

INDEX						
PROJECT	STRUCTURE	TYPE	SPAN	OVER	STATION	CONTRACT NO.
I-70-2(38)50	I-70-51-5176	TWIN STRUCTURES R.C.GIRDER & CONTINUOUS R.C.GIRDER	35'-4" 34'-6" 79' 56'-4" 35'-4" SK. 20" R.	MILL CREEK	982+00 (LINE "A")	7100
SHEET NO.	SHEET DESIGNATION	SUBJECT				S.P.E. APPROVAL
1		INDEX & TITLE SHEET				
2	ROAD STD.	STANDARD DIVIDED LANE SECTIONS FOR F.A. INTERSTATE PROJ. (A-MAY, IN.)				
3	ONE SHEET	SOIL BORING LOG				
4	ONE SHEET	CHANNEL CHANGE				
5	CI (STR. I-70-51-5176)	LAYOUT				
6	C2	GENERAL PLAN				
7	C3	END BENT #1 & #6 AND PIER #2 & #5 DETAILS				
8	C4	PIER #3 & #4 DETAILS				
9	C5	SUPERSTRUCTURE DETAILS (SPANS X&Z)				
10	C6	SPAN "A" & "B" DETAILS				
11	C7	SPAN "C" & "D" DETAILS				
12	C8	SPAN "E" & "F" DETAILS				
13	C9	SPAN "G" & "H" DETAILS				
14	C10	SPAN "I" & "J" DETAILS, BILLS OF MATERIALS & BENDING DIAGRAM				
15	ONE SHEET	SUMMARY				

STATE OF INDIANA  
INDIANA STATE HIGHWAY COMMISSION

# BRIDGE PLANS

## FOR SPANS OVER 20 FEET

### ON

## INTERSTATE HIGHWAY 70 SECTION 2

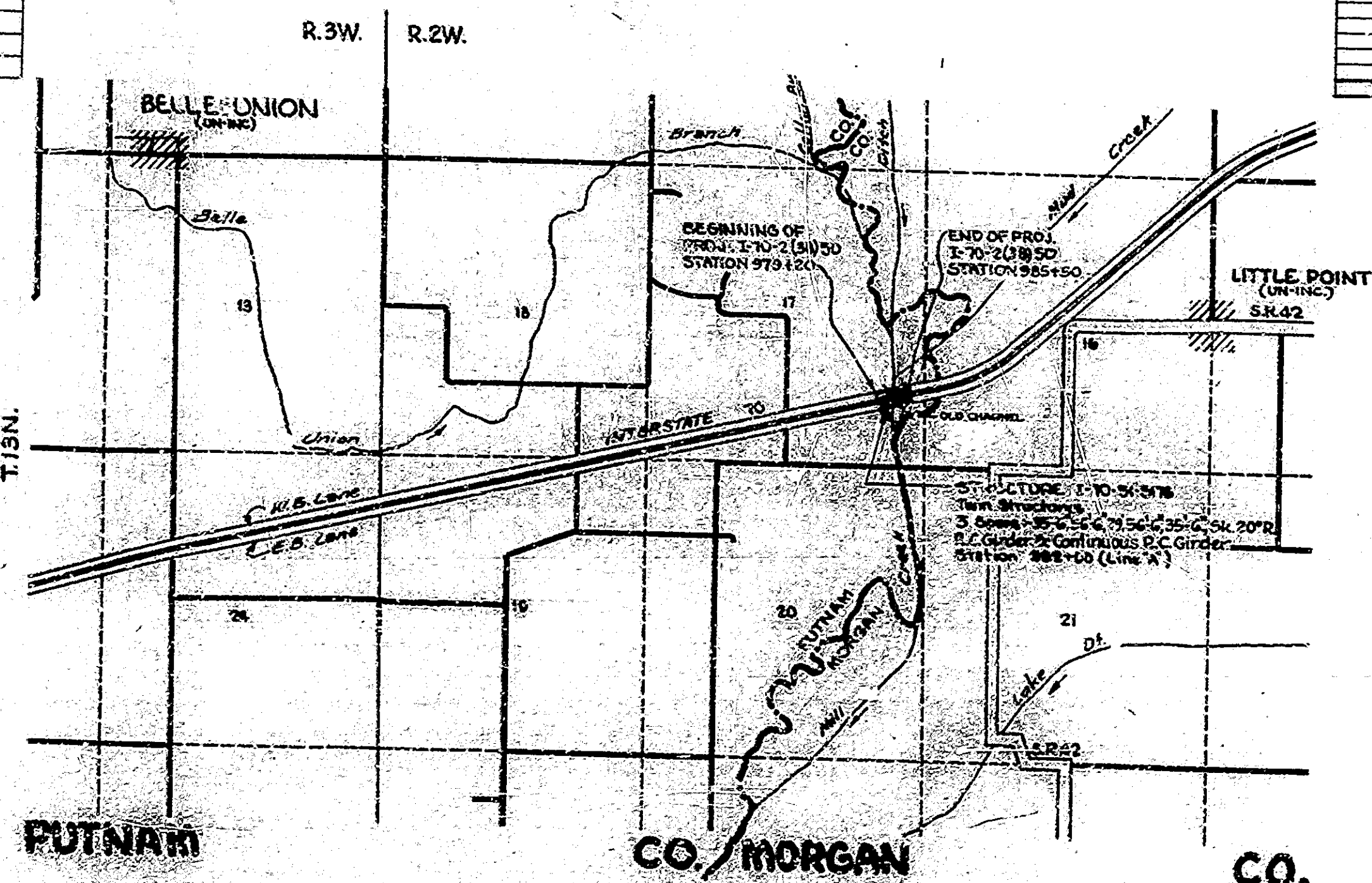
### F.A. PROJECT NO. I-70-2(38)50

CLOVERDALE-MOORSVILLE AREA

BEGINNING AT A POINT ON I-70 (LINE "A") APPROX. 2145' SOUTHWEST OF THE EAST LINE OF SECTION 17 AND EXTENDING NORTHEAST A DISTANCE OF APPROX. 2140' TO A POINT ON I-70 (LINE "A") APPROX. 210' SOUTH-WEST OF THE EAST LINE OF SECTION 17, ALL IN SECTION 17, T.15N., R.2W., PUTNAM COUNTY.

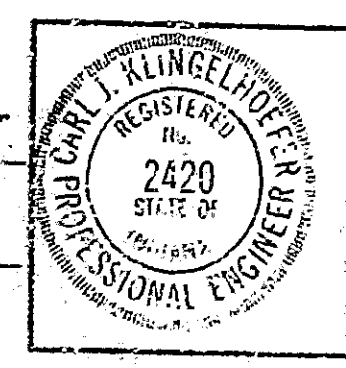
ROADWAY LENGTH = 0.068 MI.  
BRIDGE LENGTH = 0.051 MI.  
TOTAL LENGTH = 0.119 MI.

MAX GRADE = -0.25 %



TRAFFIC DATA	
A.D.T. (1961)	15,405 V.P.D.
A.D.T. (1980) PROJECTED	38,525 V.P.D.
TRUCKS	5 %
DESIGN SPEED	70 M.P.H.
ACCESS CONTROL	FULL

APPROVED 1-22-65



DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS

APPROVED: \_\_\_\_\_  
DIVISION ENGINEER DATE \_\_\_\_\_

REVISIONS	
DATE	DESCRIPTION
Jan 28, 1965	1. 1, 2, 3, 10, 11, 14, 15, 16, 17, 18, 21, 22
Jan 28, 1965	2. 2, 3, 12, 24
Jan 28, 1965	3. Project Designation changed from I-70-2(38)51 to I-70-2(38)50

RECOMMENDED FOR APPROVAL 1-20-65

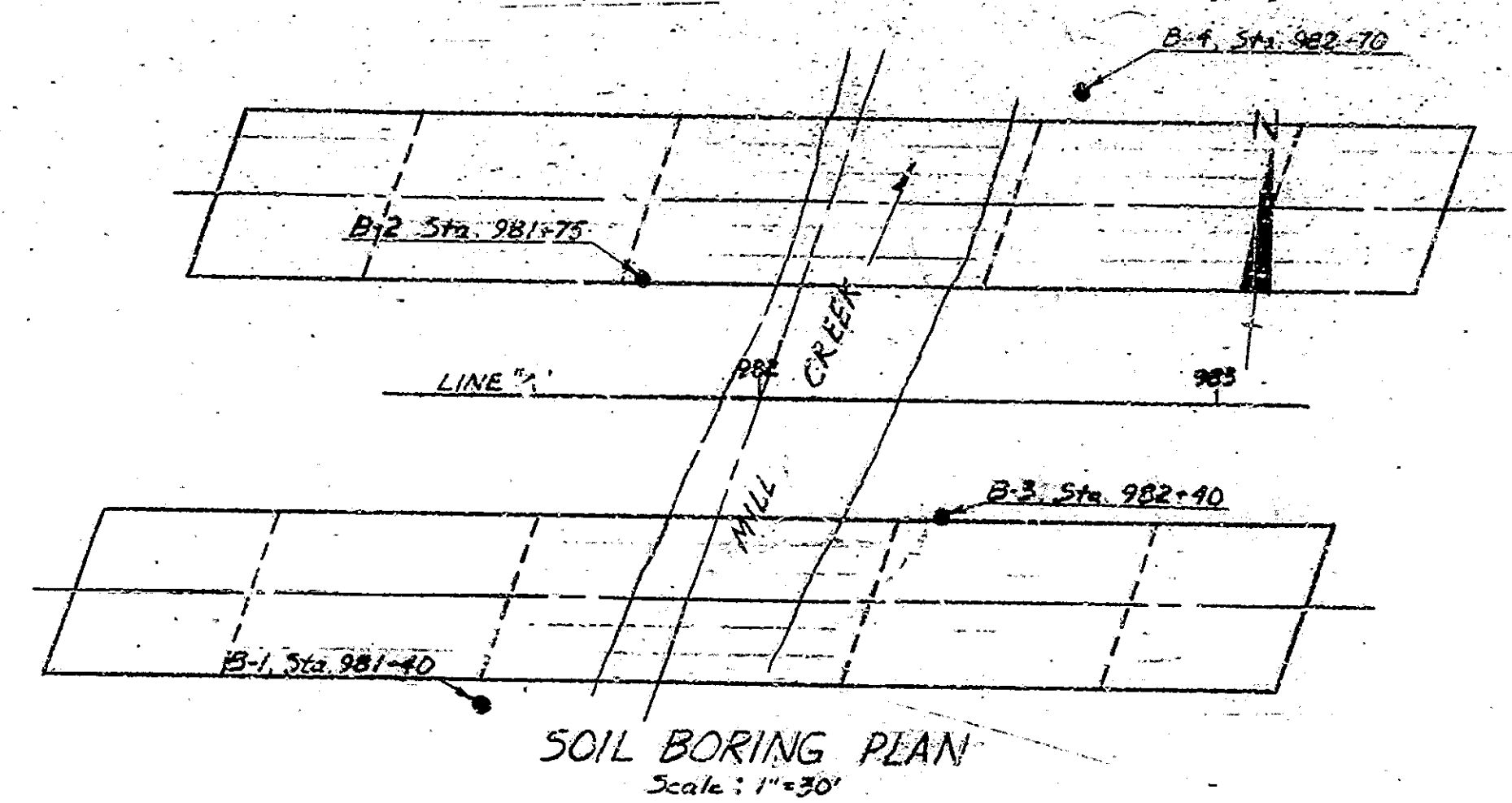
*C. J. Klingenberg*

INDEX CONTINUED STANDARD DRAWINGS						
SHEET NO.	SHEET DESIGNATION	SUBJECT	S.P.E. APPROVAL	ADOPTED REVISION NO.	DATE	TOTAL SHEETS
16	BRIDGE STD. C1	STANDARD MISCELLANEOUS DETAILS				
16	BRIDGE STD. C2	STANDARD MISCELLANEOUS DETAILS				
16	BRIDGE STD. D	CASTING DETAILS, ROADWAY DRAINAGE				
17	BRIDGE STD. J	TYPICAL BEAM GUARD RAIL DETAILS				
17	BRIDGE STD. GHA	TYP. DETAILS OF TRUCKS, TRAVELMENT & LOC. TOE OF SL. AROUND END BENTS				
17	BRIDGE STD. H	TYP. DETAILS OF TRUCKS, TRAVELMENT & LOC. TOE OF SL. AROUND END BENTS				
17	BRIDGE STD. I	CONT. STEEL BEAM-TYP. APPROACH DETAILS-TWIN STRUCTURES				
17	BRIDGE STD. I-1	CONT. STEEL BEAM-TYP. APPROACH DETAILS-TWO-LANE STRUCTURES				
17	BRIDGE STD. I-2	MISCELLANEOUS APPROACH DETAILS				
17	BRIDGE STD. I-3	MISCELLANEOUS APPROACH DETAILS				
17	BRIDGE STD. I-4	MISCELLANEOUS APPROACH DETAILS				
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17	BRIDGE STD. I-100	MISCELLANEOUS APPROACH DETAILS				

BRIDGES OVER 20' SPAN					
BRIDGE NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-70-2(38)50	1965	1	24



BRIDGES OVER 20' SPAN					
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1224	1963	3	4



BORING NO. 1 Sta. 981+40 Offset 65' Lt. Surf. El. 742.7			
Elev.	Depth	N	Description
742.7	0		Surface
		Push	
		2/3	Dark brown moist medium stiff sandy clay LOAM.
		2/4	
734.7	8		
		1/2	Brown and gray mottled moist soft sandy clay LOAM.
727.5	15.2		
		1/1	Gray moist wet very soft organic silty LOAM with fine sand seams.
723.7	19		
		4/5	Gray moist medium stiff silty clay LOAM.
717.2	25.5		
		11/15	Gray moist very stiff silty CLAY.
712.7	30		
		13/20	Gray wet medium dense fine to coarse SAND with some fine gravel and thin clay seams.
707.7	35		
		20/21	
		14/20	Gray moist hard to very stiff sandy clay LOAM.
697.7	48		
		26/40	Gray moist very dense SILT.
692.7	50		Bottom of test boring.

BORING NO. 2 Sta. 981+75 Offset 25' Lt. Surf. El. 743.5			
Elev.	Depth	N	Description
743.5	0		Surface
742.0	1.5	Push	Brown moist medium stiff silty CLAY with a trace of organic matter (topsoil).
739.5	4.0	2/4	Brown moist medium stiff sandy clay LOAM.
		3/4	
734.0	9.5		Brown and gray mottled moist medium stiff silty CLAY.
730.0	13.5		Brown gray mottled moist soft silty LOAM with some organic material and sand seams.
		15/15	
		15/26	Gray moist very stiff to hard sandy clay LOAM.
		15/19	
715.5	28.0		
		31/45	Gray moist hard silty CLAY.
713.5	30.0		Bottom of test boring.

BORING NO. 3 Sta. 982+40 Offset 25' Rt. Surf. El. 743.7			
Elev.	Depth	N	Description
743.7	0		Surface
		Push	
		1/3	Brown moist medium stiff to soft silty LOAM with sand seams.
		3/4	
734.7	9.0		
		2/2	Brown and gray mottled very moist soft silty LOAM with a trace of organic material.
729.7	14.0		
		1/2	Gray wet very loose fine to coarse SAND and fine gravel.
725.7	18.0		
		18/10	
		6/7	Gray moist very stiff to stiff sandy clay LOAM.
714.7	29.0		
		17/15	Gray moist hard silt.
710.7	33.0		
		13/17	Gray moist hard sandy clay LOAM.
707.2	36.5		Bottom of test boring.

BORING NO. 4 Sta. 982+70 Offset 65' Lt. Surf. El. 742.2			
Elev.	Depth	N	Description
742.2	0		Surface
		Push	
740.2	2.0		Brown moist very loose fine SAND.
		3/5	
		3/5	Light brown moist medium stiff silty CLAY.
733.2	9.0		
		2/2	Brown and gray mottled very moist soft silty LOAM with a trace of organic matter.
726.2	16.0		
		2/4	Gray moist medium stiff silty CLAY with thin wet sand seam.
723.2	19.0		
		11/16	Gray moist very stiff to hard sandy clay LOAM.
		13/21	
714.2	28.0		
		11/27	Gray moist hard silty CLAY.
712.2	30.0		Bottom of test boring.

