

DAM REPAIRS

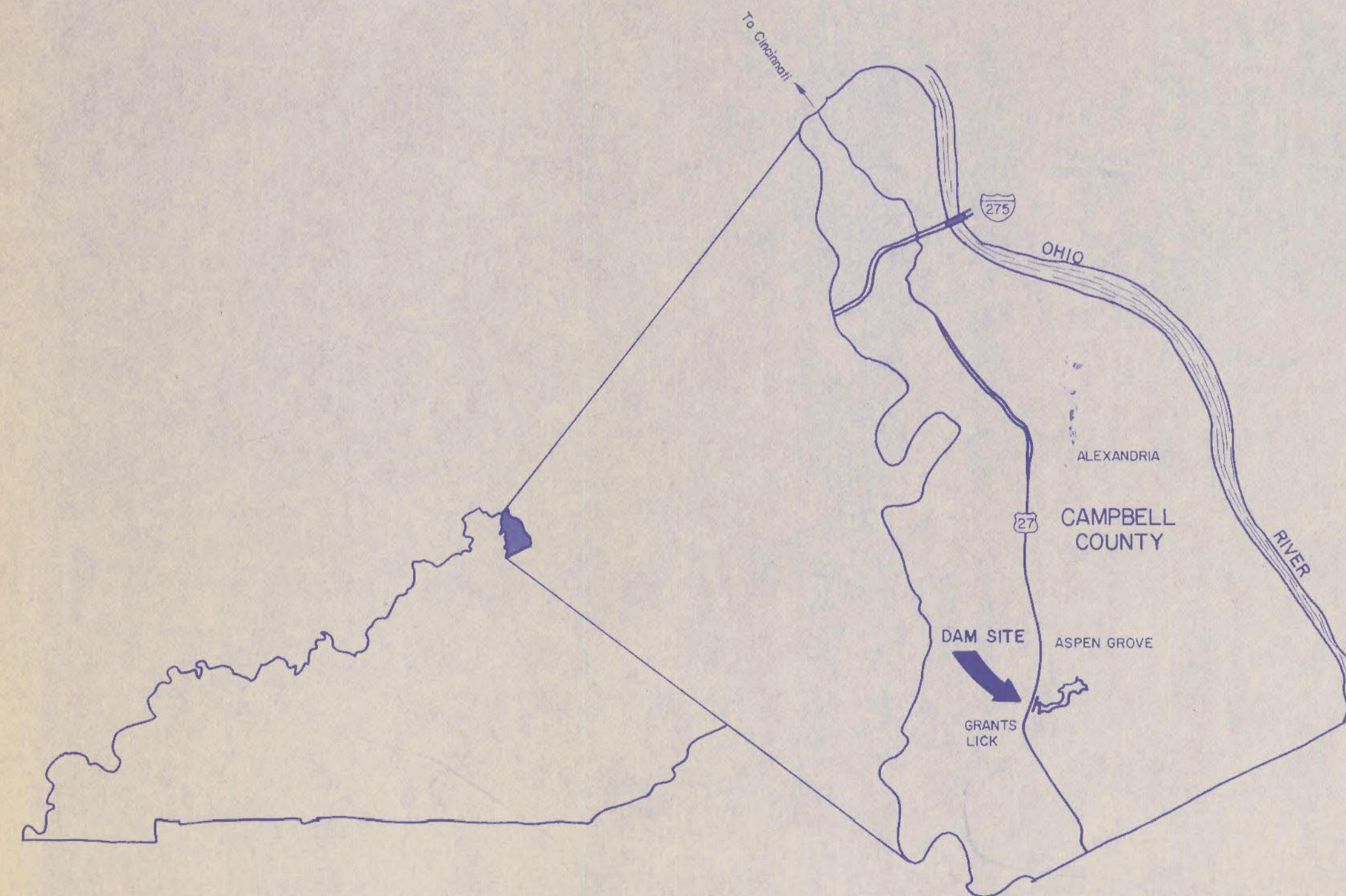
CAMPBELL COUNTY LAKE DAM

CAMPBELL COUNTY, KENTUCKY

AGENCY: DEPARTMENT FOR NATURAL RESOURCES & ENVIRONMENTAL PROTECTION, DIVISION OF WATER

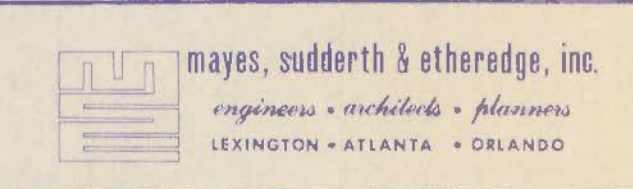
OWNER: COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE, OFFICE FOR FACILITIES MANAGEMENT
DIVISION OF ENGINEERING FRANKFORT, KENTUCKY

STRUCTURE CLASSIFICATION: CLASS (C) HIGH HAZARD



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REVISIONS	DATE	TITLE SHEET & INDEX	
		RECORD DATE	DRAWING NO.
		DRAWN BY	1 25
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		A & E FILE NO.	REVIEWED
		9002-02	DIV. OF ENGR.
		DATE	For Intent Only
			ENGR. FILE NO.
			K-92
		AGENCY AUTHORIZED AGENT	DATE
		EDWARD J. COLLINS	3-15-02
		DIVISION OF ENGINEERING	DATE
		APPROVED FOR PROGRAM CONCEPT ONLY	3-15-02



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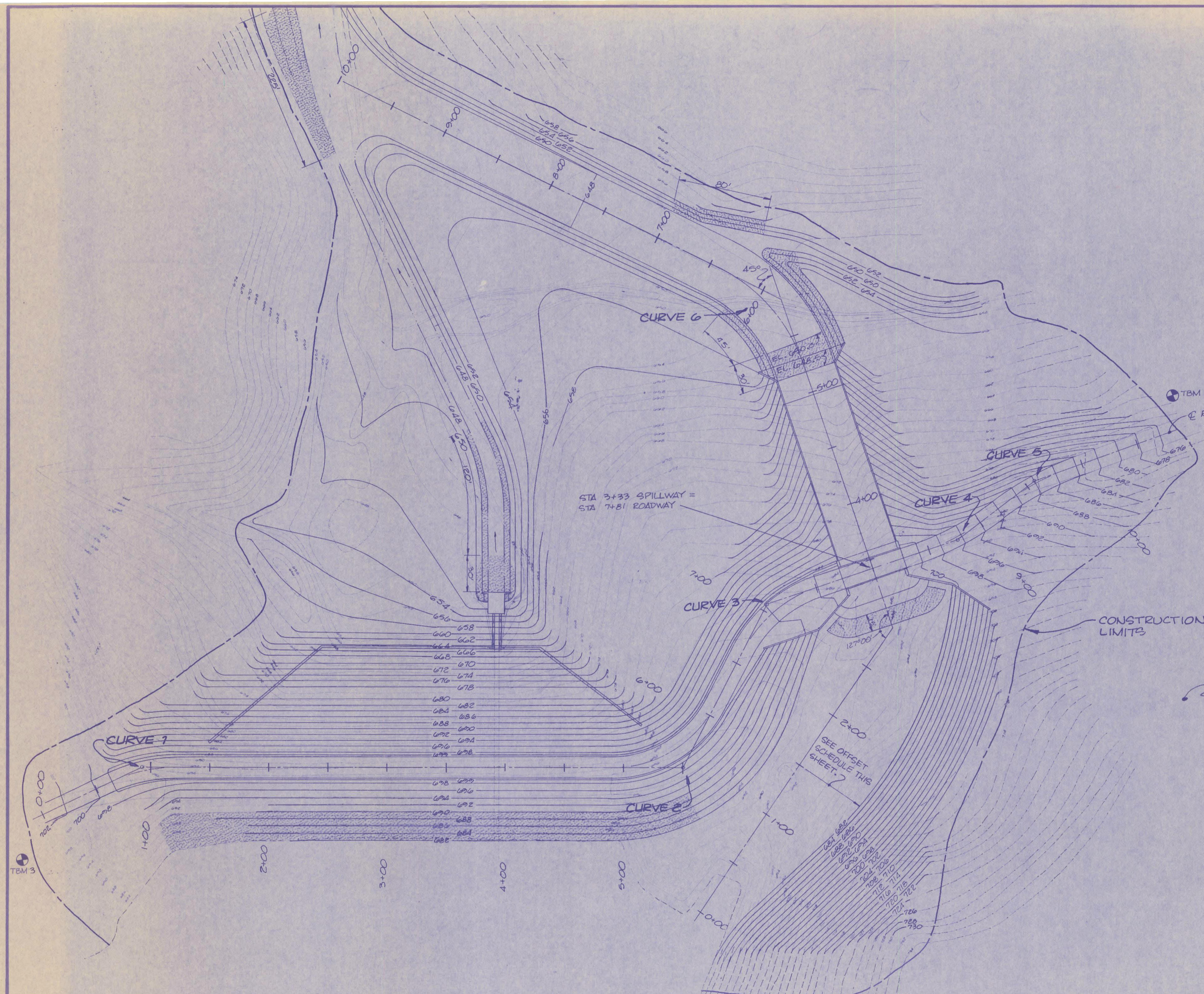
CURVE DATA

CURVE 1 Δ = 23° 53' 15" R _c = 38° 11' 50" R = 150.0' L = 62.54' T = 31.73' PC = 0+61.27 PT = 1+23.81	CURVE 2 Δ = 62° 45' 00" R _c = 52° 33' 54" R = 109.0' L = 119.38' T = 66.47' PC = 4+82.61 PT = 6+01.99
CURVE 3 Δ = 44° 07' 00" R _c = 51° 09' 25" R = 112.0' L = 86.24' T = 45.38' PC = 6+46.14 PT = 7+32.38	CURVE 4 Δ = 18° 45' 00" R _c = 98° 47' 09" R = 58.0' L = 18.98' T = 9.58' PC = 8+47.42 PT = 8+66.40
CURVE 5 Δ = 17° 30' 00" R _c = 42° 09' 54" R = 139.0' L = 41.50' T = 21.39' PC = 9+16.93 PT = 9+58.43	CURVE 6 - SPILLWAY Δ = 45° 00' 00" R _c = 40° 55' 24" R = 140.0' L = 109.96' T = 57.99' PC = 5+26.01 PT = 6+35.97

TBM 2 - EL. 672.10 - RAILROAD SPIKE IN SHAG BARK HICKORY TREE 30' LEFT OF END OF PROJECT.
TBM 3 - EL. 693.50 - RAILROAD SPIKE IN 8" OAK 30' RIGHT FROM BEGINNING OF PROJECT.

OFFSET SCHEDULE

STA 0+00	31' (RIGHT)
STA 0+50	41' "
STA 1+00	52.5' "
STA 1+50	61.5' "
STA 2+00	62.5' "
STA 2+50	56.5' "



ENGINEER'S SEAL	PROJECT NO. 9002-02	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
	DRAWN BY: PDV						
	TRACED BY:						
	CHECKED BY:						
	APPROVED BY: CEM						
	DATE: JAN 82						
	SCALE: 1" = 40'						

DAM REPAIRS
CAMPBELL CO. LAKE DAM

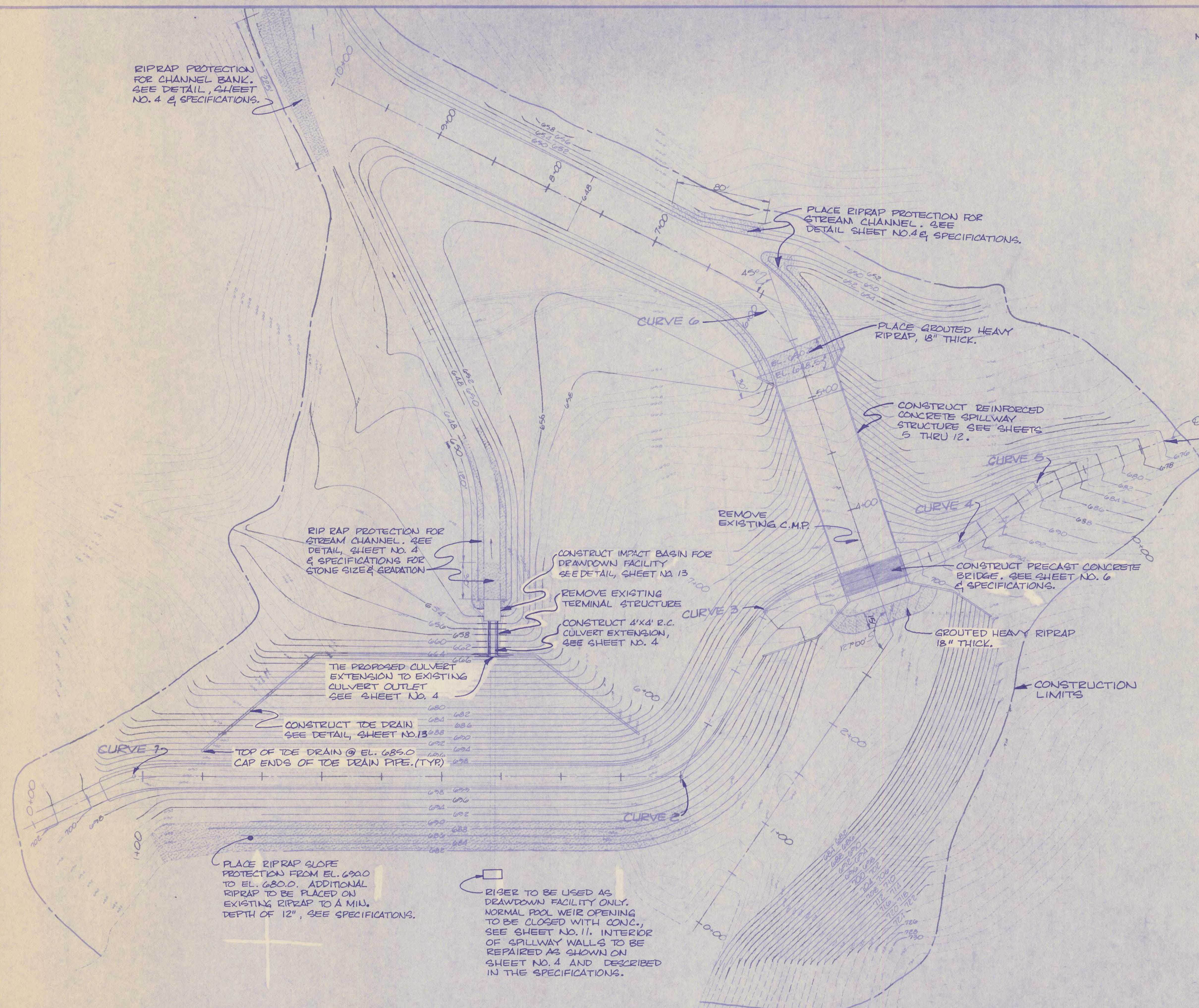


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REVISIONS	DATE	REGRADE & ROADWAY PLAN		DRAWING NO.
		RECORD DATE		2
		DRAWN BY	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	25
		CHECKED BY		REVIEWED DIV. OF ENGR.
		A & E FILE NO.	9002-02	For Intent Only ENGR. FILE NO. K-92
		DATE	DATE	
		AGENCY AUTHORIZED AGENT	Edmund J. Colth Approved For Program Concept Only	DATE 3-15-82
		DIVISION OF ENGINEERING	Approved For Program Concept Only	DATE 3-15-82

M10-291

- NOTES:
1. ALL DISTURBED AREAS SHALL BE GRASSED PER SPECIFICATIONS.
 2. SEE SHEET NO. 4 FOR DETAILS OF ROAD REPLACEMENT.
 3. EXISTING ROADWAY PAVING ACROSS DAM CREST TO BE REMOVED. NEW BITUMINOUS PAVEMENT TO BE CONSTRUCTED ACROSS PROPOSED DAM CREST AS SHOWN ON THE PLANS AND STIPULATED IN THE SPECIFICATIONS.



RIPRAP PROTECTION FOR CHANNEL BANK. SEE DETAIL, SHEET NO. 4 & SPECIFICATIONS.

PLACE RIPRAP PROTECTION FOR STREAM CHANNEL. SEE DETAIL SHEET NO. 4 & SPECIFICATIONS.

PLACE GROUTED HEAVY RIPRAP, 18" THICK.

CONSTRUCT REINFORCED CONCRETE SPILLWAY STRUCTURE SEE SHEETS 5 THRU 12.

END PROPOSED ROAD CONSTRUCTION STA 10+57.04

RIP RAP PROTECTION FOR STREAM CHANNEL. SEE DETAIL, SHEET NO. 4 & SPECIFICATIONS FOR STONE SIZE & GRADATION

CONSTRUCT IMPACT BASIN FOR DRAWDOWN FACILITY SEE DETAIL, SHEET NO. 13

REMOVE EXISTING TERMINAL STRUCTURE
CONSTRUCT 4'x4' R.C. CULVERT EXTENSION, SEE SHEET NO. 4

CONSTRUCT PRECAST CONCRETE BRIDGE, SEE SHEET NO. 6 & SPECIFICATIONS.

GROUTED HEAVY RIPRAP 18" THICK.

TIE PROPOSED CULVERT EXTENSION TO EXISTING CULVERT OUTLET SEE SHEET NO. 4

CONSTRUCT TOE DRAIN SEE DETAIL, SHEET NO. 13

TOP OF TOE DRAIN @ EL. 685.0
CAP ENDS OF TOE DRAIN PIPE. (TYP)

PLACE RIPRAP SLOPE PROTECTION FROM EL. 690.0 TO EL. 680.0. ADDITIONAL RIPRAP TO BE PLACED ON EXISTING RIPRAP TO A MIN. DEPTH OF 12", SEE SPECIFICATIONS.

RISER TO BE USED AS DRAWDOWN FACILITY ONLY. NORMAL POOL WEIR OPENING TO BE CLOSED WITH CONC., SEE SHEET NO. 11. INTERIOR OF SPILLWAY WALLS TO BE REPAIRED AS SHOWN ON SHEET NO. 4 AND DESCRIBED IN THE SPECIFICATIONS.

REVISIONS		DATE	GENERAL PLAN		DRAWING NO.
			RECORD DATE		3
			DRAWN BY	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	25
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			A & E FILE NO.		
			9002-02	mayes, sudderth & etheredge, inc. Lexington • Atlanta • Orlando	
			DATE		
			AGENCY	Edmond J. Cottrell	DATE 3-15-82
			AUTHORIZED AGENT		
			DIVISION OF ENGINEERING	R. B. Mayes	DATE 3-15-82

ENGINEER'S SEAL	PROJECT NO.	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
	9002-02						
	DRAWN BY: PDV						
	TRACED BY:						
	CHECKED BY:						
	APPROVED BY: CFM						
	DATE: JAN '82						
	SCALE: 1" = 40'						

DAM REPAIRS CAMPBELL CO. LAKE DAM

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M10-292

-NOTES-

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

End Treatment Type A or End Treatment Type B shall be to the pay limits as detailed and the contract unit price each shall include Terminal Section No. 2, Steel "W" Beam Guardrail, Guard Posts, Angle Brkts, Concrete Anchor Block, Excavation, Labor, Hardware, and Incidentals necessary for the installation.

CONSTRUCTION REQUIREMENTS

Splice bolts at Terminal Section No. 2 shall be loosely tightened and centered to allow maximum movement due to expansion. One (1) $\frac{1}{16}$ " washer required for each Splice Bolt.

MATERIAL REQUIREMENTS

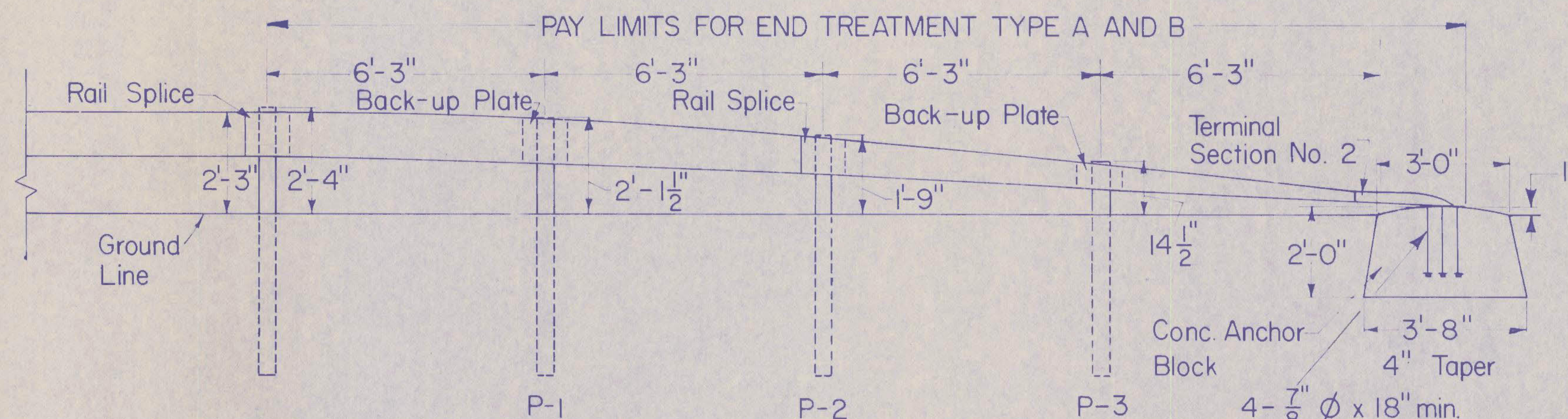
All metal components except Terminal Section No. 2 shall meet the same requirements as the adjacent installation.

Approx. Quantity for Anchor Block

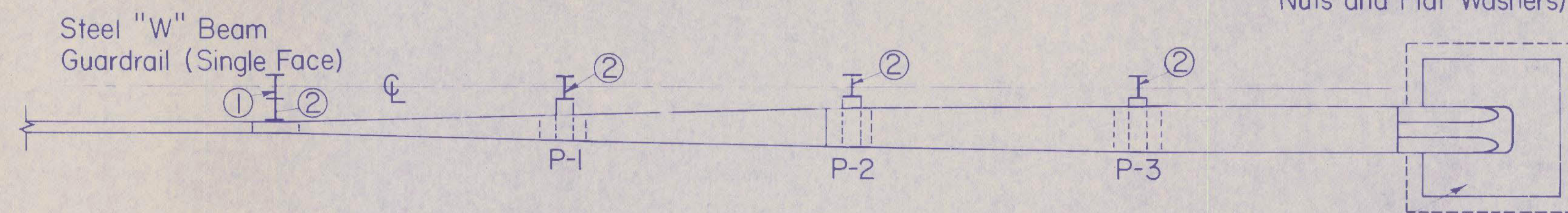
$\frac{83}{100}$ Cu. Yd. Class "A" Conc. for Type "A" Installation.

1.26 Cu. Yd. Class "A" Conc. for Type "B" Installation.

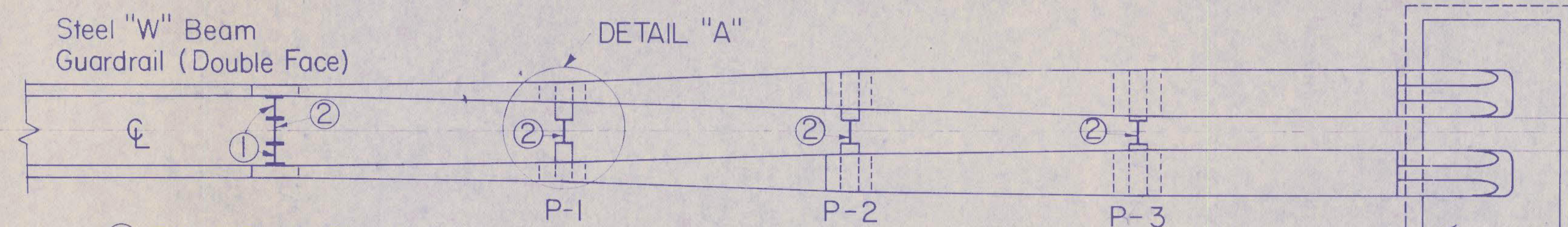
Anchor Block shall be Tapered 4" on all four sides.



ELEVATION - END TREATMENT TYPE A AND B



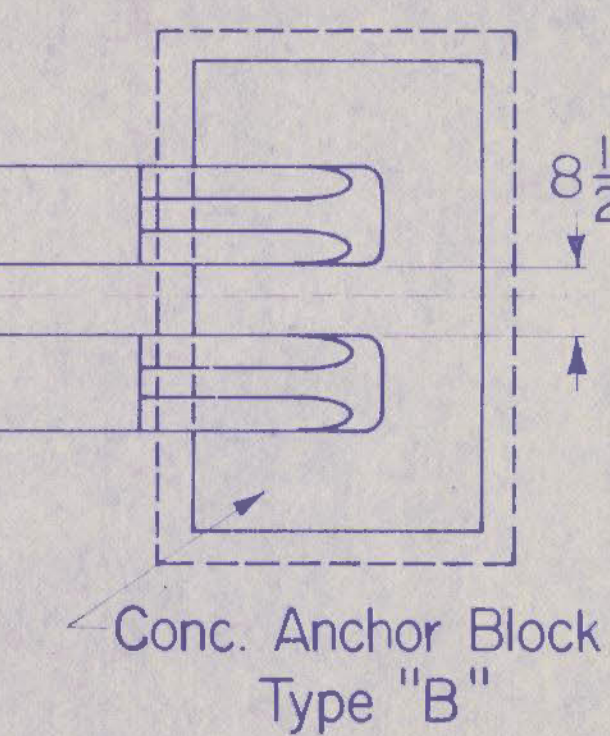
PLAN - END TREATMENT TYPE A



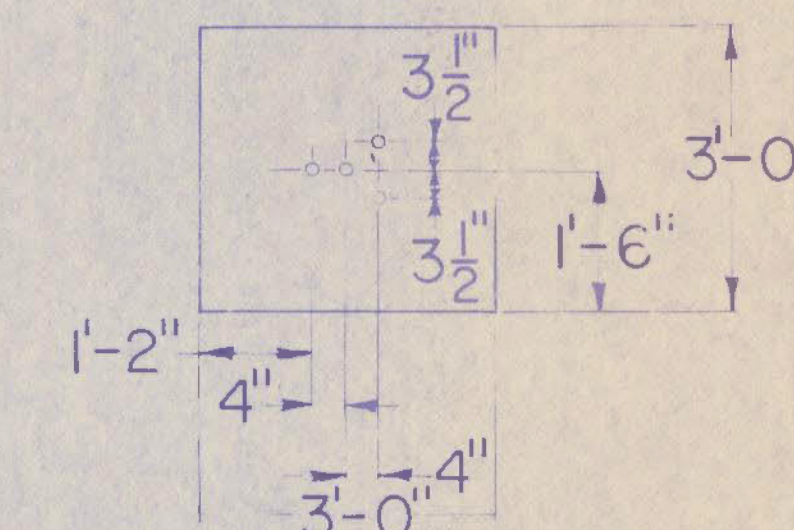
PLAN - END TREATMENT TYPE B

- ① Offset Block Type I
- ② Guard rail Post

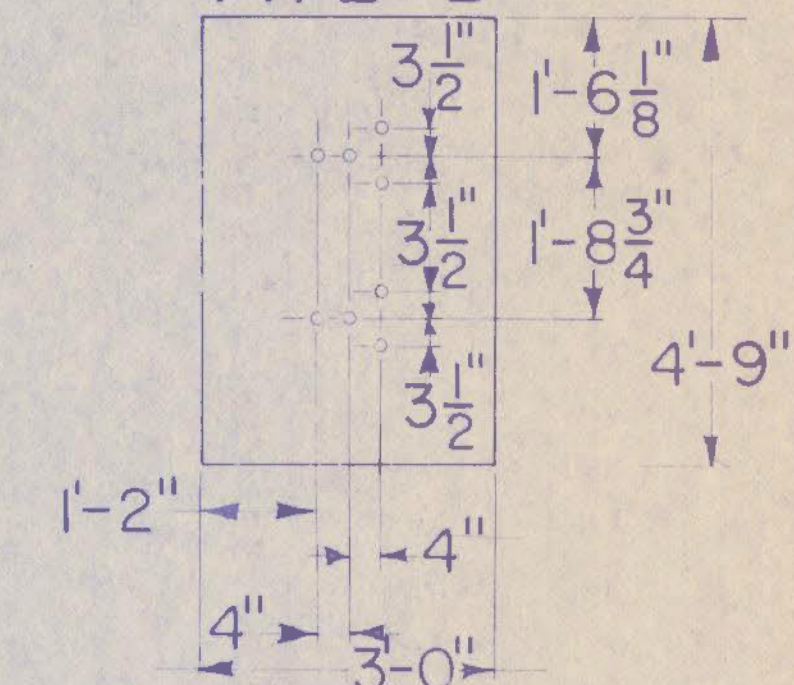
Conc. Anchor Block Type "A"



CONC. ANCHOR BLOCK TYPE "A"



CONC. ANCHOR BLOCK TYPE "B"

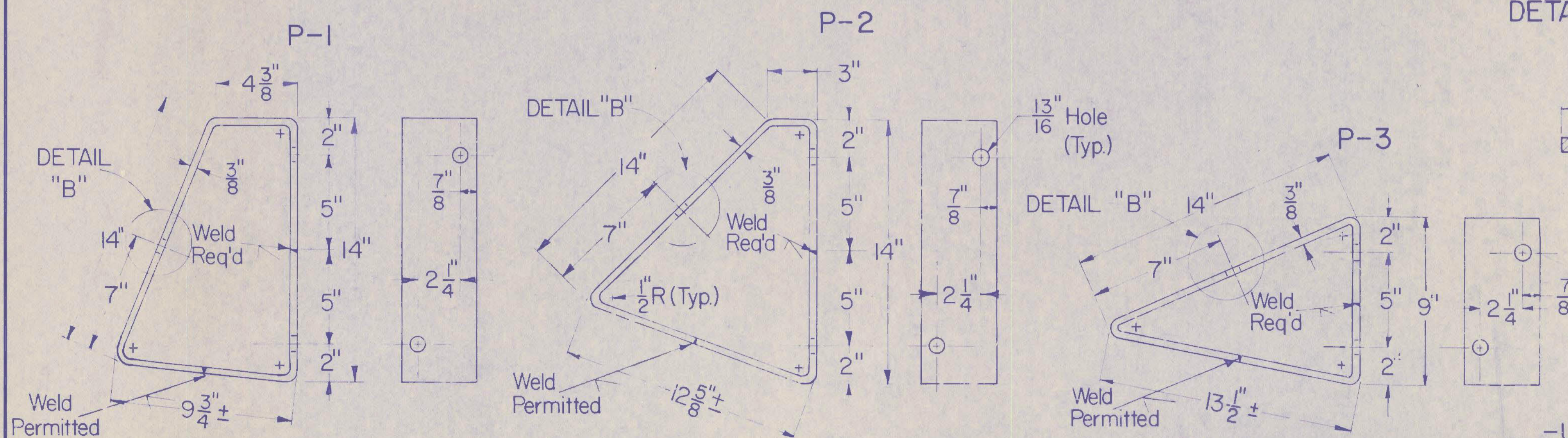
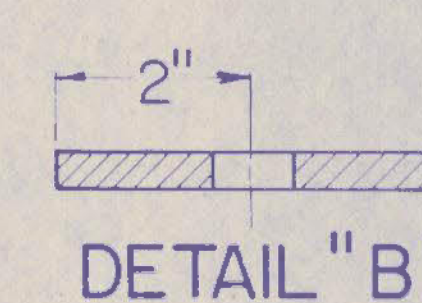


Omit one angle for single rail Structure

- 8 Washers $\frac{5}{8}$ "

- 4 Hex Head Bolts & Hex Nuts $\frac{5}{8}$ " x $1\frac{1}{2}$ "

P-1 ANGLE BRACKET DETAIL "A"



ANGLE BRACKET

-Use With-
Guard Rail Terminal Sections
and Guard Rail Posts Drawings.

