

for lettering 2/20/67

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS AND BUILDINGS DIVISION OF HIGHWAYS PLANS FOR PROPOSED STATE BOND ISSUE HIGHWAY

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET
S.B.I. 183	112 B-2	FRANKLIN	30	1C
ILLINOIS PROJECT				

SCALES { PLAN 1 INCH = 100 FT.
 PROFILE, HOR. 1 INCH = 100 FT.
 PROFILE, VERT. 1 INCH = 10 FT.
 CROSS-SECTIONS 1 INCH = 5 FT.

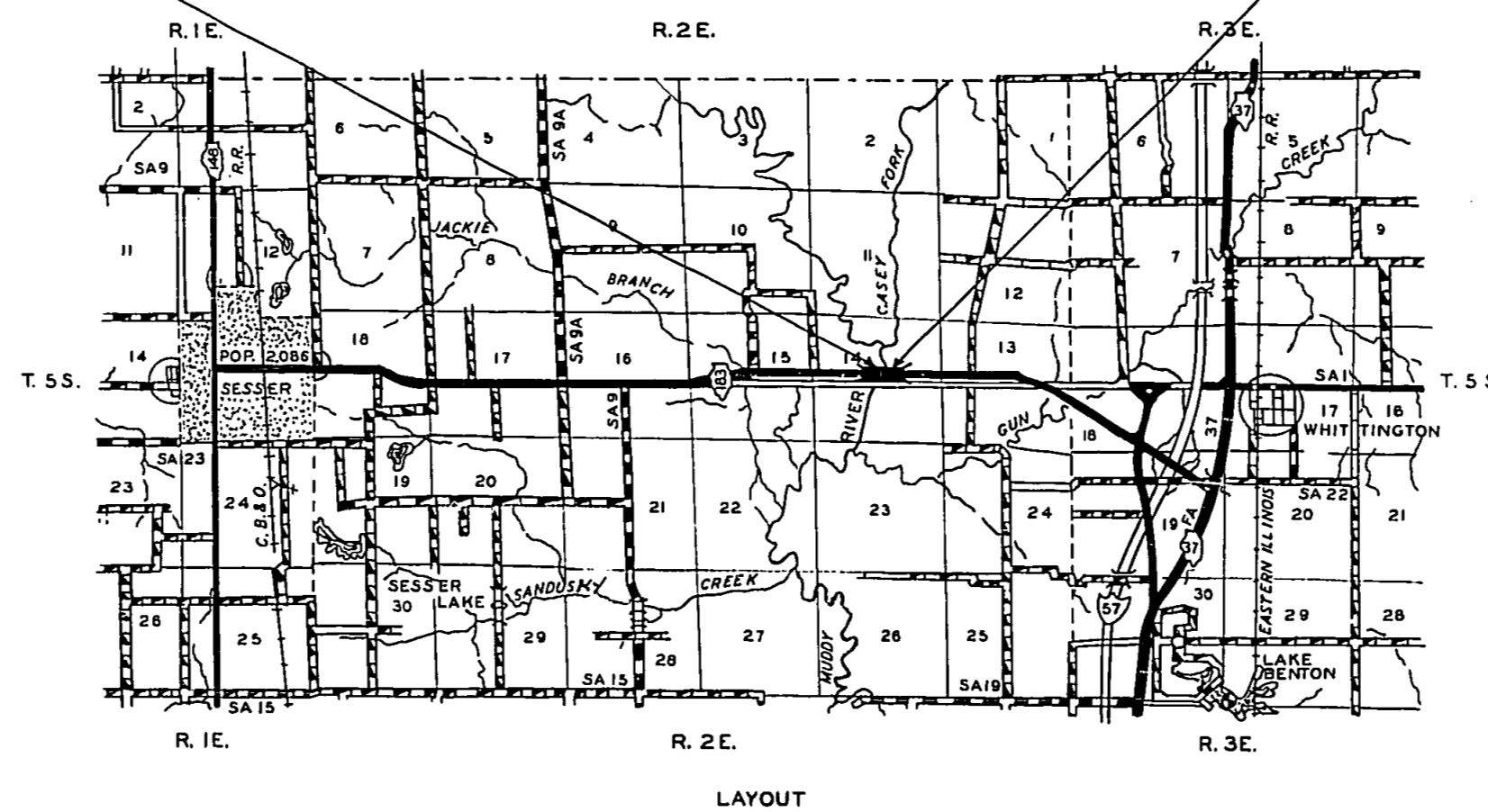
S.B.I. ROUTE 183 SECTION 112 B-2 FRANKLIN COUNTY



INDEX OF SHEETS ON SHEET NO. 3.
 SUMMARY OF QUANTITIES ON SHEET NO. 3.

STA. 277+10
 4 SPAN GIRDER BRIDGE PLUS TWO R.C. APPROACH
 496-10 BK. TO BK. ABUTS. (OVER BIG MUDDY RIVER)

SECTION 112 B-2
 BEGINS STA. 274+62.13
 ENDS STA. 279+57.87



STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS

SUBMITTED: *John J. ...* DISTRICT ENGINEER

EXAMINED: *September 2, 1966* *William ...* CHIEF ENGINEER

PREPARED: *September 2, 1966* *...* ENGINEER OF PLANS AND CONTRACTS

APPROVED: *September 2, 1966* *...* CHIEF ENGINEER

APPROVED: *September 2, 1966* *...* DISTRICT ENGINEER

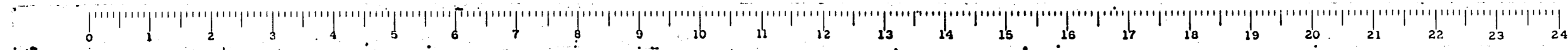
APPROXIMATE SCALE: 1" = 1 MILE

NET LENGTH
495.74 LIN. FT., 0.939 MILES

CONTRACT NO. 24840

FRANKLIN COUNTY SECTION 112 B-2 S. B. I. ROUTE 183

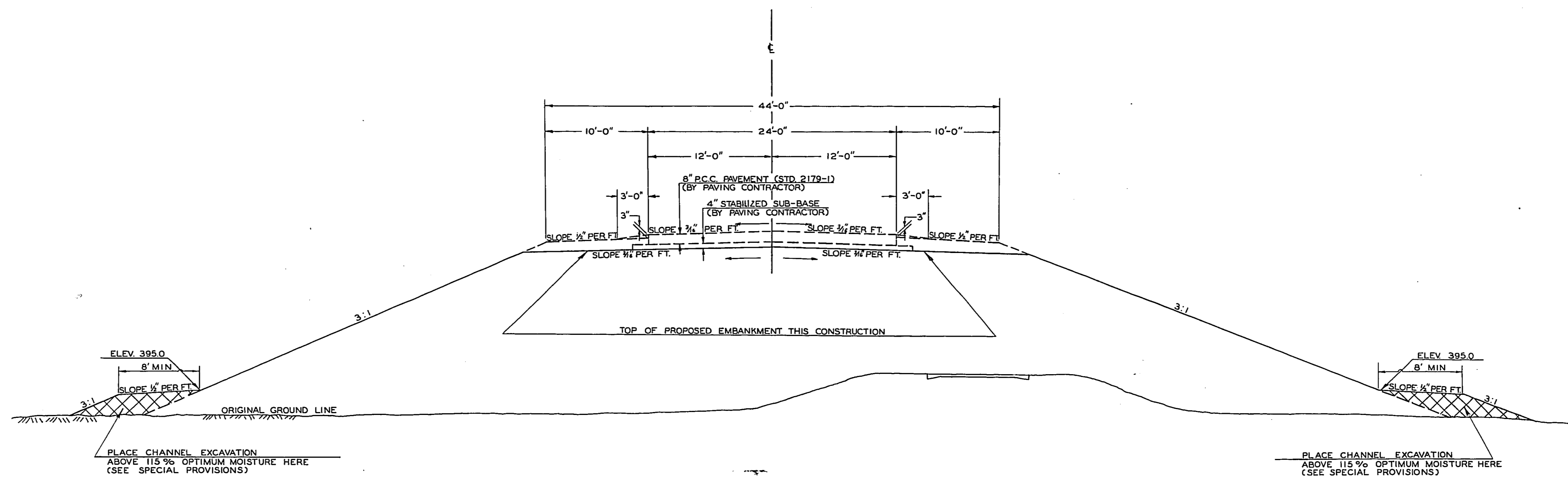
REVISED SET 3/2/67



PROJECT NO.	SECTION	COUNTY	SHEET NO.
S.B.I. 183 112B-2	FRANKLIN	30	2

TYPICAL SECTION OF PROPOSED EMBANKMENT

HIGHWAY CLASSIFICATION 675-M-70

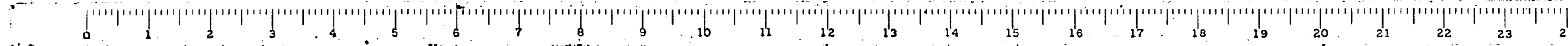


TYPICAL SECTION

S.B.I. ROUTE 183

SECTION 112B-2

FRANKLIN COUNTY



SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	BRIDGE STATION
	<u>LOCATION OF WORK</u>			-277+10-
	<u>CONSTRUCTION TYPE CODE</u>			X031
010005	TREE REMOVAL, ACRES	ACRE	21.4	21.4
011001	EARTH EXCAVATION	CU. YD.	526	526
011018	MUCK REMOVAL	CU. YD.	837	837
012001	CHANNEL EXCAVATION	CU. YD.	13,375	13,375
013001	BORROW EXCAVATION	CU. YD.	143,122	143,122
016003	WATER APPLIED	UNITS	36	36
019011	GRANULAR MATERIAL	CU. YD.	837	837
049001	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
050001	CLASS A EXCAVATION FOR STRUCTURES	CU. YD.	290	290
050002	CLASS B EXCAVATION FOR STRUCTURES	CU. YD.	230	230
052003	CLASS X CONCRETE	CU. YD.	1307.5	1307.5
052021	PROTECTIVE COAT	SQ. YD.	2240	2240
054001	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	410,380	410,380
059001	REINFORCEMENT BARS	POUND	243,760	243,760
060005	FURNISHING CREOSOTED PILES 20.1 TO 38 FEET	LIN. FT.	420	420
060008	DRIVING TIMBER PILES	LIN. FT.	420	420
060024	FURNISHING STEEL PILES 12BP53	LIN. FT.	1440	1440
060026	FURNISHING STEEL PILES 10BP42	LIN. FT.	2404	2404
060027	FURNISHING STEEL PILES 8BP36	LIN. FT.	1472	1472
060033	TEST PILE STEEL 12 BP 53	EACH	2	2
060035	TEST PILE STEEL 10 BP 42	EACH	1	1
060037	DRIVING STEEL PILES	LIN. FT.	5316	5316
061001	NAME PLATES	EACH	1	1
062024	RIP-RAP TYPE A 20"	TON	10,335	10,335
Z00004	ALUMINUM HANDRAIL	LIN. FT.	991	991
Z01023	BRIDGE SEAT SEALANT	LUMP SUM	1	1
Z01379	ENGINEER'S FIELD LABORATORY	EACH	0.5 *	0.5 *
Z01398	ENGINEER'S FIELD OFFICE TYPE A	EACH	0.5 *	0.5 *
O62016	BEDDING MATERIAL	TON	5,115	5,115

* CONSTRUCTION TYPE CODE CE-58

GENERAL NOTES

NO OVERHAUL WILL BE ALLOWED FOR EARTH MOVED FROM ANY SOURCE.

WHEREVER IN THESE PLANS REFERENCE IS MADE TO THE "STANDARD SPECIFICATIONS," IT IS UNDERSTOOD TO INCLUDE THE "SUPPLEMENTAL SPECIFICATIONS," EFFECTIVE JANUARY 3, 1966.

ERECT BARRICADES CLASS I STANDARD 2208-2 AT STATION 251+00 AND STATION 316+50 ON EXISTING RTE. 183.

INDEX OF SHEETS

- 10 COVER SHEET
- 2 TYPICAL SECTION
- 3 SUMMARY OF QUANTITIES, GENERAL NOTES, INDEX OF SHEETS.
- 4 TABULATION OF EARTH WORK
- 5 PLAN-PROFILE SHEET STA. 255+00 TO 285+00
- 6 SPECIAL SHEET - PROPOSED BORROW PIT LOCATIONS
- 7 SPECIAL SHEET - BRIDGE PLAN
- 8-21 BRIDGE PLANS
- 22-26 MAINLINE CROSS SECTIONS
- 27-28 BIG MUDDY CHANNEL CROSS SECTIONS
- 29A, STANDARD 1686-3, STANDARD 2114
- 30A STANDARD 2208-2, STANDARD 2113-1

PREPARED BY: R. D. Wilson
DIST. DESIGN ENGINEER

EXAMINED BY: Donald J. ...
DIST. CONST. ENGINEER

EXAMINED BY: ...
DIST. MAINT. ENGINEER

EXAMINED BY: ...
DIST. TRAFFIC ENGINEER

EXAMINED BY: Frank P. ...
DIST. MATERIALS ENGINEER

EXAMINED BY: J. S. ...
DIST. R.O.W. ENGINEER

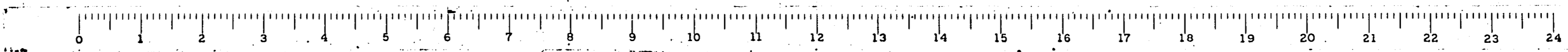
APPROVED: J. ...
DISTRICT ENGINEER

DATE: July 7, 1966

SPECIAL SHEET - SUMMARY OF QUANTITIES; GENERAL NOTES; INDEX OF SHEETS

S.B.I. RTE. 183 SEC. 112 B-2 FRANKLIN COUNTY

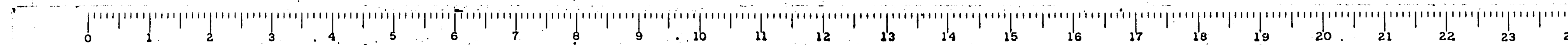
7-28-66 Bedded slope with 25% slope. Rip rap 20" type A. Bedding material. 7-28-66 Bedded slope with 25% slope. Rip rap 20" type A. Bedding material. 7-28-66 Bedded slope with 25% slope. Rip rap 20" type A. Bedding material. 7-28-66 Bedded slope with 25% slope. Rip rap 20" type A. Bedding material. 7-28-66 Bedded slope with 25% slope. Rip rap 20" type A. Bedding material.

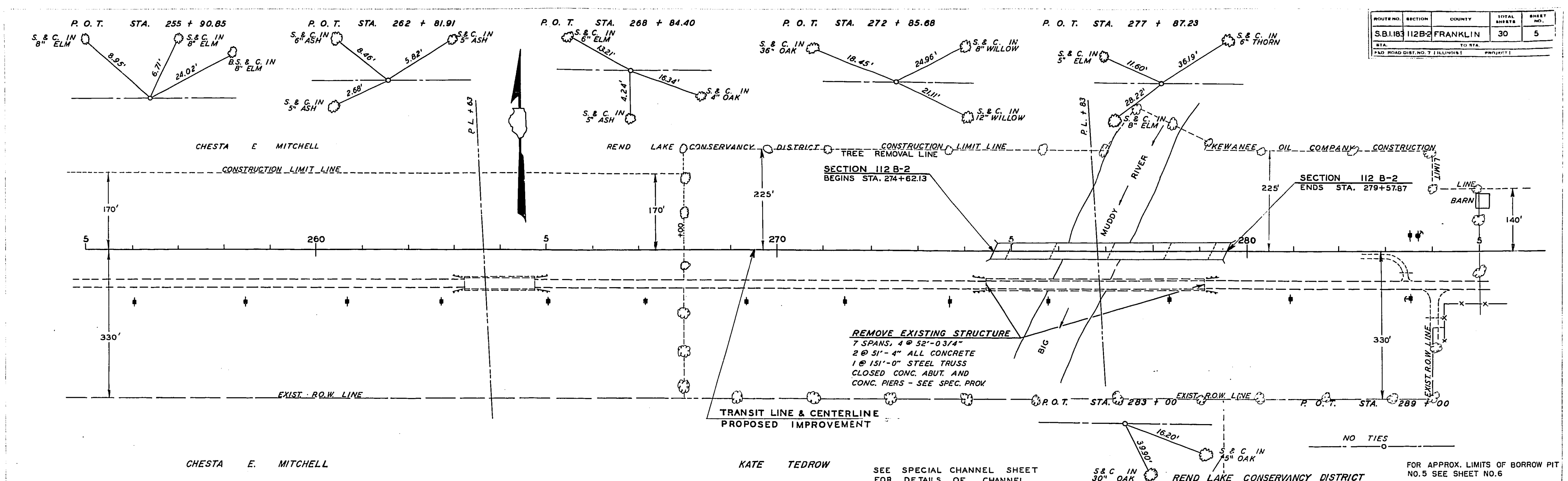


ROUTE NO.	SEC.	COUNTY	SECTION	SHEET NO.
S.B.I. 183	112B-2	FRANKLIN	30	4
FED. ROAD DIST. NO. 7				

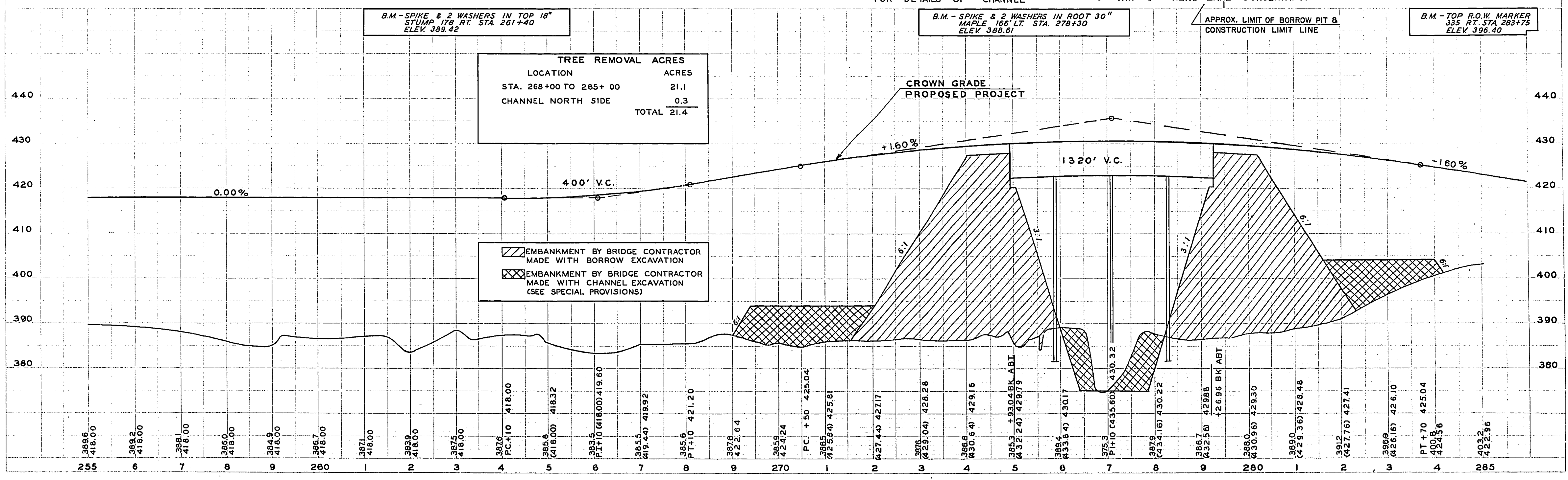
TABULATION OF EARTHWORK

DAL. NO.	DESCRIPTION STATION TO STATION	EMBANKMENT	EARTH EXCAVATION	BORROW EXCAVATION	CHANNEL EXCAVATION	MUCK REMOVAL	REMARKS
1	WEST BRIDGE CONE STA. 271 + 56 TO STA. 276 + 00	63,674		75,135		837	837 CU. YD. OF MUCK REMOVAL TO BE WASTED (SEE SPECIAL PROVISIONS)
2	EAST BRIDGE CONE STA. 278 + 20 TO STA. 282 + 26	57,616		67,987			
3	EAST DITCH EXCAVATION LT. STA. 278 + 00 TO LT. STA. 284 + 00	381	526				PLACE IN CORE OF FUTURE EAST EMB.
4	WEST CHANNEL EXCAVATION ABOVE ELEV. 380.0	3508			4245		PLACE IN CORE OF FUTURE WEST EMB. (SEE SPECIAL PROVISIONS)
5	WEST CHANNEL EXCAVATION BELOW ELEV. 380.0	937			2359		1162 CU. YD. TO WEST BERMS. 1197 CU. YD. WASTE (SEE SPECIAL PROVISIONS)
6	EAST CHANNEL EXCAVATION ABOVE ELEV. 380.0	3526			4267		PLACE IN CORE OF FUTURE EAST EMB. (SEE SPECIAL PROVISIONS)
7	EAST CHANNEL EXCAVATION BELOW ELEV. 380.0	526			2504		652 CU. YD. TO EAST BERMS 1852 CU. YD. WASTE (SEE SPECIAL PROVISIONS)
TOTAL			526	143,122	13,375	837	





ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 183	112 B-2	FRANKLIN	30	5
STA.		TO STA.		
255+00		285+00		
TAD ROAD DIST. NO. 7 (ILLINOIS) PROJECT I				



B.M. - SPIKE & 2 WASHERS IN TOP 18" STUMP 179 RT. STA. 261+40 ELEV. 399.42

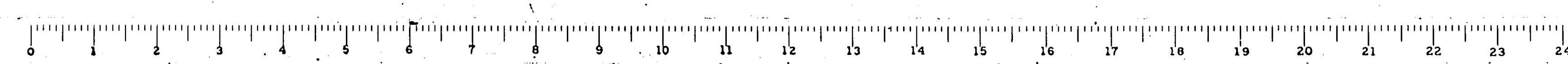
B.M. - SPIKE & 2 WASHERS IN ROOT 30" MAPLE 166 LT. STA. 278+30 ELEV. 388.81

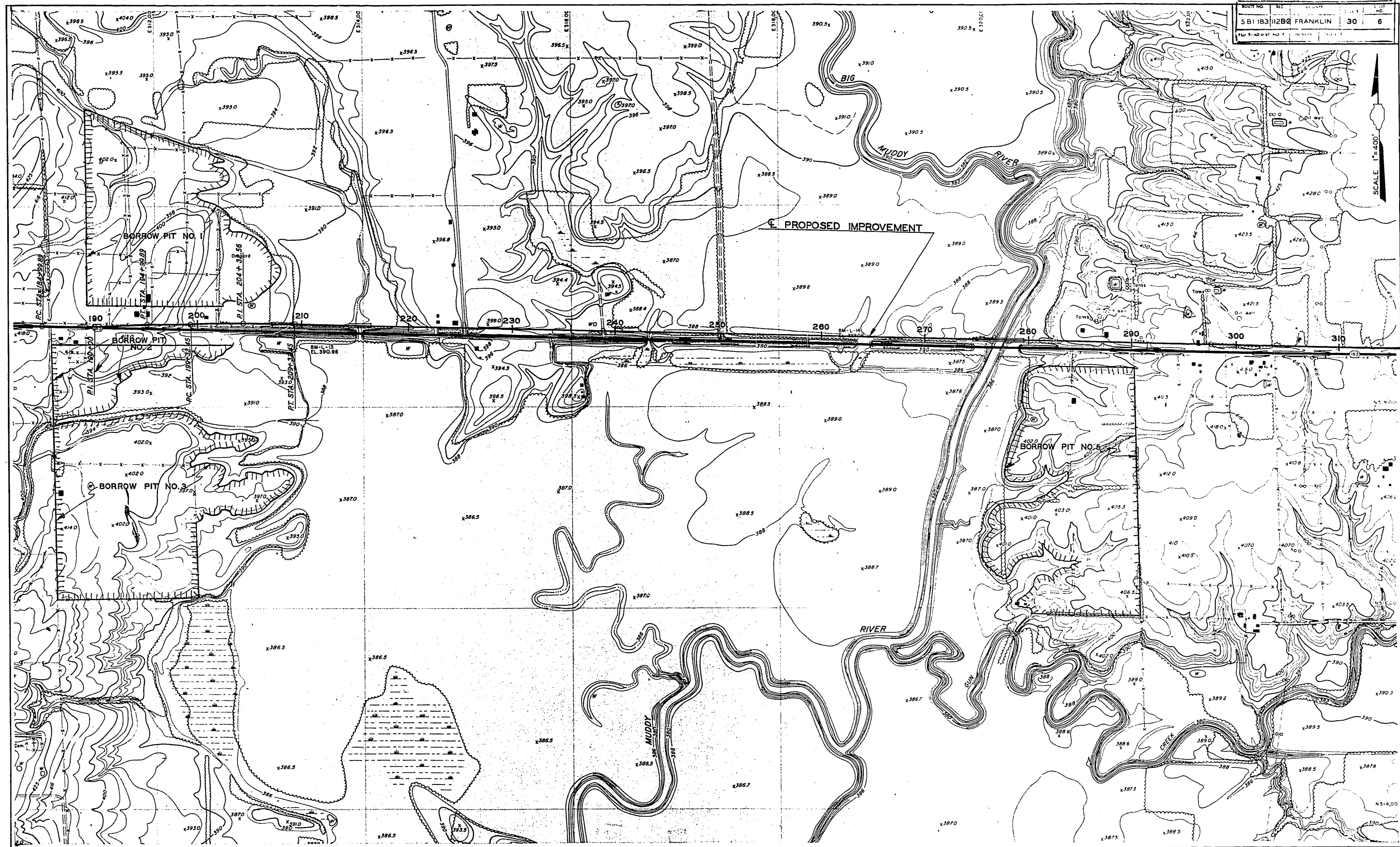
B.M. - TOP R.O.W. MARKER 335 RT. STA. 283+75 ELEV. 396.40

TREE REMOVAL ACRES	
LOCATION	ACRES
STA. 268+00 TO 285+00	21.1
CHANNEL NORTH SIDE	0.3
TOTAL	21.4

EMBANKMENT BY BRIDGE CONTRACTOR MADE WITH BORROW EXCAVATION
 EMBANKMENT BY BRIDGE CONTRACTOR MADE WITH CHANNEL EXCAVATION (SEE SPECIAL PROVISIONS)

