

CONNECTICUT STATE HIGHWAY DEPARTMENT PLAN FOR CONSTRUCTION

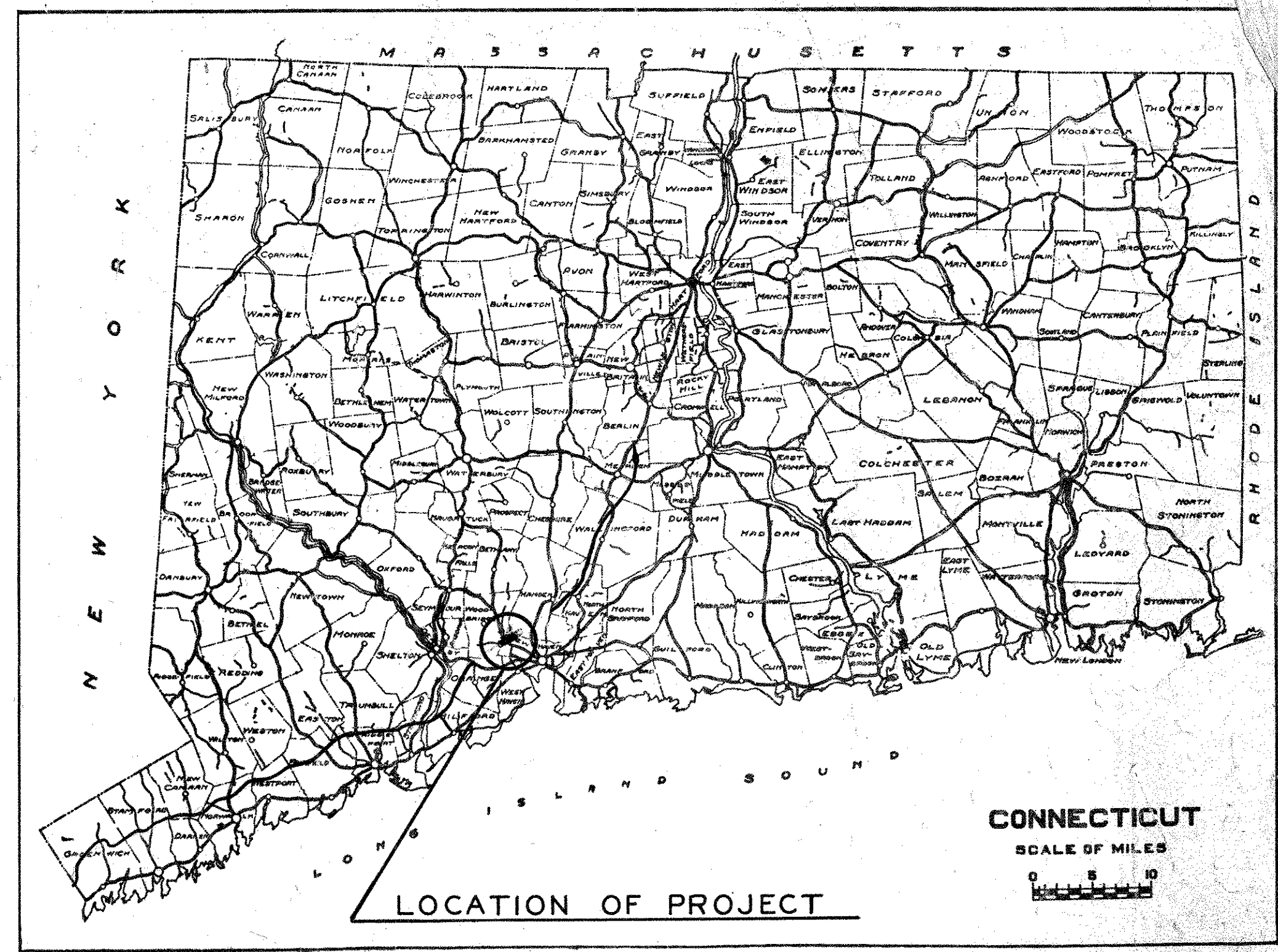
OF
A TWIN BORE TUNNEL THRU WEST ROCK AND GRADING
AND DRAINAGE OF A SECTION OF WILBUR CROSS PARKWAY
IN THE TOWNS OF

NEW HAVEN - WOODBRIDGE - HAMDEN

FROM STA. SEE TO STA. BELOW

LENGTH SEE BELOW FT.

SCALES { PLAN 1 IN. = 40 FT.
PROFILE HOR. 1 IN. = 40 FT. VERT. 1 IN. = 4 FT.
CROSS SECTIONS 1 IN. = 5 FT.
1 IN. = 10 FT.



1947 SPECIFICATIONS FORM 807 GOVERN

ALL ELEVATIONS ON THIS PROJECT ARE BASED ON U.S.C&G. SURVEY DATUM
TO BE MAINTAINED BY THE STATE

TOWN NO. 185
PROJECT NO. 90

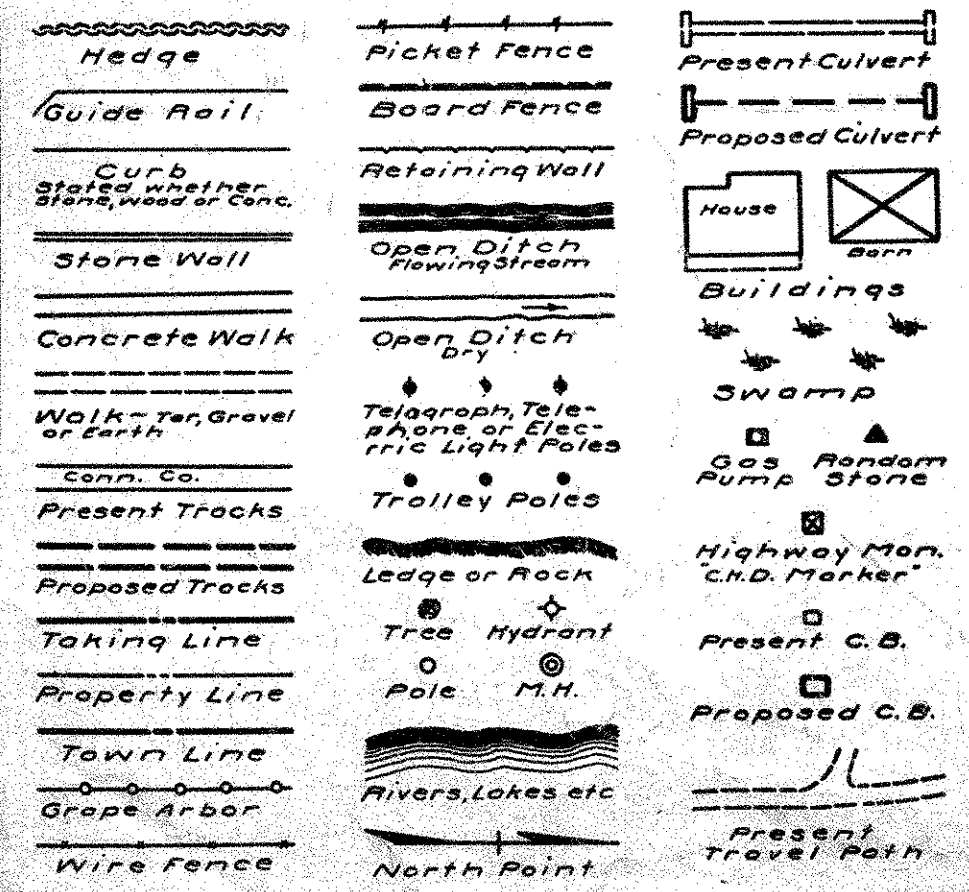
ROADWAY SECTION { FROM STA. 689+00 TO STA. 708+65 } LENGTH 2560 FT.
" " 720+65 " " 722+35 }
" " 724+75 " " 729+00 }

TUNNEL SECTION FROM STA. 708+65 TO STA. 720+65 LENGTH 1200 FT.

CONSTRUCTION STARTED: March 10, 1948
CONSTRUCTION COMPLETED: Oct. 22, 1949
PLANS REVISED BY: J.M. McCarthy DATE: Oct. 1950
PLANS CHECKED BY: A. Dozier DATE: Nov. 1950

SHEET NO.	TITLE
1	Title sheet
2	Small Scale Plan & Profile
3	Detail Estimate Sheet
4	Typical Cross Sections
5	Details of Type "P" catch Basin
6 thru 13	Plans & Profiles Sta. 689+00 to Sta. 729+00
14 thru 57	Details of West Rock Tunnel Sta. 721+15 to 728+15
58 thru 69	Wilbur Cross Parkway cross sections Sta. 689+00 to 708+65 & Sta. 721+25 to 729+00
70 thru 73	Pond Lily Ave. Ramp Cross Sections
~ STANDARD DRAWINGS ~	
221E	Rein. Conc. Pipe, Perf. A.C.C.M. Pipe Foundation Underdrain
221F	Endwalls
222A	Curbs
223	Manhole
225	Curb Type Catch Basin
226	A.C.C.M. Pipe Elbows
228	Type "C" Catch Basin, Type E.S. Catch Basin, Type C.S. Drop Inlet
241D	Standard Paving Details
242	Load Transfer Units & Metal Plate Shield for Transfer Joints
248	Standard Expanded Metal Mesh Reinforcement for Conc. Pavement
249	Standard Fabric Reinforcement for Conc. Pavement
250	Standard Bar Mat Reinforcement for Concrete Pavement

STANDARD CONVENTIONS

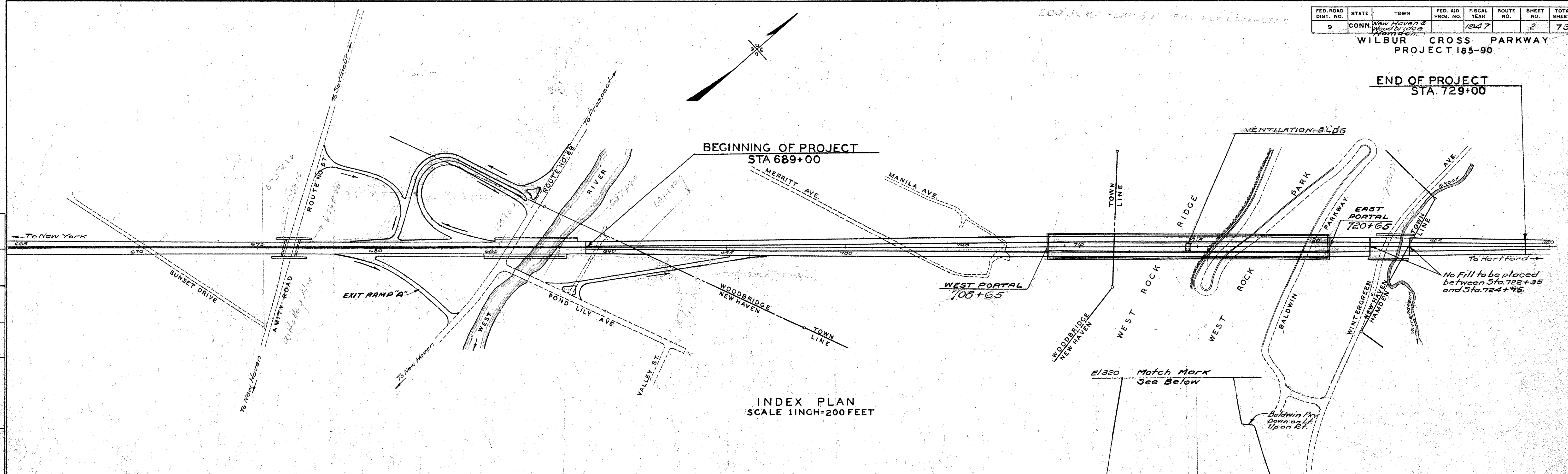


THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

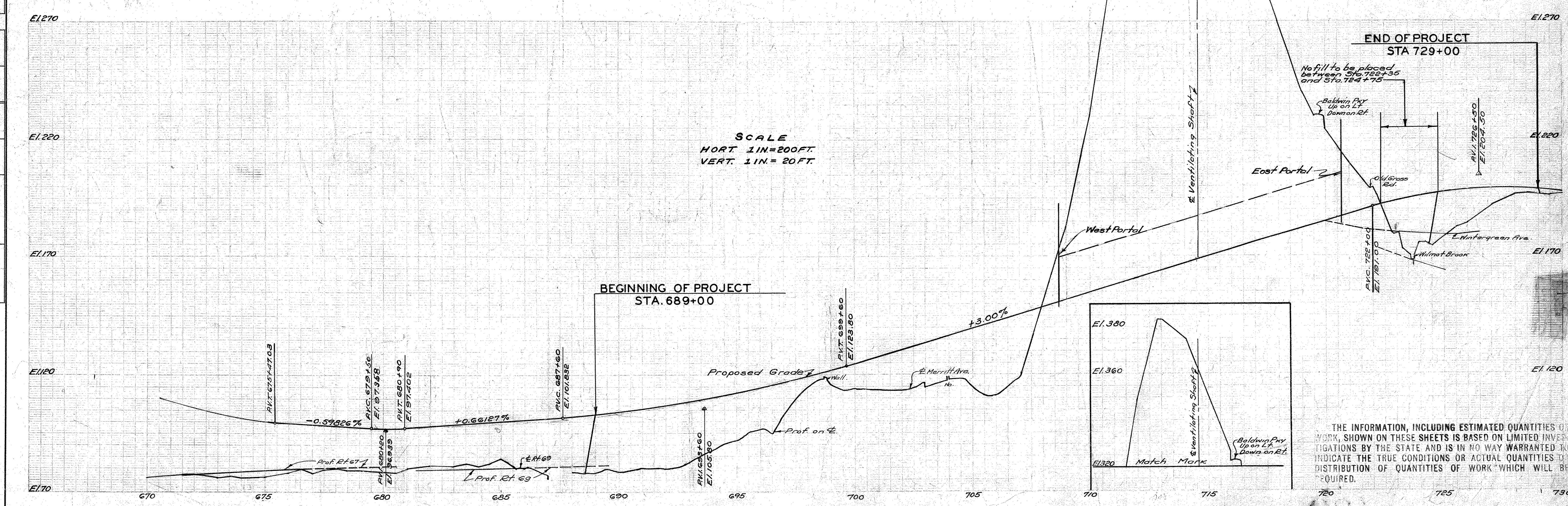
APPROVED Nov 20 1947
Ewert J. Perkins
ENGINEER OF HIGHWAY DESIGN
APPROVED Nov 20 1947
D. H. S. Starn
ENGINEER OF LOCATION & DESIGN
APPROVED Nov 20 1947
James M. Crocker
DIRECTOR OF ENGINEERING & CONSTRUCTION

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	New Haven & Woodbridge		1947		2	73

WILBUR CROSS PARKWAY
PROJECT 185-90



INDEX PLAN
SCALE 1 INCH=200 FEET



SCALE
HORT. 1 IN=200 FT.
VERT. 1 IN=20 FT.

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PLAN	PROFILE
Surveyed	Surveyed
Plotted	Plotted
Alignment	Grades Plotted
Traced	Traced
New Const. Noted	New Const. Noted
Designed	Designed
NOTE BOOK NO.	NOTE BOOK NO.

BY	DATE	CHECKED BY	DATE

BY	DATE	CHECKED BY	DATE

TYPICAL CROSS SECTIONS

NOT TO SCALE

PUR. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	WOODBRIIDGE, NEW HAVEN AND HAMDEN		185-90	1947		4	73

WILBUR CROSS PARKWAY

PROJECT NO. 185-90

Revised Sept 9th 1948
To show raised median strip.

STAGE CONSTRUCTION

THIS SHEET NOT CORRECTED

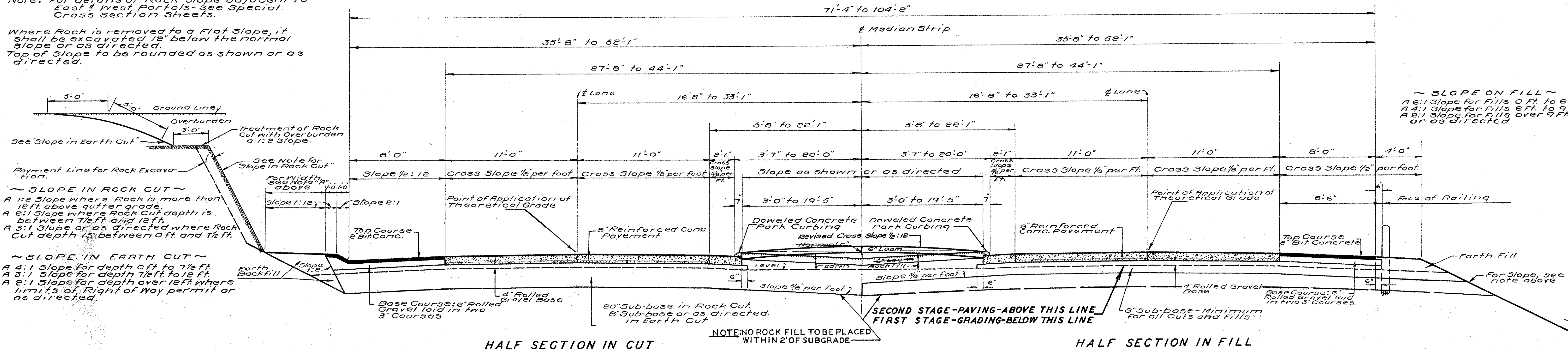
Note A:
For Rock Cut - 0' to 12' 0"; Normal Width of 5' 0"
For Rock Cut over 12' 0"; Minimum Width of 10' 0"
or as directed

Note: For details of Rock Slope adjacent to East & West Portals - see Special Cross Section Sheets.

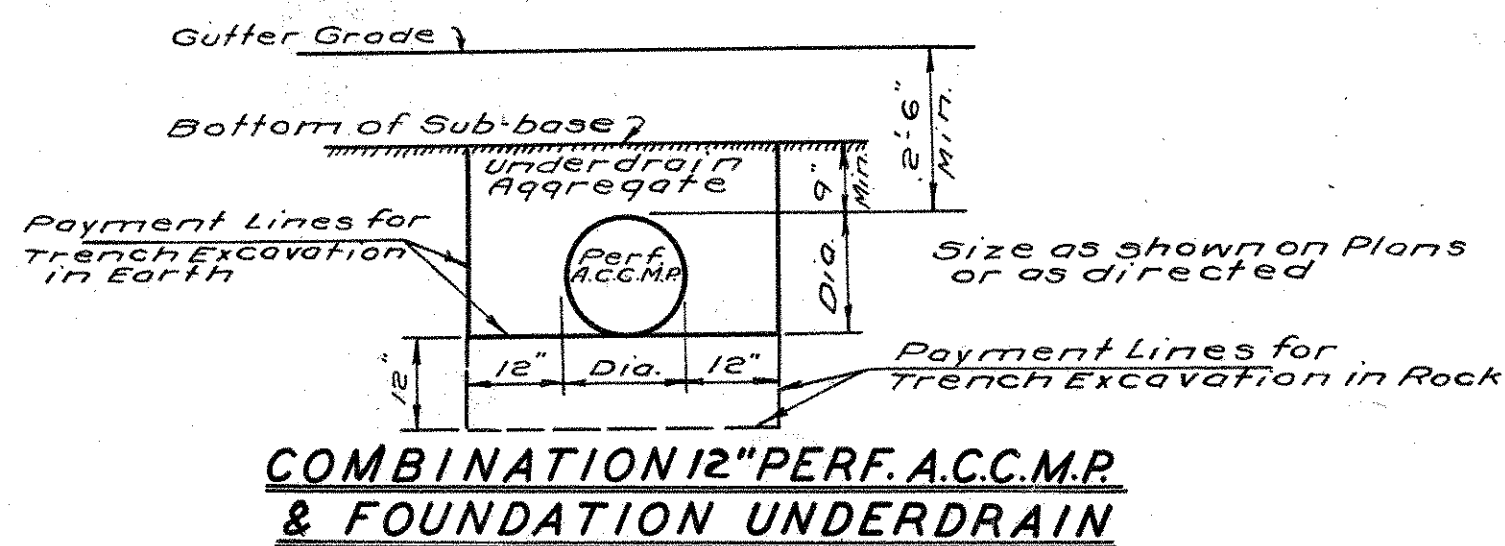
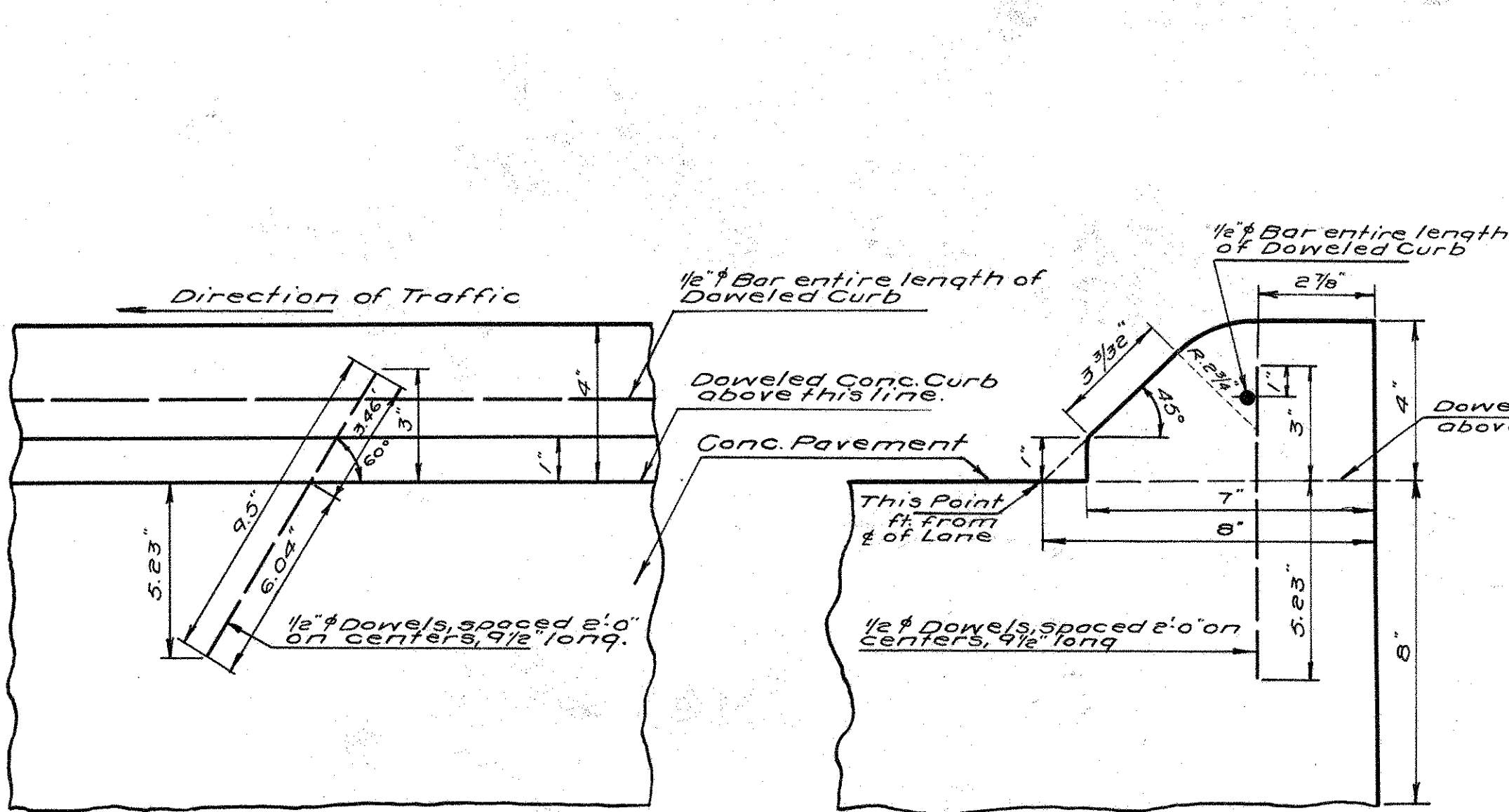
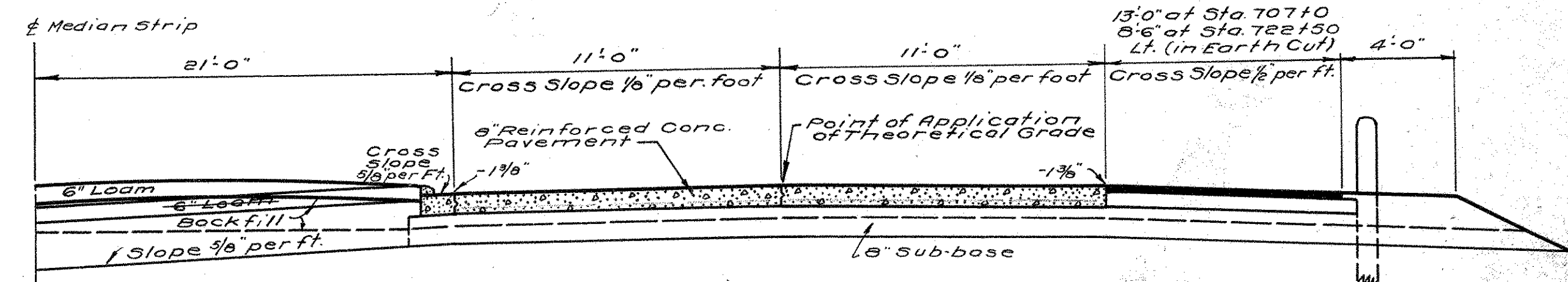
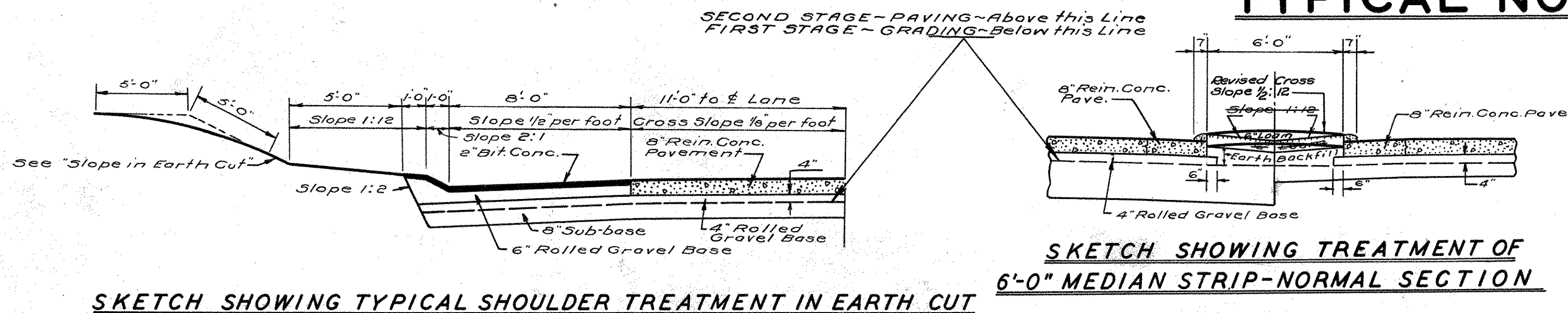
Where Rock is removed to a Flat Slope, it shall be excavated 12" below the normal Slope or as directed. Top of Slope to be rounded as shown or as directed.

ALL LOAM TO BE PLACED BY STATE FORCES

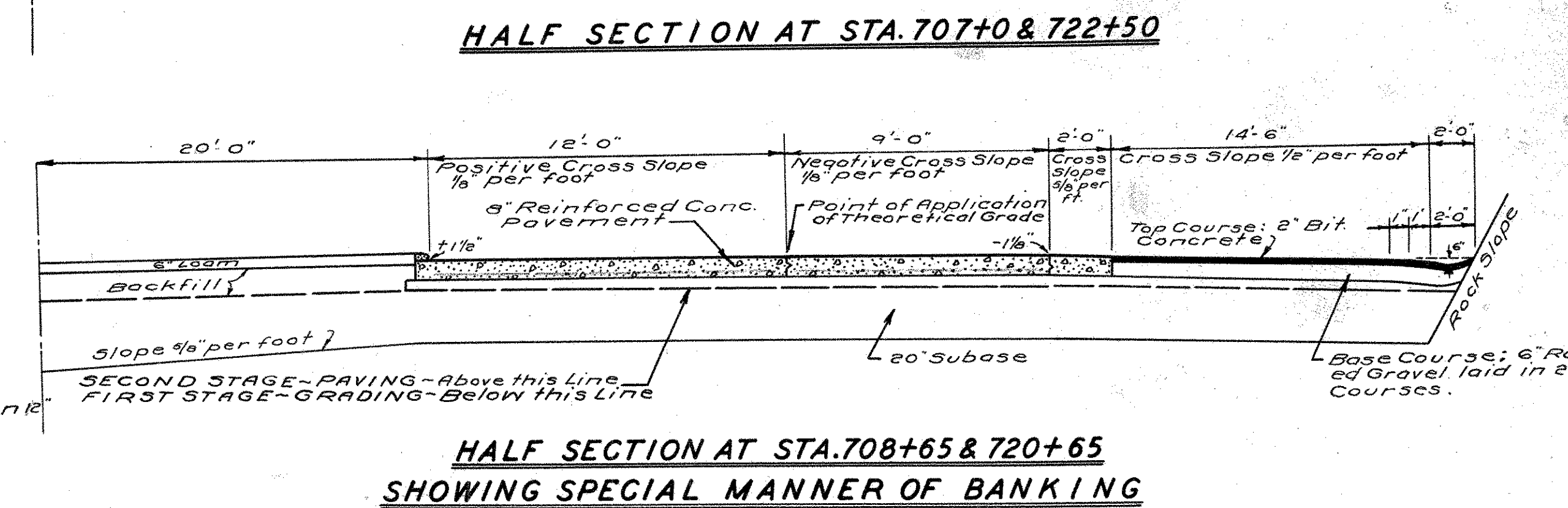
Width of Median Strip, Back to Back of Curbs, varies as shown in detailed instructions on Construction Plans.



TYPICAL NORMAL SECTION



Note:
Where Rock is encountered in constructing "Combination 12" Perf. A.C.C.M.P. & Foundation Underdrain", the Trench shall be excavated to a depth of one foot below the Flow Line and back filled with impervious material. Cost of material to be included in underdrain item.

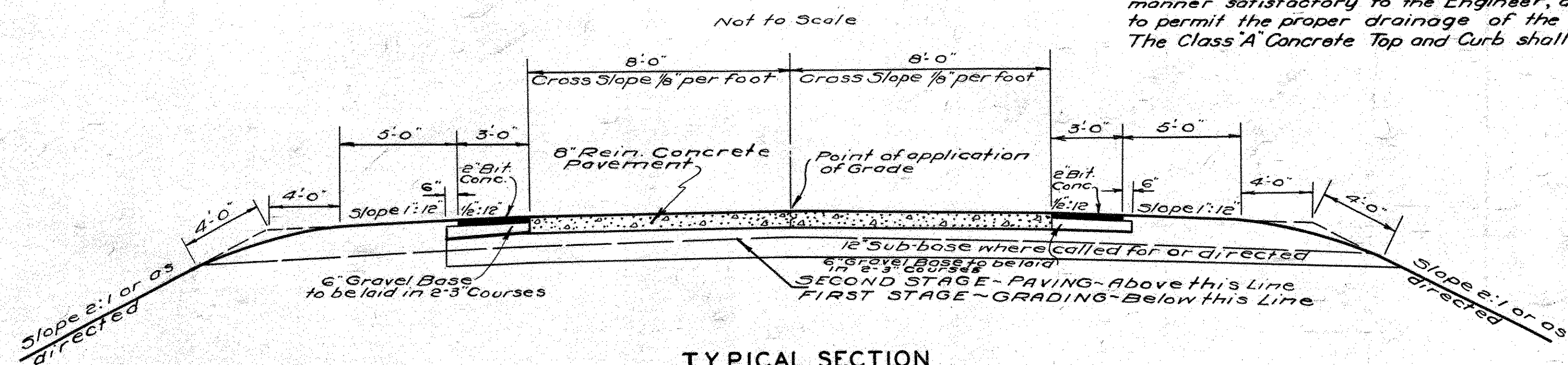


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- NOTES -

For Frame and Grate, see Standard Sheet No. 228.

In such cases and at such locations as the Engineer may direct, on projects where grading only is called for, Type "P" Catch Basin shall be constructed to Line X-X. The Frame and Grate shall be furnished and set securely in mortar, in a manner satisfactory to the Engineer, at this elevation so as to permit the proper drainage of the area intended. The Class "A" Concrete Top and Curb shall be omitted.

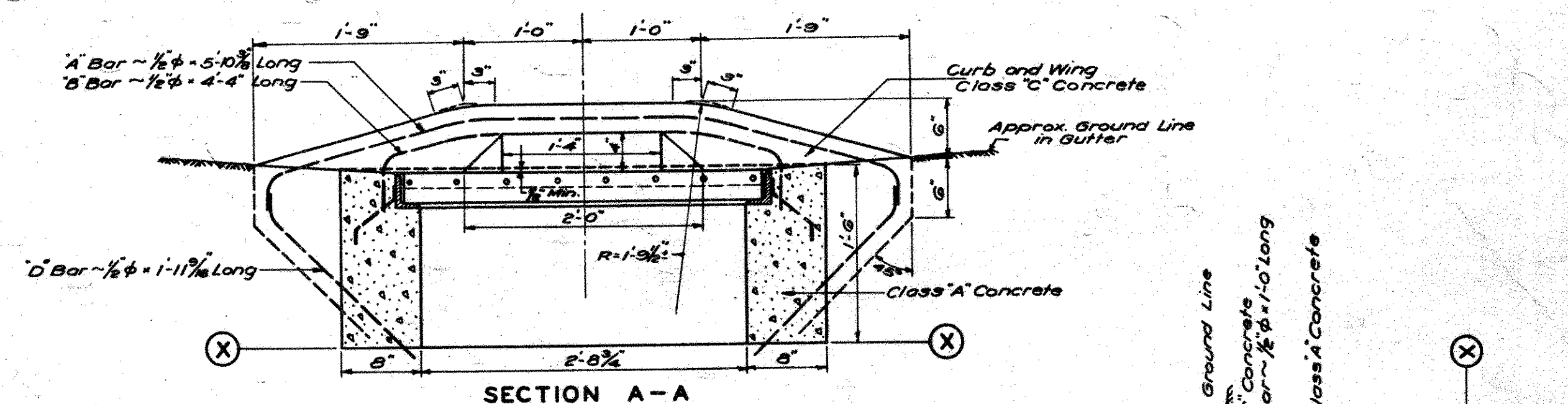


TYPICAL SECTION
POND LILY AVE. RAMP

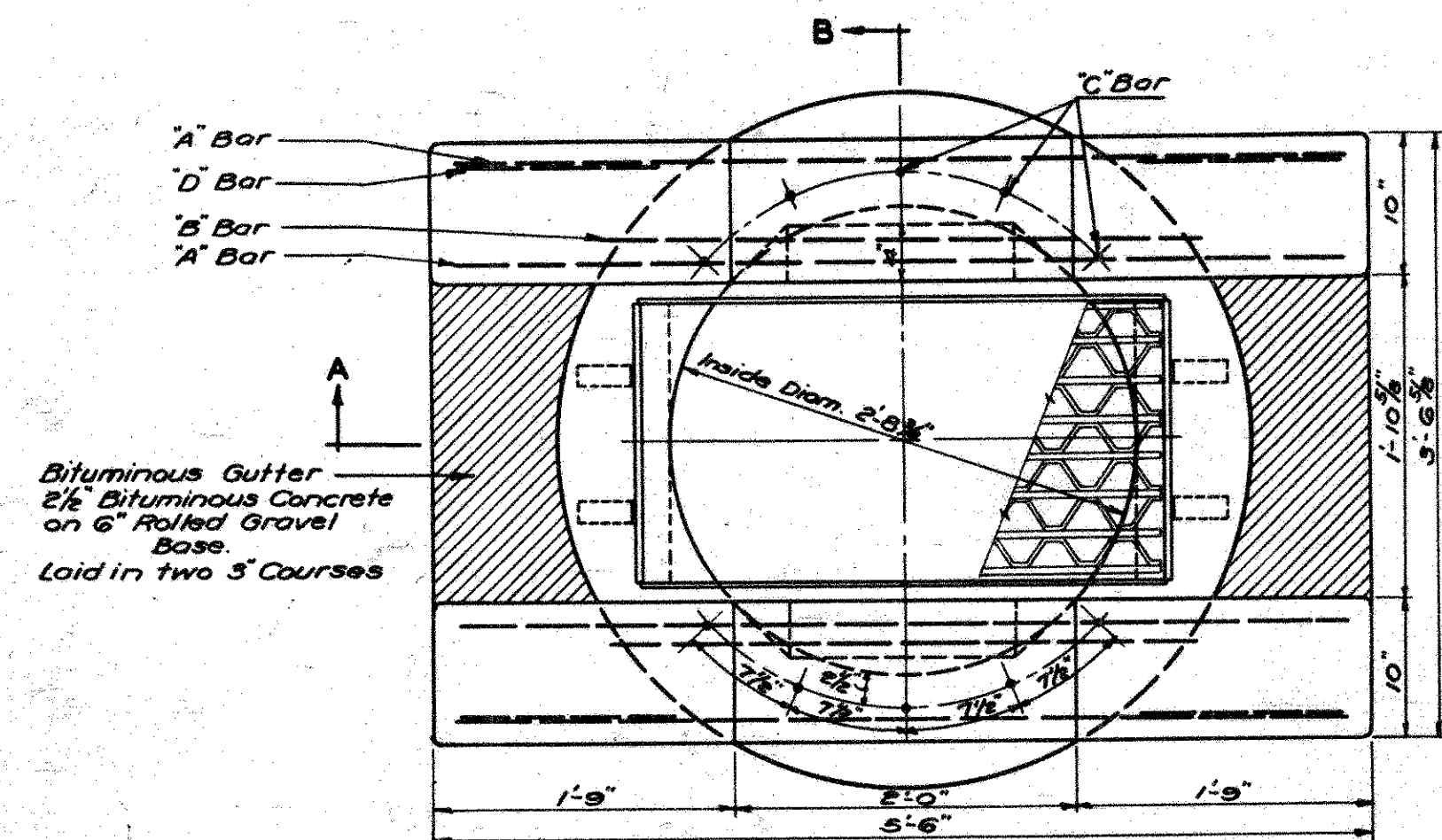
THIS SHEET NOT CORRECTED

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	WILBUR CROSS PARKWAY		1947		5	73

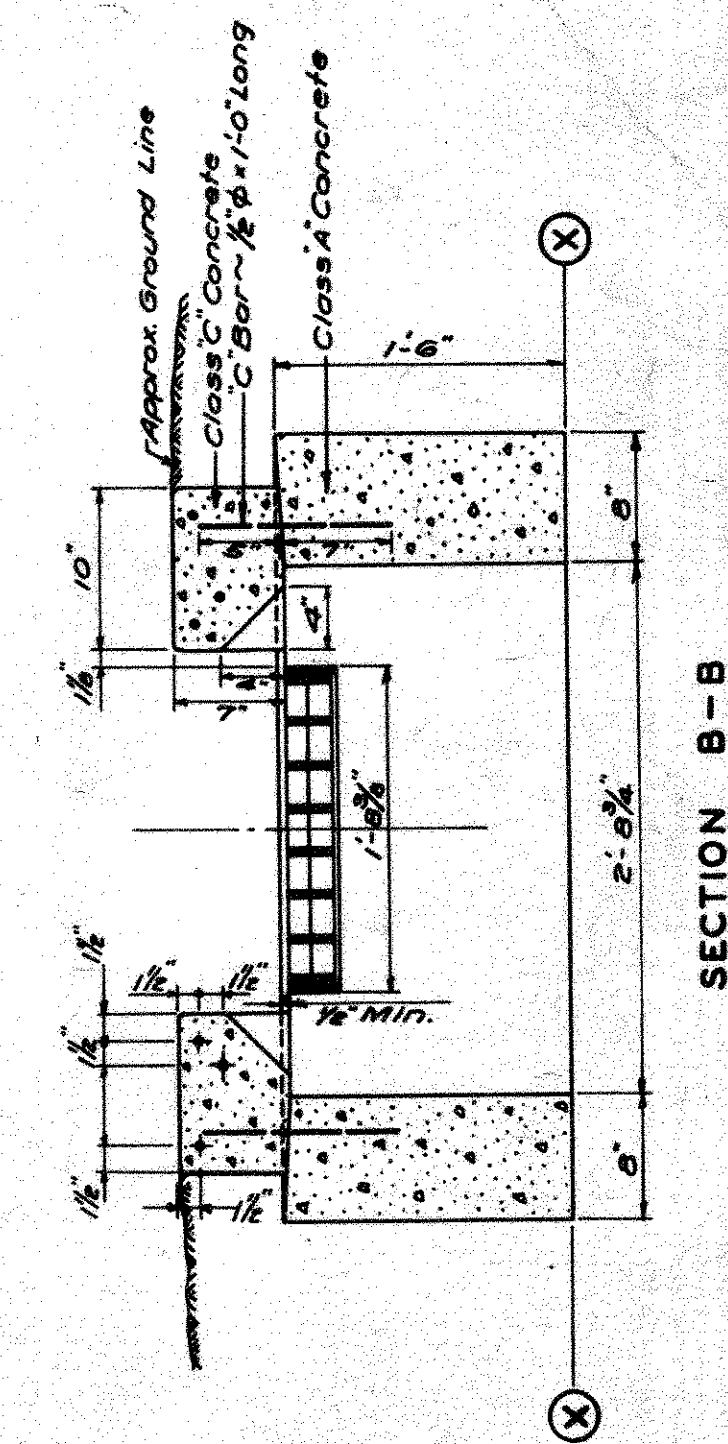
WILBUR CROSS PARKWAY
Project No. 185-90



SECTION A-A

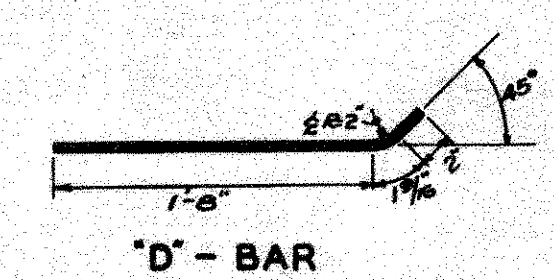
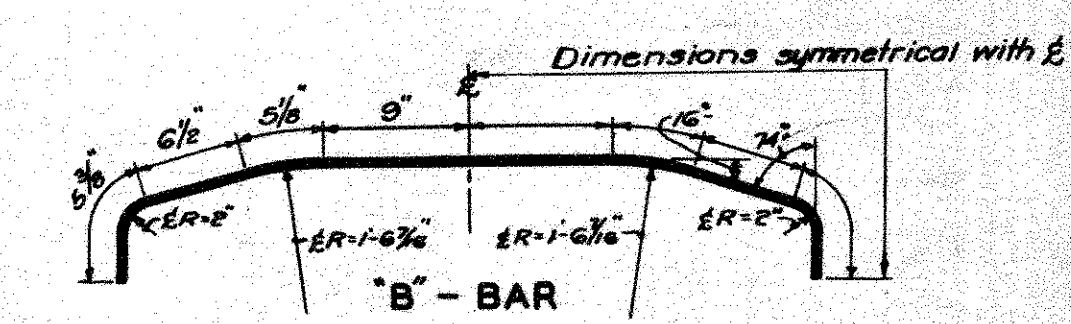
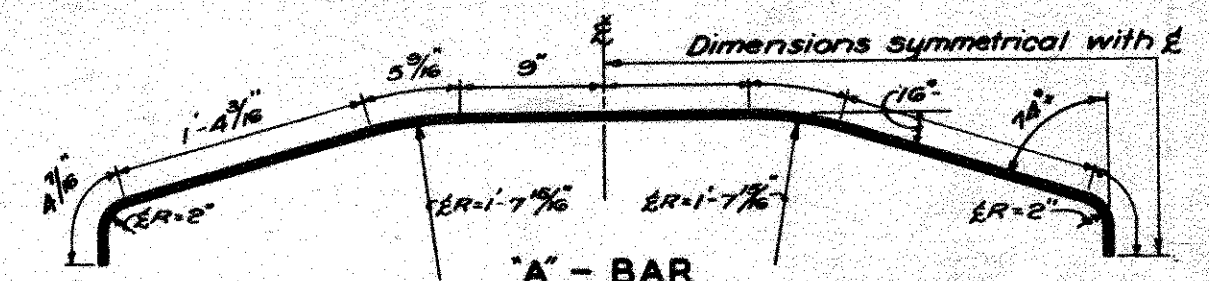


CURB & TOP
PLAN
Scale 1"=1'-0"

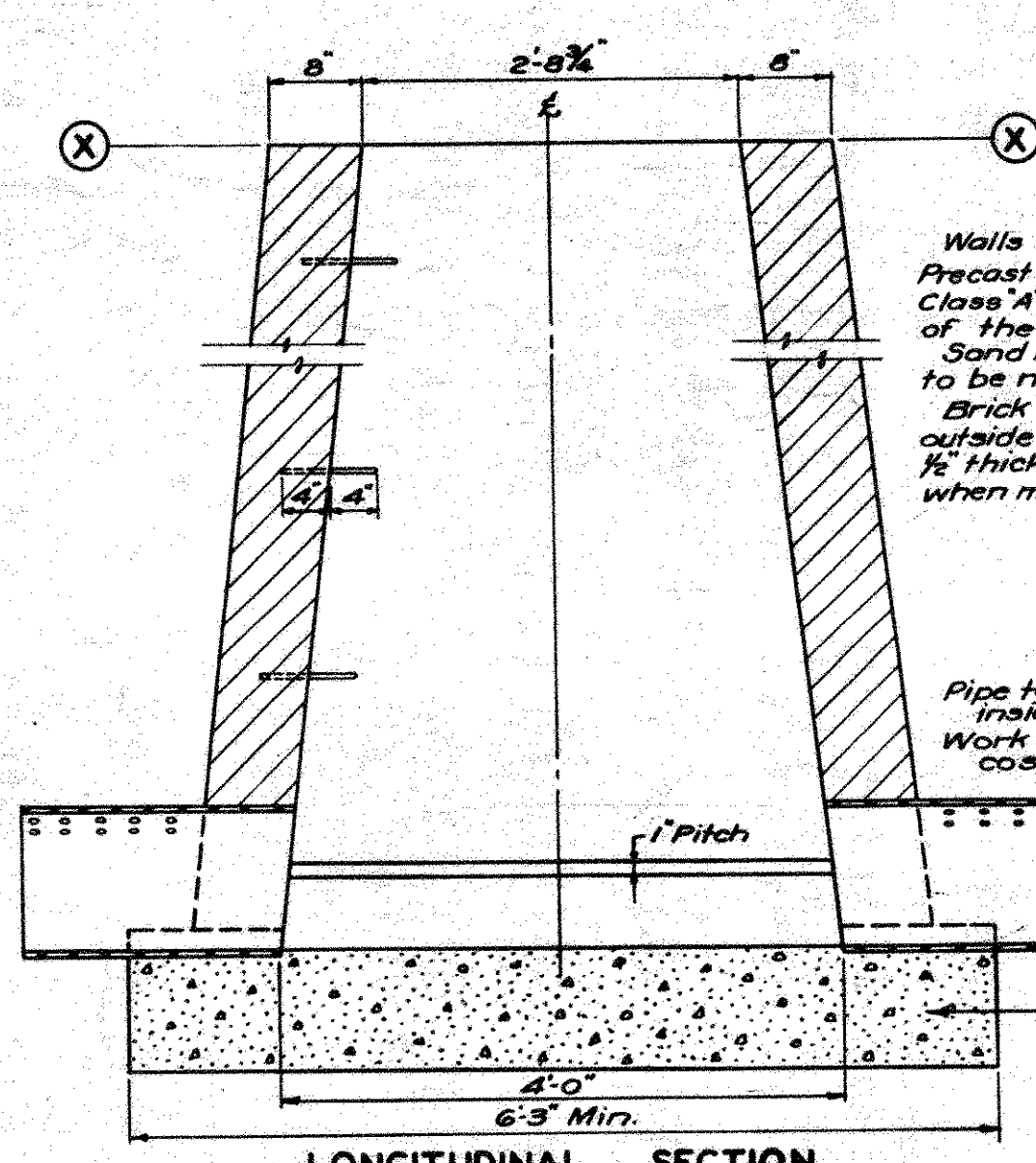


SECTION B-B

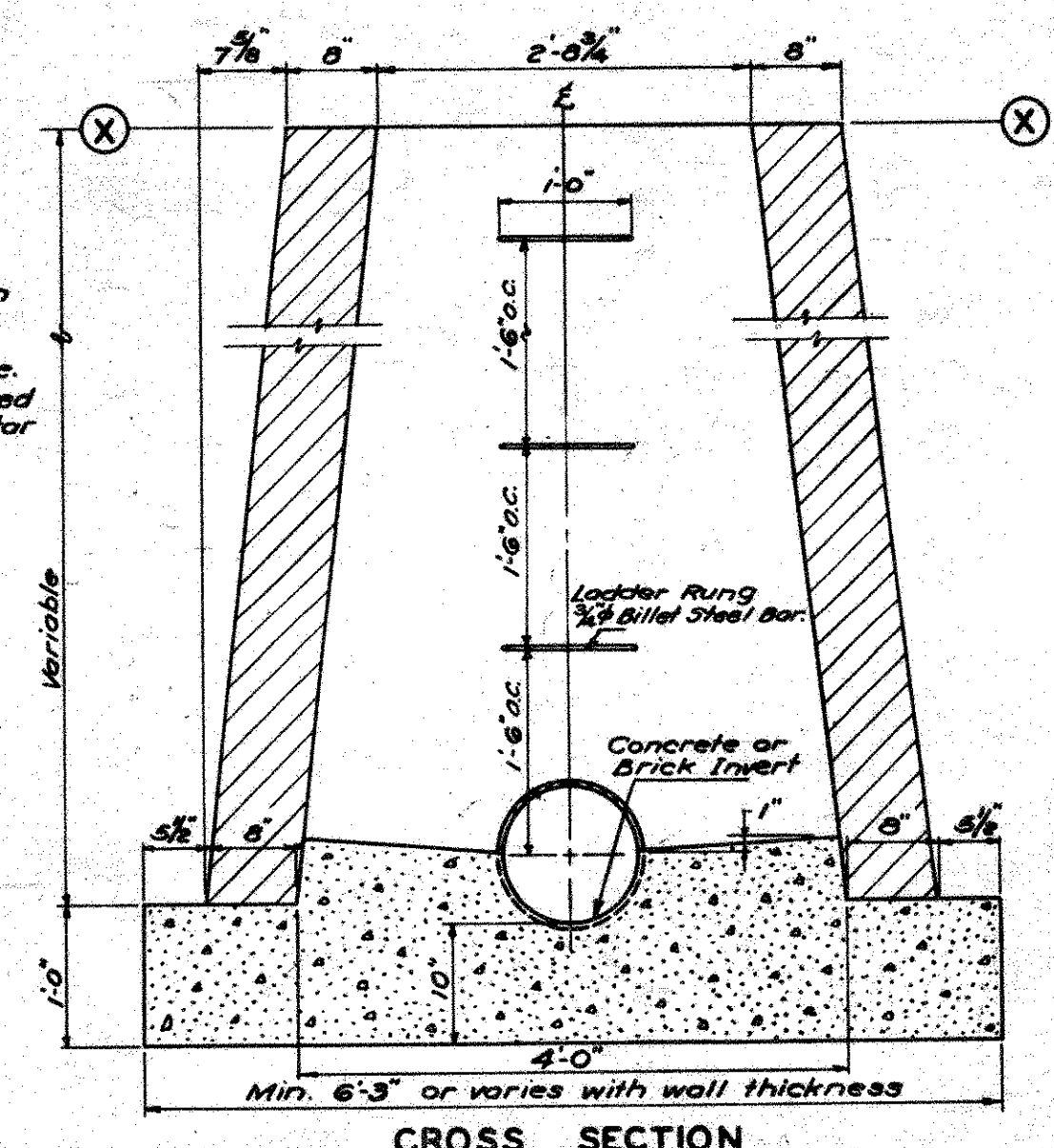
BAR BILL				
Bar	Size	Length	No.	Total Wt.
A	1/2" φ	5'-10 3/8"	4	15.7 lbs
B	1/2" φ	4'-4"	2	5.8 lbs
C	1/2" φ	1'-0"	10	6.7 lbs
D	1/2" φ	1'-11 1/2"	4	5.3 lbs
TOTAL				33.5 lbs



BAR DETAILS



LONGITUDINAL SECTION



CROSS SECTION

BASE
Scale 3/4"=1'-0"

Walls shall be built of Brick, Precast Concrete Units or Class "A" Concrete at the option of the Contractor. Sand Mortar - 1:2 mix. Joints to be not over 1/8" on inside face. Brick Walls are to be plastered outside with 1:2 cement mortar 1/2" thick. Bricks must be wet when mortar is applied.

