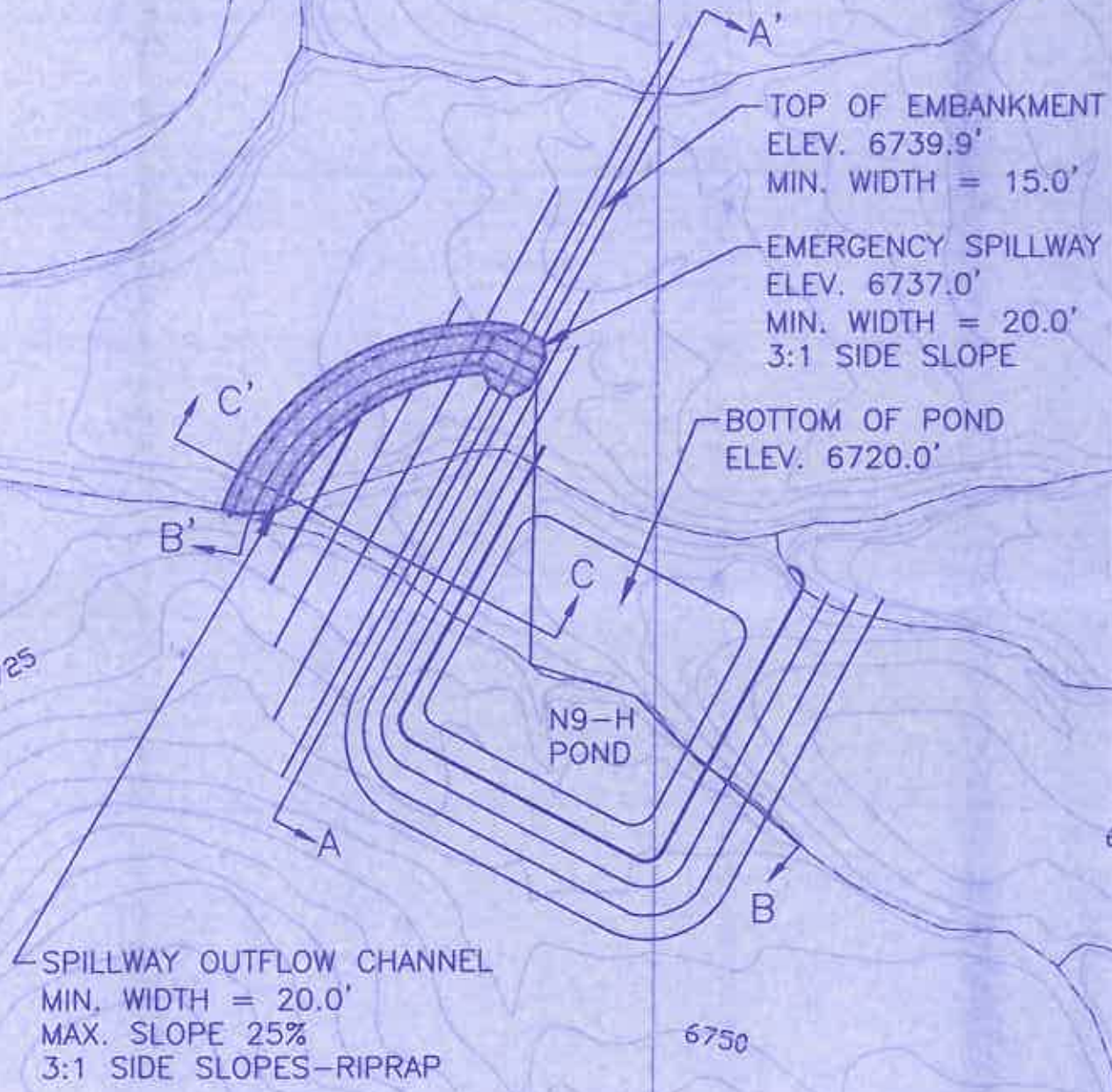


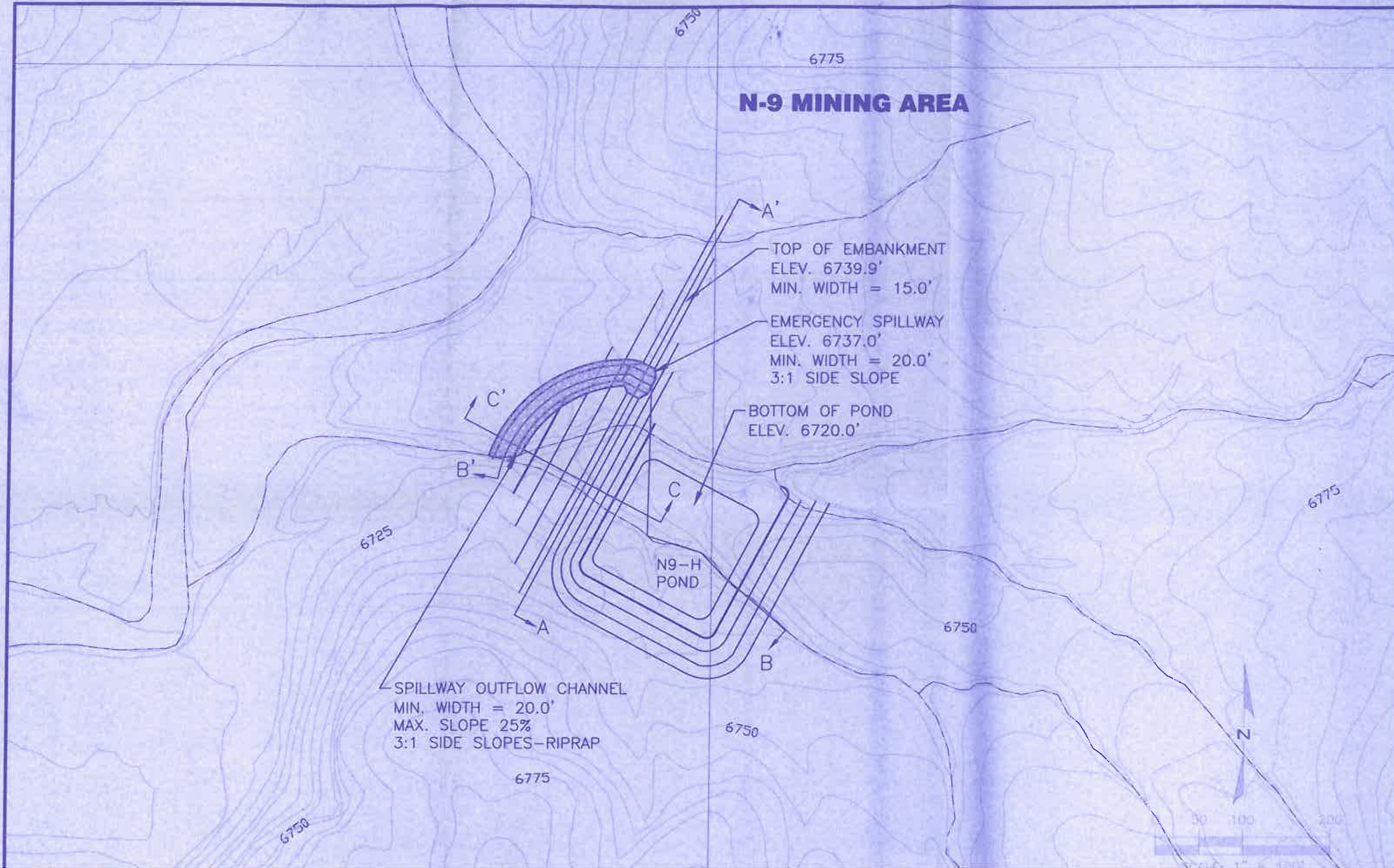
N9-H POND STAGE CAPACITY TABLE

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6720.0	0.0	0.48	0.00	BOTTOM OF POND
6725.0	5.0	0.78	3.14	INCISED ELEV.
6730.0	10.0	1.05	7.71	