NOTES:  
 N - Indicates number of blows per foot in standard penetration test driving 2" O.D. sampler with 140 lb. hammer falling 50 inches. Count made at 6" intervals.  
 ← - Indicates free ground water elevation.  
 Date of borings: 5-22-63 to 5-23-63

SOIL BORING LOGS  
Scale: 1"=5' Vertical

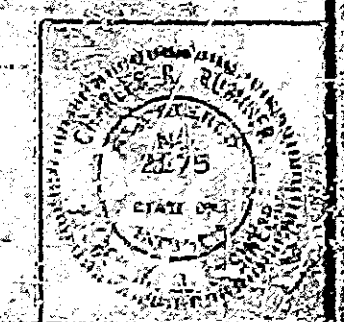
DESIGNED: CKD  
 DRAWN: R.W. GIBSON  
 TRACED: CKD

INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED SEPTEMBER 30 1963

RECOMMENDED FOR APPROVAL: C.R. Hummel

DRAWING OF PROJECT: I-70-27(18) 30  
 BRIDGE CONTRACT NO. 7000  
 BRIDGE FILE: I-70-37-3728





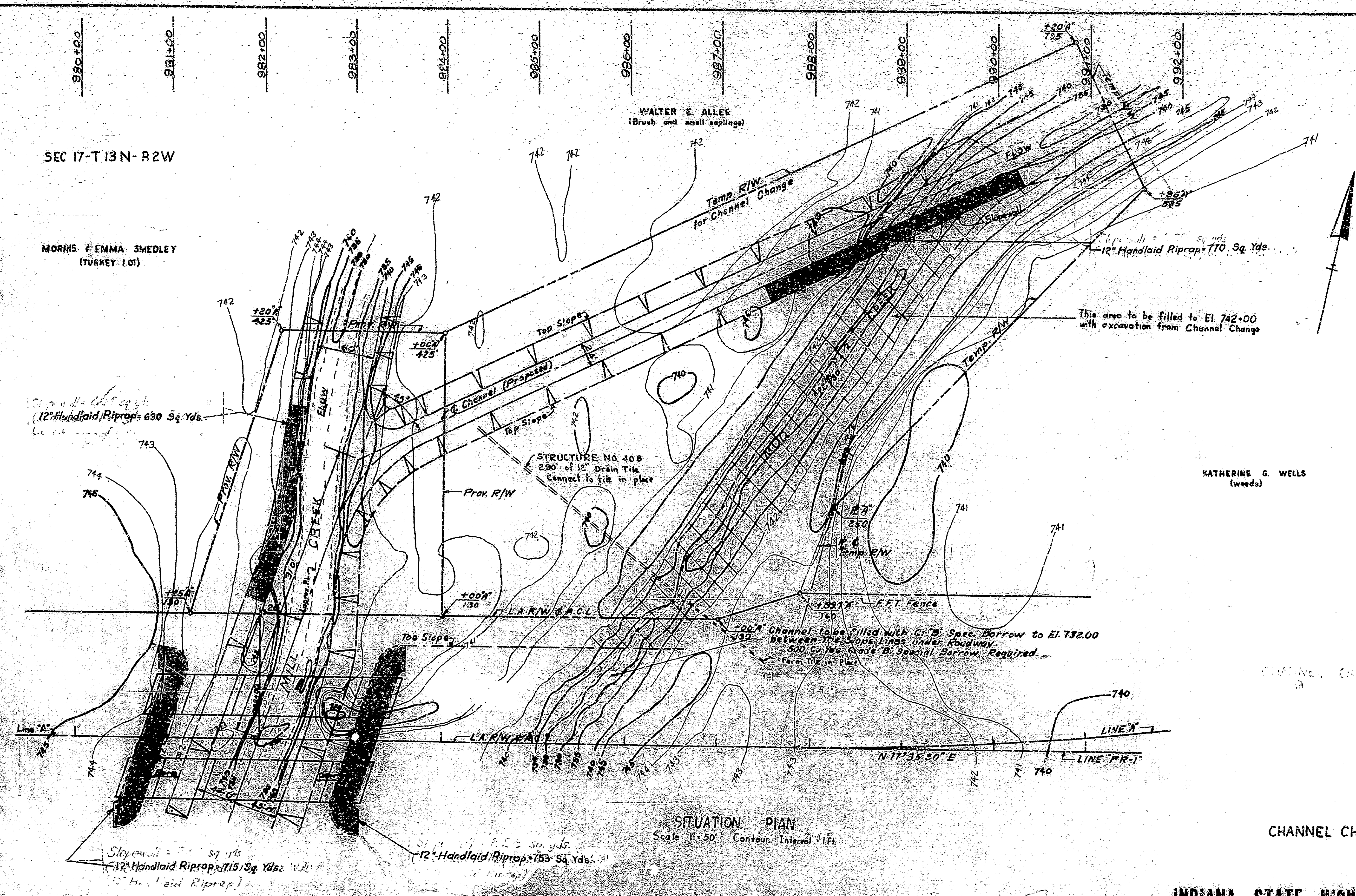
BRIDGES OVER 20' SPAN					
NO. ROAD	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-70-31	1964	4	25

SEC 17-T 13N-R2W

MORRIS FEMMA SMEDLEY  
(TURKEY LOT)

WALTER E. ALLEN  
(Brush and small saplings)

KATHERINE G. WELLS  
(weeds)



SITUATION PLAN  
Scale: 1" = 50' Contour Interval: 1 Ft.

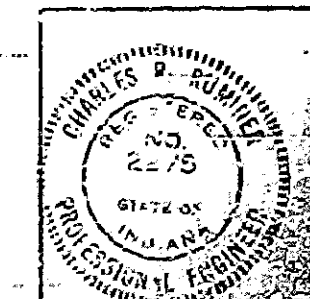
CHANNEL CHANGE

INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED SEPTEMBER 30, 1964

RECOMMENDED FOR APPROVAL: *C. B. [Signature]*

DRAWING: OF  
PROJECT: 1-70-2(38) 30  
BRIDGE CONTRACT NO. 7000  
BRIDGE FILE: 1-70-31-5178

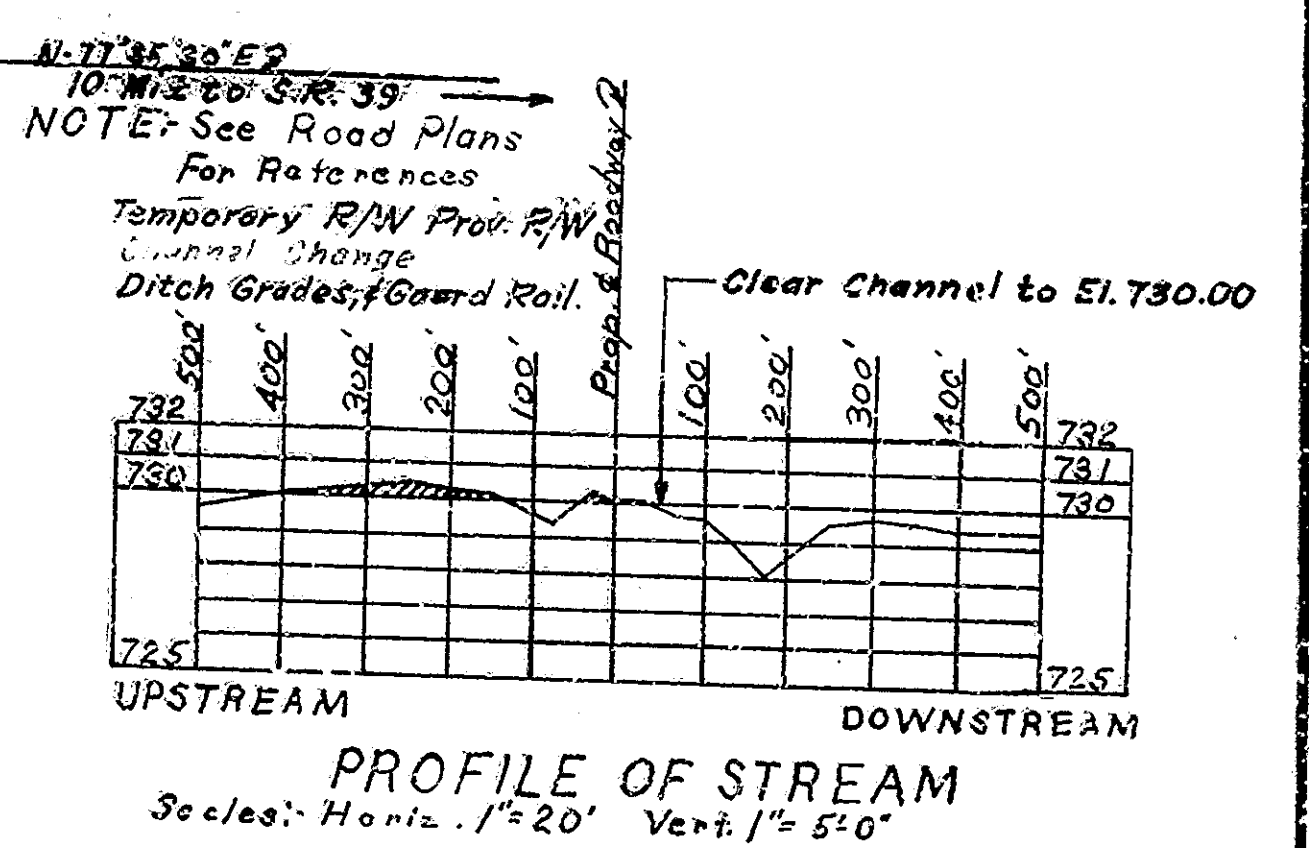
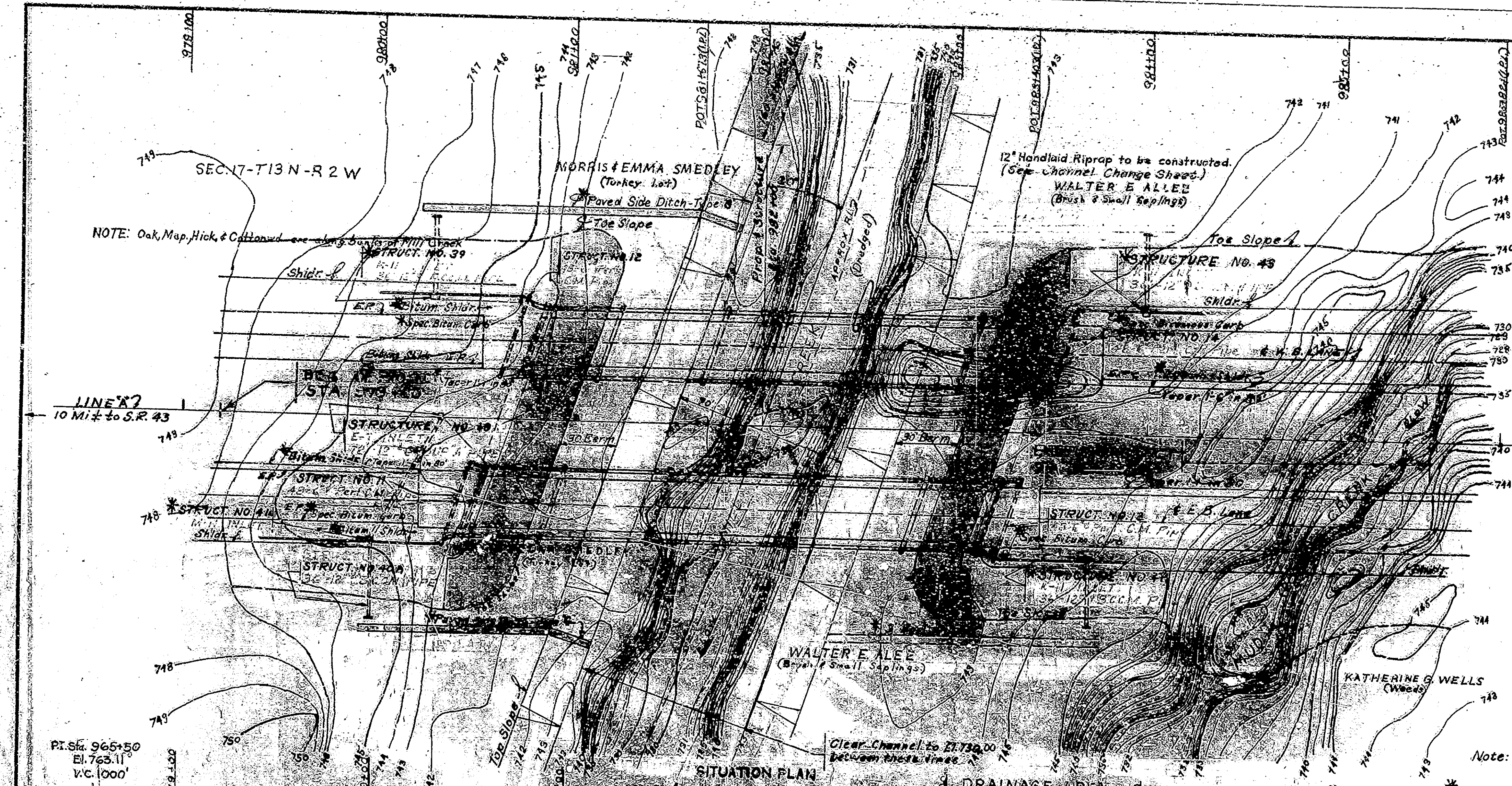


DESIGNED: [Signature]  
DRAWN: [Signature]  
TRACED: [Signature]



BRIDGES OVER 20' SPAN					
PUB. ROAD REG. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-70-203	1965	5	24

**UTILITY OWNERS**  
 P.W. Hendricks Co. BEAC, Danville, Ind.  
 T.P. Clay Co. Rural Tele. Corp.,  
 Cloverdale, Ind.

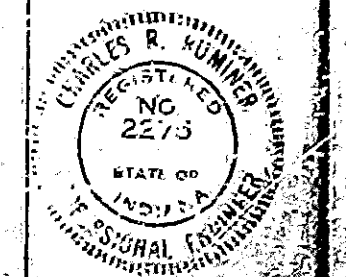


Note: See Summary Sheet for Approach Quantities  
 \* Items not included in Bridge Contract

\* Fill + 20% = 42,400 Cu. Yds.  
 Surplus Excav = 38,400 Cu. Yds.  
 Spec. Borrow = 4,000 Cu. Yds.  
 \* Includes 9800 Cu. Yds. of Fill in Mud Creek Channel

**LAYOUT**  
 TWIN R.C. GIRDER & CONTINUOUS R.C. GIRDER BRIDGES  
 3 SPANS - 33'-5", 56'-5", 79'-56", 35'-20" SKRT - 33'-0" RDWY - 6' CURBS  
 OVER MILL CREEK ON I-70  
**INDIANA STATE HIGHWAY COMMISSION**  
 PUTNAM COUNTY  
 SCALE AS NOTED SEPTEMBER 30, 1964  
 RECOMMENDED FOR APPROVAL: *C. R. ...*  
 DRAWING: 3 OF 10  
 PROJECT: I-70-203-30 STATION: 982+00  
 BRIDGE CONTRACT NO. 7000  
 BRIDGE FILE: I-70-51-6-178

DESIGNED BY: ...  
 DRAWN BY: ...  
 CHECKED BY: ...



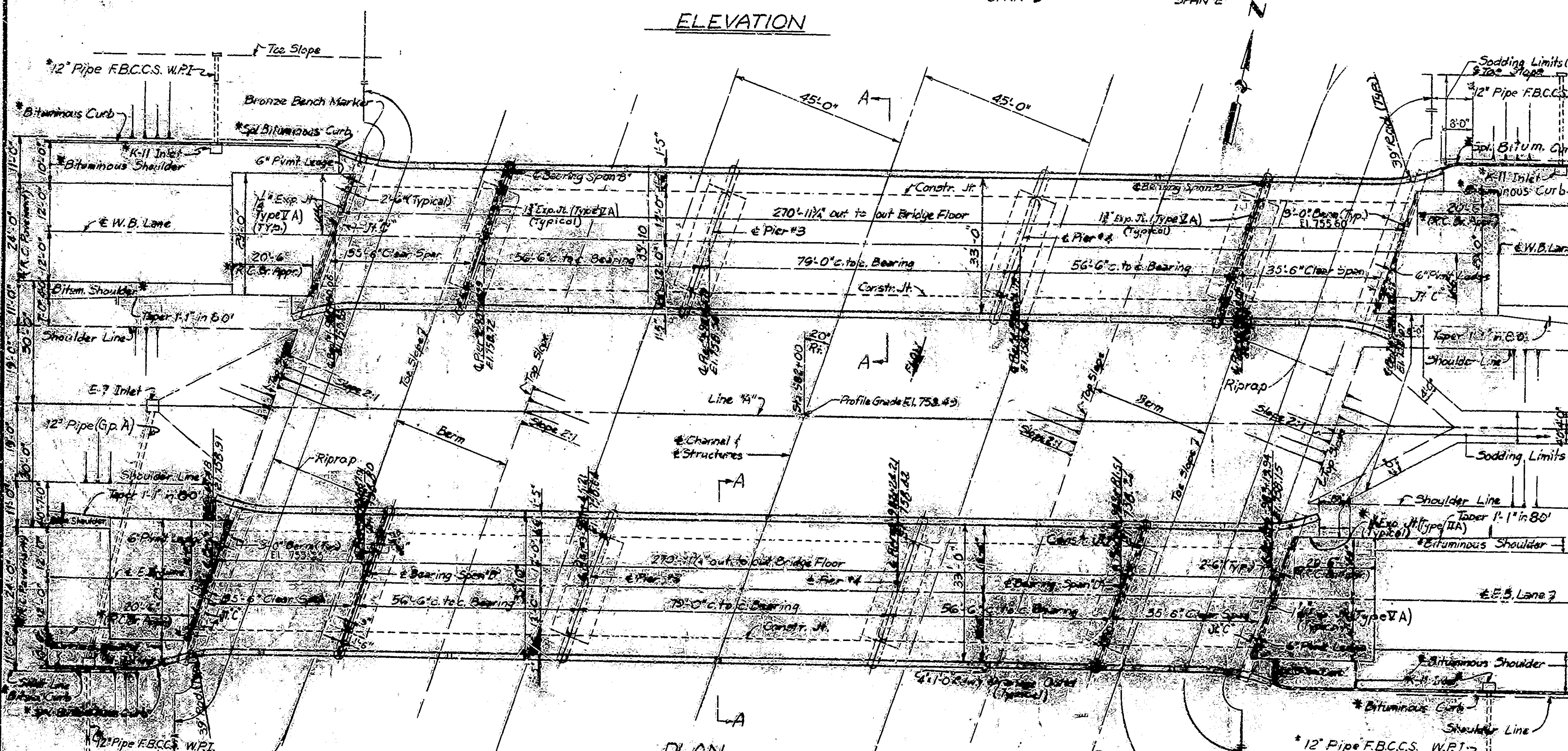
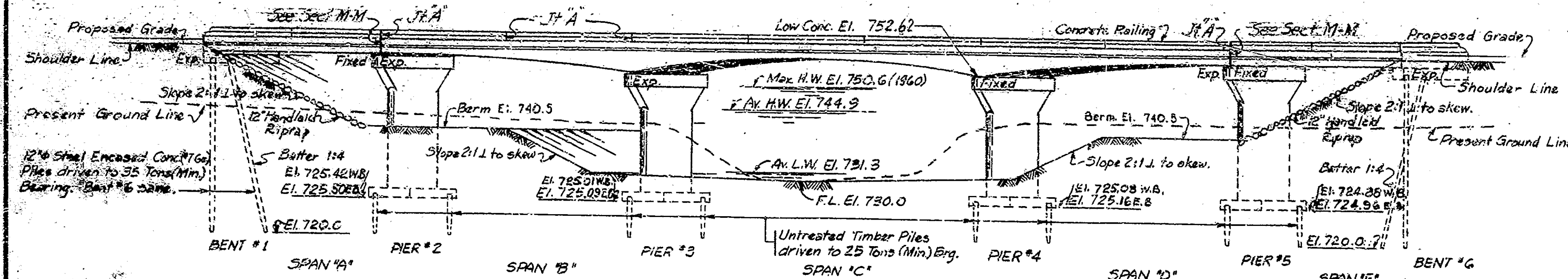


NOTE: STRUCTURE TO BE BUILT TO A -0.28% GRADE.

