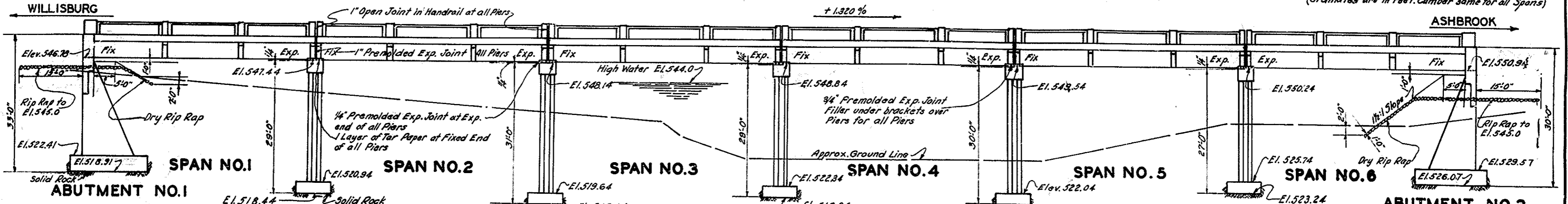
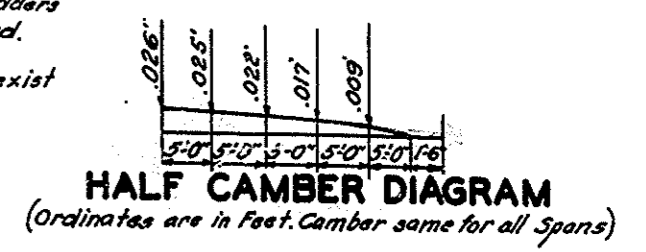


FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

**REFERENCES:** For details of 33'-0" R.C. Abutment No.1 see Sheet No.2 of this drawing.  
 For details of Piers No's 1,2,3,4,5 see Std. dr'wg. No. A-102  
 For details of 50'-0" R.C. Deck Girder Spans No's 1,2,3,4,5 & 6 see Std. dr'wg. No. G-219  
 For details of Handrail see Std. dr'wg. No. H-16  
 For details of Cast Iron drains & Exp. Plates see Std. dr'wg. No. G-250  
 For details of Copper Strips & Exp. Joint Filler see Std. dr'wg. No. 251  
 For details of 30'-0" R.C. Abutment No.2 see Sheet No.3 of this drawing

**GENERAL NOTE**  
**DESIGN LOAD:** Bridge designed for H-15 loading as specified in A.A.S.H.O. Specifications 1935.  
**CONCRETE:** Class "A" to be used thruout except in Handrail. Class "D" concrete to be used in Handrail.  
**REINFORCEMENT:** Dimension shown from face of concrete to steel is clear distance. Precast mortar or concrete blocks supporting reinforcement shall be spaced not further apart than 30 diameters of the supported bar.  
**WEARING SURFACE:** 1/4" monolithic wearing surface to be used and placed in accordance with specifications.  
**BEVELED EDGES:** All exposed edges shall be beveled 7/8" unless otherwise noted.  
**C.I. DRAINS-EXPANSION JOINT MATERIAL-COPPER STRIP-TAR PAPER:** The cost of these items to be included in the unit price bid for Class "A" concrete.  
**TAR PAPER:** To be commercial grade tar paper or roofing felt approx. 1/8" thick

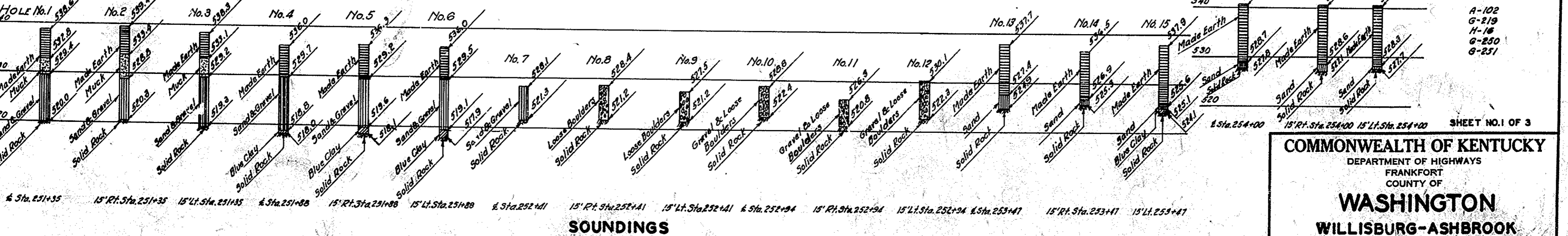
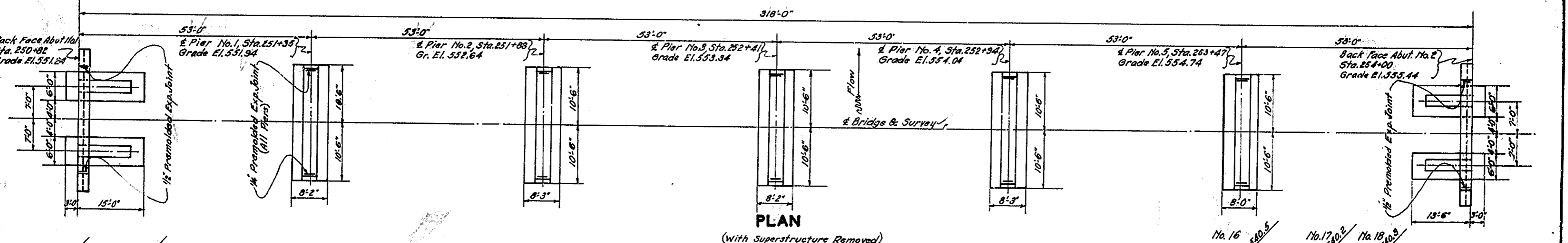
**FOUNDY NOTE:** All drains to be gray iron castings A.S.T.M. Specifications A-48-36 except that tensile & transverse tests are not required. Form T-521, report of field inspection of castings, is to be submitted to the Laboratory.  
**BORING DATA:** The subsurface data shown hereon was obtained by borings at the locations indicated and represents the best information available to the Department of Highways as to conditions existing at the site of the work. This data is furnished for information only and bidders must draw their own conclusions as to conditions to be encountered. The Dept. of Highways does not give any guarantee as to the accuracy of data furnished or as to conditions which will actually be found to exist when the work is being executed.



