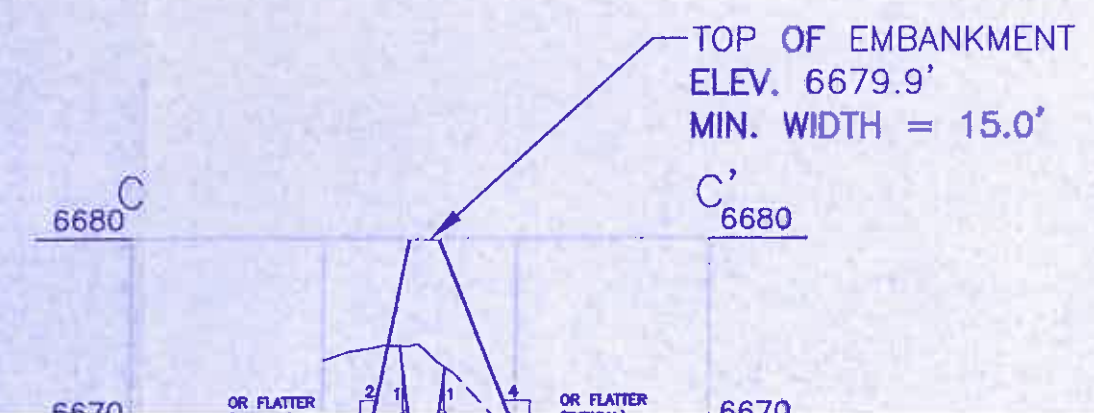
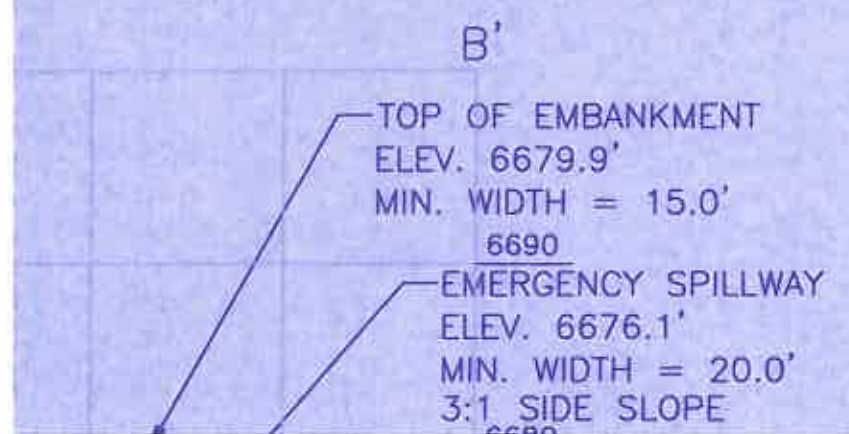




SECTION A - A'
 SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'



N-9 MINING AREA

TOP OF EMBANKMENT
ELEV. 6679.9'
MIN. WIDTH = 15.0'

BOTTOM OF POND
ELEV. 6660.0'