PLATE 1 - PLAN PROFILE & P.A. STATION
 S.B.I. RTE. 183 SEC. 112 B-2 FRANKLIN COUNTY STA. 255 + 00 TO STA. 285 + 00
 DATE: 11/16/11

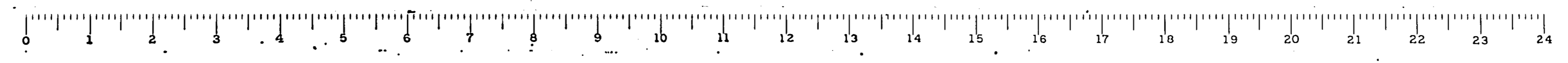




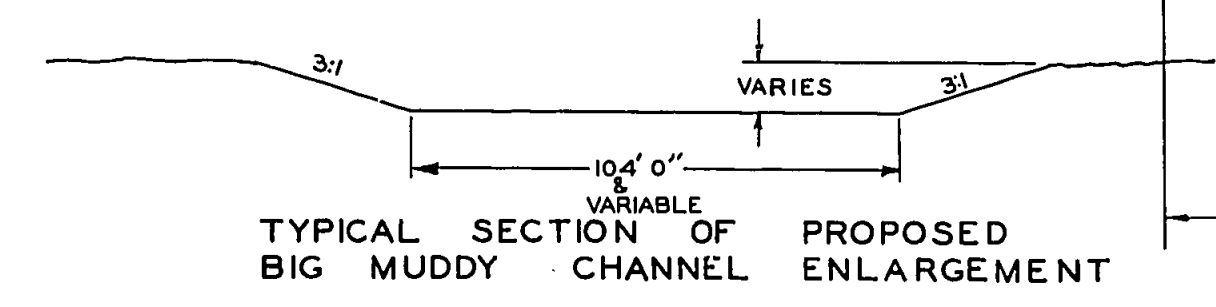
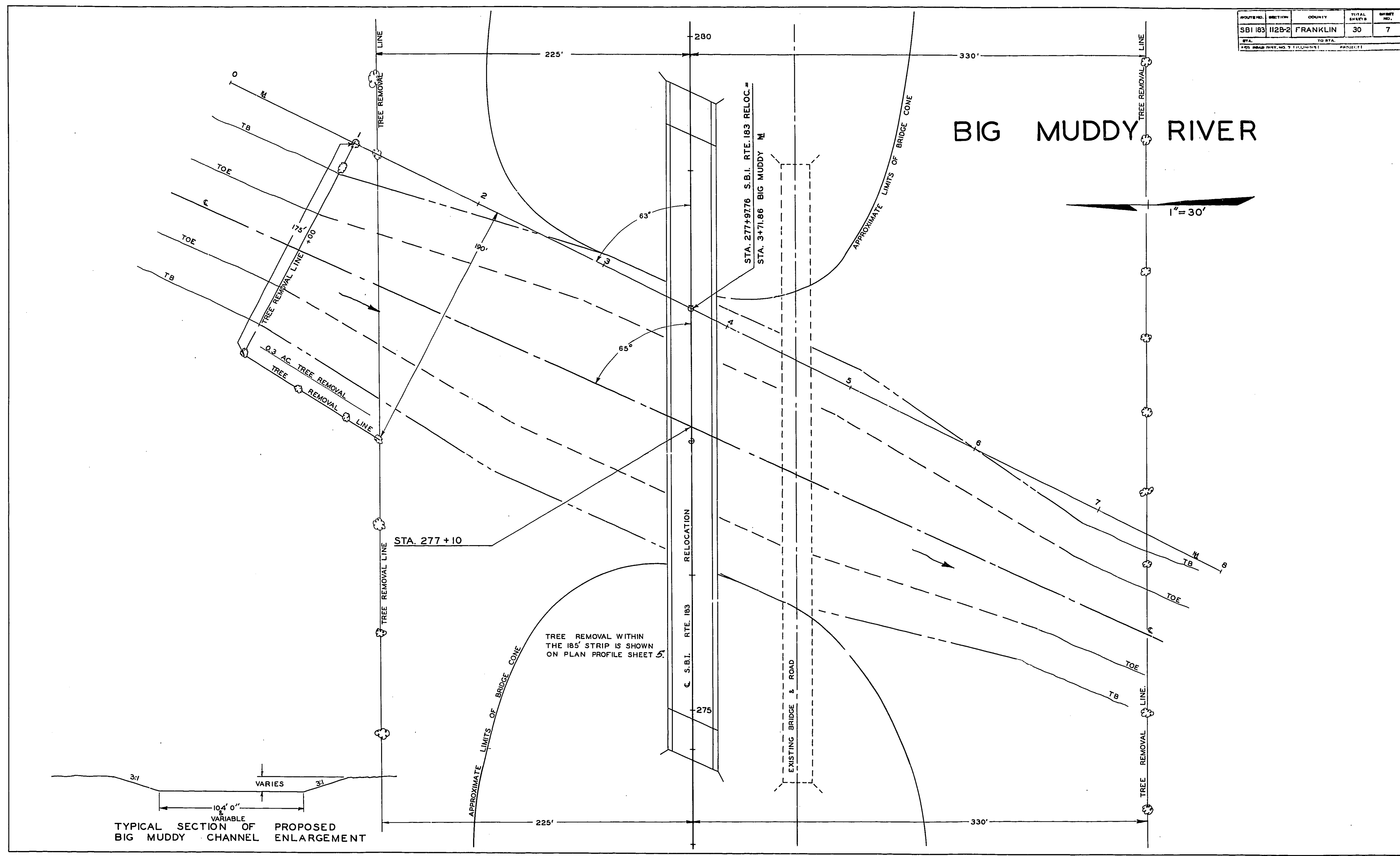
SPECIAL SHEET - PROPOSED BORROW PITS NO. 1, 2, 3, 4 & 5

S.B.I. RTE. 183 SECTION 112B-2 FRANKLIN COUNTY

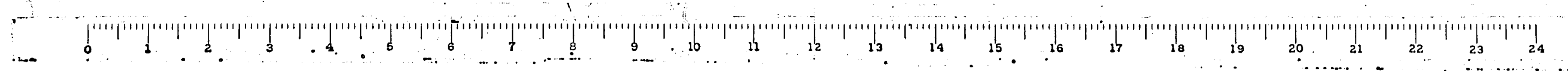
*Rev. N. 10.00 deleted. Deleted borrow pit #4 changed
The limits for borrow pits 1, 2, 3 & 5 as per C. of Eng. letter.*



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 183	112B-2	FRANKLIN	30	7
DATE		TO DATE	PROJECT	



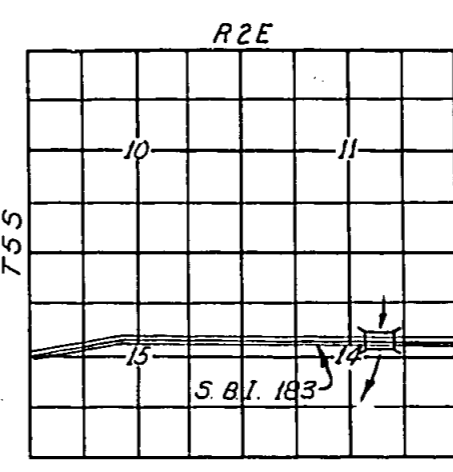
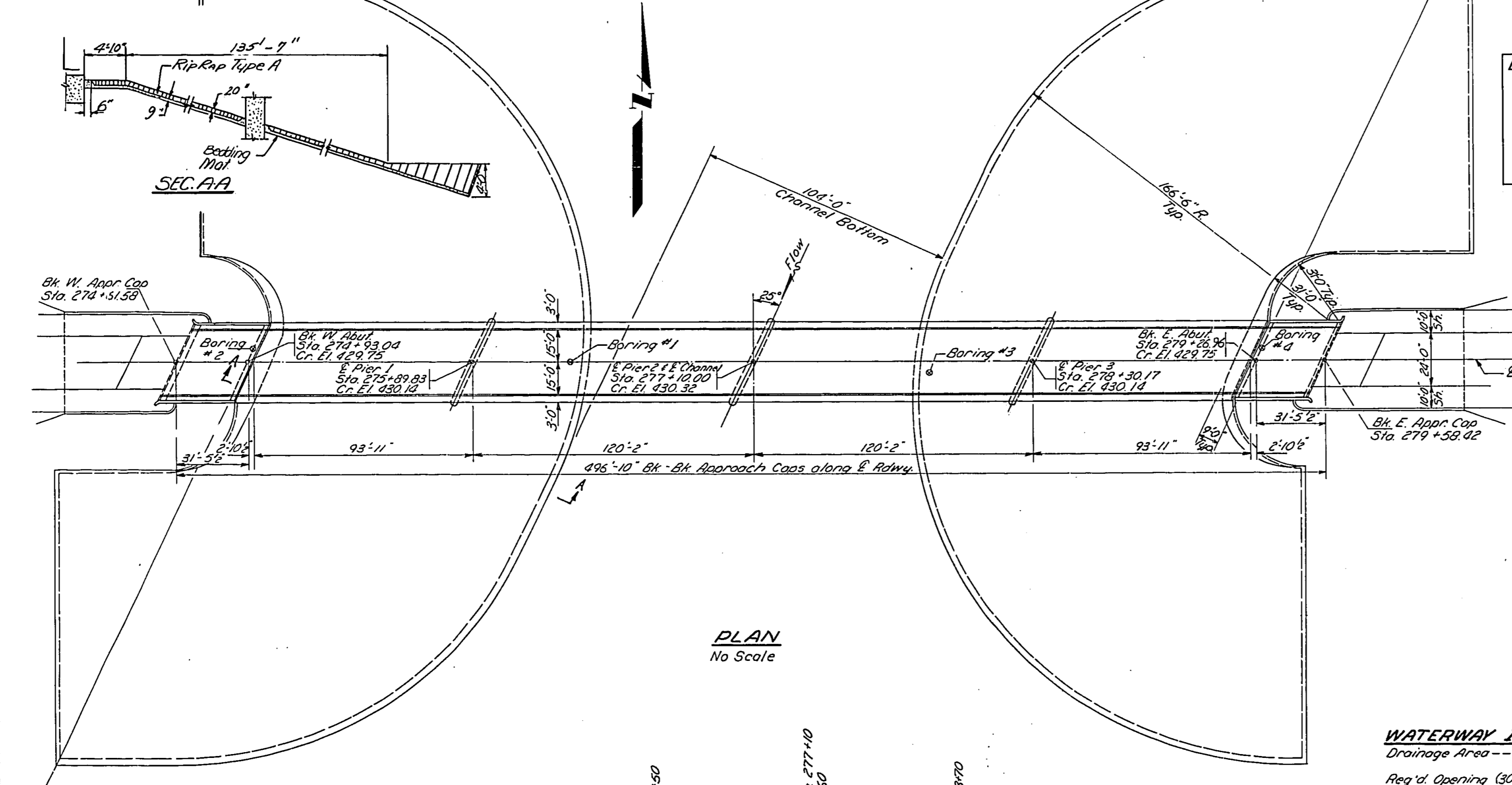
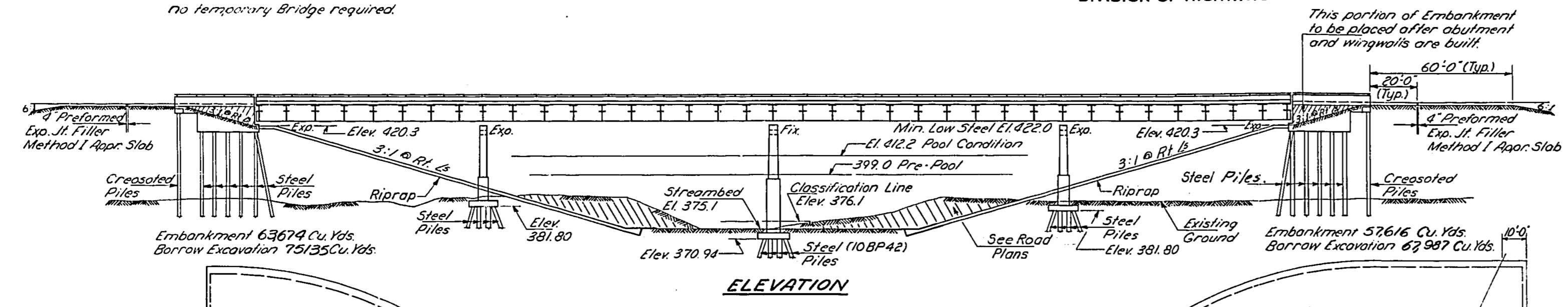
S.B.I. RTE. 183 SEC. 112B-2 FRANKLIN CO.



B.M. Top R.O.W. Marker 335' Rt Sta. 283+75 El. 396.40
 Existing Structure: 7 Spans, 4 @ 52'-0" & 2 @ 51'-4" Conc.
 18' 12" 0" Steel Truss, Closed Conc. Abutts and Conc. Piers
 No temporary Bridge required.

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
183	112B-2	FRANKLIN	30	8	14 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT			



BRIDGE R.A. 29 STATION 277+10
 STATE OF ILLINOIS
 S.B.I. RT. 183 - SEC. 112B-2
 U.S. ARMY
 CORPS OF ENGINEERS
 ST. LOUIS DISTRICT
 BUILT 196 HS 20

NAME PLATE
 (See Standard 2113-1 except as noted)

GENERAL NOTES

Coarse aggregate to be used in the concrete for parapet handrails and end posts must be free of chert flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

Class X Concrete shall be used thru-out.

All reinforcement bars shall be rapped 20 diameters unless otherwise shown.

All structural steel shall conform to A.S.T.M. Specifications Designation A-36.

Rivets 8" & Open Holes 1/4" unless otherwise noted.

Anchor bolts shall be set before raveling floor beams over supports.

All bolsters, rockers, bearing plates, lead plates and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel. Est. Wt. 153,140 Lbs.

The exposed surfaces of the expansion guards shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.

Expansion guards are included in the quantity of Structural Steel. Est. Wt. = 1,490 Lbs.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 56.1 to 56.3 inclusive of the Standard Specifications.

The Contractor shall drive one steel test pile in a permanent location at each abutment and pier 2 as directed by the Engineer before ordering the remainder of piles.

Permanent forms will not be permitted in forming the concrete floor.

Excavation for portions of structures in the embankments shall not be classified.

For stone riprap protection of slope see "special provisions"

Layout of riprap may be varied to suit ground conditions in the field as directed by the Engineer.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Borrow Excavation	Cu Yds		143,122	143,122
Class A Excav. for Structure	Cu Yds		290	290
Class B Excav. for Structure	Cu Yds		230	230
Class X Concrete	Cu Yds	637.8	6697	13075
Structural Steel	Lbs	410,380		410,380
Aluminum Handrail	Lin. Ft.	991		991
Reinforcement Bars	Lbs	18,6420	57,340	243,760
Crossed Piles	Lin. Ft.		450	450
Steel Piles (8 BP-36)	Lin. Ft.		1472	1472
Steel Piles (10 BP-42)	Lin. Ft.		2000	2000
Steel Piles (12 BP-48)	Lin. Ft.		1440	1440
Test Piles Steel (10 BP-42)	Each		1	1
Test Piles Steel (12 BP-48)	Each		2	2
Name Plate	Each		1	1
Bedding Material	Tons			5,115
Protective Coal	Sq Yds	2240		2240
Bridge Seal Sealant	Lump Sum			1
Rip-rap Type A 30"	Tons			10,935

WATERWAY INFORMATION

Drainage Area ----- 261,780 Acres

Req'd Opening (30 in. Fl.) (below El. 412.2) 5300 Sq. Ft.
 (below El. 399.0) 4000 Sq. Ft.

Proposed Opening ----- (below El. 412.2) 7700 Sq. Ft.
 (below El. 399.0) 4000 Sq. Ft.

DESIGN STRESSES

f_c = 1400 psi Super & Sub
 f_c = 1800 psi Appro. Slab
 f_c = 75 psi Flgs
 f_s = 20,000 psi Reinf.
 f_s = 27,000 psi Reinf. (Appro. Slab)
 f_s = 20,000 psi Struct.
 n = 10

GENERAL PLAN & ELEVATION

ONS MUDDY RIVER
 S. B. I. RT. 183 - SEC. 112B-2
 FRANKLIN COUNTY
 STA. 277+10

DESIGNED *Walter Perry*
 CHECKED *R. Kowick*
 DRAWN *W.P.L. Worless*
 CHECKED *R.K.*

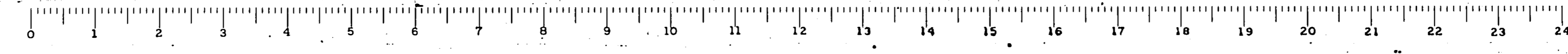
EXAMINED *W. Baumann*
 PASSED
 APPROVED

Dec. 11 1963

V.C. DATA - S. B. I. 183

Rev. 2-23-66 J.B.N. Replaced Slope wall with Riprap, revised Name Pl. Rev. 7-25-66 J.B.N. Removed Riprap 13610 Sq Yds. Added Riprap Type A 10" 9990 Tons & Bedding Material 3410 Tons. Rev. Borrow Excav from 191,410 to 143,122 cu yds.

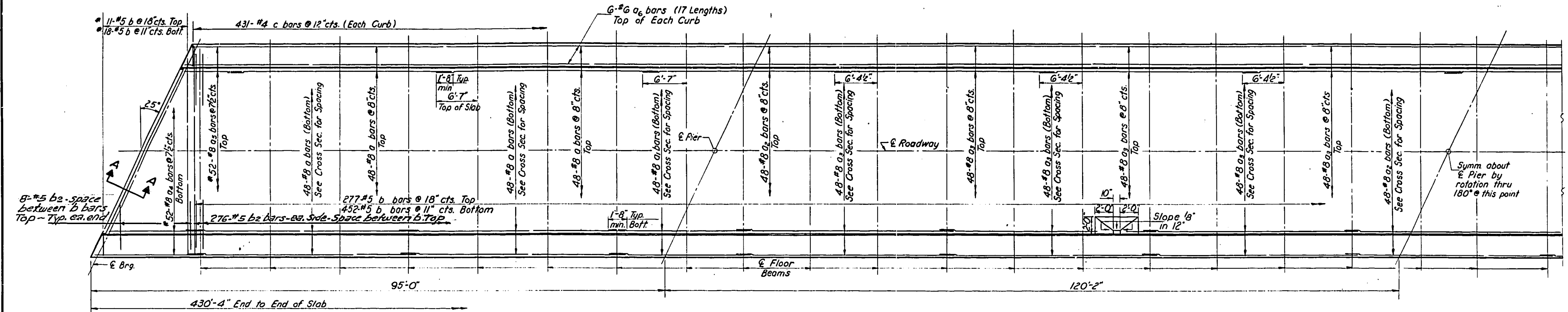
W.L. Submit note - upper left corner. 7-27-66 Revised Section Sketched. Rivets bolts not included. Total from 25" x 4" 1" to 1/4" x 3/4" from 2,840 to 10,935 tons.



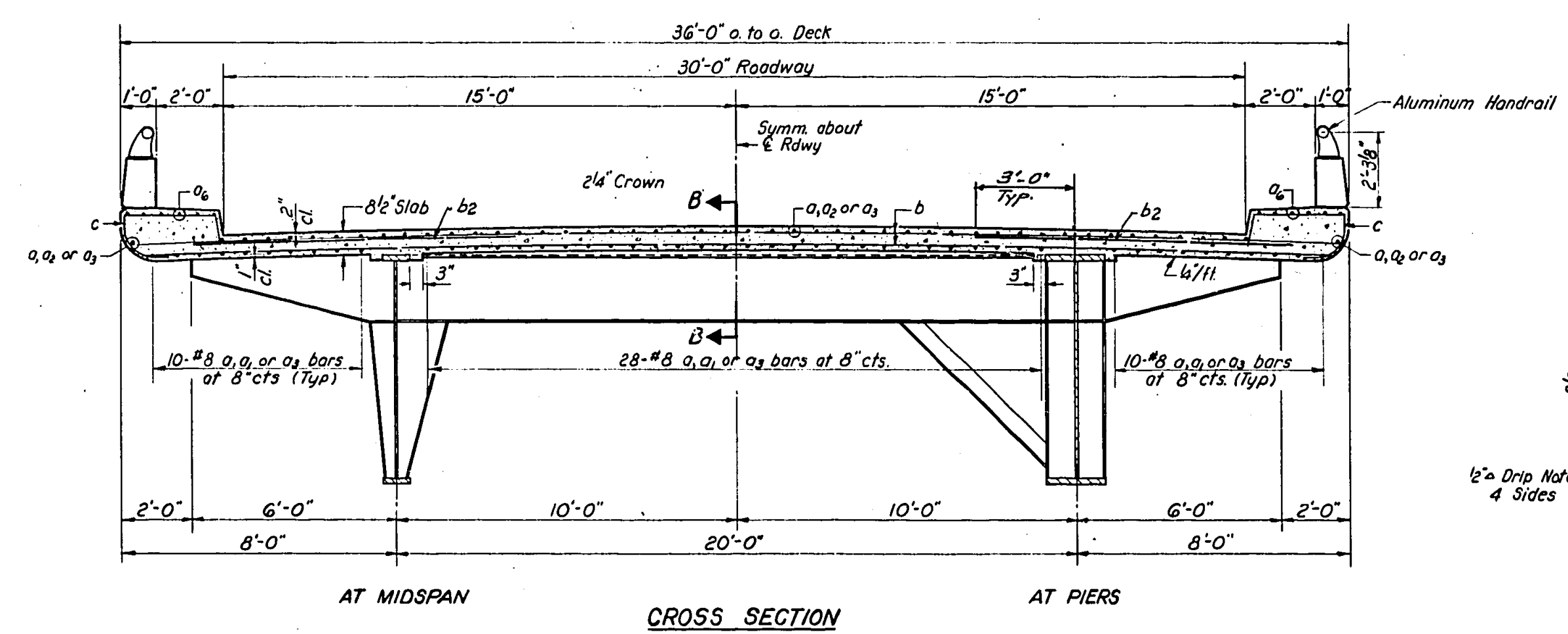
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
112 B-2	FRANKLIN	30	9	14 SHEETS

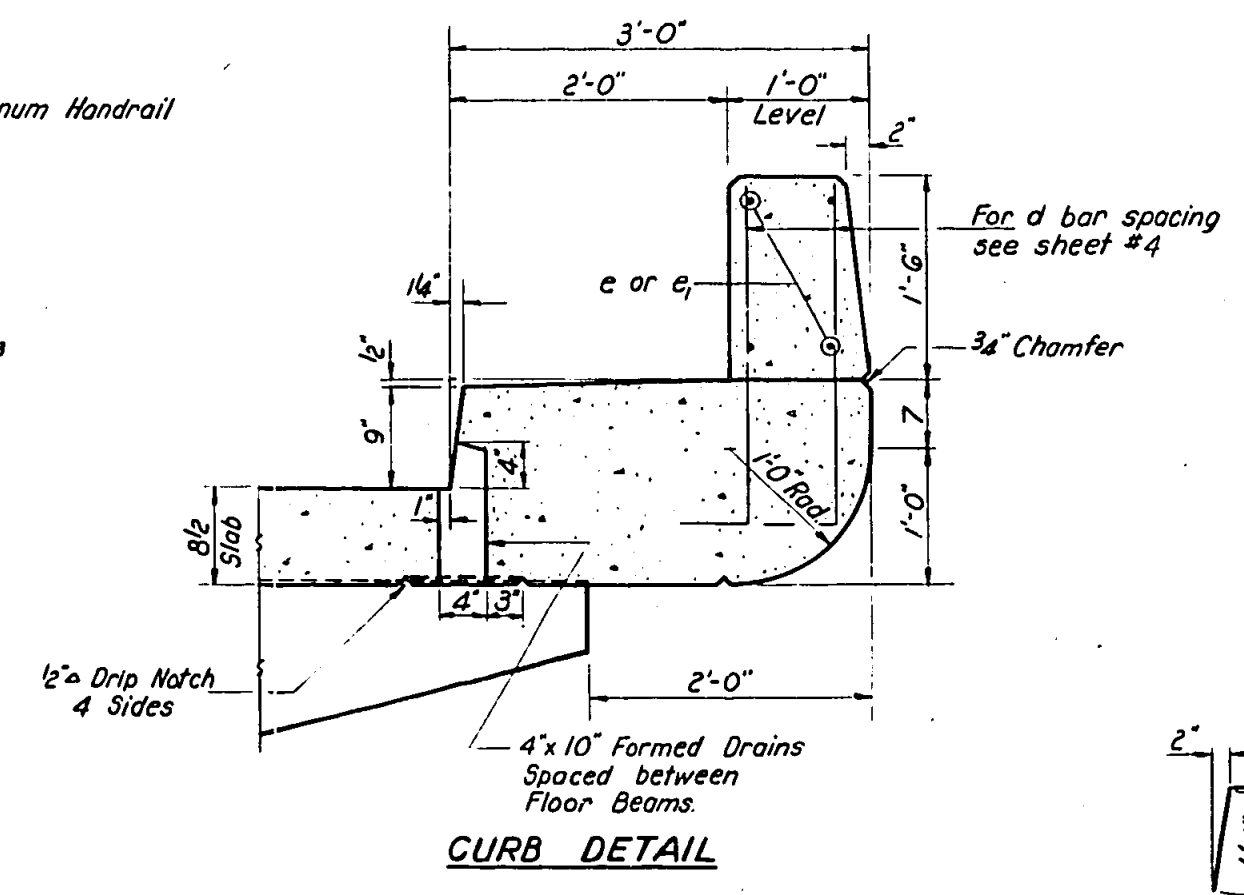
*Note: Cut a_4, a_5 & b bars to fit shew and use remainder of bars in opposite end.