KENTUCKY BUREAU OF HIGHWAYS

GUARDRAIL END TREATMENT TYPE A & TYPE B

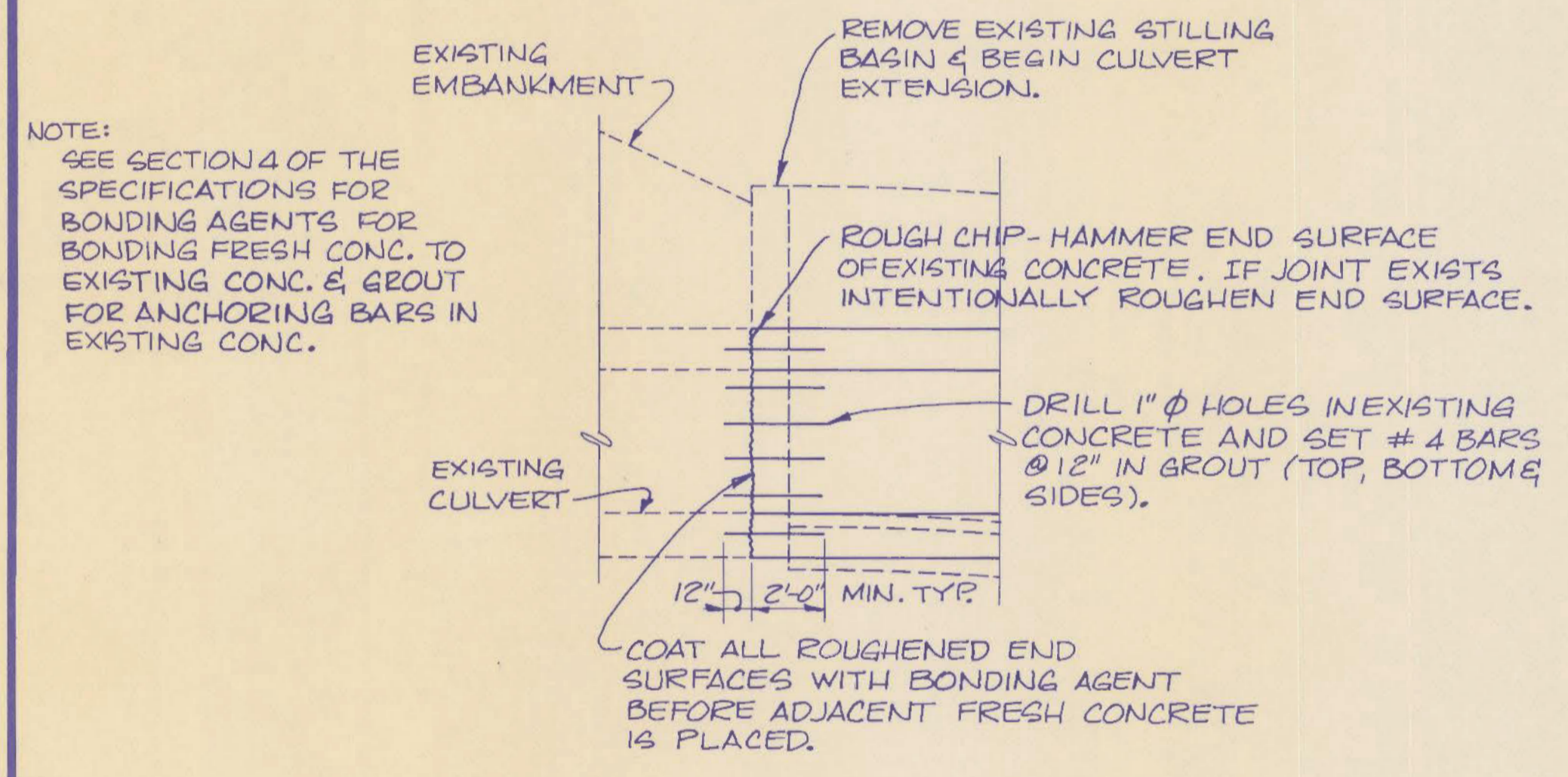
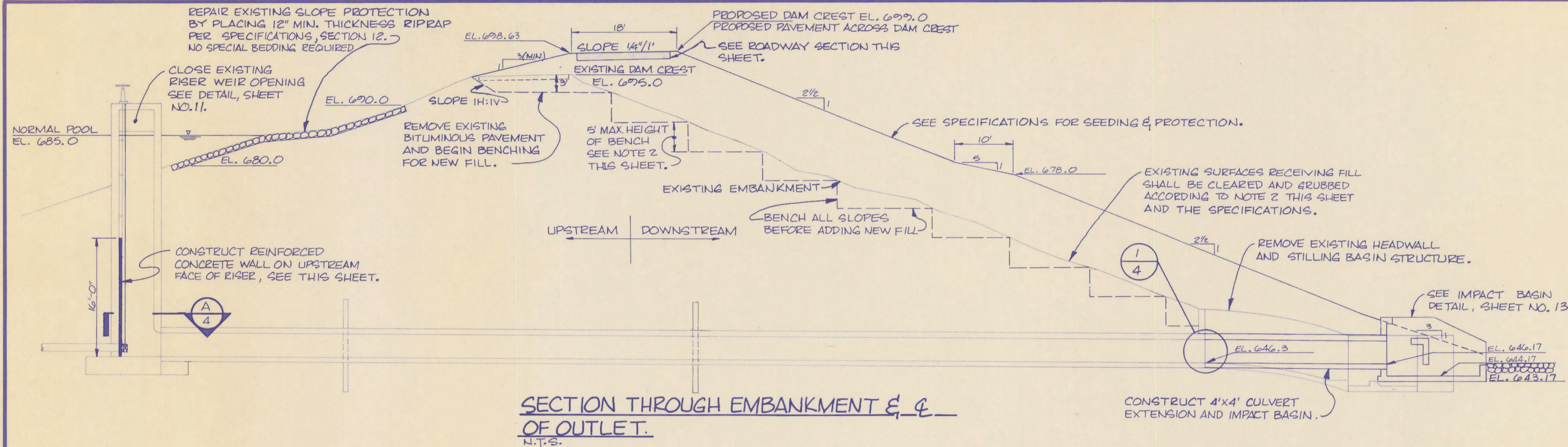
STANDARD DRAWING No. _____

SUBMITTED: _____ ASST. DIRECTOR DIVISION OF DESIGN _____ DATE: _____

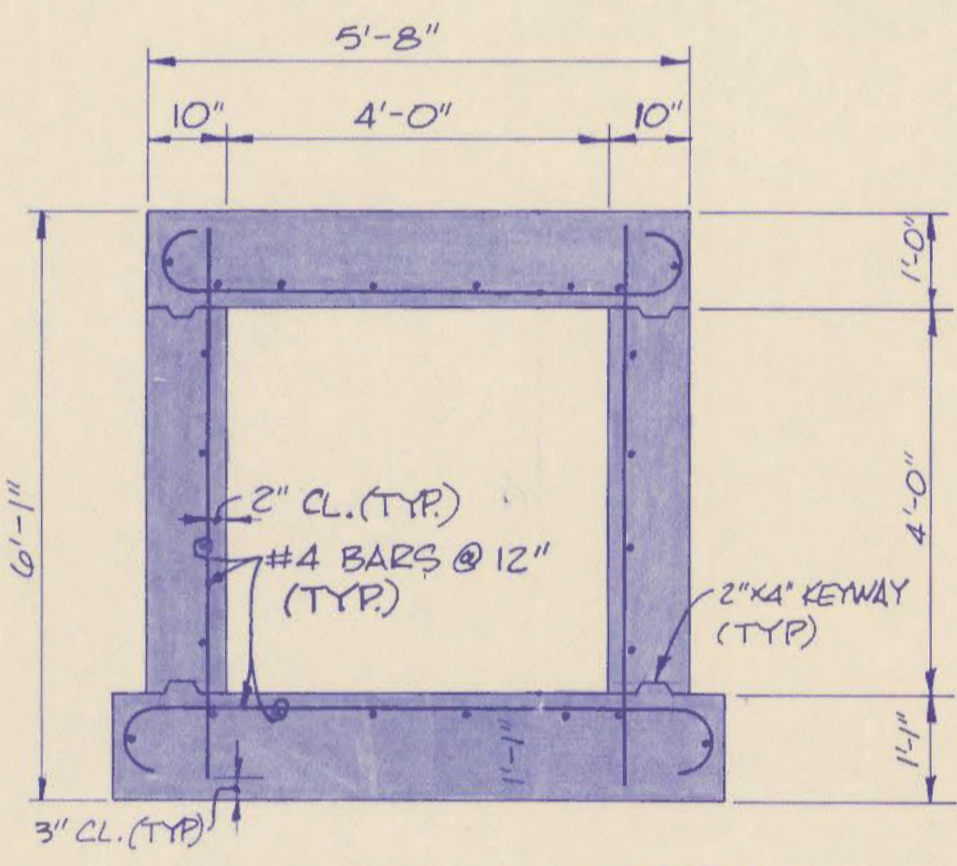
APPROVED: _____ STATE HIGHWAY ENGINEER _____ DATE: _____

DATE: 8-1-77
DRAWN: D.H.P.
CHECKED: S.C.A.
RECOMMENDED: _____

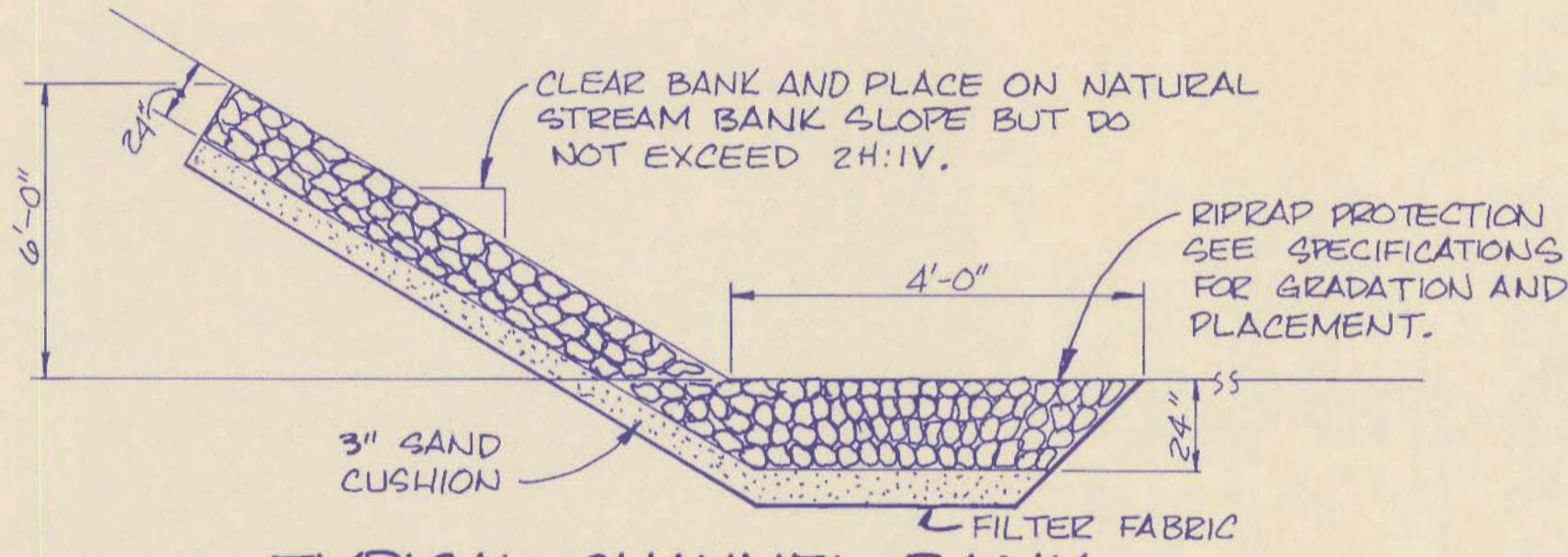
M10-292-B



CULVERT CONNECTION DETAIL
SCALE: N.T.S.

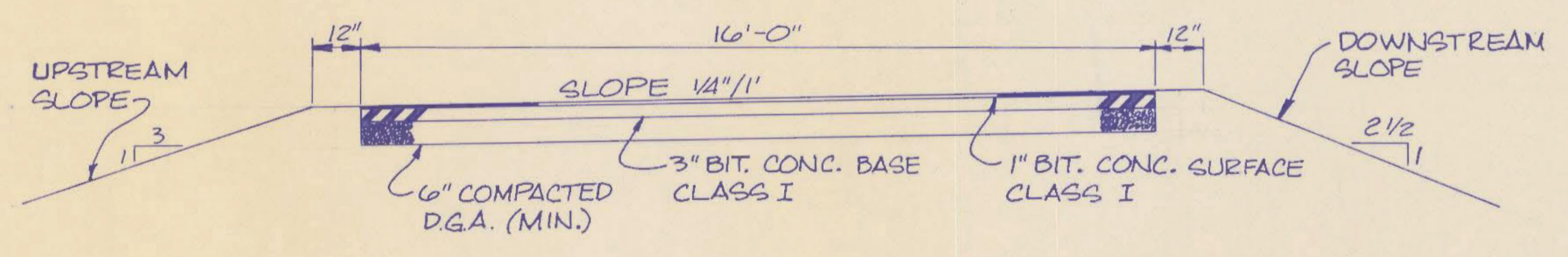


TYPICAL SECTION CULVERT EXTENSION
SCALE: 1/2" = 1'-0"

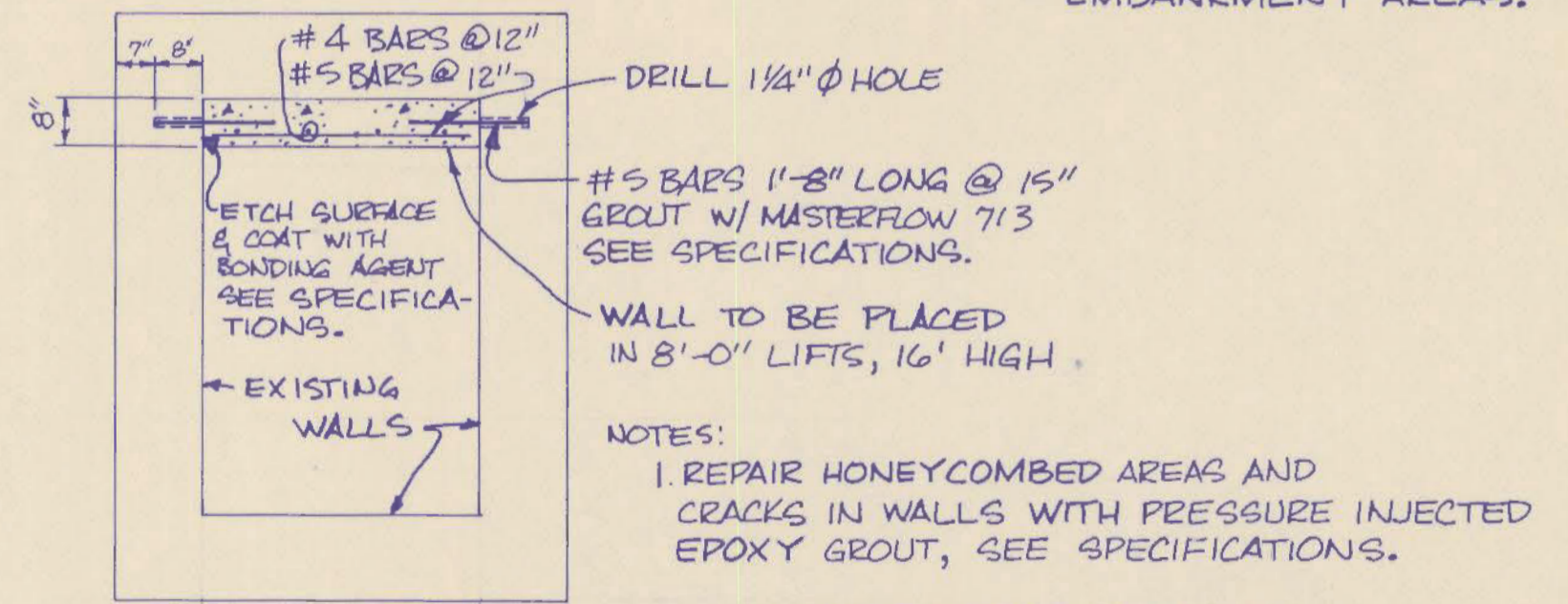


TYPICAL CHANNEL BANK PROTECTION DETAIL
SCALE: N.T.S.

- NOTES:
1. ALL AREAS TO BE FILLED SHALL BE CLEARED OF ALL VEGETATION, ORGANIC AND UPPER DISTURBED MATERIAL. ALL SUCH AREAS SHALL BE INSPECTED AND APPROVED FOR FILLING BY THE ENGINEERS PRIOR TO FILL PLACEMENT.
 2. THE EXISTING EMBANKMENT SHALL BE BENCHED AND SCARIFIED TO PROVIDE A KEY FOR THE NEW FILL. AS THE FILL PROGRESSES, THE EXISTING EMBANKMENT SURFACE SHALL BE NOTCHED WITH EQUIPMENT BLADE PROVIDING BENCHES 2' TO 5' IN HEIGHT. THE EXACT PROCEDURE WILL BE AS DIRECTED BY THE ENGINEER ACCORDING TO THE SPECIFIC FIELD CONDITIONS. ALL ORGANIC MATERIAL SHALL BE REMOVED, STOCKPILED AND USED FOR GENERAL GRADING OUTSIDE THE EMBANKMENT AREAS.



TYPICAL ROADWAY SECTION
SCALE: 3/8" = 1'-0"



SECTION A-A
N.T.S.

- NOTES:
1. REPAIR HONEYCOMBED AREAS AND CRACKS IN WALLS WITH PRESSURE INJECTED EPOXY GROUT, SEE SPECIFICATIONS.
 2. COAT WALLS WITH GIKATOP 144 COATINGS AS PER MANUFACTURER'S RECOMMENDATIONS.

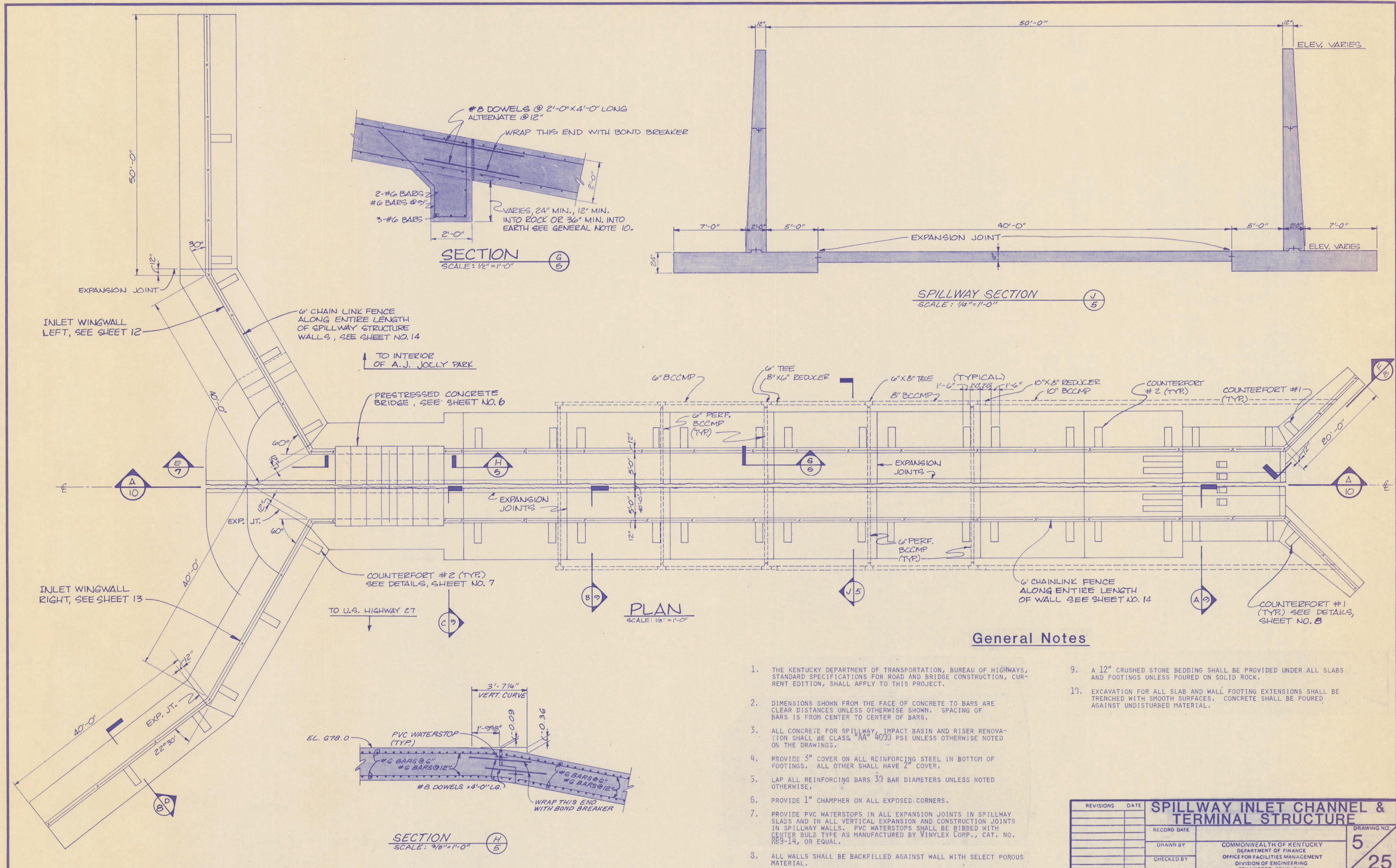
ENGINEER'S SEAL STATE OF KENTUCKY CARLOS F. MILLER 7384 REGISTERED PROFESSIONAL ENGINEER	PROJECT NO. 9002-02	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
	DRAWN BY: PDV TRACED BY: CHECKED BY: APPROVED BY: CFM DATE: JAN '82 SCALE: AS NOTED						

DAM REPAIRS
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REVISIONS		DATE	CULVERT & EMBANKMENT DETAILS		DRAWING NO.
			RECORD DATE	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	4
			DRAWN BY		25
			CHECKED BY		
			A & E FILE NO.	mayer, sudderth & etheredge, inc. engineers • architects • planners LEXINGTON • ATLANTA • ORLANDO	REVIEWED DIV. OF ENGR. For Intent Only ENGR. FILE NO. K-92
			DATE	9002-02	
			AGENCY AUTHORIZED AGENT	Edward J. Cottrell Approved For Program Concept Only	DATE 3-15-82
			DIVISION OF ENGINEERING	R. B. Wynn Approved For Program Concept Only	DATE 3-25-82

M10-293



General Notes

1. THE KENTUCKY DEPARTMENT OF TRANSPORTATION, BUREAU OF HIGHWAYS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, SHALL APPLY TO THIS PROJECT.
2. DIMENSIONS SHOWN FROM THE FACE OF CONCRETE TO BARS ARE CLEAR DISTANCES UNLESS OTHERWISE SHOWN. SPACING OF BARS IS FROM CENTER TO CENTER OF BARS.
3. ALL CONCRETE FOR SPILLWAY, IMPACT BASIN AND RISER RENOVATION SHALL BE CLASS "AA" 4000 PSI UNLESS OTHERWISE NOTED ON THE DRAWINGS.
4. PROVIDE 3" COVER ON ALL REINFORCING STEEL IN BOTTOM OF FOOTINGS. ALL OTHER SHALL HAVE 2" COVER.
5. LAP ALL REINFORCING BARS 30 BAR DIAMETERS UNLESS NOTED OTHERWISE.
6. PROVIDE 1" CHAMFER ON ALL EXPOSED CORNERS.
7. PROVIDE PVC WATERSTOPS IN ALL EXPANSION JOINTS IN SPILLWAY SLABS AND IN ALL VERTICAL EXPANSION AND CONSTRUCTION JOINTS IN SPILLWAY WALLS. PVC WATERSTOPS SHALL BE RIBBED WITH CENTER BULB TYPE AS MANUFACTURED BY VINYLEX CORP., CAT. NO. RB9-14, OR EQUAL.
8. ALL WALLS SHALL BE BACKFILLED AGAINST WALL WITH SELECT POROUS MATERIAL.
9. A 12" CRUSHED STONE BEDDING SHALL BE PROVIDED UNDER ALL SLABS AND FOOTINGS UNLESS POURED ON SOLID ROCK.
10. EXCAVATION FOR ALL SLAB AND WALL FOOTING EXTENSIONS SHALL BE TRENCHED WITH SMOOTH SURFACES. CONCRETE SHALL BE POURED AGAINST UNDISTURBED MATERIAL.