N9-G
POND

A

6700
6690
6680
6670

EMERGENCY SP
ELEV. 6676.1'
MIN. WIDTH =
3:1 SIDE SLOP

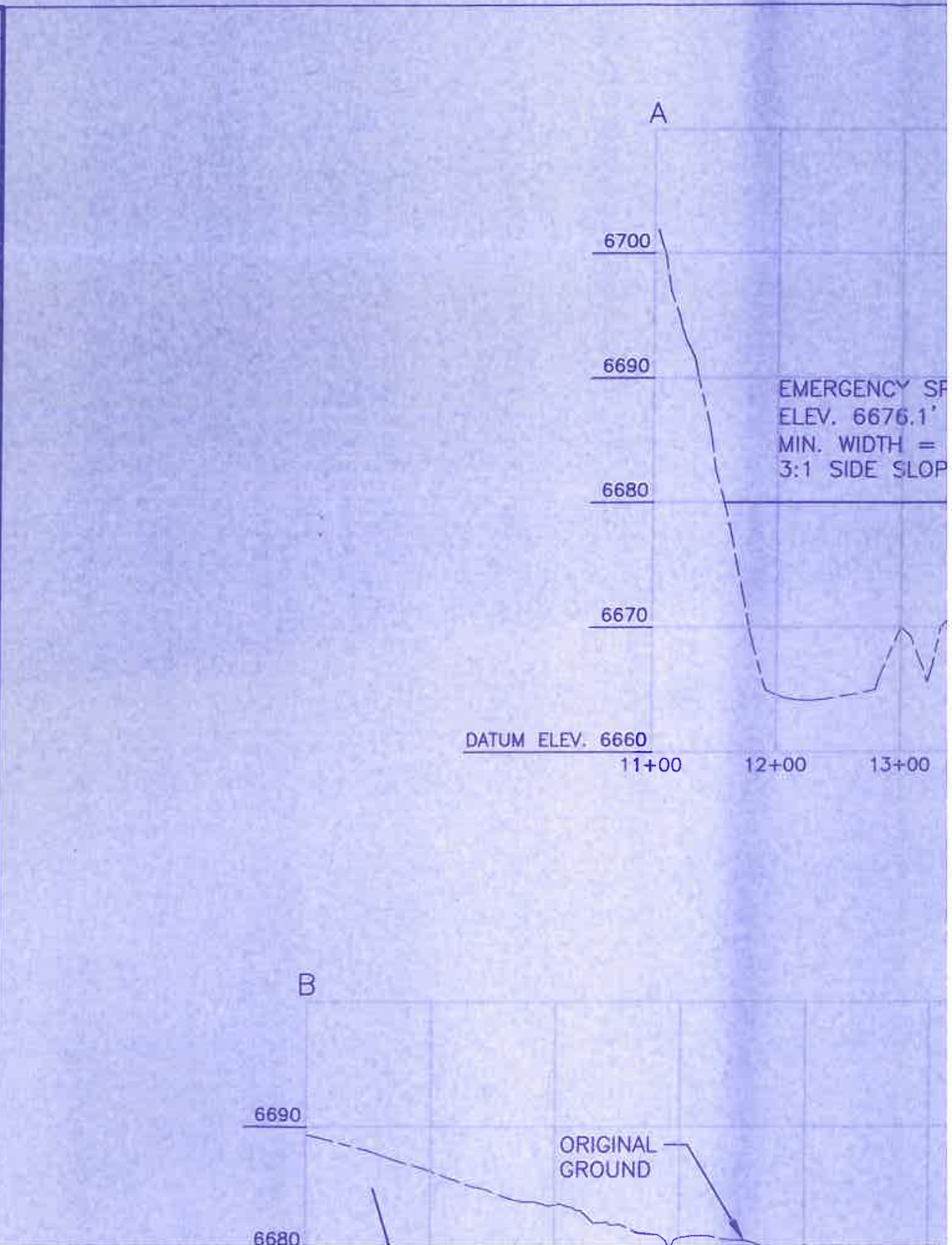
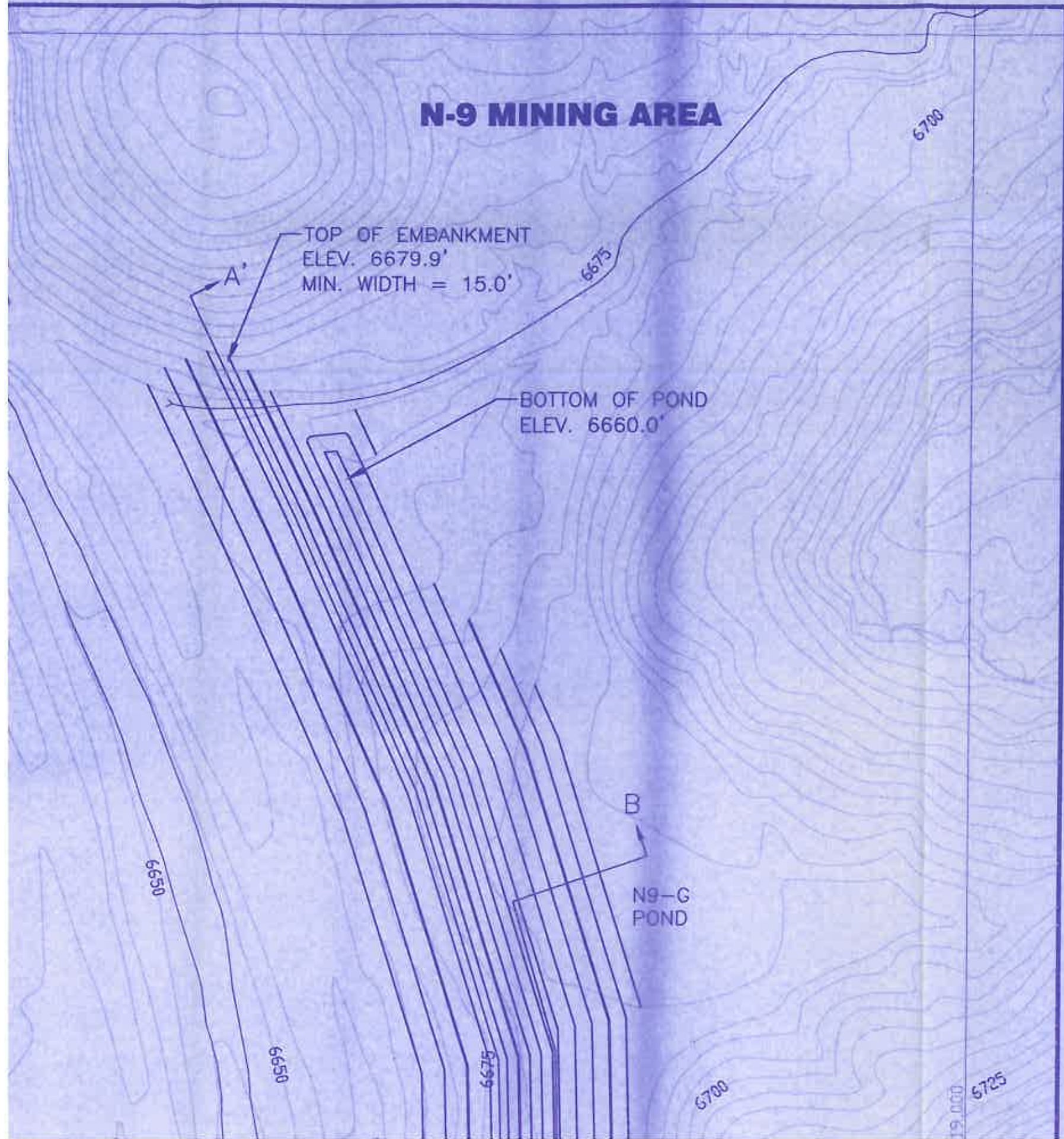
DATUM ELEV. 6660