STANDARD DRAWINGS

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-70-2(38)	1965	6	24

BR. STD.	RX. STD.	PURPOSE
C		Plain concrete, sinking pile shells
F		Standard Expansion Joint Details
Ms		Stapewall
S		Drilling Grade 'B' Special Barren
M		Type 'T' Casting
M		Type 'E' Unit
Mc		Headwall
Mo		Group 'A' Pile
Mh		Construction Identification Signs
Mi		Pavement Objects



GENERAL NOTES

- No present structure at proposed bridge site.
- Depth of footings to be extended if found necessary. See Art B-403.2(a) of the Specifications.
- Piles shall have minimum bearing value shown on detail drawings. Determine pile lengths by Art F103 and F203 of Specifications.
- For details of steel encased concrete piles, see Bridge Standard C1, the Special Provisions, and applicable articles in the Specifications.
- Piles shall be driven to elevation shown on plans, or below if necessary, to obtain desired bearing.
- Reinforcing steel covering shall be 1/2 inches in top and 1 inch minimum in bottom of floor slabs, 3 inches in footings except bottom steel which shall be 4 inches, 1 1/2 inches for stirrups in T-beams and bent caps, and 2 inches in all other parts unless noted.
- Concrete in footings and pier stems up to construction joint to be Class "E". Concrete in superstructure, including railing, bent caps, and top of pier stems down to construction joint to be Class "F". Concrete in steel encased concrete piles to be Class "D".
- Continuous concrete pours shall be required between construction joints as shown on detail drawings.
- Bevel forms 1/4" under copings, and chamfer exposed edges 1 inch unless noted.
- 20" Roadway drainage outlets to be placed as shown on this drawing.
- Construct 12" Handlaid Riprap at locations shown on layout and channel change sheet.
- Tolerance in position of steel encased concrete pile head is 2 inches maximum.
- Three 1 inch expansion joints with load transfer to be placed in the pavement as shown on Bridge Standard M3.
- All railings to be constructed perpendicular to grade.
- See Special Provisions for items included in this contract.
- Coat top of Bent Caps and Piers #2 & 5 with Epoxy Revn. Included in cost of other items.
- Expansion Joint Armor to be shaped in shop to fit crown of Roadway.

DESIGN DATA

Designed for HS 20-44 loading in accordance with 1961 A.A.S.H.O. Specifications.  
Structures checked for 2-24,000 lb axes spaced 4'-0" apart.

JOINT LEGEND

Joint "A" indicates 3/4" open joint in railing only.  
Joint "C" indicates 1/2" preformed joint filler under front 6" of girder bearing area, with one layer of medium weight roofing felt under remainder of bearing area and on vertical faces of keyways.

TYPICAL CROSS SECTION

See Sheet No. 2 for Standard Divided Lane Section for Federal Aid Interstate Projects.

GENERAL PLAN

TWIN R.C. GIRDER & CONTINUOUS R.C. GIRDER BRIDGES  
5 SPANS: 35'-10", 33'-0", 35'-5", 35'-5", 35'-5"  
6 CURBS 33' ROADWAYS  
OVER MILL CREEK ON I-70

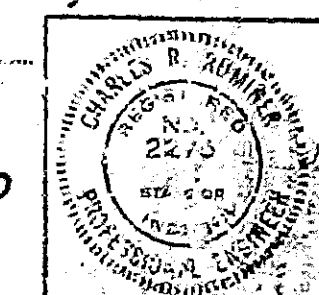
INDIANA STATE HIGHWAY COMMISSION

PUTNAM COUNTY

SCALE: 1/4" = 1'-0" UNLESS NOTED SEPTEMBER 30, 1964

RECOMMENDED FOR APPROVAL: [Signature]

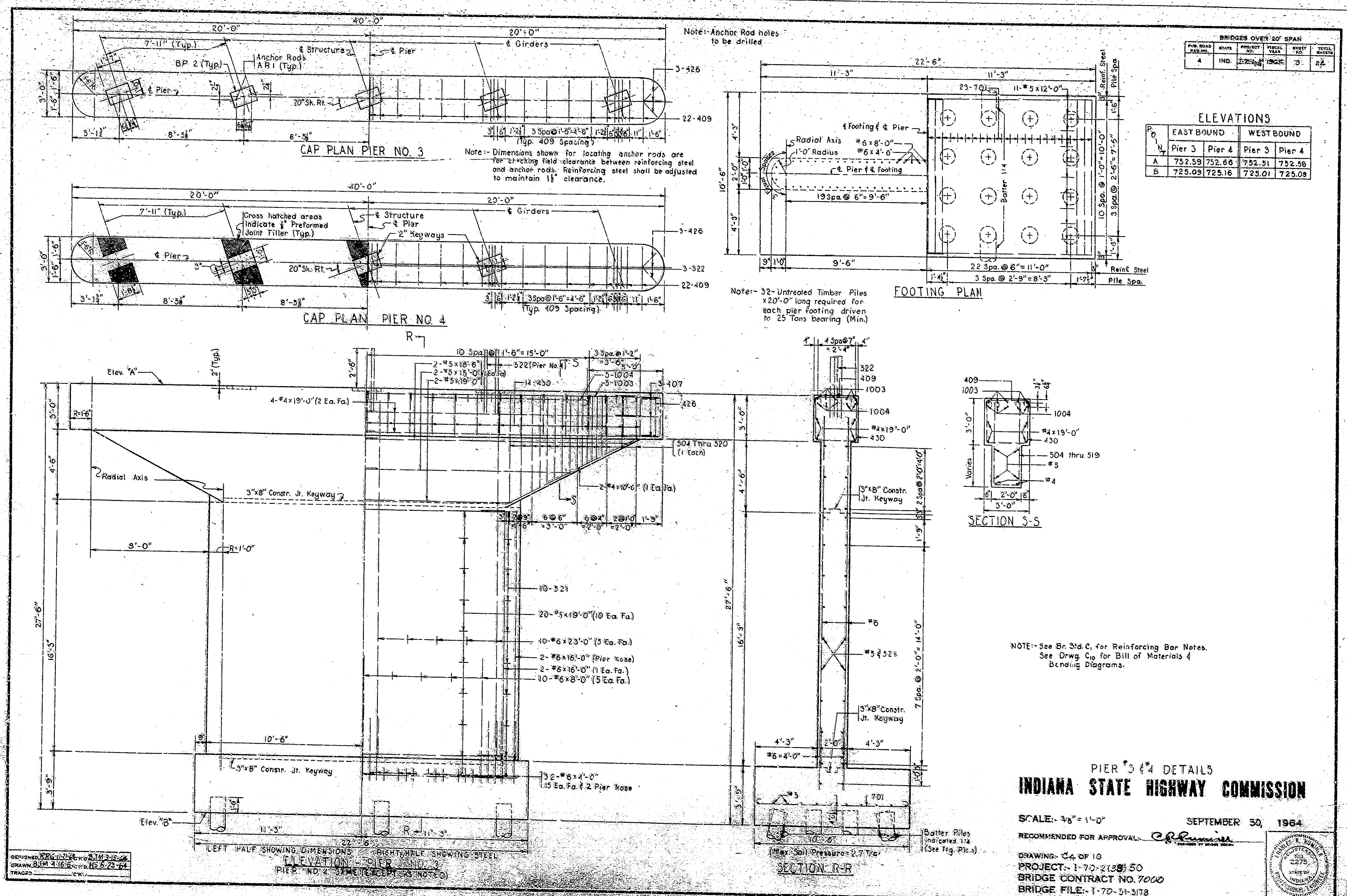
DRAWING: C2 OF 10  
PROJECT: I-70-2(38)50 STATION: 982+00  
BRIDGE CONTRACT NO. 7000  
BRIDGE FILE: I-70-51-5178



DESIGNED: CKD  
DRAWN: [Signature]  
CHECKED: [Signature]  
TRACED: CKD

Rev. 1-28-64 Railing, Riprap, & Piles



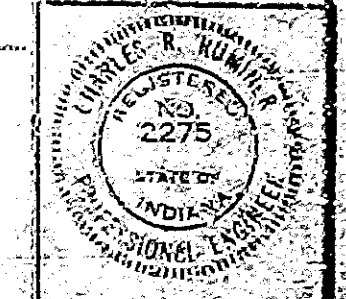


BRIDGES OVER 20' SPAN					
PUR. ROAD	STATE	PROJECT	FISCAL	SHEET	TOTAL
NO.		NO.	YEAR	NO.	SHEETS
4	IND.	2275	1964	3	22

ELEVATIONS				
P.O.	EAST BOUND		WEST BOUND	
	Pier 3	Pier 4	Pier 3	Pier 4
A	752.59	752.66	752.51	752.58
B	725.09	725.16	725.01	725.08

DESIGNED BY: R. G. ...  
 DRAWN BY: M. A. ...  
 CHECKED BY: ...

PIER 3 & 4 DETAILS  
**INDIANA STATE HIGHWAY COMMISSION**  
 SCALE: 3/8" = 1'-0"  
 SEPTEMBER 30, 1964  
 RECOMMENDED FOR APPROVAL: *[Signature]*  
 DRAWING: C4 OF 10  
 PROJECT: I-70-2(13) 50  
 BRIDGE CONTRACT NO. 7000  
 BRIDGE FILE: I-70-51-5178

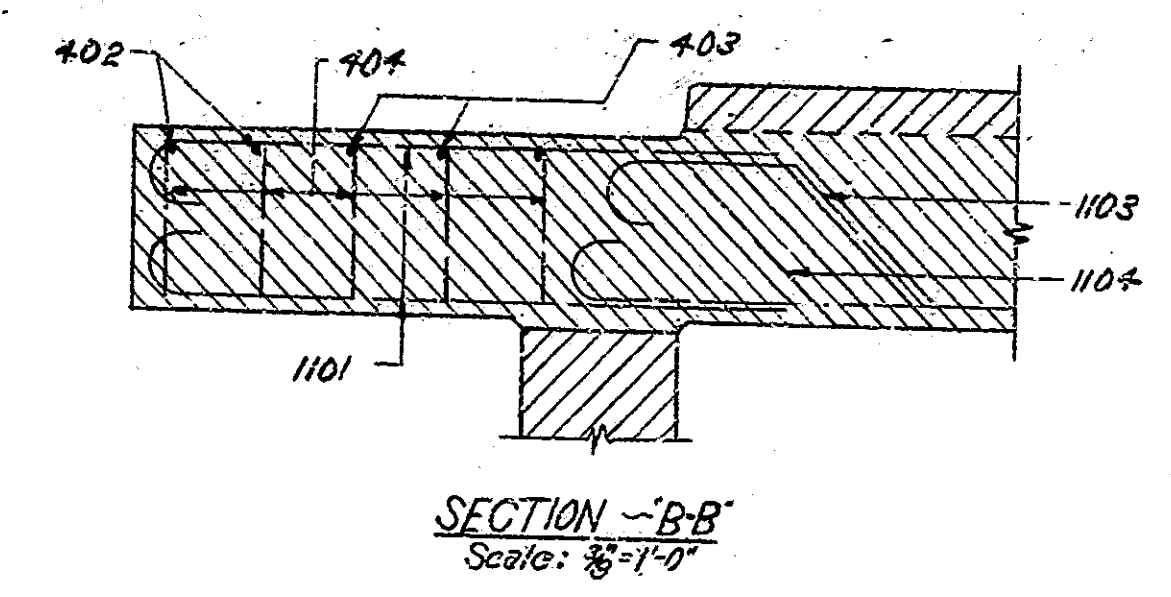
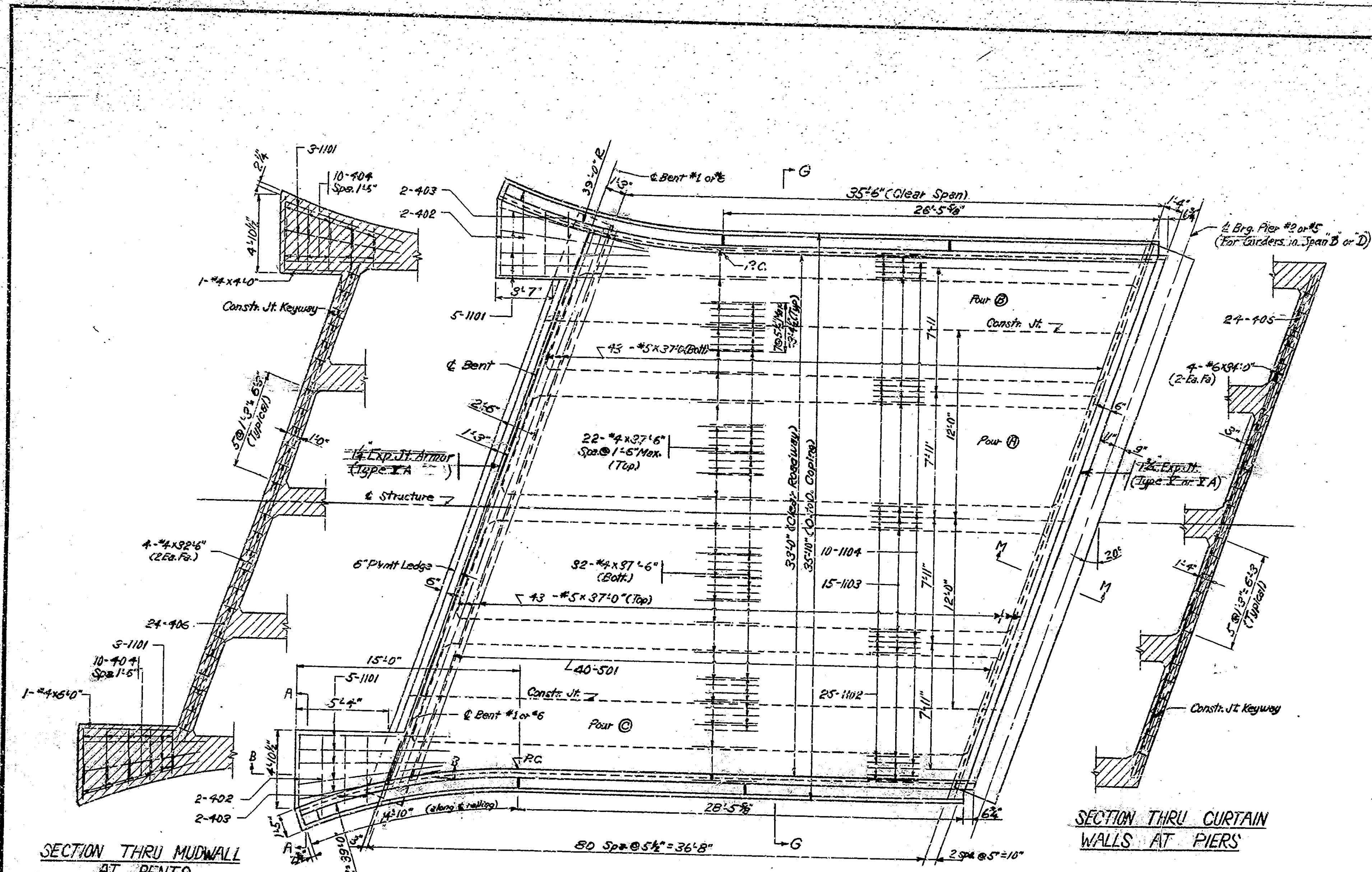