ENGINEER'S SEAL	PROJECT NO. 9002-02	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
	DRAWN BY: PDV						
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	DATE: JAN '82						
	SCALE: AS NOTED						

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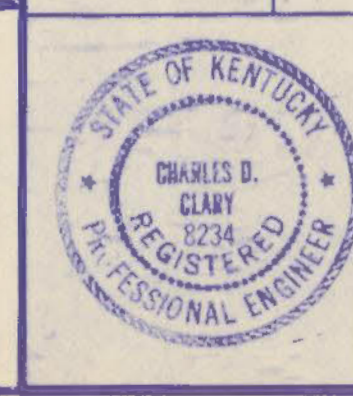
CAMPBELL CO. LAKE DAM

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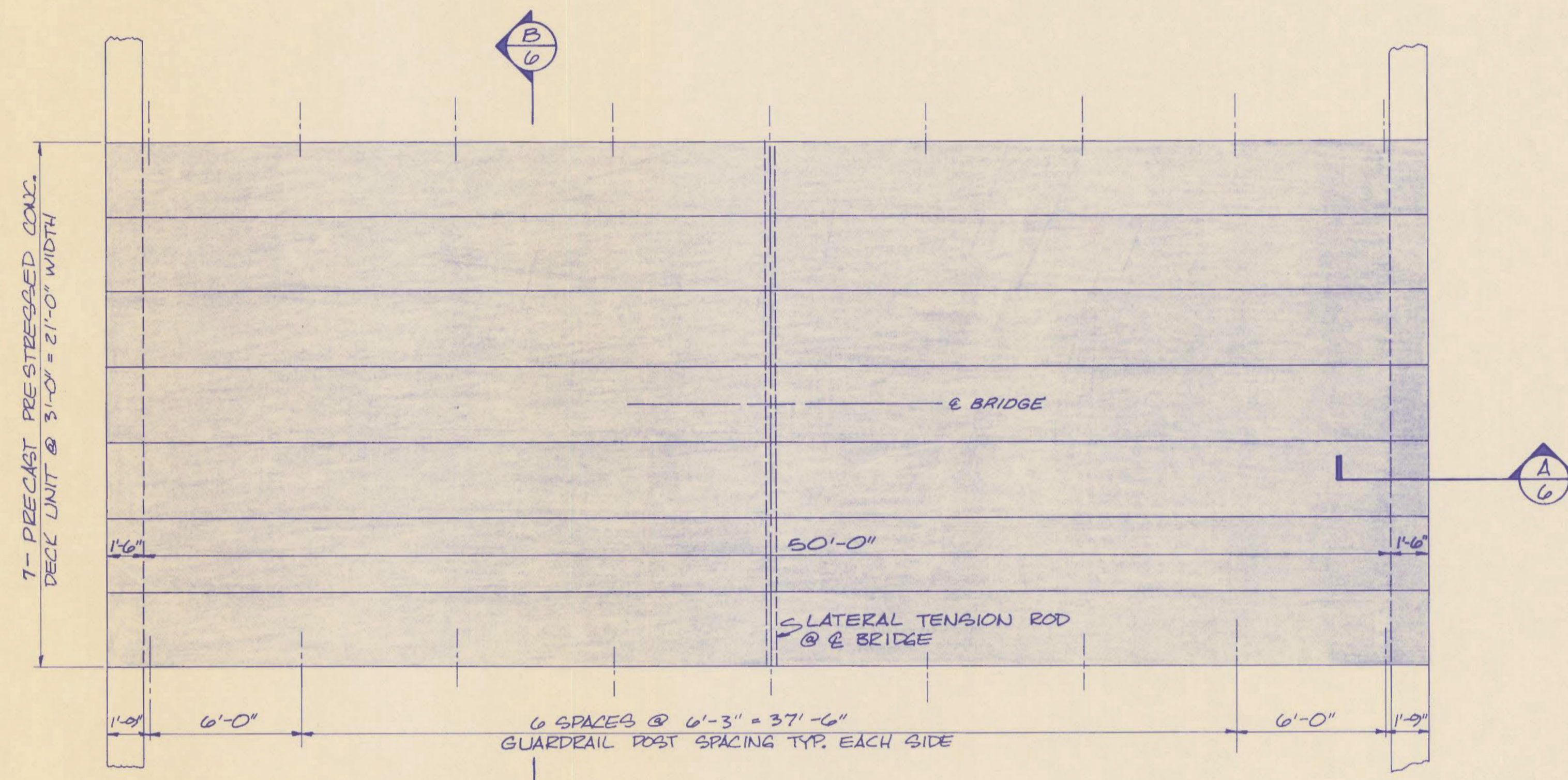
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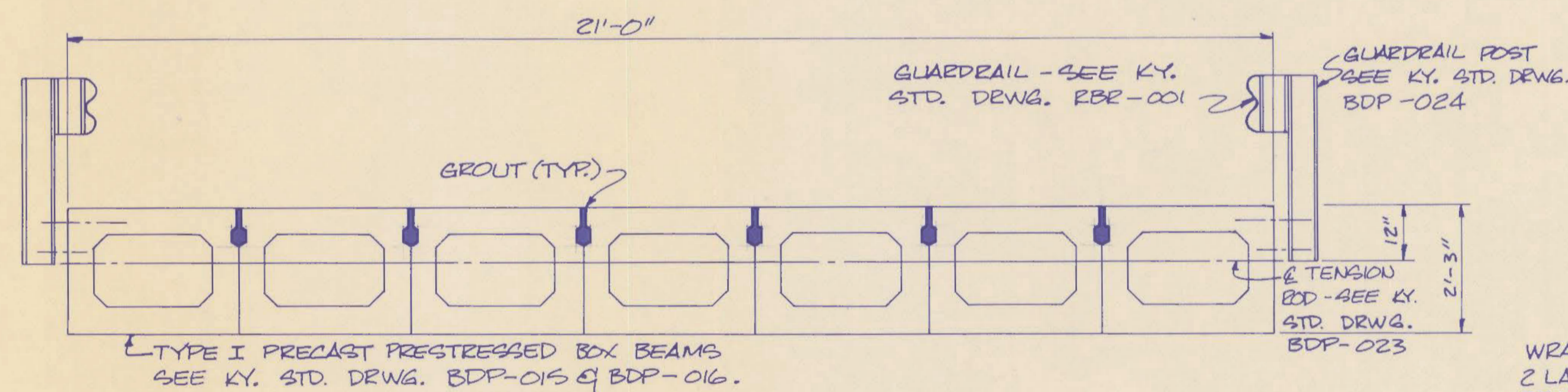
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DATE			REVIEWED	
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			ENGR. FILE NO.	
			K-76	
AGENCY AUTHORIZED AGENT		Approved For Program Concept Only	DATE: 3-15-82	
DIVISION OF ENGINEERING		Approved For Program Concept Only	DATE: 3-15-82	



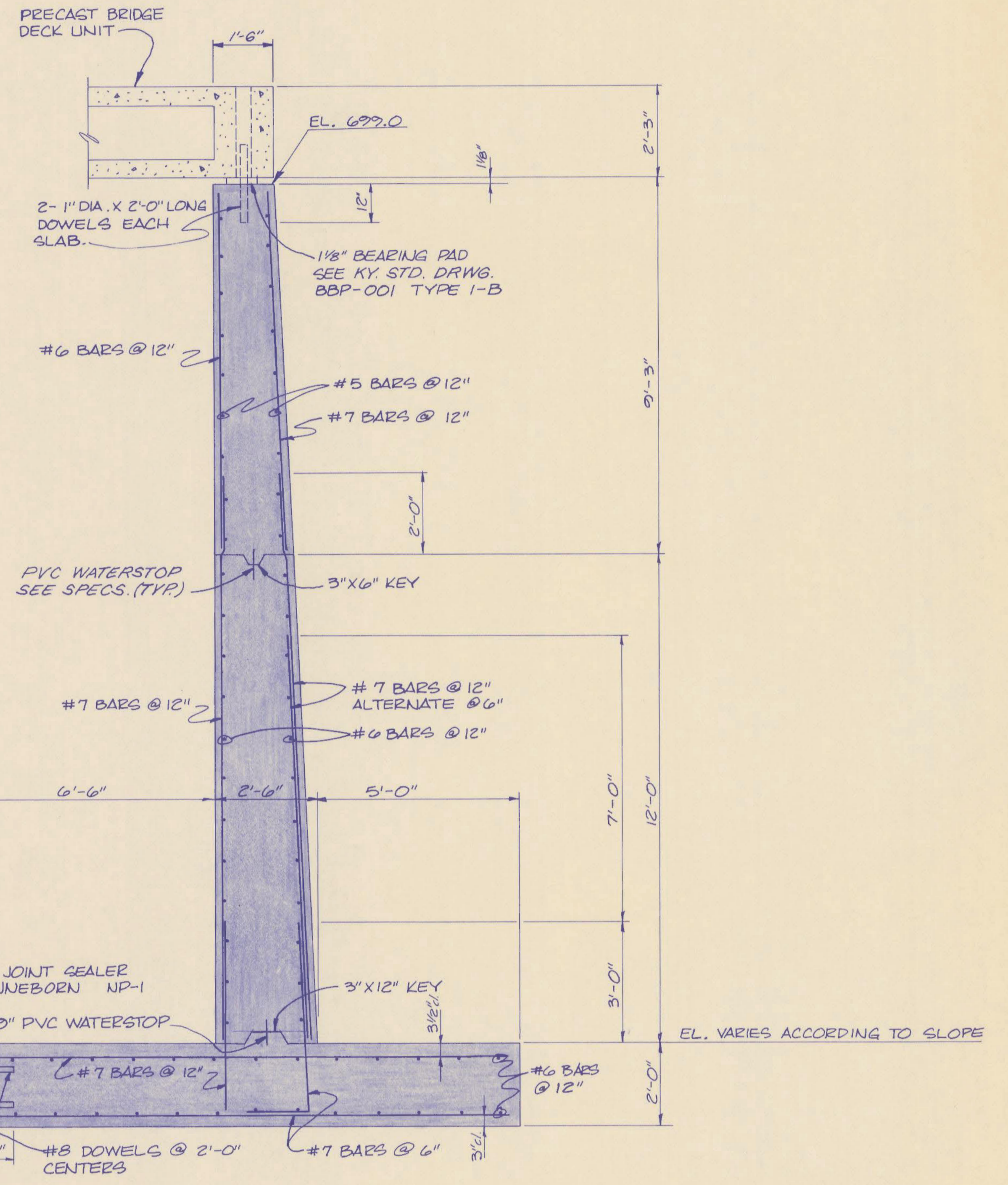
M10-2944



PLAN-BRIDGE DECK
SCALE: 1/4" = 1'-0"



SECTION B
SCALE: 1/2" = 1'-0"



SECTION A
SCALE: 1/2" = 1'-0"

REVISIONS		DATE	PRESTRESSED CONCRETE BRIDGE		DRAWING NO.
			RECORD DATE		6
			DRAWN BY	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	25
			CHECKED BY		REVIEWED DIV. OF ENGR.
			A & E FILE NO.		For Intent Only ENGR. FILE NO.
			DATE		
			AGENCY AUTHORIZED AGENT	Charles D. Clary Approved For Program Concept Only	DATE 3-15-81
			DIVISION OF ENGINEERING		DATE 3-15-81

ENGINEER'S SEAL	PROJECT NO.	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
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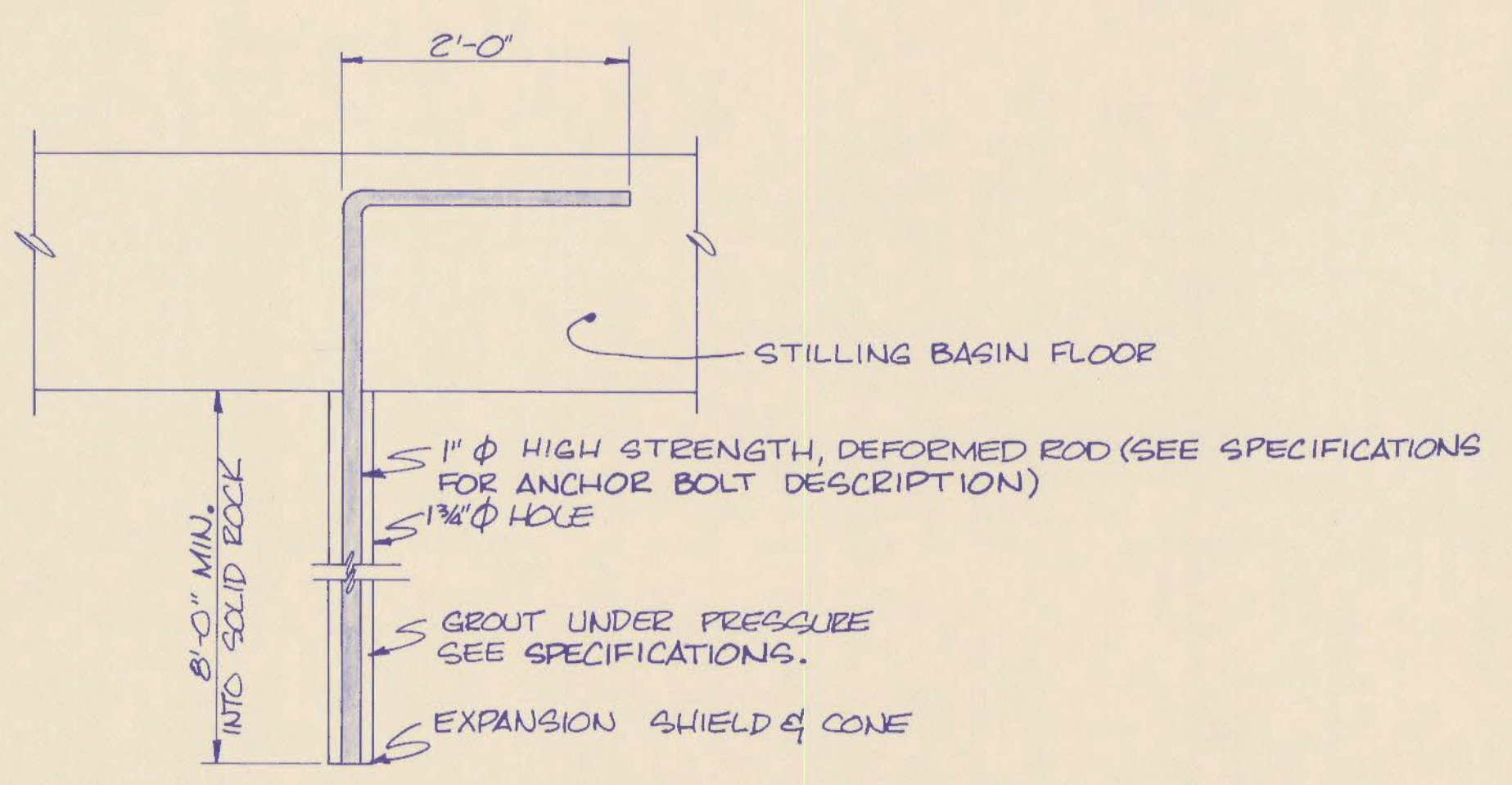
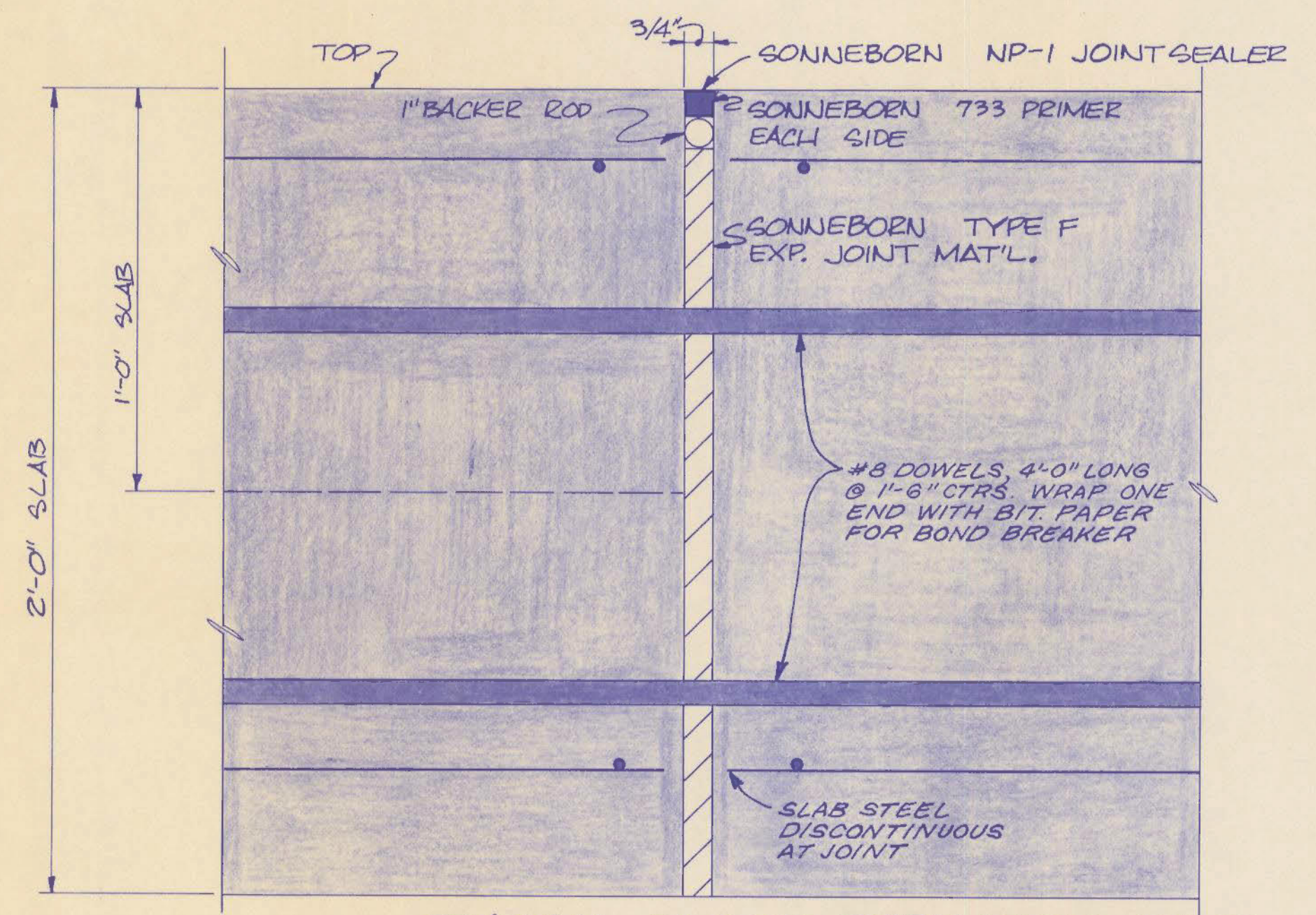
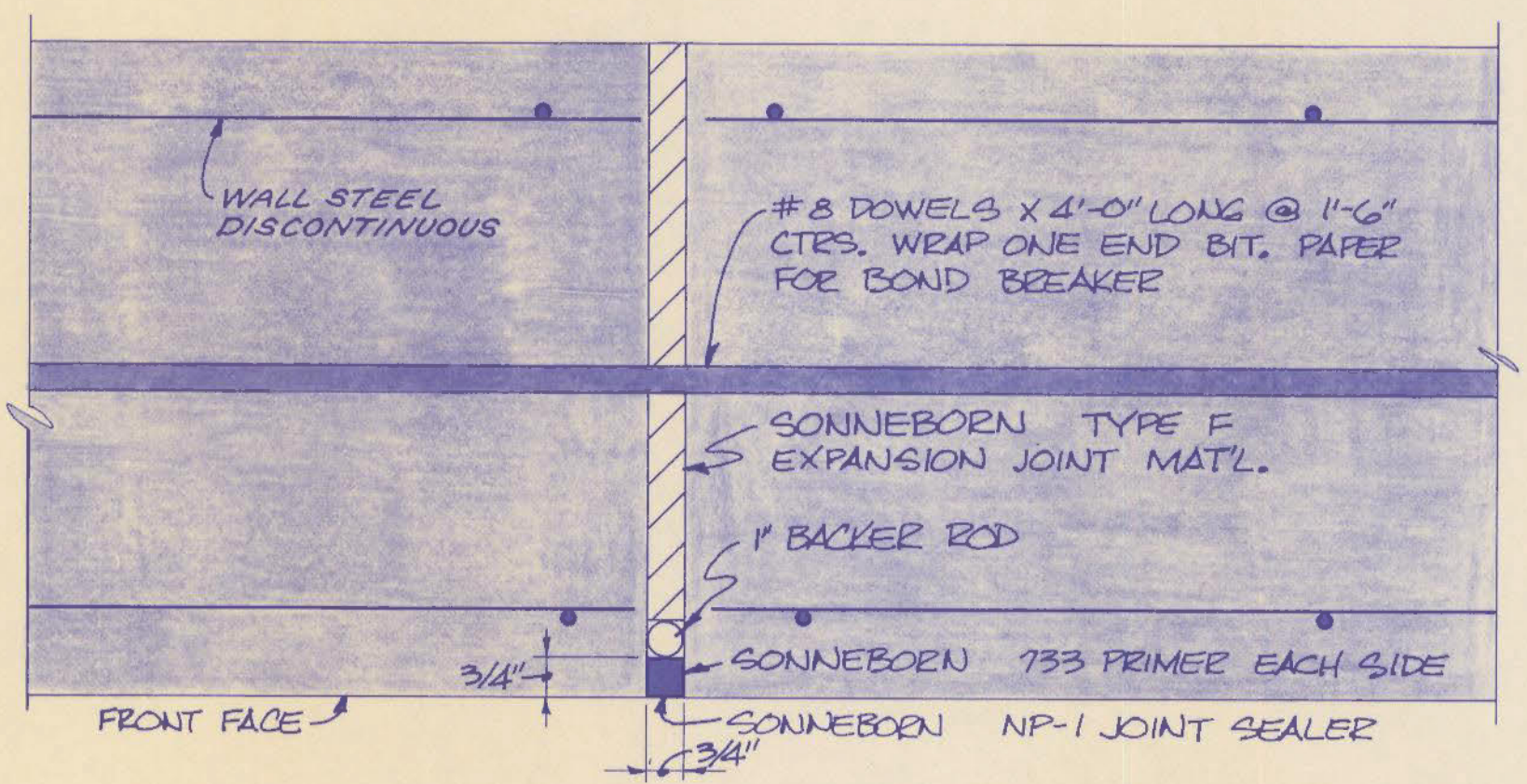
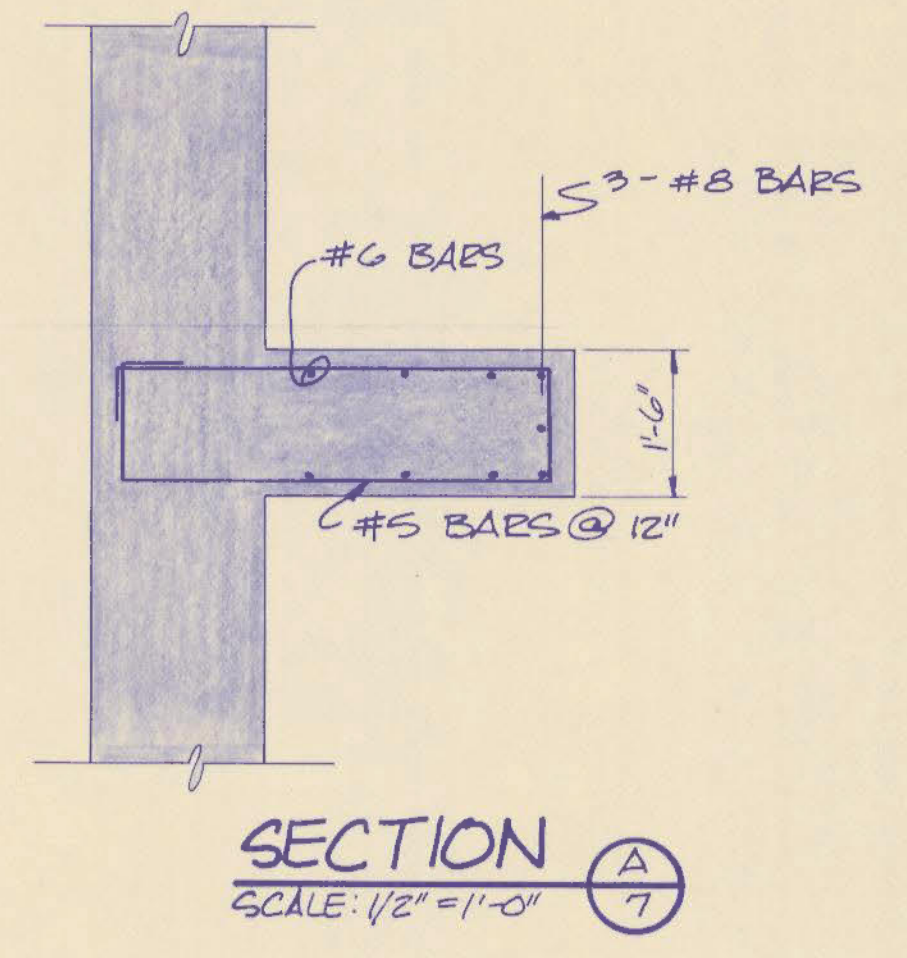
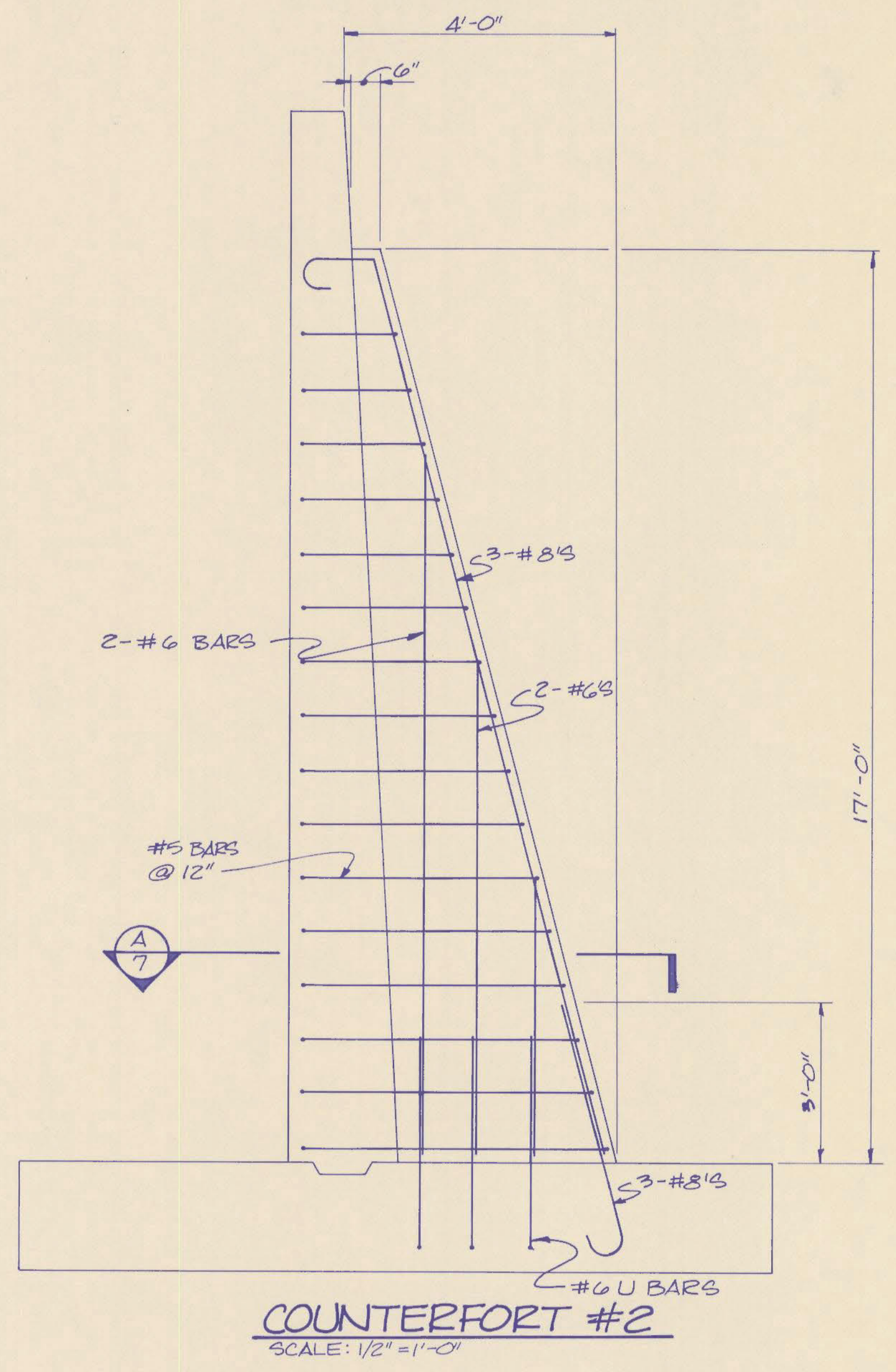
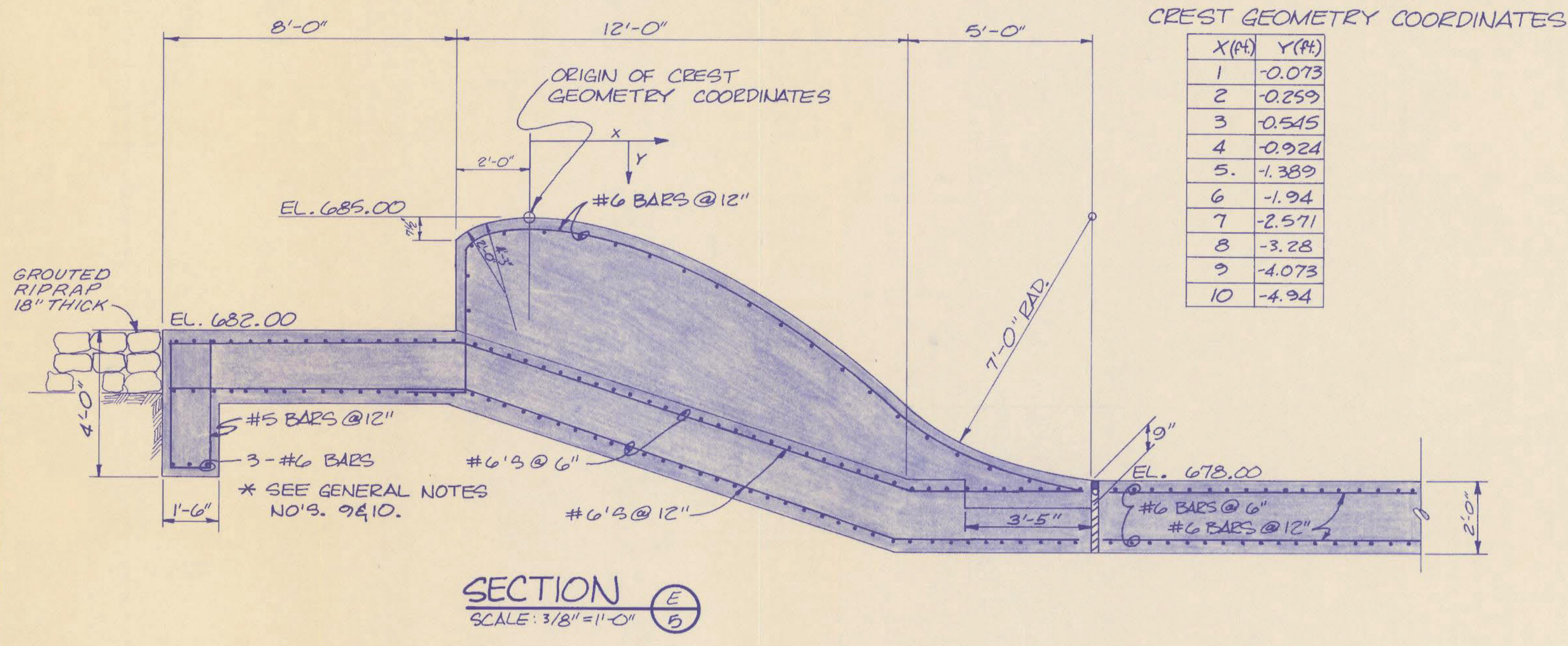
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1110-295