Pipe to be cut flush with inside of Catch Basin. Work to be included in cost of Catch Basin.

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REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TYPE "P"
CATCH BASIN

DESIGNED BY *W.S. Bissell*

SCALES *As Noted*

MADE BY *W.S. Bissell* DATE *6/24/47*

CHECKED BY _____ DATE _____

APPROVED _____ DATE _____

PROJECT NO. _____

BRIDGE SHEET NO. _____

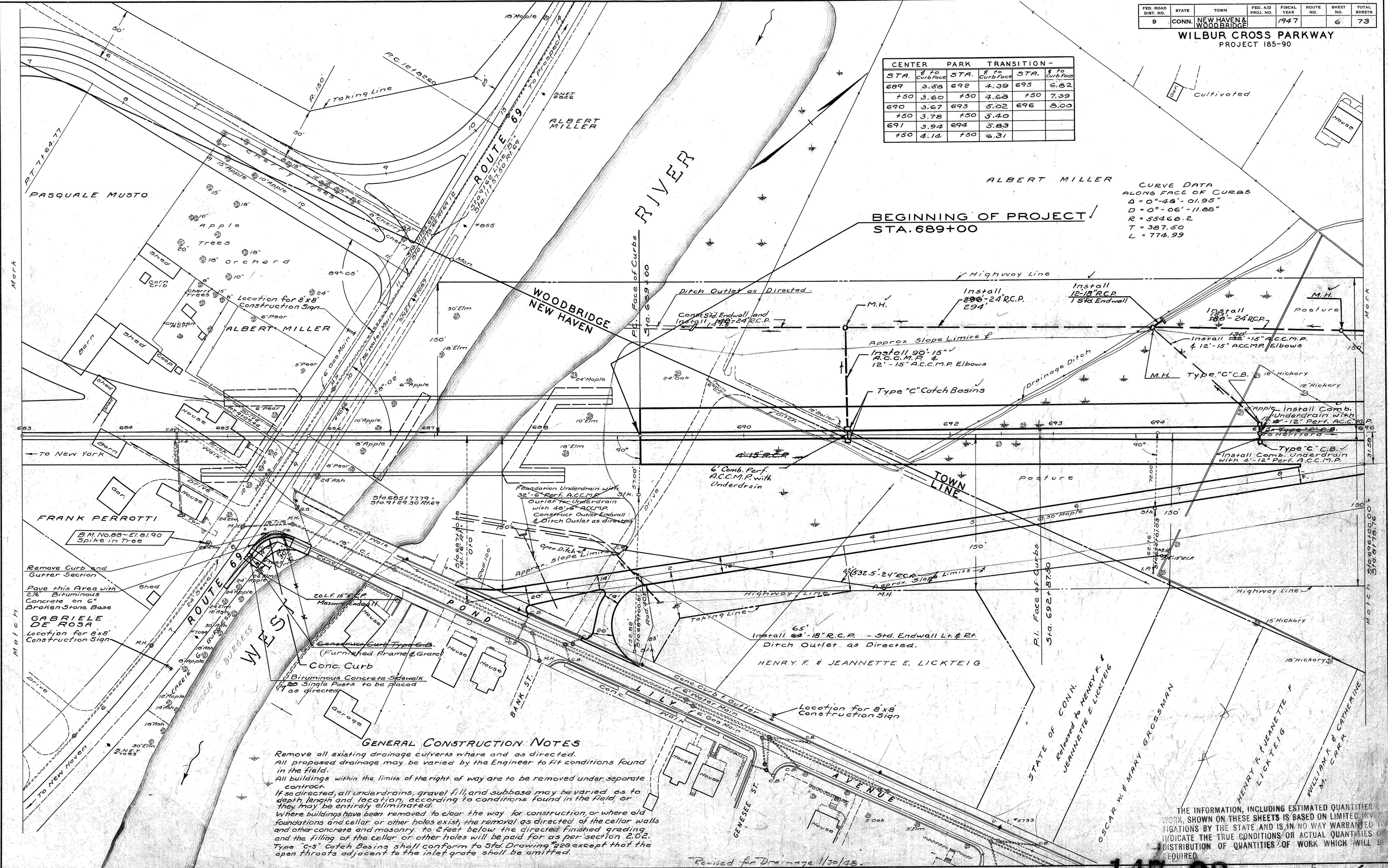
OF _____

WILBUR CROSS PARKWAY
PROJECT 185-90

CENTER PARK TRANSITION -					
STA.	ft to CurbFace	STA.	ft to CurbFace	STA.	ft to CurbFace
689	3.58	692	4.39	695	6.82
750	3.60	750	4.63	750	7.39
690	3.67	693	5.02	696	8.00
750	3.78	750	5.40		
691	3.94	694	5.83		
750	4.14	750	6.31		

CURVE DATA
ALONG FACE OF CURBS
 $\Delta = 0^{\circ}-48'-01.95''$
 $D = 0^{\circ}-06'-11.88''$
 $R = 55468.2$
 $T = 387.50$
 $L = 774.99$

BEGINNING OF PROJECT
STA. 689+00



GENERAL CONSTRUCTION NOTES

Remove all existing drainage culverts where and as directed.

All proposed drainage may be varied by the Engineer to fit conditions found in the field.

All buildings within the limits of the right of way are to be removed under separate contract.

If so directed, all underdrains, gravel fill, and subbase may be varied as to depth length and location, according to conditions found in the field, or they may be entirely eliminated.

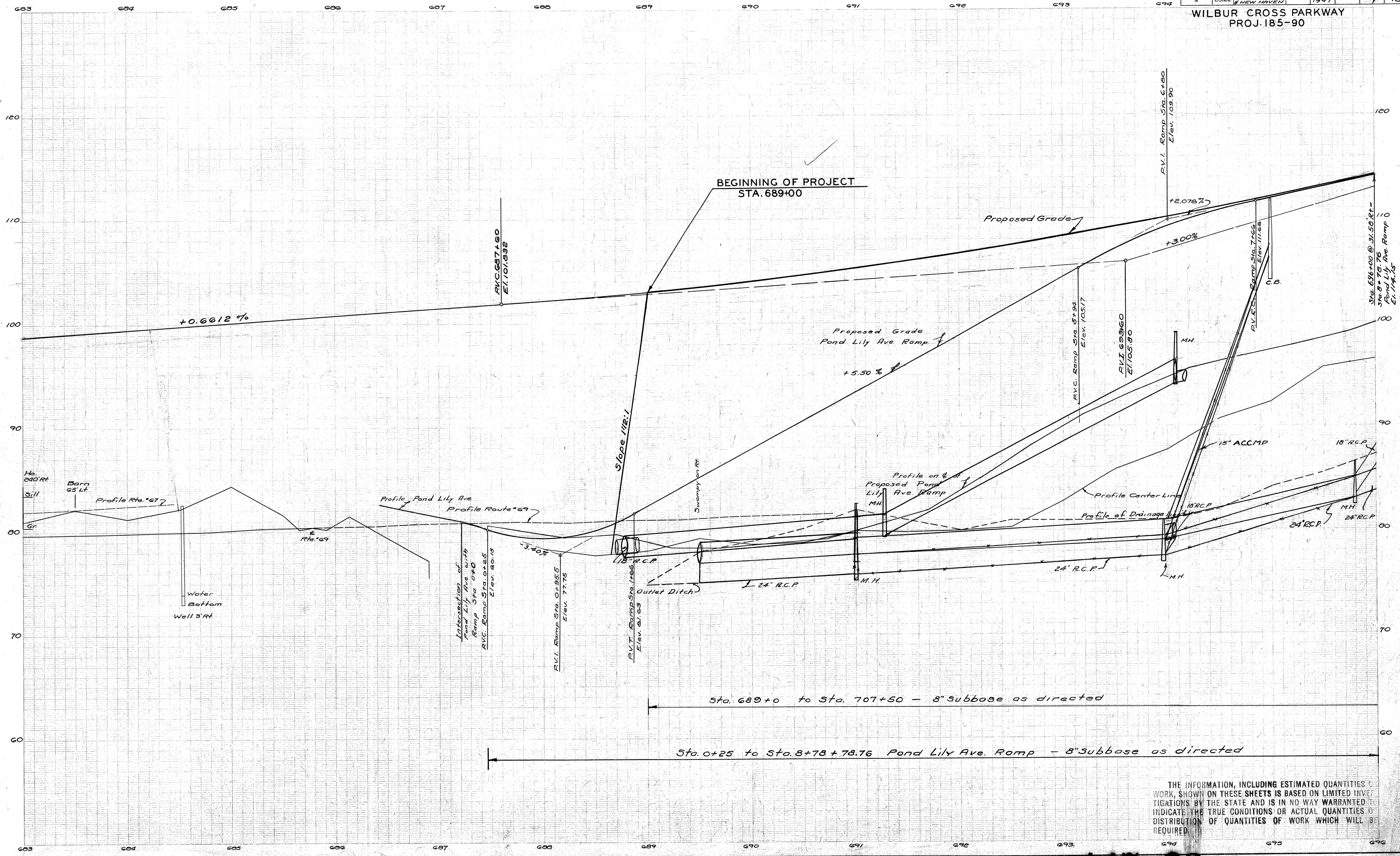
Where buildings have been removed to clear the way for construction or where old foundations and cellar or other holes exist, the removal as directed of the cellar walls and other concrete and masonry to 2 feet below the directed finished grading and the filling of the cellar or other holes will be paid for as per section 2.02.

Type "C-5" Catch Basins shall conform to Std. Drawing #228 except that the open throats adjacent to the inlet grate shall be omitted.

BY	DATE	CHECKED BY	DATE
Surveyed			
Plotted			
Traced			
Designed			
New Const. noted			

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WILBUR CROSS PARKWAY
PROJ. 185-90



DATE	
BY	
SURVEYED	
PLOTTED	
GRADES PLOTTED	
GRADES CHECKED	
B. ME. NOTED	
NOTE BOOK NO.	
PROFILE	

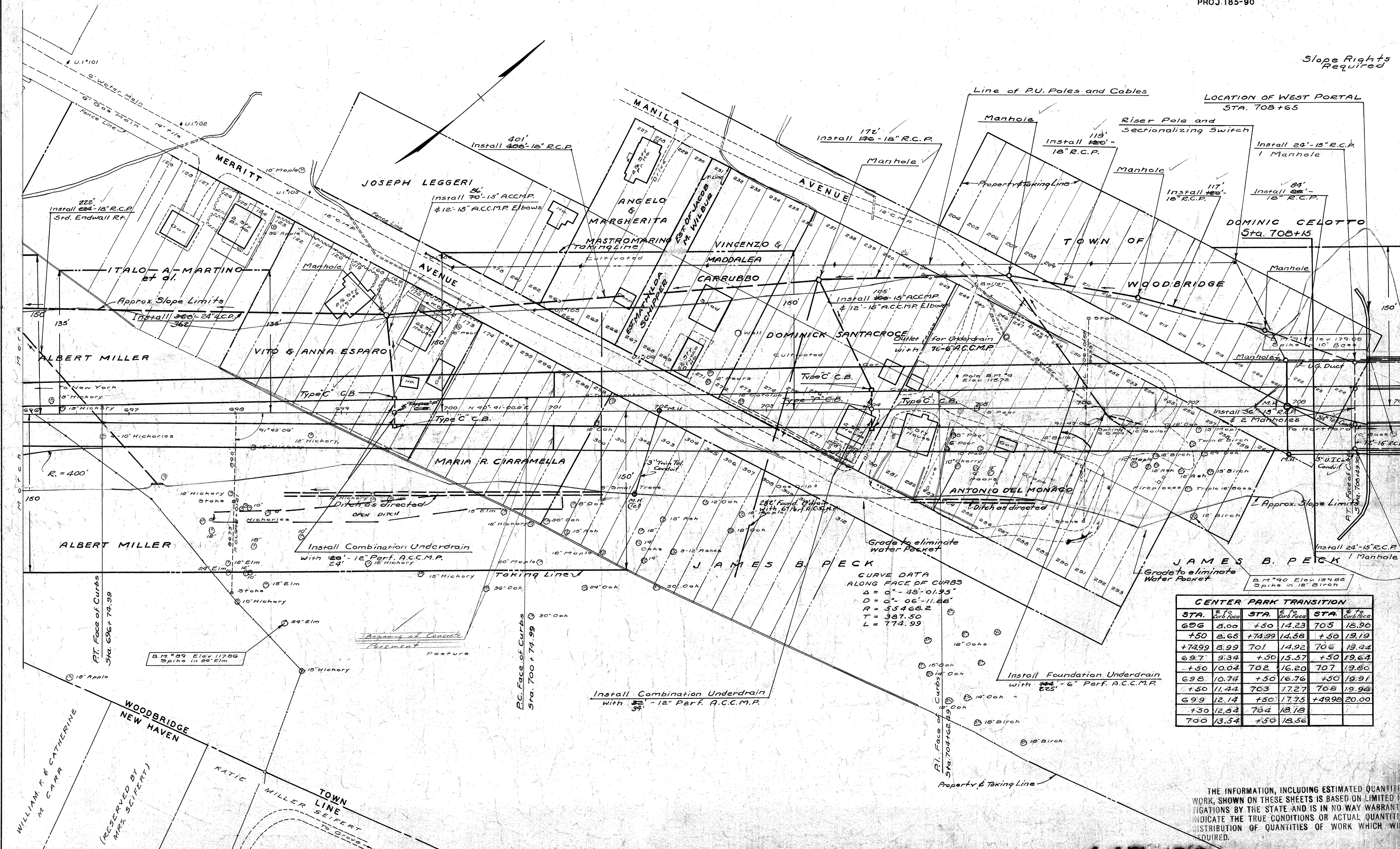
Sta. 689+0 to Sta. 707+50 - 8" Subbase as directed

Sta. 0+25 to Sta. 8+78+78.76 Pond Lily Ave. Ramp - 8" Subbase as directed

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WILBUR CROSS PARKWAY
PROJ. 185-90

Slope Rights Required



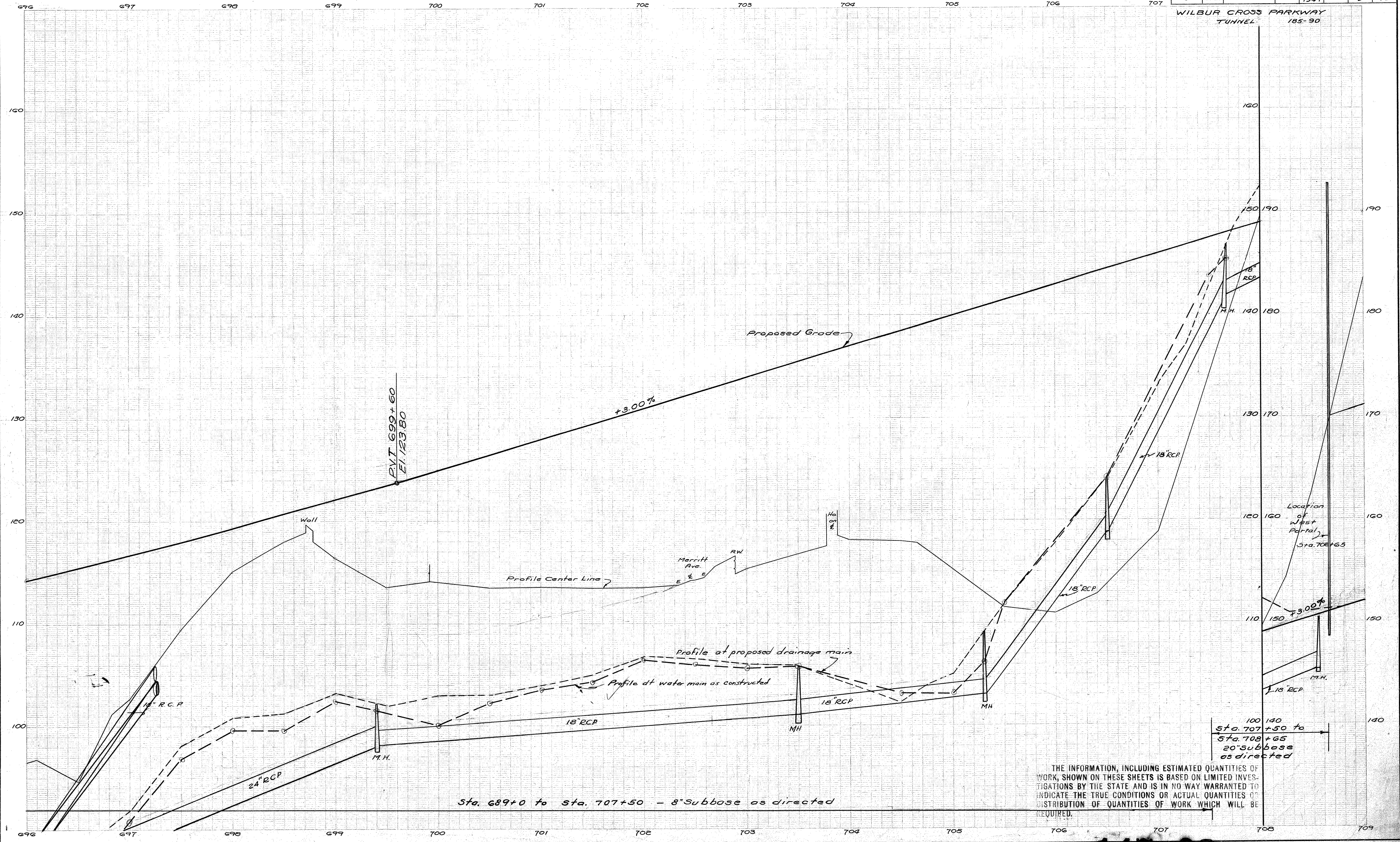
CURVE DATA
ALONG FACE OF CURBS
 $\Delta = 0^\circ - 48' - 01.95''$
 $D = 0^\circ - 06' - 11.68''$
 $R = 55468.2$
 $T = 387.50$
 $L = 774.99$

CENTER PARK TRANSITION					
STA.	E to Curbs Face	STA.	E to Curbs Face	STA.	E to Curbs Face
696	8.00	+50	14.23	705	16.90
+50	8.66	+74.99	14.58	+50	19.19
+74.99	8.99	701	14.92	706	19.44
697	9.34	+50	15.57	+50	19.64
+50	10.04	702	16.20	707	19.80
698	10.74	+50	16.76	+50	19.91
+50	11.44	703	17.27	708	19.98
699	12.14	+50	17.75	+4998	20.00
+50	12.84	704	18.18		
700	13.54	+50	18.56		

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PLAN	NO.	BY	DATE	CHECKED BY	DATE
Surveyed					
Plotted					
Line plotted					
Traced					
Structures noted					

WILBUR CROSS PARKWAY
TUNNEL
185-90



PROFILE NOTE BOOK NO.

Sta. 689+0 to Sta. 707+50 - 8" Subbase as directed

100 140
Sta. 707+50 to
Sta. 708+65
20" subbase
as directed

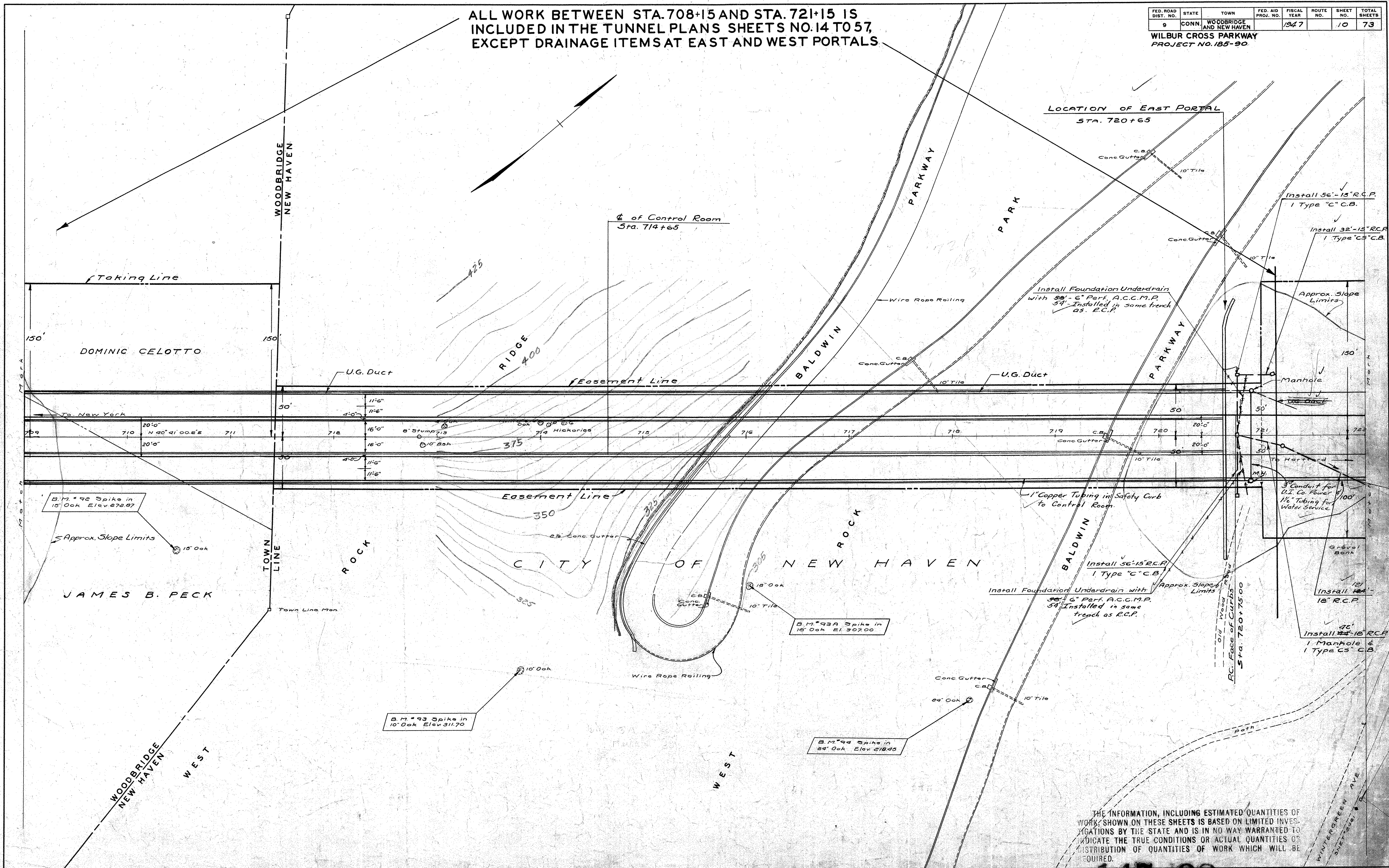
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ALL WORK BETWEEN STA. 708+15 AND STA. 721+15 IS INCLUDED IN THE TUNNEL PLANS SHEETS NO. 14 TO 57, EXCEPT DRAINAGE ITEMS AT EAST AND WEST PORTALS.

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	WOODBIDGE AND NEW HAVEN		1947		10	73

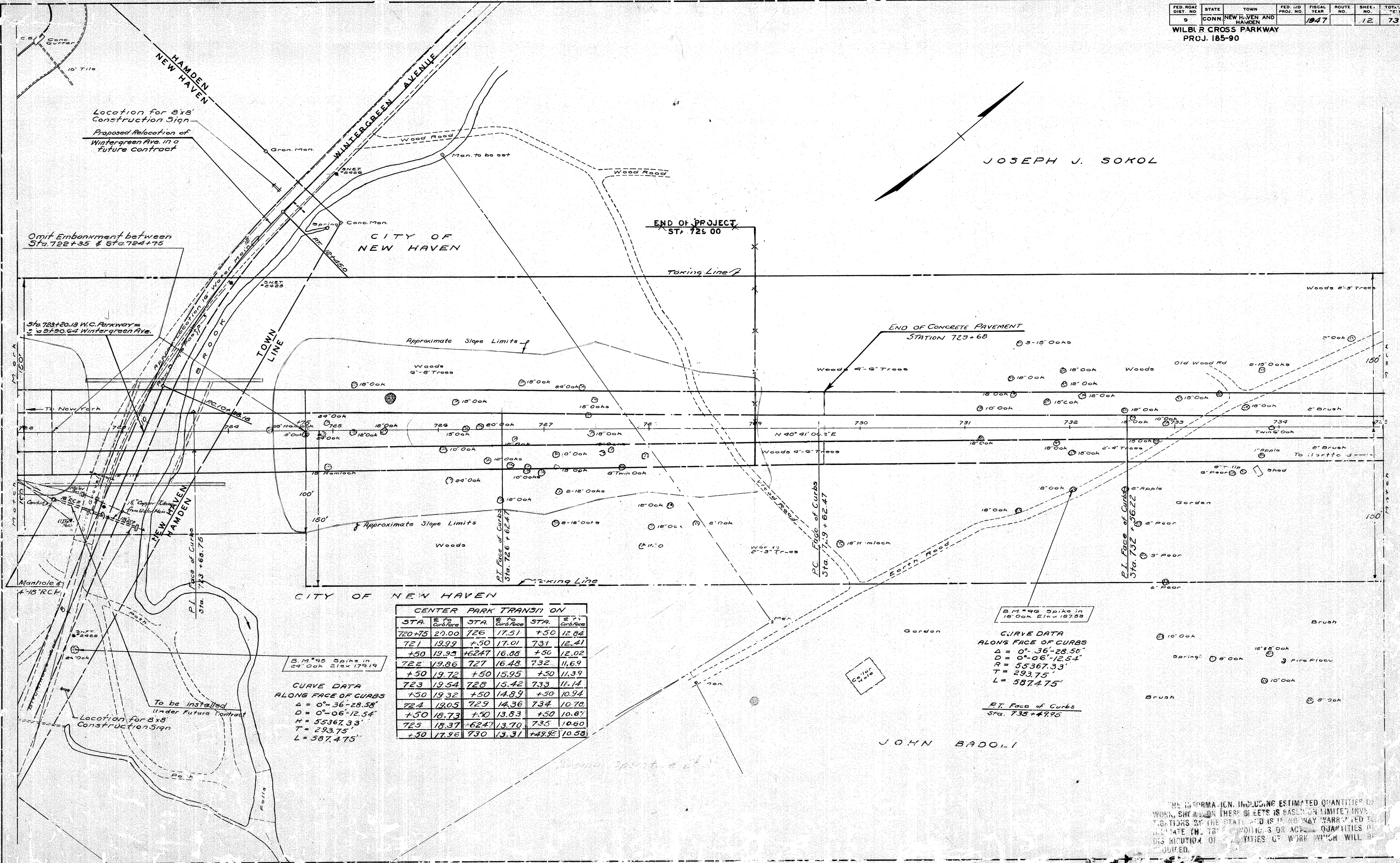
WILBUR CROSS PARKWAY
PROJECT NO. 185-90

PLAN	NOTE BOOK NO.
Surveyed	
Plotted	
Line plotted	
Traced	
Structures noted	



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JOSEPH J. SOKOL



B.M. 96 Spike in 18" Oak Elev 179.19

CURVE DATA ALONG FACE OF CURBS
 $\Delta = 0^{\circ}-36'-28.58''$
 $D = 0^{\circ}-06'-12.54''$
 $H = 55367.33'$
 $T = 293.75'$
 $L = 587.475'$

CENTER PARK TRANSITION

STA.	E. TO CURBFACE	STA.	E. TO CURBFACE	STA.	E. TO CURBFACE
720+75	29.00	726	17.51	+50	12.84
721	19.99	+50	17.01	731	12.41
+50	19.95	+62.47	16.88	+50	12.02
722	19.86	727	16.48	732	11.69
+50	19.72	+50	15.95	+50	11.39
723	19.54	728	15.42	733	11.14
+50	19.32	+50	14.89	+50	10.94
724	19.05	729	14.36	734	10.78
+50	18.73	+50	13.83	+50	10.67
725	18.37	+62.47	13.70	735	10.60
+50	17.96	730	13.31	+49.95	10.58

CURVE DATA ALONG FACE OF CURBS
 $\Delta = 0^{\circ}-36'-28.50''$
 $D = 0^{\circ}-06'-12.54''$
 $R = 55367.33'$
 $T = 293.75'$
 $L = 587.475'$

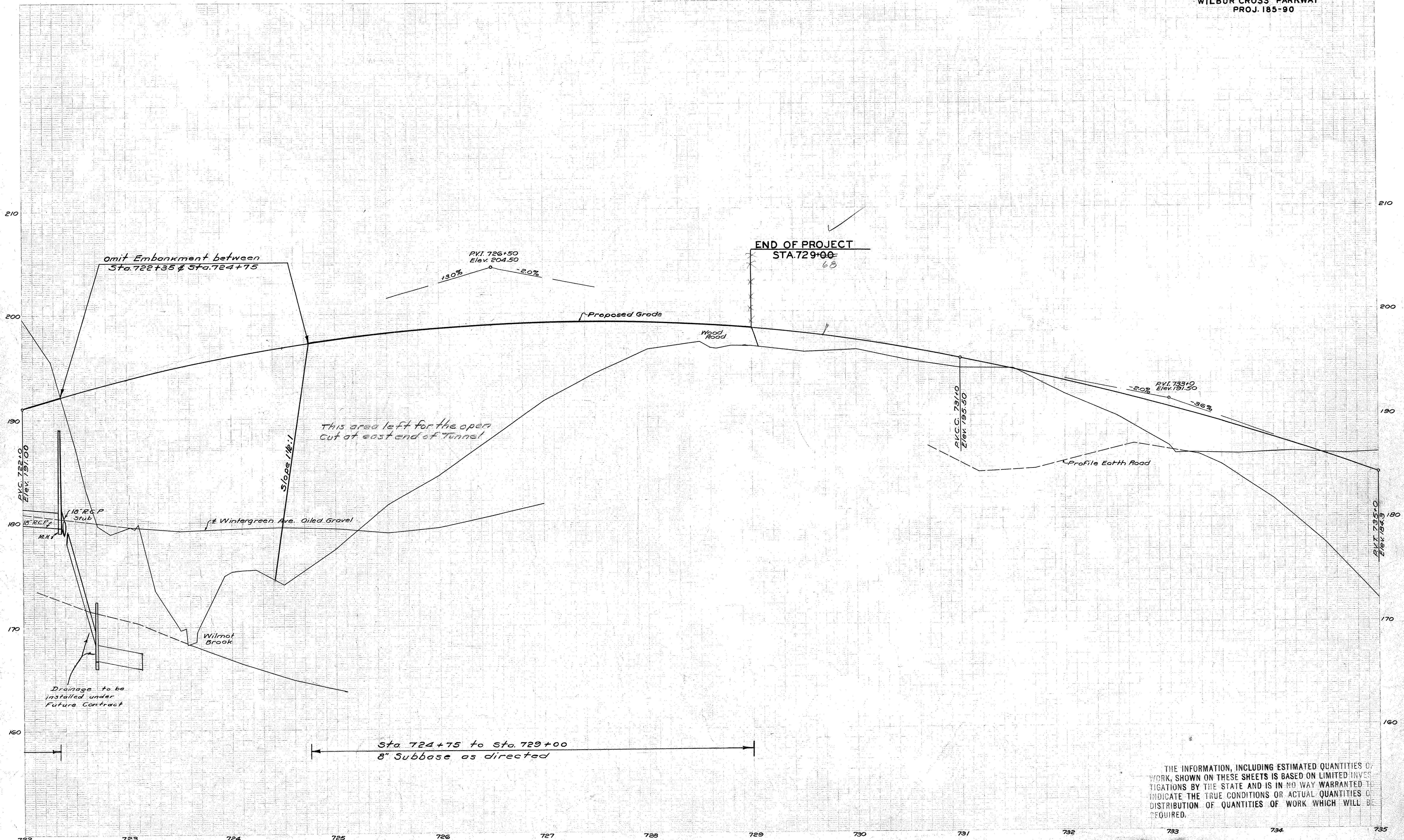
RT. Face of Curbs
Sta. 735+49.95

JOHN BADOLI

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NOTE: B.C. Lines plotted on this sheet.

WILBUR CROSS PARKWAY
PROJ. 185-90

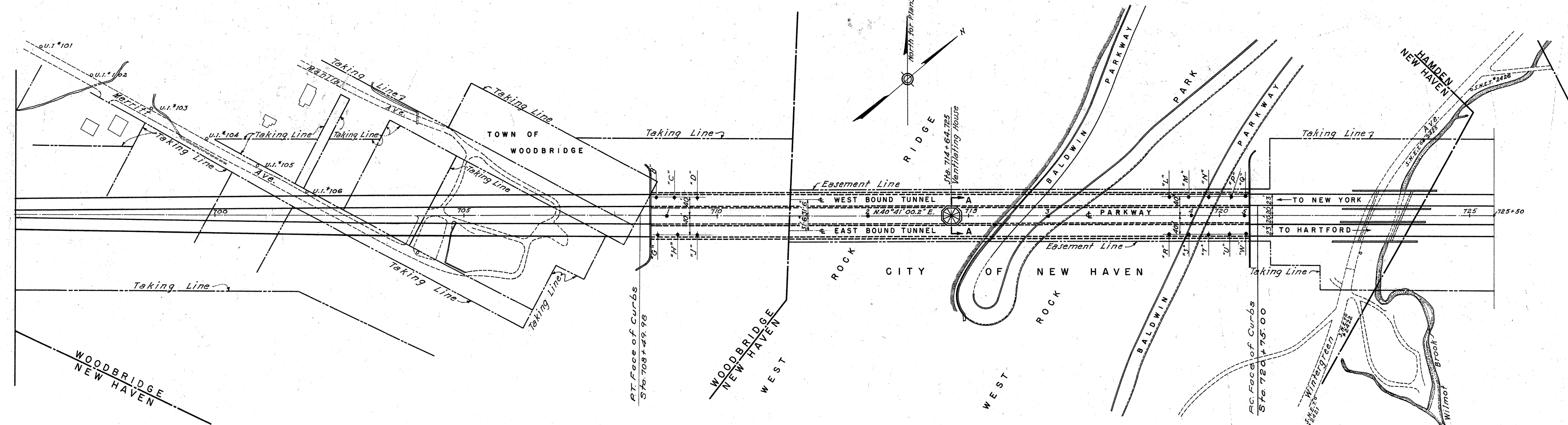


DATE	
BY	
PROFILER	
NOTE BOOK NO.	
SURVEYED	
PLOTTED	
GRADES CHECKED	
BY	
DATE	

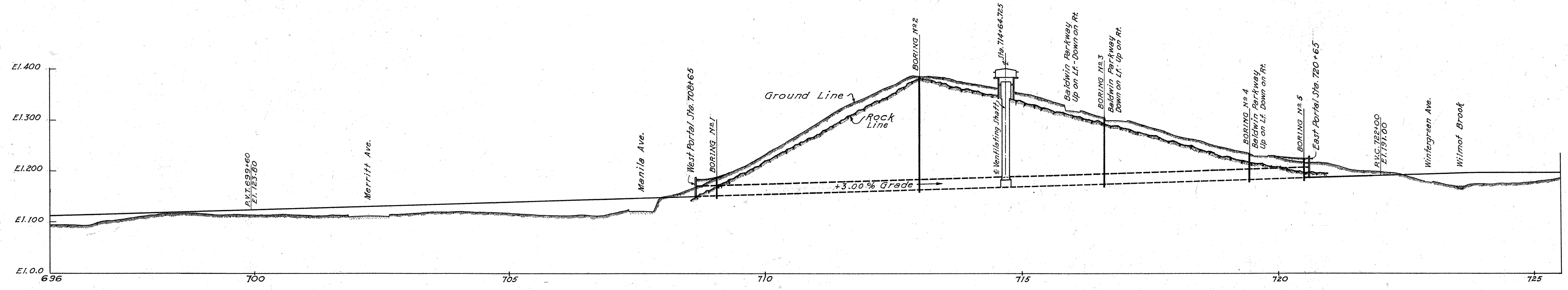
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9	CON N.	NEW HAVEN		1947		14	73

PROJECT NO. 185-90
NO REVISIONS SUBMITTED FOR THIS SHEET



PLAN
~Scale 1"=100'~



ELEVATION ALONG & PARKWAY

Scale { HOR. 1"=100'
VERT. 1"=100'

NOTE:
For stationing and details of Borings "B", "C", "D" etc.
and 1, 2, 3, 4 & 5, see Sheet No. 3
For Section "A-A" see Sheet No. 31

~GENERAL NOTES~

This Project to be constructed under the Standard Specifications of the State of Connecticut, Form #801 dated March 1947, and special provisions. Dimensions of reinforcement are to center line of reinforcement bars unless otherwise noted. All bars are deformed bars with splices lapped 45 diameters and placed in contact and wired together, unless otherwise noted. Where Bagged Screened Gravel is specified the contractor has the option of furnishing Screened Gravel or Crushed Stone. The gradation shall be nominal 3/4" in either case.

Adequate keys shall be provided at all construction joints. Construction joints other than those shown will not be permitted without written approval of the Engineer. For definition of "A" Line and "B" Line see Supplementary Specifications, Special Provisions. Item of Joint Filler For Bridges shall include that required for outside edges of pavement. All Joint Filler shall be premoistened bituminous type of the sizes specified.

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CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL GENERAL PLAN	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE <u>As Noted</u>	PROJECT NO. _____
MADE BY <u>A.H.R.</u>	TUNNEL SHEET NO. _____
CHECKED BY <u>G.V.</u>	DATE _____
APPROVED _____	1 of 44

LIST OF DRAWINGS

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		15	73

PROJECT NO. 185-90

SHEET NO.	TITLE
<u>GENERAL</u>	
1	GENERAL PLAN
2	LIST OF DRAWINGS AND SUMMARY OF QUANTITIES
3	BORINGS
<u>ARCHITECTURAL</u>	
4	WEST PORTAL-PLAN AND ELEVATIONS
5	EAST PORTAL-PLAN AND ELEVATIONS
6	ARCHITECTURAL DETAILS-WEST PORTAL ARCH
7	ARCHITECTURAL DETAILS-EAST PORTAL ARCH
8	ARCHITECTURAL DETAILS-TURRETS
9	ARCHITECTURAL DETAILS-TURRETS
10	MISCELLANEOUS STONE DETAILS
11	TILE AND GRILLE DETAILS-TUNNEL WALLS
12	CONTROL ROOM DETAILS
13	VENTILATING HOUSE
<u>GRADING</u>	
14	WEST PORTAL GRADING PLAN I
15	WEST PORTAL GRADING PLAN II
16	EAST PORTAL GRADING PLAN I
17	EAST PORTAL GRADING PLAN II
18	GRADING CROSS SECTIONS
<u>STRUCTURAL</u>	
19	WEST AND EAST PORTALS-PROFILES
20	WEST PORTAL
21	WEST PORTAL-SECTIONS

SHEET NO.	TITLE
<u>STRUCTURAL - CONTINUED</u>	
22	WEST PORTAL-SECTIONS
23	WEST PORTAL-SECTIONS AND PORTAL DRAINAGE
24	EAST PORTAL
25	EAST PORTAL-SECTIONS
26	EAST PORTAL-SECTIONS
27	EAST PORTAL-SECTIONS, DETAILS AND PORTAL DRAINAGE
28	CONCRETE DETAILS AT TURRETS
29	TYPICAL TUNNEL SECTION TYPE I
30	SPECIAL TUNNEL SECTIONS TYPE II & TYPE III
31	VENTILATING SHAFT AND CONTROL ROOM
32	VENTILATING HOUSE-FRAMING PLAN
<u>MECHANICAL</u>	
33	CONTROL ROOM
34	DRAINAGE
35	VENTILATION
36	DETAILS OF FAN
<u>ELECTRICAL</u>	
37	WIRING DIAGRAM
38	PULL BOX DETAILS
39	CONDUIT PLAN-TUNNEL
40	CONDUIT DETAILS
41	LIGHTING
42	FEEDER CABLE PLAN
43	CONTROL ROOM CONDUIT PLAN
44	GENERAL ARRANGEMENT PLAN-CONTROL ROOM

SUMMARY OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY
130	PORTLAND CEMENT	bbl.	21,750
141	JOINT FILLER FOR BRIDGES	s.f.	700
153	DEFORMED STEEL BARS	lb.	673,000
163	MEMBRANE WATERPROOFING	s.y.	1,500
164	METAL FLASHING	lb.	1,000
179	BROKEN STONE FOR BASE	ton	2,860
188	TRANSVERSE EXPANSION JOINT	l.f.	260
191	MAT REINFORCEMENT FOR CONCRETE PAVEMENT	s.y.	6,200
192	STEEL TIE BARS	lb.	1,600
195	CONCRETE FOR PAVEMENT	c.y.	1,380
245	CONCRETE GUTTER	s.y.	350
300 A	PORTAL EXCAVATION	c.y.	29,150
300 B	BAGGED SCREENED GRAVEL	c.y.	530
301	TUNNEL EXCAVATION	c.y.	51,300
302	SHAFT EXCAVATION	c.y.	1,560
303	ROCK EXCAVATION FOR ENLARGEMENTS OF TUNNEL AND VENTILATING SHAFT	c.y.	150
304	PROTECTIVE COATINGS OF CEMENT MORTAR	c.y.	50
305	STEEL ARCH RIBS, SILLS AND COLUMNS	lbs.	365,000
306	PERMANENT TIMBER LAGGING	m.f.b.m.	20
307	STONE PACKING	c.y.	300
308	DRILLING HOLES IN ROCK	l.f.	1,500

ITEM NO	DESCRIPTION	UNIT	QUANTITY
309	GROUT	c.y.	100
310	SAND FOR GROUT	c.y.	100
311	STEEL PIPES FOR GROUTING AND PANNING	l.f.	1,000
312	SHEET STEEL FOR PANNING	lbs.	1,000
313	DOWEL RODS	l.f.	500
314	CONCRETE LINING OF TUNNEL	c.y.	8,820
315	CONCRETE IN PORTALS	c.y.	2,950
316	CONCRETE LINING OF VENTILATING SHAFT	c.y.	820
317	WIRE MESH	lbs.	7,500
318	TUNNEL DRAINAGE SYSTEM	l.s.	
319 A	PORTAL DRAINAGE SYSTEM, 6" V.C. PIPE	l.f.	430
319 B	PORTAL DRAINAGE SYSTEM, 6" C.I. PIPE	l.f.	120
320	GLAZED TILE FACING	s.y.	4,500
321	INTERCEPTING DITCH, STONE MASONRY PAVED (ON HILLSIDE)	s.y.	510
322	BALDWIN PARKWAY DRAINAGE SYSTEM	l.s.	
323	RANDOM ASHLAR STONE MASONRY	c.y.	280
324	DIMENSION STONE MASONRY	c.y.	250
325	CONCRETE SAFETY CURB	c.y.	1,600
326	VENTILATING HOUSE	l.s.	
327	MISCELLANEOUS TUNNEL WORK	l.s.	
328	VENTILATING SYSTEM	l.s.	
329	TUNNEL ELECTRICAL SYSTEM	l.s.	

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CONNECTICUT
STATE HIGHWAY DEPARTMENT

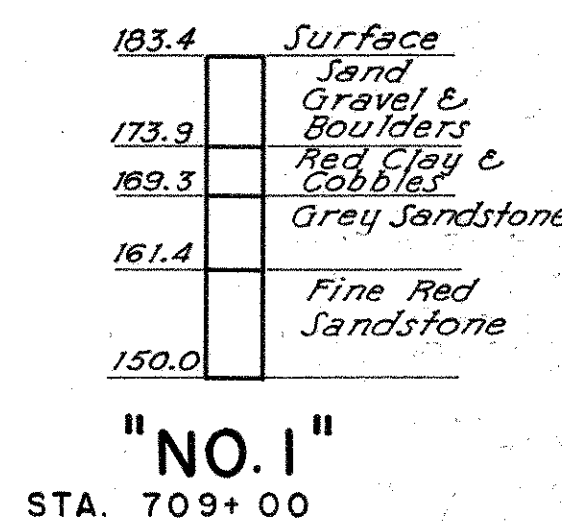
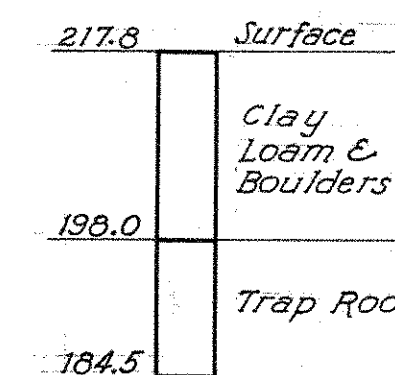
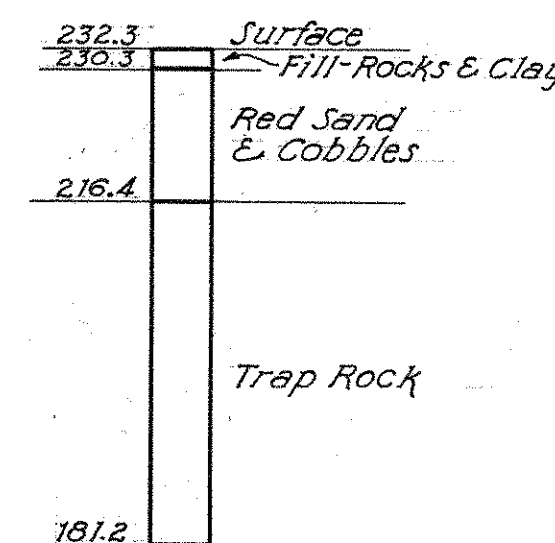
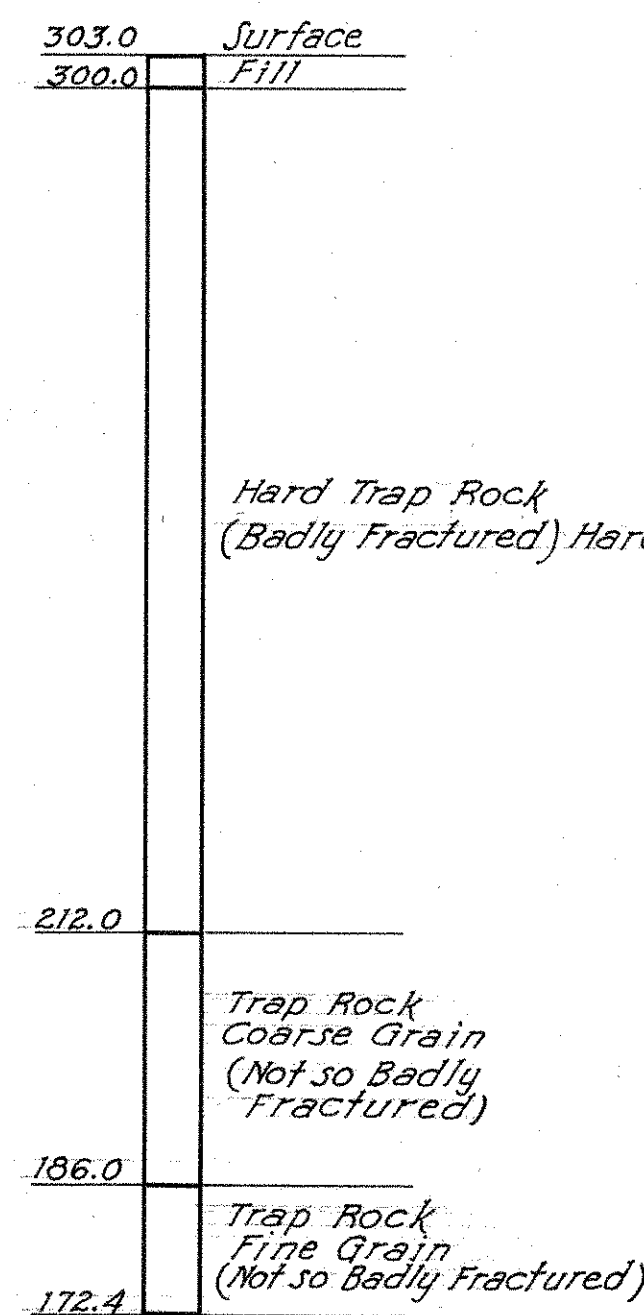
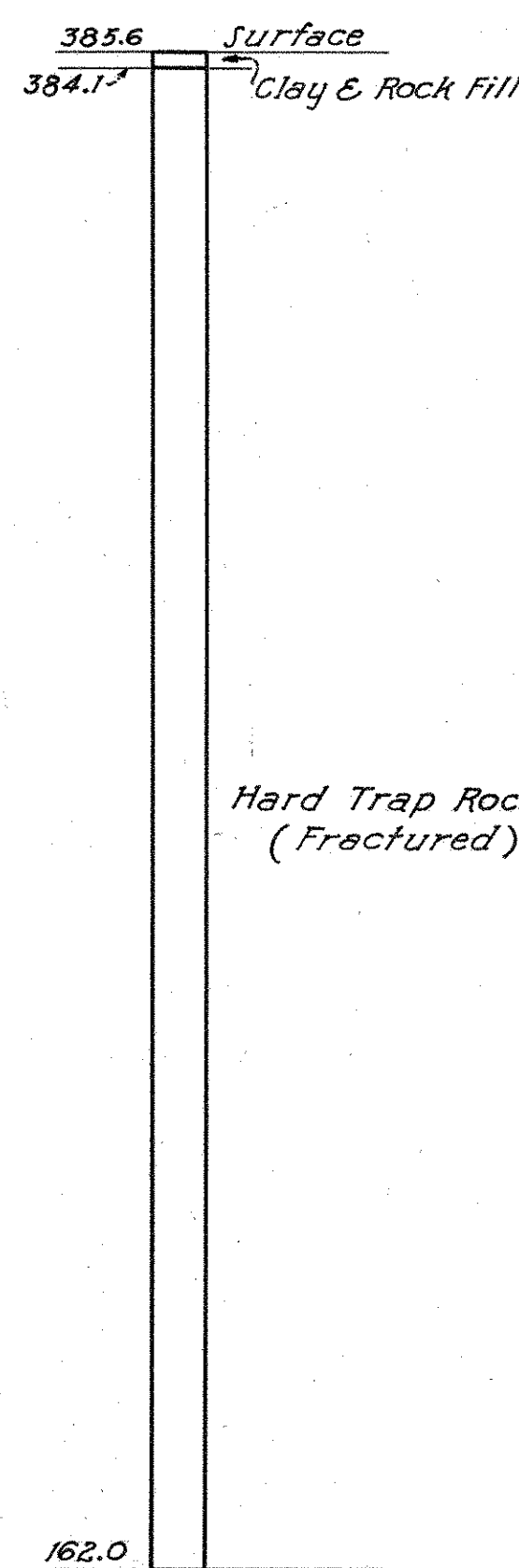
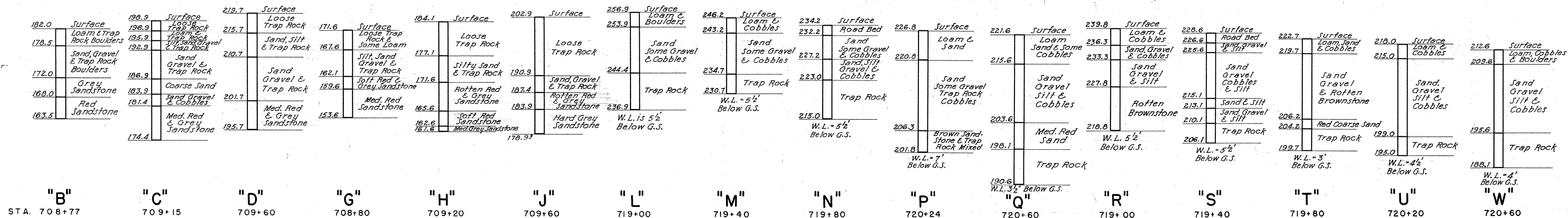
WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
LIST OF DRAWINGS AND
SUMMARY OF QUANTITIES

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD
ENGINEERS
NEW YORK, N.Y.

