

Run for Letting 9/10/66

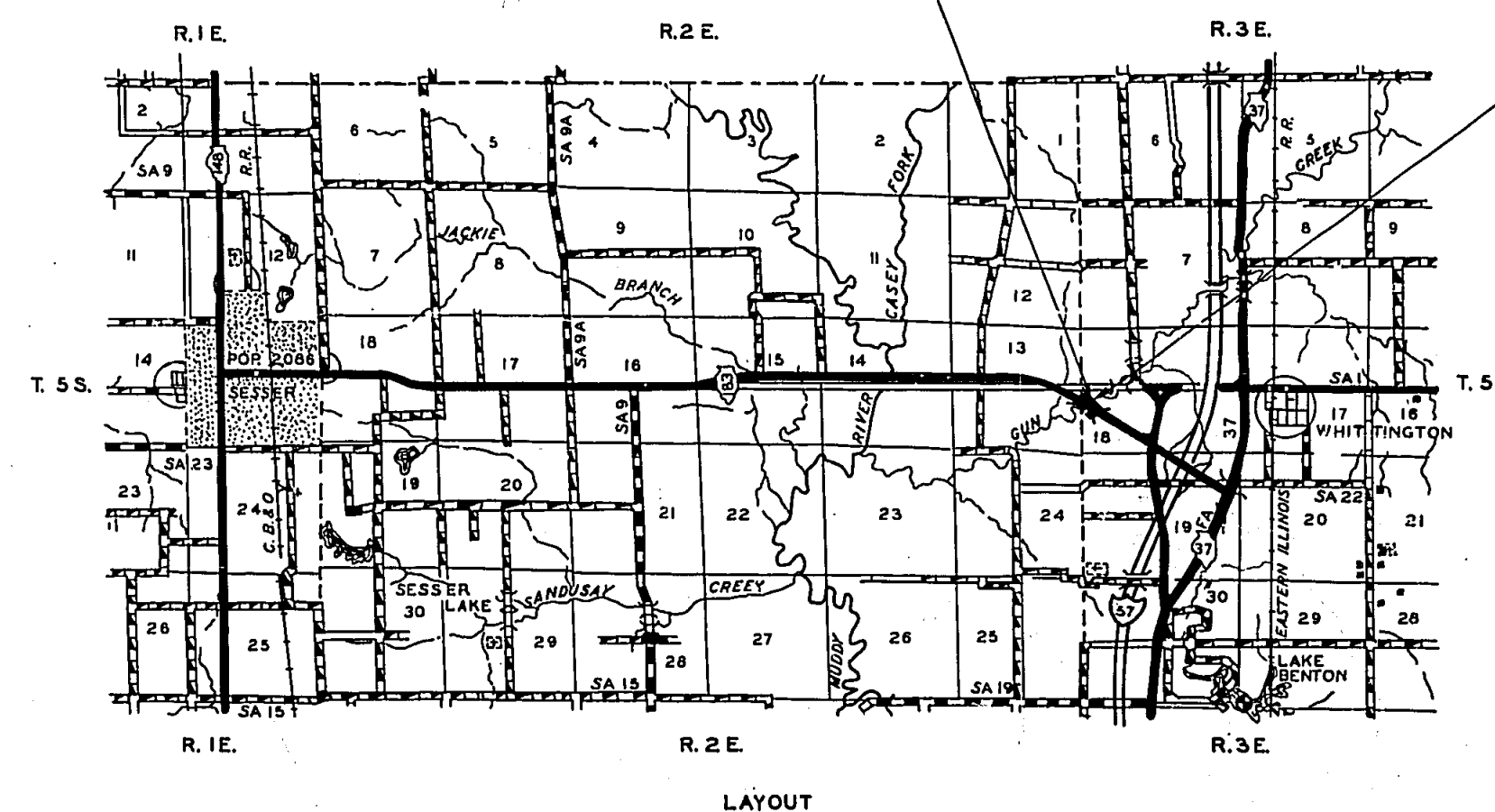
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
STATE BOND ISSUE HIGHWAY

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

S.B.I. ROUTE 183
SECTION 112, B-3
FRANKLIN COUNTY

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

A FIVE (5) SPAN W/ BEAM
BRIDGE COVER GUN CREEK)
2 SPANS @ 49'-3")
2 SPANS @ 63'-0")
1 SPAN @ 63'-1")
R.C. SOLID PIERS & PILE BENT
ABUTMENTS AT STA. 362+00
292'-2" BK. TO BK. ABUTMENTS



C-99-418-65

APPROXIMATE SCALE: 1"=1 MILE
SECTION 112B-3
NET LENGTH
291.24 LIN. FT. .555 MILES

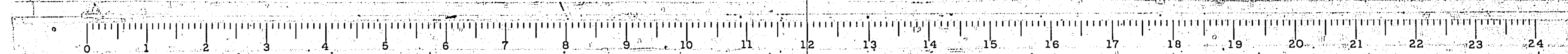
BOND ISSUE	SEC.	COUNTY	TOTAL	SHEET
S.B.I. 183	112	FRANKLIN	26	1
SEC. ROAD DIST. NO. 3	B-3	ILLINOIS	PROJECT	



STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS AND BUILDINGS DIVISION OF HIGHWAYS	
SUBMITTED	May 16, 1966
EXAMINED	May 19, 1966
PASSED	May 19, 1966
APPROVED	May 19, 1966
APPROVED	May 19, 1966

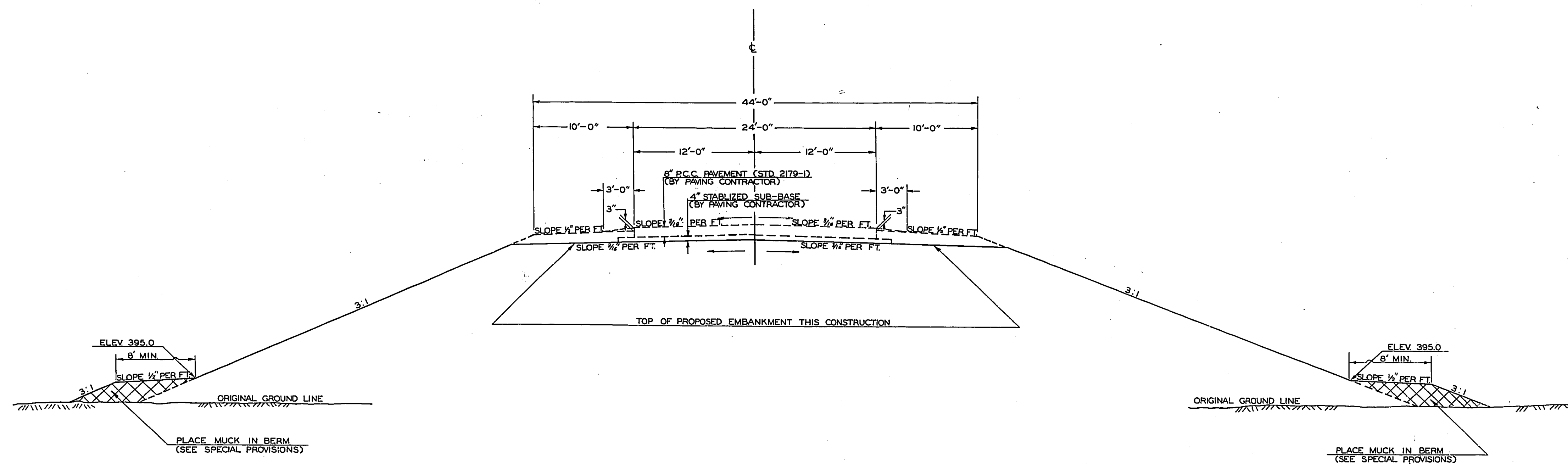
CONTRACT NO. 24616

FRANKLIN COUNTY SECTION 112 B-3 S. B. I. ROUTE 183



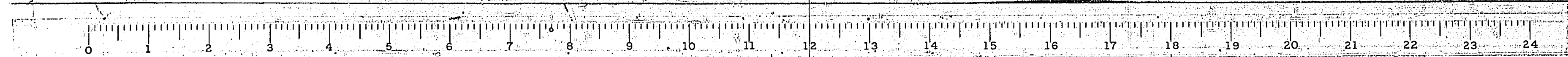
TYPICAL SECTION OF PROPOSED EMBANKMENT

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
SB1183/12B-3		FRANKLIN	26	2
FED. RD DIST. NO. 1 ILLINOIS PROJECT				



TYPICAL SECTIONS

S.B.I. ROUTE 183 SECTION 112 B-3 FRANKLIN COUNTY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBL183	112B-3	FRANKLIN	26	3
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT				

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.

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	TYPICAL SECTION
3	SUMMARY OF QUANTITIES, GENERAL NOTES, INDEX OF SHEETS
4	PLAN PROFILE STA. 345+00 TO STA. 375+00
5	CHANNEL CHANGE
6-18	BRIDGE PLANS
19-23	MAINLINE CROSS SECTIONS
24	GUN CREEK CHANNEL CHANGE CROSS SECTIONS
25	STD. 2114 FLAGMAN SIGN STD. 2165 ROAD UNDER CONSTRUCTION SIGN
26	STD. 1886-2 STANDARD SYMBOLS, STD. 2113-1 BRIDGE NAME PLATE

SHEET NO.

DESCRIPTION

BALANCE QUANTITIES							
BAL. NO.	LIMITS STA.	TOSTA.	EARTH EX.	BORROW EX.	CHAN EX.	MUCK REMOV.	EMBANKMENT
I	358+04	TO 369+00	1841	52,262	6950	715	51,612
TOTALS			1841	52,262	6950	715	51,612

REMARKS

- (1) PLACE 6670 CU. YD. CH. EX.
IN CORE OF FUTURE RDWY. EMB.
(SEE STA' X-SEC. & SPEC. PROV.)
- (2) PLACE 310 CU. YDS. MUCK IN BERMS
AND WASTE THE REMAINDER AS
DIRECTED BY THE ENGINEER.
- (3) 39,600 CU. YDS. BORROW IN WEST BRIDGE CONE,
12,662 CU. YDS. BORROW AND 1841 CU. YDS. EARTH
EXCAVATION IN EAST BRIDGE CONE.

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

EXAMINED BY: Arnold Swain
DIST. CONST. ENGINEER

EXAMINED BY: Thompson
DIST. MAINT. ENGINEER

EXAMINED BY: W. S. Chapman
DIST. TRAFFIC ENGINEER

EXAMINED BY: Frank P. Brock
DIST. MATERIALS ENGINEER

EXAMINED BY: R. D. Miller
DIST. R.O. ENGINEER

APPROVED: Jan 6 1966
DISTRICT ENGINEER

V. K. King
DATE

4/23/66 - Deleted: Engr. Field Office B
Added: Engr. Field Office A &
Engr. Field Lab. - GHL

S. B. I.	ROUTE	183	SECTION	112B-3	FRANKLIN	COUNTY
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PROJECT NO.	SHEET NO.	COUNTY	SHEET NO.	SHEET NO.
SD1103	112B-3	FRANKLIN	20	3

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.

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	QUANTITY	TOTAL QUANTITY
			STA. 302+00 CONSTRUCTION CODE X031	
010005	TREE REMOVAL, ACRES	ACRE	5.3	5.3
011001	EARTH EXCAVATION	CU. YD.	1841	1841
011018	MUCK REMOVAL	CU. YD.	715	715
012001	CHANNEL EXCAVATION	CU. YD.	6950	6950
013001	BORROW EXCAVATION	CU. YD.	52,262	52,262
018003	WATER APPLIED	UNIT	14	14
050001	CLASS A EXCAVATION FOR STRUCTURES	CU. YD.	860	860
050002	CLASS B EXCAVATION FOR STRUCTURES	CU. YD.	290	290
052003	CLASS X CONCRETE	CU. YD.	707.9	707.9
052021	PROTECTIVE COAT	SQ. YD.	1316	1316
054001	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	262,920	262,920
059001	REINFORCEMENT BARS	POUND	105,860	105,860
060005	FURNISHING CREOSOTED PILES, 201 - 38 FEET	LIN. FT.	150	150
060006	FURNISHING CREOSOTED PILES, OVER 38 FEET	LIN. FT.	240	240
060008	DRIVING TIMBER PILES	LIN. FT.	390	390
060026	FURNISHING STEEL PILES 10BP42	LIN. FT.	2978	2978
060035	TEST PILE STEEL 10BP42	EACH	2	2
060037	DRIVING STEEL PILES	LIN. FT.	2978	2978
061001	NAME PLATES	EACH	1	1
Z01379	ENGINEER'S FIELD LABORATORY	EACH	1	1
Z00004	ALUMINUM HANDRAIL	LIN. FT.	578	578
Z01023	BRIDGE SEAT SEALANT	LUMP SUM	1	1
062016	BEDDING MATERIAL	TONS	1,710	1,710
062018	Riprap Type B, 16"	TONS	3,740	3,740
Z01399	ENGINEER'S FIELD OFFICE TYPE A	EACH	1	1

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	TYPICAL SECTION
3	SUMMARY OF QUANTITIES, GENERAL NOTES, INDEX OF SHEETS
4	PLAN PROFILE STA. 345+00 TO STA. 375+00
5	PLAN SHEET FOR BORROW PIT AS BUILT CHANNEL CHANGE
6-18	BRIDGE PLANS
19-23	MAINLINE CROSS SECTIONS
24	GUN CREEK CHANNEL CHANGE CROSS SECTIONS
25	STD. 2114 FLAGMAN SIGN STD. 2165 ROAD UNDER CONSTRUCTION SIGN
26	STD. 1888-2 STANDARD SYMBOLS, STD. 2113-1 BRIDGE NAME PLATE

BALANCE QUANTITIES

BAL. NO.	LIMITS STA. TO STA.	EARTH EX.	BORROW EX.	CHAN EX.	MUCK REMOV.	EMBANKMENT
1	358+04 TO 369+00	1841	52,262	6950	715	5,612
TOTALS		1841	52,262	6950	715	5,612

REMARKS

- PLACE 6870 CU. YD. CH. EX. IN CORE OF FUTURE RDWY. EMB. (SEE STA. X-SEC. & SPEC. PROV.)
- PLACE 380 CU. YDS. MUCK IN BERMS AND WASTE THE REMAINDER AS DIRECTED BY THE ENGINEER.
- 39,600 CU. YDS. BORROW IN WEST BRIDGE CONE 12,662 CU. YDS. BORROW AND 18,411 CU. YDS. EARTH EXCAVATION IN EAST BRIDGE CONE.

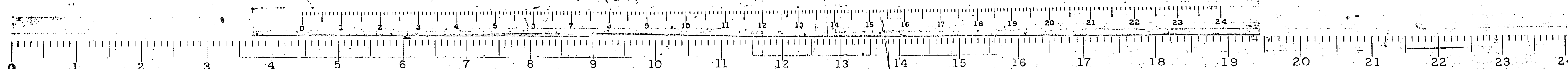
PREPARED BY:	<i>R. D. Miller</i> DIST. DESIGN ENGINEER
EXAMINED BY:	<i>Frank P. Borch</i> DIST. CONST. ENGINEER
EXAMINED BY:	<i>Frank P. Borch</i> DIST. MAINT. ENGINEER
EXAMINED BY:	<i>Frank P. Borch</i> DIST. TRAFFIC ENGINEER
EXAMINED BY:	<i>Frank P. Borch</i> DIST. MATERIALS ENGINEER
EXAMINED BY:	<i>Frank P. Borch</i> DIST. R. D. W. ENGINEER
APPROVED:	<i>Jan 16 1966</i> DISTRICT ENGINEER DATE

S. B. I. ROUTE 183 SECTION 112B-3 FRANKLIN COUNTY

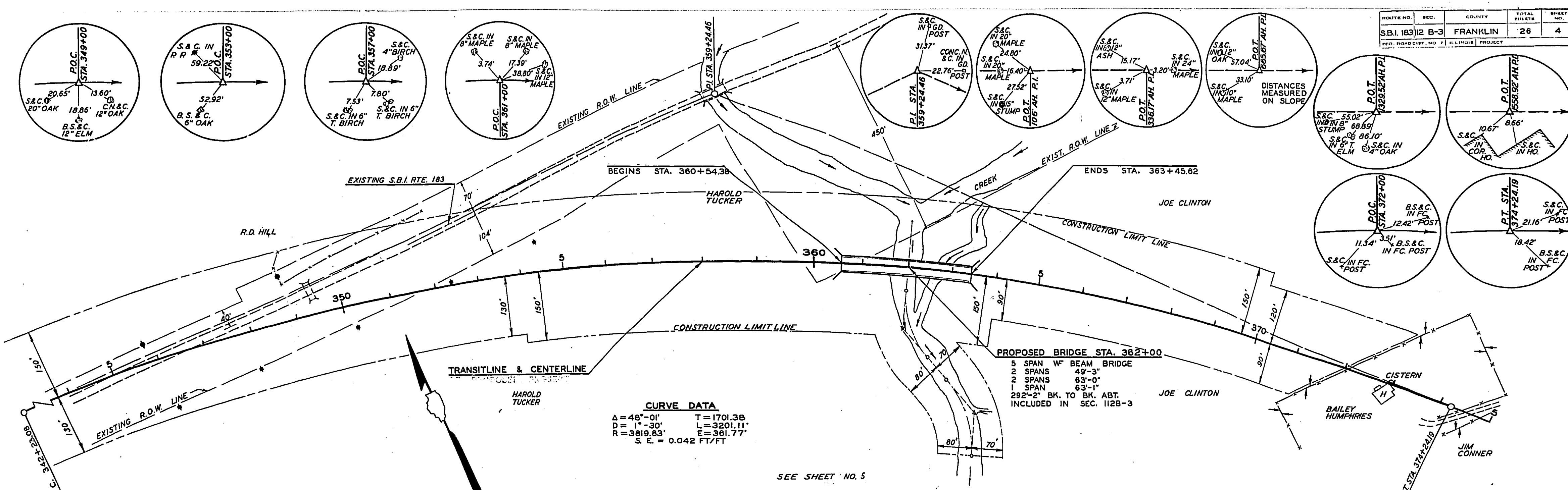
11-9-66 ADDED SHEET 4A - SEE U

6/23/66 - Deleted: Eng. Field Office B
Added: Eng. Field Office A & C
6/23/66 - Deleted: Eng. Field Office B

REV. 4/18/66 QUANTITY OF RAMP BARS INCREASED BY 4,940 LBS.
Rev. 4/18/66 1/13/66 N.M.D. Added Bedding Material 2170 Tons
Rev. 4/18/66 1/13/66 N.M.D. Added Riprap Type B, 16" 3,740 Tons