N-9 MINING AREA



N-9 MINING AREA



TOP OF EMBANKMENT
ELEV. 6739.9'
MIN. WIDTH = 15.0'

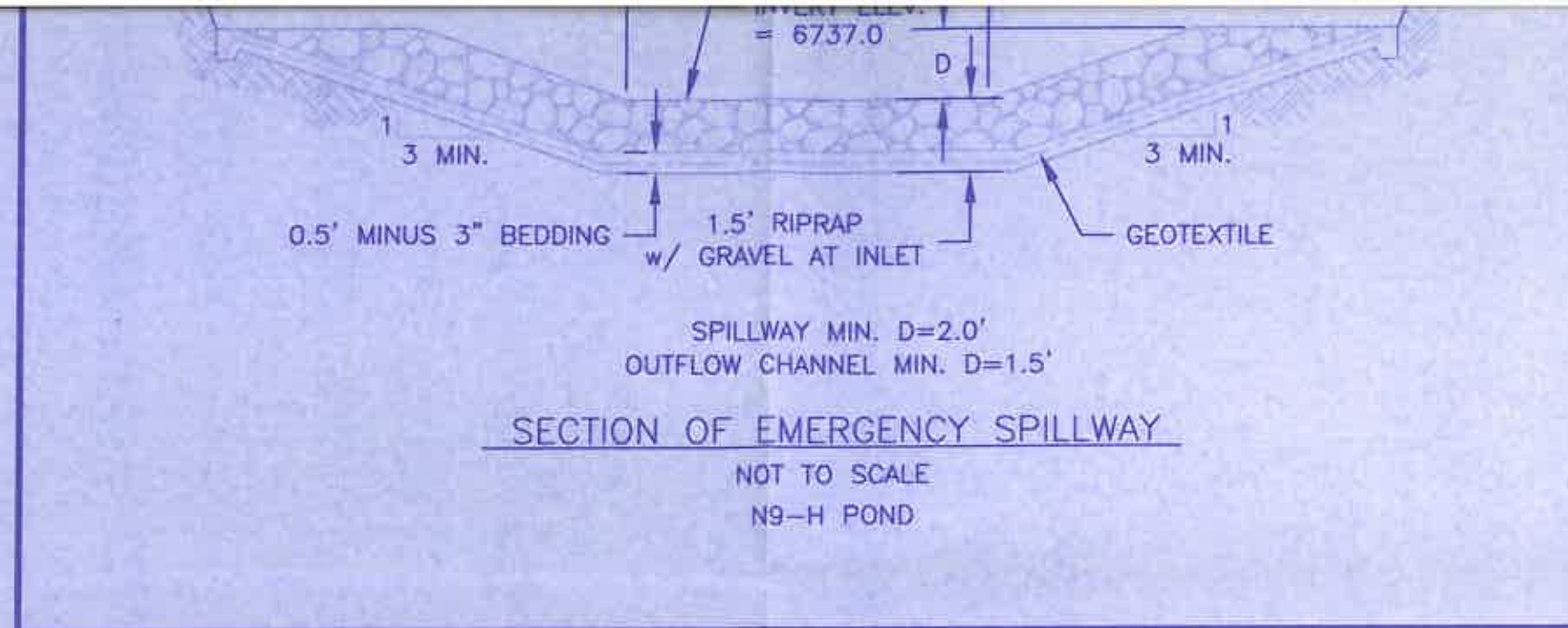
EMERGENCY SPILLWAY
ELEV. 6737.0'
MIN. WIDTH = 20.0'
3:1 SIDE SLOPE

BOTTOM OF POND
ELEV. 6720.0'