**TOTAL ESTIMATE OF QUANTITIES**

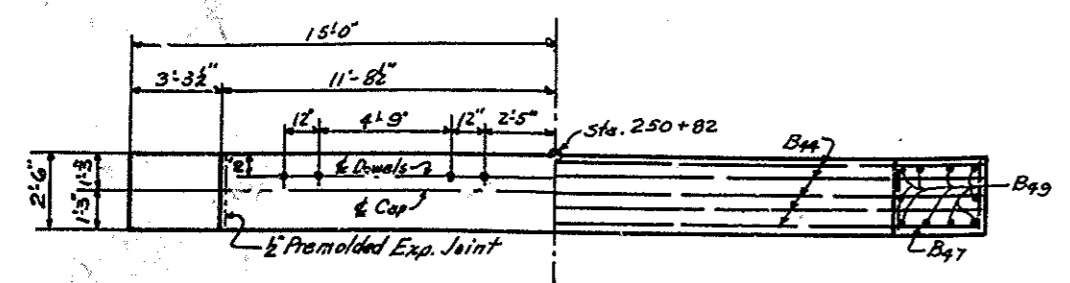
Concrete, C.I. "A"	973.6 Cu. Yds.
Concrete, C.I. "D"	34.6 Cu. Yds.
Reinforcement	173,830 Lbs.
Bronze, C.I. "B"	2520 Lbs.
Structure Excavation (Unclassified)	1800 Cu. Yds.
Dry Rip Rap	230 Sq. Yds.

Note: The Fill Material shall be placed simultaneously in front & back of each abutment in accordance with Amendment No. 24. Each Layer shall be thoroughly tamped.