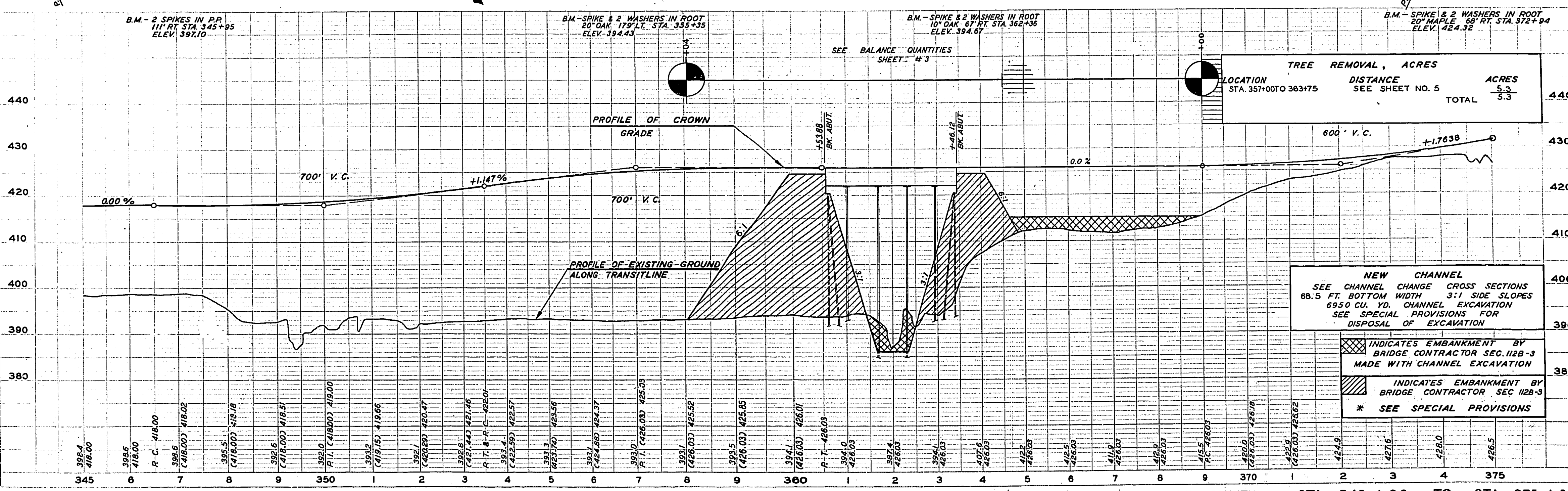


ROUTE NO.	SEC.	COUNTY	TOTAL MILES	SHEET NO.
S.B.I. 183	112 B-3	FRANKLIN	26	4
FED. ROAD DIST. NO. 71 ILLINOIS PROJECT				



CURVE DATA
 $\Delta = 46^{\circ}-01'$ $T = 1701.38$
 $D = 1^{\circ}-30'$ $L = 3201.11'$
 $R = 3819.83'$ $E = 361.77'$
 $S.E. = 0.042$ FT/FT

PROPOSED BRIDGE STA. 362+00
 5 SPAN W' BEAM BRIDGE
 2 SPANS 49'-3"
 2 SPANS 63'-0"
 1 SPAN 63'-1"
 292'-2" BK. TO BK. ABT.
 INCLUDED IN SEC. 112B-3



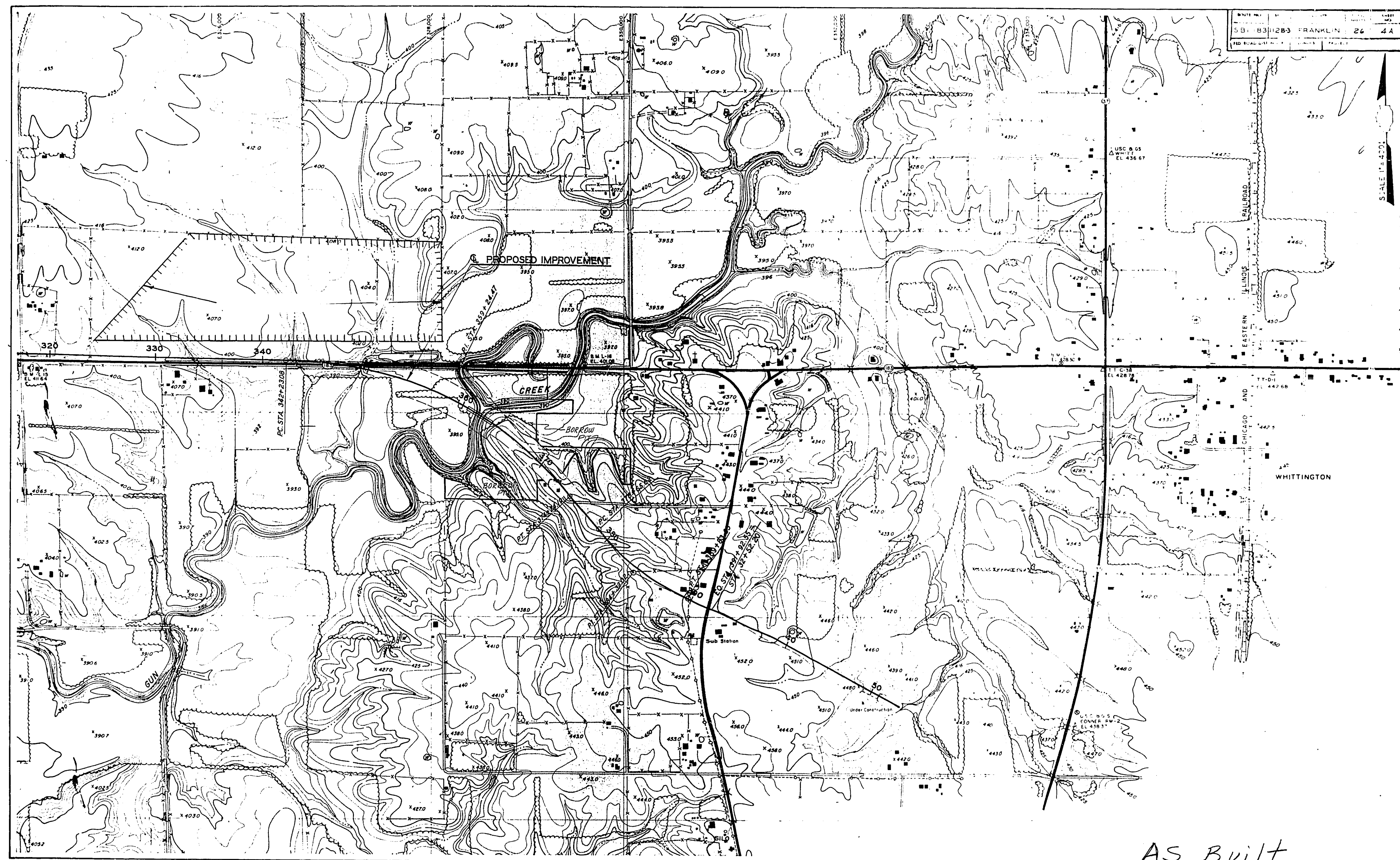
TREE REMOVAL, ACRES		
LOCATION	DISTANCE	ACRES
STA. 357+00 TO 363+75	SEE SHEET NO. 5	<u>5.3</u>
	TOTAL	5.3

NEW CHANNEL
 SEE CHANNEL CHANGE CROSS SECTIONS
 68.5 FT. BOTTOM WIDTH 3:1 SIDE SLOPES
 6950 CU. YD. CHANNEL EXCAVATION
 SEE SPECIAL PROVISIONS FOR
 DISPOSAL OF EXCAVATION

INDICATES EMBANKMENT BY
 BRIDGE CONTRACTOR SEC. 112B-3
 MADE WITH CHANNEL EXCAVATION

INDICATES EMBANKMENT BY
 BRIDGE CONTRACTOR SEC. 112B-3
 * SEE SPECIAL PROVISIONS

PLATE 1—PLAN PROFILE R.P. STARKS
 THE FREDERICK POST CO., CHICAGO



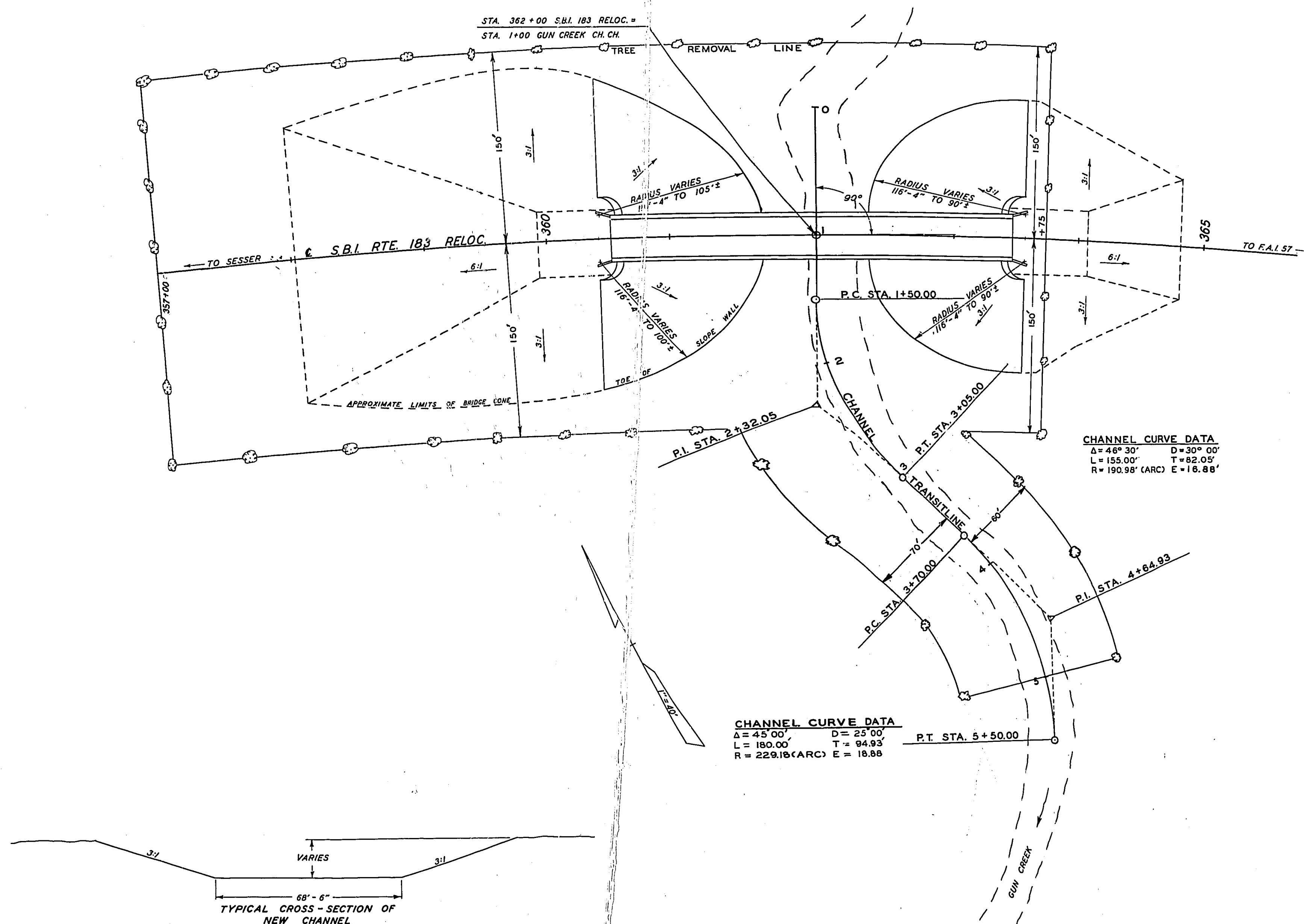
SPECIAL SHEET - PROPOSED BORROW PIT

AS BUILT

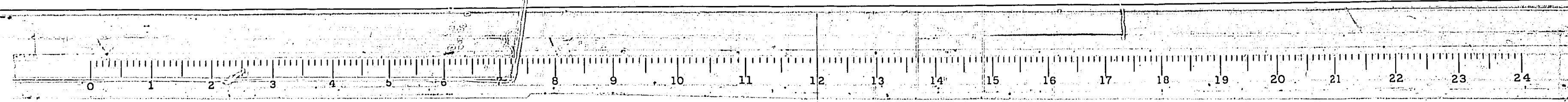
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

GUN CREEK CHANNEL CHANGE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 183	112B-3	FRANKLIN	26	5
STA.		TO STA.		
PED. ROAD DIST. NO. 7 (ILLINOIS)		PROJECT		



S.B.I. RTE. 183 SEC. 112B-3 FRANKLIN CO.



3" M. Spike & Washer in roof of 10" oak 67" R. Sta 362+36
 El. 394.67
 Existing Structure: 3 simple span I-Beam,
 Precast Conc. Piles, 21" R.Wy. width.
 To be removed by Contractor for
 Sec. 112-A

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

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
U.S. 112	112	FRANKLIN	26	6
F.R.D. NO.	112	FRANKLIN	26	6

SHEET NO. 1
 13 SHEETS

GENERAL NOTES

Coarse aggregate to be used in the conc. for parapet handrails & end post must be absolutely free of chert, flint, limonite, lignite and soft sandstone.

Class X Concrete shall be used thru-out.
 The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
 The curb and slab outside of longitudinal bonded construction joints, shown on Cross Section, shall be poured monolithically.

For stone riprap protection of slopes see Special Provisions.
 Layout of riprap may be varied to suit ground conditions in the field, as directed by the Engr.

All reinf. bars shall be lapped 20 dia. unless otherwise shown.
 Rivets 3/8" open holes 1/2" unless otherwise noted.
 All rockers, bolsters, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Art. 51.15 of the Std. Specifications and are included in quantity of Structural Steel. Estimated weight 9750 Lbs.
 Anchor bolts shall be set before riveting diaphragms over supports.

Expansion guardbars included in the quantity of Structural Steel. Estimated weight 1,670 Lbs.
 The exposed surfaces of the expansion guard 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.

Except as otherwise provided all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Art. 56.1 to 56.5 inclusive of the Standard Specifications.

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

All structural steel shall comply with the specification for structural steel ASTM Designation A-36.

The Contractor shall drive two (2) test piles, one (1) steel pile (100P42) at N. Abut. and one (1) steel pile (100P42) at Pier 3 in permanent location as directed by the Engineer before ordering the remaining piles.

TABLE OF MOMENTS AND REACTIONS - INTERIOR BEAM

Moments - Ft. kips						Reactions - Kips		
	Span 1	Pier 1	Span 2	Pier 2	Span 3	Abut.	Pier 3	Pier 4
D.L.	+143.4	-300.8	+141.3	-316.7	+133.4	16.1	56.8	57.4
L.L.	+280.5	-580.5	+282.8	-589.7	+284.0	31.9	40.5	42.1
Imp.	+61.3	-129.9	+61.1	-132.2	+61.4			
Total	+505.2	-1011.2	+505.2	-1038.6	+508.8	48.0	97.3	99.5

D.L. = Dead Load L.L. = Live Load Imp. = Impact

TOTAL BILL OF MATERIAL

Item	Super	Sub	Total
Bedding Material	1000		2,550
Rip-rap Type B, 16"	1000		4,200
Class A Excavation	Cu Yds.		860
Class B Excavation	Cu Yds.		290
Class X Concrete	Cu Yds.	3177	3902
Structural Steel	Lbs.	668,920	668,920
Aluminum Parapet	Lbs.	278	278
Reinforcement Bars	Lbs.	74,120	103,860
Creosoted Piles 24" x 36" Lin. Ft.		150	150
Steel Piles 100P42	Lin. Ft.	2,978	2,978
Test Piles Steel 100P42	Lin. Ft.	2	2
Name Plates		1	1
Protective Coat	Sq. Yds.		1316
Bridge Joint Sealant	Linear Feet		1
Creosoted Piles over 36" Lin. Ft.			240

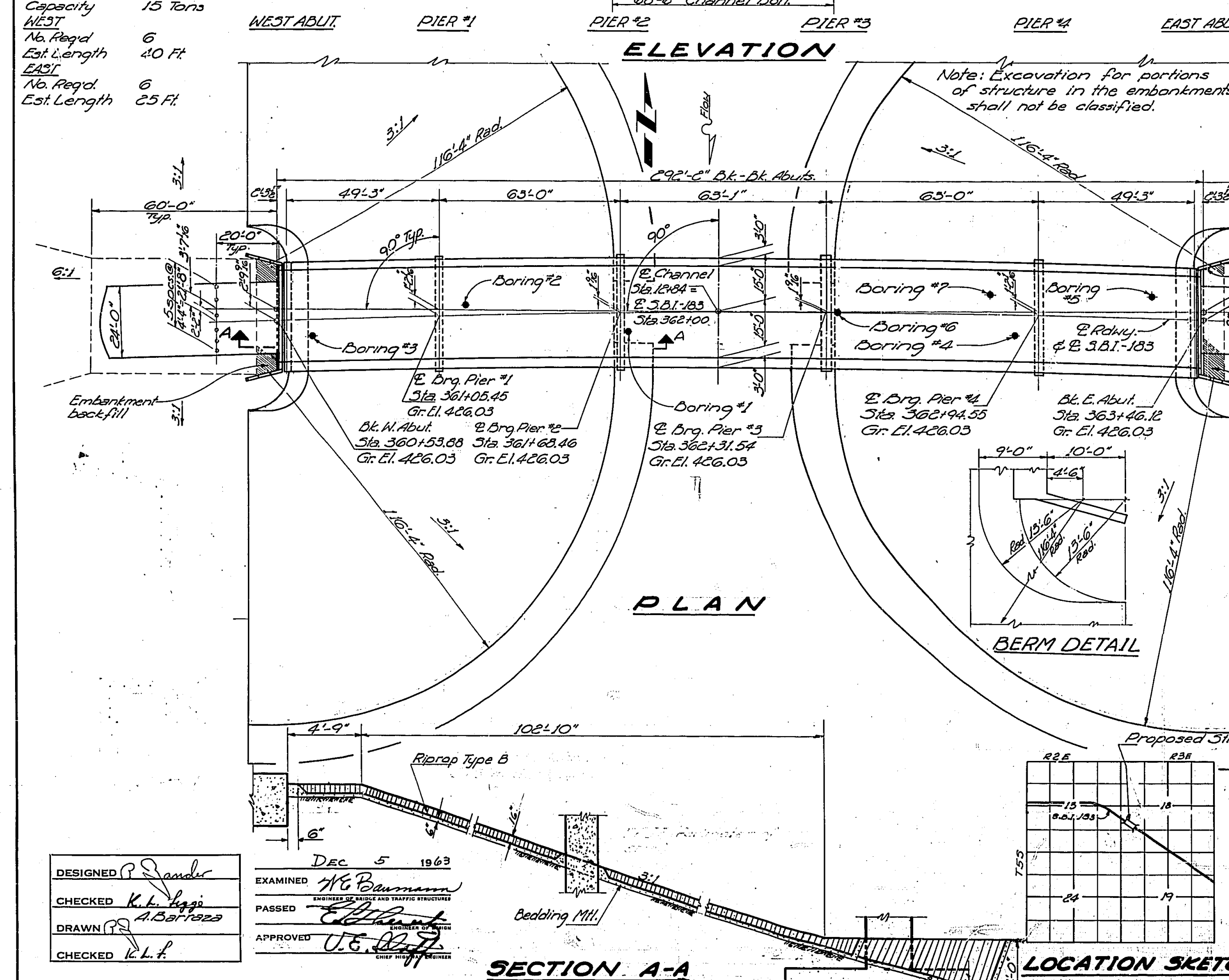
* Includes excavation for riprap.

