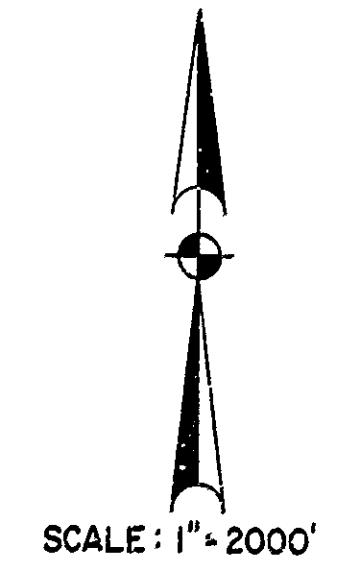


INDEX						
PROJECT	STRUCTURE	TYPE	SPAN	OVER	STATION	CONTRACT NO.
F-199-6(3)	3-16-6770	CONT. COMP. PRESTR. CONC. I-BEAM	3 SPANS AT 58'-3", 59'-0", 58'-3" 30° SKEW LEFT	CLIFTY CREEK	1 + 6 STR.	

SHEET NO.	SHEET DESIGNATION	SUBJECT	B.P.S. APPROVAL
1	ONE SHEET	INDEX & TITLE SHEET	
2	ONE SHEET	TYPICAL CROSS SECTIONS & DETAILS	
3	ONE SHEET	EROSION CONTROL	
4-5	TWO SHEETS	PLAN & PROFILE SHEET	
6/6A	TWO SHEETS	SOIL BORINGS	
7	C1	LAYOUT	
8	C2	GENERAL LAYOUT	
9	C3	BENT NO.1 DETAILS & BILL OF MATERIALS	
10	C4	PIER NO.2 DETAILS & BILL OF MATERIALS	
11	C5	PIER NO.3 DETAILS & BILL OF MATERIALS	
12	C6	BENT NO.4 DETAILS & BILL OF MATERIALS	
13	C7	SUPERSTRUCTURE DETAILS & BILL OF MATERIALS	
14	C8	SUPERSTRUCTURE DETAILS	
15	C9	BEAM DETAILS	
16	ONE SHEET	BRIDGE SUMMARY	
17	ONE SHEET	BRIDGE ESTIMATE OF QUANTITIES	
43-53	11 SHEETS	CROSS SECTIONS	
12A	C6A	BENT NO.4 DETAILS & BILL OF MATERIALS	

NOTE:—WHEREVER "INDIANA STATE HIGHWAY COMMISSION" APPEARS IN THESE PLANS, IT SHALL BE INTERPRETED AS "INDIANA DEPARTMENT OF HIGHWAYS" EXCEPT THE 1978 INDIANA STATE HIGHWAY COMMISSION SPECIFICATIONS SHALL BE USED.



STATE OF INDIANA
INDIANA STATE HIGHWAY COMMISSION

BRIDGE PLANS

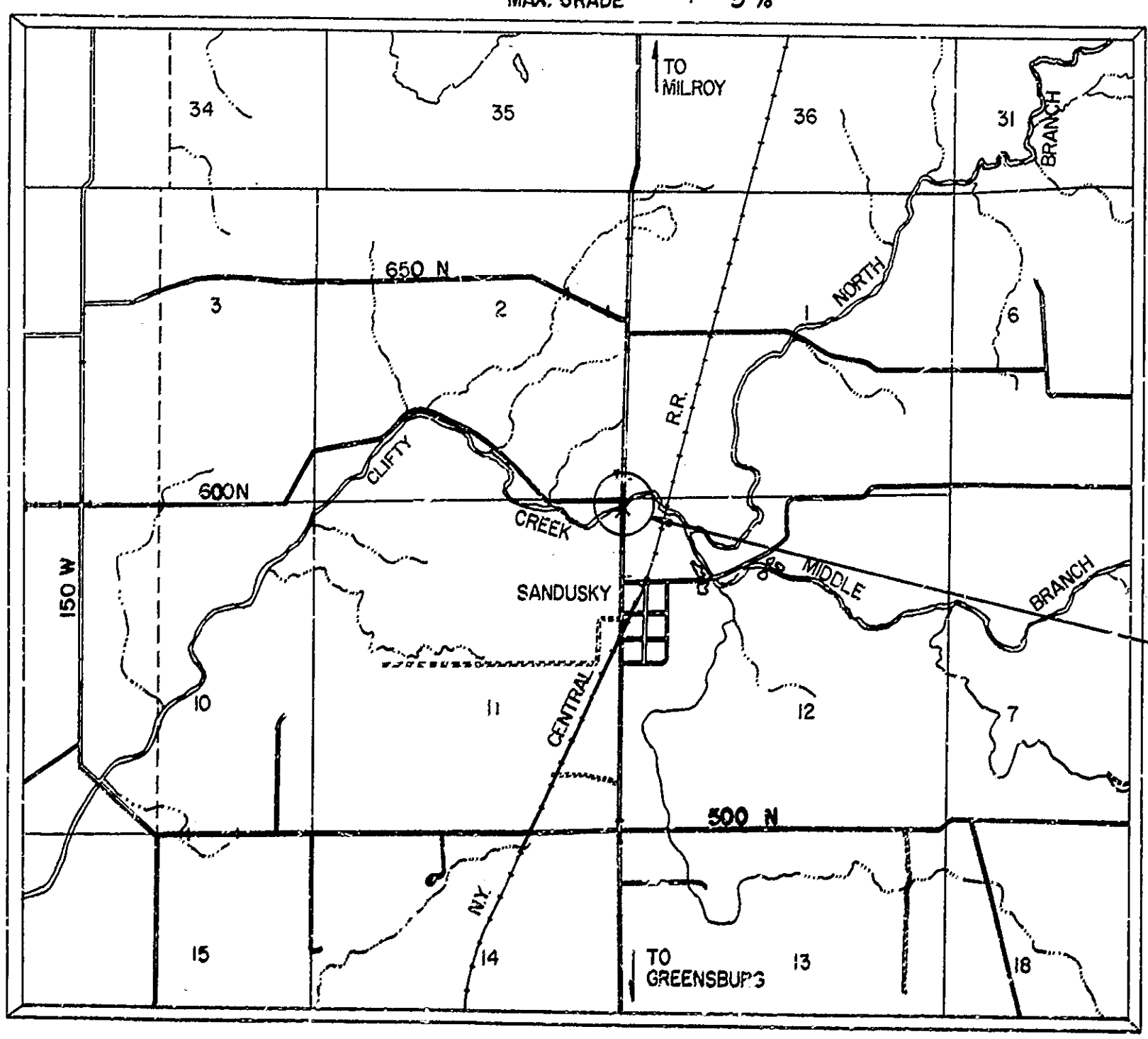
FOR SPANS OVER 20 FEET

ON
STATE ROAD NO. 3 SECTION

PROJECT NO. ST-199-6(2) () P.E.
F-199-6(3) () R/W
F-199-6(3) () CONST.

DESCRIPTION:
BEGINNING ON THE WEST LINE OF SEC. 12, T11N, R9E, 876.00 FEET SOUTH OF THE NORTHWEST CORNER OF SAID SECTION; THENCE NORTH 1700.00 FEET ALONG THE WEST LINE OF SECTION 12 AND 1 TO THE END OF THE PROJECT, WHICH POINT IS 814.00 FEET NORTH OF THE SOUTH-WEST CORNER OF SECTION 1, T11N, R9E. ALL IN DECATUR COUNTY.

BRIDGE LENGTH: .032 MI.
ROADWAY LENGTH: .322 MI.
TOTAL: .340 MI.
MAX. GRADE: 5%



DECATUR COUNTY

INDIANA STATE HIGHWAY COMMISSION
STANDARD SPECIFICATIONS DATED 1978
TO BE USED WITH THESE PLANS.

REVISIONS		
DATE	DESCRIPTION	SHEET NO.
8-20-81	SHEET 4, Plan & Profile - R/W Revision	
7-20-82	1, 2, 3, 4, 10, 11, 12, 15, 16, 17, 21, 22, 25 deleted, 19, 27A, 28A, 30A, 36A, 36B, 37A & 37B Added	
4-10-85	1, 7, 8, 11, 12, 16 & 17, 12A added.	

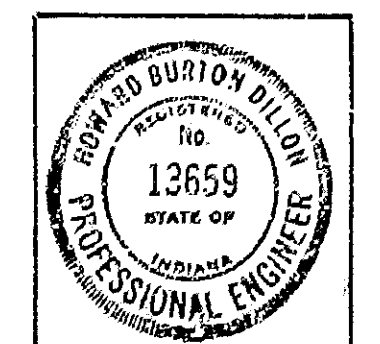
BRIDGES OVER 20' SPAN					
PUBLIC ROAD NUMBER	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-199-6 (3)	1961	1	53

INDEX CONTINUED STANDARD DRAWINGS				
SHEET NO.	SHEET DESIGNATION	SUBJECT	B.P.S. APPROVAL	ADOPTED REVISION
18	BRIDGE STD. C1	STANDARD MISCELLANEOUS DETAILS	R-21-B1	R-12-7-B1
	BRIDGE STD. D	STANDARD MISCELLANEOUS DETAILS	R-18-71	R-11-71
	BRIDGE STD. F	CASTING DETAILS ROADWAY DRAINS		
19A	BRIDGE STD. G	ROADWAY DRAIN OUTLET DETAILS		
	BRIDGE STD. J	STANDARD MISCELLANEOUS DETAILS	12-21-81	R-12-7-81
	BRIDGE STD. M	MISCELLANEOUS APPROACH DETAILS		
	BRIDGE STD. N	R.C. BRIDGE APPROACH TURNOUT DETAILS-12'-6" SHOULDERS		
	BRIDGE STD. W	SUSPENSION AND DRAWING DETAILS		
	BRIDGE STD. Y	PRESTRESSED CONCRETE TYPE III BEAMS	4-16-82	A-1-16-82
	BRIDGE STD. P8	PRESTRESSED COMPOSITE BOX BEAMS WIDE		
	BRIDGE STD. P810	TOLERANCES FOR FABRICATION OF PRESTRESSED BEAMS	8-14-85	A-11-9-85
	BRIDGE STD. P811	ELASTOMERIC BEARING PAD DETAILS	8-21-74	R-8-1-72
	BRIDGE STD. BR1	ALUMINUM RAILING-TYPE 5 OR 5A	8-10-80	R-11-3-80
	BRIDGE STD. BR2	ALUMINUM RAILING DETAILS	5-10-79	R-12-1-78
	BRIDGE STD. BR3	STEEL RAILING-TYPE C OR C1	7-16-80	R-11-3-80
	BRIDGE STD. BR4	BRIDGE LIGHTING DETAILS	5-10-79	R-12-1-78
	BRIDGE STD. BR4	STEEL BRIDGE RAILING DETAILS		
	BRIDGE STD. S1	TYPICAL DETAILS FOR PLACING GRADE "B" SPECIAL BORROW	1-17-72	R-2-2-71
	BRIDGE STD. S2	TYPICAL DETAILS FOR PLACING GRADE "B" SPECIAL BORROW		
	BRIDGE STD. T SHEET A	STANDARD TEMPORARY BRIDGE		
	BRIDGE STD. T SHEET B	STANDARD TEMPORARY BRIDGE		
	ROAD STD. SHEET A	STANDARD PAVEMENT JOINTS		
27A	ROAD STD. SHEET MB	MISCELLANEOUS STANDARDS	12-8-80	R-3-1-82
	ROAD STD. SHEET MC	MISCELLANEOUS STANDARDS		R-10-80
	ROAD STD. SHEET MD1	MISCELLANEOUS STANDARDS		
28A	ROAD STD. SHEET MD2	MISCELLANEOUS STANDARDS	6-19-74	R-1-2-74
	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS		
29	ROAD STD. SHEET ME2	MISCELLANEOUS STANDARDS	11-2-73	H-10-2-73
	ROAD STD. SHEET MF	MISCELLANEOUS STRUCTURE STANDARDS		
	ROAD STD. SHEET MG	MISCELLANEOUS STRUCTURE STANDARDS		
	ROAD STD. SHEET MH	MISCELLANEOUS STANDARDS		
30	ROAD STD. SHEET MI	MISCELLANEOUS STANDARDS	5-15-81	R-2-2-81
30A	ROAD STD. SHEET MJ	MISCELLANEOUS STANDARDS	5-16-81	R-2-2-81
	ROAD STD. SHEET MK	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET ML	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MN	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MP	MISCELLANEOUS STANDARDS		
31	ROAD STD. SHEET MQ	MISCELLANEOUS STANDARDS		R-3-2-82
	ROAD STD. SHEET MR	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MS	MISCELLANEOUS STANDARDS CENTER DITCH INLETS		
	ROAD STD. SHEET ST	MISCELLANEOUS STANDARDS CENTER DITCH INLETS		
	ROAD STD. SHEET MT	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	STANDARD STRUCTURE CONNECTIONS FOR EXTENSION		
	ROAD STD.	STANDARD REINF. CONC. BOX CULVERTS		
	ROAD STD.	STANDARD REINF. CONC. BOX CULVERTS-SK. END & WING DETAILS		
31A	ROAD STD. SHEET GR2	ROAD RAIL CLASS B	8-21-82	R-2-2-82
31B	ROAD STD. SHEET GR3	ROAD RAIL CLASS B	8-21-82	R-2-2-82
32	ROAD STD. SHEET GR4	ROAD RAIL CLASS A OR SST	8-21-82	R-2-2-82
33	ROAD STD. SHEET GR5	ALUMINUM GUARD RAIL DETAILS	8-21-82	R-2-2-82
34	ROAD STD. SHEET GR6	STEEL GUARD RAIL DETAILS	8-21-82	R-2-2-82
35	ROAD STD. SHEET GR7	ROAD RAIL PREPARATION CABLE TERMINAL	8-21-82	R-2-2-82
36	ROAD STD. SHEET GR8	TEMPORARY CONCRETE BARRIER	8-21-82	R-2-2-82
36A	ROAD STD. SHEET GR9	TEMPORARY CONCRETE BARRIER	8-21-82	R-2-2-82
36B	ROAD STD. SHEET GR10	TEMPORARY CONCRETE BARRIER	8-21-82	R-2-2-82
37	ROAD STD. SHEET 1 DETOURS	STANDARD DETOUR SIGNS	8-21-82	R-2-2-82
38	ROAD STD. SHEET 2 DETOURS	STANDARD DETOUR SIGNS	8-21-82	R-2-2-82
39	ROAD STD. SHEET 2A DETOURS	STANDARD DETOUR SIGNS	8-21-82	R-2-2-82
40	ROAD STD. SHEET 3 DETOURS	STANDARD DETOUR SIGNS	8-21-82	R-2-2-82
41	ROAD STD. SHEET 3A DETOURS	STANDARD DETOUR SIGNS	8-21-82	R-2-2-82
42	ROAD STD. SHEET 3 DETOURS	TRAFFIC SIGN DETAILS	8-21-82	R-2-2-82

TRAFFIC DATA		
A.D.T. (1978)	302 DHV	3020 V.P.D.
A.D.T. (1981 PROJECTED)	381 DHV	3810 V.P.D.
A.D.T. (2001 PROJECTED)	557 DHV	5570 V.P.D.
TRUCKS	6 %	8 %
DESIGN SPEED		60 M.P.H.
ACCESS CONTROL		NONE

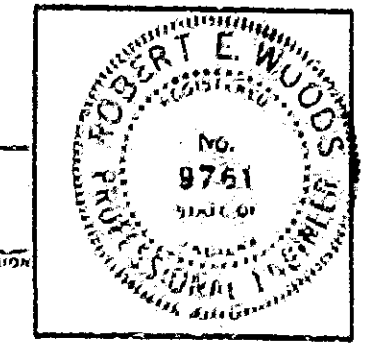
PROJECT LOCATION
BEGIN PROJECT STA.7+00
END PROJECT STA.24+00
PRESTRESSED CONTINUOUS CONCRETE
I-BEAM BRIDGE, 3 SPANS AT 58'-3", 59'-0", 58'-3"
OVER CLIFTY CREEK, 30° SKEW LT.

THESE PLANS PREPARED
BY
MW INC.
ARCHITECTS - ENGINEERS
INDIANAPOLIS, INDIANA



CERTIFIED:
Howard B. Dillow
MW INC.

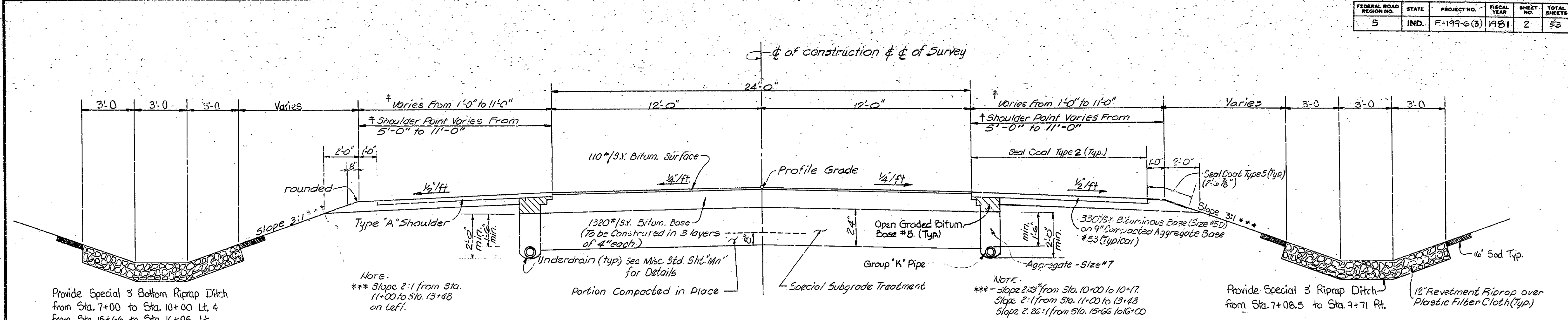
APPROVED: *B-S-B1*
Frank K. Halloran
CHIEF HIGHWAY ENGINEER—INDIANA STATE HIGHWAY COMMISSION



RECOMMENDED FOR APPROVAL *B-S-1*
Robert E. Woods
CHIEF BRIDGE ENGINEER—INDIANA STATE HIGHWAY COMMISSION

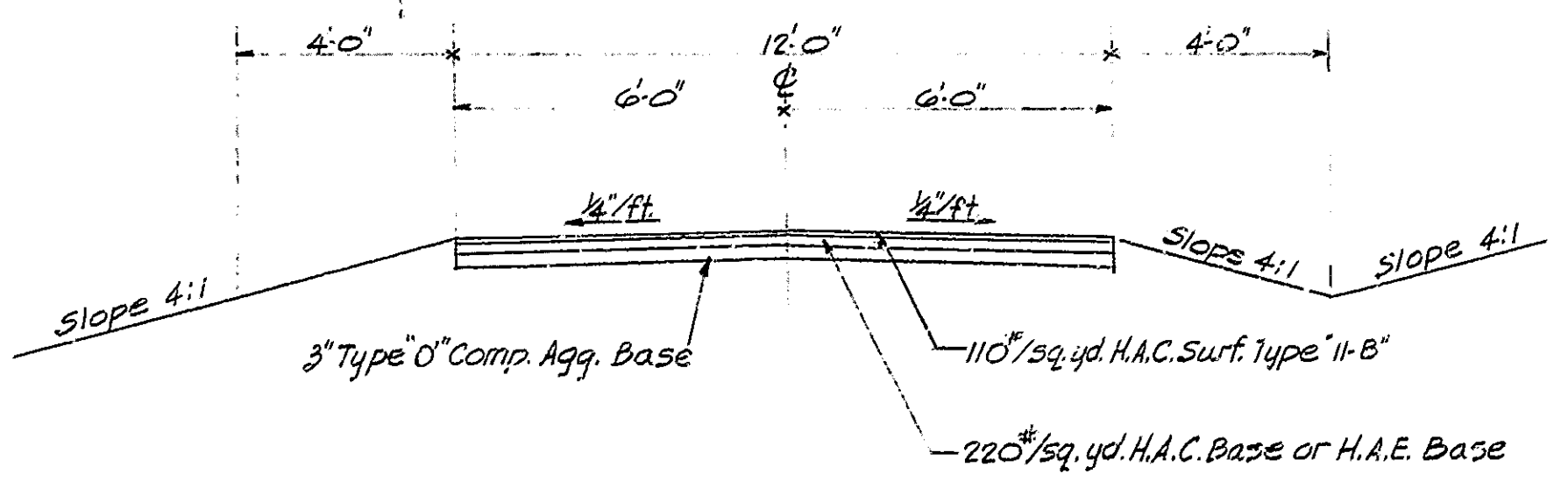
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
APPROVED:
DIVISION ADMINISTRATOR DATE
BRIDGE FILE: 3-16-6770

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-197-6(3)	1981	2	23



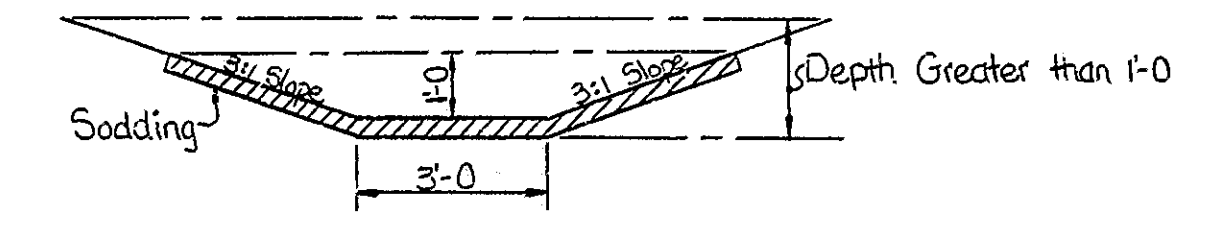
LINE "A" - STATE ROAD NO 3

Typical Cut Section - From Sta. 18+79.05 to Sta. 24+00 & From Sta. 17+63 to Sta. 21+00.
Typical Fill Section - From Sta. 7+00 to Sta. 13+42.09 & From Sta. 15+67.41 to Sta. 18+79.05



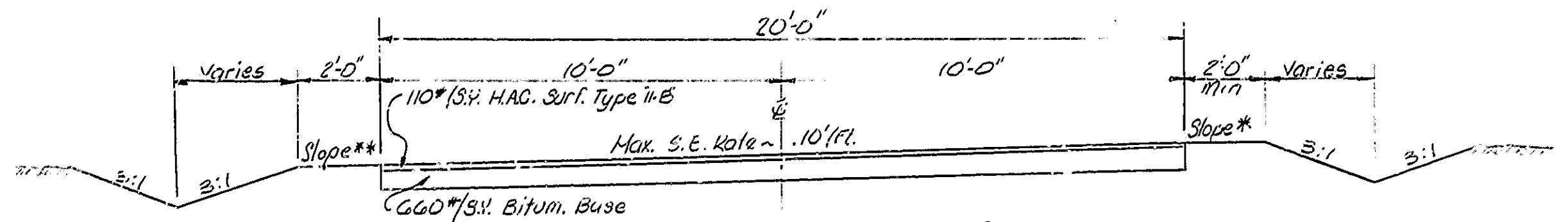
TYPICAL CLASS II DRIVE
☉ at Sta. 6+91 & Sta. 9+86 on Line "A"

Note: Unless otherwise specified the Contractor shall have the option of using either Hot Asphaltic Concrete (H.A.C.) or Hot Asphaltic Emulsified (H.A.E.) on all bituminous items except surface. Seed Mixture C.V. shall be placed on all Slopes 3:1 or steeper unless Sodded



SPECIAL SODDED 3' BOTTOM DITCH

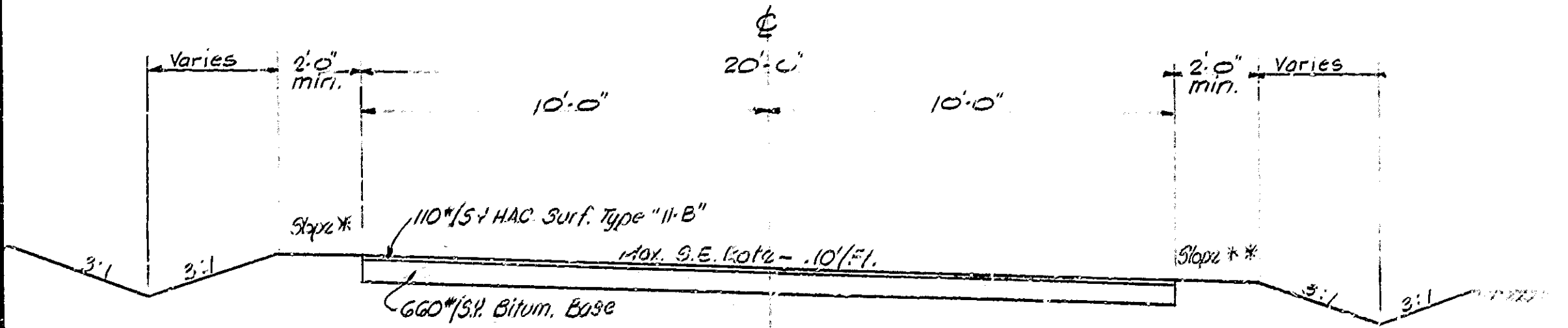
Line "A" Sta. 18+05 to 21+00 Lt.
Line "A" Sta. 19+00 to 22+00 Rt.



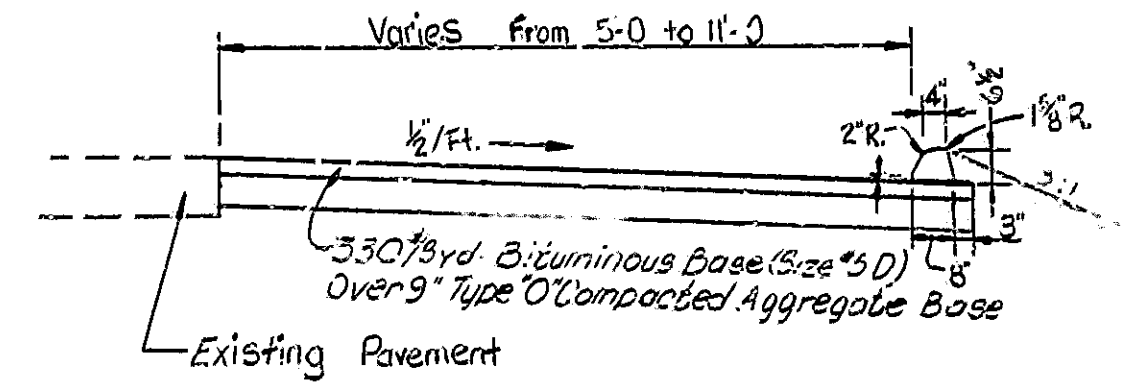
SUPERELEVATED CURVE - 25° LEFT
P.C. Sta. 5+32.46 to P.T. Sta. 7+00.33

LINE "P.R.S-1-A" - S.R. NO 3
PUBLIC ROAD TYPE "A"

Sta. 4+00.00 (Normal Tangent Sec.) to Sta. 5+99.02 - S.E. ~ .10'/ft.
Sta. 5+99.62 to Sta. 6+82.62 - S.E. ~ .10'/ft.
Sta. 6+82.62 to Sta. 7+37.31 - S.E. Varies from .10'/ft to 0'/ft



SUPERELEVATED CURVE - 25° RIGHT
P.C. Sta. 7+73.93 to P.T. Sta. 9+53.93



STANDARD BITUMINOUS CURB

Sta. 4+80 to Sta. 8+50 Rt.

LINE "P.R.S-1-A" - S.R. NO 3
PUBLIC ROAD TYPE "A"

Sta. 7+37.31 to Sta. 7+72.00 - S.E. ~ 0'/ft. to .10'/ft.
Sta. 7+72.00 to Sta. 9+02.00 - S.E. ~ .10'/ft.
Sta. 9+02.00 to Sta. 9+86.00 - S.E. ~ .2659'/ft.

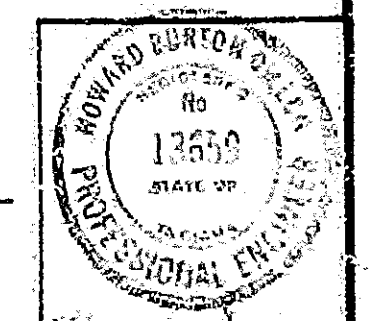
NOTE: Type "A" R.S.D. Req'd at these locations "P.R.S-1-A"
Sta. 6+00 to 6+83 Rt.
Sta. 7+17 to 7+50 Rt.
Sta. 6+00 to 9+50 Lt.