11+00 12+00 13+00

B

6690
6680

ORIGINAL
GROUND



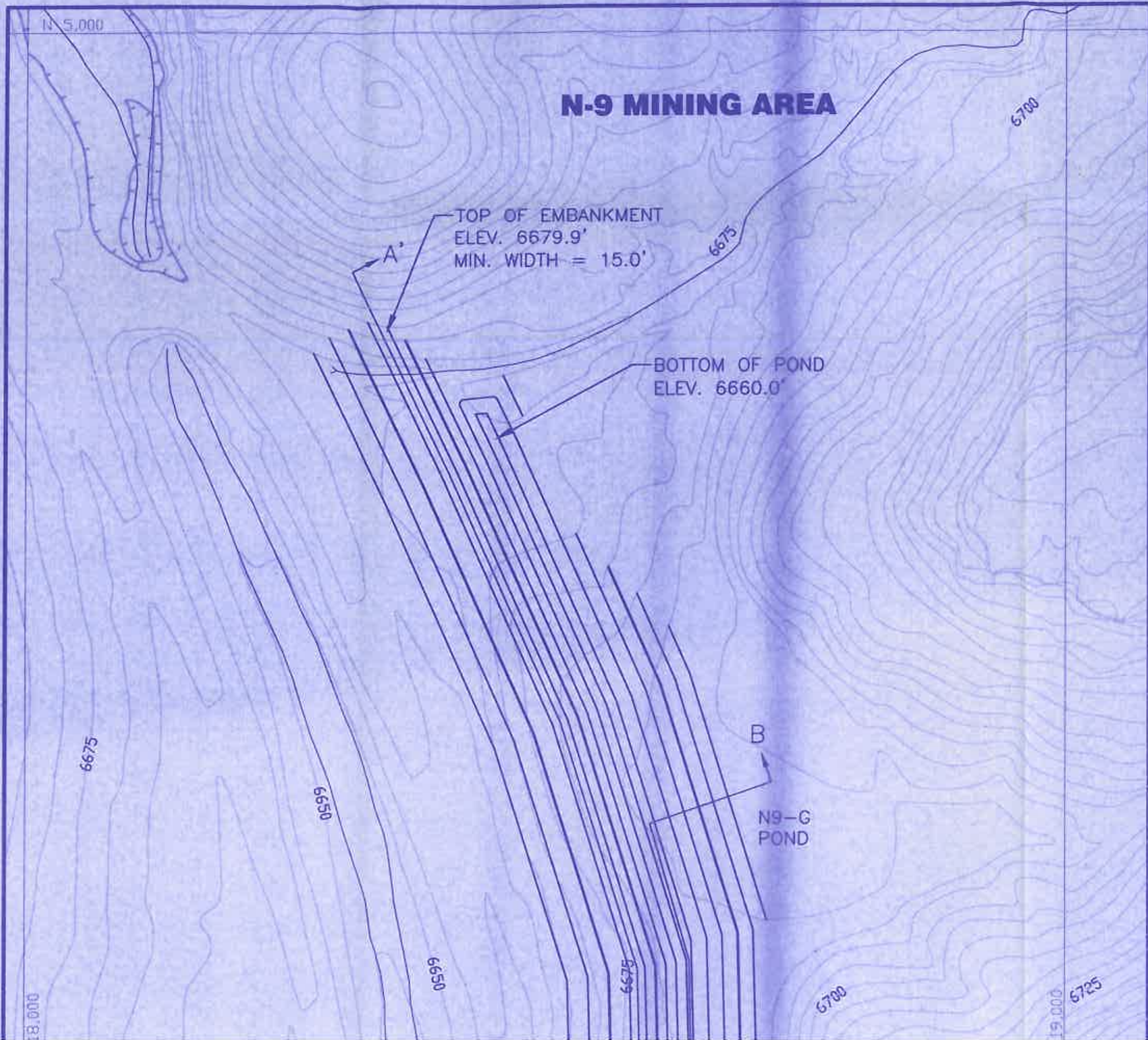
N-9 MINING AREA

TOP OF EMBANKMENT
ELEV. 6679.9'
MIN. WIDTH = 15.0'

BOTTOM OF POND
ELEV. 6660.0'