N9-H
POND

SPILLWAY OUTFLOW CHANNEL
MIN. WIDTH = 20.0'
MAX. SLOPE 25%
3:1 SIDE SLOPES-RIPRAP





N9-H POND STAGE CAPACITY TABLE

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6720.0	0.0	0.48	0.00	BOTTOM OF POND
6725.0	5.0	0.78	3.14	INCISED ELEV.
6730.0	10.0	1.05	7.71	
6735.0	15.0	1.47	14.01	
6737.0	17.0	1.73	17.21	EMERGENCY SPILLWAY
6739.9	19.9	2.12	23.00	TOP OF EMBANKMENT

TOP OF EMBANKMENT
 ELEV. 6739.9'
 MIN. WIDTH = 15.0'

TOP OF EMBANKMENT
ELEV. 6739.9'
MIN. WIDTH = 15.0'

EMERGENCY SPILLWAY
ELEV. 6737.0'
MIN. WIDTH = 20.0'
3:1 SIDE SLOPE

BOTTOM OF POND
ELEV. 6720.0'

SPILLWAY OUTFLOW CHANNEL
MIN. WIDTH = 20.0'
MAX. SLOPE 25%
3:1 SIDE SLOPES—RIPRAP

N9-H
POND



6725

6775

6750

6750

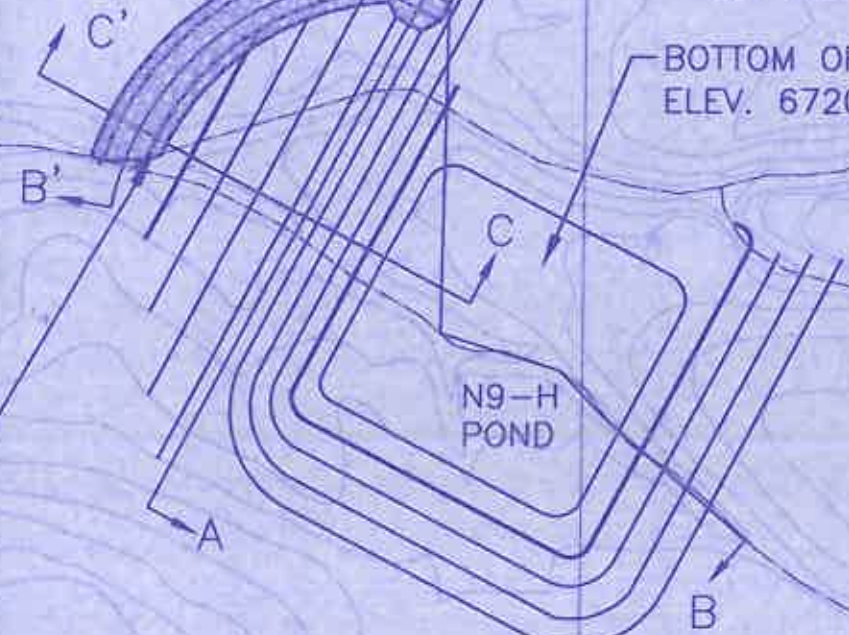
6775

6750

6800

6775

19,000 E.