REVISIONS	DATE	SPILLWAY STRUCTURAL	
		RECORD DATE	DRAWING NO. 7
		DRAWN BY	25
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		A & E FILE NO.	For Intent Only ENGR. FILE NO. K-92
		DATE	
		AGENCY AUTHORIZED AGENT	DATE 3-15-82
		DIVISION OF ENGINEERING	DATE 3-15-82

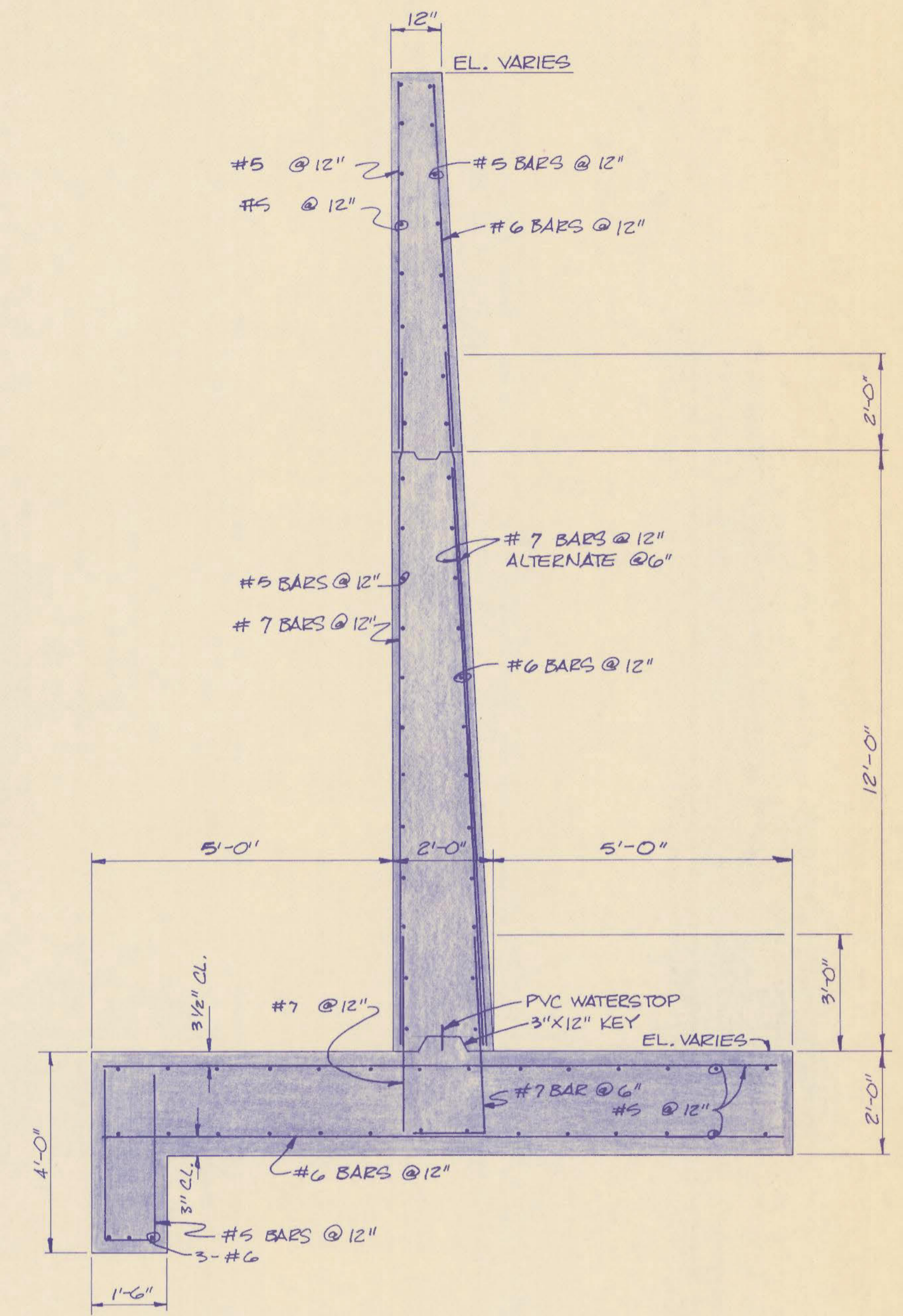
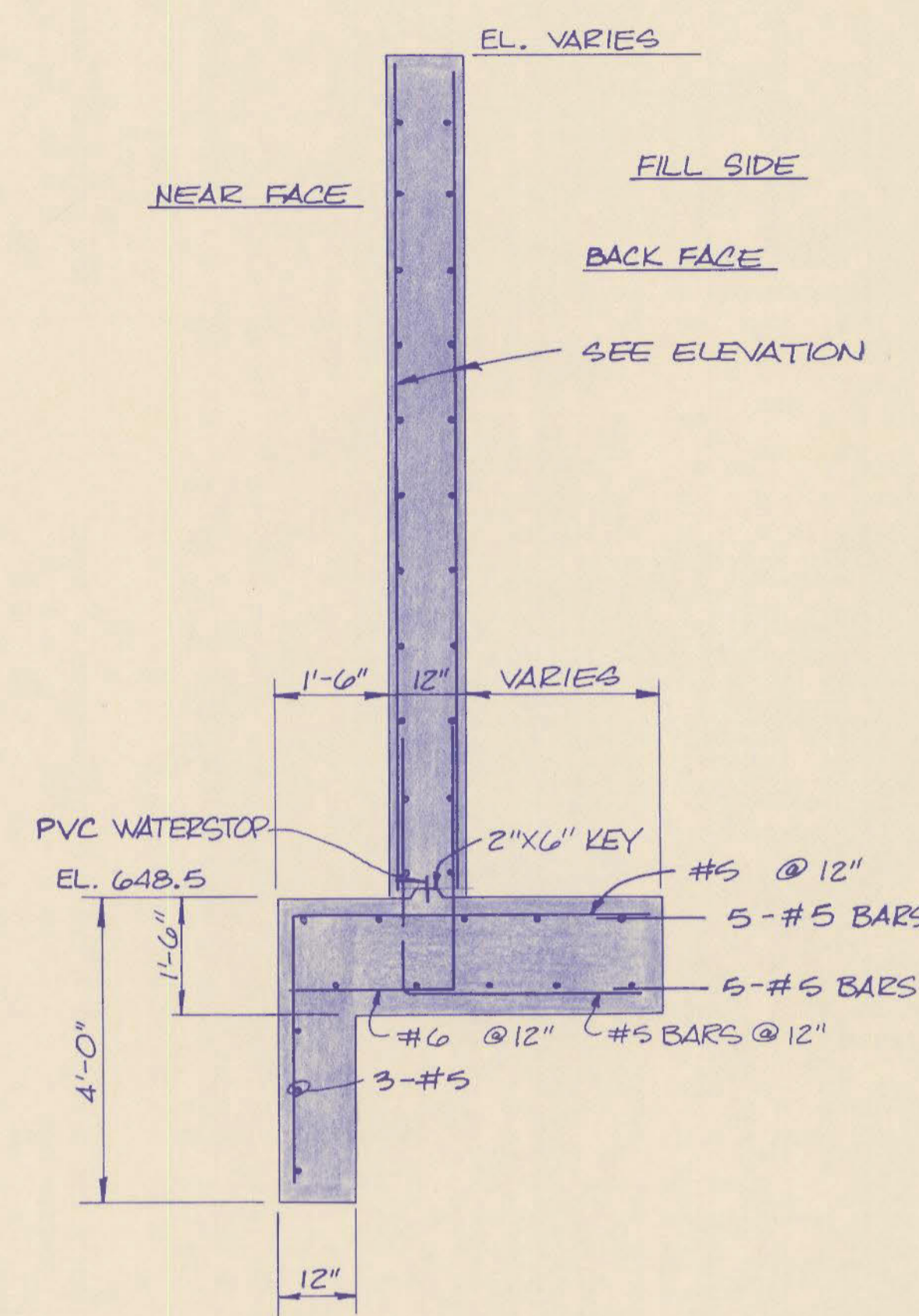
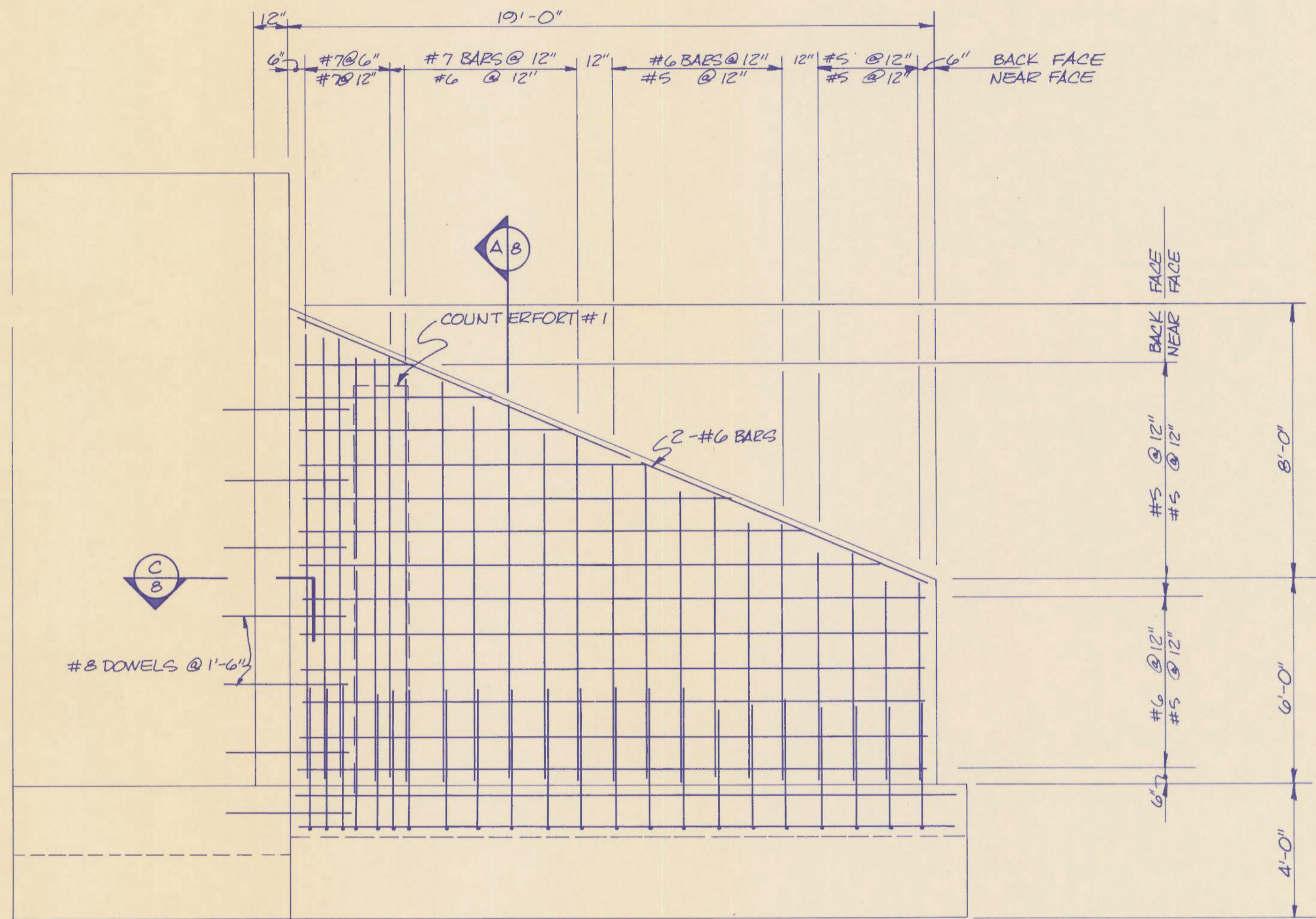
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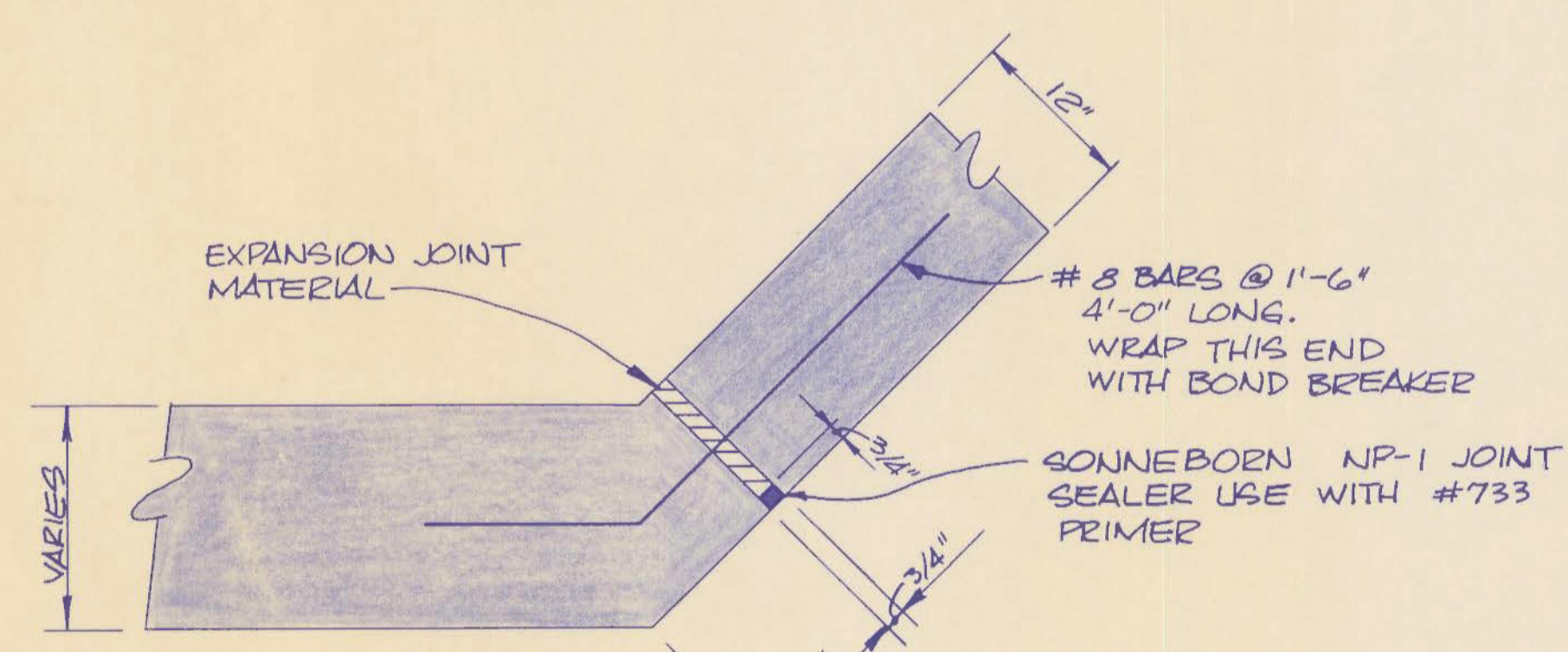
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STATE OF KENTUCKY
REGISTERED PROFESSIONAL ENGINEER
CHARLES D. CLARY
8234

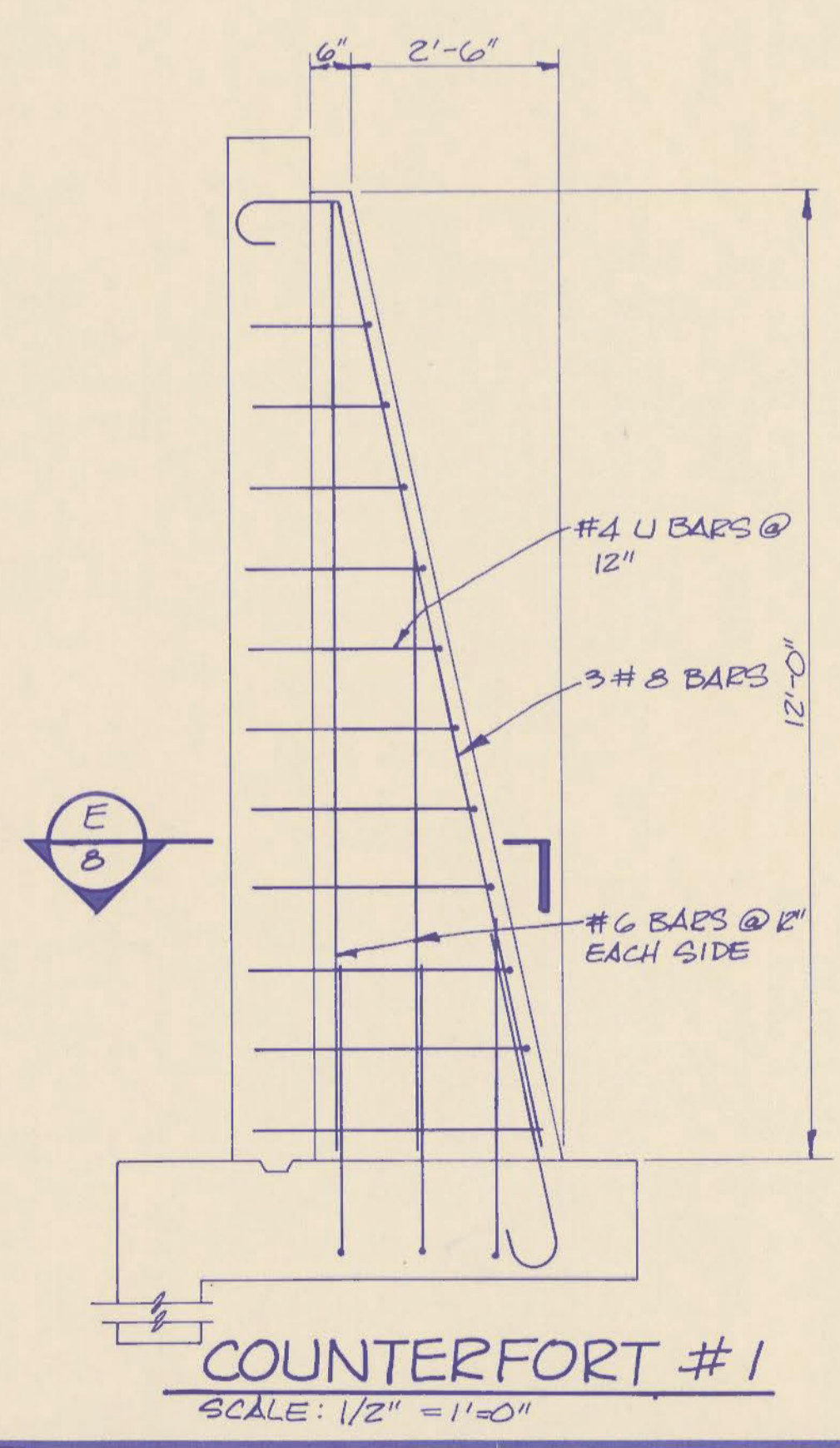
M10-296



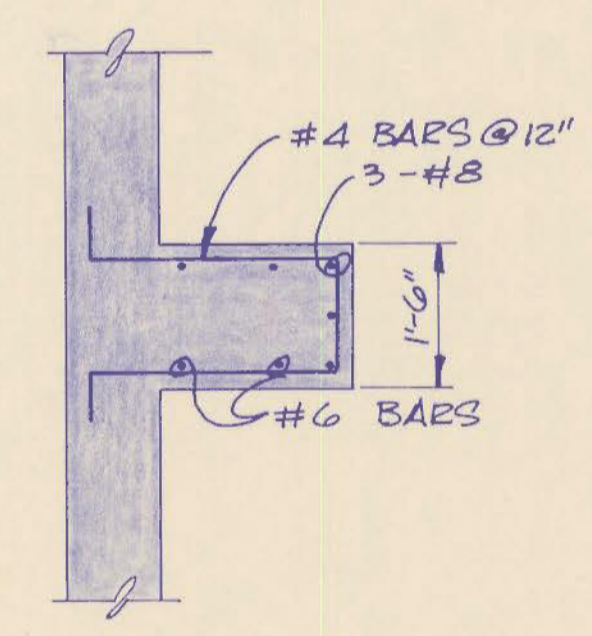
SECTION F
SCALE: 3/8" = 1'-0"



SECTION C
SCALE: 1" = 1'-0"



COUNTERFORT #1
SCALE: 1/2" = 1'-0"



SECTION E
SCALE: 1/2" = 1'-0"

SECTION D
SCALE: 1/2" = 1'-0"