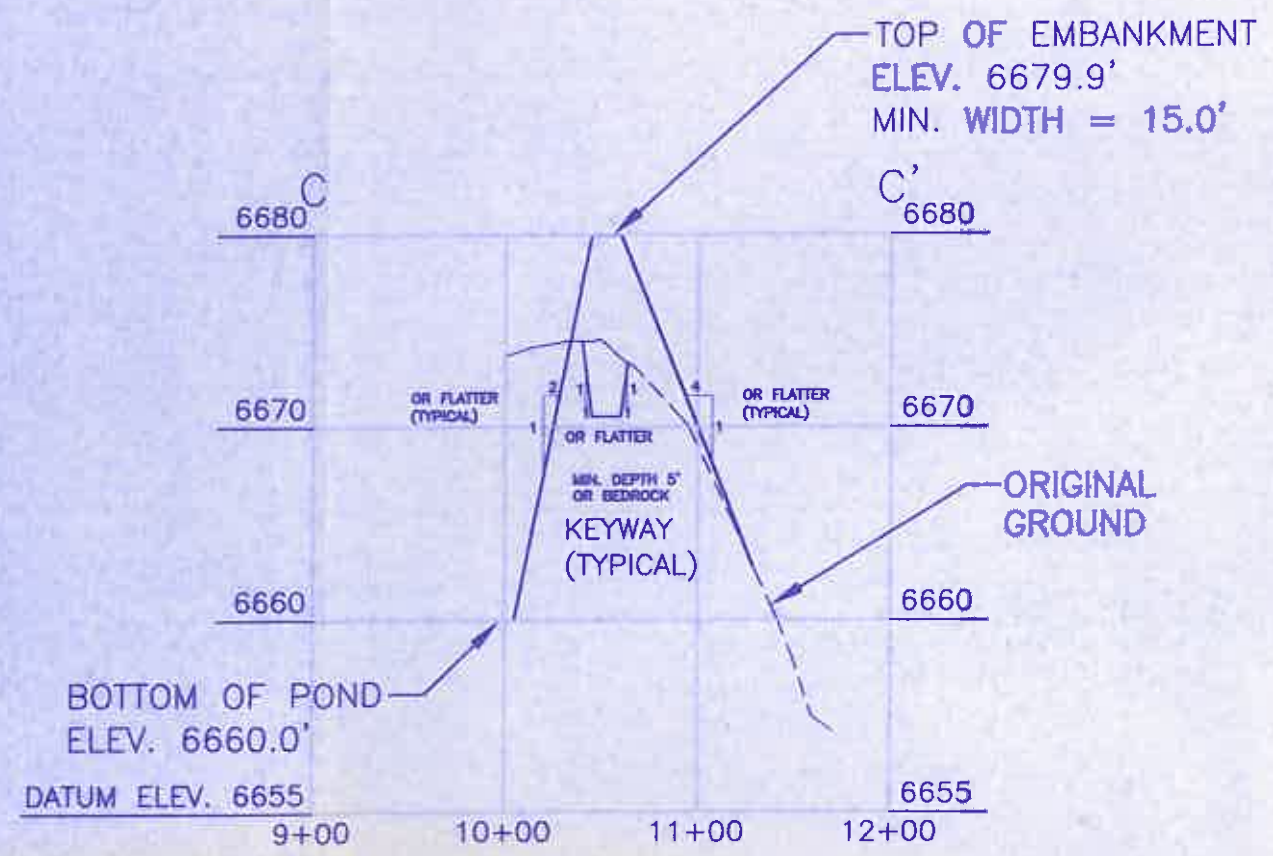
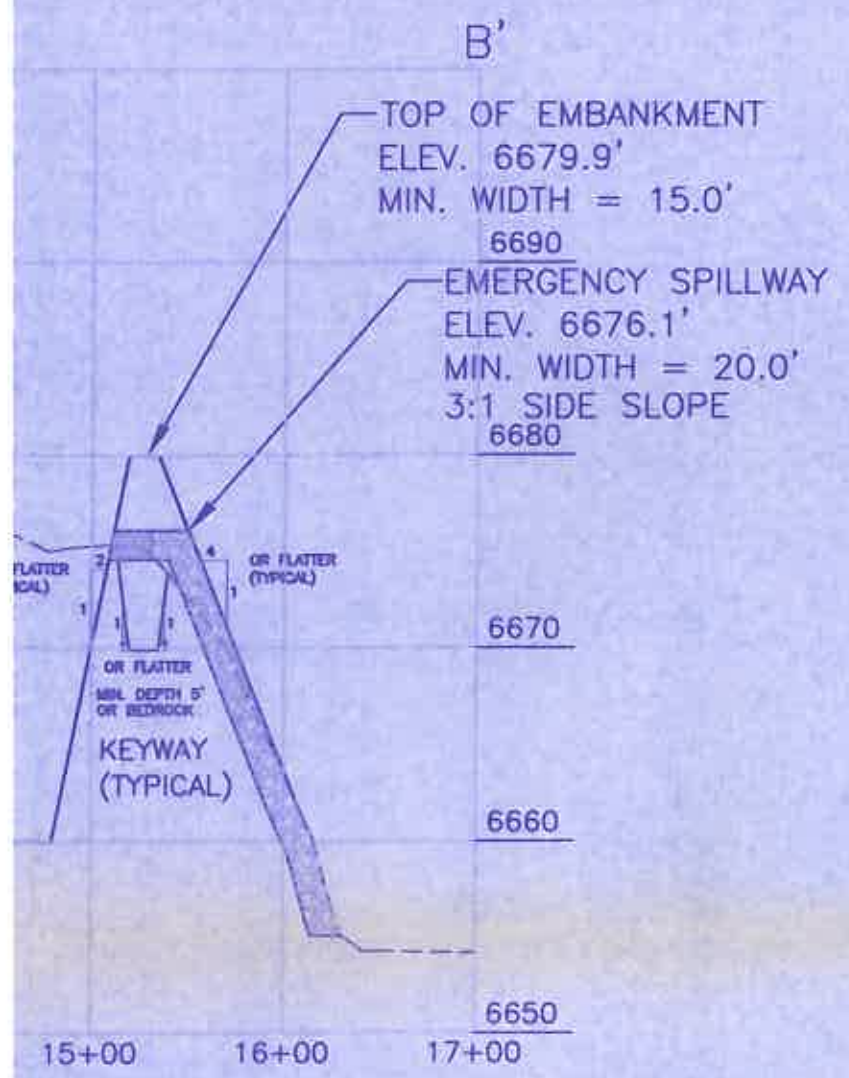
N9-G
POND