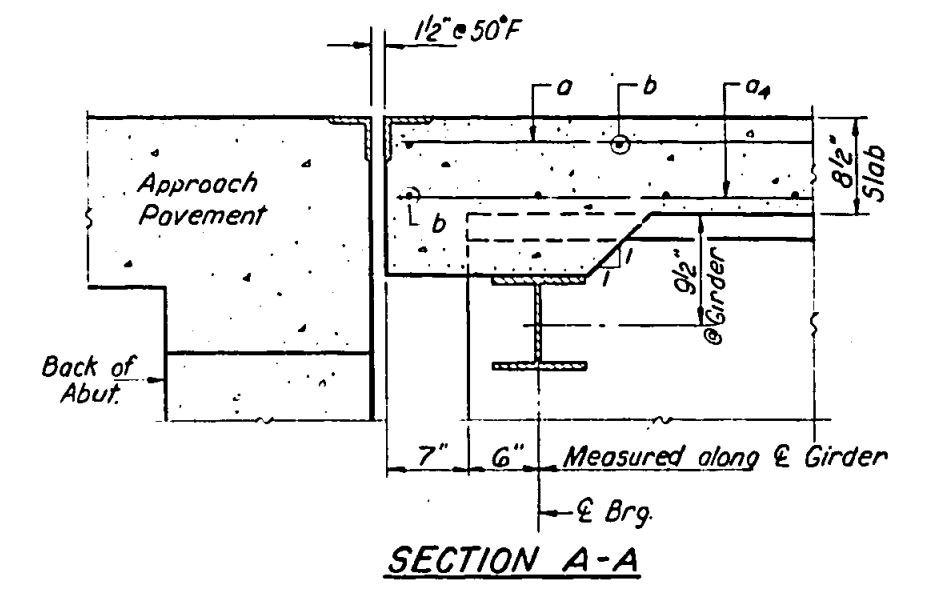
HALF PLAN



AT MIDSPAN
CROSS SECTION
AT PIERS



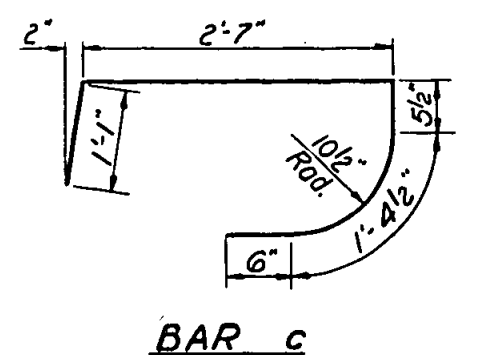
CURB DETAIL



SECTION A-A

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	384	#8	36'-2"	
a1	96	#8	22'-6"	
a2	144	#8	33'-6"	
a3	576	#8	35'-0"	
a4	52	#8	17'-9"	
a5	52	#8	23'-6"	
a6	204	#6	26'-6"	
b	758	#5	35'-3"	
b2	568	#5	9'-0"	
c	862	#4	6'-0"	
Reinforcement Bars		Lbs.	167,550	
Class X Concrete		Cu Yds.	532.8	
Structural Steel		Lbs.	410,380	
Aluminum Handrail		Lm. Ft.	991	

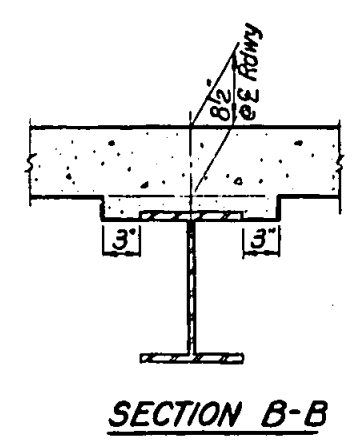


BAR c

DESIGNED *Walter Perry*
CHECKED *R. K. Kuest*
DRAWN *J. L. Armstrong*
CHECKED *C. L.*

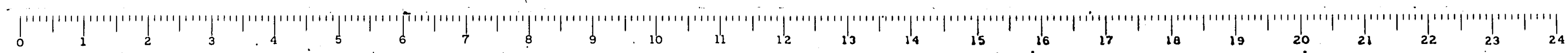
EXAMINED *W. B. Baumann*
PASSED *[Signature]*
APPROVED *[Signature]*

Dec. 11, 1963



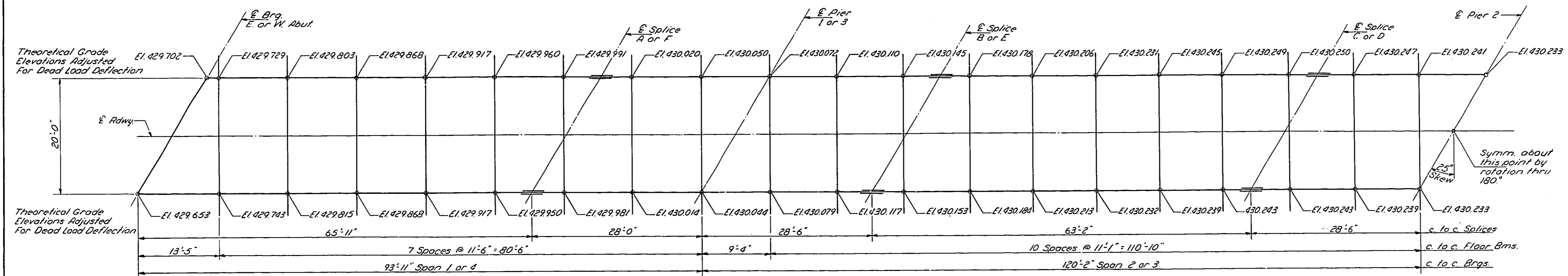
SECTION B-B

SUPERSTRUCTURE
S.B.I. RT. 183 SEC. 112 B-2
FRANKLIN COUNTY
STA. 277+10

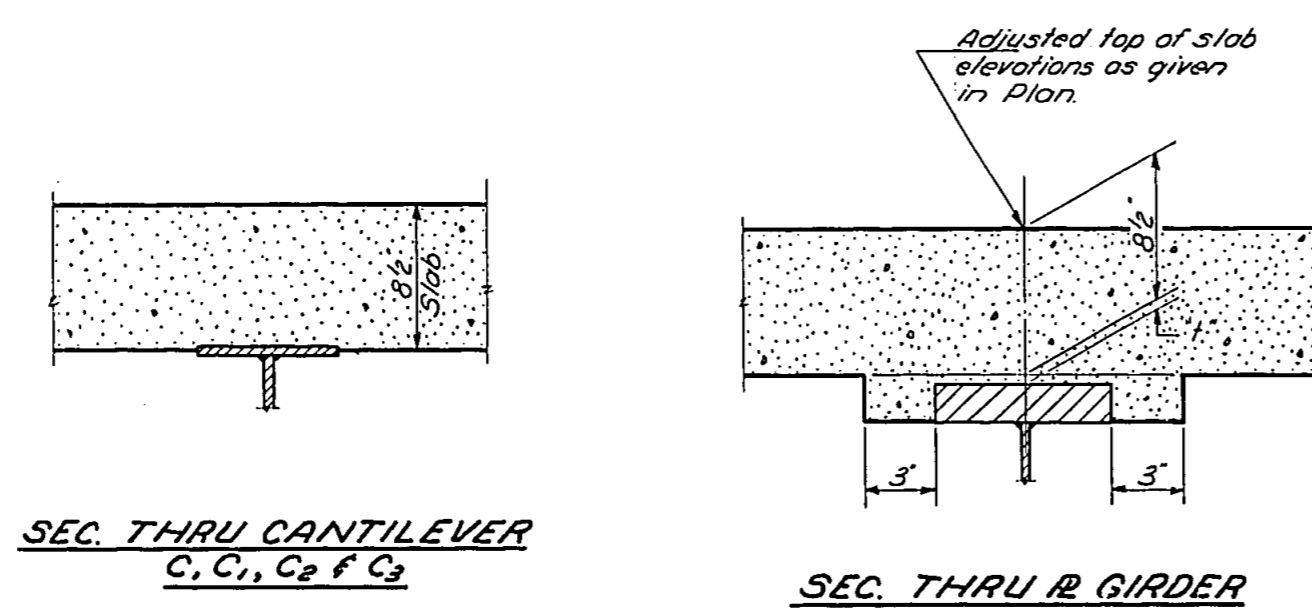


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
S. B. I. RT. 183	112 B-2	FRANKLIN	30	10	14 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



PLAN

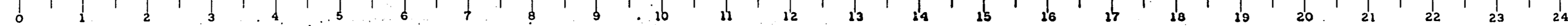


METHOD OF DETERMINING FILLET HEIGHTS "f"

After all Structural Steel has been erected, elevations of the top flanges of the girders shall be taken at the stations shown in the Plan. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for dead load deflection" shown in the Plan, minus floor thickness equals the fillet heights above top of girders.

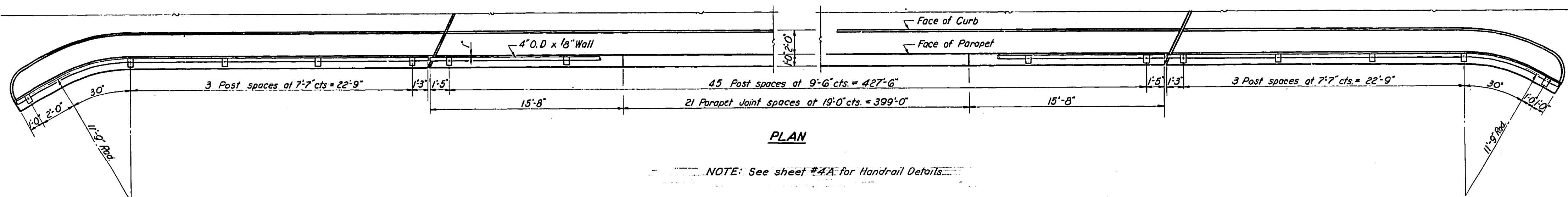
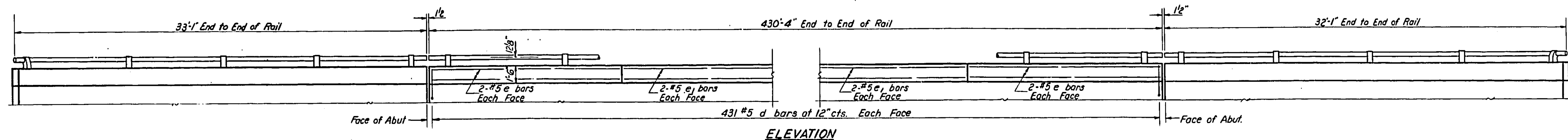
DESIGNED	Walter Perry	EXAMINED	Dec. 11 1943
CHECKED	D. W. Hunt	PASSED	[Signature]
DRAWN	L. Wanless	APPROVED	[Signature]
CHECKED	RK		

SLAB ELEVATIONS
S. B. I. RT. 183 - SEC. 112B-2
FRANKLIN COUNTY
STA. 277+10

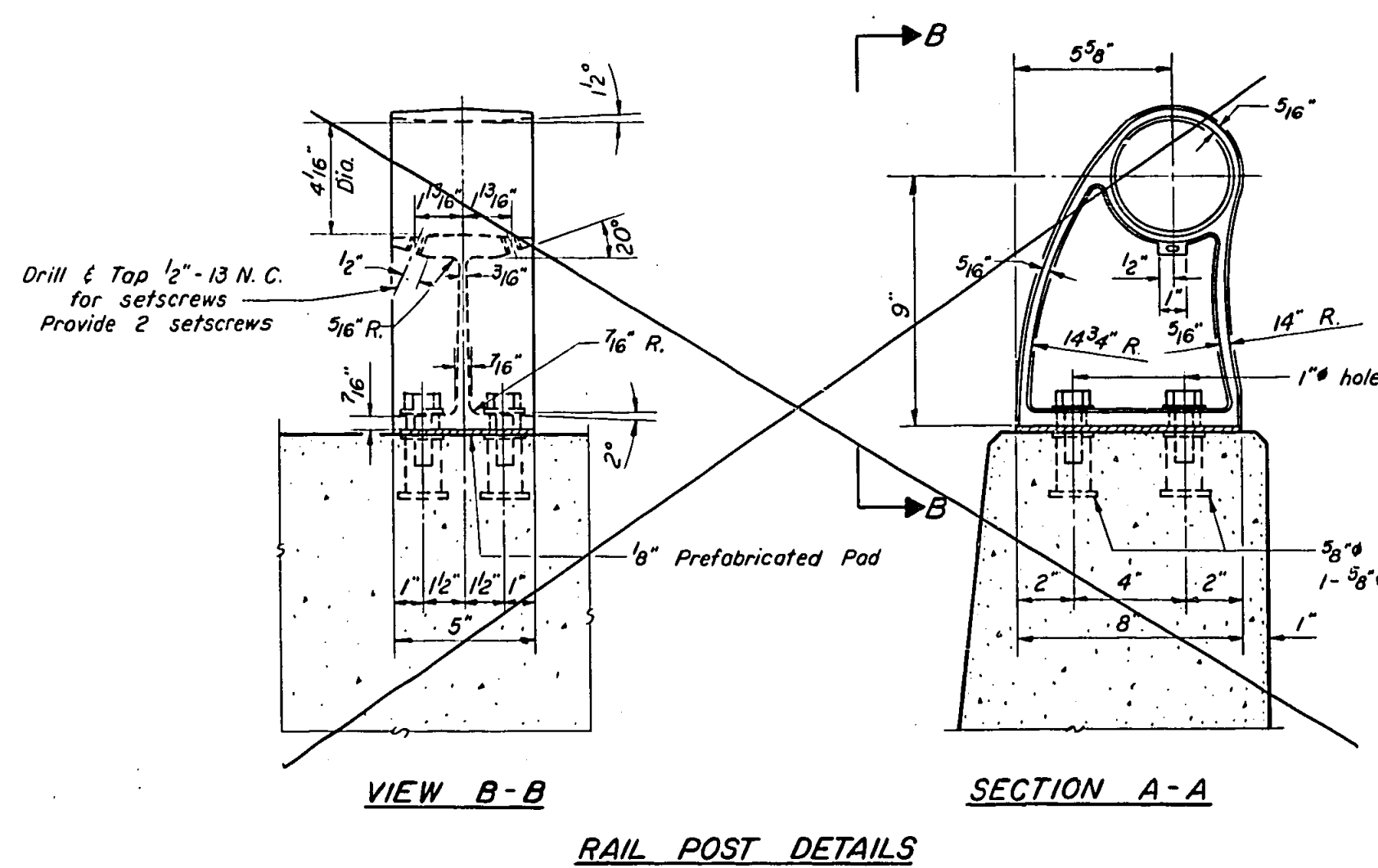


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
S. 183	112B-2	FRANKLIN	30	11	14 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

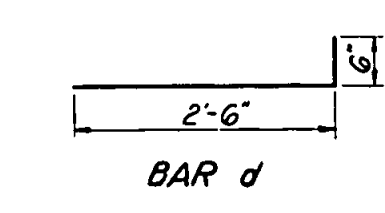
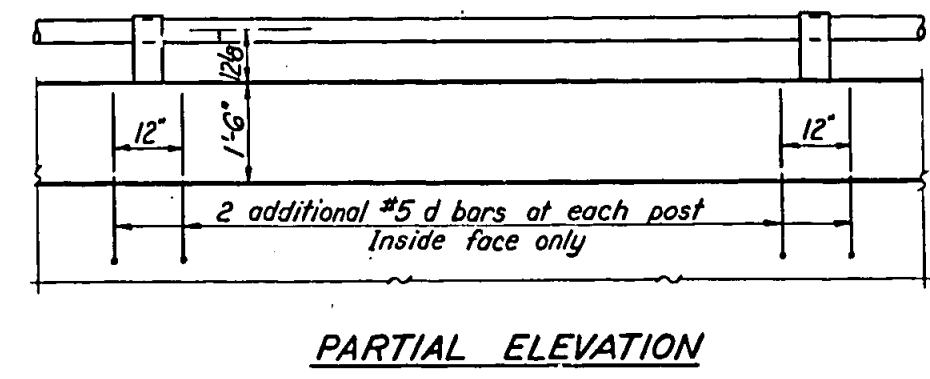


NOTE: See sheet #4A for Handrail Details.



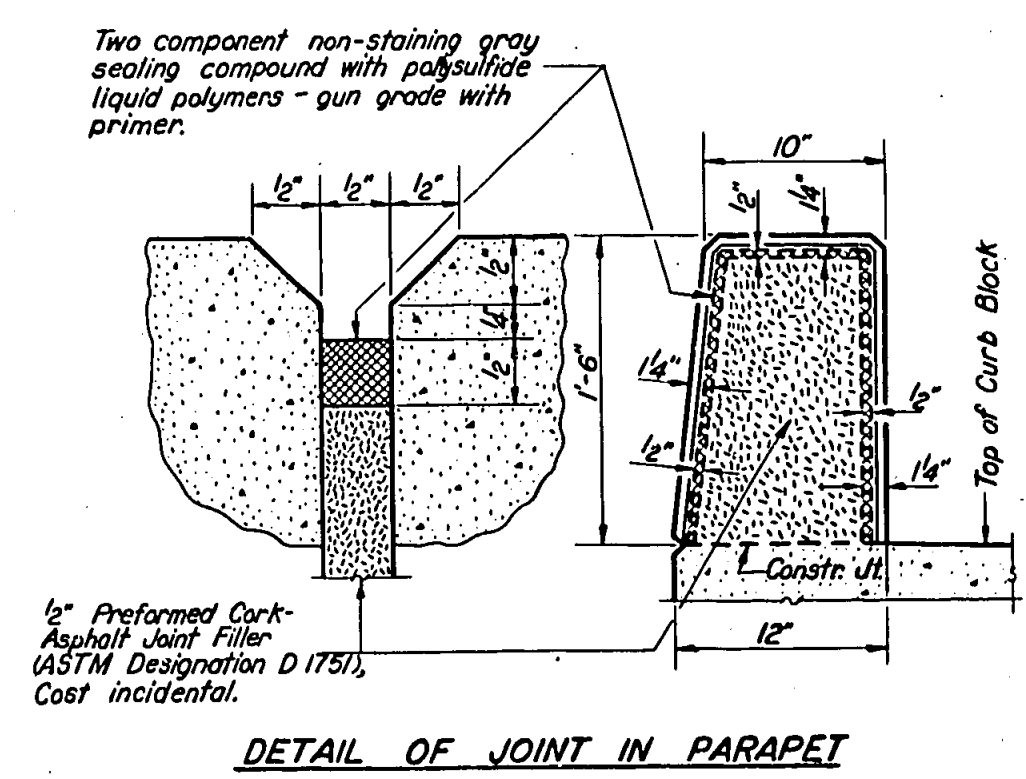
CAST END CAP
DRIVE FIT TYPE
1/2" Required
Incidental to item "Aluminum Handrail"

NOTES
All Posts shall be placed normal to parapet
All Posts shall be of Aluminum conforming to ASTM Specification B-108 alloy 56-70B T6.
All Rail Tubing shall be of Aluminum conforming to ASTM Specification B-235 alloy 6061-T6.
Aluminum handrail shall be measured in lineal feet. The length paid for shall be the overall length along the top longitudinal railing member through all post and gaps. Rail Tubing may be cut to random lengths.
For material composition of Prefabricated Pad, See Art. 54.9 (f), (Bearings and Anchorage), of the Std. Specs.
Set Screws shall be of Aluminum conforming to ASTM Specification B-211 alloy 2024-T4.
Aluminum handrail will be paid for at the contract unit price per lineal foot for ALUMINUM HANDRAIL, measured as specified, which price shall be payment in full for all materials, fabrication, transportation and erection.



BAR LIST

Bar	No.	Size	Length	Shape
e	16	#5	15'-5"	
g	168	#5	18'-9"	
d	190B	#5	3'-0"	



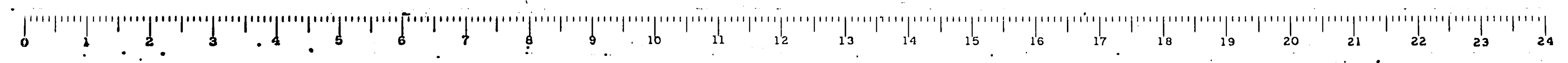
DESIGNED *Walter Perry*
CHECKED *R. Kowal*
DRAWN *J. L. Armstrong*
CHECKED *RK*

EXAMINED *W. Baumann*
PASSED *E. J. Schmitt*
APPROVED *J. L. Armstrong*

Dec. 11, 1963

ALUMINUM HANDRAIL
HANDRAIL LAYOUT
S.B.I. RT.183 SEC. 112B-2
FRANKLIN COUNTY
STA. 277+10

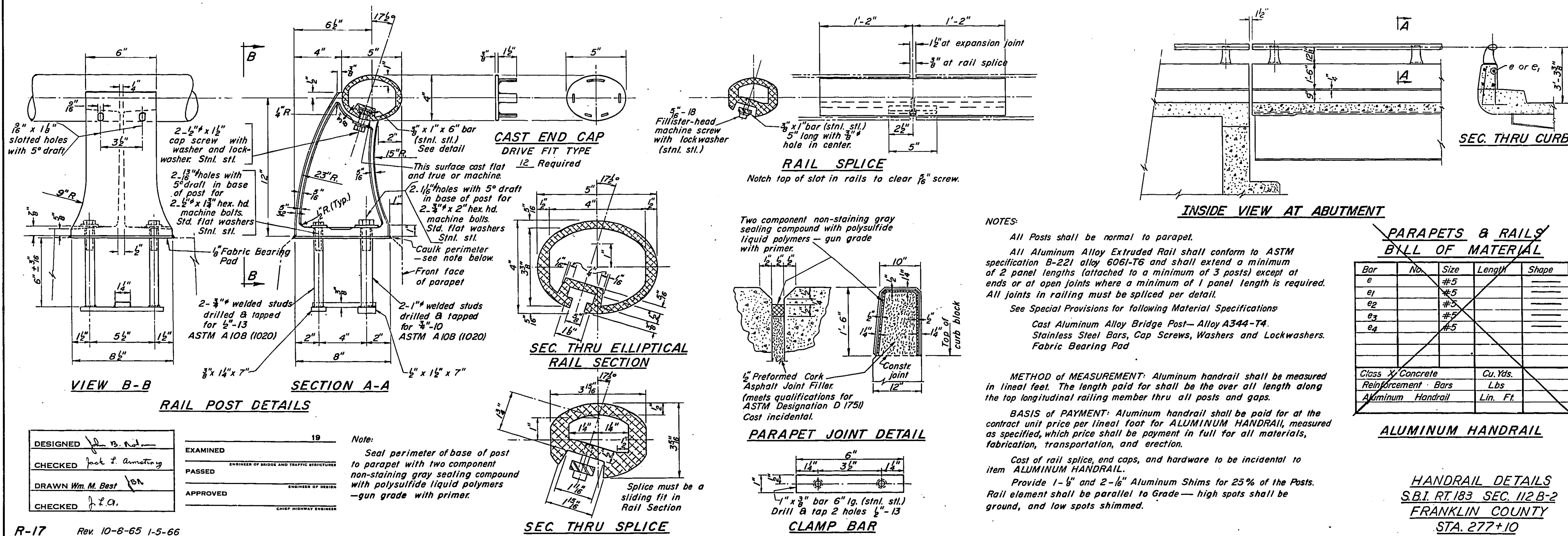
Rev. 2-24-66 J.B.N. Railing details replaced.



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

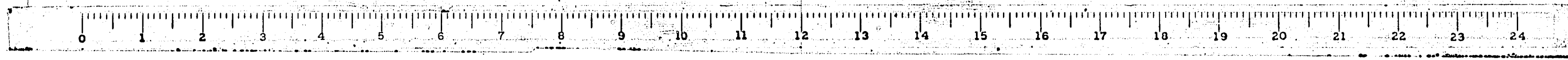
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 A
S.B. 1183	112 B-2	FRANKLIN	30	11A	14 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

NOTE: For Handrail Layout see sheet #4.



