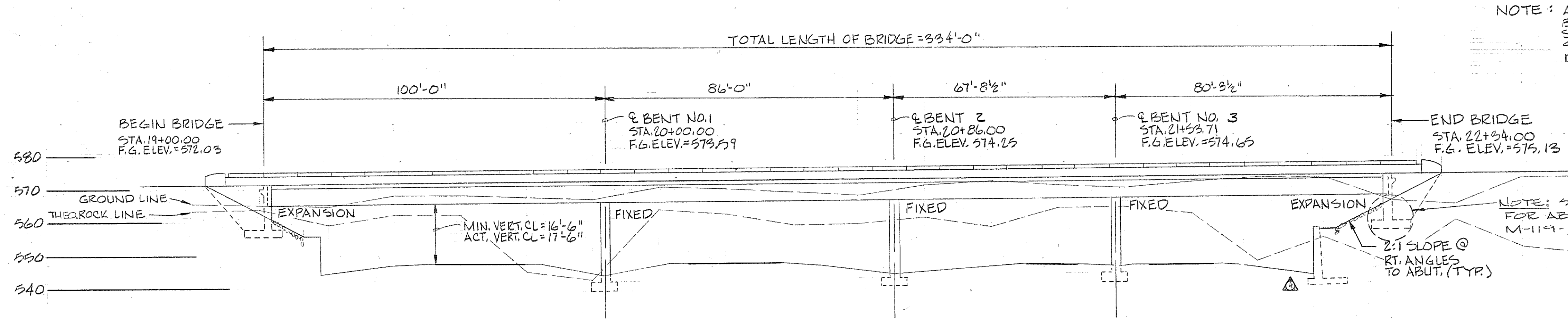


PROJECT NO.	YEAR	SHEET NO.
I-440-4(3)206	1983	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-8-82	J.H.P.	GEN. PLAN
2	4-7-83	J.H.P.	STRUCT. LIGHTING DETAILS
3	4-29-83	J.H.P.	Gen. Plan
4	7-25-83	J.H.P.	LATEST DATES & BENT NO.
			RETAINING WALL

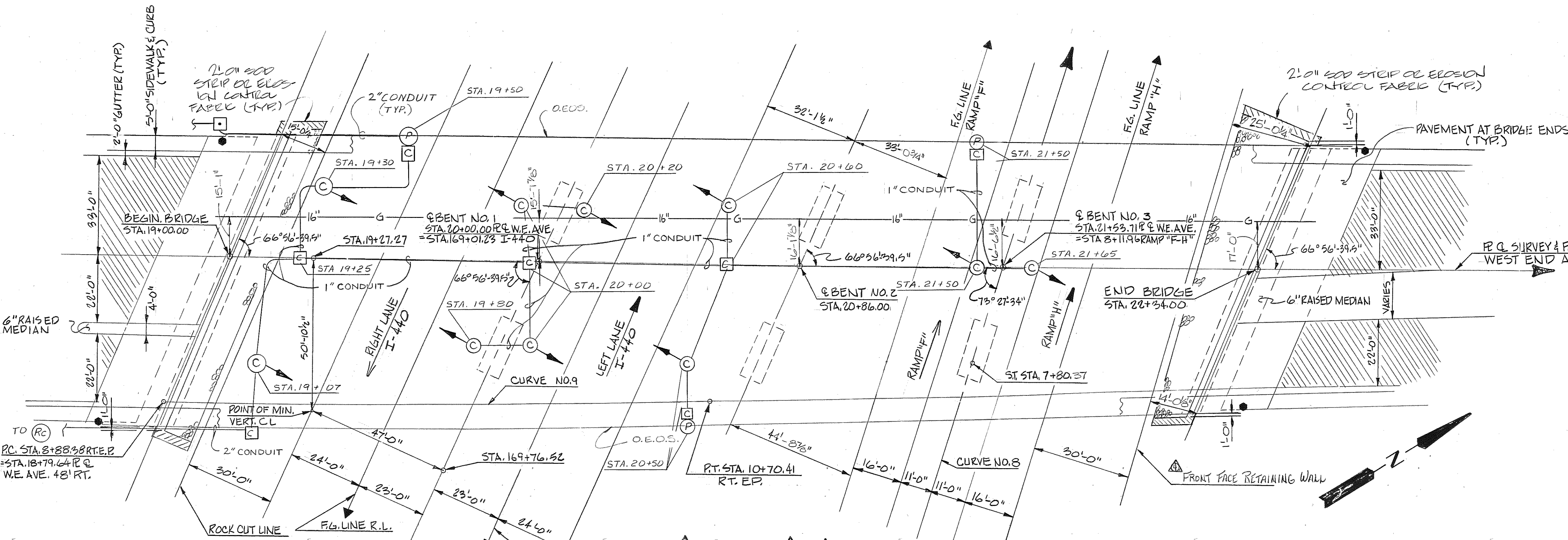


ELEVATION AT RIGHT ANGLES TO Q SURVEY @ WEST END AVE.

NOTE: ALL EXPOSED SURFACES OF ABUTMENTS, BENTS, PARAPET INSET, & RETAINING WALLS SHALL RECEIVE A DECORATIVE FORM FINISH SEE SURFACE FINISH SKETCH ON DWG. NO. M-119-2

NOTE: SEE FOUNDATION NOTE FOR ABUT. NO. 2 ON DWG. NO. M-119-2

NOTE: THE CONTRACTOR SHALL SUPPORT THE ABUTMENTS UNTIL THE SUPERSTRUCTURE IS IN PLACE. FALSEWORK HAS BEEN REMOVED AND BACKFILLING HAS BEEN COMPLETED.



PLAN

⚠ DENOTES: Guardrail Attachment

HORIZONTAL CURVE DATA

CURVE NO. 8 DATA
 RAMP "F-H"
 $\Delta = 80^{\circ}32'16"$
 $\Delta_c = 7^{\circ}03'46"$
 $D_c = 2^{\circ}01'56"$
 $R = 1898.26'$
 $L_s = 99.42'$
 $L_c = 294.07'$
 $D = 0.218'$
 $X_0 = 49.99'$
 $Y_0 = 0.87'$

CURVE NO. 9 DATA
 RT, E.P. W.E. AVE.
 P.I. STA. 9+79.40
 $\Delta = 1^{\circ}49'13"$
 $D = 1^{\circ}00'$
 $R = 2729.58'$
 $T = 91.02'$
 $L = 182.03'$

ESTIMATED 2002 ADT =

ROADWAY VARIES FROM 77'-0" TO 55'-0" (E) WITH K-38-162 RAILINGS, 2'-0" GUTTERS, 5'-0" SIDEWALKS, AND 6" RAISED MEDIAN

LIST OF DRAWINGS

DRAWING	DWG. NO.	REV. DATE
LAYOUT	M-119-1	7-25-85
GEN. NOTES & ESTIMATED QUANTITIES	M-119-2	7-25-85
FOUNDATION DATA	M-119-3	
SUPERSTRUCTURE	M-119-4	4-7-85
SUPERSTRUCTURE DETAILS	M-119-5	8-6-84
SUPERSTRUCTURE DETAILS	M-119-6	2-8-85
SUPERSTRUCTURE DETAILS	M-119-7	2-8-85
SUPERSTRUCTURE DETAILS	M-119-8	2-8-85
SUPERSTRUCTURE DETAILS	M-119-9	2-8-85
SUPERSTRUCTURE DETAILS	M-119-10	2-8-85
ABUTMENT NO. 1	M-119-11	6-12-85
ABUTMENT NO. 1 DETAILS	M-119-12	2-8-85
ABUTMENT NO. 1 DETAILS	M-119-13	2-8-85
ABUTMENT NO. 1 DETAILS	M-119-14	2-8-85
ABUTMENT NO. 2	M-119-15	7-25-85
ABUTMENT NO. 2 DETAILS	M-119-16 & 16A	7-25-85
ABUTMENT NO. 2 DETAILS	M-119-17 & 17A	7-25-85
ABUTMENT NO. 2 DETAILS	M-119-18	7-25-85
BENT NO. 1	M-119-19	2-8-85
BENT NO. 2	M-119-20	2-8-85
BENT NO. 3	M-119-21	4-28-85
BILL OF STEEL	M-119-22	2-8-85
BILL OF STEEL	M-119-23	7-25-85
BILL OF STEEL	M-119-24	2-8-85
TEMP. STD. PRECAST PRESTRESS-ED BRIDGE DECK PANELS	M-103-149 & M-103-150	

STANDARD DRAWINGS

DRAWINGS	DWG. NO.	REV. DATE
STANDARD FILE DETAILS	H-5-111	11-12-82
STANDARD REINFORCING	K-80-14	8-27-76
BAR SUPPORT	K-86-150	1-9-75
MISC. ABUTMENT & DRAINAGE DETAIL	K-86-144	7-17-81
REINFORCING CONCRETE PAVEMENT @ BRIDGE ENDS	K-38-162	11-82
BRIDGE RAILING - CONCRETE PARAPET	FD-5A-1	1-11-82
SLOPE PROTECTION	M-8-149	11-20-75
LIGHT STANDARD SUPPORT DETAILS		

SPECIAL PROVISIONS

DRAWINGS	DWG. NO.	REV. DATE
REGARDING APPROVAL OF SHOP DRAWINGS	105A	9-8-81
REGARDING EPOXY-COATED REINFORCING STEEL	907A	9-8-81

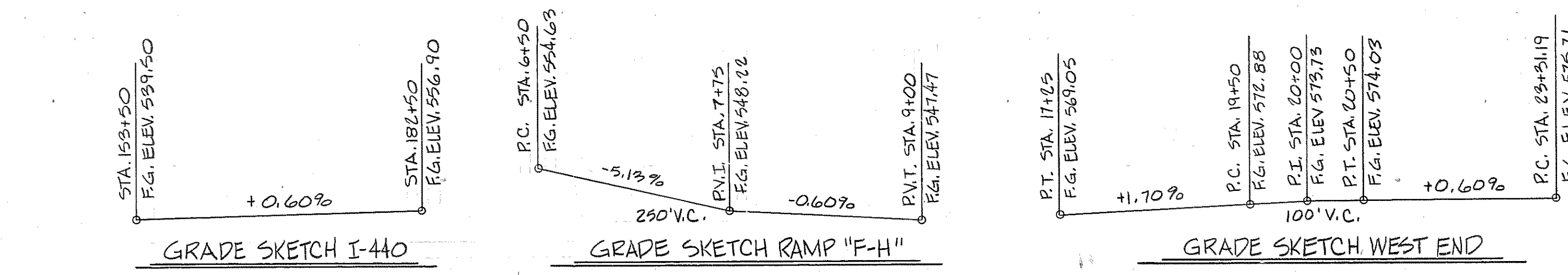
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS

LAYOUT OF BRIDGE #6
 WEST END AVENUE OVER
 INTERSTATE 440 & RAMP "F-H"
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

CORRECT *Colleton L. Foreall*
 ENGINEER OF STRUCTURES
 APPROVED *Lewis Evans*
 DIRECTOR OF HIGHWAYS

M-119-1

CLASS "A" GRADING "D" = 1002.6 C.Y.



DESIGNED BY J. PRINCE DATE 11-82
 DRAWN BY TULL BENTON DATE 11-82
 SUPERVISED BY FIELDS & SMITH DATE 11-82
 CHECKED BY J. PRINCE DATE 1-83

SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION. (MARCH, 1981 EDITION)

LOADING: HS 20-44

DESIGN SPECIFICATIONS: AASHTO 1977 EDITION WITH ADDENDA.

CONCRETE: TO BE CLASS "A", $f'_c = 3000$ PSI. UNLESS NOTED OTHERWISE.

CLASS "A" CONCRETE FOR BRIDGE DECKS SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS EXCEPT AS FOLLOWS: MINIMUM 28 DAY COMPRESSIVE STRENGTH = 4500 P.S.I.; MAXIMUM WATER CEMENT = 5.0 GAL/BAK OF CEMENT; AIR CONTENT = $6\% \pm 2\%$; PAYMENT WILL BE MADE UNDER ITEM 604-01.12.

BRIDGE DECK FORMS: BRIDGE DECK FORMS FOR CONCRETE DECKS SHALL BE CONSTRUCTED USING EITHER REMOVABLE FORMS OR PERMANENT FORMS. PERMANENT FORMS MAY BE EITHER REMAIN-IN-PLACE STEEL OR PRECAST, PRESTRESSED CONCRETE PANELS. IN EITHER CASE, FORMS SHALL BE ATTACHED BY MEANS OTHER THAN WELDING TO SUPPORT MEMBERS. THE CONTRACTOR SHALL TAKE STEPS TO ASSURE THE STABILITY OF THE EXTERIOR GIRDER AGAINST TWISTING OR OVERTURNING DURING SLAB POURING OPERATIONS.

REINFORCING STEEL: TO BE ASTM A615 GRADE 60. STANDARD CRSI HOOK DETAILS APPLY UNLESS OTHERWISE NOTED ON BILL OF STEEL. BENDING DIMENSIONS SHOWN ARE BASED ON GRADE 60. SPACING DIMENSIONS ARE CENTER TO CENTER UNLESS OTHERWISE NOTED ON DETAIL DRAWINGS. (THE SUFFIX E, FOR BARS SO MARKED, DENOTES EPOXY COATED REINFORCEMENT. SEE SPECIAL PROVISION 907A.

SPECIAL NOTE - FOOTING FOR BENTS & ABUTMENTS: AFTER EXCAVATION TO ROCK FOR FOOTING HAS BEEN COMPLETED, HOLES 6" DEEP SHALL BE DRILLED AT POINTS DESIGNATED BY THE ENGINEER. FROM THE RESULTS OBTAINED, THE ENGINEER SHALL DETERMINE THE FINAL FOOTING ELEVATIONS. NO REINFORCING STEEL FOR BENT COLUMNS SHALL BE ORDERED UNTIL FINAL FOOTING ELEVATIONS HAVE BEEN DETERMINED.

BRIDGE RAIL SYSTEM: BUILD PARAPETS ACCORDING TO STANDARD DRAWING K-38-162.

SHOP DRAWINGS: SEE SPECIAL PROVISION NO. 105 A.

SPECIAL NOTE FOR UTILITIES: IT IS INTENDED THAT THE COST OF MATERIALS AND LABOR NECESSARY FOR THE COMPLETE INSTALLATION OF UTILITIES SHALL BE BORNE BY OTHERS AND SHALL NOT BE PAID FOR AS A PART OF THIS CONTRACT. THE CONTRACTOR SHALL COOPERATE WITH OTHERS IN THE INSTALLATION OF UTILITIES WITH NO ADDITIONAL COMPENSATION ALLOWED THE CONTRACTOR AS A RESULT.

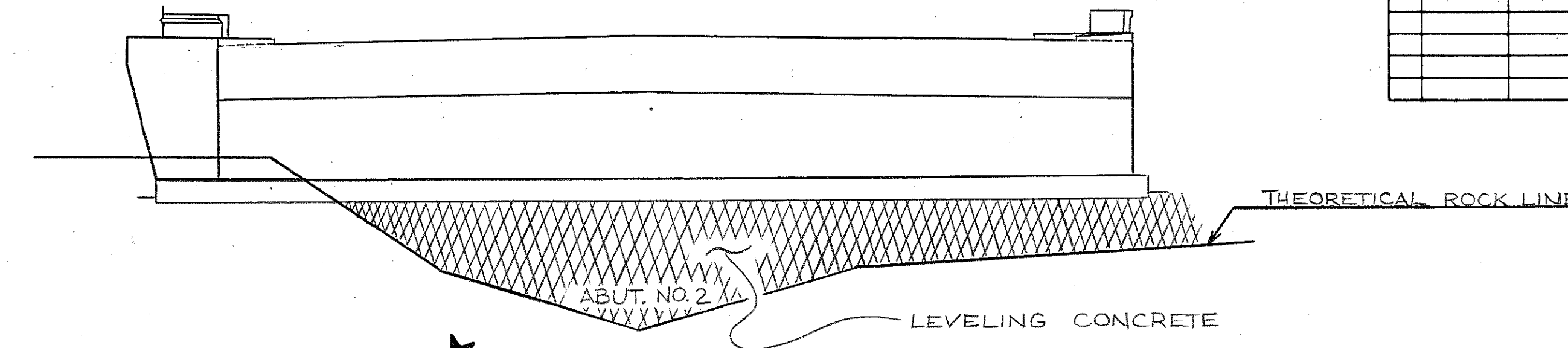
BEARING FENCES SHALL BE IN ACCORDANCE WITH THE DETAILS AND DIMENSIONS SHOWN ON DRAWING M-119-1B. THE CONTRACTOR MAY ALSO SUBMIT ALTERNATE DETAILS FOR APPROVAL. DEAD LOAD REACTION = 101.0 KIPS, LIVE LOAD REACTION = 51.0 KIPS, TOTAL MOVEMENT = $7/8"$.

NOTE: MACHINED RIP-RAP FOR SLOPE PROTECTION SHALL BE 3" TO 6" IN SIZE AND MEET THE QUALITY REQUIREMENTS OF SUB-SECTION 718-10 AND BE PAID FOR UNDER ITEM NO. 709-05.04. SEE STANDARD DRAWING NO. EP-2A-1.

CONST. NO. 19014.3111-44

PROJECT NO.	YEAR	SHEET NO.
1440-4(53)204	1983	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-8-83	JHP	GENERAL
2	4-7-83	AMS	STRUCT. LIGHTING DETAILS
3	7-25-83	JHP	ABUT. NO. QUANTITIES



★ SPECIAL FOUNDATION NOTE FOR ABUTMENT NO. 2 ★

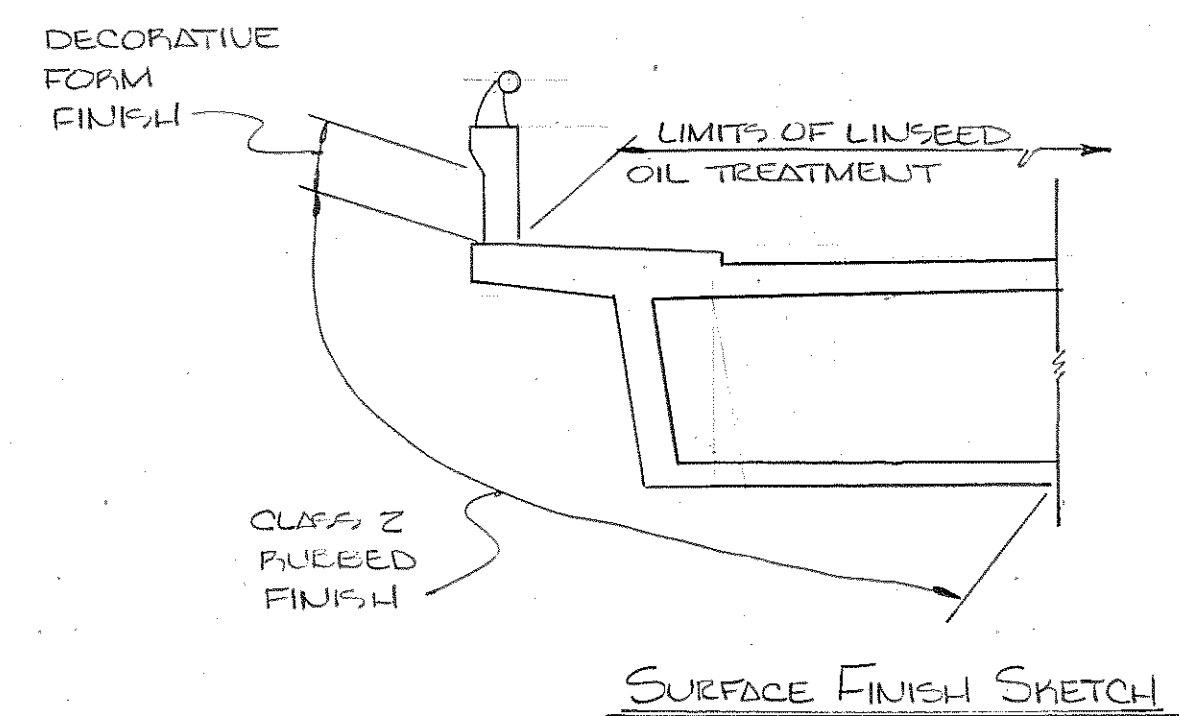
DUE TO FOUNDATION UNCERTAINTIES, THE DIVISION OF STRUCTURES SHALL BE NOTIFIED AFTER EXCAVATION TO TOP OF ROCK. ALL DRY EXCAVATION AT THIS LOCATION SHALL BE PAID FOR UNDER ROADWAY ITEM 203-01 (ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)). ALL ROCK EXCAVATION AT THIS LOCATION SHALL BE PAID FOR UNDER ITEM 204-04.01 (ROCK EXCAVATION (BRIDGES)), EXCEPT THAT NO PERCENT INCREASE SHALL BE ALLOWED FOR EXTRA DEPTH EXCAVATION. LEVELING CONCRETE IF REQUIRED, SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.

ESTIMATED QUANTITIES

ITEM NUMBERS	204-02.01	204-04.01	204-05	604-03.01	604-02.03	604-03.02	604-03.03	620-14	710-10	710-11	604-01.12	709-05.04	606-22.03	606-32.03	606-42.03	908-21.04	920-01.11	714-01.06
ITEMS	DRY EXCAVATION (BRIDGES)	ROCK EXCAVATION (BRIDGES)	ROCK DRILLING (BRIDGES)	CLASS "A" CONCRETE (BRIDGES)	EPOXY COATED REINFORCING STEEL	STEEL BAR REINFORCEMENT (BRIDGES)	LINSEED OIL TREATMENT	CONCRETE PARAPET W/ STP. TUBING (1" - 3/8" - 1 1/2") L.F.	6" PERF. C.M. PIPE (18 GA.) W/POROUS BACKFILL	6" C.M. PIPE UNDERDRAINS (18 GA.)	CLASS "A" CONCRETE (BRIDGE DECK) C.Y.	MACHINED RIP-RAP (3 IN. TO 6 IN.) C.Y.	STEEL PILES (10 INCH) (FURNISH DOMESTIC) L.F.	STEEL PILES (10 INCH) (FURNISH FOREIGN) L.F.	STEEL PILES (10 INCH) (FURNISH FOREIGN) L.F.	BEARINGS M-119-1B EA.	ROADWAY EXPANSION DEVICE L.F.	STRUCTURE LIGHTING (BRIDGE NO. 6) L.S.
SUPERSTRUCTURE	C.Y. ①	△ C.Y. ①	L.F.	△ C.Y. △	△ LBS. △	△ LBS. △	S.Y.	△ L.F. ④	△ L.F. ②	△ L.F.	△ C.Y.	△ C.Y.	△ L.F. △	△ L.F. △	△ L.F. △			⑥
ABUTMENT NO. 1	214	506	66	1,235.0	541,189	336,210			119	25	746.0	24	480			10	107	
BENT NO. 1		212	24	150		25,117												
BENT NO. 2		220	24	156		26,354												
BENT NO. 3		233	24	145		24,370												
ABUTMENT NO. 2		46	66	272	5,083	35,470		112	25			33				10	99	
PIEMENT @ BRIDGE ENDS				226	16,166	39,508							220	220	220			
TOTALS	214	1,222	204	2,578.6	568,158	525,165	396.5	761	231	50	746.0	57	700	220	220	10	206	1

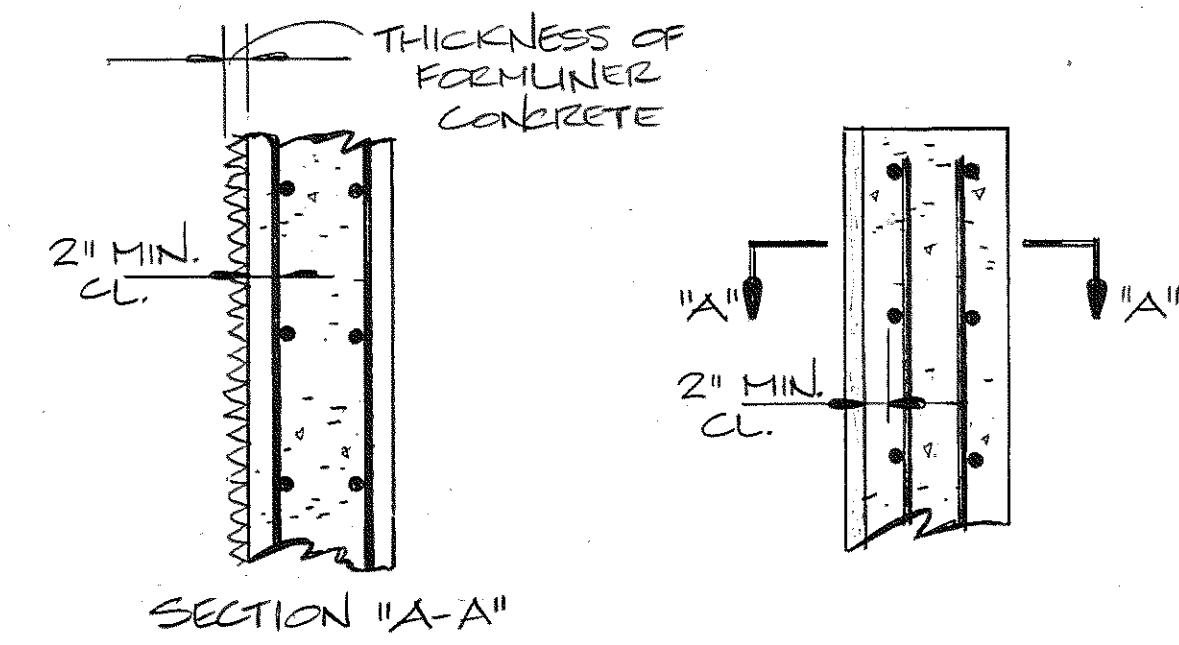
NOTES

- EXCAVATION BASED ON LOWER ROAD PROFILE.
- COST OF POLYETHYLENE SHEETING AND ALL MISCELLANEOUS ITEMS NECESSARY FOR INSTALLATION TO BE INCLUDED IN COST OF PERFORATED C.M. PIPE.
- THE COST OF 16 THREADED STEEL INSERTS AND 16 $7/8"$ ϕ x 4" HEX HEAD BOLTS, (A307), TO BE INCLUDED IN BRIDGE ITEM BID ON.
- ALL REINFORCING STEEL IN THE TRAFFIC EDGE OF PARAPETS SHALL BE EPOXY-COATED. COST TO BE INCLUDED IN THE PRICE BID FOR ITEM - 620-14.
- THE EXPANSION JOINTS AT ABUTMENTS 1 AND 2 SHALL BE EITHER ON FLEX 25 BY ACCESSORIES, INC.; AS 200 BY ACME HIGHWAY PRODUCTS, INC.; WABO-MAURER 58 200 BY WATSON BOWMAN ASSOCIATES, INC.; OR EQUAL. TOTAL REQUIRED MOVEMENT IS $7/8"$.



CONCRETE FINISHES: PORTIONS OF THE BRIDGE SURFACE DESIGNATED TO RECEIVE A CLASS 2 "POLISHED FINISH" SHALL BE FINISHED ACCORDING TO SUBSECTION 604-22 OF THE STANDARD SPECIFICATIONS. PORTIONS OF THE BRIDGE SURFACE DESIGNATED TO RECEIVE A DECORATIVE FORM FINISH SHALL BE FORMED USING A FORMLINER, SIMILAR TO BURKE FORM-LINER E6305 CONCRETE HARP, LITHOTEX FORMLINER FRACTURED FINISH GROOVED T-150, SYMONS 3/4" LARKOW FRACTURED FIN P/C 30907-9 OR EQUAL. AFTER STIFFENING FORMLINERS, THE DECORATIVE FORM FINISHED AREAS SHALL RECEIVE A CLASS 1, ORDINARY FINISH IN ACCORDANCE WITH SUBSECTION 604-23 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A SAMPLE CASTING USING THE FORMLINER TO BE FURNISHED. THE COST OF ALL CONCRETE FINISHES SHALL BE INCLUDED IN THE UNIT PRICE OF ITEMS BID ON. SURFACES RECEIVING A DECORATIVE OR CLASS 2 FINISH SHALL NOT RECEIVE A LINSEED OIL TREATMENT. SEE SURFACE FINISH SKETCH THIS SHEET.

⑥ LUMP SUM FOR STRUCTURE LIGHTING, ITEM NO. 714-01.06 INCLUDES 650 FT. 1" ϕ CONDUIT WITH PULL WIRES, 160 FT. 2" ϕ CONDUIT W/PULL WIRES, 17 PULL BOXES, 12 ANCHOR BOLTS AND ALL NECESSARY MATERIALS FOR INSTALLATION OF STRUCTURE LIGHTING.



TYPICAL FORMING DETAILS

NOTE: THESE DETAILS ARE TYPICAL FOR ALL STRUCTURAL ELEMENTS REQUIRING DECORATIVE FORM LINERS EXCEPT CONCRETE PARAPETS. PARAPET DIMENSIONS MAY BE REDUCED BY THE THICKNESS OF THE FORMLINERS IN ORDER TO UTILIZE STANDARD PARAPET FORMS. REINFORCING BAR DIMENSIONS SHALL BE REDUCED ACCORDINGLY.

DESIGNED BY J. PEINCE
DRAWN BY S. SHULTZ & G. KRUG
SUPERVISED BY FIELDS & SMITH
CHECKED BY J. PEINCE

DATE 11-82
DATE 11-82
DATE 11-82
DATE 1-83

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

GENERAL NOTES & ESTIMATED QUANTITIES
WESTEND AVE. OVER I-440 & RAMP "F-H"
STATION 169+01.23
DAVIDSON COUNTY
1983.