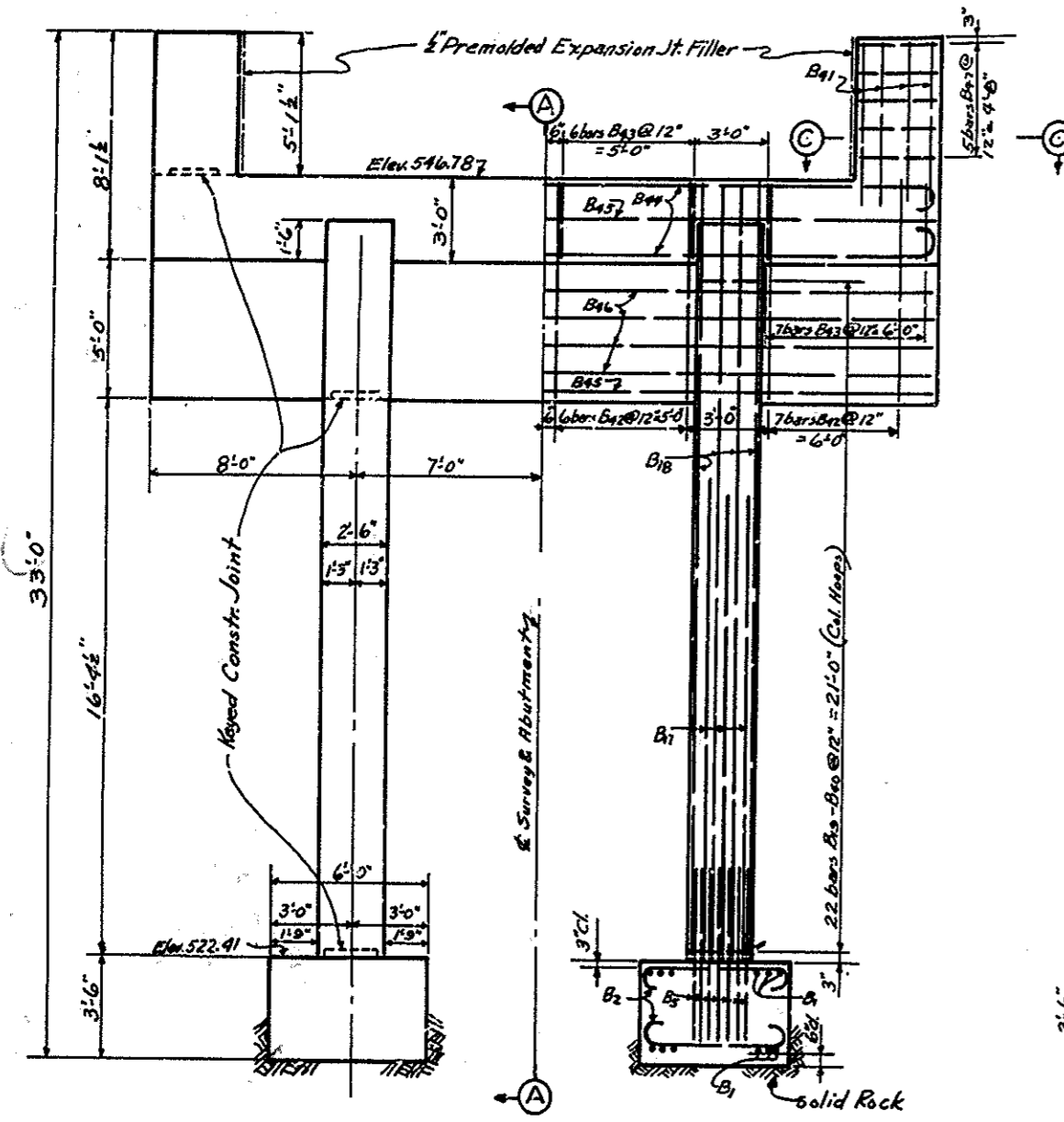


**BRIDGE OVER CHAPLIN RIVER**

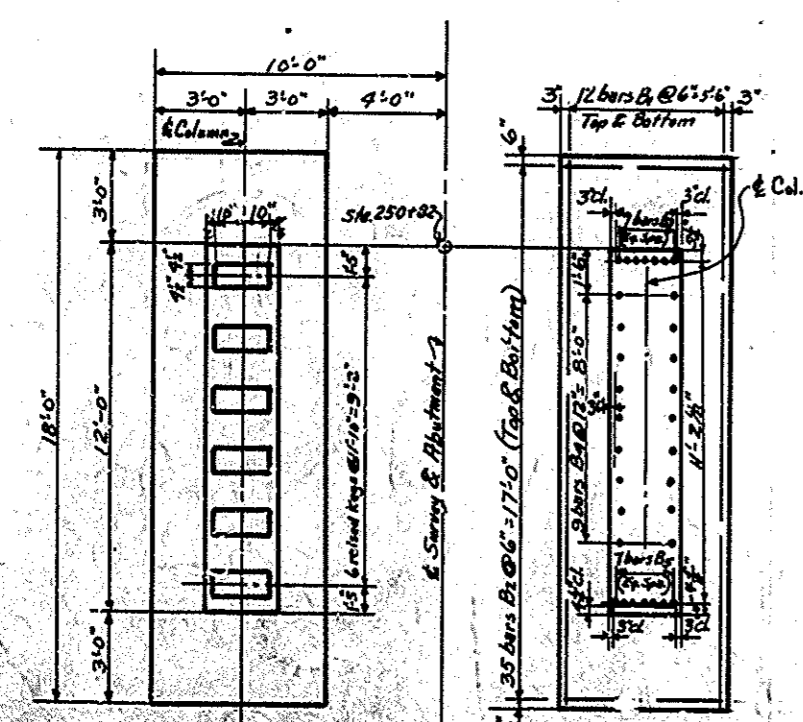
COMMONWEALTH OF KENTUCKY  
 DEPARTMENT OF HIGHWAYS  
 FRANKFORT  
 COUNTY OF  
**WASHINGTON**  
 WILLISBURG-ASHBROOK  
 ROAD PROJECT NO.  
 STATION 252+41  
 115-9-8  
 SHEET NO. 1 OF 3  
 DRAWING NO. 70-49



PLAN OF CAP  
Showing Dimensions & Dowels      Showing Reinforcement

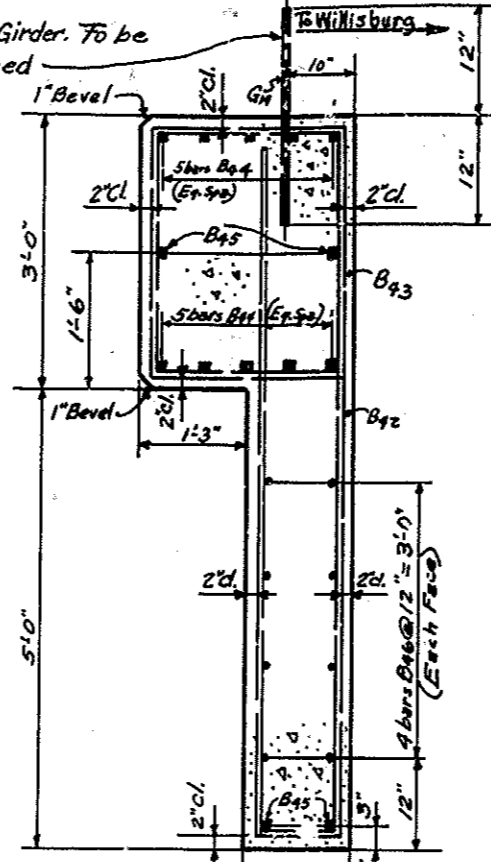


ELEVATION  
Showing Dimensions      Showing Reinforcement

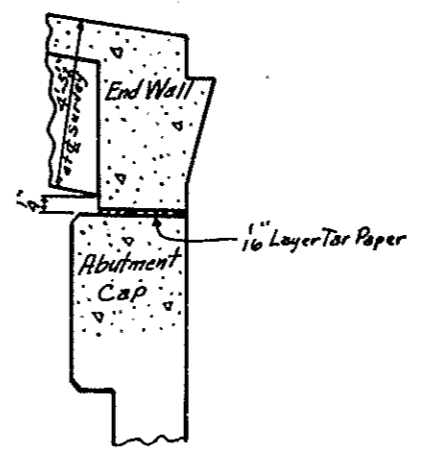


PLAN OF FOOTING  
Showing Dimensions      Showing Reinforcement

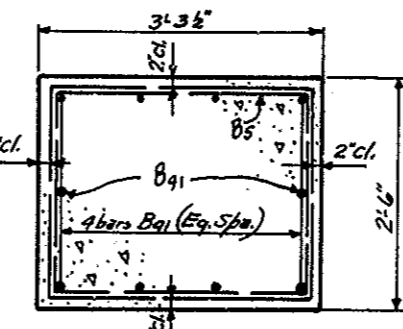
Dowel Gir included in Bill of Reinf. for Deck Girder. To be painted & oiled before Deck Girder is poured