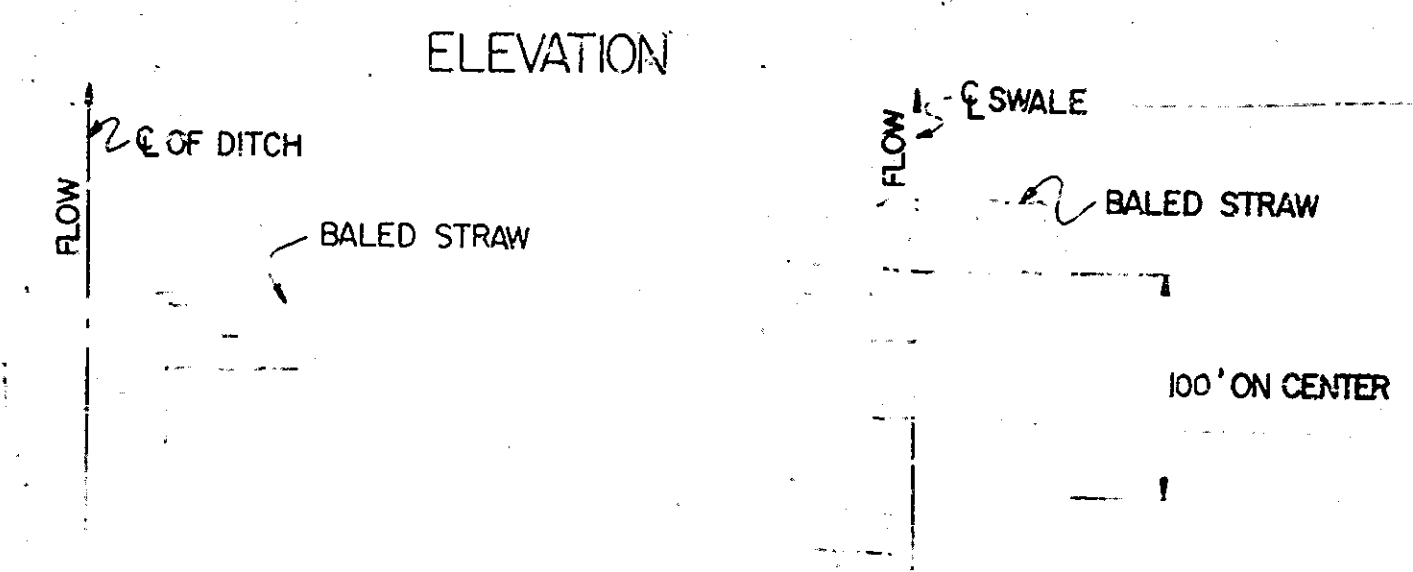
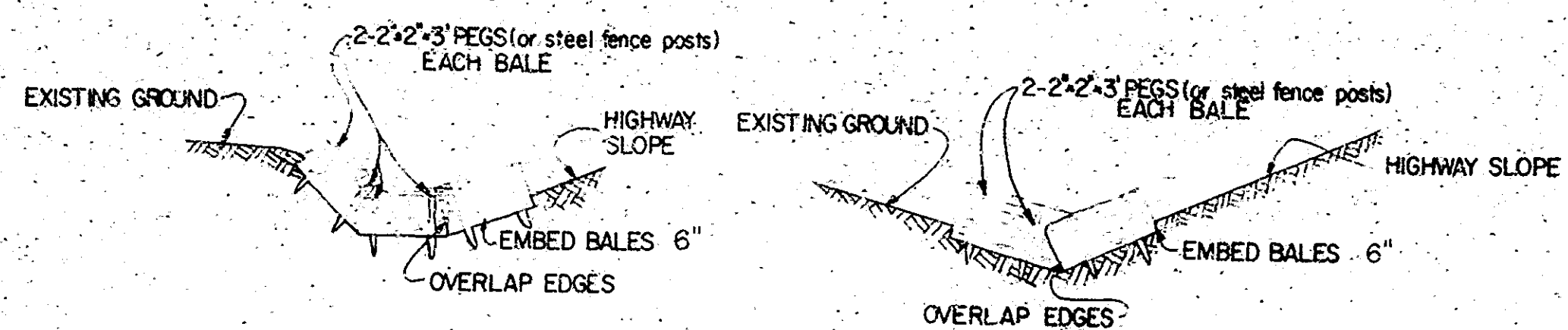
Note: * Slope 1/2" ft. on High Side
** Slope @ S.E. Rate on low Side

TYPICAL CROSS SECTIONS

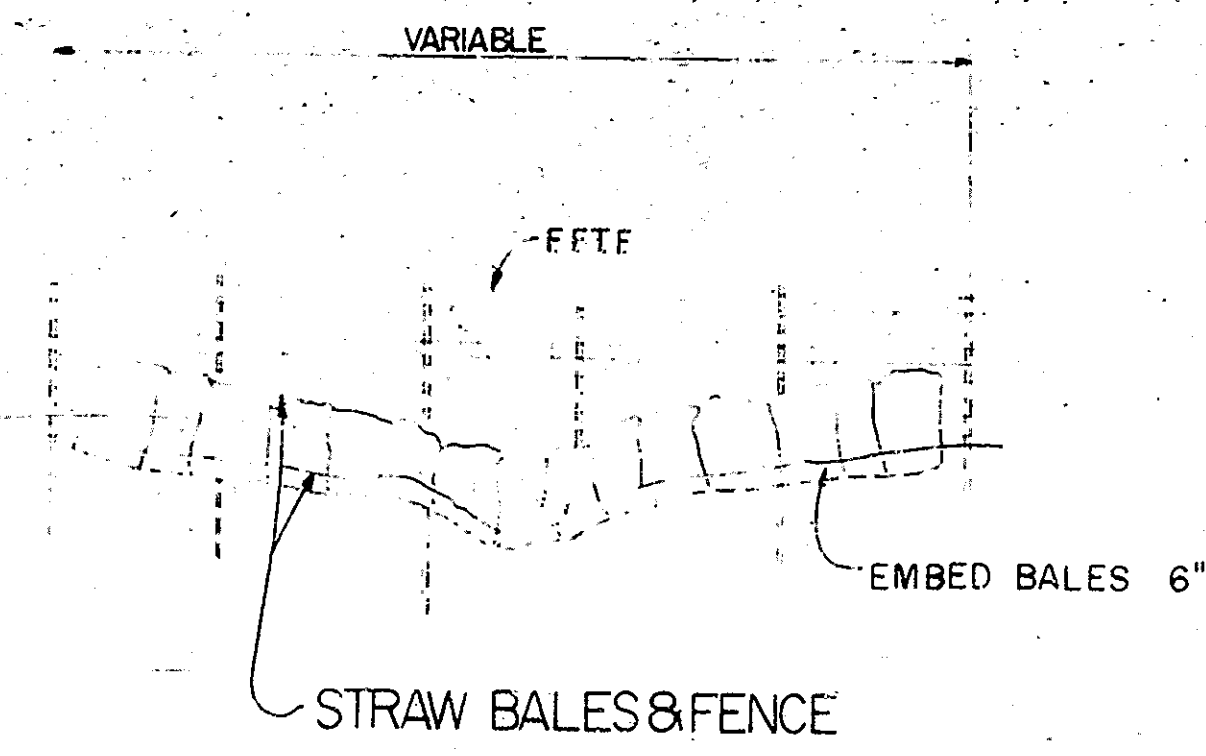
SCALE: 1/2" = 1'-0"

RECOMMENDED FOR APPROVAL

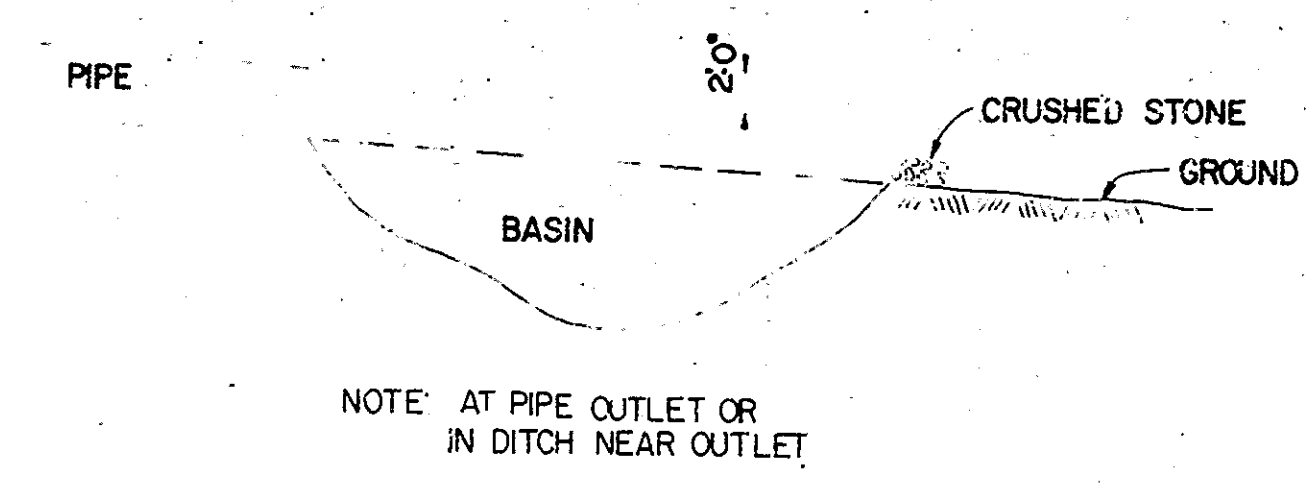




PLAN
METHOD A

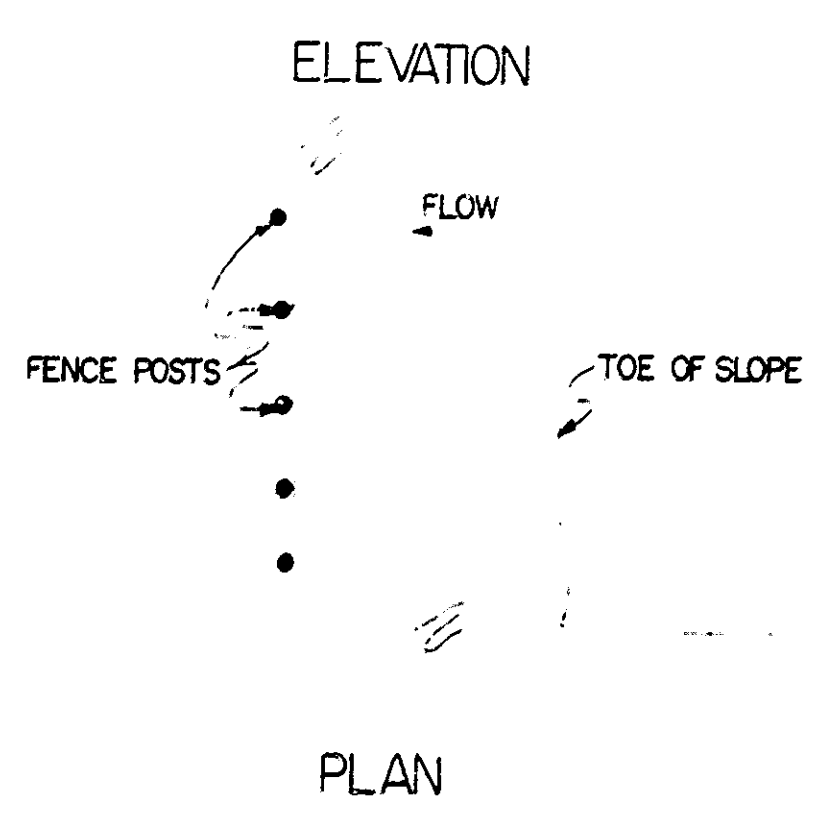
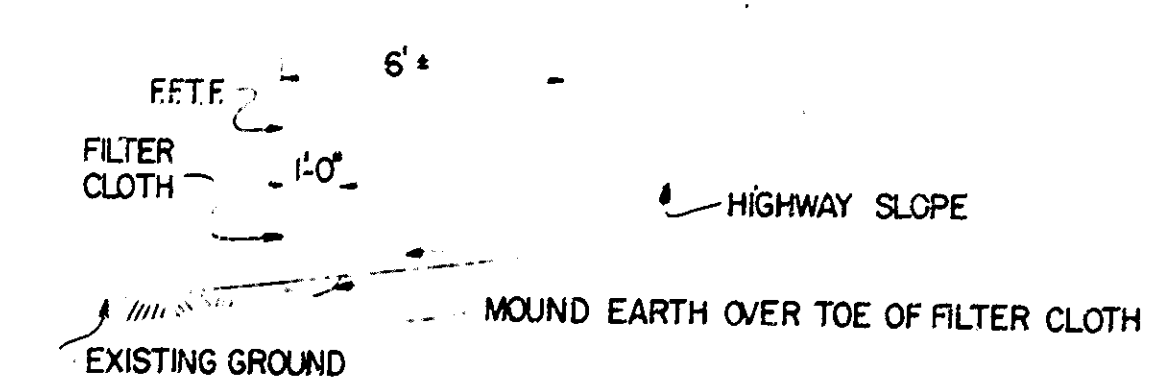


METHOD B

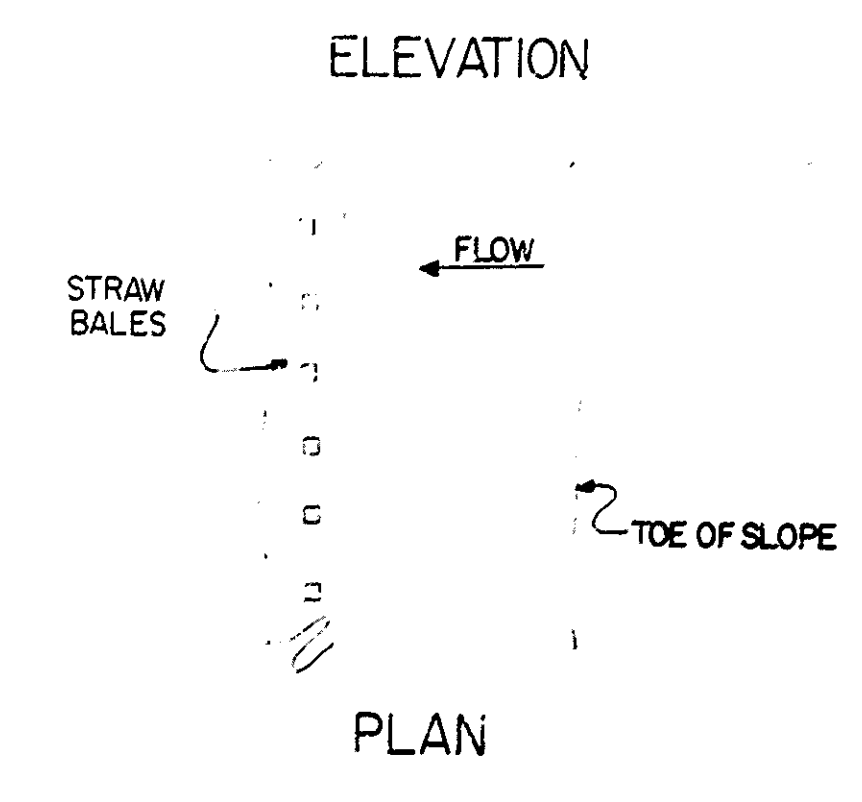
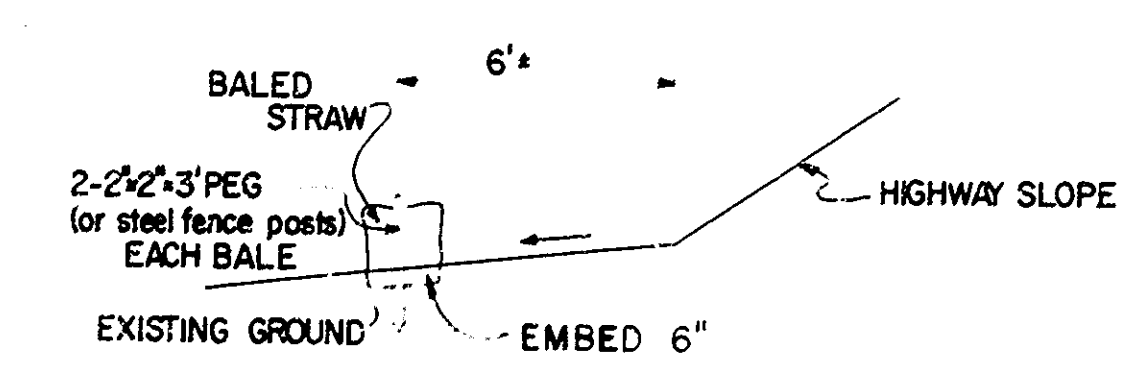


METHOD D

TABLE OF QUANTITIES						
LOCATIONS	SIZE	METHOD				
		A	B	C	D	E
STATION TO STATION	FEET	BALES	LFT	LFT.	EACH	BALES
7+00 to 13+95 Line A, Lt.	3.5	8				
10+25 to 14+71 Line A, Rt.	3.5	6				
18+05 to 21+00 Line A, Lt.	3.5	4				
16+50 to 22+00 Line A, Rt.	3.5	7				
8+50 to 9+58 Line A, Rt.	3.5	2				
14+85 to 16+95 Line A, Lt.	3.5	3				
Total	3.5	30				



PLAN
METHOD C



PLAN
METHOD E

- PAY ITEMS
- METHOD A "STRAW BALES IN PLACE" EACH
 - METHOD B "EROSION CONTROL METHOD B" LIN.FT.
 - METHOD C "EROSION CONTROL METHOD C" LIN.FT.
 - METHOD D "EROSION CONTROL METHOD D" EACH
 - METHOD E "STRAW BALES IN PLACE" EACH

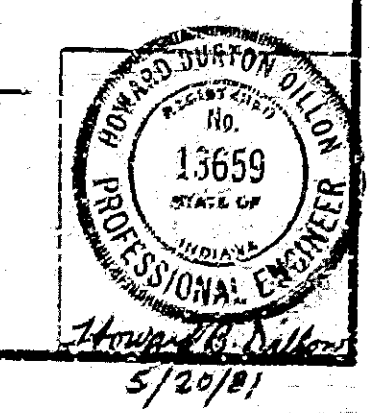
EROSION CONTROL
INDIANA STATE HIGHWAY COMMISSION

SCALE: None DATE: 5-11-81

DESIGNED: CKD
DRAWN: JTR 5-19 CKD
TRACED: CKD

Rev 6-6-79 Method D and E
Rev 4-7-80 Method A, B and C

DRAWING: 1 OF 1 SHEET: 3 OF 33
PROJECT: F199-G (3)
CONTRACT NO B-13660
BRIDGE FILE: 3-16-G770



5/29/81

BEGIN PROJECT # END INCIDENTAL CONSTRUCTION STA. 7+00.00 "A"

BEGIN INCIDENTAL CONSTR. STA. 4+80.00 "A"

Note: From Sta. 4+80 to Sta. 6+50 Standard Bitum. Curb Road Rt. See Typical Cross Section Sht. No. 2.

NOTE: 420 sq. ft. of Sodding Req'd. Between Sta. 6+39.9 & 7.75 on Rt. Side on Disturbed Area (Surgery Sod)

Sec. 11, T11N, R9E Clinton Twp. Decatur Co.

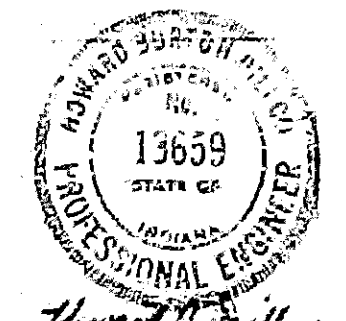
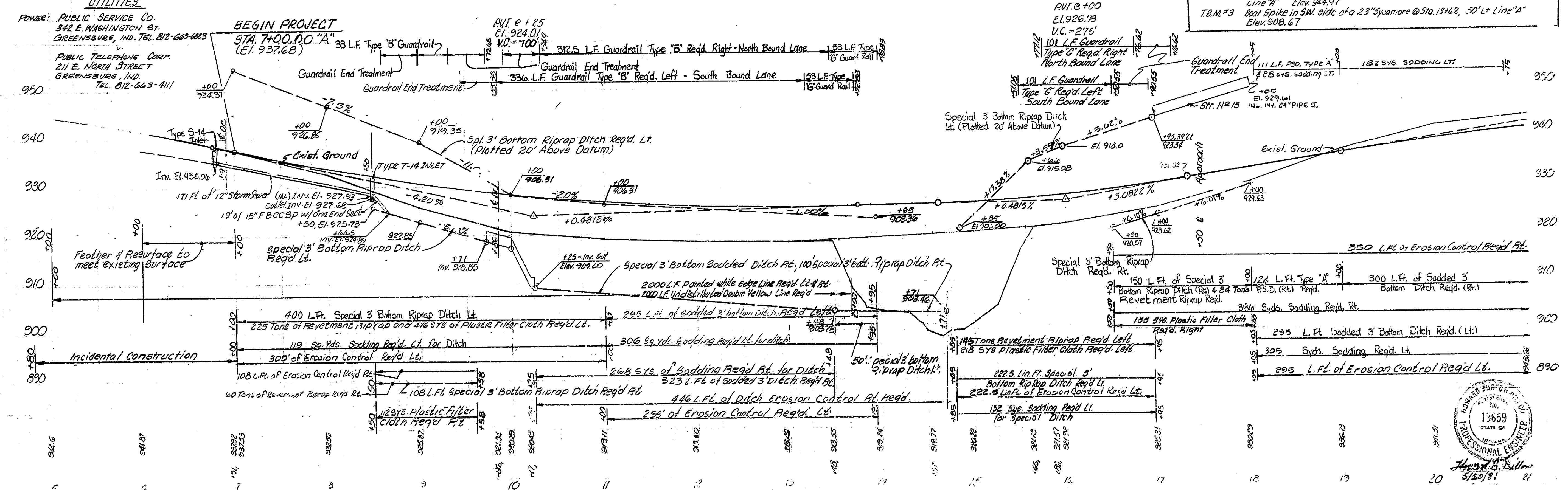
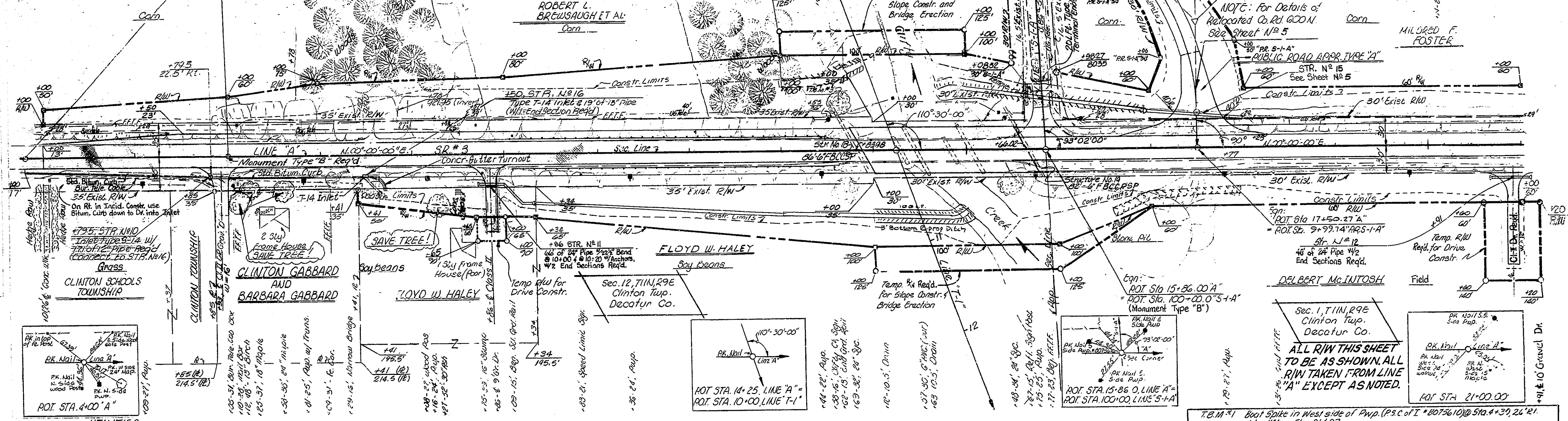
ROBERT L. BREWSAUGH ET AL.
Corn

Sec. 2, T11N, R9E Clinton Twp. Decatur Co.