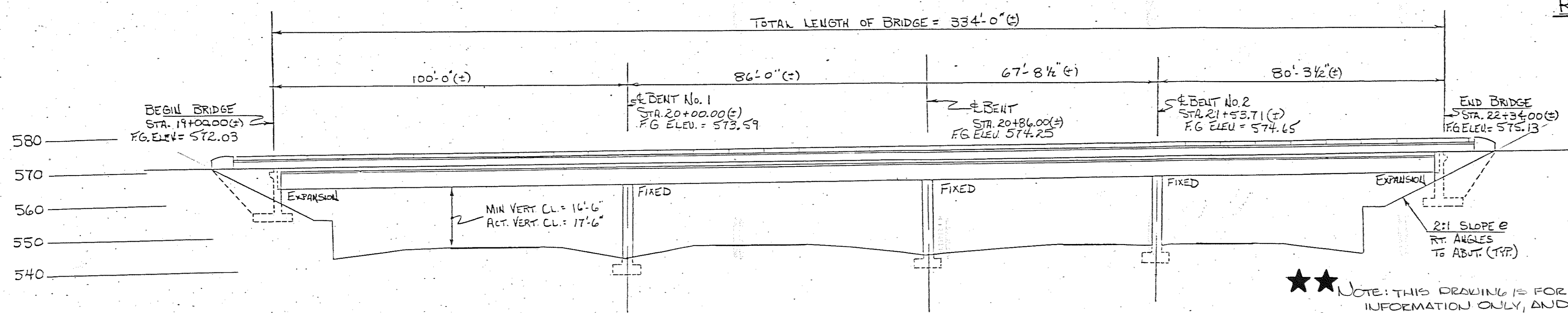
CORRECT *Chilton L. Lowall*
ENGINEER OF STRUCTURES
APPROVED *Louis Juarez*
DIRECTOR OF HIGHWAYS

M-119-2

PROJECT NO.	YEAR	SHEET NO.	
I-440-4(3)206	1982	1982	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

REQUIRED:

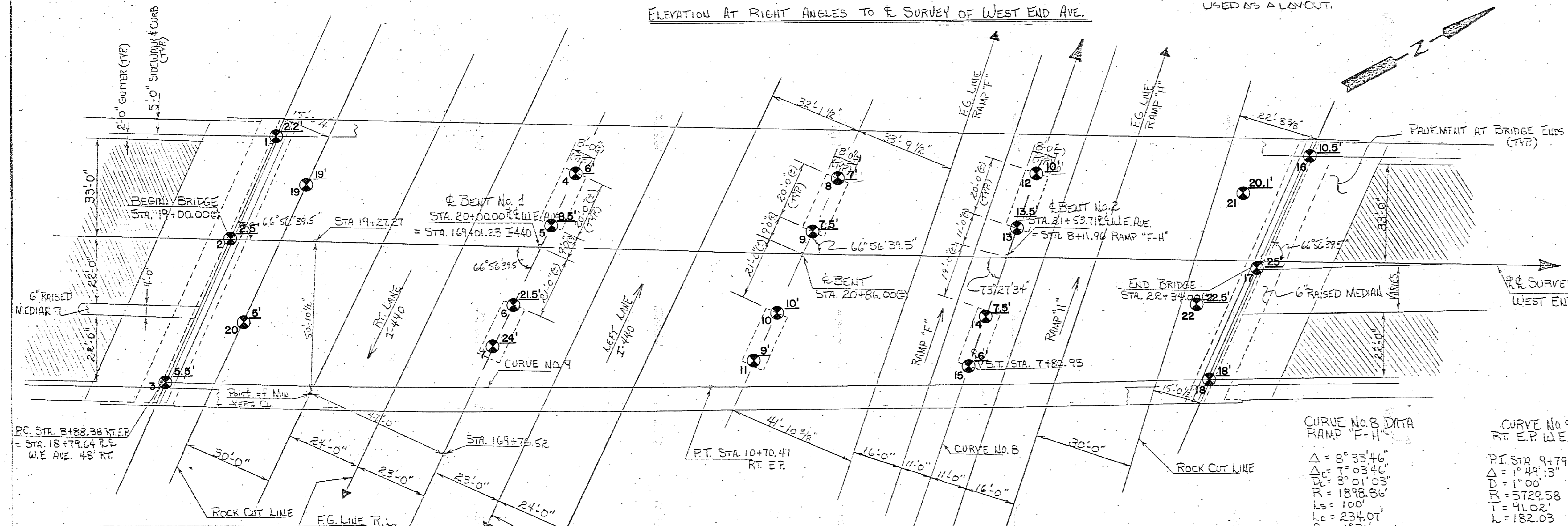
- a) SUFFICIENT GROUND, ROCK AND CORING INFORMATION FOR BRIDGE FOUNDATION.
- b) APPROXIMATE EXISTING GROUND LINE & ROCK LINE



BENCHMARK: MONUMENT #30 BRASS CAP IN CURB LOCATED IN SE CORNER OF LANCASTER AVE. & WEST END ELEV. 568.26

*** NOTE: THIS DRAWING IS FOR FOUNDATION INFORMATION ONLY, AND IS NOT TO BE USED AS A LAYOUT.

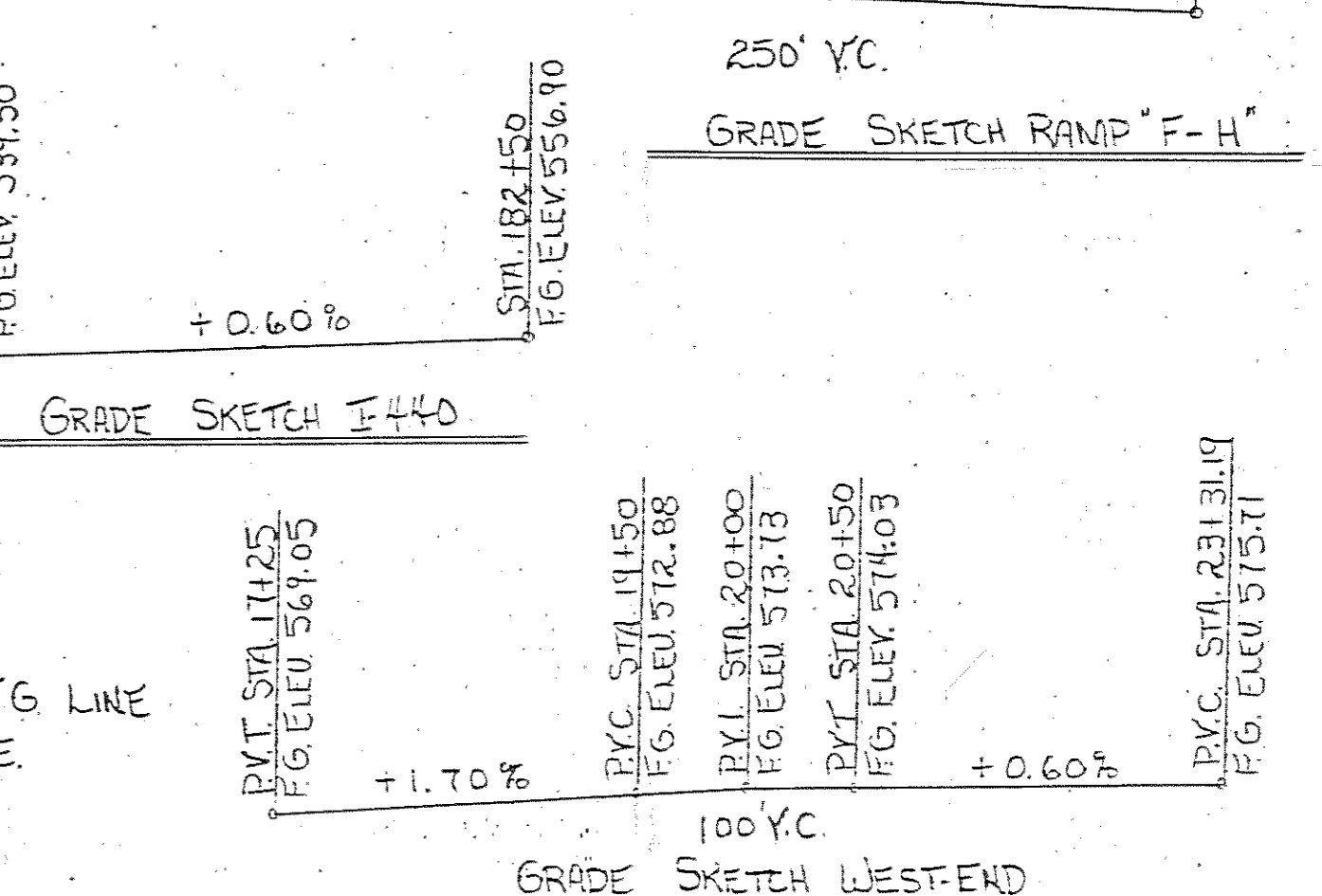
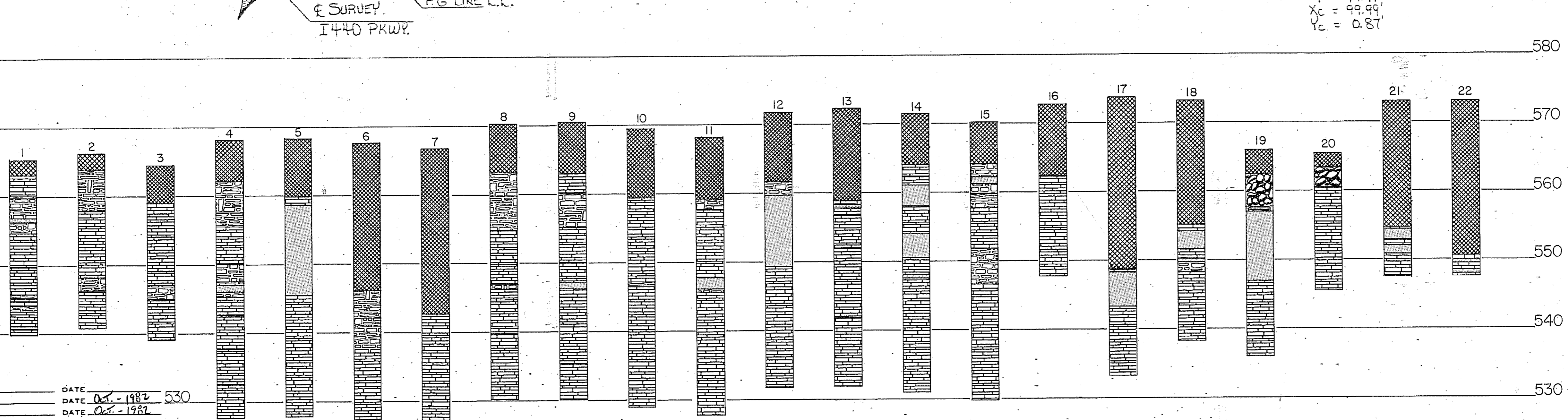
ELEVATION AT RIGHT ANGLES TO & SURVEY OF WEST END AVE.



PLAN

GROUND AND TOP OF ROCK ELEVATION

1. G 565.4 R 563.2	12. G 571.8 R 561.8
2. G 566.3 R 563.8	13. G 572.2 R 558.7
3. G 564.5 R 559.0	14. G 571.5 R 564.0
4. G 568.0 R 562.0	15. G 570.7 R 564.1
5. G 568.2 R 559.7	16. G 572.8 R 562.3
6. G 567.6 R 546.1	17. G 573.8 R 548.8
7. G 566.8 R 542.8	18. G 573.2 R 555.2
8. G 570.2 R 563.2	19. G 566.0 R 547.0
9. G 570.4 R 562.9	20. G 565.5 R 560.5
10. G 569.4 R 559.4	21. G 573.0 R 552.9
11. G 568.1 R 559.1	22. G 573.0 R 550.5

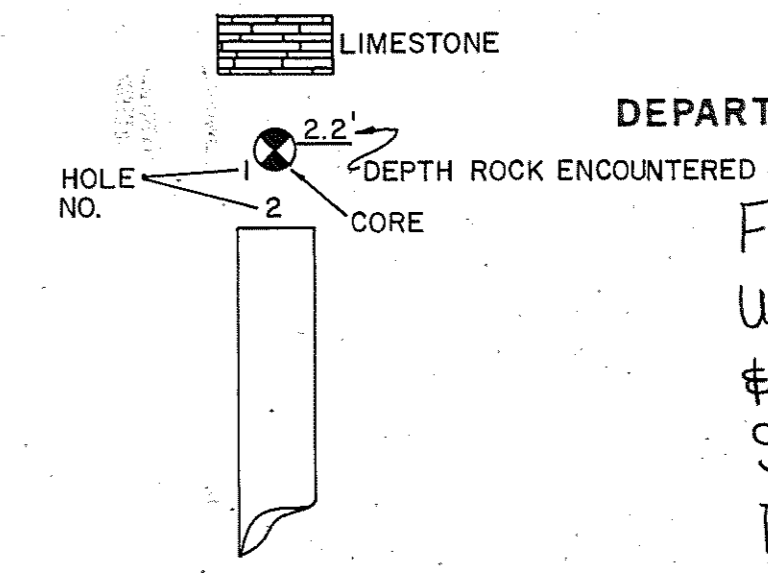


GENERAL NOTES

- SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION. (MARCH, 1981 EDITION)
- LOADING: H520-44
- DESIGN SPECIFICATION: AASHTO 1977 EDITION WITH ADDENDA
- CONCRETE: TO BE CLASS 'A' $f'_c = 3000$ PSI DECK CONCRETE: TO BE CLASS 'A' $f'_c = 4500$ PSI
- REINFORCING STEEL: TO BE ASTM A615 GRADE 60
- SUPERSTRUCTURE: CONTINUOUS CAST-IN-PLACE CONCRETE BOX GIRDER

- CLAY FILLED CAVITY
- OVERBURDEN, PAVEMENT, AND SILTY CLAY
- CLAY AND BOULDERS
- WEATHERED LIMESTONE
- LIMESTONE

Legend



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

FOUNDATION DATA
WEST END OVER I-440
& RAMP "F-H"
STA. 169+01.23
DAVIDSON Co. 1982

DESIGNED BY: Joe H. Prince
DRAWN BY: Joe H. Prince
SUPERVISED BY: A.M. Smith
CHECKED BY: A.M. Smith
DATE: Oct - 1982
DATE: Oct - 1982

CORRECT: *William L. Sorell*
ENGINEER OF STRUCTURES
APPROVED: *Louis J. Swain*
DIRECTOR OF HIGHWAYS

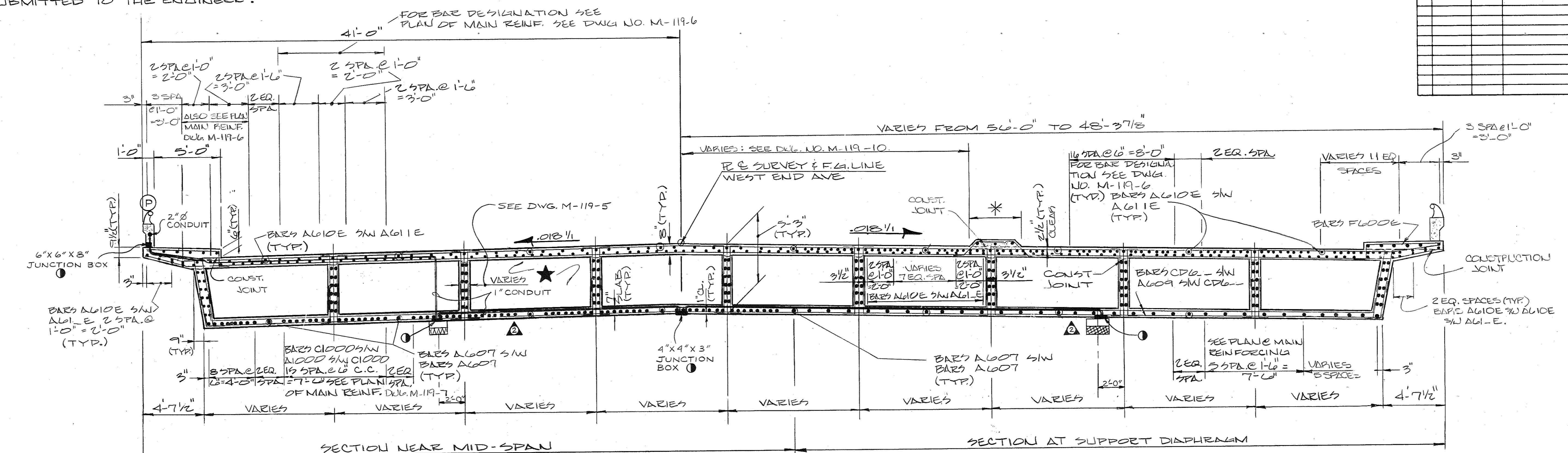
NOTE: WHEN POURING SIDEWALKS, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR BRIDGE RAIL. THE PARAPET SHALL NOT BE POURED UNTIL THE SLAB IS POURED AND CURED. WHEN POURING PARAPET PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS FOR PARAPET RAILS.

NOTE: IF THE CONTRACTOR ELECTS TO USE PERMANENT STEEL BRIDGE DECK FORMS, DETAILS FOR PROVIDING ACCESS TO ALL CELLS OF THE STRUCTURE SHALL BE SUBMITTED TO THE ENGINEER.

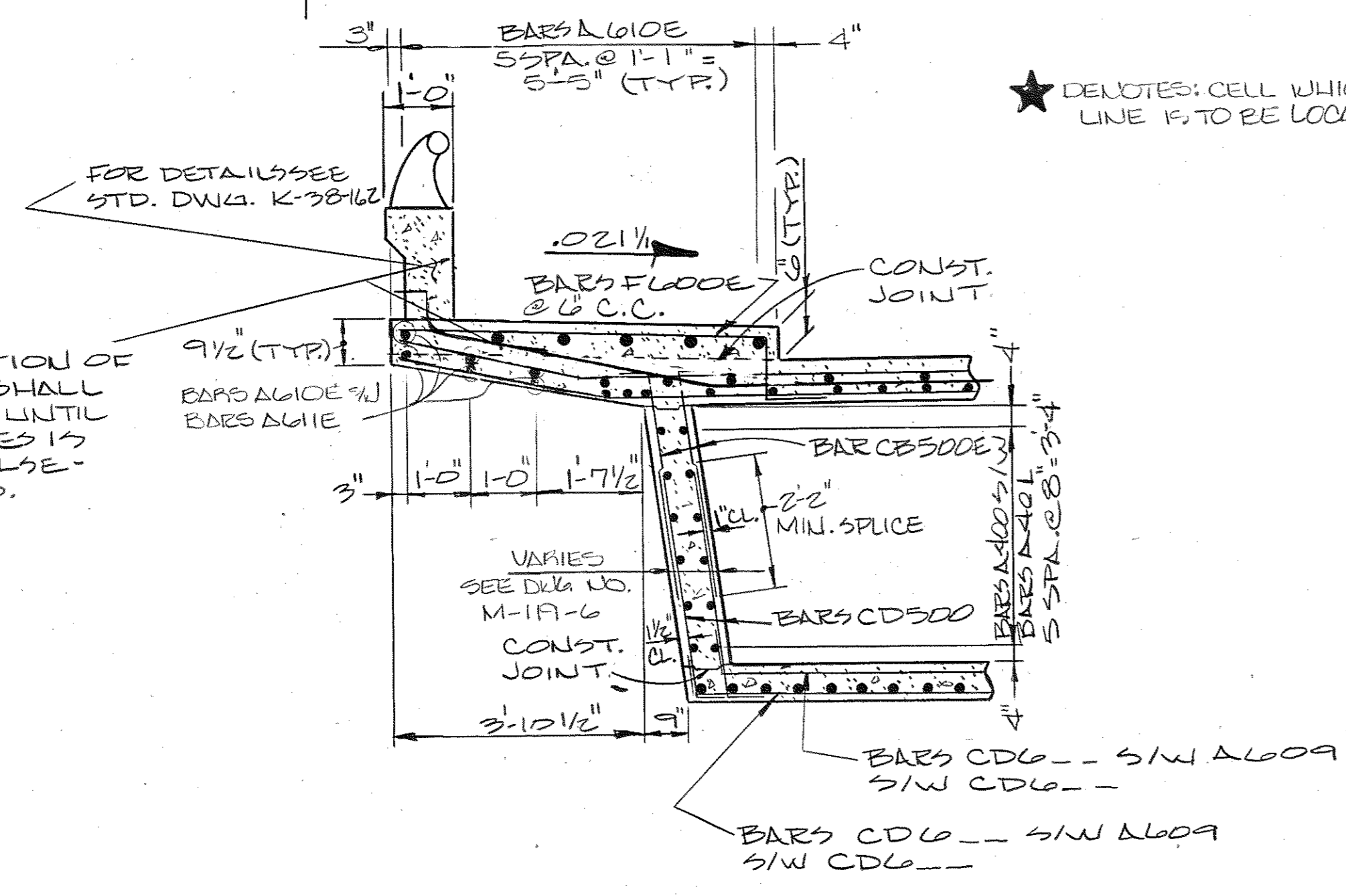
* MEDIAN WIDTH VARIES FROM 4'-0" TO 9'-0" FOR DETAILS AND BAR DESIGNATION SEE DWG. NO. M-119-10.

CONST. NO. 19014-3111-44

PROJECT NO.	YEAR	SHEET NO.	
1440-413/206	1983		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-8-83	JHP	GEN. REIN.
2	4-7-83	AMS	STRUCT. LIGHTING DTLS.

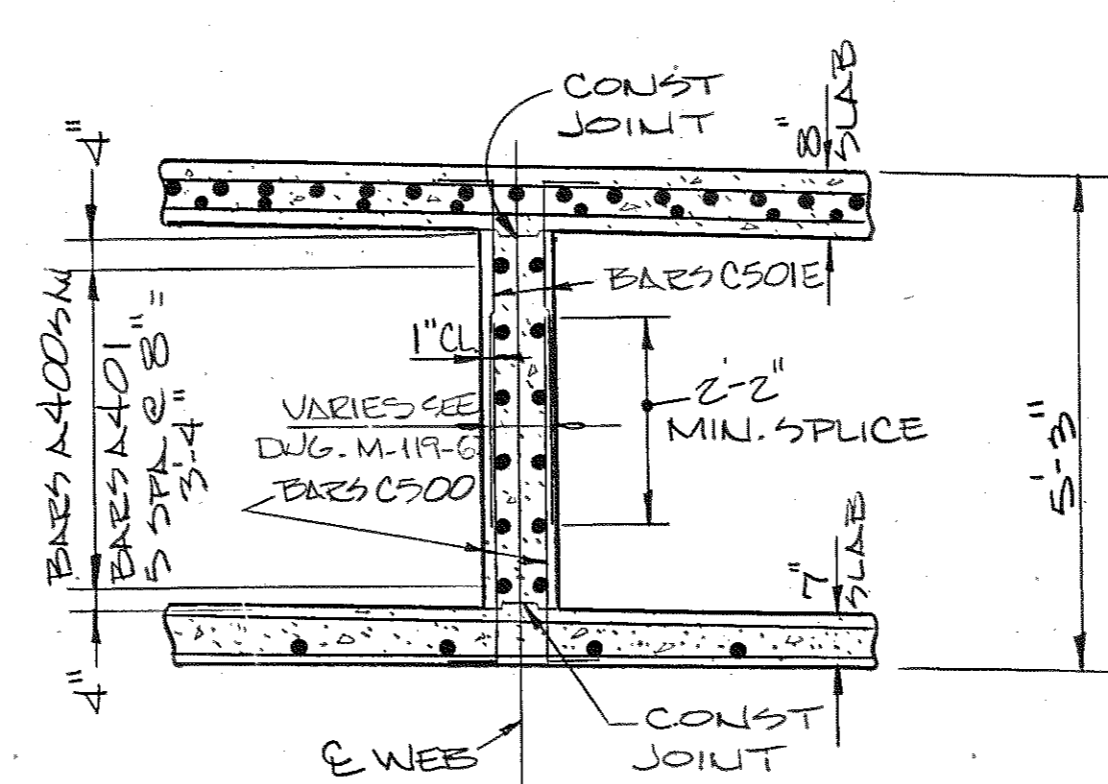


NOTE: THIS PORTION OF SIDEWALK & RAIL SHALL NOT BE POURED UNTIL SUPERSTRUCTURE IS COMPLETE & FALSE-WORK REMOVED.



EXTERIOR WEB DETAIL

TYPICAL CROSS SECTION (LOOKING FORWARD ON SURVEY)



INTERIOR WEB DETAIL

★ DENOTES: CELL WHICH WAS LINE 15 TO BE LOCATED

ESTIMATED QUANTITIES

CLASS 'A' CONCRETE (BRIDGE DECK)	CLASS 'X' CONCRETE C.Y.	REINFORCING STEEL LBS.	EPOXY COATED REINFORCING STEEL LBS.
746.0	1,335.0	336,210	541,189

DESIGNED BY J. PRINCE DATE 11-82
 DRAWN BY J.A. HILL DATE 11-82
 SUPERVISED BY FIELDS & SMITH DATE 11-82
 CHECKED BY J. PRINCE DATE 1-83

FOR BAR DESIGNATIONS AND FURTHER DETAILS SEE DWG. NO. M-119-6 THRU M-119-10.

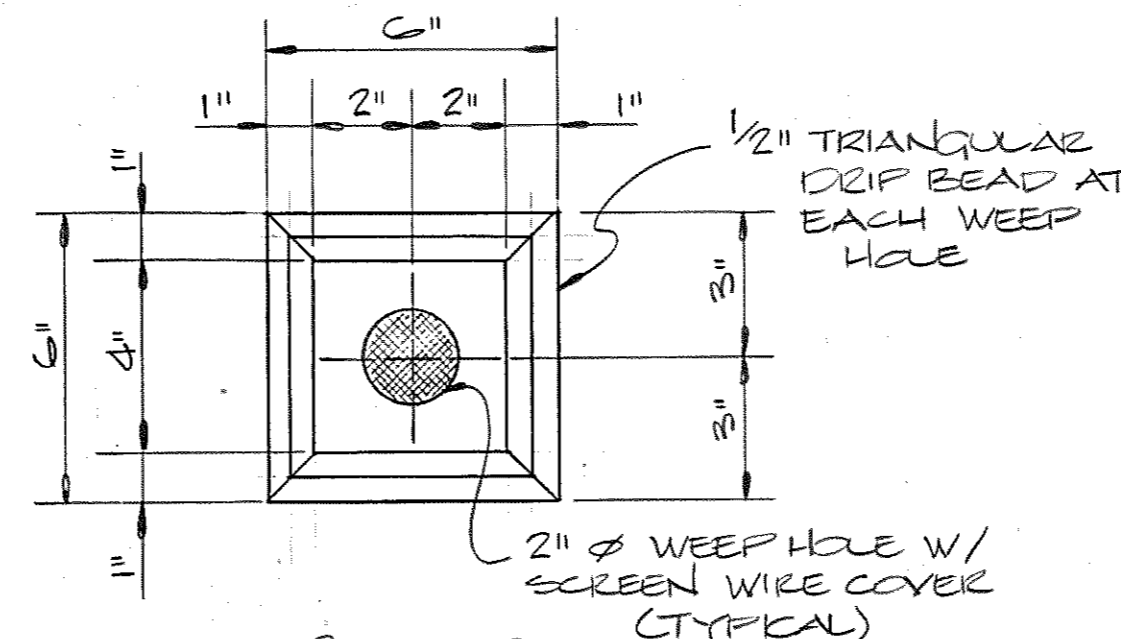
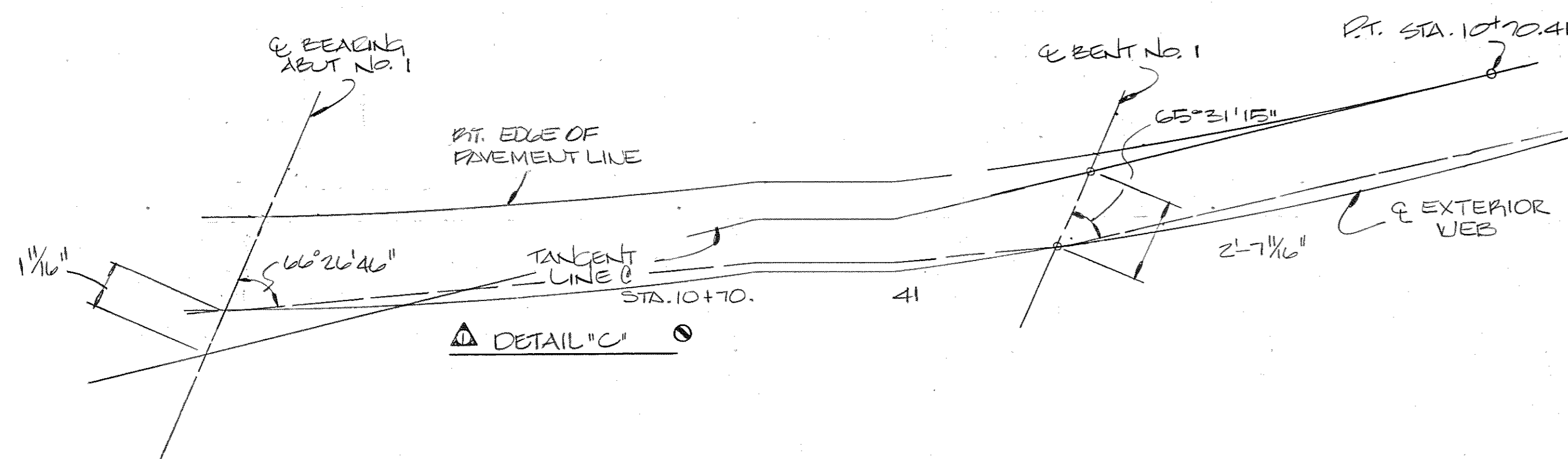
CORRECT *Colton L. Lovell*
 ENGINEER OF STRUCTURES
 APPROVED *Louis Evans*
 DIRECTOR OF HIGHWAYS

M-119-4

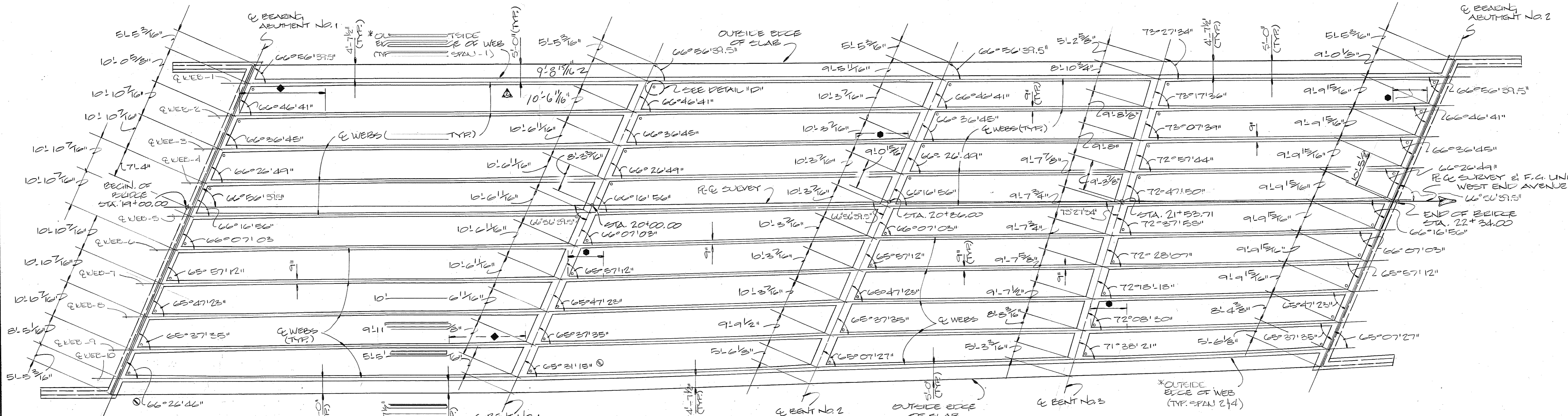
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 SUPERSTRUCTURE
 WEST END AVENUE OVER
 INTERSTATE 440 & RAMP F-H
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