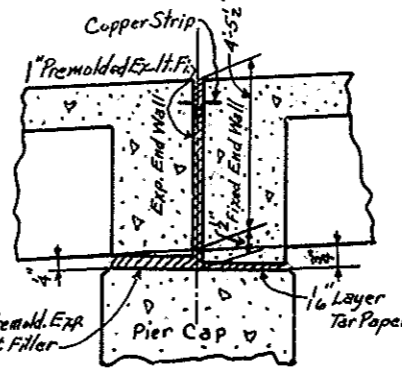
SECTION THRU CAP



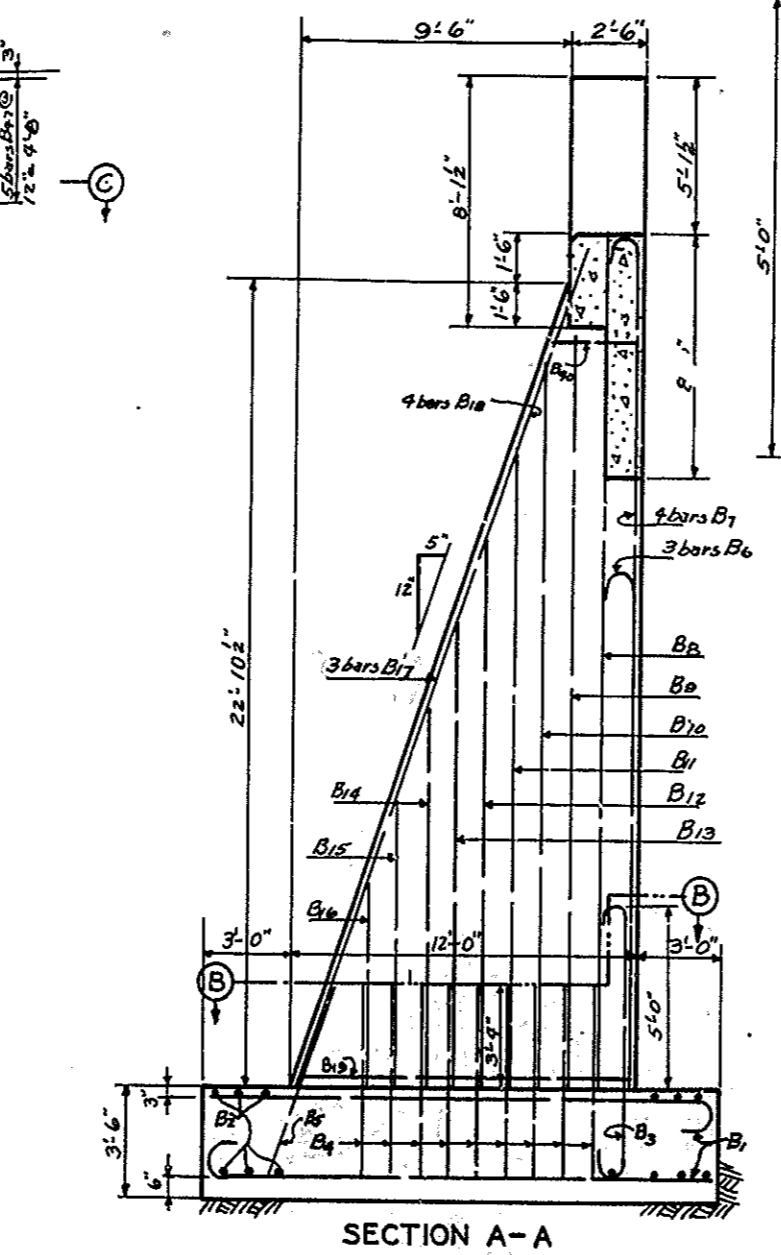
SECTION THRU CAP



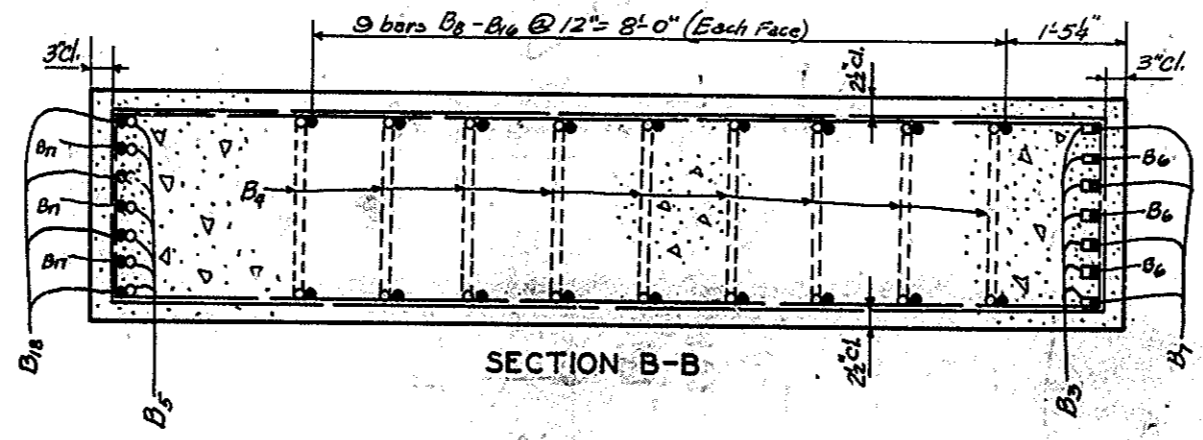
SECTION C-C



SECTION THRU CAP  
Dimensions on & Survey

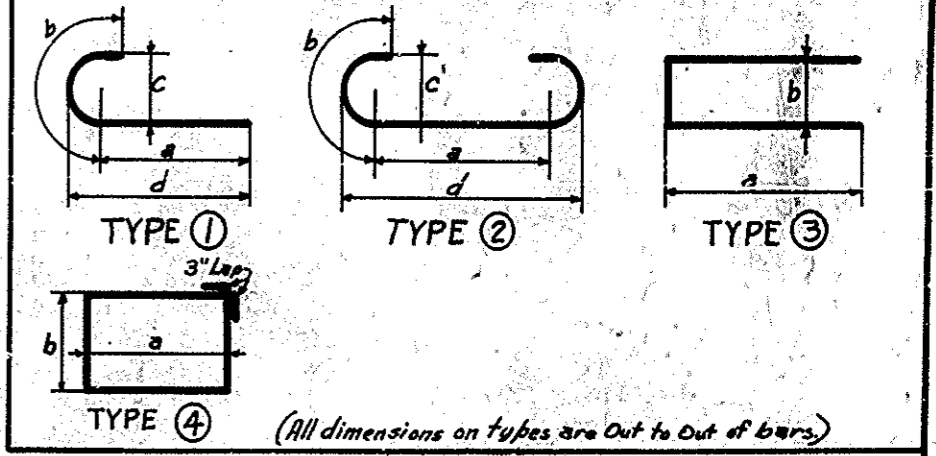


SECTION A-A



SECTION B-B

BILL & TYPES OF REINFORCEMENT													
MARK	TYPE	NO.	SIZE	LENGTH	LOCATION	a		b		c		d	
						FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.
B1	⊙	48	1/2"	18 7	Footings	17	5	1	2	0	7 1/2	17	8 3/4
B2	⊙	140	"	7 5	"	5	1	2	0	7 1/2	5	8 1/2	
B3	"	14	1 1/2"	10 6	Dowels	7	2	1	8	0	11 1/4	8	14
B4	⊙	18	1/2"	14 4	"	6	3	2	0	-	-	-	-
B5	Str.	14	"	6 6	"	-	-	-	-	-	-	-	-
B6	⊙	6	1 1/2"	17 8	Columns	16	0	1	8	0	11 1/4	16	5 3/4
B7	"	8	"	25 2	"	23	6	1	8	0	11 1/4	23	11 1/2
B8	Str.	4	1/2"	24 0	"	-	-	-	-	-	-	-	-
B9	"	4	"	21 0	"	-	-	-	-	-	-	-	-
B10	"	4	"	20 3	"	-	-	-	-	-	-	-	-
B11	"	4	"	17 9	"	-	-	-	-	-	-	-	-
B12	"	4	"	15 3	"	-	-	-	-	-	-	-	-
B13	"	4	"	12 9	"	-	-	-	-	-	-	-	-
B14	"	4	"	10 3	"	-	-	-	-	-	-	-	-
B15	"	4	"	7 9	"	-	-	-	-	-	-	-	-
B16	"	4	"	5 3	"	-	-	-	-	-	-	-	-
B17	"	6	"	16 0	"	-	-	-	-	-	-	-	-