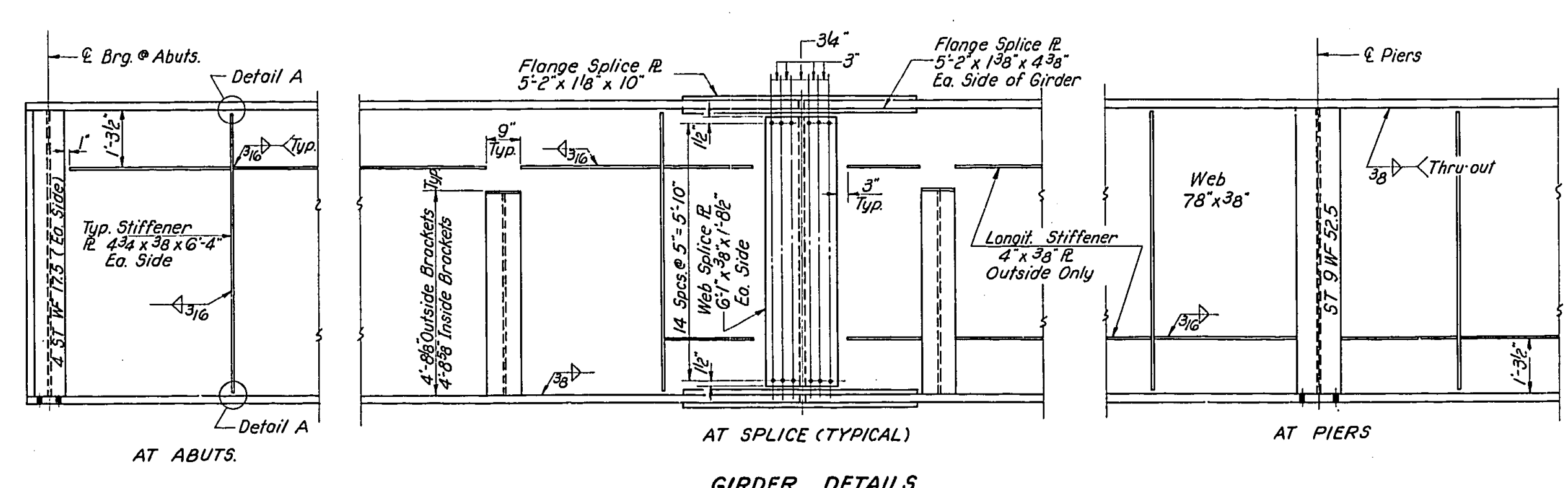
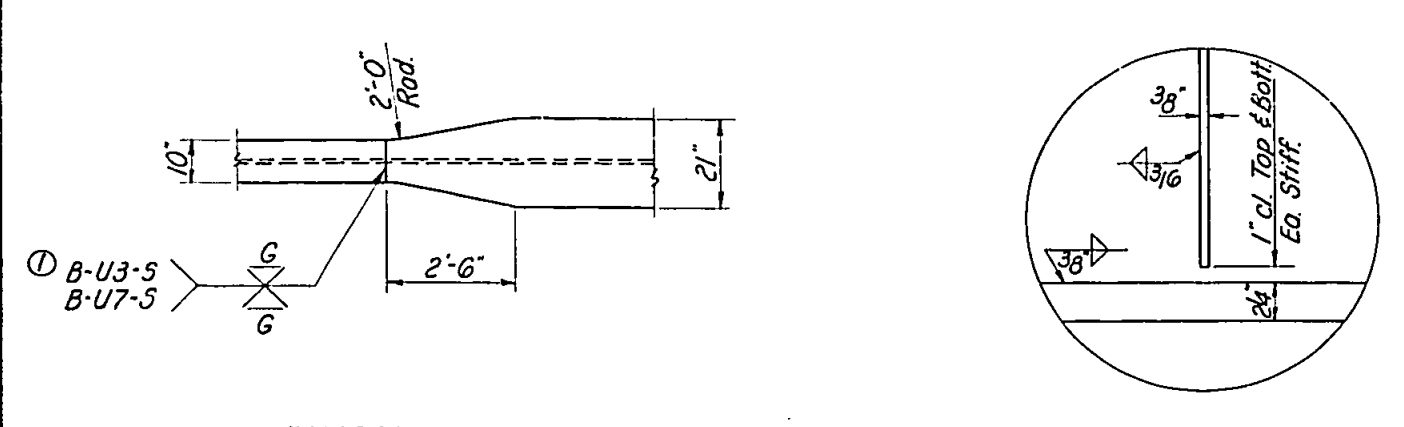
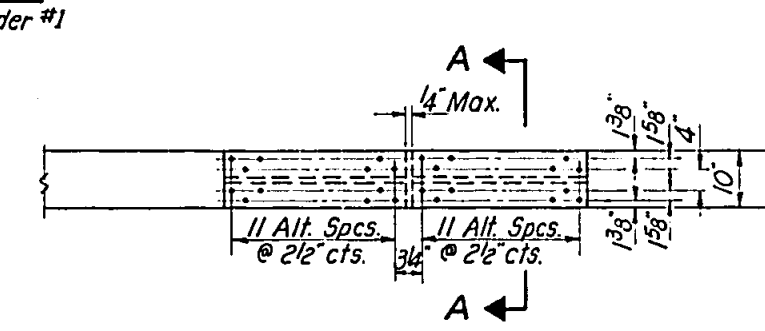
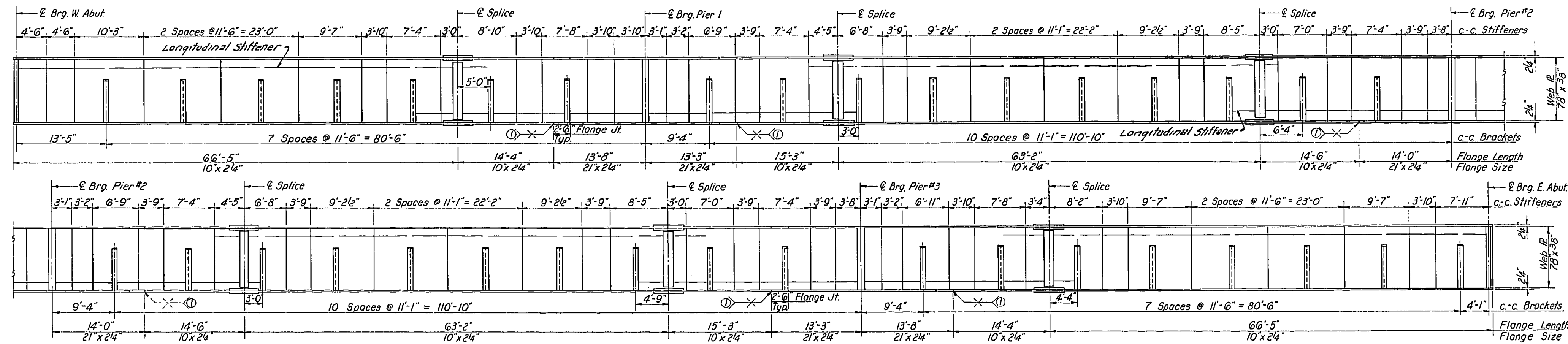
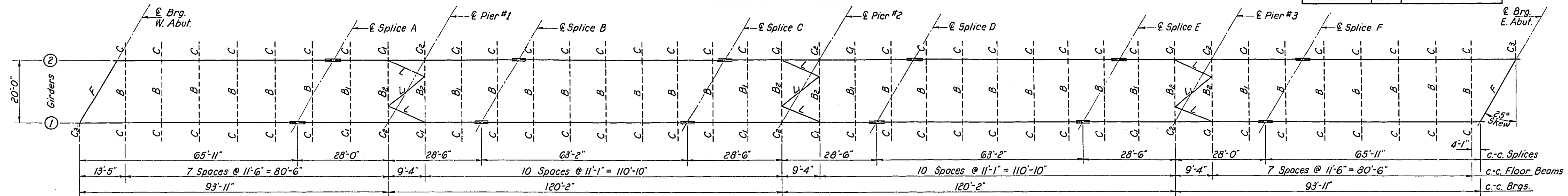
DESIGNED	19	Note:
CHECKED	EXAMINED	Seal perimeter of base of post to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers—gun grade with primer.
DRAWN	PASSED	
CHECKED	APPROVED	

R-17 Rev. 10-8-65 1-5-66



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	QUANTITY	TOTAL SHEETS	SHEET NO.
112 B-2	FRANKLIN	30	12	14
SHEET NO. 5		14 SHEETS		

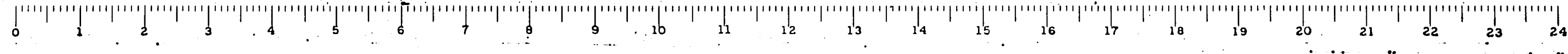


DESIGNED *Walter Perry*
CHECKED *R. Kay*
DRAWN *J.L. Armstrong*
CHECKED *R.K.*

EXAMINED *W. Braun*
PASSED *J. J. ...*
APPROVED *J. J. ...*

Welding Notes:
① - Flange Butt weld shall conform to AWS Specifications for Freely Qualified Submerged Arc Welded Joints - Par. 216, Classification B-U3-S or B-U7-S.
6 - Grind Smooth.

STRUCTURAL STEEL
SBI RT 183 SEC. 112 B-2
FRANKLIN COUNTY
STA. 277+10

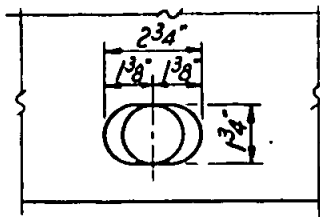


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

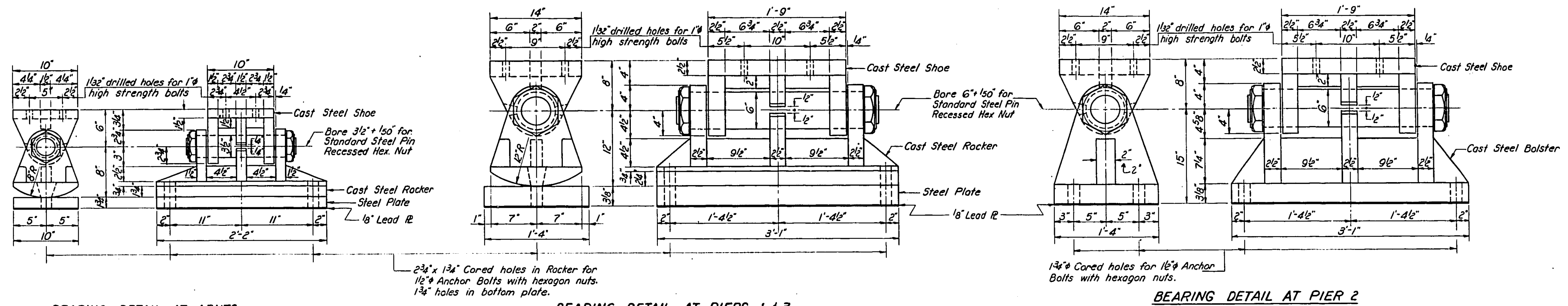
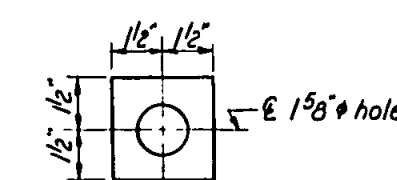
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET DATE
1183	112 B-2	FRANKLIN	30	13	14
PER. ROAD DIST. NO. 7	ILLINOIS	PER. AIR PROJECT			

SHEET NO. 6
14 SHEETS

PLAN OF CORED HOLES



1/4" SLIDING R. FOR ROCKER

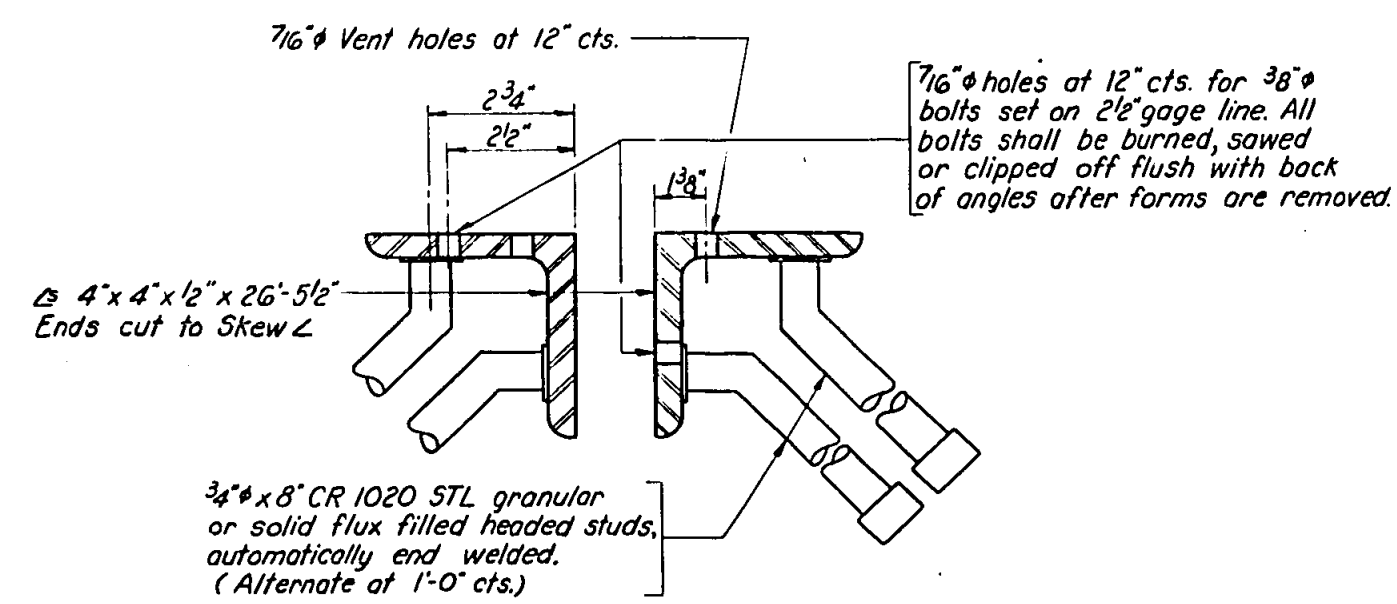


BEARING DETAIL AT ABUTS

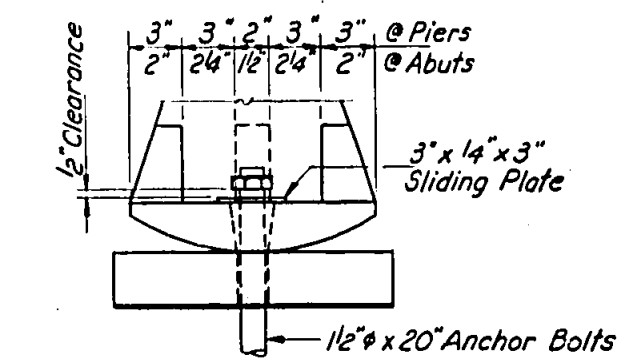
Provide 5/8" shim plate for Girder #2 at W. Abut. and 5/8" shim plate for Girder #1 at E. Abut.

BEARING DETAIL AT PIERS 1 & 3

BEARING DETAIL AT PIER 2



EXPANSION GUARD DETAIL



ROCKER END VIEW

TOP OF GIRDER ELEVATIONS

Location	E. Brg. W. Abut.	Spl. A	Pier 1	Spl. B	Spl. C	Pier 2	Spl. D	Spl. E	Pier 3	Spl. F	E. Brg. E. Abut.
Girder #1	428.92	429.22	429.31	429.40	429.50	429.50	429.51	429.42	429.34	429.26	428.97
Girder #2	428.97	429.26	429.34	429.42	429.51	429.50	429.50	429.40	429.31	429.22	428.92

DESIGNED *Walter Perry*
CHECKED *R. Kowal*
DRAWN *J.L. Armstrong*
CHECKED *E.K.*

EXAMINED *W. Baumann*
PASSED *E. Schmitt*
APPROVED *[Signature]*

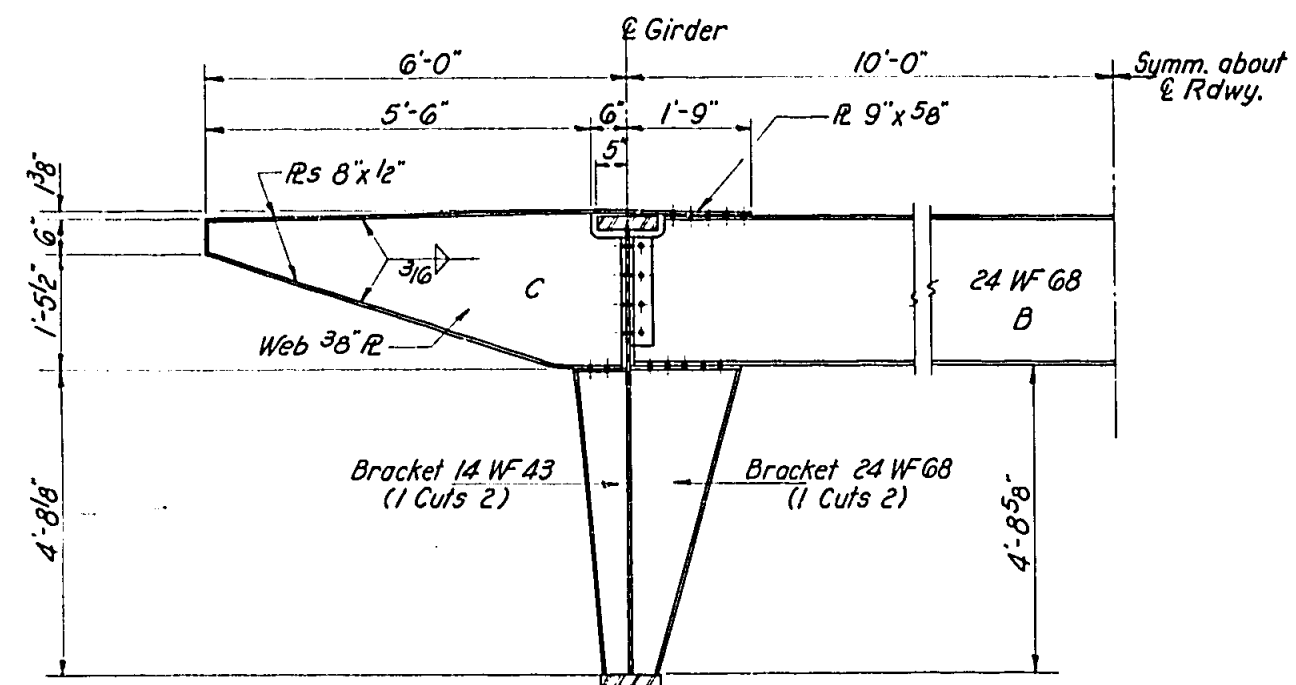
Dec. 11 1963

BEARING DETAILS
S.B.I. RT. 103 SEC. 112 B-2
FRANKLIN COUNTY
STA. 277+10

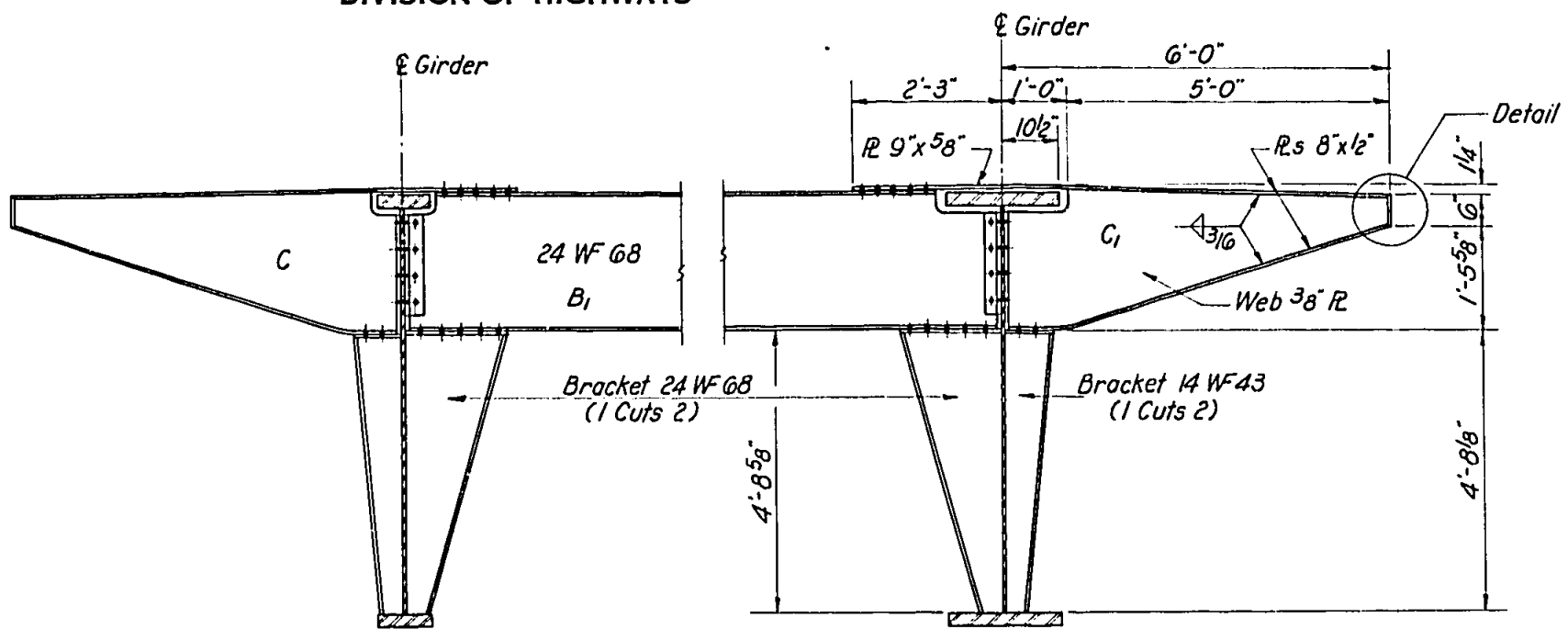


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

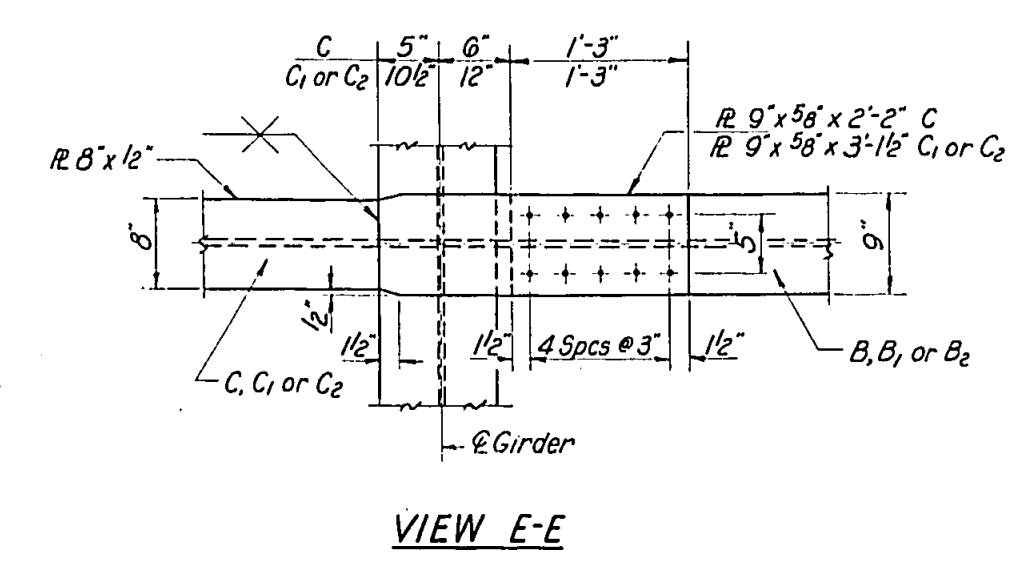
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1183	112 B-2	FRANKLIN	30	14
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	