PROJECT NO.	YEAR	SHEET NO.
1-440.1 (E) 206	1983	

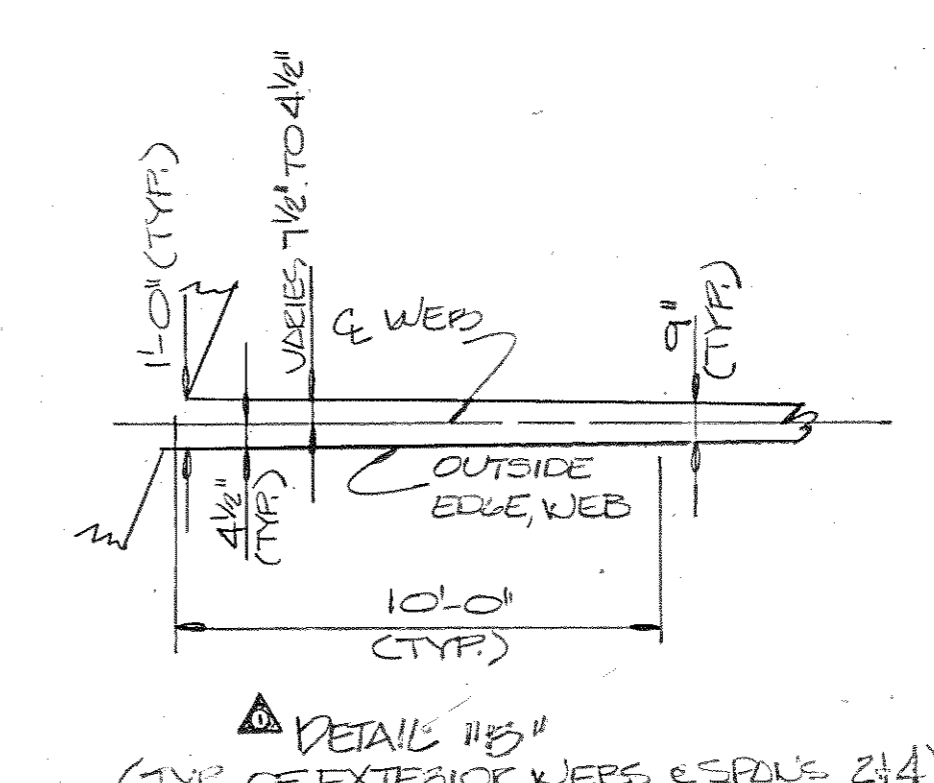
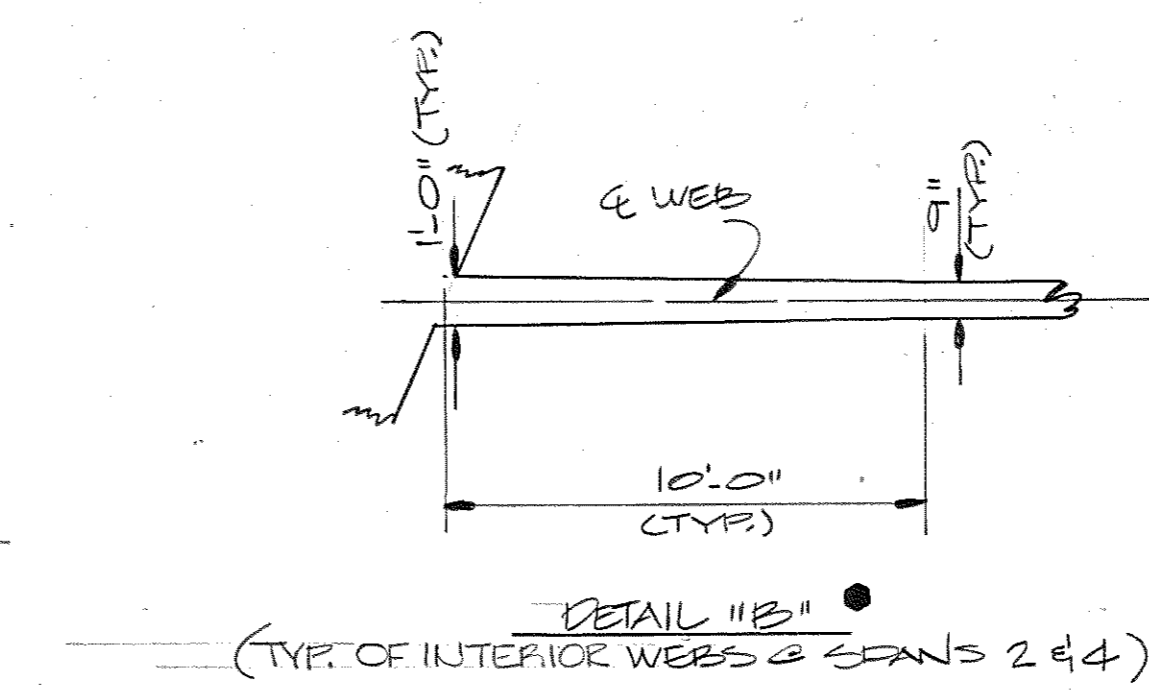
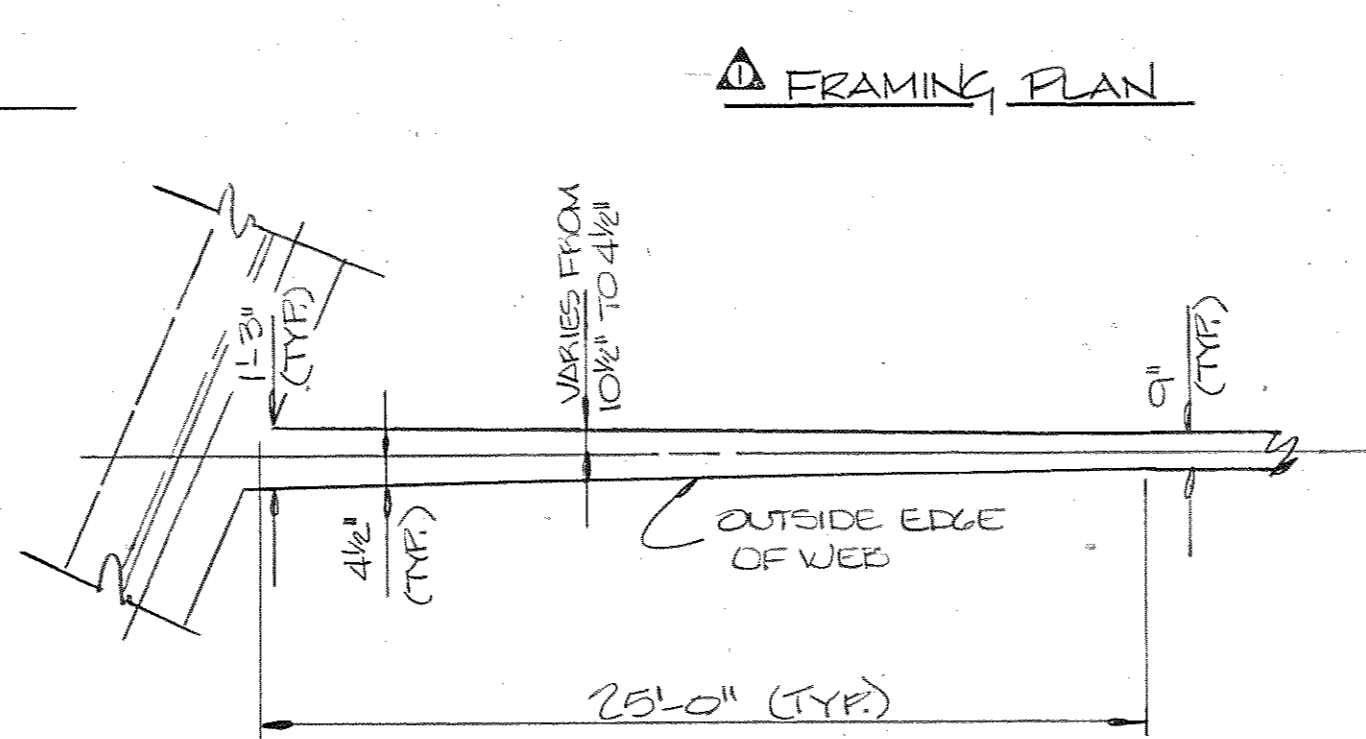
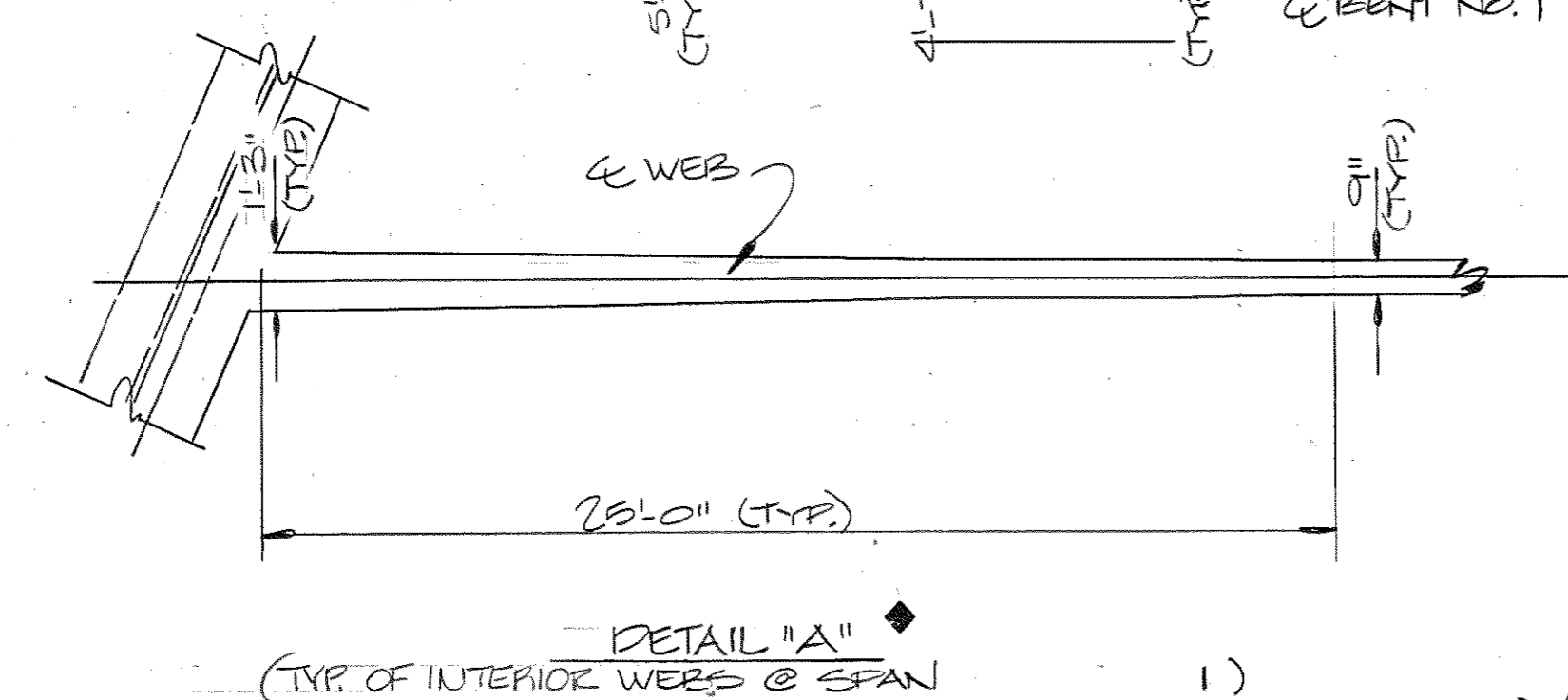
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
2	2-8-83	JHP	(GEN. REV.)
3	3-6-84	JHP	FRAMING PLAN



DETAIL "D"
 (NOTE: 2" WEEP HOLES WITH SCREEN WIRE COVER REQUIRED AT LOW POINT OF EACH CELL)



- PENOTES: SEE DETAIL "A".
- ◆ PENOTES: SEE DETAIL "B".



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 SUPERSTRUCTURE DETAILS
 WEST END AVENUE OVER
 INTERSTATE 440 AND
 RAMP "F-1"
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

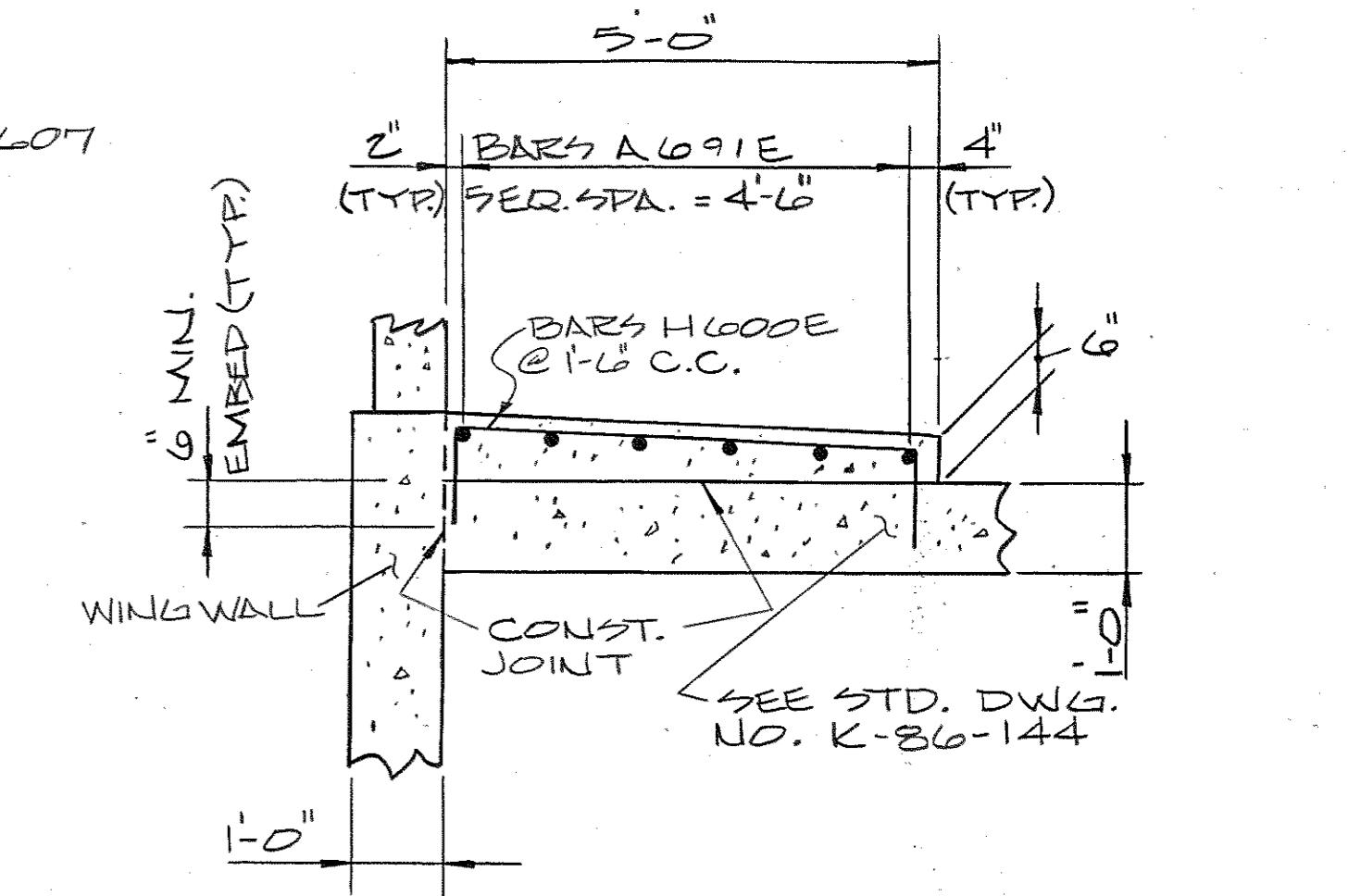
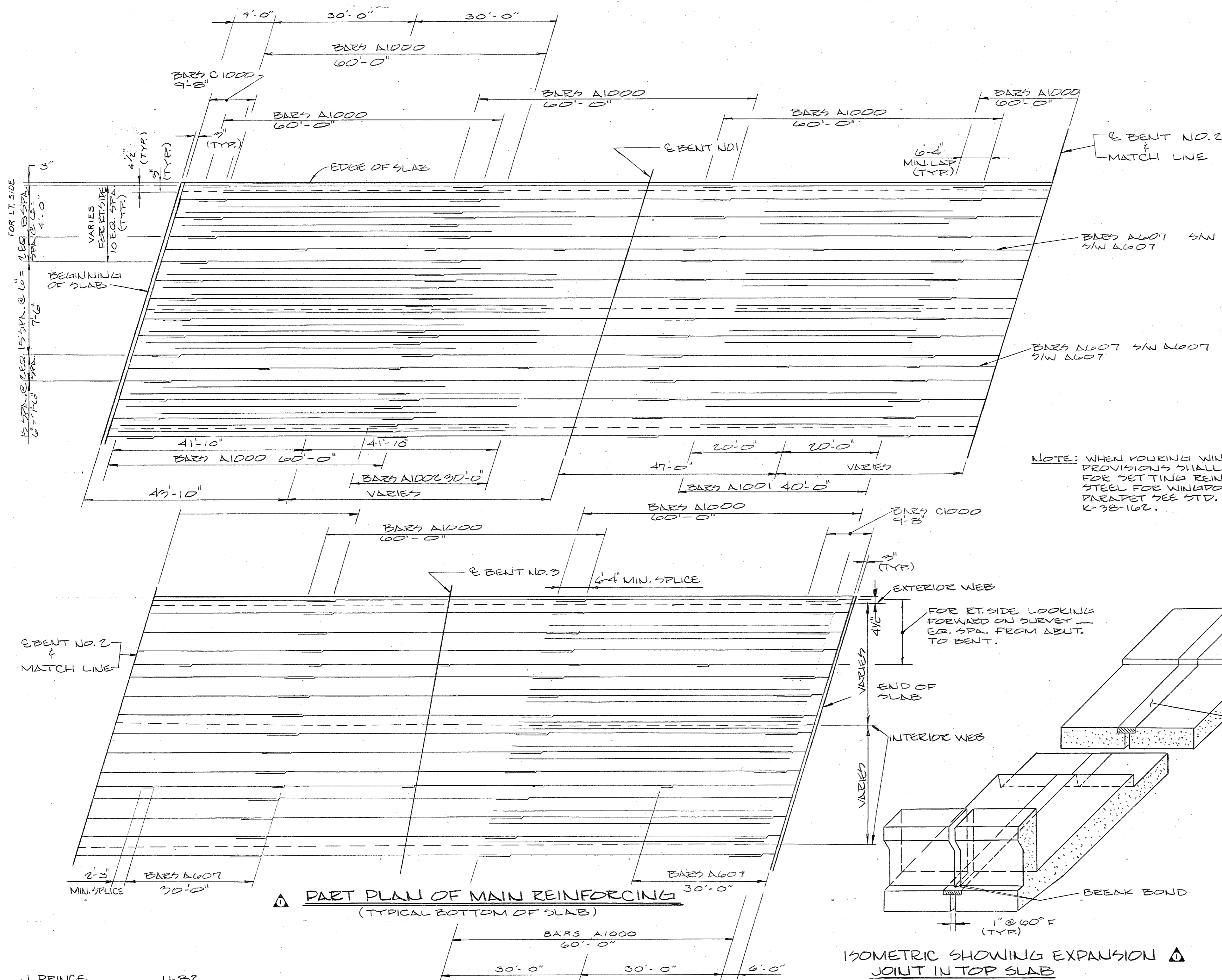
DESIGNED BY J.E. PRINCE DATE 11-81
 DRAWN BY DONNA ALLEN DATE 11/82
 SUPERVISED BY PETER A. SMITH DATE 11/82
 CHECKED BY J. PRINCE DATE 1-83

CORRECT *William L. Lovell*
 ENGINEER OF STRUCTURES
 APPROVED *Louis P. ...*
 DIRECTOR OF HIGHWAYS

M-119.5

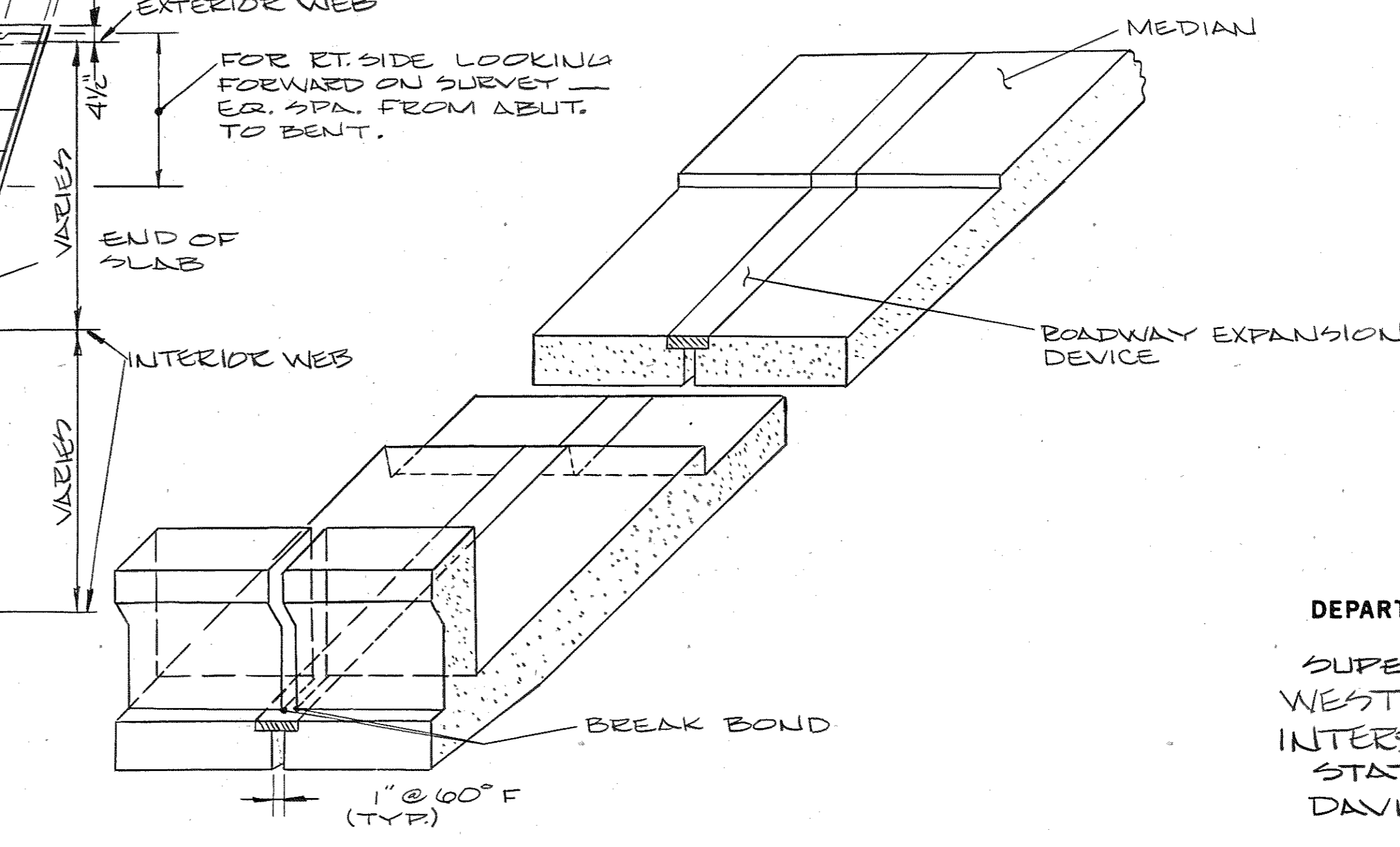
PROJECT NO.	YEAR	SHEET NO.
1004.211.44	1983	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-8-83	JHP	GENERAL REVISION



NOTE: WHEN POURING WINGWALLS PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR WINGPOST AND PARAPET SEE STD. DWG. NO. K-38-162.

PART SECTION THRU PAVEMENT @ BRIDGE ENDS
(SHOWING REINFORCING IN SIDEWALK & PAVEMENT @ BRIDGE ENDS)



ISOMETRIC SHOWING EXPANSION JOINT IN TOP SLAB

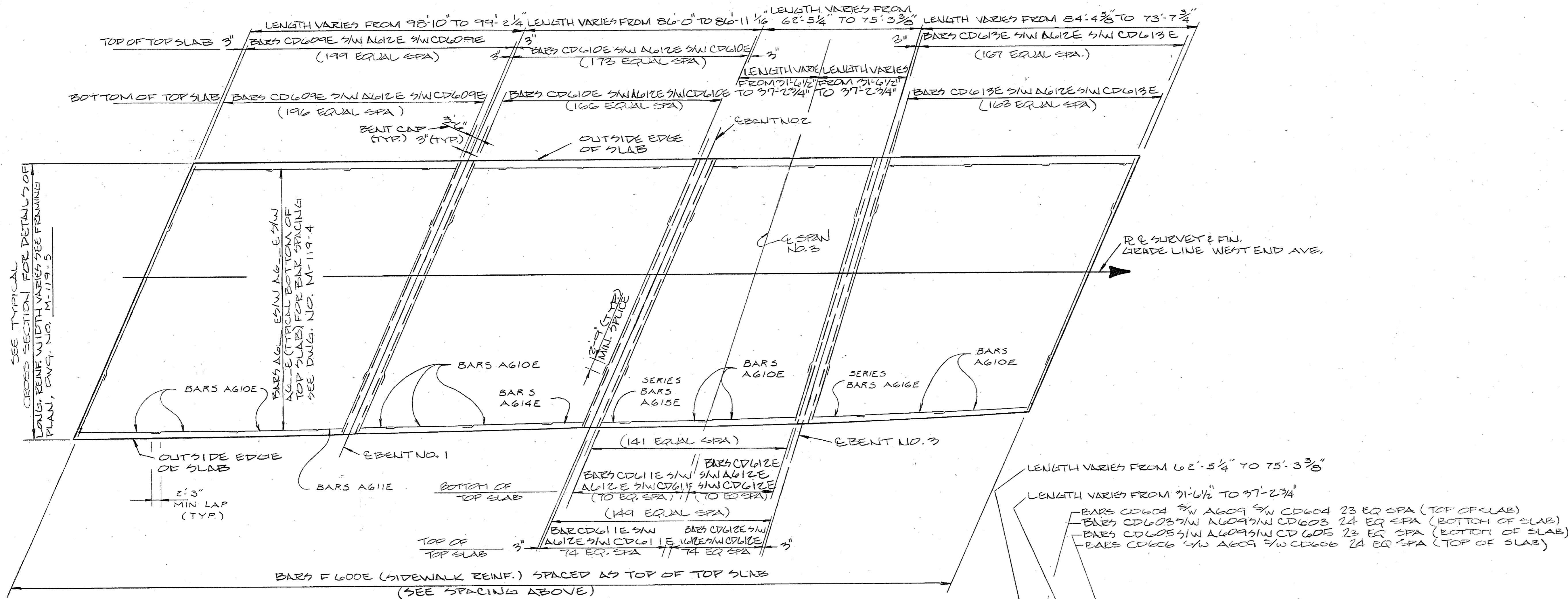
PART PLAN OF MAIN REINFORCING
(TYPICAL BOTTOM OF SLAB)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
SUPERSTRUCTURE DETAIL
WEST END AVENUE OVER
INTERSTATE 440 RAMP "F-H"
STATION 169+01.23
DAVIDSON COUNTY
1983

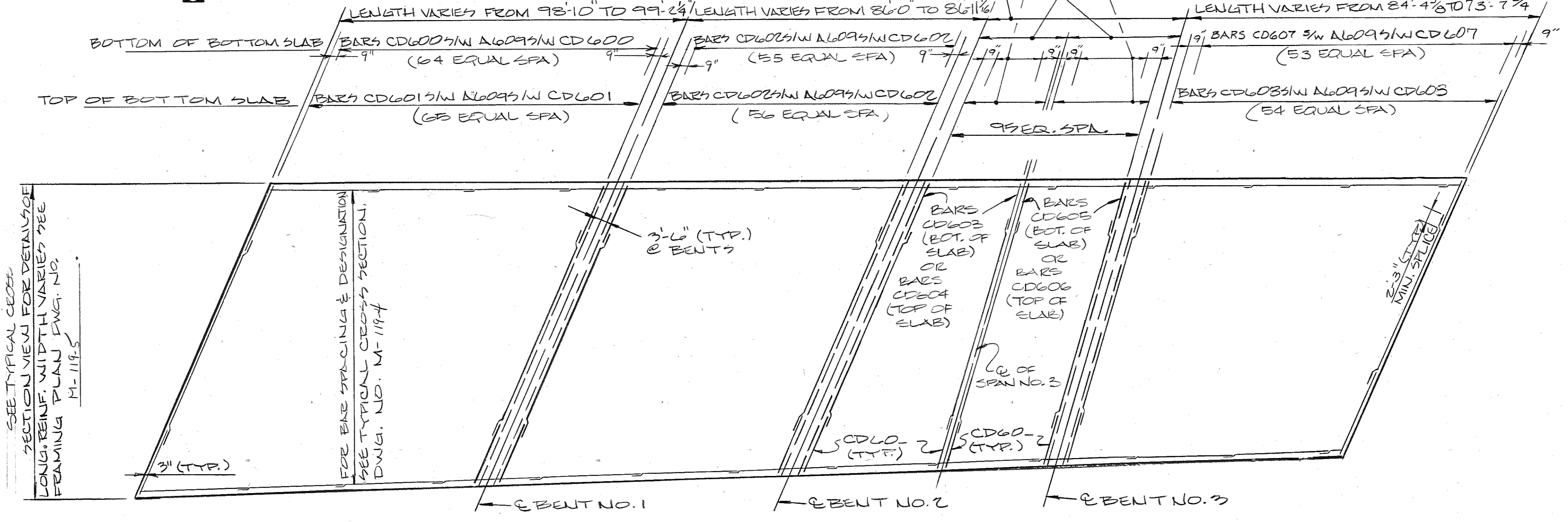
DESIGNED BY J. PRINCE DATE 11-82
DRAWN BY J.A. HILL DATE 11-82
SUPERVISED BY FIELD'S SMITH DATE 11-82
CHECKED BY J. PRINCE DATE 1-83

CORRECT *Colleen L. Lovell*
ENGINEER OF STRUCTURES
APPROVED *Lewis Evans*
DIRECTOR OF HIGHWAYS

PROJECT NO.	YEAR	SHEET NO.	
1904-3111-44	1983		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-8-83	JHP	GENERAL REVISION



△ **SLAB PLAN** (TYPICAL TOP SLAB)



△ **SLAB PLAN** (TYPICAL BOTTOM SLAB)

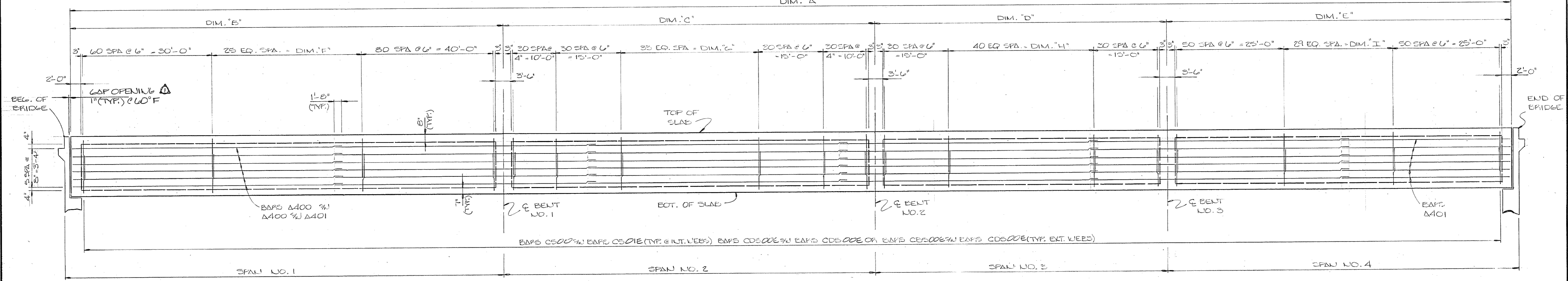
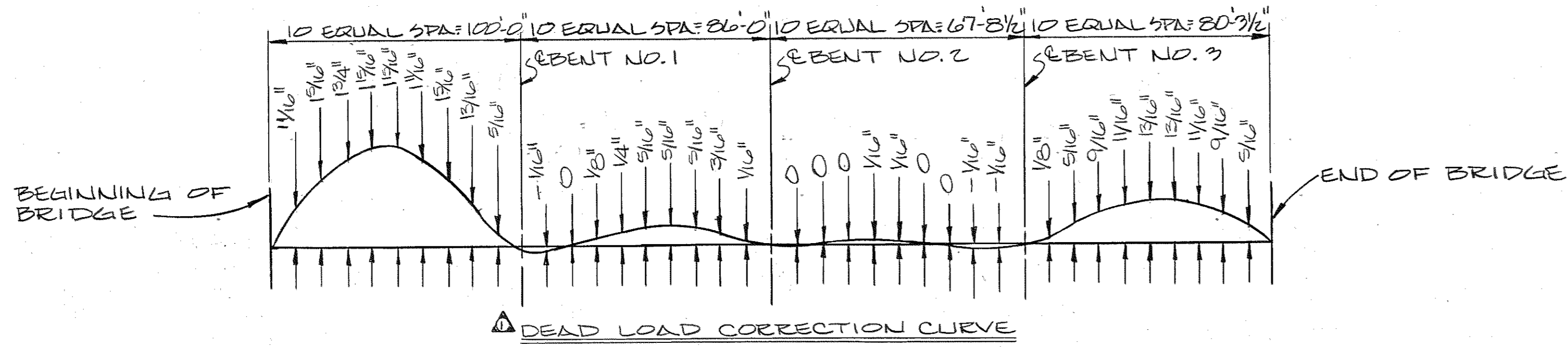
DESIGNED BY J. PRINCE DATE 11-82
 DRAWN BY J. HILL, JR. DATE 11-82
 SUPERVISED BY FIELDS & SMITH DATE 11-82
 CHECKED BY J. PRINCE DATE 1-83

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 SUPERSTRUCTURE DETAIL
 WEST END AVENUE OVER
 INTERSTATE 440 & RAMP "F-H"
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

CORRECT *Chelton L. Sorell*
 ENGINEER OF STRUCTURES
 APPROVED *Louis Evans*
 DIRECTOR OF HIGHWAYS
 M-119-B

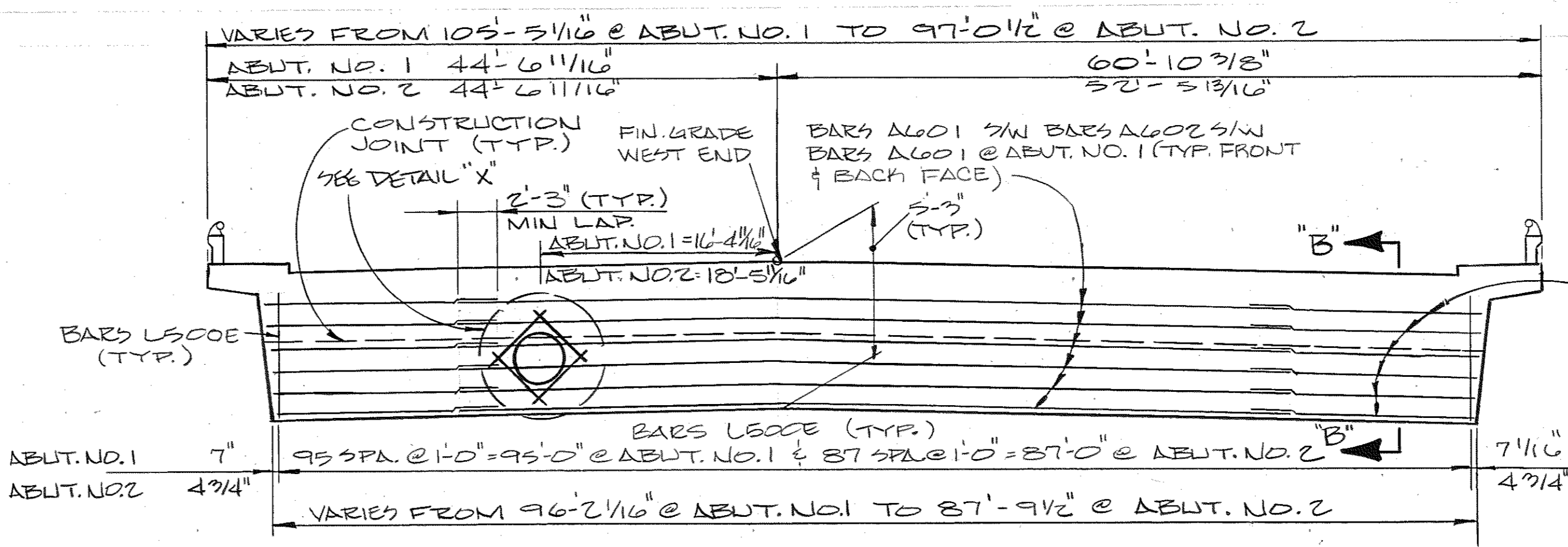
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-88	JWF	GENERAL REV.
		</tr	

NOTE: THIS CURVE IS FOR DEAD LOAD CAMBER ONLY AND SHOULD BE INCREASED BY THE AMOUNT OF ANTICIPATED TAKE UP IN THE FALSEWORK.