DATUM ELEV. 6

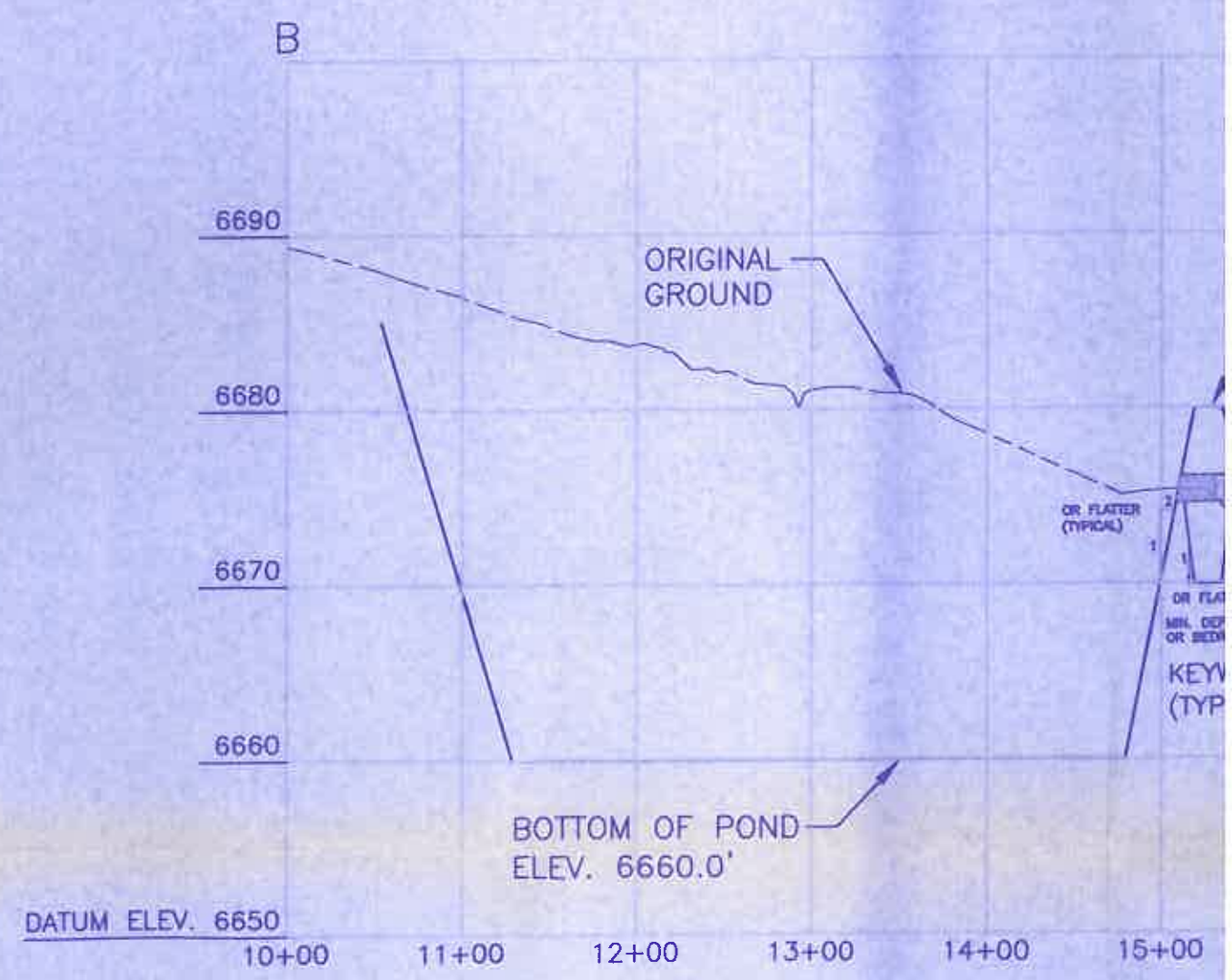