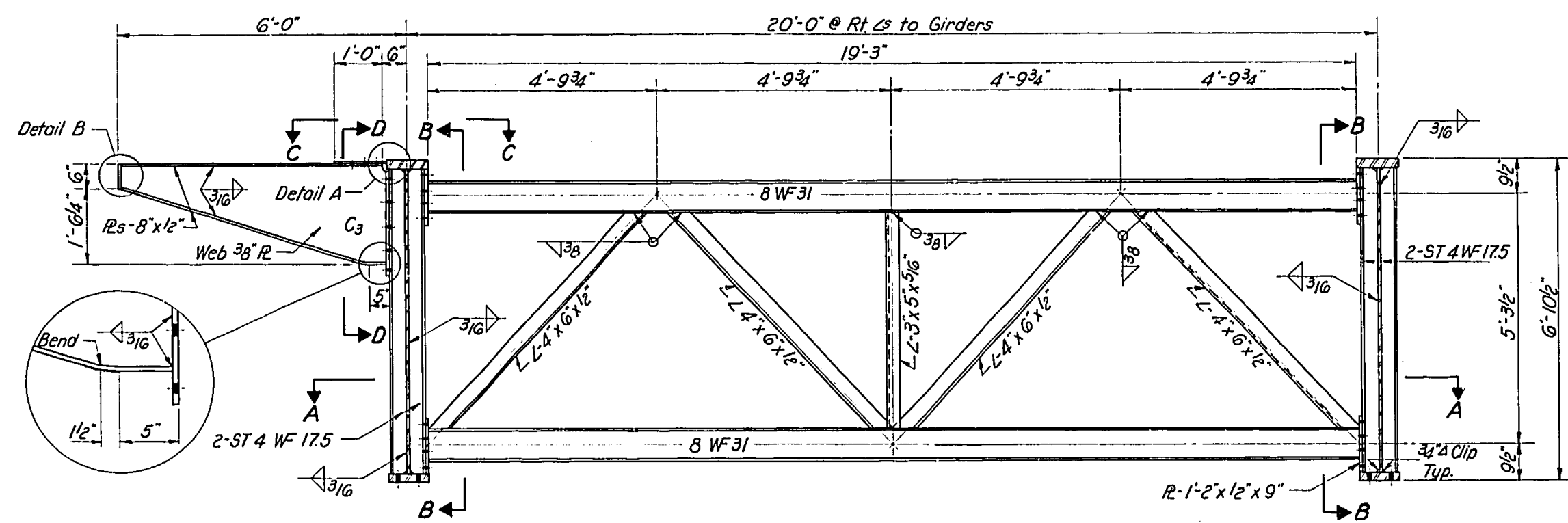
HALF SECTION AT FLOOR BEAM B



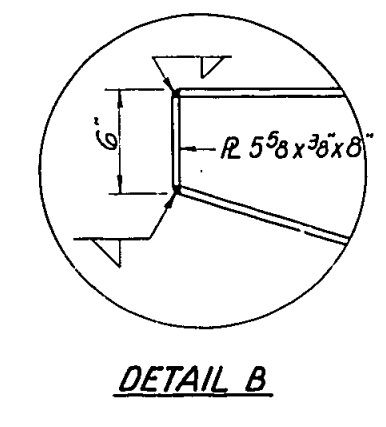
SECTION AT FLOOR BEAM B1



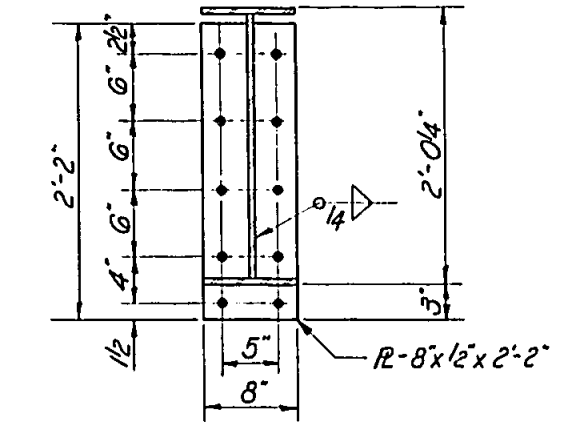
VIEW E-E



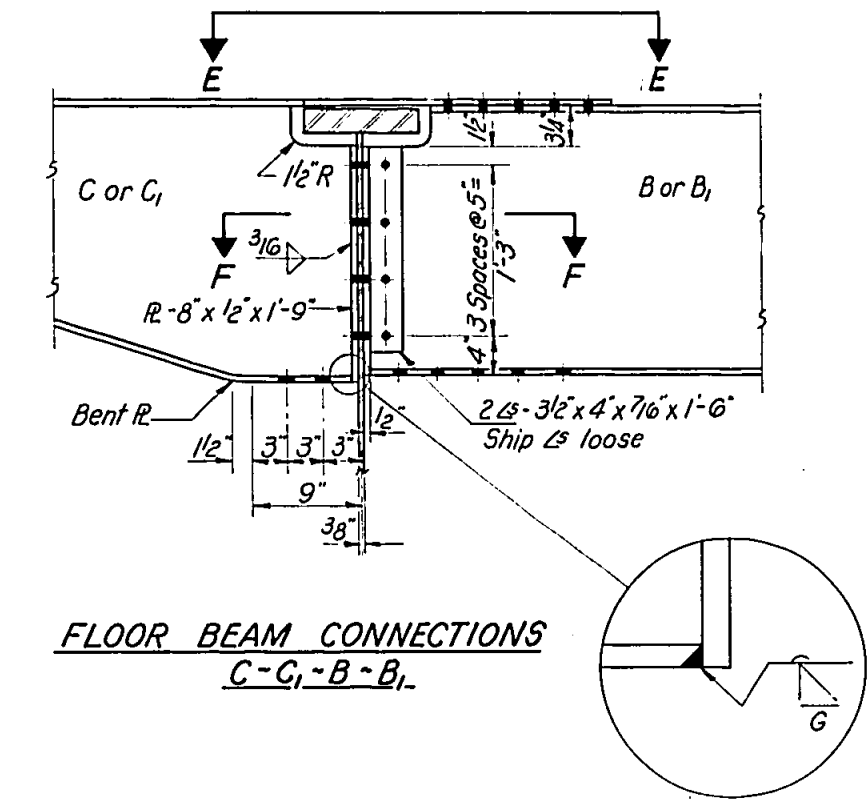
DETAILS OF C, D, E, & F



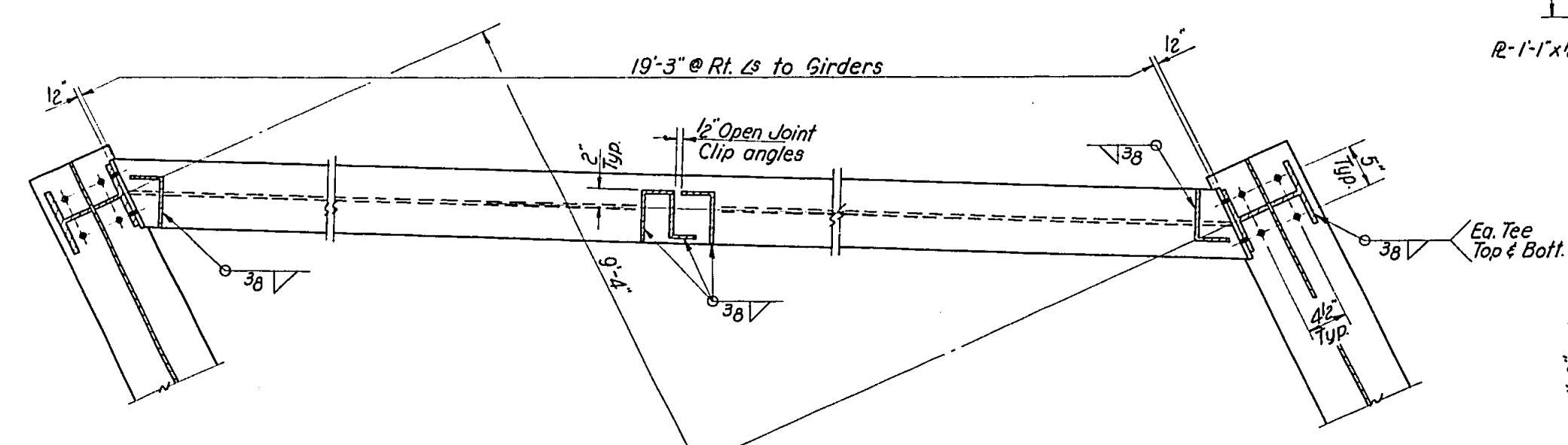
DETAIL B



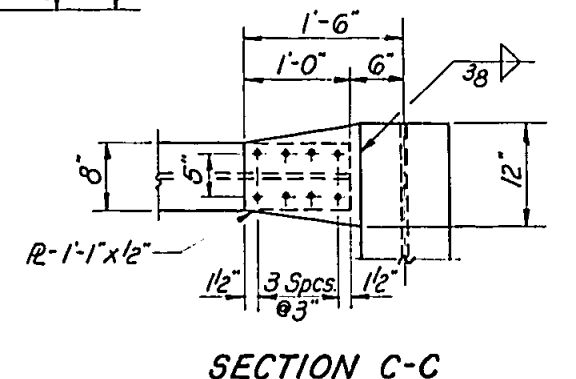
SECTION D-D



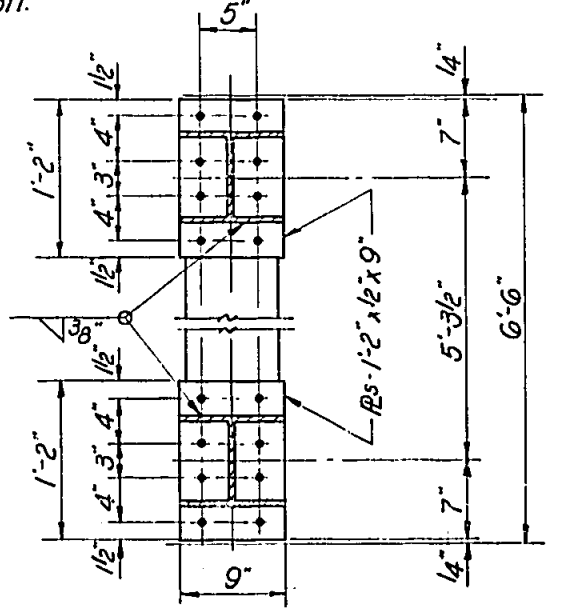
FLOOR BEAM CONNECTIONS C-G, B-B1



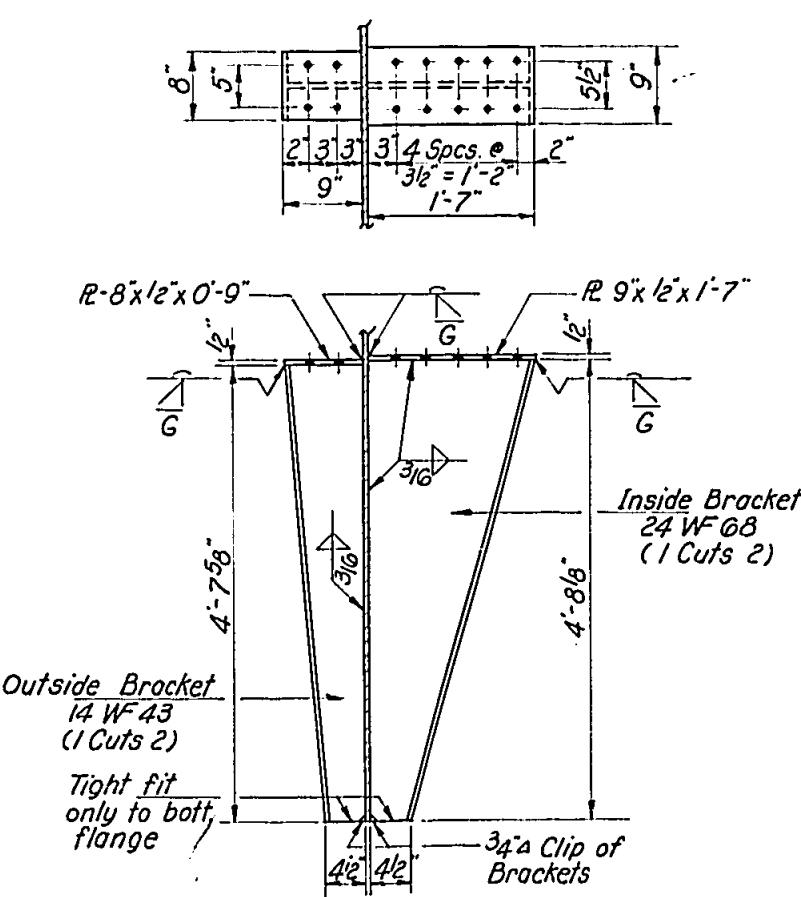
SECTION A-A



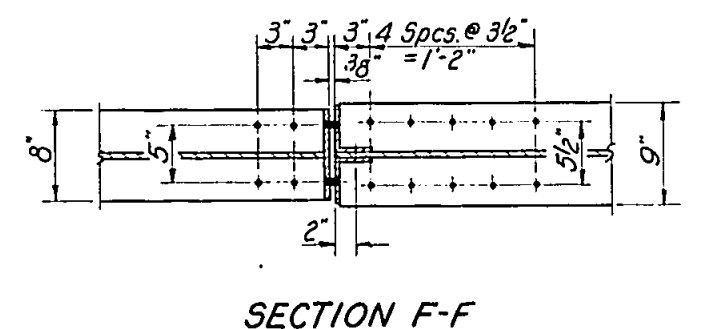
SECTION C-C



SECTION B-B



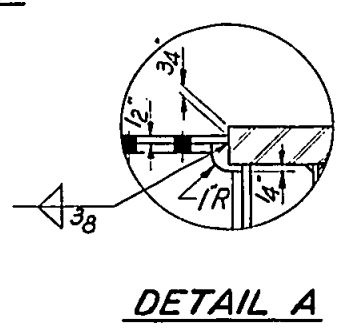
TYPICAL BRACKET DETAILS



SECTION F-F

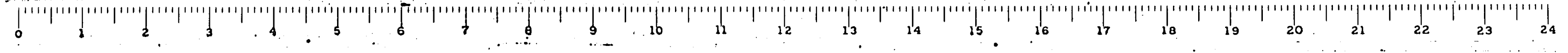
DESIGNED *Walter Perry*
CHECKED *R. Kowal*
DRAWN *WP*
CHECKED *RL*

EXAMINED *Dec 11 1963*
PASSED *W. Baumann*
APPROVED *[Signature]*



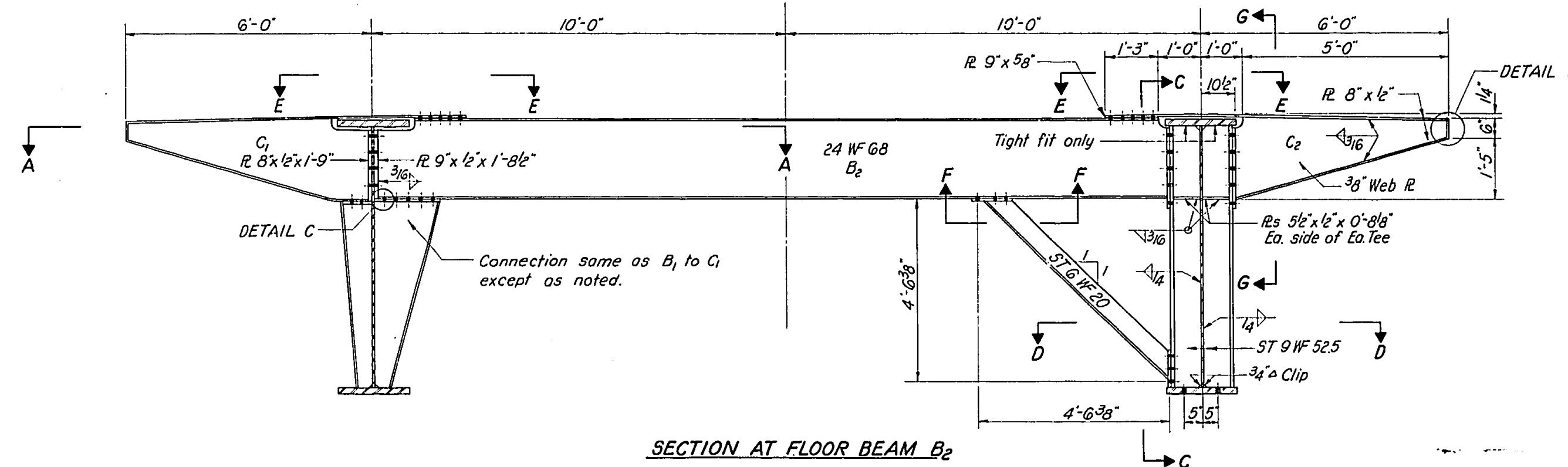
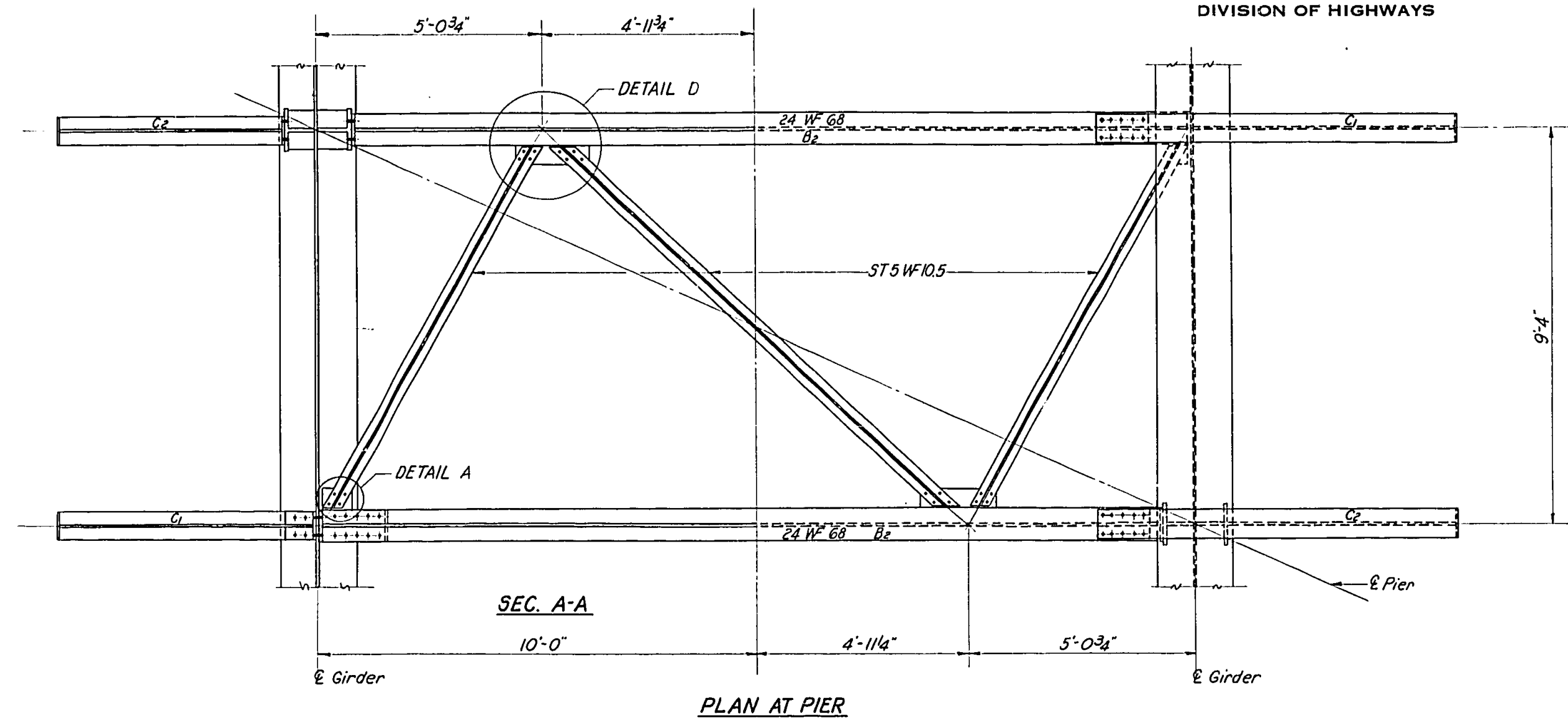
DETAIL A

STRUCTURAL STEEL DETAILS
S.B.I. RT. 183 SEC. 112 B-2
FRANKLIN COUNTY
STA. 277+10



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

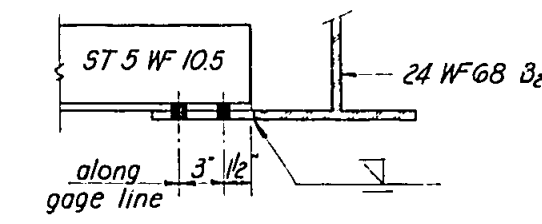
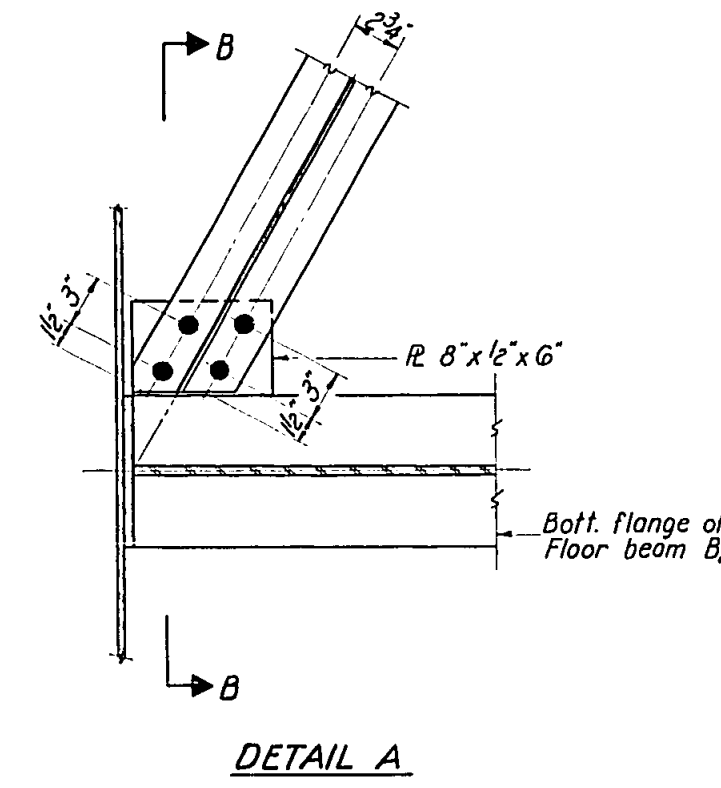
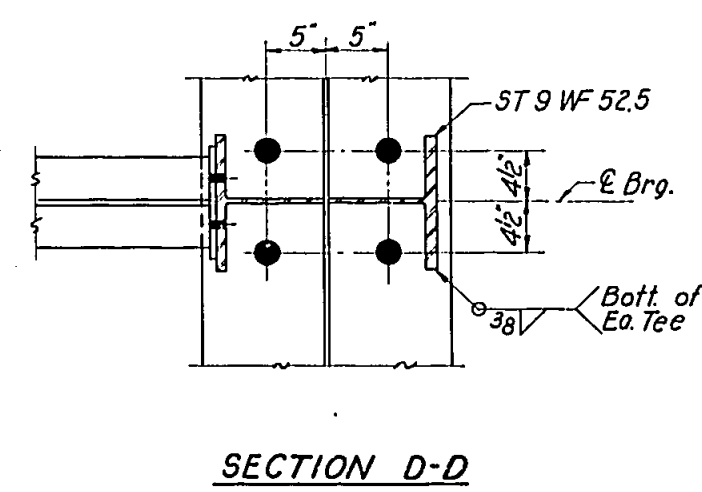
NOTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8
1183	112 B-2	FRANKLIN	30	15	14 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		



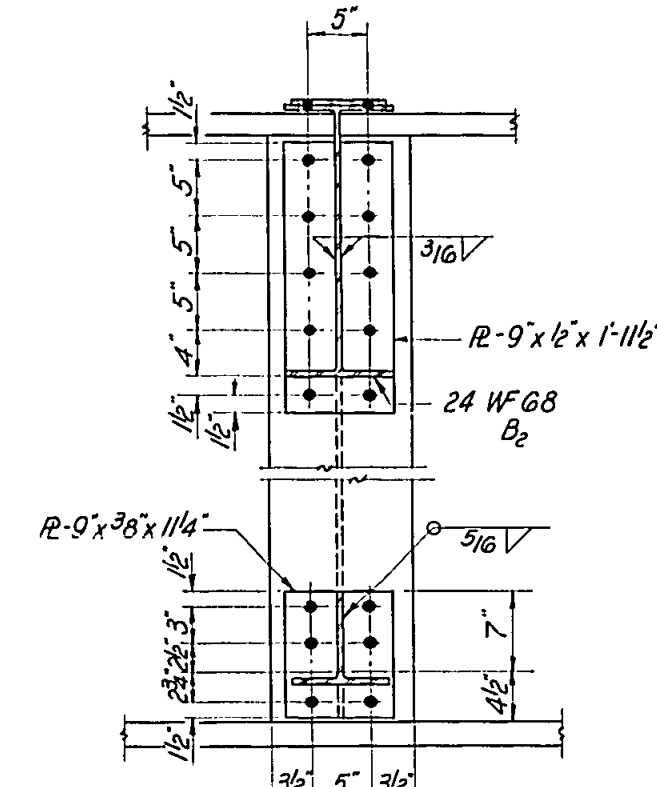
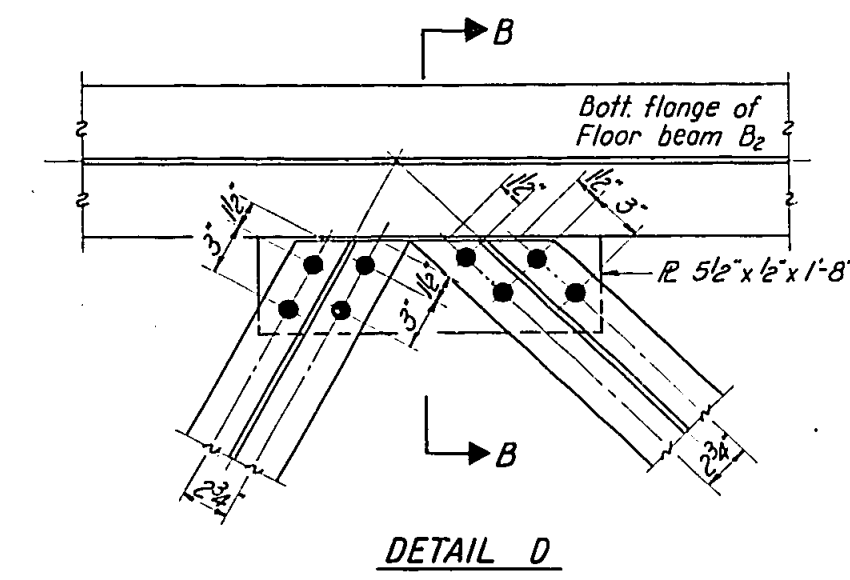
NOTE:
For details of C₁, Sec. E-E,
Detail B and Bracket Details,
see sheet #7.