* SEE GENERAL NOTES NO'S. 9 & 10

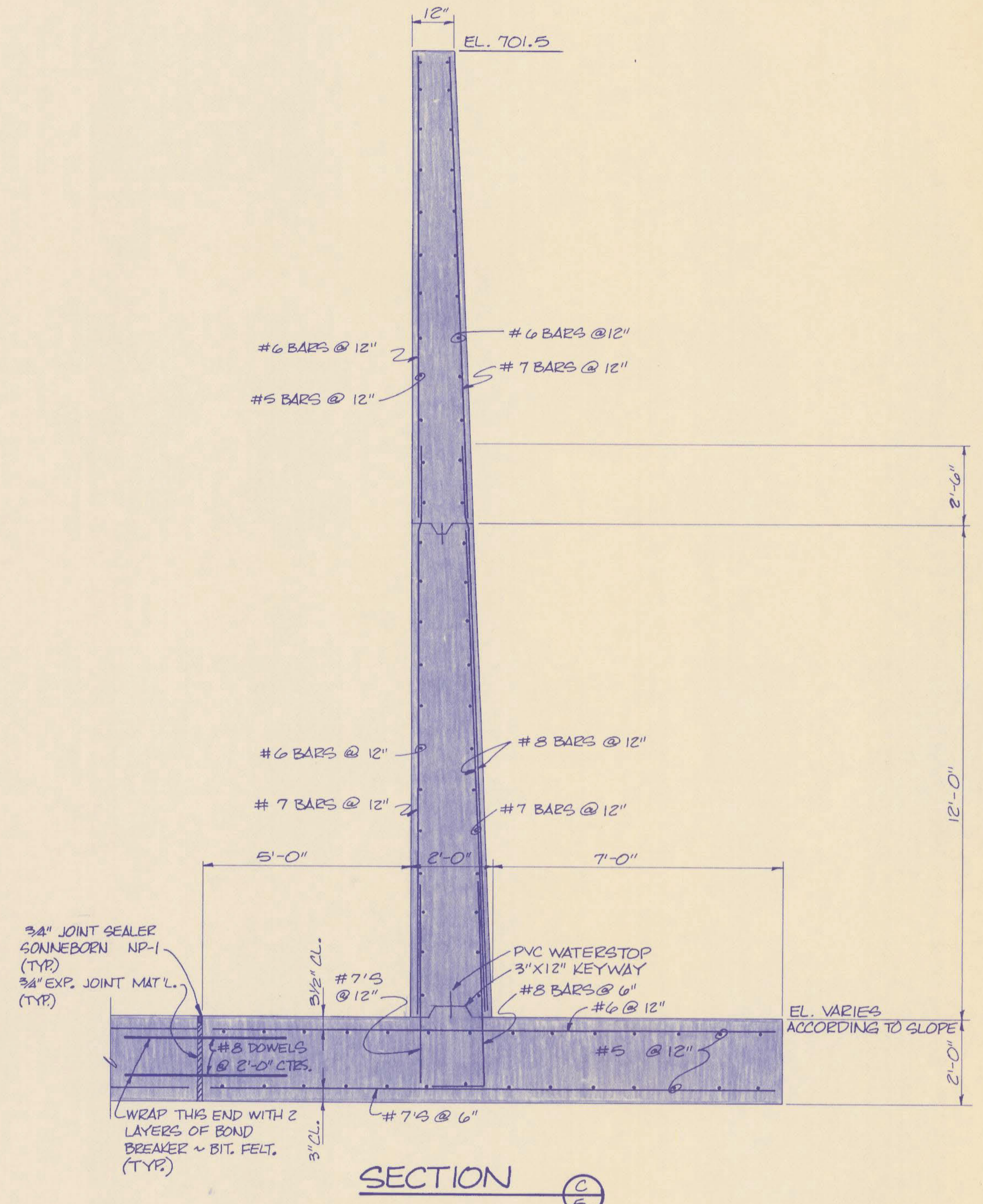
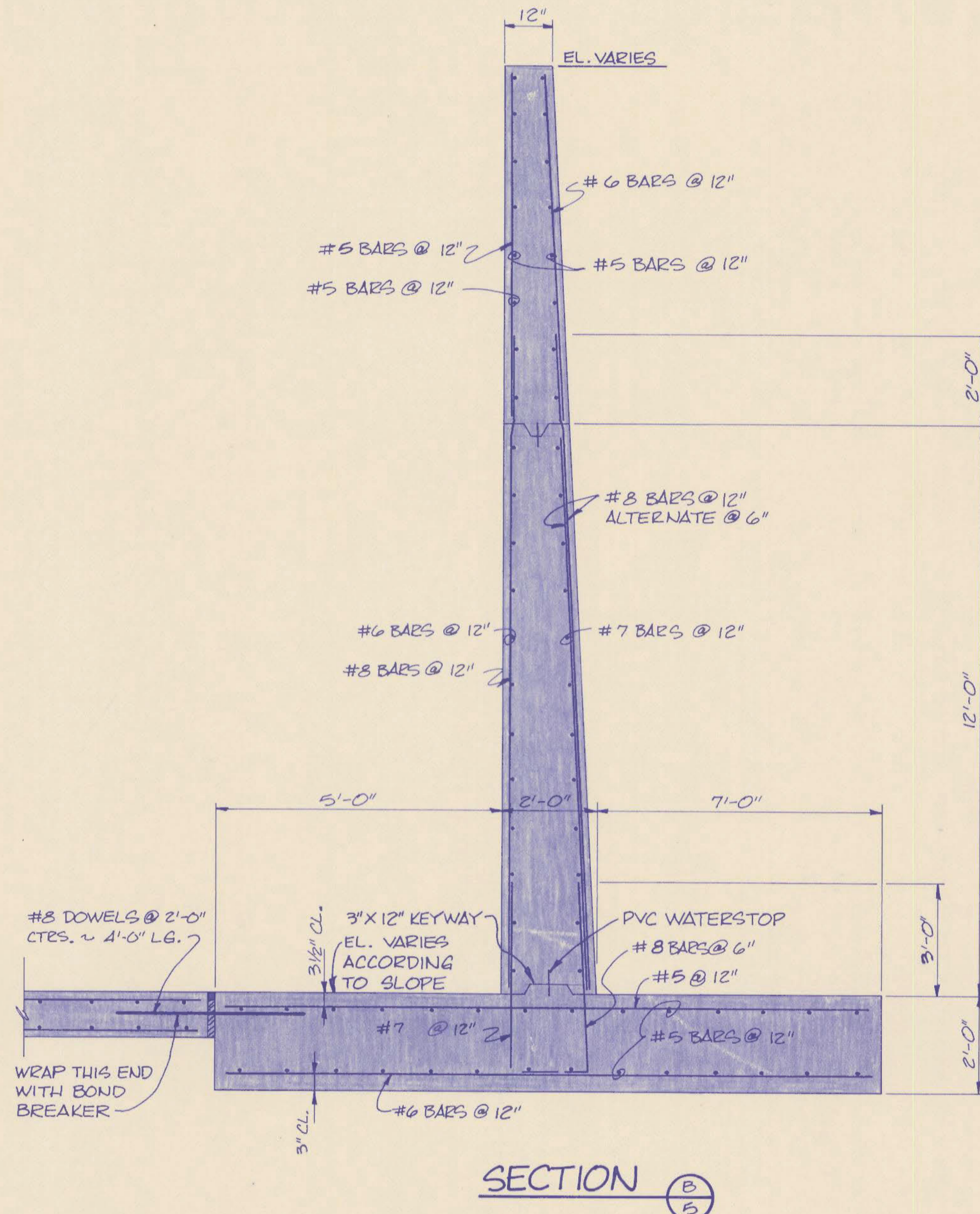
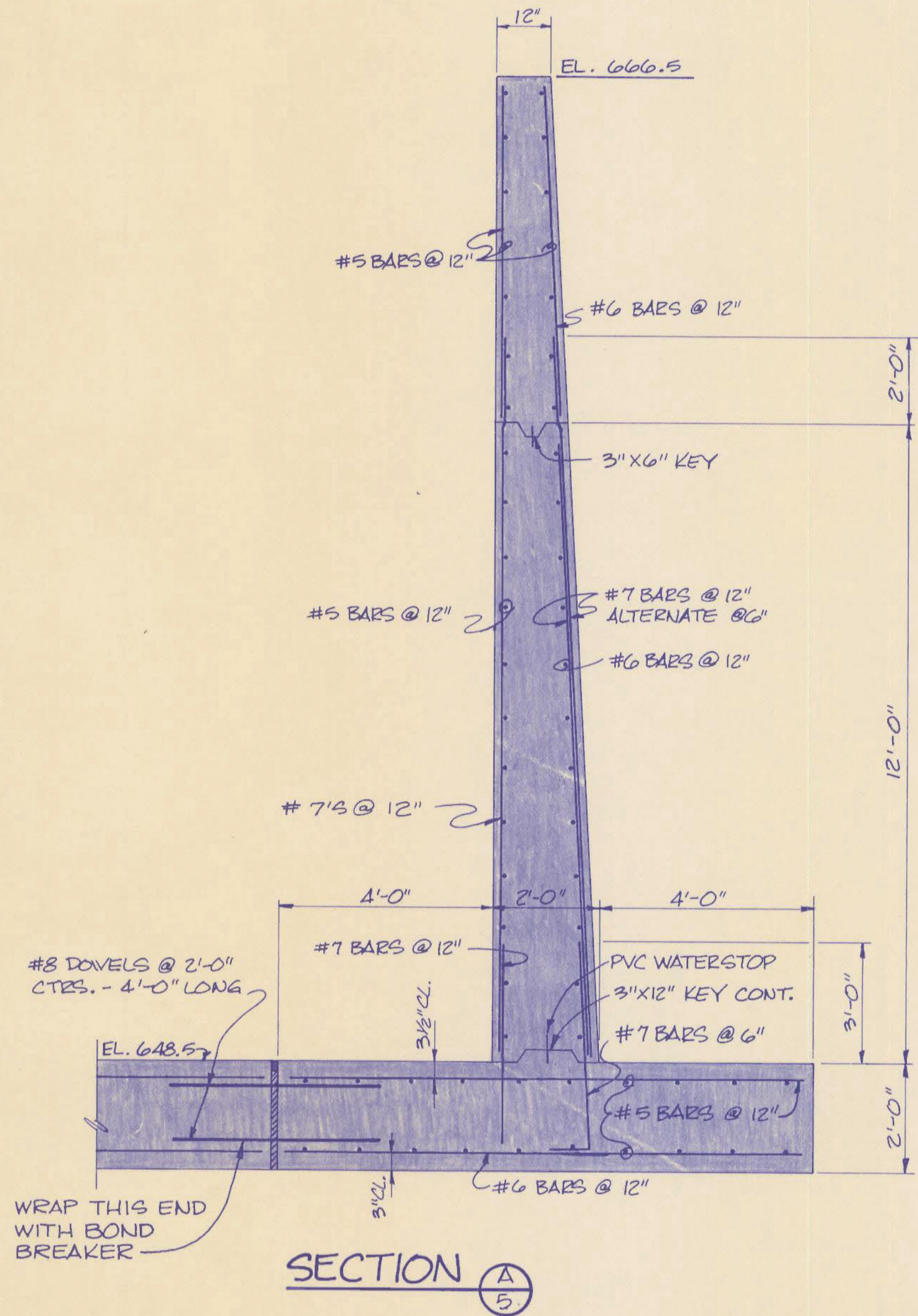
	PROJECT NO 9002-02	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
	DRAWN BY: FDV TRACED BY: CHECKED BY: APPROVED BY: CFM DATE: JAN '82 SCALE: AS NOTED						

DAM REPAIRS
CAMPBELL CO. LAKE DAM

mayer, sudderth & etheredge, inc.
Engineers • Architects • Planners
LEXINGTON ATLANTA ORLANDO

REVISIONS RECORD DATE DRAWN BY CHECKED BY A & E FILE NO. DATE		SPILLWAY STRUCTURAL COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY		DRAWING NO. 8 25 REVIEWED DIV. OF ENGR. For Intent Only ENGR. FILE NO. K-16
AUTHORIZED AGENT DIVISION OF ENGINEERING		AUTHORIZED AGENT DIVISION OF ENGINEERING		DATE 3-15-82 DATE 3-15-82

M10-297



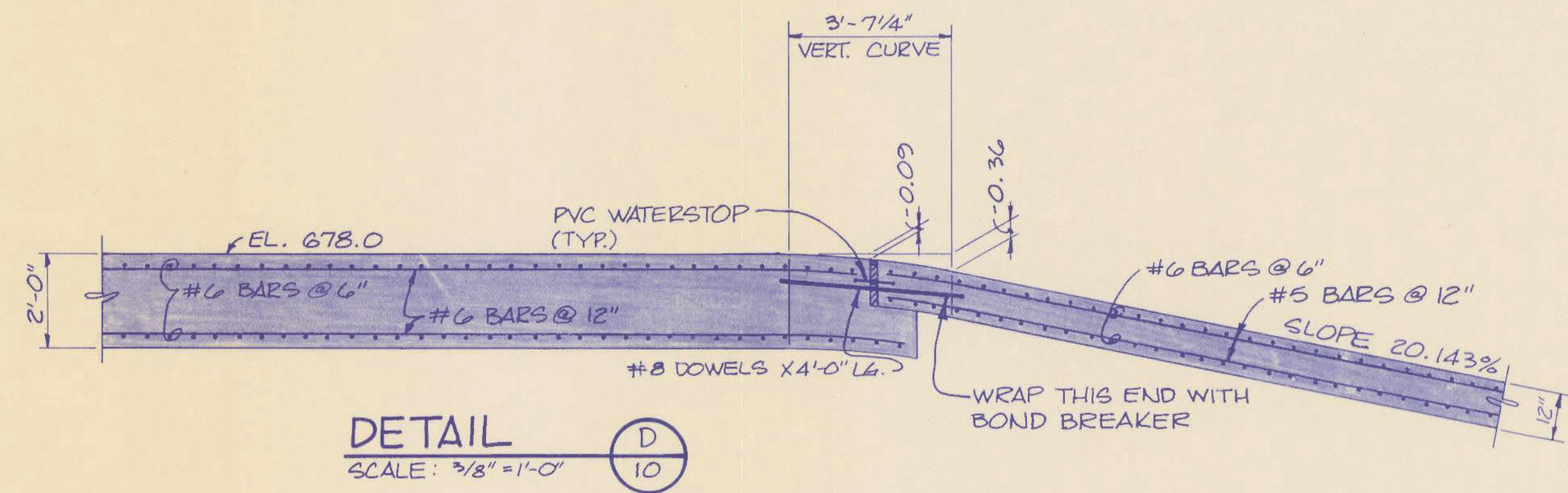
ENGINEER'S SEAL STATE OF KENTUCKY CARLOS F. MILLER 7384 REGISTERED PROFESSIONAL ENGINEER	PROJECT NO. 9002-02	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
	DRAWN BY: PDV TRACED BY: CHECKED BY: APPROVED BY: CFM DATE: JAN. 1982 SCALE: 1/2" = 1'-0"						

DAM REPAIRS
CAMPBELL CO. LAKE DAM

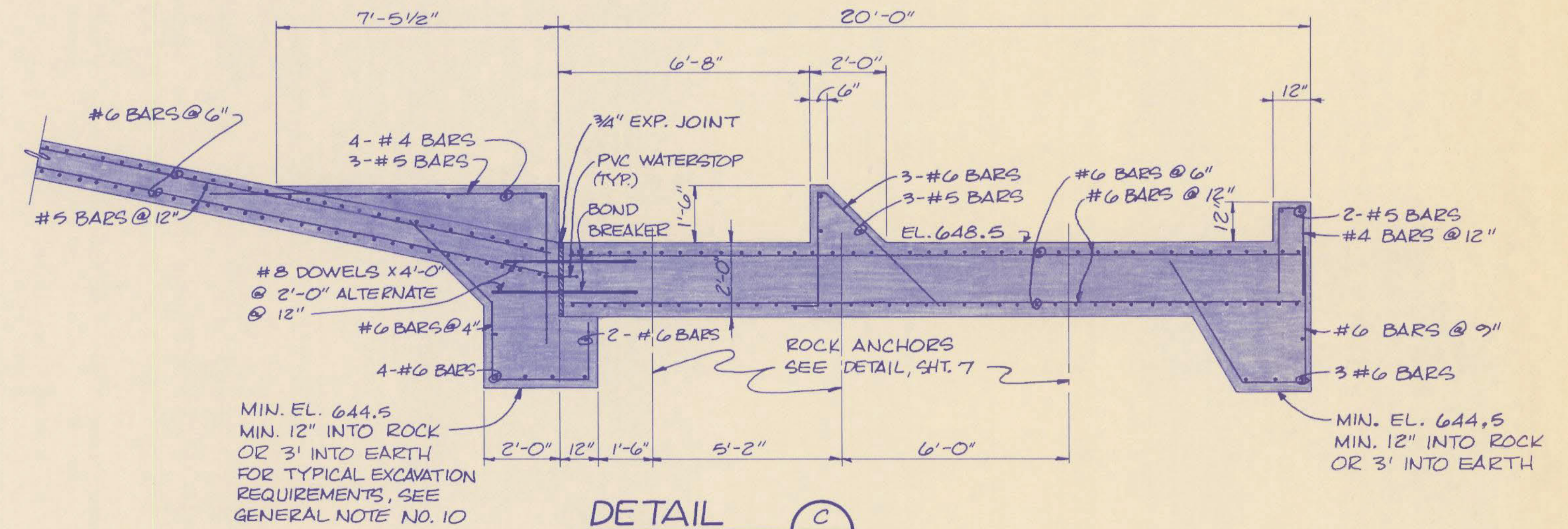
mayer, sudderth & etheredge, inc.
Engineers • Architects • Planners
LEXINGTON ATLANTA ORLANDO

REVISIONS		DATE	SPILLWAY STRUCTURAL		DRAWING NO. 9 25
RECORD DATE					
DRAWN BY			COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY		REVIEWED DIV. OF ENGR. For Intent Only ENGR. FILE NO. 15-16
CHECKED BY					
A & E FILE NO.					
DATE			AGENCY AUTHORIZED AGENT <i>Edward J. O'Hall</i> Approved For Program Concept Only		DATE 3-15-82
			DIVISION OF ENGINEERING <i>R. B. [Signature]</i> Approved For Program Concept Only		DATE 3-15-82

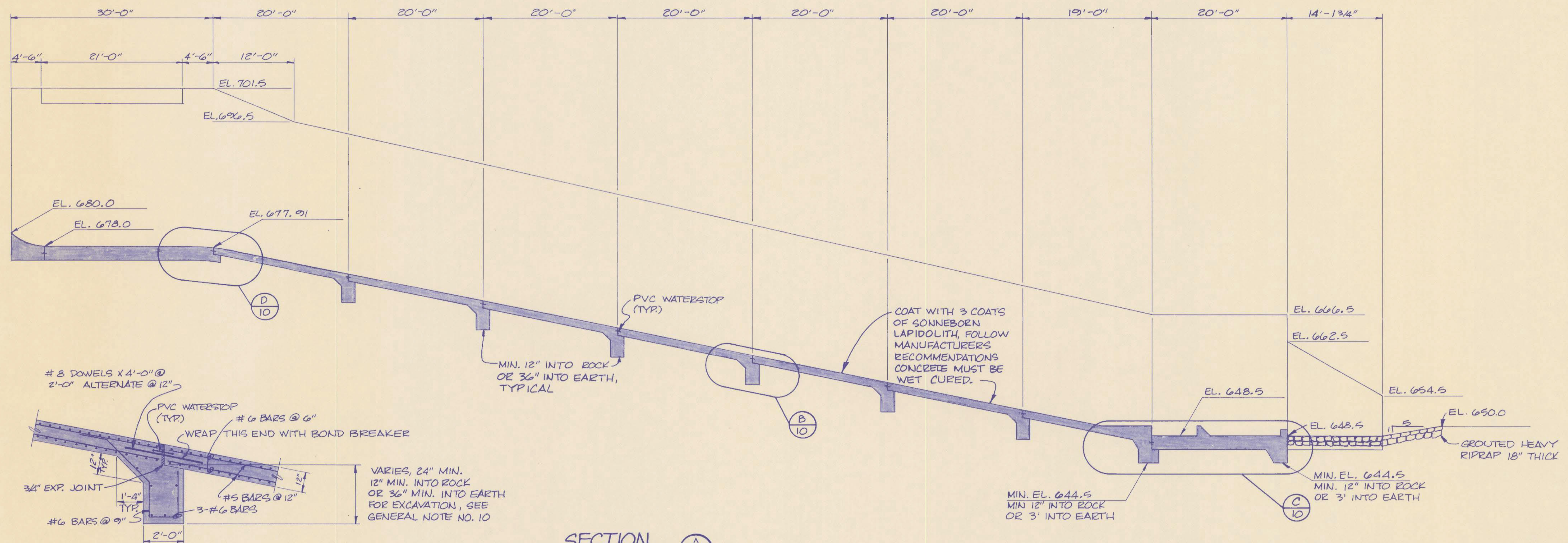
MIP-298



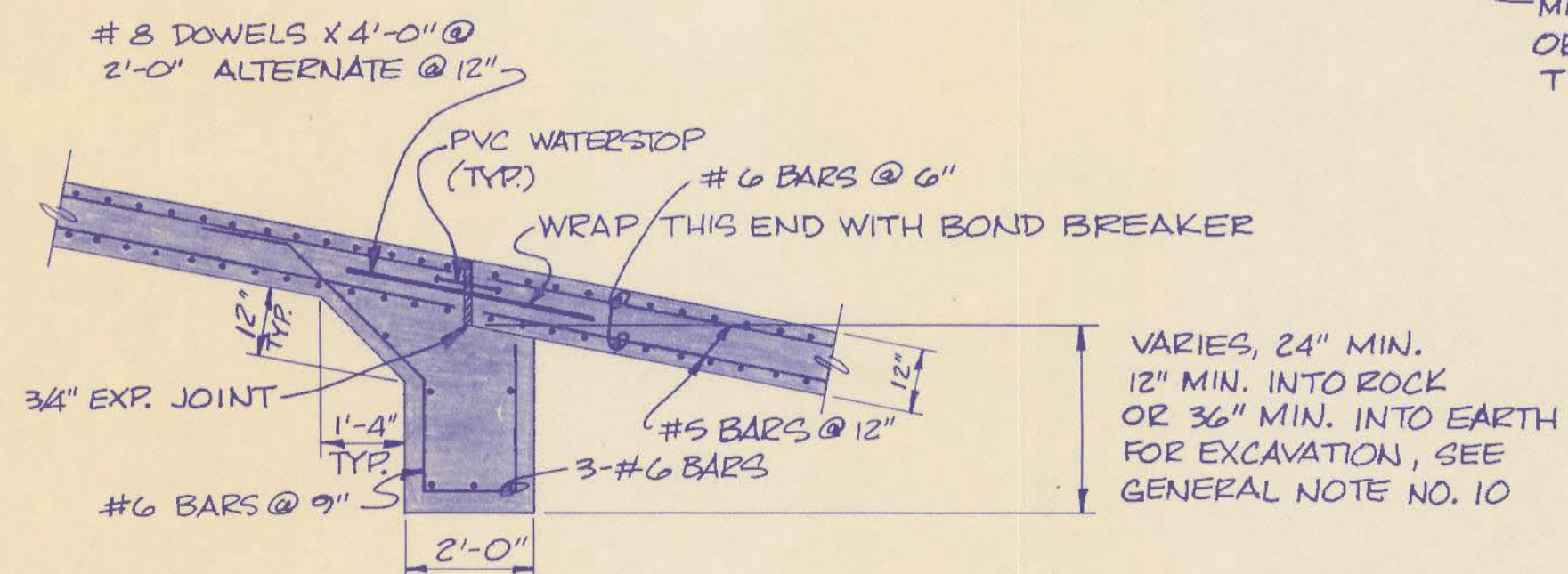
DETAIL D
SCALE: 3/8" = 1'-0"



DETAIL C
SCALE: 3/8" = 1'-0"



SECTION A
SCALE: 1/8" = 1'-0"



DETAIL B
SCALE: 3/8" = 1'-0"

REVISIONS		DATE	DRAWING NO.	
			10	25
RECORD DATE			DRAWN BY	
DRAWN BY			COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	
CHECKED BY			REVIEWED DIV. OF ENGR. For Intent Only ENGR. FILE NO. K-16	
A & E FILE NO.			DATE	
DATE			AGENCY AUTHORIZED AGENT	
			DIVISION OF ENGINEERING	

ENGINEER'S SEAL	PROJECT NO.	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
	20-2006-02						
	DRAWN BY: PDV						
	TRACED BY:						
	CHECKED BY:						
	APPROVED BY: CFM						
DATE: JAN 12 2002							
SCALE: AS NOTED							

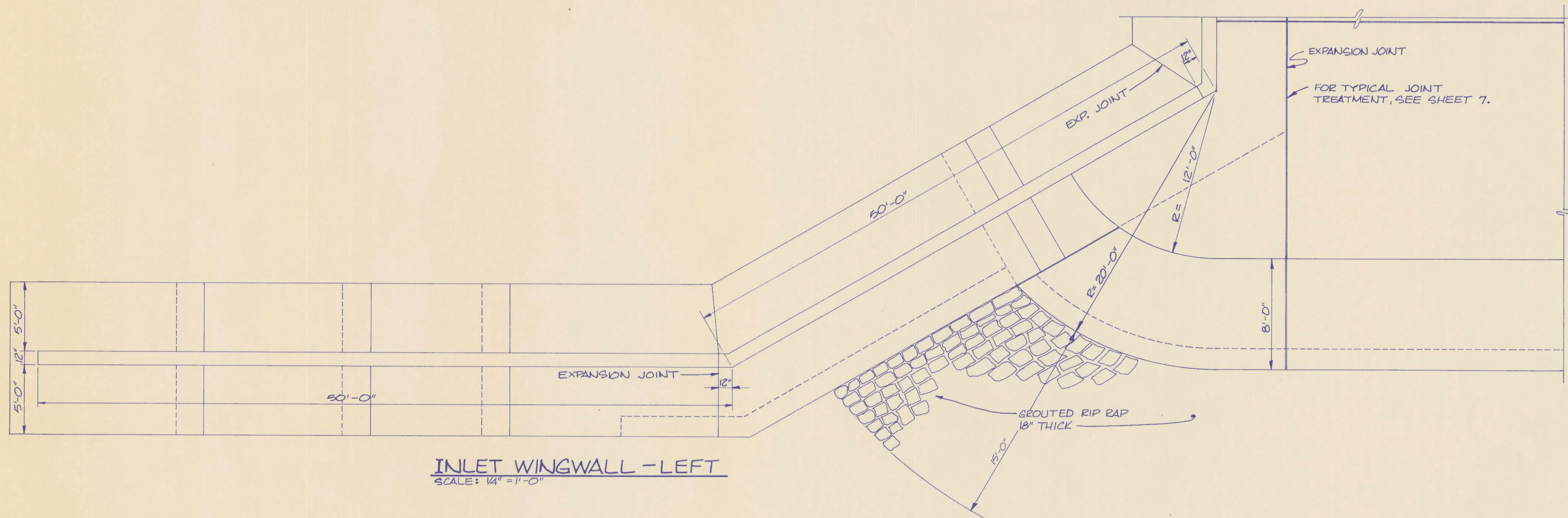
DAM REPAIRS
CAMPBELL CO. LAKE DAM

mayes, sudderth & etheredge, inc.
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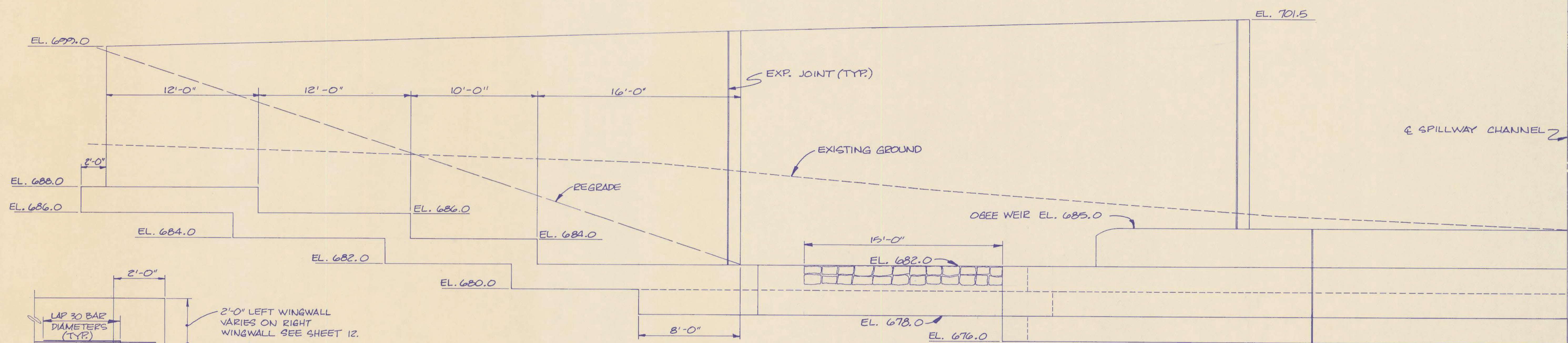
CHARLES D. CLARY
REGISTERED PROFESSIONAL ENGINEER

AGENCY AUTHORIZED AGENT: *Edward A. Cottrell*
APPROVED FOR PROGRAM CONCEPT ONLY
DATE: 2-15-92
DIVISION OF ENGINEERING: *R. D. [Signature]*
APPROVED FOR PROGRAM CONCEPT ONLY
DATE: 2-15-92

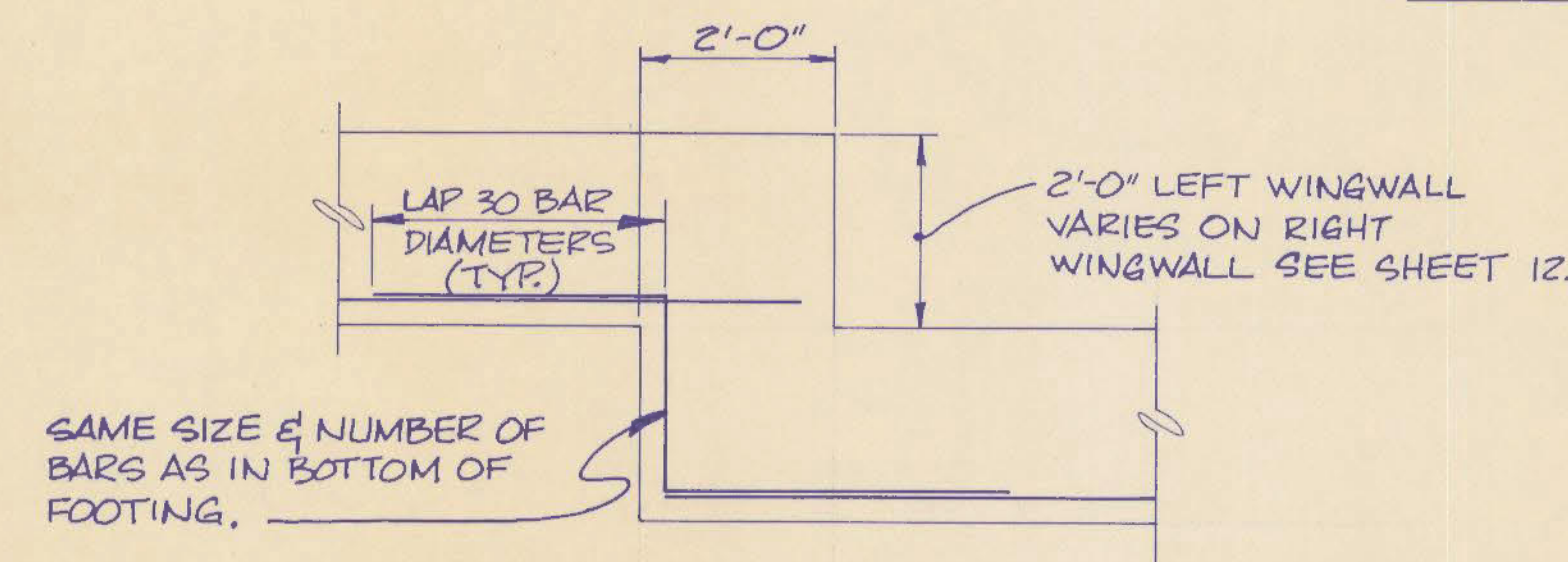
M10-299



INLET WINGWALL - LEFT
SCALE: 1/4" = 1'-0"



ELEVATION - INLET WINGWALL - LEFT
SCALE: 1/4" = 1'-0"



TYPICAL STEPPED FOOTING DETAIL
N.T.S.