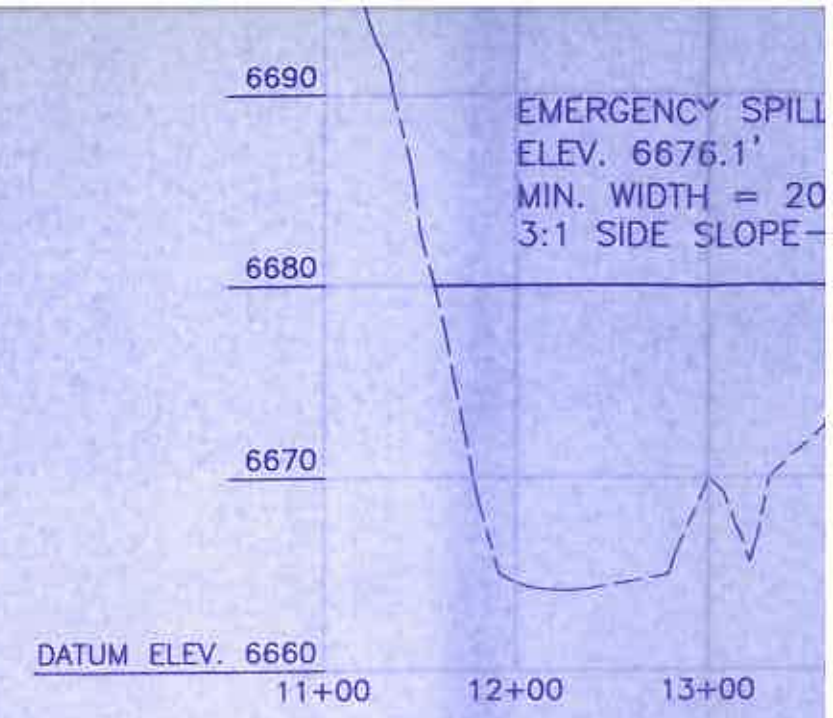
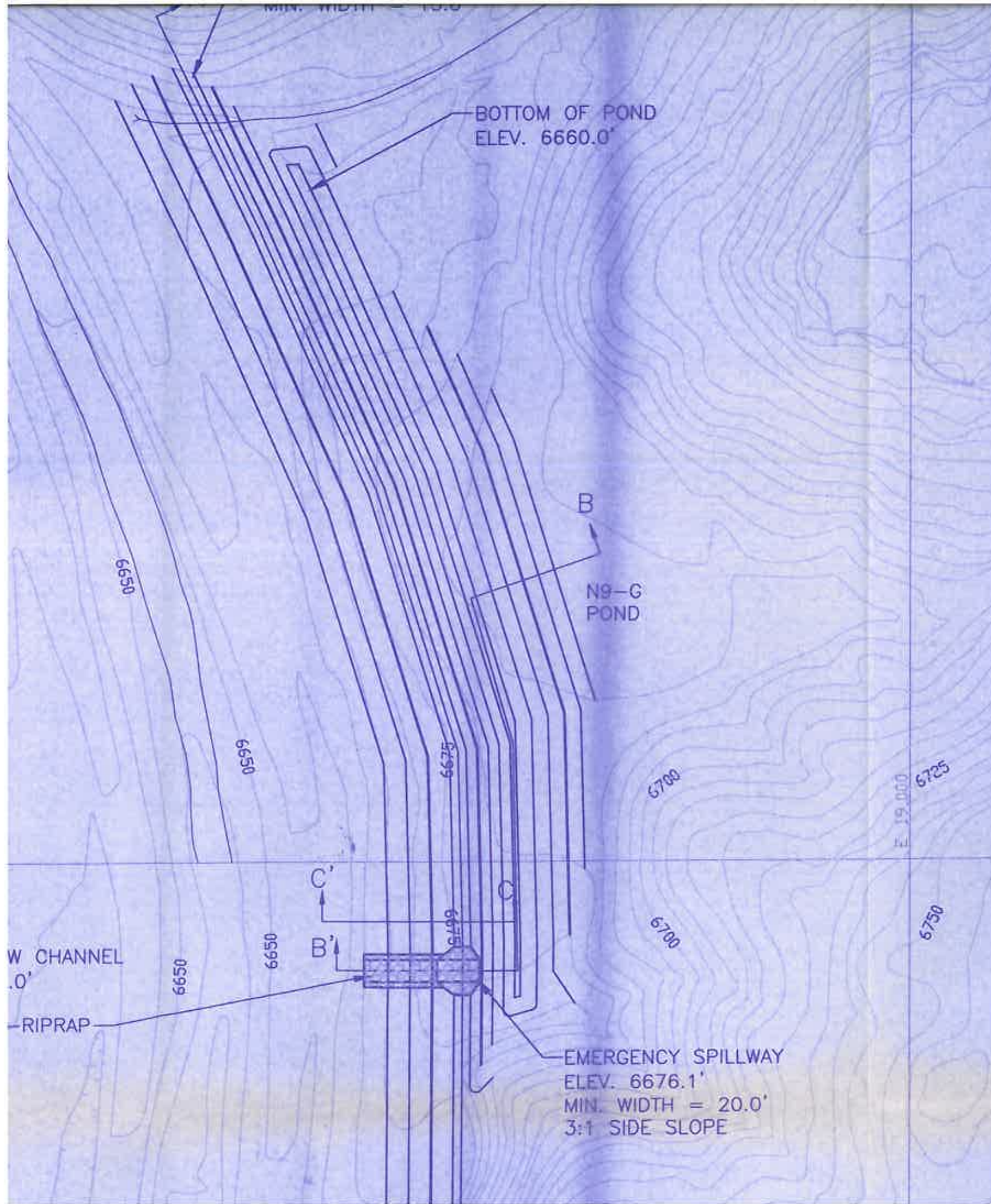