B18	"	8	"	25 9	"	-	-	-	-	-	-	-	-
B19	⊙	2	1/2"	27 2	"	11	5	2	1	-	-	-	-
B20	"	2	"	26 4	"	11	0	2	1	-	-	-	-
B21	"	2	"	25 6	"	10	7	2	1	-	-	-	-
B22	"	2	"	24 8	"	10	2	2	1	-	-	-	-
B23	"	2	"	23 10	"	9	9	2	1	-	-	-	-
B24	"	2	"	23 0	"	9	4	2	1	-	-	-	-
B25	"	2	"	22 2	"	8	11	2	1	-	-	-	-
B26	"	2	"	21 4	"	8	6	2	1	-	-	-	-
B27	"	2	"	20 6	"	8	1	2	1	-	-	-	-
B28	"	2	"	19 8	"	7	8	2	1	-	-	-	-
B29	"	2	"	18 10	"	7	3	2	1	-	-	-	-
B30	"	2	"	18 0	"	6	10	2	1	-	-	-	-
B31	"	2	"	17 2	"	6	5	2	1	-	-	-	-
B32	"	2	"	16 4	"	6	0	2	1	-	-	-	-
B33	"	2	"	15 6	"	5	7	2	1	-	-	-	-
B34	"	2	"	14 8	"	5	2	2	1	-	-	-	-
B35	"	2	"	13 10	"	4	9	2	1	-	-	-	-
B36	"	2	"	13 0	"	4	4	2	1	-	-	-	-
B37	"	2	"	12 2	"	3	11	2	1	-	-	-	-
B38	"	2	"	11 4	"	3	6	2	1	-	-	-	-
B39	"	2	"	10 6	"	3	1	2	1	-	-	-	-
B40	"	2	"	9 8	"	2	8	2	1	-	-	-	-
B41	Str.	20	"	7 0	Wings	-	-	-	-	-	-	-	-
B42	⊙	26	"	15 9	Curtain Wall	7	6	10	11	-	-	-	-
B43	⊙	26	"	9 10	Cap	2	8	2	2	-	-	-	-
B44	⊙	16	1/2"	31 10	"	28	10	1	6	0	10	29	8
B45	Str.	4	"	29 8	Cap & Curtain Wall	-	-	-	-	-	-	-	-
B46	"	8	3/4"	29 8	Curtain Wall	-	-	-	-	-	-	-	-
B47	⊙	10	1/2"	10 5	Hoop in Wings	2	11 1/2	2	2	-	-	-	-