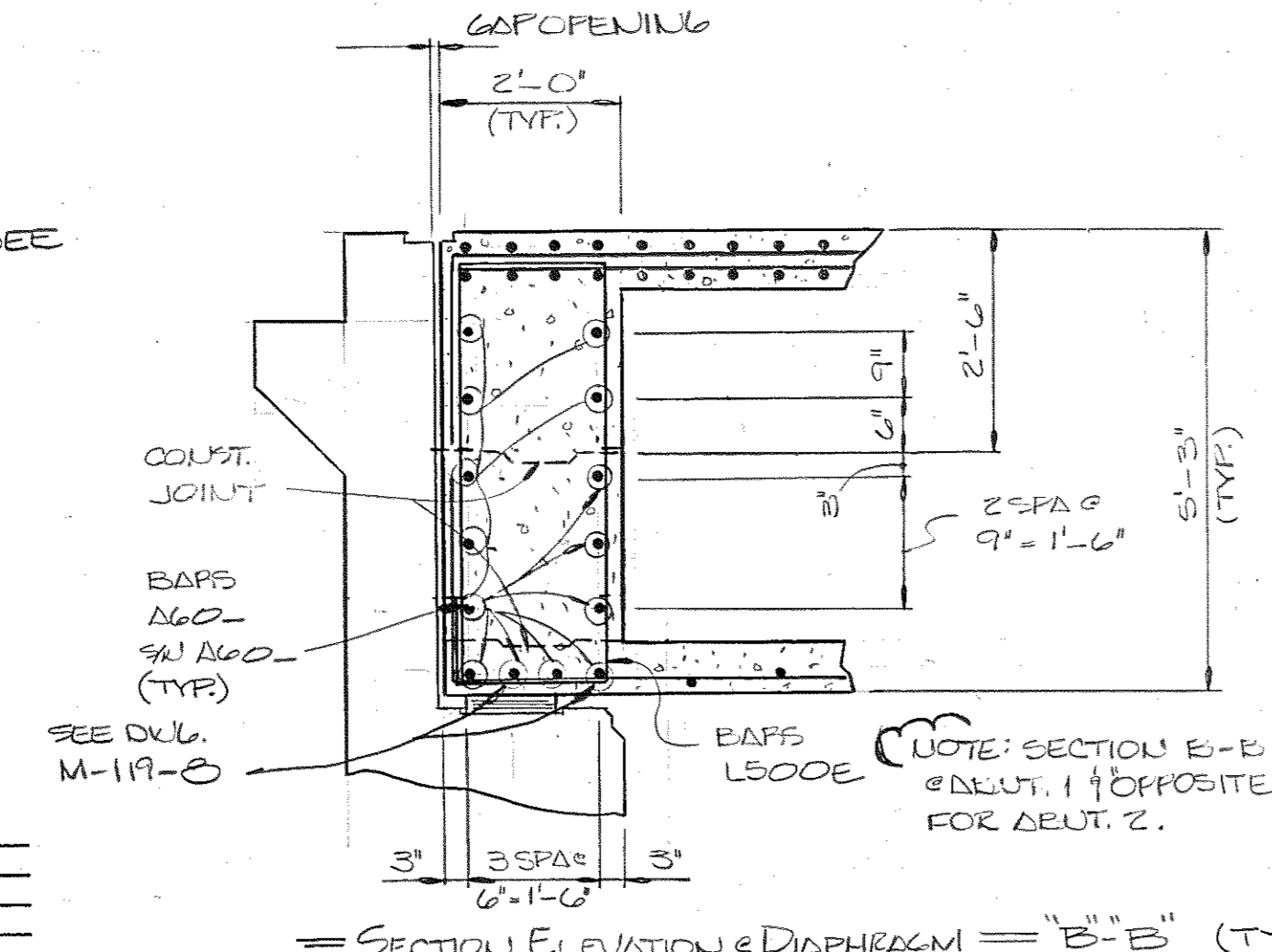
ELEVATION

G WEB NO.	TABLE OF DIMENSIONS								
	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	DIM. H	DIM. I
1	331'-7 1/8"	98'-10"	85'-11 7/8"	63'-0 1/2"	85'-8 7/8"	24'-7"	31'-11 7/8"	29'-0 3/4"	29'-5 1/8"
2	332'-0 3/8"	98'-11 1/2"	86'-1 1/8"	64'-3 1/2"	82'-9"	24'-8 1/2"	32'-1 1/2"	30'-3 1/2"	28'-6"
3	332'-5 3/8"	99'-0 1/2"	86'-2 7/8"	65'-6 3/8"	81'-7 7/8"	24'-9 3/4"	32'-2 1/4"	31'-0 3/8"	27'-4 7/8"
4	332'-10 1/2"	99'-2 3/8"	86'-3 3/4"	66'-9 3/4"	80'-6 1/2"	24'-11 3/8"	32'-3 3/4"	32'-9 3/4"	26'-3 1/2"
5	333'-3 1/2"	99'-3 3/8"	86'-5 1/4"	68'-1 1/2"	79'-5 1/2"	25'-0 3/8"	32'-5 1/2"	34'-1 1/2"	25'-2 1/2"
6	333'-8 3/8"	99'-5 3/8"	86'-6 3/8"	69'-4 1/2"	78'-4 3/8"	25'-2 3/8"	32'-6 3/8"	35'-4 1/2"	24'-1 3/8"
7	334'-1 1/2"	99'-6 3/8"	86'-7 1/2"	70'-7 1/2"	77'-3 1/2"	25'-3 3/8"	32'-7 1/2"	36'-7 1/2"	23'-0 3/4"
8	334'-6 3/8"	99'-8 3/8"	86'-9"	71'-11 1/2"	76'-2"	25'-5 1/2"	32'-9"	37'-11 1/2"	21'-11"
9	335'-0"	99'-9 3/8"	86'-10 3/8"	73'-2 1/2"	75'-0 3/4"	25'-6 3/8"	32'-10 3/8"	39'-2 3/4"	20'-9 3/4"
10	335'-0 1/2"	99'-2 3/8"	86'-11 1/4"	74'-7 1/2"	74'-3 3/4"	24'-11 3/8"	32'-11 1/4"	40'-7 1/2"	20'-0 3/4"

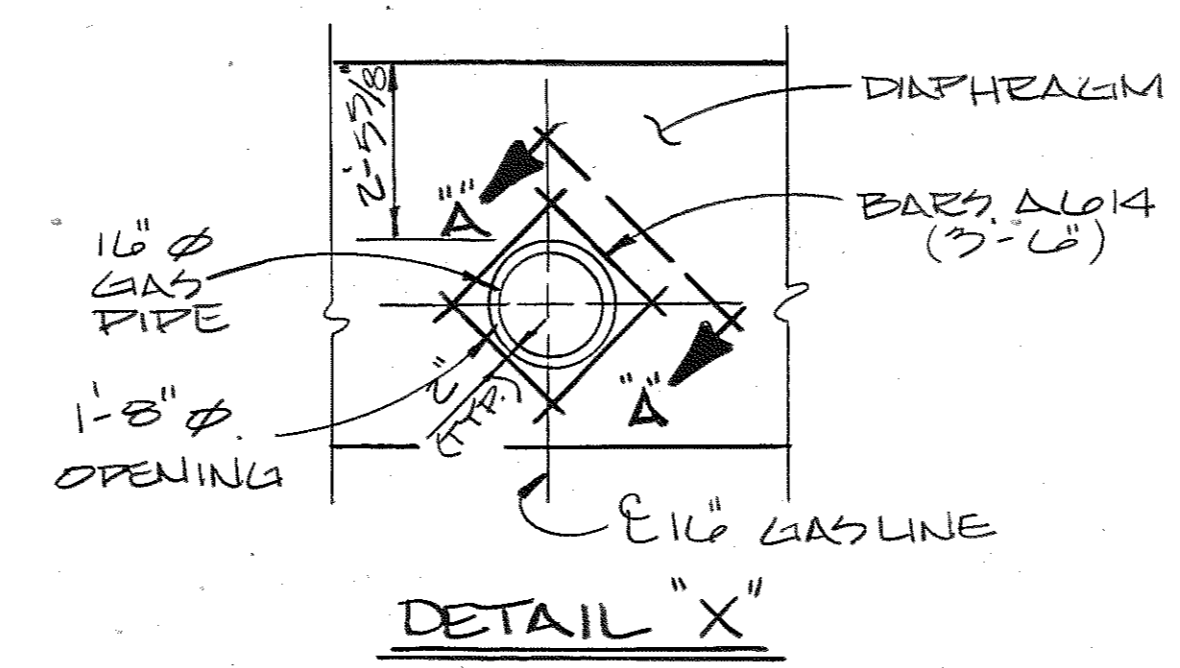


END DIAPHRAGM ELEVATION (TYPICAL @ ABUTMENTS NO. 1 & 2 (LOOKING FORWARD ON SURVEY))

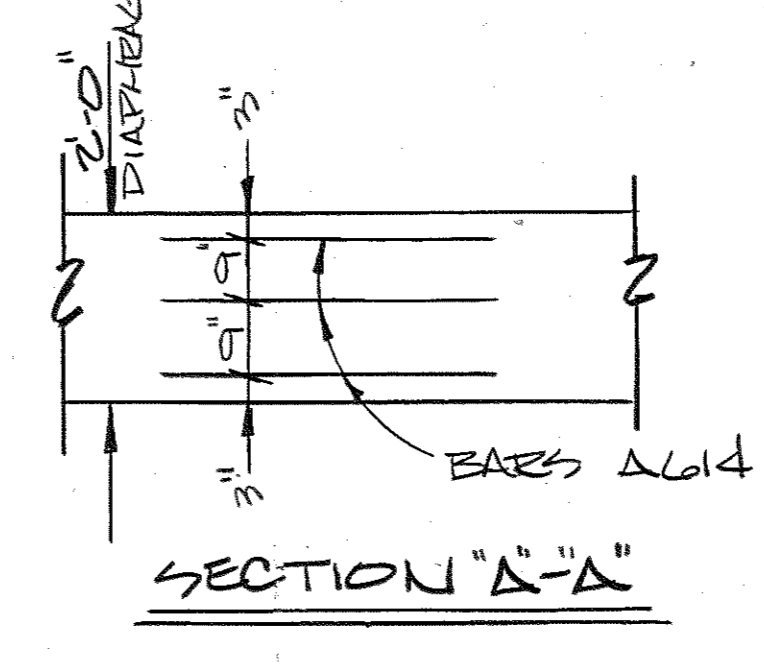
* FOR LOCATION OF G WEB, SEE DUG. M-119-S.



SECTION ELEVATION & DIAPHRAGM "B-B" (TYP.)



DETAIL "X"



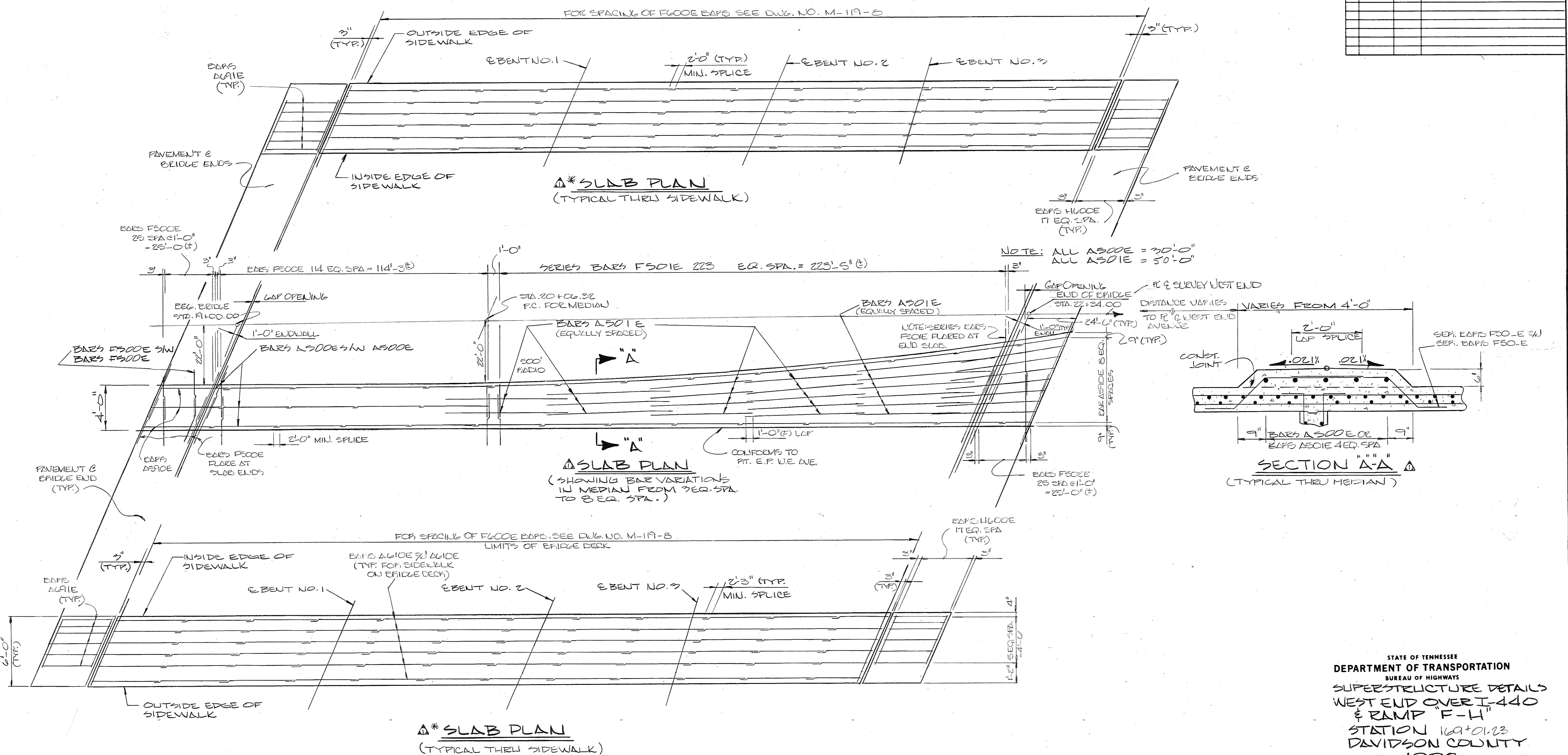
SECTION "A-A"

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 SUPERSTRUCTURE DETAILS
 WEST END AVENUE OVER INTERSTATE-440
 AND RAMP "F-11"
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

DESIGNED BY J. PRINCE DATE 11-82
 DRAWN BY M. MOODY DATE 11-82
 SUPERVISED BY J. FIELDS & A.M. SMITH DATE 11-82
 CHECKED BY J. PRINCE DATE 1-83

CORRECT *William L. Foucalt*
 ENGINEER OF STRUCTURES
 APPROVED *Louis J. Fournier*
 DIRECTOR OF HIGHWAYS

CONST. NO. 1974-2111-44			
PROJECT NO.	YEAR	SHEET NO.	
1440-A (3)206	1983		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-8-83	JHP	CELL REV.



NOTE: ALL A500E = 30'-0"
ALL A501E = 50'-0"

* DELOTES: FOR SECTION VIEW OF SIDEWALK, SEE D.G. NO. M-119-4 FOR BRIDGE SLAB SECTION AND D.G. NO. M-119-7 FOR PAVEMENT & BRIDGE END SECTION.

DESIGNED BY J. PRINCE DATE 12-82
DRAWN BY J.A. HILL JR DATE 12-82
SUPERVISED BY FIELDS & SMITH DATE 12-82
CHECKED BY J. PRINCE DATE 1-83

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
SUPERSTRUCTURE DETAILS
WEST END OVER I-440
& RAMP F-14"
STATION 169+01.23
DAVIDSON COUNTY
1983

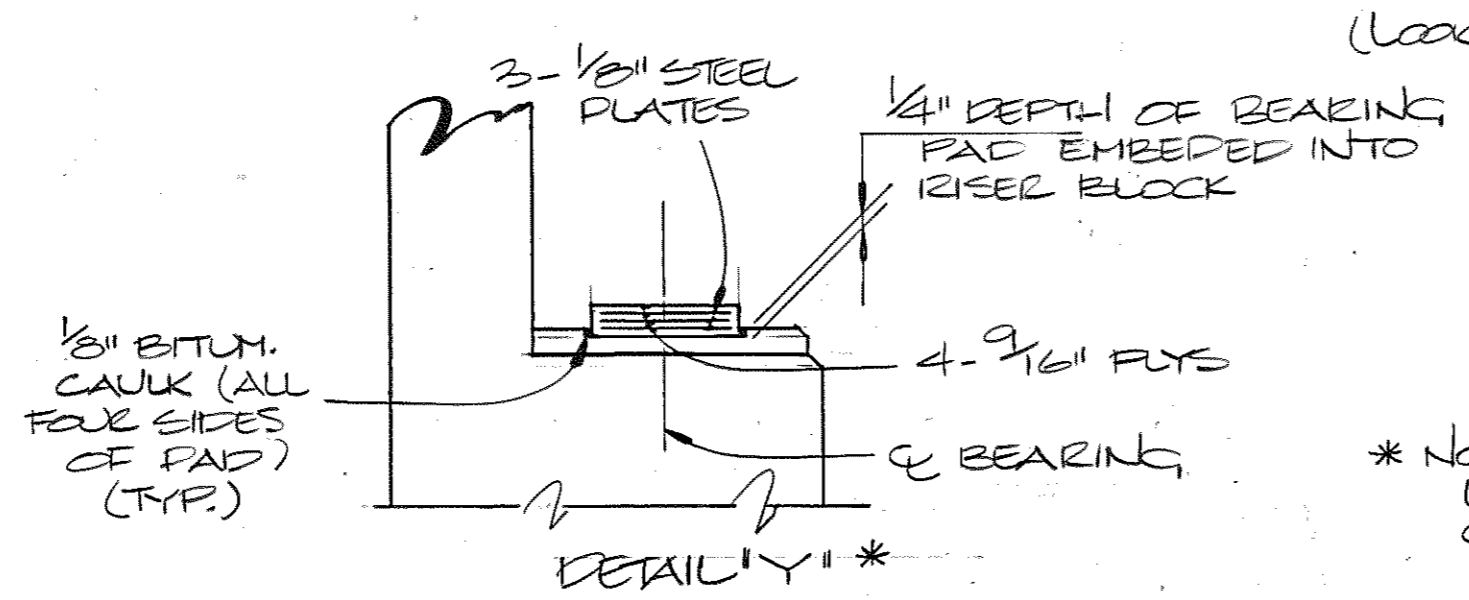
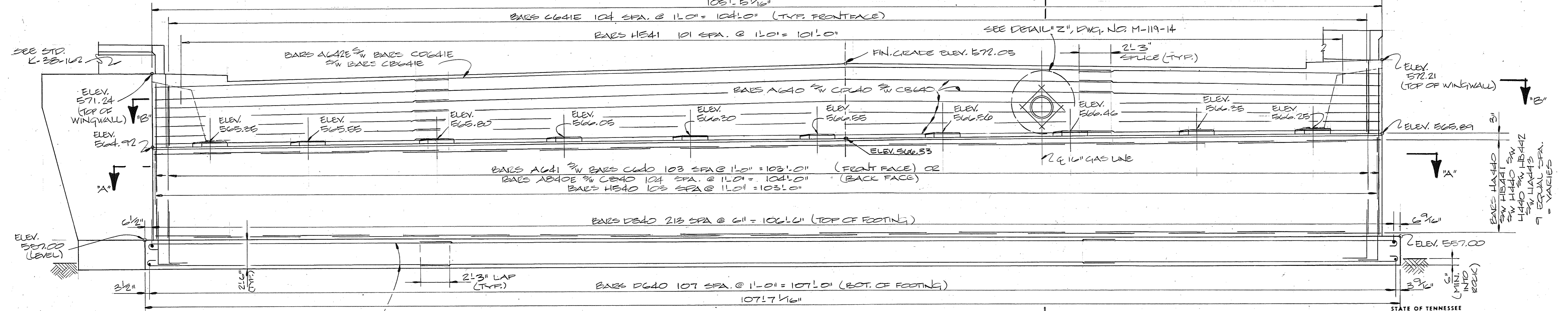
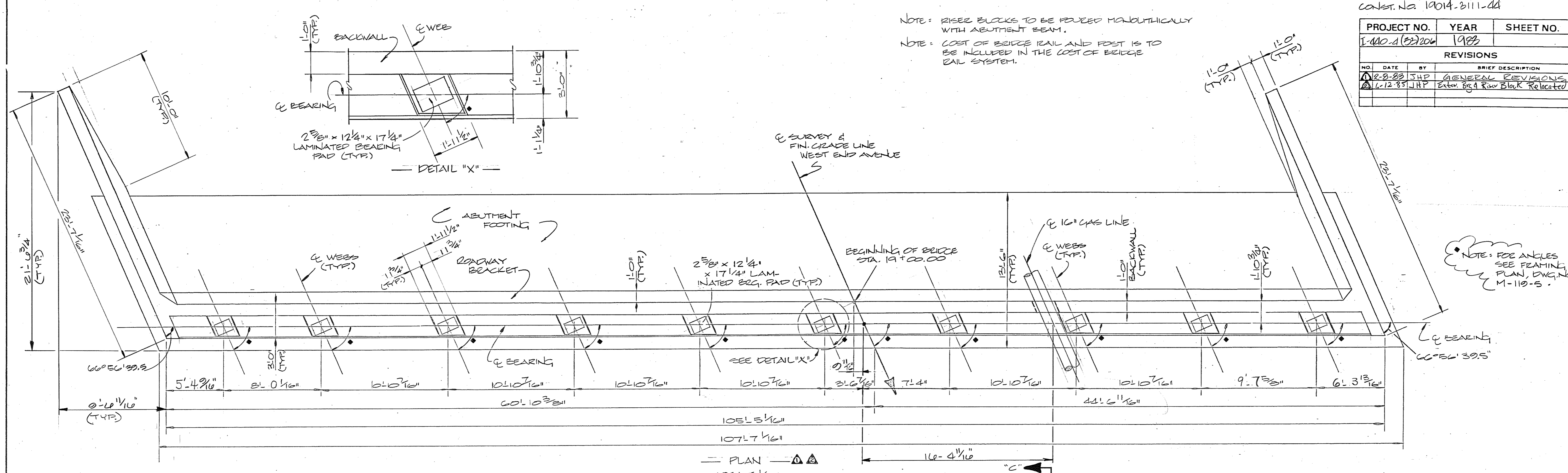
CORRECT *Colleen L. Lovell*
ENGINEER OF STRUCTURES
APPROVED *Louis Evans*
DIRECTOR OF HIGHWAYS

M-119-10

PROJECT NO.	YEAR	SHEET NO.
I-40-1 (2) 206	1983	

REVISIONS		
NO.	DATE	BRIEF DESCRIPTION
1	2-8-83 JHP	GENERAL REVISIONS
2	1-12-85 JHP	Extm. Big Riv. Block Relocated

NOTE: RISER BLOCKS TO BE PILED MANUALLY WITH ABUTMENT BEAM.
 NOTE: COST OF BRIDGE RAIL AND POST IS TO BE INCLUDED IN THE COST OF BRIDGE RAIL SYSTEM.



* NOTE: 2 3/8\"/>

ESTIMATED QUANTITIES		
CLASS "A" CONCRETE C.Y.	REINFORCING STEEL LBS.	EPOXY-COATED REINF. STEEL LBS.
294.6	38,139	5,720

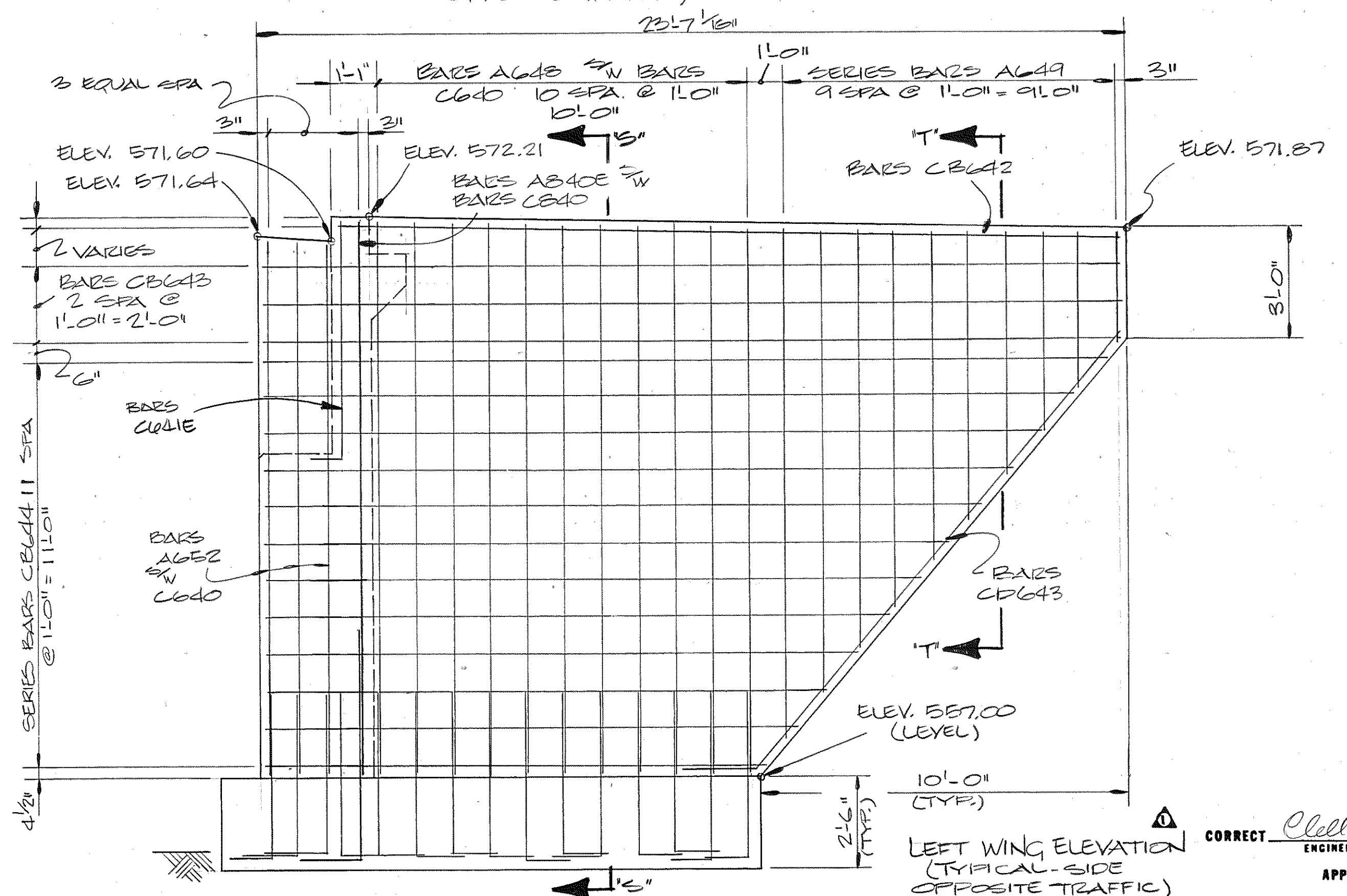
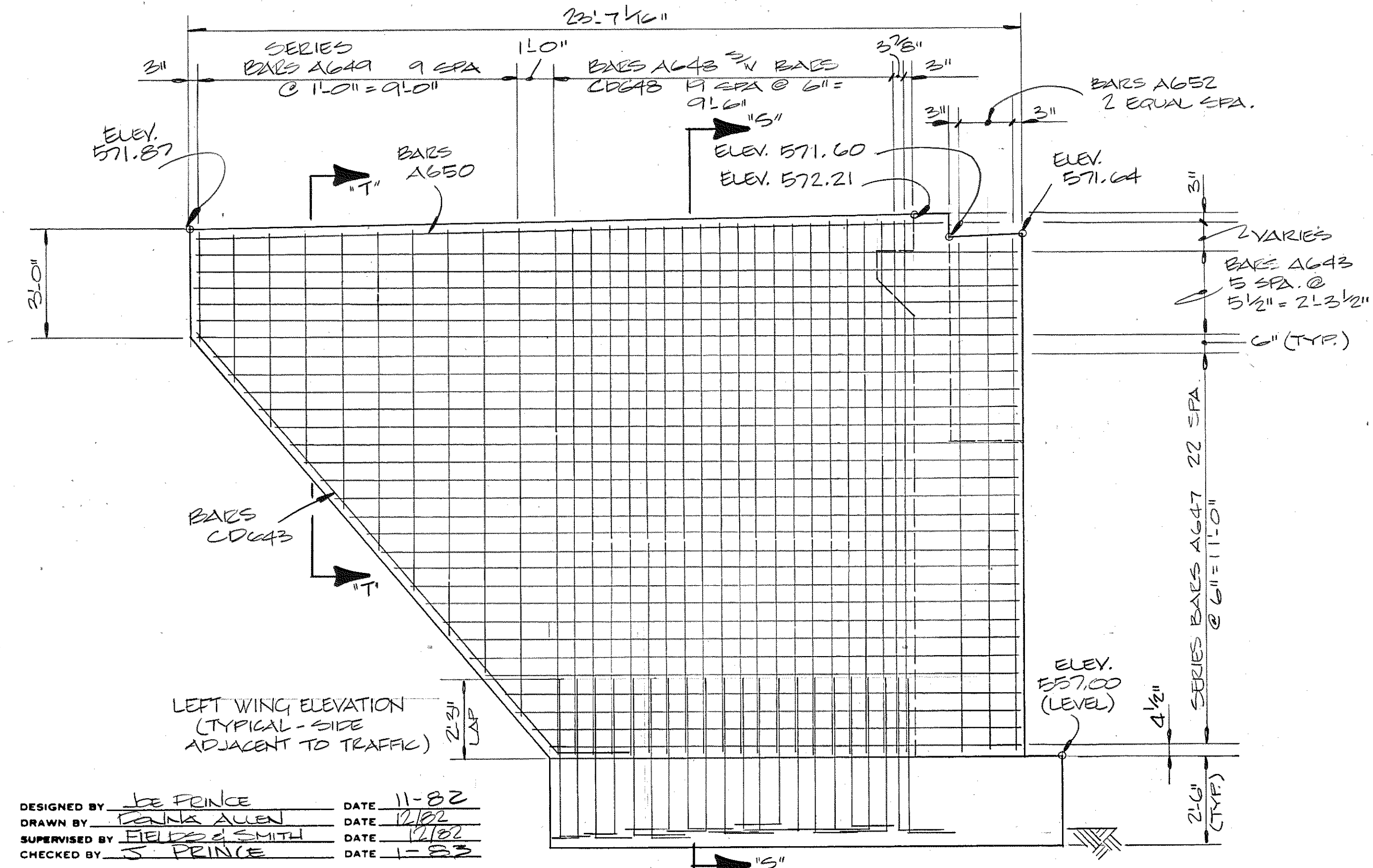
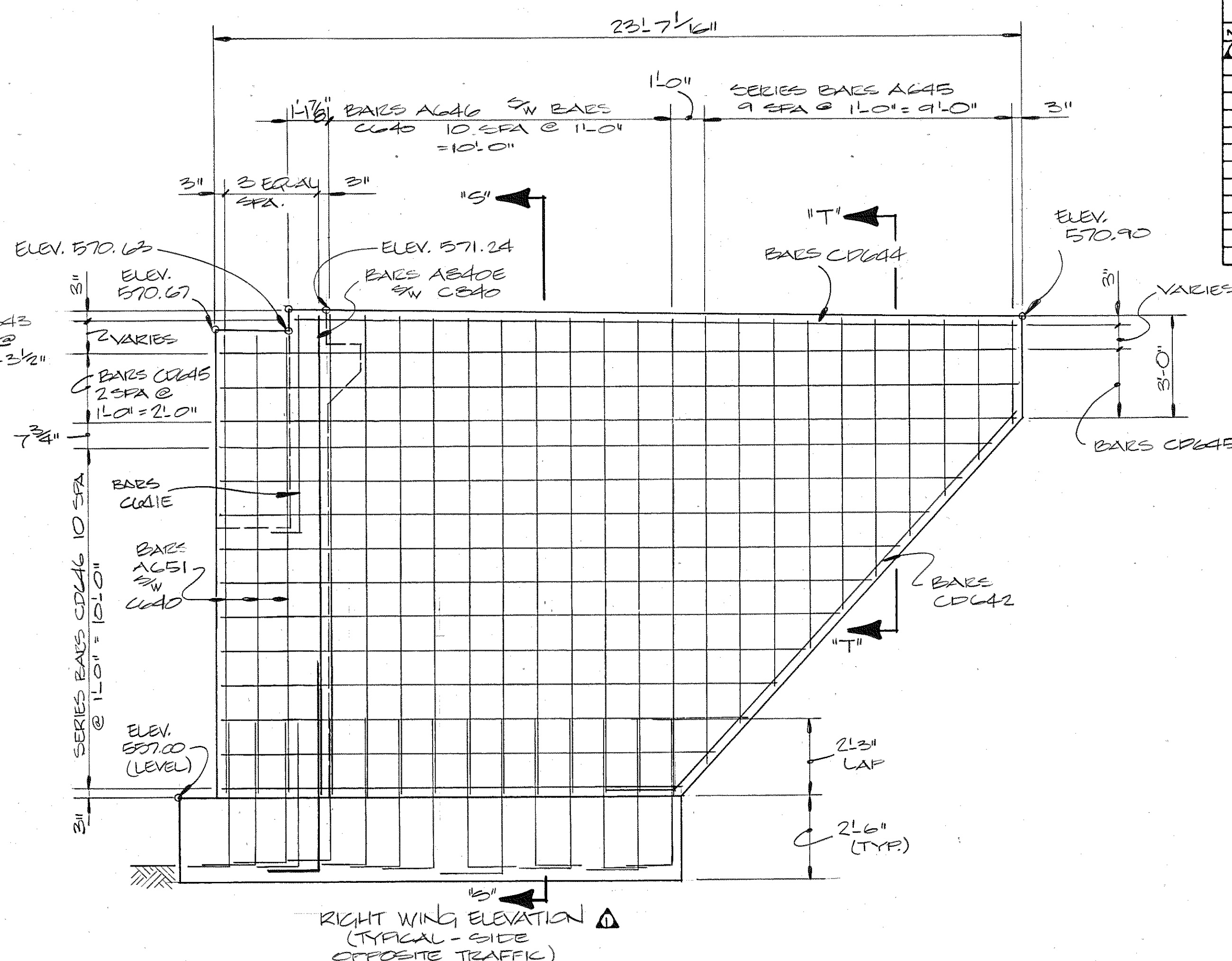
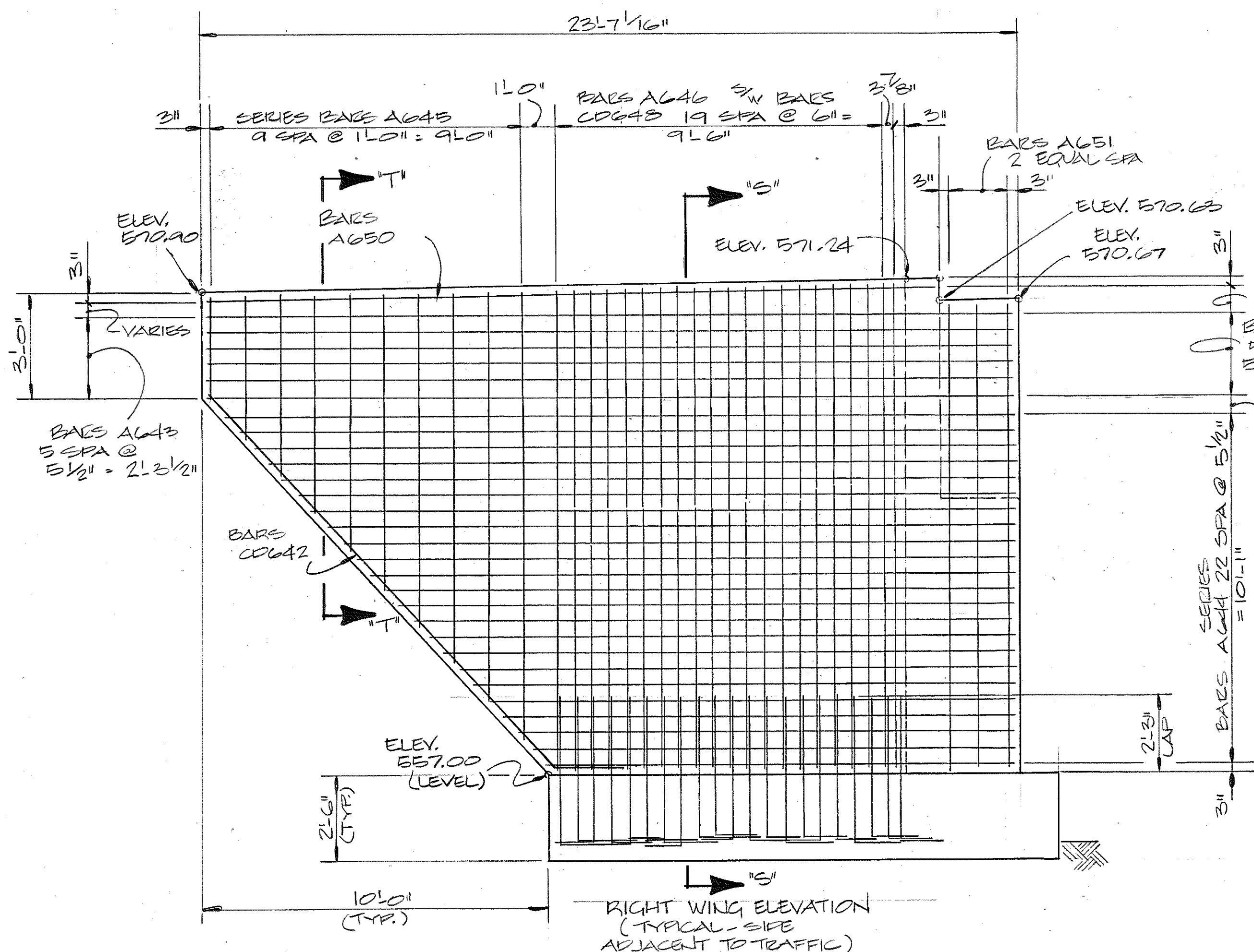
DESIGNED BY: JOE FENCE DATE: 11-82
 DRAWN BY: D. ALLEN DATE: 12-82
 SUPERVISED BY: FIELDS & SMITH DATE: 12-82
 CHECKED BY: J. PRINCE DATE: 1-83