SCALE _____	PROJECT NO. _____
MADE BY <u>A.H.P.</u>	TUNNEL SHEET NO. _____
CHECKED BY <u>G.V.</u>	2 of 44
APPROVED _____ DATE _____	

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CON N.	NEW HAVEN		1947		16	73

PROJECT NO. 185-90



Note: For Location see General Plan - Sheet N&I

-LEGEND-
W.L. = Water Level
G.S. = Ground Surface

CONNECTICUT STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY WEST ROCK TUNNEL BORINGS

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.

SCALE 1" = 10' Vert.
MADE BY R.C.
CHECKED BY A.T.W.
APPROVED _____ DATE _____

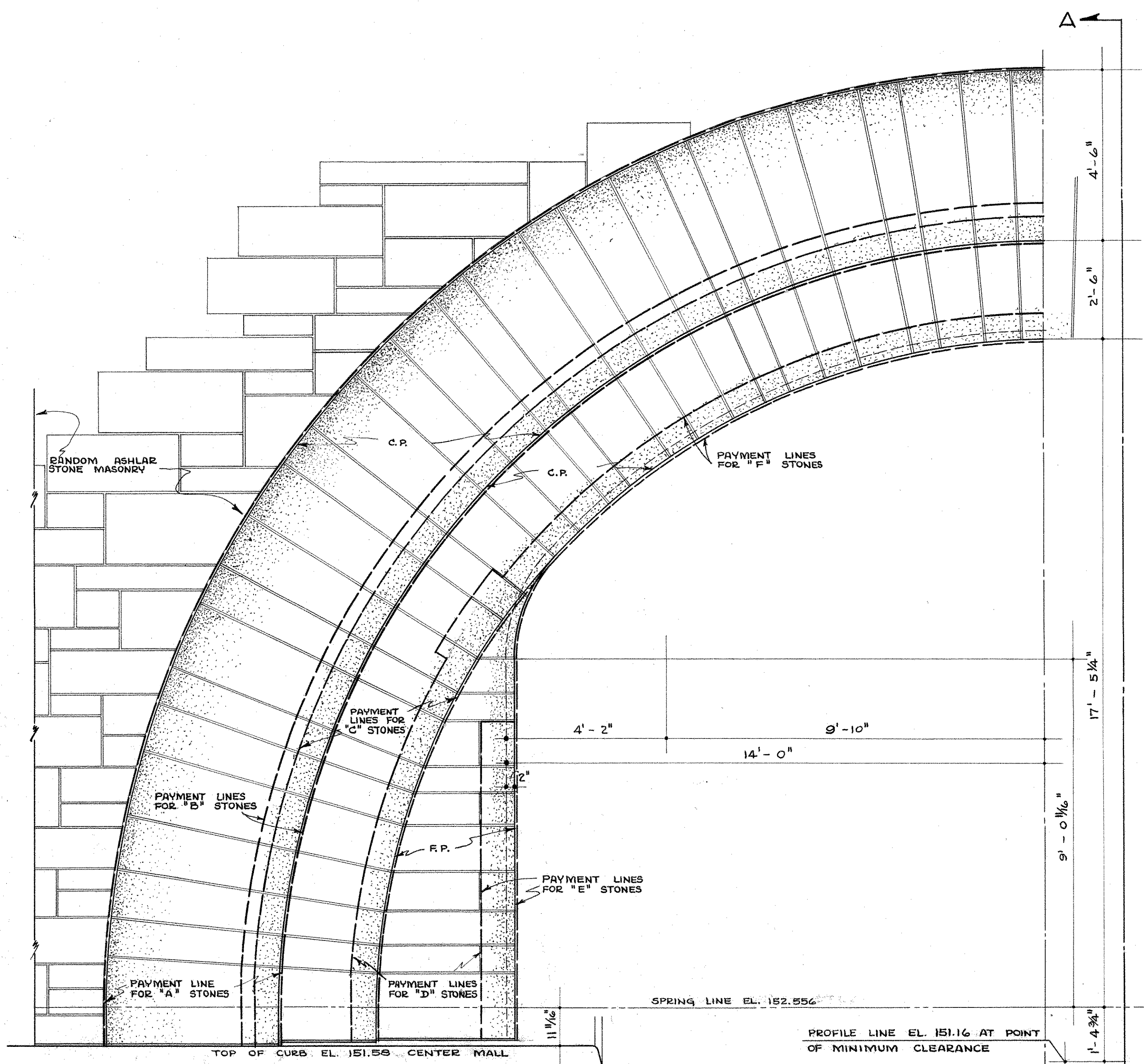
PROJECT NO. _____
TUNNEL SHEET NO. **3 OF 44**

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

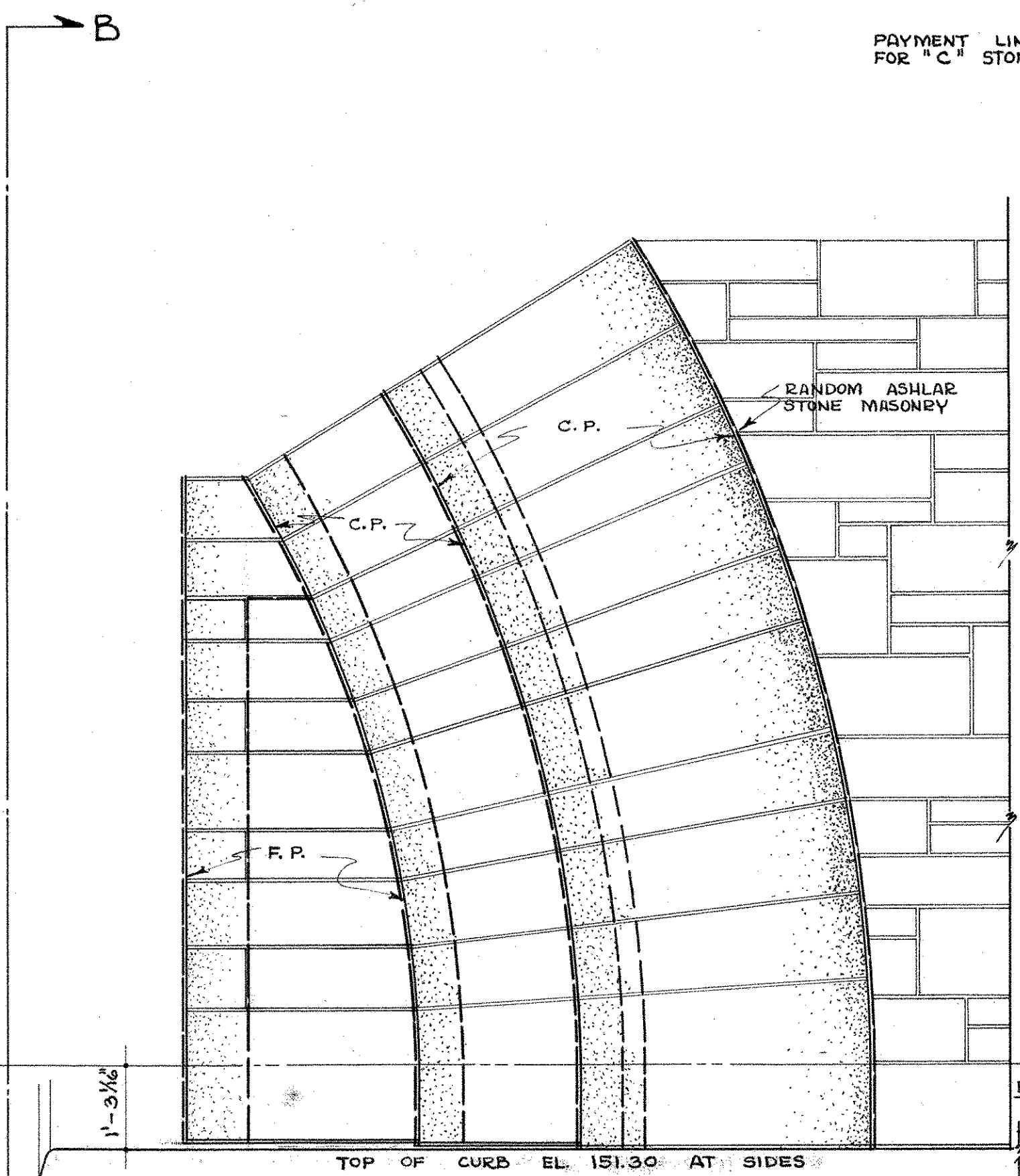
FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		19	73

PROJECT NO. 185-90

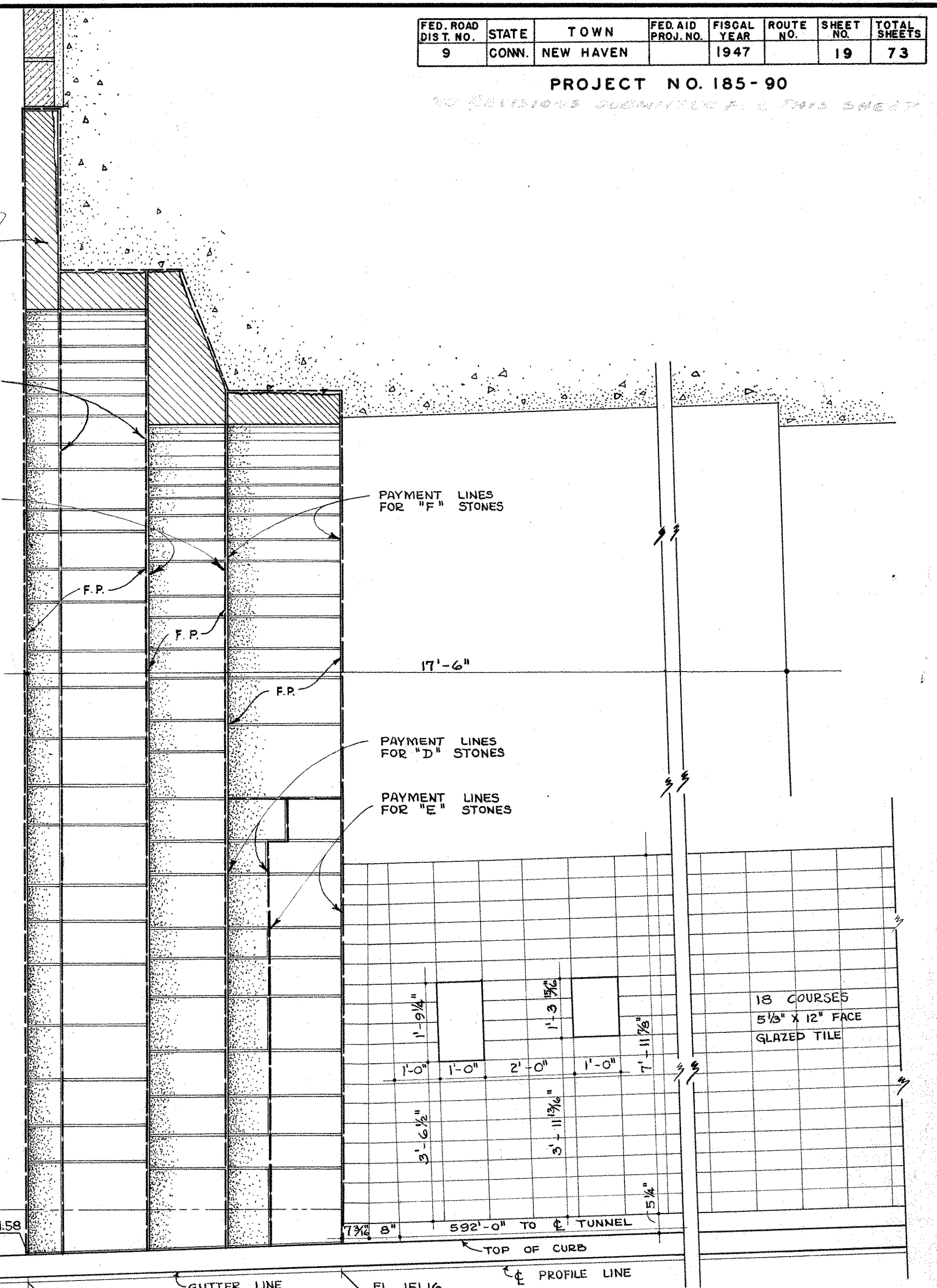
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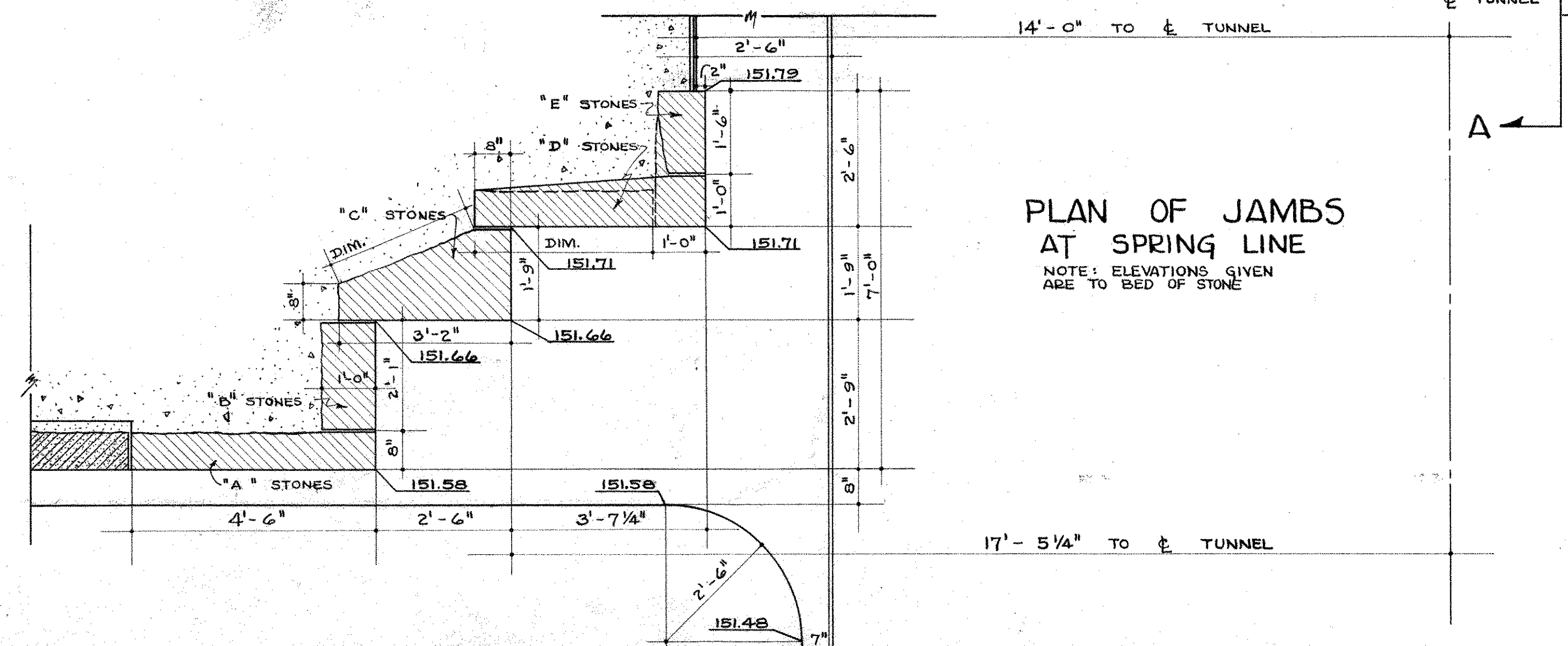
1/2 ELEVATION AT CENTER MALL



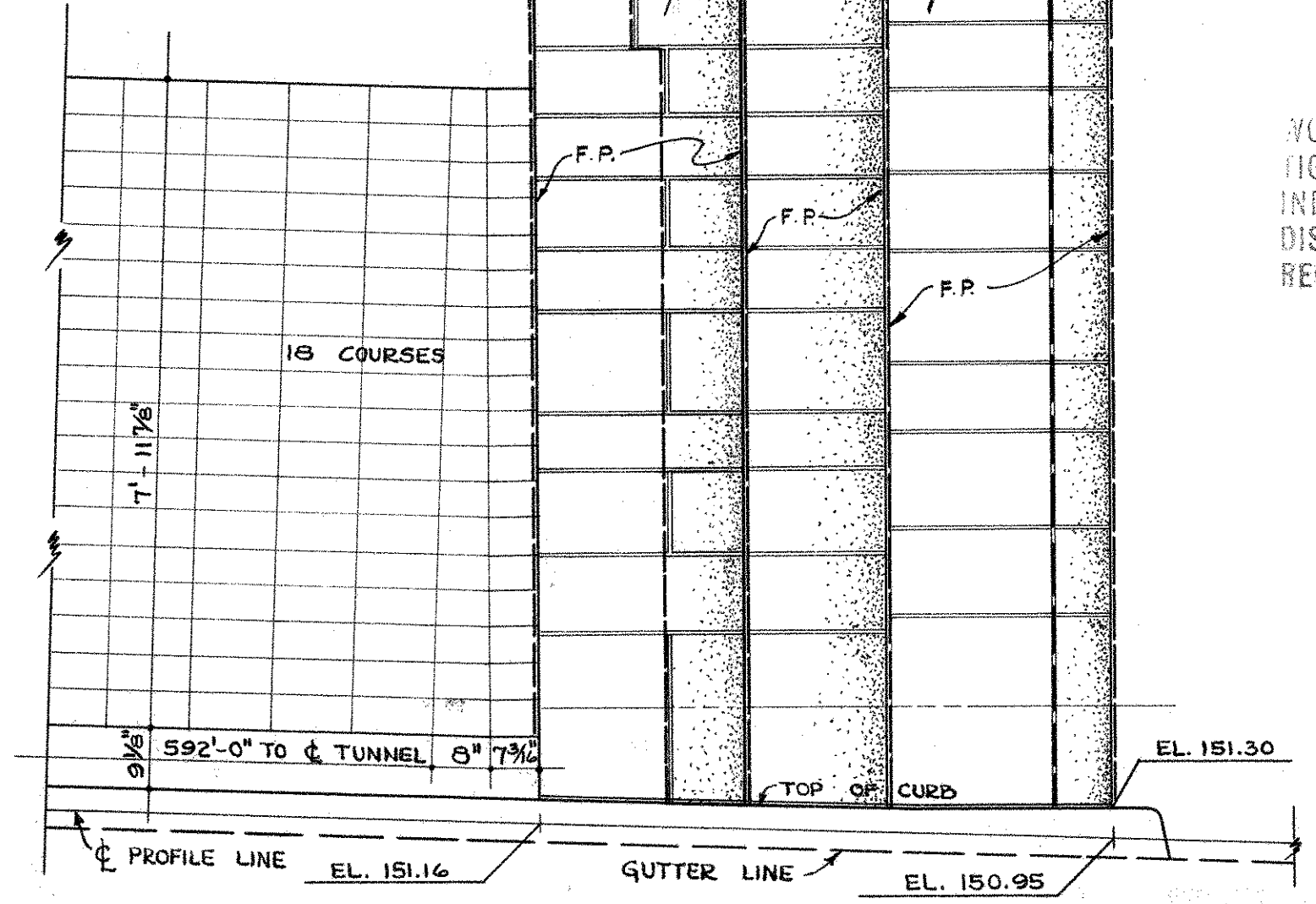
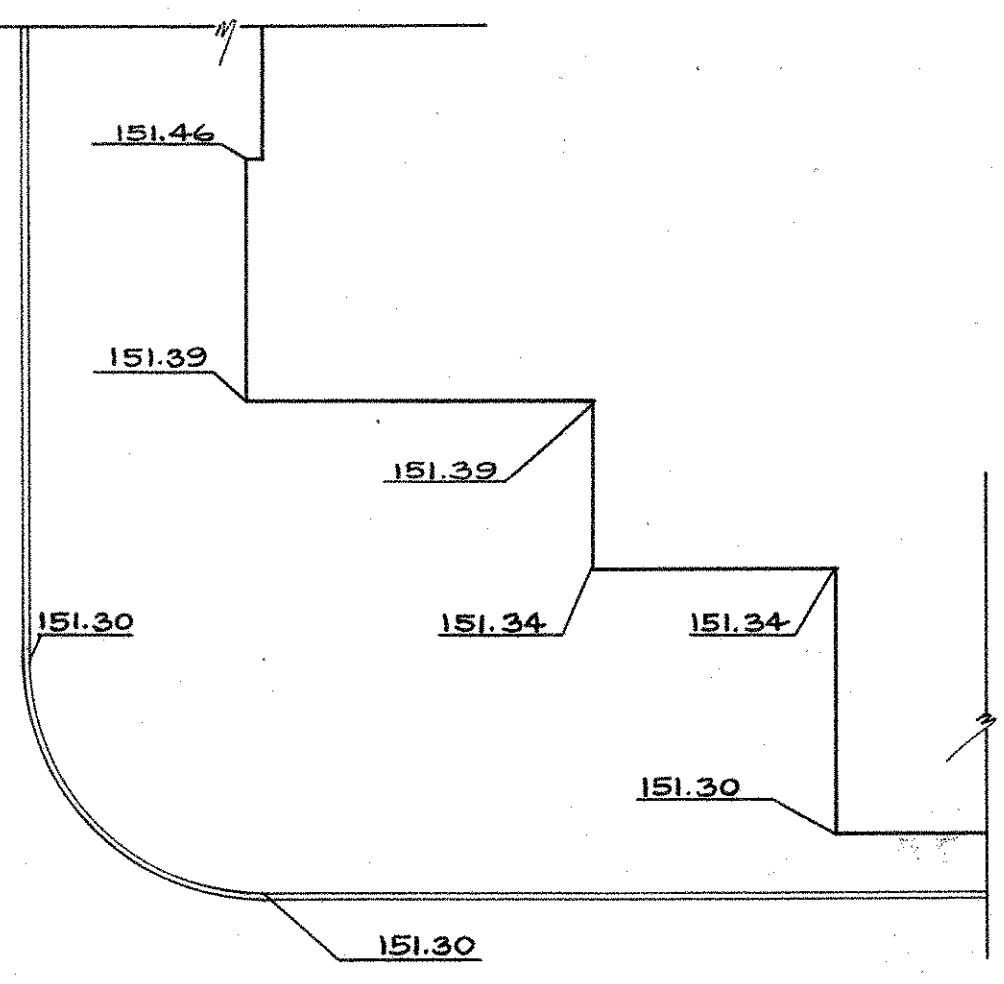
PART ELEVATION AT SIDES



SECTION A-A



PLAN OF JAMBS AT SPRING LINE
NOTE: ELEVATIONS GIVEN ARE TO BED OF STONE



SECTION B B

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

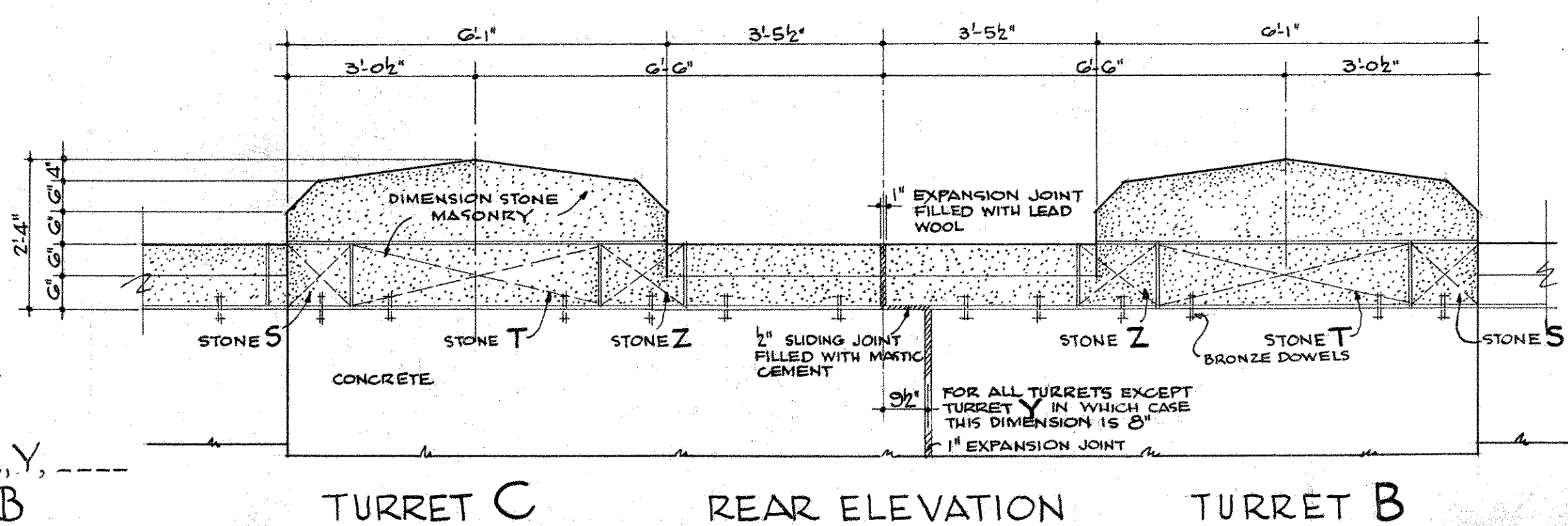
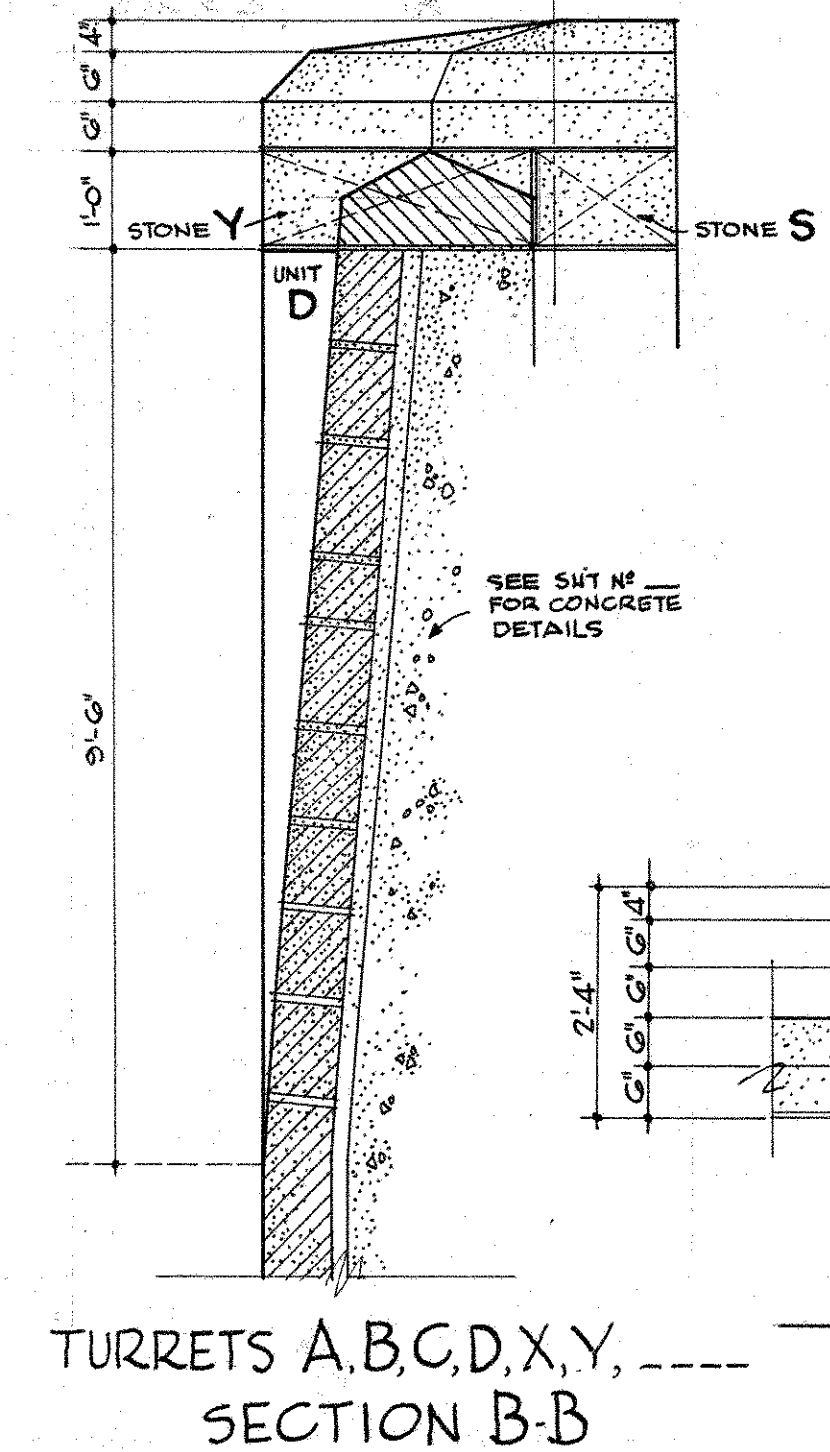
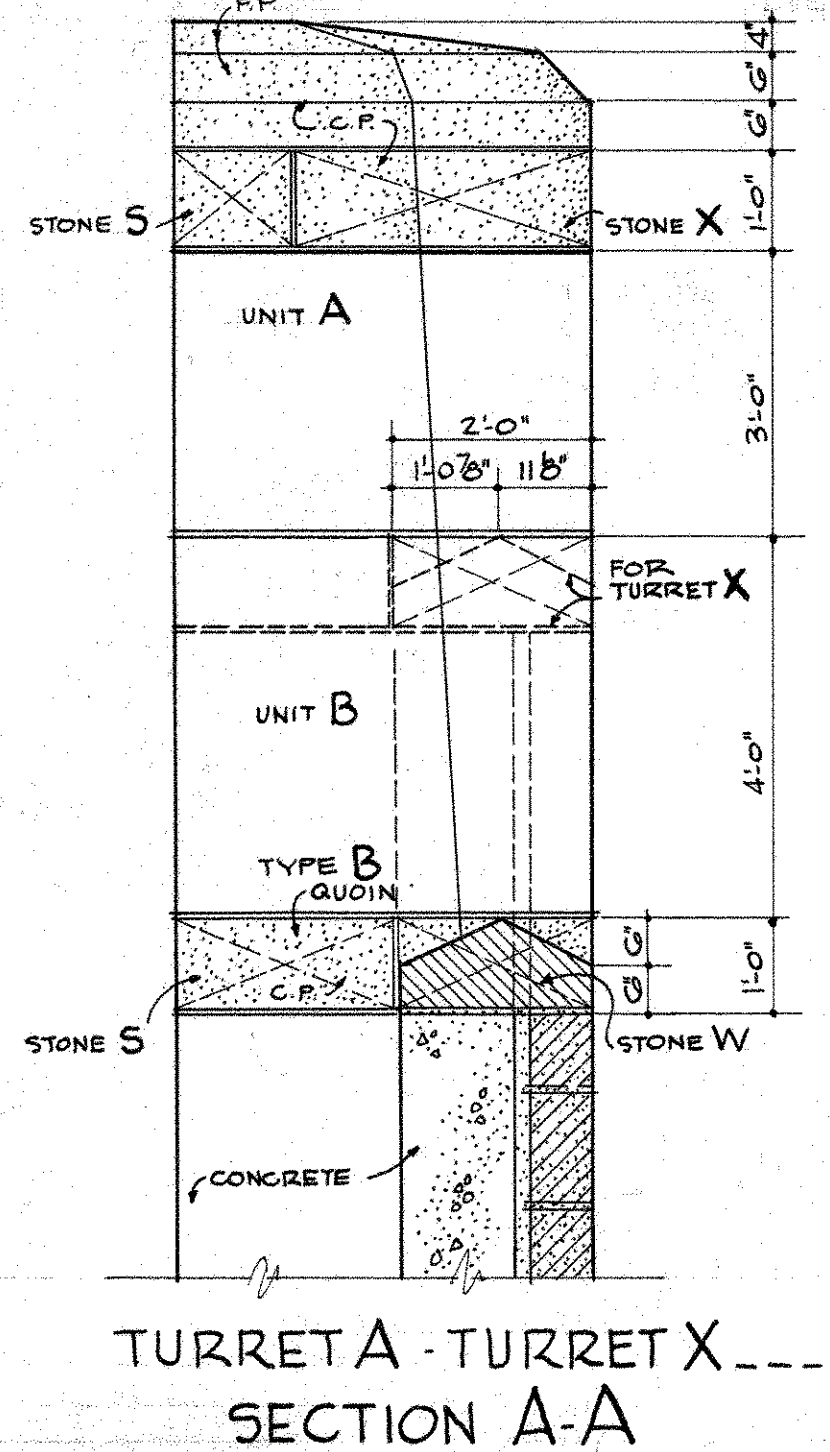
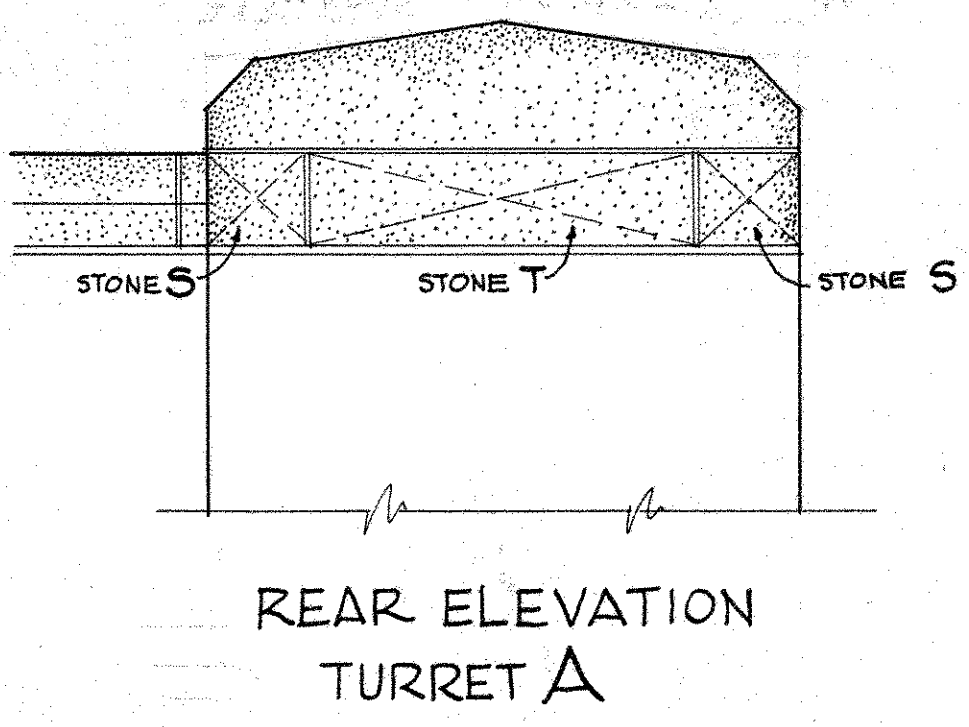
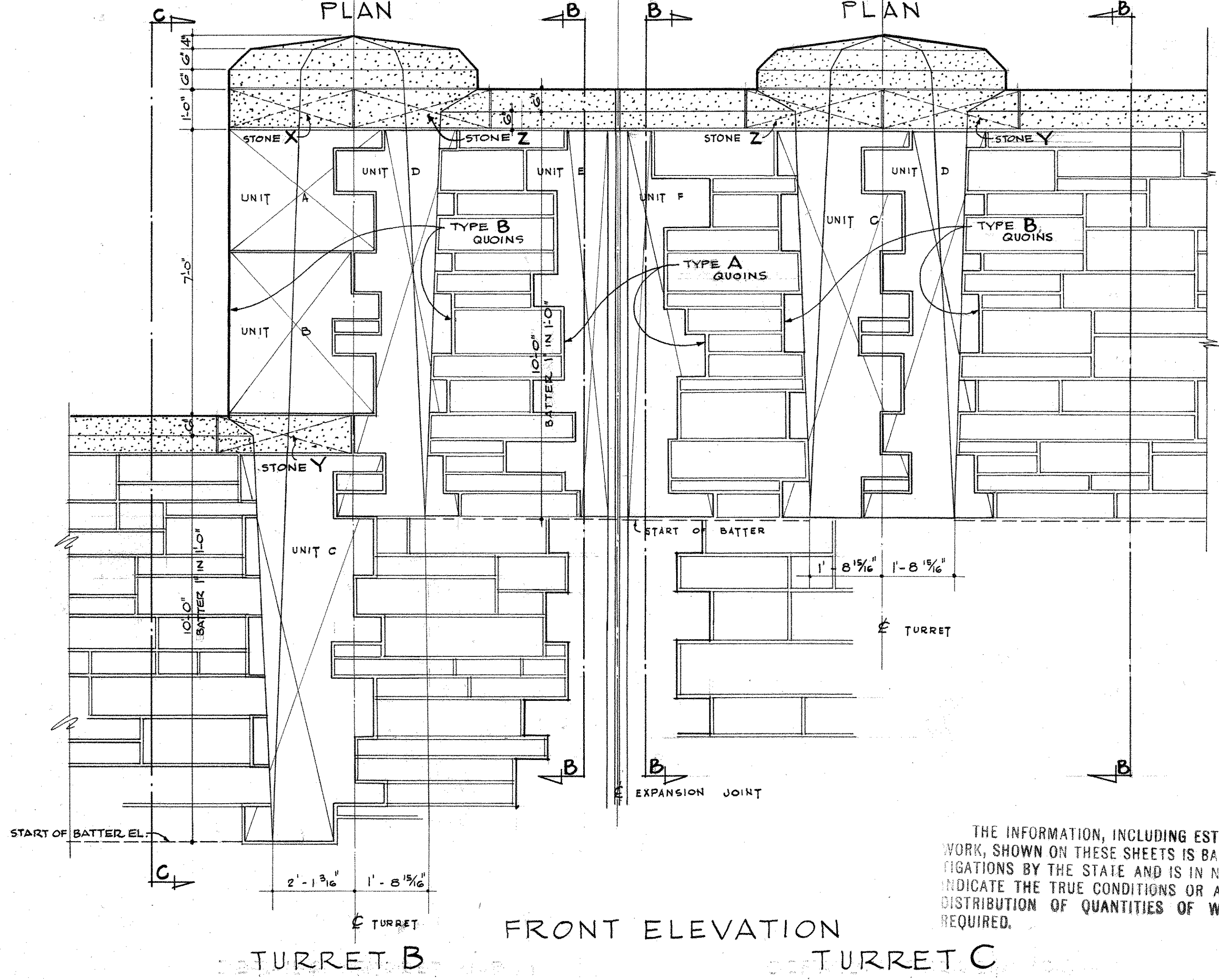
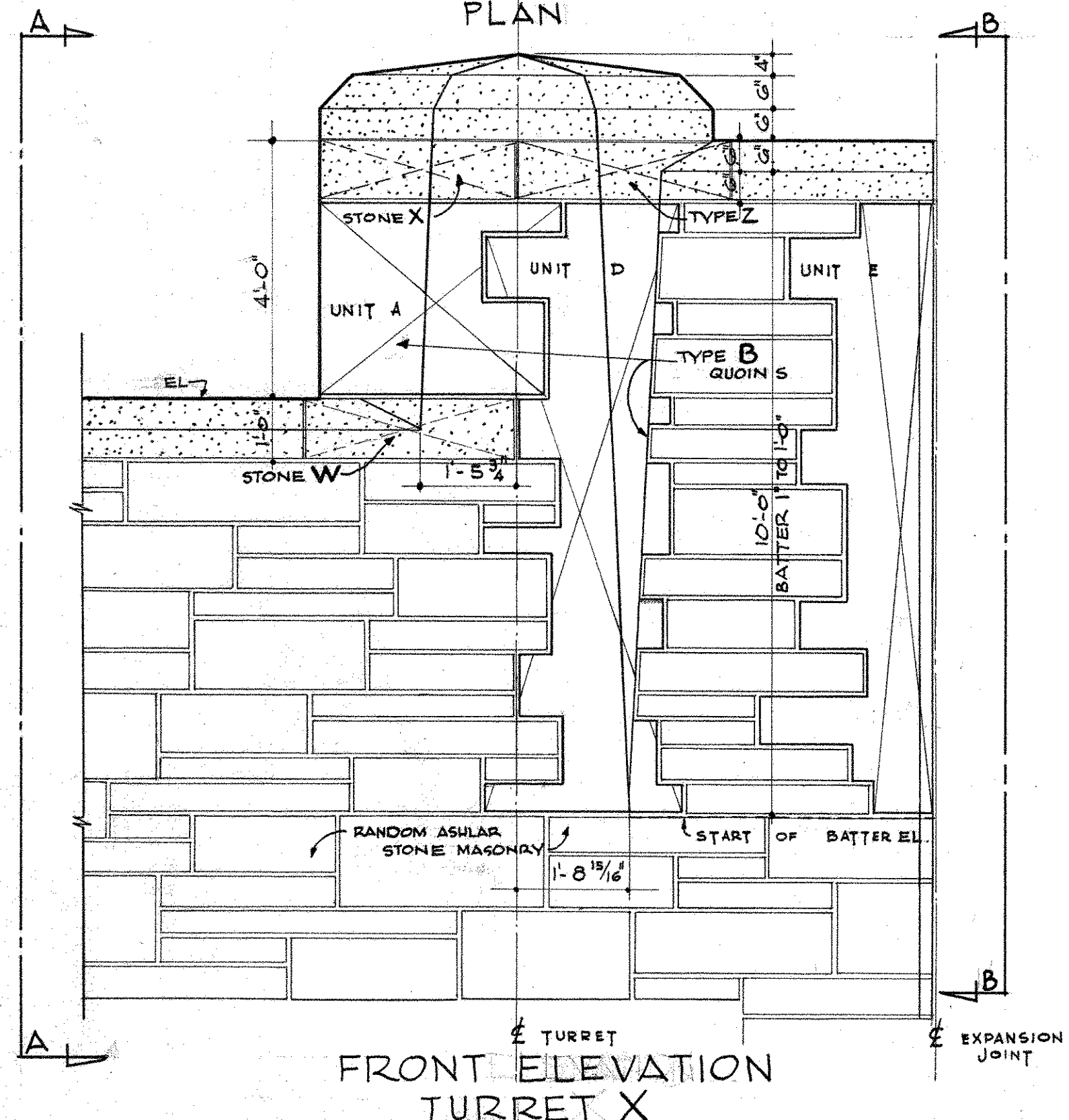
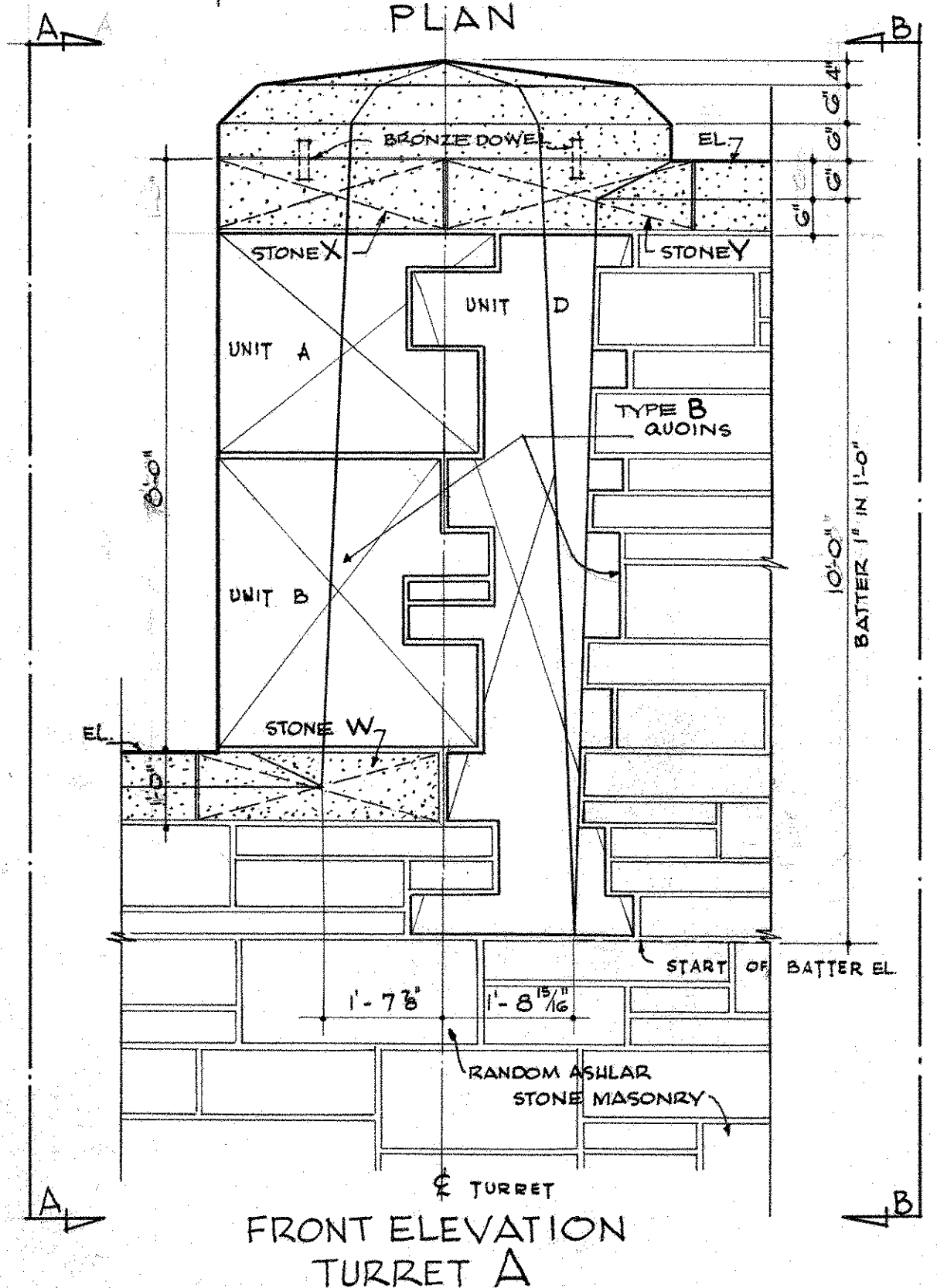
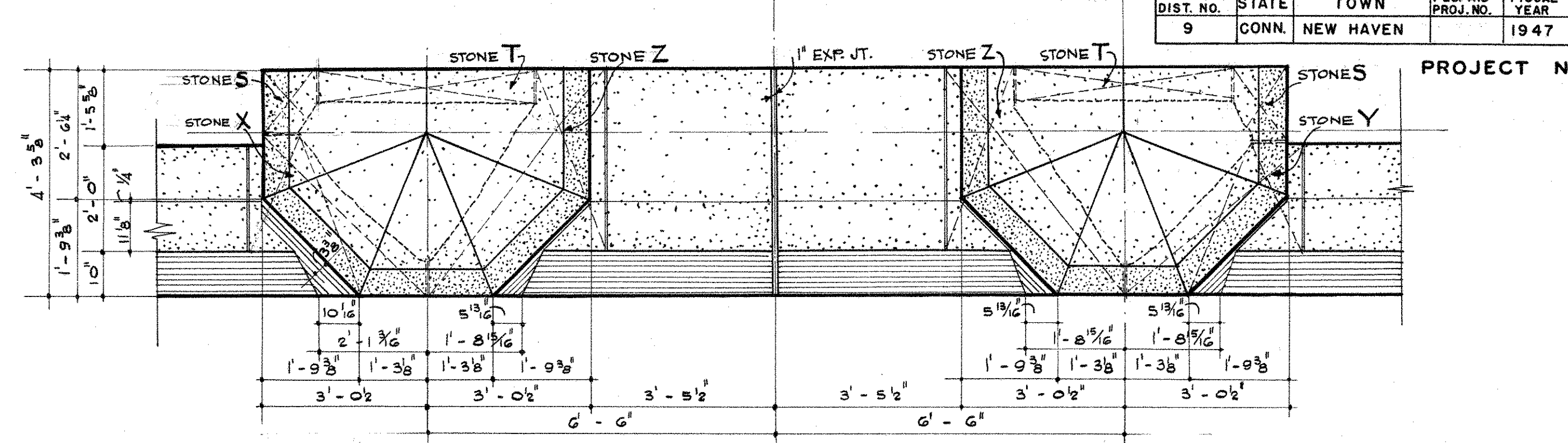
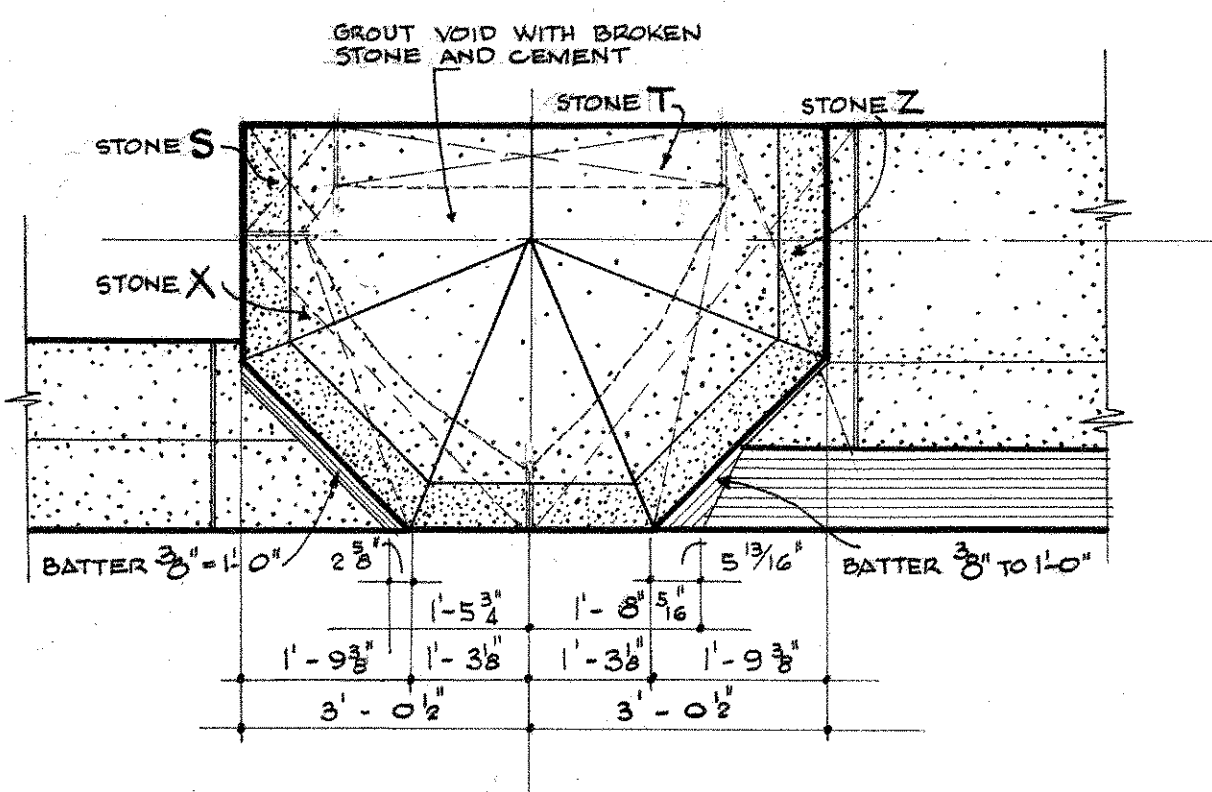
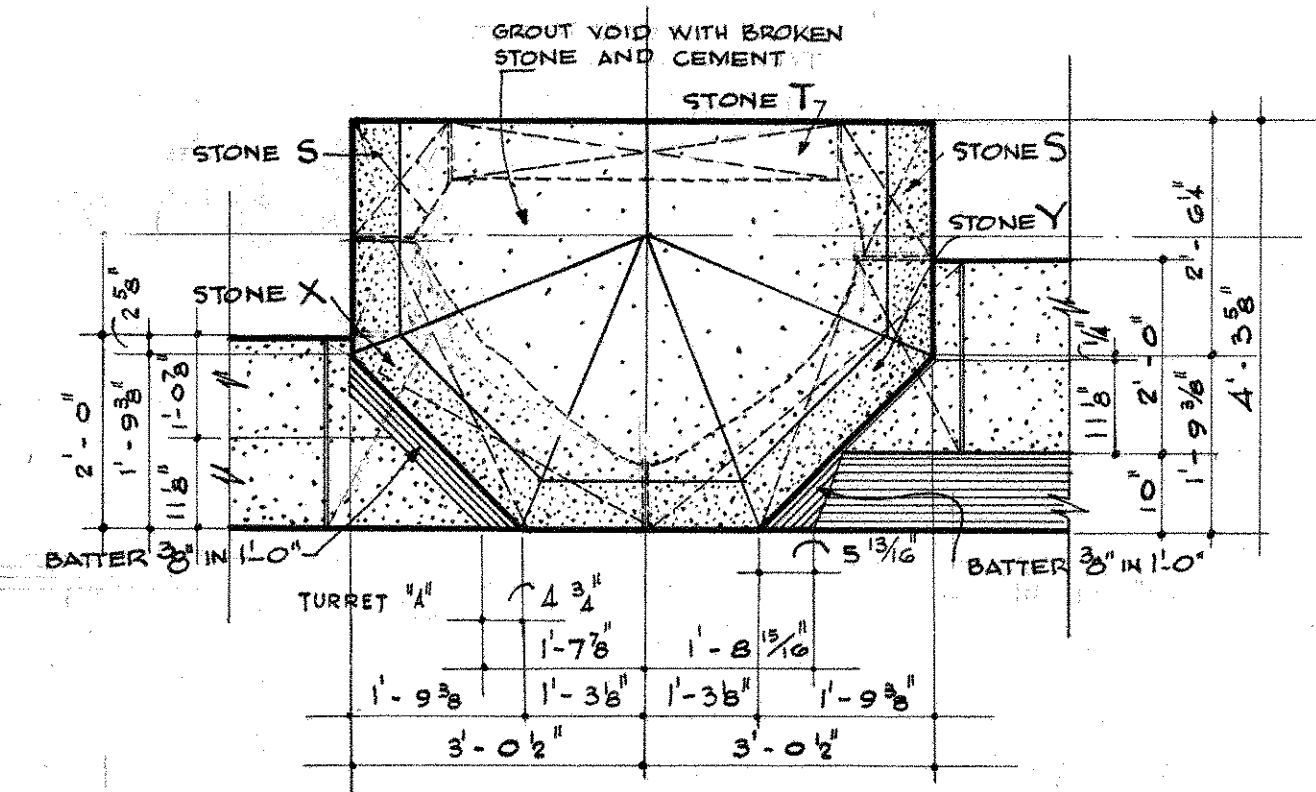
CONNECTICUT STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY WEST ROCK TUNNEL ARCHITECTURAL DETAILS WEST PORTAL ARCH

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.