** Applied at Abutts.

GENERAL PLANE ELEVATION
 GUN CREEK
 S.B.I. RT. 113 SEC. 112B-3
 FRANKLIN COUNTY
 STA. 362+00

CREOSOTED APPR. PILES

Capacity 15 Tons
 WEST
 No. Req'd 6
 Est. Length 40 Ft.
 EAST
 No. Req'd 6
 Est. Length 25 Ft.



BRIDGE RA-29 STATION 362+00
 STATE OF ILLINOIS
 S.B.I. RT. 113 SEC. 112B-3
 U.S. ARMY
 CORPS OF ENGINEERS
 ST. LOUIS DISTRICT
 BUILT 1966 HSEO

NAME PLATE

See Std. E113-1 except as shown.

HORIZ. CURVE DATA

P.I. Sta. 359+24.46
 Δ = 48°-01'
 D = 1°-30'
 R = 3819.83'
 T = 1701.35'
 L = 3201.11'
 E = 361.77'
 SE = 0042°

WATERWAY INFORMATION

Drainage Area - 29.250 Acres
 Character - Level, wooded, cultivated
 Required Opening - (30 yr. R) 1339.3g ft.
 (below El. 399.0)
 Required Opening for Pool - 2,220.3g ft.
 (below El. 410.2)
 Proposed Opening - 1339.3g ft.
 (below El. 399.0)
 Proposed Opening - 3287.3g ft.
 (below El. 410.2)

DESIGN STRESSES

f_c = 1400 psi Super. F. Sub.
 f_c = 75 psi. Figs.
 f_s = 20,000 psi. Reinf.
 f_s = 20,000 psi. Struct. (A-36 Steel)
 n = 10
 Allowable 1/2 Deflection 1/200

LOADING HSEO-44

DESIGNED R. Sander
 CHECKED K. L. L.
 DRAWN R. Sander
 EXAMINED H. C. Blum
 PASSED E. C. Blum
 APPROVED U. S. Blum

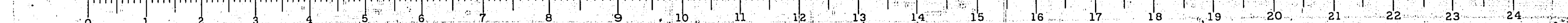
SECTION A-A

LOCATION SKETCH

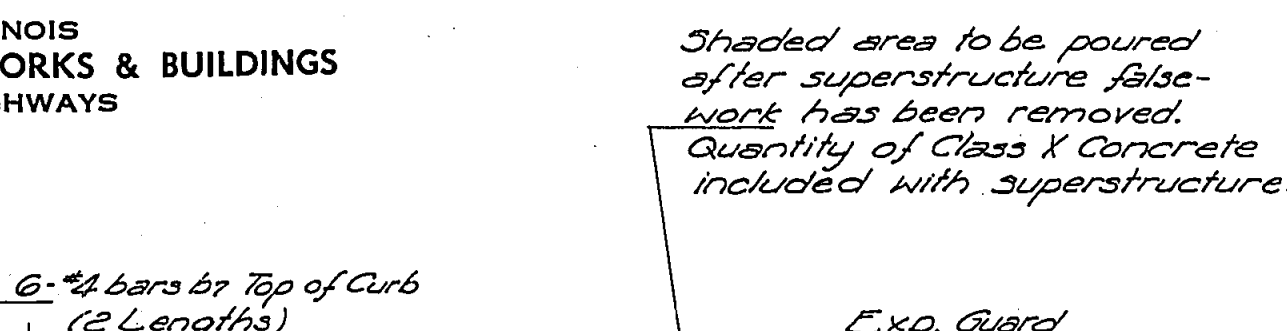
Rev. 2/11/66 Quantity of Embankment & Berms Etc. changed from 25' to 24' in Super.
 In the 4' of 24' shown the part of abut.
 Stationing 362+00 to 362+100

Rev. 2/11/66 Split Canal pile guard, < 15' to 14' of pile and the 15' pile guard
 351/66

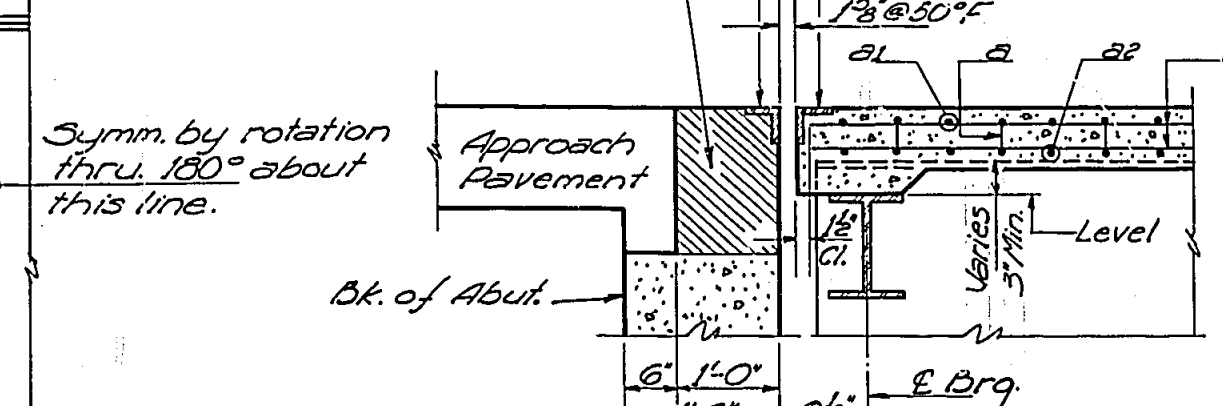
Rev. 11/11/66 Slope fill changed to 2:1
 In 4' of 24' shown the 15' pile guard
 11/11/66



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6
U. S. 1/183 P. A.	112B-3	FRANKLIN	26	7	13 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT.		



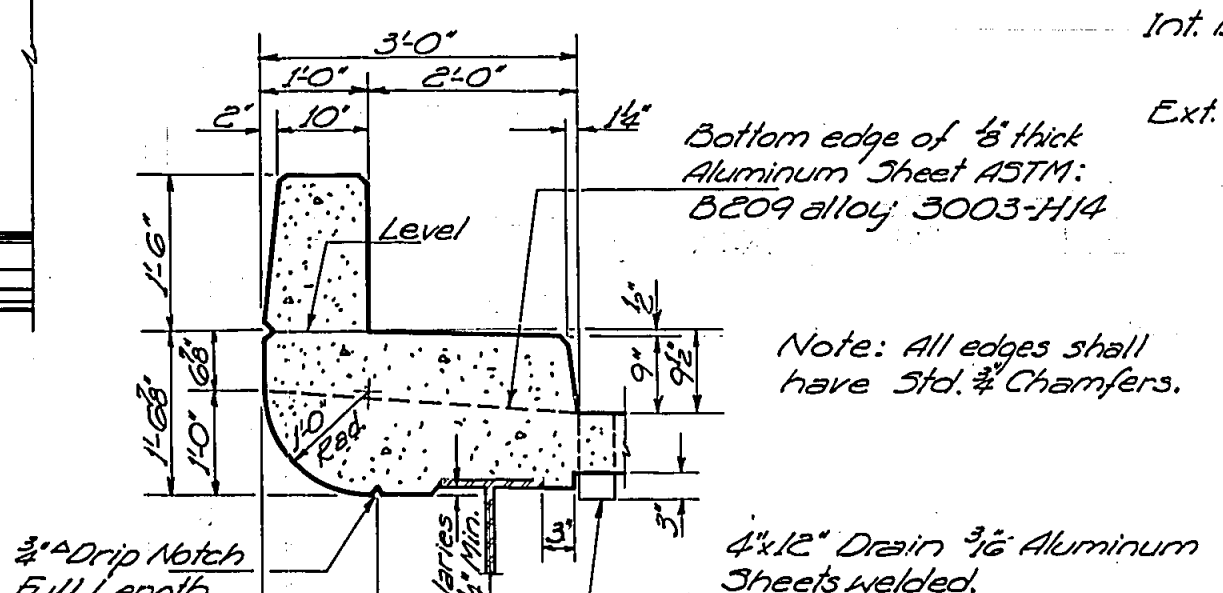
SECTION A-A



SECTION A-A

STANDARD FILLET DETAIL

To determine "4": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sh1.
 *12. These elevations subtracted from the "Grade Elevations Adjusted for Dead Load Deflections" shown on sheet "12 minus slab thickness, equals the fillet heights "1" above top of beams.

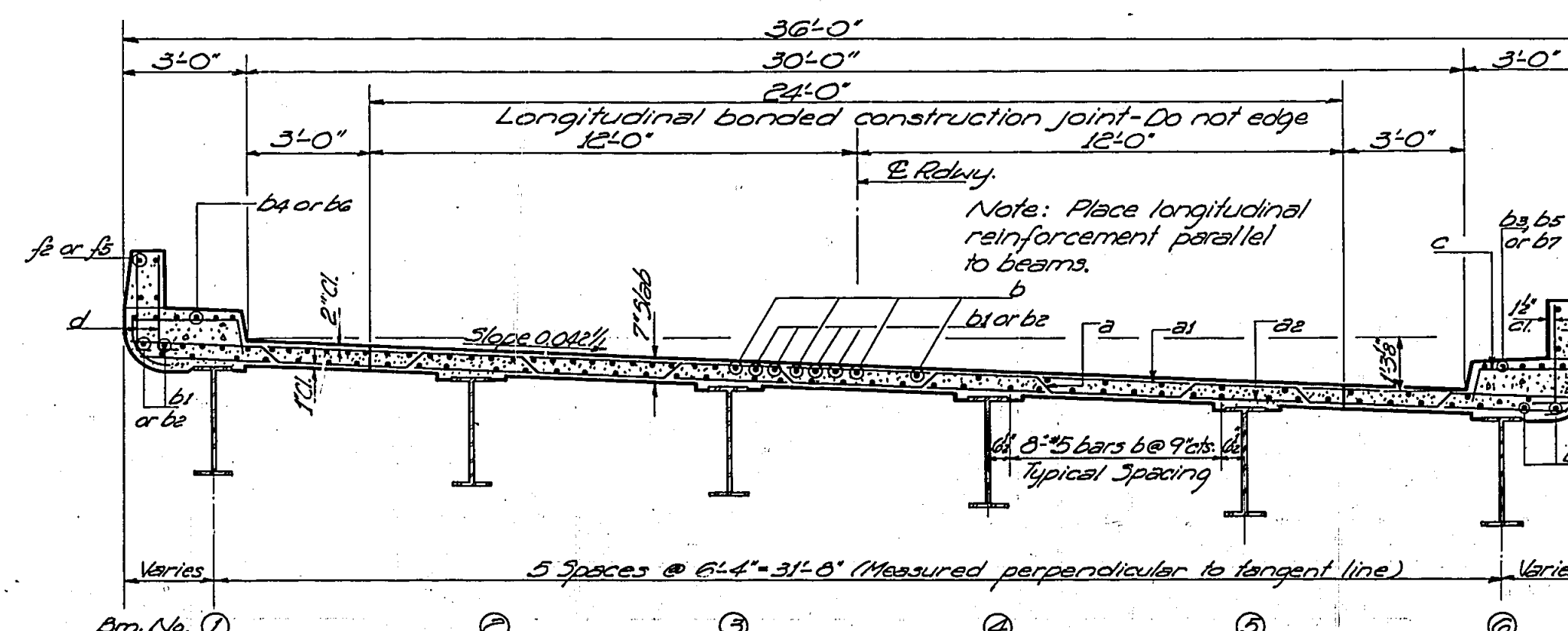


CURB DETAIL

Cost of aluminum sheets and drains shall be incidental to Class X Concrete



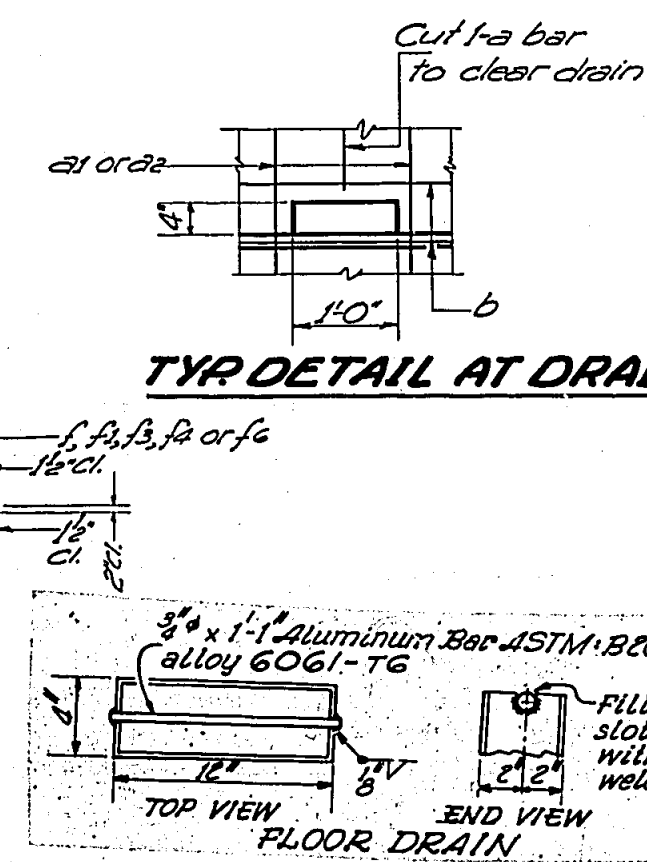
Place drains along South Curb only.



OVER PIERS

CROSS SECTION

AT MIDSPAN



TPR DETAIL AT DRAIN

<u>BILL OF MATERIAL</u>				
<u>Bar</u>	<u>No.</u>	<u>Size</u>	<u>Length</u>	<u>Shape</u>
a	230	"6	36'10"	_____
b1	231	"6	35'17"	_____
b2	231	"6	35'2"	_____
c	336	"5	37'3"	_____
d1	96	"6	17'10"	_____
d2	96	"6	18'10"	_____
e3	48	"2	21'3"	_____
e4	48	"2	21'1"	_____
f3	48	"2	23'6"	_____
f4	48	"2	24'1"	_____
g7	24	"2	23'2"	_____
c	578	"2	53'8"	_____
Class A Concrete Curb				222.5
Structural Steel Lbs.				262,920
Reinf. Bars				Lbs. 67,900

SUPERSTRUCTURE
S.B.I. RT. 183 SEC. 112B-3
FRANKLIN COUNTY
STA. 362+00

DESIGNED *PJ Jander*
CHECKED *K.L. Leggi*
DRAWN *PJ A. Barraza*
CHECKED *K.L.L.*

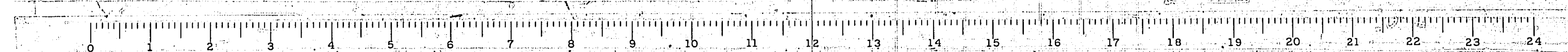
DEC 5 1963

EXAMINED *H.E. Baumann*
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

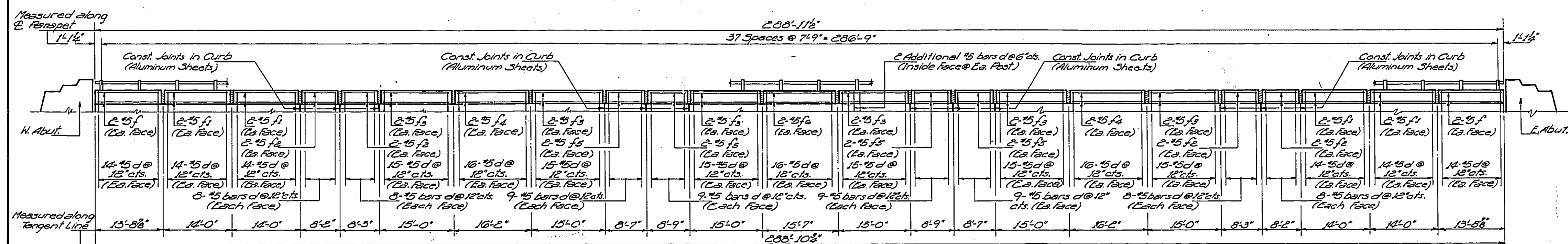
PASSED *E. E. Hent*
ENGINEER OF DESIGN

APPROVED *U.E. R. [Signature]*
CHIEF TRAFFIC ENGINEER

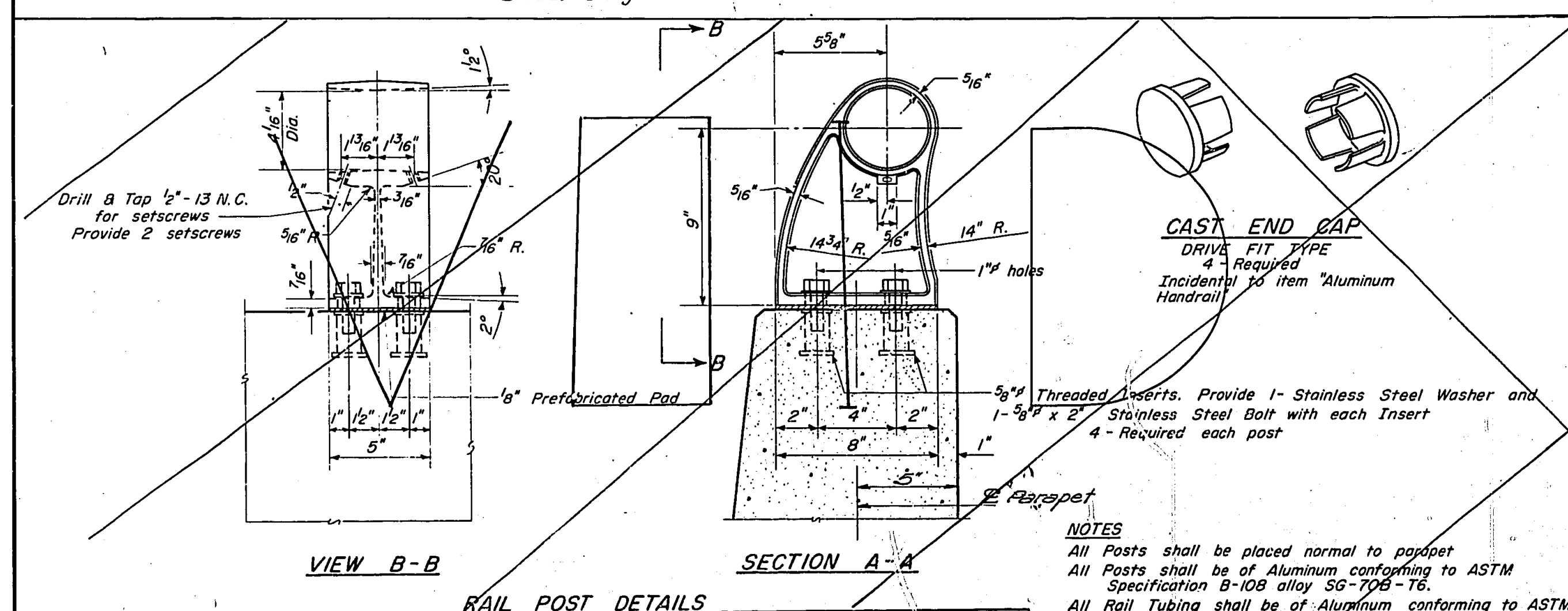
Rev. 2/18/66 Added FLOOR DRAIN Detail
Bars a & a' chgd. from #6 to #6. Reinf. chgd. in slab from 140" cts. to 145" cts.
Quantity increased in Reinf. Bars by 2,760 lbs.
Bar a' length chgd.
Chgd. clearance in 400' slab from 16" to 2"



ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO	SHEET NO. 3 13 SHEETS
183	112B-3	FRANKLIN	26	8	
FED ROAD DIST NO 7		ILLINOIS			FED AID PROJECT



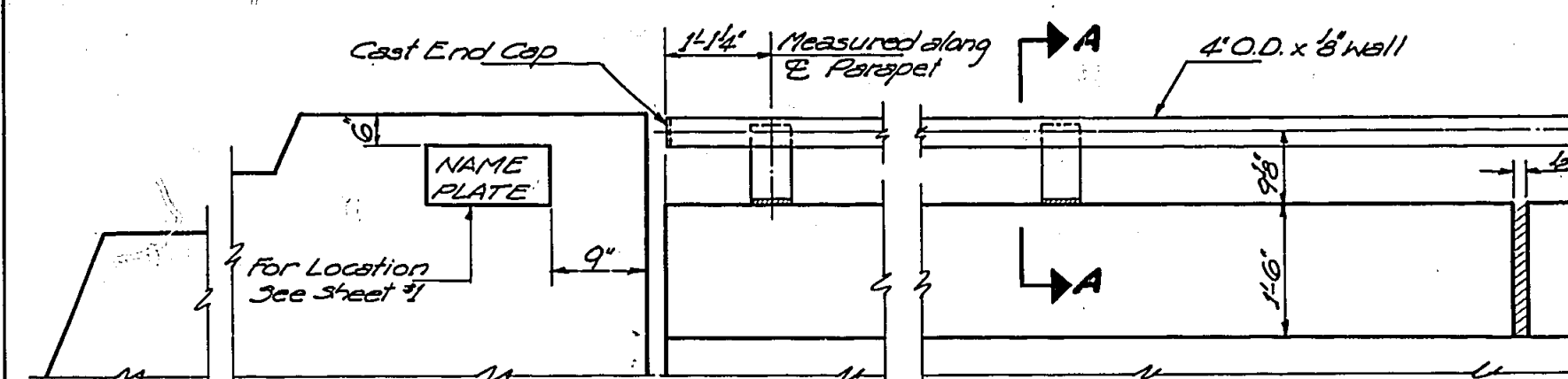
See Sheet #3A for details



VIEW B-B

SECTION A-A

RAIL POST DETAILS



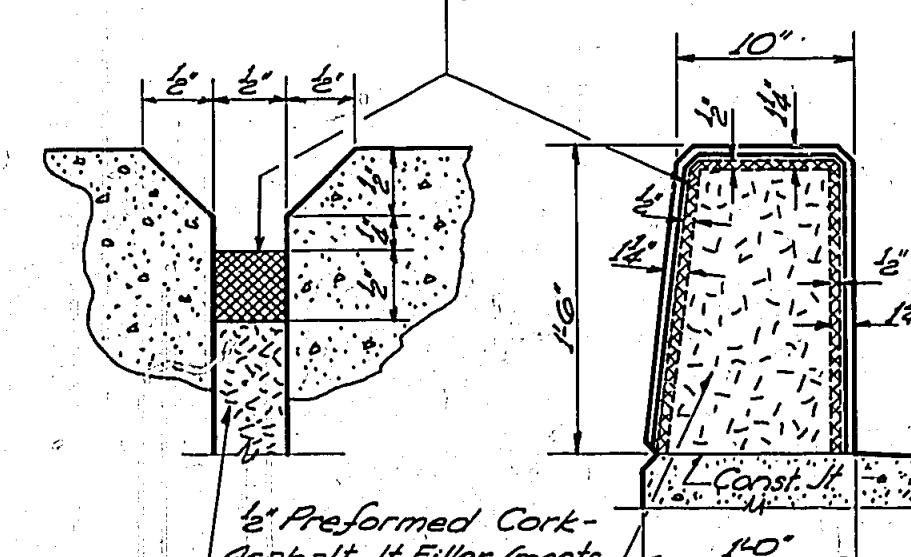
ELEVATION - END POST

Two component non-staining
gray sealing compound with
polysulfide liquid polymers-gun
grade with primer.

BILL OF MATERIAL
2 HANDRAILS

Bar	No.	Size	Length	Shape
1	16	#5	13'-5"	
2	32	#5	13'-8"	
3	32	#5	7'-10"	
4	48	#5	14'-5"	
5	16	#5	15'-10"	
6	32	#5	8'-3"	
7	0	#5	15'-3"	
d	13/12	#5	2'-10"	L
Class X Concrete Curb				594
Reinforcement Bars Lbs.				6220
Aluminum Handrail Lin ft				578

ALUMINUM HANDRAIL
S.B.1 RT. 183 SEC. 112B-3
FRANKLIN COUNTY
STA. 362+00



DETAIL OF JOINT IN PARAPET

DESIGNED	<i>P. Jander</i>	DEC 5 1964
CHECKED	<i>K.L. Lynde</i> <i>ASB</i>	EXAMINED <i>H.E. Baumann</i> SUPERVISOR OF MEDICAL AND TRAFFIC TRING TUNNEL
DRAWN	<i>P. W. A. Sausman</i>	PASSED <i>Ch. [Signature]</i> ENGINEER IN CHARGE
CHECKED	<i>K.L.L.</i>	APPROVED <i>V.E. [Signature]</i> SUPERVISOR OF MEDICAL

R-10 Drawn 2-16-60 Rev. 11-2-62

Rev. 4/18/66 Added Stieff #3A & Vaired Rail Part details

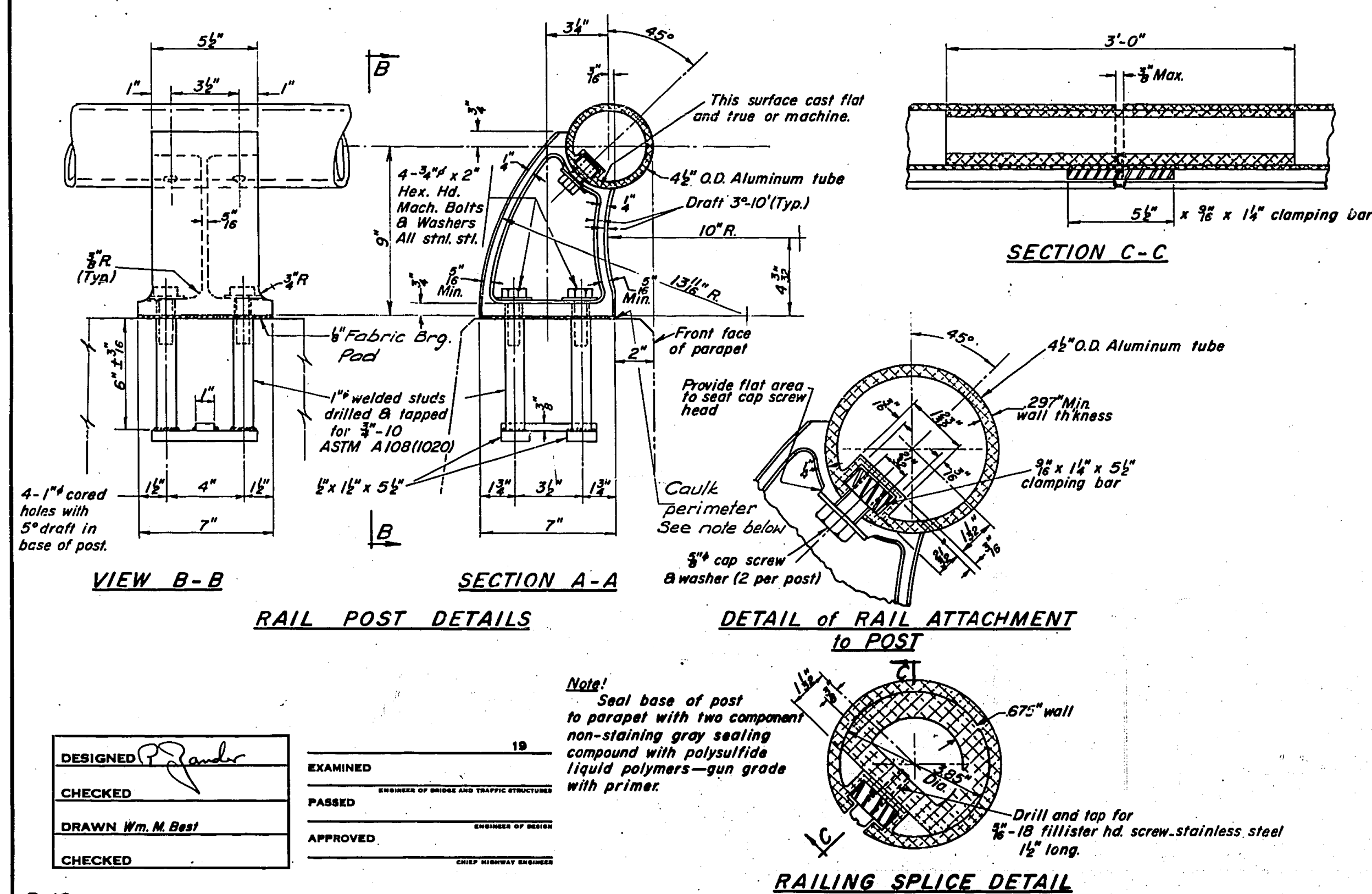
NOTES

- All Posts shall be placed normal to paper
- All Posts shall be of Aluminum conforming to ASTM Specification B-125 alloy 6061-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.

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

ROUTE NO.	SHEET	COUNTY	SHEET NO.	SHEET NO.
112B-3	26	FRANKLIN	8A	13 SHEETS
P. A.	ILLINOIS	PEN. AIR PROJECT		

WORK IN CONJUNCTION
WITH SHEET No. 3



DESIGNED <i>R. B. B.</i>	EXAMINED
CHECKED	PASSED
DRAWN <i>Wm. M. Best</i>	APPROVED
CHECKED	

R-19 Dwn. 6-26-64 Rev. 8-26-64 2-2-64



SECTION A-A



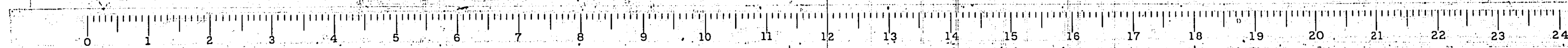
ELEVATION TOP OF 33WF118 BMS.

[illegible]

DETAIL OF SPLICES

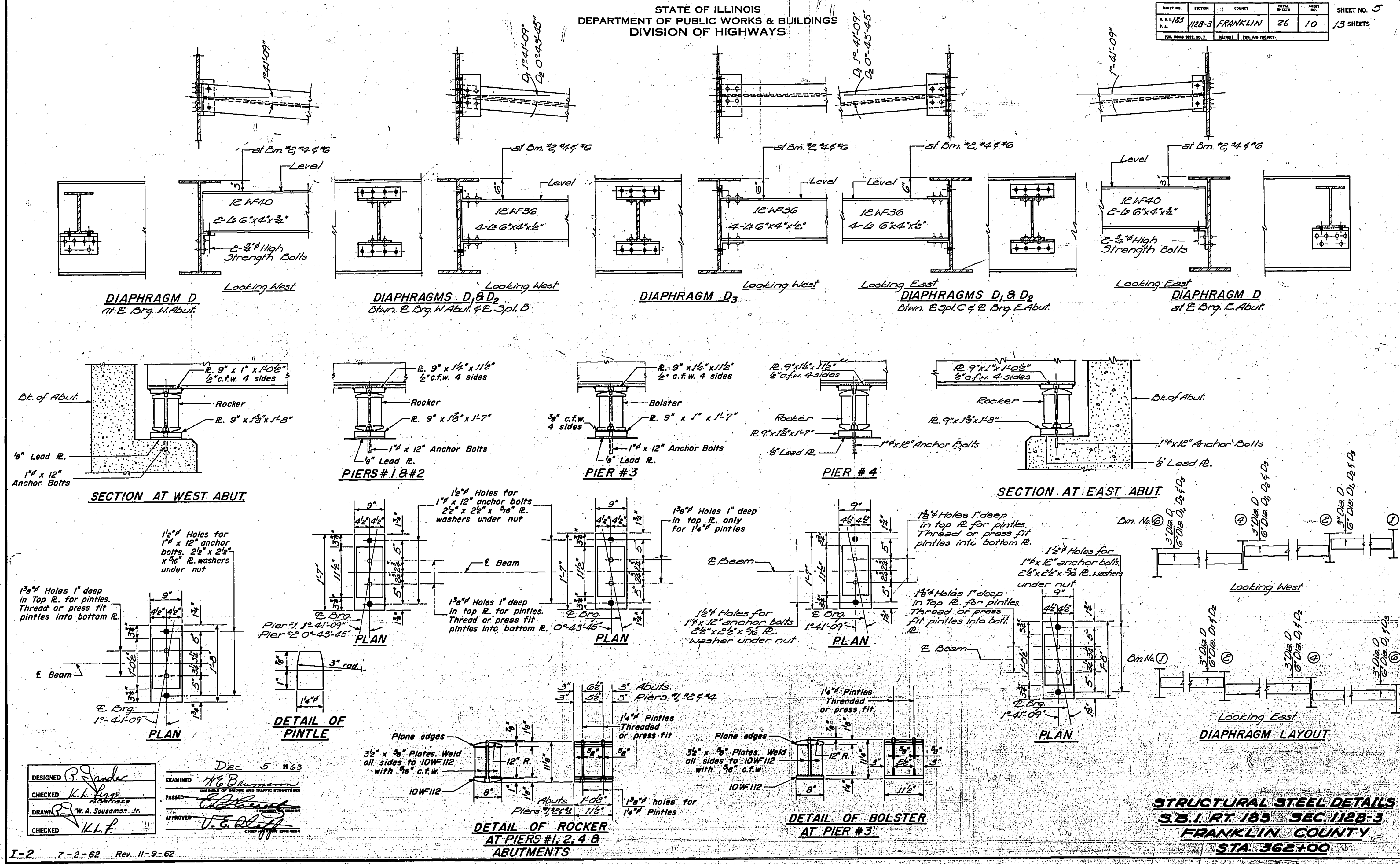
STRUCTURAL STEEL
S.B.I. RT. 183 SEC. 112B-3
FRANKLIN COUNTY
STA. 362+00

DESIGNED <i>P. Jander</i>	DEC 5 1963
CHECKED <i>K.L. Page</i>	EXAMINED <i>W.C. Baumann</i>
<i>A. D. 1/22</i>	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN <i>(P)</i>	PASSED <i>Ch. R. ...</i>
CHECKED <i>K.L.P.</i>	APPROVED <i>U.E. ...</i>
	REGISTERED PROFESSIONAL ENGINEER



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

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11/1/53	1128-3	FRANKLIN	26	10
FILED	MADE	BY	DATE	BY



DESIGNED *P. J. Anderson*
CHECKED *K. L. F.*
DRAWN *W. A. Soussan Jr.*
APPROVED *V. E. Blum*

I-2 7-2-62 Rev. 11-9-62

STRUCTURAL STEEL DETAILS
S.B.I. RT. 183 SEC. 1128-3
FRANKLIN COUNTY
STA. 362+00

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. L. 183 P. A.	112B-3	FRANKLIN	26	11

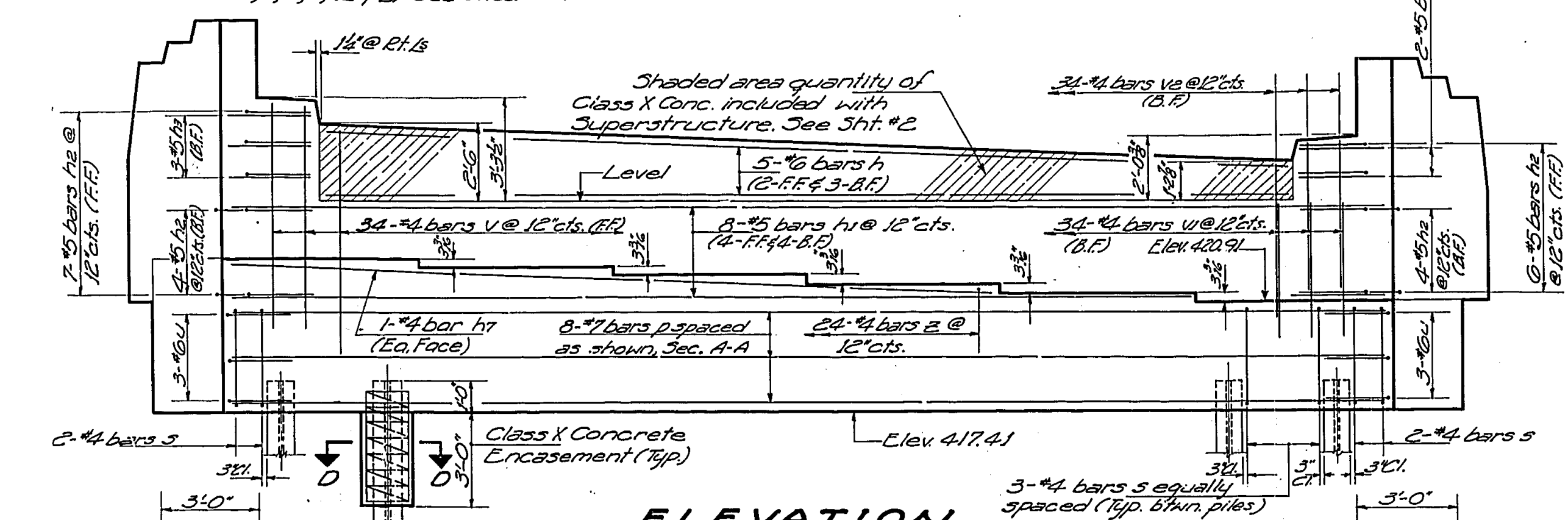
SHEET NO. 6
13 SHEETS

Bar	No.	Size	Length	Shape
c1	22	#2	7'-5"	
c2	12	#2	6'-7"	
c3	14	#2	5'-11"	
c4	14	#2	3'-8"	
e4	4	#2	6'-10"	
e5	12	#2	10'-6"	
e6	20	#2	11'-8"	
e7	40	#4	8'-6"	
h	5	#6	29'-9"	
h1	8	#6	36'-0"	
h2	21	#6	4'-9"	
h3	5	#6	2'-6"	
h7	2	#4#	23'-9"	
n	9	#2	10'-5"	
n1	9	#2	7'-11"	
p	8	#7	35'-6"	
p1	12	#7	9'-0"	
s	32	#2	15'-0"	
s1	18	#2	9'-6"	
u	6	#6	7'-10"	
v	32	#2	7'-5"	
v1	34	#2	4'-3"	
ve	32	#2	4'-11"	
ve	22	#2	6'-7"	
Rein. & Concrete by L&L				331
Paving Cement Bars L&L				3090
Steel Pipes (104842) Lin. Ft.				352
Test Pipe Steel (104842) L				352