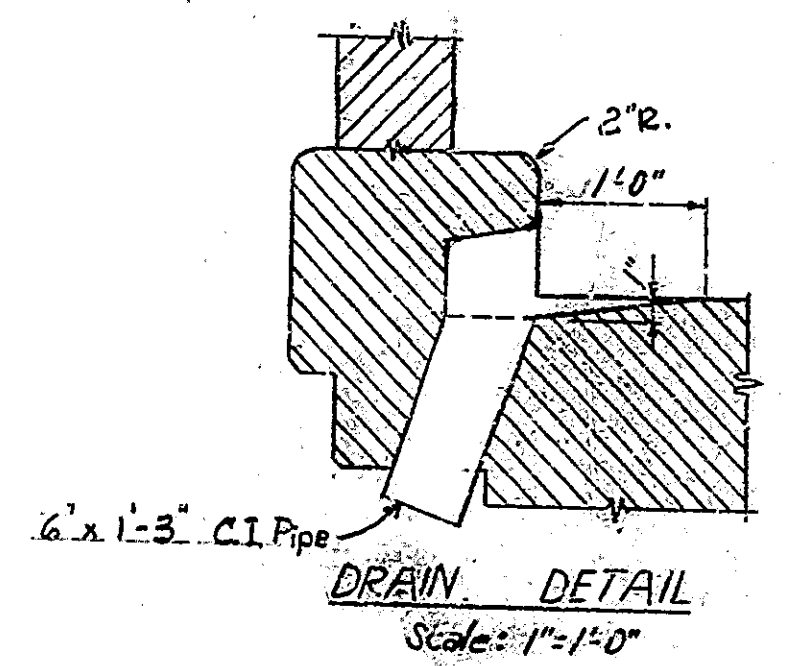




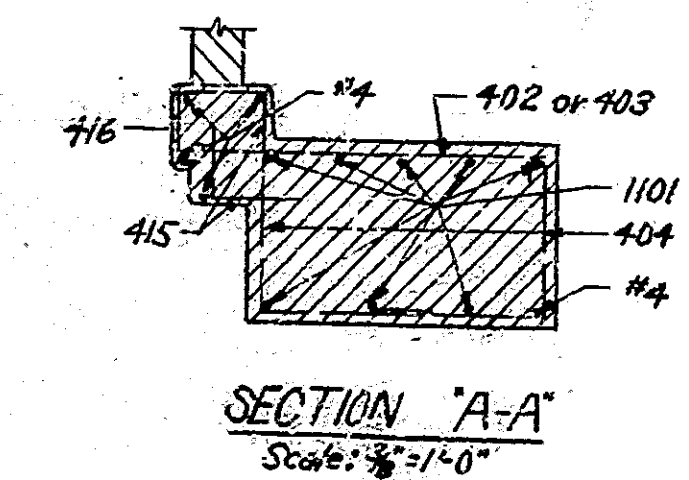
BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
4	IND.	200-2-350	1965	5



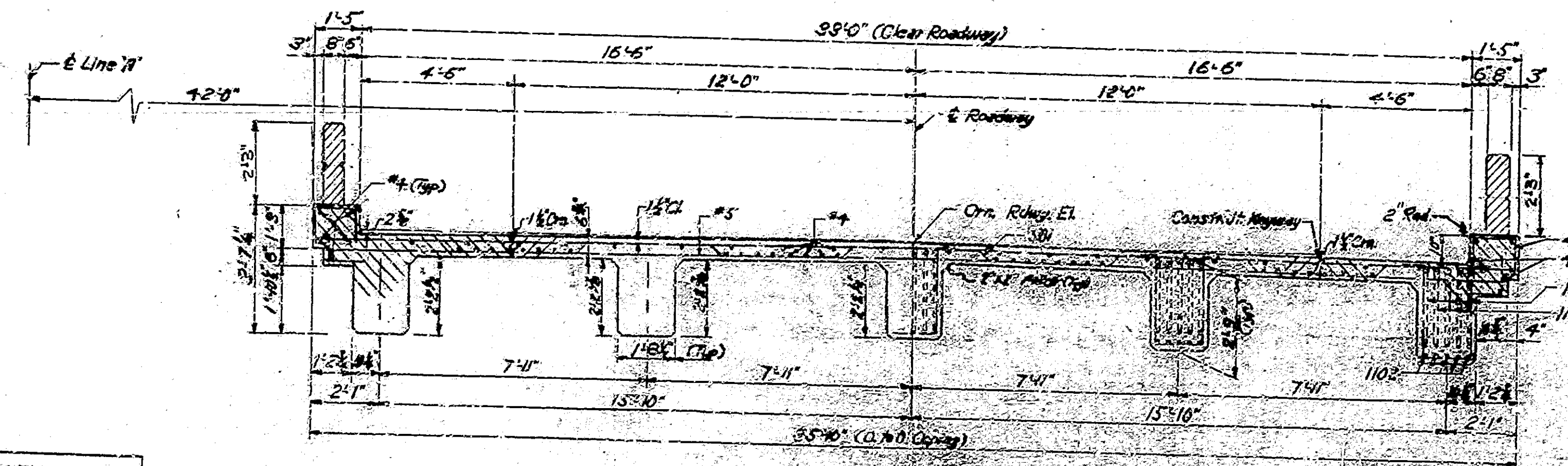
SECTION -B-B  
Scale: 1/2" = 1'-0"



DRAIN DETAIL  
Scale: 1" = 1'-0"



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



SECTION G-G

DESIGN DATA

Unit Stresses:  $f_s = 20,000$   $f_c = 1,200$   $f_{cp} = 1,200$   
 Live Load:  $1.4$ , with Impact, with distribution of loads in accordance with 1961 A.A.S.H.O. Specifications.  
 Structure checked for 2-24,000 axle spaced 4'-0" apart.  
 Dead Load increased 35%  $f_{cp}$  of roadway for future wearing surface.  
 Slab designed with 1/2" wearing surface.  
 Maximum dead load deflection = 7/8 inch.

NOTES:

See Br. Std. C1 for Reinforcing Bar Notes.  
 See Draw'g C6 for additional Superstructure Details.  
 See Draw'g C7 for section M-M.  
 See Br. Std. U1 for Exp. Jt. Details.

SPANS 'A'-'E'  
 SUPERSTRUCTURE DETAILS  
**INDIANA STATE HIGHWAY COMMISSION**

SCALE: 1/4" = 1'-0" (Unless Noted) SEPTEMBER 30, 1964

RECOMMENDED FOR APPROVAL: *C. R. Rummel*

DRAWING: 23 OF 10  
 PROJECT: I-70-2-350-50  
 BRIDGE CONTRACT NO. 7000  
 BRIDGE FILE: 2-35-51-578



DESIGNED BY: *Stark* CKD  
 DRAWN BY: *110442* CKD  
 TRACED: CKD

REV. 1-24-66-Ralling

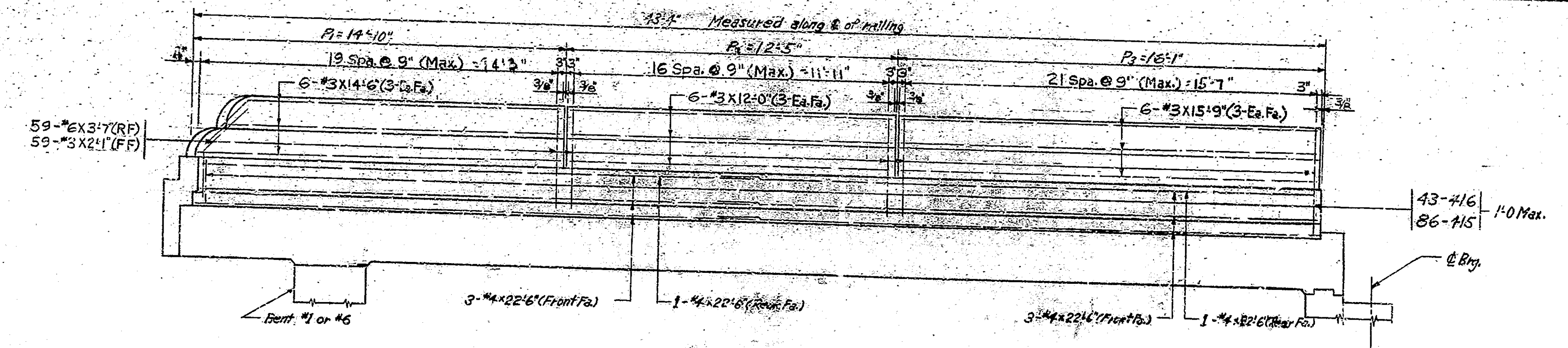


BRIDGES OVER 20' SPAN					
PUB. ROAD REP. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4-	IND.	1-70-51	1965	10	24

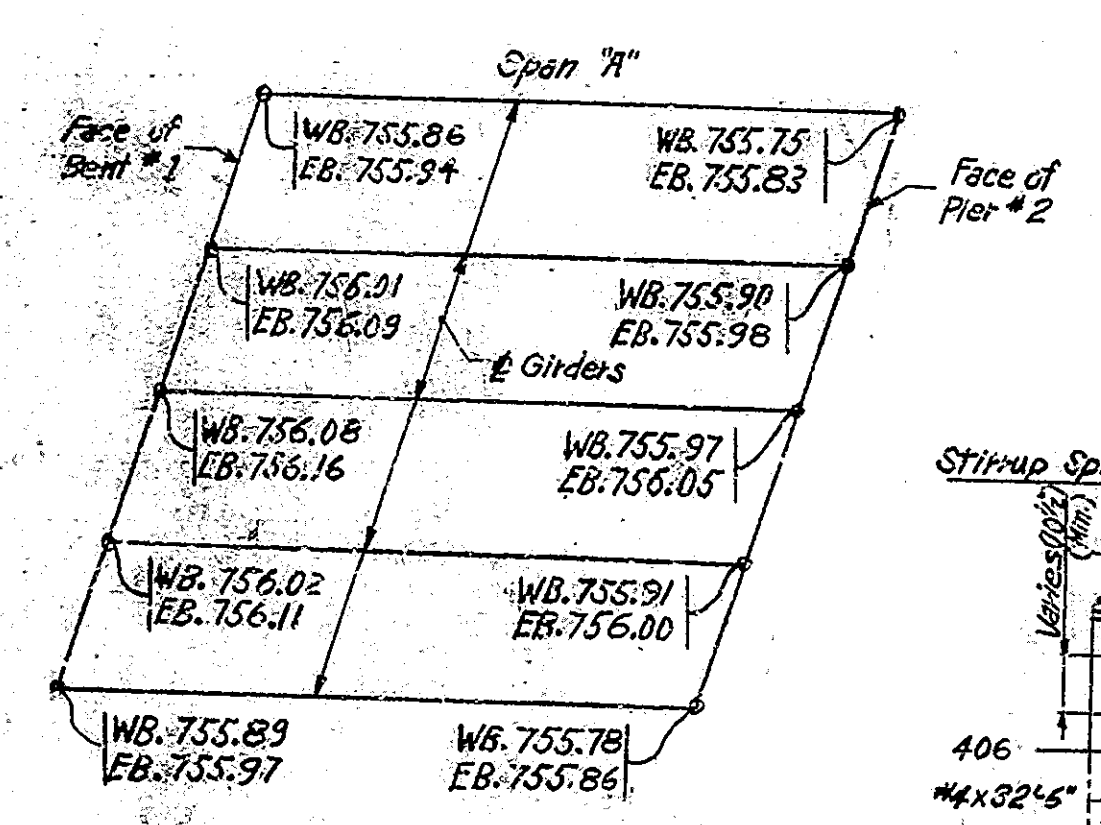
**BILL OF MATERIALS**

SPAN 'A' ~ SPAN 'E' SAME

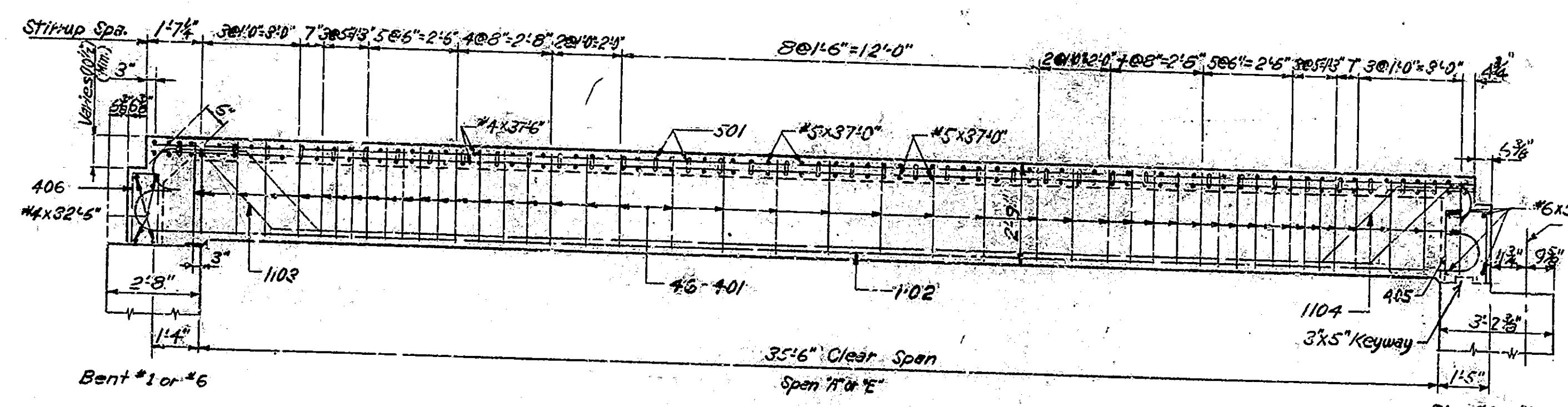
SIZE # MARK	NO. OF BARS	LENGTH	WEIGHT
1101	16	11'6"	
1102	25	4'1'6"	
1103	15	4'1'9"	
1104	10	4'2'2"	
Total #11			12,057#
#6	4	3'4'0"	
#6	118	3'7"	
Total #6			839#
501	40	38'2"	
#5	86	3'7'0"	
Total #5			4911#
401	230	7'4"	
402	4	6'4"	
403	4	5'0"	
404	20	6'1"	
405	24	4'7"	
406	24	4'3"	
415	172	2'1'2"	
416	86	2'0"	
#4	54	3'7'6"	
#4	4	5'2'6"	
#4	16	22'6"	
#4	1	6'0"	
#4	1	4'0"	
Total #4			3455#
#3	12	15'9"	
#3	12	14'6"	
#3	12	12'0"	
#3	118	2'1"	
Total #3			283#
Total Steel			21,545#



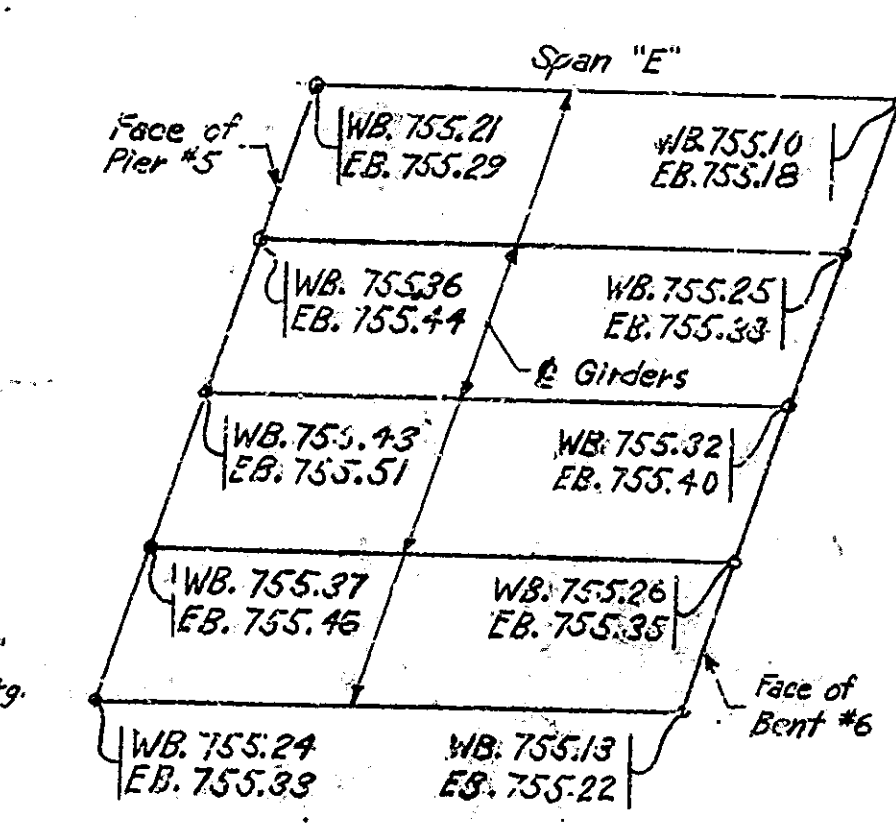
ELEVATION ~ SPAN 'A' OR 'E'