REVISIONS		DATE	SPILLWAY STRUCTURAL	
			RECORD DATE	DRAWING NO.
			DRAWN BY	12
			CHECKED BY	25
			A & E FILE NO.	REVIEWED DIV. OF ENGR.
			DATE	For Intent Only ENGR. FILE NO.
			AGENCY AUTHORIZED AGENT	DATE 3-15-82
			DIVISION OF ENGINEERING	DATE 3-15-82

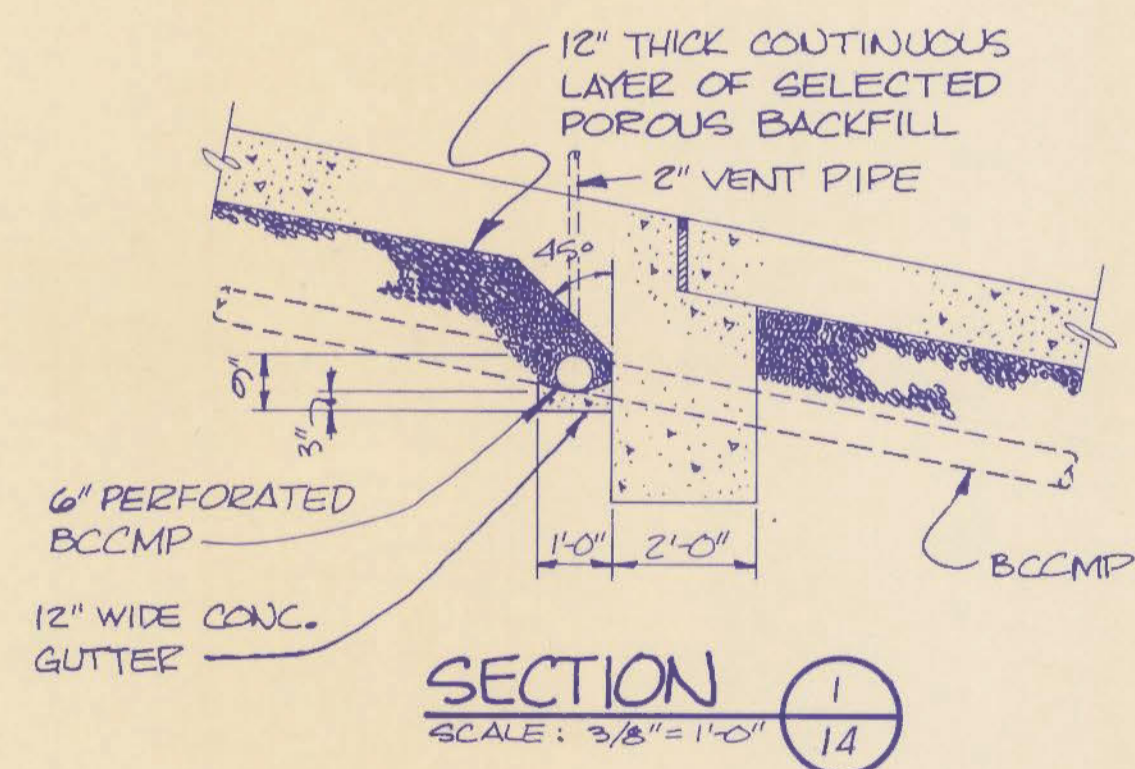
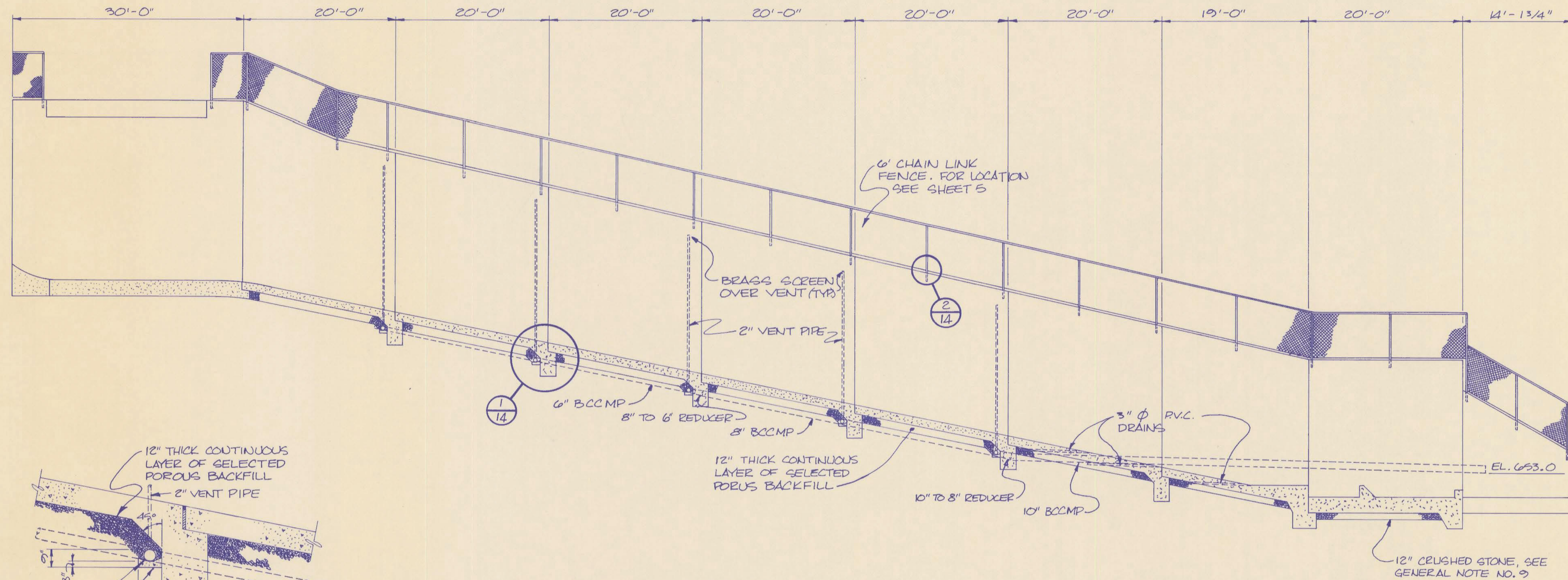
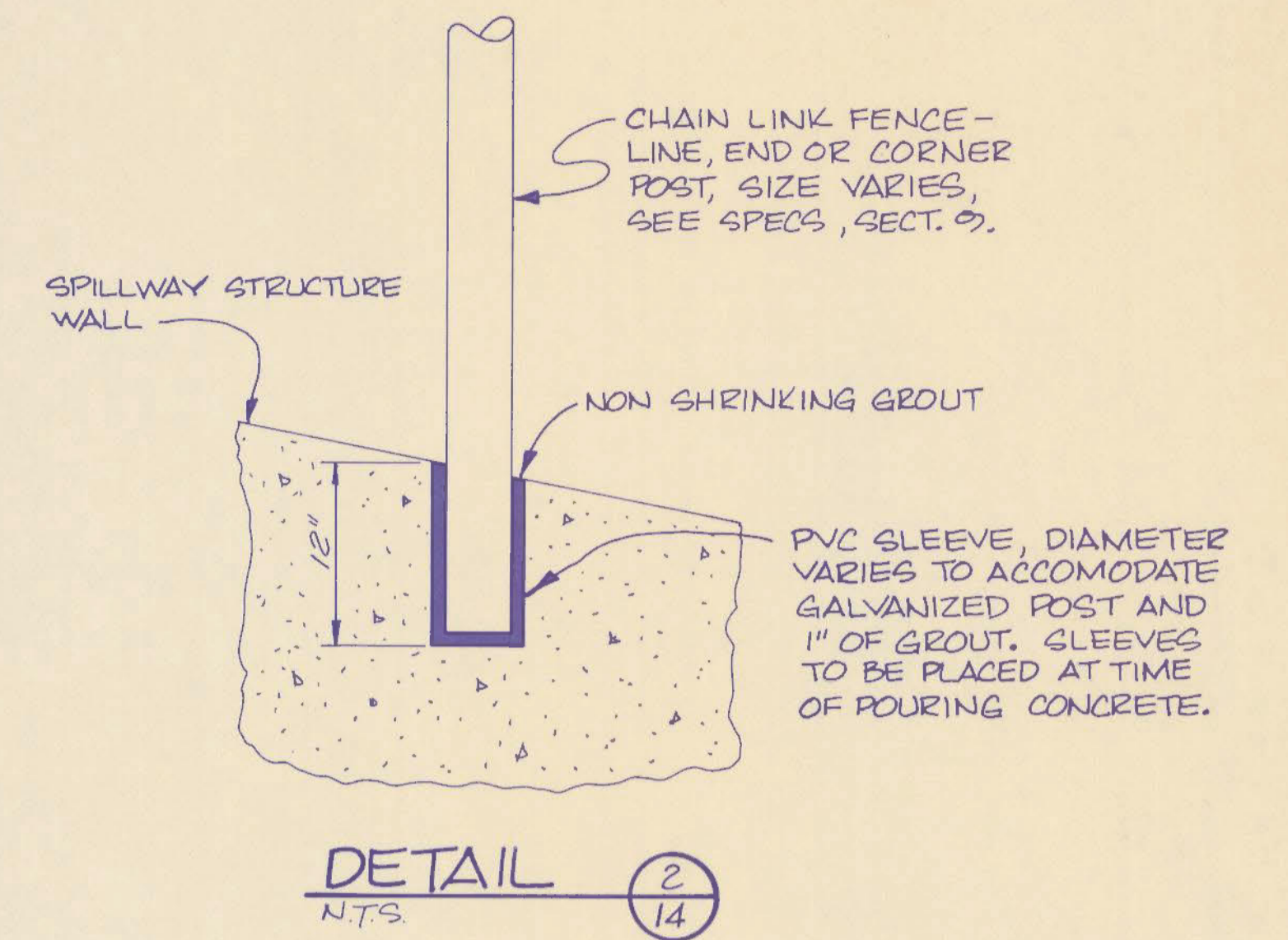
ENGINEER'S SEAL	PROJECT NO.	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
	9002-02						
	DRAWN BY: PDV						
	TRACED BY:						
	CHECKED BY:						
	APPROVED BY: CFM						

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LEXINGTON ATLANTA ORLANDO

DATE 3-15-82

1410-301



SECTION-SPILLWAY DRAIN
SCALE: 1/8" = 1'-0"

REVISIONS		DATE	SPILLWAY DRAIN & DETAILS	
			RECORD DATE	DRAWING NO.
			DRAWN BY	14
			CHECKED BY	25
			A & E FILE NO.	REVIEWED
			DATE	DIV. OF ENGR.
			AGENCY AUTHORIZED AGENT	DATE 3-15-92
			DIVISION OF ENGINEERING	DATE 3-15-92

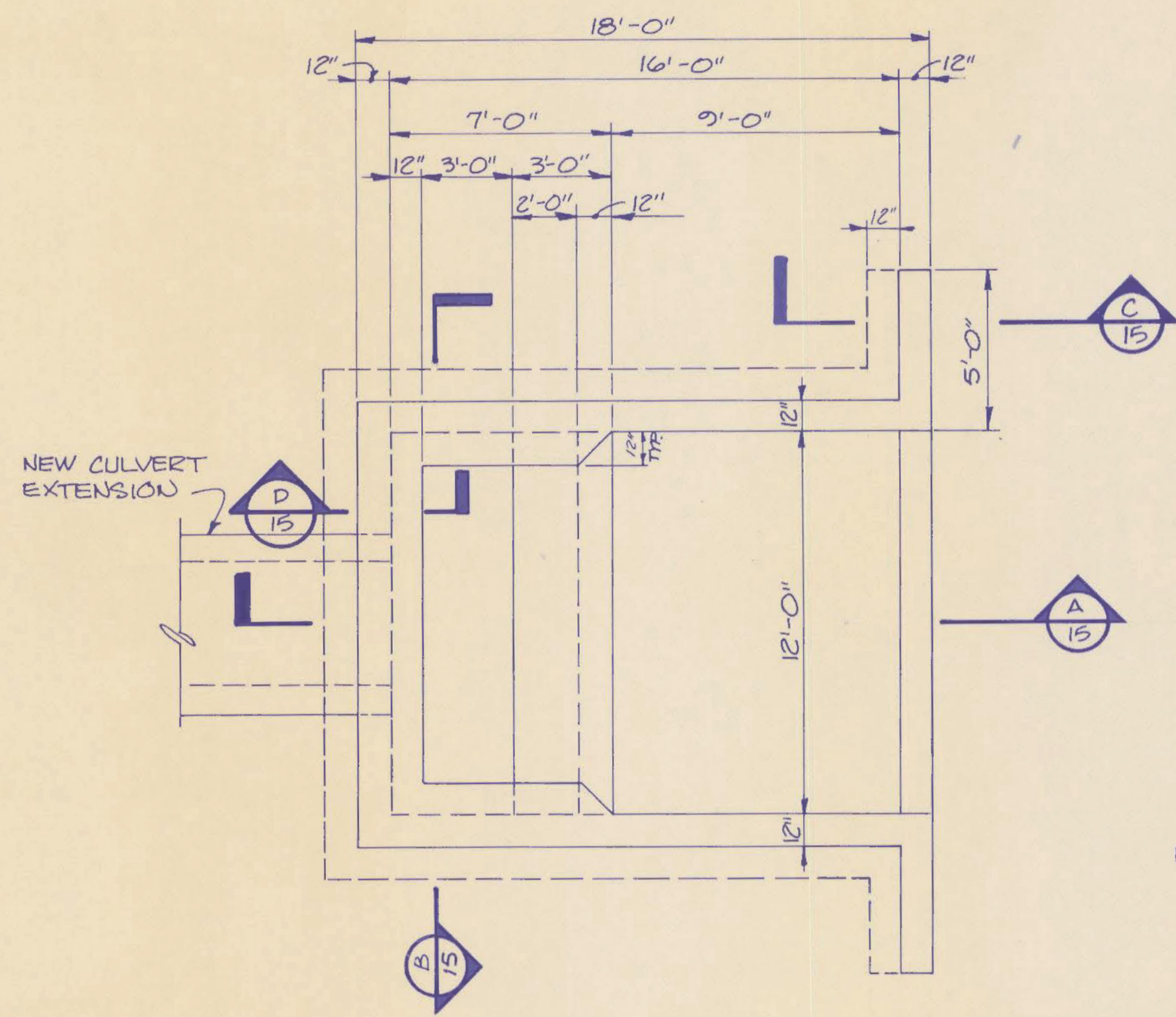
ENGINEER'S SEAL	PROJECT NO	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
	0002-02						
	DRAWN BY: PDV TRACED BY: CHECKED BY: APPROVED BY: CFM DATE: JAN '82 SCALE: AS NOTED						

DAM REPAIRS
CAMPBELL CO. LAKE DAM

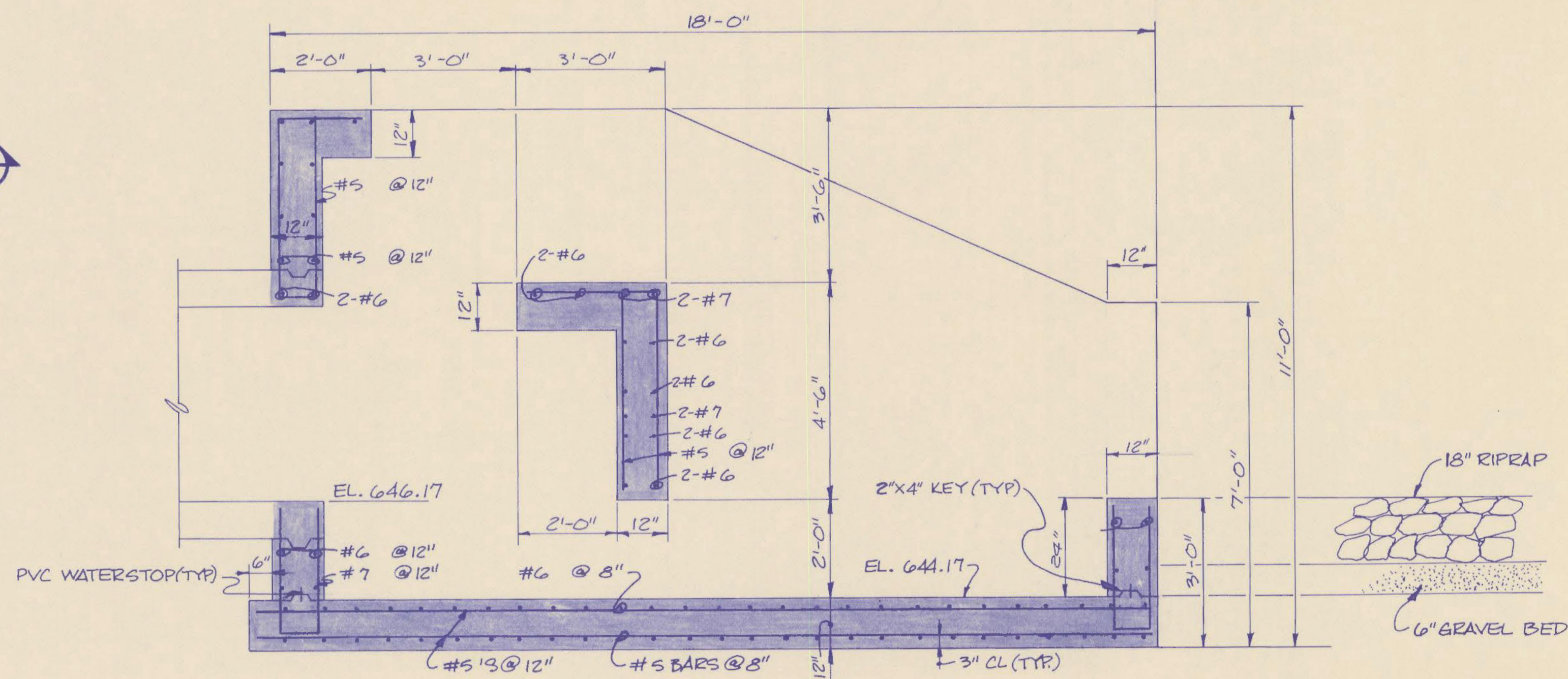


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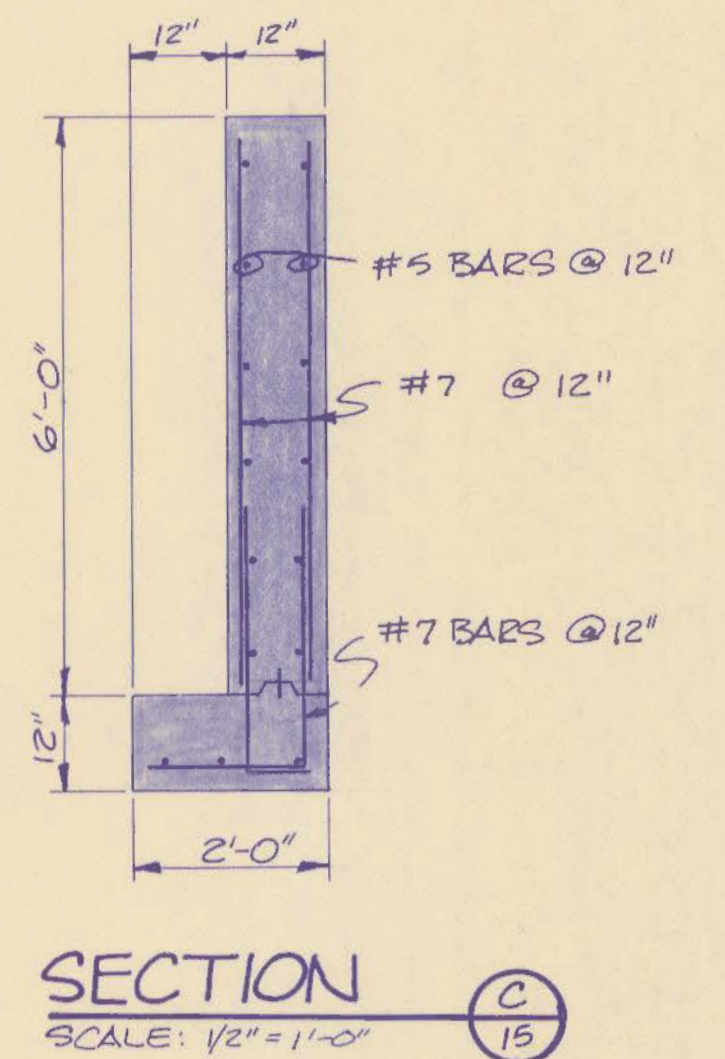
1110-303



PLAN
SCALE: 1/4" = 1'-0"

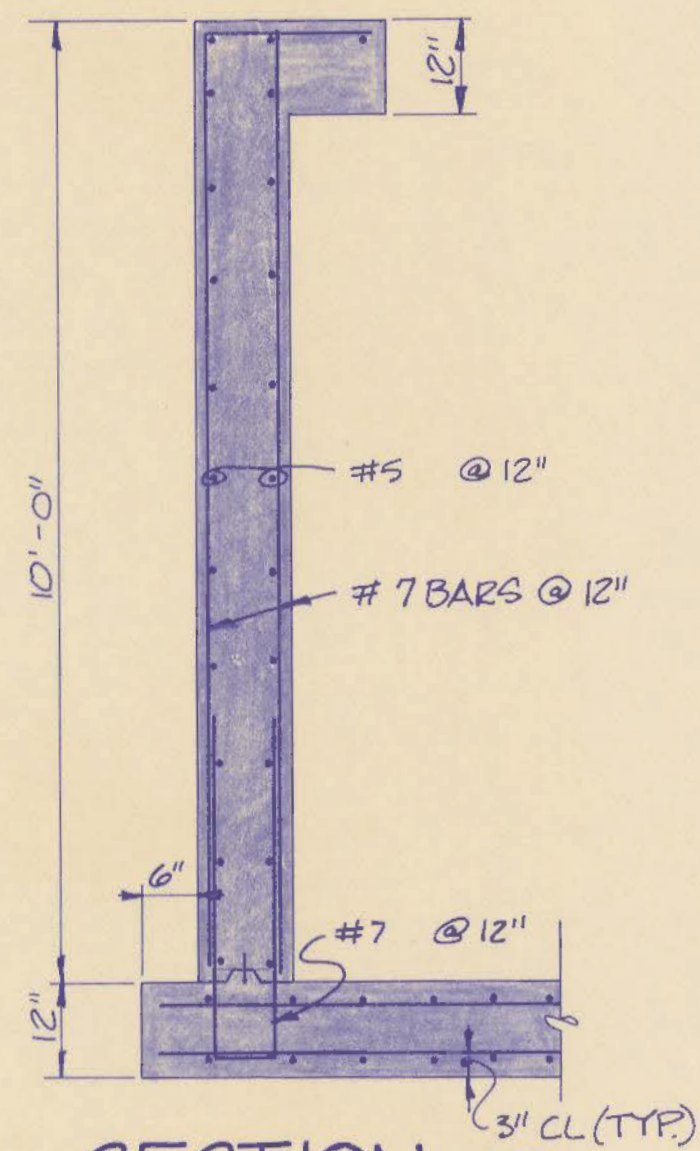
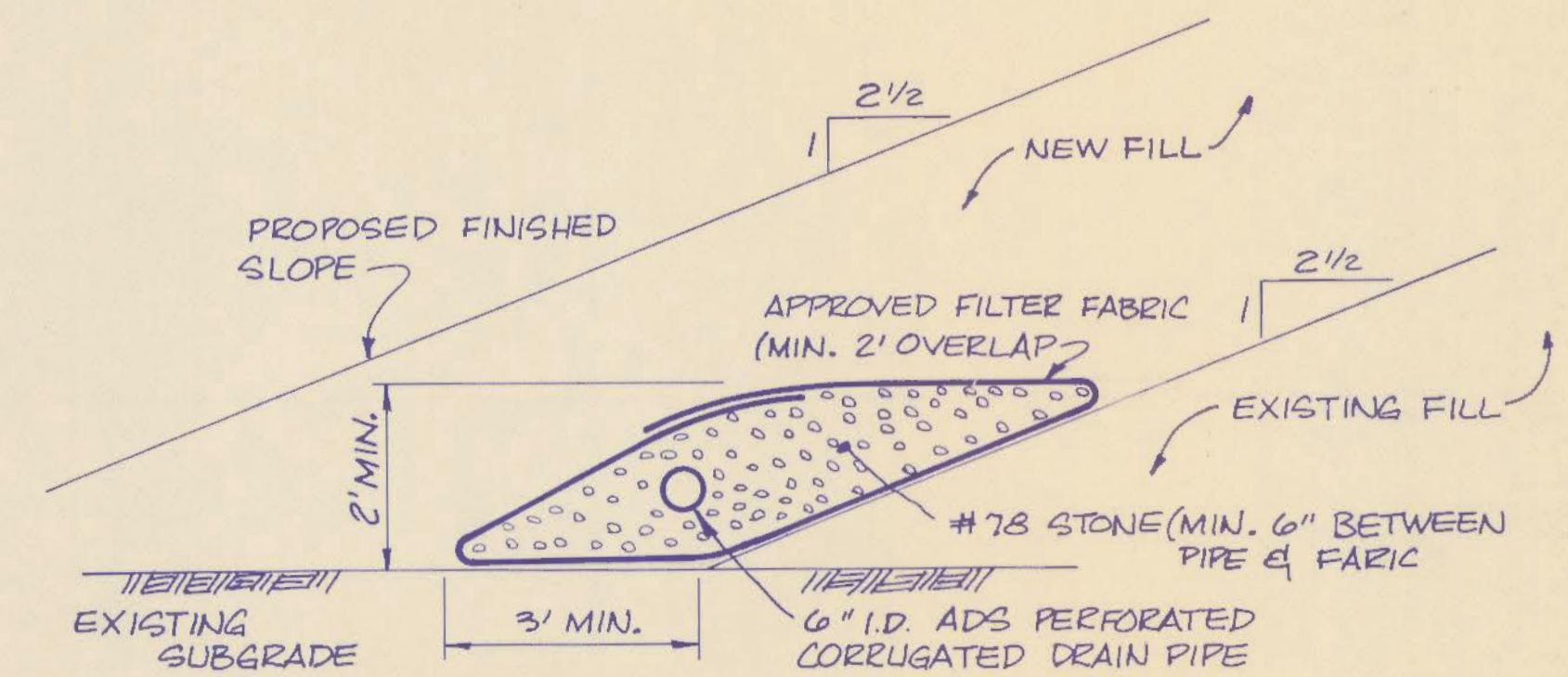