ESTIMATE OF QUANTITIES

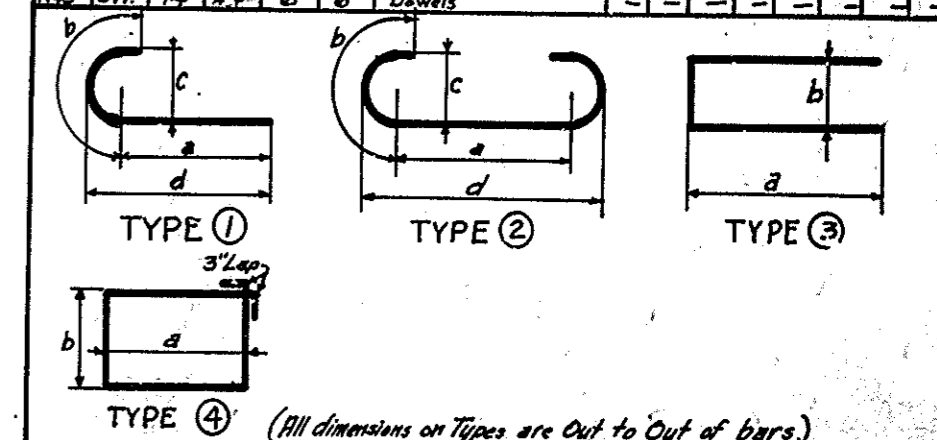
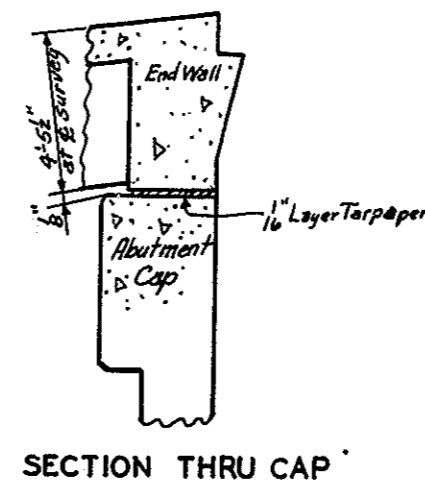
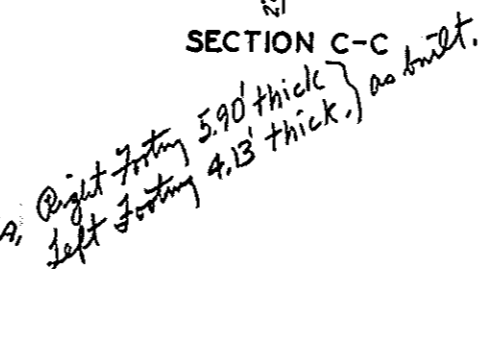
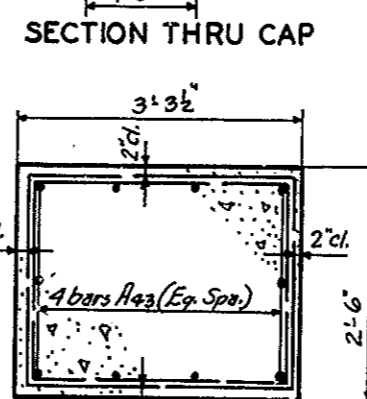