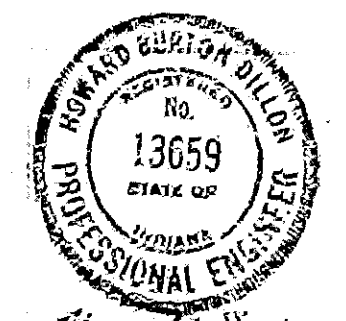
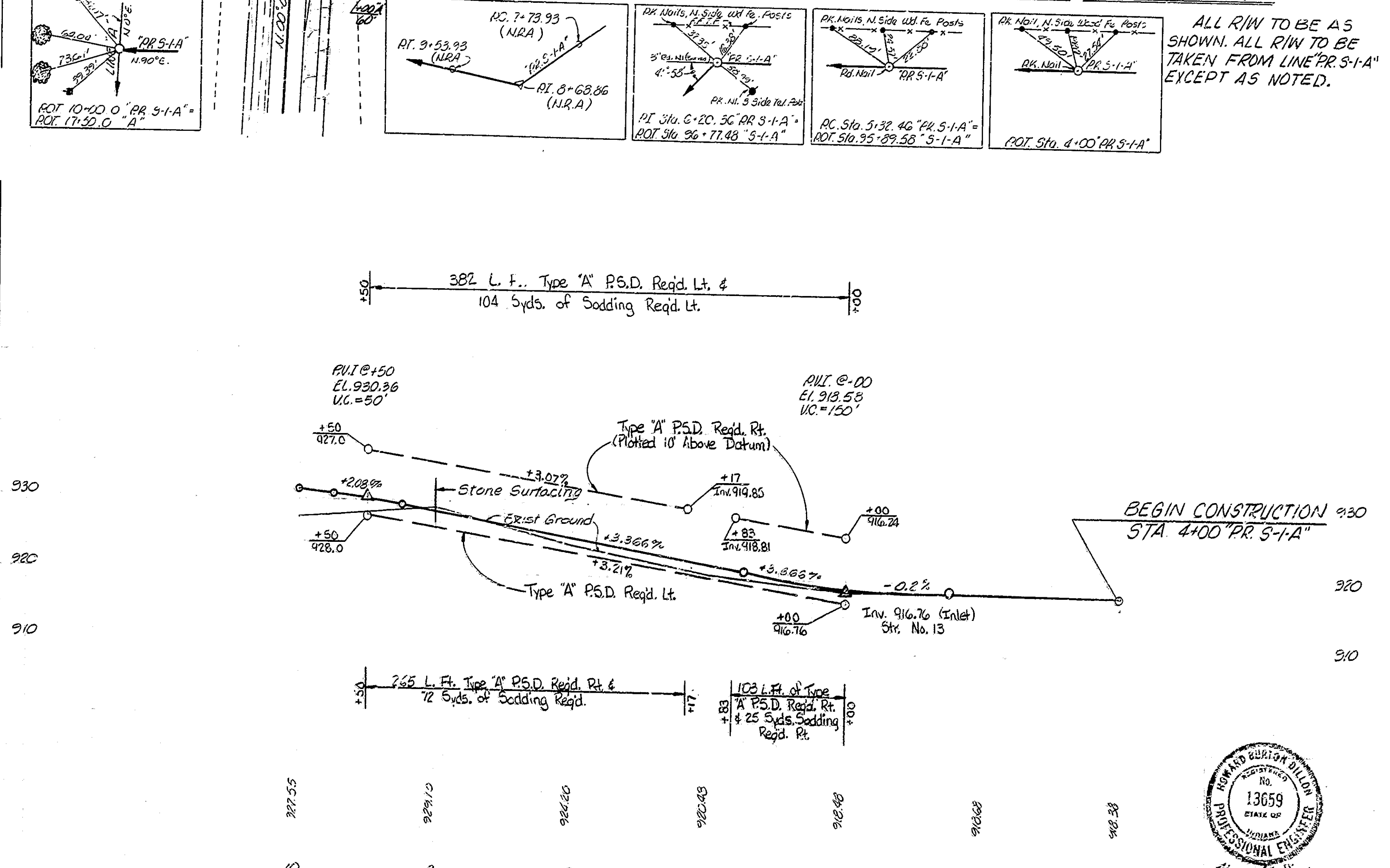
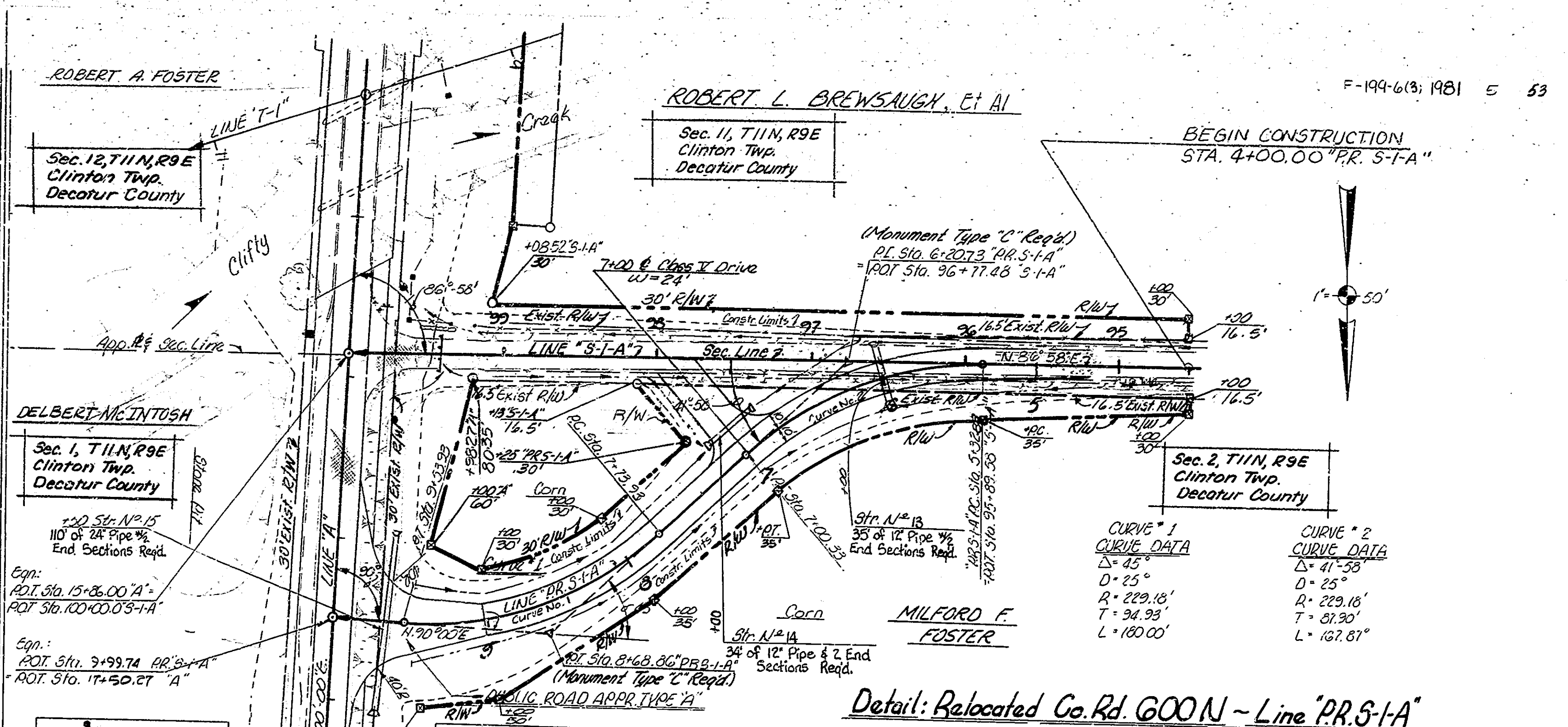
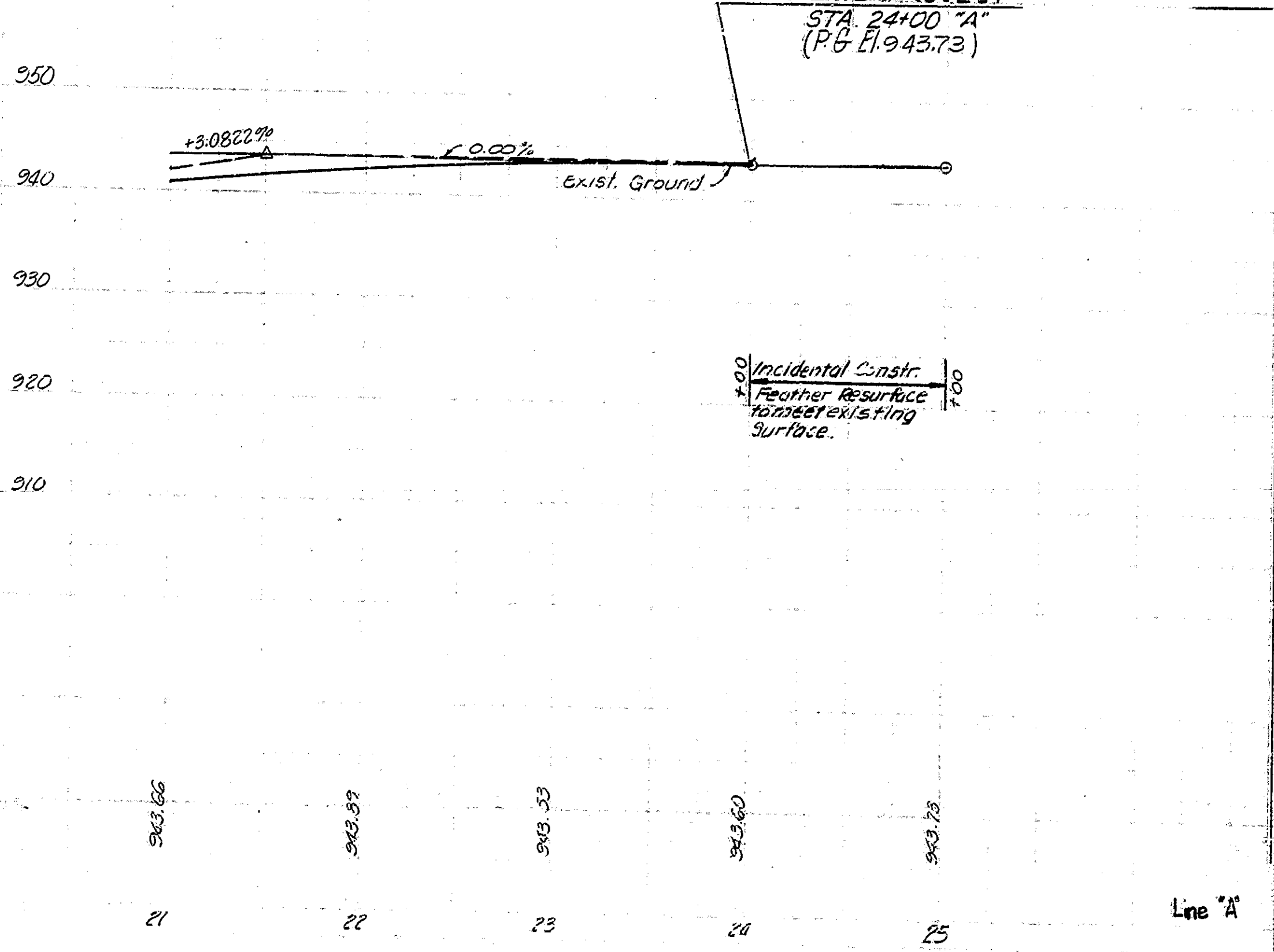
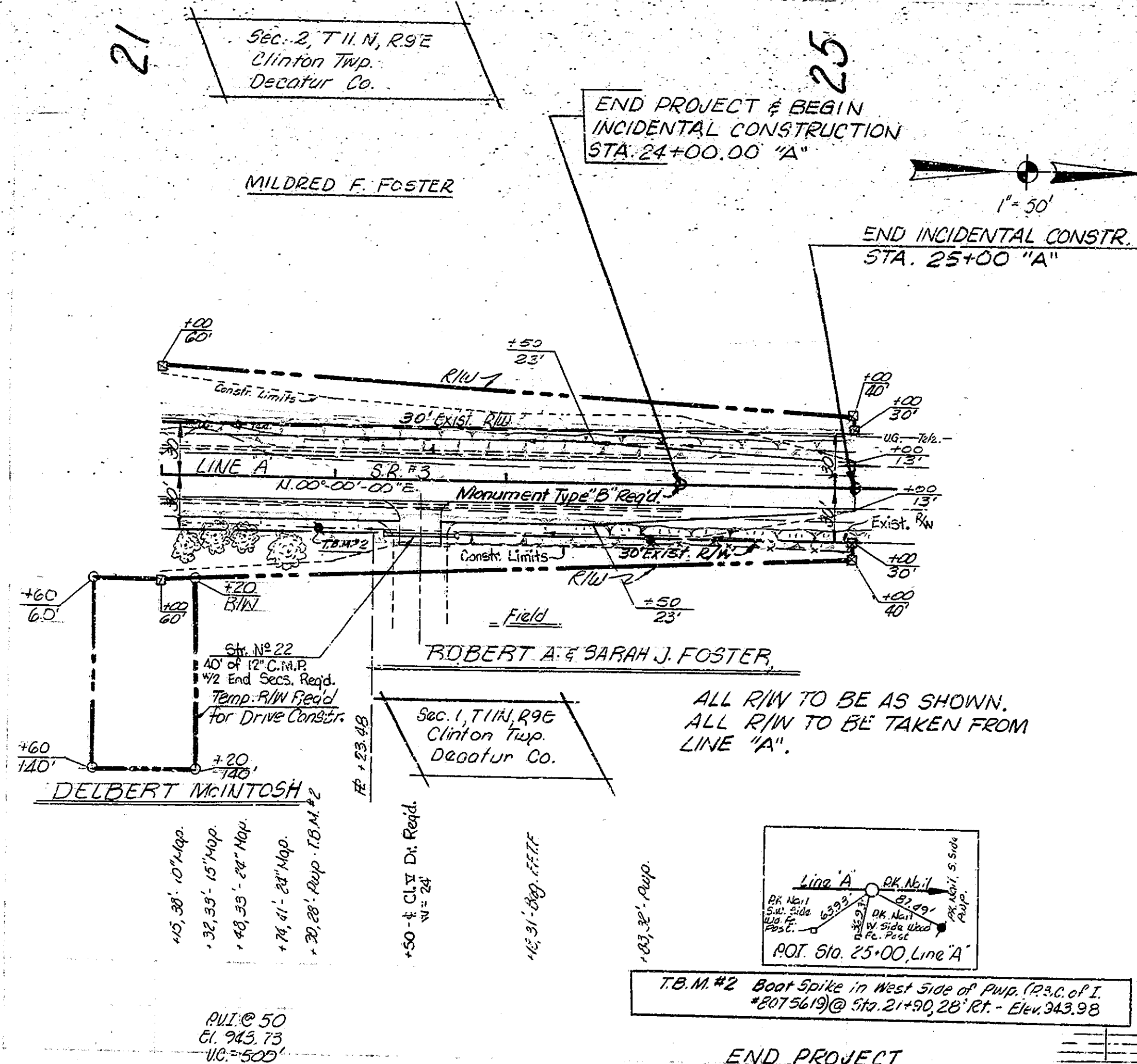
NOTE: For Details of Relocated Co. Rd 600N See Sheet No. 5

F-199-6(3) 1981

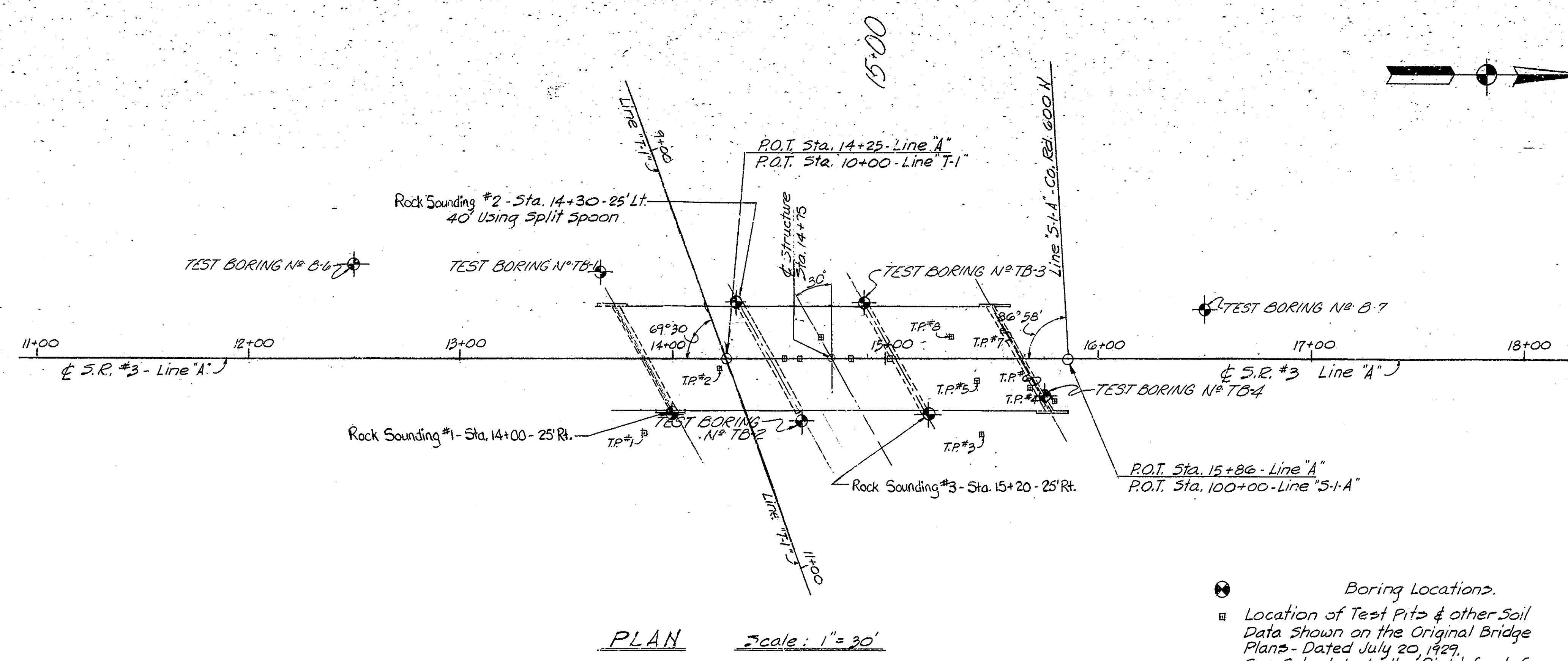
53



Howard B. Dutton
5/25/81



Howard B. Hillman 5/26/81
PR. S-1-A



ADDITIONAL SOIL BORING INFORMATION AS SHOWN ON SHEET NO. 5, DRAWING CI OF THE ORIGINAL BRIDGE PLANS (STRUCTURE NO. 177, CONTRACT NO. 291) DATED JULY 20, 1929.

BORING NO.	LOCATION OF BORING	ELEVATION AT ROCK BEARING
T.P. #1	Sta. 13+87 - 33' Rt.	893.45 - No Rock Encountered
T.P. #2	Sta. 14+22 - 4' Rt.	892.15 - No Rock Encountered
	Sta. 14+53 - & Road	896.85
	Sta. 14+60 - & Road	897.95
	Sta. 14+70 - 10' Lt.	898.85
	Sta. 14+84 - & Road	899.25
	Sta. 15+02 - & Road	900.15
T.P. #3	Sta. 15+31 - 10' Lt.	906.25
T.P. #5	Sta. 15+43 - 10' Rt.	901.15
T.P. #3	Sta. 15+45 - 34' Rt.	900.75
T.P. #7	Sta. 15+55.5 - 13' Lt.	913.45
T.P. #6	Sta. 15+68.5 - 13' Rt.	915.55
T.P. #4	Sta. 15+80 - 19' Rt.	913.85

● Boring Locations.
 ● Location of Test Pits & other Soil Data Shown on the Original Bridge Plans - Dated July 20, 1929.
 See Schedule to the Right for Information.

NOTE: Elevation of & of Existing Roadway at & of Structure is 919.77'.
 See Sheet 6A for Additional Information.

TEST BORING NO.	TB-1	TEST BORING NO.	TB-2	TEST BORING NO.	TB-3	TEST BORING NO.	TB-4	TEST BORING NO.	B-5	TEST BORING NO.	B-6	TEST BORING NO.	B-7
STATION	13+66	STATION	13+66	STATION	14+60	STATION	14+90	STATION	15+75	STATION	9+50	STATION	12+50
OFFSET	39' Lt. 'A'	OFFSET	39' Lt. 'A'	OFFSET	33' Rt. 'A'	OFFSET	25' Lt. 'A'	OFFSET	17' Rt. 'A'	OFFSET	42' Lt. 'A'	OFFSET	42' Lt. 'A'
SURFACE ELEV.	907.0	SURFACE ELEV.	907.0	SURFACE ELEV.	902.0	SURFACE ELEV.	902.0	SURFACE ELEV.	914.0	SURFACE ELEV.	921.0	SURFACE ELEV.	908.0
SURFACE ELEV.	907.0	SURFACE ELEV.	907.0	SURFACE ELEV.	902.0	SURFACE ELEV.	902.0	SURFACE ELEV.	914.0	SURFACE ELEV.	921.0	SURFACE ELEV.	908.0
920													
910													
900													
890													
880													
870													
860													
850													

SOIL BORINGS

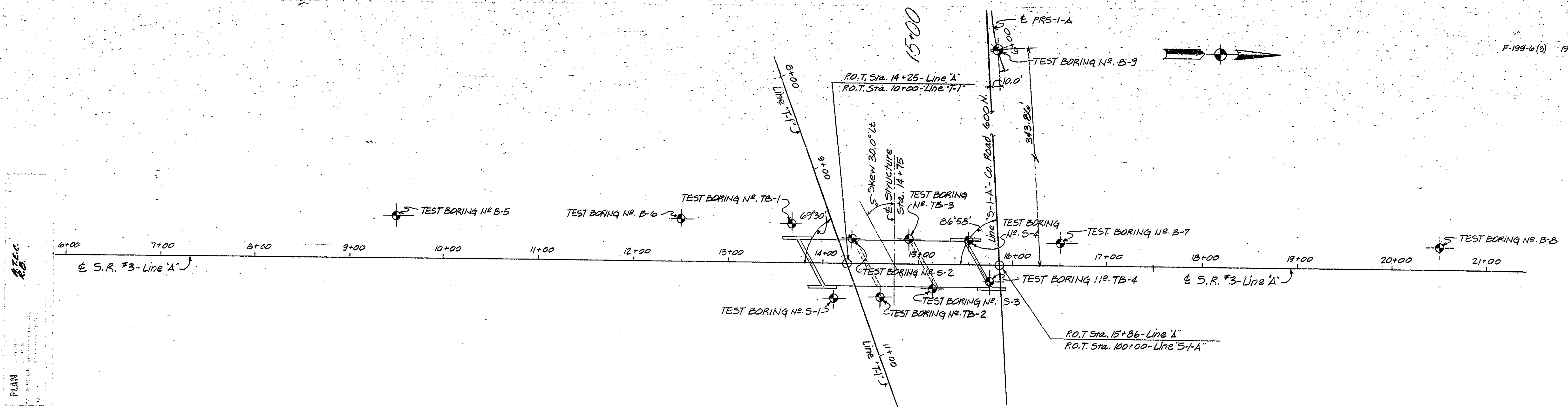
SCALES: HORIZ. 1" = 30' VERT. 1" = 10' DATE: _____

RECOMMENDED FOR APPROVAL _____

SHEET NO. 6 OF 51
 PROJECT: F-199-6(2)
 BRIDGE CONTRACT NO. B-19660
 BRIDGE FILE: 3-16-6770

HOWARD BURTON
 REGISTERED PROFESSIONAL ENGINEER
 No. 13659
 STATE OF INDIANA

Approved: _____
 5/21/61

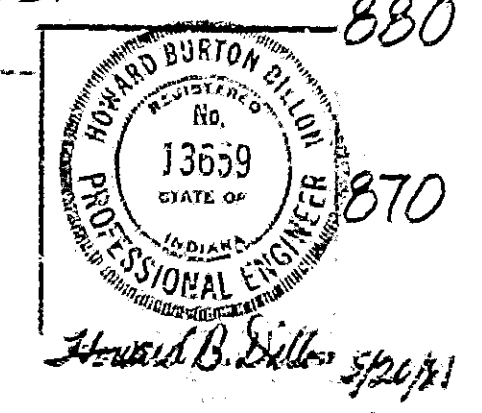


PLAN scale: 1"=50'

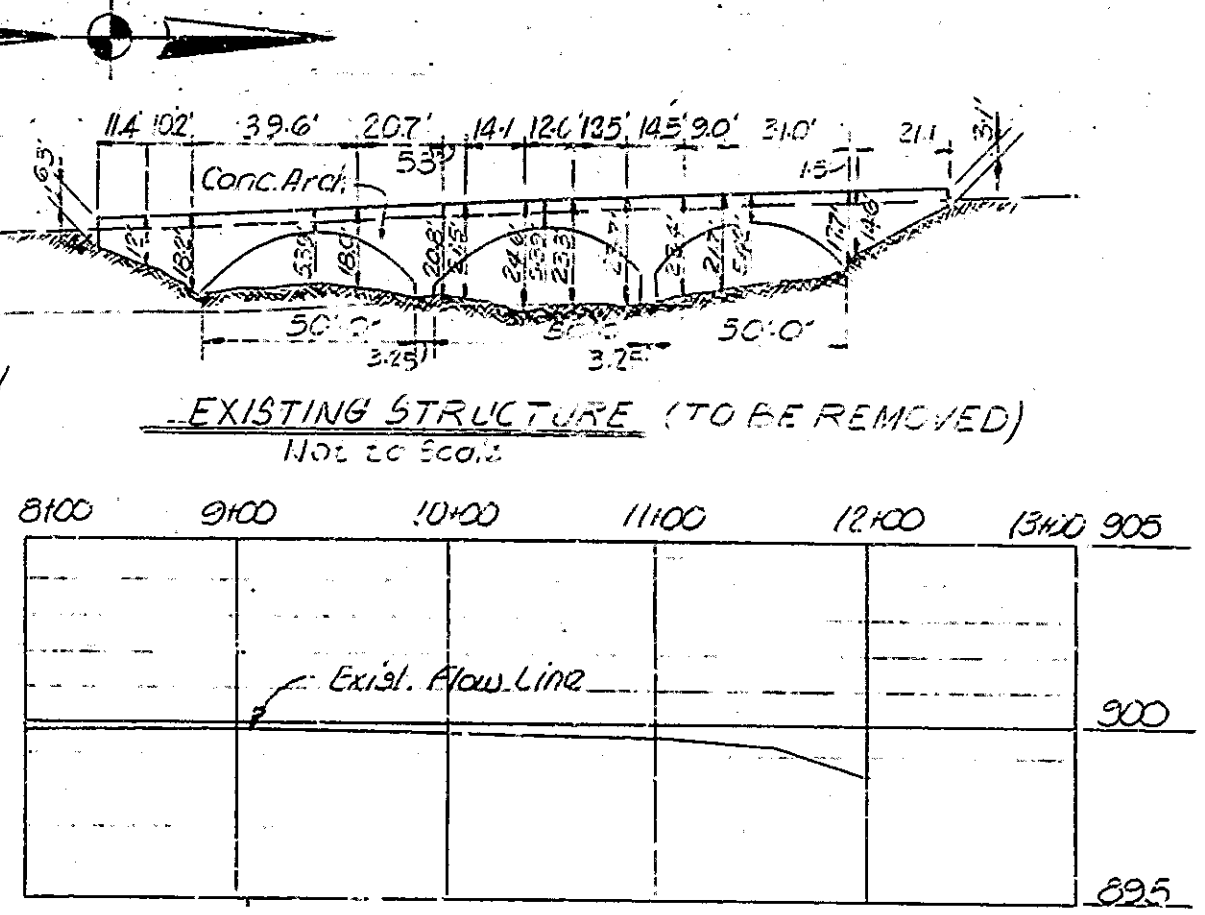
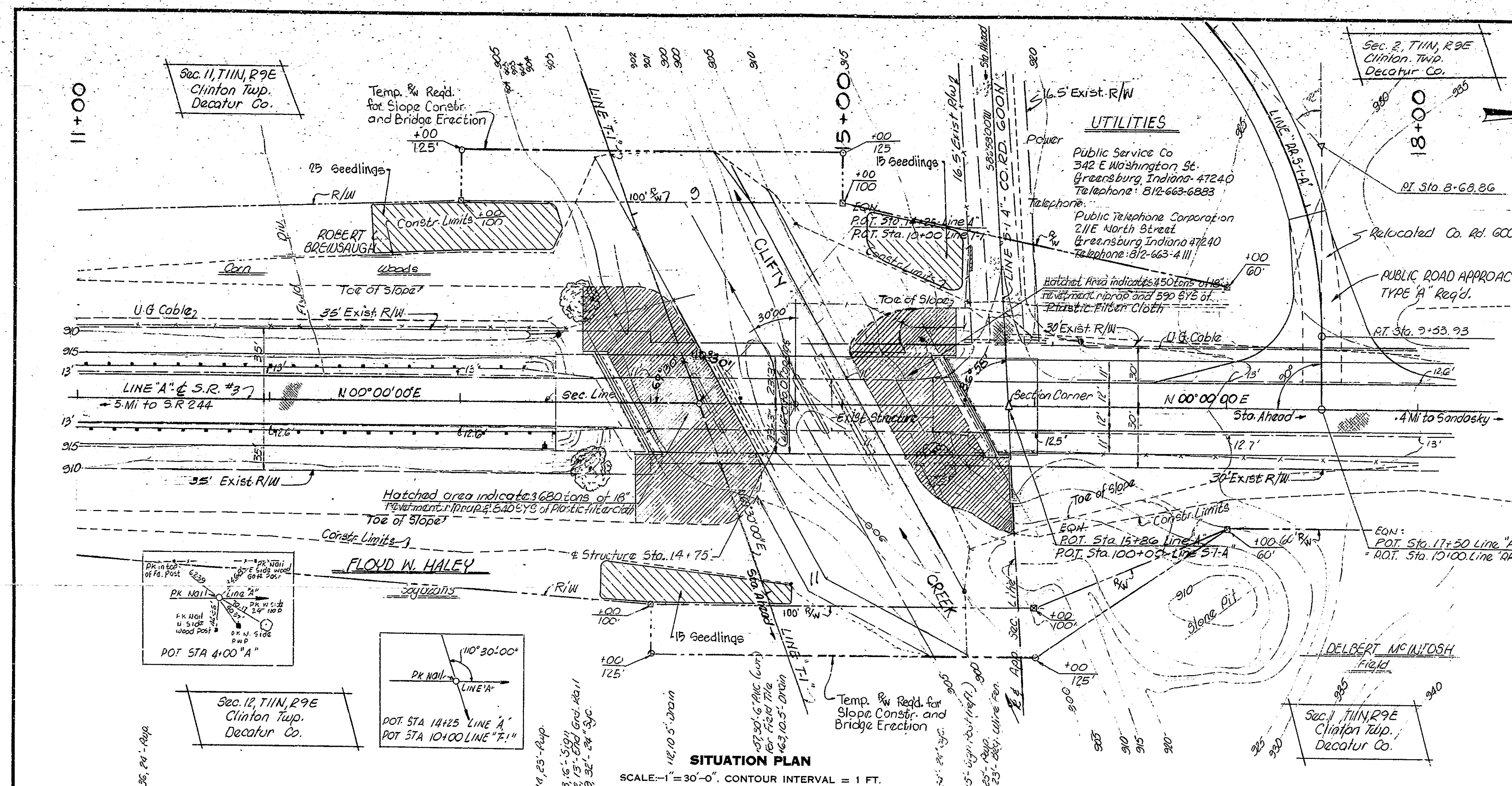
⊙ Boring Locations
 Note: Elevation of E of Existing Roadway at E of Structure is 919.77!
 See Sheet 6 for Additional Information