SCALE 1/2" = 1'-0"
MADE BY G.C.C. - H.G.
CHECKED BY L.J.H. - C.C.C.
APPROVED _____ DATE 11/7/47

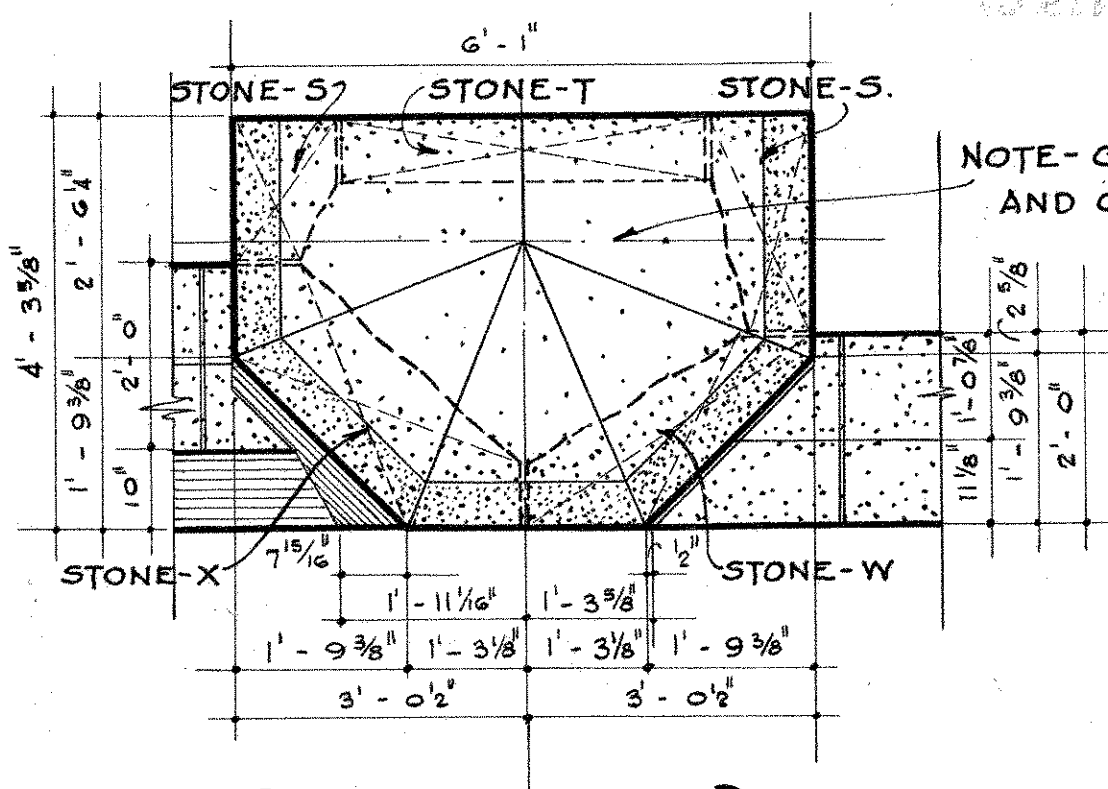
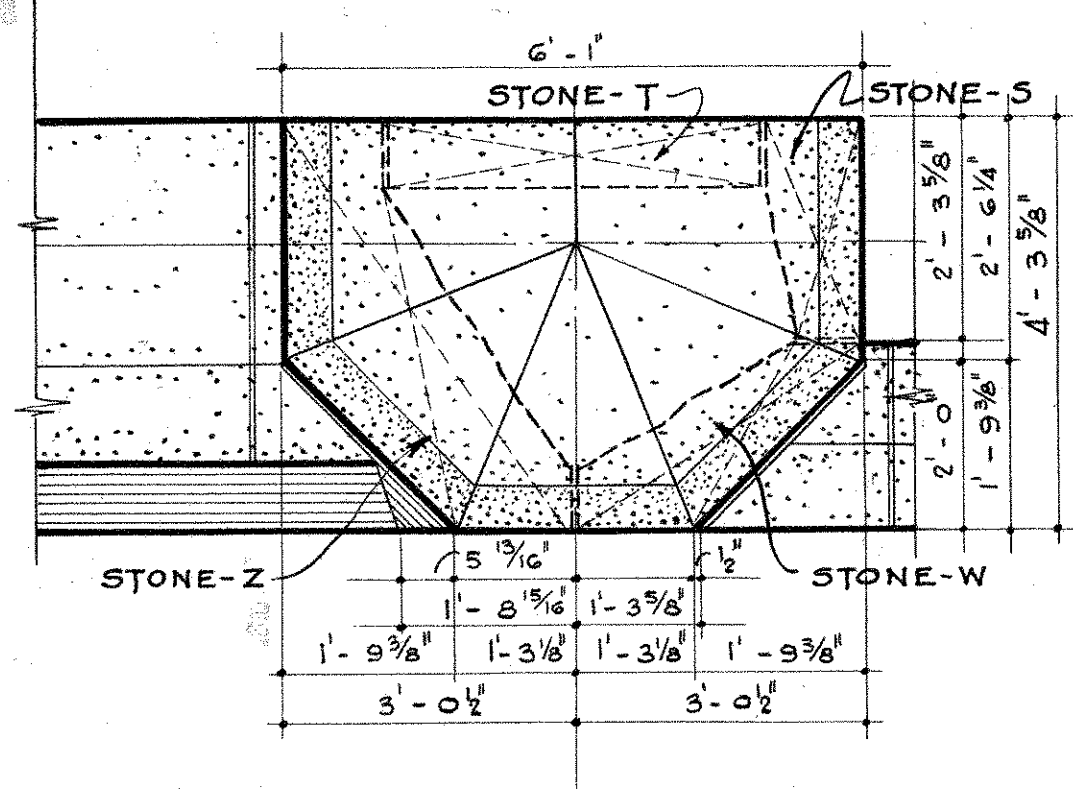
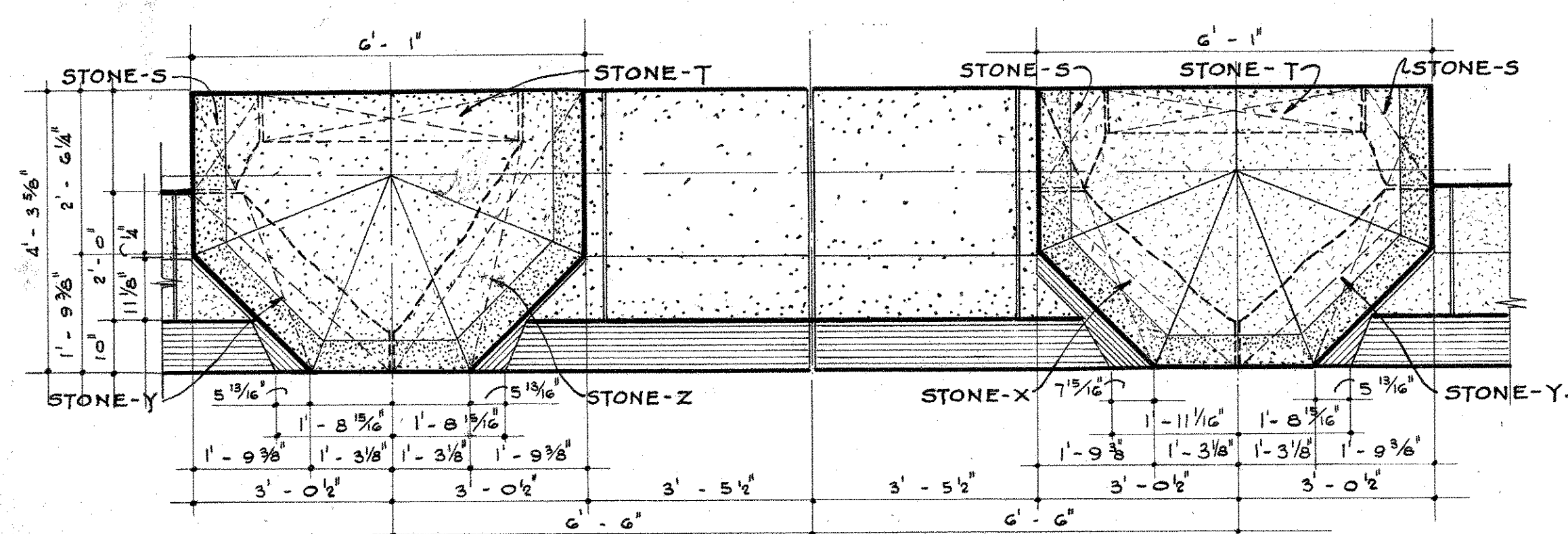
PROJECT NO. _____
TUNNEL SHEET NO. 6 OF 44



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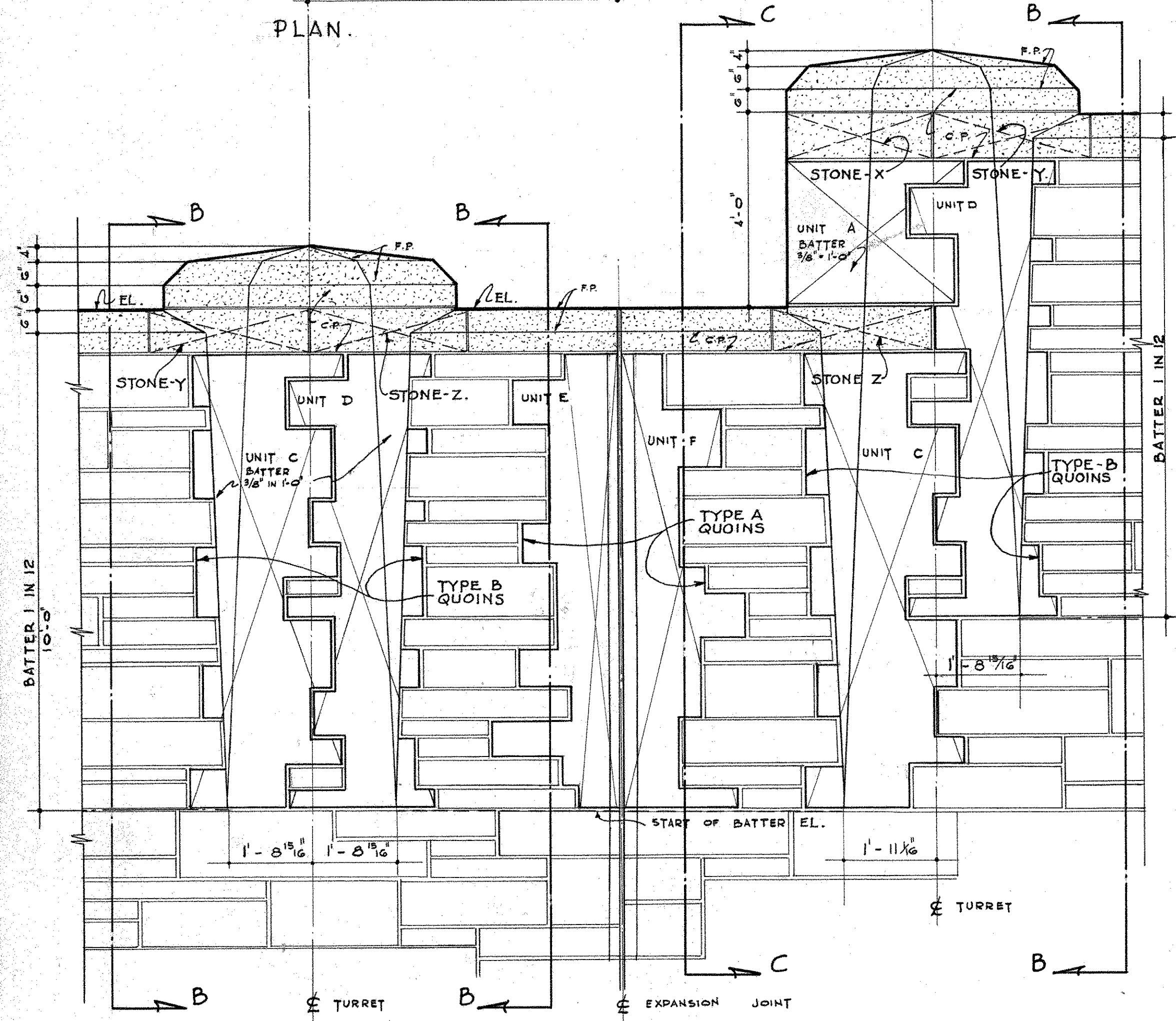
NOTE: FOR DETAILS OF TYPE A AND TYPE B QUINS SEE DWG NO. 10

CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL ARCHITECTURAL DETAILS TURRETS	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD	
ENGINEERS	NEW YORK, N.Y.
SCALE 1/2" = 1'-0"	PROJECT NO.
MADE BY C.G.C.-S.J.I.	TUNNEL SHEET NO.
CHECKED BY C.G.C.-L.J.H.	8 OF 44
APPROVED	DATE 11/7/47

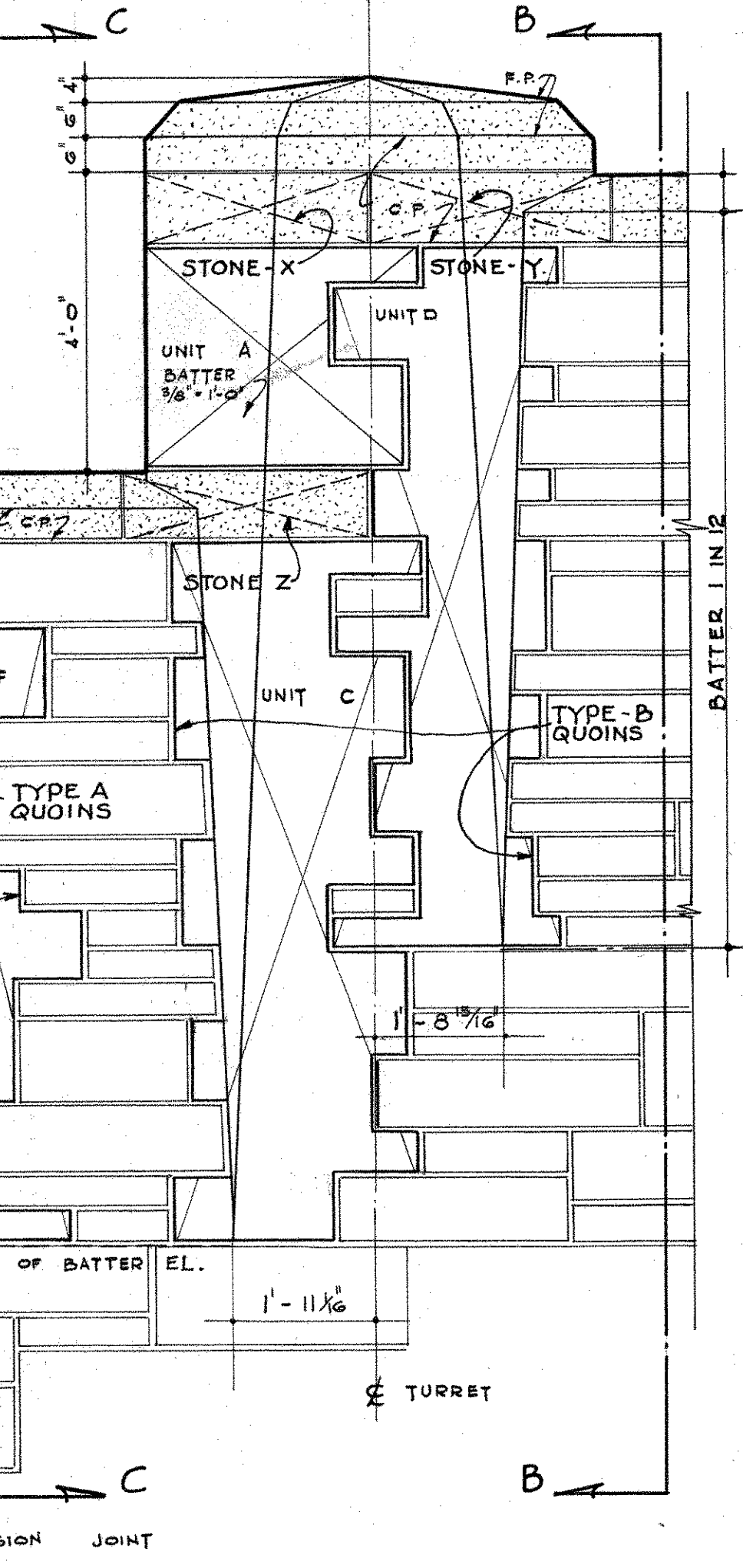


NOTE-GROUT WITH BROKEN STONE AND CEMENT ON ALL TURRETS.

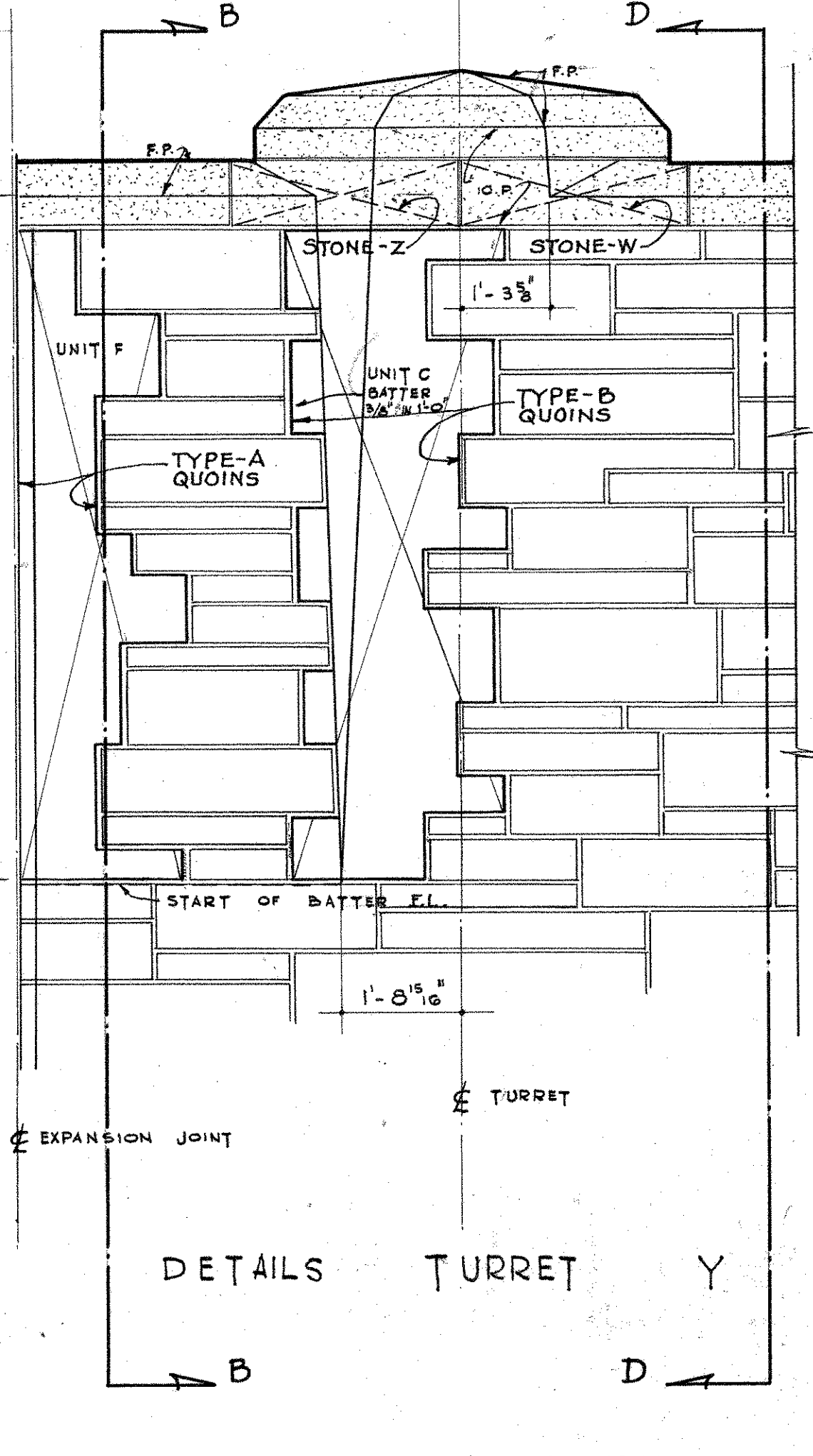
PLAN.



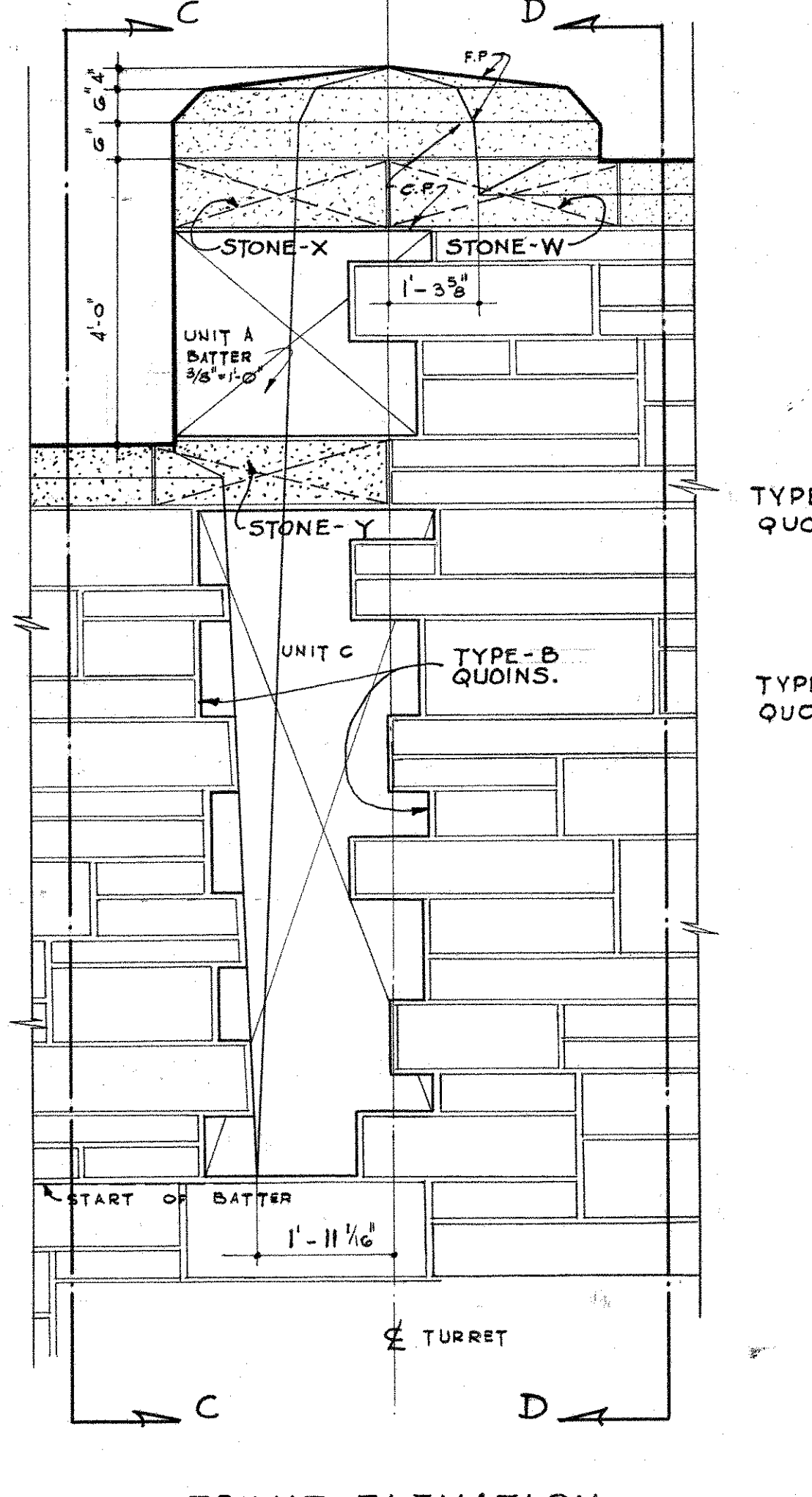
FRONT ELEVATION TURRET D



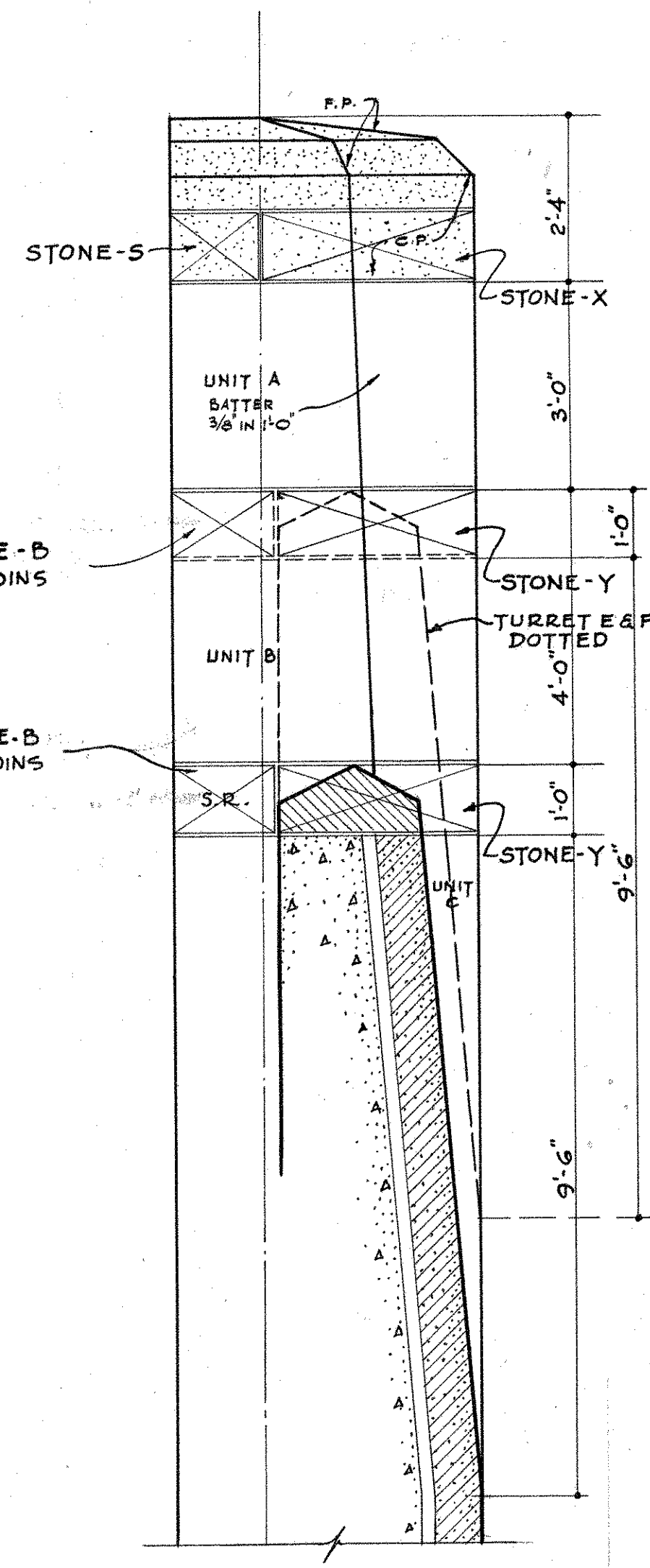
FRONT ELEVATION TURRET E



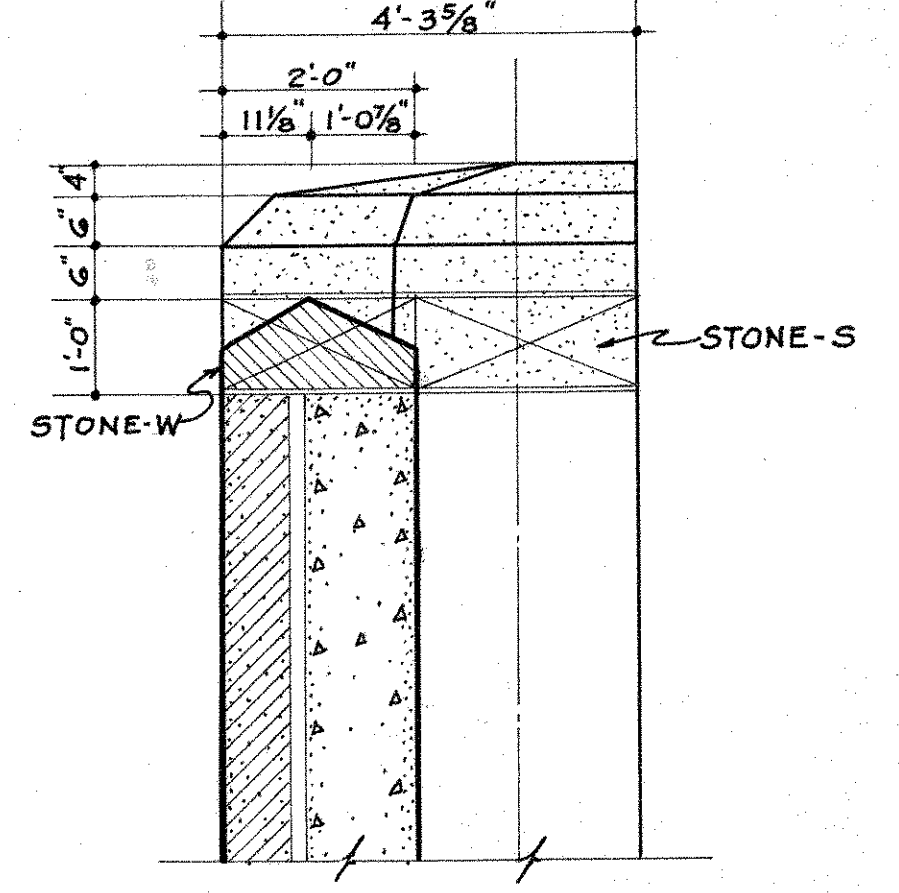
DETAILS TURRET Y



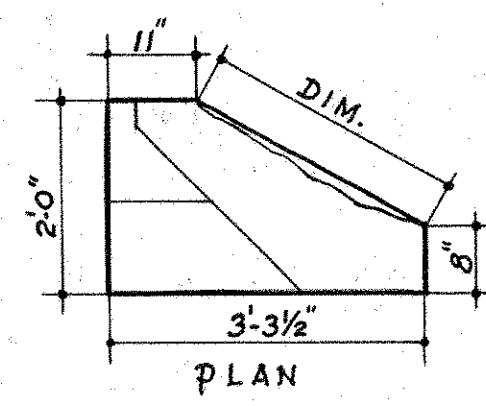
FRONT ELEVATION TURRET F



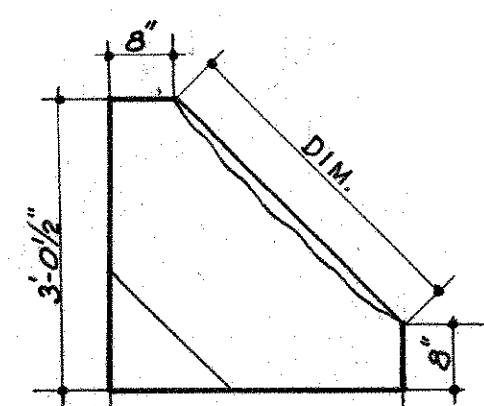
SECTION C-C. TURRETS B, E, F.



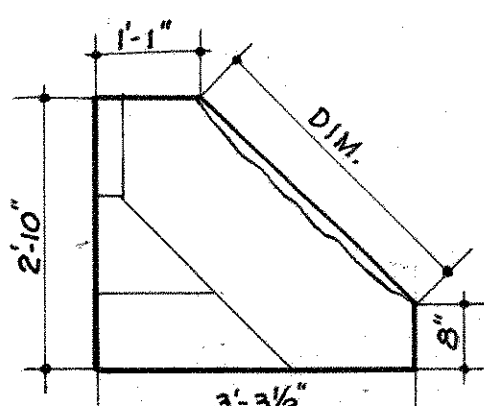
SECTION D-D. TURRETS Y, F.



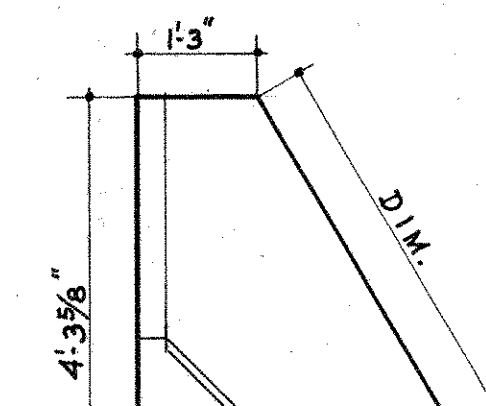
STONE-W.



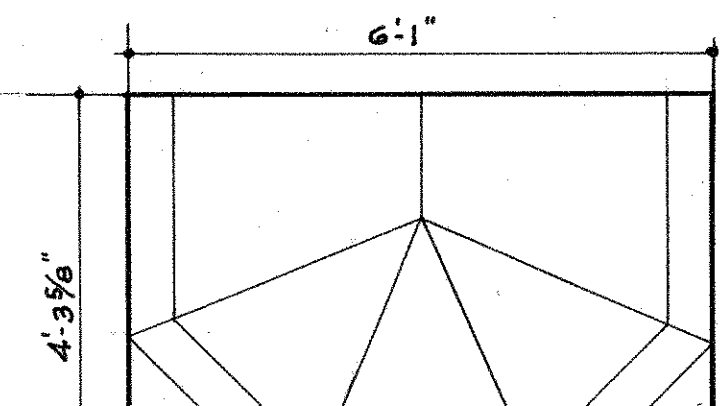
STONE-X.



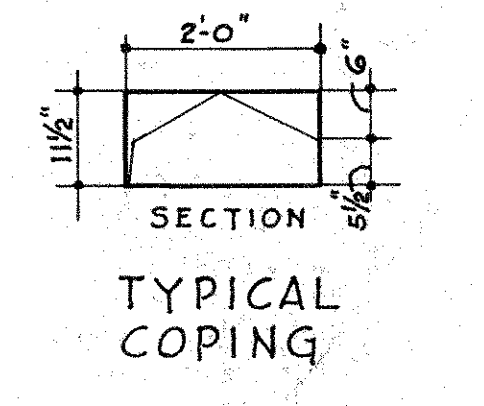
STONE-Y.



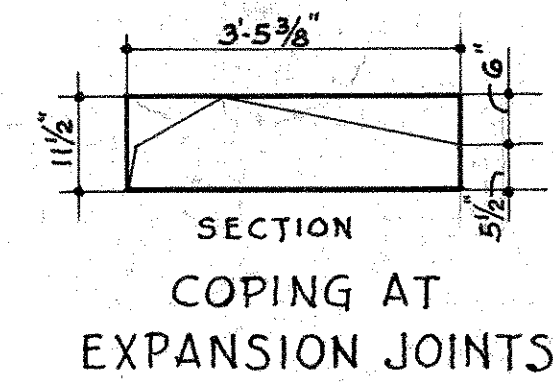
STONE-Z.



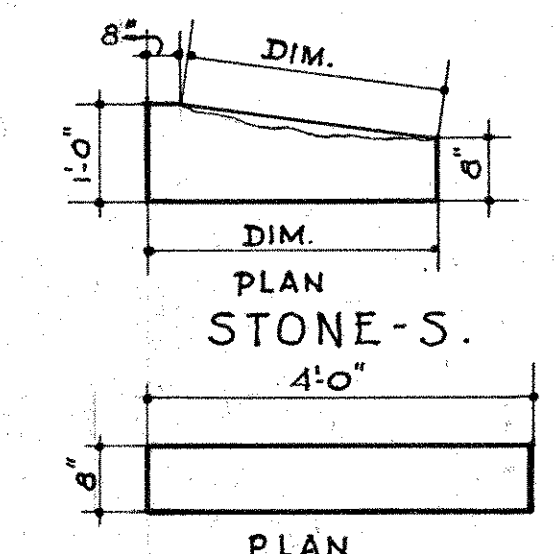
CAPSTONE. (1 PIECE)



TYPICAL COPING



COPING AT EXPANSION JOINTS.



PLAN STONE-T.

NOTE-

1-VOLUME OF STONE FOR COPING SHALL BE DETERMINED BY CROSS SECTION AREA TIMES LINEAL LENGTH MEASURED ALONG CENTER LINE.

