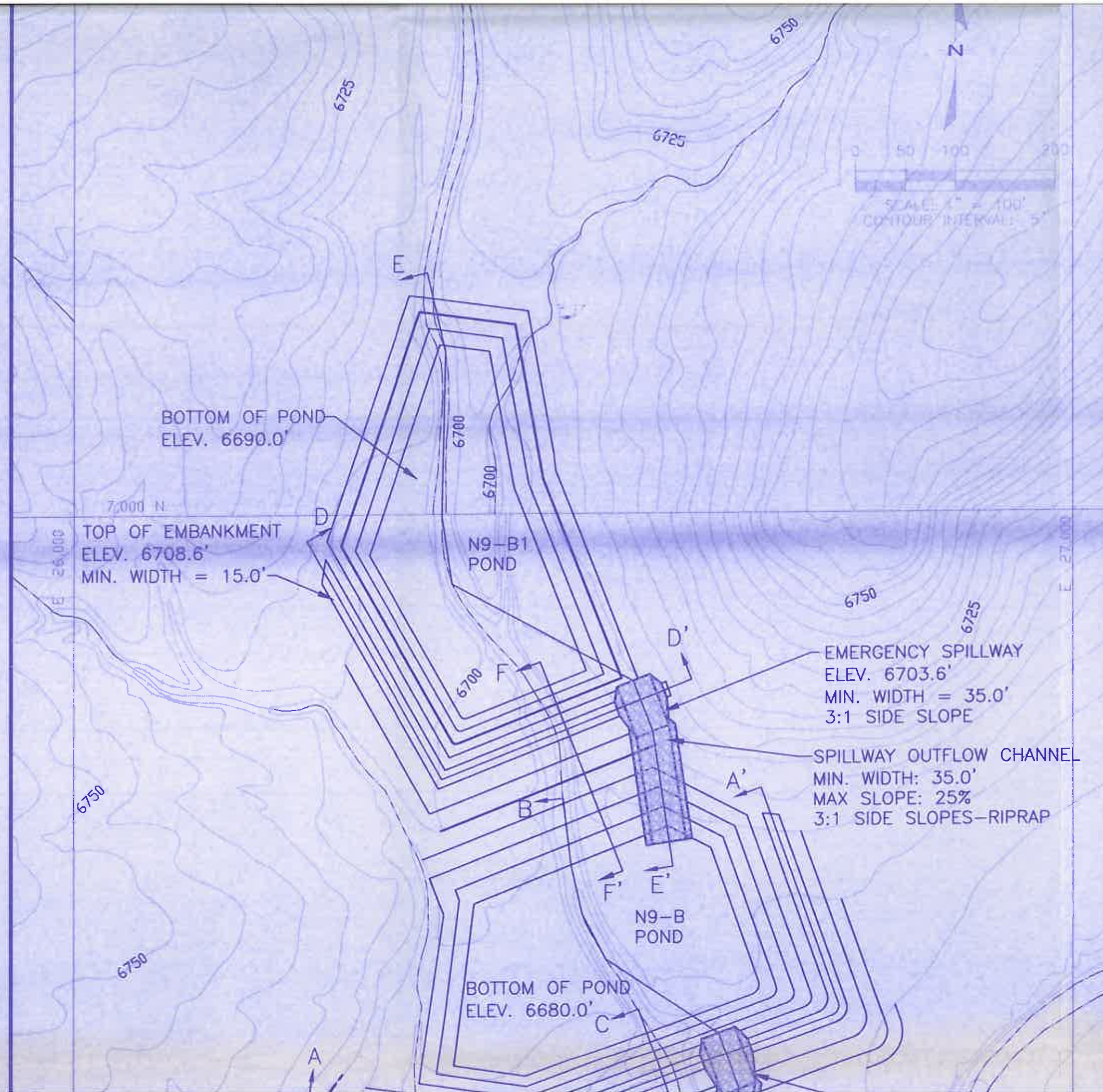
N9-B POND STAGE CAPACITY TABLE

N9-B1 POND STAGE CAPACITY TABLE

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6680.0	0.0	1.16	0.00	BOTTOM OF POND
6685.0	5.0	1.48	6.60	INCISED FLEV