TEST BORING NO. B-8				TEST BORING NO. B-9				TEST BORING NO. S-1				TEST BORING NO. S-2				TEST BORING NO. S-2 (offset)				TEST BORING NO. S-3				TEST BORING NO. S-4					
STATION 20+50				STATION 6+00				STATION 14+11				STATION 14+30				STATION 14+30				STATION 15+15				STATION 15+53					
OFFSET 22' Lt. 'A'				OFFSET E PRS-1-A				OFFSET 35' Rt. 'A'				OFFSET 25' Lt. 'A'				OFFSET 25' Lt. 'A'				OFFSET 25' Rt. 'A'				OFFSET 24' Lt. 'A'					
SURFACE ELEV. 938.0				SURFACE ELEV. 919.0				SURFACE ELEV. 905.0				SURFACE ELEV. 902.0				SURFACE ELEV. 902.0				SURFACE ELEV. 901.0				SURFACE ELEV. 920.0					
ELEV.	BLOW COUNT	DEPTH	DESCRIPTION	ELEV.	BLOW COUNT	DEPTH	DESCRIPTION	ELEV.	BLOW COUNT	DEPTH	DESCRIPTION	ELEV.	BLOW COUNT	DEPTH	DESCRIPTION	ELEV.	BLOW COUNT	DEPTH	DESCRIPTION	ELEV.	BLOW COUNT	DEPTH	DESCRIPTION	ELEV.	BLOW COUNT	DEPTH	DESCRIPTION		
940																													
938.0			Surface	919.0			Surface	905.0			Surface	902.0			Surface	902.0			Surface	901.0			920.0			Surface	920.0		
935.0	2	3.0'	Brown moist medium stiff SANDY CLAY (see notes)	917.0	3	3.0'	Brown moist medium stiff SILTY CLAY (see notes)	902.0			Surface	902.0			Surface	902.0			Surface	901.0			916.0	2	3.0'	Brown moist SANDY CLAY LOAM (MLL)	916.0		
930.0	4	5.0'	- stiff below 6.0'	914.0	6	6.0'	- stiff below 6.5'													904.0	1	9.6'	Gray weathered LIMESTONE	910.0	1	9.6'	Gray weathered LIMESTONE	910.0	
920.0	5	9.0'	- very stiff below 8.5'	911.0	7	7.0'	- medium stiff below 6.0'													902.0	2	15.0'	Gray weathered LIMESTONE	904.0	2	15.0'	Gray weathered LIMESTONE	904.0	
910.0			Bottom of Test Boring @ 10.0'	908.0			Bottom of Test Boring @ 10.0'													900.0	3		Gray hard slightly weathered jointing massive LIMESTONE (see notes)	900.0	3		Gray hard slightly weathered jointing massive LIMESTONE (see notes)	900.0	
900.0																				890.0				890.0				890.0	
890.0																				880.0				880.0				880.0	
880.0																				870.0				870.0				870.0	
870.0																													

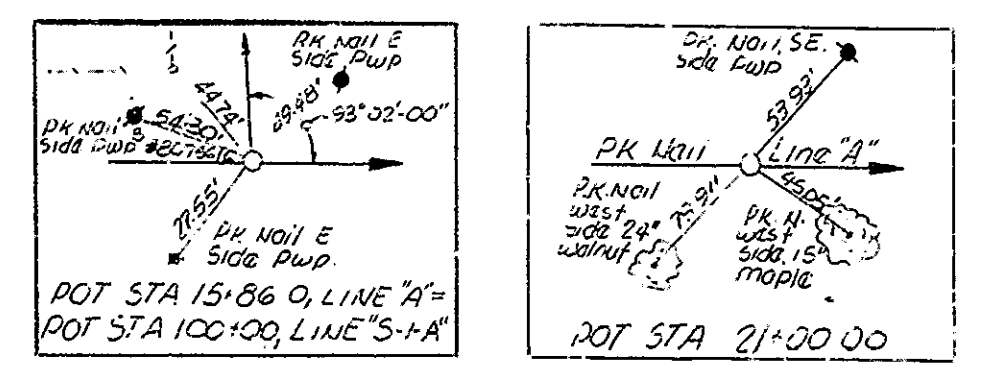
SOIL BORINGS
 SCALES: HORIZ. 1"=30' VERT. 1"=10' DATE: 880
 RECOMMENDED FOR APPROVAL _____
 SHEET NO. 61 OF 51
 PROJECT: F-99-6(2)
 BRIDGE CONTRACT NO. B-13660
 BRIDGE FILE: 3-16-6770



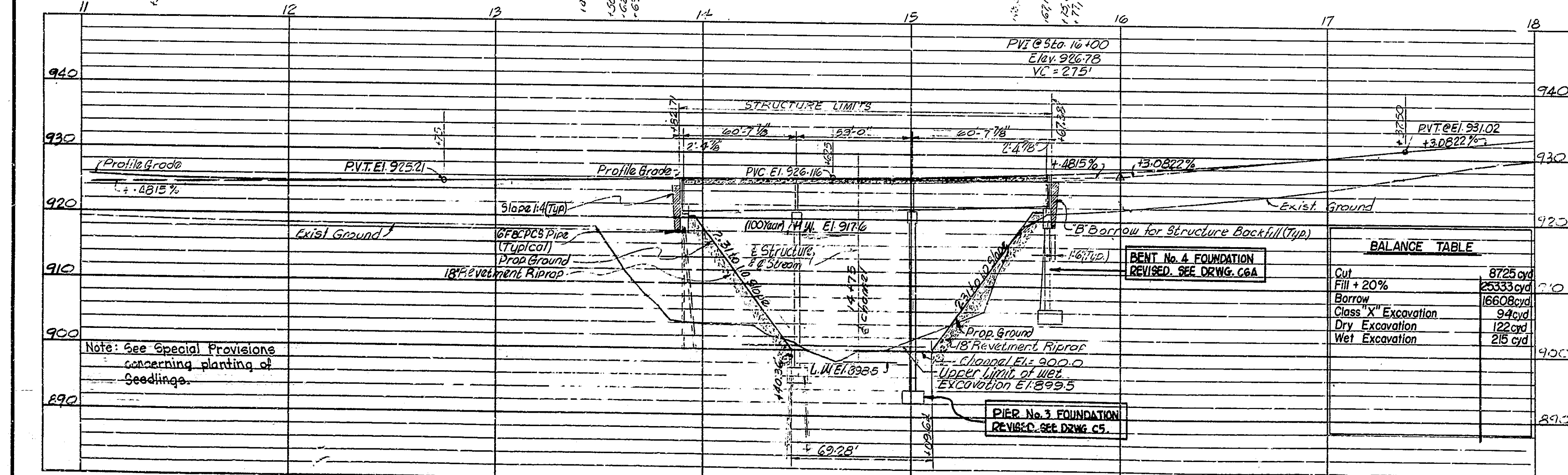
BRIDGES OVER 20' SPAN				
PUB. ROAD RES. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
5	IND.	F-199-6(3)	81	53



PROFILE ON STREAM & scales Horiz. 1"=20' Vert. 1"=5'



TYPICAL CHANNEL SECTION THRU STRUCTURE Not to Scale



INDIANA DEPARTMENT OF NATURAL RESOURCES WATER DIVISION DESIGN RECOMMENDATIONS:
 One hundred year frequency discharge @ 100 = 10,500 CFS
 Effective waterway opening = 1500 sq. ft. below Elev. 917.6
 Average velocity = 7.0 Ft. per second
 Drainage Area = 46.5 Sq. Miles
 Present waterway opening below arch rings = 1556 Sq. Ft.
 Furnished waterway area below El. 917.6 = 1612 Sq. Ft.

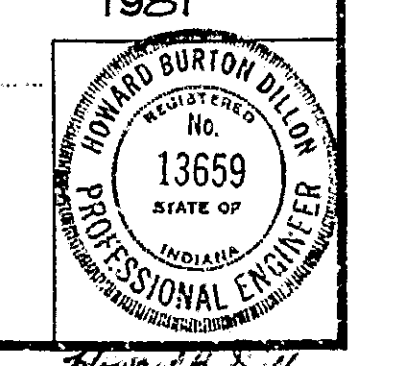
NOTE: See Plan and Profile sheet for Approach Structures, Bench Markers and additional information.

LAYOUT
 CONTINUOUS PRECAST PRESTRESS CONCRETE I BEAM
 BRIDGE - SPANS 28'-5", 59'-0", 28'-3" - 44'-0" OVER ROADWAY - 30'-0"
 SKETCH OVER CLIFTY CREEK, ON S.R.#3

INDIANA STATE HIGHWAY COMMISSION
 DECATUR COUNTY

SCALE: AS NOTED
 RECOMMENDED FOR APPROVAL:

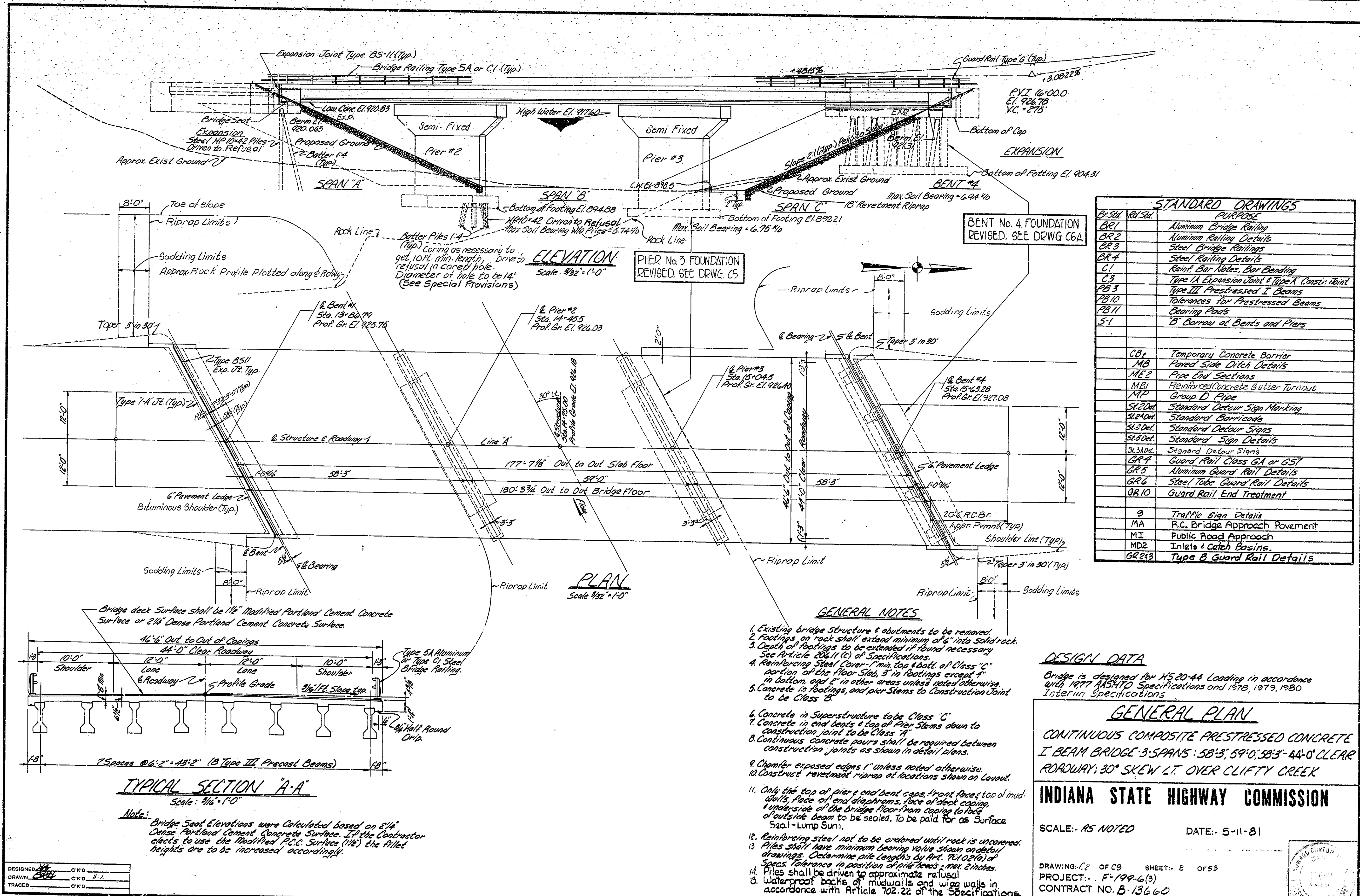
DRAWING: C1 OF C3
 PROJECT: F-199-6(3) STATION: 14+75
 BRIDGE CONTRACT NO. B-13660 & STR.
 BRIDGE FILE: 3-16-6770



DRAWN	A.C.H.	C.K.D.	H.A.
DESIGNED	A.P.	C.K.D.	
TRACED		C.K.D.	

PROFILE ON PROPOSED ROADWAY
 SCALES: HORIZ. 1"=30'-0" VERT. 1"=10'-0"

NOTE: FIELD NOTES, BOOK BR 2359



Br. Std.	Ref. Std.	PURPOSE
BR1		Aluminum Bridge Railing
BR2		Aluminum Railing Details
BR3		Steel Bridge Railings
BR4		Steel Railing Details
C1		Rein. Bar Notes, Bar Bending
C3		Type I-A Expansion Joint & Type A Constr. Joint
PB3		Type III Prestressed I Beams
PB10		Tolerances for Prestressed Beams
PB11		Bearing Pads
S-1		B Borrow at Bents and Piers
CB2		Temporary Concrete Barrier
MB		Paved Side Ditch Details
ME2		Pipe End Sections
MB1		Reinforced Concrete Butte Turnout
MP		Group D Pipe
SL2Det.		Standard Detour Sign Marking
SL2Det.		Standard Barricade
SL3Det.		Standard Detour Signs
SL5Det.		Standard Sign Details
SL3ADet.		Standard Detour Signs
GR4		Guard Rail Class GA or GST
GR5		Aluminum Guard Rail Details
GR6		Steel Tube Guard Rail Details
GR10		Guard Rail End Treatment
9		Traffic Sign Details
MA		R.C. Bridge Approach Pavement
MI		Public Road Approach
MD2		Inlets & Catch Basins
GR243		Type B Guard Rail Details

- GENERAL NOTES**
- Existing bridge structure & abutments to be removed.
 - Footings on rock shall extend minimum of 6" into solid rock.
 - Depth of footings to be extended if found necessary. See Article 204.1(c) of Specifications.
 - Reinforcing Steel Cover - 1" min. top & bottom of Class "C" portion of the floor slab, 3" in footings except 4" in bottom and 2" in other areas unless noted otherwise.
 - Concrete in footings, and pier stems to construction joint to be Class "B".
 - Concrete in Superstructure to be Class "C".
 - Concrete in end bents & top of Pier Stems down to construction joint to be Class "A".
 - Continuous concrete pours shall be required between construction joints as shown in detail plans.
 - Chamfer exposed edges 1" unless noted otherwise.
 - Construct revetment riprap at locations shown on layout.
 - Only the top of pier & end bent caps, front face of mud walls, face of end diaphragms, face of deck capping & underside of the bridge floor from coping to face of outside beam to be sealed. To be paid for as Surface Seal - Lump Sum.
 - Reinforcing steel not to be ordered until rock is uncovered.
 - Piles shall have minimum bearing value shown on detail drawings. Determine pile lengths by Art. 201.2(a) of Specs. Tolerance in position of pile heads - max 2 inches.
 - Piles shall be driven to approximate refusal.
 - Waterproof backs of mudwalls and wing walls in accordance with Article 702.22 of the Specifications.

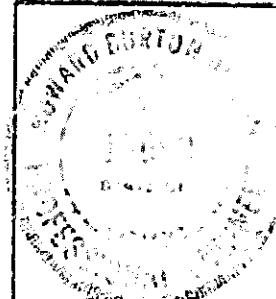
DESIGN DATA
 Bridge is designed for HS20-44 Loading in accordance with 1977 AASHTO Specifications and 1978, 1979, 1980 Interim Specifications.

GENERAL PLAN
 CONTINUOUS COMPOSITE PRESTRESSED CONCRETE I BEAM BRIDGE - 3 SPANS: 58'-3", 59'-0", 58'-3" - 44'-0" CLEAR ROADWAY; 30° SKEW LT. OVER CLIFTY CREEK

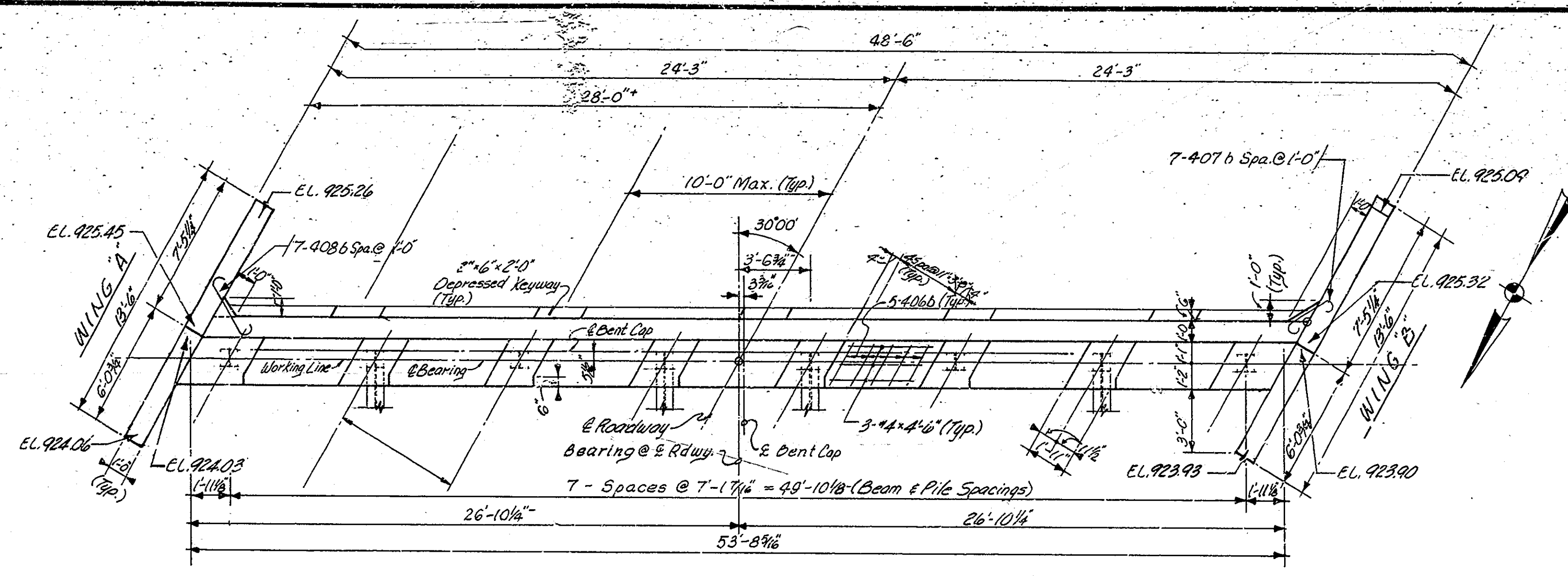
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED DATE: 5-11-81

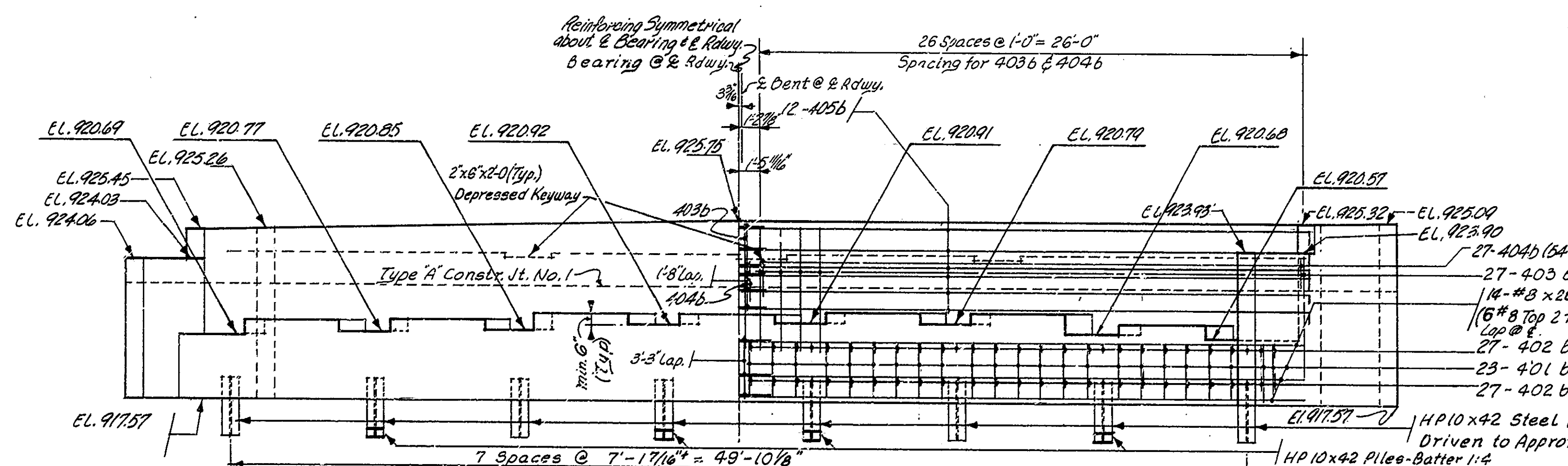
DRAWING: C2 OF C9 SHEET: 8 OF 53
 PROJECT: F-199-6(3)
 CONTRACT NO. B-13660
 BRIDGE FILE: 3-16-6770



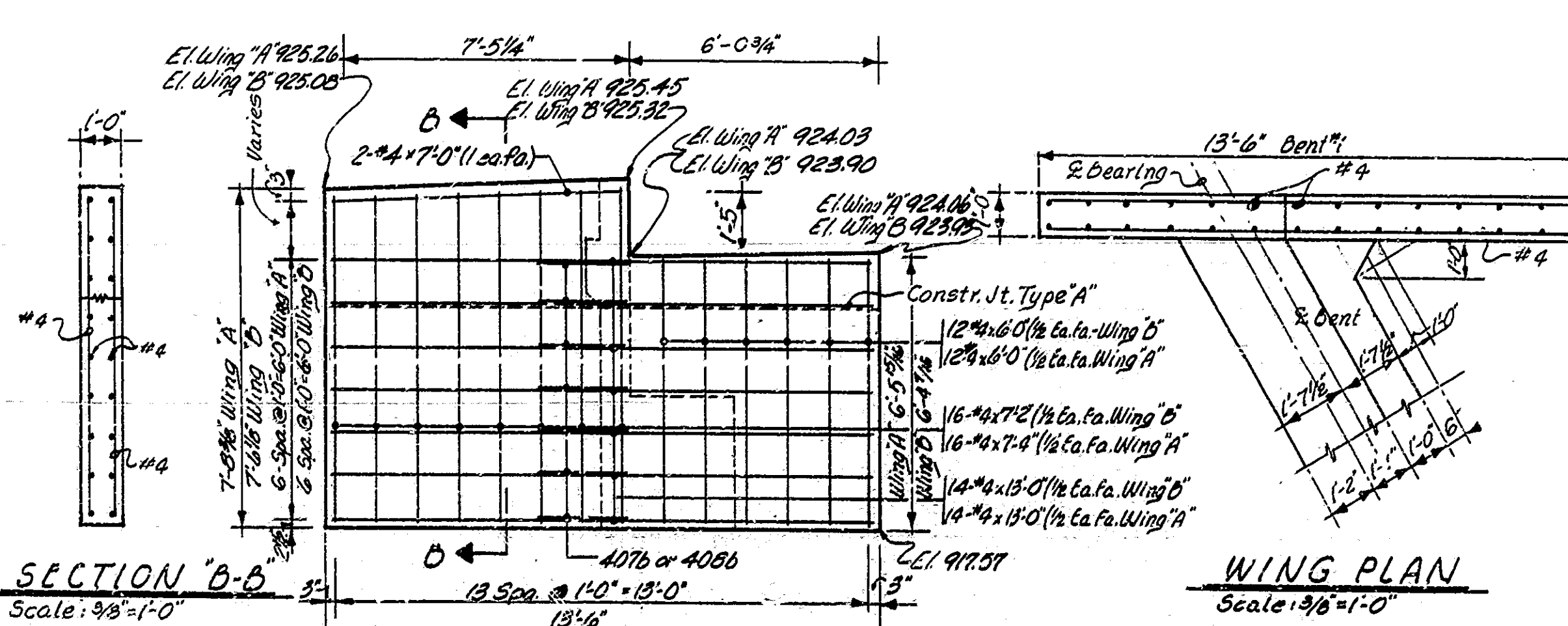
DESIGNED: [Signature] C.K.D.
 DRAWN: [Signature] C.K.D. H.A.
 TRACED: [Signature] C.K.D.