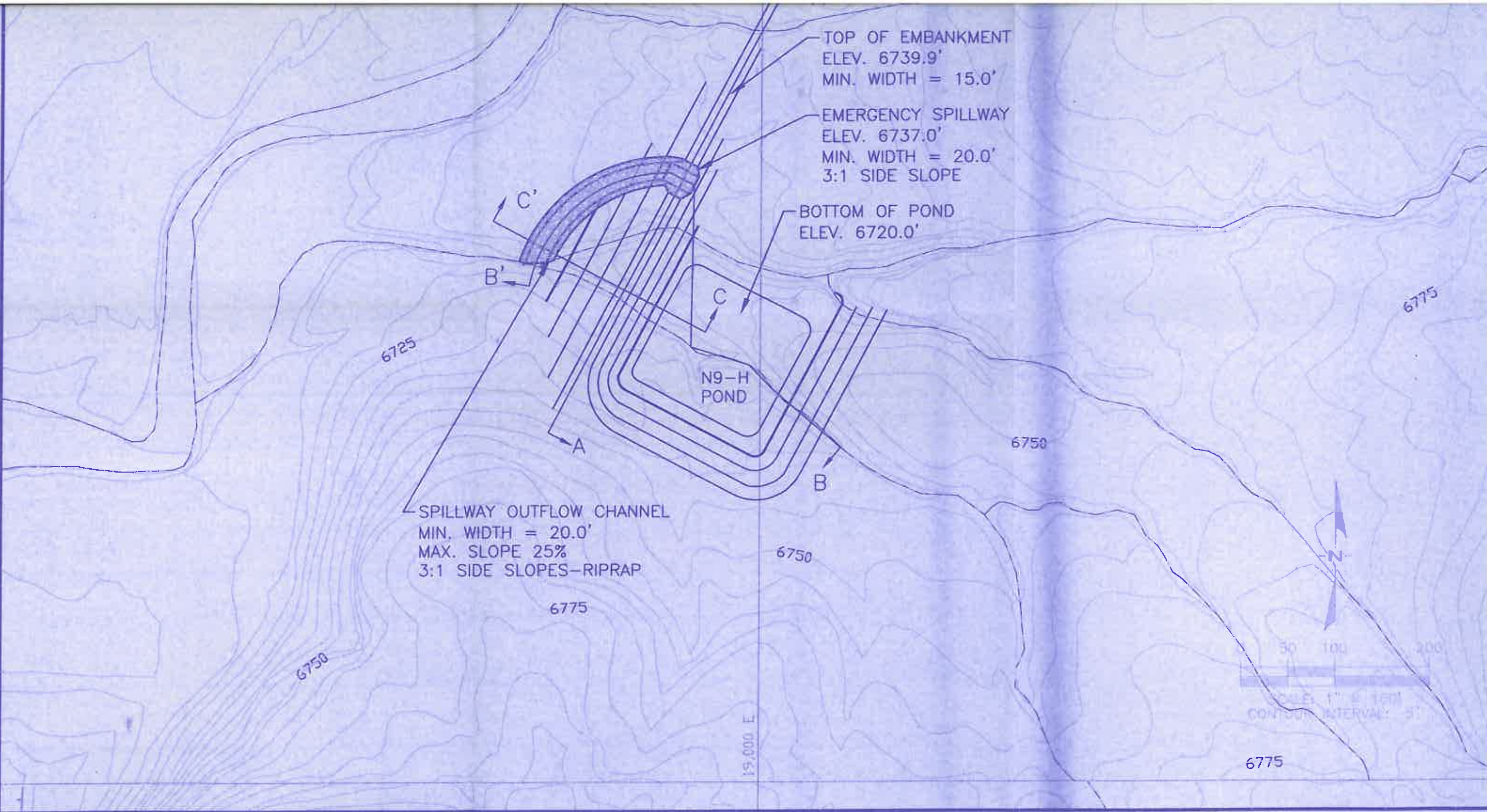
TOP OF EMBANKMENT
ELEV. 6739.9'
MIN. WIDTH = 15.0'

EMERGENCY SPILLWAY
ELEV. 6737.0'
MIN. WIDTH = 20.0'
3:1 SIDE SLOPE

BOTTOM OF POND
ELEV. 6720.0'