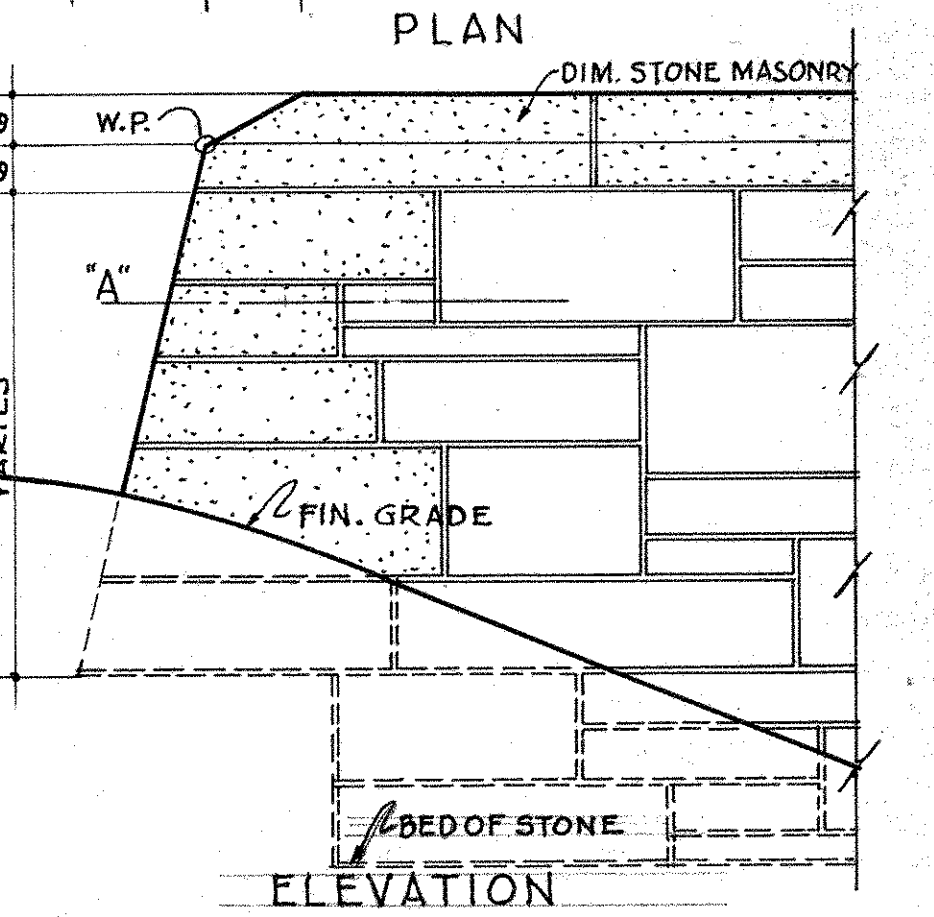
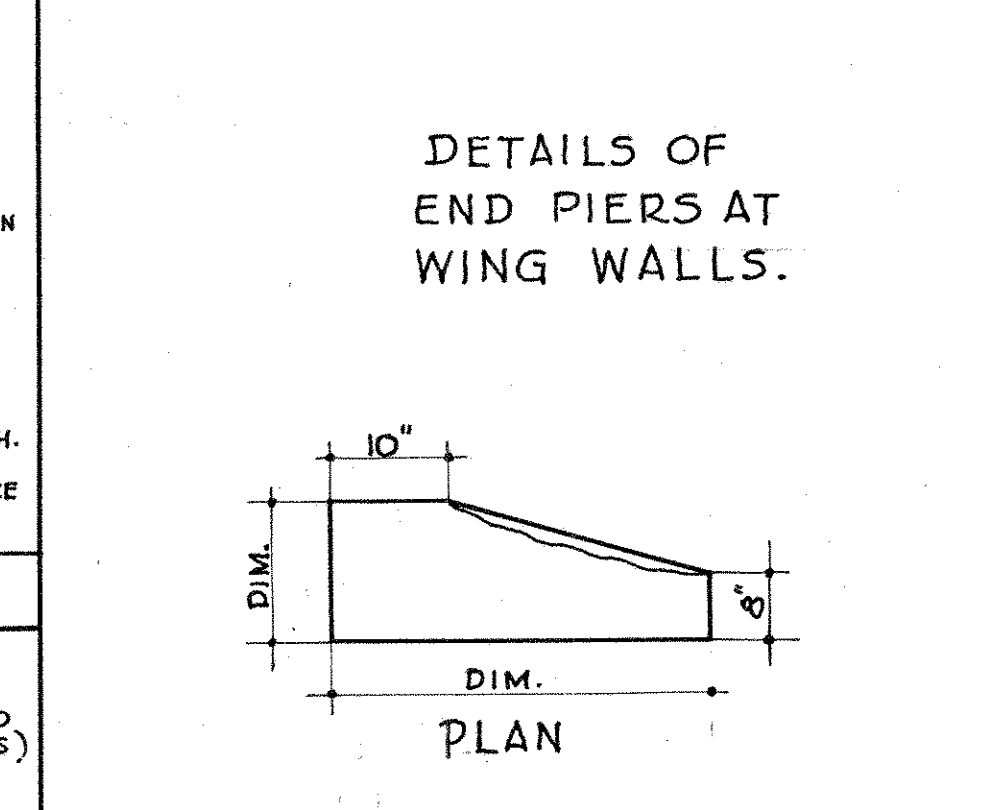
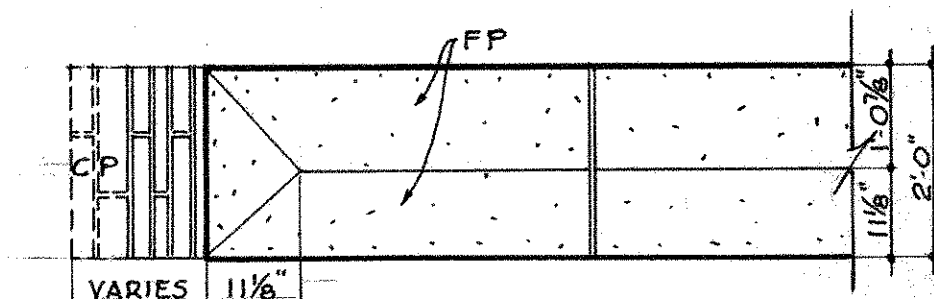
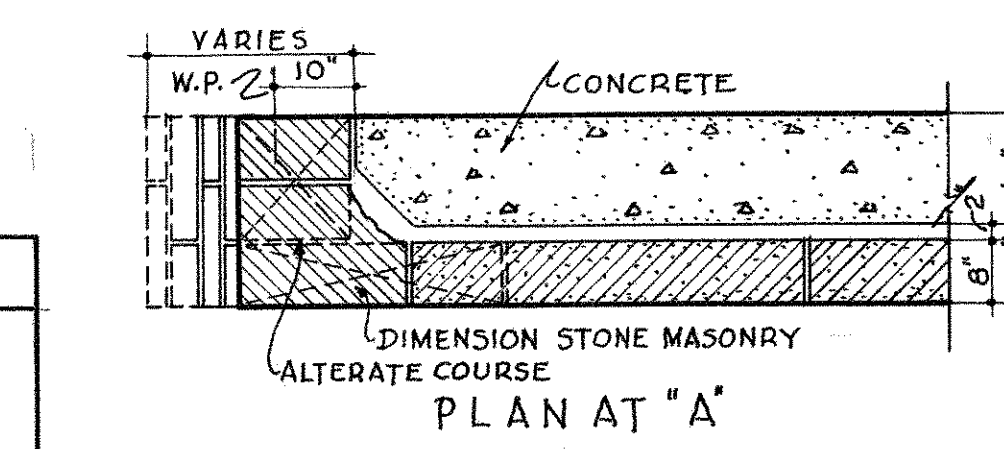
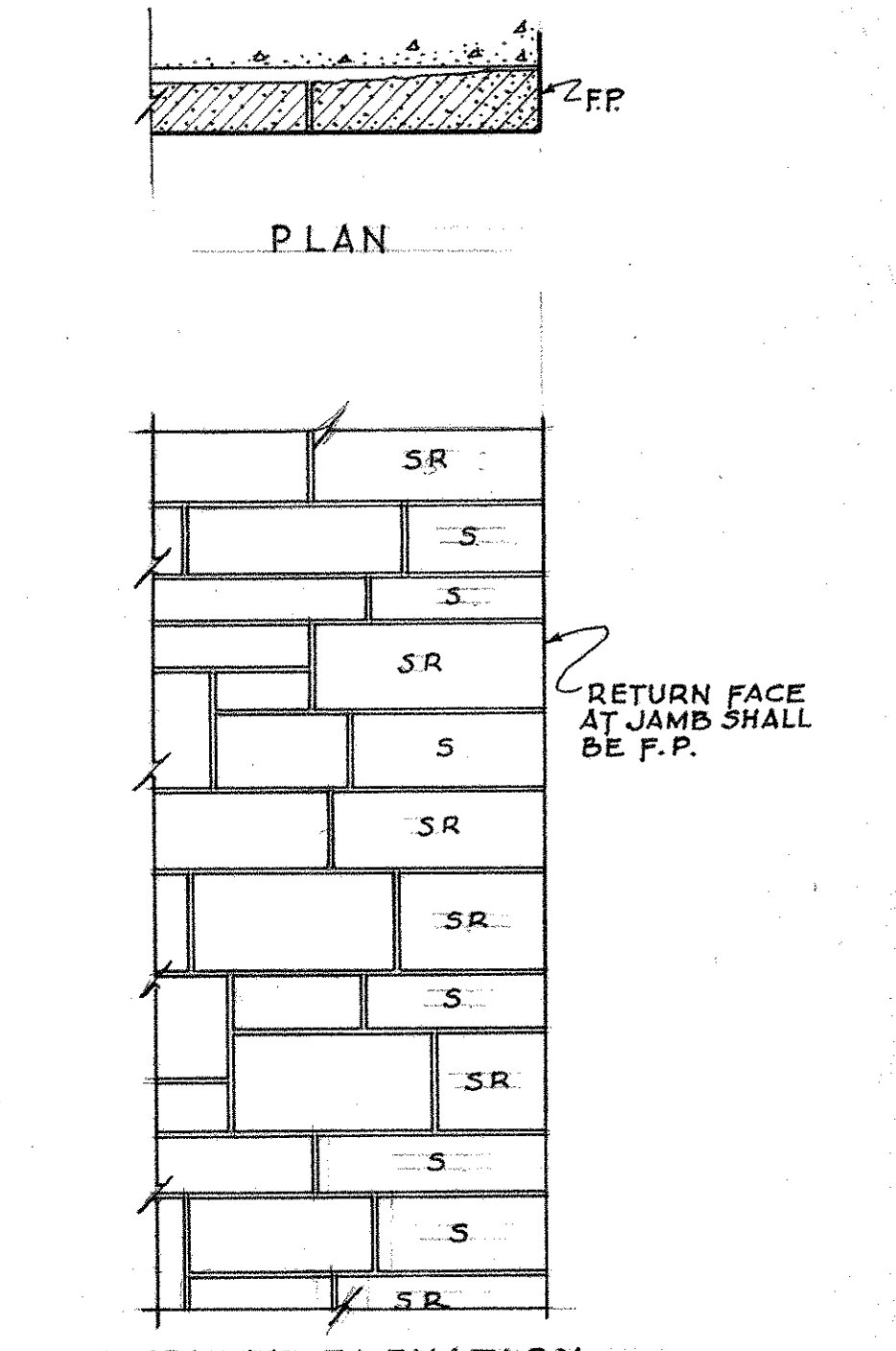
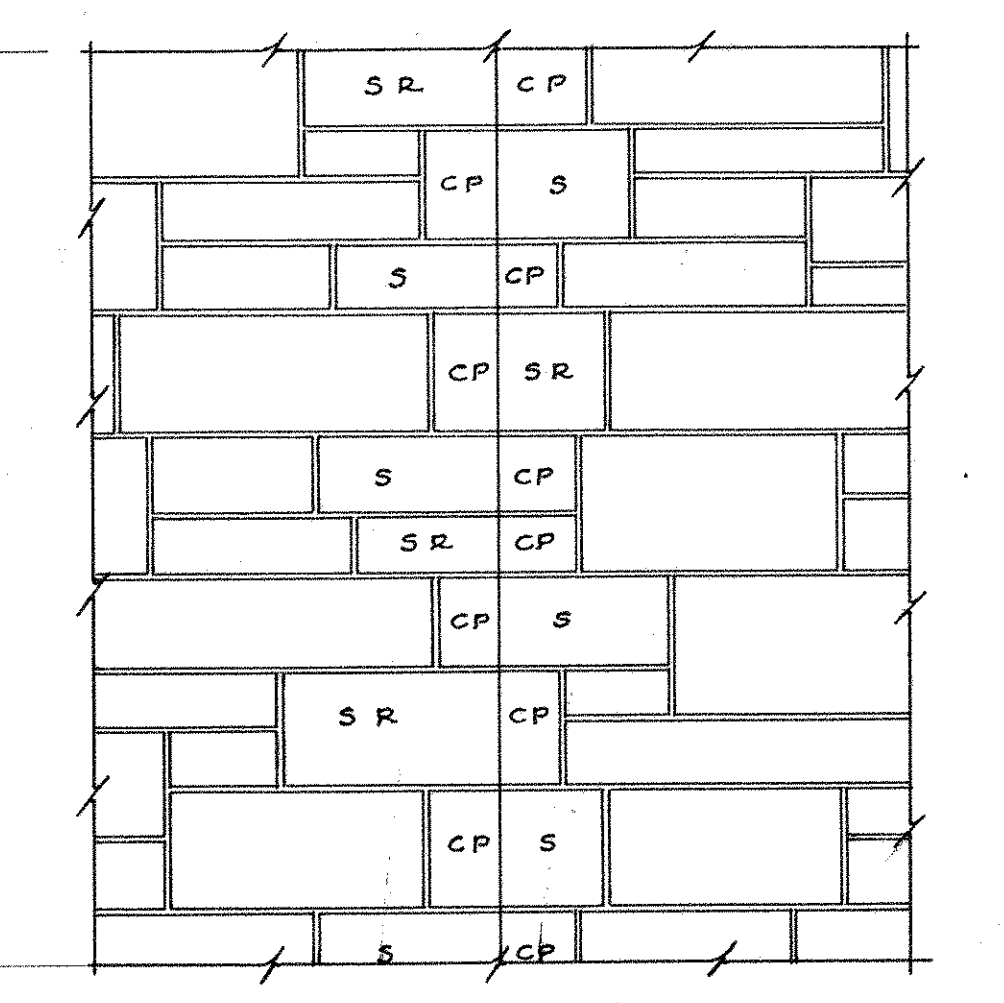
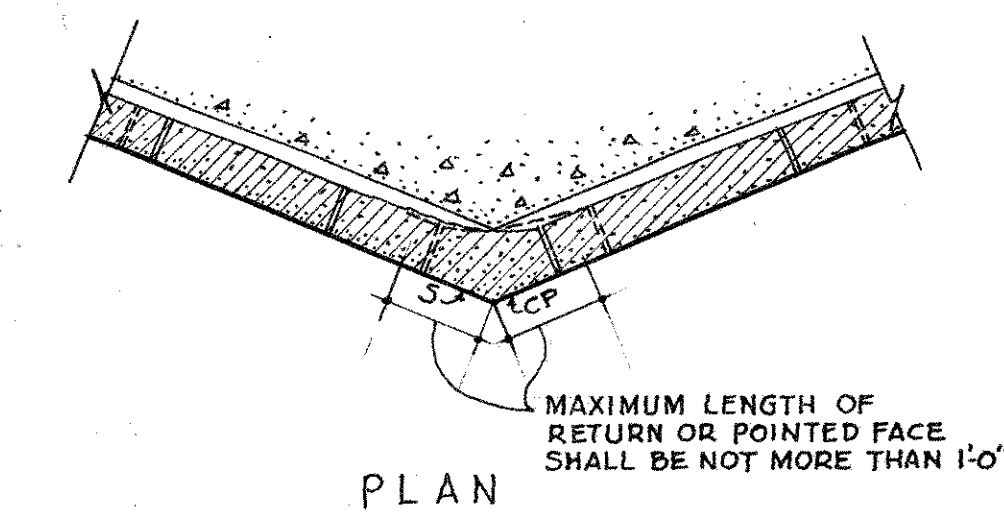
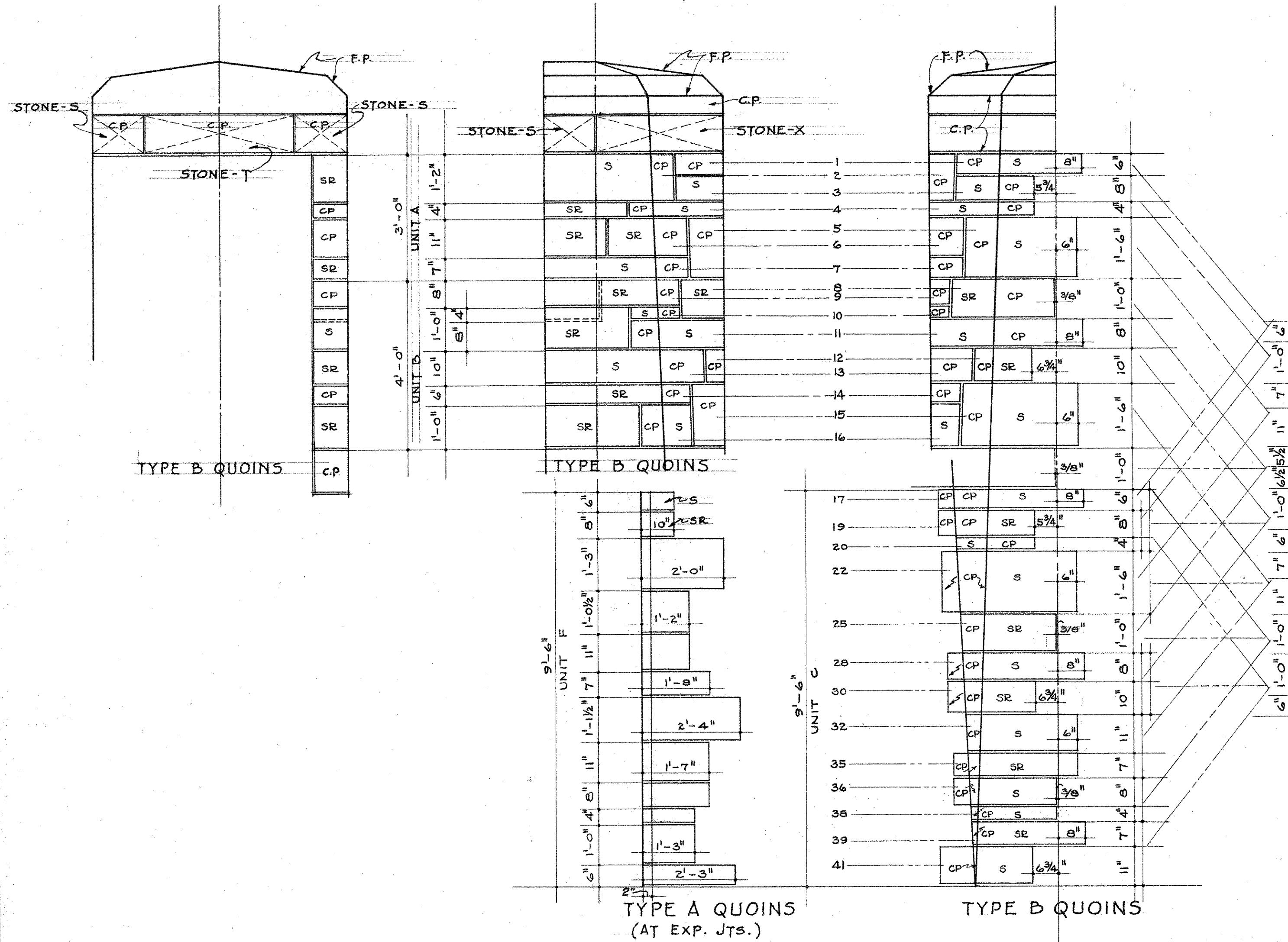
2-FOR DETAILS OF TYPE A & TYPE B QUINS SEE SHEET NO 10.

NOTE- BATTERED FACES ON ALL TURRETS ARE 3/8" IN 1'-0".

PAYMENT LINES FOR DIMENSION MASONRY COPING STONES & TURRETS.

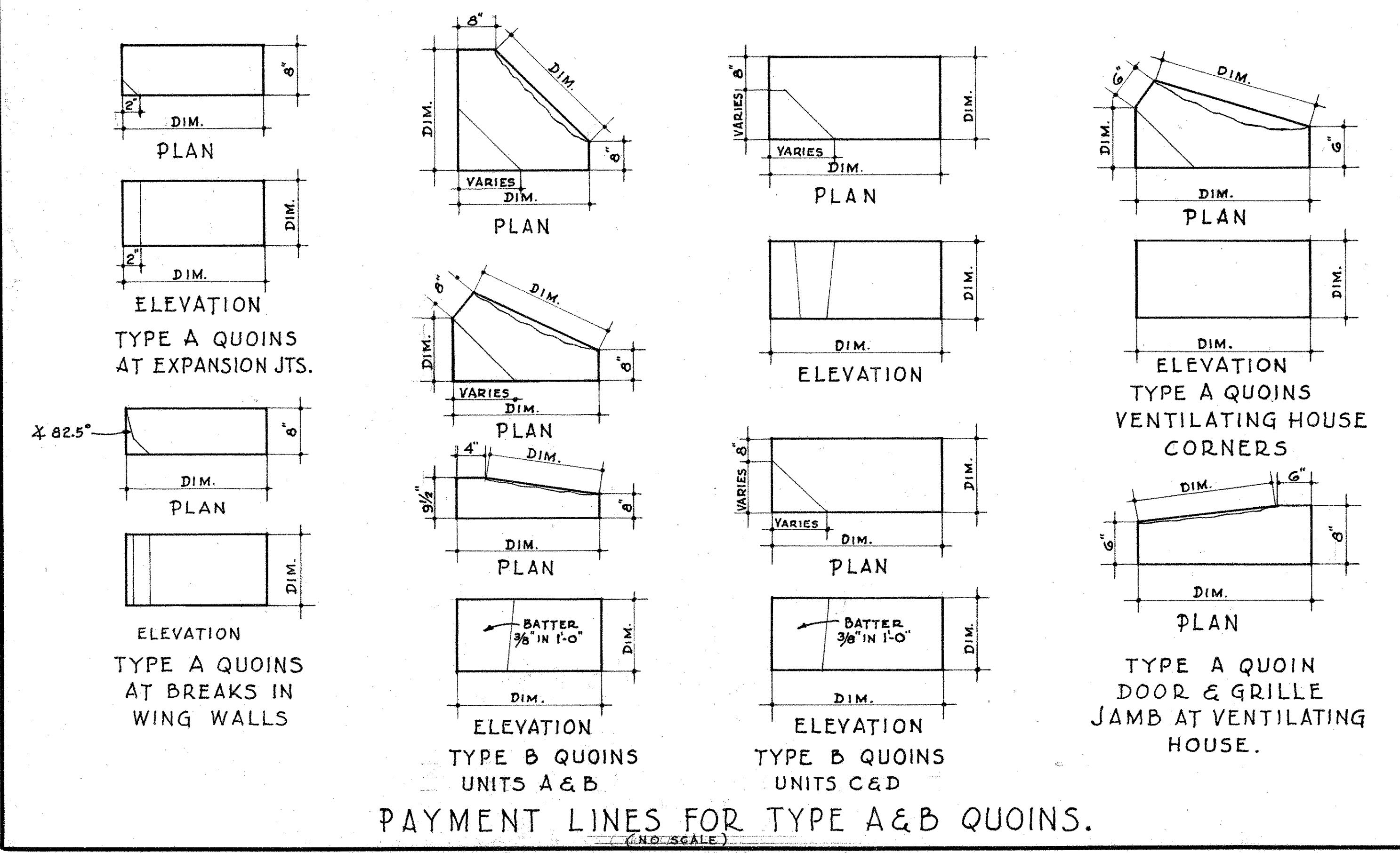
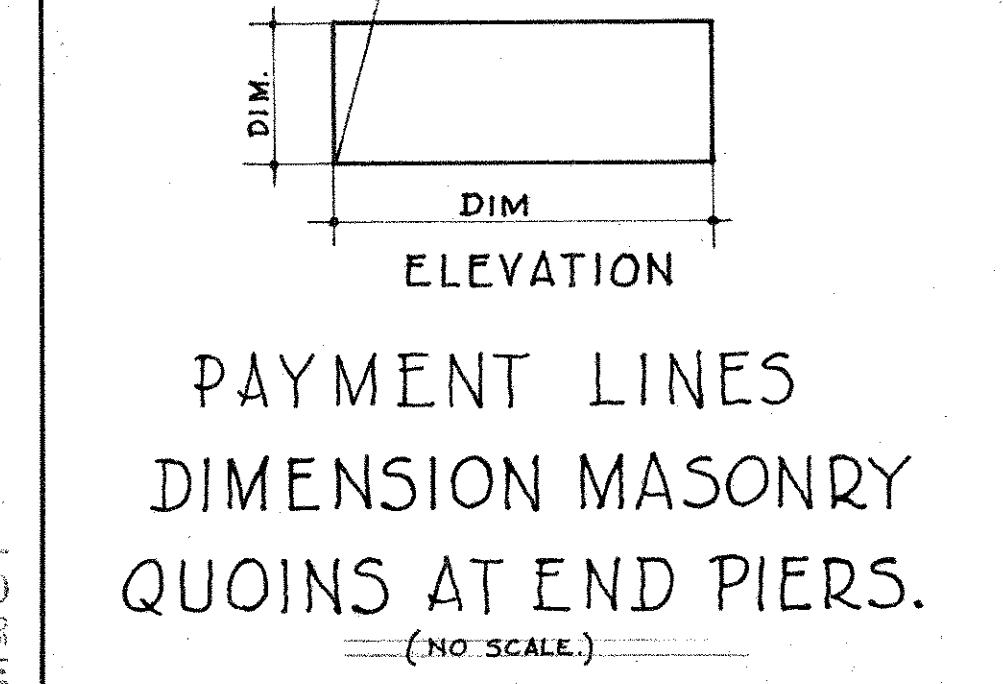
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CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL	
ARCHITECTURAL DETAILS TURRETS	
PARSONS, BRINCKERHOFF, HOGAN & MAGDONALD	
ENGINEERS	NEW YORK, N.Y.
SCALE 1/2" = 1'-0"	PROJECT NO.
MADE BY C.C.C.-L.J.H.	TUNNEL SHEET NO.
CHECKED BY C.C.C.-L.J.H.	9 of 44
APPROVED	DATE 11/7/47



LEGEND	
	INDICATES CONCRETE IN SECTION
	INDICATES DIMENSION STONE MASONRY IN PLAN & SECTION
	INDICATES DIMENSION STONE MASONRY IN ELEVATION.
	INDICATES RANDOM ASHLAR STONE MASONRY IN PLAN & SECTION
	INDICATES RANDOM ASHLAR STONE MASONRY IN ELEVATION
	INDICATES METAL IN SECTION
F.P.	INDICATES FINE POINT FINISH
C.P.	INDICATES COARSE POINT FINISH.
S	INDICATES SEAM FACE
S-R	INDICATES SPLIT OR ROCK FACE

- GENERAL NOTES**
- FOR METHODS OF ANCHORING MASONRY SEE STRUCTURAL DRAWINGS.
 - ALL DIMENSION STONE MASONRY & RANDOM ASHLAR STONE MASONRY SHALL BE CARRIED DOWN TO TOP OF CONCRETE ELEVATIONS SHOWN OR NOTED (SEE STRUCTURAL DWGS).
 - ALL COPING AND CAPSTONES SHALL BE DOWELED TO WALLS AND TURRETS WITH 1/2" x 4" LONG BRONZE DOWELS - NOT LESS THAN TWO TO EACH STONE
 - DIMENSION MASONRY JOINTS SHALL BE 1/2" RANDOM ASHLAR STONE MASONRY JOINTS SHALL BE 3/4"
 - RANDOM ASHLAR STONE MASONRY JOINTS SHALL BE RAKED TO A DEPTH OF 1/2" TO 3/4"
 - ALL STONE SURFACES IN CONTACT WITH SLIDING OR EXPANSION JOINTS SHALL BE FINE POINTED
 - POINTING OF DIMENSION STONE MASONRY SHALL BE AS SHOWN ON DETAILS AND UNLESS OTHERWISE NOTED ALL WASHES ON COPINGS AND CAPSTONES AND THE SOFFITS OF ALL ARCH RING STONES SHALL BE FINE POINT. ALL OTHER EXPOSED SURFACES SHALL BE COARSE POINT.
 - TYPE 'A' AND TYPE 'B' QUOINS WILL BE PAID FOR AS DIMENSION STONE MASONRY BUT SHALL BE OF THE SAME SOURCES AND IN THE SAME PROPORTION AS THE RANDOM ASHLAR STONE MASONRY. RETURN FACES SHALL BE POINTED AS DETAILED OR CALLED FOR.
- THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.



CONNECTICUT STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY WEST ROCK TUNNEL

MISCELLANEOUS STONE DETAILS

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.

SCALE 1/4" = 1'-0"

MADE BY C.C.C.-L.J.H.

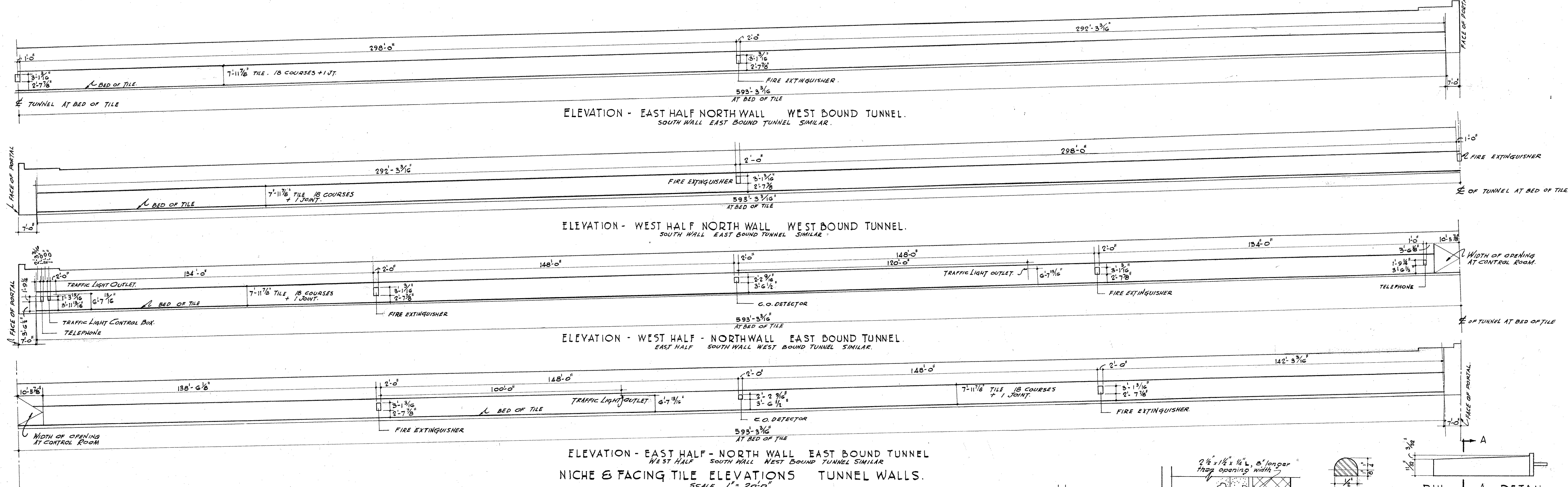
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APPROVED DATE 11/7/47

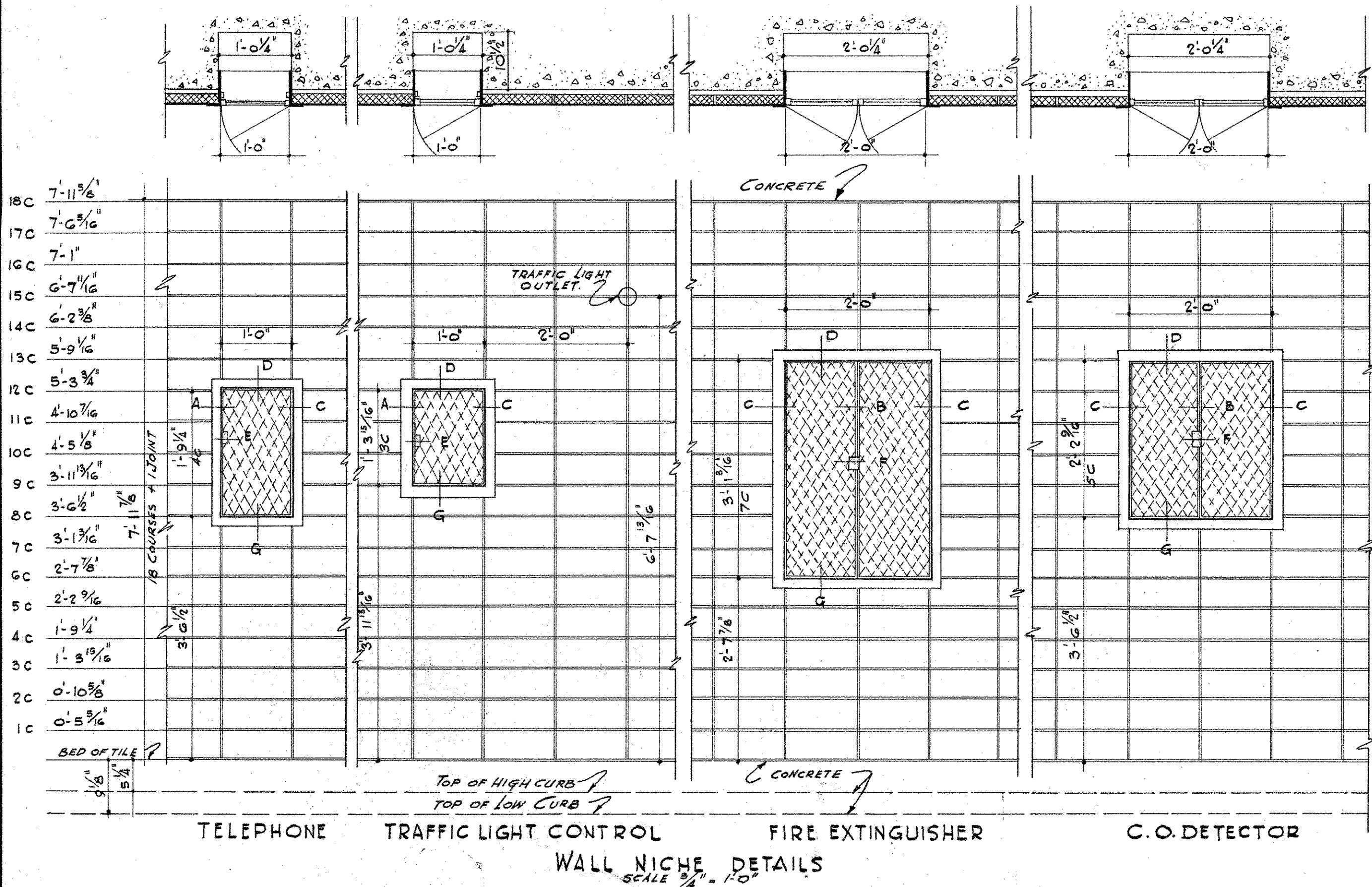
PROJECT NO. TUNNEL SHEET NO. 10 OF 44

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		24	73

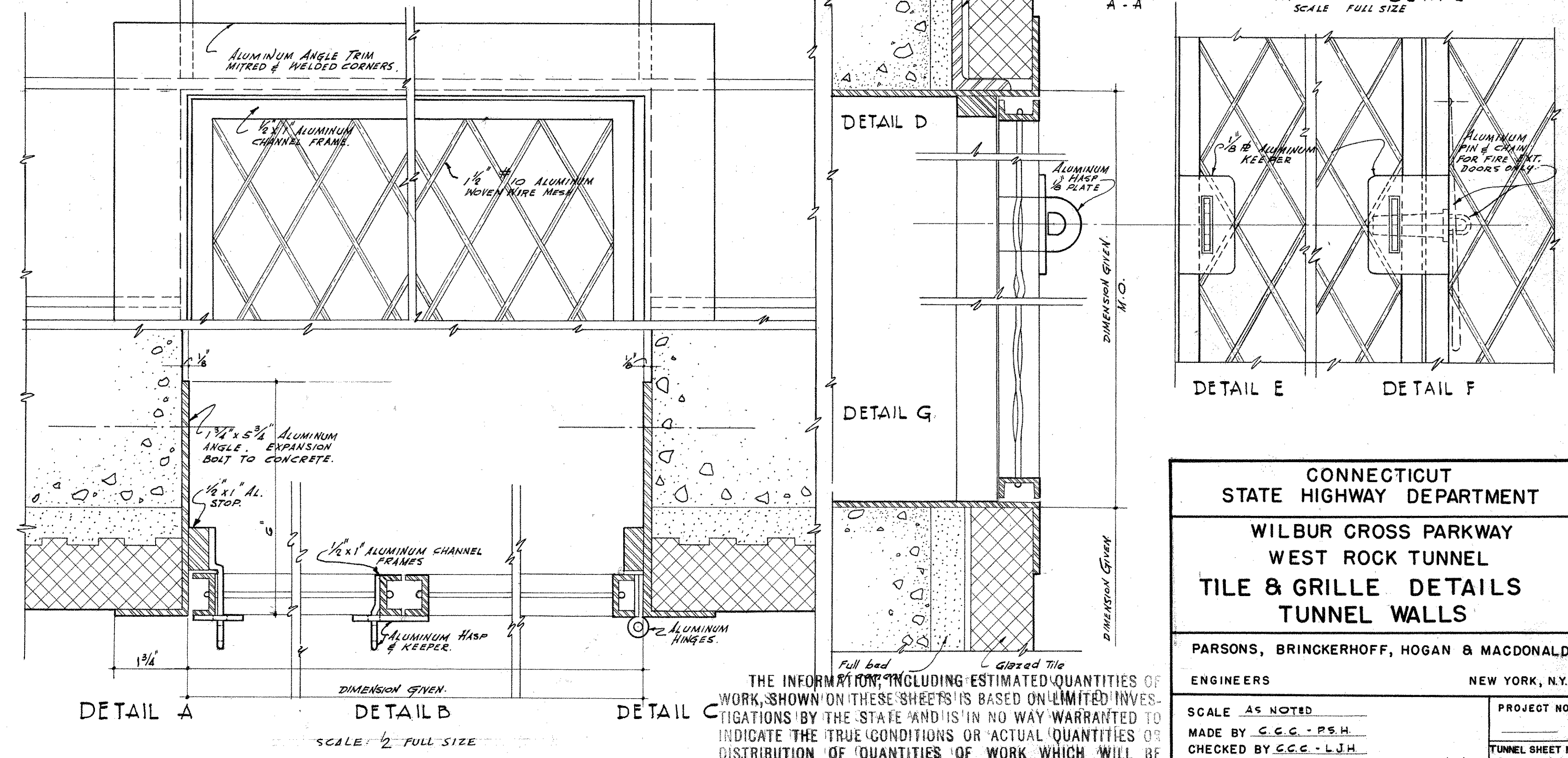
PROJECT NO. 185-90



NICHE & FACING TILE ELEVATIONS TUNNEL WALLS.
SCALE 1" = 20'-0"



WALL NICHE DETAILS
SCALE 3/4" = 1'-0"



DETAIL A
SCALE 2" = FULL SIZE

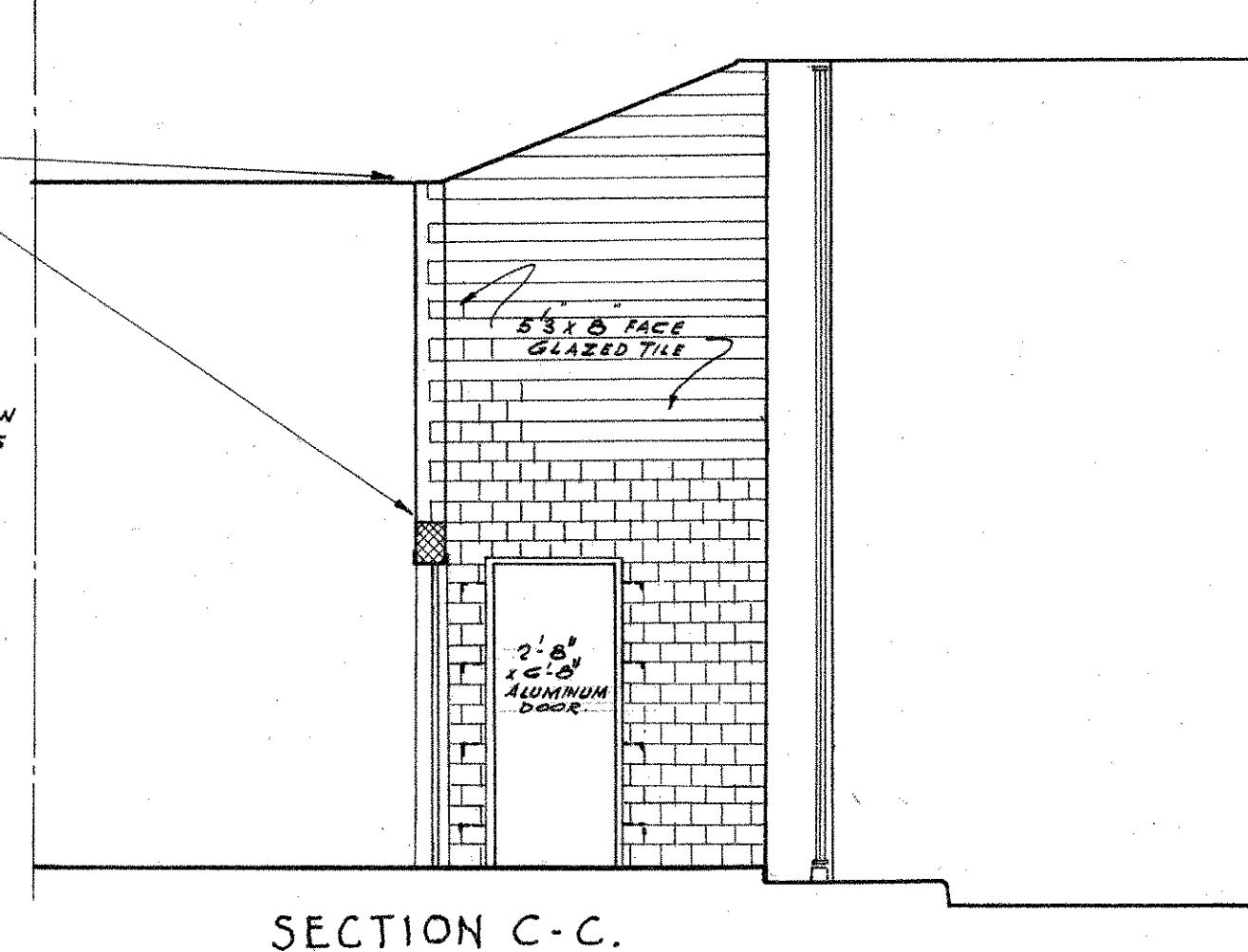
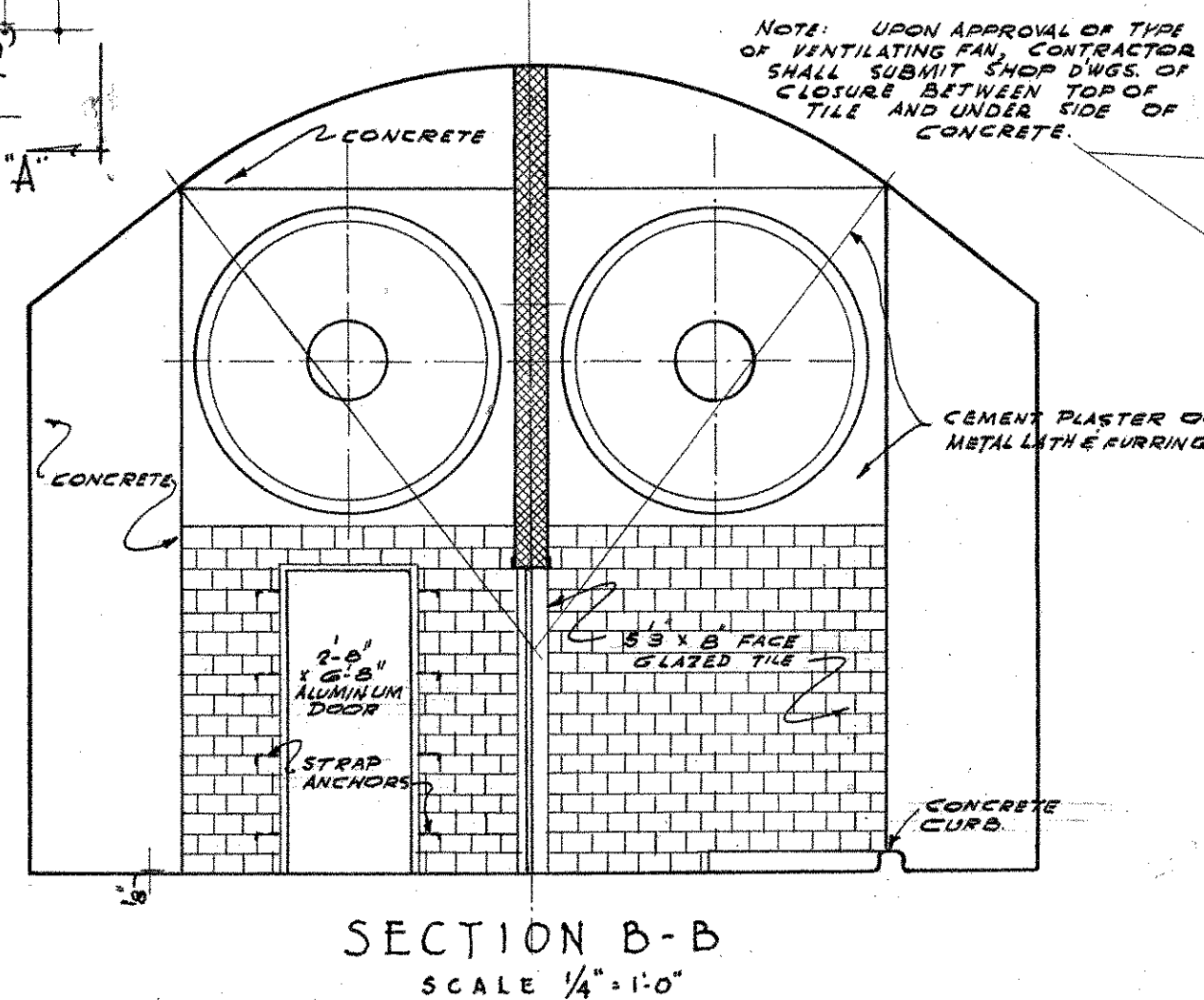
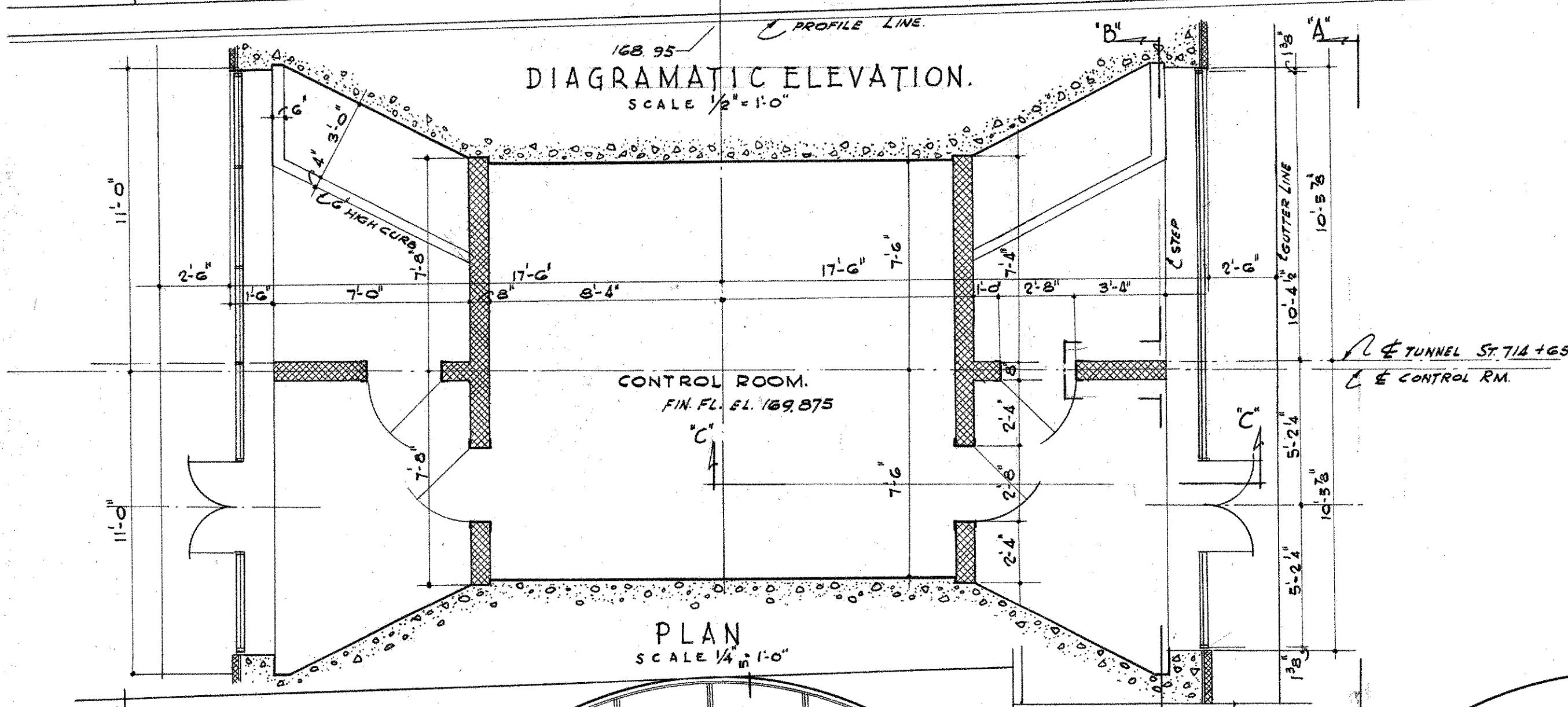
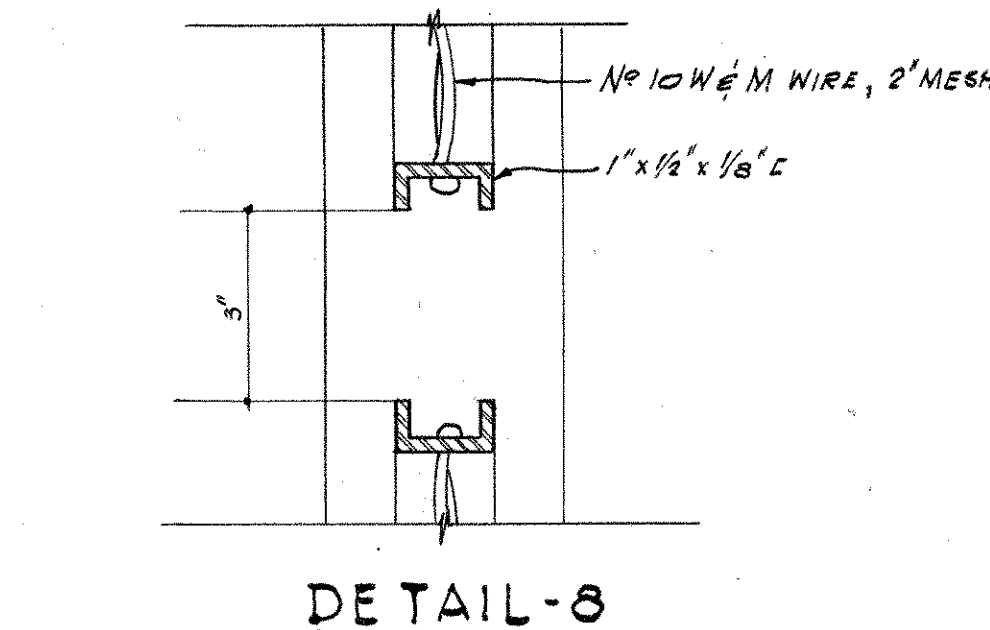
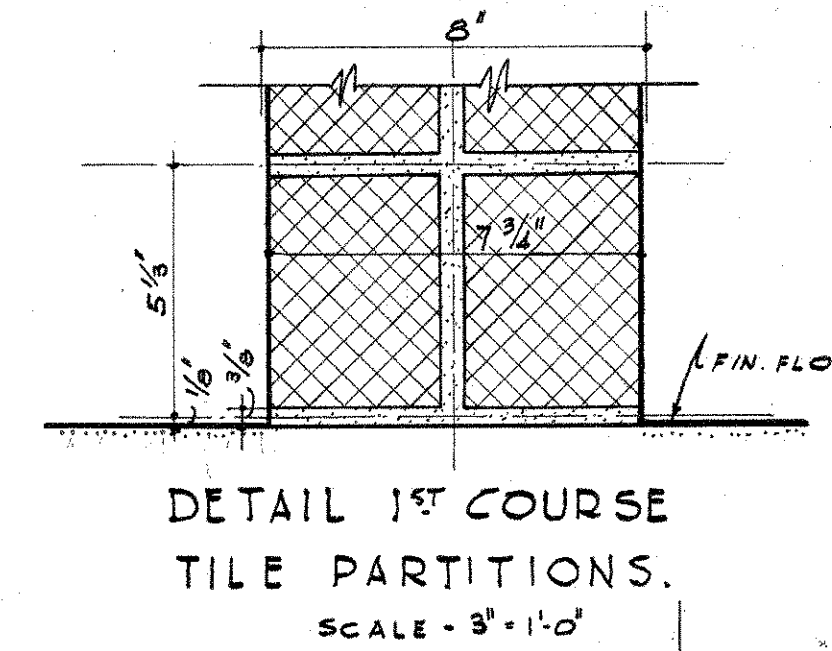
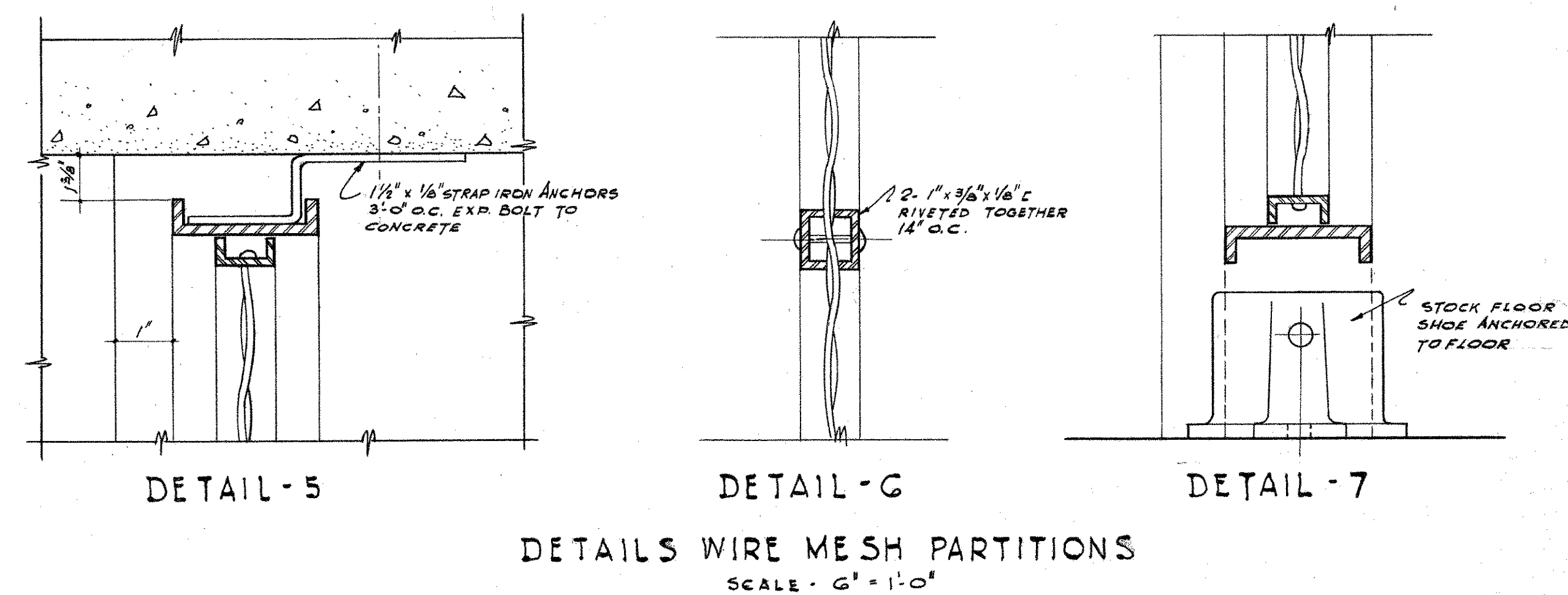
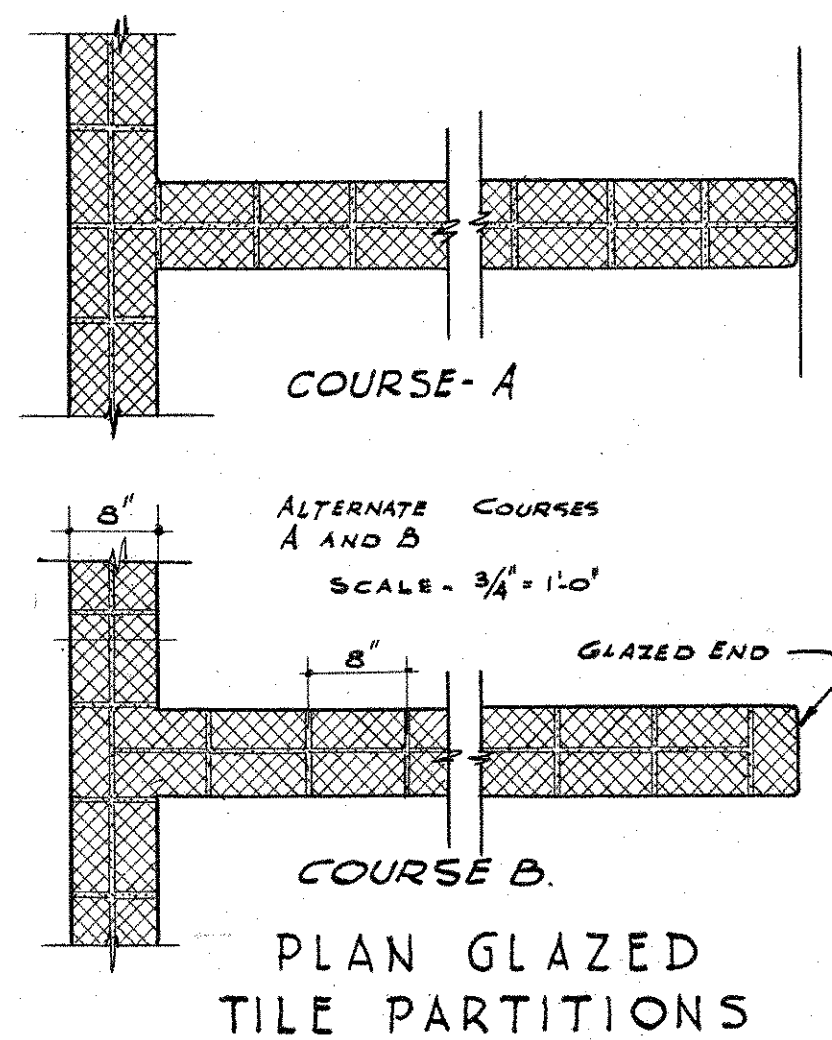
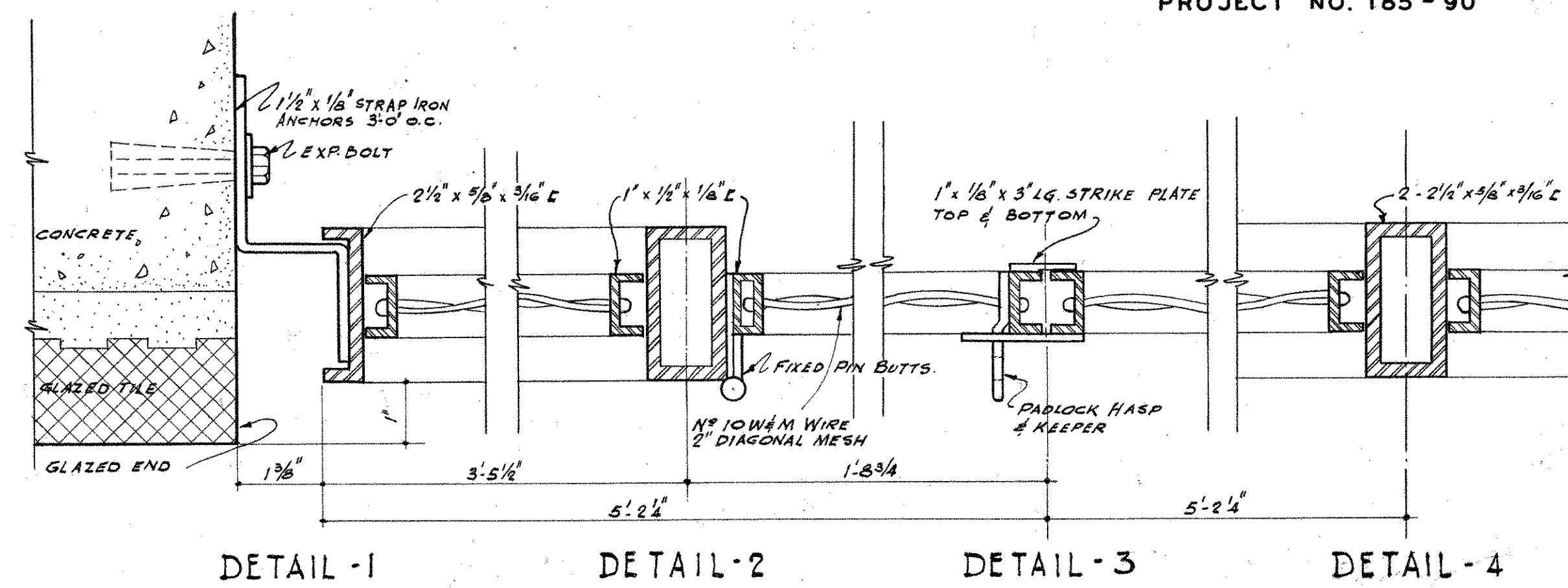
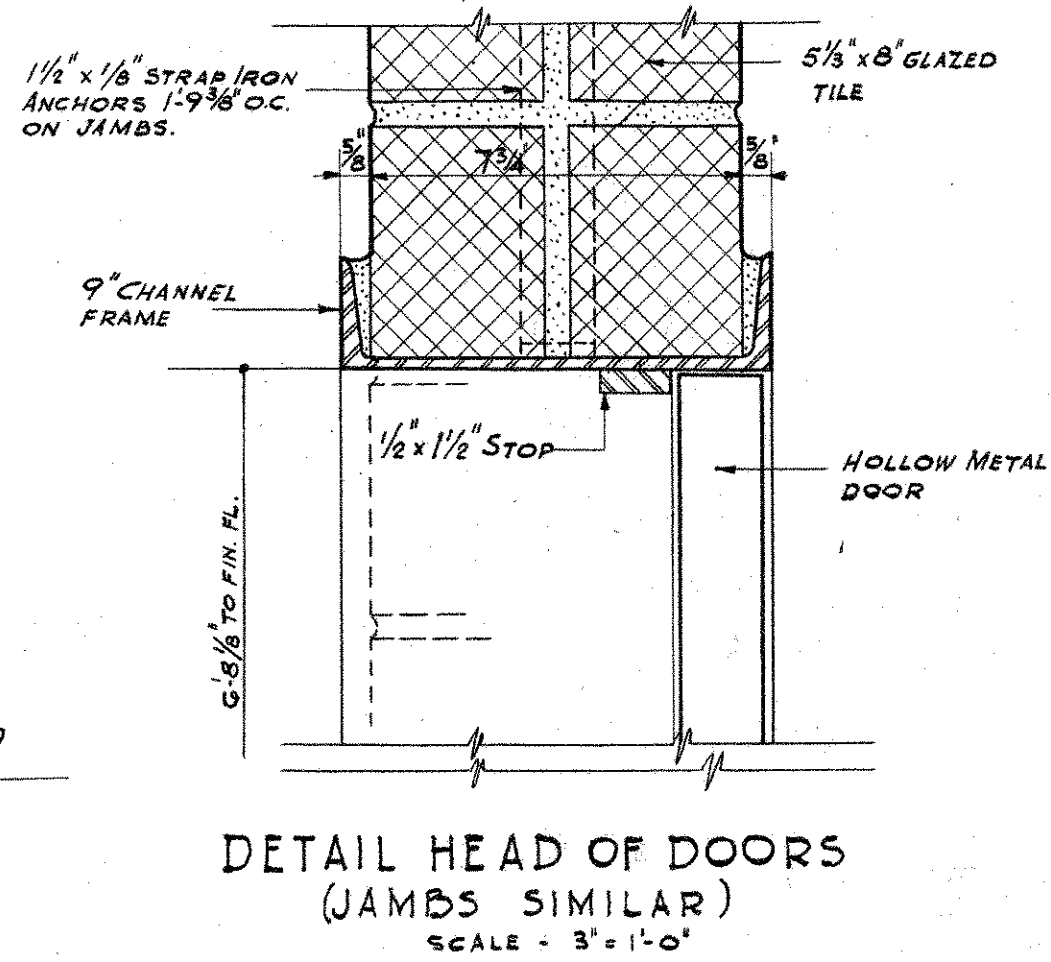
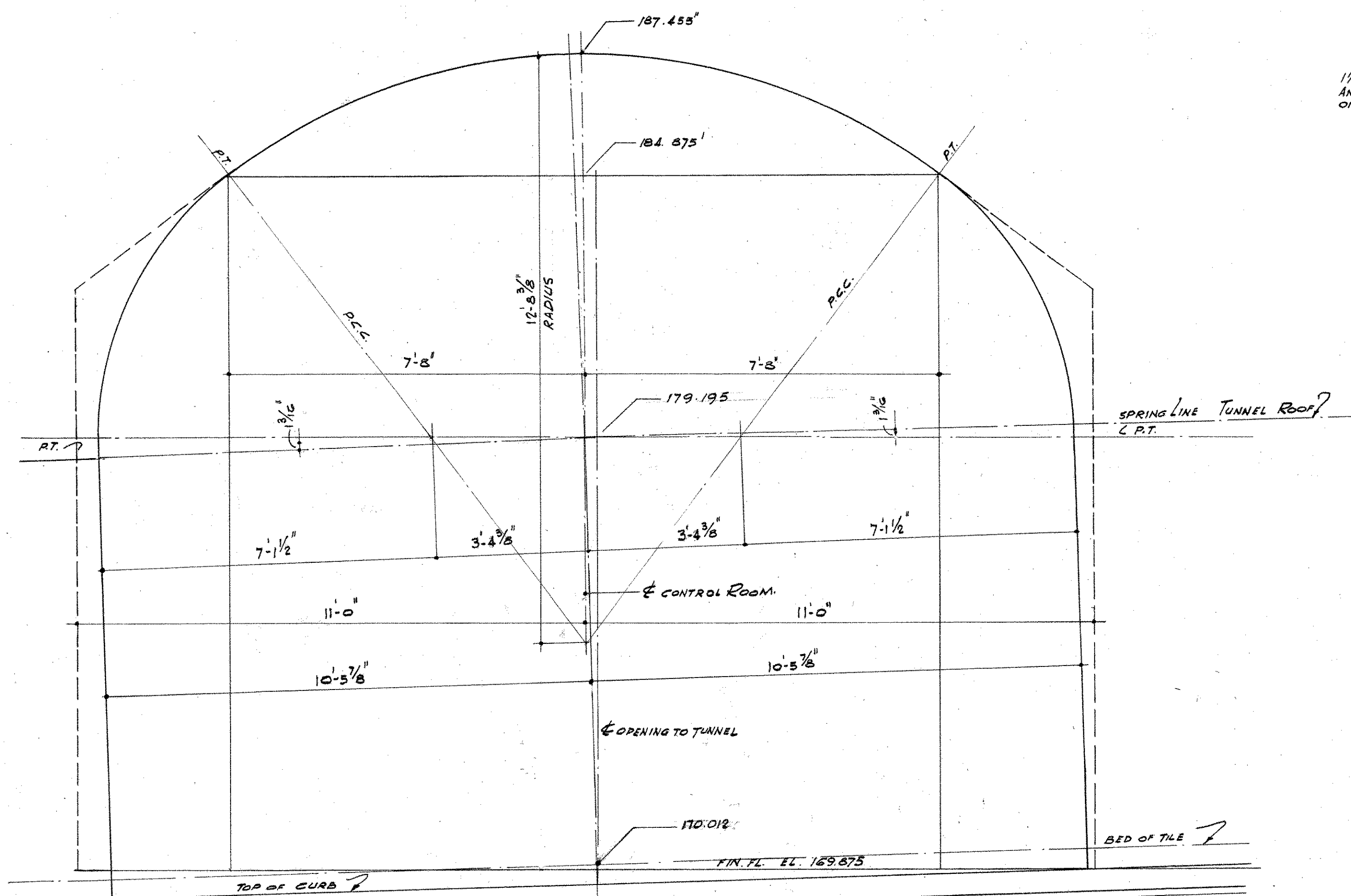
THE INFORMATION INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CONNECTICUT STATE HIGHWAY DEPARTMENT
WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
TILE & GRILLE DETAILS
TUNNEL WALLS