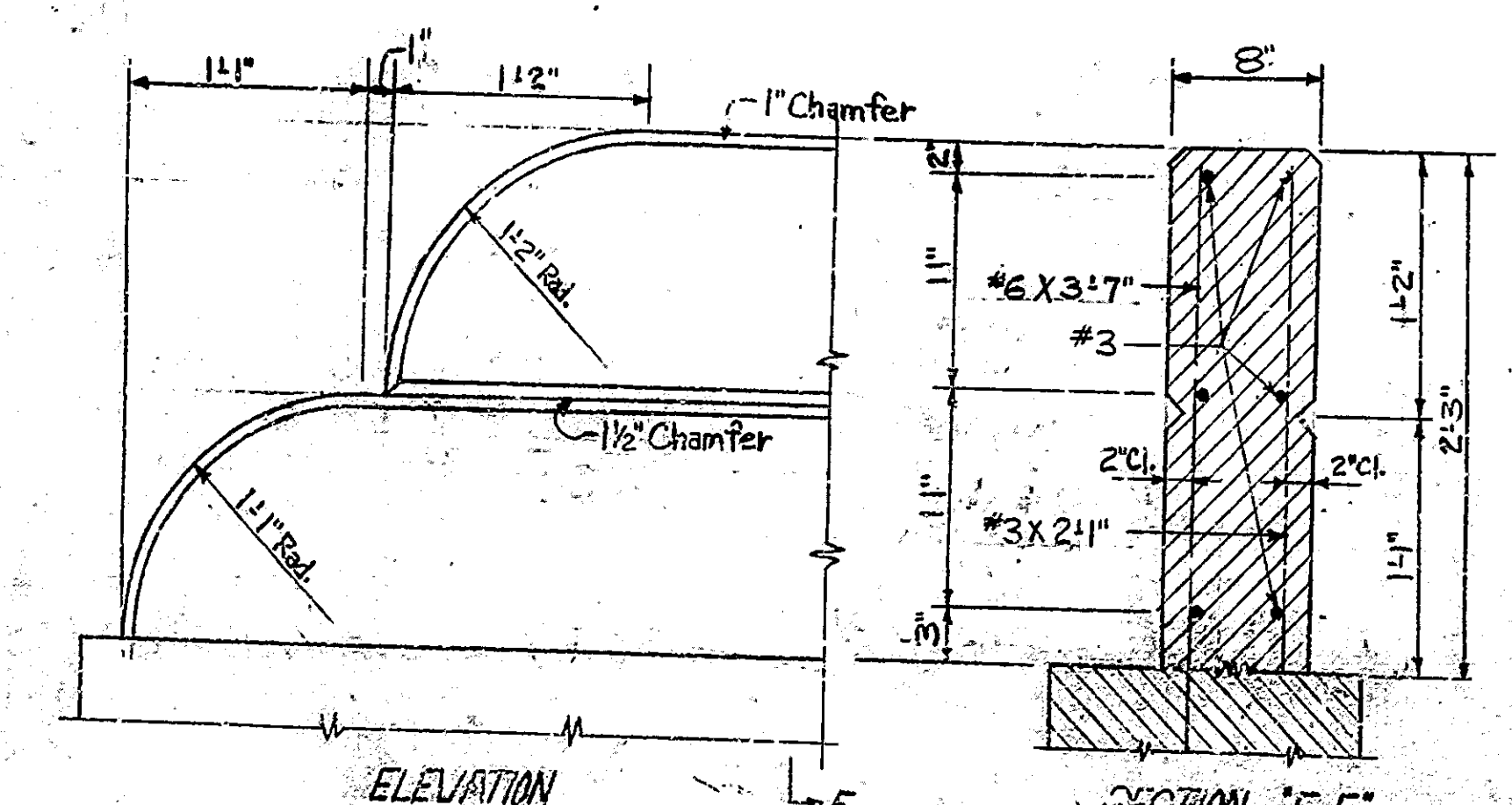
BOTTOM GIRDER ELEVATIONS SPAN 'A' ~ WB. & EB. STRUCT.



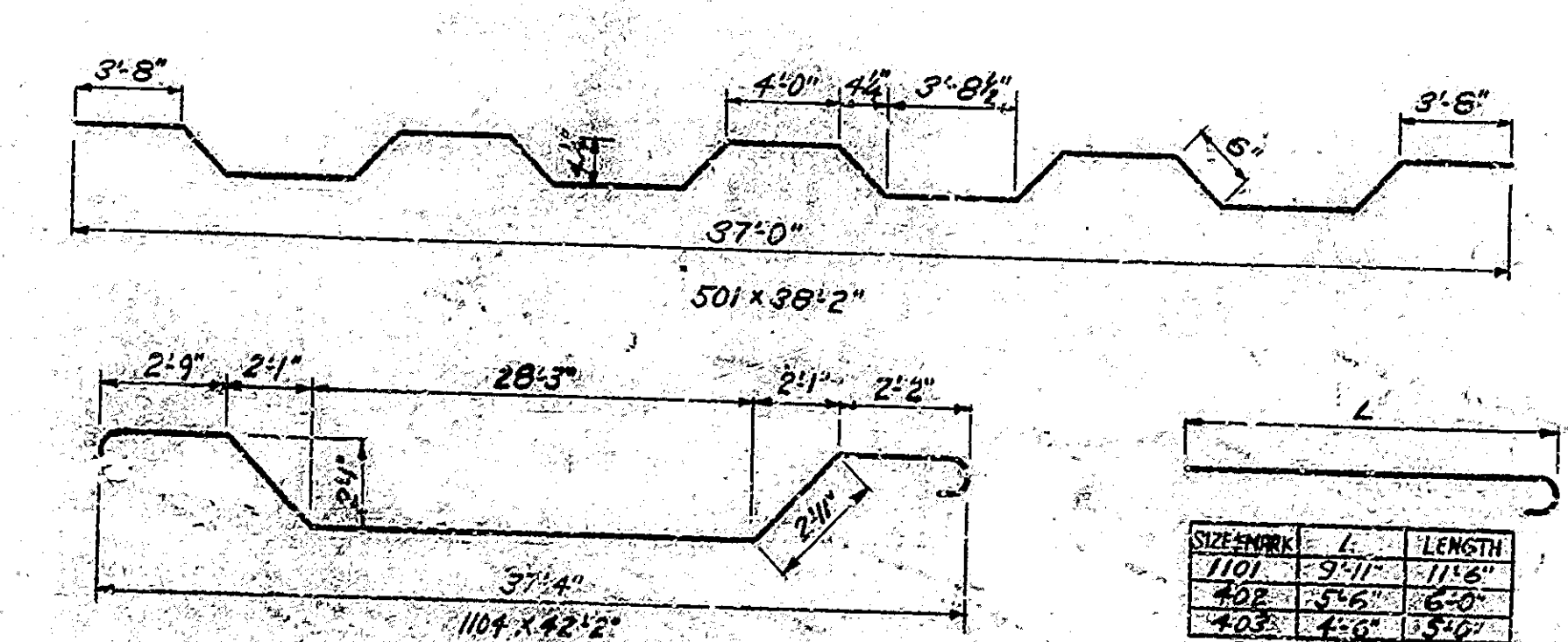
LONGITUDINAL SECTION



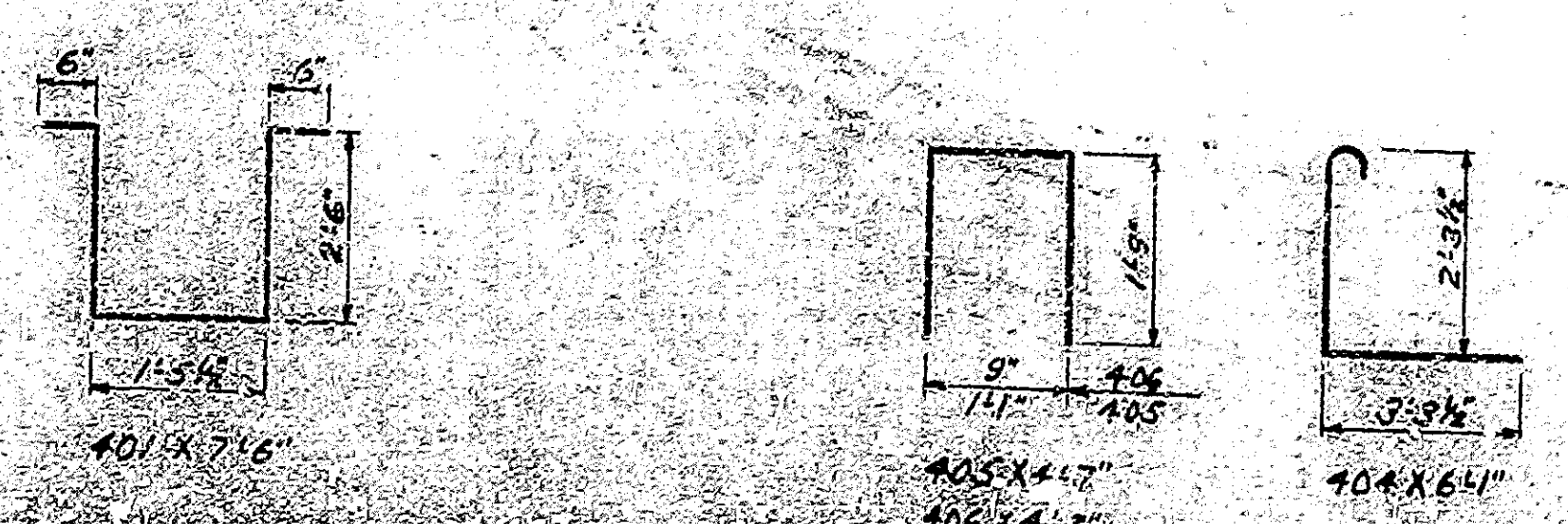
BOTTOM GIRDER ELEVATIONS SPAN 'E' ~ WB. & EB. STRUCT.



RAILING DETAILS Scale: 1/2" = 1'-0"



SIZE MARK	L	LENGTH
1101	9'11"	11'6"
402	5'6"	6'0"
403	4'6"	5'0"



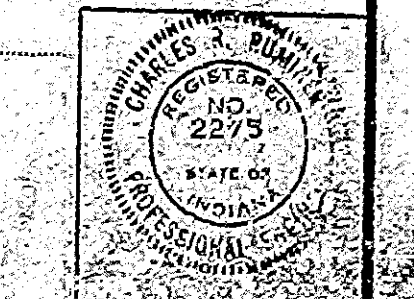
Note: See Bridge STD. C for Reinforcing Bar Notes. See Draw. 65 for Pile Legend.

SPAN 'A' & 'E' DETAILS  
**INDIANA STATE HIGHWAY COMMISSION**

SCALE: 3/8" = 1'-0" (UNLESS NOTED) SEPTEMBER 30, 1964

RECOMMENDED FOR APPROVAL: *C.R. Rummel*

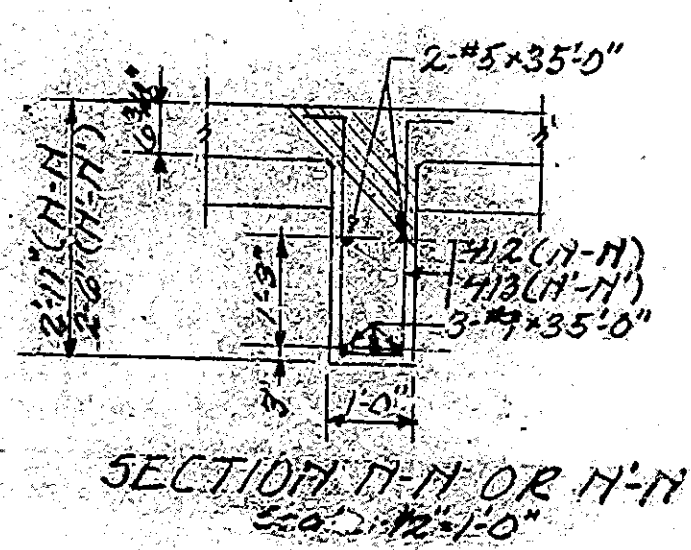
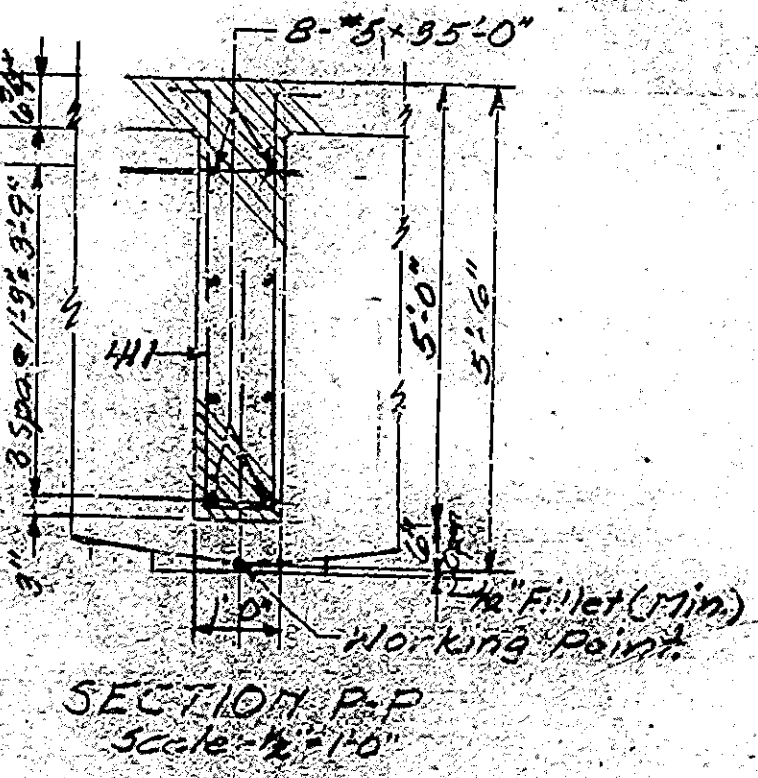
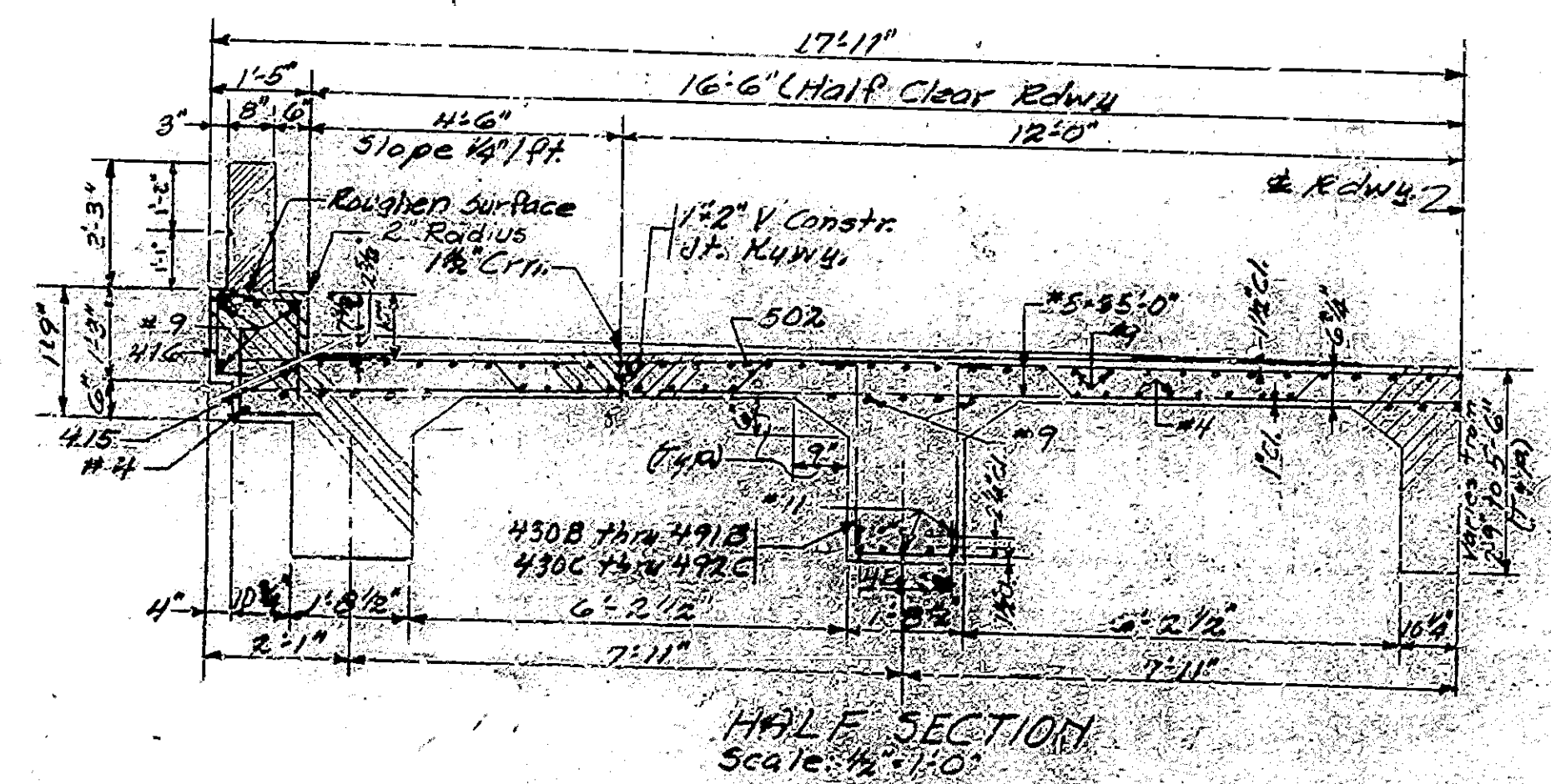
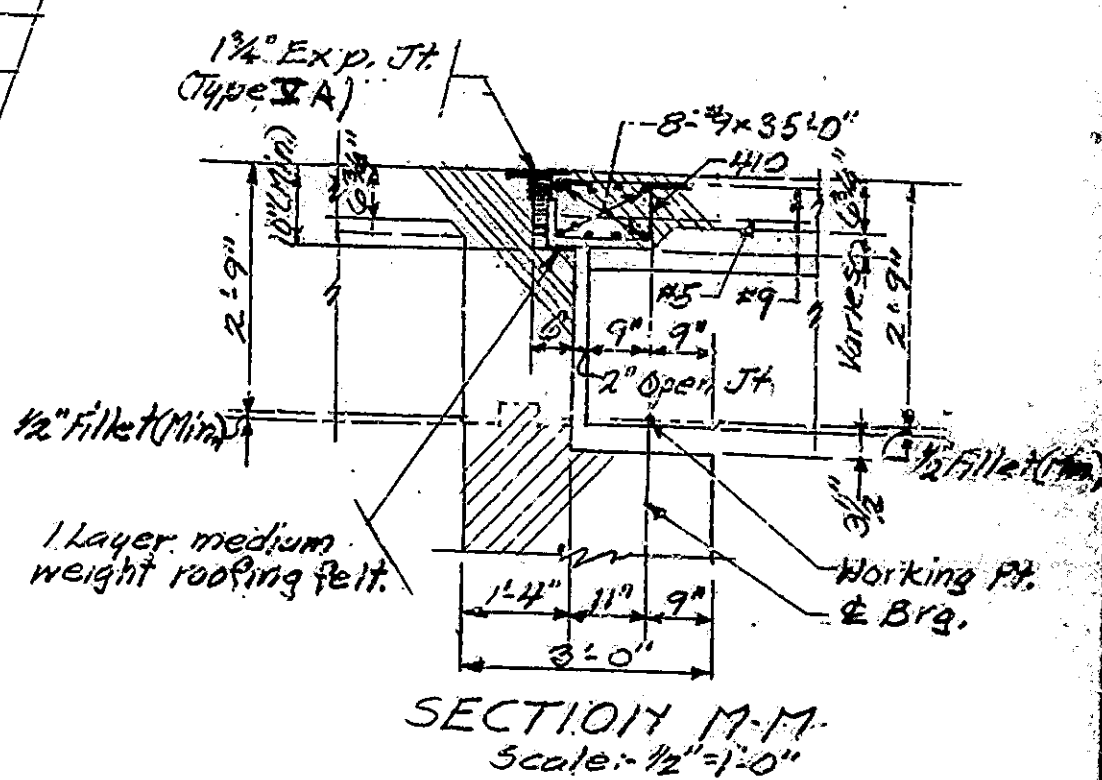
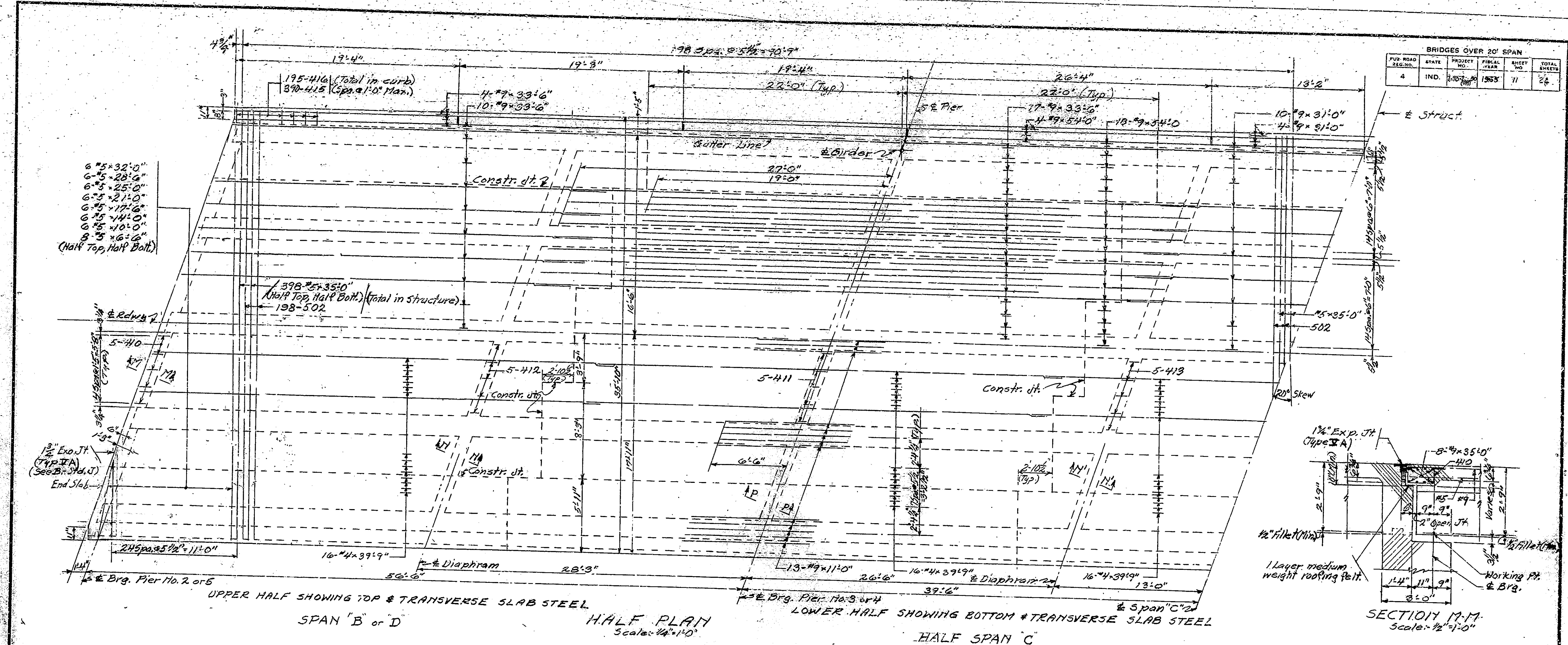
DRAWING: C & OF 10  
PROJECT: I-70-230-50  
BRIDGE CONTRACT NO: 7000  
BRIDGE FILE: I-70-51-577B