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7
1183	1183-3	FRANKLIN	26	12	13 SHEETS
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

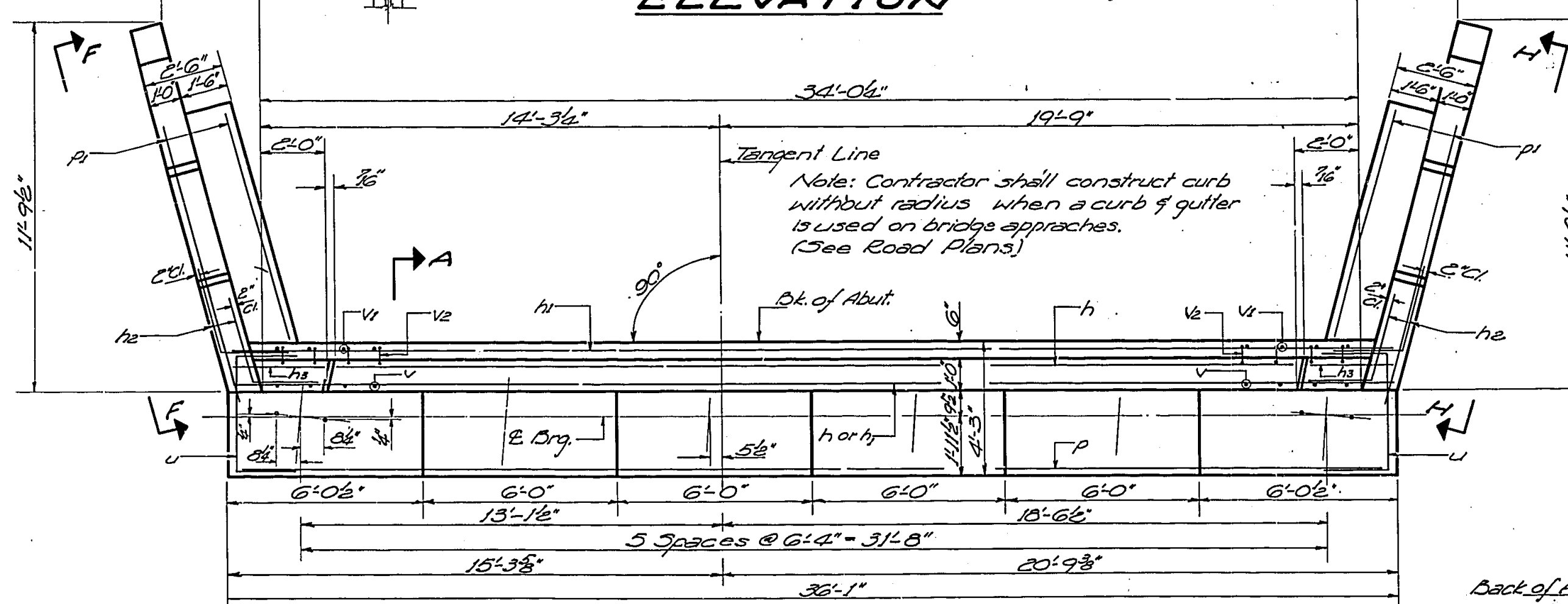
Note: Space reinforcement in cap to miss anchor bolts.
All edges shall have standard 3" chamfers except as noted.
Four steps monolithically with cap.
For Sec. D-D, View F-F and bar details (h₁, n₁, 3, 3₁, 4, 12 & 2) see Sheet #6.



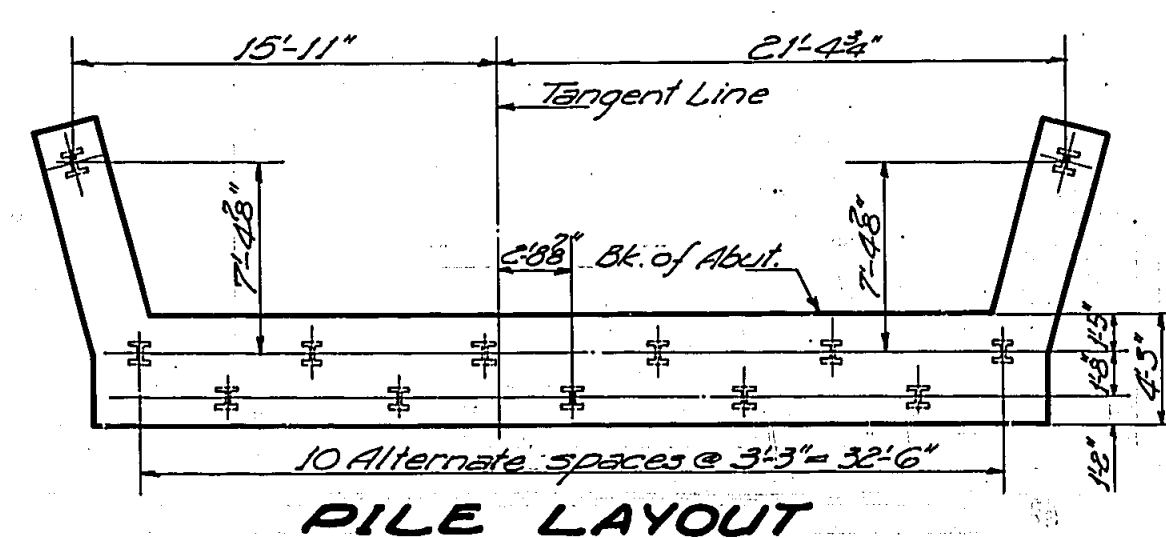
ELEVATION

PILE DATA

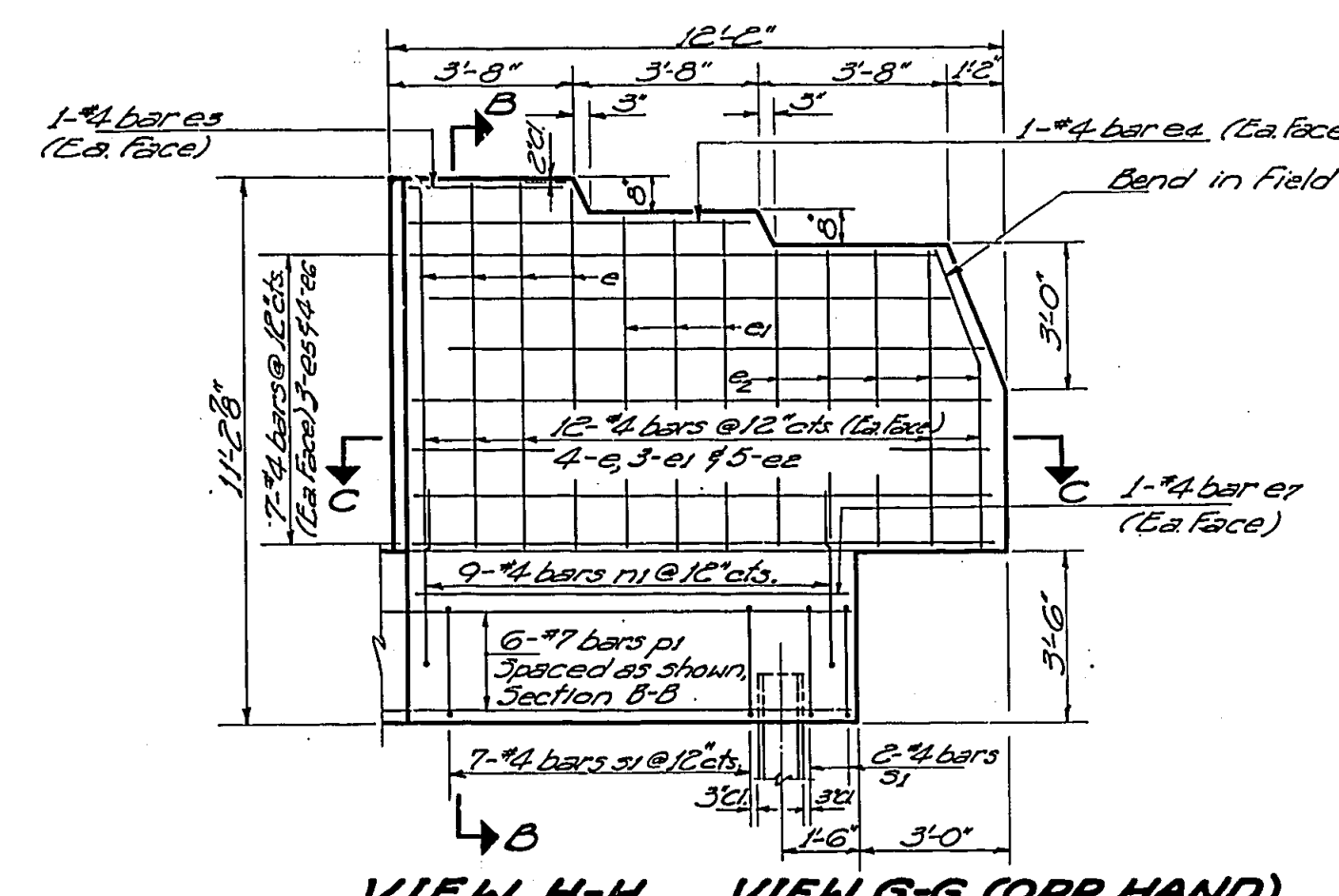
Type Steel (A572)
Capacity 37 tons
Est. Length 31 ft.
No. Required 13



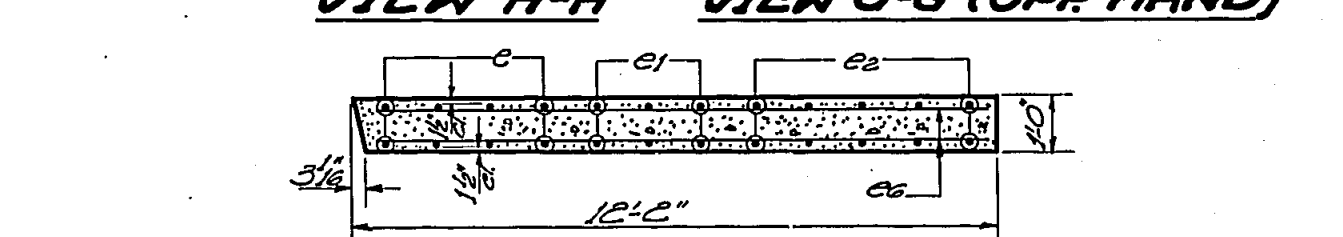
PLAN



PILE LAYOUT



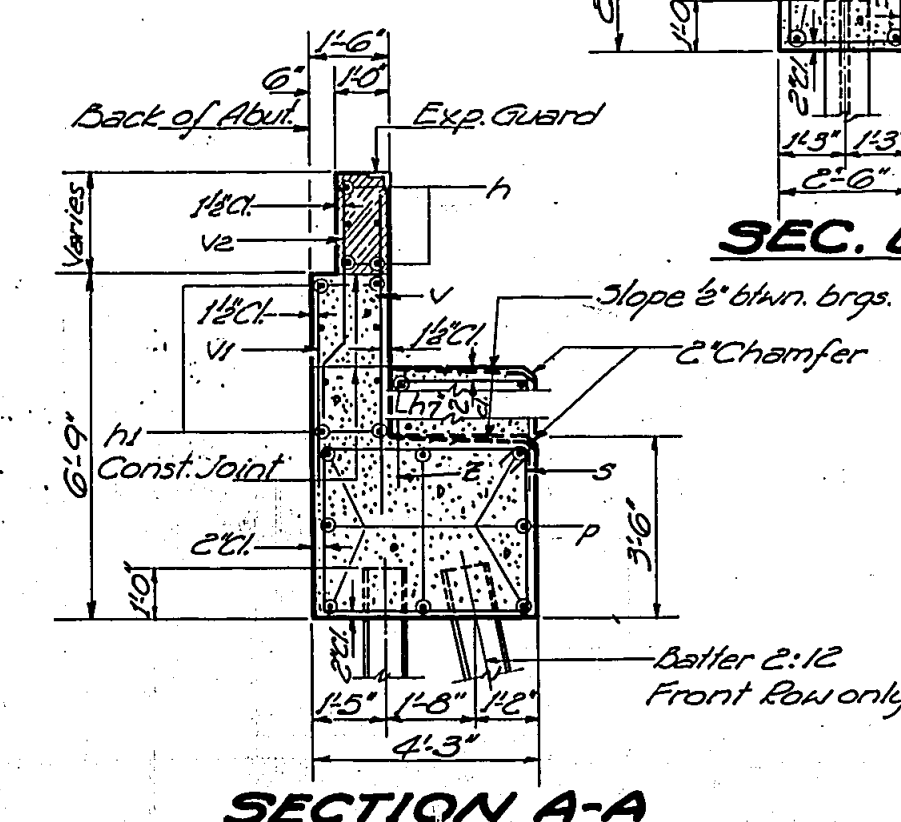
VIEW H-H VIEW G-G (OPP HAND)



SECTION C-C

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
e	22	#4	71.3"	
e1	12	#4	61.7"	
e2	14	#4	51.1"	
e3	4	#4	34.2"	
e4	4	#4	61.10"	
e5	12	#4	101.6"	
e6	20	#4	171.8"	
e7	4	#4	31.6"	
h	5	#6	291.9"	
h1	8	#5	361.0"	
h2	21	#5	41.9"	
h3	5	#5	21.6"	
h7	2	#4	23.9"	
n	9	#4	101.5"	
n1	9	#4	71.1"	
p	8	#7	351.6"	
p1	12	#7	91.0"	
s	34	#4	151.0"	
s1	18	#4	91.6"	
u	6	#6	71.0"	
v	34	#4	71.3"	
v1	34	#4	41.3"	
v2	34	#4	41.1"	
z	24	#4	61.7"	
Class X Concrete Cu Yds. 331				
Reinf. Bars Lbs. 3090				
Steel Piles (A572) Lbs. 403				

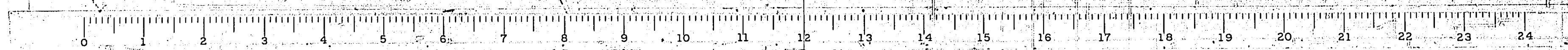


SECTION A-A

EAST ABUTMENT
S.D. 1183 SEC. 1183-3
FRANKLIN COUNTY
STA. 362+00

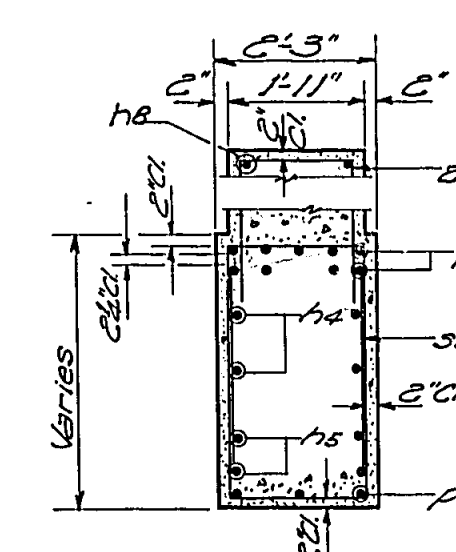
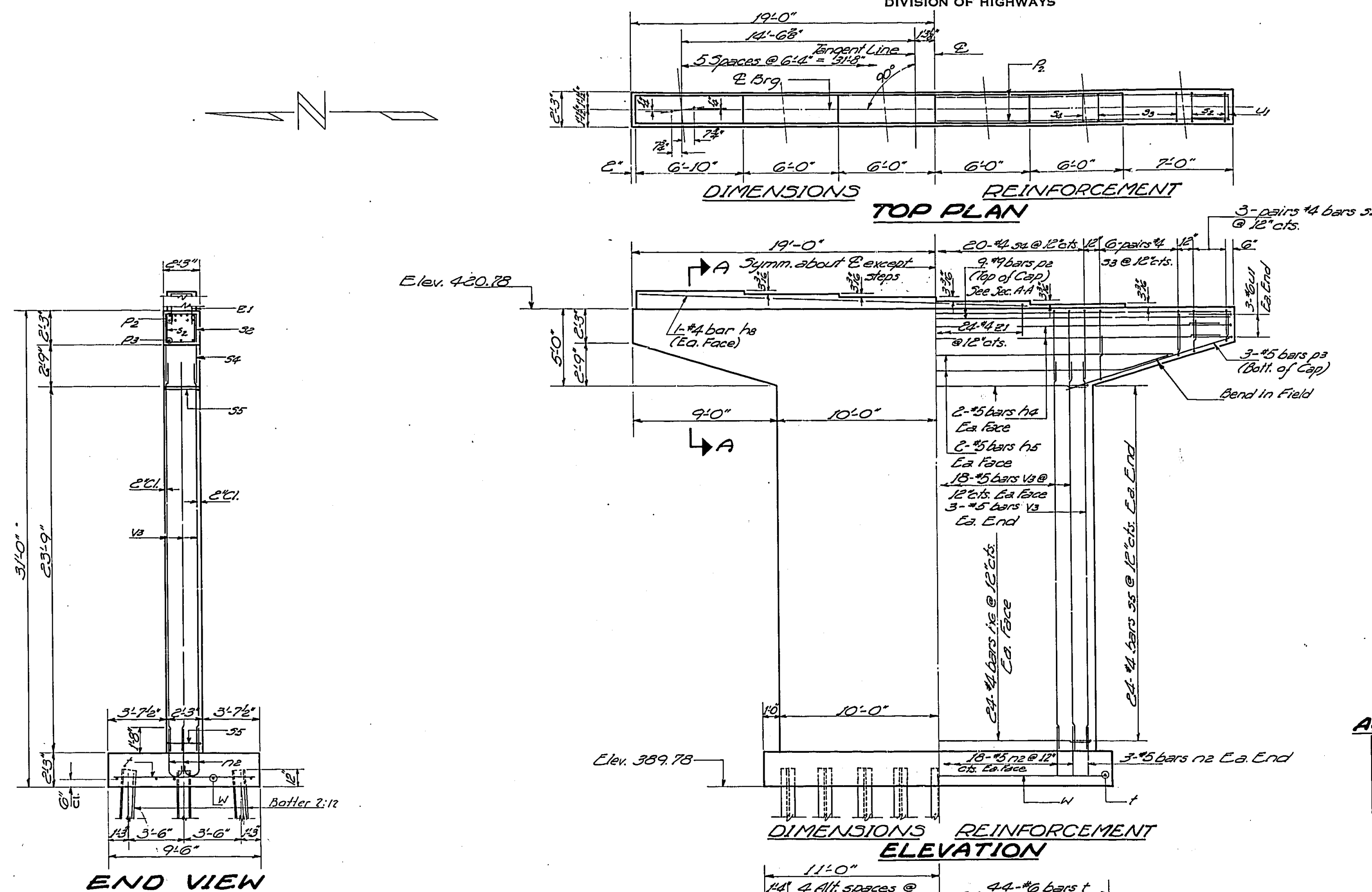
DESIGNED <i>P. Sander</i>	EXAMINED <i>H. E. Bauman</i>
CHECKED <i>K. L. Kopp</i>	PASSED <i>E. J. Bauman</i>
DRAWN <i>P. Sander</i>	APPROVED <i>V. E. Bauman</i>
CHECKED <i>K. L. Kopp</i>	

Rev. 2/11/66 Added Bar h₂ in step.
Quantity of abutment increased by 30 Lbs. in
all of 11/61.