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.

SCALE AS NOTED
MADE BY C.C.C. - P.S.H.
CHECKED BY C.C.C. - L.J.H.
APPROVED _____ DATE 11/7/47

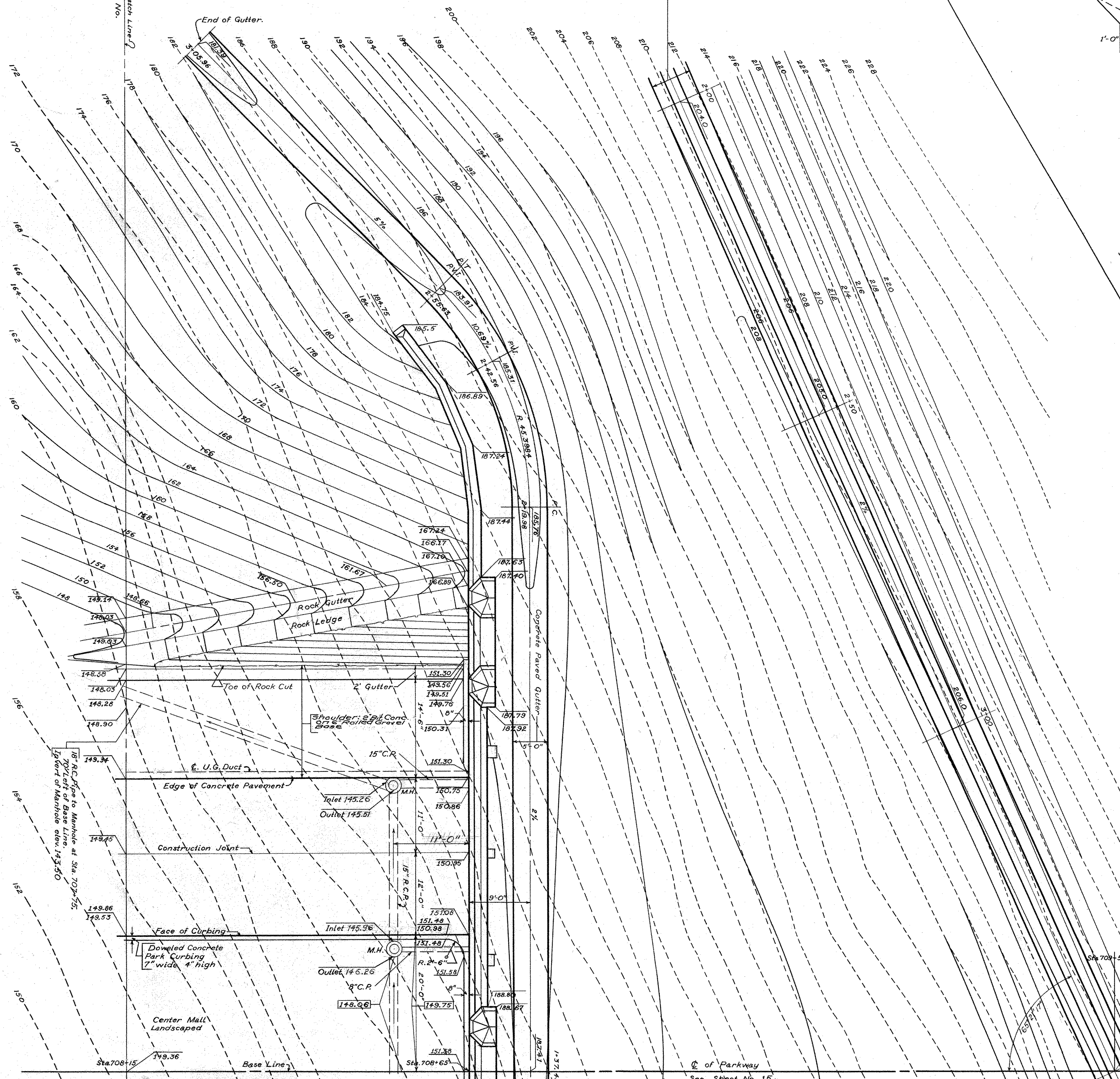
PROJECT NO. _____
TUNNEL SHEET NO. 11 OF 44



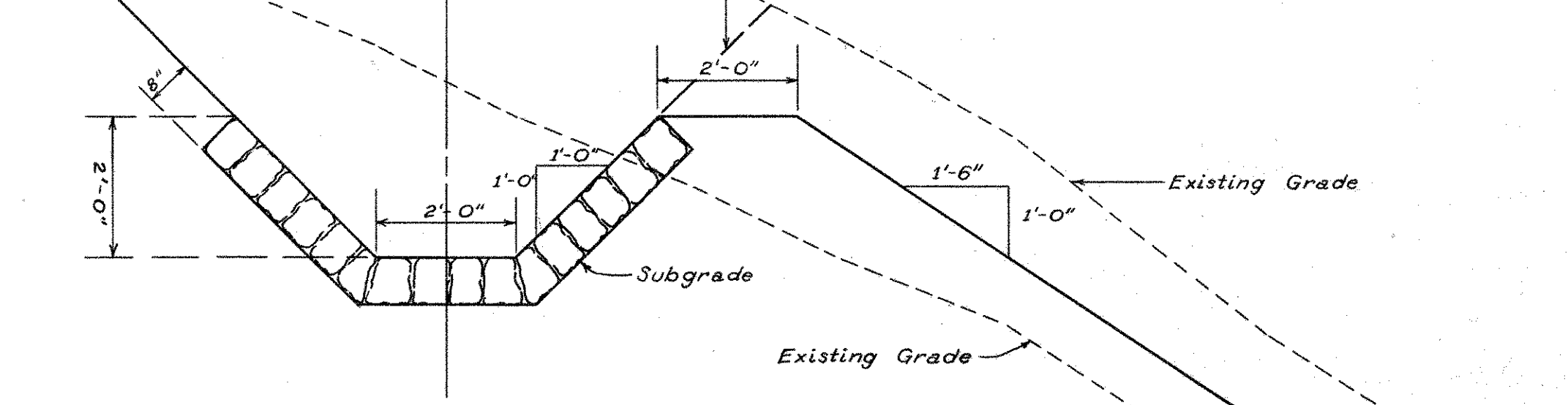
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL	
CONTROL ROOM DETAILS	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE AS NOTED	PROJECT NO.
MADE BY C.C.C.-P.S.H.	TUNNELSHEET NO.
CHECKED BY C.C.C.-L.J.H.	12 OF 44
APPROVED _____	DATE 11/17/47

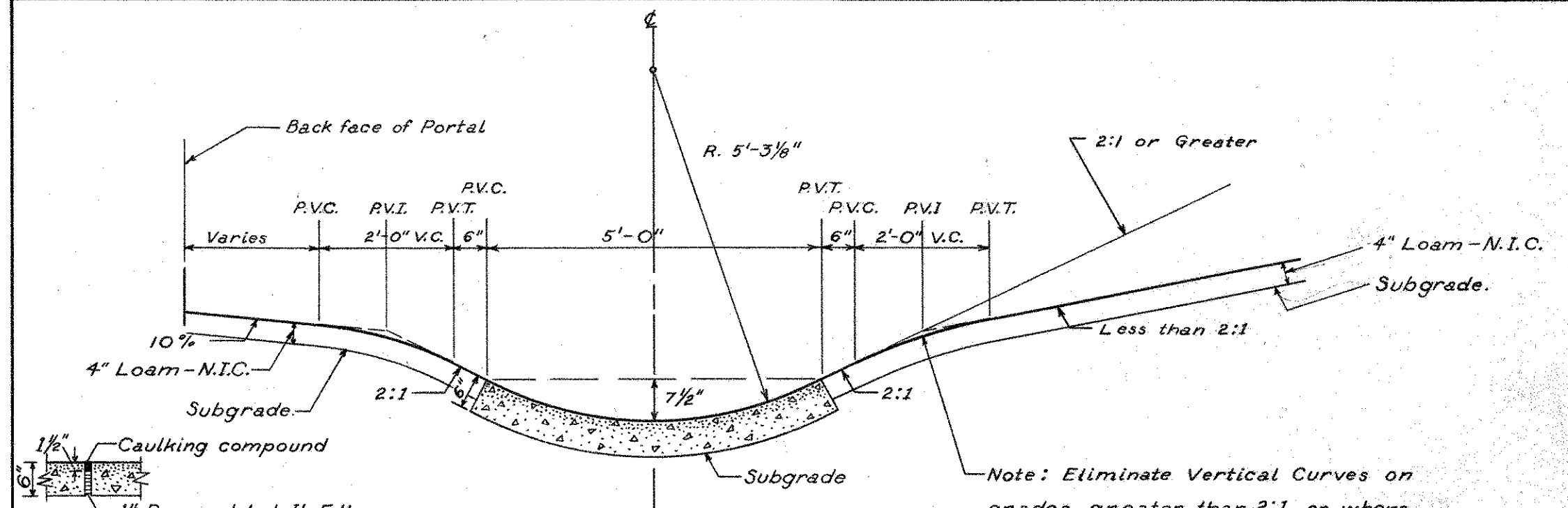
Note: Extend Intercepting Ditch to Station 0+00 with gradient not less than 2%



TYPICAL SECTION IN FULL CUT



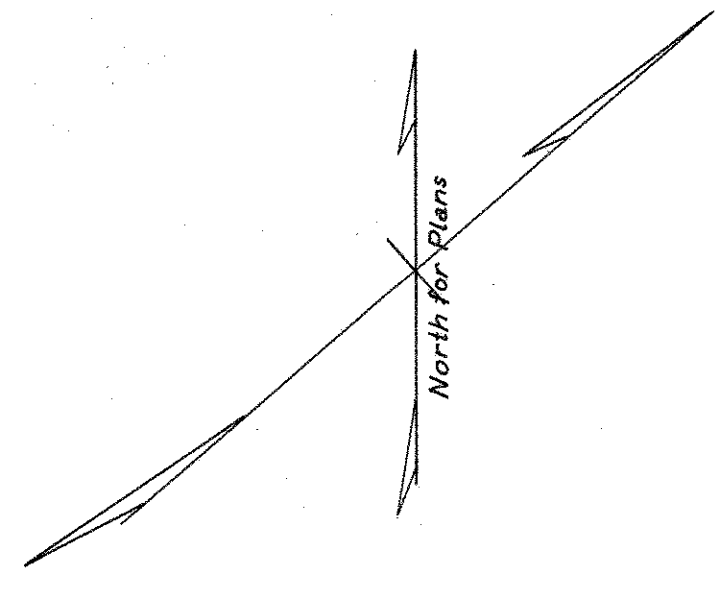
TYPICAL SECTION STONE MASONRY PAVED INTERCEPTING DITCH Scale - 1/2" = 1'-0"



TYPICAL EXPANSION JT. Spaced 70'± on centers.

TYPICAL SECTION CONCRETE PAVED GUTTER TOP OF EAST & WEST PORTALS Scale - 1/2" = 1'-0"

Note: Parkway gutters approaching Portal see Gutter Detail Sheet No. 15
 Rock Gutters are shown in section, Sheet No. 18
 For construction of Parkway approach paving see Sheet No. 18
 See General Notes Sheet No. 16

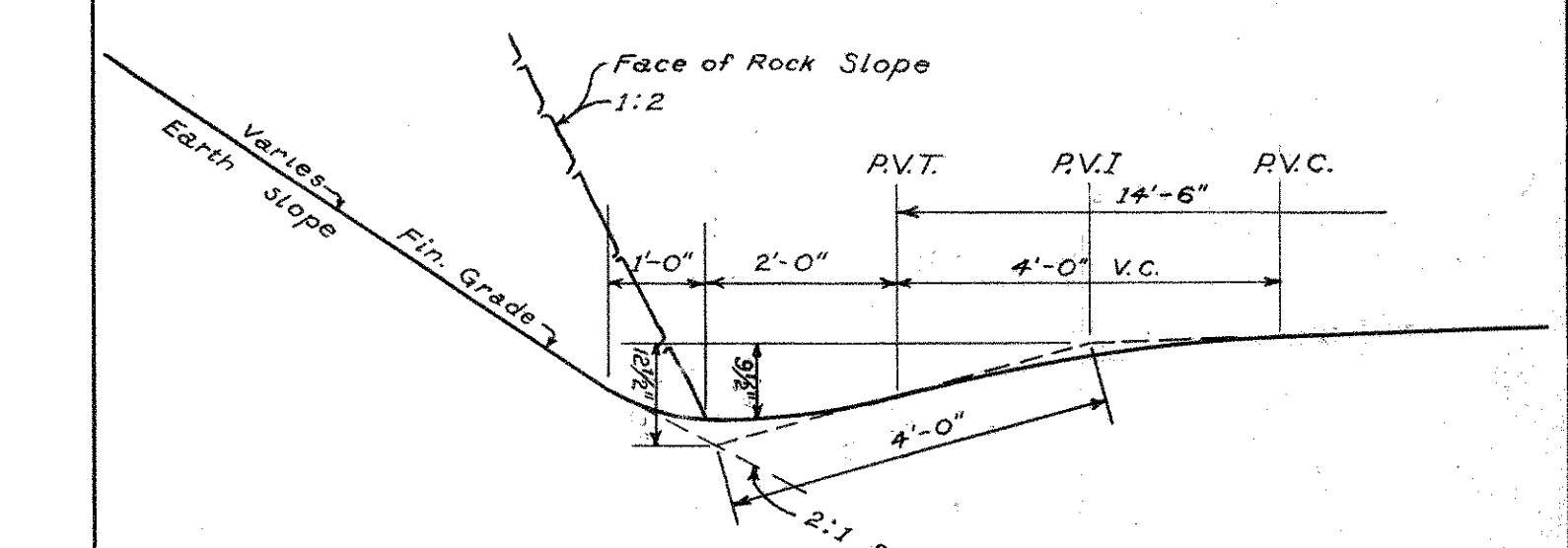


CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL WEST PORTAL GRADING PLAN I	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD	
ENGINEERS	NEW YORK, N.Y.
SCALE 1/8" = 1'-0"	PROJECT NO.
MADE BY R.T.	TUNNEL SHEET NO.
CHECKED BY J.W.T.	14 OF 44
APPROVED	DATE

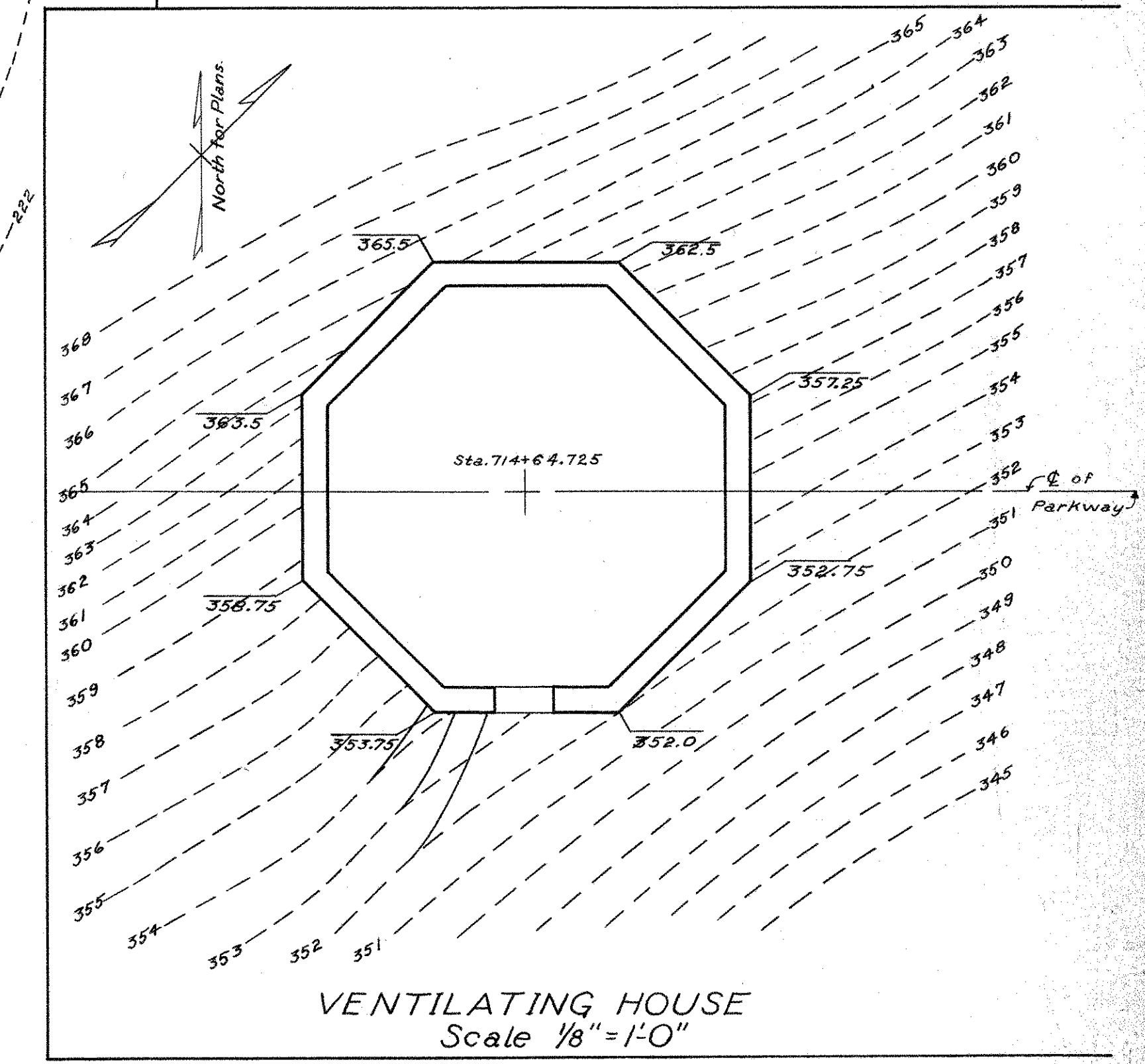
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		28	73

PROJECT NO. 185-90



GUTTER DETAIL
Scale 1/2"=1'-0"



VENTILATING HOUSE
Scale 1/8"=1'-0"

See Sheet Nos. 14, 16 for all notes.

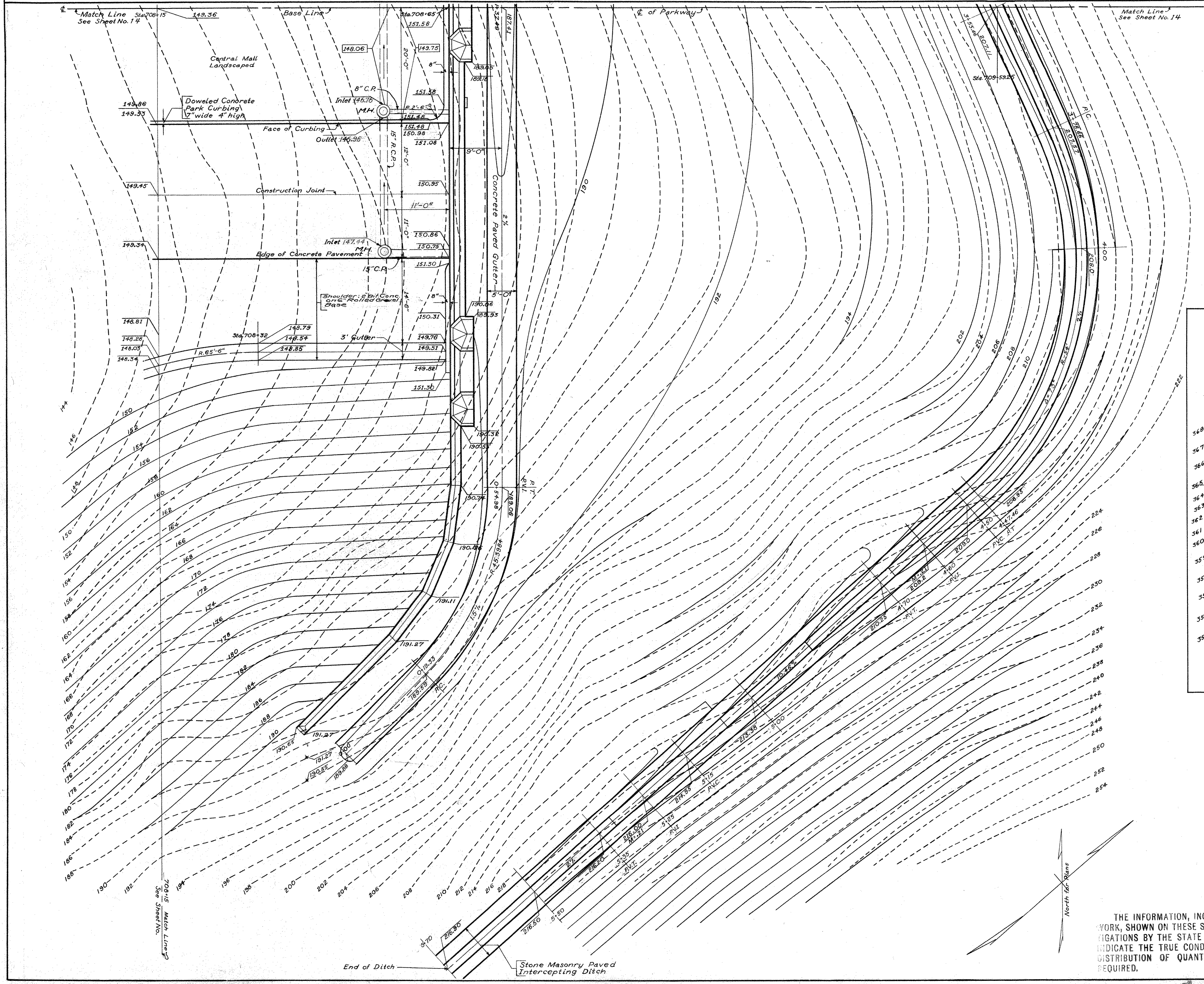
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

**CONNECTICUT
STATE HIGHWAY DEPARTMENT**

**WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
WEST PORTAL
GRADING PLAN II**

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD

ENGINEERS	NEW YORK, N.Y.
SCALE 3/8"=1'-0"	PROJECT NO.
MADE BY R.T.	TUNNEL SHEET NO.
CHECKED BY J.W.T.	15 of 44
APPROVED _____	DATE _____



FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		29	73

PROJECT NO. 185-90

NOTE
 For Typical Section of Concrete Paved Gutter see Sheet No. 14
 Parkway Gutter approaching Portal see Gutter Detail Sheet No. 15
 Rock Gutters are shown in section, Sheet No. 18
 For construction of Parkway approach paving see Sheet No. 18

GENERAL NOTES FOR GRADING

Existing Contours _____
 Finished Contours _____
 Reinforced Concrete Pipe _____
 Excavation Spot Grades—Mall _____ 184.66
 Finished Spot Grades _____ 186.95

The subgrade in all unpaved areas shall be 4" below finished contours and spot grades except for rock gutters, rock ledges, exposed rock slopes as shown, cut and fill areas for intercepting ditch, and center mall.

In center mall the subgrade shall be 6" below finished grade.

For rock gutters and ledges, and rock slopes, excavation shall be to finished grade.

Cut and fill areas for intercepting ditch, the work shall be carried to finished grade.

Subgrade for paved intercepting ditch and gutters as shown on Sheet No. 14

See Sheet No. 18 for Excavation, Pay Line under approach paving

In unpaved areas the top 3' of fill up to subgrade to be selected and approved material.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CONNECTICUT STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY
 WEST ROCK TUNNEL
 EAST PORTAL
 GRADING PLAN I

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD

ENGINEERS NEW YORK, N.Y.

SCALE 1/8" = 1'-0"

MADE BY J.W.T.

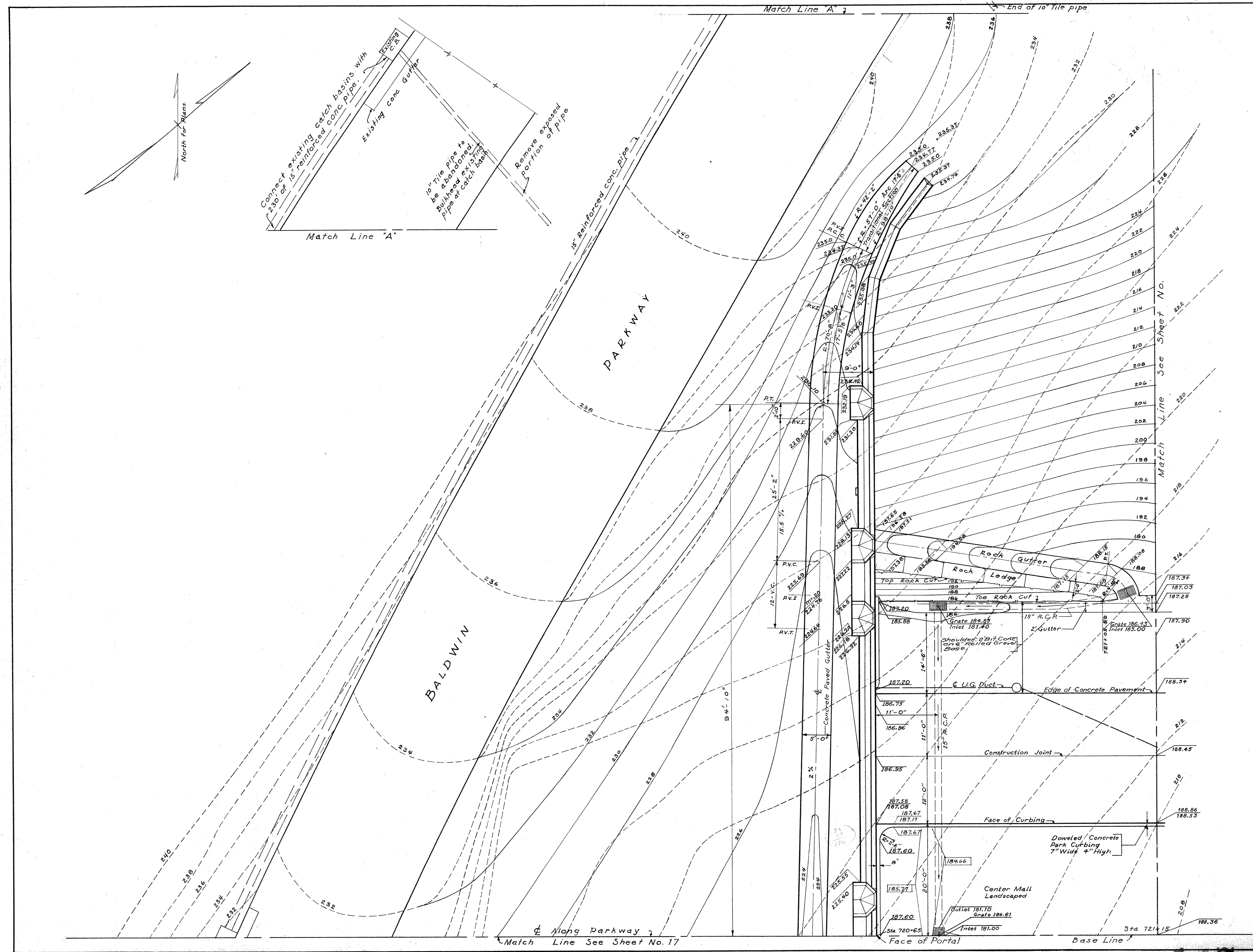
CHECKED BY J.W.T.

APPROVED _____ DATE _____

PROJECT NO.

TUNNEL SHEET NO.

16 of 44

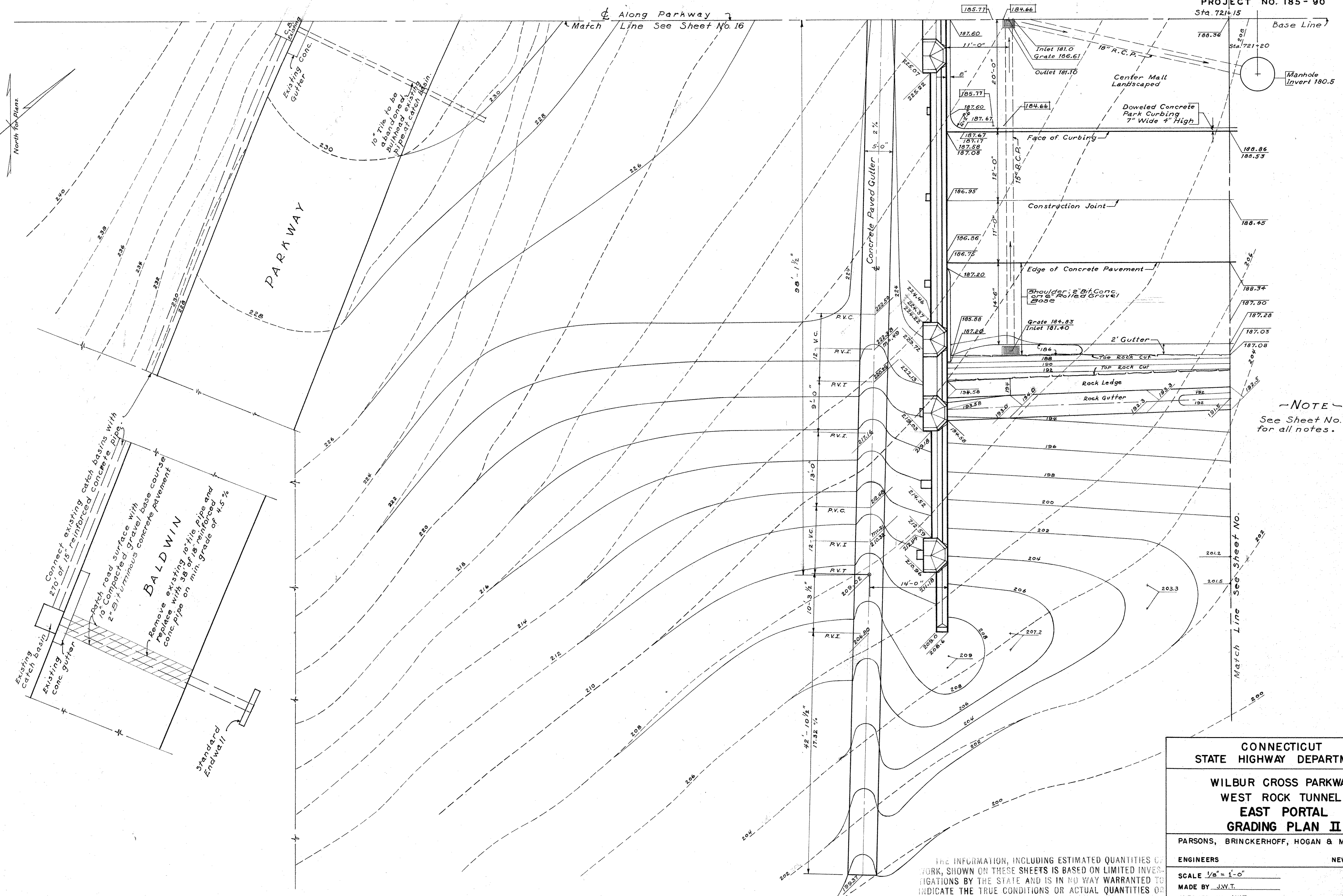


185 901

147 03

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		30	73

PROJECT NO. 185-90
Sta. 721-15



-NOTE-
See Sheet No. 16
for all notes.

**CONNECTICUT
STATE HIGHWAY DEPARTMENT**

**WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
EAST PORTAL
GRADING PLAN II**

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD
ENGINEERS
NEW YORK, N.Y.

SCALE 1/8" = 1'-0"
MADE BY J.W.T.
CHECKED BY J.W.T.
APPROVED _____ DATE _____

PROJECT NO. _____
TUNNEL SHEET NO. 17 OF 44

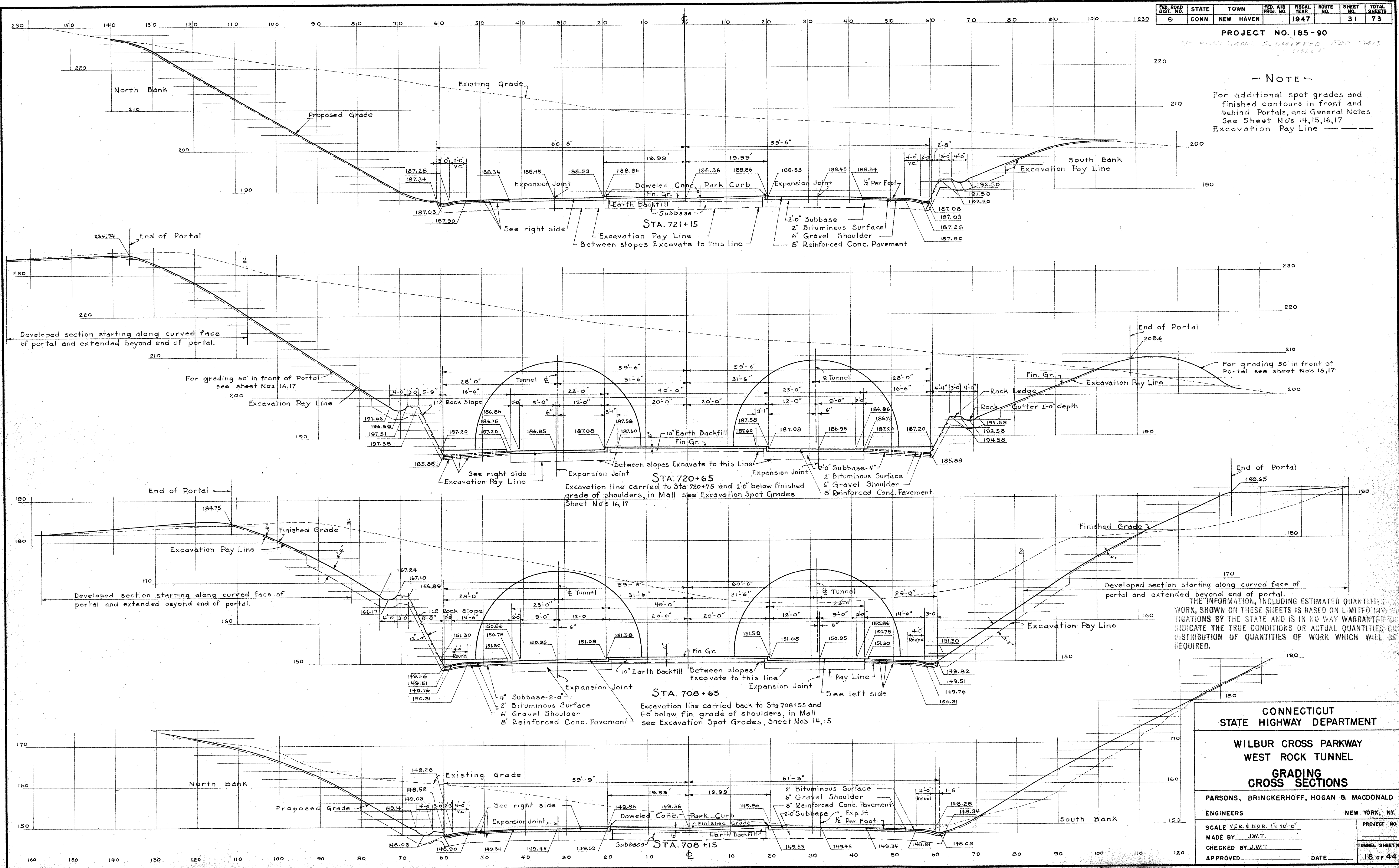
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PROJECT NO. 185-90

NO PORTALS SUBMITTED FOR THIS SHEET

NOTE

For additional spot grades and finished contours in front and behind Portals, and General Notes See Sheet No's 14, 15, 16, 17 Excavation Pay Line



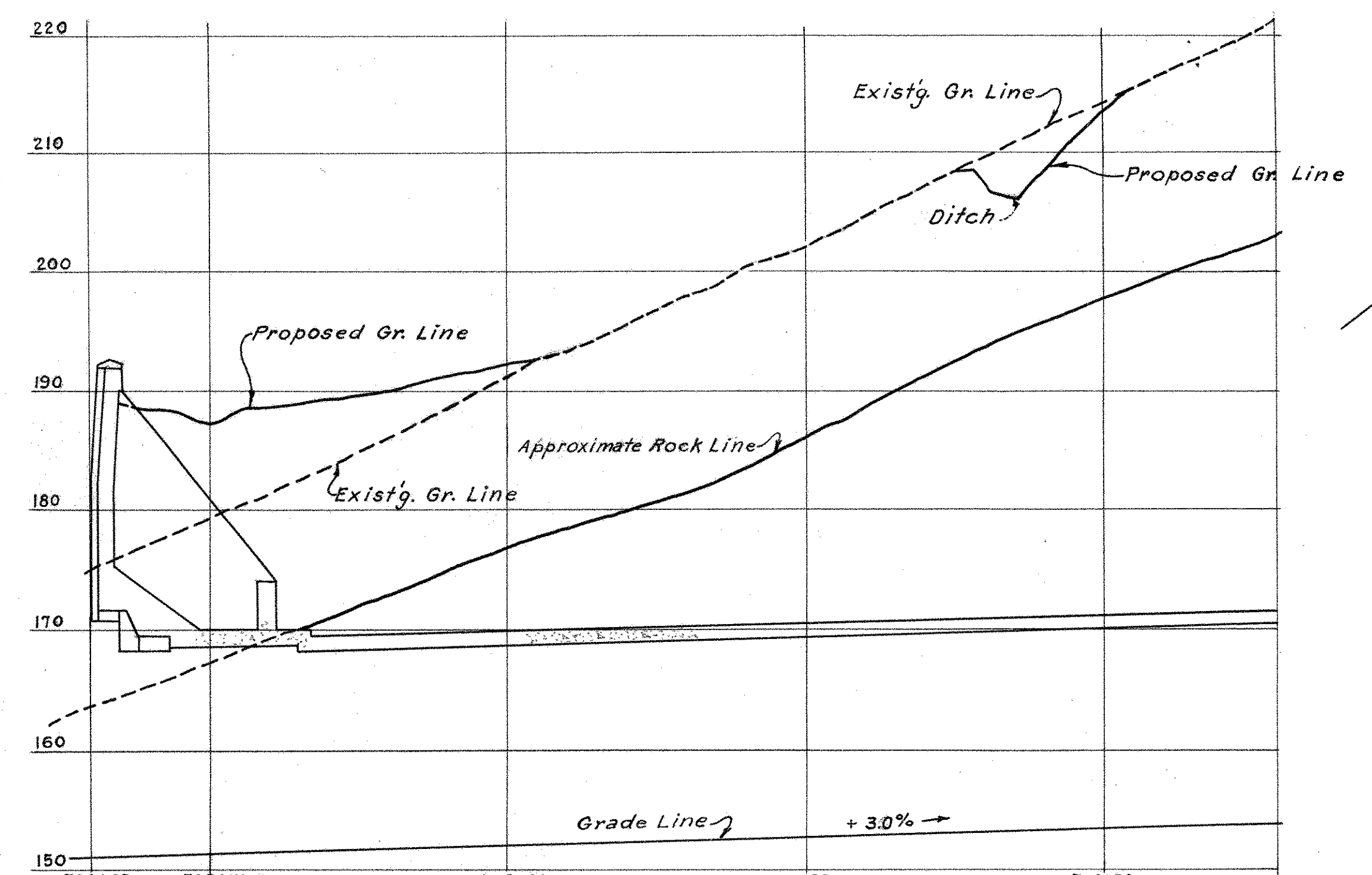
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CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL	
GRADING CROSS SECTIONS	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD	
ENGINEERS NEW YORK, N.Y.	
SCALE VER. & HOR. 1" = 10'-0"	PROJECT NO.
MADE BY J.W.T.	TUNNEL SHEET NO.
CHECKED BY J.W.T.	18 OF 44
APPROVED _____	DATE _____

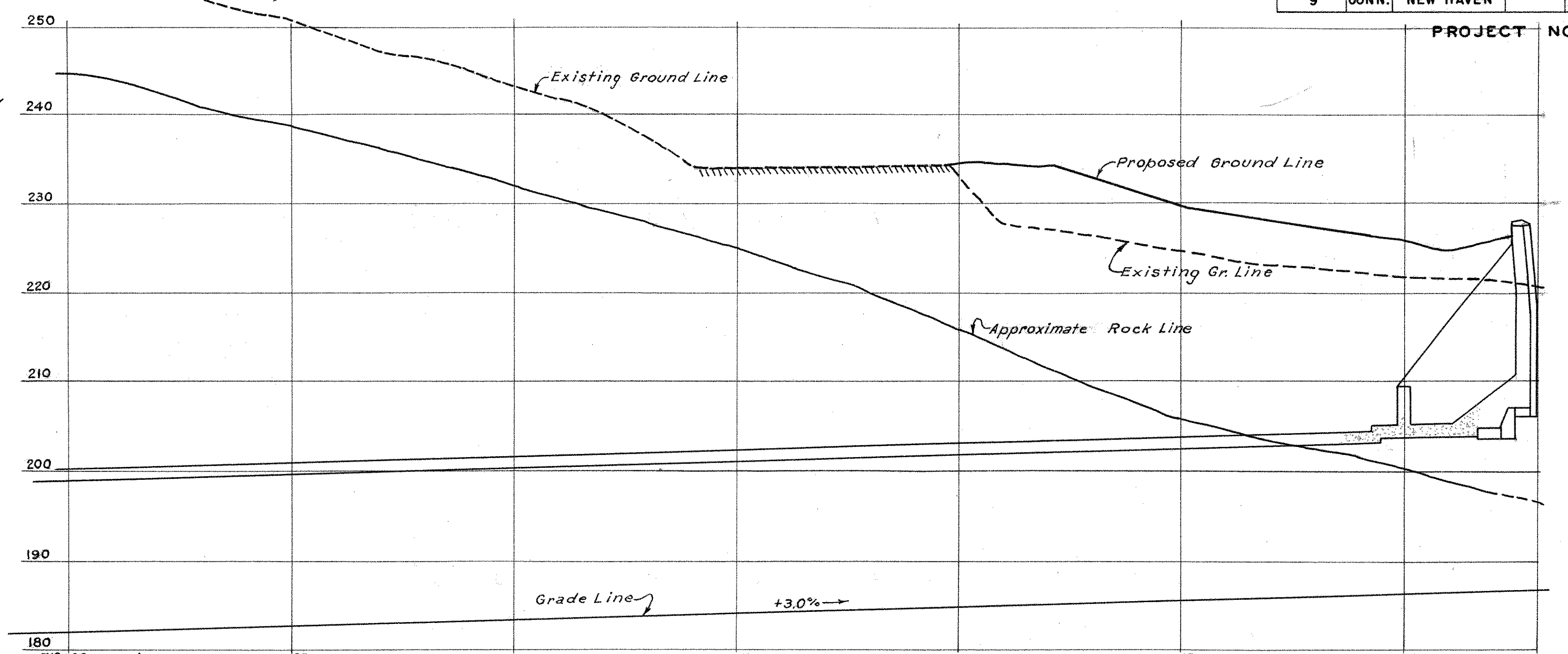
NO REVISIONS SUBMITTED FOR THIS SHEET

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		32	73

PROJECT NO. 185-90

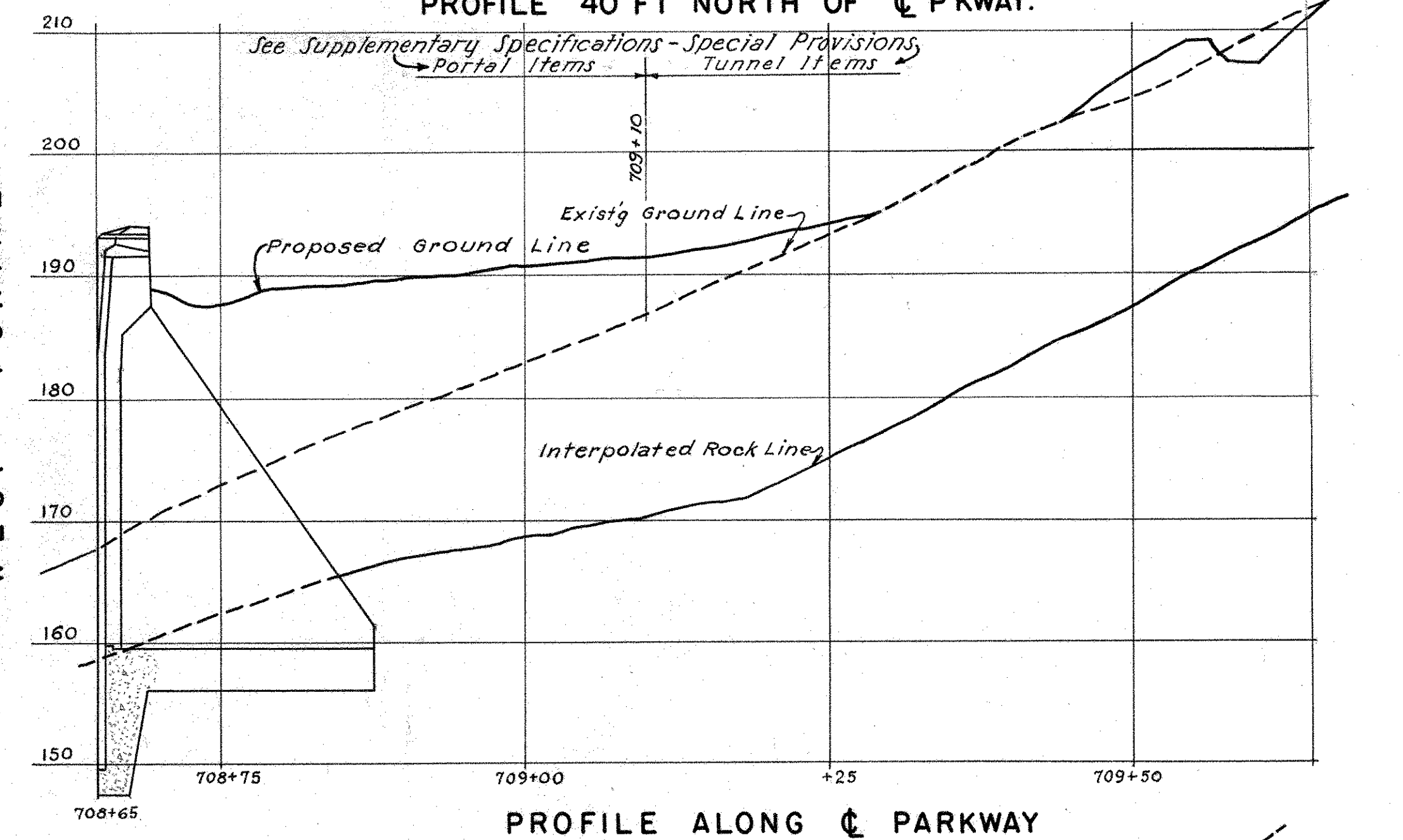


PROFILE 40' FT NORTH OF P'KWAY.