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6690.0	0.0	1.02	0.00	BOTTOM OF POND
6695.0	5.0	1.31	5.83	INCISED FLEV

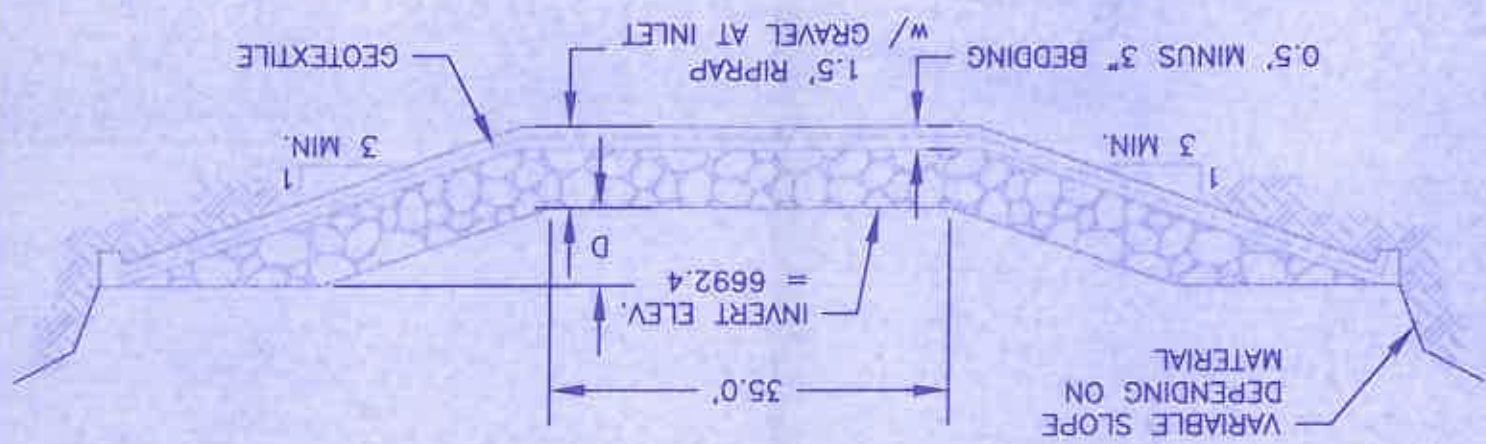




SECTION OF EMERGENCY SPILLWAY

NOT TO SCALE
N9-B POND

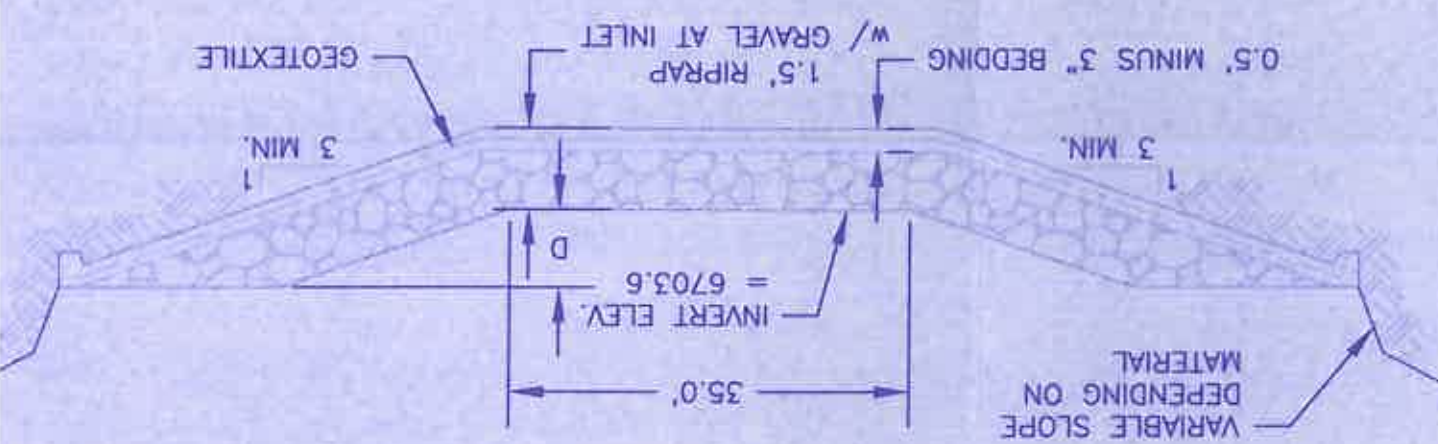
SPILLWAY MIN. D=2.5'
OUTFLOW CHANNEL MIN. D=2.0'