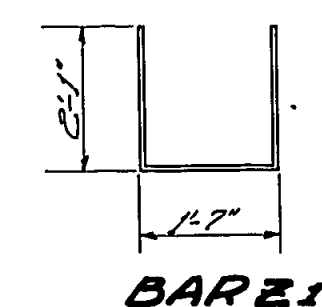


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8
S. R. 183	112B-3	FRANKLIN	26	13	13 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



Note:
Space reinforcement in cap to miss anchor bolts.
All edges shall have standard 3" chamfers except footings.
Four steps monolithically with cap.



BAR DIMENSIONS

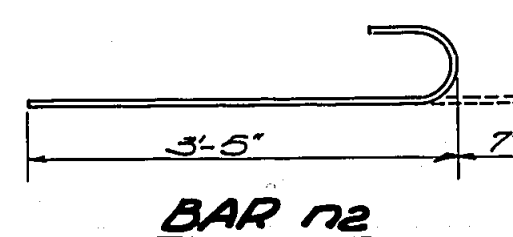
BAR	A	B
32	1'-11"	1'-9"
33	1'-11"	1'-9"
34	1'-11"	1'-9"
35	1'-11"	1'-9"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
14	4	#5	30'-0"	U
15	4	#5	30'-0"	U
16	48	#4	19'-0"	U
17	2	#4	24'-6"	U
18	42	#5	4'-0"	U
19	9	#9	37'-6"	U
20	6	#5	11'-0"	U
21	12	#4	5'-5"	U
22	24	#4	7'-5"	U
23	20	#4	10'-11"	U
24	48	#4	4'-6"	U
25	44	#6	9'-0"	U
26	6	#6	6'-9"	U
27	42	#5	25'-4"	U
28	5	#4	21'-6"	U
29	24	#4	5'-9"	U

Class X Concrete Cu. Yds. 72.5
Reinforcement Bars Lbs. 4,690
Steel Piles (70B, 942) Lin. Ft. 602

BAR U1



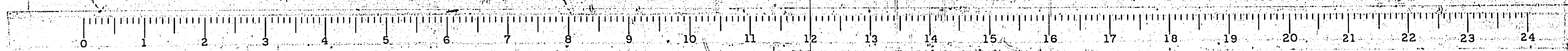
PIER #1
S.B.I. RT. 183 SEC. 112B-3
FRANKLIN COUNTY
STA. 362+00

DESIGNED	P. J. Sander
CHECKED	K. L. Lipp
DRAWN	P. J. Sander
CHECKED	K. L. L.

DEC 5 1963

EXAMINED
PASSED
APPROVED

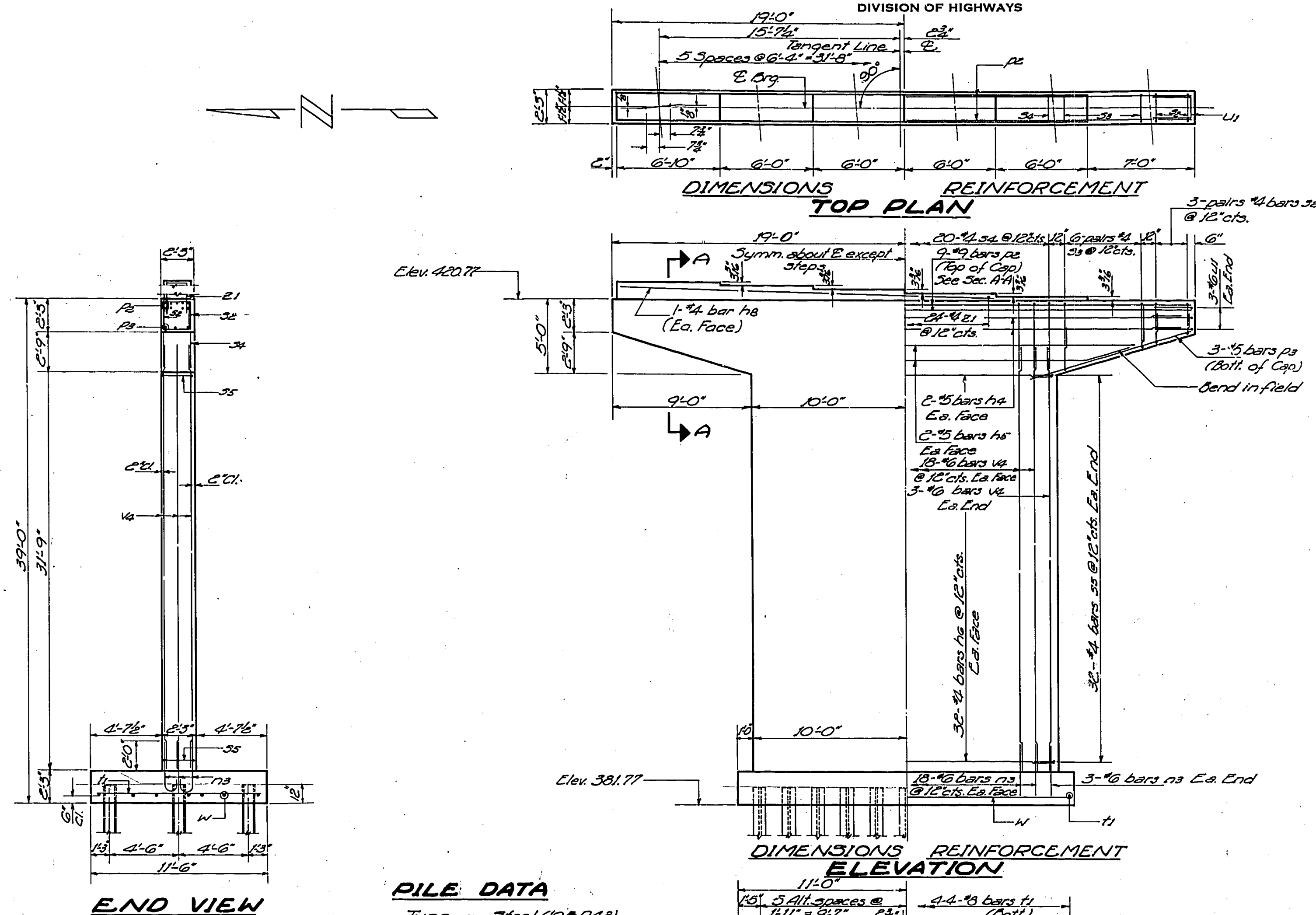
Rev. 1/18/66 Revised per 10 to 100
Quantity of Reinforcement increased by 30 Lbs.
in all of Pile.



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

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
1/28/33	1128-3	FRANKLIN	26	14	13 SHEETS
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

Note:
Space reinforcement in cap to miss anchor bolts.
All edges shall have standard 3" chamfers except footings.
Four steps monolithically with cap.
For Section A-A and bar details (B2, B3, B4, B5, U1 & Z1) see Sheet #8.



PILE DATA

Type - Steel (100P42)
Capacity - 37 tons
Est. Length - 33 Ft.
No. Required - 12

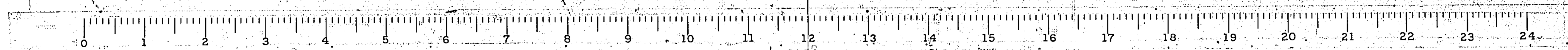
DESIGNED	Dec 5 1963
CHECKED	W. B. Blum
DRAWN	U. S. R. R.
CHECKED	U. S. R. R.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
B2	4	#5	30'-0"	
B3	4	#5	30'-0"	
B4	64	#4	19'-0"	
B5	2	#4	24'-6"	
B6	42	#6	4'-5"	
B7	9	#9	37'-6"	
B8	6	#5	11'-0"	
B9	12	#4	3'-5"	
B10	24	#4	7'-5"	
B11	20	#4	10'-11"	
B12	64	#4	4'-6"	
B13	44	#3	11'-0"	
B14	6	#6	6'-9"	
B15	42	#6	33'-7"	
B16	7	#4	21'-6"	
B17	24	#4	5'-9"	
Class X Concrete Cyls. 89.5				
Reinf. Bars 6780				
Steel Piles (100P42) 361				

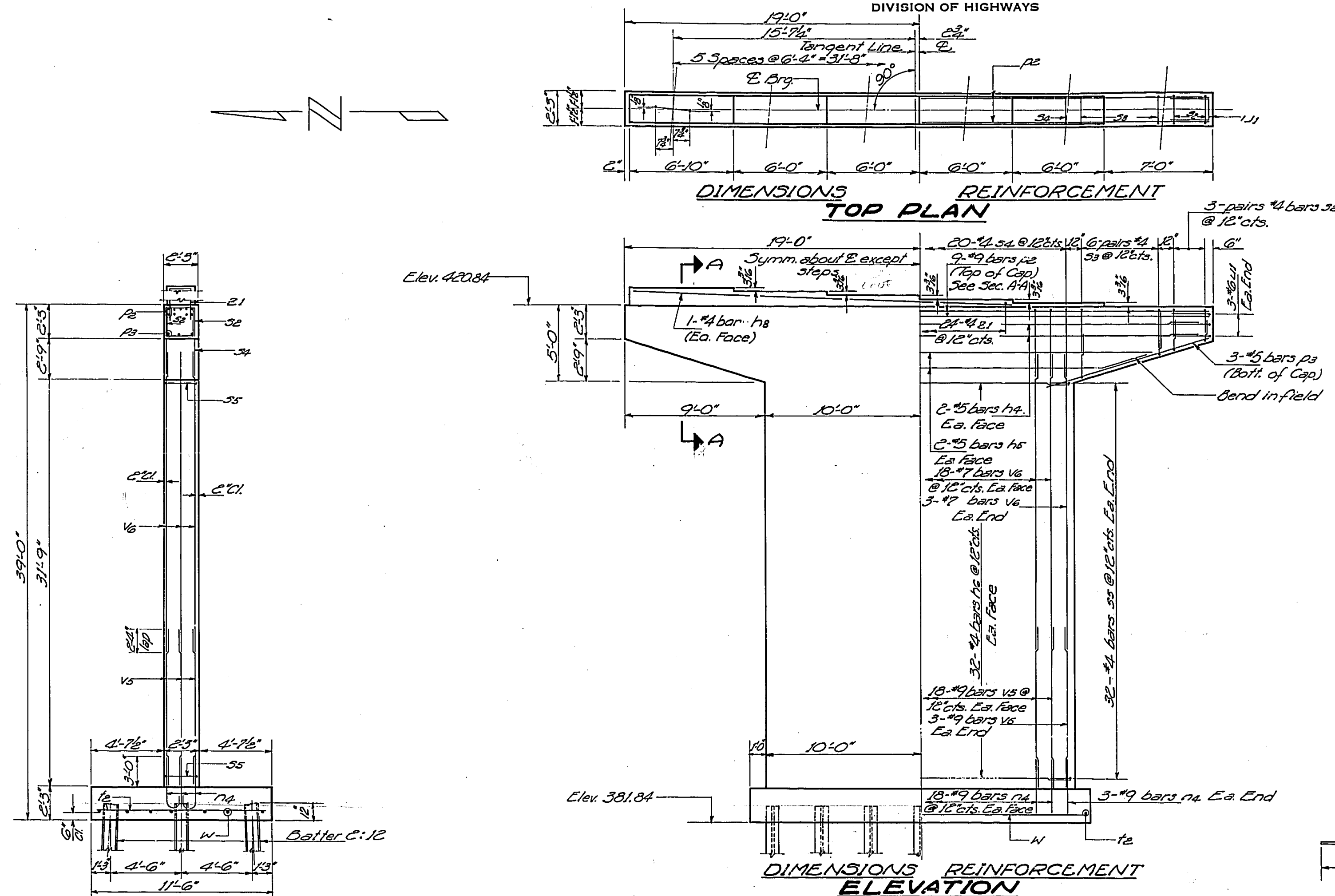
PIER #2
S.B.I. RT 185 SEC. 1128-3
FRANKLIN COUNTY
STA. 362+00

Rev. 4/18/66 Added Bar B18 in step
Quantity of Reinf. Bars increased by 3644.
In Bill of Mat.



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

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
183	1128-3	FRANKLIN	26	15
SHEET NO. 10				
13 SHEETS				



Note:
Space reinforcement in cap to miss anchor bolts.
All edges shall have standard 1/4" chamfers except footings.
Four steps monolithically with cap.
For Section A-A and bar details (S2, S3, S4, S5, U1 & Z1) see Sheet #8.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h4	4	#5	36'-0"	
h5	4	#5	30'-0"	
h6	64	#4	19'-0"	
h8	2	#4	21'-6"	
h4	42	#9	6'-0"	
p2	9	#9	37'-6"	
p3	6	#5	11'-0"	
s2	12	#4	5'-5"	
s3	24	#4	7'-5"	
s4	20	#4	10'-11"	
s5	64	#4	4'-6"	
u1	44	#9	11'-0"	
u1	6	#6	6'-9"	
u5	42	#9	12'-5"	
u6	42	#7	23'-9"	
u7	7	#4	21'-0"	
z1	24	#4	5'-9"	
Class X Concrete (2100)				89.5
Reinf. Bars				9400
Steel Piles (10000)				4.20
Test Pile Steel (10000)				1

PILE DATA

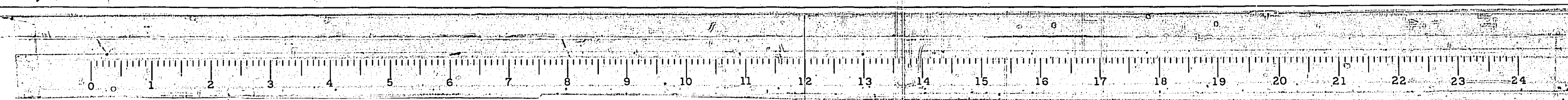
Type - Steel (10000)
Capacity - 37 Tons
Est. Length - 21 Ft.
No. Required - 1
Test Pile - 1

DESIGNED	R. Sander
CHECKED	K. L. F.
DRAWN	A. D. 11/22/63
CHECKED	K. L. F.

EXAMINED	DEC 5 1963
PASSED	K. L. F.
APPROVED	U. S. P.

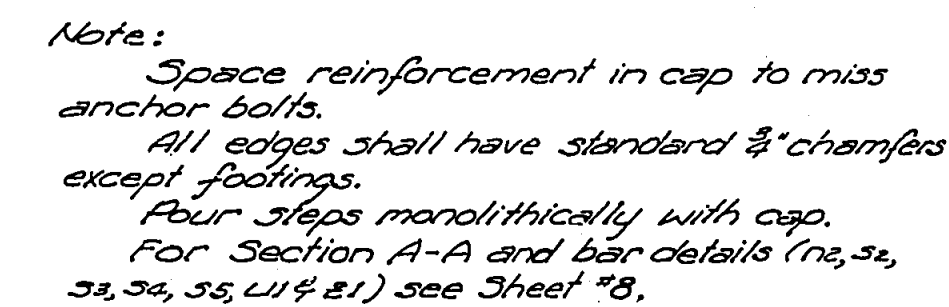
PIER #3
S.B.I. RT 183 SEC. 1128-3
FRANKLIN COUNTY
STA. 362+00

Rev. 4/18/62 added bar #8 in 2' top
Quantity of Reinf. Bars increased by 30 lbs.
in bill of mat.



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. E. 1, 183 P. A.	112B-3	FRANKLIN	26	16
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

SHEET NO. 11
13 SHEETS



Bar	No	Size	Length	Notes
B1	4	#5	36'-0"	
B2	4	#5	30'-0"	
B3	4	#5	30'-0"	
B4	4B	#5	19'-0"	
B5	2	#5	24'-6"	
B6	4C	#4	4'-0"	
B7	9	#9	37'-6"	
B8	6	#5	11'-0"	
B9	12	#4	5'-5"	
B10	24	#4	7'-5"	
B11	20	#4	10'-11"	
B12	4B	#4	4'-6"	
B13	44	#6	9'-0"	
B14	6	#6	6'-9"	
B15	42	#5	25'-4"	
B16	5	#4	2'-6"	
B17	24	#4	5'-9"	
Class K Concrete Curb				72.5
Reinforcement Bars Lbs				4460
Steel Piles (20B42) Lbs				140

DIMENSIONS AND REINFORCEMENT
PILE LAYOUT
FOOTING PLAN

DEC 5 1963

EXAMINED *W.E. Bauman*
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

PASSED *E.L. Hester*
ENGINEER OF CEMENT

APPROVED *J.E. O'Neil*
CHIEF ENGINEER

PIER #4
S.B.1 RT. 183 SEC. 112B-3
FRANKLIN COUNTY
STA. 362+00

REV. 4/18/66 Added bar 18 in step
Quantity of Reinf. Bars increased by 30 Lbs
in Bill of Mat.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. <i>12</i>
R. R. 1 <i>183</i>	<i>112B-3</i>	<i>FRANKLIN</i>	<i>26</i>	<i>17</i>	<i>13</i> SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT.		