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 ABUTMENT NO. 1
 WEST END AVENUE OVER
 INTERSTATE 40 &
 RAMP "F-H"
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

CORRECT: *Clifton L. Liscall*
 ENGINEER OF STRUCTURES
 APPROVED: *Lewis Brown*
 DIRECTOR OF HIGHWAYS

PROJECT NO.	YEAR	SHEET NO.
1A014(62)104	1983	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	11-83	JHR	GENERAL REVISIONS



DESIGNED BY J.E. PRINCE DATE 11-82
 DRAWN BY KEVIN ALLEN DATE 11/82
 SUPERVISED BY FIELDS & SMITH DATE 11/82
 CHECKED BY J. PRINCE DATE 1-83

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 ABUTMENT NO. 1 DETAILS
 WEST END AVENUE OVER
 INTERSTATE 440 &
 RAMP "F-H"
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

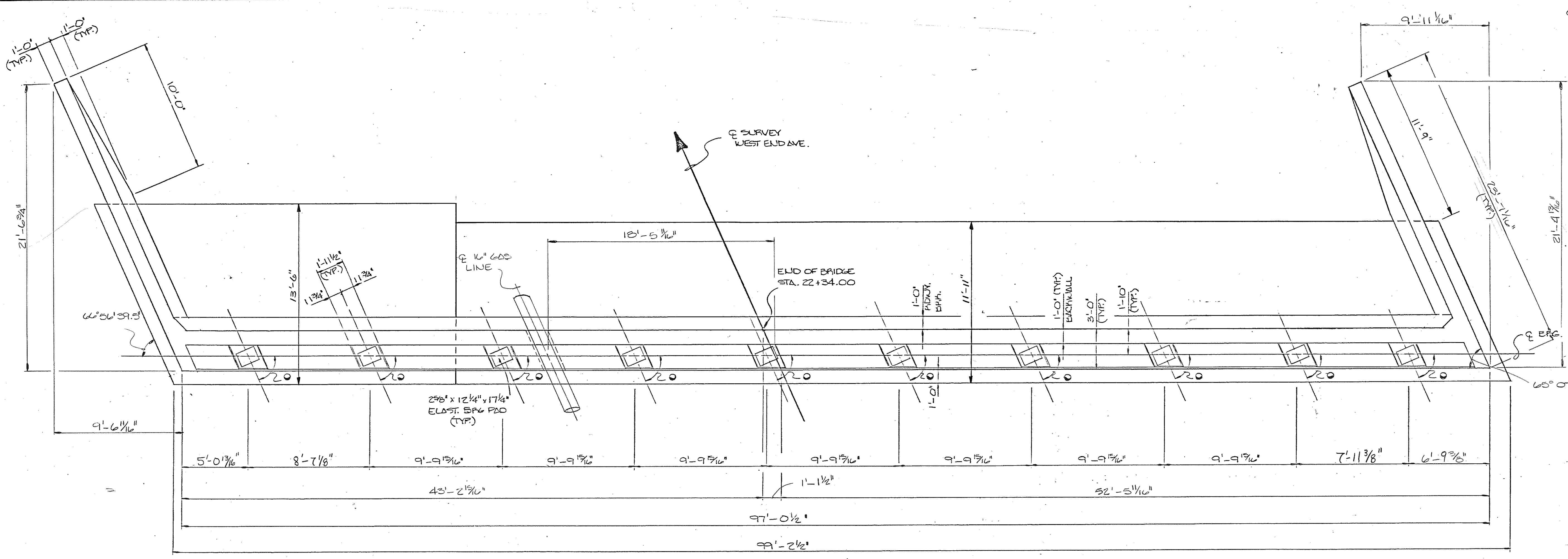
CORRECT *Clifton L. Lovall*
 ENGINEER OF STRUCTURES
 APPROVED *Lewis Evans*
 DIRECTOR OF HIGHWAYS

CAST. NO. 10014.3111-41

PROJECT NO.	YEAR	SHEET NO.
140-A(53)206	1983	

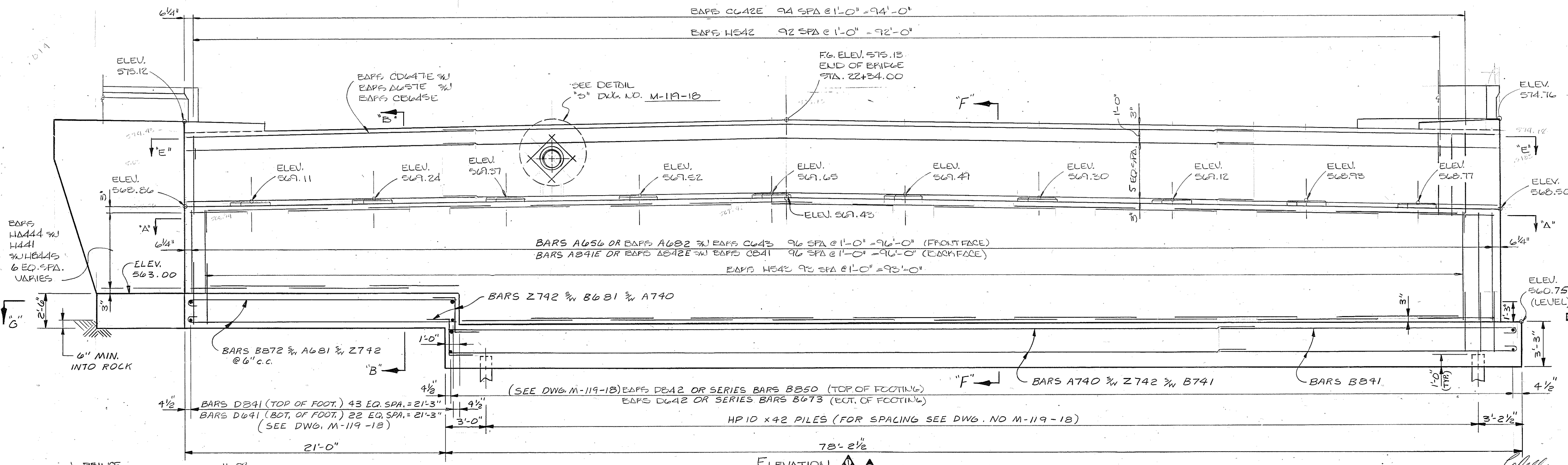
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	7-8-83	JHP	GEN. REV.
2	6-12-85	JHP	Extra Pile & Pier Block Relocated

NOTE: PIER BLOCKS TO BE POURED MONOLITHICALLY WITH ABUTMENT BEAM.
 NOTE: COST OF BRIDGE PAIL AND POST IS TO BE INCLUDED IN THE COST OF BRIDGE PAIL SYSTEM.



⊙ DENOTES: SEE FRAMING PLAN FOR ANGLES. DWG. M-119-5

PLAN (LOOKING FORWARD ON SURVEY)



ESTIMATED QUANTITIES

CLASS 1A CONCRETE CY.	REINF. STEEL LBS.	EPOXY-COATED STEEL LBS.	
ΔEUT. 2	272	35,470	5,083

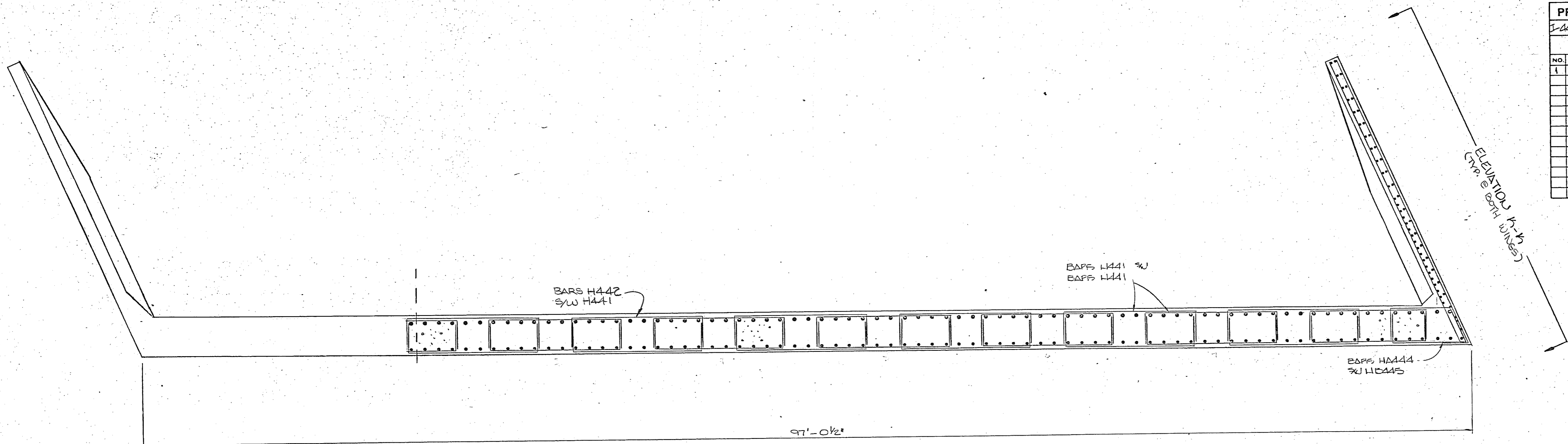
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 ABUTMENT NO. 2
 WEST END AVENUE OVER
 INTERSTATE 440
 PIER # "F" - "H"
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

DESIGNED BY J. PRINCE DATE 11-82
 DRAWN BY H. MOODY DATE 11-82
 SUPERVISED BY S. FIELDS & D. M. SMITH DATE 11-82
 CHECKED BY J. PRINCE DATE 1-82

CORRECT *Allen L. Louca*
 ENGINEER OF STRUCTURES
 APPROVED *Louis S. Evans*
 DIRECTOR OF HIGHWAYS

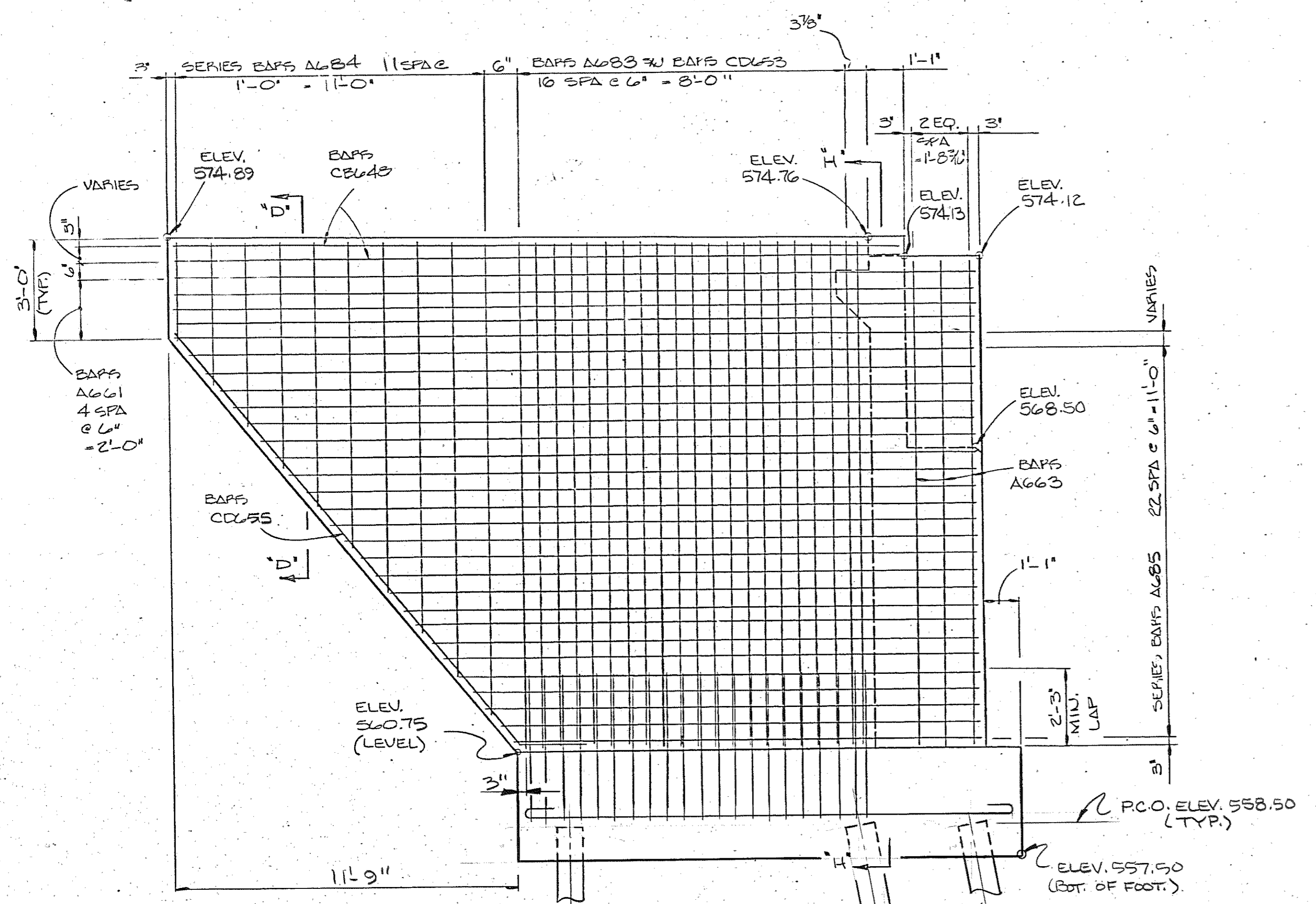
M-119-15

PROJECT NO.	YEAR	SHEET NO.	
1440-4(23)201	1983		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	7-25-83	JHP	DWG. ADDED

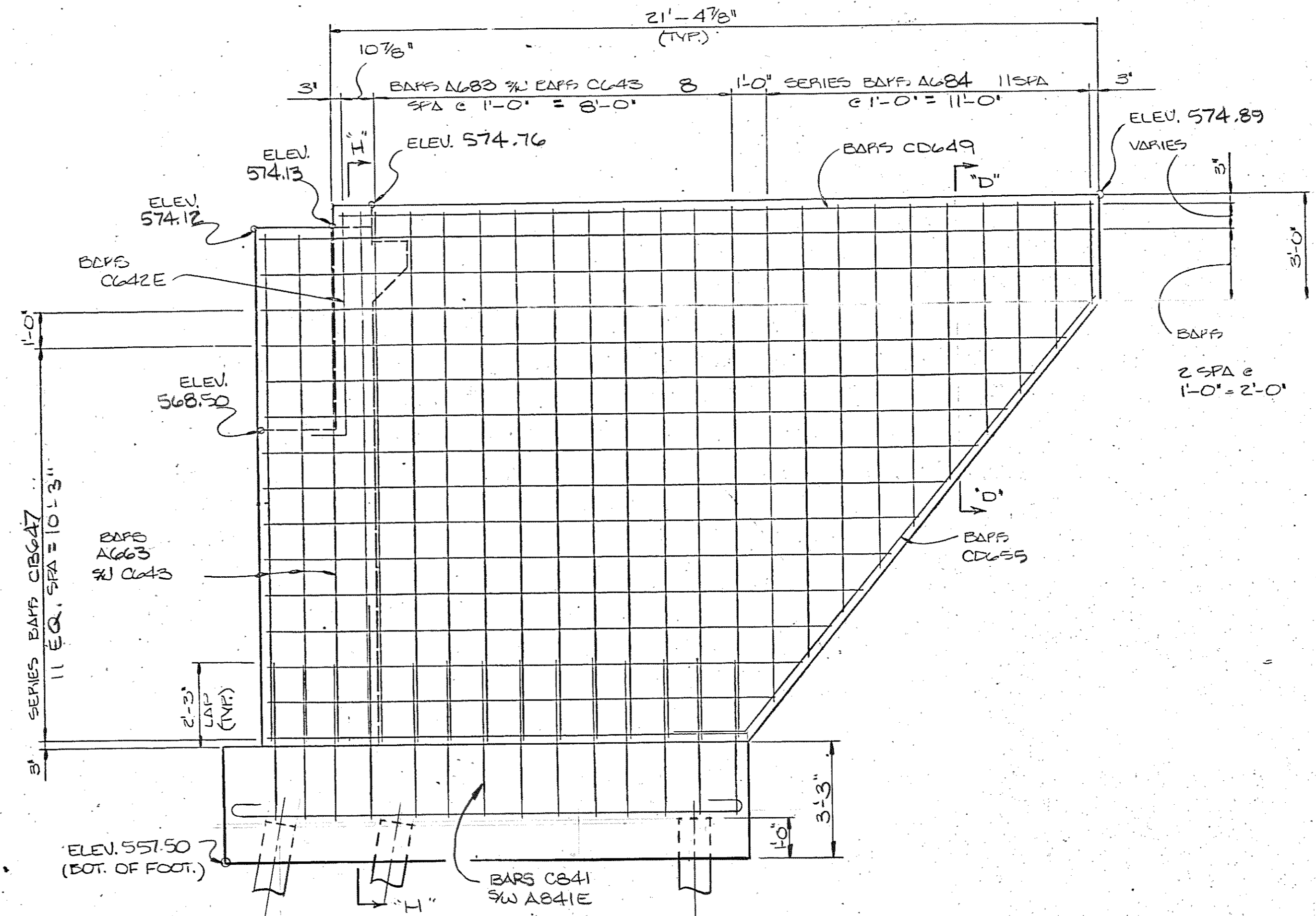


SECTION G-G

NOTE: 1" GAP REQUIRED BETWEEN BOTTOM OF SLAB AND TOP OF APRON WALL.



ELEVATION KK
(TYPICAL & SIDE ADJACENT TO TRAFFIC)



ELEVATION KK
(TYPICAL & SIDE OPPOSITE TRAFFIC)

DESIGNED BY J. PRINCE DATE 12-82
 DRAWN BY M. MOODY & H. DATE 12-82
 SUPERVISED BY J. FIELDS & A.M. SMITH DATE 12-82
 CHECKED BY J. PRINCE DATE 1-83

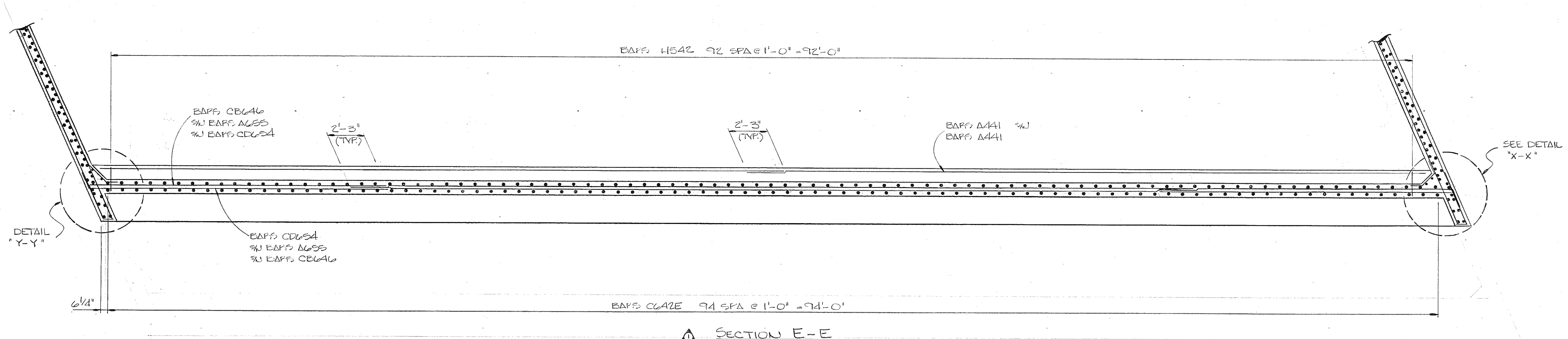
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 DETAIL NO. 2
 WEST END AVENUE OVER
 INTERSTATE-440 AND
 RAMP 'F-H'
 STATION 162+01.23
 DAVIDSON COUNTY
 1983

CORRECT *Colton L. Sewell*
 ENGINEER OF STRUCTURES
 APPROVED *Louis S. Ward*
 DIRECTOR OF HIGHWAYS

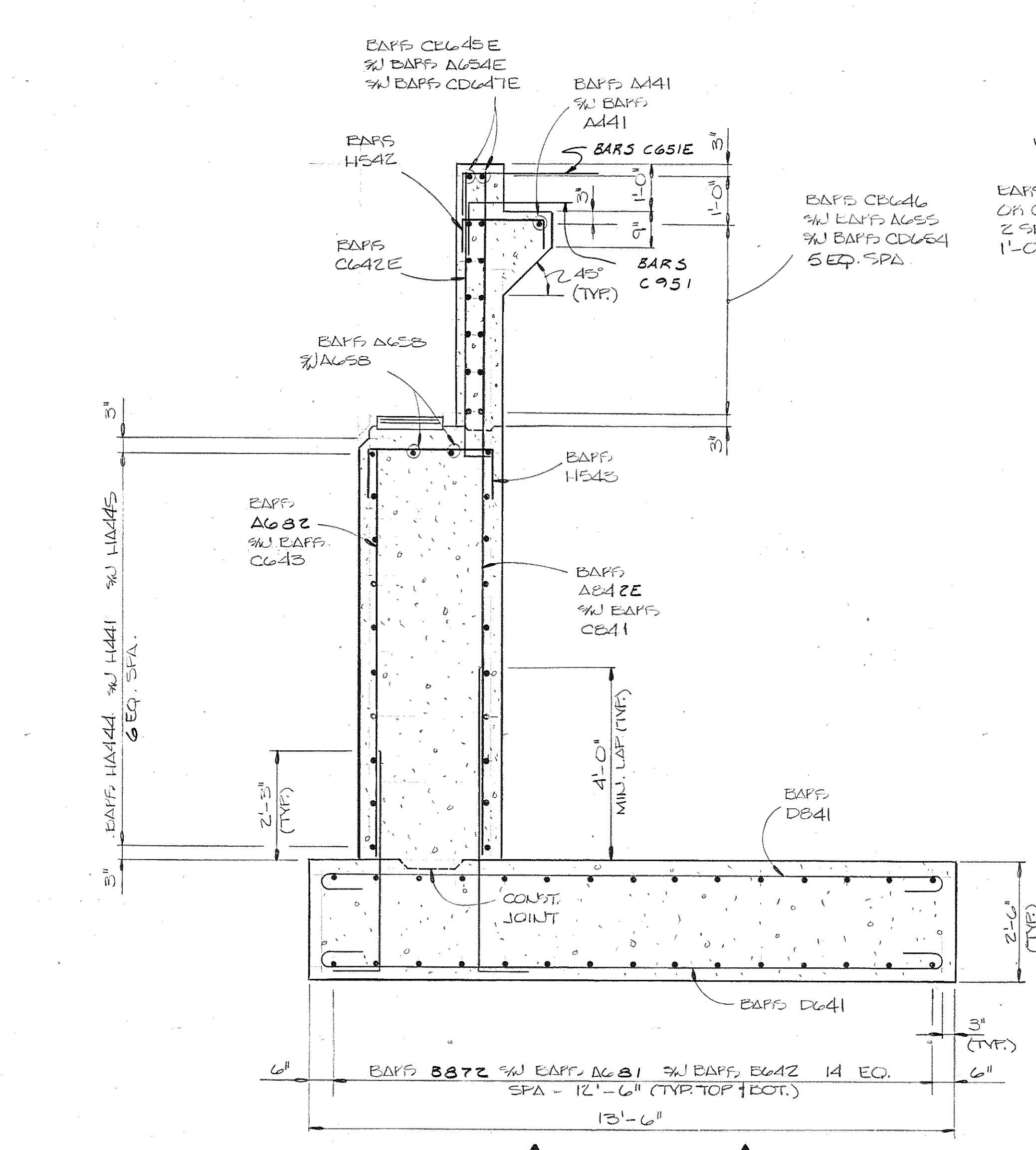
M-119-16A

PROJECT NO.	YEAR	SHEET NO.
1-440-4 (S) 206	1983	

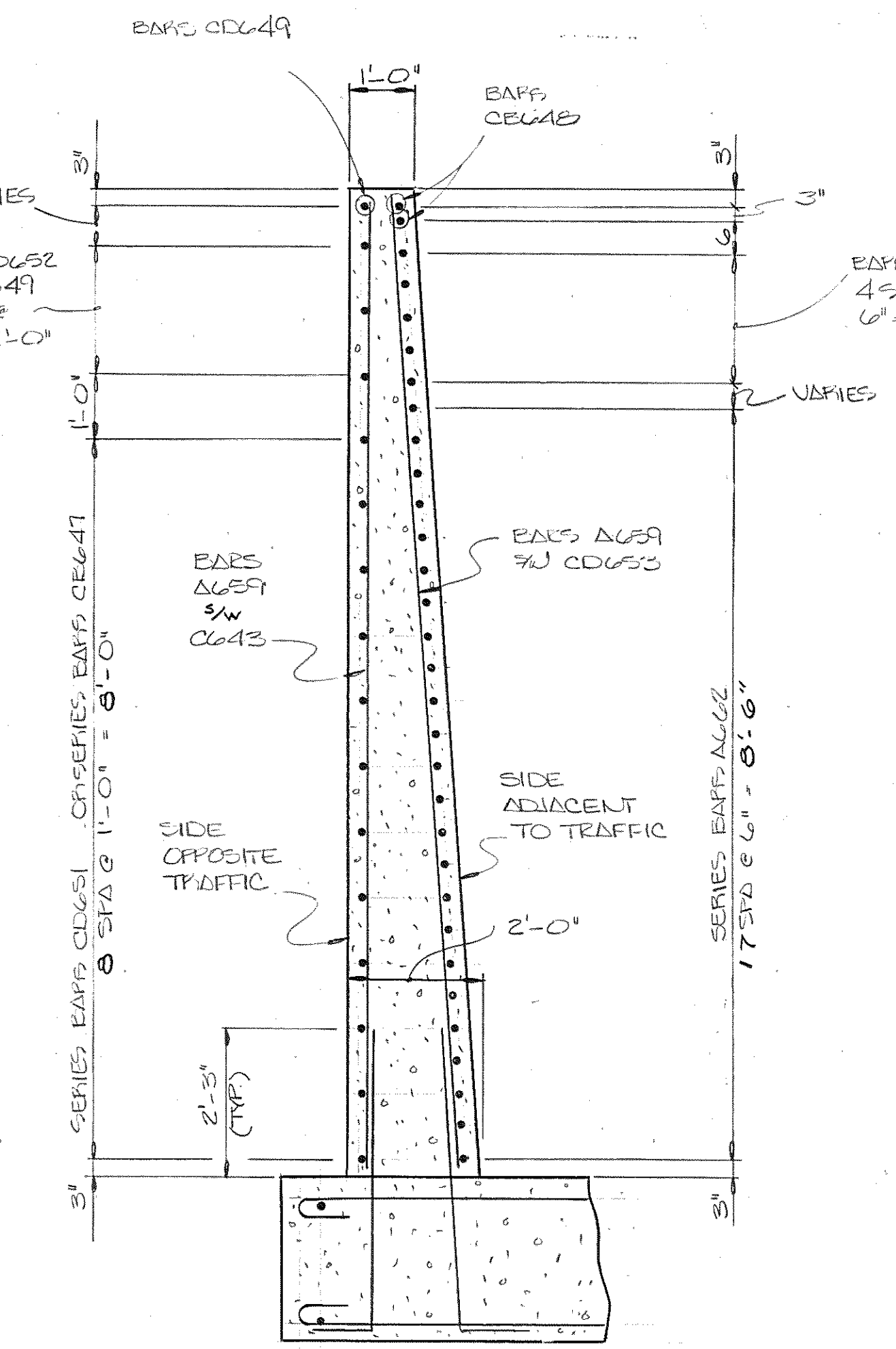
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-8-82	JHP	GEN. REV.
2	7-25-85	JHP	GEN. REV.