SECTION OF EMERGENCY SPILLWAY

NOT TO SCALE
N9-B1 POND

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

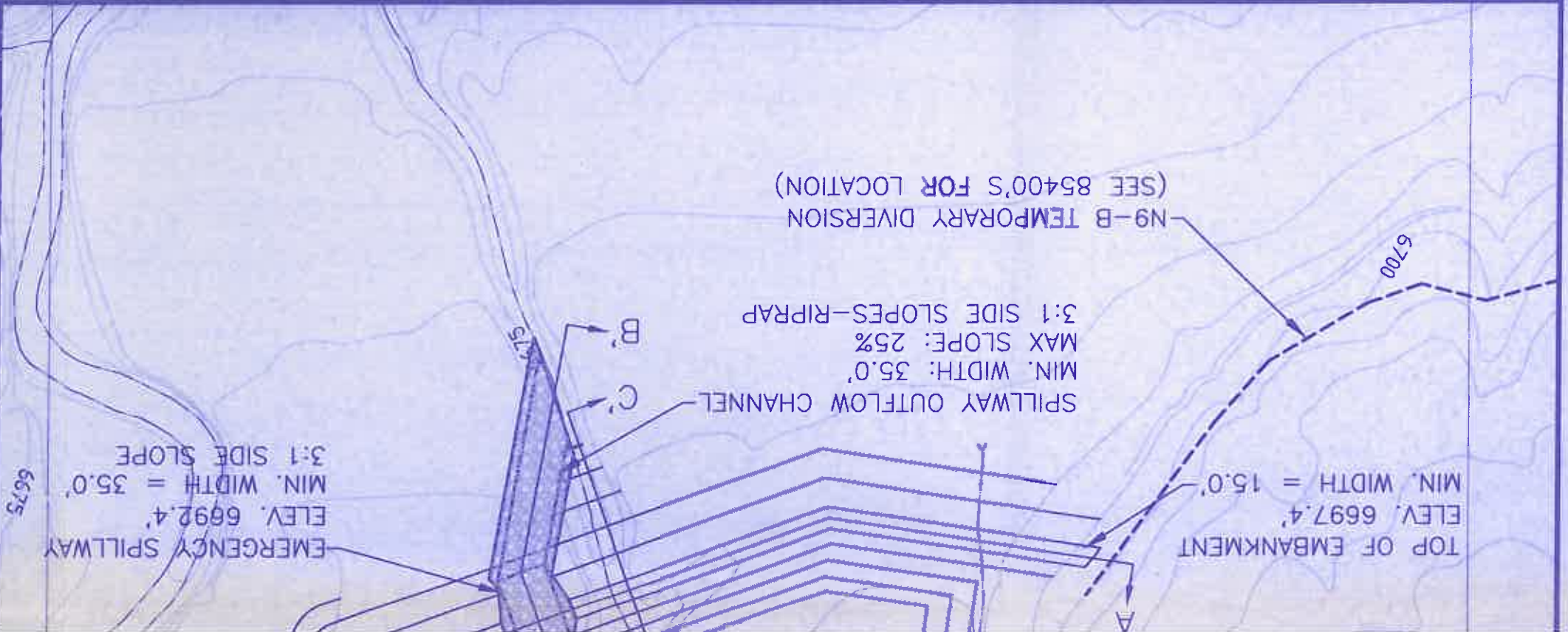


N9-B TEMPORARY DIVERSION
(SEE 85400'S FOR LOCATION)