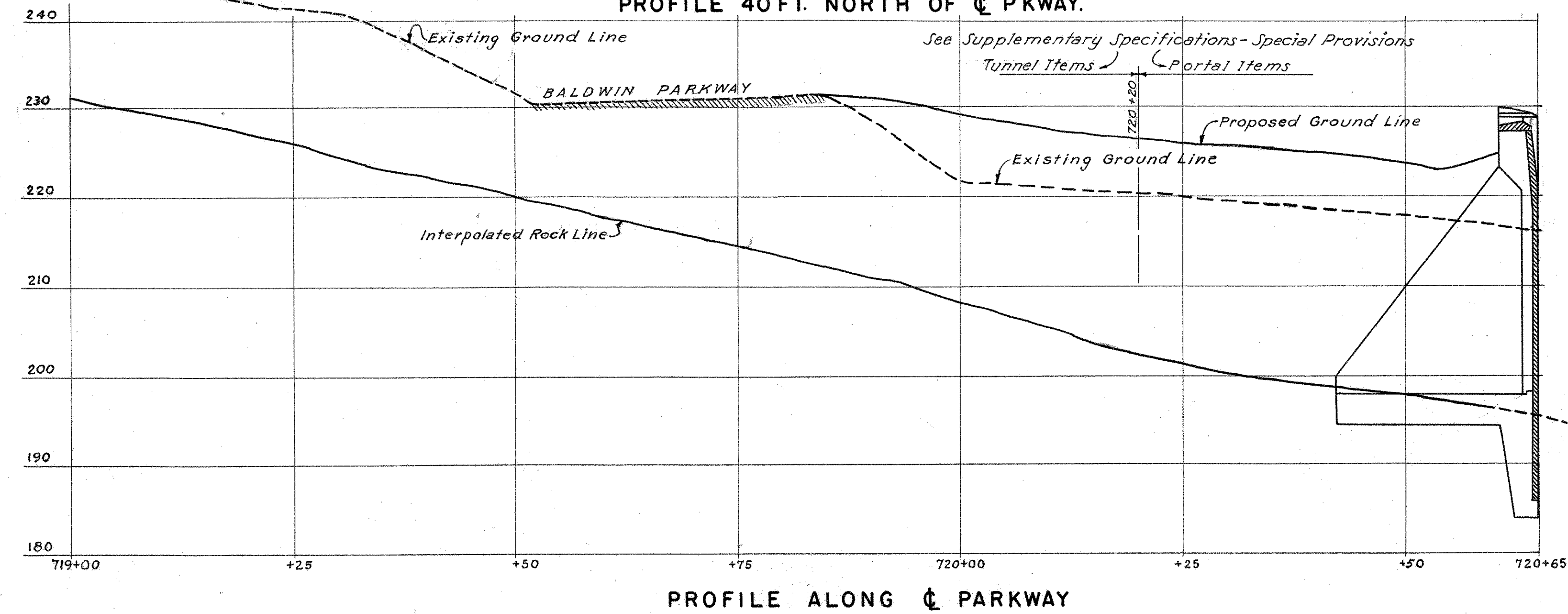


PROFILE 40' FT NORTH OF P'KWAY.

WEST PORTAL

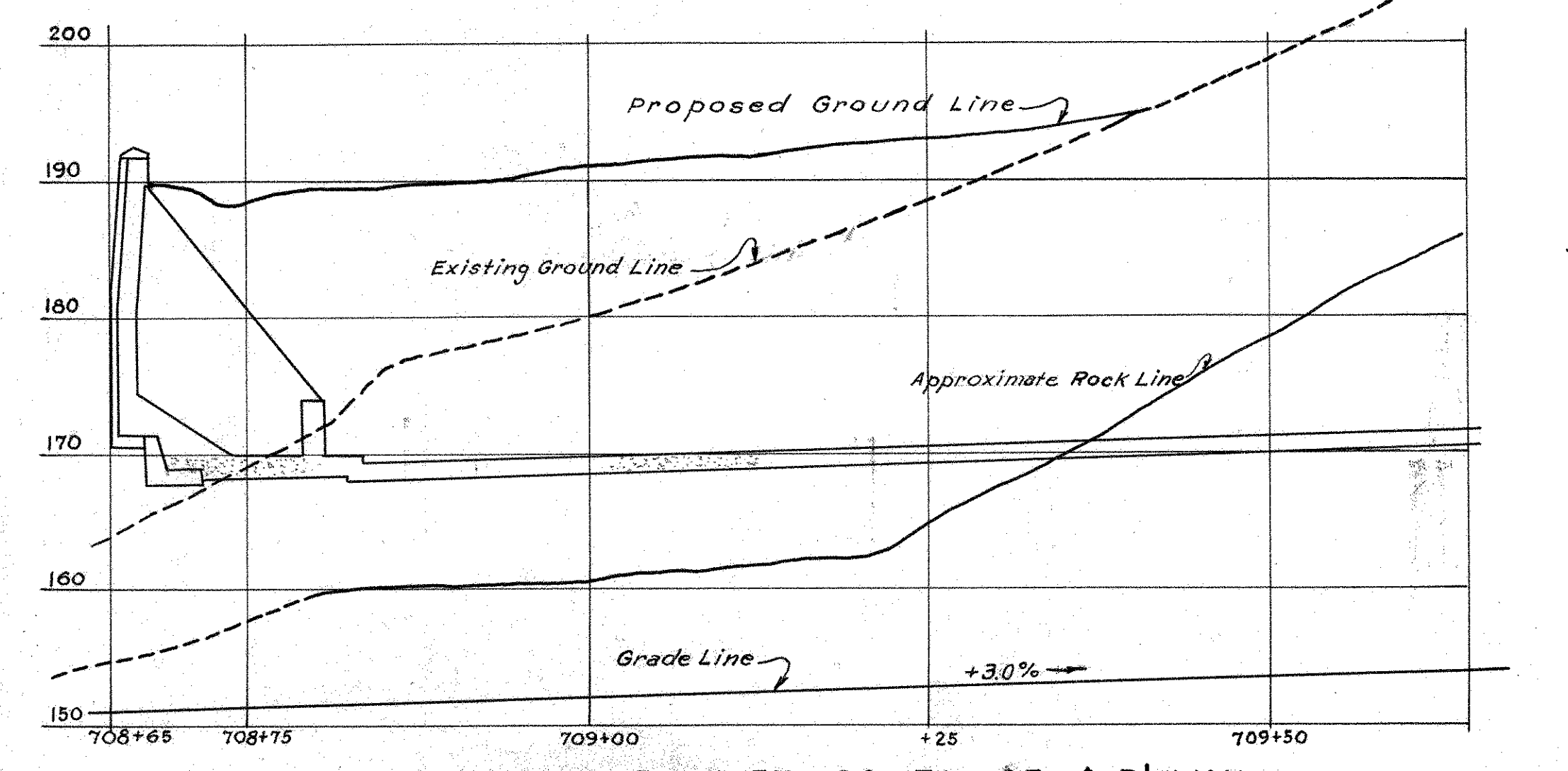


PROFILE ALONG PARKWAY

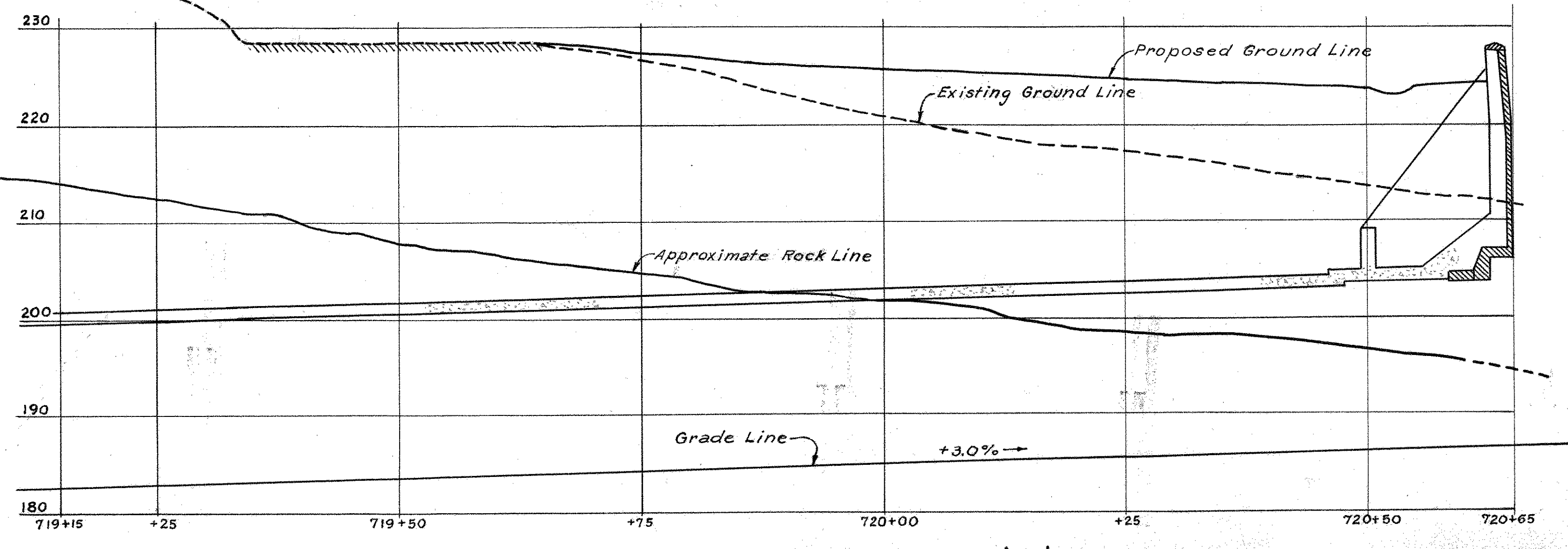


PROFILE ALONG PARKWAY

EAST PORTAL



PROFILE 40' FT. SOUTH OF P'KWAY



PROFILE 40' FT. SOUTH OF P'KWAY.

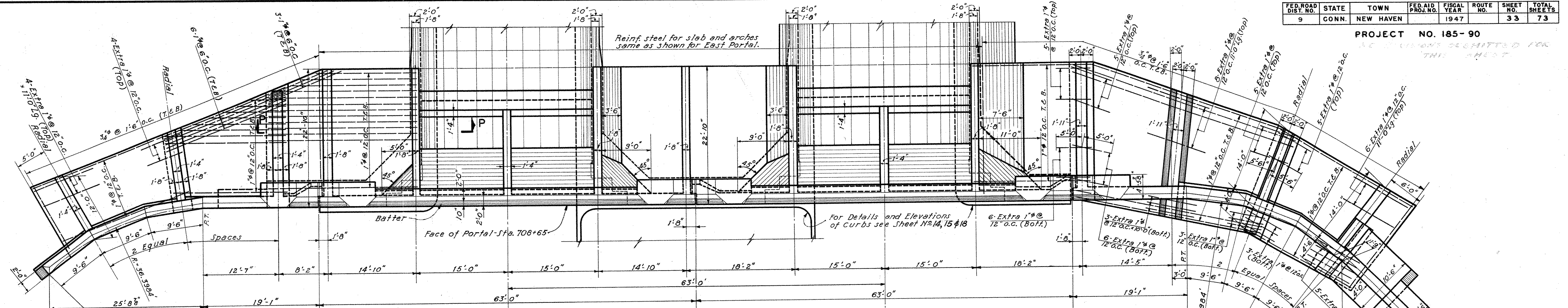
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CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL WEST AND EAST PORTALS PROFILES	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE 1"=10' Hor. & Vert.	PROJECT NO.
MADE BY P.C.	TUNNEL SHEET NO.
CHECKED BY A.T.W.	19 OF 44
APPROVED _____	DATE _____

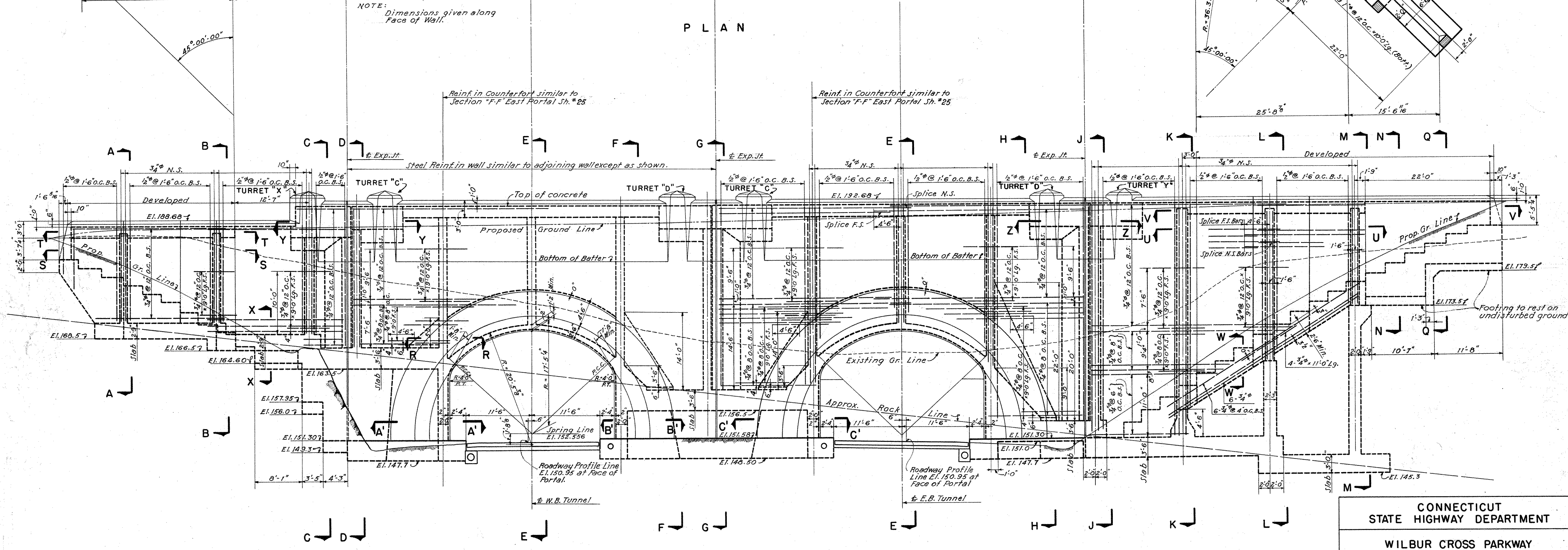
185 901

147 03

PROJECT NO. 185-90



PLAN



ELEVATION

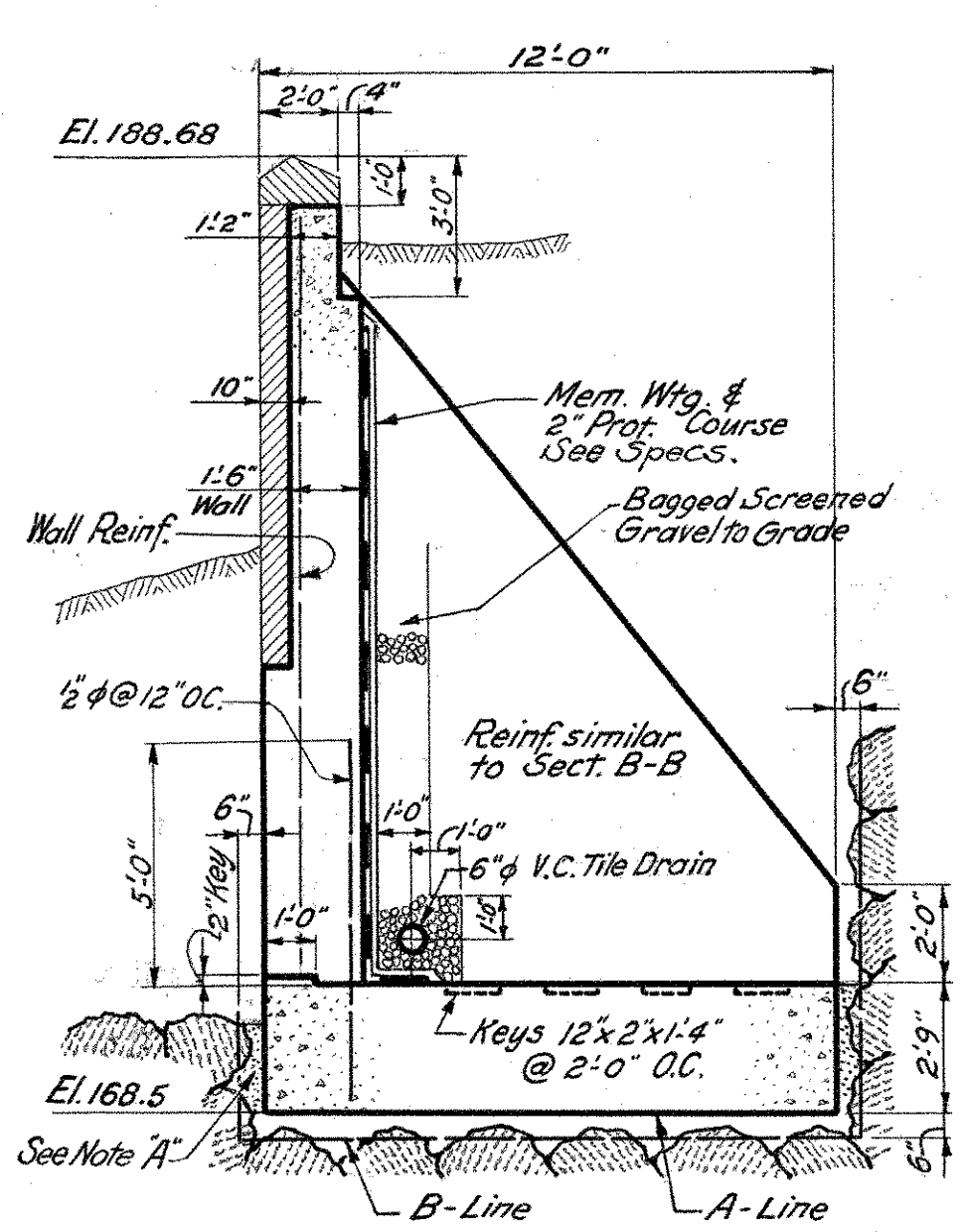
- NOTES**
1. For General Notes see Sheet No. 1
 2. For Sections A-A, B-B, C-C, D-D, H-H, X-X, & Y-Y see Sheet No. 21
 3. For Sections E-E, P-P, R-R, S-S, T-T & Z-Z see Sheet No. 23
 4. For Sections J-J, K-K, L-L, M-M, N-N, Q-Q, U-U, V-V, & W-W see Sheet No. 22
 5. Section F-F similar to Section F-F East Portal shown on Sheet No. 25
 6. Section G-G similar to Section G-G East Portal shown on Sheet No. 25
 7. Sections A'A, B'B & C'C similar to Section X-X East Portal shown on Sheet No. 25
 8. For Portal Drainage see Sheet No. 23
 9. For Tunnel Drainage see Sheet No. 34
 10. For Details and location of Electrical Conduits see Sheets No. 39 & 40
 11. For Elevations and dimensions of stone steps see Sheet No. 4

CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL WEST PORTAL	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD	
ENGINEERS	NEW YORK, N.Y.
SCALE 1/8" = 1'-0"	PROJECT NO.
MADE BY G.V.	TUNNEL SHEET NO.
CHECKED BY A.B.J.	DATE
APPROVED	20 of 44

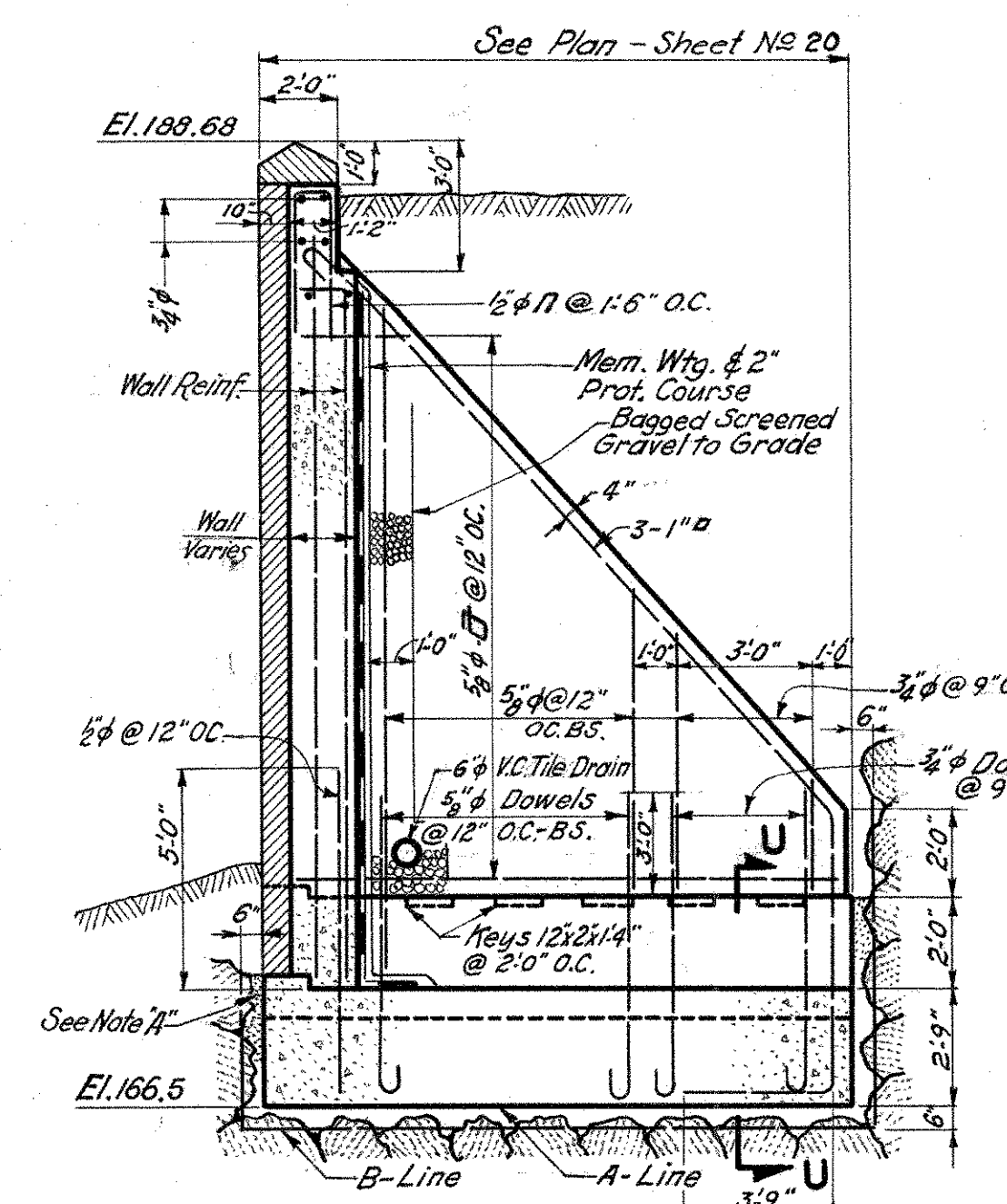
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FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		34	73

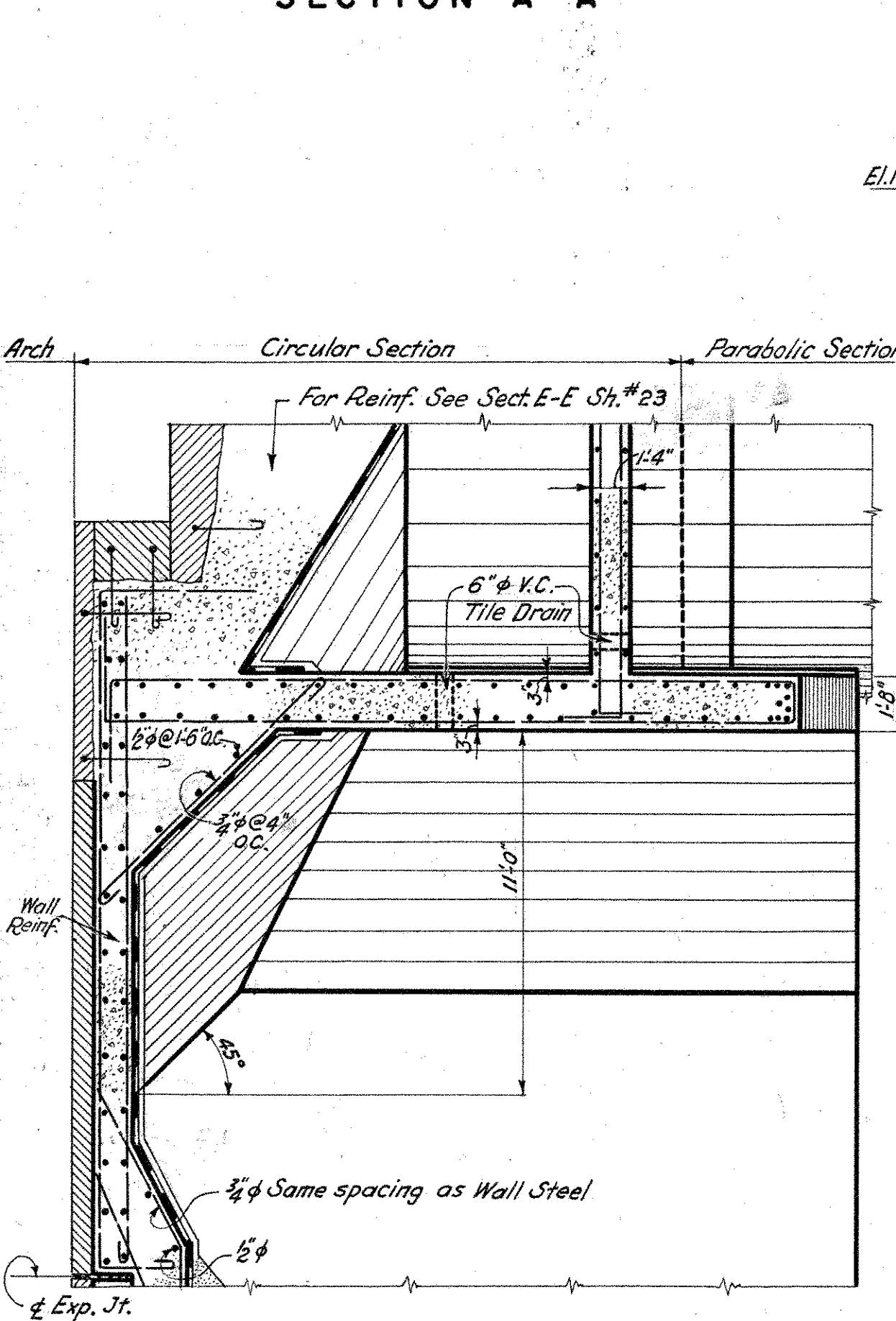
PROJECT NO. 185-90



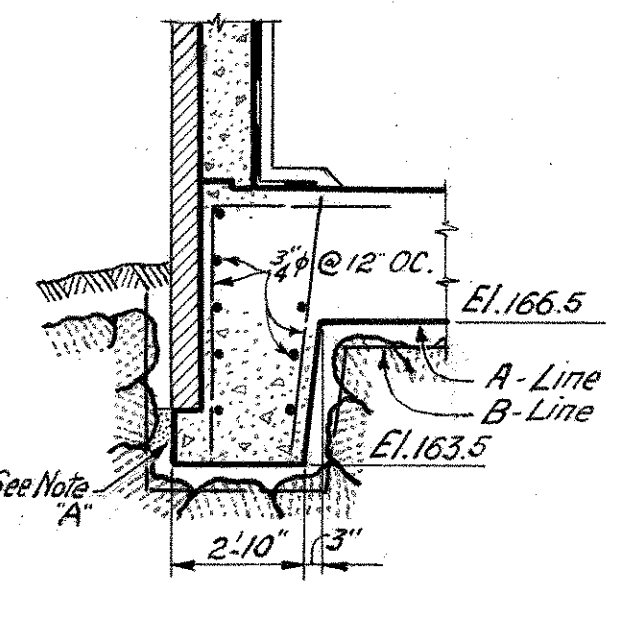
SECTION A-A



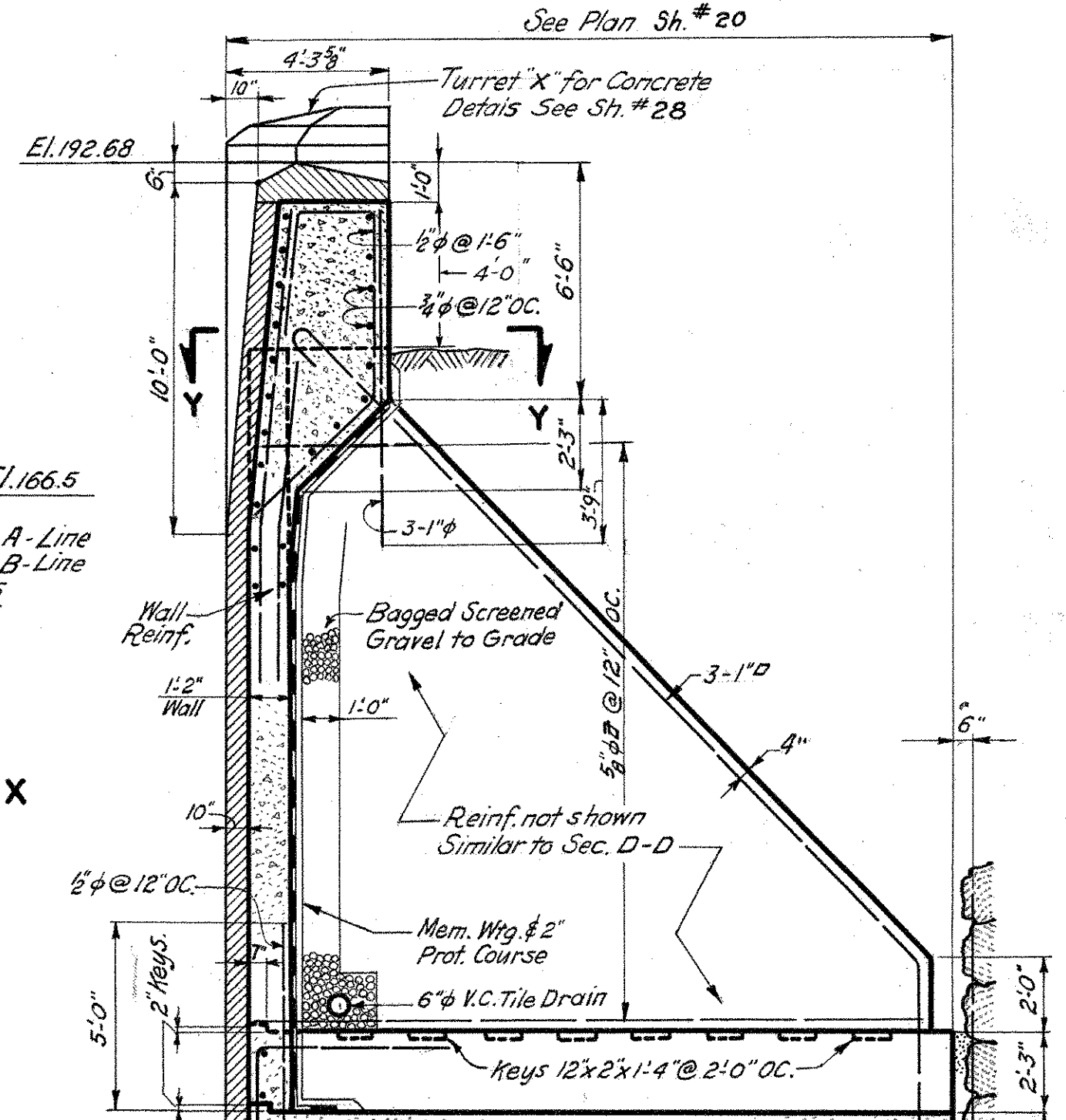
SECTION B-B



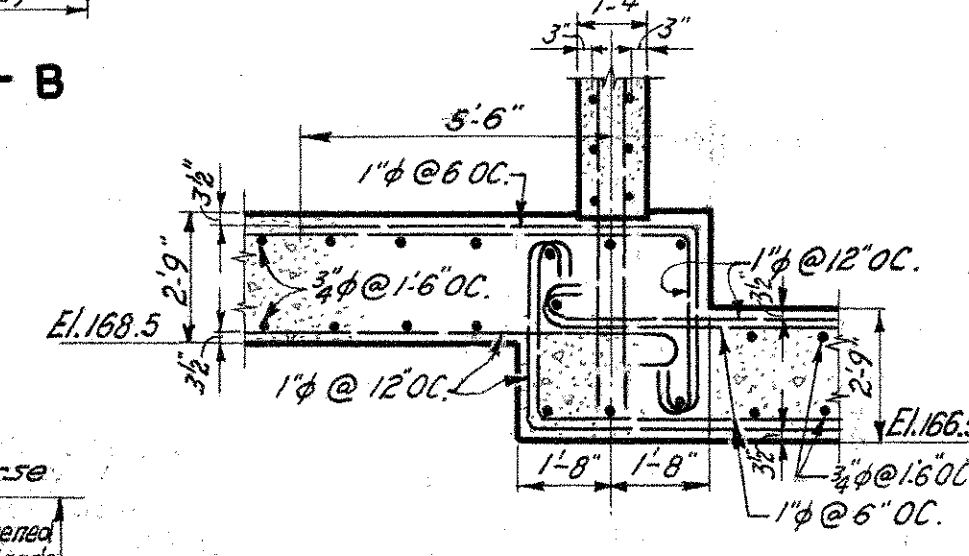
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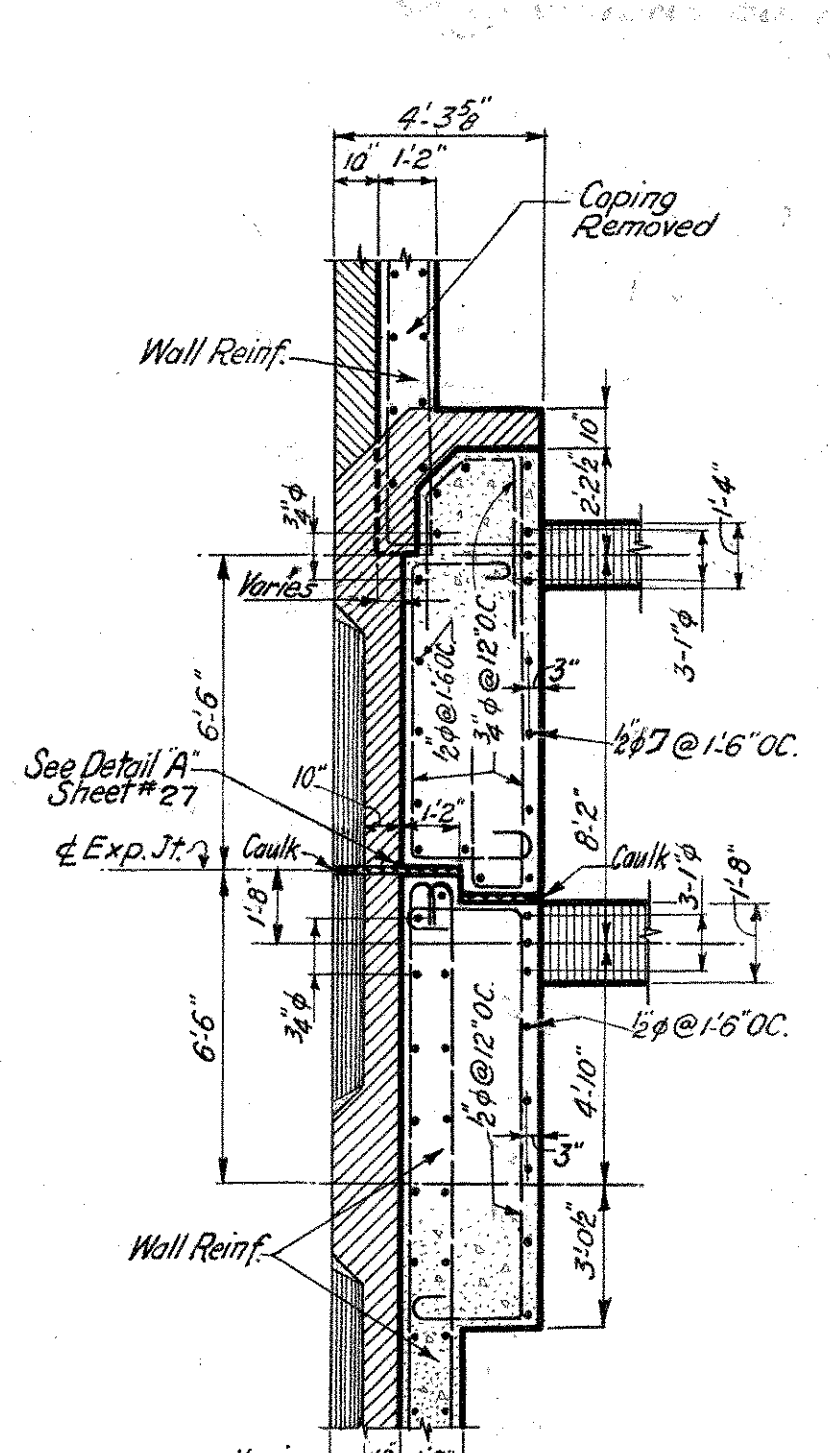
SECTION X-X