SECTION A - A'
SCALE: HORIZ. 1" = 100'
VERT. 1" = 10'



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



BOTTOM OF POND
ELEV. 6660.0'

B

N9-G
POND

B

DATUM ELEV.

6675
6650
6650
6650
6675
6700
6700
6750
6725
E 18,000
N 4,000
E 19,000

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

C'

B'

C

EMERGENCY SPILLWAY
ELEV. 6676.1'
MIN. WIDTH = 20.0'
3:1 SIDE SLOPE

6690
6680
6670
6660

OR
GR

BOTTOM OF
ELEV. 6660

DATUM ELEV. 6650
10+00 11+00 12+00

ELEV. 6676.1'
 MIN. WIDTH = 20.0'
 3:1 SIDE SLOPE



BOTTOM OF
 ELEV. 6660
 DATUM ELEV. 6650
 10+00 11+00 12+00

N9-G POND S

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)
6660.0	0.0	0.16
6665.0	5.0	0.63
6670.0	10.0	1.39
6675.0	15.0	2.42
6676.1	16.1	2.70
6679.9	19.9	3.68

ENGINEER'S CERTIFICATION



ARIZONA P.E. 18782
 DEC 23 2004

Date: _____
 Engineering Supervisor
 Peabody & Associates, Inc. a U.S. Company

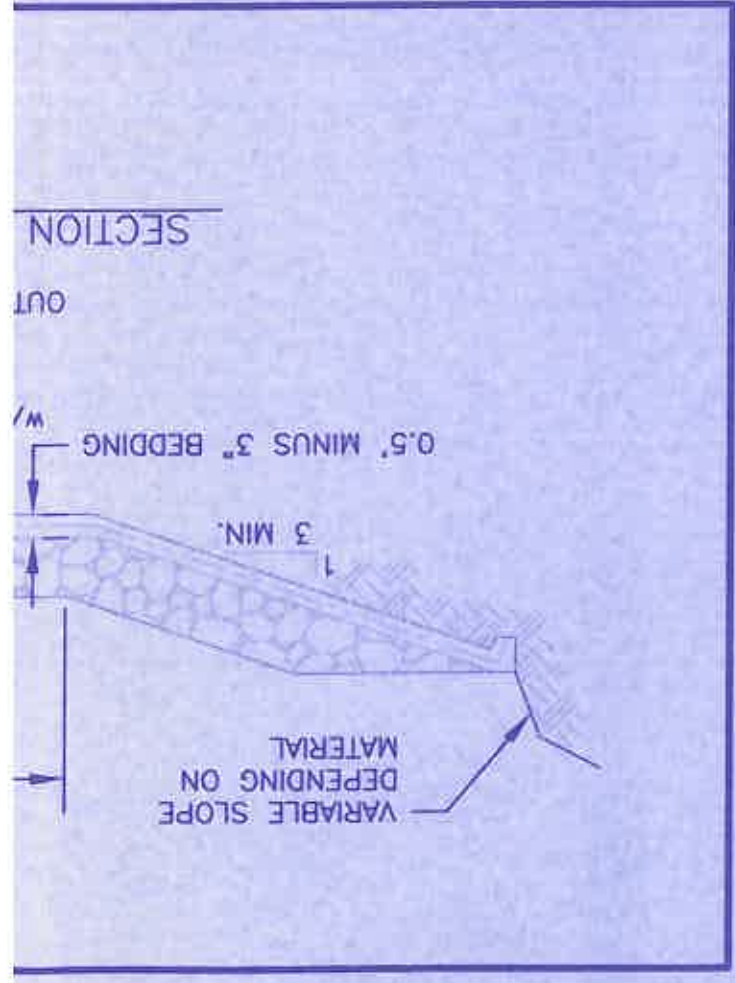
DATUM ELEV. 6650
 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00
 6650

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

BOTTOM OF POND
 ELEV. 6660.0'

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6660.0	0.0	0.16	0.00	BOTTOM OF POND
6665.0	5.0	0.63	1.97	INCISED ELEV.
6670.0	10.0	1.39	7.03	
6675.0	15.0	2.42	16.56	
6676.1	16.1	2.70	19.38	EMERGENCY SPILLWAY
6679.9	19.9	3.68	31.81	TOP OF EMBANKMENT