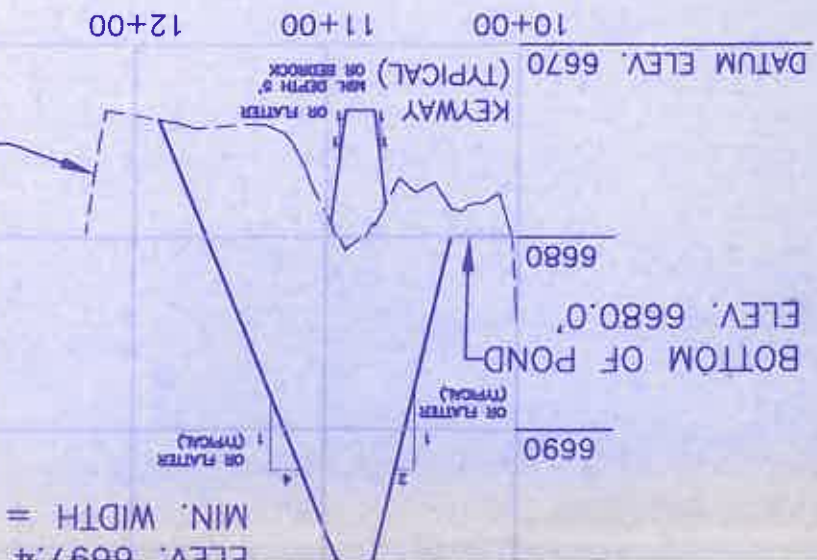
SPILLWAY OUTFLOW CHANNEL
MIN. WIDTH: 35.0'
MAX SLOPE: 25%
3:1 SIDE SLOPES-RIPRAP