ELEVATIONS
S.B.I. RT 183 SEC. 112B-3
FRANKLIN COUNTY
STA. 362+00

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

Boring No.	Elevation	M	Co./A	#
Station: 361.7				
Office: 6th Fl.				
Ground Surface	331.8	0		
Stiff muds brown, CL, Silty				
	300.3		5 1.5B	34
Medium very moist brown, CL				
Silty Clay to lean clay A-6 (9-10)			3 1.0P	33
	307.8			
Very soft wet brown mottled gray and black, CL, Silty Clay A-6 (9-10) containing organic matter	-5		3 0.2B	32
			1 0.2B	39
	382.3			
Very stiff to stiff moist gray mottled brown and black, CL, Silty Clay A-6 (11-12)	-10		7 2.1B	25
			10 2.0B	25
	-15		8 1.7B	24
	373.8		8 1.5B	26
Medium very moist gray, CL, Silty Clay to lean clay A-6 (10-12)	-20		6 0.9B	29
			4 0.9B	27
	367.8			
Medium very moist gray, CL, Sandy Clay, A-6 (6-7) containing some organic matter	-25		8 0.9B	27
	363.8		10 0.6B	35
Medium very moist gray, CL, lean clay A-6 (11-12)	-30		5 0.9B	20
	360.8		5 --	27
Coarse wet gray, SM, silty sand				
	357.3		6 0.7B	33
Medium very moist gray, CL, silty Clay A-6 (5) containing some organic matter	-35			
	354.8		14 0.7B	36
Medium wet gray, SC, clayey sand				
	353.3			
Soft very moist light gray, CL, lean clay A-7-8 (15)	-40			
Soft to medium light gray clay shale				
	352.3			
	80			
	100			
	100			
	45			

Elevation	N	Qc / f.1	%
-45			
100	Flows in 5 knots		
363.3			
362.0 - 50	100	Flows in 4 knots	
Bottom of Hole = 49.8 feet			
During drilling operations, it appeared as though free water was encountered at 4.0 feet.			
Washing procedure was used in drilling between 36.0 feet and 39.0 feet.			
Surface Water El. <u>None</u>			
Groundwater El. at Completion <u>361.8</u>			
After: 24 Hours <u>357.6</u>			
Boring No. <u>2</u>			
Station <u>361.35</u>			
Offset <u>27 FT E</u>			
Elevation	N	Qc / f.1	%
393.8 0			
Ground Surface			
Medium very moist brown, Cl, silty clay A-4(8)			
390.3	3	1.0B	26
390.3	4	0.7B	24
-5			
Medium moist to very moist brown mottled gray, Cl, silty clay A-4(8)			
385.3	5	0.8P	24
-10			
Soft wet brown mottled gray, Cl, silty clay A-4(8)			
381.8	3	0.3P	26
-15			
Stiff moist gray mottled brown, Cl, lean clay A-7-6(14)			
377.8	8	2.1P	27
-20			
Very stiff moist gray mottled brown and black, Cl, lean clay A-6(13)			
372.8	12	2.0B	26
-25			
Medium to soft very moist to wet gray, Cl, silty clay to sandy clay A-4(8)			
365.3	2	0.7B	24
-30			
Medium moist gray, Cl, lean clay to sandy clay A-4(8) containing some gravel			
365.3	4	0.5B	25

Elevation	N	Gr./L.	w (%)
-30.2			
361.8	6	0.72	14
Stiff to medium moist to very moist gray to dark gray, clay, silty fine sand A-4(5)	9	1.20	20
LI = 22 PI = 4			
-35			
356.8	7	0.89	26
Loose wet gray, silty sand	9	—	22
-40			
352.8	12	—	26
Medium to soft clay shale	69	4.52	
-45			
343.8-50	100	blows in 6 inches	
Bottom of Hole = 50.0 feet	100	blows in 6 inches	
During drilling operations, it appeared as though free water was encountered at 9.5 feet.			
Washing procedure was used in drilling between 38.5 feet and 42.0 feet			
Surface Water El.		None	
Station: 360-65		280.8	
At Completion		289.8	
After 72 Hours			

Elevation	N	Gr./L.	w (%)
321.7 0			
Ground Surface			
Medium very moist brown, Gr, silty clay A-4(8)			
Sample No. 3-1			
319.7			
Stiff moist, brown, Gr silty clay A-4(8)			
Sample No. 3-2			
389.2			
Stiff very moist brown mottled gray, Cl, silty clay A-4(8)	10		
Sample No. 3-3			
386.7			
Stiff very moist brown mottled gray, Cl, silty clay A-4(8)	10		
Sample No. 3-4			
384.2			
Stiff very moist brown mottled gray, Cl, silty clay A-4(8)	10		
Sample No. 3-5			
381.7			
Stiff very moist brown mottled gray, Cl, silty clay A-4(8)	10		
Sample No. 3-6			
379.2			
Stiff very moist brown mottled gray, Cl, lean clay A-6(11-12)	10		
Sample No. 3-7			
376.7			
Medium very moist gray mottled brown, Cl, lean clay A-6(12-13)	10		
Sample No. 3-8			
374.2			
Stiff moist brown mottled gray, Cl, silty clay A-4(8)	20		

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BUILDING DIVISION OF HIGHWAYS				
	Elevation	N	Ch. 1/4 c.	%
	-20			
Sample No. 3-9	371.7			
Medium moist gray, Cl., silty clay A-6(10-13)				
Sample No. 3-10	369.2			
Medium very moist gray, Cl., silty clay A-6(10-13)	-25			
Sample No. 3-11	366.7			
Medium very moist gray, Cl., silty clay A-6(10-11)				
Sample No. 3-12	364.2			
Medium very moist gray, Cl., silty clay A-6(10-11)	-30			
Sample No. 3-13	361.7			
Stiff very moist gray, Cl.-M., silty fine sand A-4(5-6)		12	1.73	17
	-35			
Sample No. 3-14	357.7			
Medium wet gray, MN, silty sand		14	1.48	19
	-40			
Sample No. 3-15	351.2			
Very soft light gray clay shale		16	A-5P	20
Sample No. 3-16	349.2			
Medium hard gray to dark gray clay shale	-45	100	Blows in 5 inches	
		100	Blows in 5 inches	
Bottom of Hole = 50.0 feet	313.7	-50	100	Blows in 5 inches
During drilling operations, it appeared as though free water was encountered at 9.0 feet.				
Washing procedure was used in drilling between 36.0 feet to 42.0 feet.				
Surface Water El.	None			
Groundwater El. at Completion	389.7			
After 24 Hours	391.7			
Soiling No. 4				
Station 352+87				
Offset 5 ft. Rte.				
Ground Surface	394.1	0		
DIFF. to medium moist to very moist brown, Cl., silty clay A-4(8)		A	0.25P	31
Very stiff moist brown to brown mottled gray, Cl., silty clay A-4(8)	391.6	7	3.5P	21
	-5			
	387.1	18	0.95	16
Soft wet gray mottled brown, Cl., silty clay A-4(8)		5	0.58P	26
Stiff moist gray mottled brown & black, M.-C., silty sand to clayey sand A-4(4)	385.1	-10		

Elevation	N	Q	t/c	W (%)
-15	16	0.93	20	
302.6				
Very soft brown mottled gray fine grained sandstone				
100			Blows in 5 inches	
-15	100		Blows in 4 inches	
378.1				
Very soft to medium dark gray to gray, fine grained sandstone				
100			Blows in 5 inches	
-20	100		Blows in 5 inches	
369.2				
Bottom of Hole = 24.9				
During drilling operations, it appeared as though free water was encountered at 7.5 feet				
Note: Hand penetration equipment was used in obtaining what appeared to be the top of the rock strata at the following locations:				
-30				
Station 364.87 - 12 Lt. centerline elevation of rock = 379.8				
Station 364.87 - 12 Rt. centerline elevation of rock = 383.2				
Station 364.87 - on centerline elevation of rock = 377.1				
Surface Water El. None				
Groundwater El. at Completion 385.6				
After 24. Hours 329.3				
Elevation	N	Q	t/c	W (%)
Baseline No. 5				
Station 363.30				
Offset: 8 ft. 1A.				
Ground Surface 395.8				
Medium moist brown to brown mottled gray, G, silty clay, A-4(8)				
7	7	2.57	27	
6	6	0.58	28	
-5				
390.3				
Medium moist brown, G, sandy clay, A-4(5)				
11	11	0.53	19	
11	11	0.77	1	
389.0				
Soft brown sandstone				
100			Blows in 6 inches	
-10	100		Blows in 5 inches	
100			Blows in 5 inches	
380.9-15	100		Blows in 5 inches	
Bottom of Hole = 14.9 feet				
During drilling operations, it appeared as though free water was encountered at 5 feet.				
Note: Hand penetration equipment was used in obtaining what appeared to be the top of the rock strata at the following locations:				
Station 363.35 - 12 ft. 1A. Centerline elevation of rock = 390.9				
Station 363.35 - 12 ft. Rt. Centerline elevation of rock = 394.1				

	Elevation	N	O ₂ /+L	% B
Boring No. <u>6</u>				
Station <u>358.33</u>				
Offset: <u>on Centerline.</u>				
Ground Surface <u>358.4</u>	0			
Silt moist brown, CL, Silty clay A-4(8)	352.9	2	1.2P	36
Soft moist brown to brown mottled gray, CL, Silty Clay A-4(8)		3	0.4B	26
	-5			
	387.4	1	0.3P	31
Medium very moist gray mottled brown, CL, silty clay A-6(8-9)		3	1.0P	28
	-10			
		3	1.0P	25
	382.4			
Shift to very stiff moist gray mottled brown, CL, lean clay A-6(11-13)		8	1.7B	24
	-15			
		10	1.6B	24
		10	1.6B	22
	374.9			
Medium moist gray, CL, silty clay A-6(8-9) containing some organic matter	-20	6	0.7B	20
		6	0.9B	31
	370.4			
Medium very moist gray to gray mottled brown SL, Silty sand A-3	-25			
		23	—	17
		10	0.7B	21
	-30			
		16	1.0P	20
	368.9			
Soft to medium gray sandstone	-100	Blows in 3 inches		
	-35			
		10	Blows in 1 inch	
	358.8			
Bottom of Hole = 35.6 feet				
During drilling operations, it appeared as though free water was encountered at 34.0 feet				
	-40			
	-45			

County	Twp.	Range	SHEET NO. OF SHEETS
FRANKLIN	26	18	18 SHEETS

Elevation	N	Qz/L	W
Boring No. <u>7</u>			
Station <u>362.79</u>			
Offset <u>7 ft. 14.</u>			
Ground Surface <u>394.2</u>	0		
Medium very moist brown, cl., silty clay A-4(8-9)			
Sample No. <u>7-1</u>	<u>392.2</u>		
Stiff moist brown, cl., silty clay A-4(8)			
Sample No. <u>7-2</u>	<u>389.7</u>		
Stiff moist brown, cl., silty clay A-4(8)	<u>-3</u>		
Sample No. <u>7-3</u>	<u>387.2</u>		
Soft wet gray mottled brown, cl., sandy clay A-4(7-8)			
Sample No. <u>7-4</u>	<u>384.7</u>		
Soft wet gray mottled brown, cl., sandy clay A-4(7-8)	<u>-10</u>		
Sample No. <u>7-5</u>	<u>382.2</u>		
Soft very moist gray mottled brown sandy clay A-4(7-8)			
Sample No. <u>7-6</u>	<u>379.7</u>		
Soft gray mottled brown sandstone Sample No. <u>7-7</u>	<u>378.4</u>		
Bottom of Hole = <u>358</u> feet			
Notes: Bottom of Shaly Tubes at 358 feet.			
During drilling operations, it appeared as though free water was encountered at 7.5 feet.			

Surface Water El.	<u>None</u>
Groundwater El. at Completion	<u>384.2</u>
After 96 Hours	<u>392.2</u>

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

Qz - Unconfined Compressive Strength - 1/si

w - Water Content - percentage of oven dry weight - %.

Type failure:
 B - Bulge Failure
 S - Shear Failure
 E - Estimated Value
P - Penetrometer value

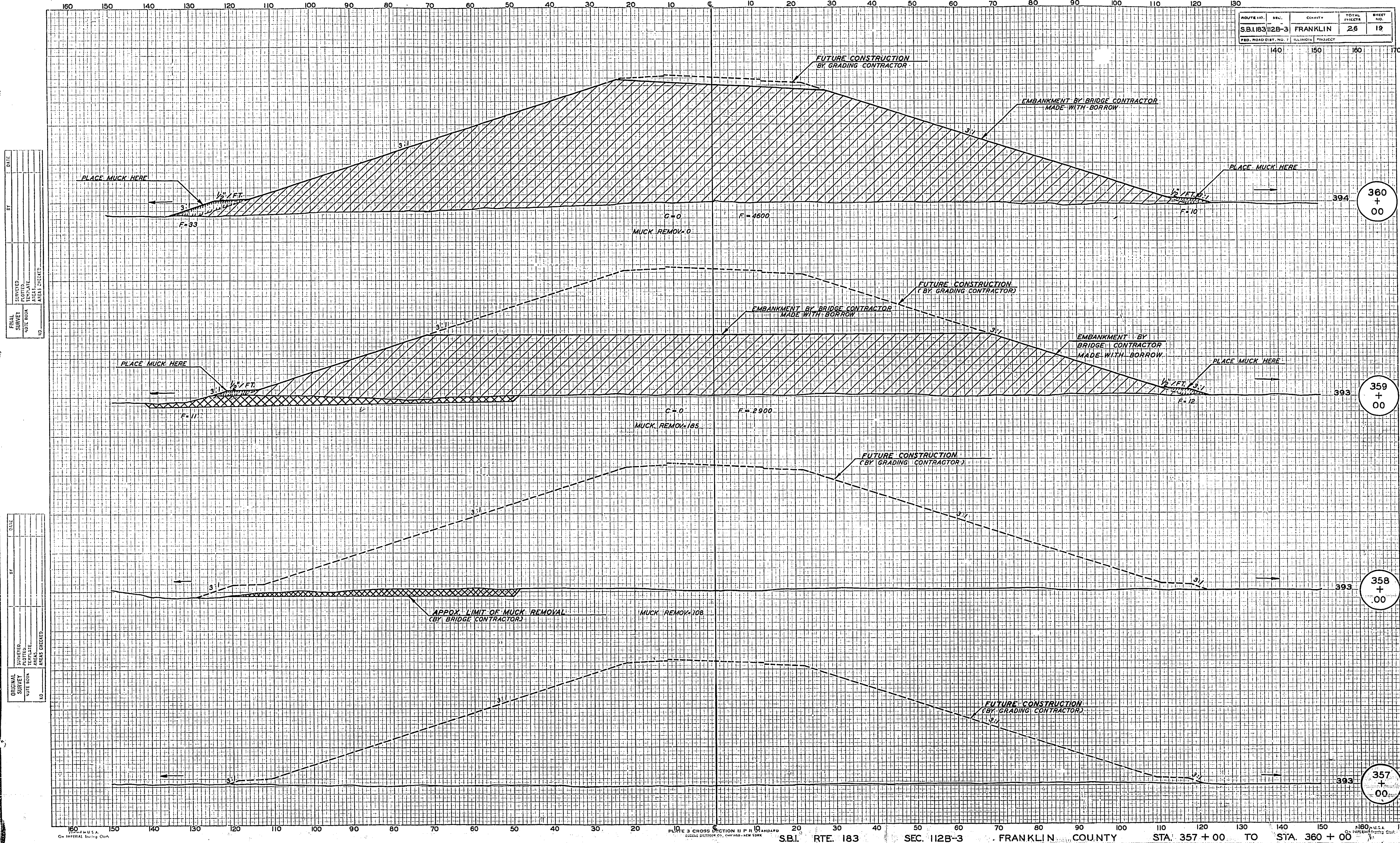
BORING DATA
S.B.I. RT. 183 SEC. 112B-3
FRANKLIN COUNTY
STA. 362+00

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 - t/si

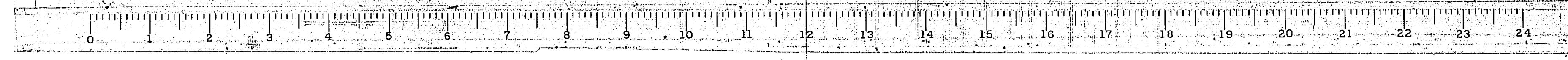
w - Water Content - percentage of oven dry weight - %.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer value



DATE	BY
10/1/54	W.S. HOWELL
10/1/54	W.S. HOWELL
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10/1/54	W.S. HOWELL
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10/1/54	W.S. HOWELL
10/1/54	W.S. HOWELL

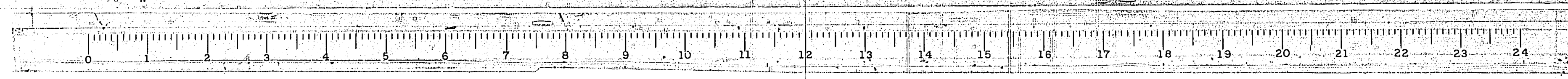
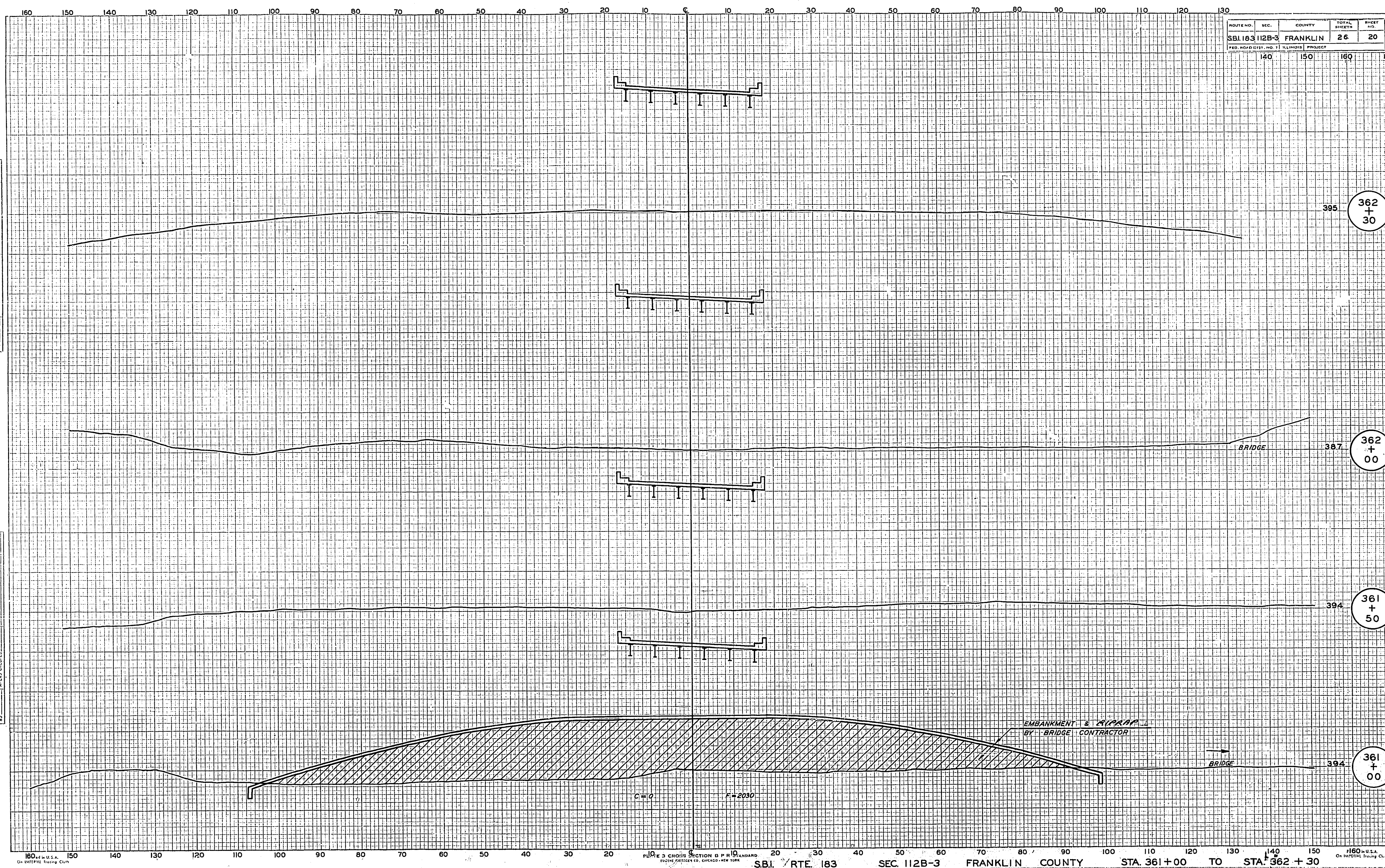
DATE	BY
10/1/54	W.S. HOWELL
10/1/54	W.S. HOWELL
10/1/54	W.S. HOWELL
10/1/54	W.S. HOWELL
10/1/54	W.S. HOWELL
10/1/54	W.S. HOWELL
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10/1/54	W.S. HOWELL
10/1/54	W.S. HOWELL
10/1/54	W.S. HOWELL