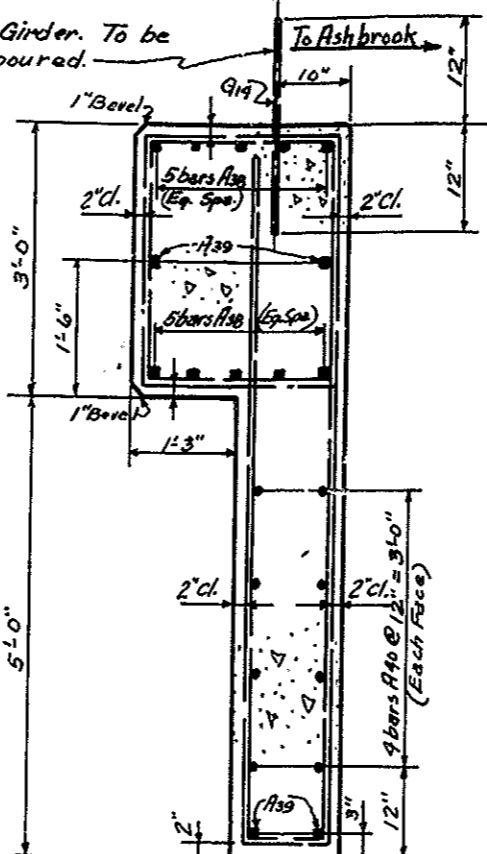
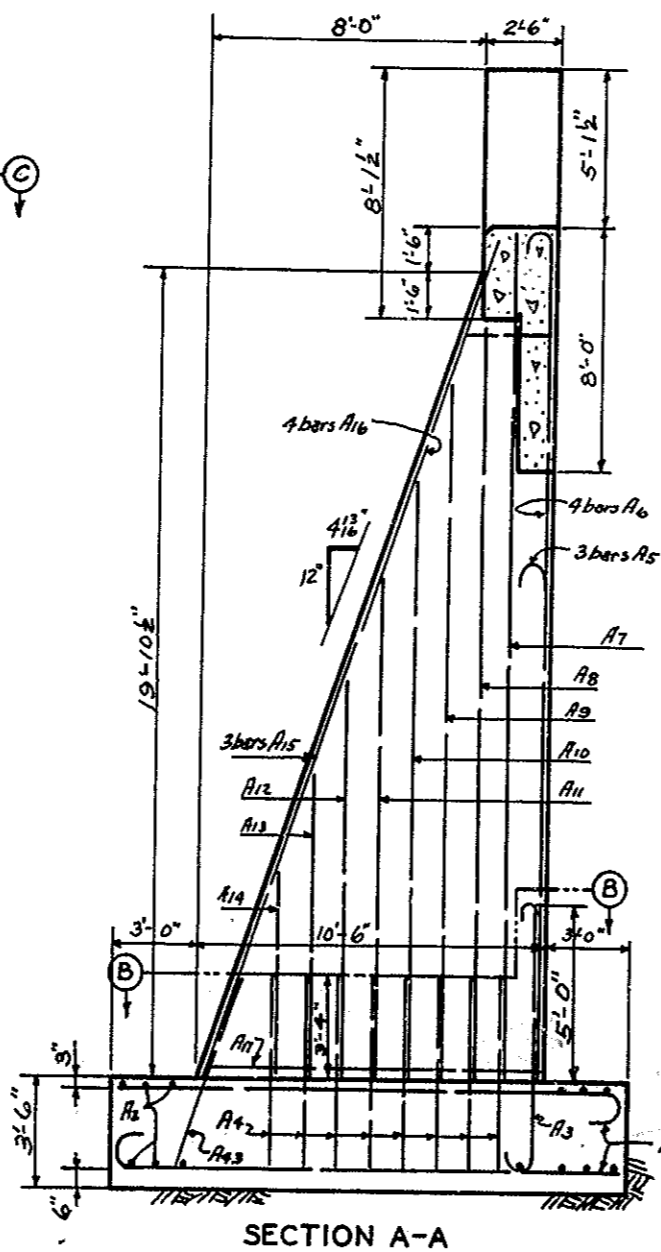
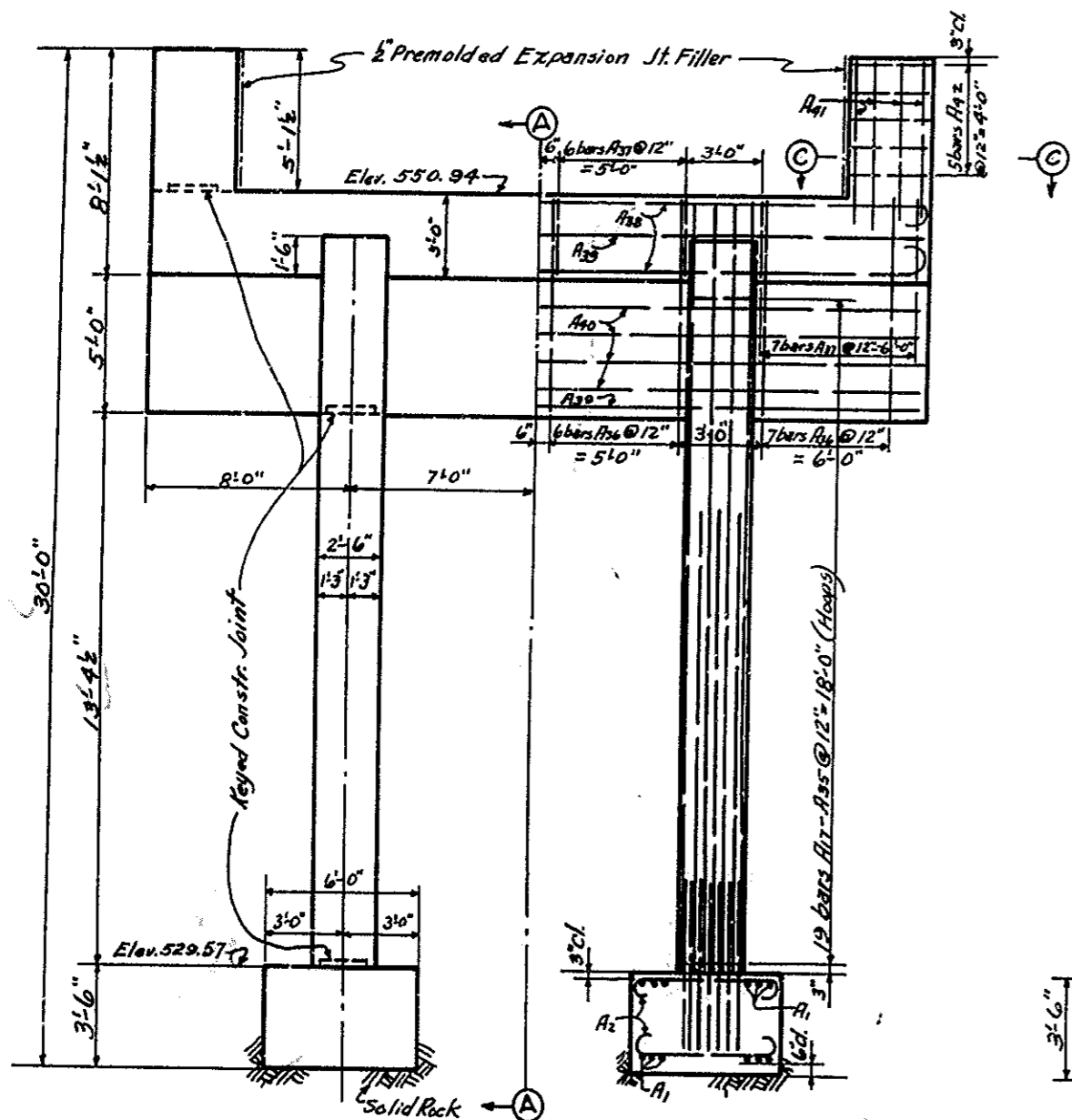
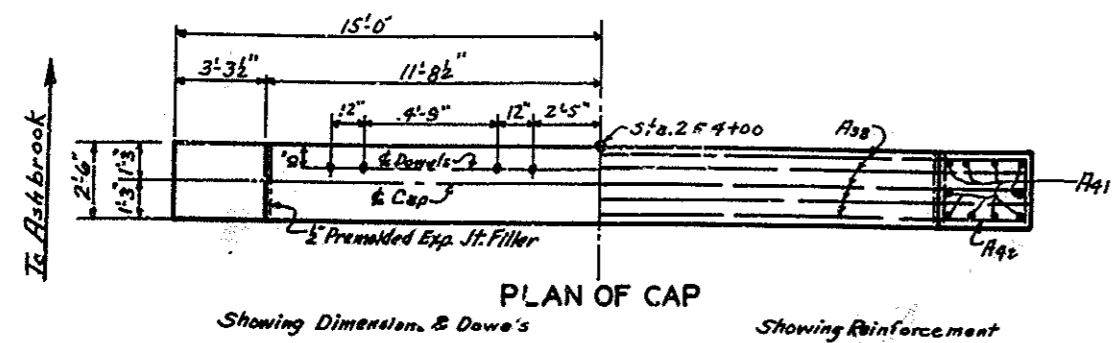
Concrete, Class A  
Reinforcement      75.8 Cu.Yds.  
9950 Lbs.