SECTION
SCALE: 1/2" = 1'-0"

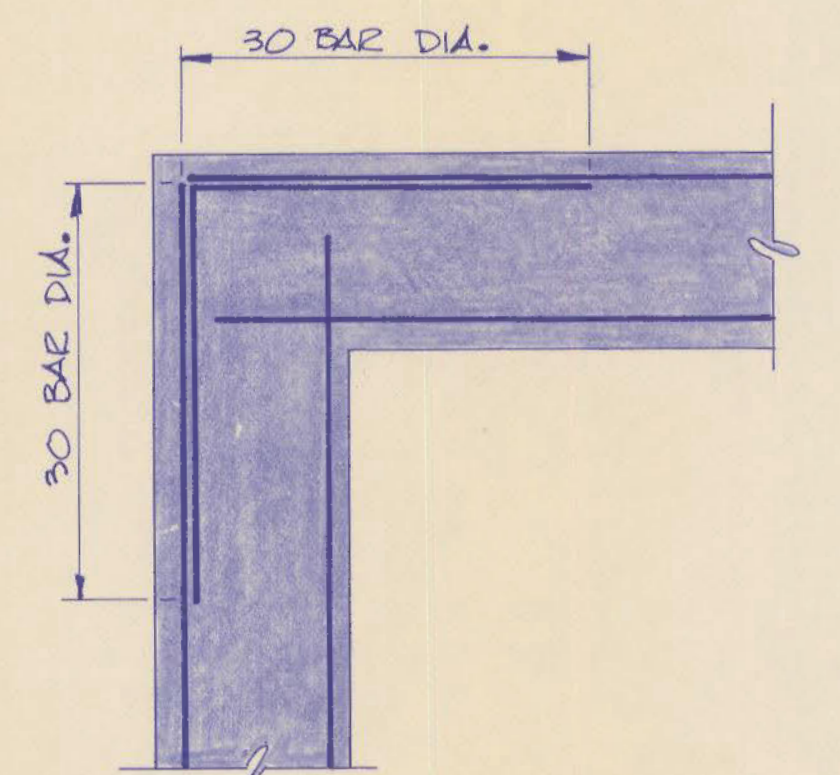


SECTION
SCALE: 1/2" = 1'-0"

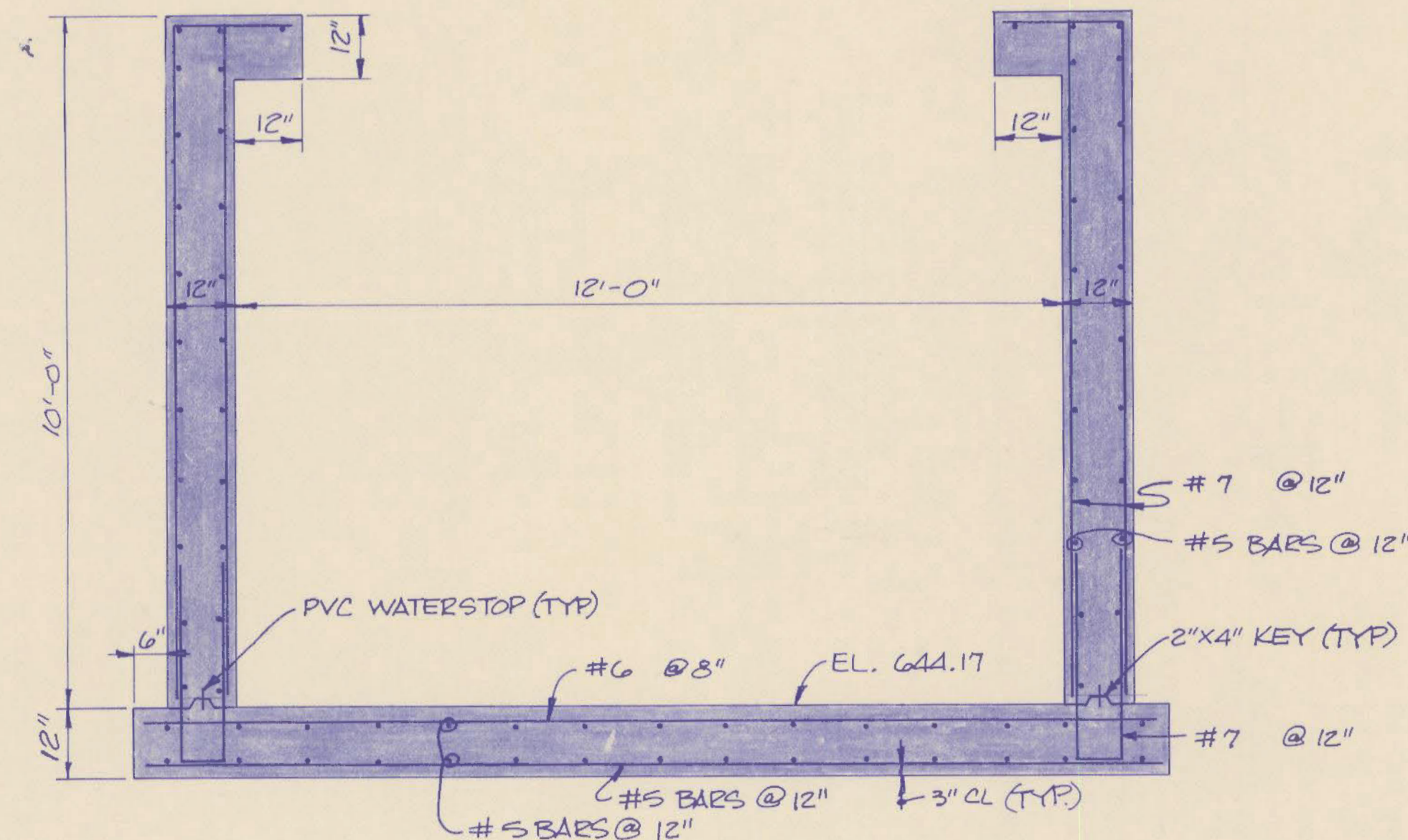
* SEE GENERAL NOTES NO'S. 9 & 10



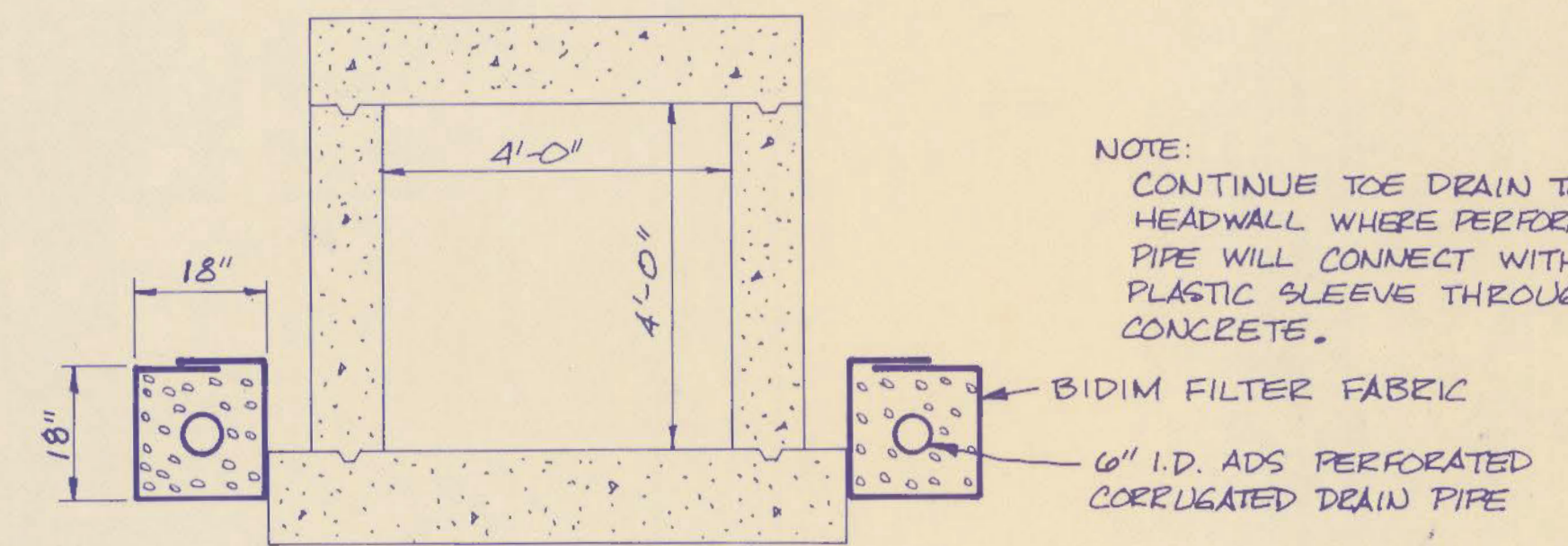
SECTION
SCALE: 1/2" = 1'-0"



TYPICAL CORNER REINFORCEMENT DETAIL
SCALE: 1" = 1'-0"



SECTION
SCALE: 1/2" = 1'-0"



TOE DRAIN DETAIL
N.T.S.

NOTE: CONTINUE TOE DRAIN TO HEADWALL WHERE PERFORATED PIPE WILL CONNECT WITH SOLID PLASTIC SLEEVE THROUGH CONCRETE.

REVISIONS		DATE	DRAWDOWN IMPACT BASIN	
			RECORD DATE	DRAWING NO. 15
			DRAWN BY	25
			CHECKED BY	REVIEWED DIV. OF ENGR.
			A & E FILE NO.	For Intent Only ENGR. FILE NO. K-12
			DATE	
			AGENCY AUTHORIZED AGENT	DATE 3-15-82
			DIVISION OF ENGINEERING	DATE 3-15-82



PROJECT NO.	DATE	REVISION	APPROVED	DATE	REVISION	APPROVED
9002-02						

DRAWN BY: PCV
TRACED BY:
CHECKED BY:
APPROVED BY: CFM
DATE: JAN '82
SCALE: AS NOTED

DAM REPAIRS
CAMPBELL CO. LAKE DAM



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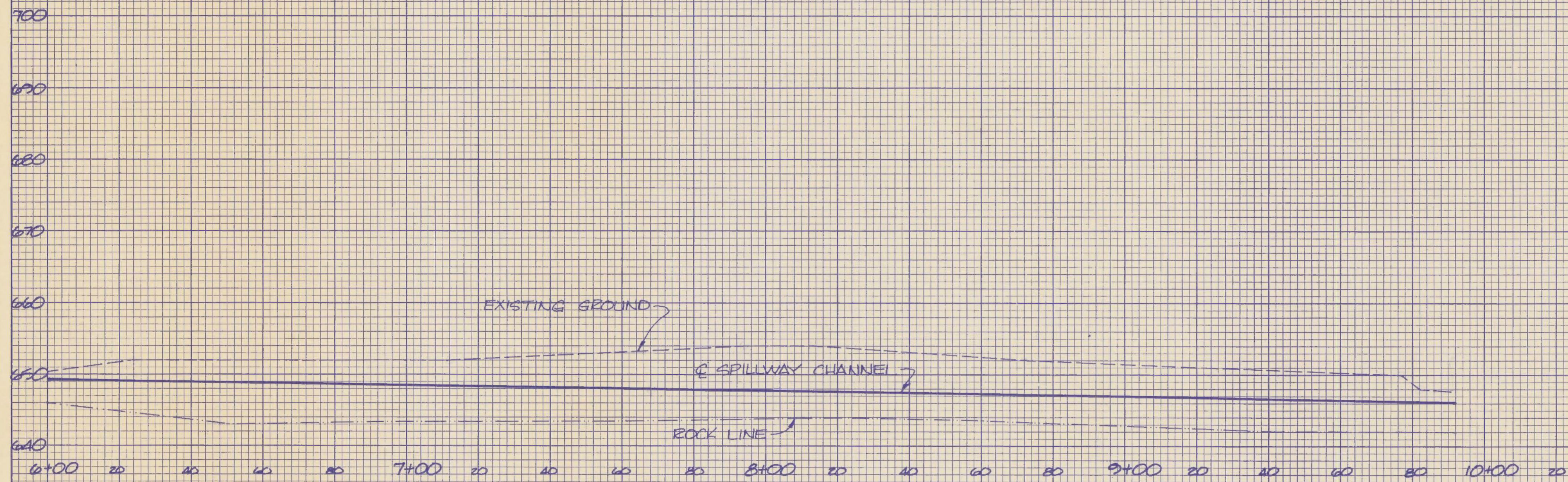
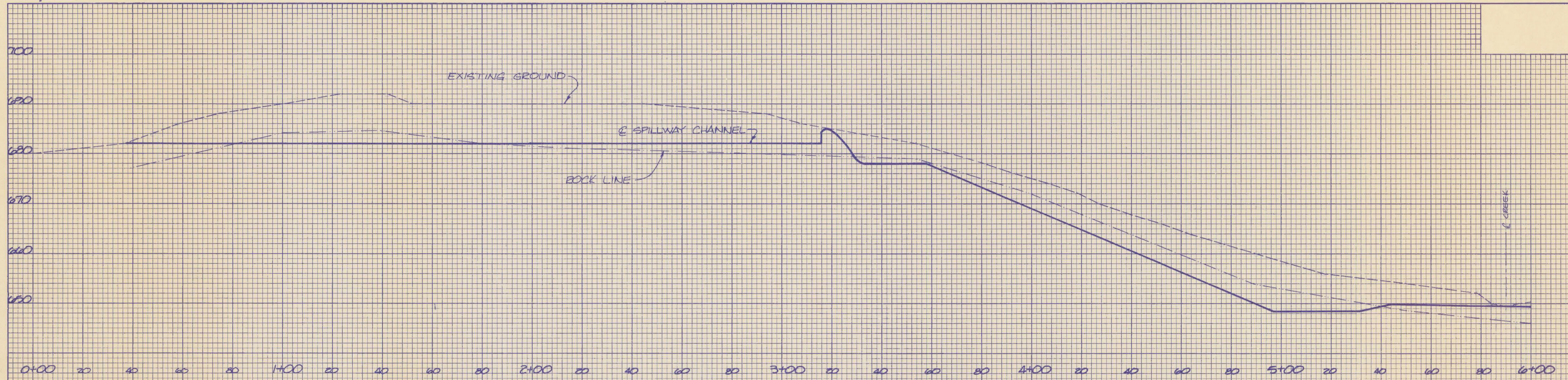


AGENCY AUTHORIZED AGENT: Edward J. Cottrell
DATE: 3-15-82
DIVISION OF ENGINEERING: Approved For Program Concept Only
DATE: 3-15-82

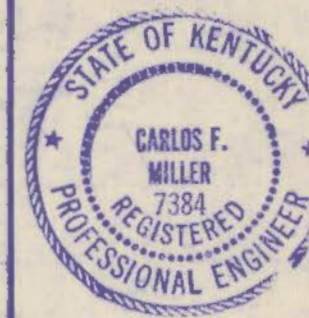
M10-304

FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
AREAS CHECKED	



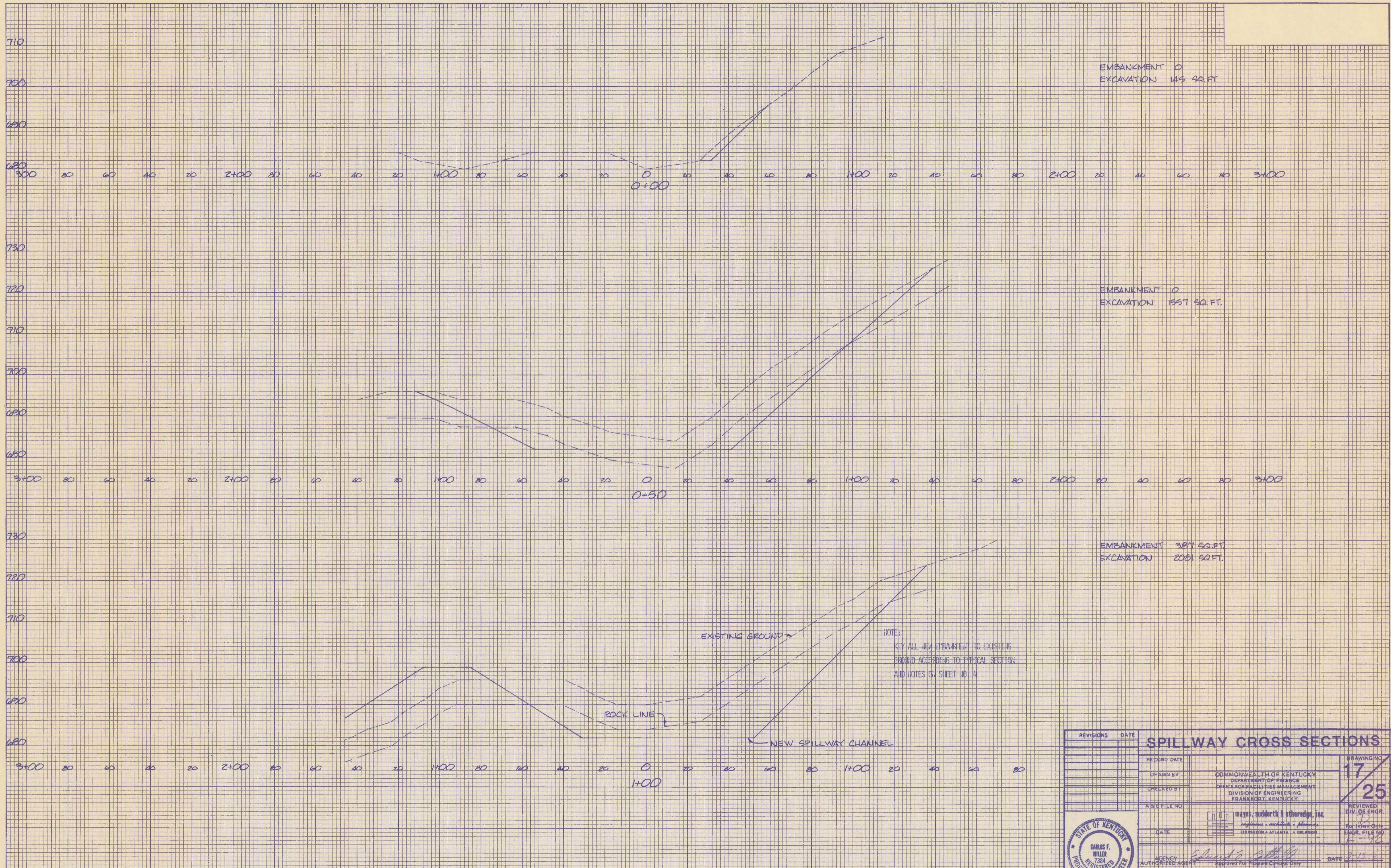
REVISIONS	DATE	PROFILE SPILLWAY CHANNEL	
RECORD DATE		COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	DRAWING NO. 16 25
DRAWN BY		MAYES, SUDBERTH & KATHARONG, INC. ENGINEERS, ARCHITECTS & PLANNERS LEXINGTON, ATLANTA, & OLANO	REVIEWED DIV. OF ENGR. DATE
CHECKED BY			For Initial Only ENGR. FILE NO.
A.E. FILE NO.			
DATE			
AGENCY AUTHORIZED AGENT		Approved For Program Concept Only	DATE 3-15-12
DIVISION OF ENGINEERING		Approved For Program Concept Only	DATE 3-15-12



1110-305

DATE	
BY	
FINAL SURVEY NOTE BOOK NO.	
REVISED PLOTTED AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NOTE BOOK NO.	
REVISED PLOTTED AREAS CHECKED	



NOTE:
KEY ALL NEW EMBANKMENT TO EXISTING GROUND ACCORDING TO TYPICAL SECTION AND NOTES OF SHEET NO. 4

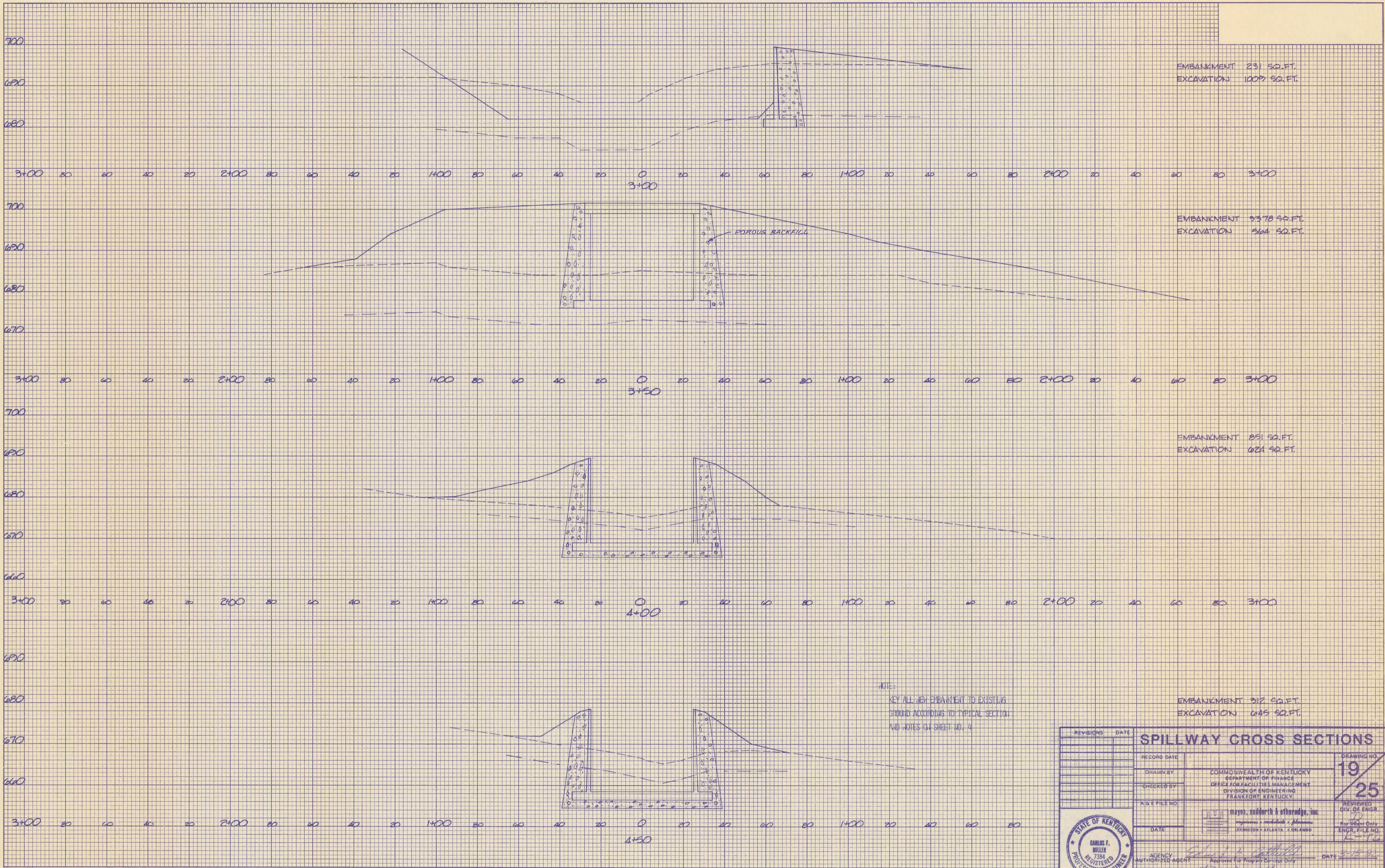
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		DRAWN BY		REVIEWED DATE
		CHECKED BY		For Work Only ENGR. FILE NO.
		A.I.E. FILE NO.		DATE
		DATE		
		AGENCY	Approved For Program Concept Only	DATE
		DIVISION OF ENGINEERING	Approved For Program Concept Only	DATE



1110-306

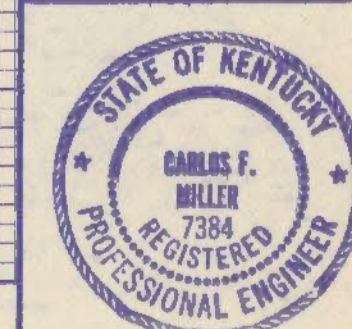
DATE	
BY	
FINAL SURVEY NOTE BOOK NO.	
SUBMITTED PLATED AREAS CHECKED	
TEMPLATE AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NOTE BOOK NO.	
SUBMITTED PLATED AREAS CHECKED	
TEMPLATE AREAS CHECKED	



NOTES:
KEY ALL NEW EMBANKMENT TO EXISTING
GROUND ACCORDING TO TYPICAL SECTION
AND NOTES ON SHEET NO. 4

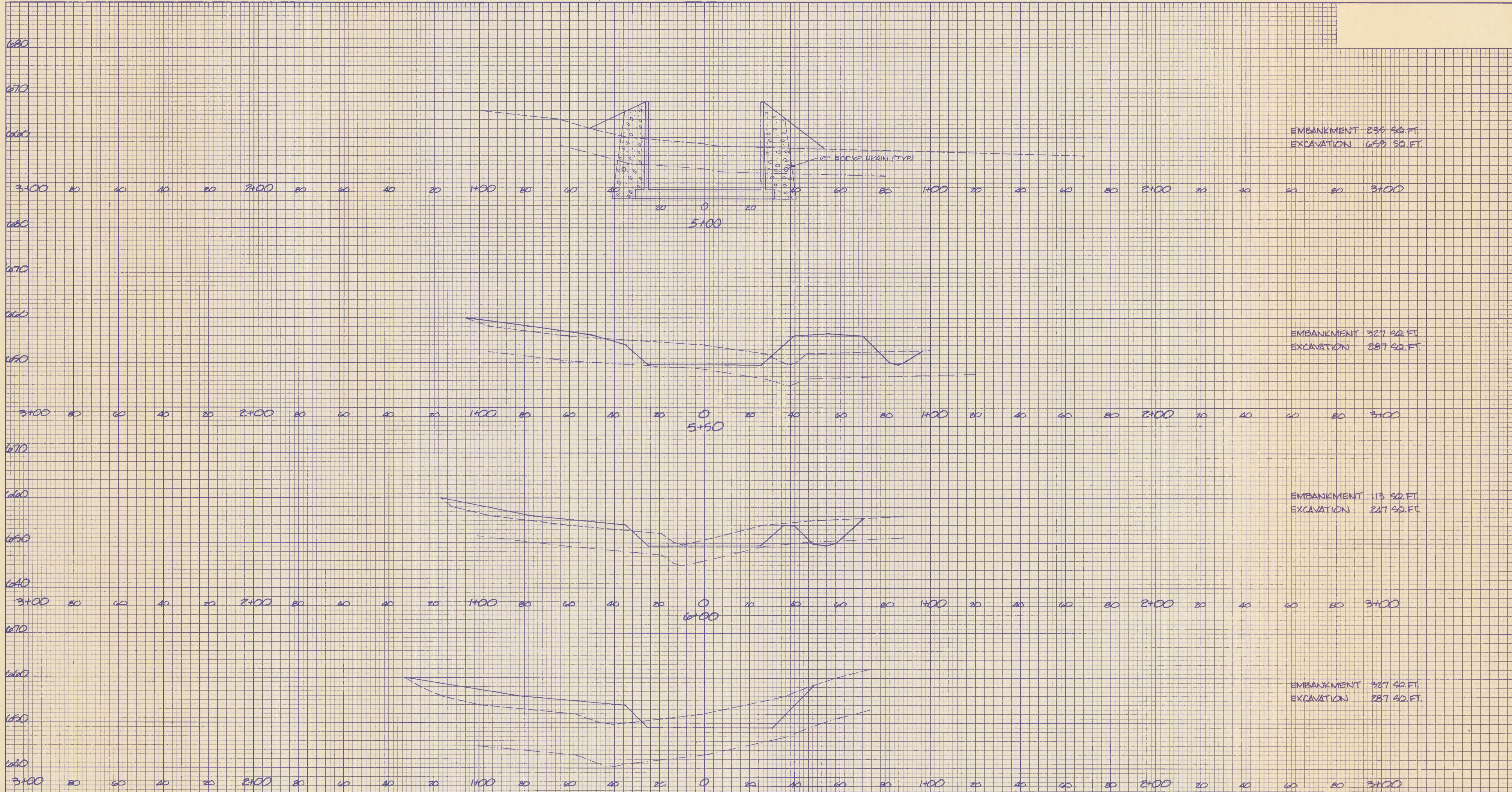
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		DRAWN BY		REVISED DIV. OF ENGR.
		CHECKED BY		For Intent Only ENGR. FILE NO.
		A.G.E. FILE NO.	mayas, sudworth & shoraden, inc. engineers, architects & planners LEXINGTON • ATLANTA • ORLANDO	10-1-88
		DATE		DATE 3-15-88
		AGENCY AUTHORIZED AGENT	Approved For Program Director Only	DATE 3-15-88
		DIVISION OF ENGINEERING	Approved For Program Logsheet Only	DATE 3-15-88



1110-308

DATE	
BY	
FINAL SURVEY NOTE BOOK NO.	
SURVEYED	
TEMPLATE	
AREAS	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NOTE BOOK NO.	
SURVEYED	
TEMPLATE	
AREAS	
AREAS CHECKED	



EMBANKMENT 236 SQ. FT.
EXCAVATION 659 SQ. FT.