DESIGNED: *Stark* C.K.D.  
DRAWN: *H.D.* C.K.D. R.H. & J.P. & E.  
TRACED: C.K.D.



BRIDGES OVER 20' SPAN					
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-20-2(38) 50	1965	11	24



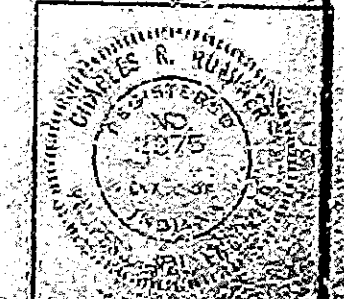
**DESIGN DATA**  
 UNIT STRESSES:  $f_c = 2,000 \text{ psi}$ ,  $f_s = 12,000 \text{ psi}$   
 LIVE LOAD: HS 20-44 with impact with distribution of loads in accordance with 1961 A.A.S.H.O. specifications.  
 Dead Load: increased 35% per sq. ft. of roadway for future wearing surface. Slab designed with 1/2" wearing surface. Str. checked for 2-24,000 psi steel spaced 4' apart.

NOTES: See Br. S.W. C.I. for reinforcing bar notes. See Dwg. C-10 for Bill of Materials. See Dwg. C-9 for Form Program.

SPANS B, C, & D DETAILS  
 INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED SEPTEMBER 30, 1964

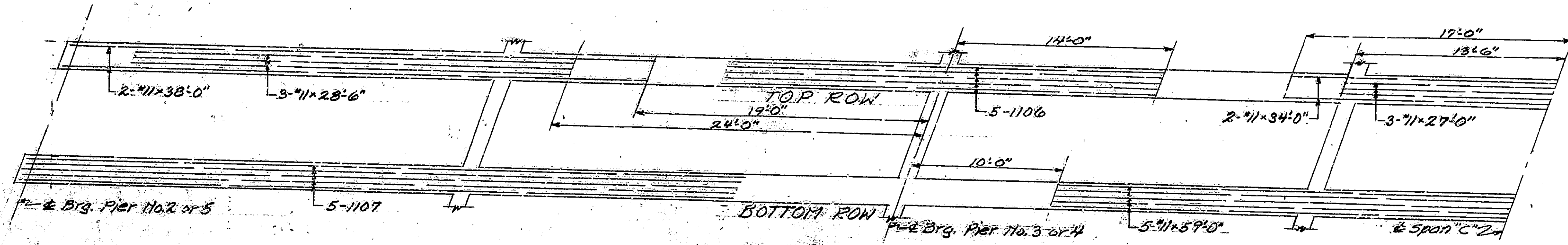
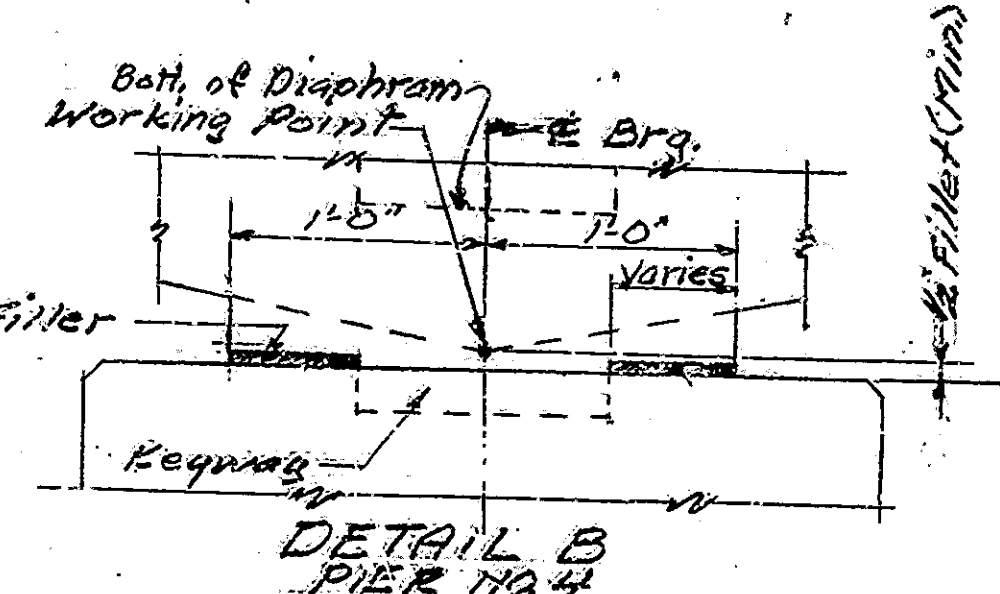
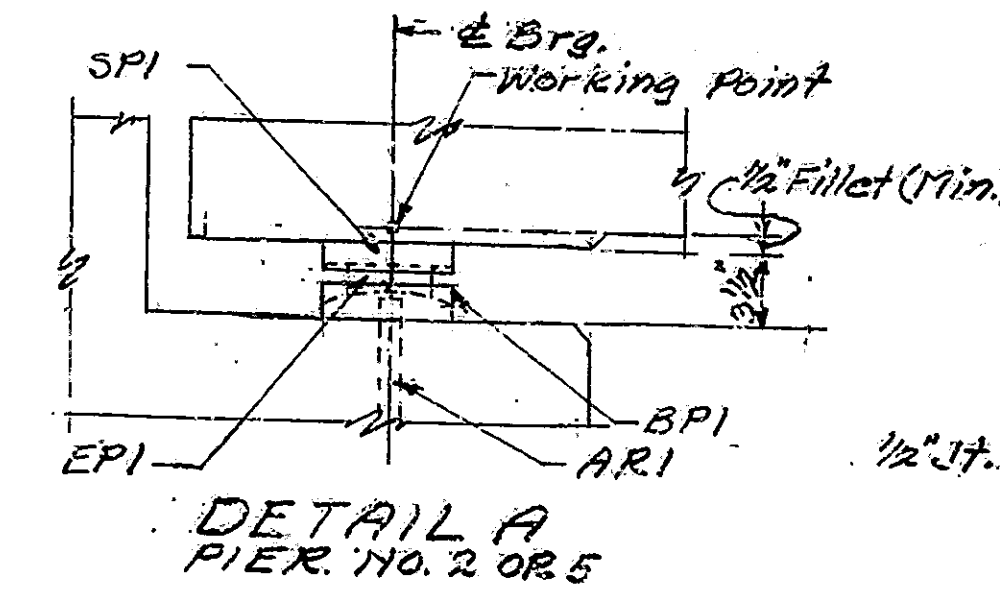
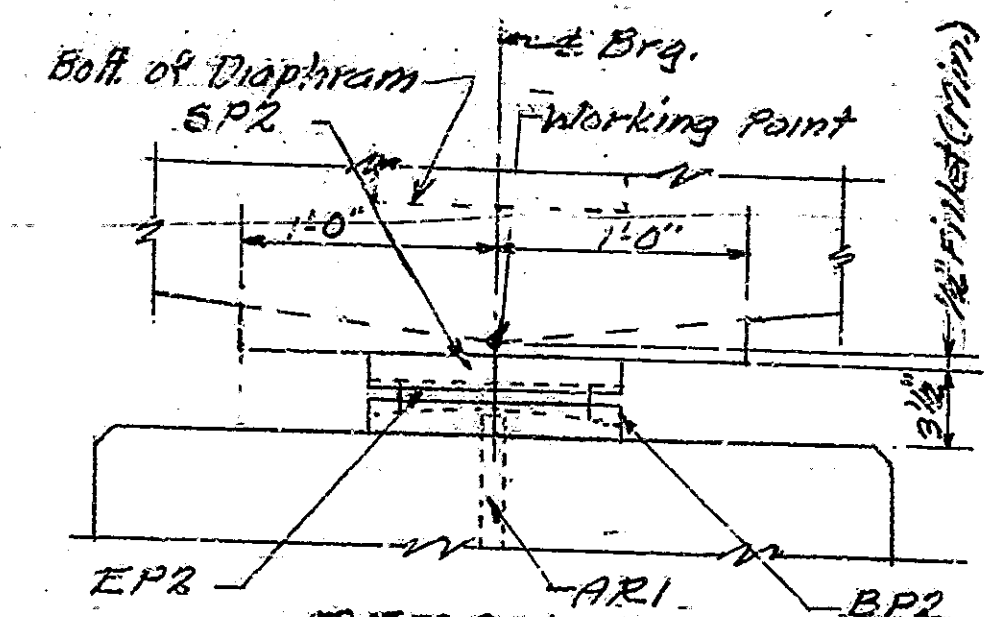
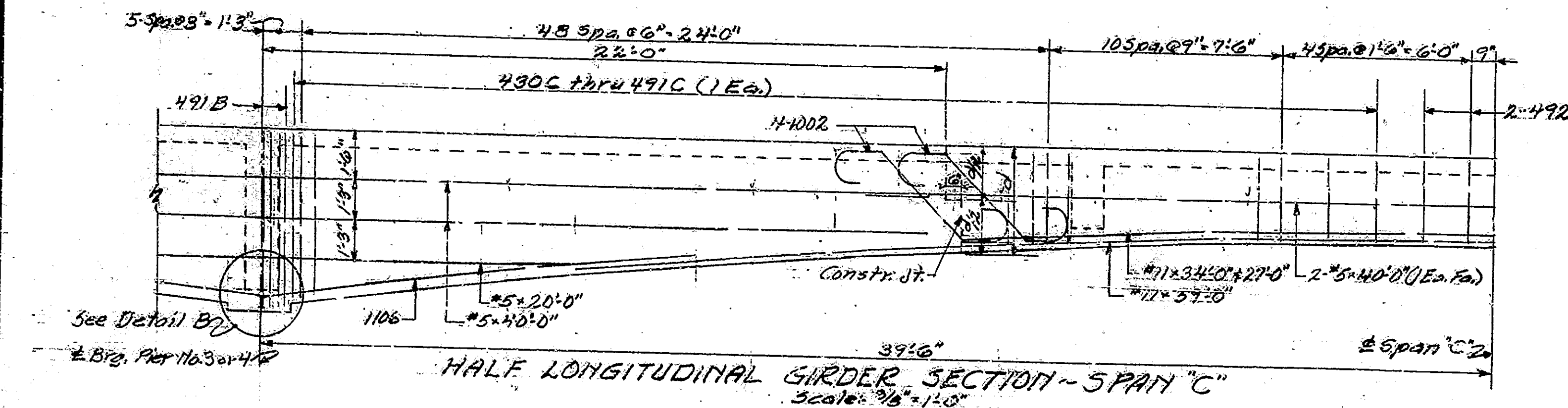
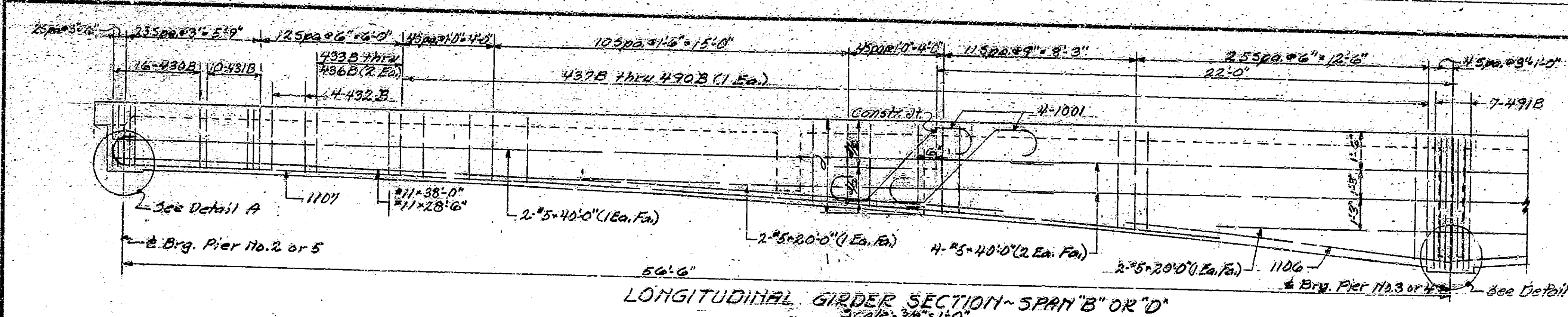
RECOMMENDED FOR APPROVAL: [Signature]  
 DRAWING: 27 OF 10  
 PROJECT: 1-20-2(38) 50  
 BRIDGE CONTRACT NO. 7000  
 BRIDGE FILE: 1-20-31-5118