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS  
FRANKFORT  
COUNTY OF  
**WASHINGTON**  
WILLISBURG - ASHBROOK  
ROAD  
STATION 252+41      PROJECT NO. 115-9-8  
7049

DETAILS OF ABUTMENT NO. 1

DATE:      BY:      CHECKED BY:      DATE:      BY:      CHECKED BY:

Dowels are included in Bill of Reinf. for Deck Girder. To be painted & oiled before Deck Girder is poured.



**ESTIMATE OF QUANTITIES**

Concrete, Class "A"      661 Cu. Yds.  
Reinforcement      9130 Lbs.

**BRIDGE OVER CHAPLIN RIVER      SH'T. 3 OF 3**

**COMMONWEALTH OF KENTUCKY**  
DEPARTMENT OF HIGHWAYS  
FRANKFORT  
COUNTY OF  
**WASHINGTON**  
WILLISBURG-ASHBROOK  
ROAD  
STATION 252-41      PROJECT NO.  
115-9-3      7049

**BILL & TYPES OF REINFORCEMENT**

MARK	TYPE	NO.	SIZE	LENGTH	LOCATION	DIMENSIONS			
						a	b	c	d
A1	①	48	3/8"	17 0	Footing	15 10	1 2	0	7 1/2
A2	②	132	"	7 5	"	5 1	1 2	0	7 1/2
A3	"	14	1/2"	10 6	Dowels	7 2	1 8	0	11 1/4
A4	③	16	3/4"	14 4	"	6 3	2 0	-	-
A5	④	6	1 1/2"	14 8	Columns	13 0	1 8	0	11 1/4
A6	"	8	"	22 2	"	20 6	1 8	0	11 1/4
A7	Str.	4	3/4"	21 0	"	-	-	-	-
A8	"	4	"	18 0	"	-	-	-	-
A9	"	4	"	17 0	"	-	-	-	-
A10	"	4	"	14 6	"	-	-	-	-
A11	"	4	"	12 0	"	-	-	-	-
A12	"	4	"	9 6	"	-	-	-	-
A13	"	4	"	7 0	"	-	-	-	-
A14	"	4	"	4 6	"	-	-	-	-
A15	"	6	"	13 0	"	-	-	-	-
A16	"	8	"	22 6	"	-	-	-	-
A17	④	2	3/4"	24 1	"	9 10 1/2	2 1	-	-
A18	"	2	"	23 4	"	9 6	2 1	-	-
A19	"	2	"	27 6	"	9 1	2 1	-	-
A20	"	2	"	21 8	"	8 8	2 1	-	-
A21	"	2	"	20 11	"	8 3 1/2	2 1	-	-
A22	"	2	"	20 1	"	7 10 1/2	2 1	-	-
A23	"	2	"	19 3	"	7 5 1/2	2 1	-	-
A24	"	2	"	18 6	"	7 1	2 1	-	-
A25	"	2	"	17 8	"	6 8	2 1	-	-
A26	"	2	"	16 10	"	6 3	2 1	-	-
A27	"	2	"	16 1	"	5 10 1/2	2 1	-	-
A28	"	2	"	15 3	"	5 5 1/2	2 1	-	-
A29	"	2	"	14 6	"	5 1	2 1	-	-
A30	"	2	"	13 8	"	4 8	2 1	-	-
A31	"	2	"	12 10	"	4 3	2 1	-	-
A32	"	2	"	12 0	"	3 10	2 1	-	-
A33	"	2	"	11 3	"	3 5 1/2	2 1	-	-
A34	"	2	"	10 6	"	3 1	2 1	-	-
A35	"	2	"	9 6	"	2 7	2 1	-	-
A36	③	26	"	15 9	Curtain Walls	7 6	0 11	-	-
A37	④	26	"	9 10	Cap	2 8	2 2	-	-
A38	②	10	1"	31 0	"	28 10	1 6	0 10	29 8
A39	Str.	4	"	29 8	Cap & Curtain Walls	-	-	-	-
A40	"	8	3/4"	29 8	Curtain Walls	-	-	-	-
A41	"	20	3/4"	7 0	Wing	-	-	-	-
A42	④	10	"	10 5	Hoops in Wing	2 11 1/2	2 2	-	-
A43	Str.	14	3/8"	6 6	Dowels	-	-	-	-

DATE: \_\_\_\_\_  
 DRAWN BY: E.C. Blythe  
 CHECKED BY: E.C. Blythe  
 APPROVED BY: \_\_\_\_\_

DETAILS OF ABUTMENT NO. 2