SPILLWAY OUTFLOW CHANNEL
MIN. WIDTH = 20.0'
MAX. SLOPE 25%
3:1 SIDE SLOPES-RIPRAP

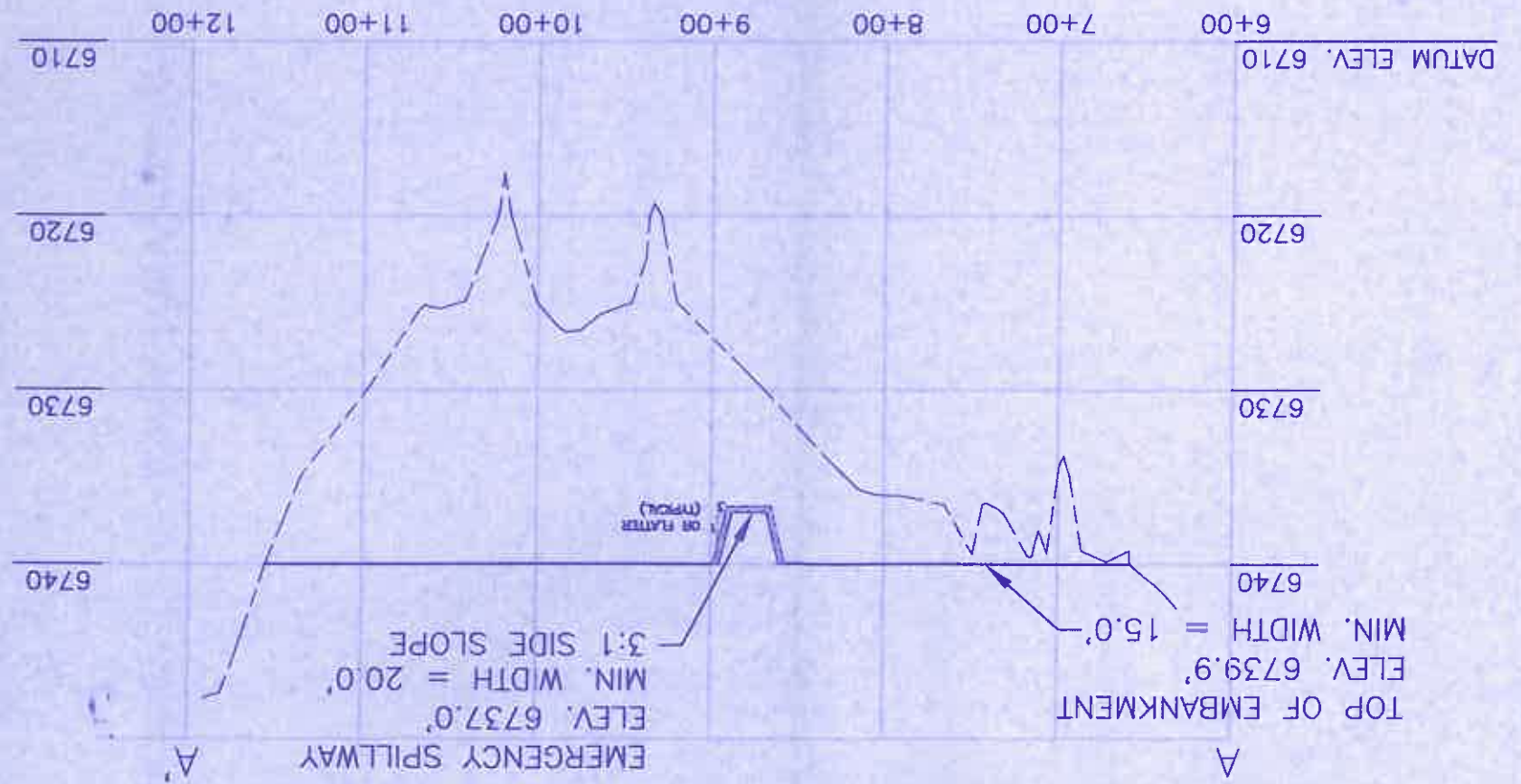
N9-H
POND



SECTION
SCALE: HORIZ
VERT

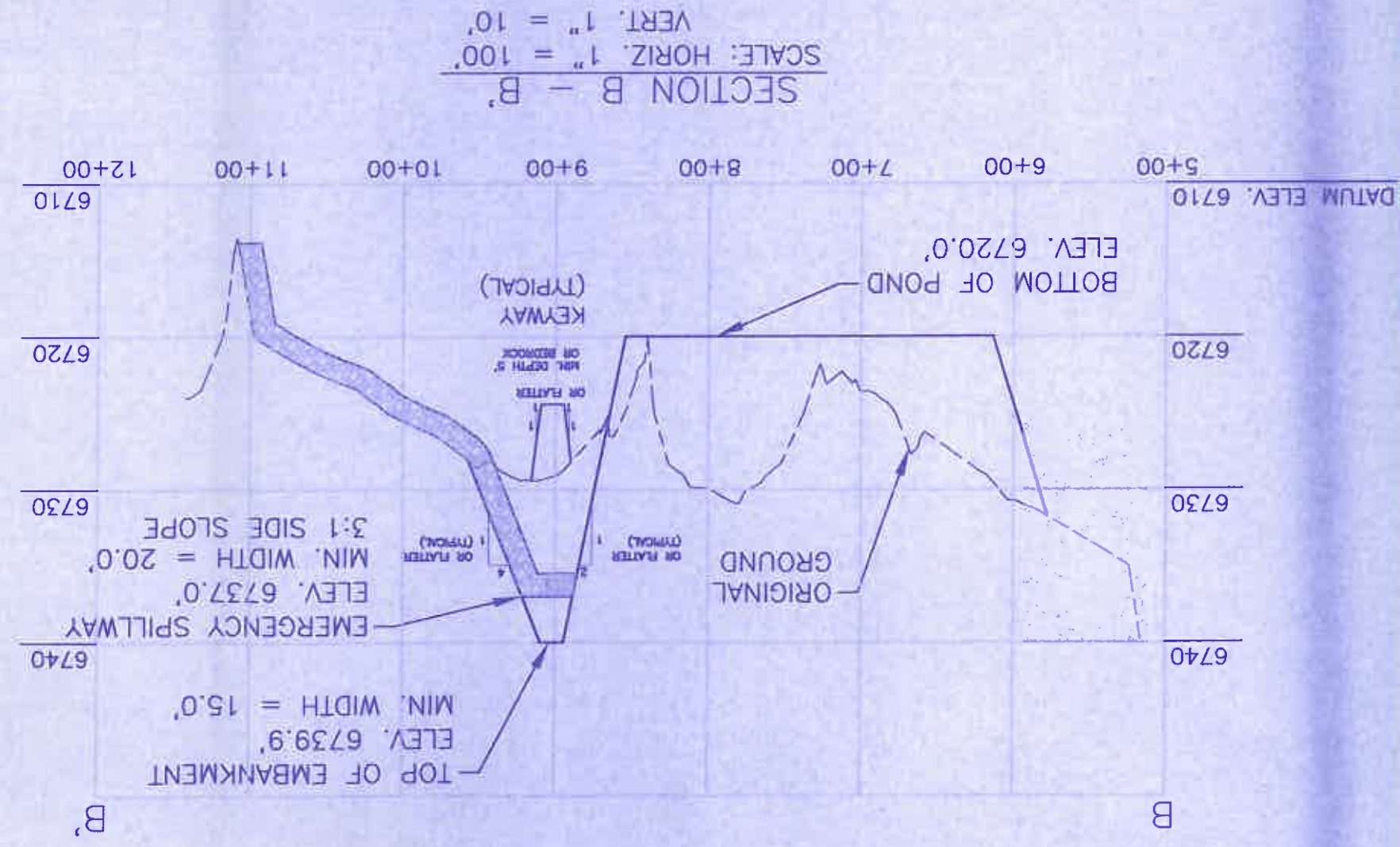
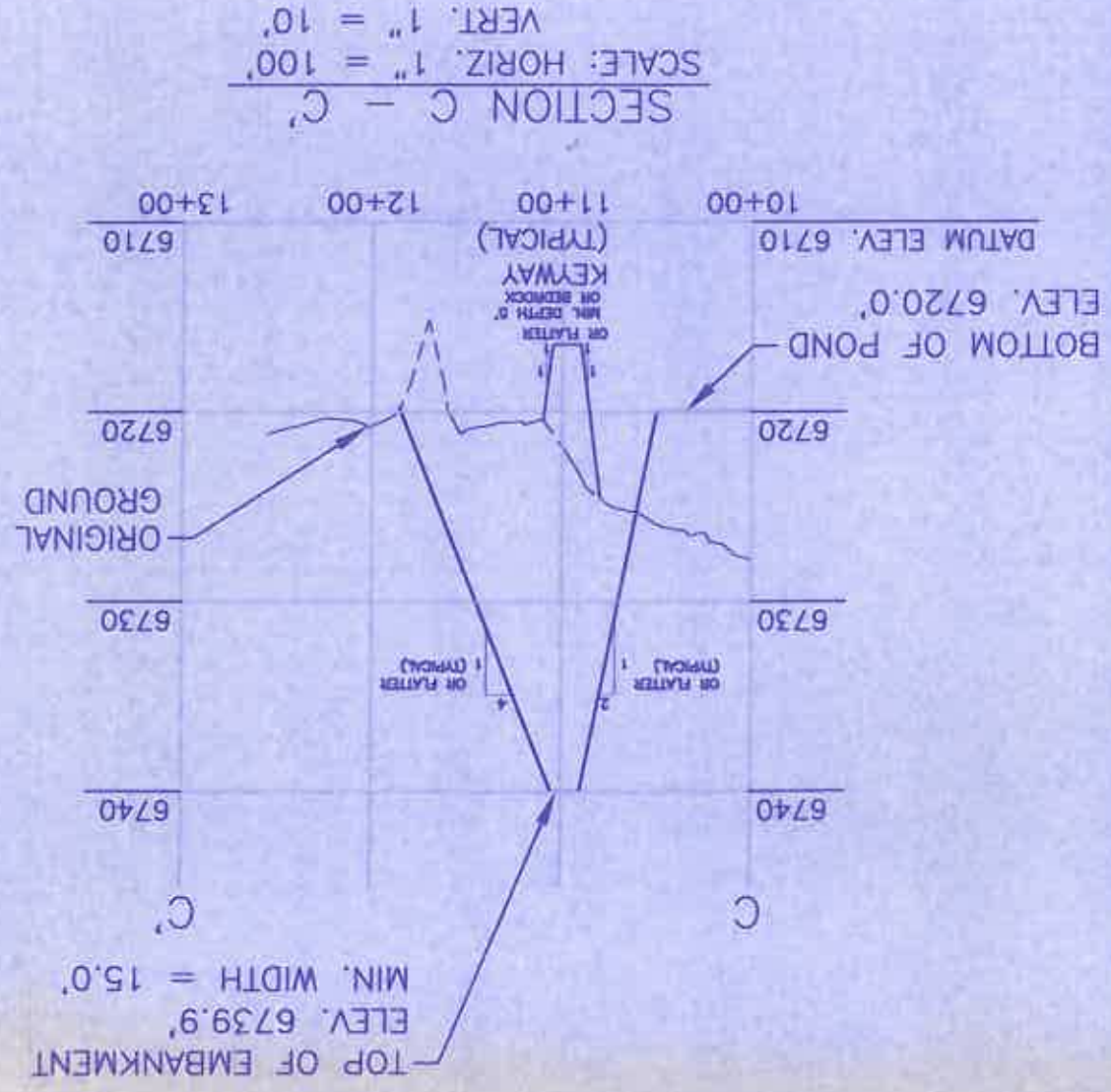


SECTION A - A'
SCALE: HORIZ. 1" = 100'
VERT. 1" = 10'



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 Dredging PAP for Construction Specifications
 - 2) See Chapter 6, Black Mesa PAP for Construction Specifications
 - 3) See Vol. 2, Chapter 6, Attachment D, Sections 1-3 for design and Geotechnical Evaluation.
 - 4) Salvage topsoil in accordance with approved topsoil salvage plan.
 - 5) Reclamation of the disturbed area above the high waterline in accordance with the approved reclamation plan.
 - 6) Ponding area side slopes, typical 3:1 slope on flatter and topography.



- 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.

EXHIBIT # 1	
PROPOSED N9-H	
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-H.DWG

ARIZONA P.E. 18782
 Date: **DEC 23 2004**
 James H. Schlemm, P.E.
 Engineering Supervisor
 Peabody Western Coal Company
 ENGINEER'S CERTIFICATION