N9-G POND STAGE CAPACITY TABLE



SECTION

OUT

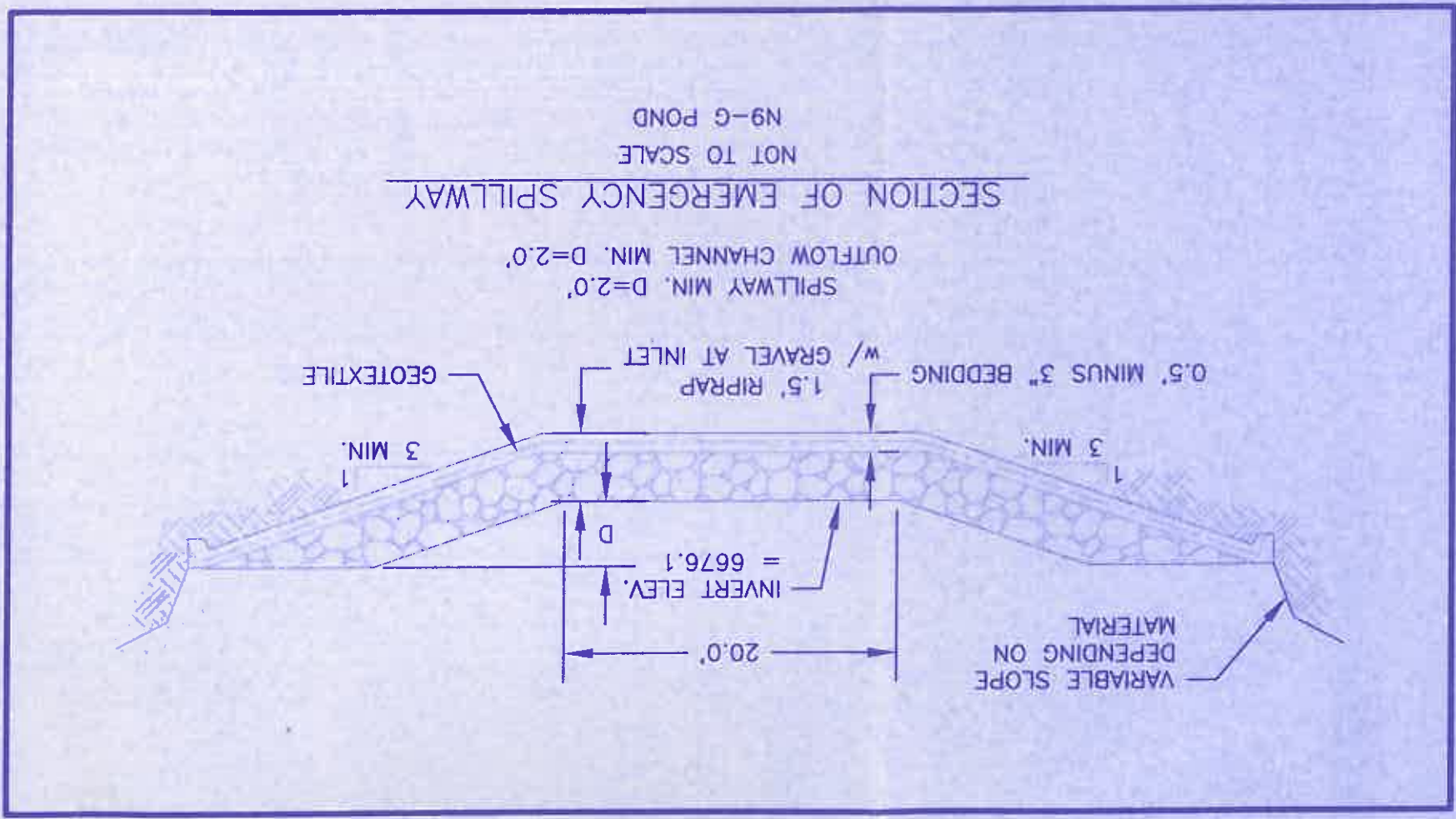
- NOTES:
- 1) General location, see Drawing No. 85400, Sheet K-6
 - 2) See Chapter 6, Black Mesa PAP for Construction
 - 3) See Vol. 2, Chapter 6, Attachment D, Sections 1-3
 - 4) Salvage topsoil in accordance with approved topsoil Geotechnical Evaluation.
 - 5) Reclamation of the disturbed area above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

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

ARIZONA P.E. 18782
 DEC 23 2004
 Date: _____
 ENGINEER'S CERTIFICATION
 JAMES SCHLEMMER
 Engineering Supervisor
 James Schlemmmer
 Professional Engineer
 No. 18782
 State of Arizona
 Registered Professional Engineer's Seal
 James Schlemmmer
 Engineering Supervisor
 James Schlemmmer
 Professional Engineer
 No. 18782
 State of Arizona
 Registered Professional Engineer's Seal

- 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-G SEDIMENTATION POND DESIGN	
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-G.DWG



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

DESCRIPTION	
FORM OF POND	
SED ELEV.	
EMERGENCY SPILLWAY	
EMBANKMENT	

6650
 15+00
 16+00
 17+00