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



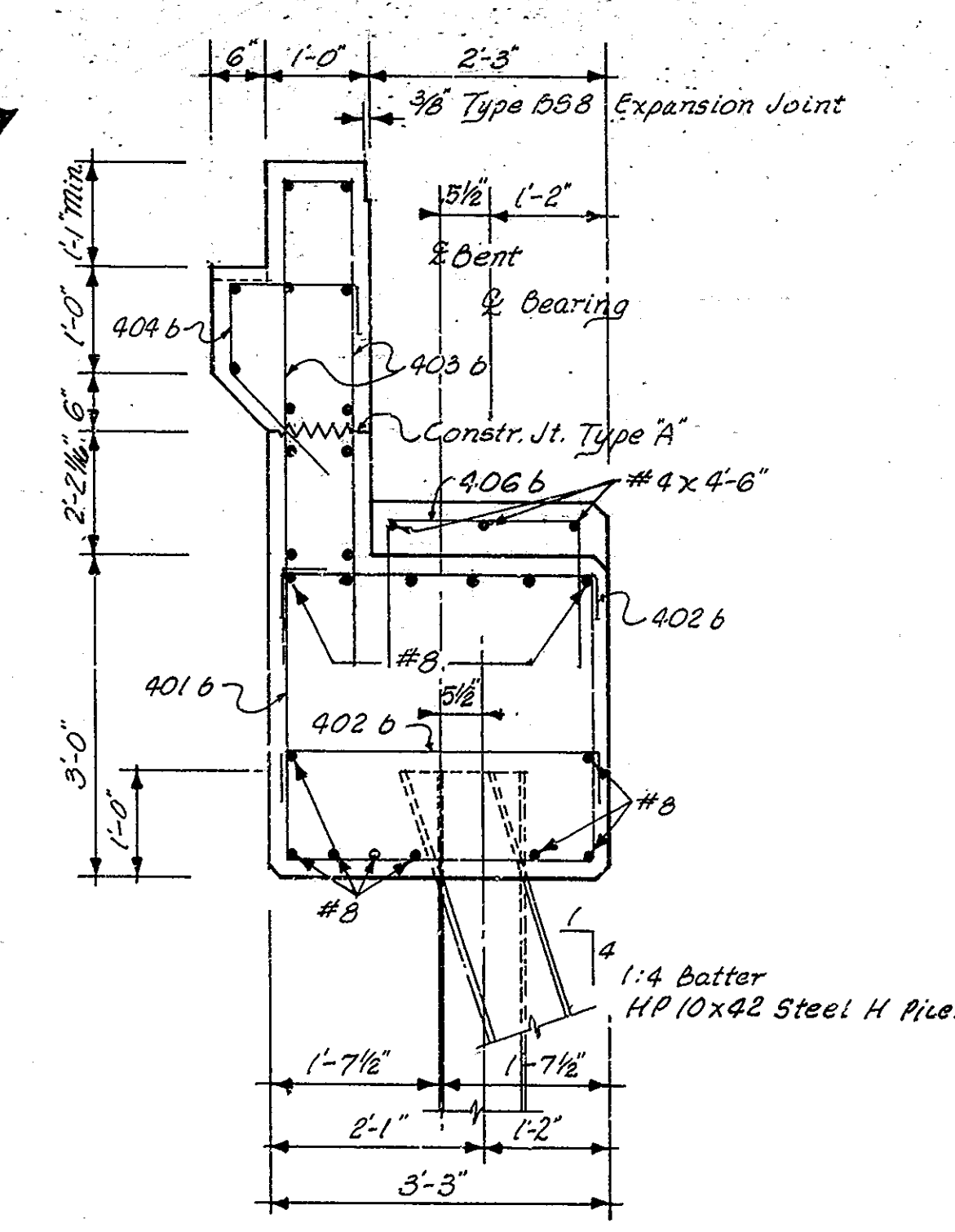
ELEVATION
Scale: 1/4" = 1'-0"



SECTION B-B
Scale: 3/8" = 1'-0"

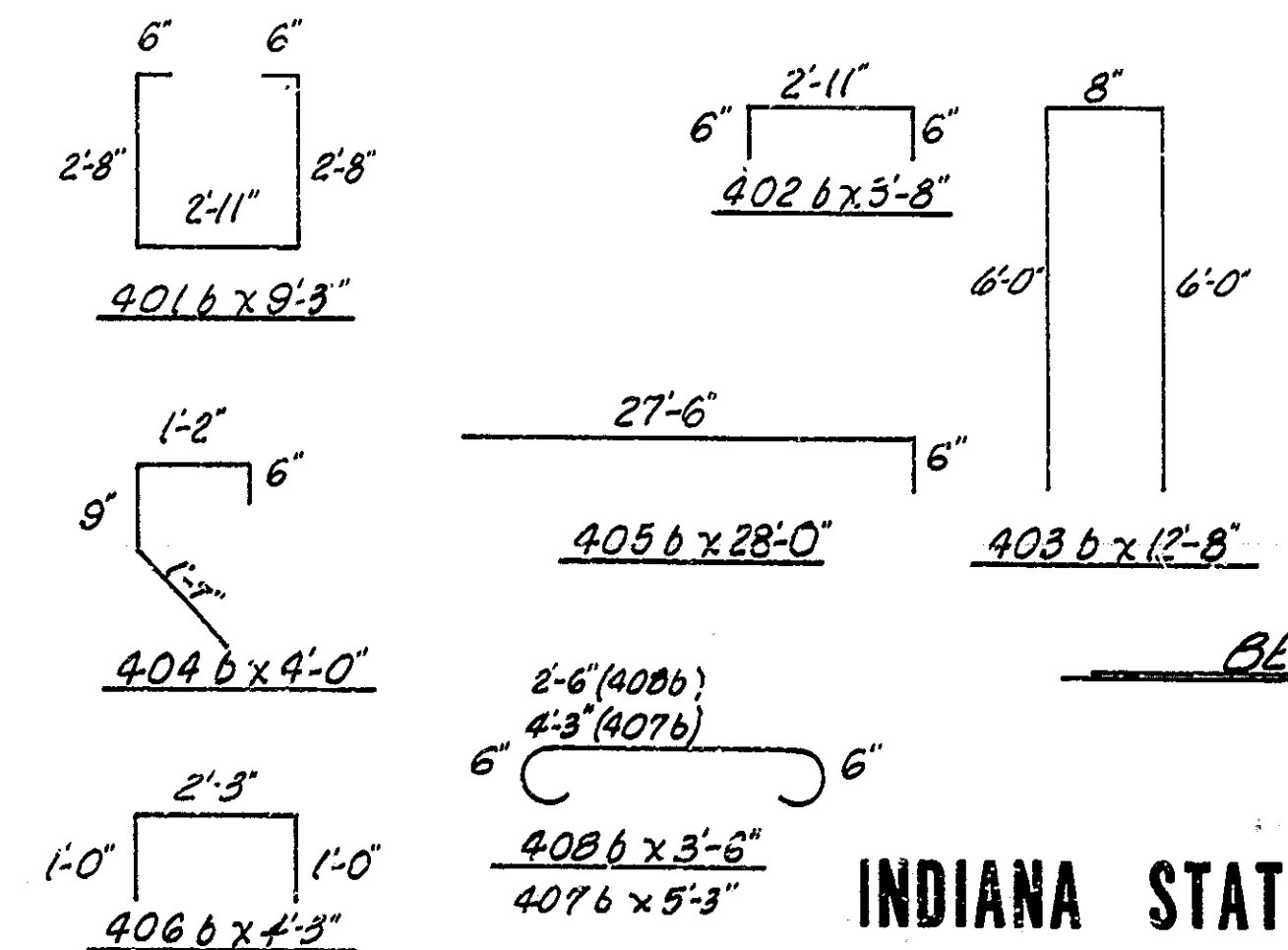
WING PLAN
Scale: 3/8" = 1'-0"

WINGWALL ELEVATION
Scale: 3/8" = 1'-0"



TYPICAL SECTION
Scale: 3/4" = 1'-0"

SPLICES
Top #8: 3'-3"
Top #4: 1'-8"



BENT No. 1 DETAILS

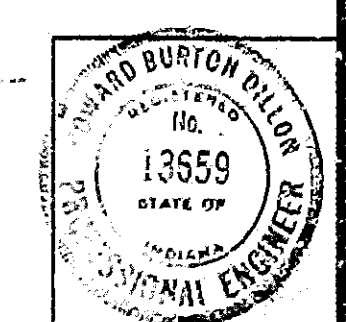
BILL OF MATERIAL			
BENT NO. 4 SAME (EXCEPT AS NOTED)			
REINFORCING STEEL			
Mark or Number	Length	Weight	
Size of Bars	(Ft.)	(Lbs.)	
#8	28'-6"		
Total #8		2131	
401b	46	9'-3"	
402b	103	3'-11"	
403b	54	12'-8"	
404b	54	4'-0"	
405b	24	28'-0"	
406b	35	4'-3"	
407b	7	5'-3"	
408b	7	3'-6"	
#4	28	13'-0"	
#4	16	7'-4"	
#4	16	7'-2"	
#4	2	7'-0"	
#4	24	6'-0"	
#4	21	4'-6"	
Total #4		2306	
Total Steel		4437	
CONCRETE			
Class A in Cap Mudwall &			
Wings above Constr. Jt. A			
		7.6	CYS
Class A Mudwall &			
		33.2	CYS
		40.8	CYS
MISCELLANEOUS			
8-HP 10x42 Steel H			
		400	FT.
Piles @ 30 FT. ca			
		430	SFT

See Bridge Standards C1 for Reinforcing Bar Notes. See Drug C2 for General Notes.

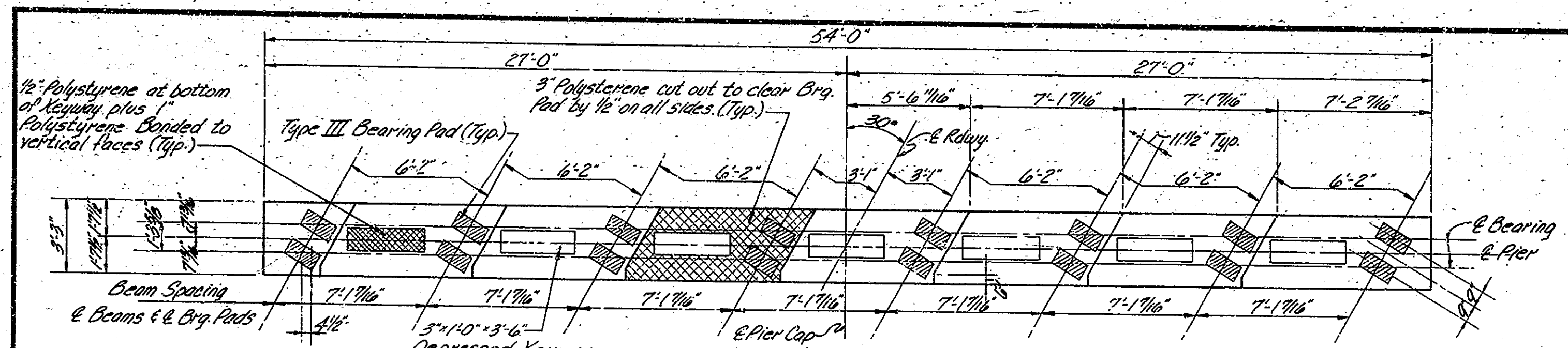
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED DATE: 5-11-81

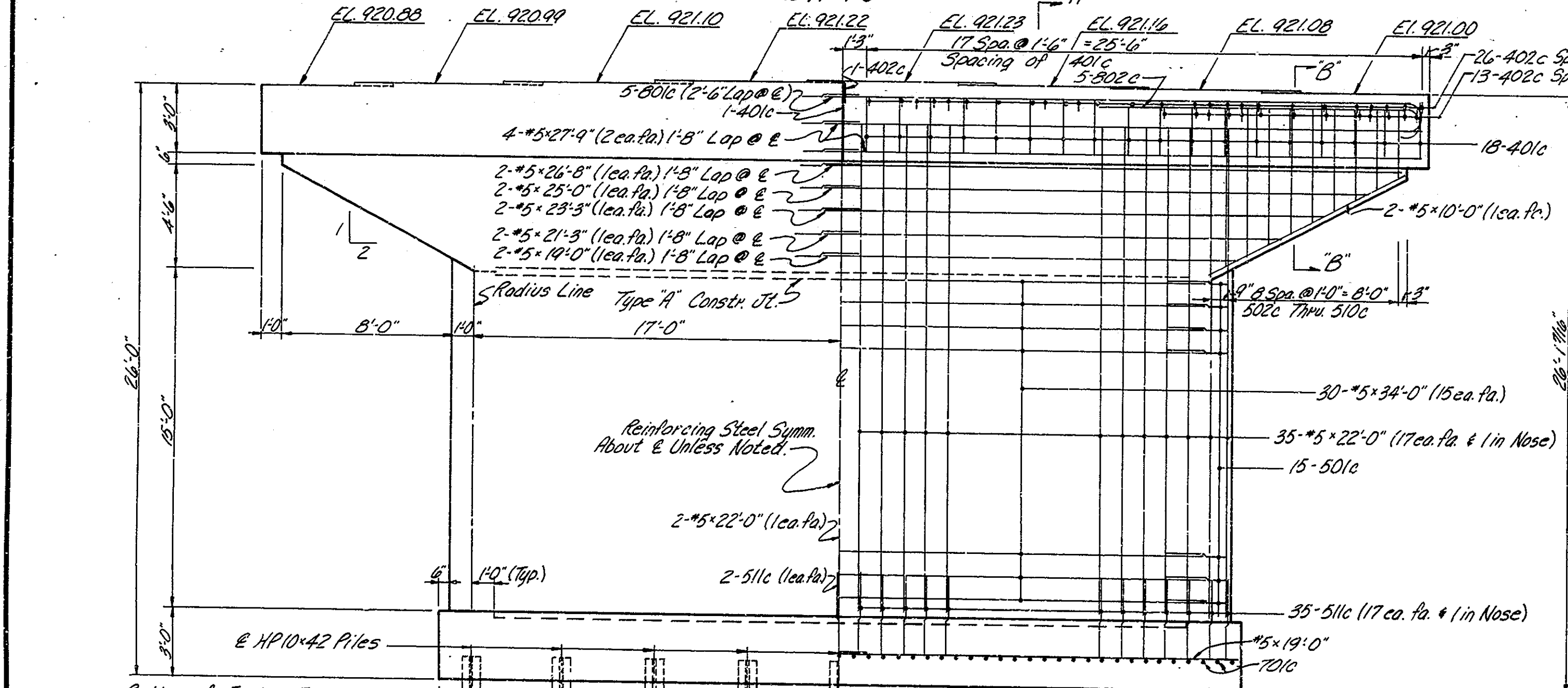
DRAWING: 03 OF 09 SHEET: 9 OF 53
PROJECT: F-199-6(13)
CONTRACT NO. B-13660
BRIDGE FILE: 3-16-6770



DESIGNED: JH CWD
DRAWN: W.D. Spivey CWD JH
IN CHARGE: JH CWD



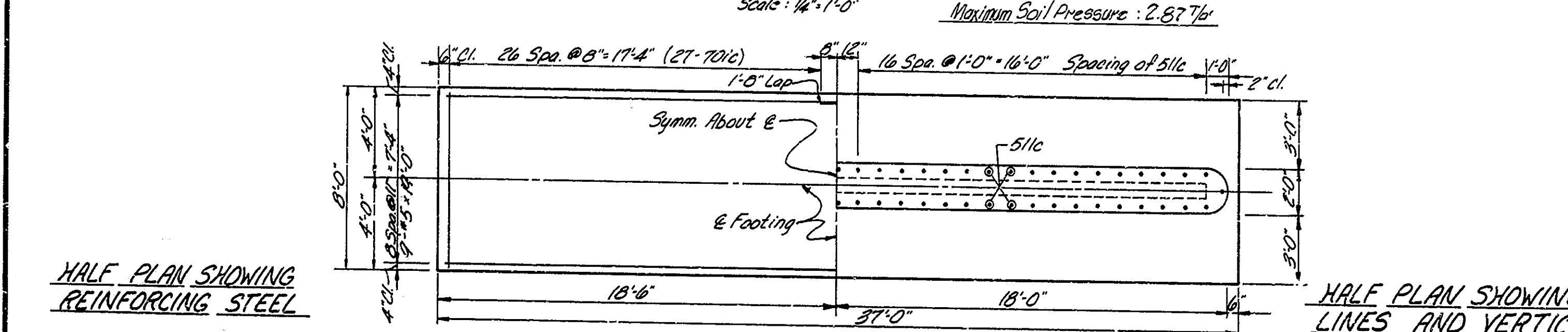
CAP PLAN
Scale: 1/4" = 1'-0"



HALF ELEVATION SHOWING CONCRETE DIMENSIONS

ELEVATION
Scale: 1/4" = 1'-0"

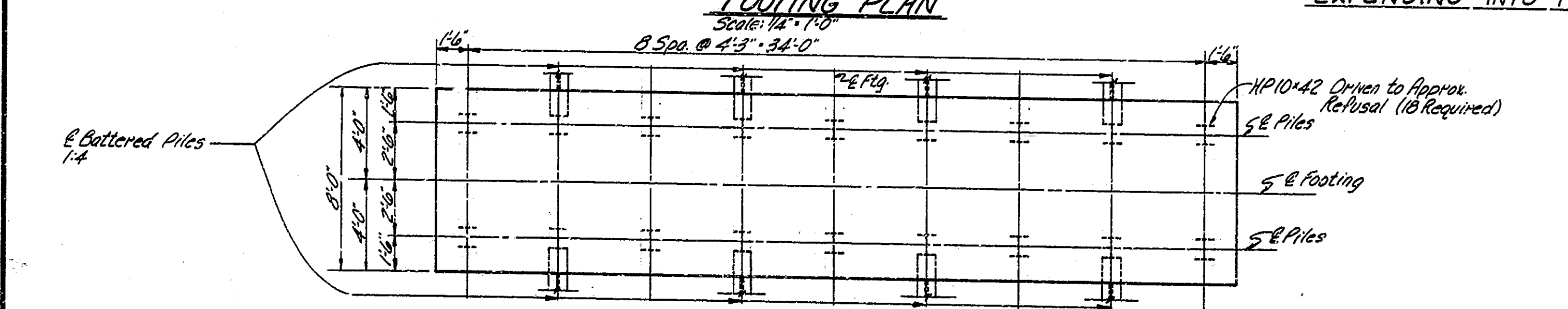
HALF ELEVATION SHOWING REINFORCING STEEL



HALF PLAN SHOWING REINFORCING STEEL

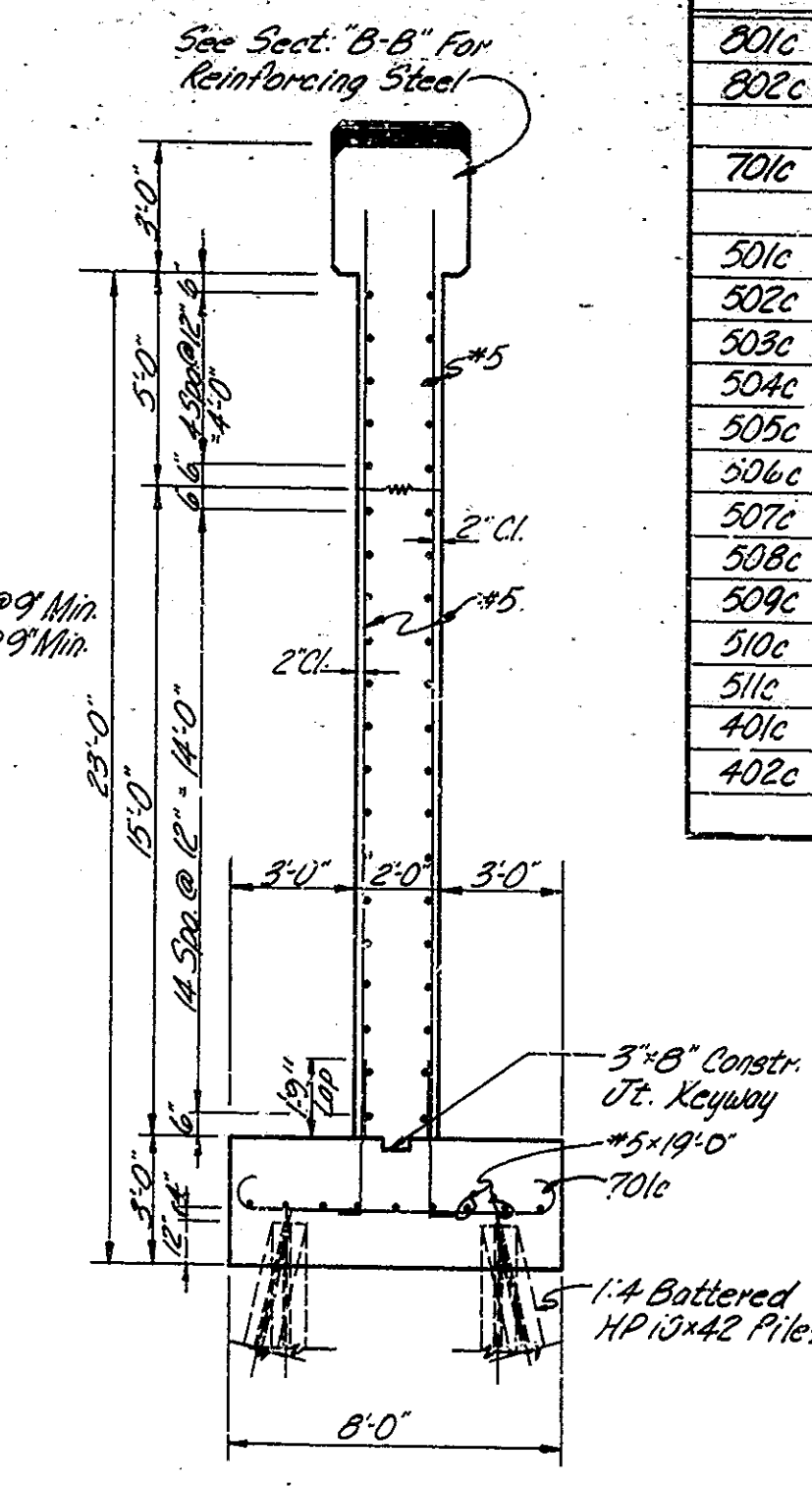
FOOTING PLAN
Scale: 1/4" = 1'-0"

HALF PLAN SHOWING NEAT LINES AND VERTICAL STEEL EXTENDING INTO FOOTING

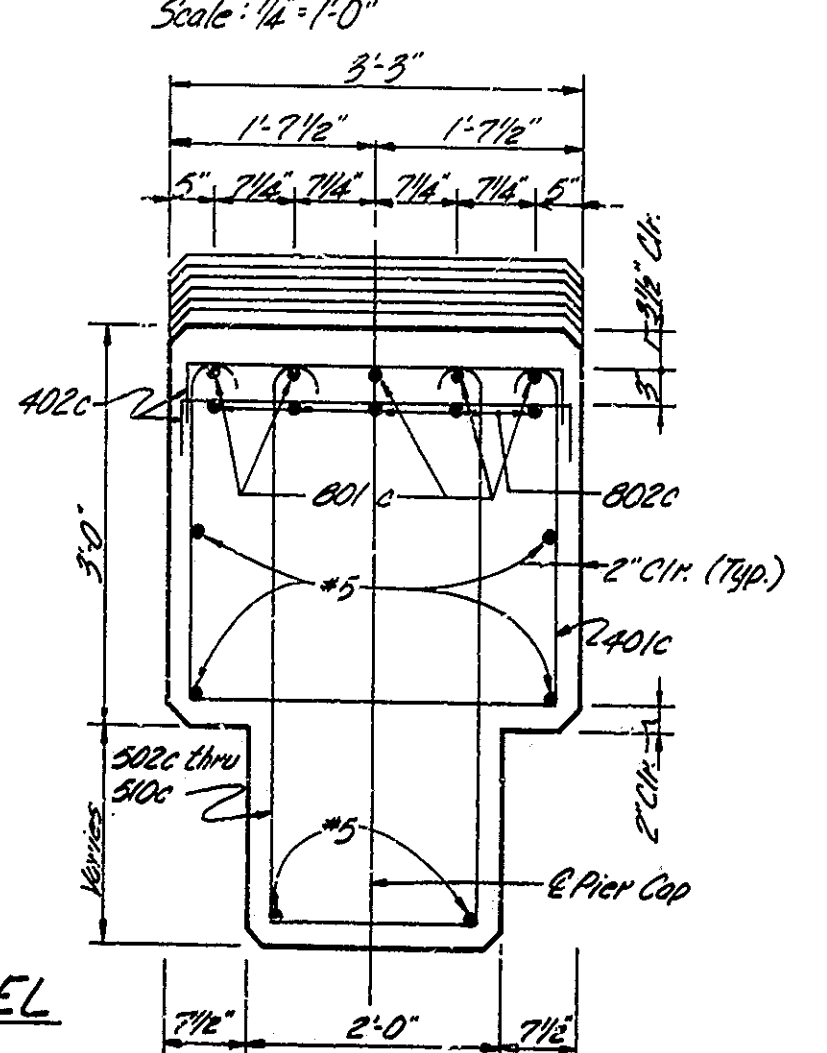


PILE SPACING DETAIL
Scale: 1/4" = 1'-0"

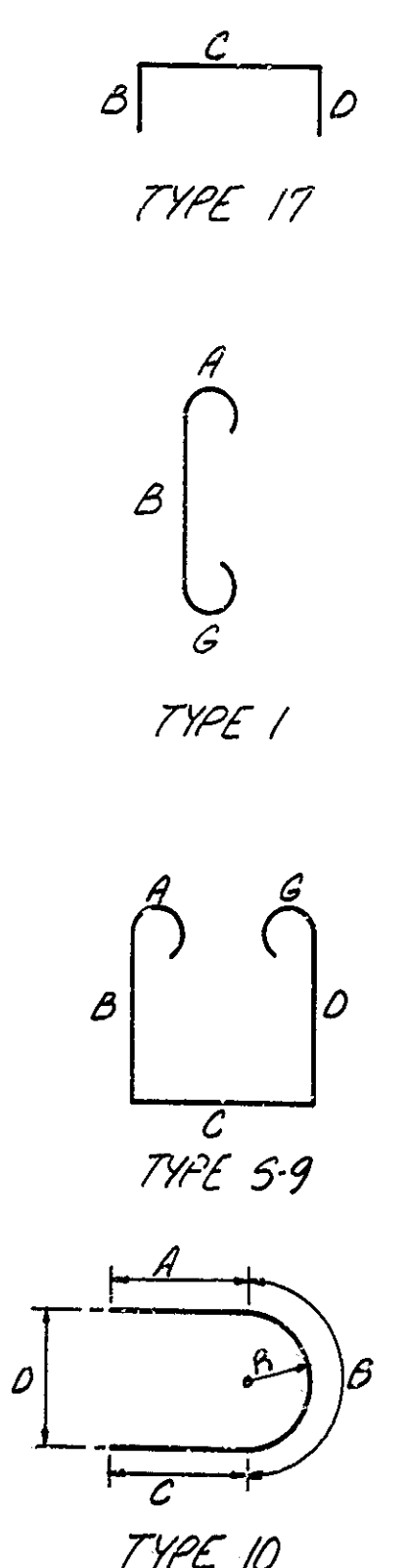
BAR BENDING TABLE							
Mark	Length	Type	A	B	C	D	G R
801c	29'-0"	1	12"	28'-0"			
802c	13'-6"	1	12"	12'-6"			
701c	9'-2"	1	10"	7'-6"	10'		10'
501c	6'-0"	10	1'-8"	2'-8"	1'-8"	1'-8"	10'
502c	17'-2"	5-9	7"	7'-2"	1'-8"	7'-2"	7"
503c	16'-2"	3-9	7"	6'-8"	1'-8"	6'-8"	7"
504c	15'-2"	3-9	7"	3'-2"	1'-8"	6'-2"	7"
505c	14'-2"	3-9	7"	5'-8"	1'-8"	5'-8"	7"
506c	13'-2"	3-9	7"	5'-2"	1'-8"	5'-2"	7"
507c	12'-2"	3-9	7"	4'-8"	1'-8"	4'-8"	7"
508c	11'-2"	3-9	7"	4'-2"	1'-8"	4'-2"	7"
509c	10'-2"	3-9	7"	3'-8"	1'-8"	3'-8"	7"
510c	9'-2"	3-9	7"	3'-2"	1'-8"	3'-2"	7"
511c	4'-3"	17	10"	3'-5"			
401c	9'-1"	5-9	6"	2'-7"	2'-11"	2'-7"	6"
402c	3'-11"	17	6"	2'-11"	6"		



SECTION 'A-A'
Scale: 1/4" = 1'-0"



SECTION 'B-B'
Scale: 3/4" = 1'-0"



BAR BENDING DETAILS
No Scale

BILL OF MATERIALS
REINFORCING STEEL
PIER No. 2

Mark or Size of Bars	Number of Bars	Length (Ft.)	Weight (Lbs.)
501c	10	29'-0"	
502c	10	13'-6"	
Total #8			1185
701c	55	9'-2"	
Total #7			1031

501c	30	6'-0"	
502c	2	17'-2"	
503c	2	16'-2"	
504c	2	15'-2"	
505c	2	14'-2"	
506c	2	13'-2"	
507c	2	12'-2"	
508c	2	11'-2"	
509c	2	10'-2"	
510c	2	9'-2"	
511c	72	4'-3"	
#5	30	34'-0"	
#5	8	27'-9"	
#5	4	26'-8"	
#5	4	25'-0"	
#5	4	23'-3"	
#5	4	21'-3"	
#5	22	19'-0"	
#5	4	10'-0"	
Total #5			2928

401c	37	9'-1"	
402c	79	3'-11"	
Total #4			431
Total Reinforcing Steel			5525

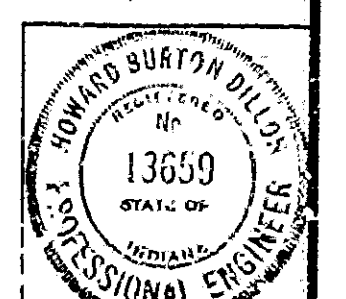
CONCRETE	
Class 'A' Above	(CYB)
Const. Joint No. 1	36.7
Class 'B' Above	
Footings	99.5
Class 'B' in	
Footings	32.9
MISCELLANEOUS	
18-HP10x42 @ 30 Piles	540 L. Ft.
Surface Seal	41 S. Ft.