DESIGNED	W. Ste Perry
CHECKED	R. Kowal
DRAWN	J. L. Armstrong
CHECKED	EK

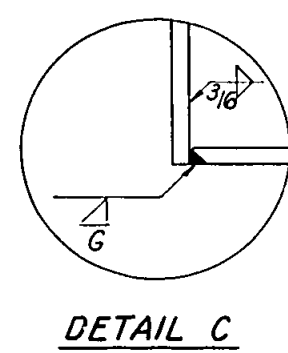
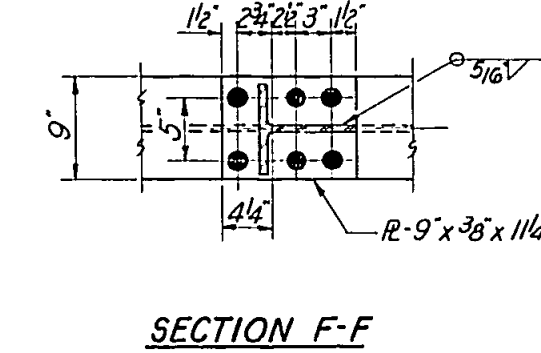
EXAMINED	Dec 11 1963
PASSED	
APPROVED	



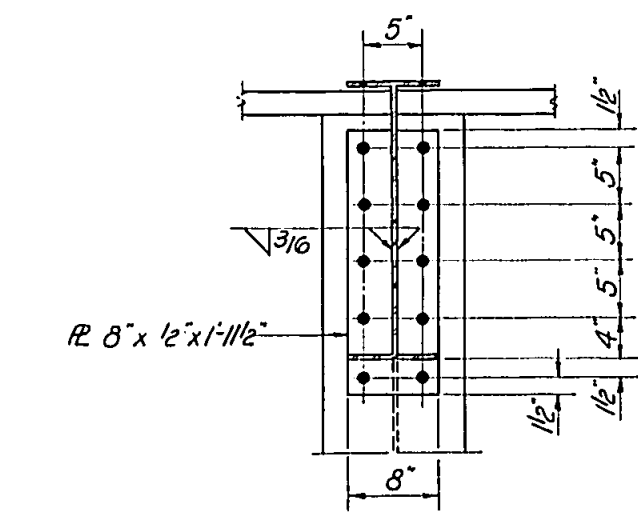
SECTION B-B



SECTION C-C

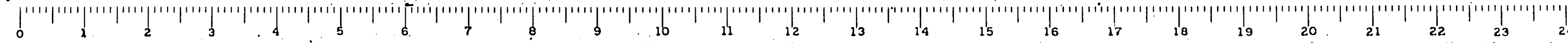


DETAIL C



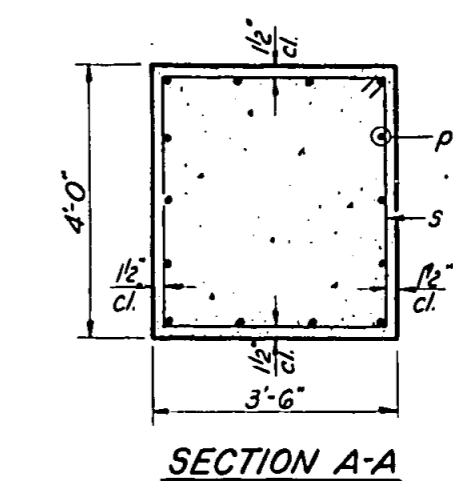
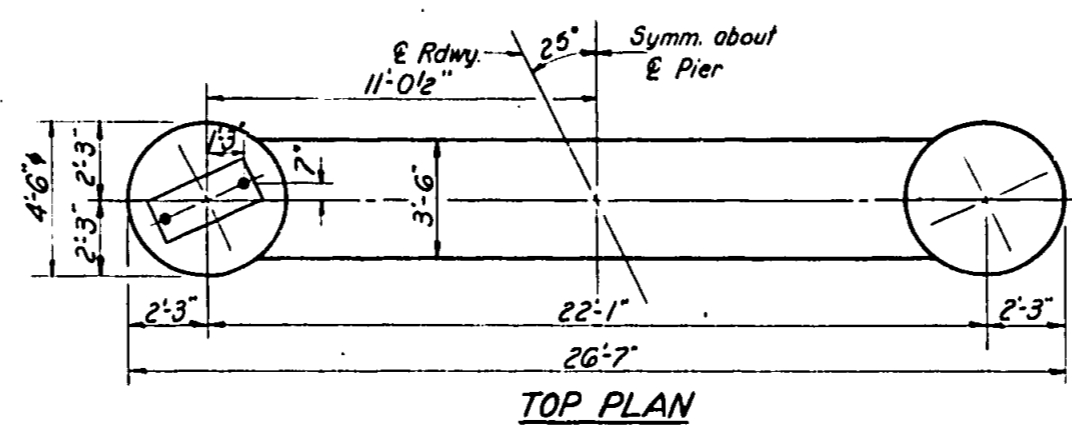
SECTION G-G

STRUCTURAL STEEL DETAILS
S.B.I. RT. 183 SEC. 112 B-2
FRANKLIN COUNTY
STA. 277+10

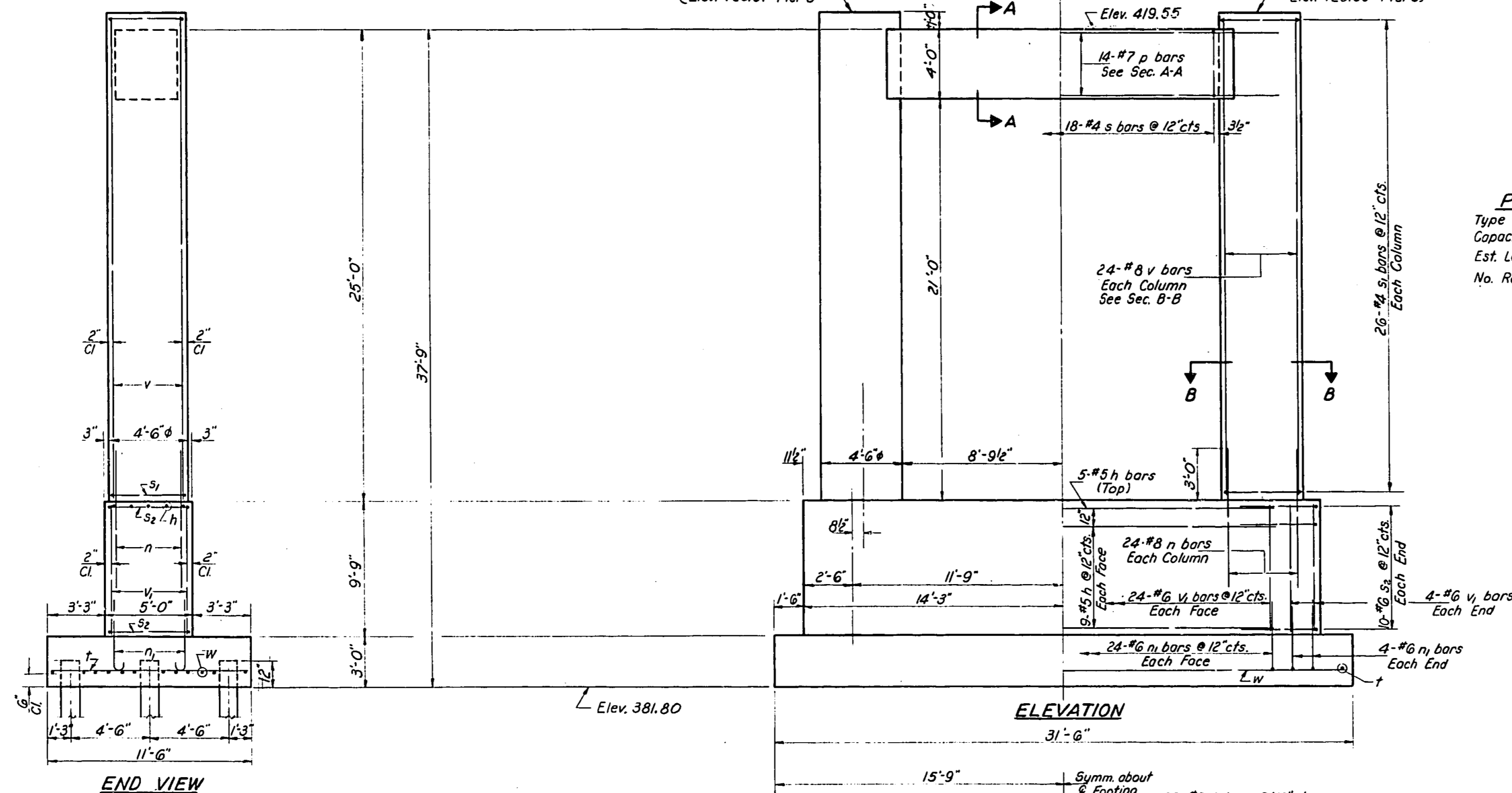


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

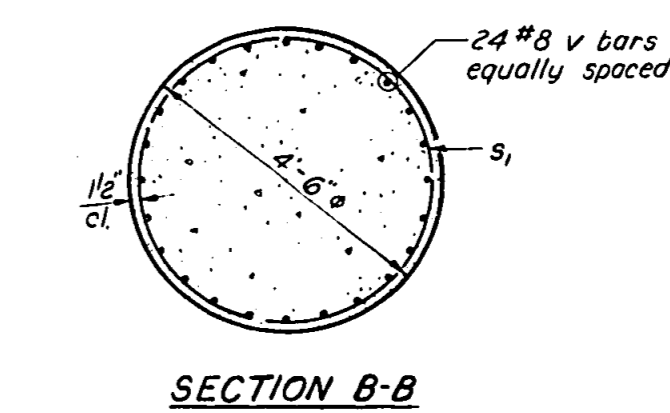
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
1183	112 B-2	FRANKLIN	30	16	14 SHEETS
PER. ROAD DIST. NO. 7 ILLINOIS PER. AIR PROJECT					



North {Elev. 420.53 Pier 1
Elev. 420.51 Pier 3} South
Elev. 419.55

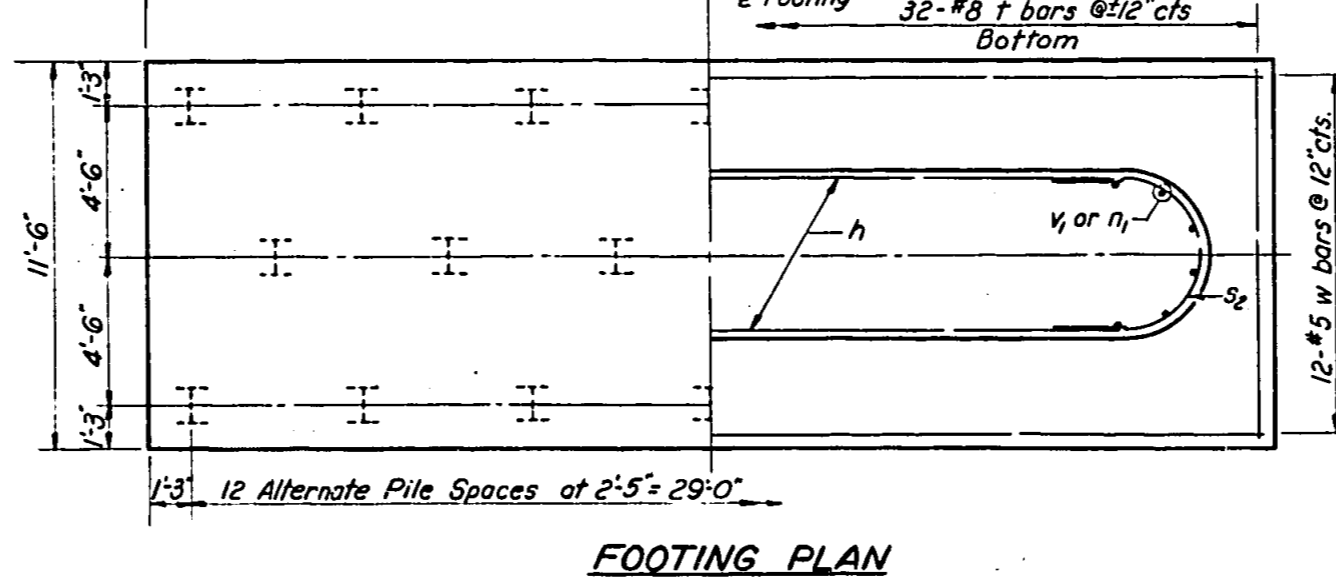
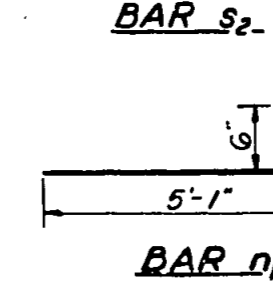
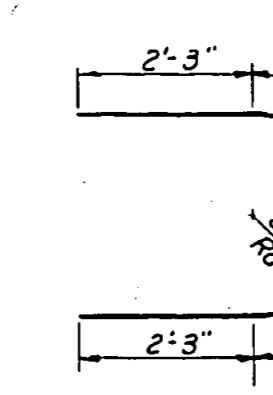
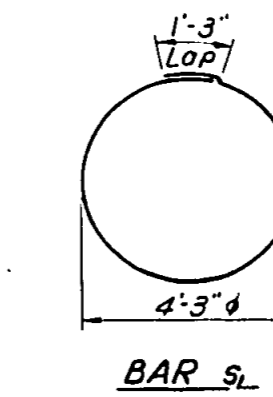
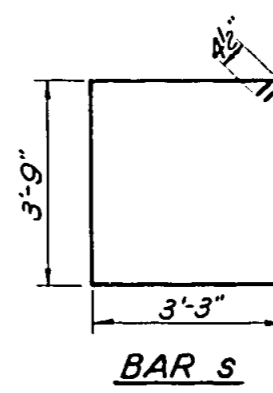


PILE DATA
Type - Steel (10BP42)
Capacity - Drive to Refusal
Est. Length - 40 Ft.-Pier 1
36 Ft.-Pier 3
No. Reqd - 40



2 PIERS
BILL OF MATERIAL

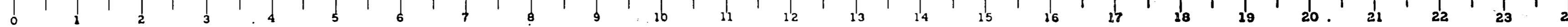
Bar	No.	Size	Length	Shape
h	46	#5	23'-6"	—
n	96	#8	8'-0"	—
n ₁	112	#6	5'-9"	—
p	28	#7	24'-0"	—
s	36	#4	14'-9"	□
s ₁	104	#4	14'-7"	○
s ₂	40	#6	12'-0"	—
t	64	#8	11'-3"	—
v	96	#8	25'-9"	—
v ₁	112	#6	9'-6"	—
w	24	#5	3'-3"	—
Class X Concrete			Cu. Yds.	260.7
Reinforcement Bars			Lbs.	18,500
Steel Piles (10BP42)			Lin. Ft.	1520



DESIGNED *Walter Levy*
CHECKED *R. Kowal*
DRAWN *J. L. Armstrong*
CHECKED *R.K.*

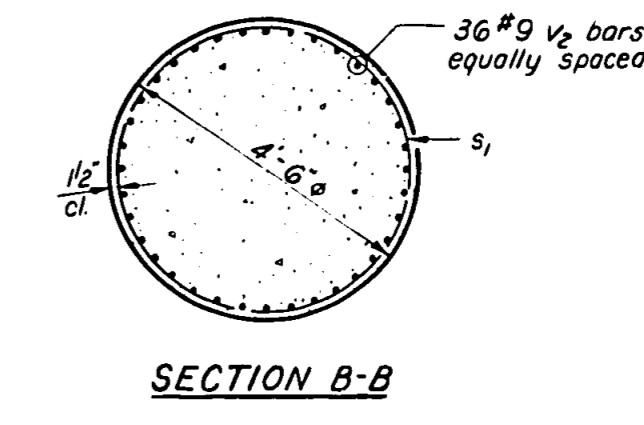
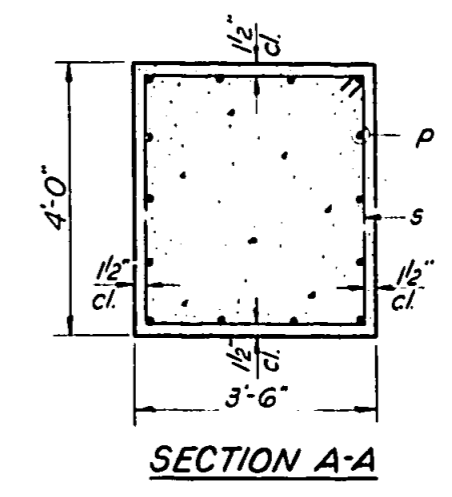
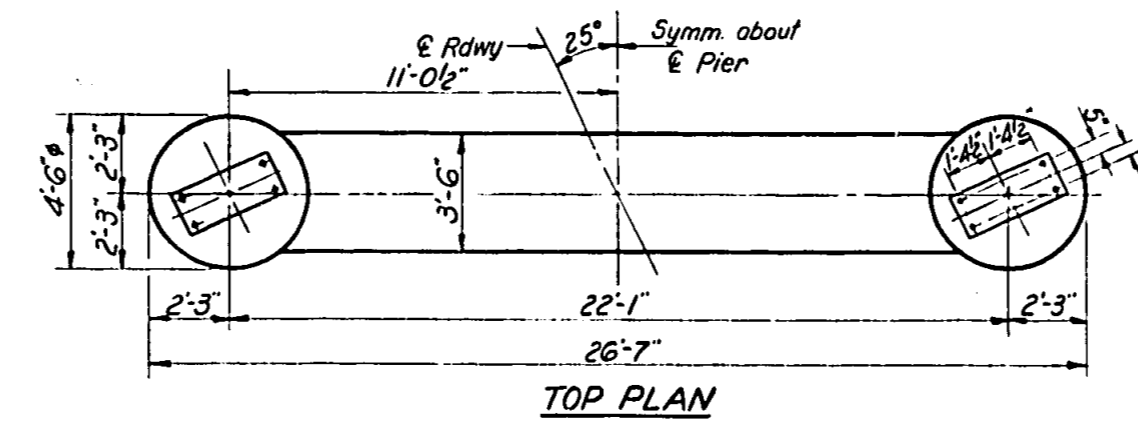
EXAMINED *W. Baumann*
PASSED *J. L. Armstrong*
APPROVED *J. L. Armstrong*
DEC. 11 1963

PIERS 1 & 3
S.B.I. RT. 183 SEC. 112 B-2
FRANKLIN COUNTY
STA. 277+10



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

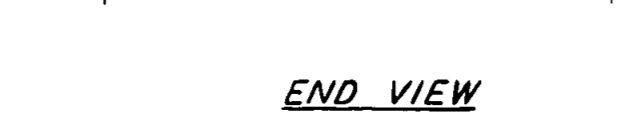
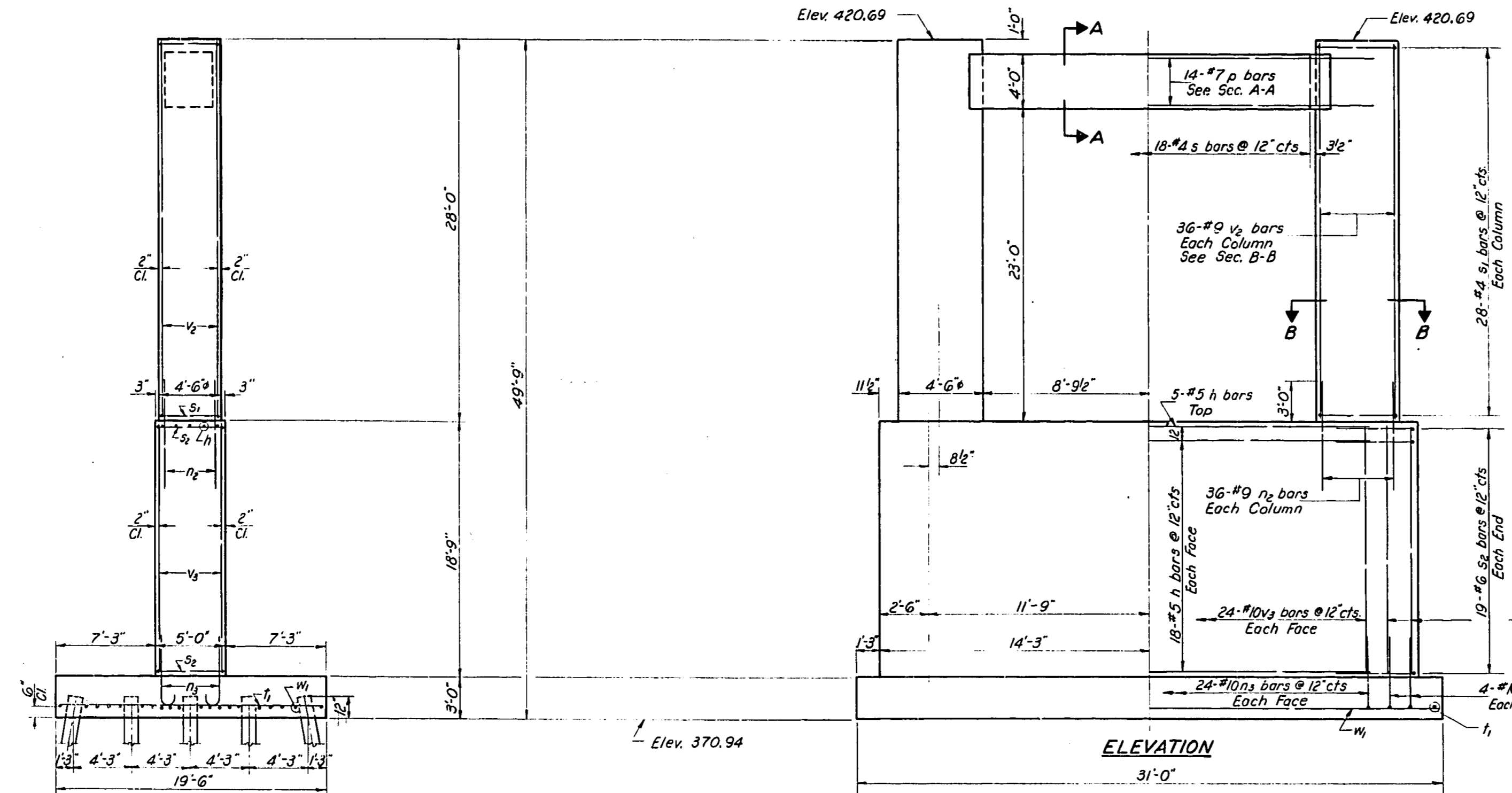
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112 B-2	FRANKLIN	30	17	14 SHEETS	
ILLINOIS FED. AID PROJECT					



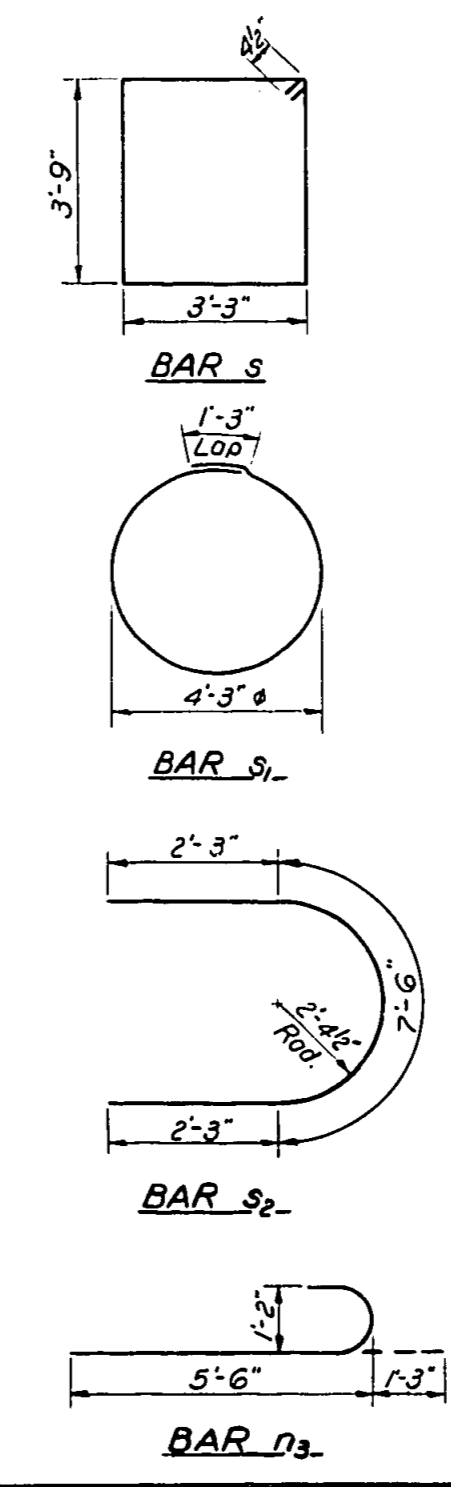
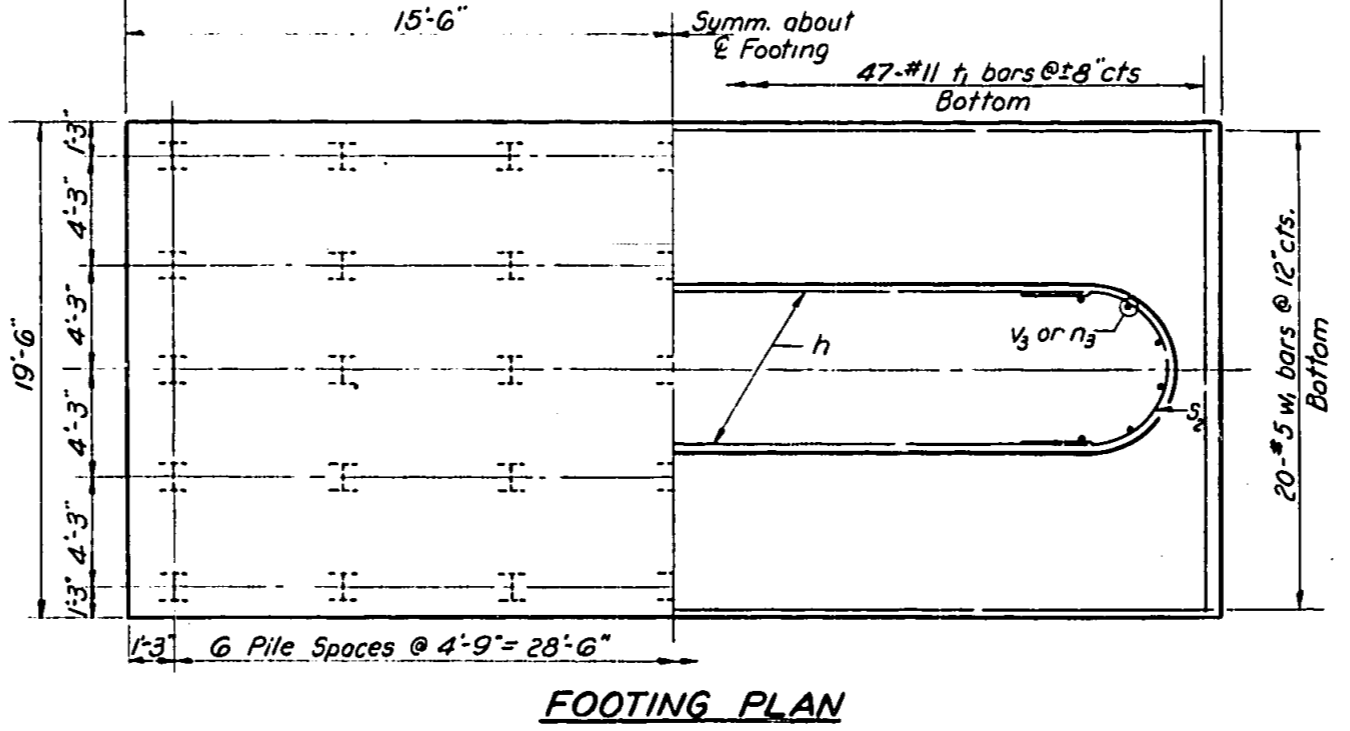
PILE DATA
Type - Steel 10 BP42
Capacity - Drive to Refusal
Est. Length - 26 Ft.
No. Req'd - 34
Test Piles - 1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	41	#5	23'-6"	—
n ₂	72	#9	8'-0"	—
n ₃	56	#10	6'-9"	—
p	14	#7	24'-0"	—
s	18	#4	14'-9"	□
s ₁	56	#4	14'-7"	○
s ₂	38	#6	12'-0"	—
r ₁	47	#11	19'-3"	—
v ₂	72	#9	27'-9"	—
v ₃	56	#10	18'-6"	—
w	20	#5	30'-9"	—
Class X Concrete			Cu. Yds.	205.0
Reinforcement Bars			Lbs.	23,380
Steel Piles (10 BP42)			Lin. Ft.	884
Test Piles Steel (10 BP42)			Each	1