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

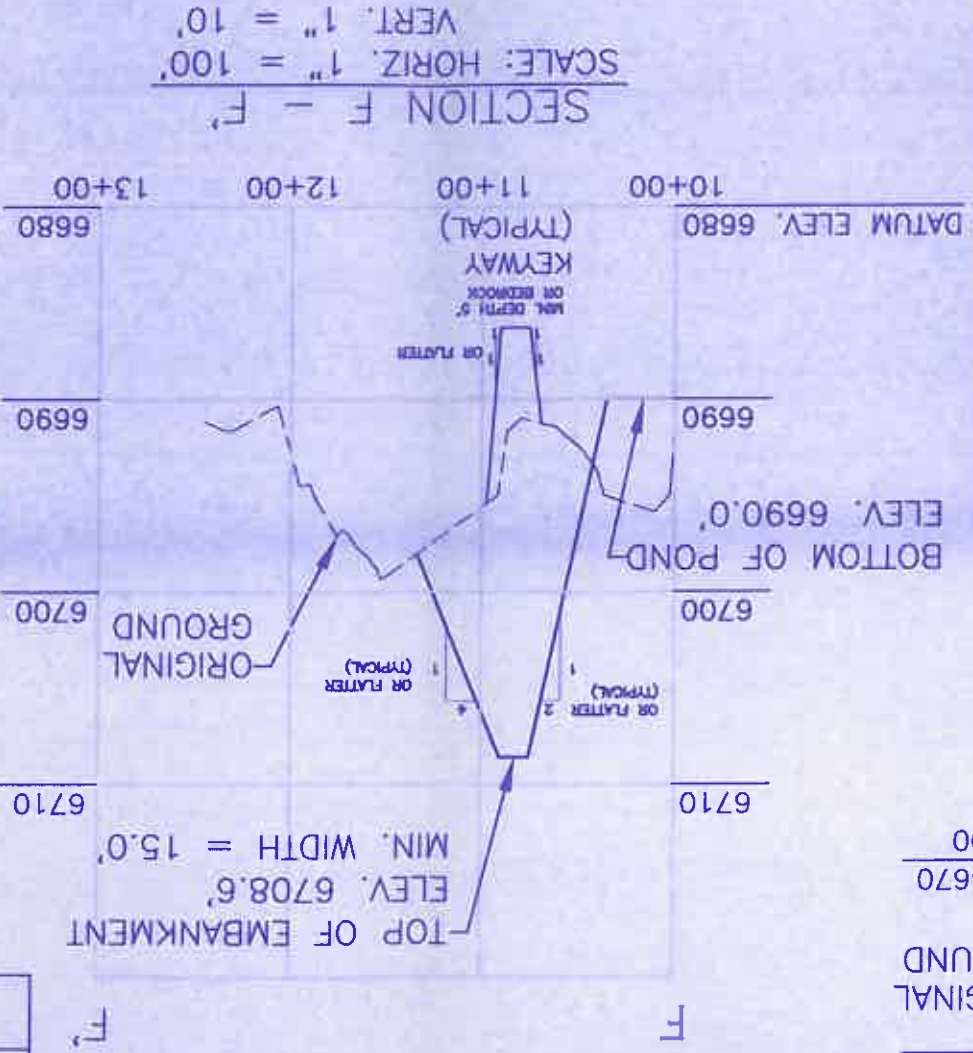