PIER No. 2 DETAILS
INDIANA STATE HIGHWAY COMMISSION

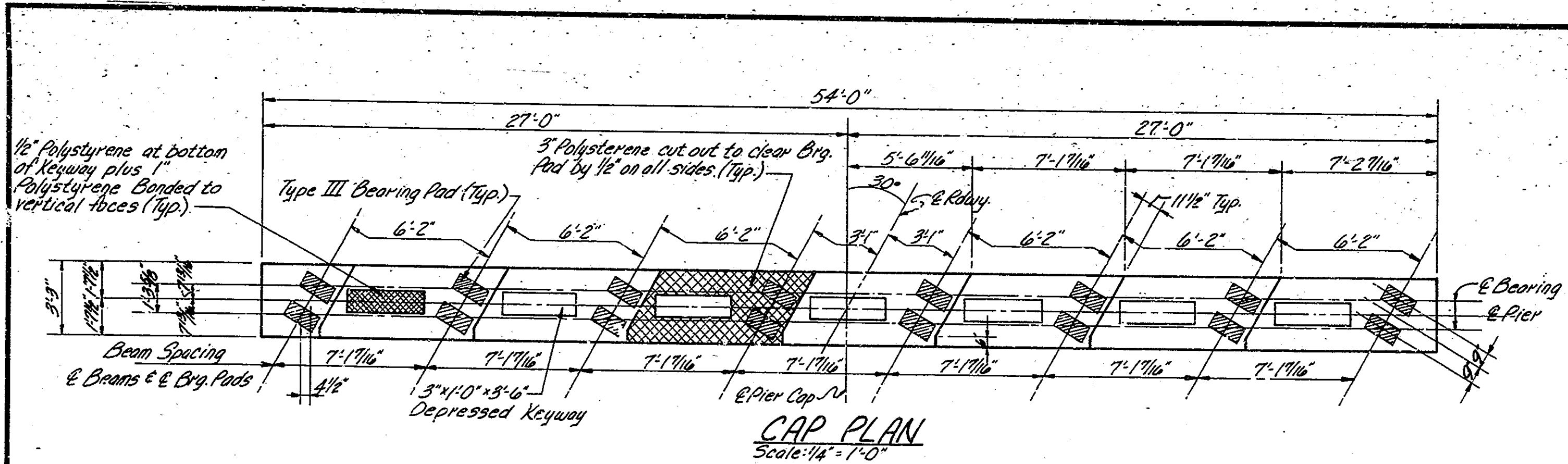
SCALE: As Noted DATE: 5-1-81

See Bridge Standard C1 for Reinforcing Bar Notes.
See Draw. Sheet C2 for General Notes.

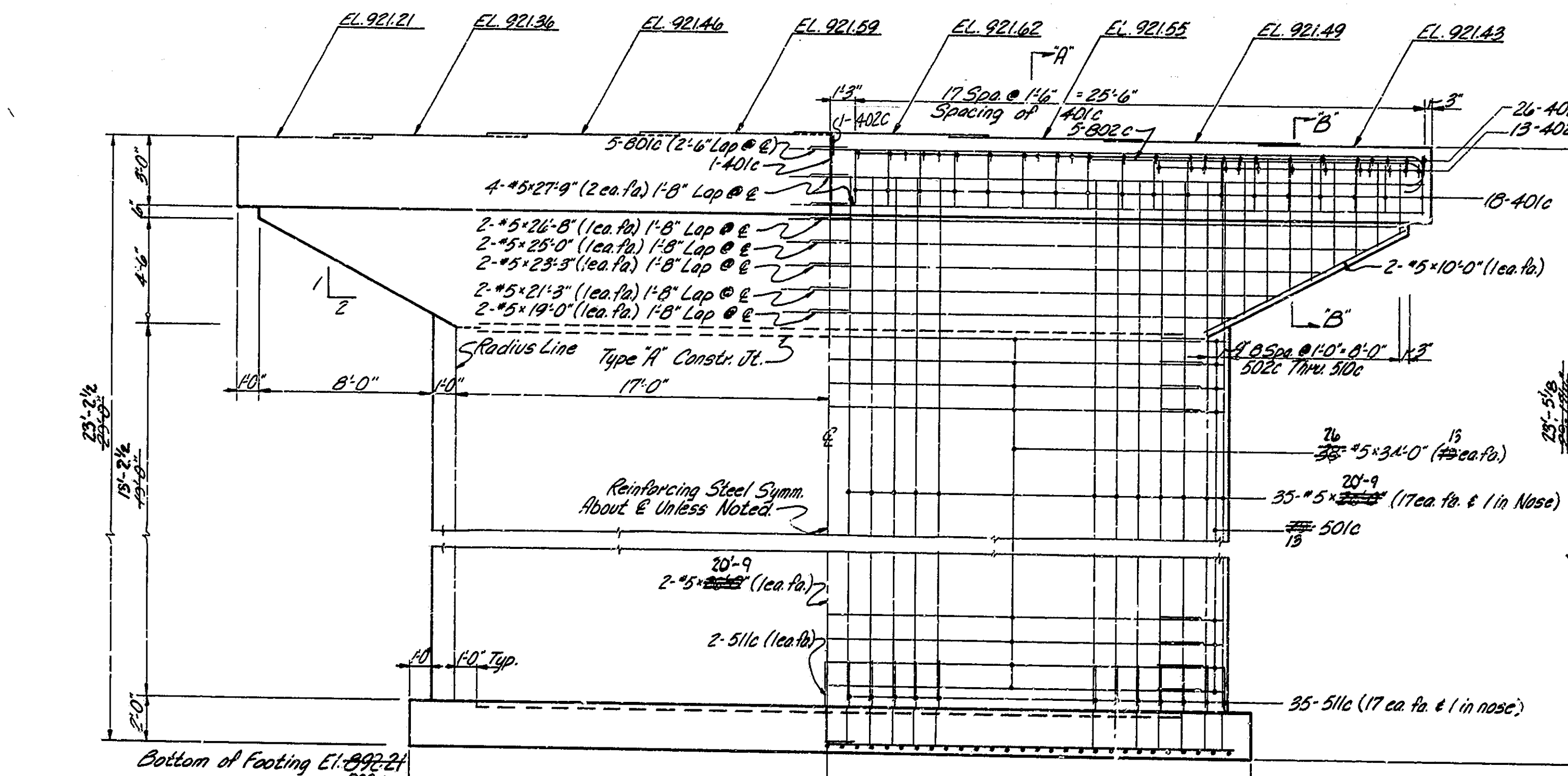
DRAWING: C4 OF C9 SHEET: 10 OF 53
PROJECT: F-199-61(3)
CONTRACT NO. B-3660
BRIDGE FILE: 3-5-6770



DESIGNED: H.P. C.K.D.
DRAWN: B.P. C.K.D.
TRACED: B.P. C.K.D.



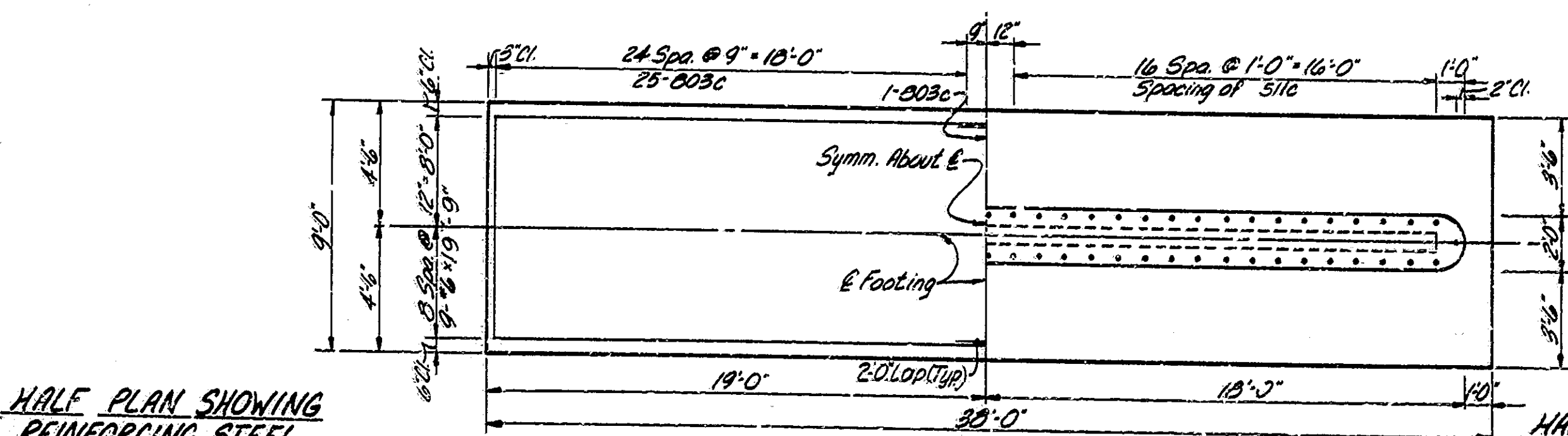
CAP PLAN
Scale: 1/4" = 1'-0"



HALF ELEVATION SHOWING CONCRETE DIMENSIONS

HALF ELEVATION SHOWING REINFORCING STEEL

ELEVATION
Scale: 1/4" = 1'-0"
Maximum Soil Pressure: 3.38 T/sq



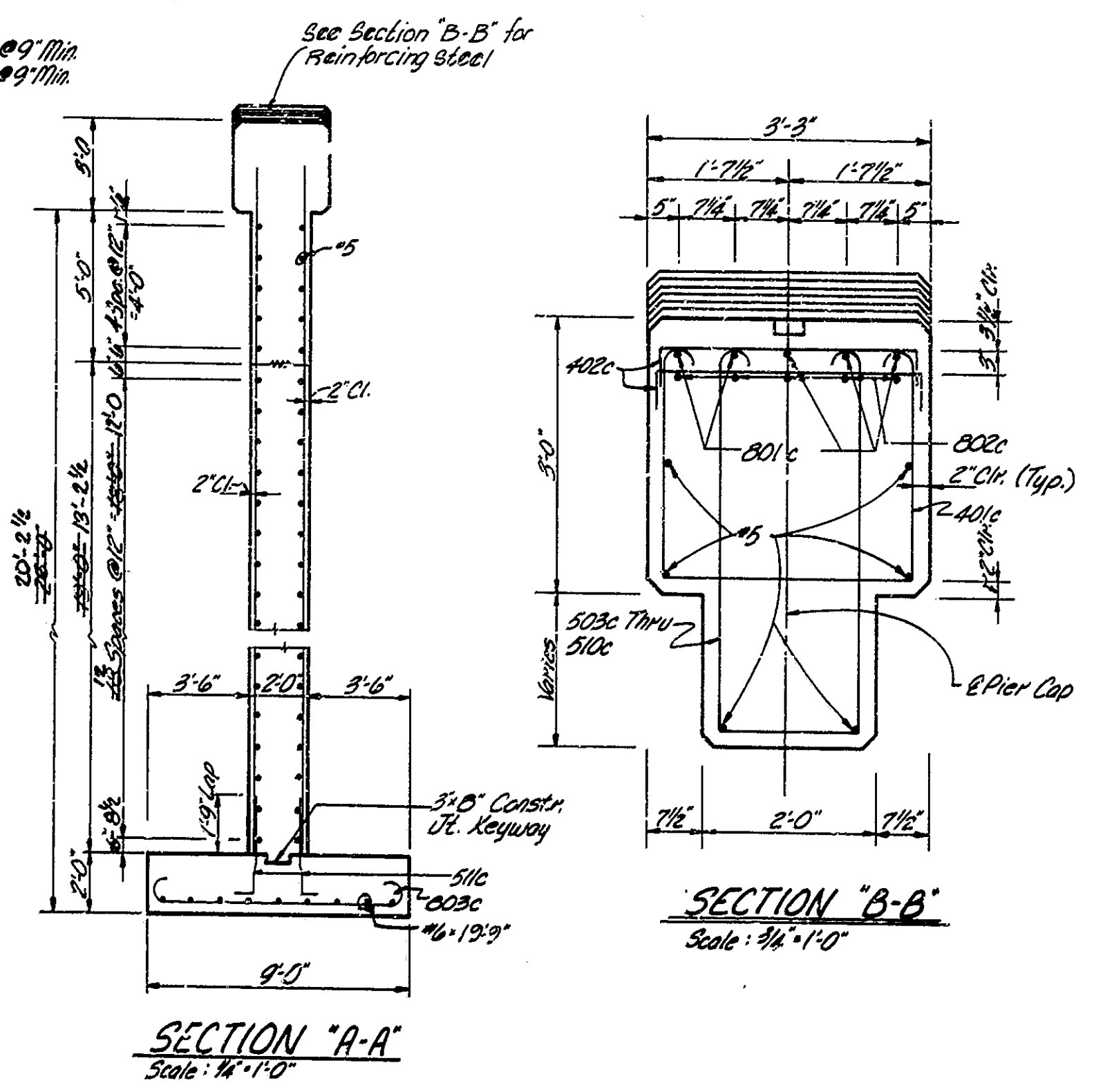
HALF PLAN SHOWING REINFORCING STEEL

HALF PLAN SHOWING NEAT LINES AND VERTICAL STEEL EXTENDING INTO FOOTING

FOOTING PLAN
Scale: 1/4" = 1'-0"

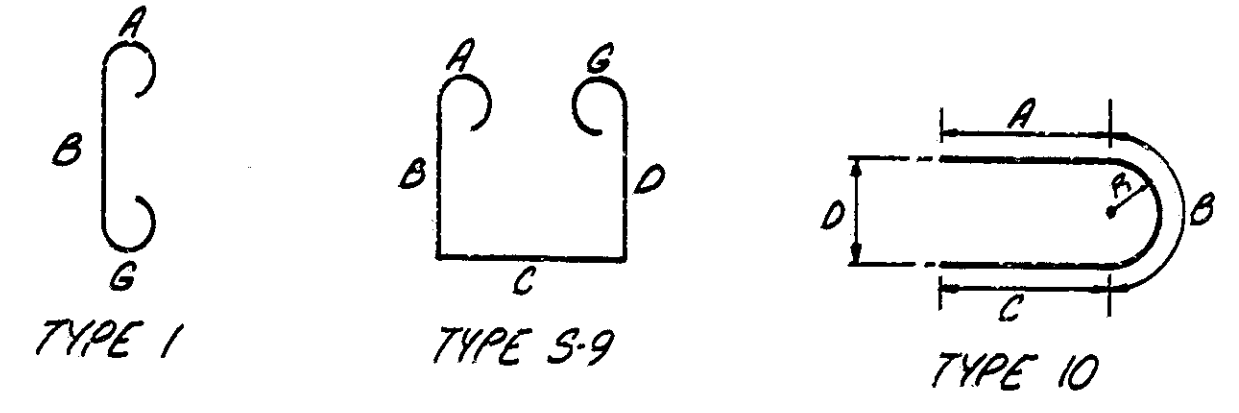
BAR BENDING TABLE							
Mark	Length	Type	A	B	C	D	G R
801c	29'-0"	1	12'	28'0"			
802c	13'-6"	1	12'	12'-6"			
803c	10'-6"	1	12'	8'-6"			12'
501c	6'-0"	10	1'-8"	2'-8"	1'-8"	1'-8"	10'
502c	17'-2"	5-9	7'	7'-2"	1'-8"	7'-2"	7'
503c	16'-2"	5-9	7'	6'-8"	1'-8"	6'-8"	7'
504c	15'-2"	5-9	7'	6'-2"	1'-8"	6'-2"	7'
505c	14'-2"	5-9	7'	5'-8"	1'-8"	5'-8"	7'
506c	13'-2"	5-9	7'	5'-2"	1'-8"	5'-2"	7'
507c	12'-2"	5-9	7'	4'-8"	1'-8"	4'-8"	7'
508c	11'-2"	5-9	7'	4'-2"	1'-8"	4'-2"	7'
509c	10'-2"	5-9	7'	3'-8"	1'-8"	3'-8"	7'
510c	9'-2"	5-9	7'	3'-2"	1'-8"	3'-2"	7'
511c	4'-3"	17	-	10'	3'-5"	-	-
401c	9'-1"	5-9	6'	2'-7"	2'-7"	2'-7"	6'
402c	3'-11"	17	6'	2'-11"	6'	-	-

BILL OF MATERIALS			
REINFORCING STEEL			
PIER NO. 2			
Mark or Size	Number of Bars	Length (FE)	Weight (LBS)
801c	1	29'-0"	
802c	1	13'-6"	
803c	1	10'-6"	
Total #8			2565
#6	18	19'-9"	
Total #6			534
501c	10	6'-0"	
502c	2	17'-2"	
503c	2	16'-2"	
504c	2	15'-2"	
505c	2	14'-2"	
506c	2	13'-2"	
507c	2	12'-2"	
508c	2	11'-2"	
509c	2	10'-2"	
510c	2	9'-2"	
511c	17	4'-3"	
#5	26	24'-0"	
#5	0	27'-9"	
#5	4	26'-8"	
#5	4	25'-0"	
#5	4	23'-5"	
#5	72	20'-9"	
#5	4	21'-3"	
#5	4	19'-0"	
#5	4	10'-0"	
Total #5			3163
401c	37	9'-1"	
402c	79	3'-11"	
Total #4			431
Total Reinforcing Steel			7493
CONCRETE			
Class "A" Above		(CY)	
Constr. Joint No. 1			37.5
Class "B" Above			
Footings			34.0
Class "B" in Footings			25.3
Surface Seal			41 S.Ft



SECTION "A-A"
Scale: 1/4" = 1'-0"

SECTION "B-B"
Scale: 1/4" = 1'-0"



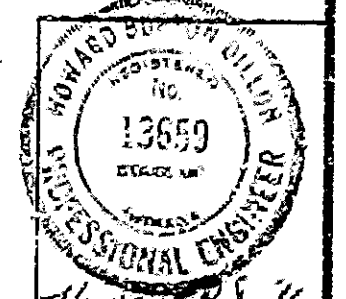
BAR BENDING DETAILS
No Scale

PIER NO. 3 DETAILS

INDIANA STATE HIGHWAY COMMISSION

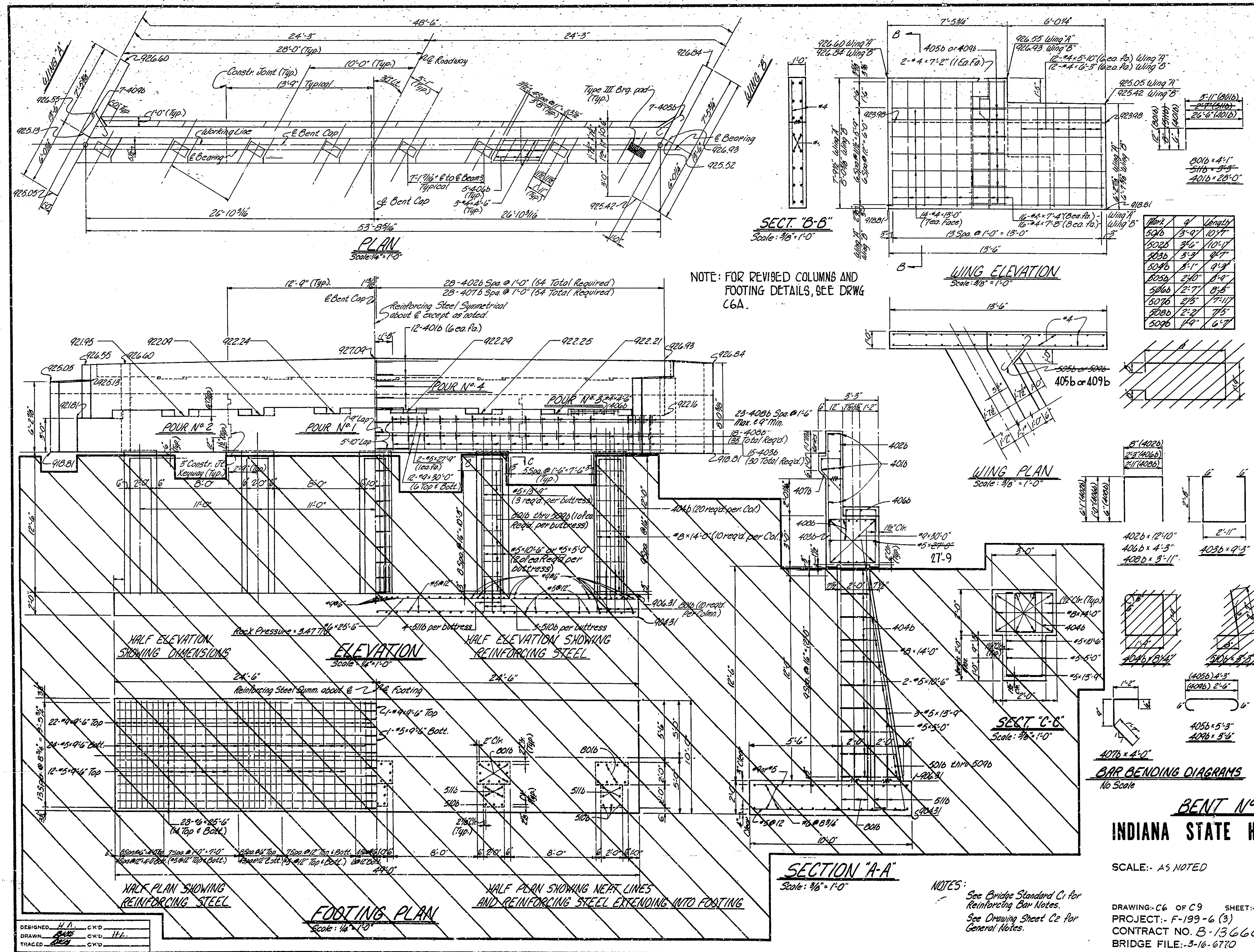
SCALE: AS NOTED DATE: 5-11-81

DRAWING: 05 OF C9 SHEET: 11 OF 53
PROJECT: F-199-6(13)
CONTRACT NO. B-13660
BRIDGE FILE: 3-16-6770



DESIGNED: H.A. C.W.D.
DRAWN: H.A. C.W.D.
TRACED: H.A. C.W.D.

Rev. 4-20-85: Bottom of Footing Elev., Quantities
Rev. 7-26-82: Surface Seal



PARTIAL BILL OF MATERIALS (SEE DRWG. CGA FOR ADDITIONAL BILL) REINFORCING STEEL

Size & Bar Number	No. of Bars	Length	Weight
#9	24	28'-0"	2.118
#9	45	4'-6"	1.992
Total #9 Bars			4.110
#8	59	4'-4"	2.414
#8	59	14'-0"	2.414
Total #8 Bars			4.828
#6	56	25'-6"	2.145
#6	56	14'-0"	2.145
Total #6 Bars			4.290
#5	5	10'-7"	0.116
#5	5	10'-4"	0.116
#5	5	10'-2"	0.116
#5	5	8'-9"	0.116
#5	5	8'-7"	0.116
#5	5	8'-5"	0.116
#5	5	7'-11"	0.116
#5	5	7'-5"	0.116
#5	5	6'-7"	0.116
#5	5	6'-3"	0.116
#5	5	5'-9"	0.116
#5	5	5'-5"	0.116
Total #5 Bars			1.16
Total #4 Bars			2.197
Total Reinforcing Steel			12.958
Concrete			8761

BENT NO. 4 DETAILS

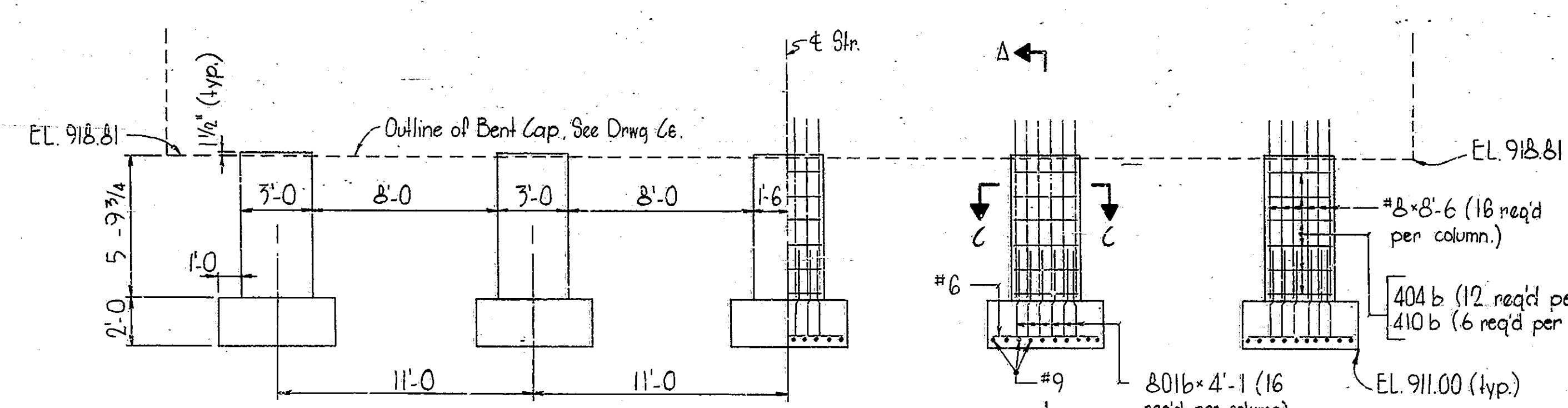
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED DATE: 5-11-81

NOTES:
 See Bridge Standard C1 for Reinforcing Bar Notes.
 See Drawing Sheet C2 for General Notes.