NOTE: Batter outside rows of piles 2" per Ft

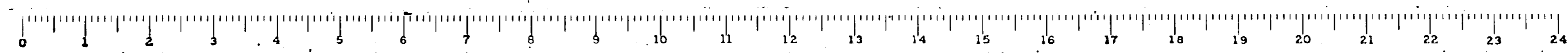


PIER 2
S.B.I. RT. 183 SEC. 112 B-2
FRANKLIN COUNTY
STA. 277+10

DESIGNED *Walter Perry*
CHECKED *R. Kowal*
DRAWN *J.P. Armstrong*
CHECKED *R.K.*

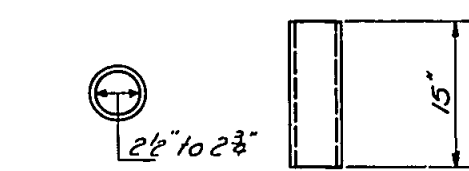
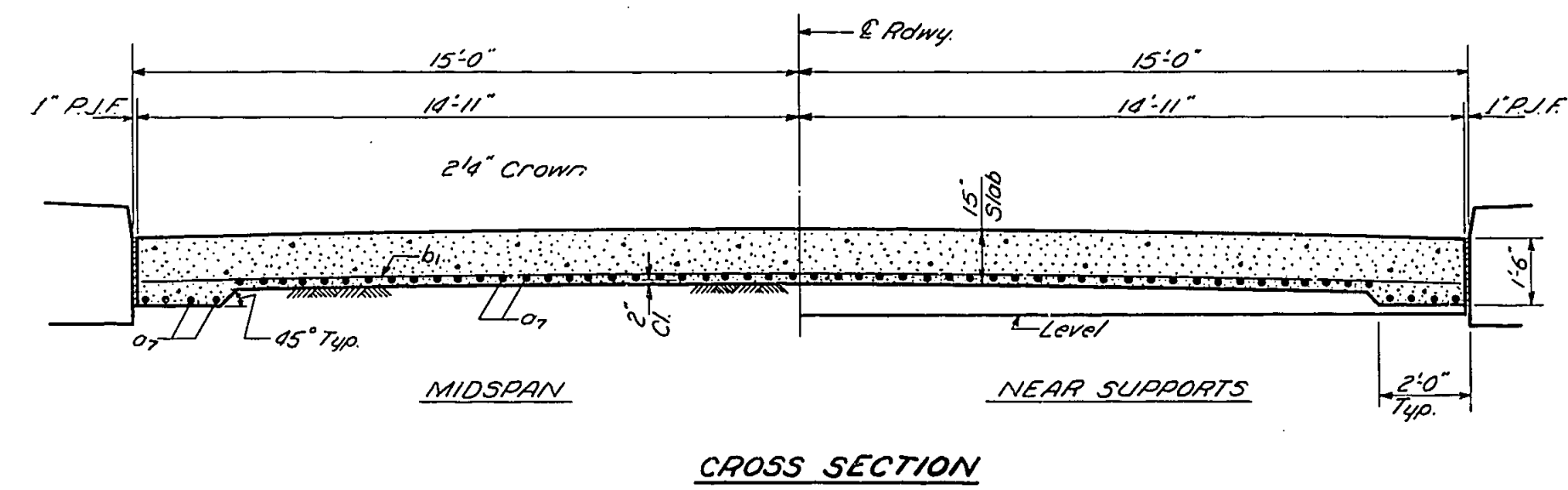
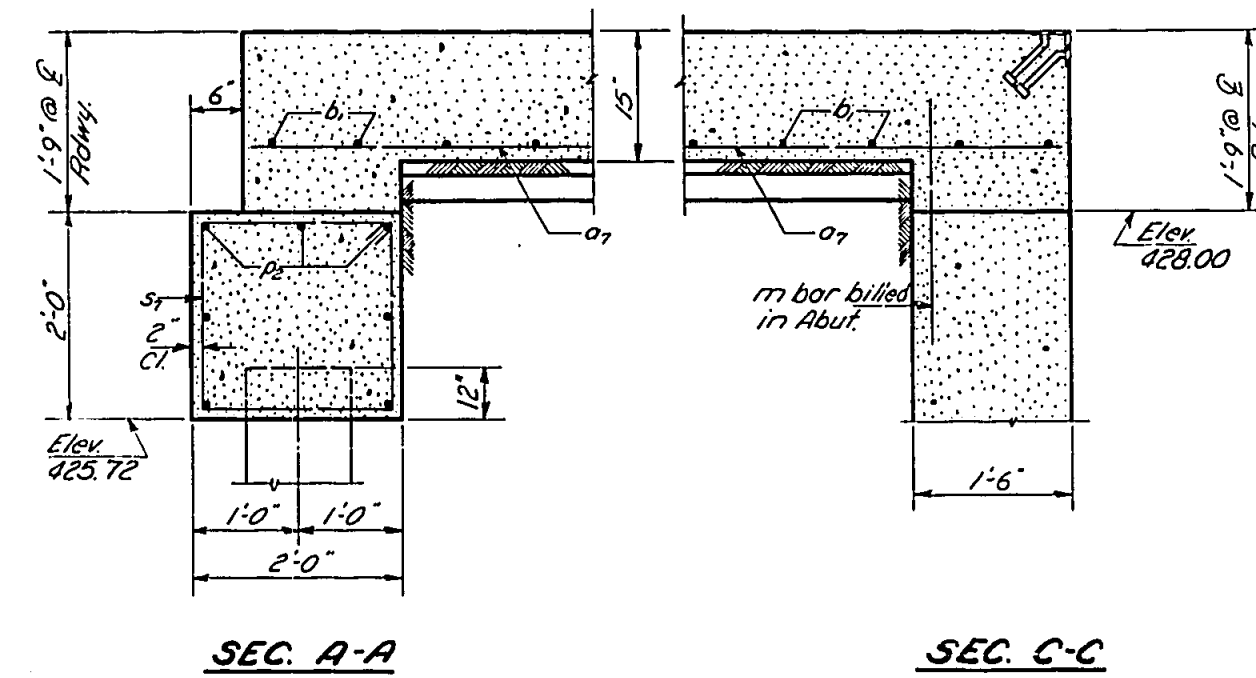
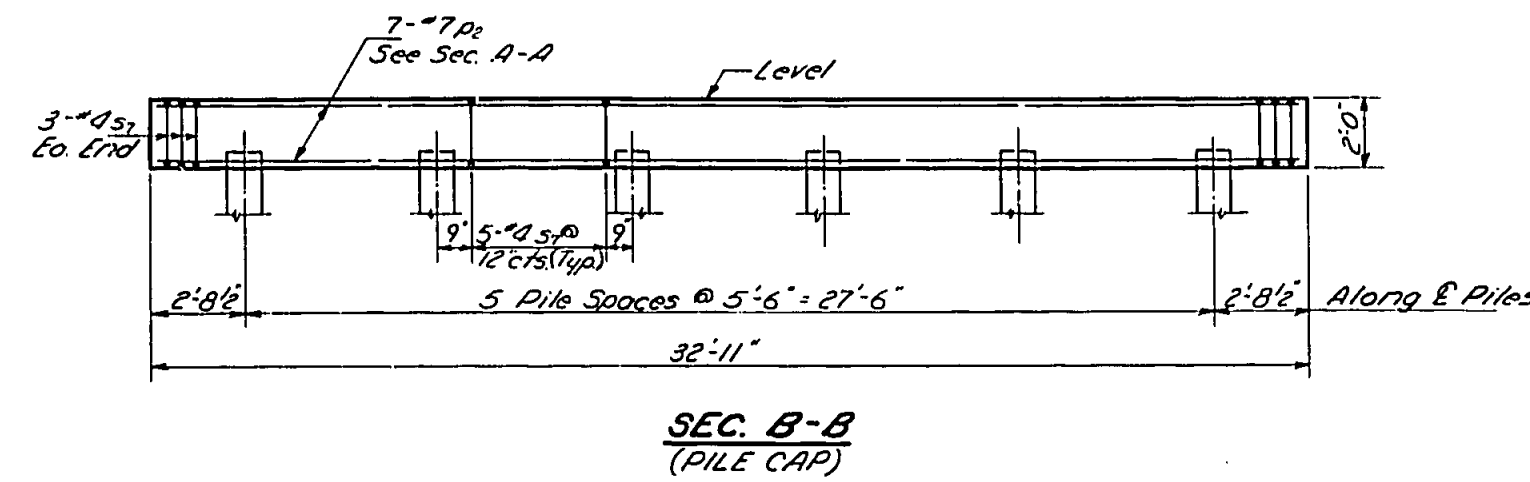
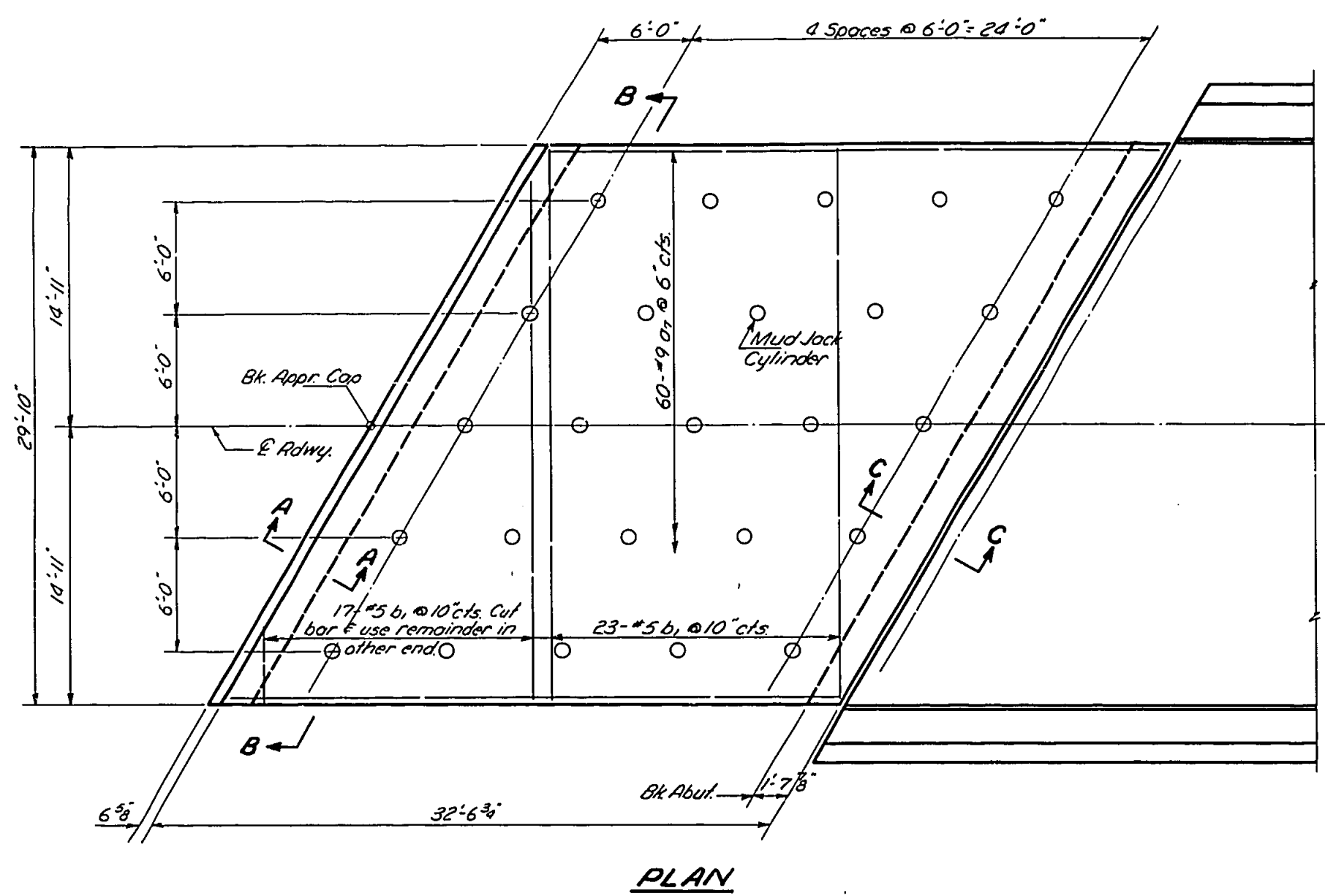
EXAMINED *W. Baumann*
PASSED *J.P. Armstrong*
APPROVED *J.P. Armstrong*

Dec. 11 1963

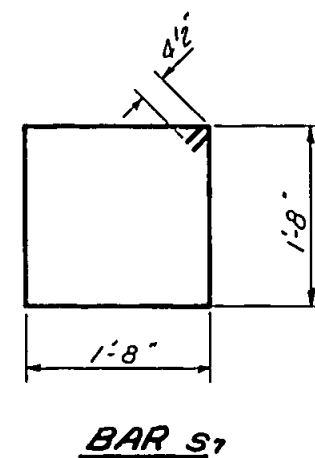


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET
S. B. 1183	112 B-2	FRANKLIN	30	19	14 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



Cylinders shall be filled with clay and clay shall be tamped.



BAR S1

DESIGNED *Walter Perry*
CHECKED *R. K. ...*
DRAWN *W. L. Worless*
CHECKED *RK*

EXAMINED *W. B. Baumann*
PASSED *C. J. ...*
APPROVED *J. ...*

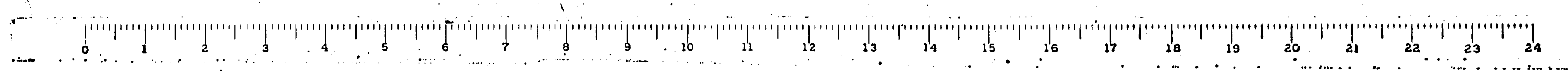
DETAIL OF MUD JACK CYLINDER
Cylinders shall be Standard Weight Black Steel Pipe. Cost shall be incidental to Class X Concrete.

**APPR. SLAB & PILE CAP
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a ₂	120	#9	32'-3"	—
b ₁	80	#5	29'-6"	—
p ₂	14	#7	32'-6"	—
s ₇	62	#4	7'-5"	□
* Class X Concrete				Cu. Yds. 105.0
* Reinforcement Bars				Lbs. 6,860

* Included in Total Bill of Material on Sheet #1 under "Super."

**APPROACH SLAB & PILE CAP
S. B. 1183 - SEC. 112B-2
FRANKLIN COUNTY
STA. 277+10**



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	SHEET NO.
1183	B-2	FRANKLIN	30
SHEET NO. 19		14 SHEETS	

Boring No.	Station	Elevation	N	C	U	W	P	S	Surface Water El.		Elevation	N	C	U	W	P	S	
									Groundwater El. at Completion	After 24 Hours								
1	276+30	389.1							377.6	382.6								
	Office Centerline																	
	Ground Surface	389.1																
	Stiff, moist gray mottled brown, M, clayey silt of slight plasticity	387.6																
	Medium moist gray mottled brown, M, clayey silt with slight plasticity	385.6																
	Very stiff moist gray mottled brown and black, CL, lean clay of medium plasticity	383.6																
	Medium wet gray, CL, silty clay with low plasticity	381.6																
	Medium wet gray, SH, silty sand	379.6																
	Medium wet gray, CL, silty clay of low plast.	378.6																
	Medium to dense wet gray, SP, sand poorly graded	376.6																
	Medium very moist to wet gray mottled brown and black, CL, sandy clay of low plasticity with some CL	377.6																
	Soft wet gray mottled brown and black, CL, silty clay of low plasticity	375.6																
	Medium to dense wet gray, SP, poorly graded sand	373.6																
	Dense wet bluish gray, SH, silty sand	371.6																
	Soft gray coarse grained sandstone with black organic laminations	369.6																
	Medium hard gray coarse grained sandstone with black organic laminations	367.6																
	Bottom of Hole = 54.2 Ft.	324.9																

Boring No.	Station	Elevation	N	C	U	W	P	S	Surface Water El.		Elevation	N	C	U	W	P	S	
									Groundwater El. at Completion	After 24 Hours								
2	274+92	388.8							374.8	383.8								
	Office 5 ft. Lk.																	
	Ground Surface	388.8																
	Medium moist tan, CL, silty clay of low plast.	386.8																
	Sample No. 2-1	386.8																
	Stiff moist tan, CL, silty clay of low plasticity	384.8																
	Sample No. 2-2	384.8																
	Very stiff moist gray mottled brown, CL, lean clay of medium plasticity	382.8																
	Sample No. 2-3	382.8																
	Very stiff moist gray mottled brown, CL, lean clay of medium plasticity	380.8																
	Sample No. 2-4	379.3																
	Stiff very moist gray mottled brown, CL, silty clay of low plasticity	377.3																
	Sample No. 2-5	376.8																
	Stiff moist gray mottled brown CL, silty clay of low plasticity	374.8																
	Sample No. 2-6	374.3																
	Stiff moist gray mottled brown, CL, silty clay of low plasticity	372.3																
	Sample No. 2-7	371.8																
	Stiff moist gray mottled brown, CL, silty clay of low plasticity	369.3																
	Sample No. 2-8	369.3																
	Medium very moist gray mottled brown, CL, silty clay of low plasticity	367.3																
	Sample No. 2-9	366.8																
	Medium to dense wet gray, SP, poorly graded sand	364.3																
	Medium to dense wet gray, SP, poorly graded sand	362.3																
	Very dense H. Gr. SH, silty sand	360.3																
	Soft gray medium grained sandstone	358.3																
	Bottom of Hole 51.8 Ft.	317.0																

DESIGNED *Walter Perry*
CHECKED *E. Kowal*
DRAWN *L. Wronless*
CHECKED *LK*

EXAMINED *W. Baumann*
PASSED *S. J. Schmitt*
APPROVED *J. J. [Signature]*

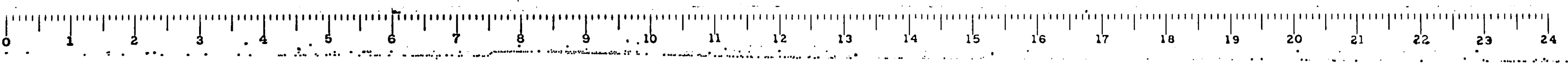
Dec. 11, 1963

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".

CU - Unconfined Compressive Strength - 1/4" w - Water Content - percentage of oven dry weight - %.

Type Failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value

BORINGS 112
S. B. I. AT 183 - SEC. 188-2
FRANKLIN COUNTY
STA. 277+10



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. OF SHEETS
183	112 B-2	FRANKLIN	30	21	18 SHEETS

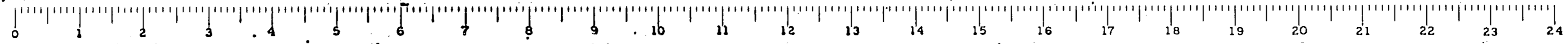
Boring No.	Station	Offset	Surface Water El.	Min. Groundwater El. at Completion	After ___ Hours	Elevation	N	Q _u /f _u	w (%)	Remarks
3	277+07	6 ft. Lk.		378.1		389.1	0			Ground Surface
						386.6	1	1.0P	28	Medium very moist brown, Cl, silty clay of low plasticity.
						384.1	2	0.5P	28	Medium very moist light brown, Cl, silty clay of low plasticity.
						379.6	1A	2.0P	20	Very stiff moist gray mottled brown and black, Cl, lean clay of medium plasticity.
						377.6	1A	2.1B	20	Stiff moist gray mottled brown and black, Cl, silty clay of medium plasticity.
						372.6	11	0.5P	28	Medium wet gray mottled brown and black, Cl, silty clay of low plasticity.
						348.1-40	12	0.6B	28	Very dense wet gray mottled blue green, SP, silty sand
						346.6	5	0.6B	22	Soft brown mottled gray medium grained sandstone
						343.6				Soft gray medium grained sandstone
						336.6				Bottom of Hole = 51.5 ft.

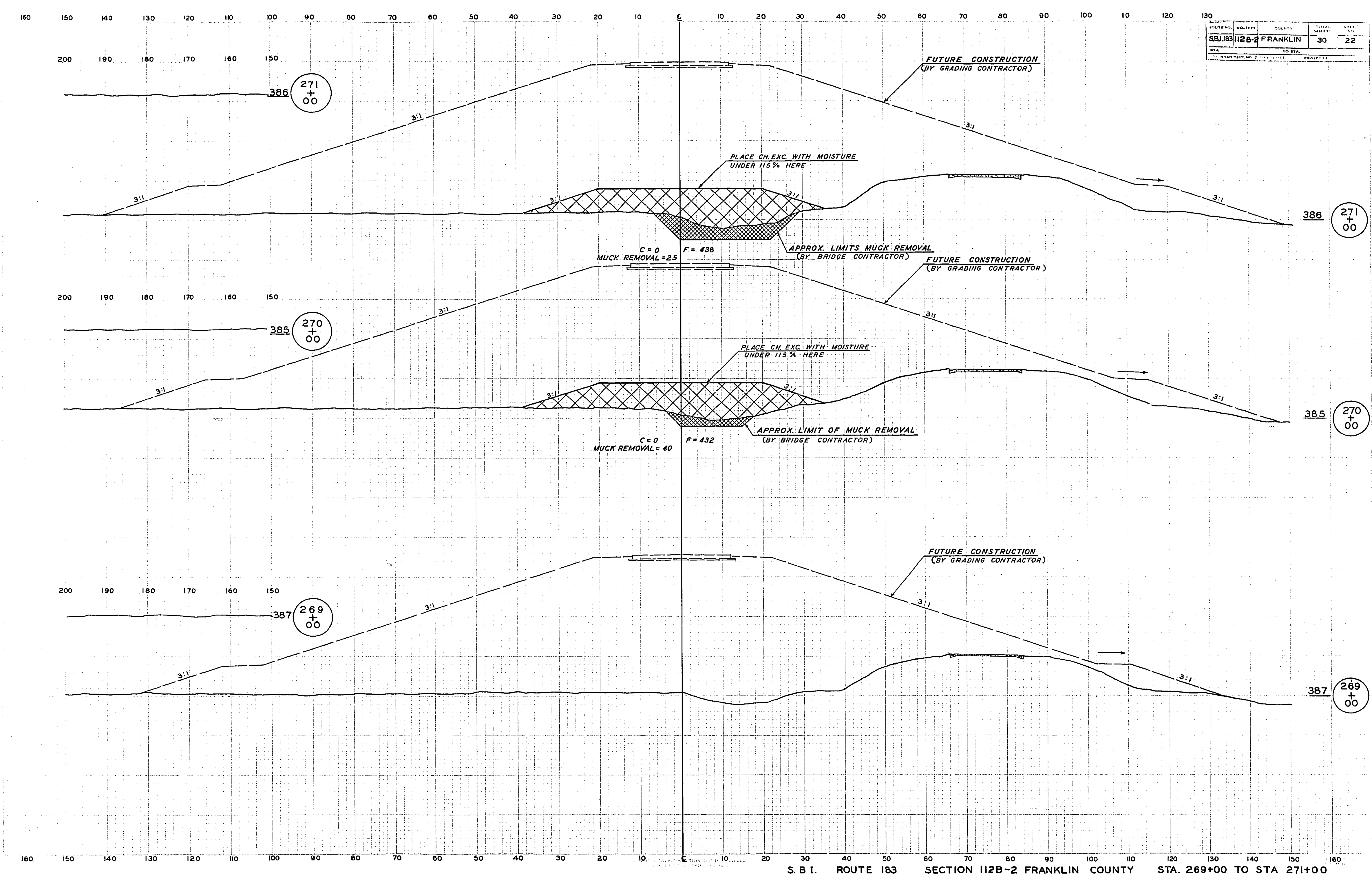
Boring No.	Station	Offset	Surface Water El.	Min. Groundwater El. at Completion	After ___ Hours	Elevation	N	Q _u /f _u	w (%)	Remarks
4	277+33	6 ft. Lk.		380.9		387.4	0			Ground Surface
						385.4	1			Medium moist brown, Cl, silty clay A-6(8-9)
						382.9	2			Sample No. 4-1
						380.4	3			Stiff moist gray mottled brown, Cl, lean clay A-6(12)
						377.9	4			Sample No. 4-2
						375.4	5			Stiff moist gray mottled brown, Cl, lean clay A-6(12)
						372.9	6			Sample No. 4-3
						370.4	7			Stiff moist gray mottled brown, Cl, lean clay A-6(12)
						367.9	8			Sample No. 4-4
						365.4	9			Stiff moist gray mottled brown, Cl, lean clay A-6(12)
						362.9	10			Sample No. 4-5
						359.9	11			Stiff moist gray mottled brown, Cl, silty clay A-6(11)
						357.4	12			Sample No. 4-6
						354.9	13			Medium very moist gray mottled brown, Cl, silty clay A-6(11)
						352.4	14			Sample No. 4-7
						349.9	15			Medium wet gray, SP, sand
						347.4	16			Sample No. 4-8
						344.9	17			Medium wet gray, SP, sand
						342.4	18			Sample No. 4-9
						339.9	19			Very dense wet blue gray, SP, sand
						337.4	20			Soft gray medium grained sandstone
						334.9	21			Soft gray mottled brown medium grained sandstone
						332.4	22			Soft gray mottled brown medium grained sandstone
						329.9	23			Hard gray fine grained sandstone

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30"
 Qu - Unconfined Compressive Strength - 1/ft
 w - Water Content - percentage of oven dry weight - %
 Type failure:
 B - Bulge Failure
 S - Shear Failure
 E - Estimated Value
 P - Penetrometer Value

DESIGNED *Walter Perry*
 CHECKED *R. K. ...*
 DRAWN *L. W. ...*
 CHECKED *RK*
 EXAMINED *W. B. ...*
 PASSED *C. J. ...*
 APPROVED *J. ...*
 Dec. 11 1963