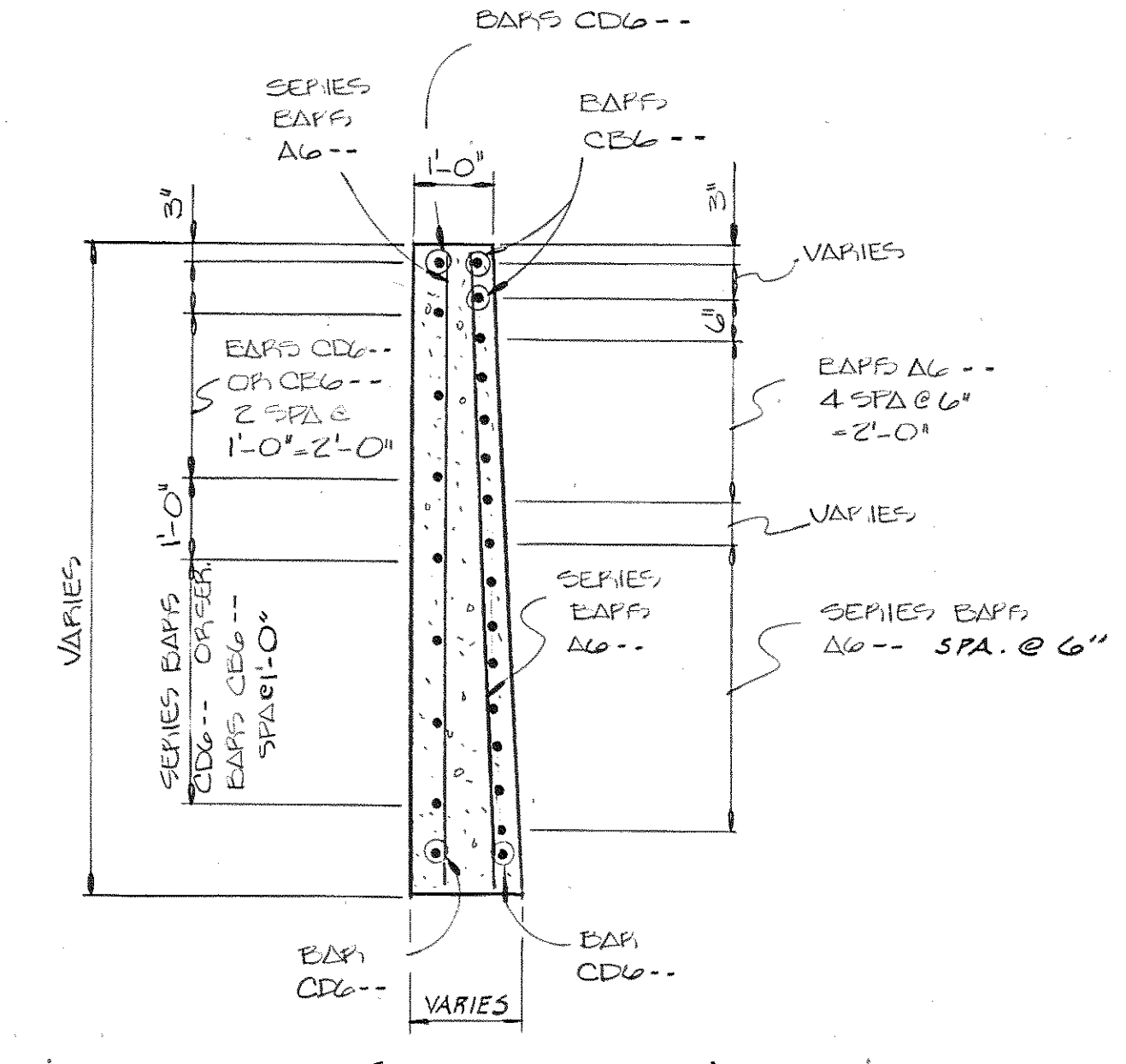
SECTION E-E



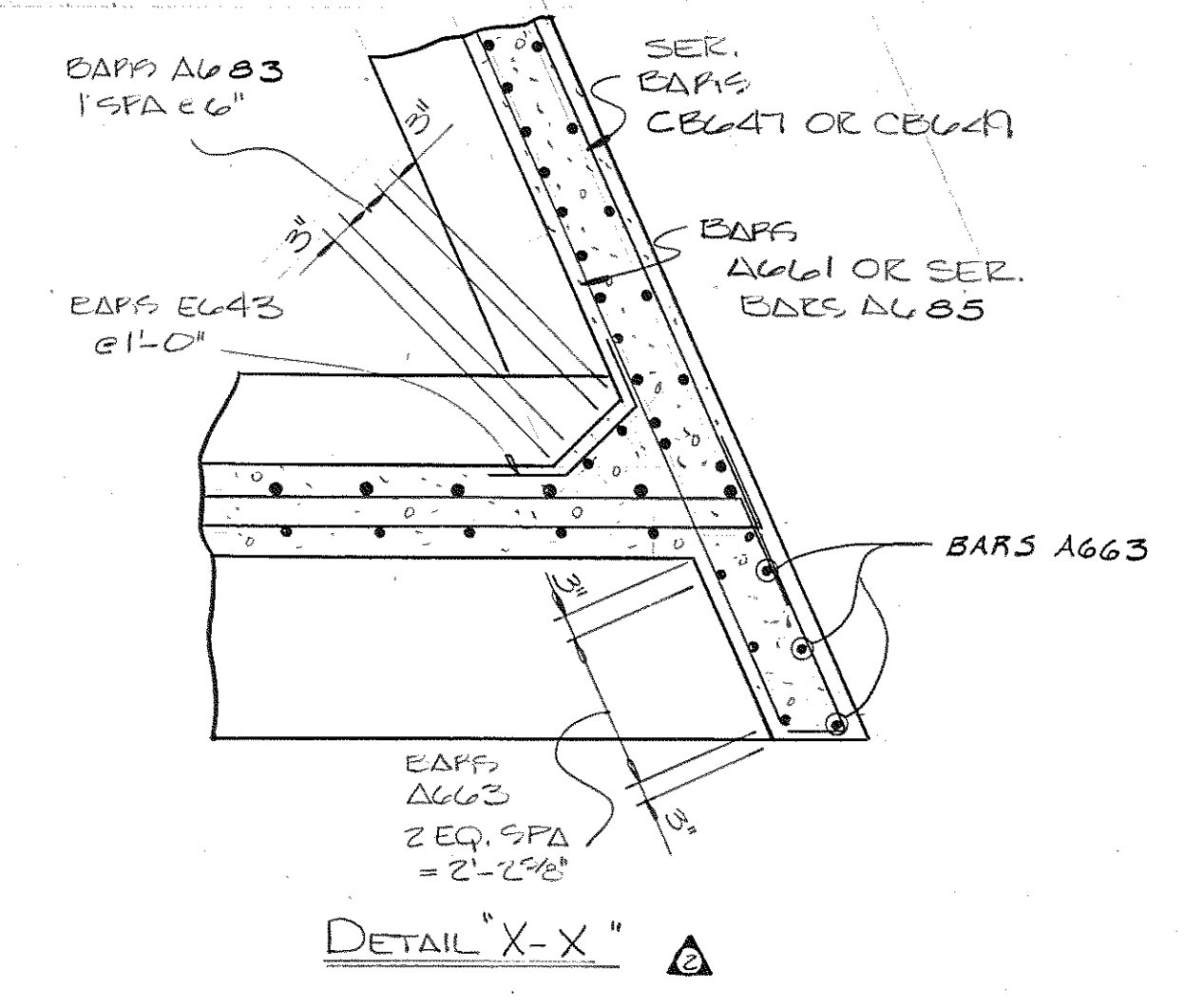
SECTION B-B



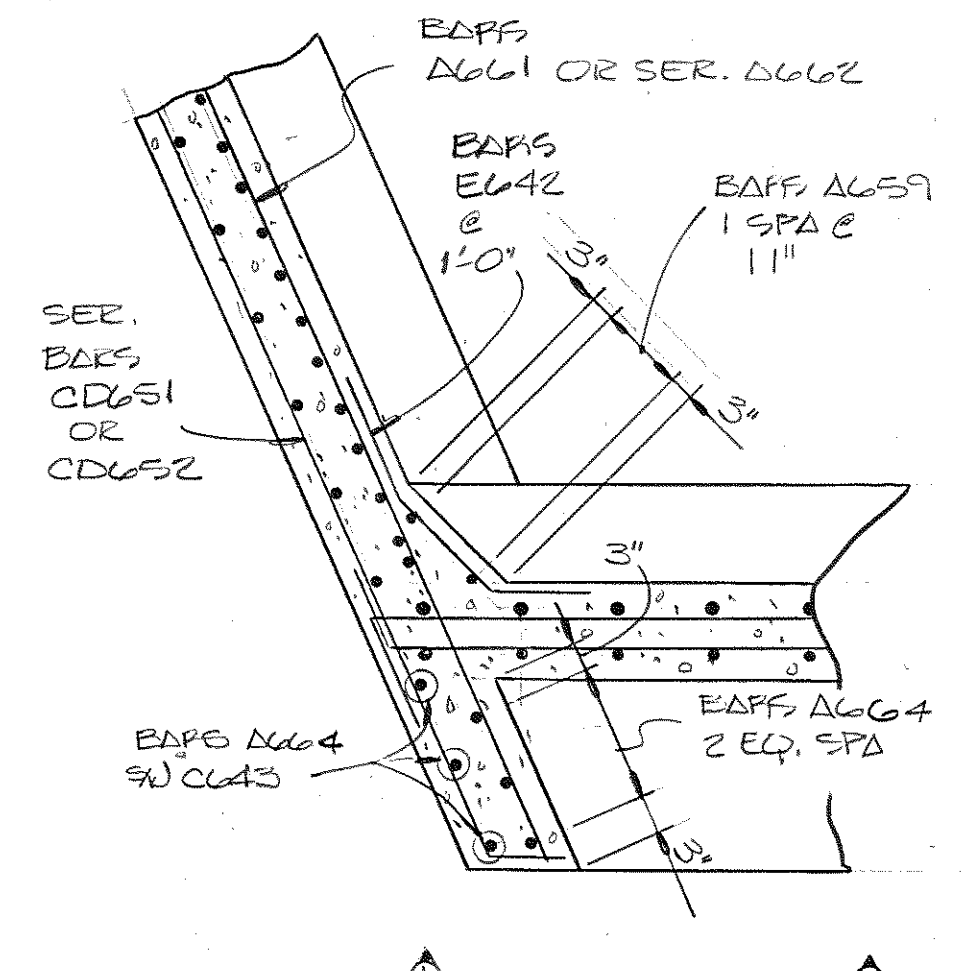
SECTION C-C



SECTION D-D



DETAIL X-X



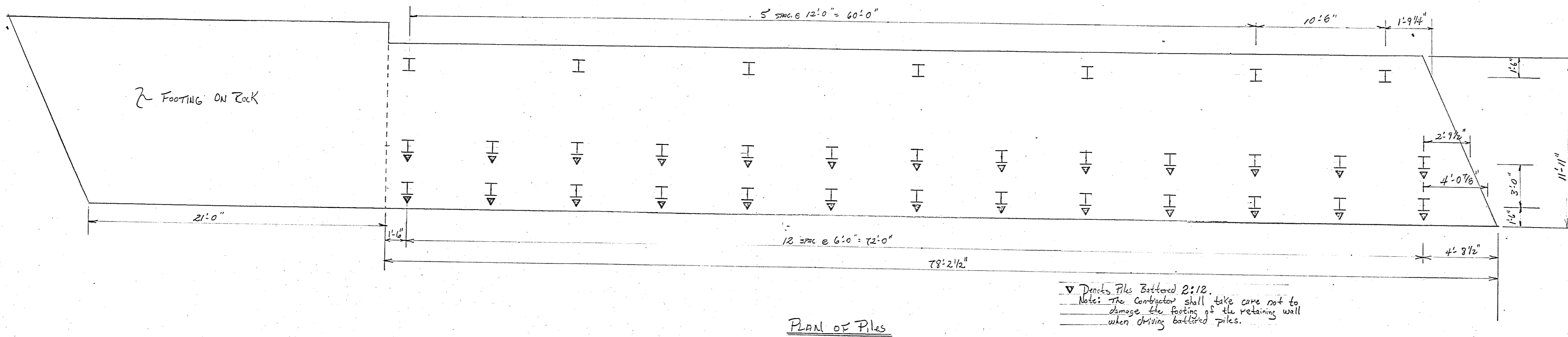
DETAIL Y-Y

DESIGNED BY J. PRINCE DATE 11-82
 DRAWN BY K. MOODY DATE 12-82
 SUPERVISED BY J. FIELDS & J.M. SMITH DATE 12-82
 CHECKED BY J. PRINCE DATE 1-83

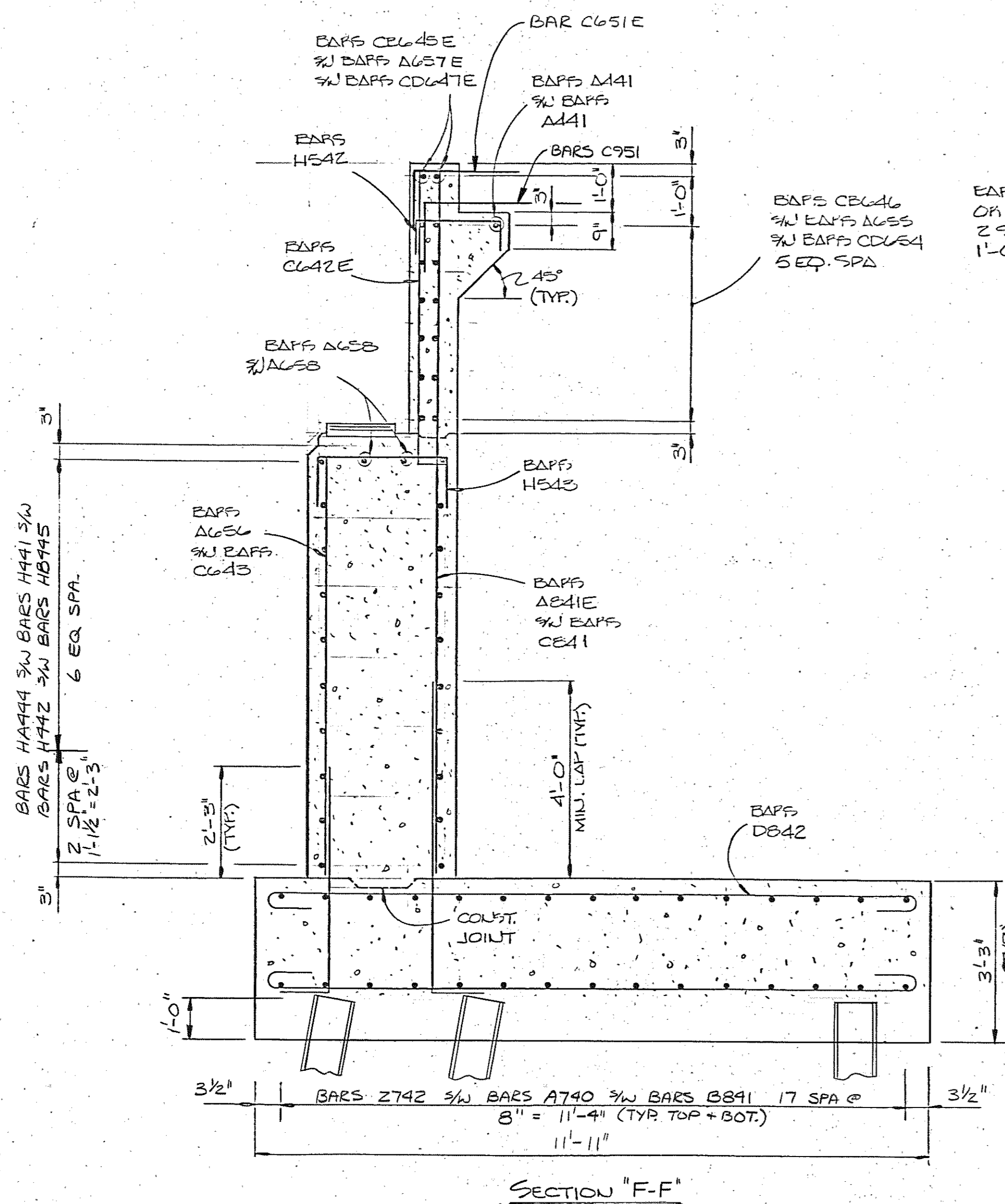
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 ABUTMENT NO. 2 DETAILS
 WEST END AVENUE OVER
 INTERSTATE-440 &
 RAMP "F-11"
 STATION 169+0.23
 DAVIDSON COUNTY
 1983

CORRECT *Glenn L. Fowall*
 ENGINEER OF STRUCTURES
 APPROVED *Lewis R. ...*
 DIRECTOR OF HIGHWAYS

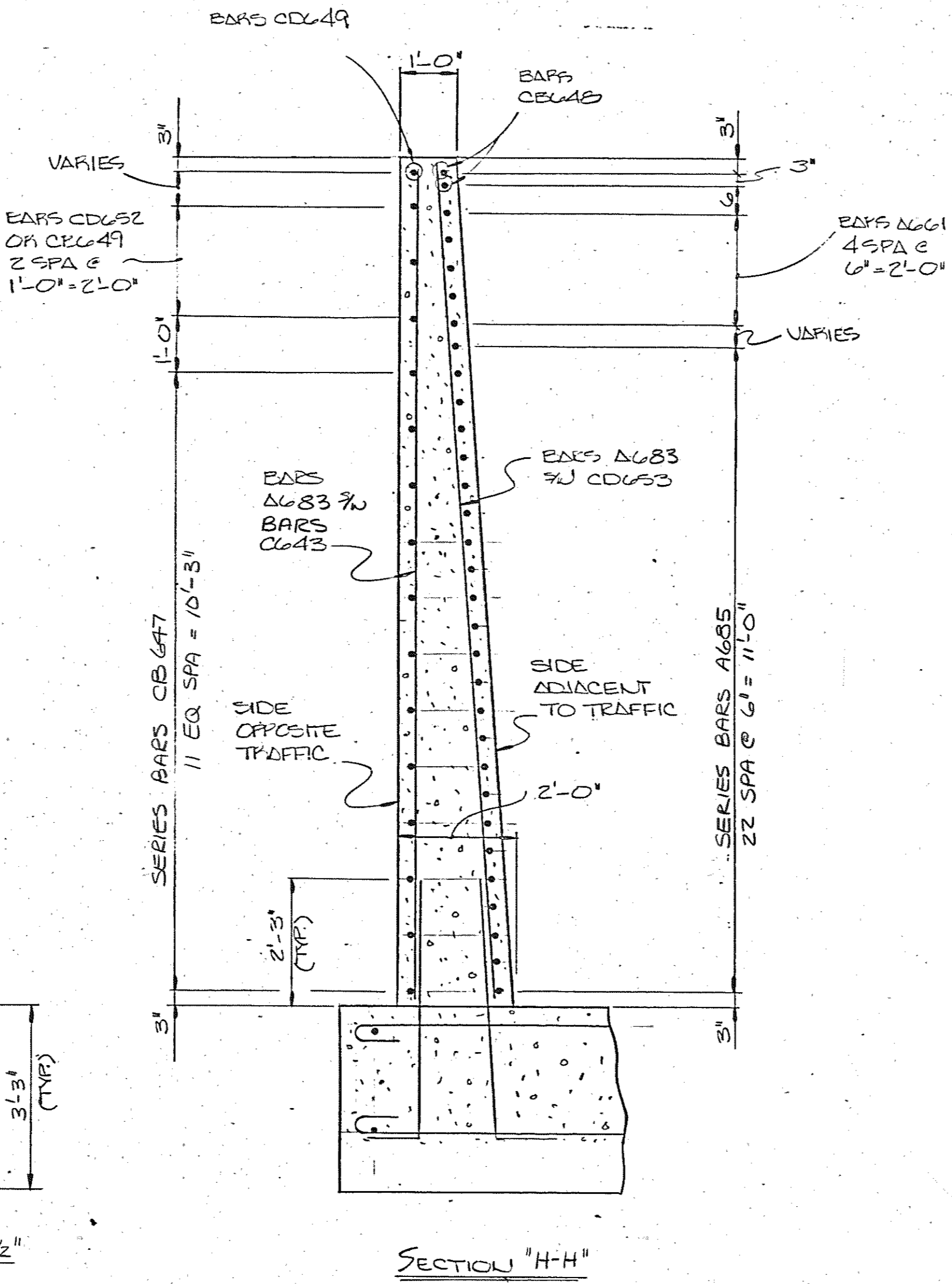
PROJECT NO.	YEAR	SHEET NO.	
1A014.3/11.44	1983		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	7-25-85	JHP	Draw. Added



PLAN OF PILES



SECTION "F-F"



SECTION "H-H"

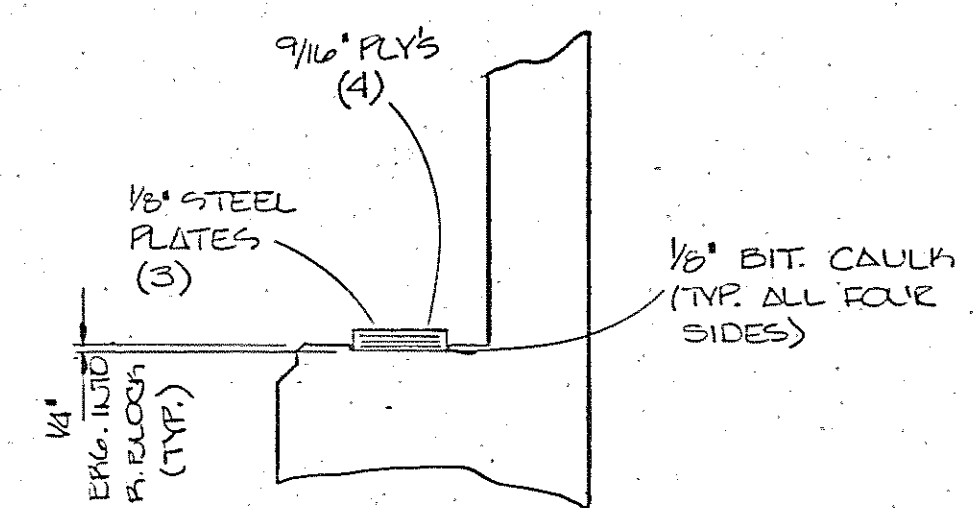
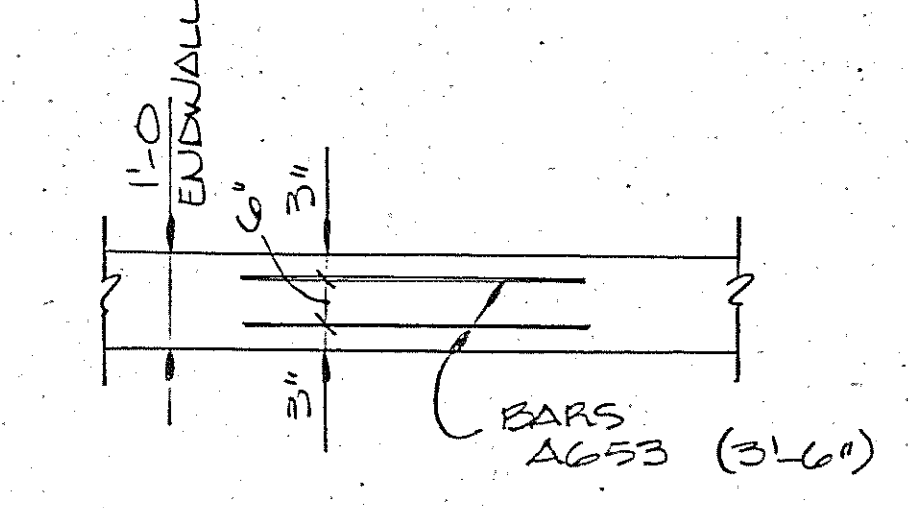
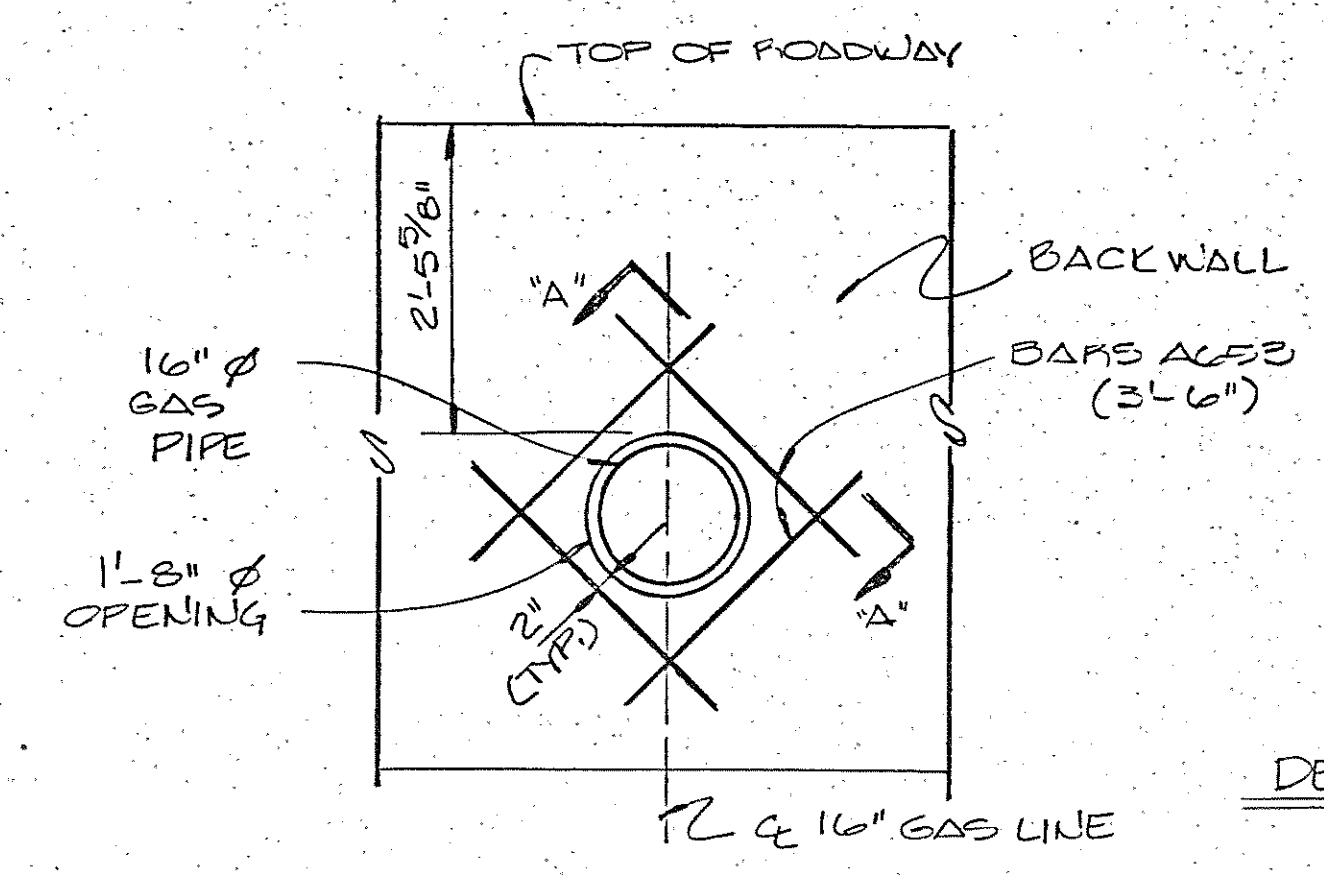
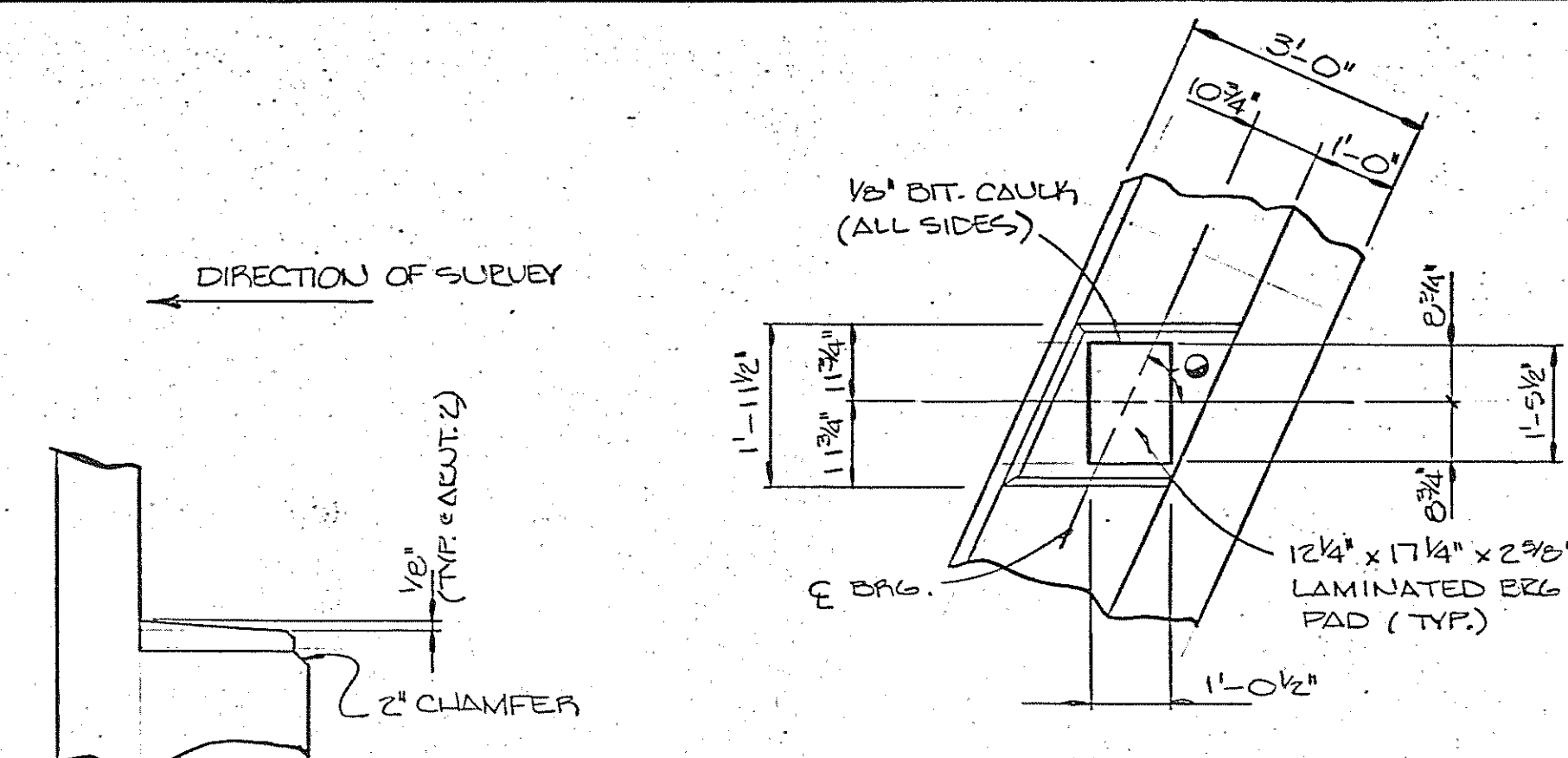
DESIGNED BY J. PRINCE DATE 11-82
 DRAWN BY BILL HENSLEY DATE 8-85
 SUPERVISED BY J. FIELDS DATE 8-85
 CHECKED BY J. PRINCE DATE 1-83

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 ABUTMENT NO. 2 DETAILS
 WEST END AVENUE OVER
 INTERSTATE-440 &
 RAMP 'F-11'
 STATION 169+0.13
 DAVIDSON COUNTY
 A83

CORRECT *Olden L. Fowall*
 ENGINEER OF STRUCTURES
 APPROVED *Lewis Guard*
 DIRECTOR OF HIGHWAYS