DATE	BY	CHKD
DESIGNED		
SUBMITTED		
APPROVED		
NOTED		
DATE		
BY		

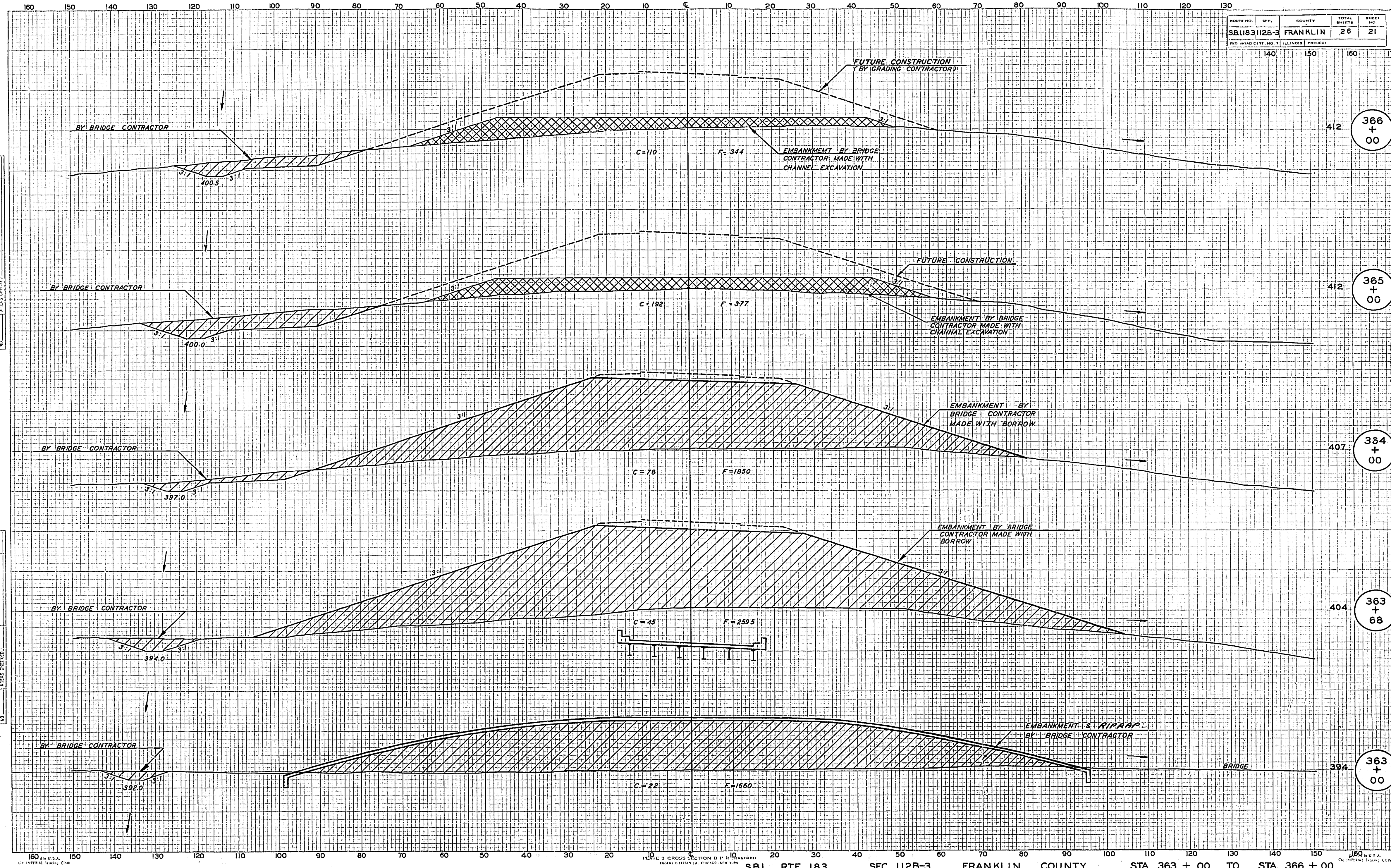
DATE	BY	CHKD
DESIGNED		
SUBMITTED		
APPROVED		
NOTED		
DATE		
BY		

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
SBL 183 112B-3		FRANKLIN	26	20
FED. ROAD DIST. NO. 1		ILLINOIS		
		PROJECT		



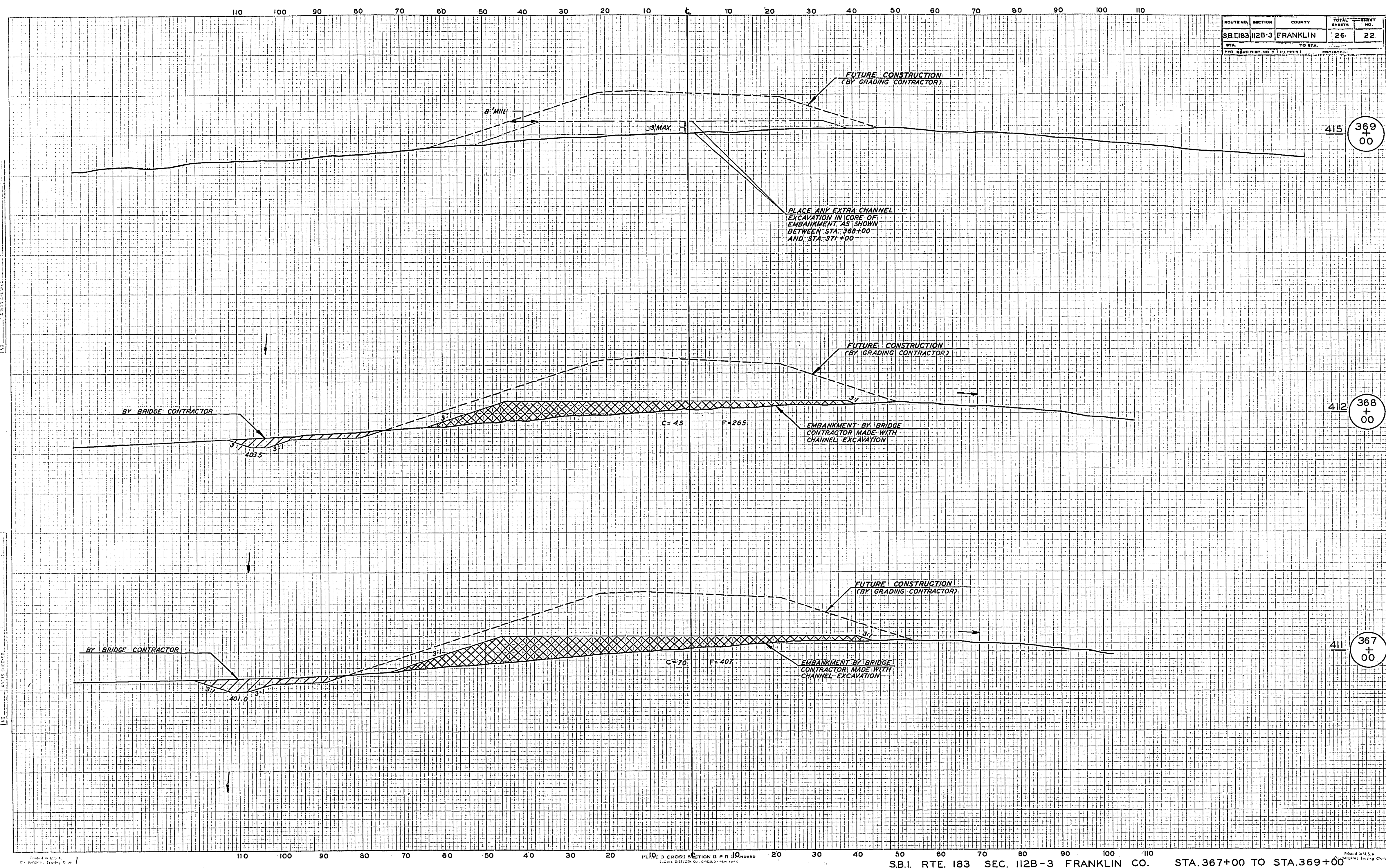
FINAL
 SURVEY
 DATE: 10/1/50
 BY: J. H. LEE
 CHECKED: J. H. LEE
 APPROVED: J. H. LEE

BRIDGE
 SURVEY
 DATE: 10/1/50
 BY: J. H. LEE
 CHECKED: J. H. LEE
 APPROVED: J. H. LEE



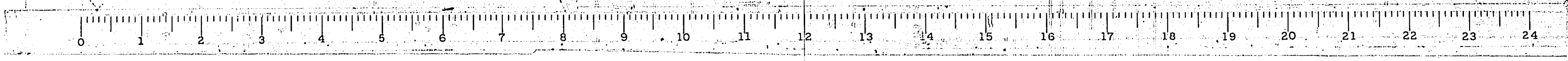
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
SB1183 112B-3		FRANKLIN	26	21

S.B.I. RTE. 183 SEC. 112B-3 FRANKLIN COUNTY STA. 363 + 00 TO STA. 366 + 00

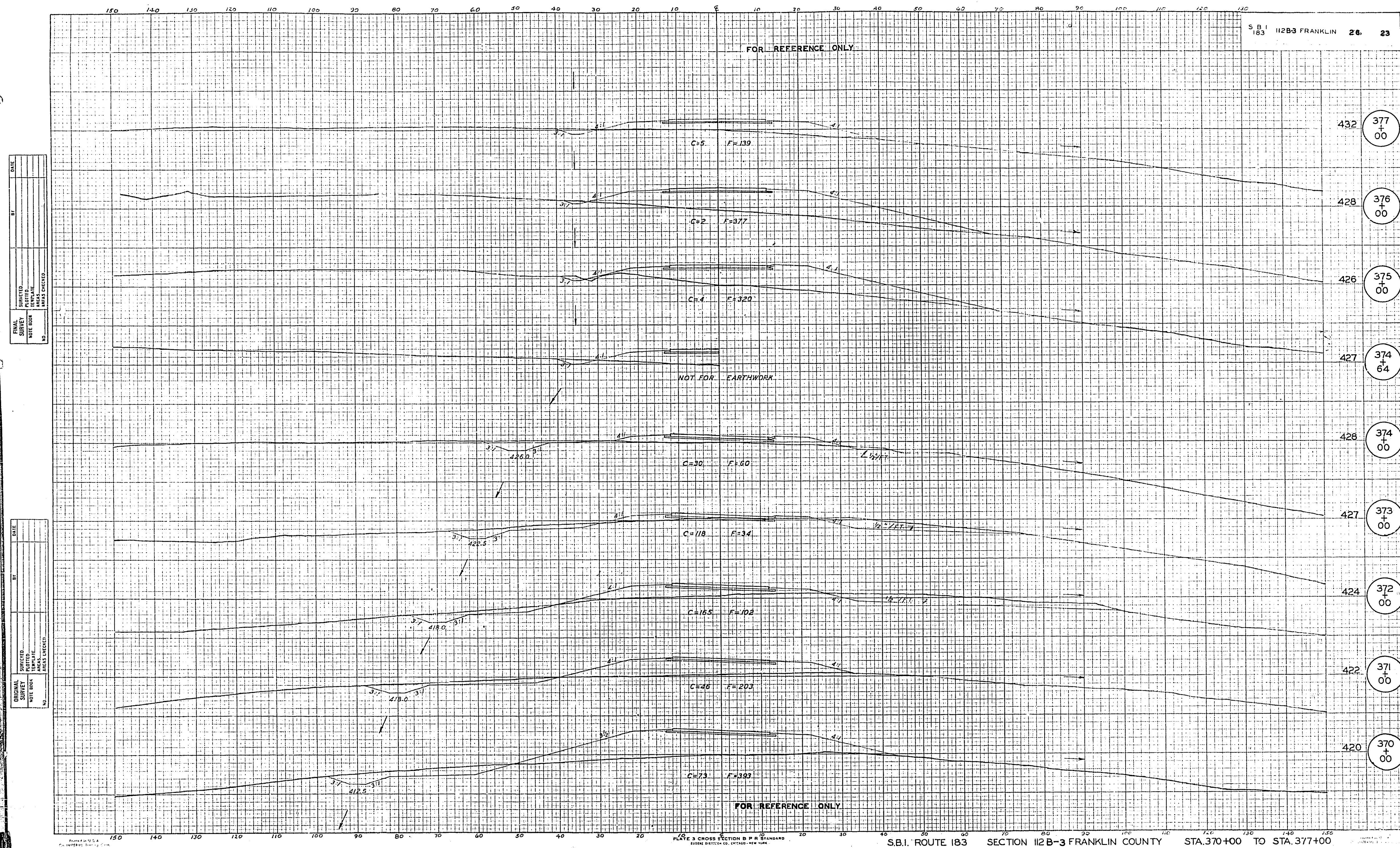


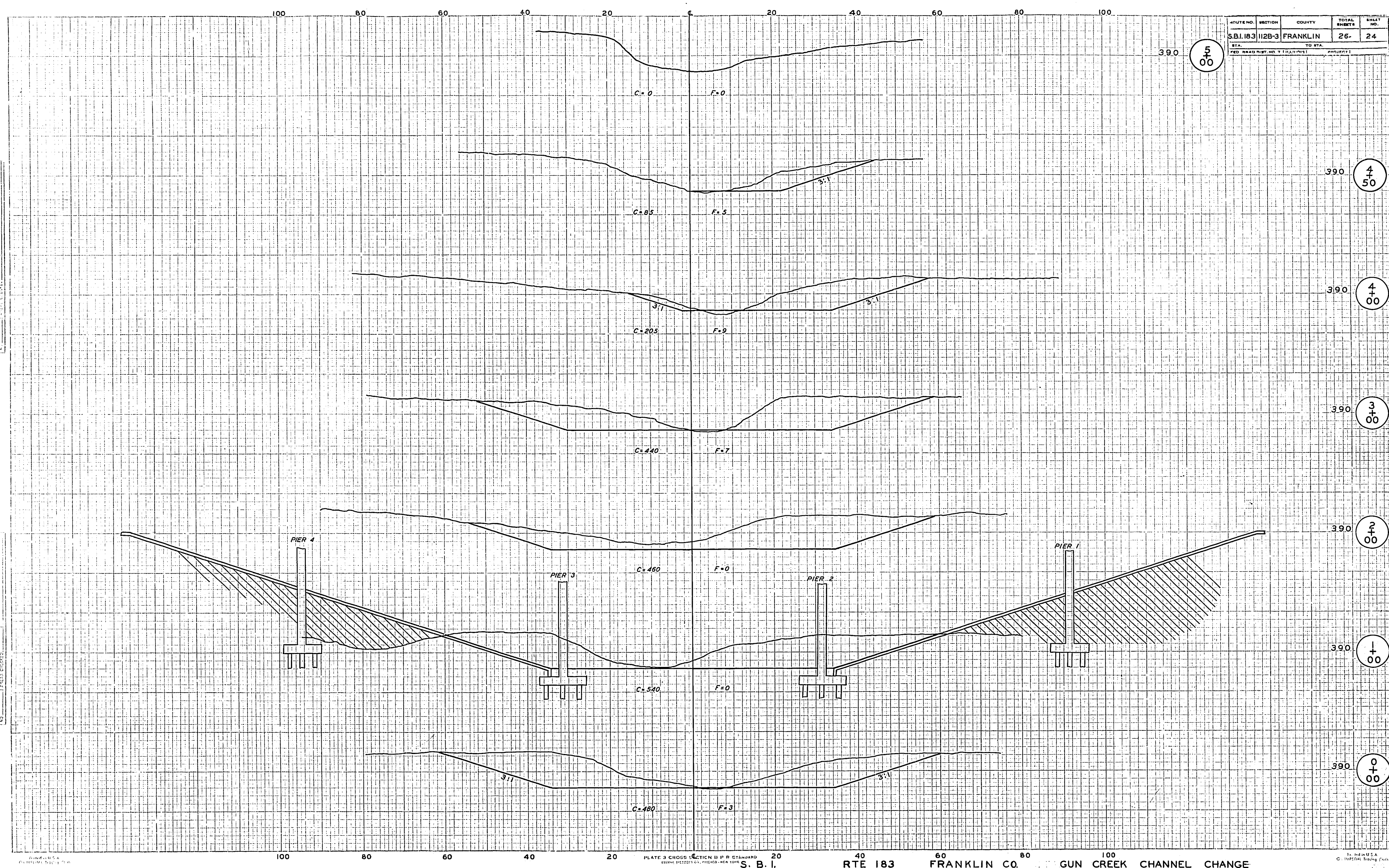
DESIGNED BY
CHECKED BY
APPROVED BY
DATE

DESIGNED BY
CHECKED BY
APPROVED BY
DATE



S.B. RTE. 183 SEC. 112B-3 FRANKLIN CO. STA. 367+00 TO STA. 369+00





ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 183	112B-3	FRANKLIN	26	24
STA.	TO STA.	PROJECT		
100+00	100+00			

COUNTY
 SHEET NO.
 DATE
 DRAWN BY
 CHECKED BY
 PROJECT NO.

COUNTY
 SHEET NO.
 DATE
 DRAWN BY
 CHECKED BY
 PROJECT NO.

PLATE 3 CROSS SECTION B P P STANDARD
 S. B. I.
 RTE 183
 FRANKLIN CO.
 GUN CREEK CHANNEL CHANGE