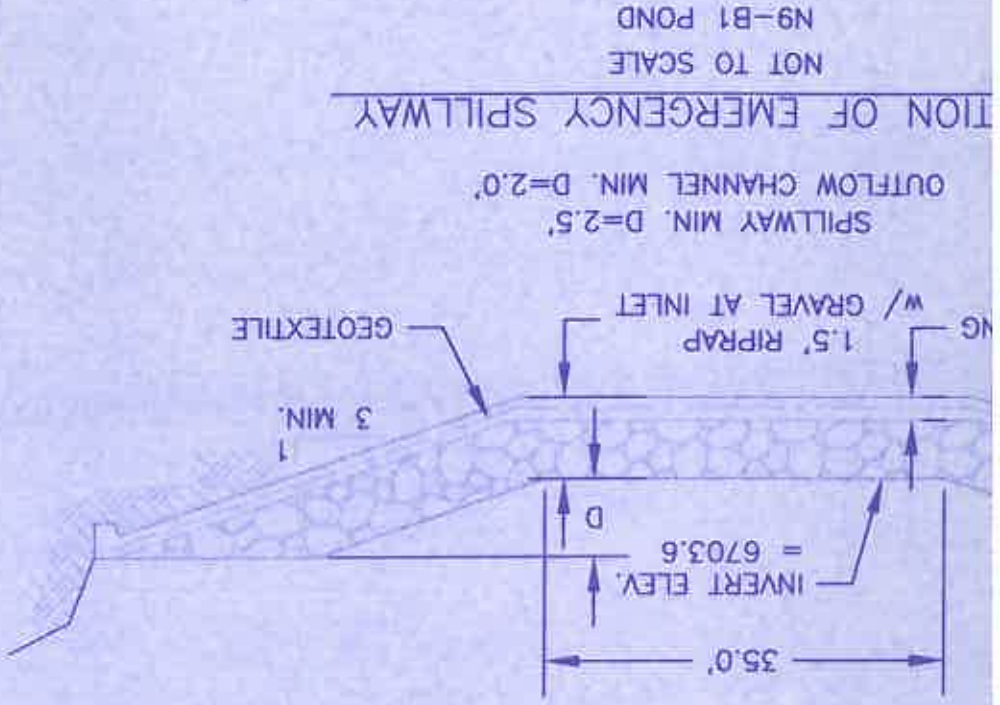
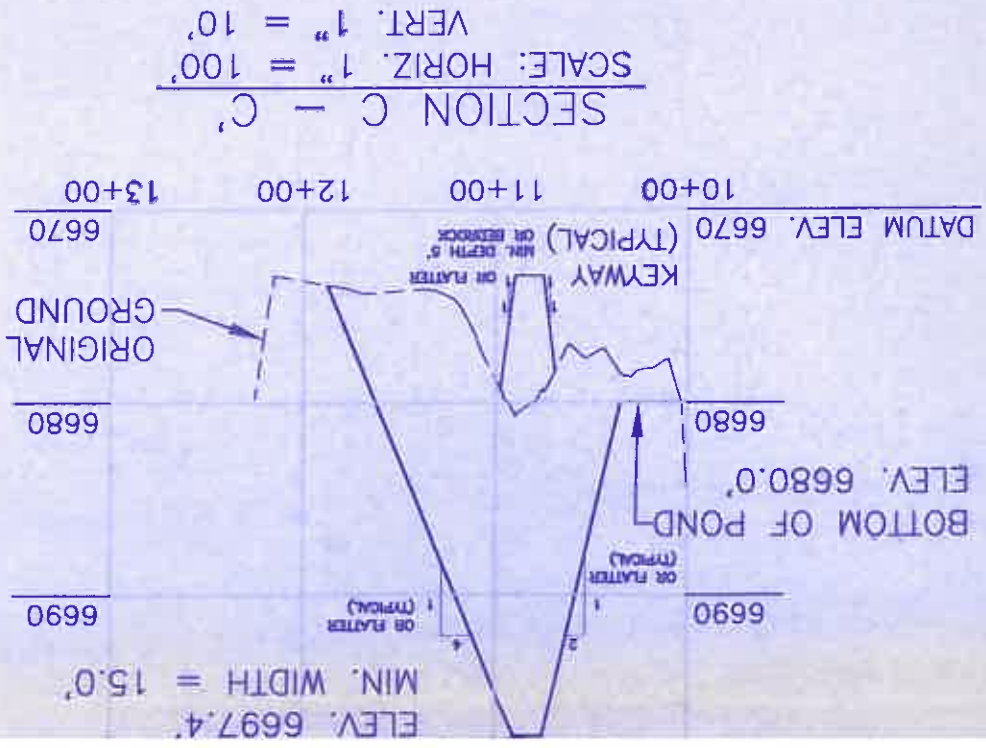
TOP OF EMBANKMENT
ELEV. 6697.4'
MIN. WIDTH = 15.0'