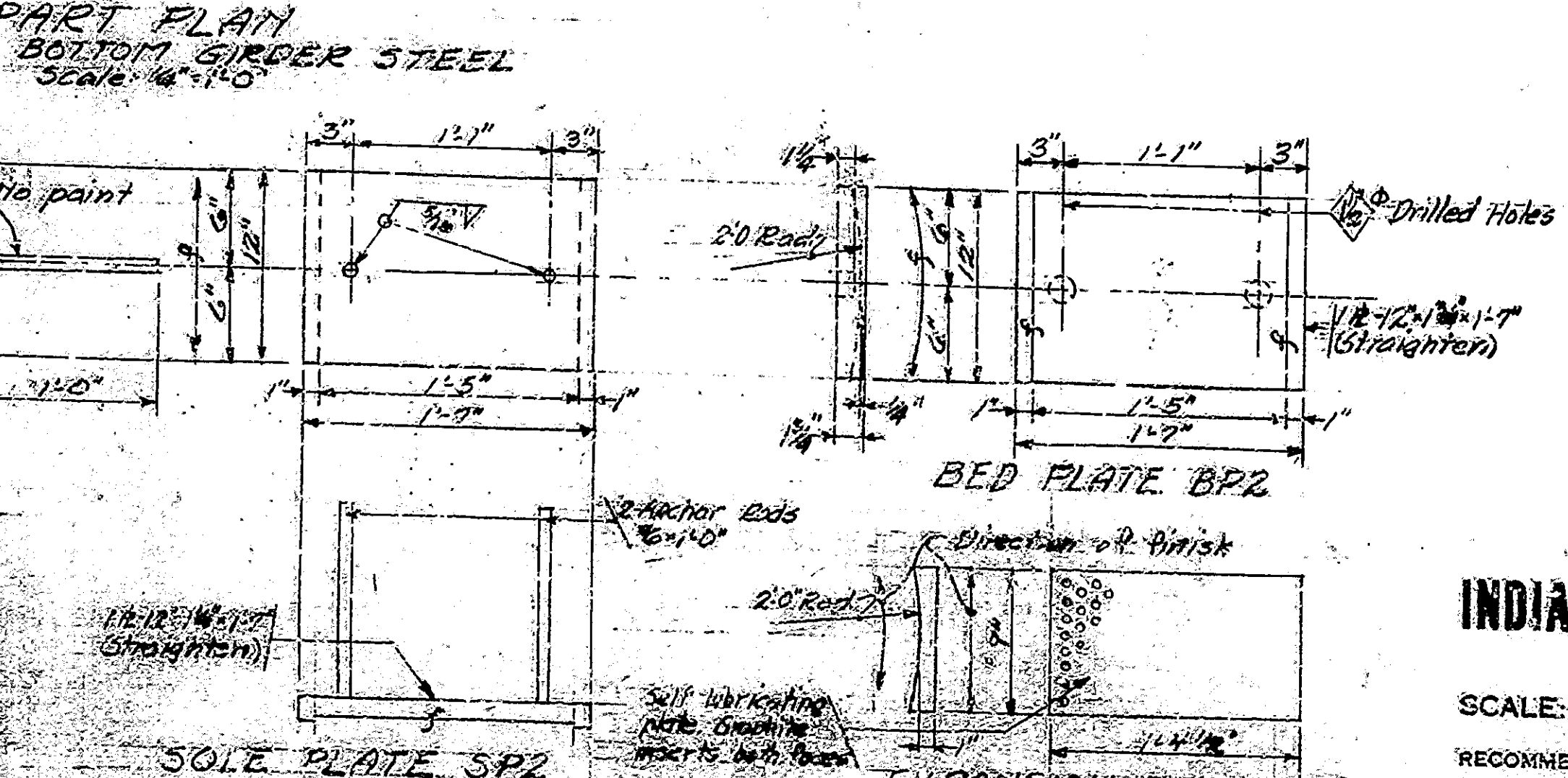
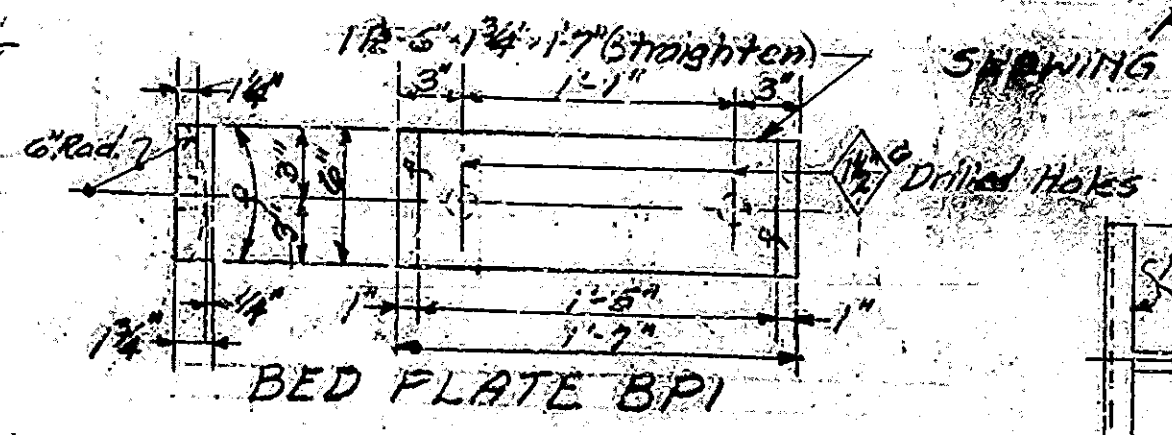
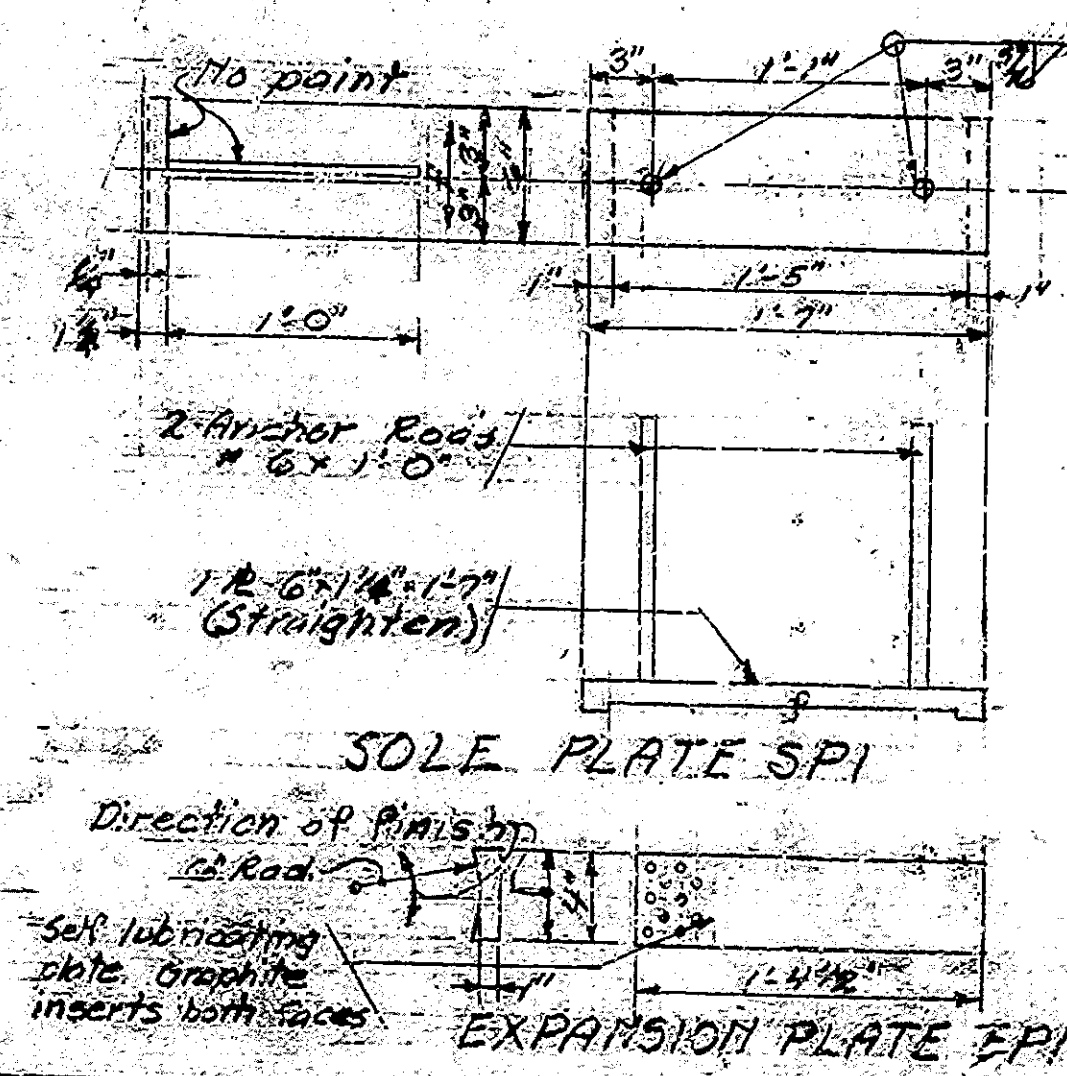
DESIGNED: J.E.M. CKD  
 DRAWN: R.C. [Signature] CKD  
 TRACED: [Signature] CKD



BRIDGES OVER 20' SPAN					
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	DIST. NO.	TOTAL SHEETS
4	IND.	100-2(38)50	1965	12	24



REQUIRED		
10	Sole Plates	SPI
10	Expansion Plates	EPI
10	Bed Plates	BPI
5	Sole Plates	SP2
5	Expansion Plates	EPR
5	Bed Plates	BR2
30	Anchor Rods	ARI



STRUCTURAL STEEL					
NO.	QTY	SECTION	LENGTH	LOCATION	WEIGHT
5	5	R21/4	17'	BR2 (Straighten)	566
10	10	R6 5/8	17'	BPI (Straighten)	1444
5	5	R12 1/4	17'	SP2 (Straighten)	1444
10	10	R6 5/8	17'	SPI (Straighten)	1444
30	30	1/2-6	7'-0"	ARI	300
30	30	1/2-6	7'-0"	Anchor Rods	300
				Total	2885

Bronze Plates - 500 lbs.

NOTES: See Br. Std. C1 for reinforcing bar notes  
See Dwg. C10 for Erection Plan & Control Point Elevations

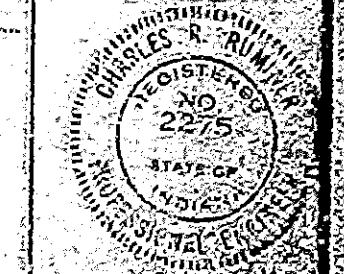
SPANS B, C, & D DETAILS  
INDIANA STATE HIGHWAY COMMISSION

SCALE: 1/2" = 1'-0" (UNLESS NOTED) SEPTEMBER 30, 1964

RECOMMENDED FOR APPROVAL: [Signature]