DRAWING: C6 OF C9 SHEET: 12 OF 53
 PROJECT: F-199-6 (3)
 CONTRACT NO. B-13660
 BRIDGE FILE: 3-16-6770

DESIGNED: H.D. CKD
 DRAWN: CKD
 TRACED: CKD

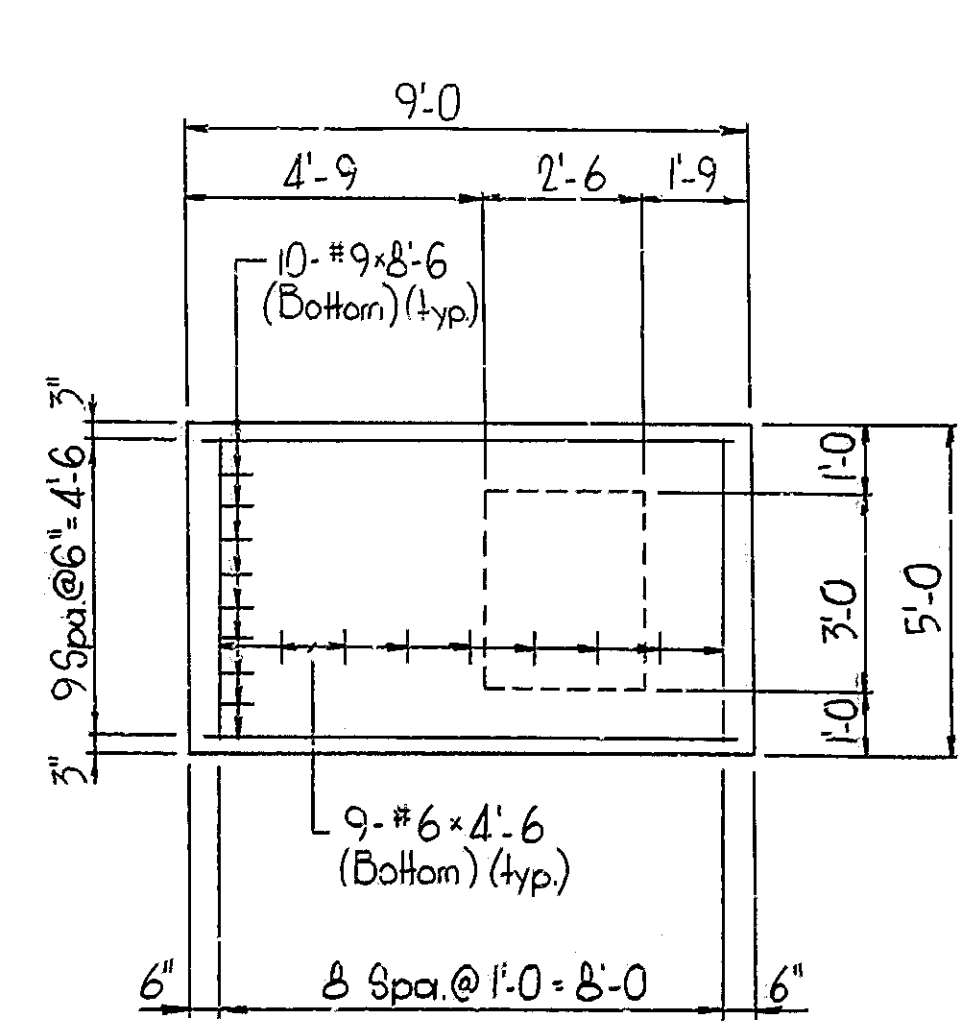


Max. Rock Pressure = 3 ton/sft.
Half Elevation showing Dimensions

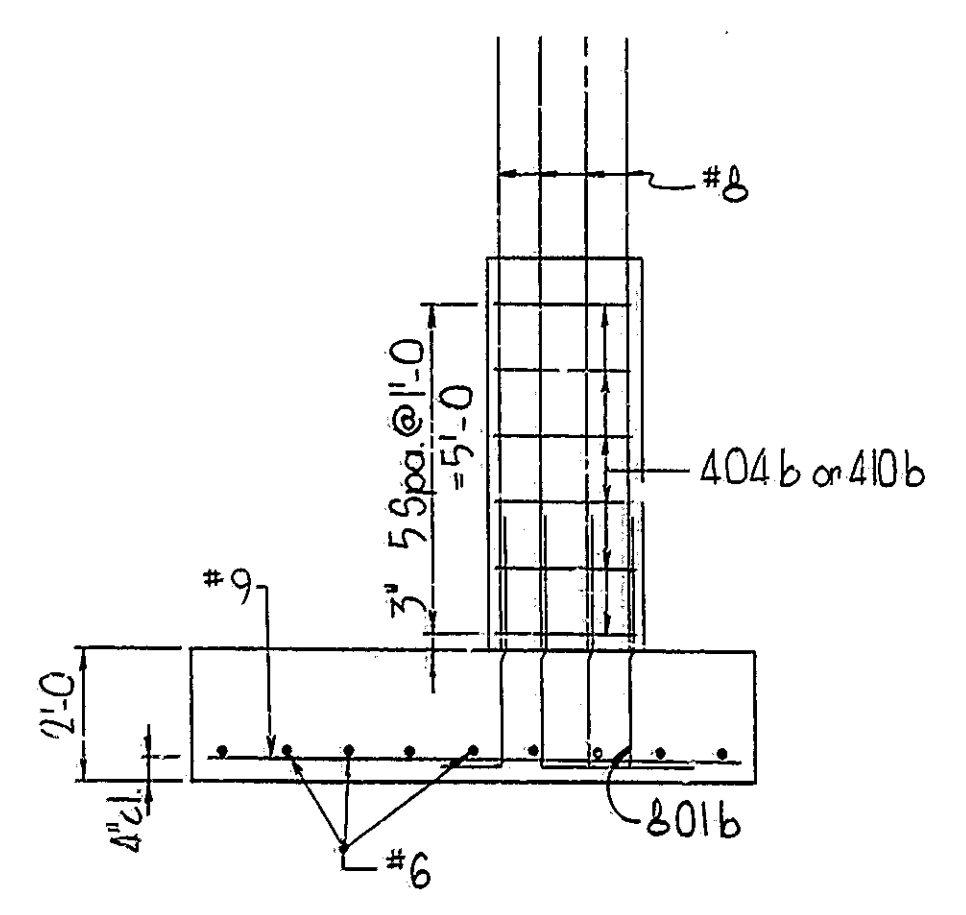
Half Elevation showing Reinforcing Steel

ELEVATION
Scale: 1/4" = 1'-0"

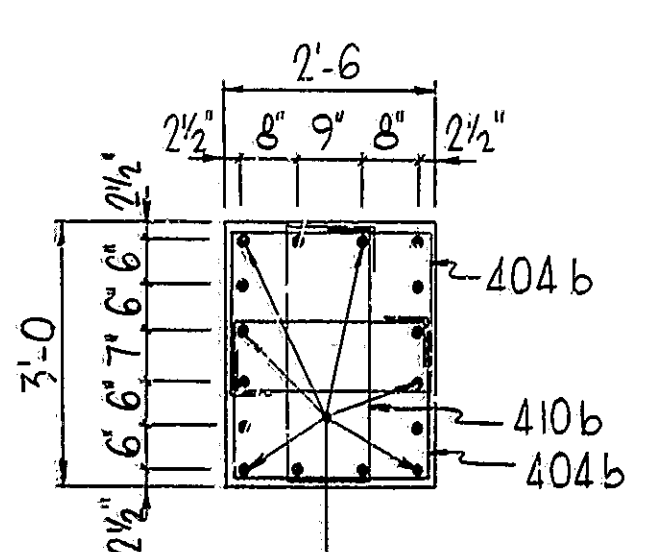
NOTE: For Bent No. 4 Details and additional information, see Drwg. Co, Sheet No. 12.



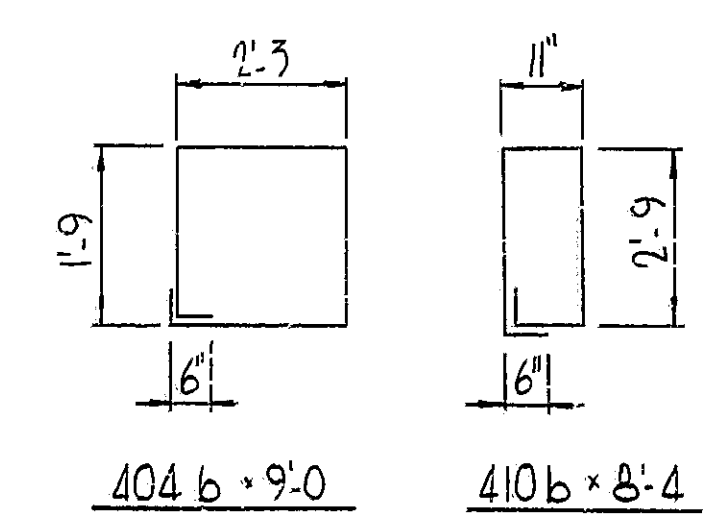
FOOTING PLAN
Scale: 3/8" = 1'-0"



SECTION A-A
Scale: 3/8" = 1'-0"



SECTION C-C
Scale: 3/8" = 1'-0"



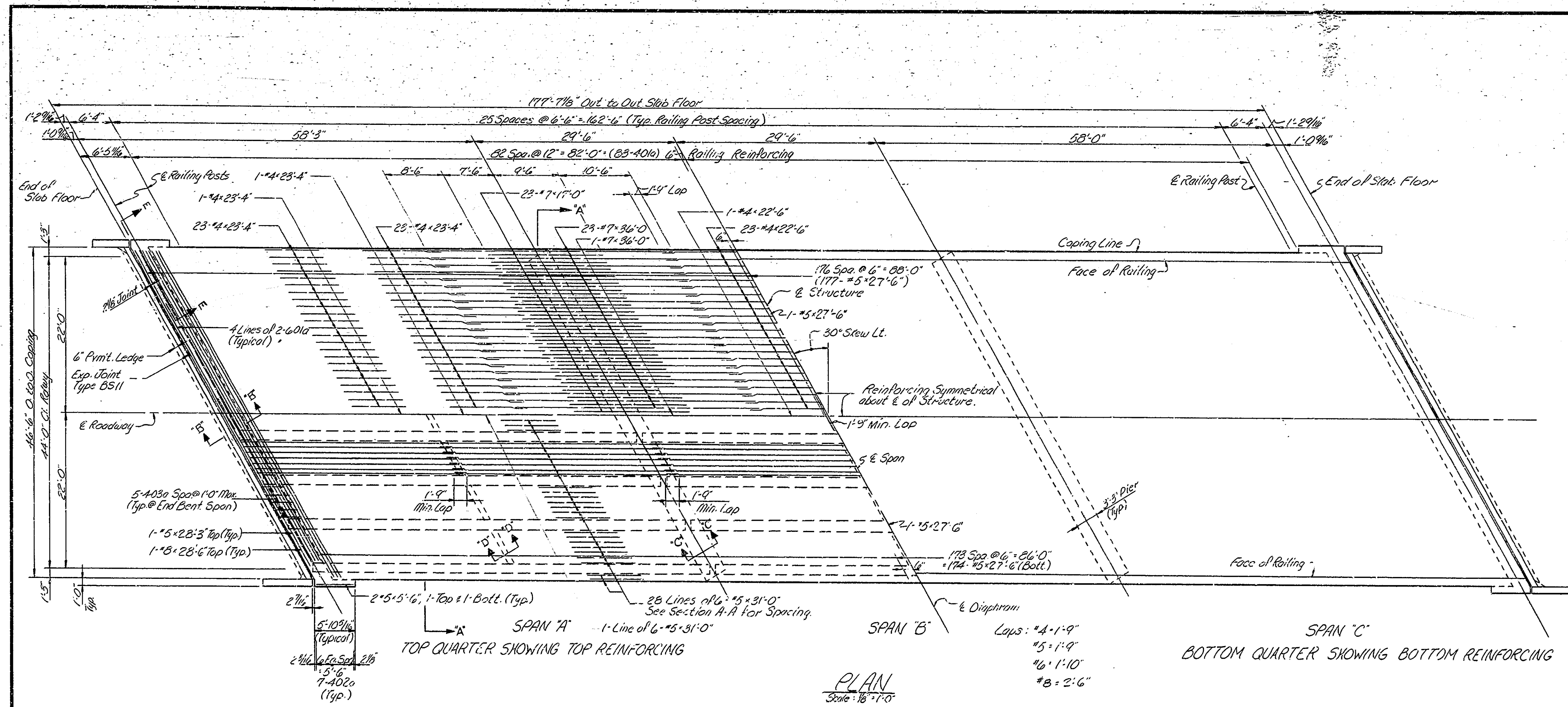
BILL of MATERIALS			
REINFORCING		STEEL	
MARK & SIZE	No. of BARS	LENGTH	WEIGHT
#9	50	8'-6	
TOTAL #9			1445
#8	80	4'-1	
#8	80	8'-6	
TOTAL #8			2688
#6	45	4'-6	
TOTAL #6			304
404 b	60	9'-0	
410 b	30	8'-4	
TOTAL #4			528
TOTAL REINFORCING STEEL			4965
CONCRETE			
Class A Concrete in Columns			8.3 cys
Class B Concrete in Footings			16.7 cys
SUMMARY			
TOTAL REINFORCING STEEL:			
4761 + 4965 =			9726
TOTAL CLASS A CONCRETE:			
41.4 + 8.3 =			49.7 cys

BENT No. 4 ADDITIONAL DETAILS
INDIANA DEPARTMENT OF HIGHWAYS

SCALE: - As Noted DATE: - 4-20-83

DESIGNED: J.W. 4/83 C.K.S. J.O. 4/83
DRAWN: R.P. 4/83 C.K.S. J.O. 4/83
TRACED: _____
DRAWING: C6A OF C9 SHEET: 12A OF 53
PROJECT: - F-199-6 (3)
CONTRACT NO. B-13660
BRIDGE FILE: - 3-16-6770

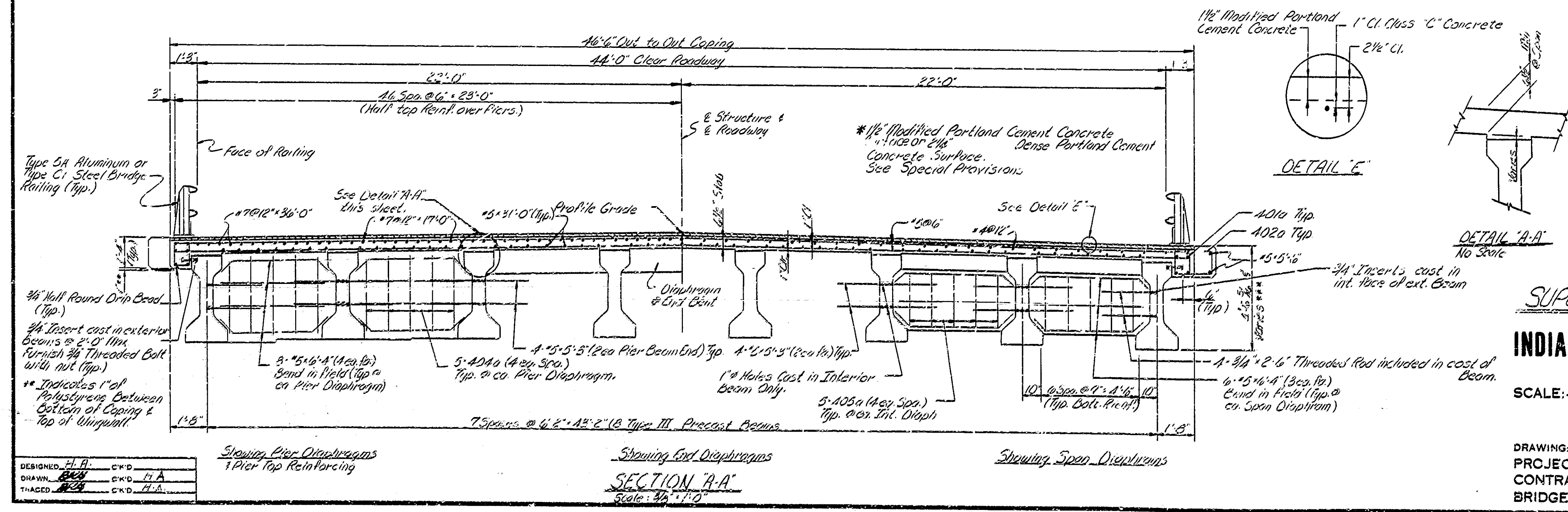
DESIGNED: J.W. 4/83 C.K.S. J.O. 4/83
DRAWN: R.P. 4/83 C.K.S. J.O. 4/83
TRACED: _____



BILL OF MATERIALS
SUPERSTRUCTURE
SPANS A, B & C

REINFORCING STEEL			
Mat'l Size	Number of Bars	Length (Ft.)	Weight (lbs.)
#3	4	22.3	
Total #3			354
#7	94	36.0	
#7	92	17.0	
Total #7			10,114
#010	16	32.3	
Total #6			775
#5	4	28.3	
#5	1403	27.6	
#5	342	31.0	
#5	238	6.4	
#5	8	5.6	
#5	120	5.3	
Total #5			5,323.6
4010	332	3.6	
4020	28	4.6	
4030	70	7.6	
4040	70	12.2	
4050	105	6.1	
#4	185	23.4	
#4	47	22.6	
Total #4			3,843
Total Steel			70,872

CONCRETE	
Class C Concrete in Pier	
Pour No. 1: 2 @ 60.6	= 121.2 CYB
Pour No. 2: 2 @ 28.4	= 56.8 CYB
Pour No. 3: 2 @ 28.4	= 56.8 CYB
Span Diaphragm: 3 @ 20.1	= 60.3 CYB
Total Class C Concrete	= 245.1 CYB
MISCELLANEOUS	
Type 5A or C Bridge Railing	= 356 Lin. Ft.
Blasting and Cleaning	= 917.6 SYB
Bridge Deck Surface	= 917.6 SYB
Finishing and Curbing	= 917.6 SYB
Type B511 Expansion Joint	= 112.6 Lin. Ft.
Type III Prestressed Gms. 2 @ 28.4 @ 20.1	= 150.8 S. Ft.



NOTE: See Bridge Std. C1 for Reinforcing Bar Notes
See Drawg. Sheet C2 for General Notes
See Drawg. Sheet C4 for Sections 'A', 'B', 'C' & 'D'

DESIGN DATA

Designed for HS 20-44 Loading with distribution of loads in accordance with AASHTO Specifications, with intervals for 1978 and 1979 Spans. Designed for 35' 0" future wearing surface.
Poured in place concrete; Ks = 20,000 #/sq. in.; 1200 #/cu. ft.
Prestressed Members: See Drawg. Sheet C4, PB 1
Base on 24" Dia. Pier (Concrete Surface)

SUPERSTRUCTURE DETAILS

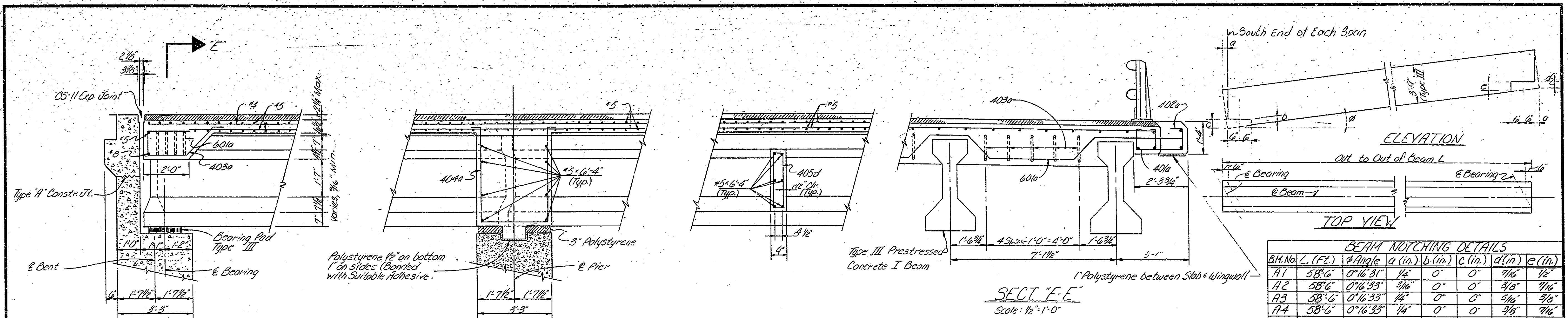
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED DATE: 5-11-81

DESIGNED: H. A. CKD
DRAWN: B. J. CKD
CHECKED: H. A. CKD

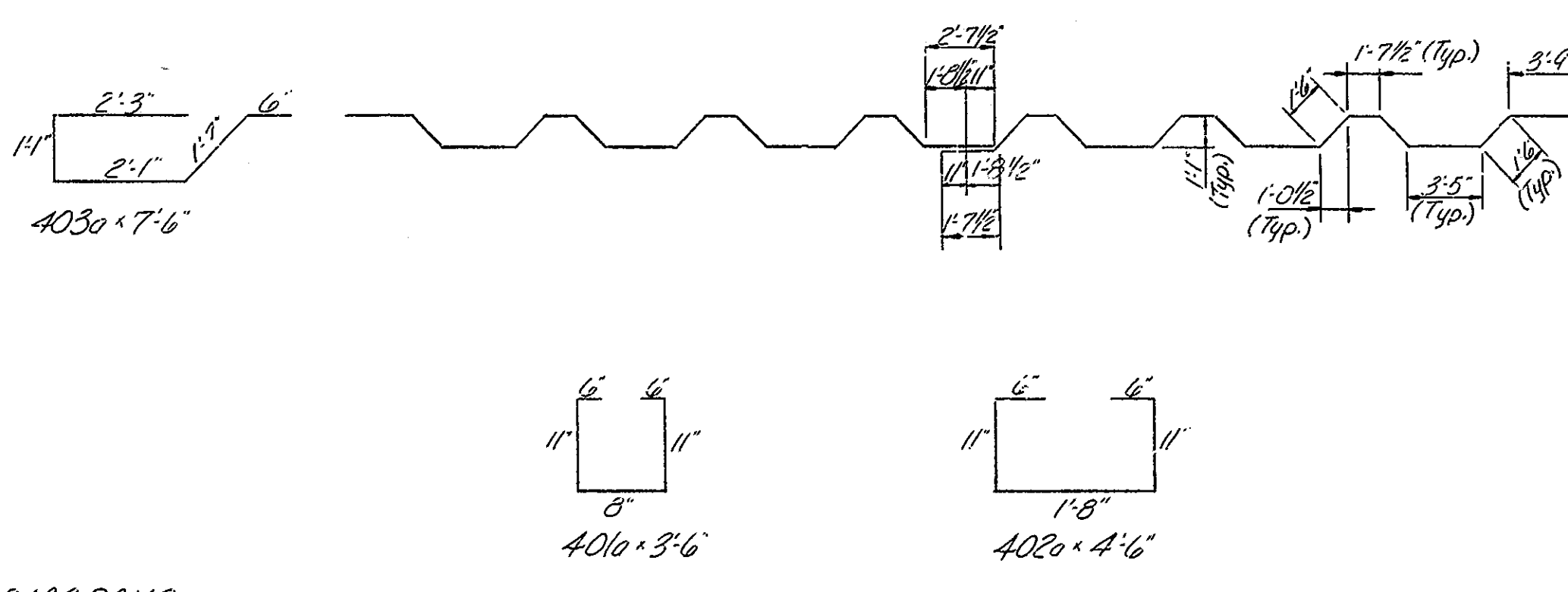
DRAWING: C7 OF C9 SHEET: 13 OF 53
PROJECT: F-199-6(3)
CONTRACT NO. B-13660
BRIDGE FILE: 3-16-6770

13659
STATE OF INDIANA
APR 1981

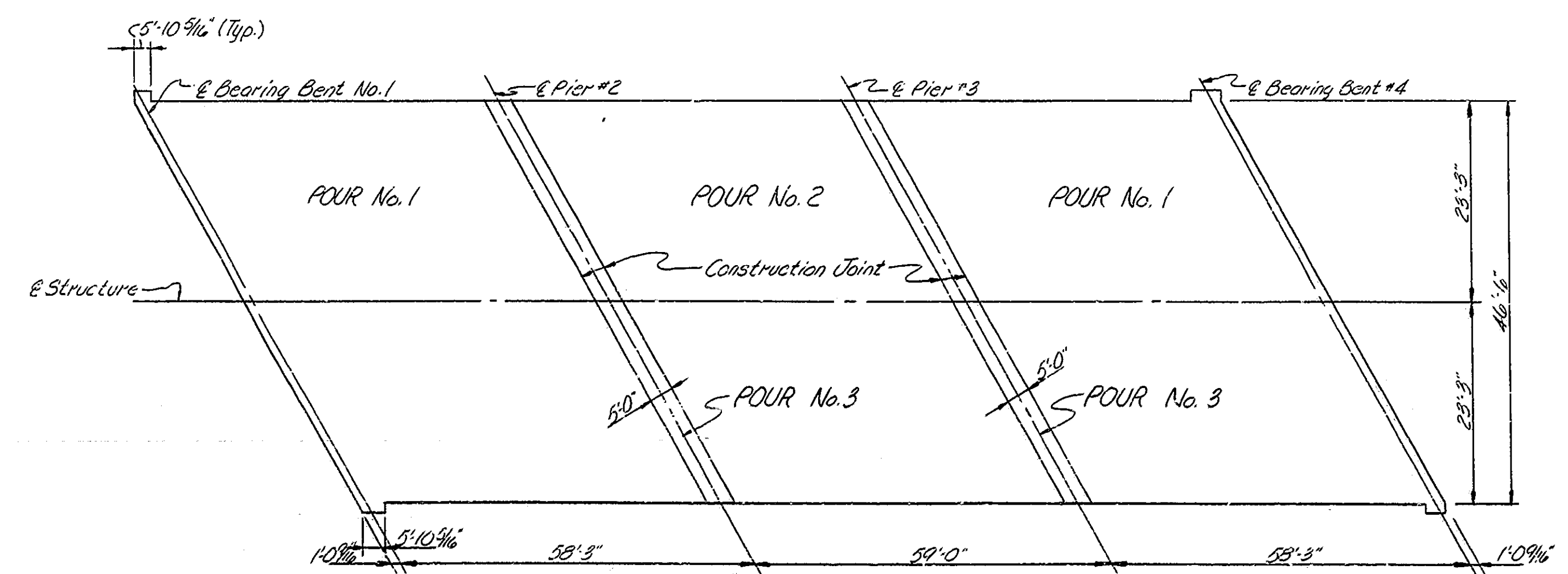


BEAM NOTCHING DETAILS

BM No.	L (FE)	Angle	a (in)	b (in)	c (in)	d (in)	e (in)
A1	58'-6"	0°16'31"	14"	0"	0"	7 1/2"	1 1/2"
A2	58'-6"	0°16'33"	3 1/2"	0"	0"	3 1/2"	7 1/2"
A3	58'-6"	0°16'33"	14"	0"	0"	5 1/2"	3 1/2"
A4	58'-6"	0°16'33"	14"	0"	0"	3 1/2"	7 1/2"
A5	58'-6"	0°16'33"	14"	0"	0"	5 1/2"	3 1/2"
A6	58'-6"	0°16'33"	14"	0"	0"	7 1/2"	1 1/2"
A7	58'-6"	0°16'33"	3 1/2"	0"	0"	7 1/2"	1 1/2"
A8	58'-6"	0°16'33"	14"	0"	0"	7 1/2"	7 1/2"
B1	58'-6"	0°18'59"	14"	5 1/2"	2 1/2"	7 1/2"	7 1/2"
B2	58'-6"	0°19'36"	14"	14"	5 1/2"	3 1/2"	7 1/2"
B3	58'-6"	0°20'14"	14"	14"	5 1/2"	1 1/2"	9 1/2"
B4	58'-6"	0°21'02"	14"	3 1/2"	3 1/2"	1 1/2"	5 1/2"
B5	58'-6"	0°21'52"	5 1/2"	14"	5 1/2"	1 1/2"	9 1/2"
B6	58'-6"	0°22'46"	5 1/2"	5 1/2"	7 1/2"	7 1/2"	1 1/2"
B7	58'-6"	0°23'44"	5 1/2"	5 1/2"	3 1/2"	1 1/2"	9 1/2"
B8	58'-6"	0°24'43"	5 1/2"	5 1/2"	3 1/2"	1 1/2"	9 1/2"
C1	58'-6"	0°25'44"	7 1/2"	5 1/2"	7 1/2"	5 1/2"	7 1/2"
C2	58'-6"	0°26'46"	7 1/2"	14"	3 1/2"	1 1/2"	3 1/2"
C3	58'-6"	0°28'04"	1 1/2"	5 1/2"	7 1/2"	1 1/2"	3 1/2"
C4	58'-6"	0°29'13"	1 1/2"	4 1/2"	1 1/2"	1 1/2"	3 1/2"
C5	58'-6"	0°30'22"	1 1/2"	5 1/2"	7 1/2"	1 1/2"	3 1/2"
C6	58'-6"	0°31'32"	5 1/2"	14"	3 1/2"	3 1/2"	7 1/2"
C7	58'-6"	0°32'41"	4 1/2"	14"	7 1/2"	3 1/2"	1 1/2"
C8	58'-6"	0°33'51"	4 1/2"	14"	7 1/2"	1 1/2"	3 1/2"

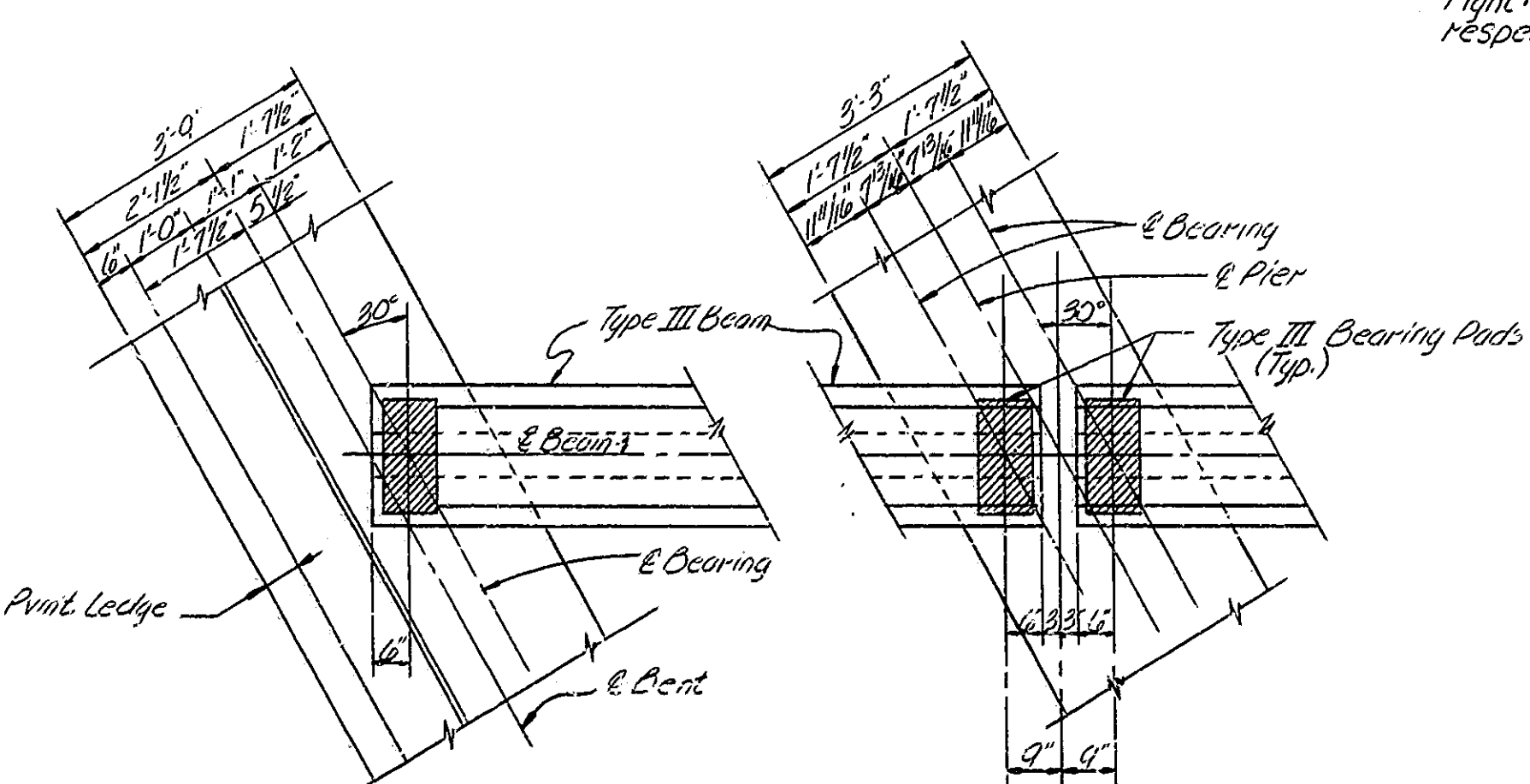


BAR BENDING DIAGRAMS
Not to Scale



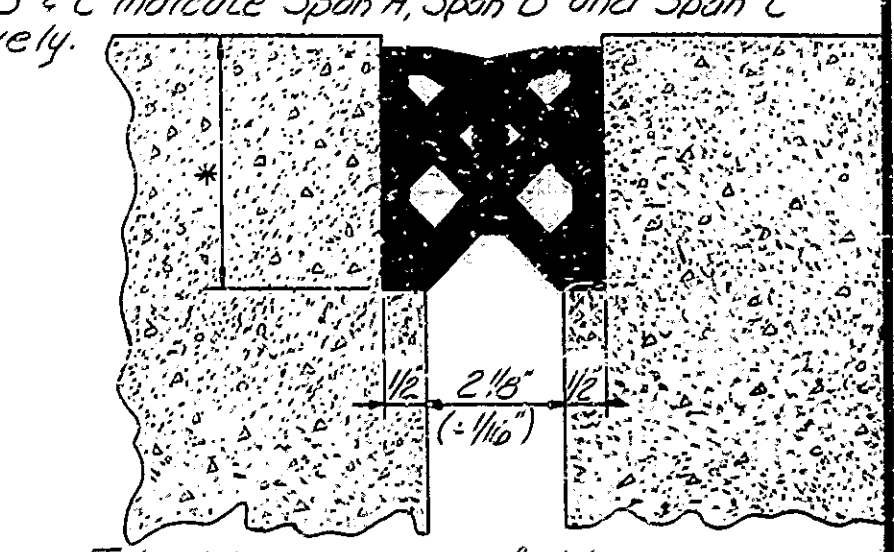
POUR DIAGRAM
Not to Scale

NOTE:
Pour Numbers indicate Sequence of pours. Pours over interior supports to be made last to reduce the effect of the Slab Dead Load in the negative moment area. Pour #3 will include the diaphragm at supports and will be held to a 5'-0" length. Span diaphragms to be poured before Slab is poured. End of Structure diaphragms to be poured with the Slab. The transverse construction joints may be eliminated subject to the approval of the Engineer.