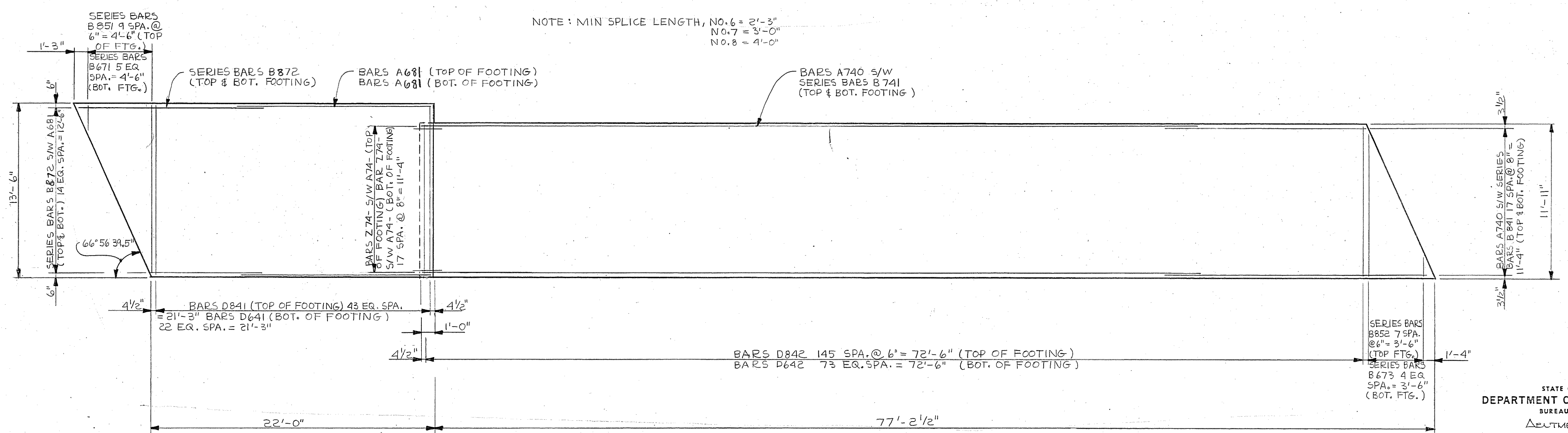
M-119-17A

PROJECT NO.		YEAR	SHEET NO.
T-440-4(55)206		1983	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	7-25-85	JHP	FOOTING



Laminated BRG. Pad Details
 10 LAMINATED BRG. PADS REQ'D @ EACH ABUTMENT

NOTE: MIN SPLICE LENGTH, NO. 6 = 2'-3"
 NO. 7 = 3'-0"
 NO. 8 = 4'-0"



PLAN OF FOOTING

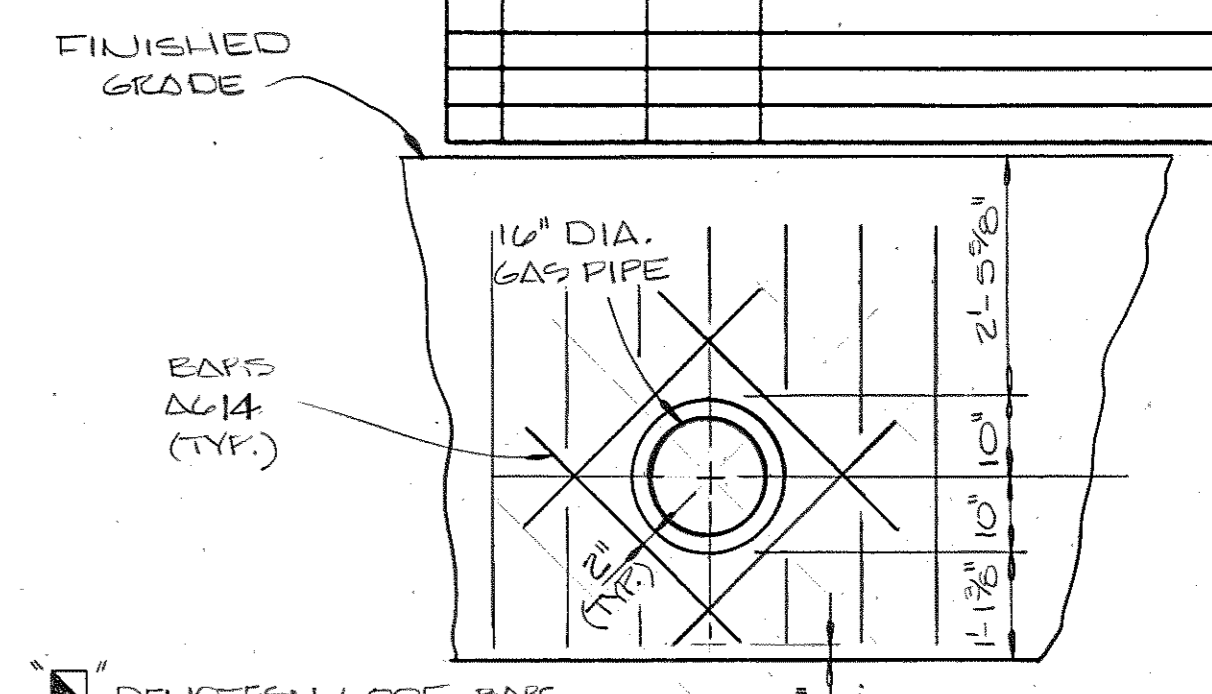
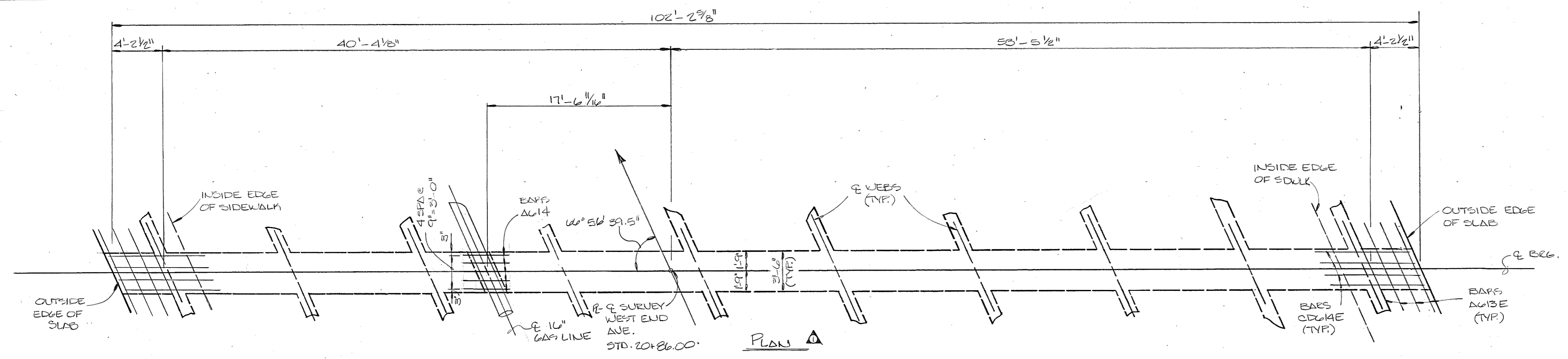
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 ABUTMENT NO. 2 DETAILS
 WEST END AVENUE OVER
 INTERSTATE -440 &
 RAMP "F-11"
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

DESIGNED BY J. FINLICE DATE 11-82
 DRAWN BY K. MOODY DATE 12-82
 SUPERVISED BY J. FIELDS & D.M. SMITH DATE 12-82
 CHECKED BY J. FINLICE DATE 1-83

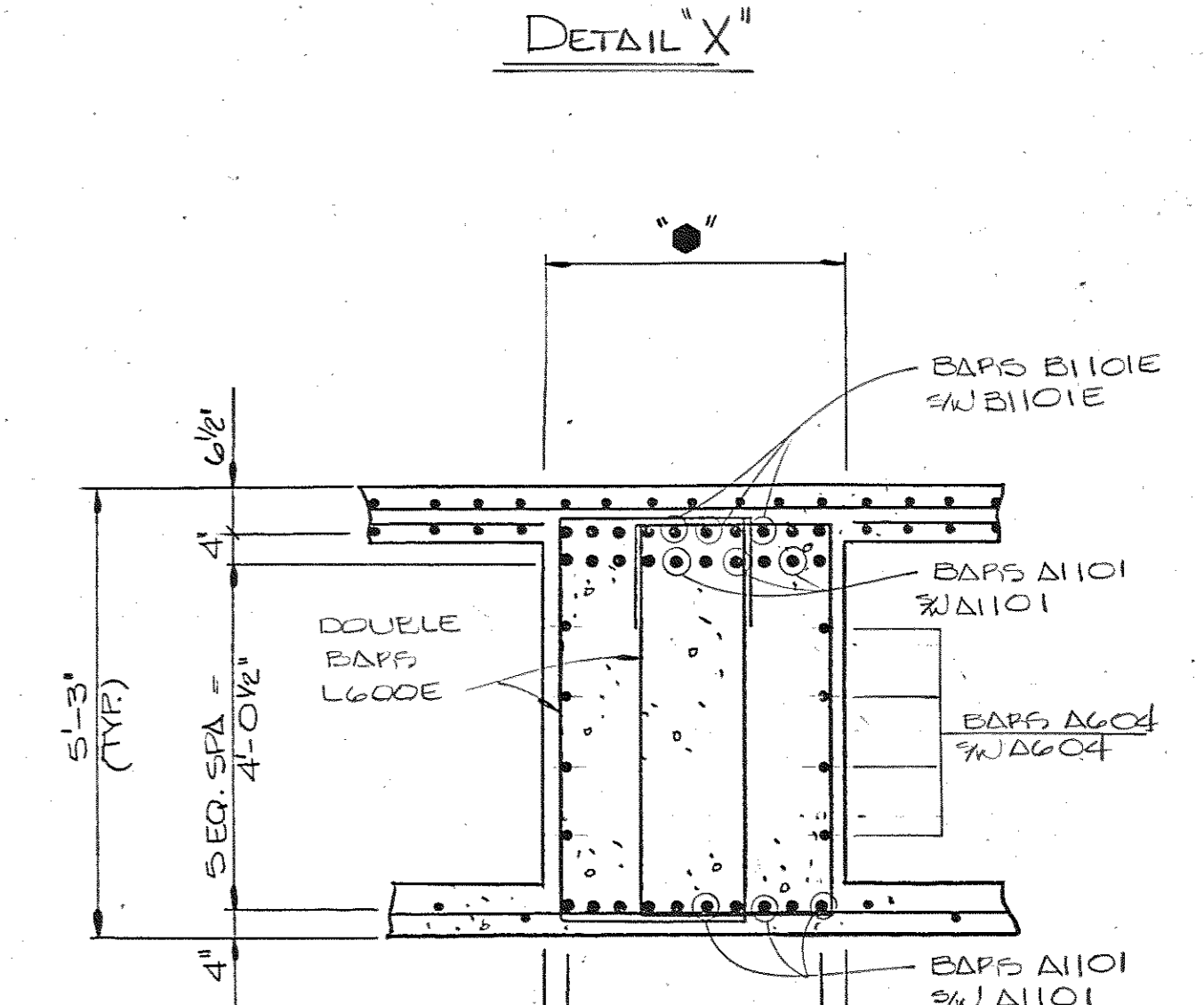
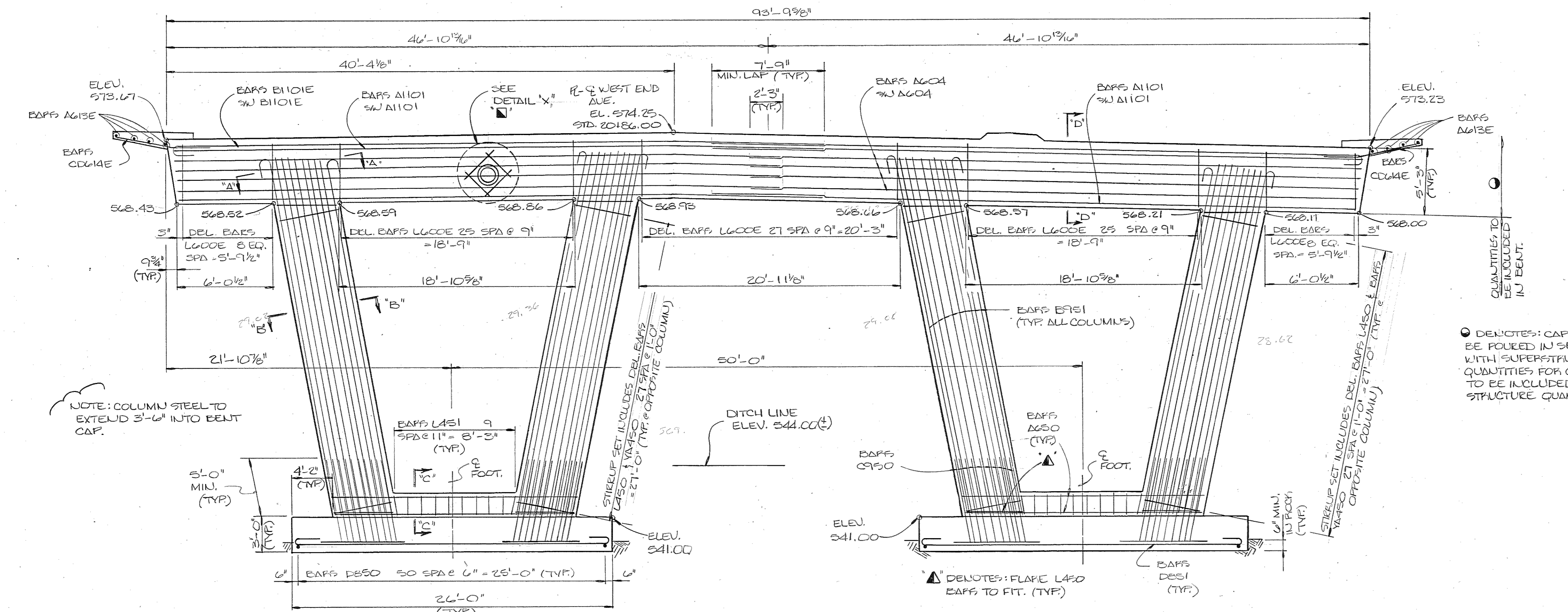
CORRECT *William L. Swansell*
 ENGINEER OF STRUCTURES
 APPROVED *Louis Swansell*
 DIRECTOR OF HIGHWAYS

PROJECT NO.	YEAR	SHEET NO.
440-A(3)206	1983	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-8-83	SLIP	GEN. DEV.



■ DENOTES: L600E BARS TO BE CUT IN FIELD.



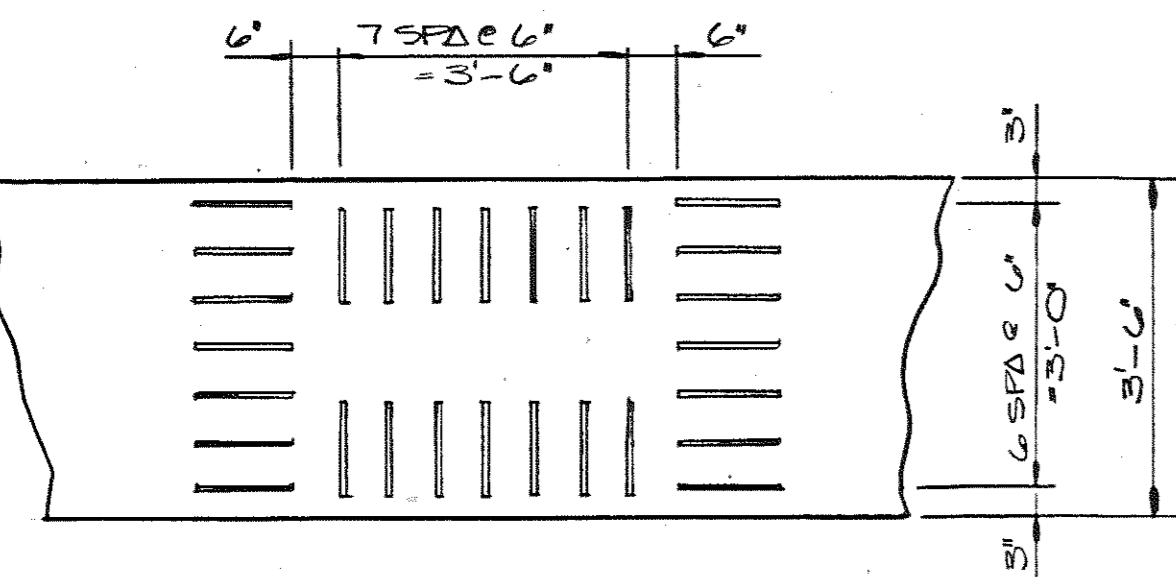
● DENOTES: CAP BEAM TO BE POURED IN SEQUENCE WITH SUPERSTRUCTURE. ALL QUANTITIES FOR CAP BEAM TO BE INCLUDED IN SUPERSTRUCTURE QUANTITIES.

● DENOTES: PREST. DECK PANELS ARE NOT ALLOWED IN THIS REGION.

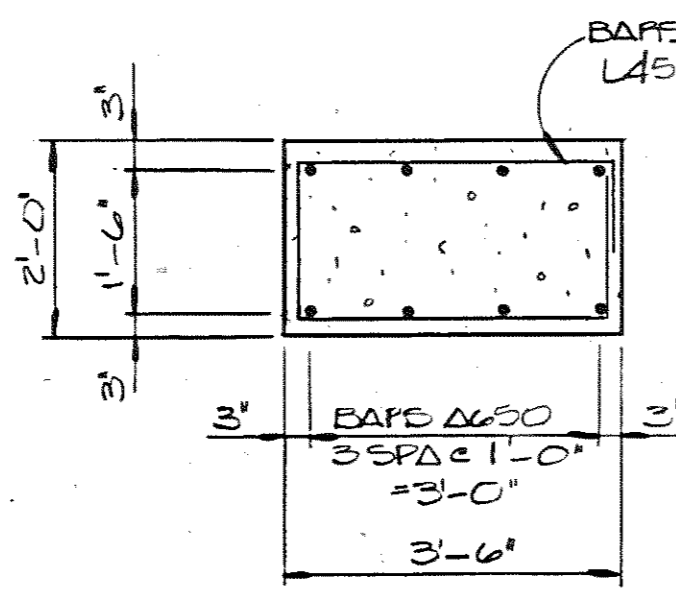
SECTION D-D

▲ ESTIMATED QUANTITIES

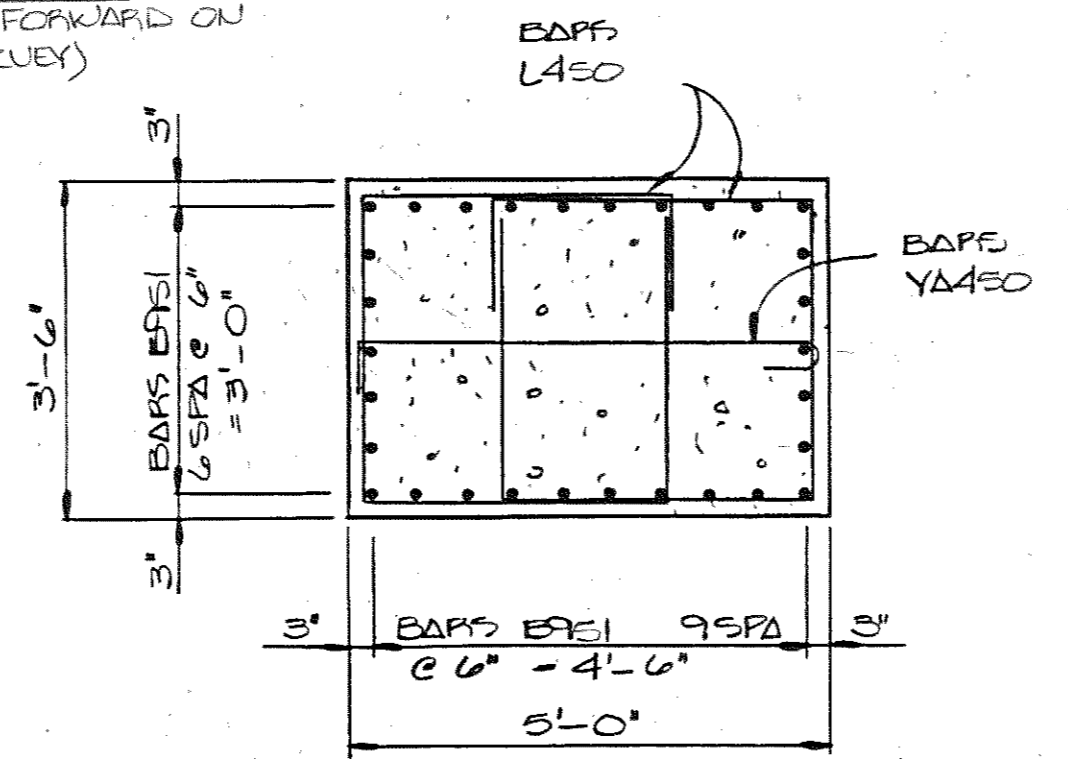
BENT NO.	CLASS 'A' CONCRETE CY.	REINFORCING STEEL LBS.
BENT NO. 2	156	26,384



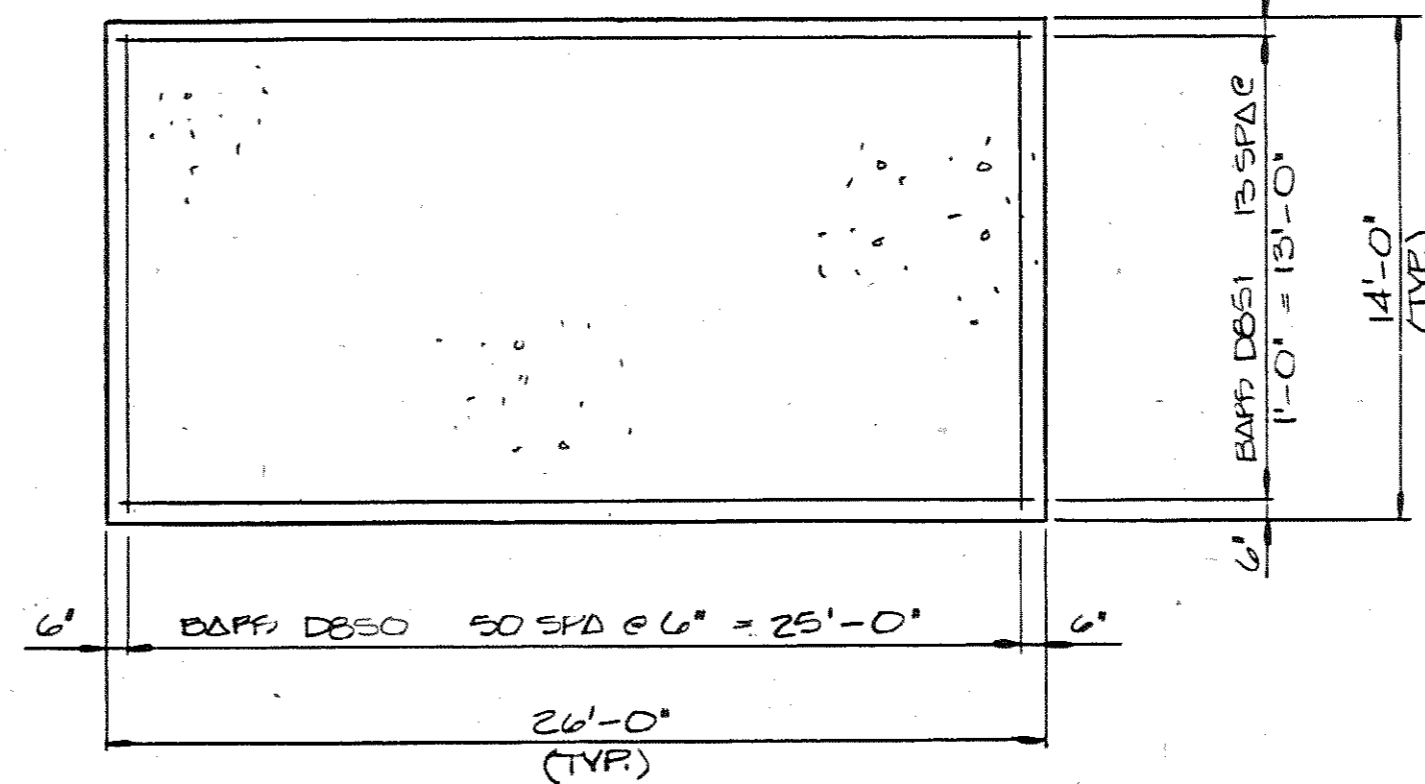
SECTION A-A (SHOWING HOOP PLACEMENT FOR COLUMNS)



SECTION C-C



SECTION B-B



PLAN OF FOOTING

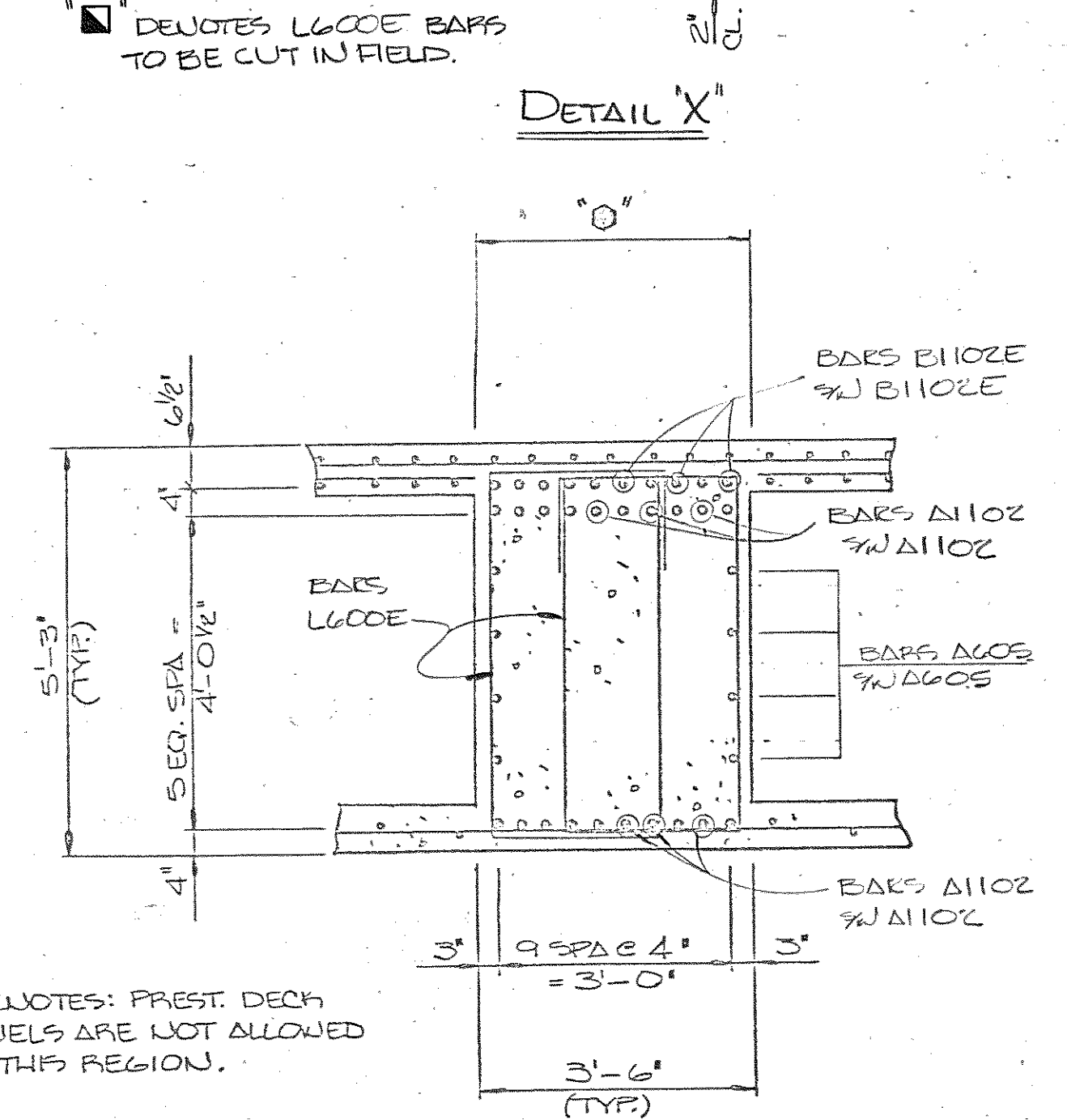
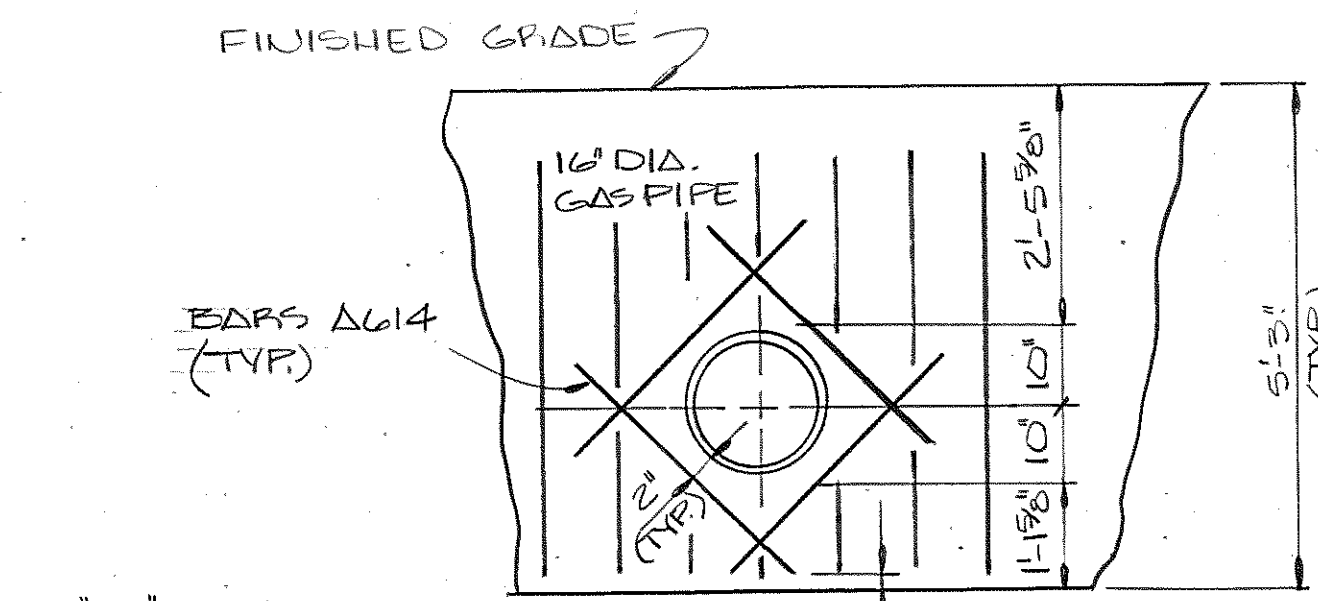
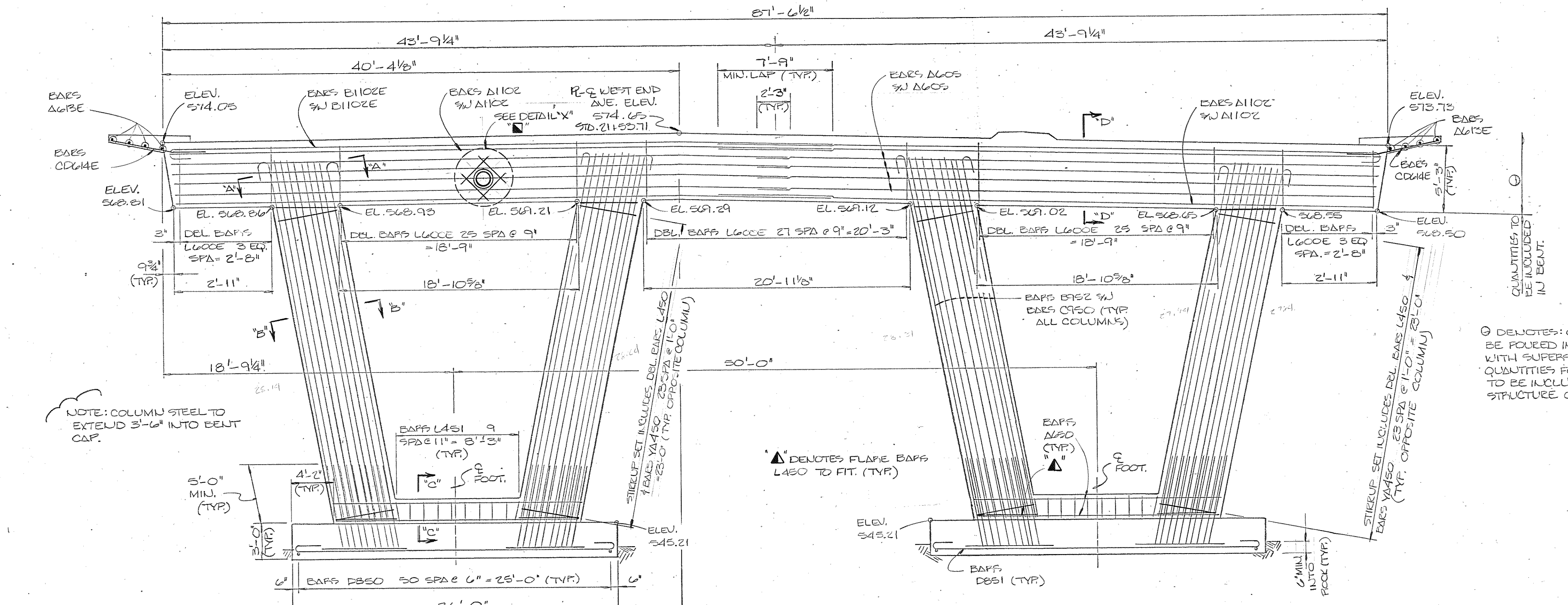
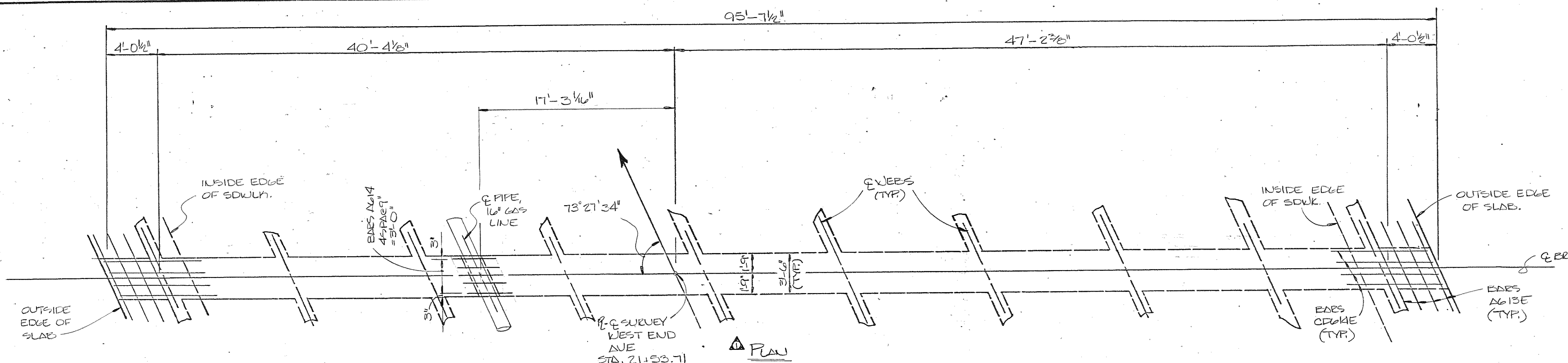
DESIGNED BY J. PRINCE DATE 11-82
 DRAWN BY R. MOOLY DATE 12-82
 SUPERVISED BY J. FIELDS & A.M. SMITH DATE 12-82
 CHECKED BY J. PRINCE DATE 1-83

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 BENT NO. 2
 WEST END AVENUE OVER
 INTERSTATE 440 AND
 RAMP 'F-11'
 STATION 169+01.23
 DAVIDSON COUNTY
 A83

CORRECT *Clifton L. Fowell*
 ENGINEER OF STRUCTURES
 APPROVED *Louis Evans*
 DIRECTOR OF HIGHWAYS

M-119-20

PROJECT NO.	YEAR	SHEET NO.	
1A04-211-44	1983		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-9-83	JHP	GEN. REV.
2	4-29-83	JHP	General



⊙ DENOTES: CAP BEAM TO BE POURED IN SEQUENCE WITH SUPERSTRUCTURE. ALL QUANTITIES FOR CAP BEAM TO BE INCLUDED IN SUPERSTRUCTURE QUANTITIES.