DESIGNED: J.D.M. CKD  
DRAWN: C.E.E. CKD  
TRACED: CKD

PROJECT: I-70-2(38)50  
BRIDGE CONTRACT NO. 7000  
BRIDGE FILE: I-70-51-317B

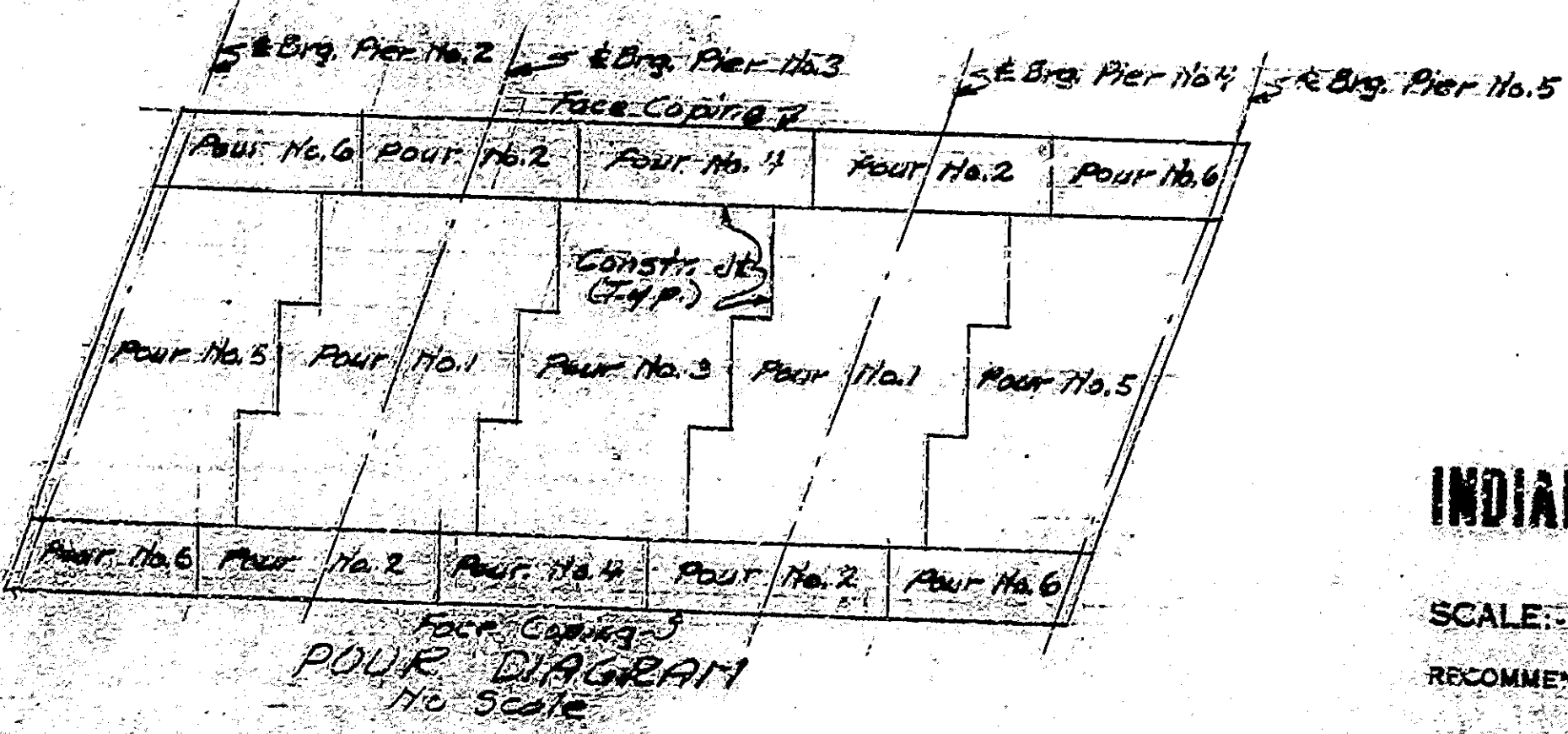
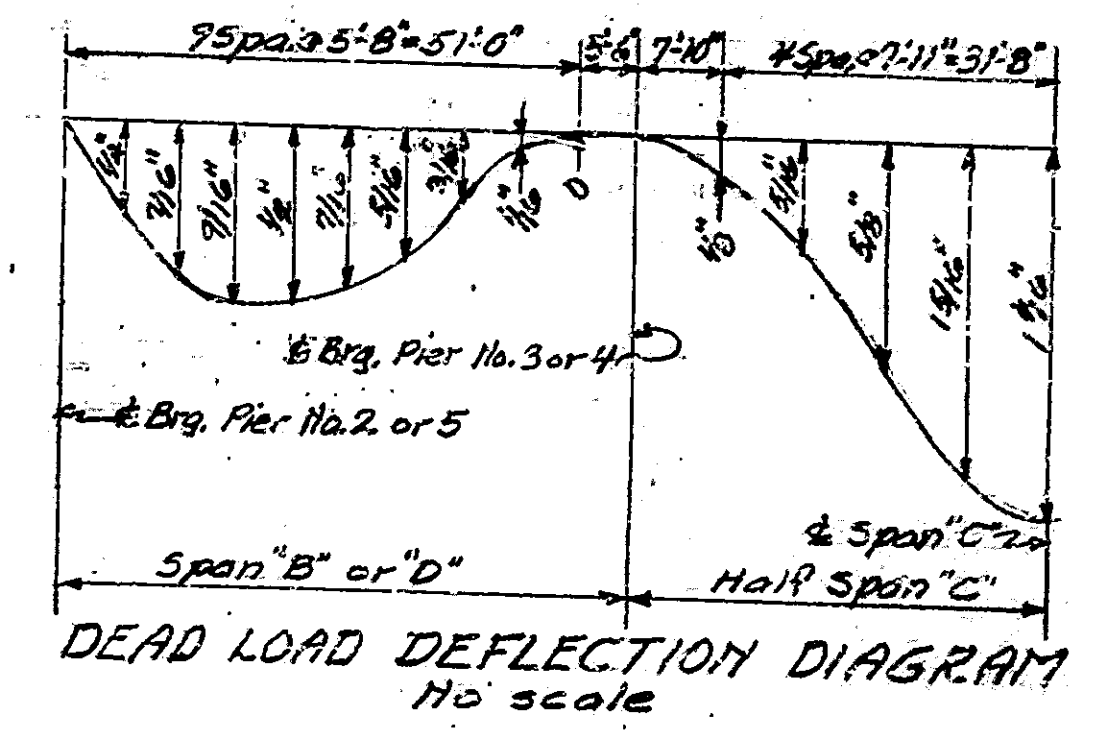
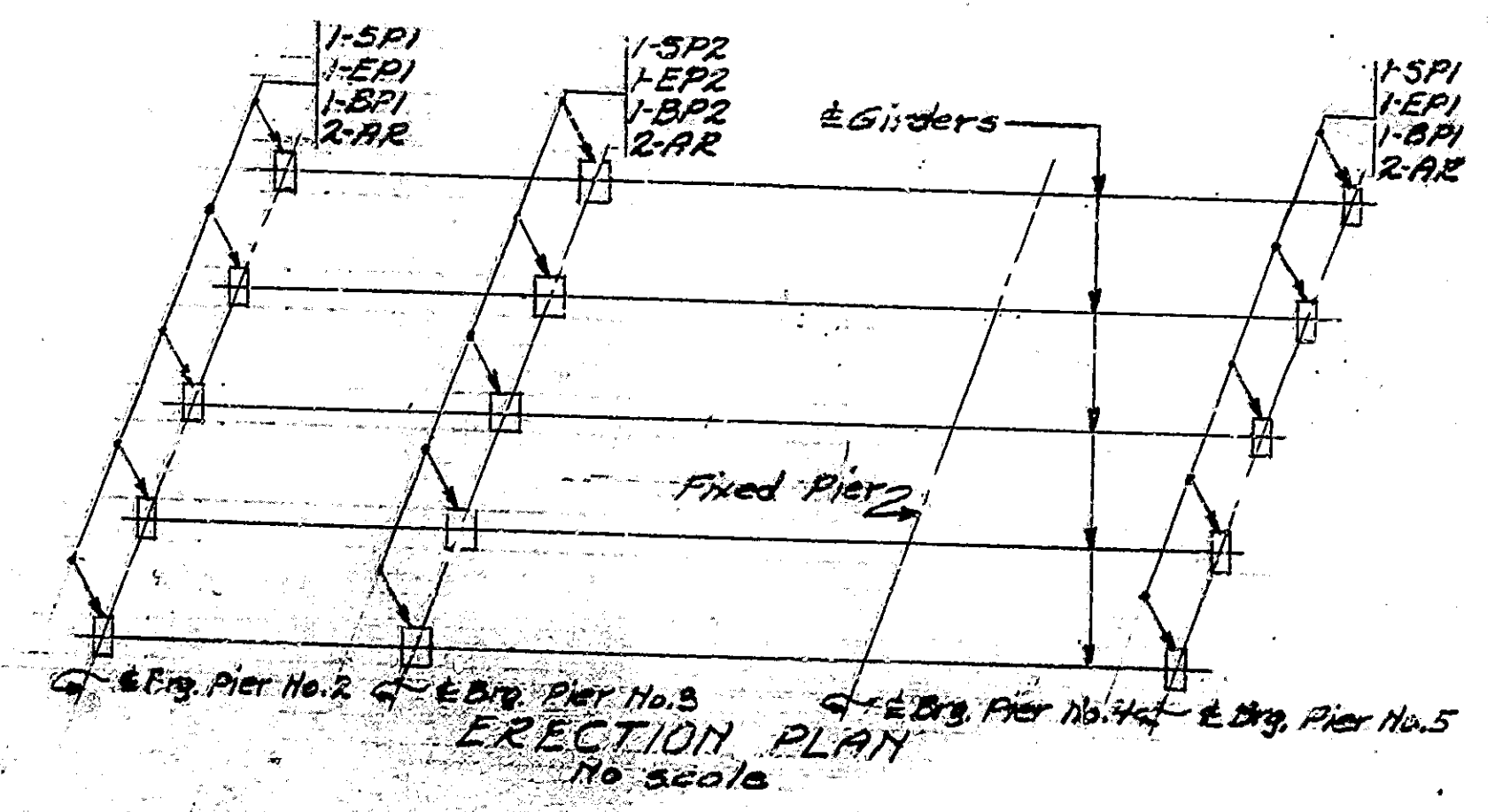
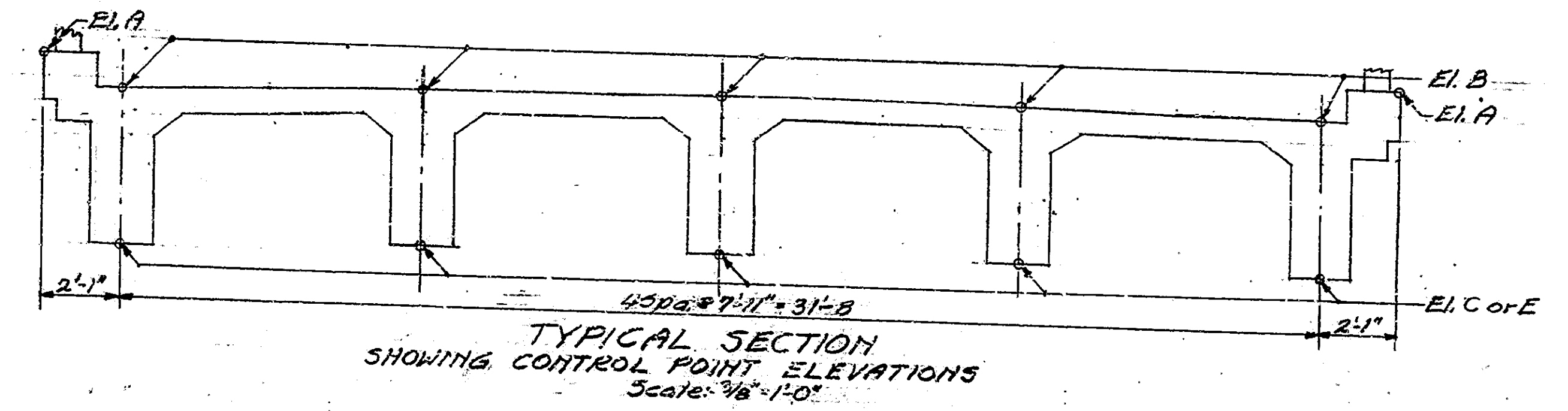
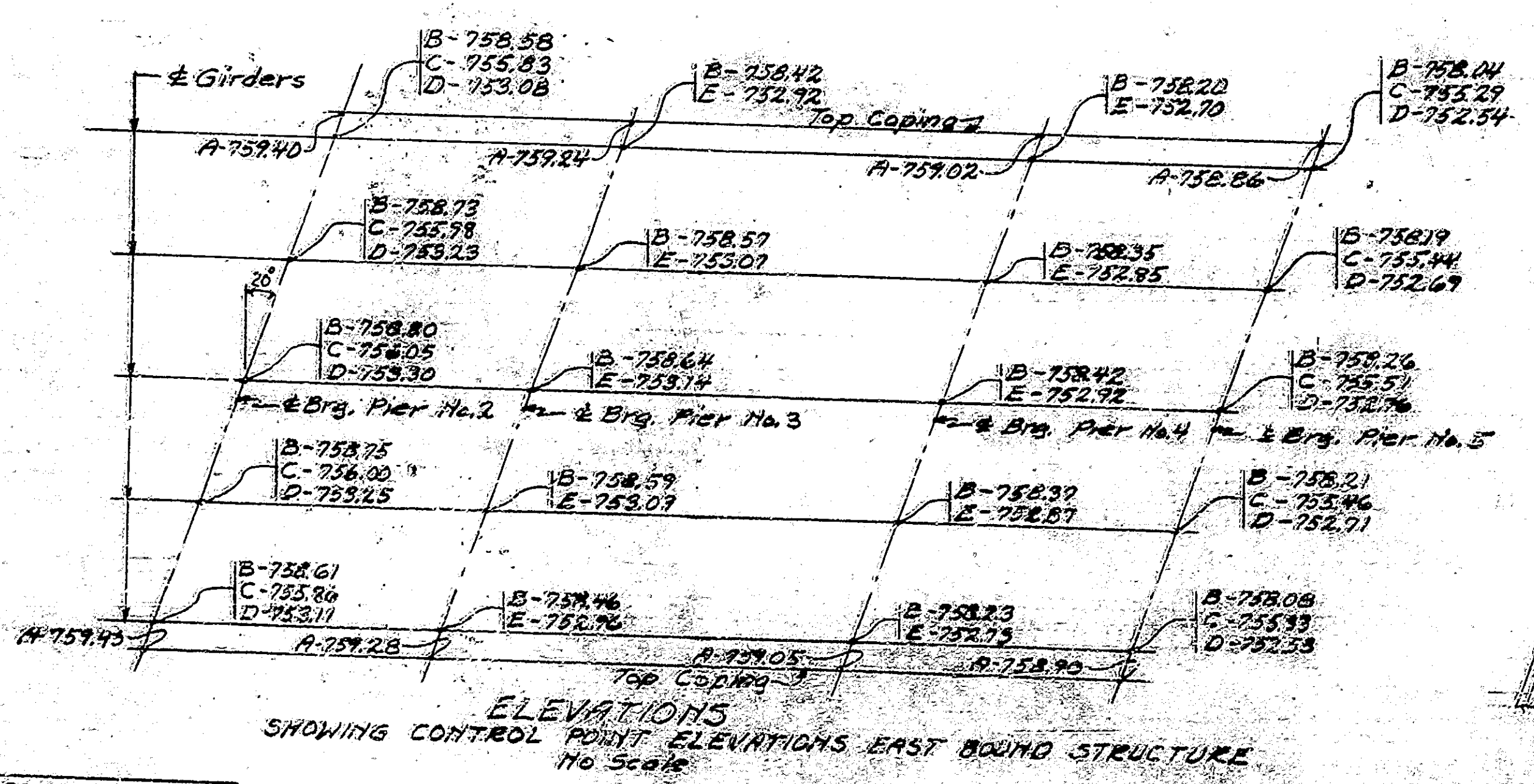
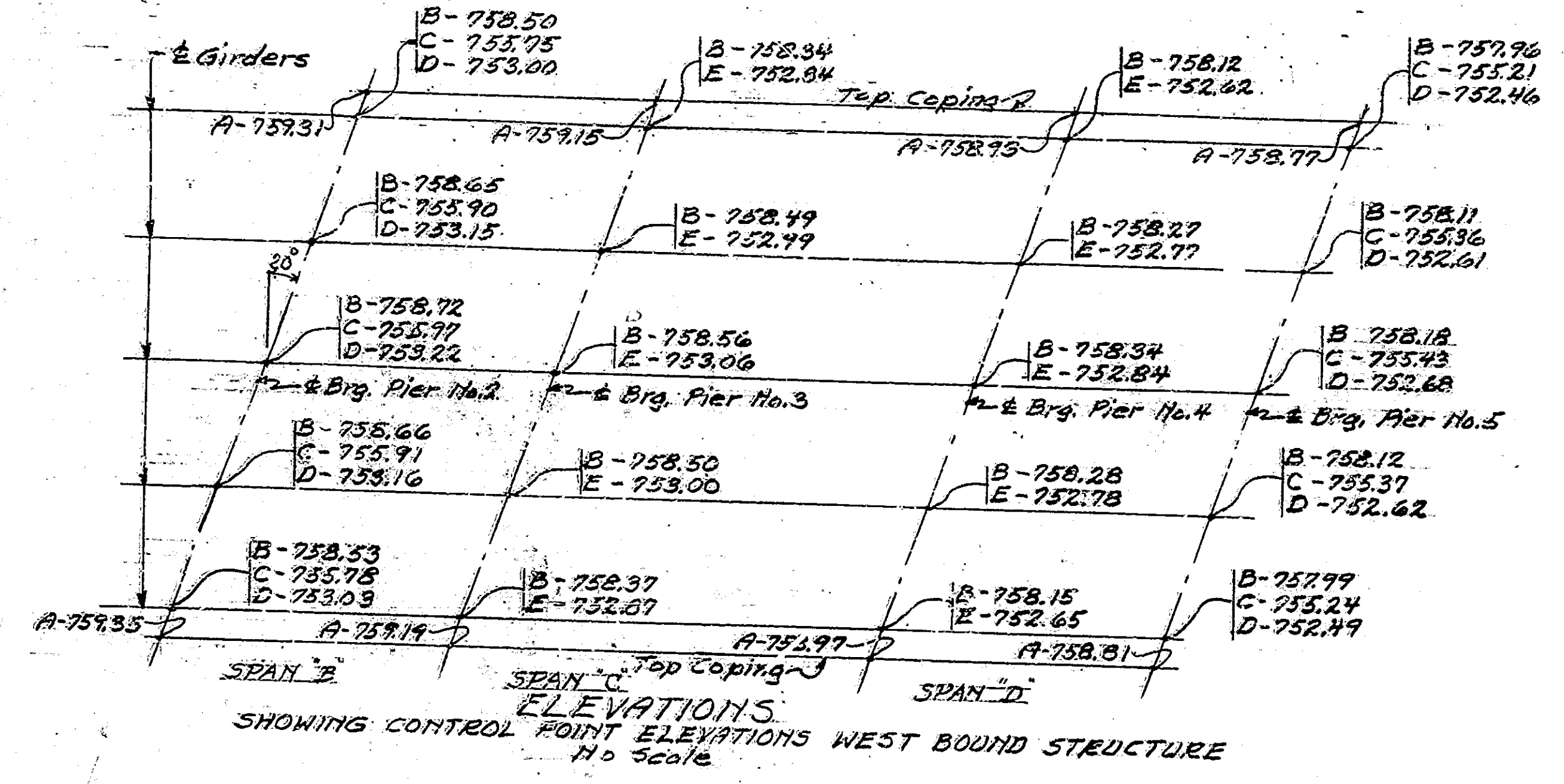
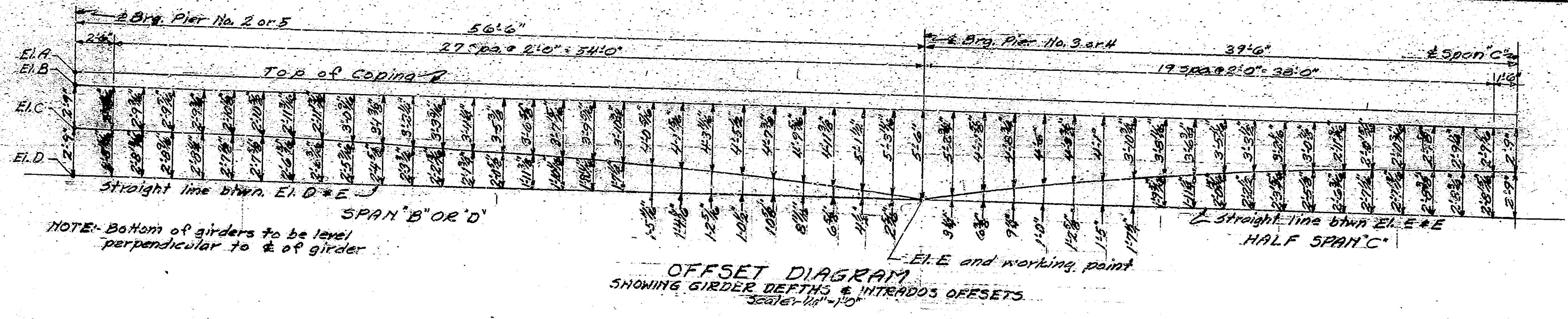


DESIGNED: J.D.M. CKD  
DRAWN: C.E.E. CKD  
TRACED: CKD

Note: Minimum Finish to be 125 micro-inches rms.



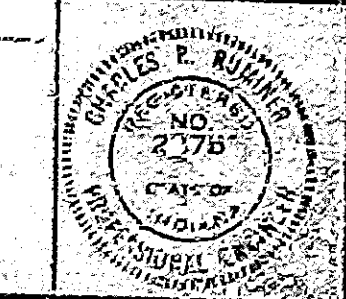
BRIDGES OVER 20' SPAN				
PUB. ROAD REG. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
4	IND.	100-2(39)-50	1965	24



SPANS B, C, & D DETAILS  
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED  
SEPTEMBER 30, 1964  
RECOMMENDED FOR APPROVAL: *C.R. Rimmer*

DRAWING: C OF 10  
PROJECT: I-70-2(39)-50  
BRIDGE CONTRACT NO. 7000  
BRIDGE FILE: I-70-51-517A



DESIGNED: J.D.M., CWD  
DRAWN: P.G. S. WICKERT, A-10-64  
TRACED: CWD