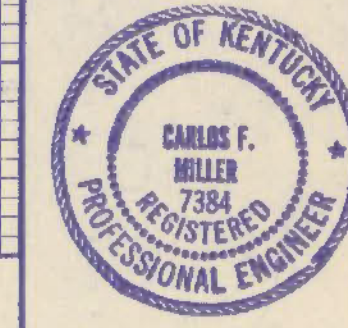
EMBANKMENT 327 SQ. FT.
EXCAVATION 287 SQ. FT.

EMBANKMENT 113 SQ. FT.
EXCAVATION 247 SQ. FT.

EMBANKMENT 327 SQ. FT.
EXCAVATION 287 SQ. FT.

NOTE:
KEY ALL NEW EMBANKMENT TO EXISTING
GROUND ACCORDING TO TYPICAL SECTION
AND NOTES ON SHEET NO. 4

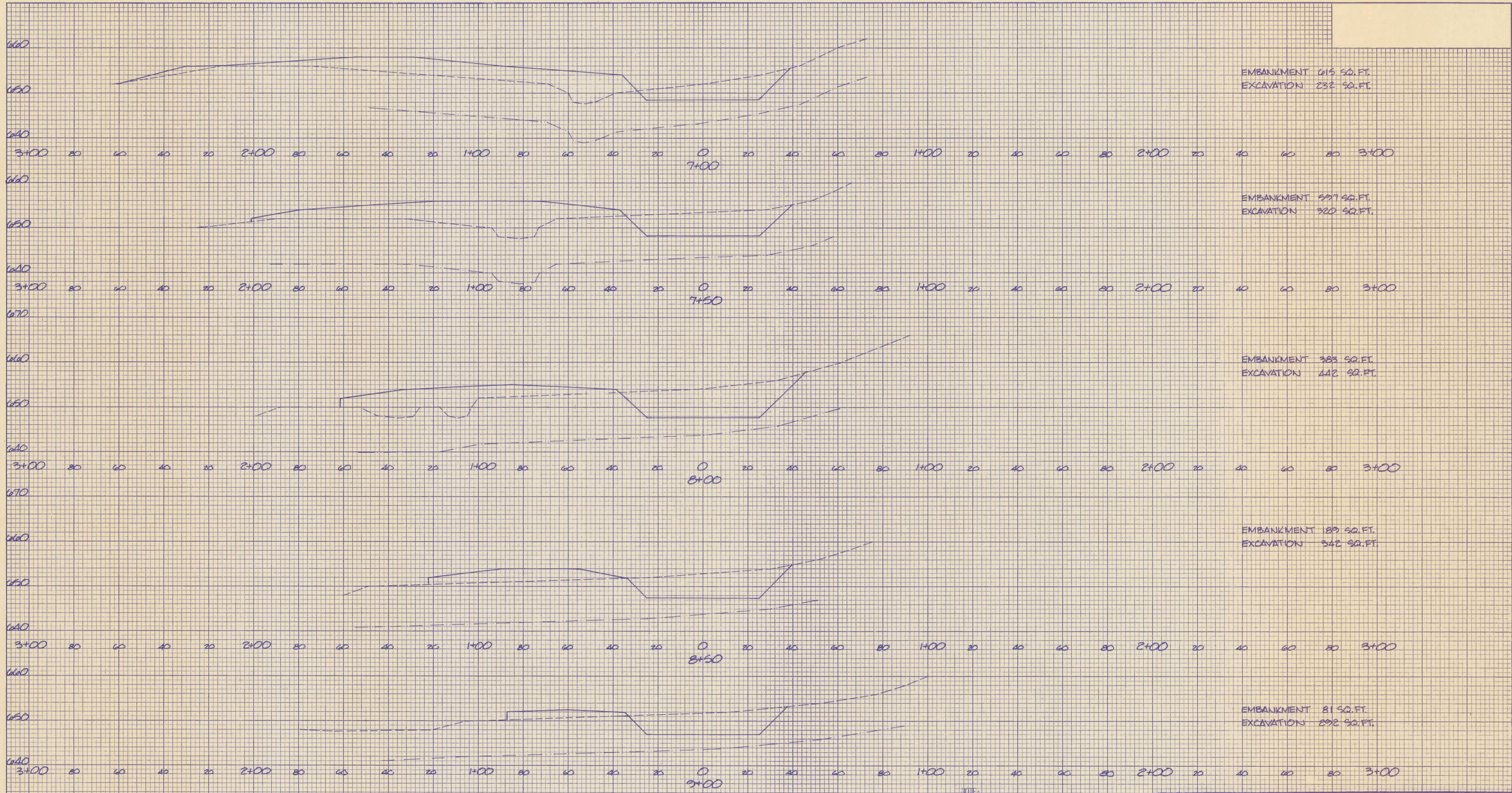
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		RECORD DATE	DRAWING NO. 20
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		CHECKED BY	DIVISION OF ENGINEERING FRANKFORT, KENTUCKY
		A & E FILE NO.	REGISTERED DIV. OF ENGR. 25
		DATE	For Intent Only ENGR. RULE NO. 10-110
		AGENCY AUTHORIZED AGENT	DATE 3-10-82
		DIVISION OF ENGINEERING	DATE 3-25-82



M10-309

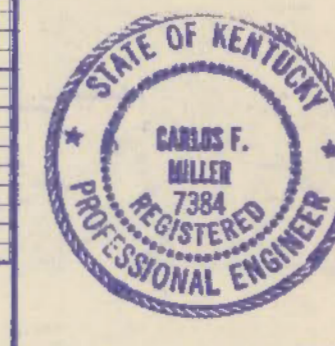
DATE
BY
FINAL SURVEY
NO. SURVEYED
PLOTTED
TEMPLATE
AREAS
CHECKED

DATE
BY
ORIGINAL SURVEY
NO. SURVEYED
PLOTTED
TEMPLATE
AREAS
CHECKED



NOTE:
KEY ALL NEW EMBANKMENT TO EXISTING
GROUND ACCORDING TO TYPICAL SECTION
AND NOTES ON SHEET NO. 4

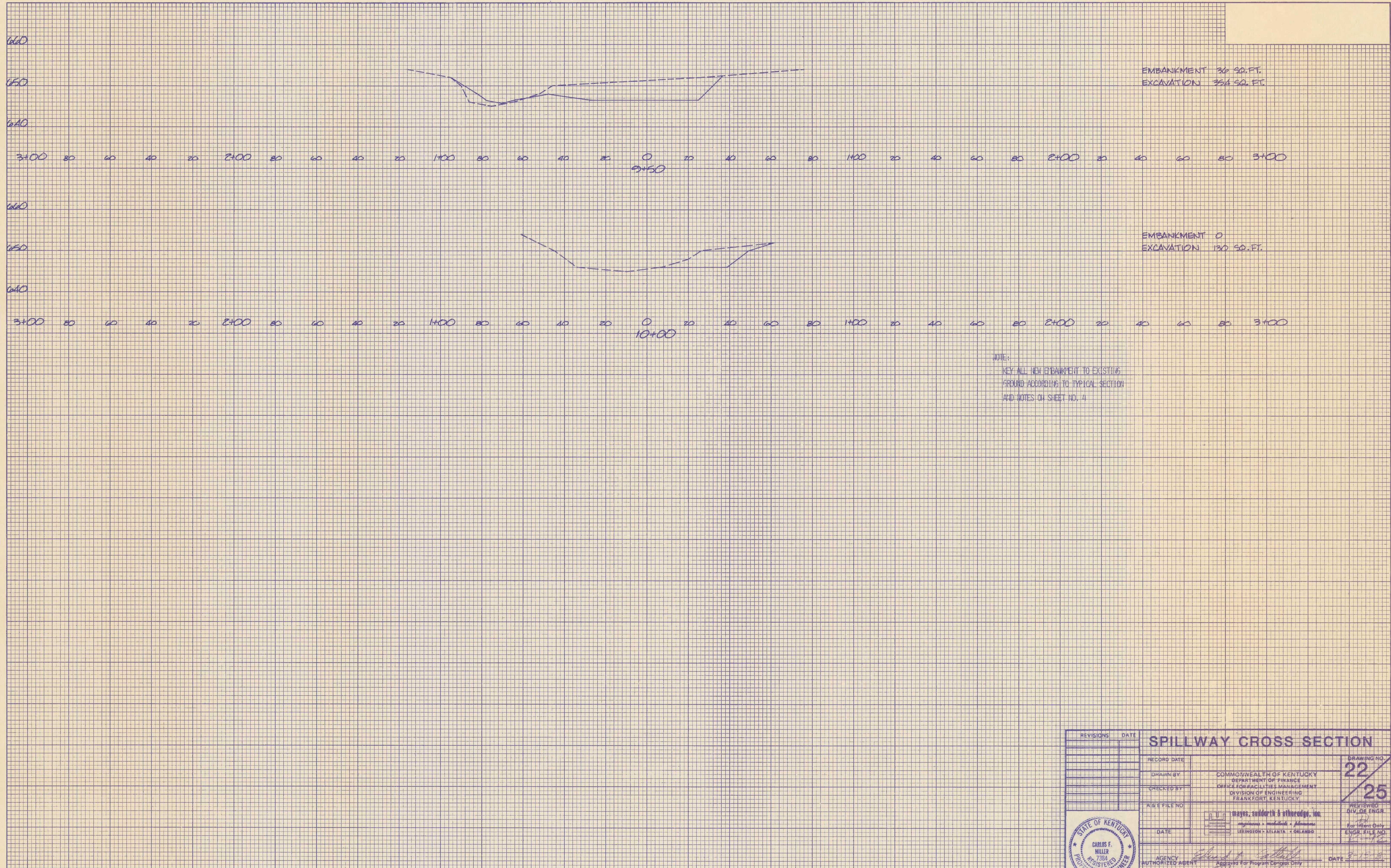
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		REQUIRED DATE	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	21
		DRAWN BY		25
		CHECKED BY		REVIEWED DIV. OF ENGR.
		A/E FILE NO.	mayes, sutherland & starnes, inc. lexington • atlanta • orlando	For Record Only ENGR. FILE NO.
		DATE		
		AGENCY AUTHORIZED AGENT	Approved For Program Concept Only	DATE 2-15-82
		DIVISION OF ENGINEERING	Approved For Program Concept Only	DATE 3-15-82



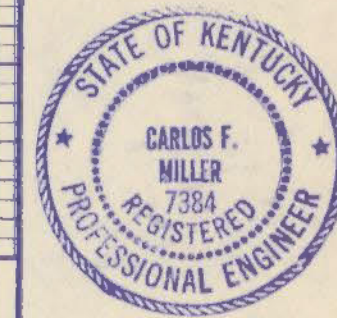
M10-310

DATE	
BY	
ORIGINAL SURVEY NOTE BOOK NO.	
SURVEYED, PLOTTED, & CHECKED AREAS	
FINAL SURVEY NOTE BOOK NO.	
SURVEYED, PLOTTED, & CHECKED AREAS	

DATE	
BY	
ORIGINAL SURVEY NOTE BOOK NO.	
SURVEYED, PLOTTED, & CHECKED AREAS	
FINAL SURVEY NOTE BOOK NO.	
SURVEYED, PLOTTED, & CHECKED AREAS	



REVISIONS	DATE	SPILLWAY CROSS SECTION		DRAWING NO.
		RECORD DATE	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	22
		DRAWN BY		25
		CHECKED BY		
		A/E FILE NO.	W. J. Wages, Suddarth & Suddarth, Inc. Engineers - Architects - Planners Lexington - Atlanta - Orlando	REVIEWED DIV. OF ENGR.
		DATE		For Intent Only ENGR. FILE NO.
		AGENCY AUTHORIZED AGENT	Approved For Program Concept Only	DATE 8-15-88
		DIVISION OF ENGINEERING	Approved For Program Concept Only	DATE 3-15-89



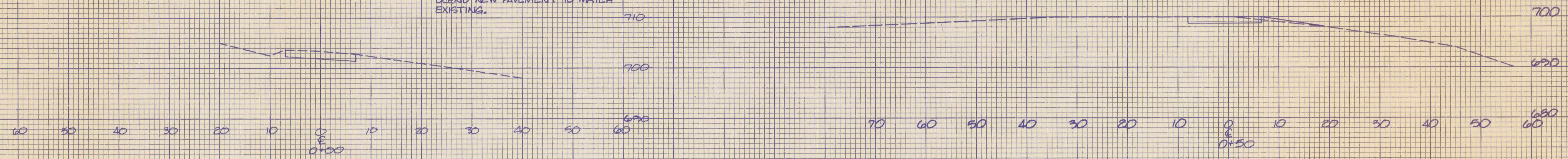
M10-311

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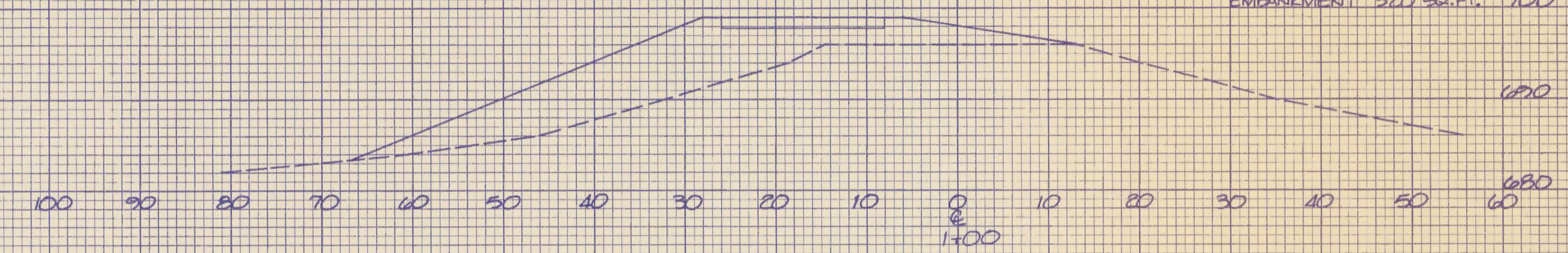
ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

NOTE:
BEGIN EMBANKMENT AT STA 0+15.
BLEND NEW PAVEMENT TO MATCH EXISTING.

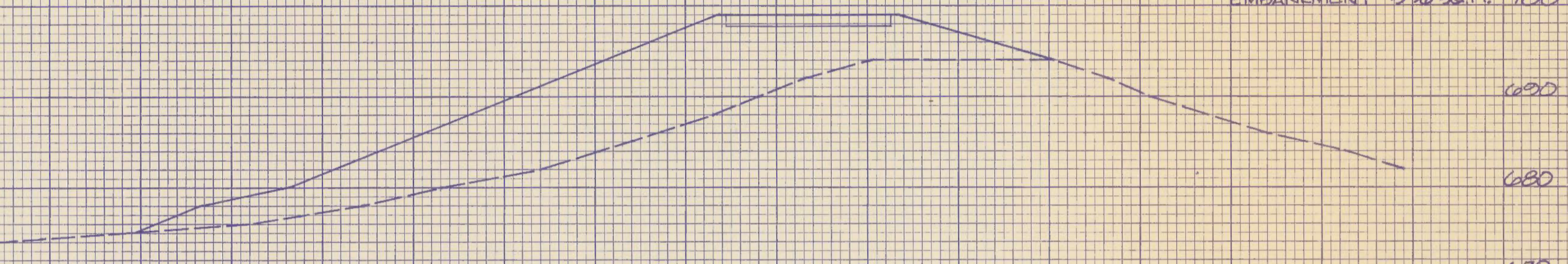
EMBANKMENT 6 SQ.FT.



EMBANKMENT 320 SQ.FT.

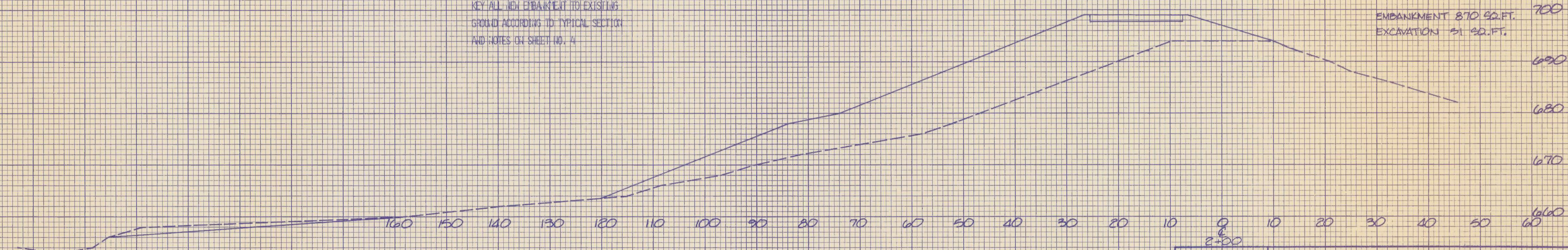


EMBANKMENT 596 SQ.FT.



NOTE:
KEY ALL NEW EMBANKMENT TO EXISTING GROUND ACCORDING TO TYPICAL SECTION AND NOTES ON SHEET NO. 4

EMBANKMENT 870 SQ.FT.
EXCAVATION 51 SQ.FT.

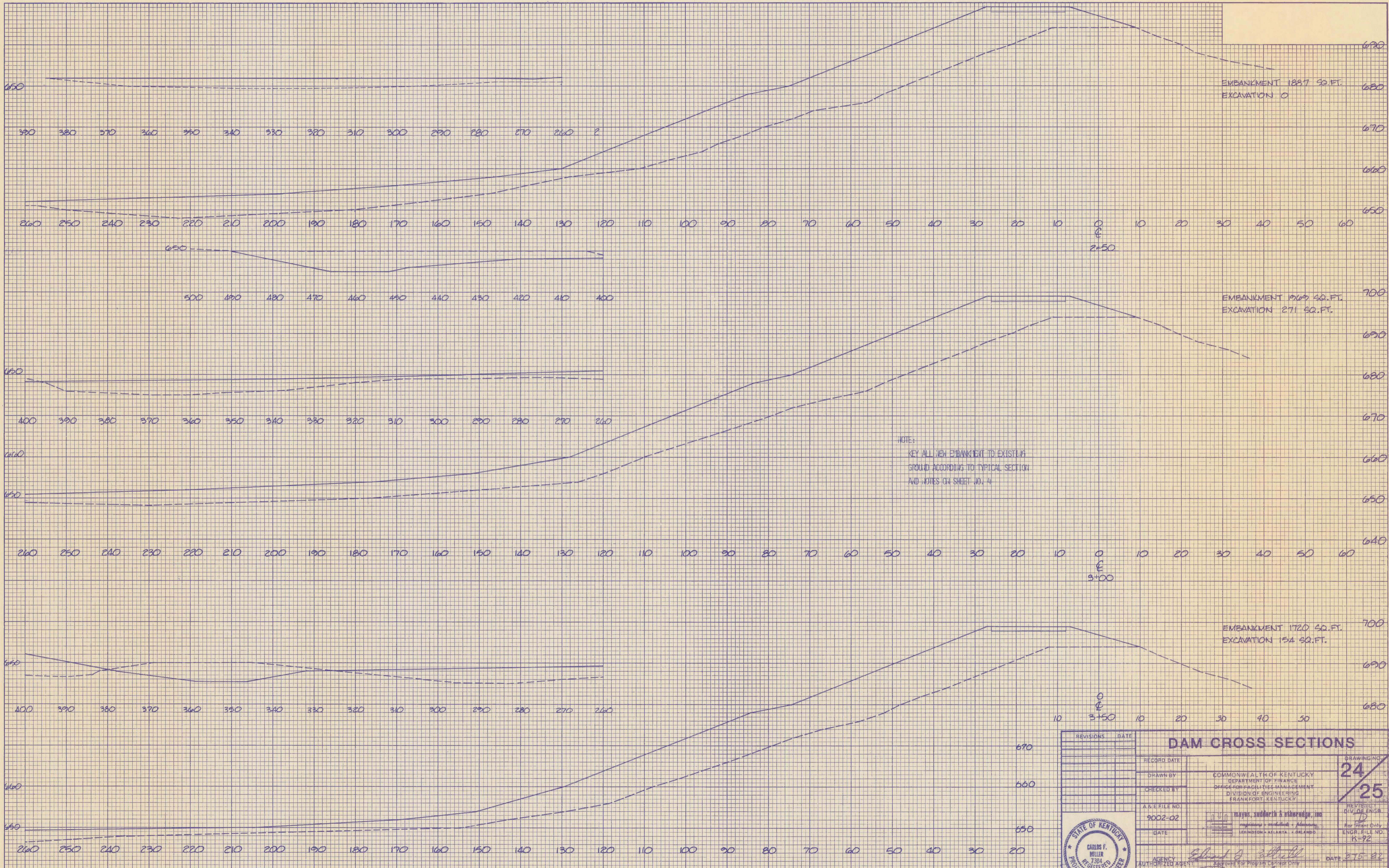


REVISIONS	DATE	DAM CROSS SECTIONS	
		RECORD DATE	DRAWING NO. 23/25
		DRAWN BY	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY
		CHECKED BY	REVIEWED DIV. OF ENGR. [Signature]
		A & E FILE NO. 9002-02	For Client Only ENGR. FILE NO. K-92
		DATE	STATE OF KENTUCKY REGISTERED PROFESSIONAL ENGINEER CARLOS F. MILLER 7384
		AGENCY AUTHORIZED AGENT [Signature]	DATE 3-15-83
		DIVISION OF ENGINEERING [Signature]	DATE 3-15-83

M10-312

DATE	
BY	
FINAL SURVEY	
SURVEYED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

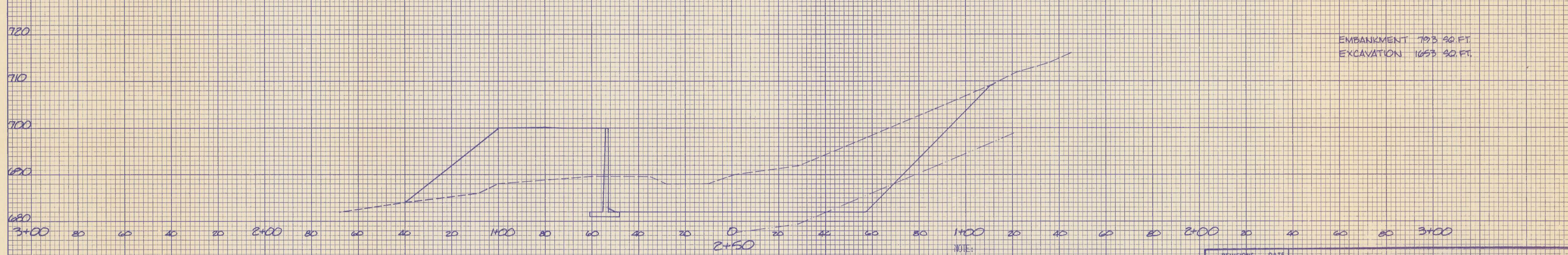
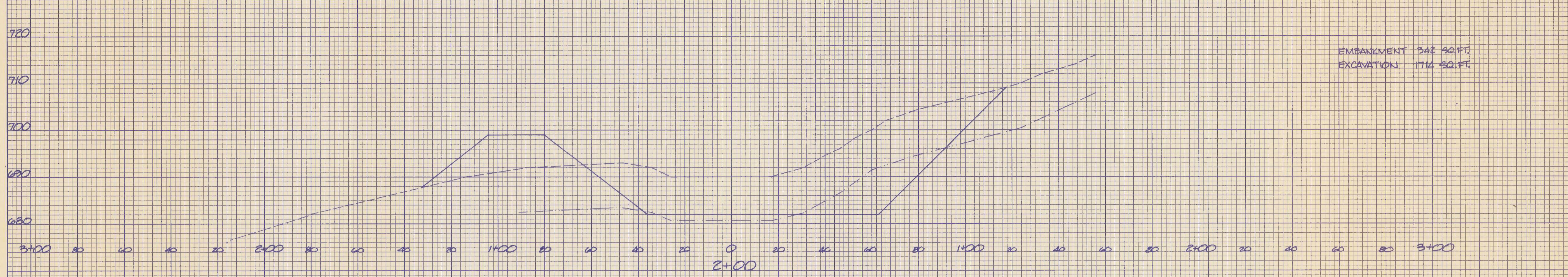
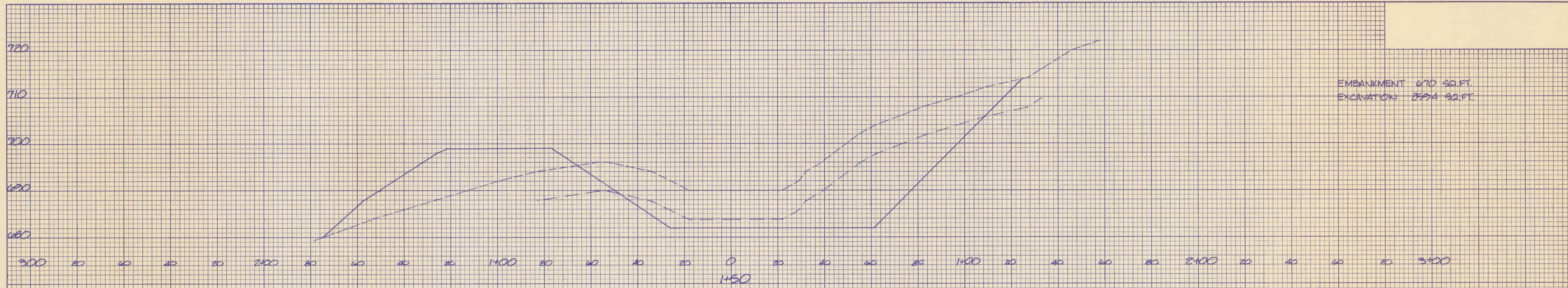


REVISIONS	DATE	DAM CROSS SECTIONS		DRAWING NO.
		RECORD DATE	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE OF INFRASTRUCTURE MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	24
		DRAWN BY		25
		CHECKED BY		REVIEWED
		A.R.E. FILE NO.		DIV. OF ENGR.
		9002-02		12
		DATE		For Print Only
				ENGR. FILE NO.
				K-92
		AGENCY		DATE
		AUTHORIZED AGENT		3-15-82
		DIVISION OF ENGINEERING		DATE
				3-15-82

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DATE _____
 BY _____
 FINAL SURVEY _____
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 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

DATE _____
 BY _____
 ORIGINAL SURVEY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



NOTE:
 KEY ALL NEW EMBANKMENT TO EXISTING
 GROUND ACCORDING TO TYPICAL SECTION
 AND NOTES ON SHEET NO. 4

REVISIONS	DATE	SPILLWAY CROSS SECTIONS	
		RECORD DATE	DRAWING NO. 18/25
		DRAWN BY	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE OFFICE OF FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY
		CHECKED BY	
		A & E FILE NO.	
		DATE	
		AGENCY AUTHORIZED AGENT	
		DIVISION OF ENGINEERING	
		DATE	



M10-307