BORINGS 3 & 4
 S. B. I. RT. 183 - SEC. 112B-2
 FRANKLIN COUNTY
 STA. 277+10

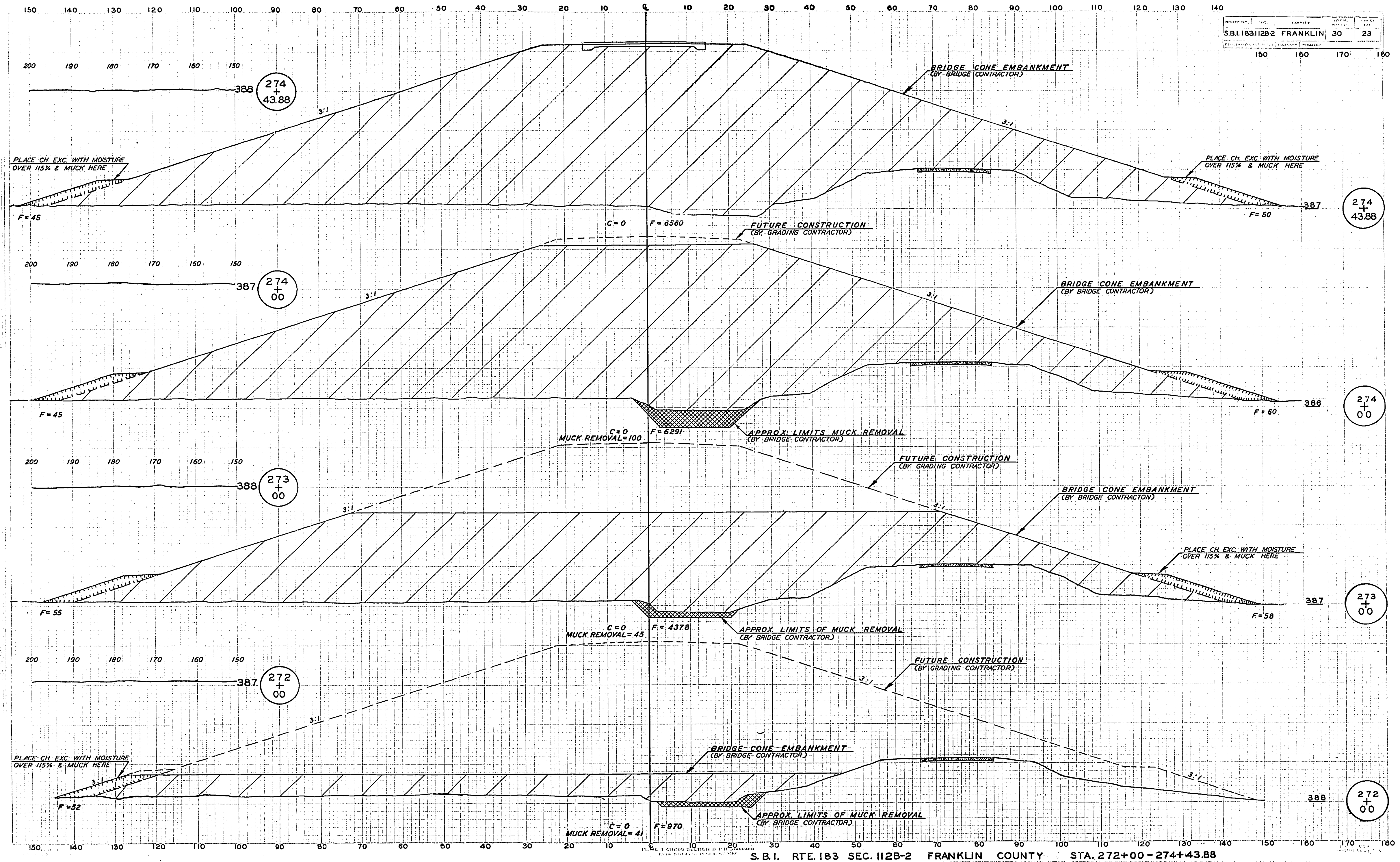




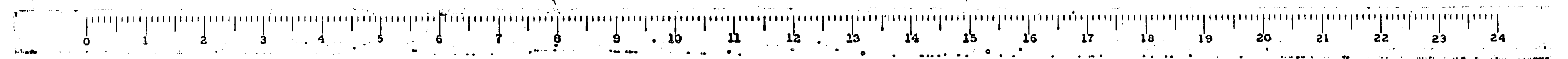
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S.B.I. 112B-2	FRANKLIN	30
STA.	TO STA.	22
112B-2	271+00	

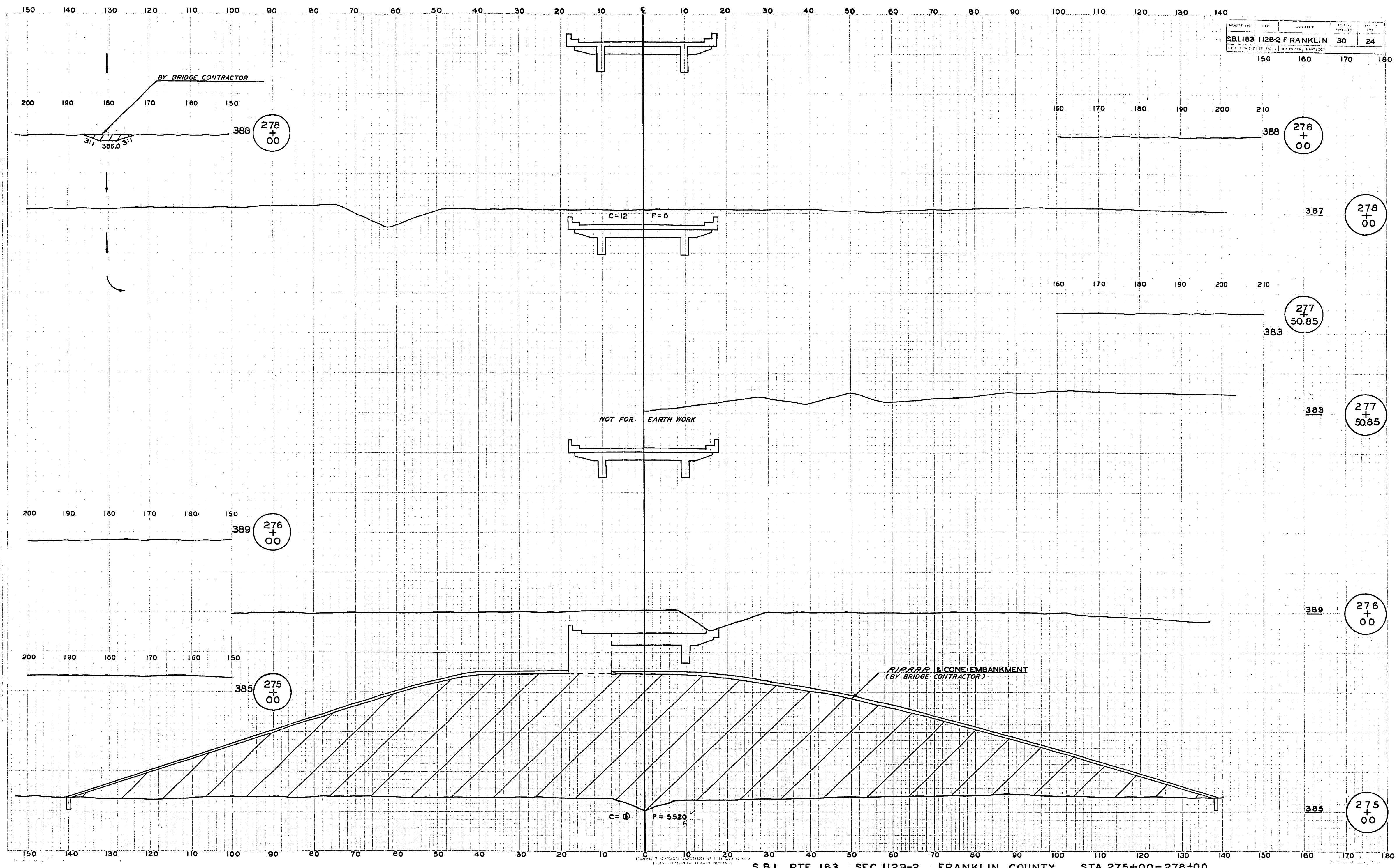
S. B. I. ROUTE 183 SECTION 112B-2 FRANKLIN COUNTY STA. 269+00 TO STA 271+00



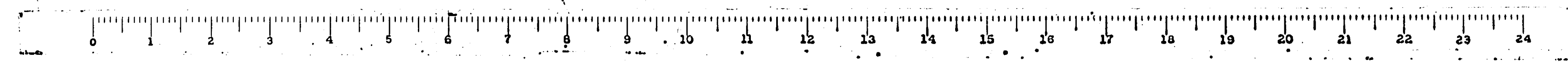


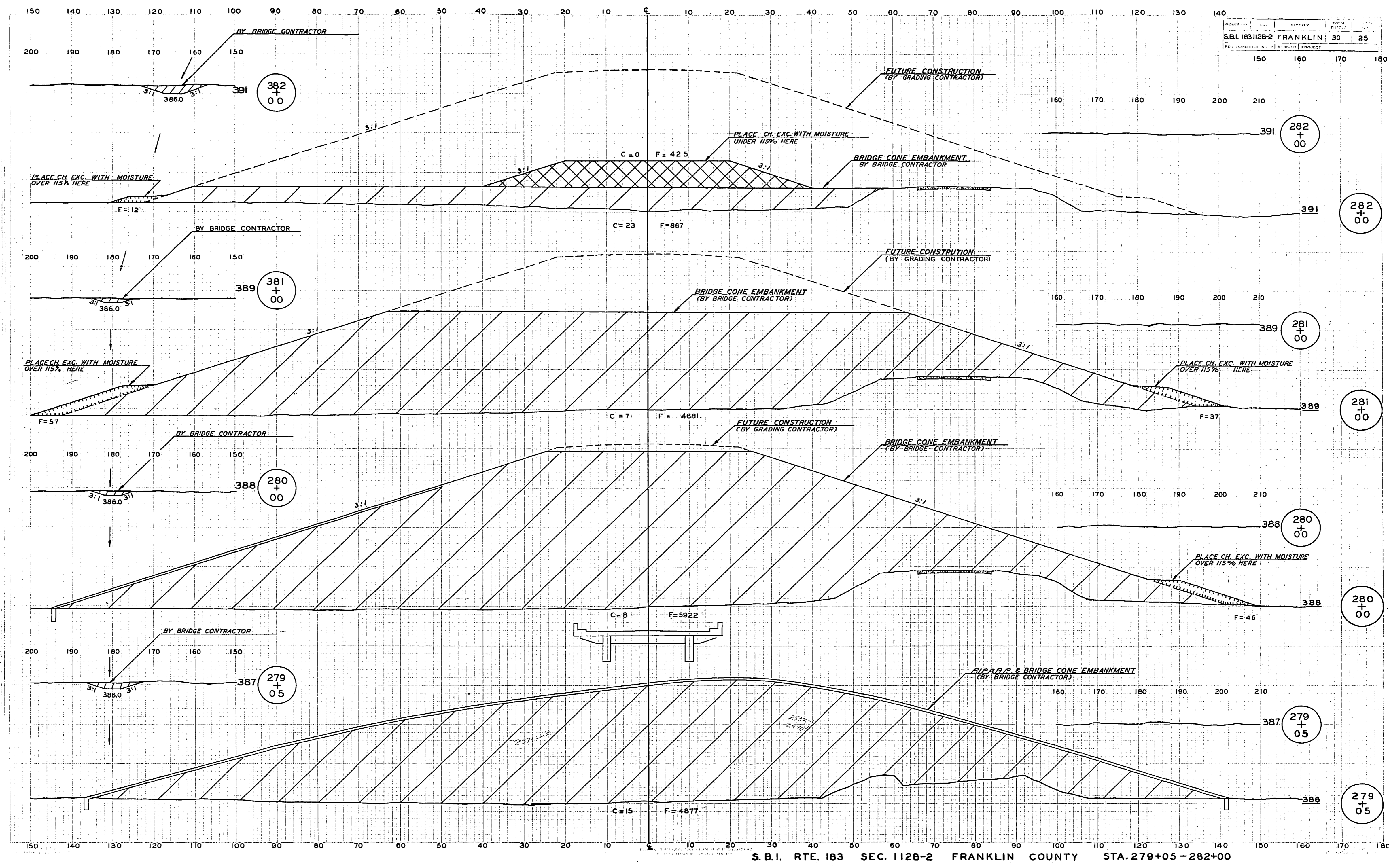
PROJECT NO.	DATE	SCALE	SHEET NO.	TOTAL SHEETS
S.B.I. 183.112B-2	FRANKLIN	30	23	





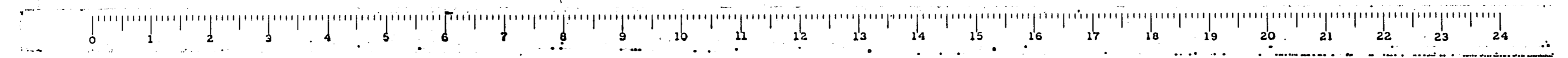
DATE	BY	CHECKED	SCALE
S.B.I. 183 112B-2	F. FRANKLIN	30	24
150	160	170	180

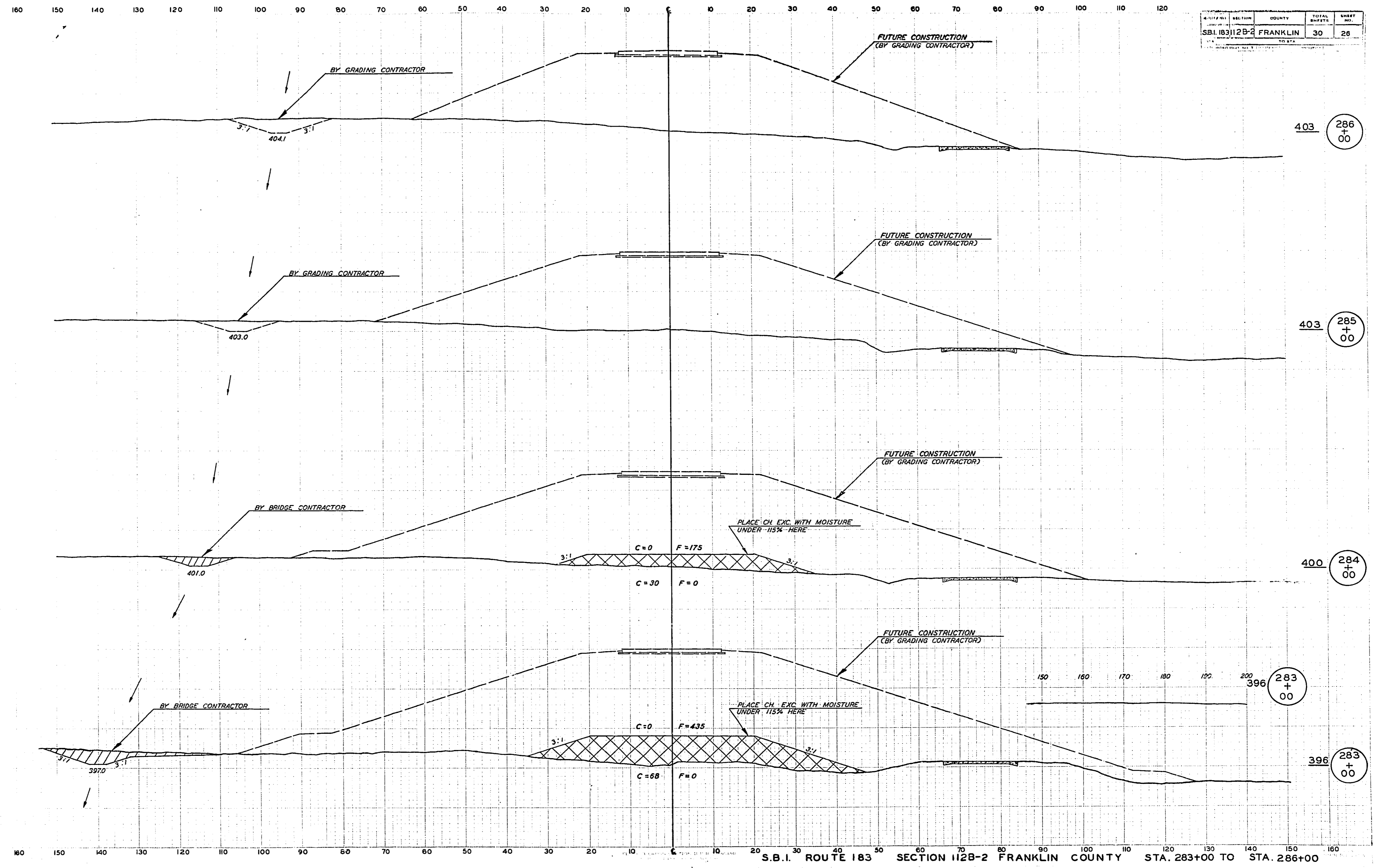




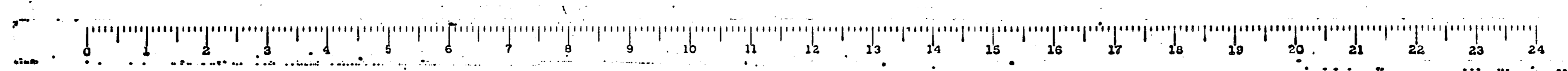
S.B.I. 183112B-2 FRANKLIN 30 25

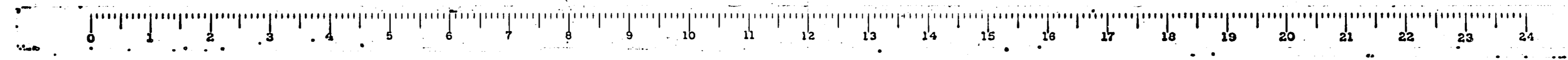
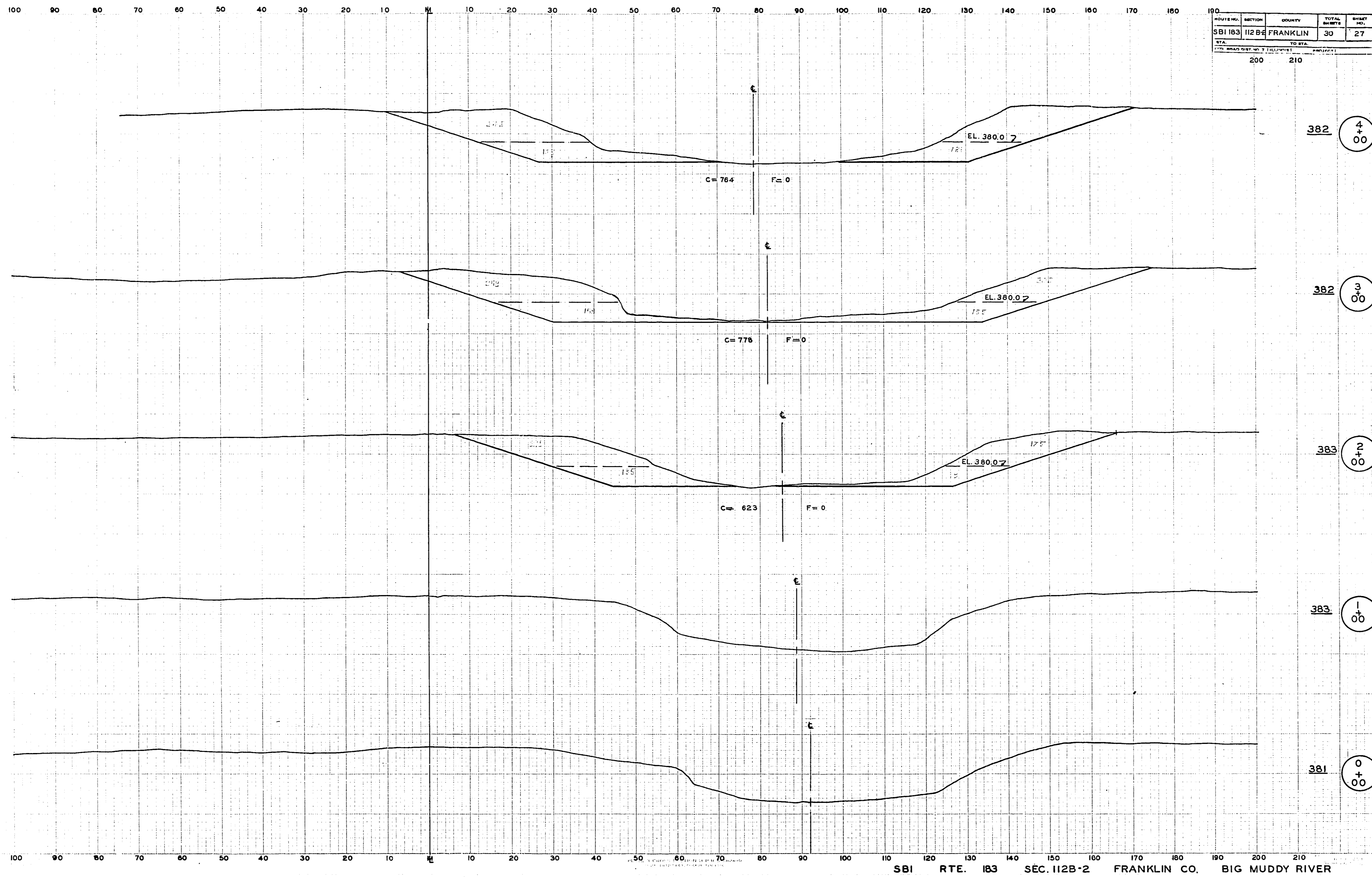
S. B. I. RTE. 183 SEC. 112B-2 FRANKLIN COUNTY STA. 279+05 - 282+00





S.B.I. ROUTE 183 SECTION 112B-2 FRANKLIN COUNTY STA. 283+00 TO STA. 286+00

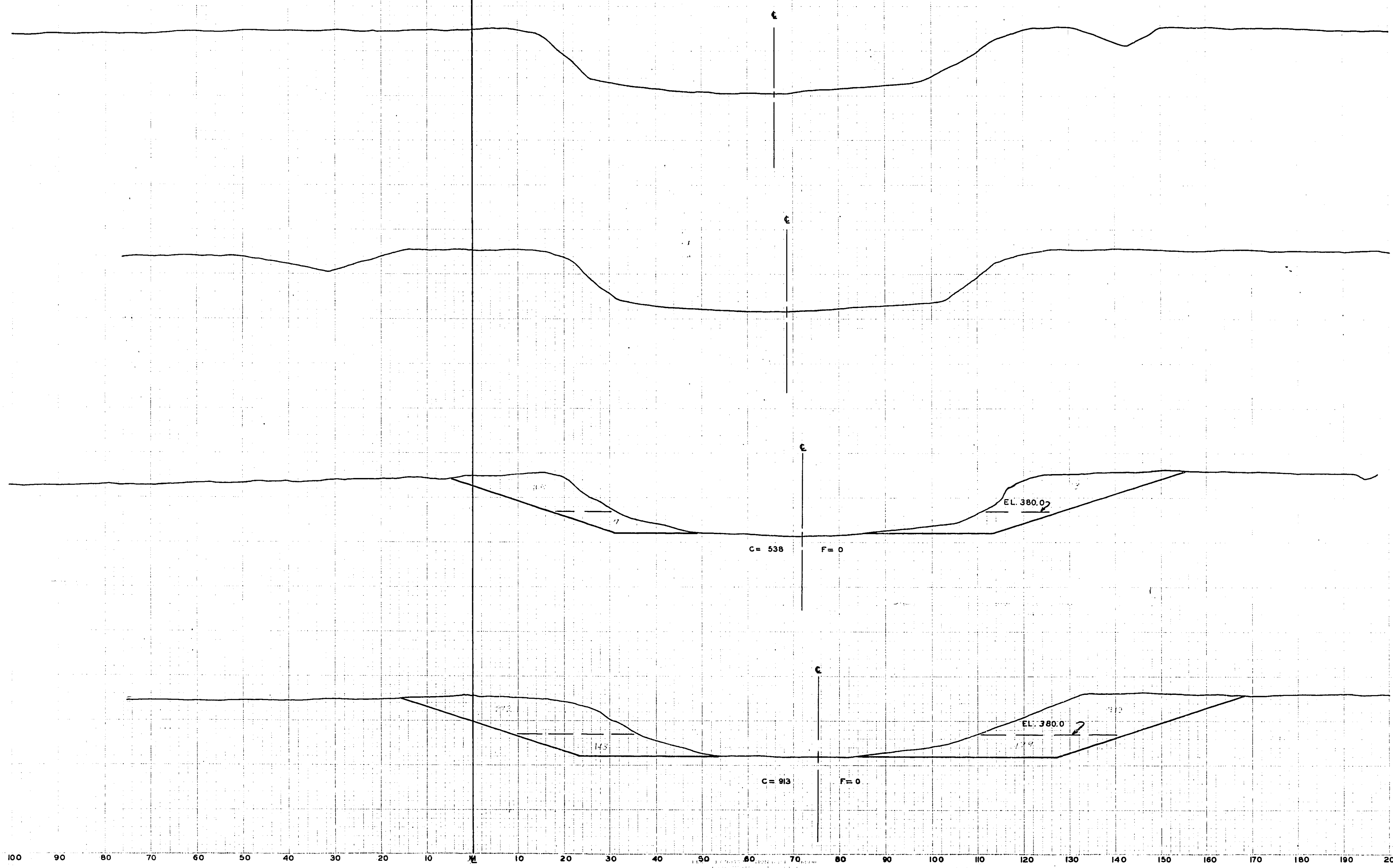




SBI RTE. 183 SEC. 112B-2 FRANKLIN CO. BIG MUDDY RIVER

100 90 80 70 60 50 40 30 20 10 M 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SB 183	112B-2	FRANKLIN	30	23
STA.	TO STA.	PROJECT		
200	210			



SBI RTE. 183 SEC. 112B-2 FRANKLIN CO. BIG MUDDY RIVER