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



6690.0	0.0	1.10	0.0	6697.4
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



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

James G. Schlenvogt
JAMES G. SCHLENVOGT
18782
ENGINEER'S CERTIFICATION
Engineer Supervisor
Peabody Western Coal Company
Date: **DEC 23 2004**
ARIZONA P.E. 18782

NOTES:

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

topography.

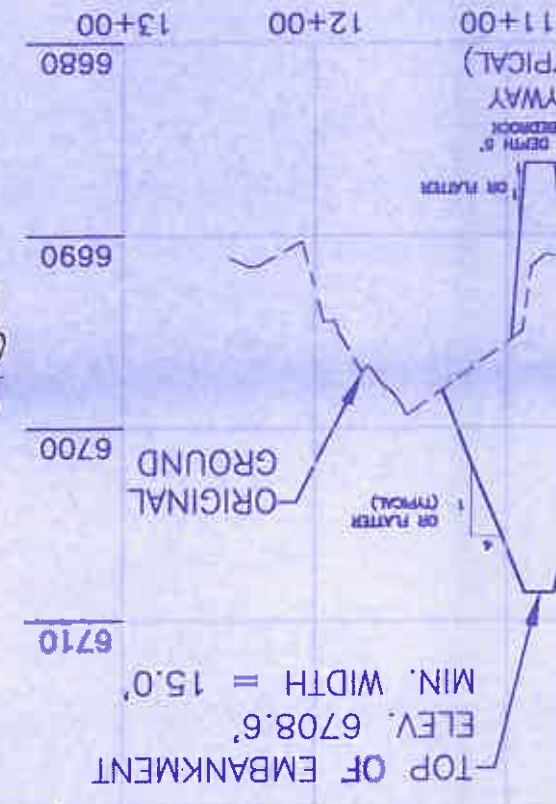
TYP

VARIABLE S
DEPENDIN
MATERIA

6575

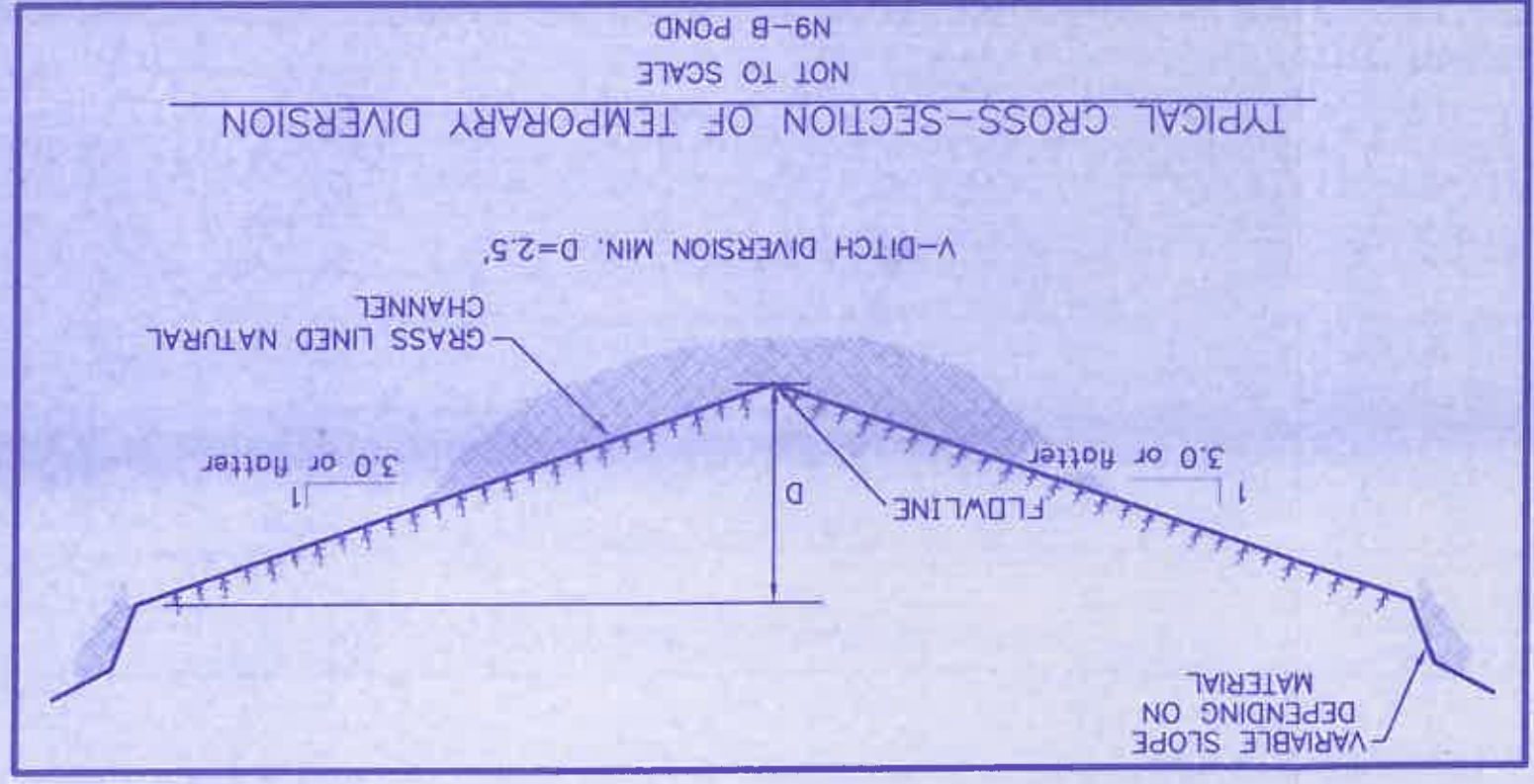
WOODSON
 ENGINEERING AND SURVEYING, INC.
 124 N. ELDEN ST.
 FLAGSTAFF, AZ 86001
 PHONE: (928) 774-4636 FAX: (928) 774-4648

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



Professional Engineer's Certification
 Registered Professional Engineer
 JAMES G. SCHLENVOGT
 18782
 ARIZONA P.E. 18782
 Date: **DEC 23 2004**
 Peabody Western Coal Company
 Engineer Supervisor
 James G. Schlenvogt

- NOTES:
- 1) General location, see Drawing No. 85400, Sheet K-6 and Drawing No. 85405.
 - 2) See Chapter 6, Black Mesa PAP for Construction Specifications.
 - 3) See Vol. 2, Chapter 6, Attachment D, 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.



Station	Bottom of Pond	Incised Elev.	Emergency Spillway	Top of Embankment
6680.0	0.00	6.60	19.56	6697.4
6685.0	1.10	1.48	2.06	6695.0
6690.0	1.83	14.88	12.4	6692.4
6695.0	2.54	2.31	15.0	6690.0
6700.0	3.25	10.0	10.0	6700.0
6705.0	10.0	1.64	13.22	6703.6
6710.0	15.0	1.90	19.58	6705.0
6715.0	2.00	2.83	22.30	6708.6
6720.0	2.83	30.99	30.99	6708.6

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
 DWG FILE: POND N9-B.B1.DWG
 CONTOUR INTERVAL: 5 FT.

TYPICAL CROSS-SECTION OF TEMPORARY DIVERSION
 NOT TO SCALE
 N9-B POND