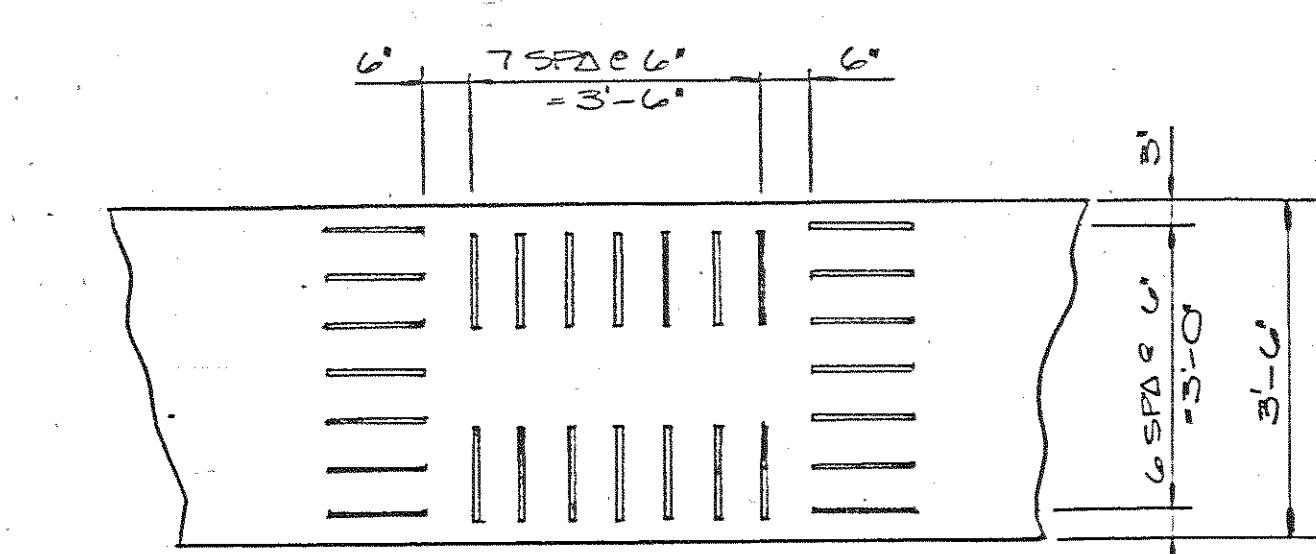
⊙ DENOTES: PREST. DECK PANELS ARE NOT ALLOWED IN THIS REGION.

ESTIMATED QUANTITIES

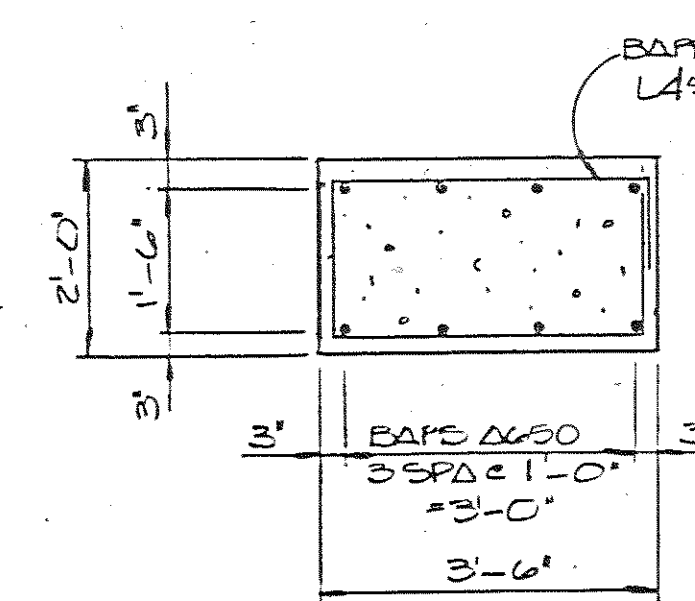
BENT NO.	CLASS 'A' CONCRETE CY.	REINFORCING STEEL LBS.
BENT NO. 3	145	24,370

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
BENT NO. 3
WEST END AVENUE OVER
INTERSTATE 440 AND
RAMP 'F'-H
STATION 162+0.13
DAVIDSON COUNTY
A83

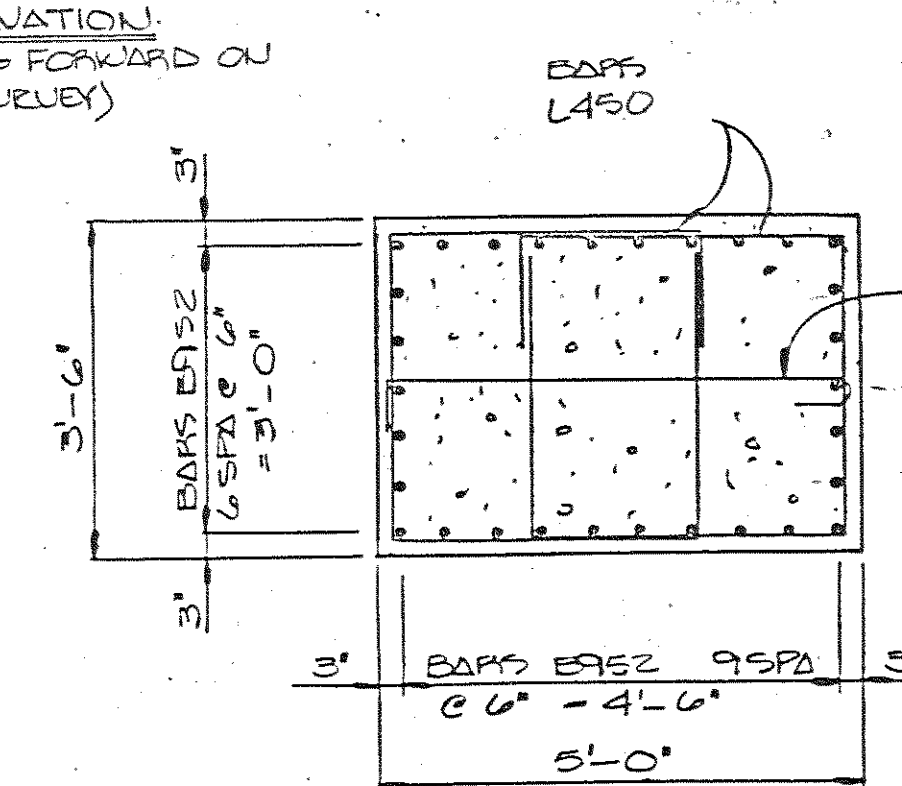
CORRECT *Colleen L. Ferrell*
ENGINEER OF STRUCTURES
APPROVED *Louis Evans*
DIRECTOR OF HIGHWAYS



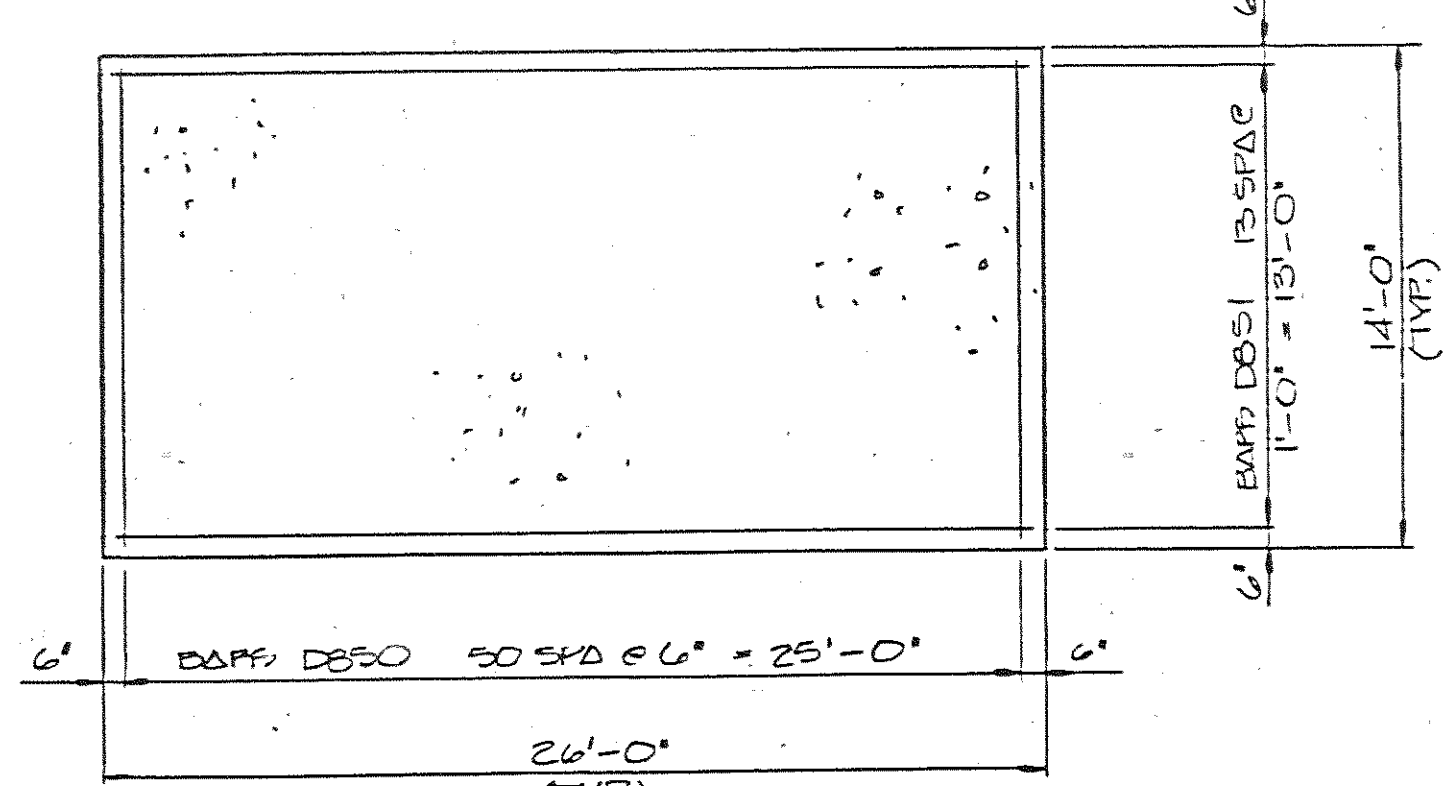
SECTION A-A
(SHOWING HOOP PLACEMENT FOR COLUMNS)



ELEVATION
(LOOKING FORWARD ON SURVEY)



SECTION B-B



PLAN OF FOOTING

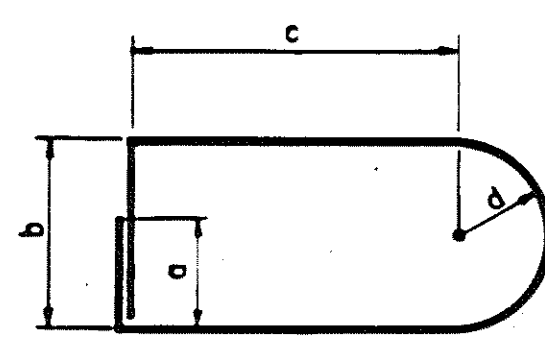
DESIGNED BY J. PRINCE DATE 11-86
DRAWN BY P. MOODY DATE 12-82
SUPERVISED BY J. FIELDS & A.M. SMITH DATE 12-82
CHECKED BY J. PRINCE DATE 1-83

BILL OF STEEL

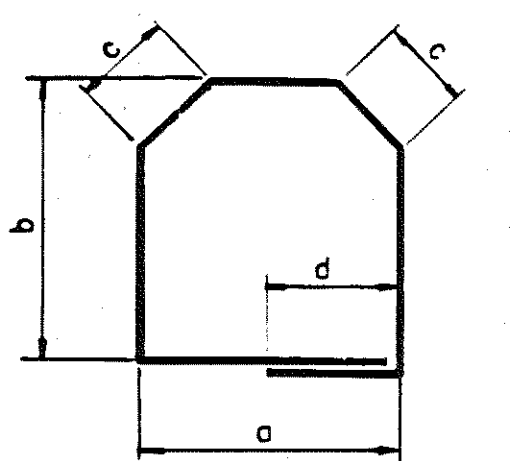
CONTRACT NO. 19014-3111-44

ABUTMENT No. 1 - (CONTINUED)										ABUTMENT No. 2 - EPOXY										ABUTMENT No. 2 - (CONTINUED)										PAVEMENT @ BRIDGE ENDS - ABUT. 2 (EPOXY)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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EA00	E. WING	6	14	2'-0"	1'-0"	0"	1'-3"	5'-9"	EA01	L. WING	6	15	2'-3"	1'-6"	1'-3"	0"	5'-3"	EA02	E. WING	6	1	DIM 'A' VARIES FROM 23'-0" TO 13'-3" IN INCRE OF 1'-2 3/8" (9 BARS)				13'-0"	EA03	E. WING	6	3	2'-3"	1'-6"	1'-3"	0"	5'-9"	EA04	L. WING	6	3	2'-3"	1'-6"	1'-3"	0"	5'-9"	EA05	E. WING	6	4	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA06	L. WING	6	3	2'-3"	1'-6"	1'-3"	0"	5'-9"	EA07	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA08	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA09	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA10	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA11	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA12	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA13	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA14	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA15	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA16	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA17	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA18	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA19	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA20	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA21	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA22	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA23	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA24	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA25	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA26	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA27	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA28	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA29	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA30	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA31	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA32	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA33	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA34	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA35	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA36	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA37	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA38	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA39	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA40	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA41	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA42	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA43	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA44	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA45	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA46	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA47	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA48	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA49	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA50	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA51	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA52	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA53	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA54	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA55	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA56	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA57	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA58	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA59	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA60	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA61	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA62	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA63	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA64	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA65	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA66	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA67	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA68	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA69	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA70	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA71	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA72	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA73	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA74	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA75	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA76	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA77	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA78	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA79	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA80	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA81	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA82	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA83	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA84	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA85	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA86	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA87	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA88	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA89	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA90	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA91	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA92	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA93	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA94	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA95	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA96	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA97	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA98	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA99	E. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"	EA100	L. WING	6	2	2'-1"	1'-8"	1'-3"	0"	5'-9"

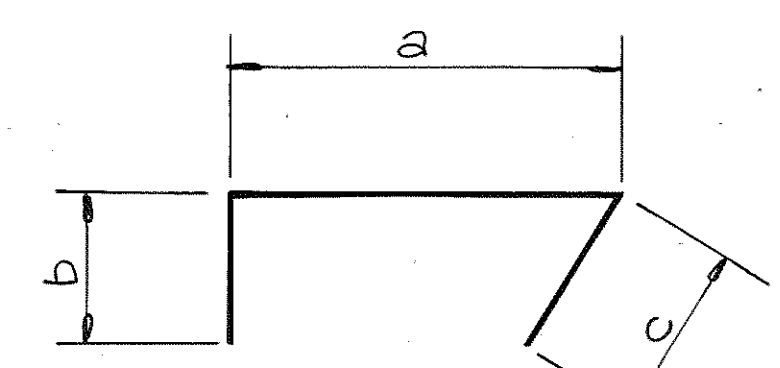
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-8-83	JHP	GENERAL
2	7-25-85	JHP	ABUT. NO. 2



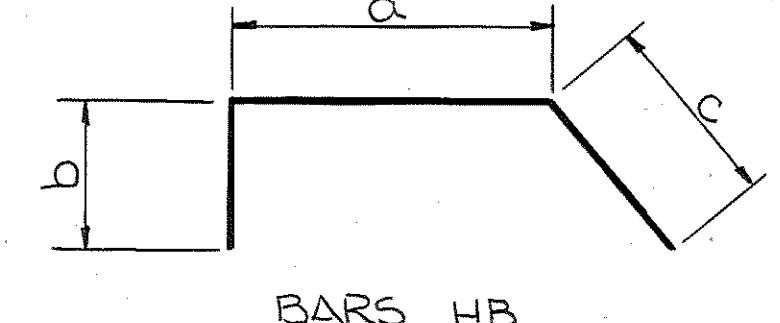
BARS X



BARS M



BARS HA

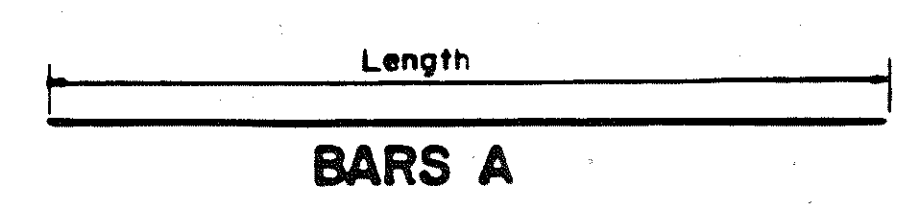


BARS HB

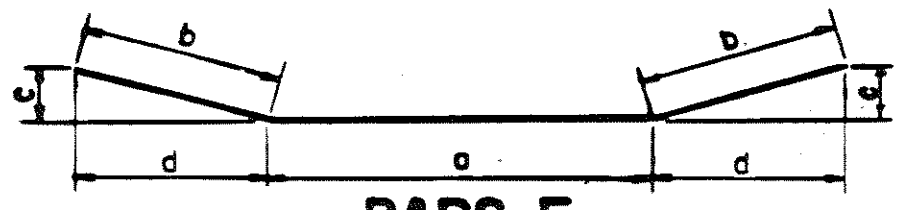
REINFORCING STEEL CODE

TYPE	SIZE	SERIES
A	5	06

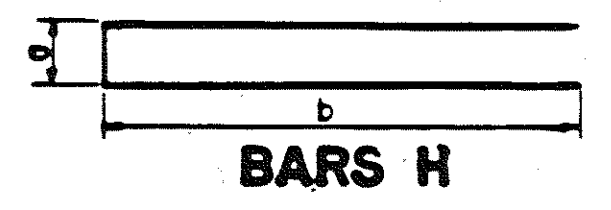
NOTE: Dimensions shown on this sheet are outside of outside of bar. Standard C.R.S.I. Hook Details Shall Apply, Except As Noted.



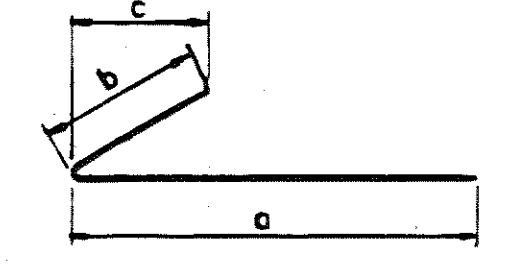
BARS A



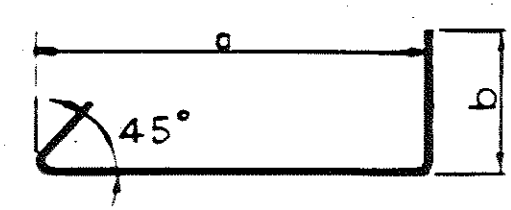
BARS E



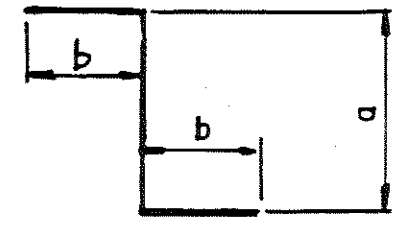
BARS H



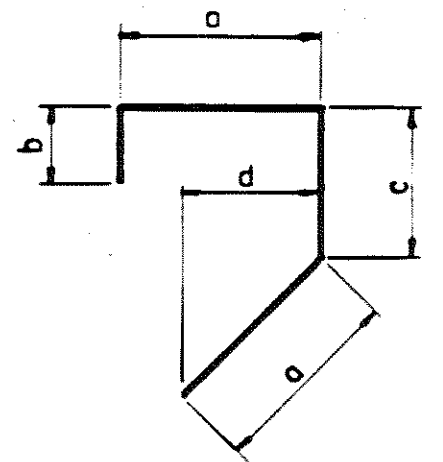
BARS CB



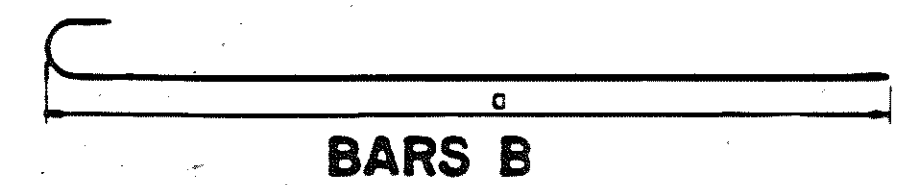
BARS YB



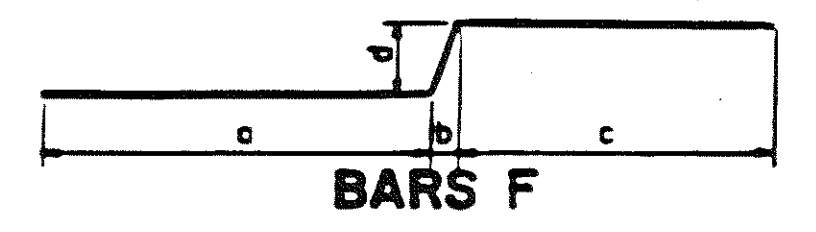
BARS Z



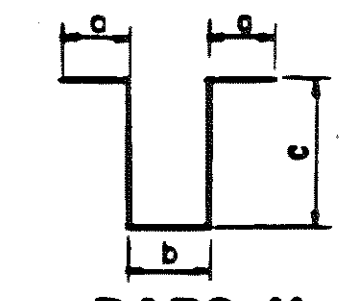
BARS J



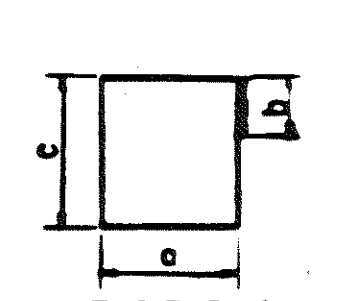
BARS B



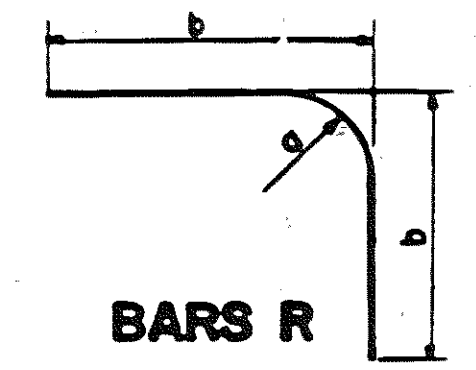
BARS F



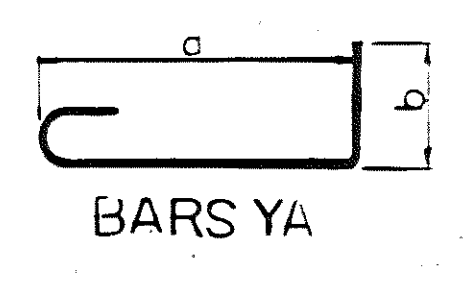
BARS K



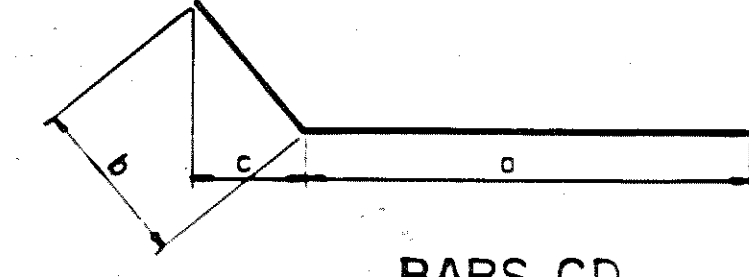
BARS L



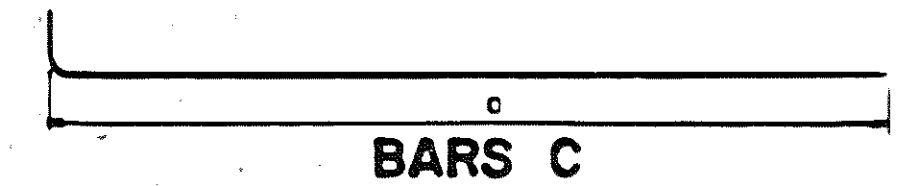
BARS R



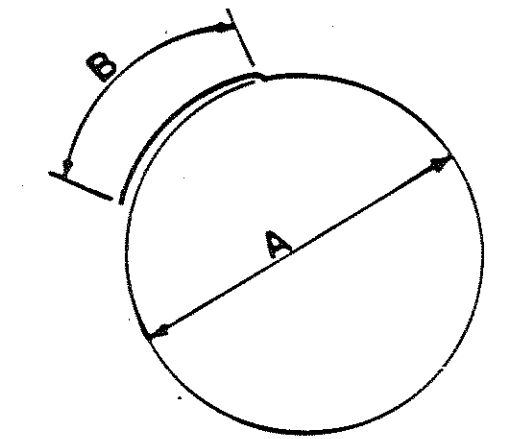
BARS YA



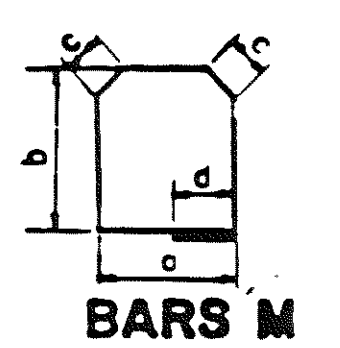
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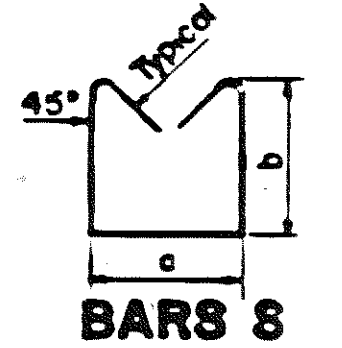
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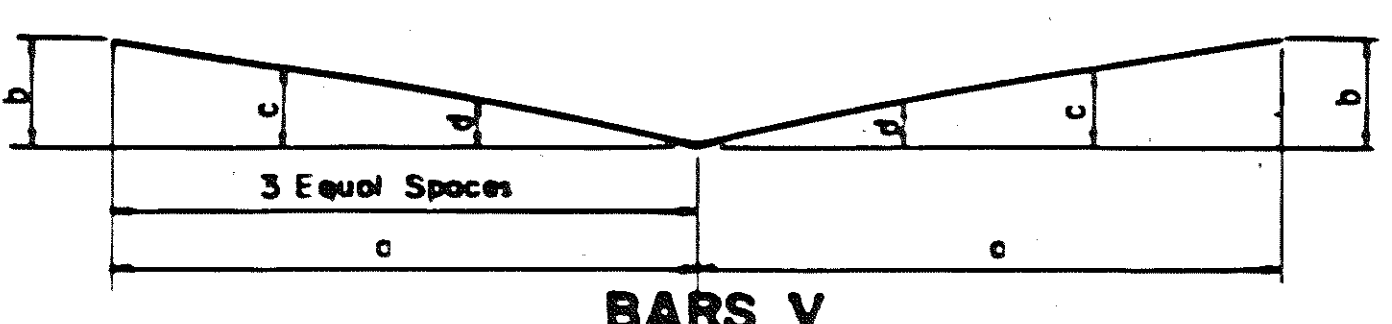
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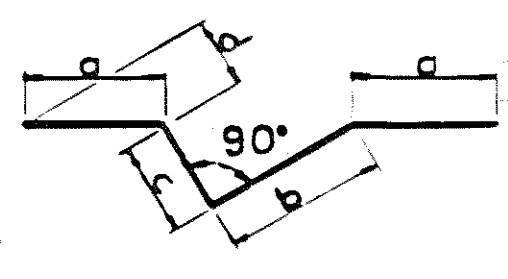
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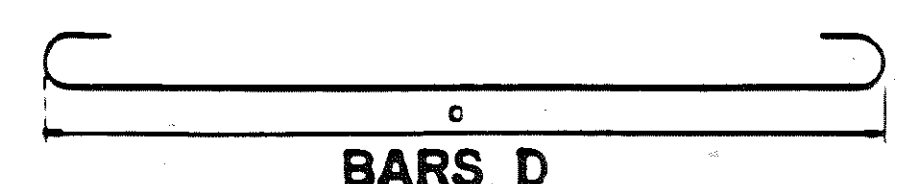
BARS S



BARS V



BARS JX



BARS D

DESIGNED BY: JOE PRINCE DATE: 11/82
 DRAWN BY: D. ALLEN DATE: 12/82
 SUPERVISED BY: FIELDS & SMITH DATE: 12/82
 CHECKED BY: JOE PRINCE DATE: 1/83

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS

BILL OF STEEL

WEST END AVENUE OVER INTERSTATE 440
 AND RAMP "F-H"
 STATION 169+01.23
 DAVIDSON COUNTY
 1983

CORRECT: Challen L. Lovell
 ENGINEER OF STRUCTURES
 APPROVED: Lewis Evans
 DIRECTOR OF HIGHWAYS

M-117-23