DETAIL AT BENT
Scale: 1/2" = 1'-0"

DETAIL AT PIER
Scale: 1/2" = 1'-0"



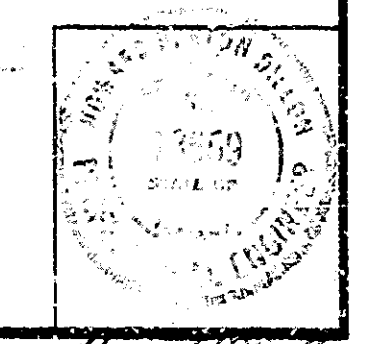
EXPANSION JOINT TYPE BS11
Not to Scale

SUPERSTRUCTURE DETAILS

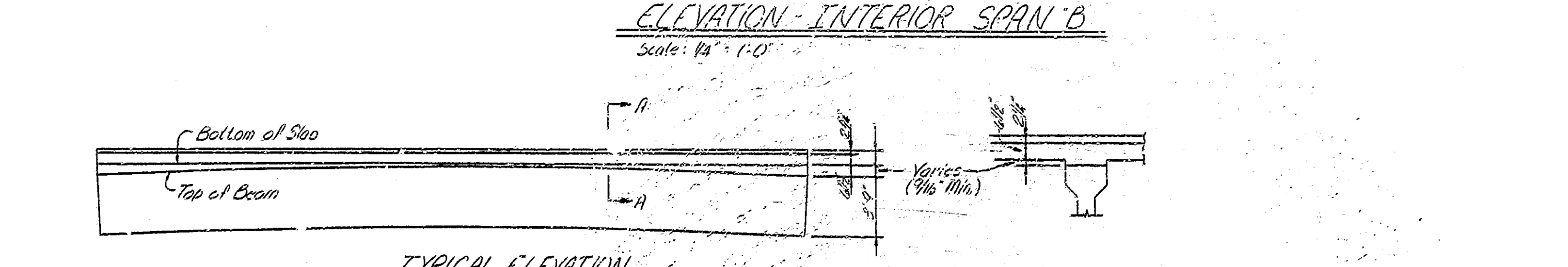
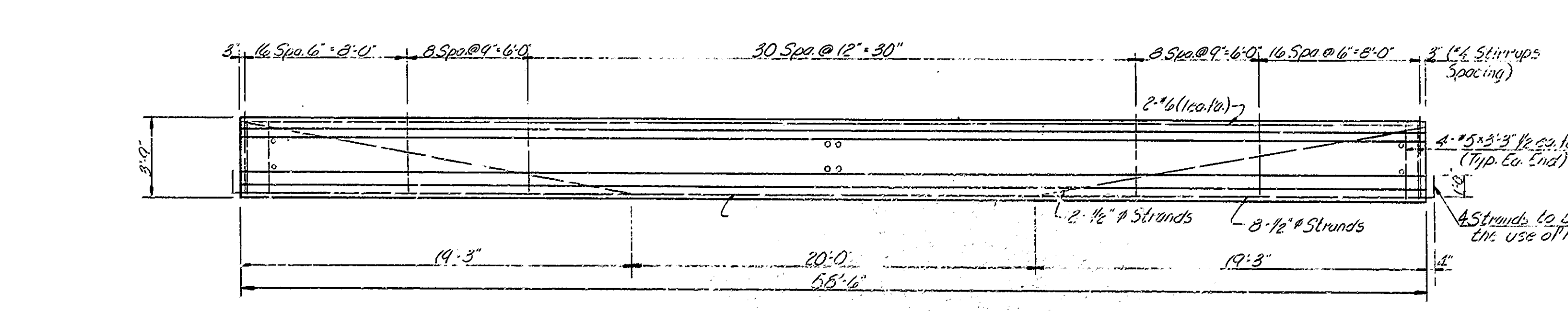
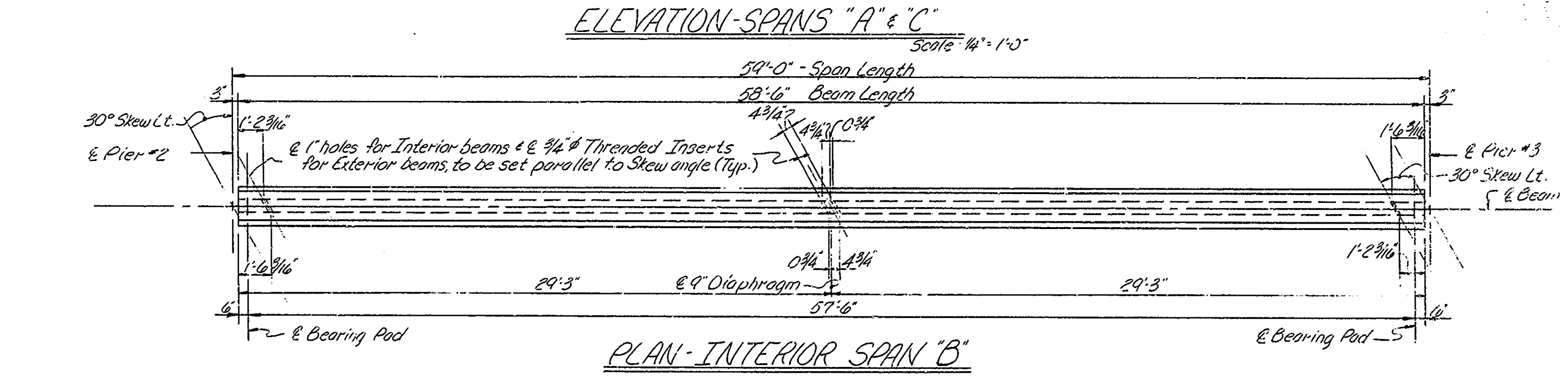
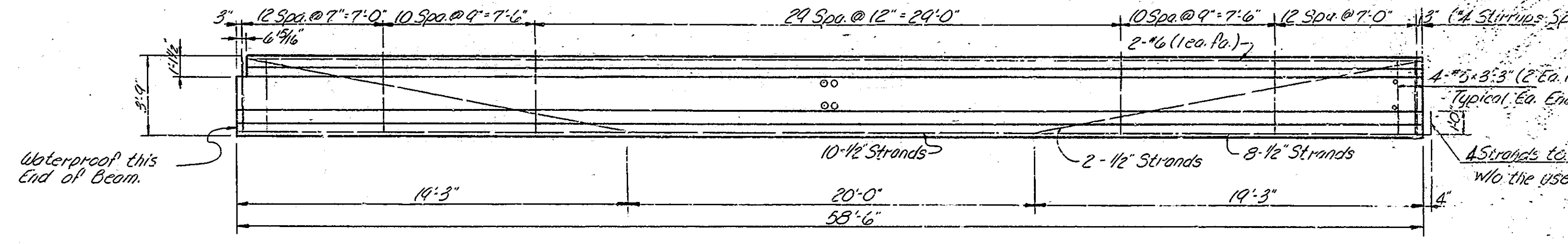
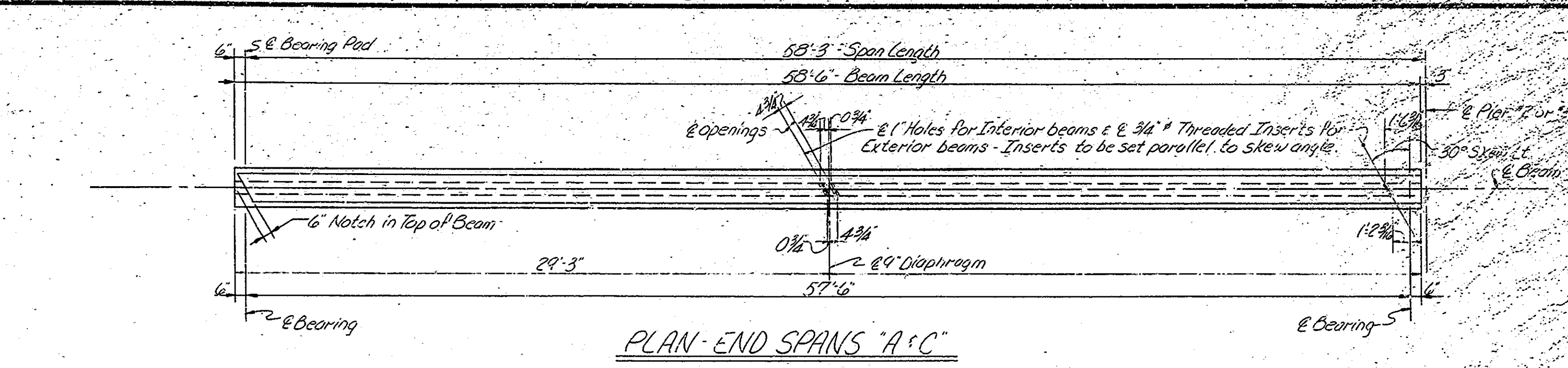
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED DATE: 5-11-81

DRAWING: CB OFCA SHEET: 14 OF 53
PROJECT: F-199-6(3)
CONTRACT NO. B-13660
BRIDGE FILE: 3-16-6770



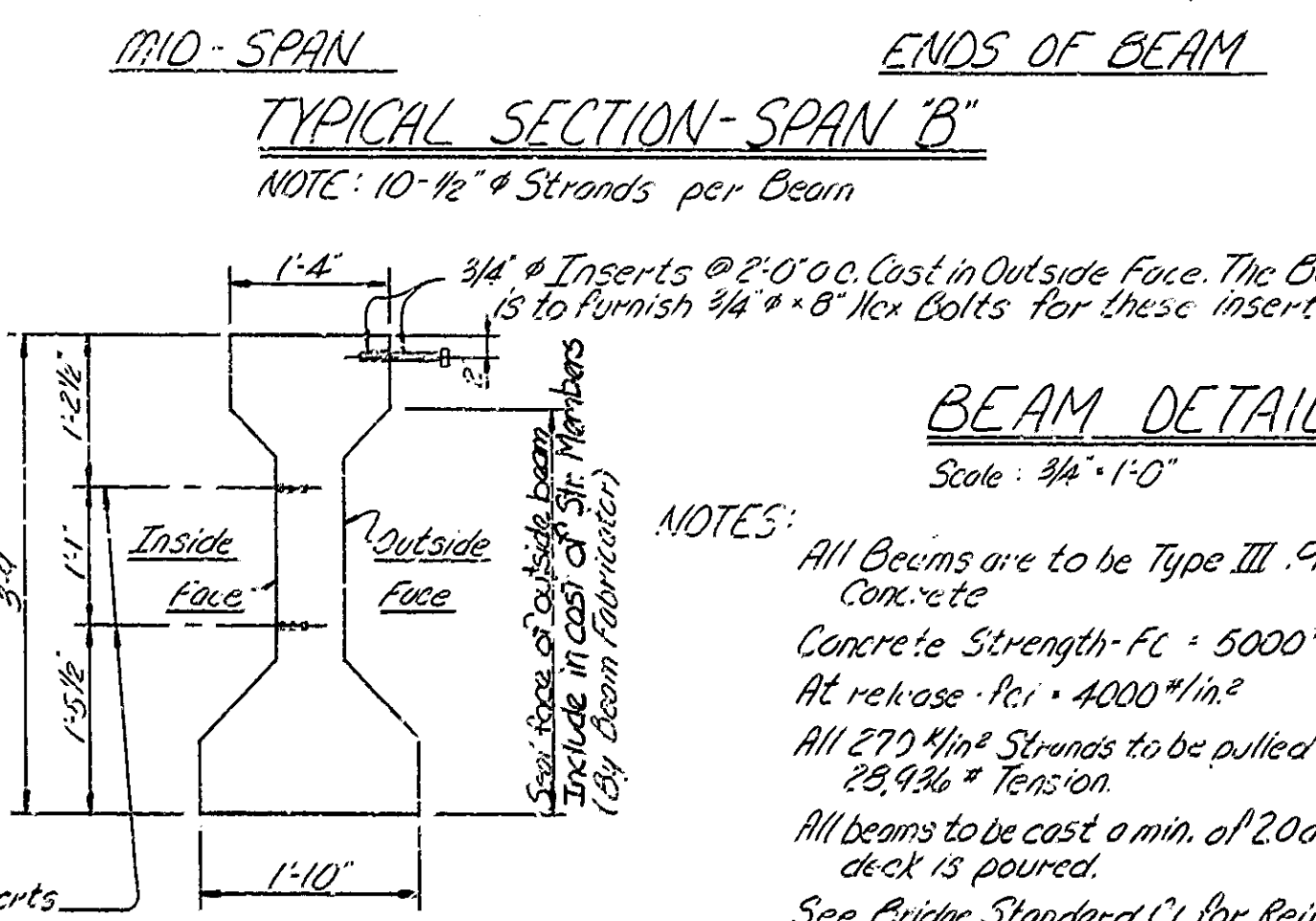
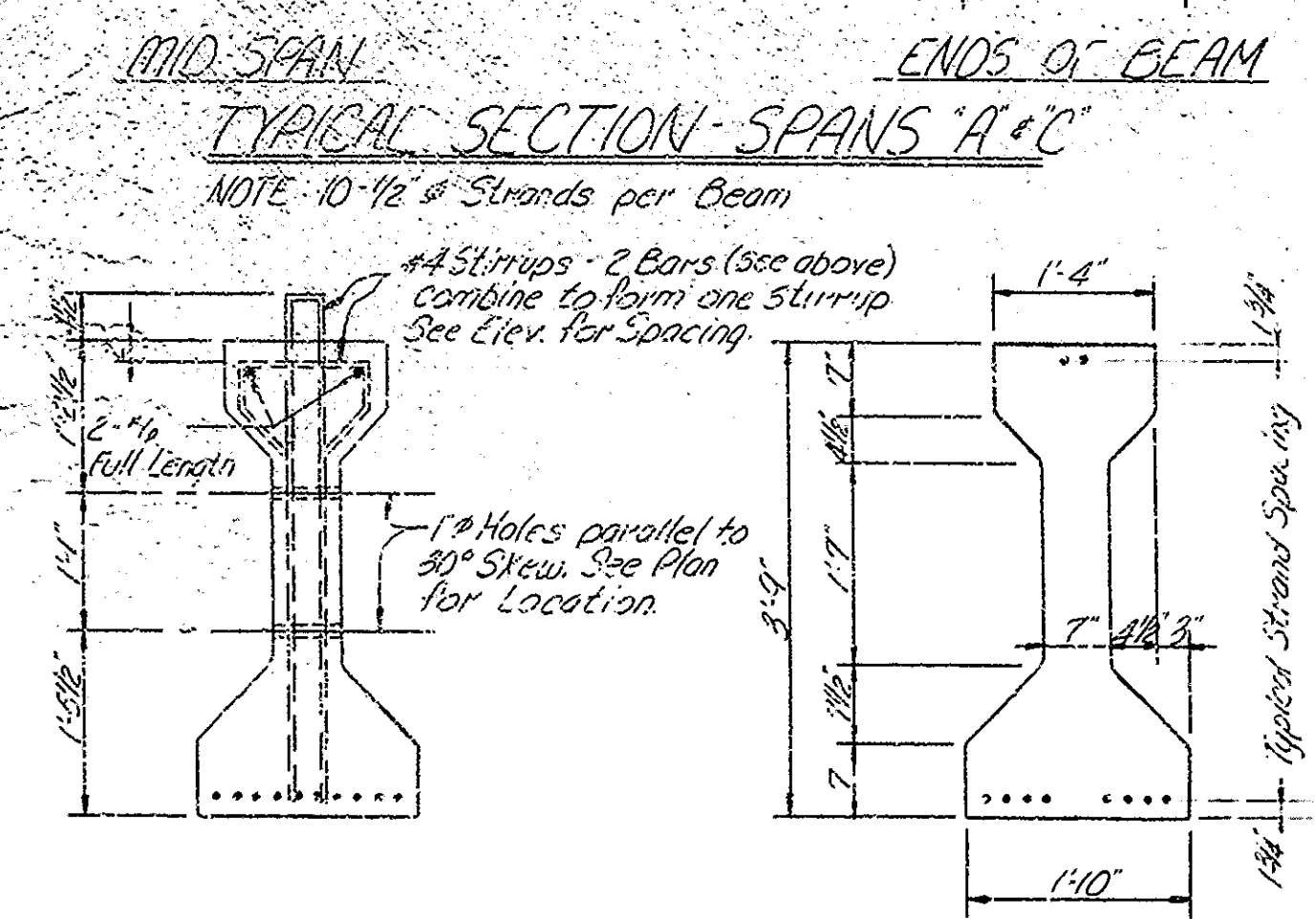
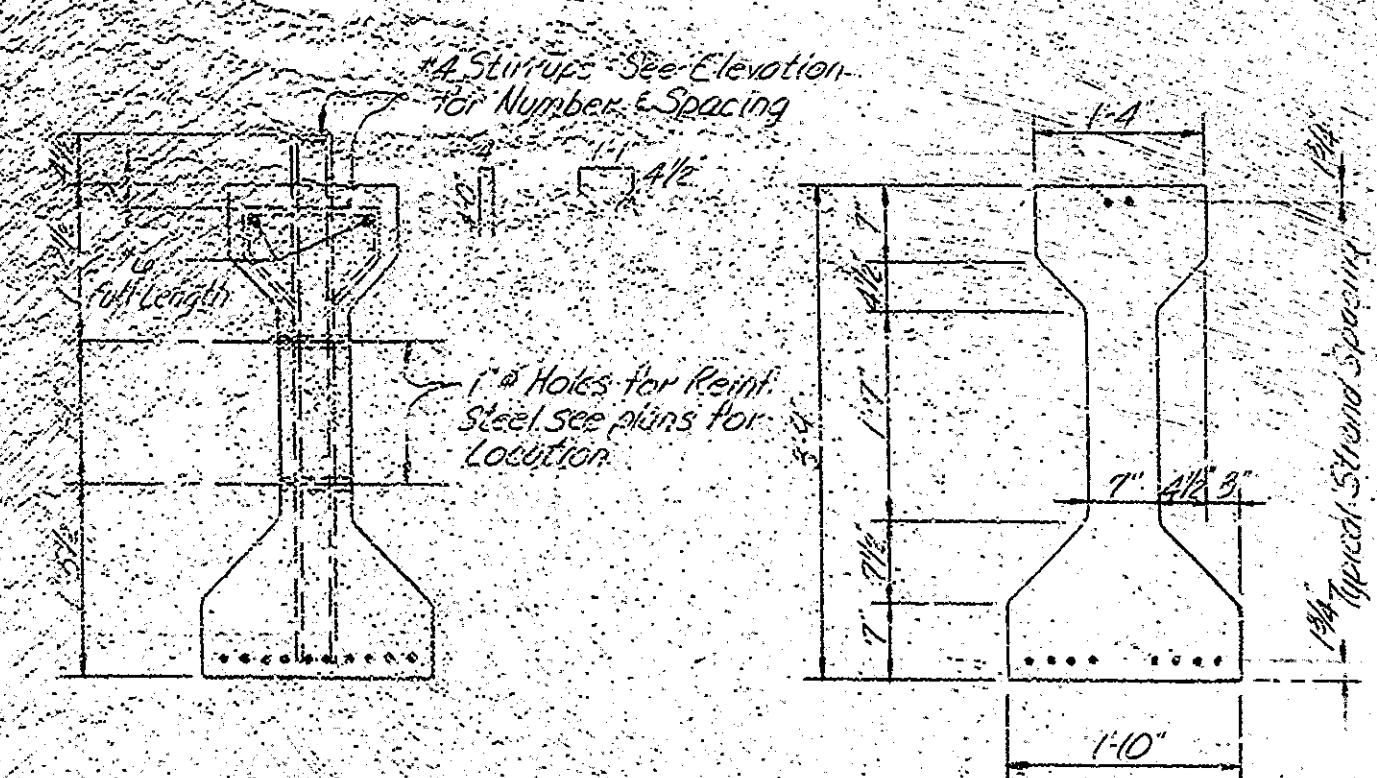
DESIGNED: <i>BA</i>	C.K.D.
DRAWN: <i>BA</i>	C.K.D.
TRACED: <i>BA</i>	C.K.D.



NOTE: Bridge Sect. Elevations are based on 2 1/4" Dense P.C.C. Surface and are calculated using Design Camber and Dead Load Deflection of Slab (Residual Beam Camber) with Top of Beam 1/16" below bottom of Slab Elevation at E of Span. Actual cambers which are greater than Design Cambers will be taken care of by permitting the Top of Beam to extend into the Slab (Maximum of 1/2") If the 1 1/2" M.P.C.C. Surface is used, the Fillet Heights are to be increased by 3/4".

BEAM CAMBER (INCHES)

SPAN	A	B	C
Initial	.3416	.3416	.3416
DL Defl.	.2652	.2656	.2652
Residual	.0764	.0760	.0764



BEAM DETAILS

Scale: 1/4" = 1'-0"

NOTES:

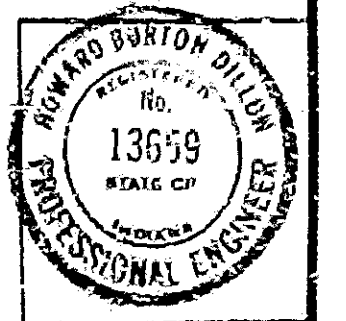
- All Beams are to be Type III, Prestressed Concrete
- Concrete Strength - $F_c = 5000 \text{ psi}$
- At release - $F_r = 4000 \text{ psi}$
- All 270 # Strands to be pulled to an initial 28,936 # Tension
- All beams to be cast a min. of 20 days before deck is poured.
- See Bridge Standard C1 for Reinforcing 1" dia.
- See Drawg No. for General Notes.
- See Br. Std. PB11 for Bearing Pads.
- See Br. Std. PB3 for other Beam Detail not shown on this sheet.

BEAM DETAILS

INDIANA STATE HIGHWAY COMMISSION

SCALE: AS SHOWN DATE: 5-11-81

DRAWING: C9 OF C9 SHEET: 15 OF 53
PROJECT: F-199-6(3)
CONTRACT NO. B-13660
BRIDGE FILE: 3-16-670



DESIGNED: H.A. CKD
DRAWN: CKD
TRACED: CKD

Main table titled 'BRIDGE FILE' containing columns for 'STRUCTURE' and 'QUANTITIES'. It details concrete and steel usage for various bridge components like Superstructure, Bent, and Abutment, including measurements in cubic yards and pounds, and quantities for different materials like rebar, steel plates, and timber.

Table titled 'APPROACH STRUCTURES' listing various bridge approaches. It includes columns for Structure No., Location, Size, Kind, Length, and Remarks. Specific entries include 'Sta. 22+50 Rt. Line A' and 'Sta. 21+30 Rt. Line A'.

Table titled 'APPROACH TABLE' providing detailed data for approach structures. Columns include Location, Description, Width, Radii, Grade, Length, Excavation, Bitum. Surface, Bitum. Binder, Bitum. Base, and Comp. Agg. Base.

Table titled 'PAVED SIDE DITCH & SODDING SUMMARY'. It summarizes paved side ditches and sodding work, including columns for Station, Type, Pay Length, Pay Length, Total Pay Length, For PSD, For Ditches, and Sodding (Sq. Yd.).

Table titled 'Underdrain Table' summarizing underdrain work. Columns include Location, 6" Group K Pipe, 6" Non-Perf. FBCCS Pipe, Location of Outlets, Remarks, Bends, Tees, Rip-rap, Sodding, and Delin. Post.

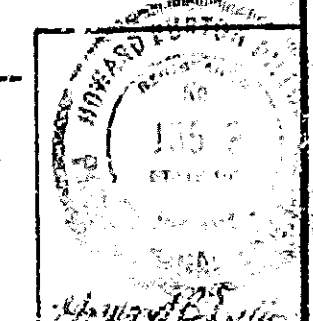
Table titled 'REVISIONS' showing a log of changes to the project. It includes columns for Date and Item, with entries such as '7-26-92 Surface Seal Added' and '4-10-85 Class A Concrete, Class B Concrete, Reinf. Steel'.

BRIDGE SUMMARY
INDIANA STATE HIGHWAY COMMISSION

DATE 5-11-81

SHEET 16 OF 53

PROJECT: F-199-513
CONTRACT NO: B-13660
BRIDGE FILE: 3-16-6770



NOVEMBER 1978
SUMMARIZED BY: C.V.D. H.A.
TRACED BY: C.V.D. H.A.

NOTES:
Weight of Spirals includes weight of 1/2 extra turns top and bottom.
Spacers and 1/2 turns at laps included in cost of Spiral.
*** The weight of structural steel is approximate only, and it shall be the Contractor's responsibility to determine the weight on which he bases his bid.
For Test Bar Samples See Bridge Standard C1.