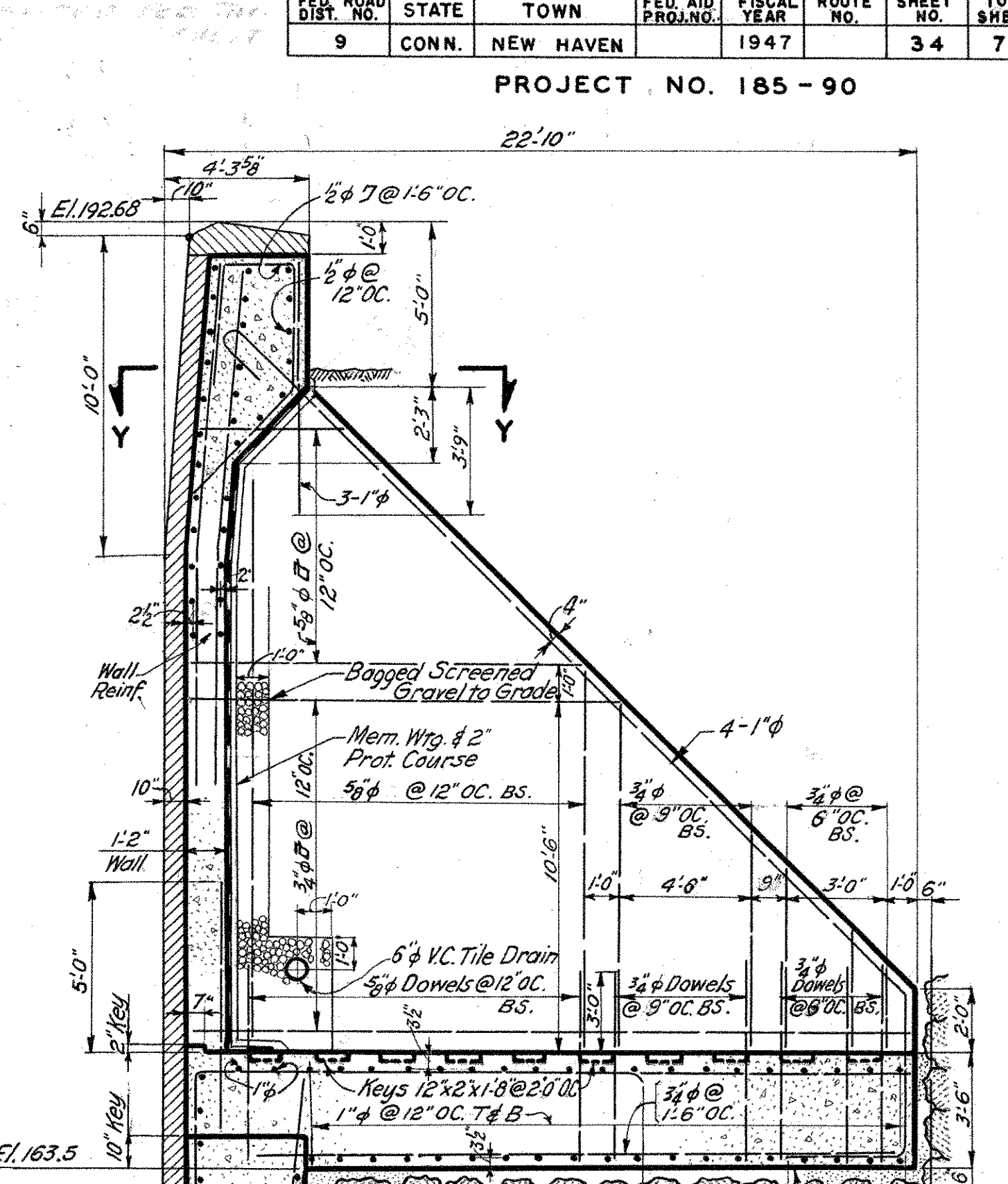
SECTION C-C



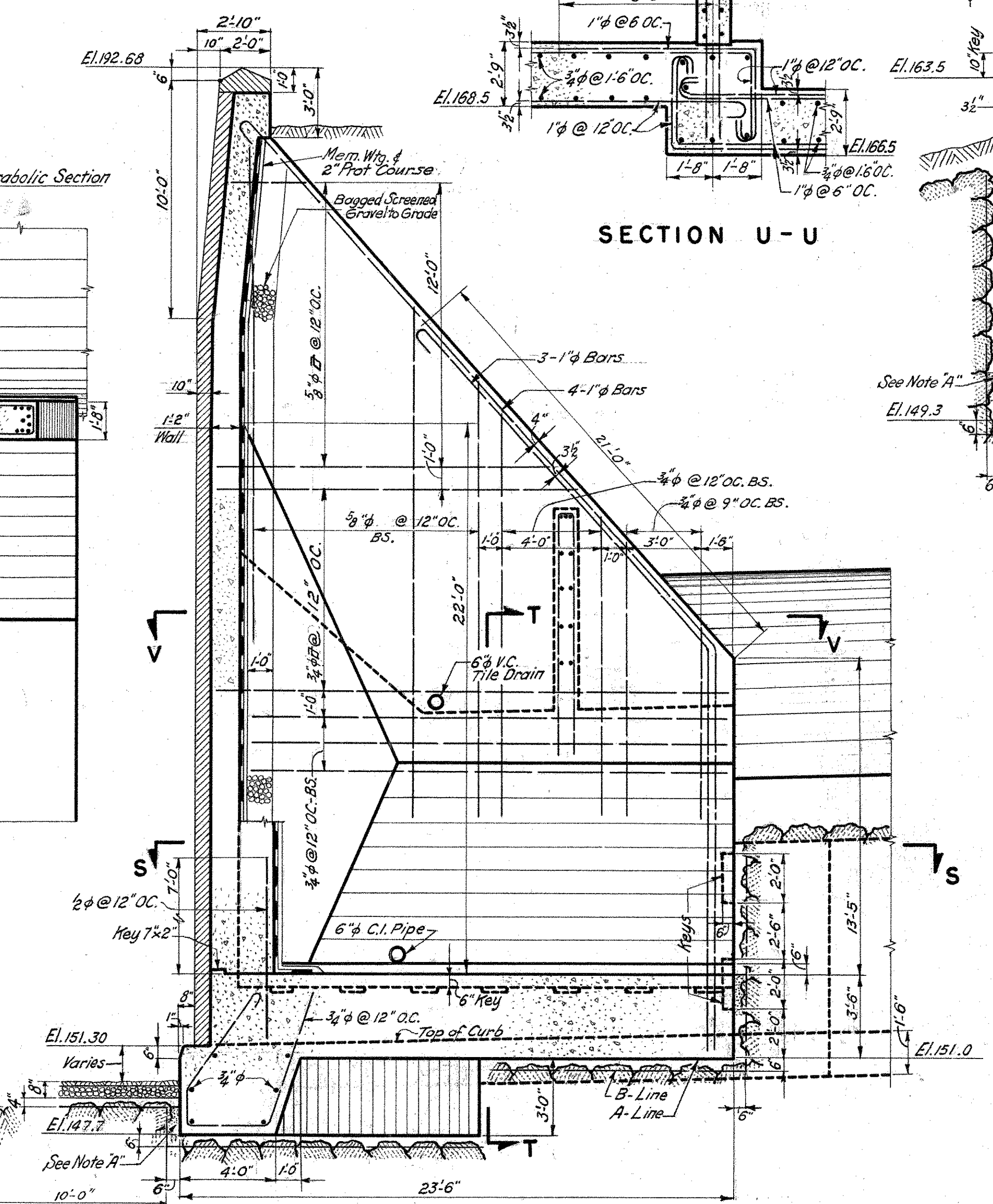
SECTION U-U



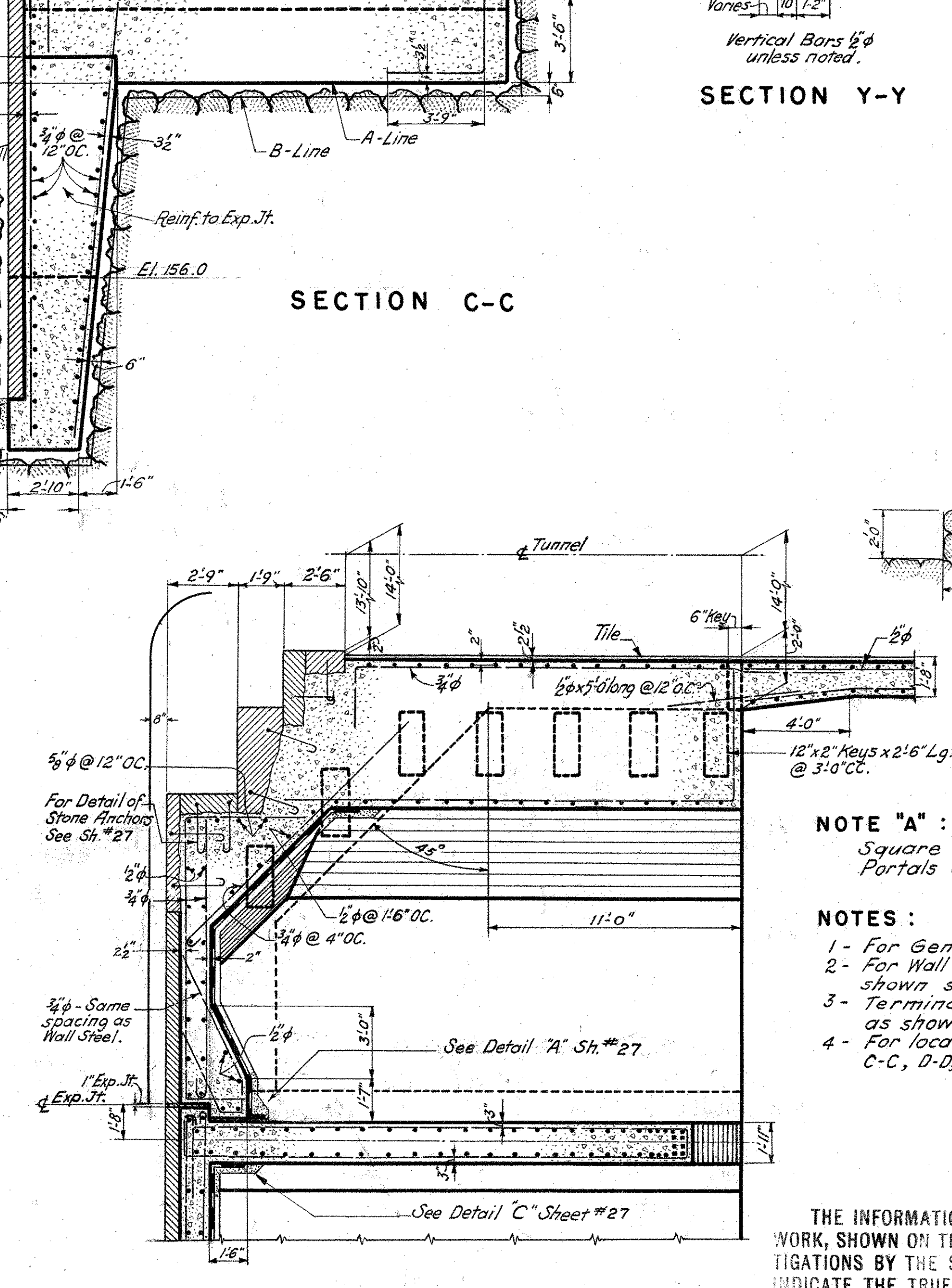
SECTION Y-Y



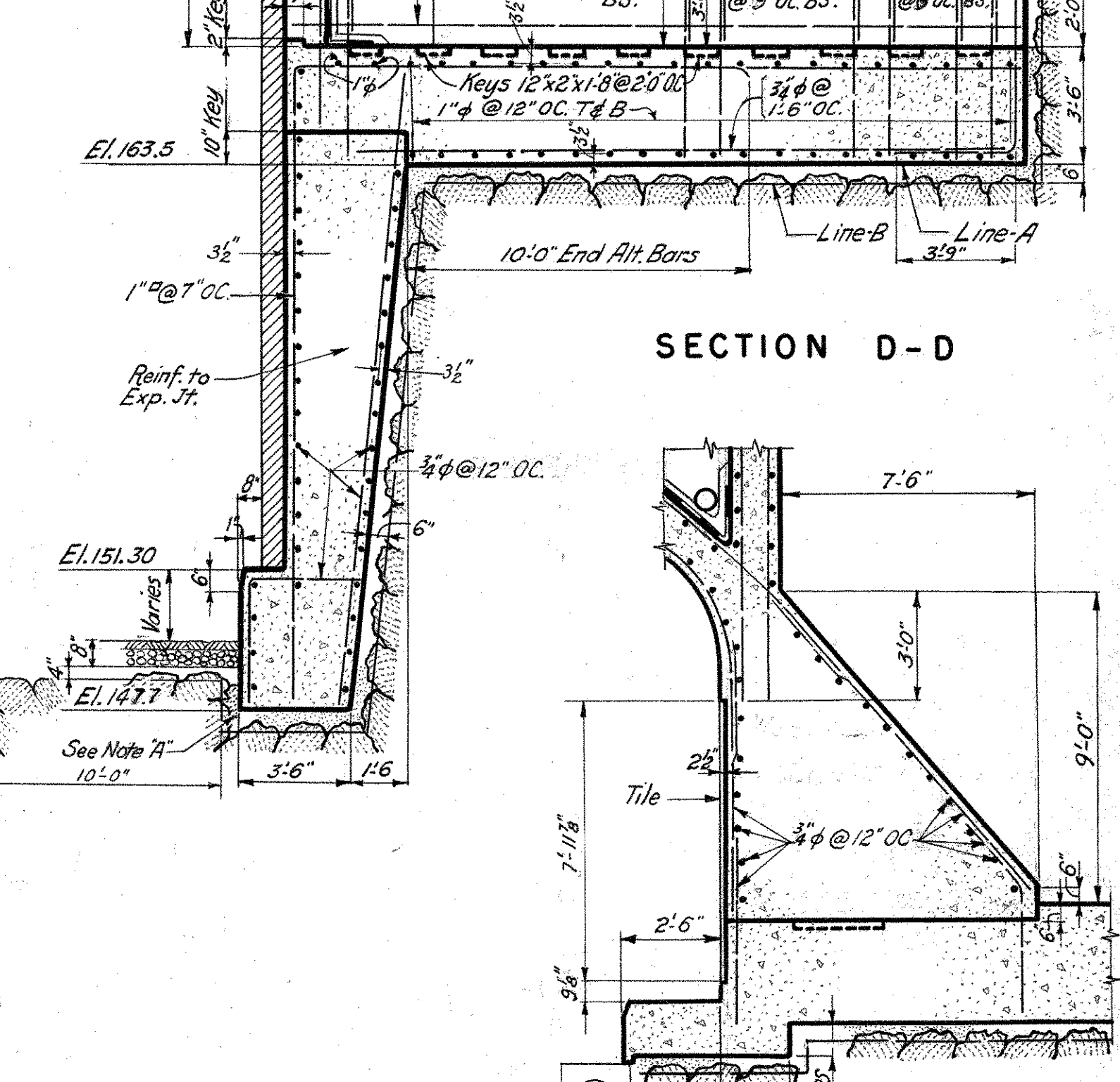
SECTION D-D



SECTION H-H



SECTION S-S



SECTION T-T

NOTE "A":
Square off rock face in front of Portals and pour concrete to rock face.

- NOTES:
- 1- For General Notes See Sheet #1
 - 2- For Wall and slab reinforcing not shown see Sheet #20
 - 3- Terminate waterproofing in reglet as shown in Detail "C" Sheet #27
 - 4- For location of Sections: A-A, B-B, C-C, D-D, H-H, X-X & Y-Y See Sheet #20

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OF DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

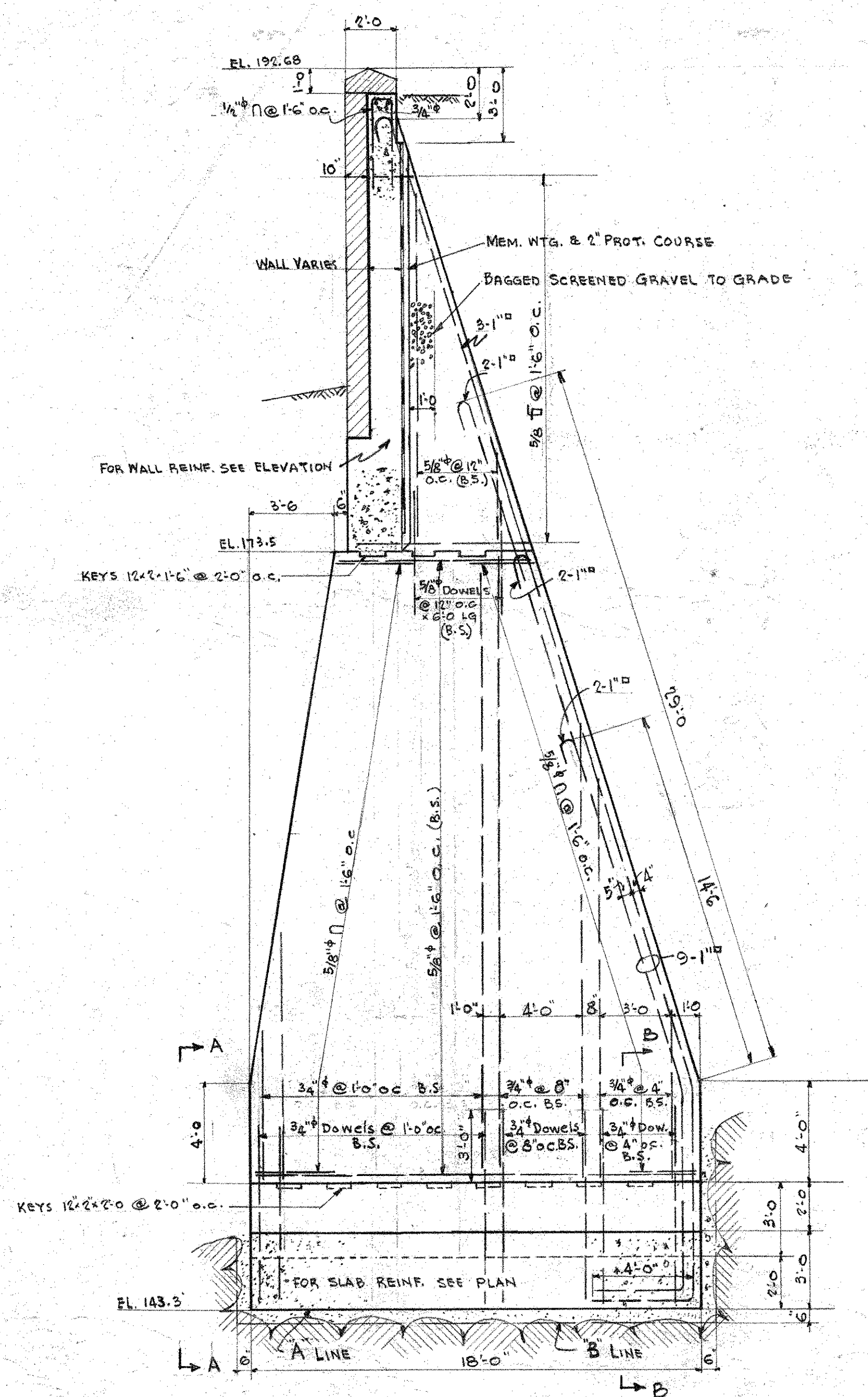
CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL WEST PORTAL SECTIONS	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD	
ENGINEERS	NEW YORK, N.Y.
SCALE: 1/4" = 1'-0"	PROJECT NO.
MADE BY: G.V.	TUNNEL SHEET NO.
CHECKED BY: A.B.J.	21 OF 44
APPROVED _____	DATE _____

NO REVISIONS SUBMITTED FOR THIS SHEET

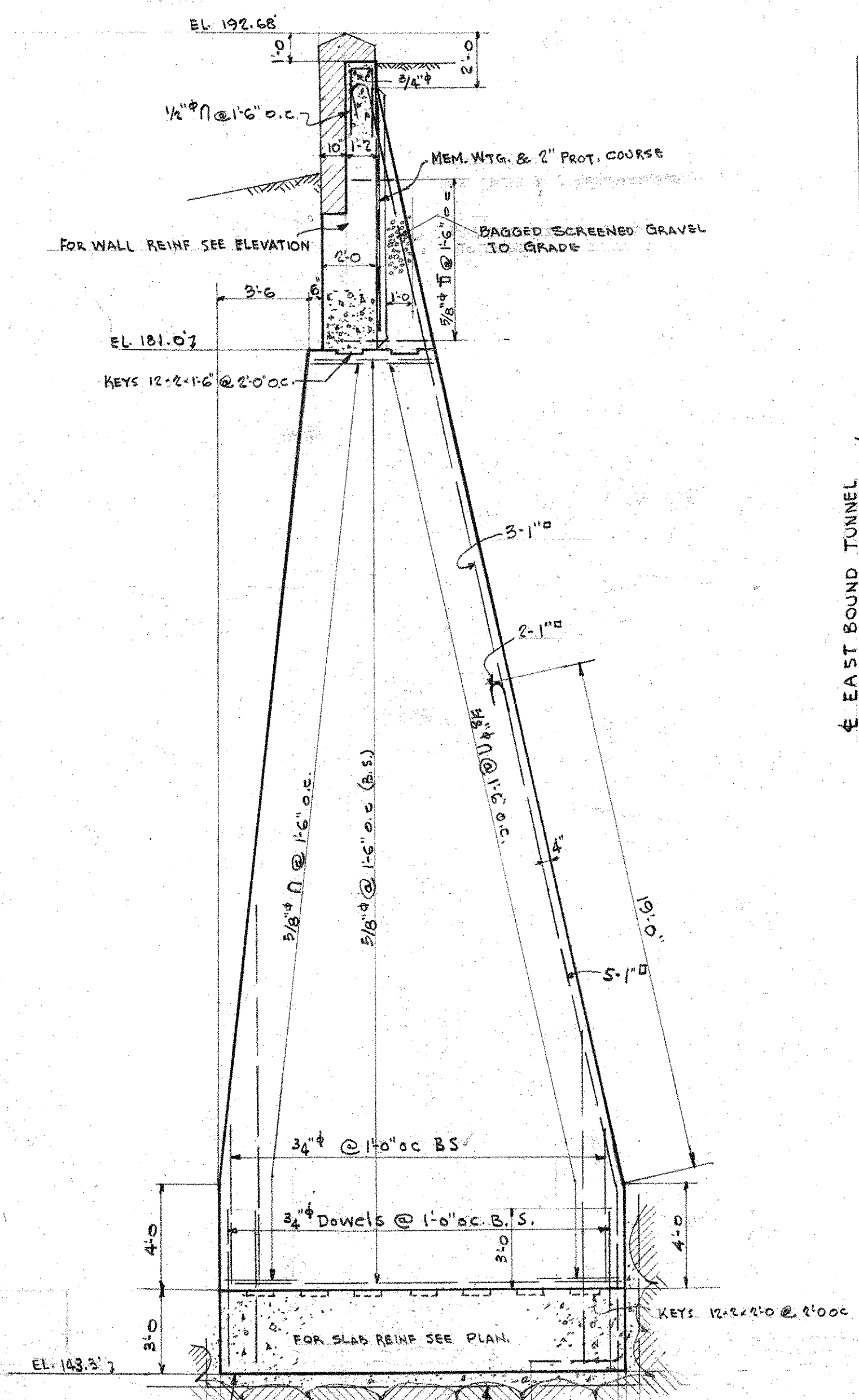
FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		35	73

PROJECT NO 185-90

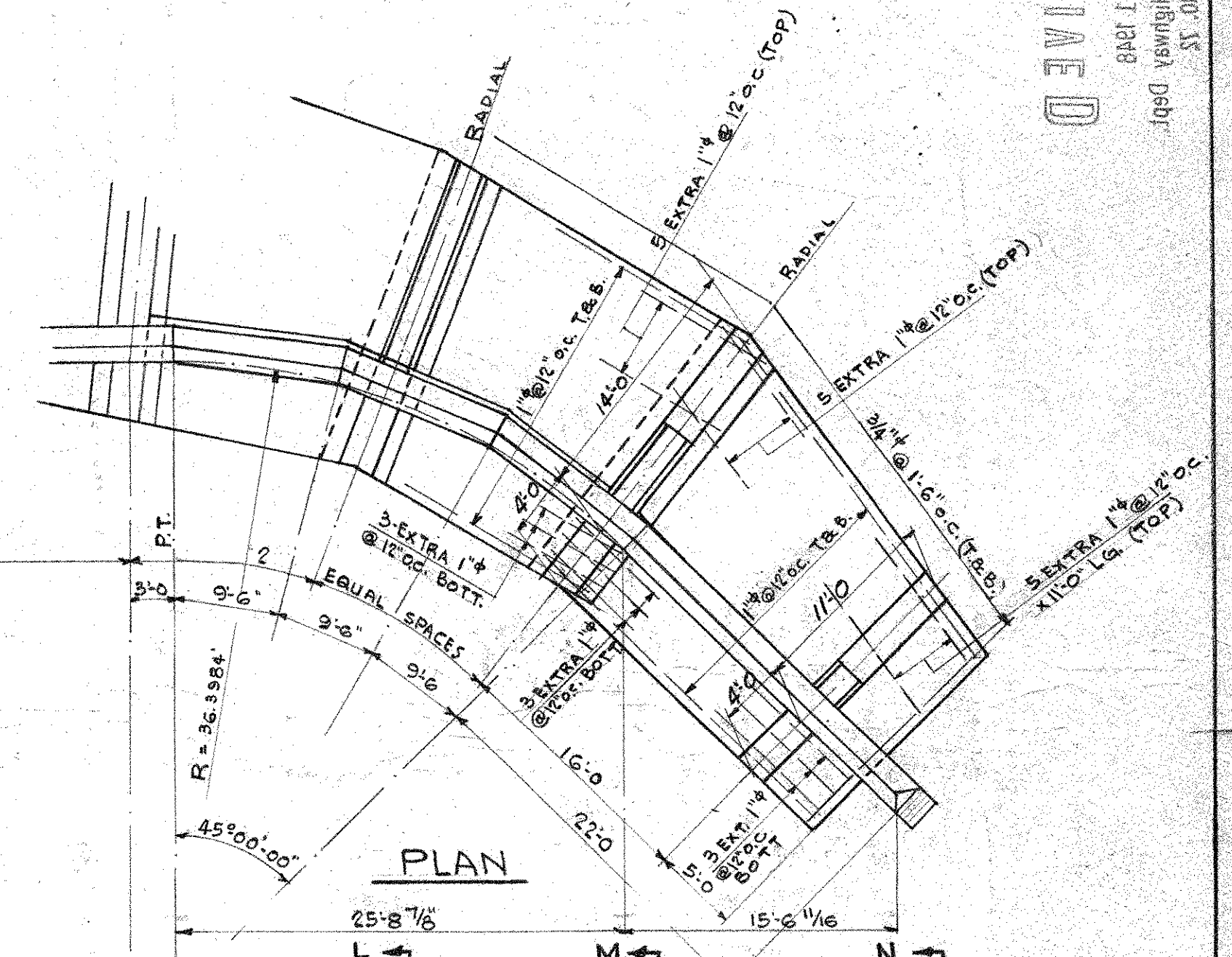
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 29th Highway Dept.
 NOV 11 1948



SECTION MM

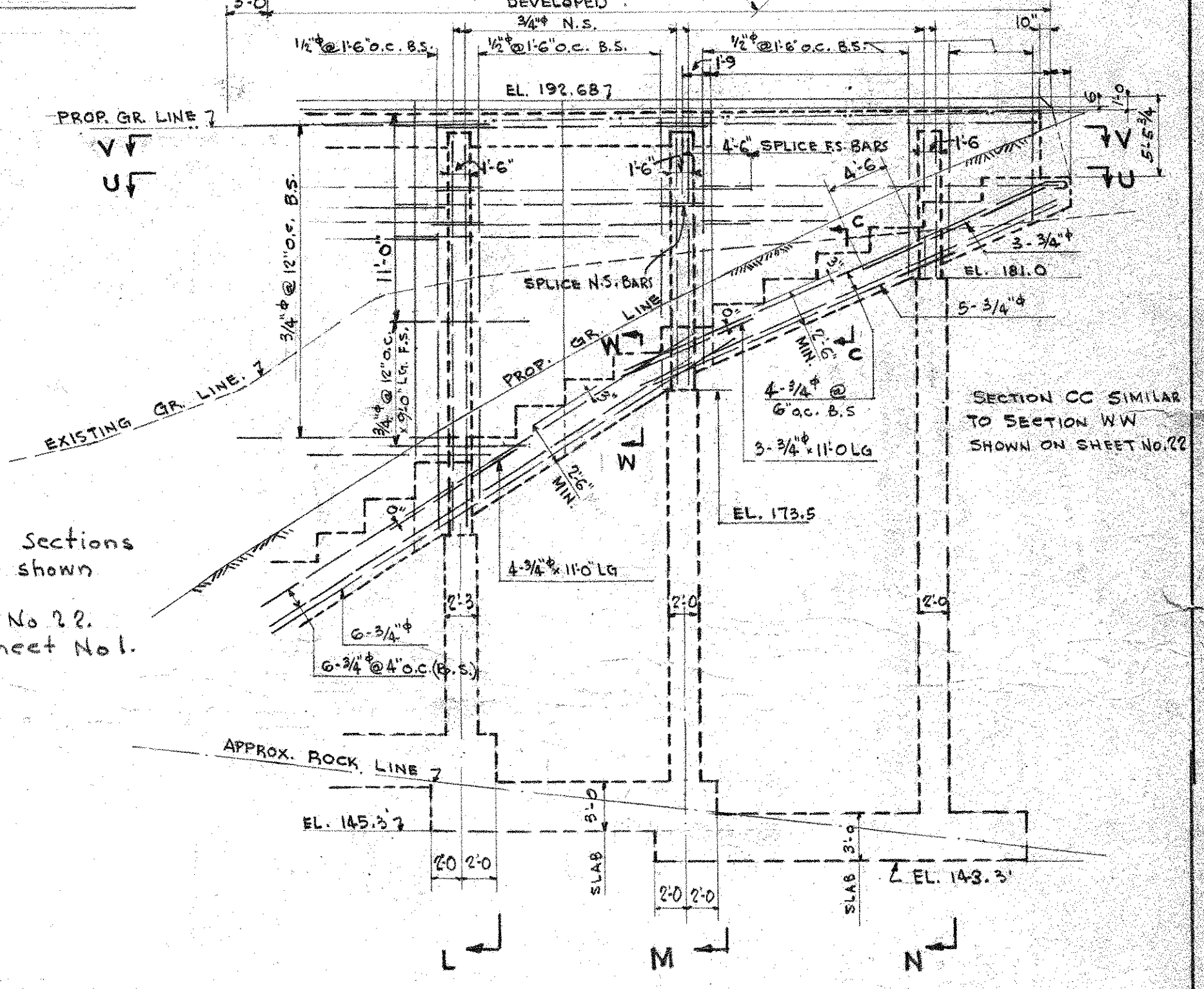


SECTION NN



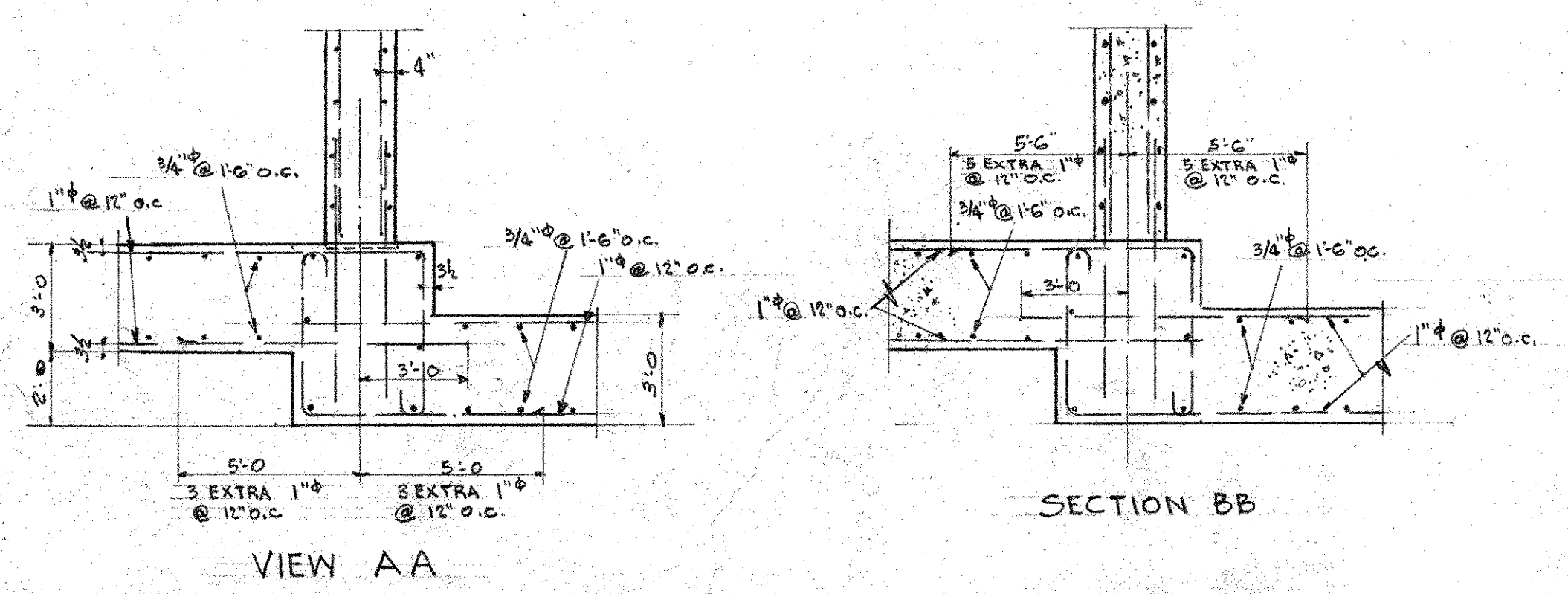
PLAN

See Sheet 20 for portion of West Portal not shown.



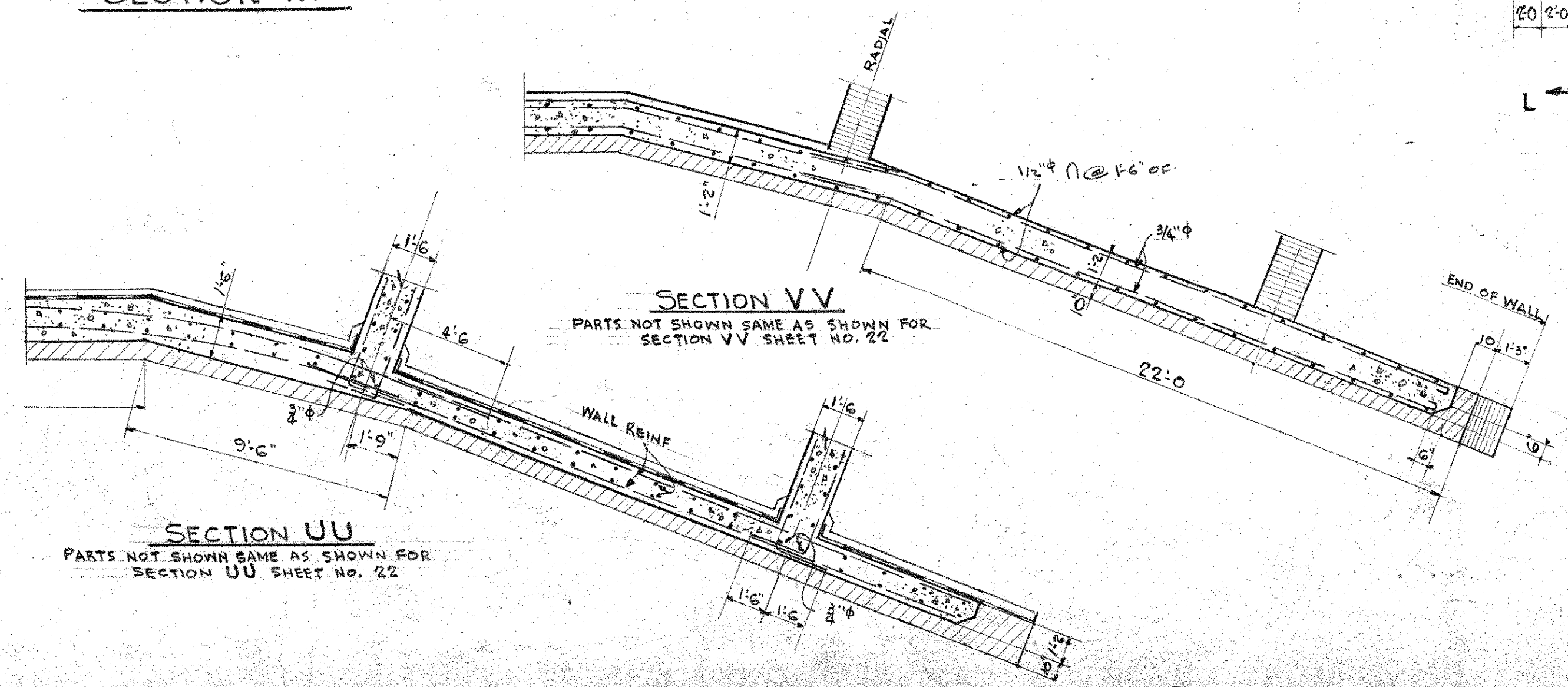
ELEVATION
SCALE 1/8"=1'-0"

- NOTES:
1. These revisions supersede Sections C-C, D-D, M-M, N-N, and Q-Q shown on Sheet No 22.
 2. For Section L-L see Sheet No 22.
 3. For General Notes see Sheet No 1.



VIEW AA

SECTION BB

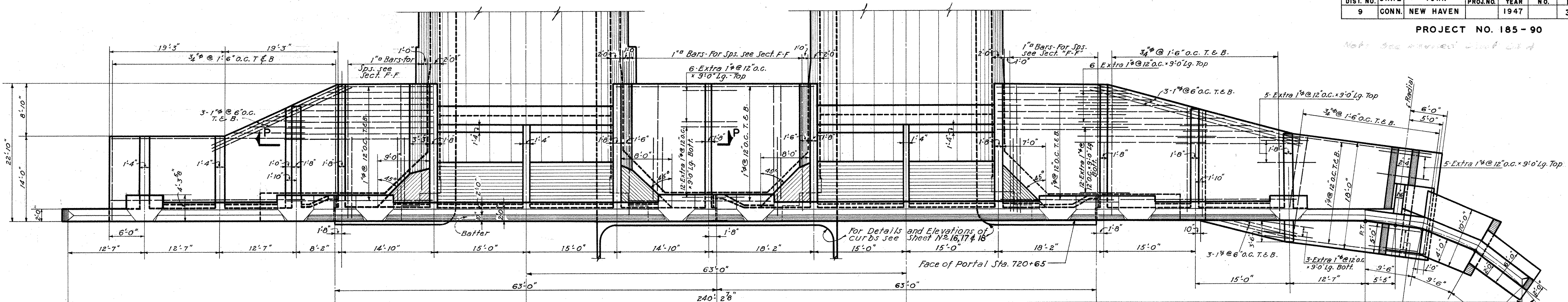


SECTION UU
PARTS NOT SHOWN SAME AS SHOWN FOR SECTION UU SHEET NO. 22

CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL WEST PORTAL REVISIONS AT SOUTH END OF PORTAL	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE 1/8"=1'-0" UNLESS NOTED.	PROJECT NO.
MADE BY - G.V.	TUNNEL SHEET NO.
CHECKED BY - ABJ	22A
APPROVED _____	DATE _____

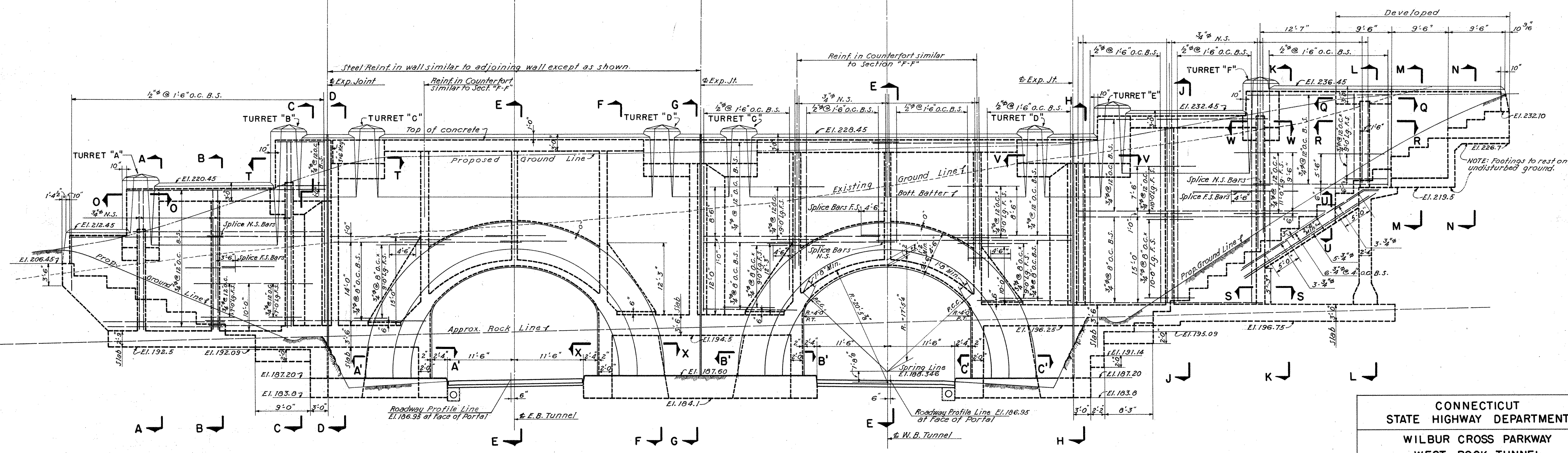
FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		37	73

PROJECT NO. 185-90



PLAN

NOTE: Dimensions given along face of wall.



ELEVATION

- NOTES
1. For General Notes see Sheet No. 1
 2. For Sections A-A, B-B, C-C, L-L, M-M, N-N, O-O, P-P, Q-Q, R-R, T-T, & U-U see Sheet No. 26
 3. For Sections E-E, F-F, G-G, & X-X see Sheet No. 25
 4. For Sections D-D, J-J, K-K, S-S, V-V & W-W see Sheet No. 27
 5. Section H-H similar to Section G-G Sheet No. 25
 6. Sections A'-A', B'-B' & C'-C' similar to Section X-X shown on Sheet No. 25
 7. For Portal Drainage see Sheet No. 27
 8. For Tunnel Drainage see Sheet No. 34
 9. For Details and location of Electrical Conduits see Sheets No. 39 & 40
 10. For Elevations and dimensions of stone steps see Sheet No. 5

CONNECTICUT
STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
EAST PORTAL

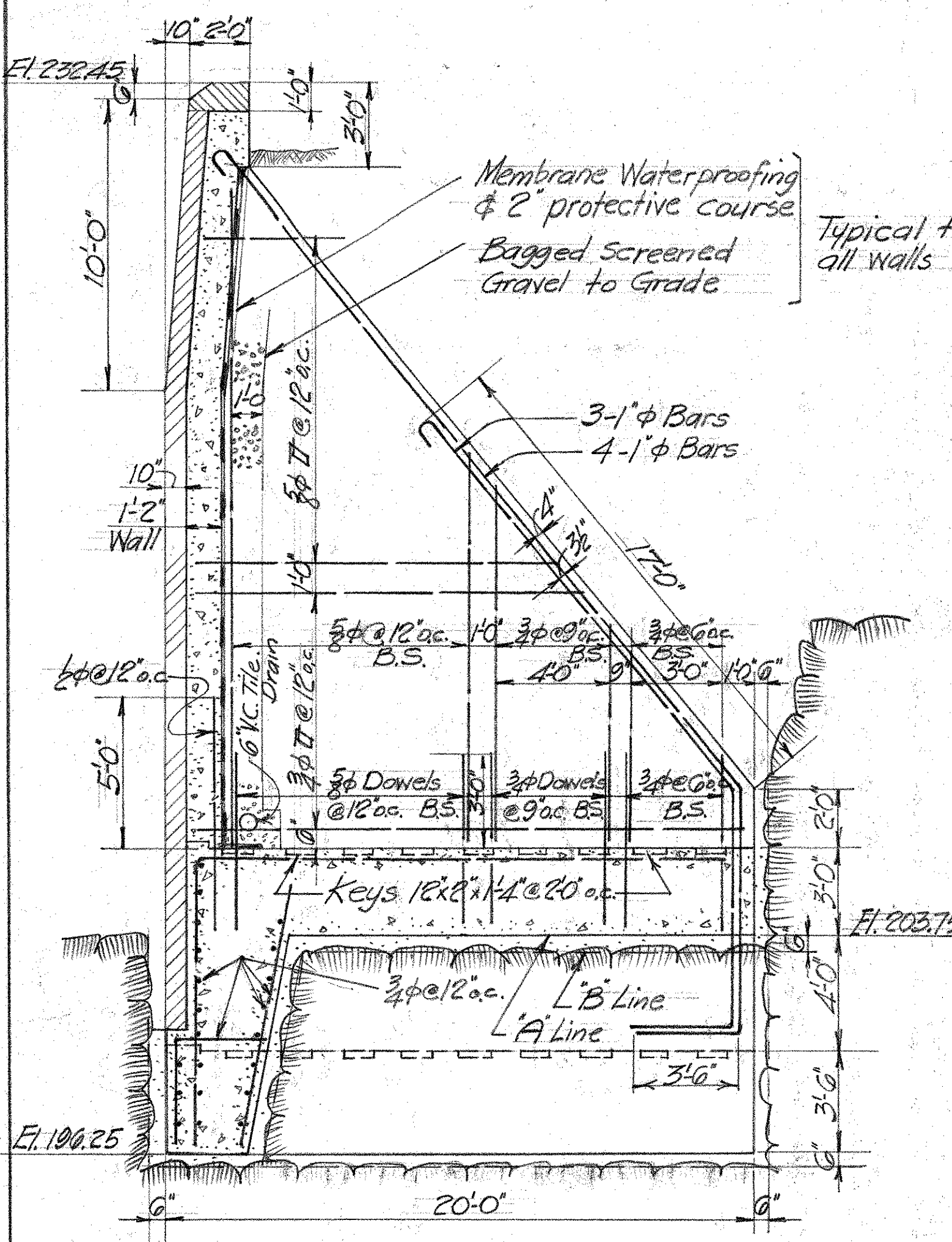
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD
ENGINEERS
NEW YORK, N.Y.

SCALE 1/8" = 1'-0"

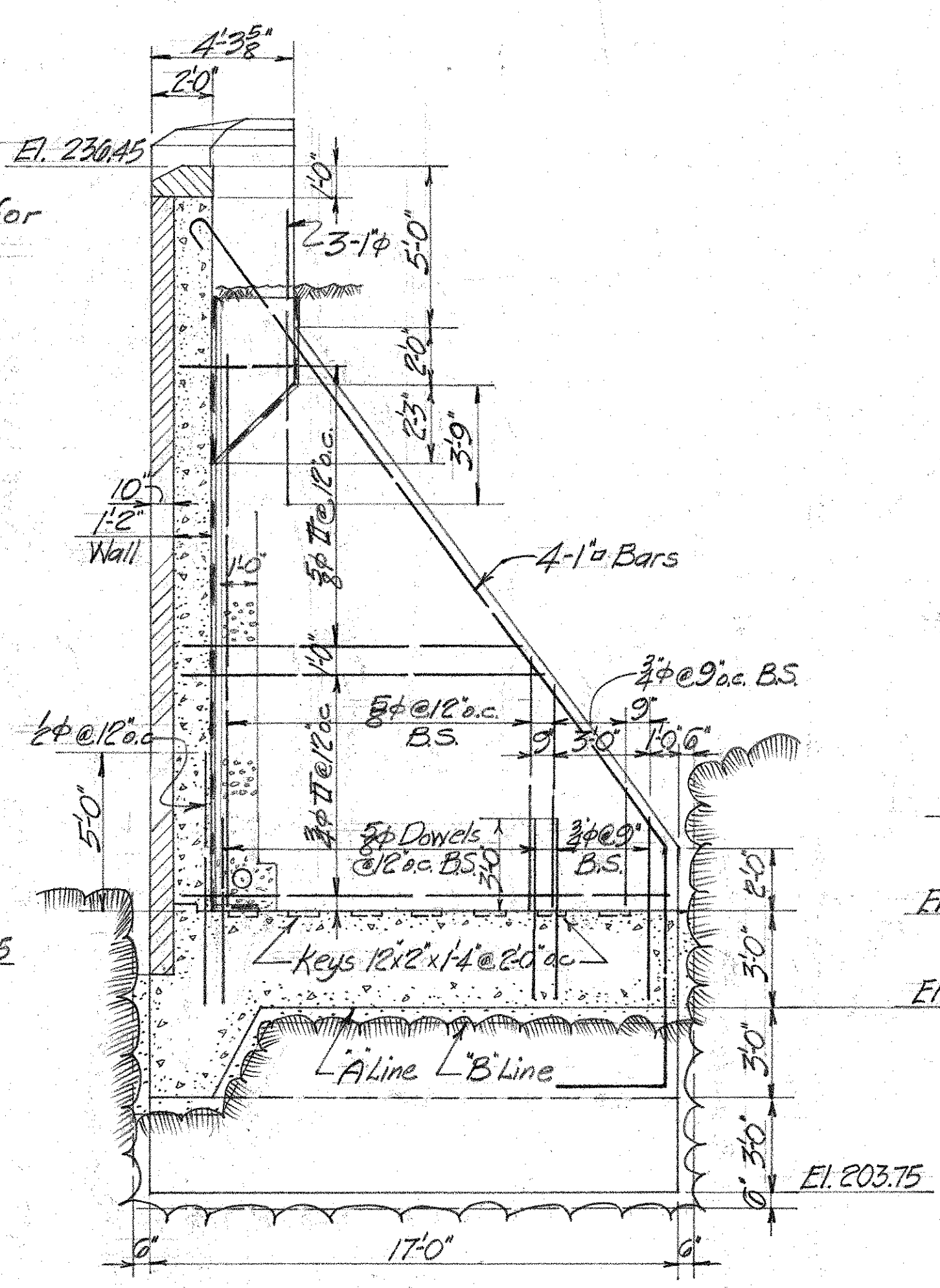
MADE BY G.V.
CHECKED BY A.B.J.
APPROVED _____

PROJECT NO. _____
TUNNEL SHEET NO. 24 OF 44
DATE _____

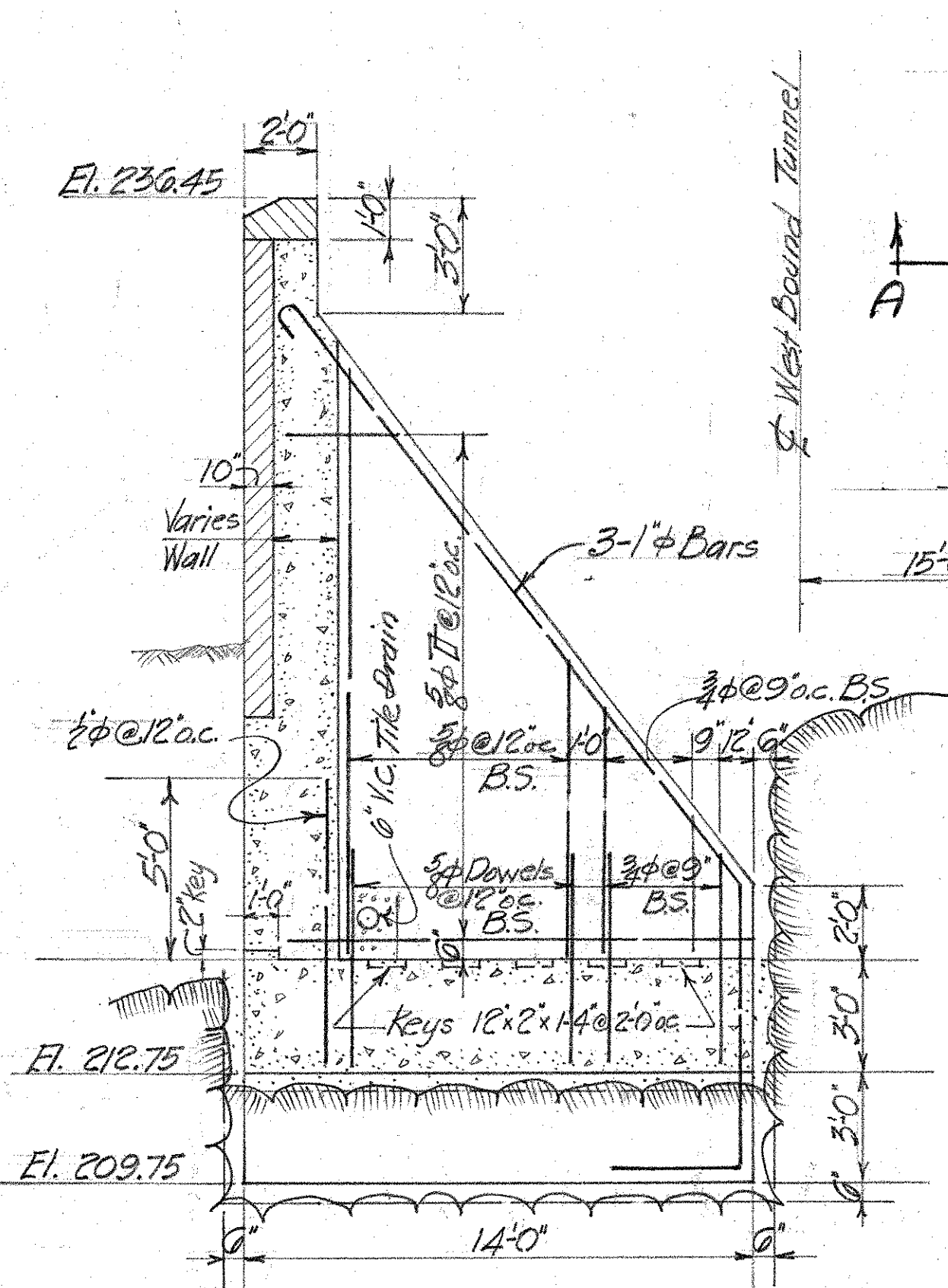
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.



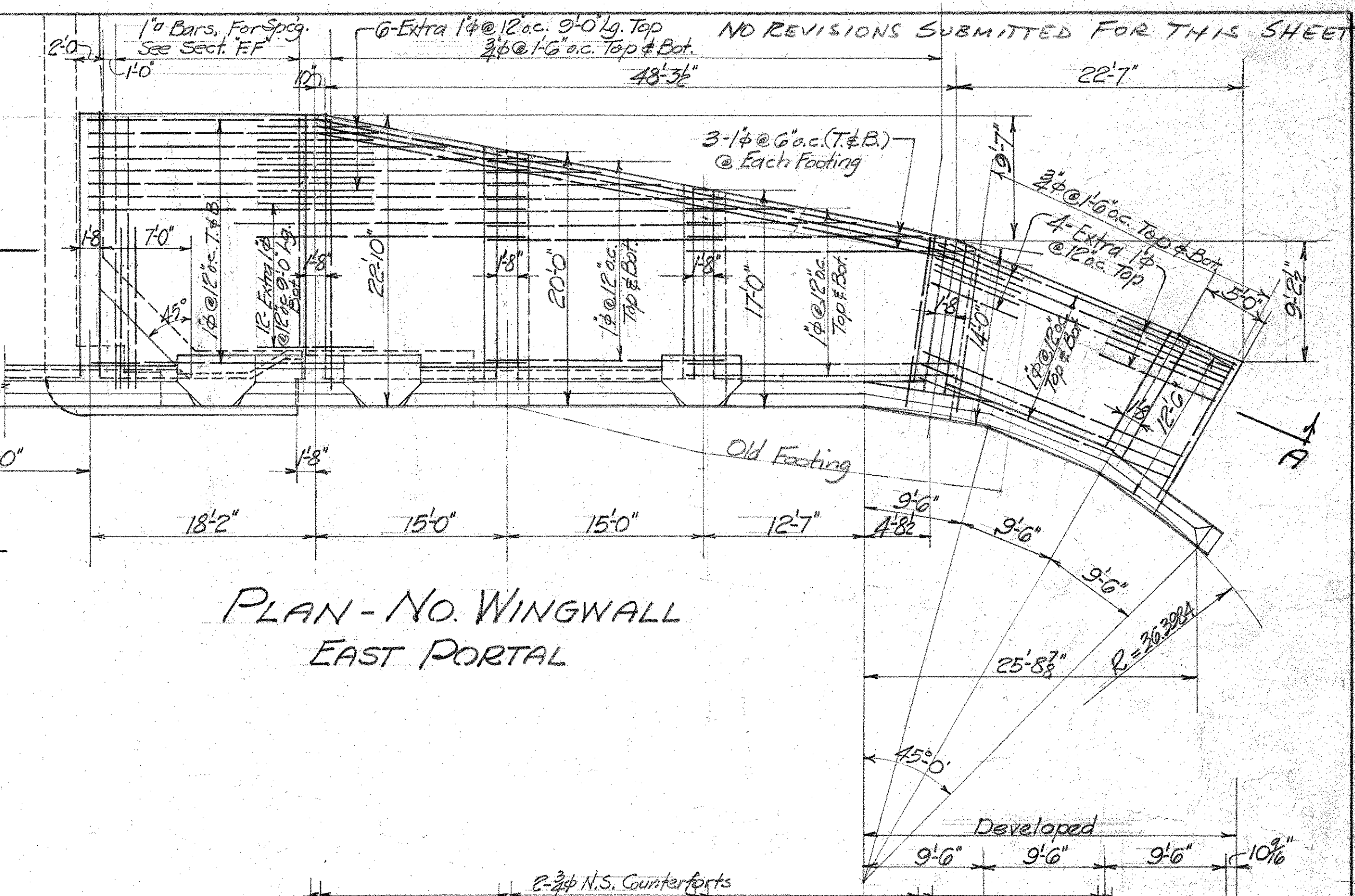
SECTION J-J



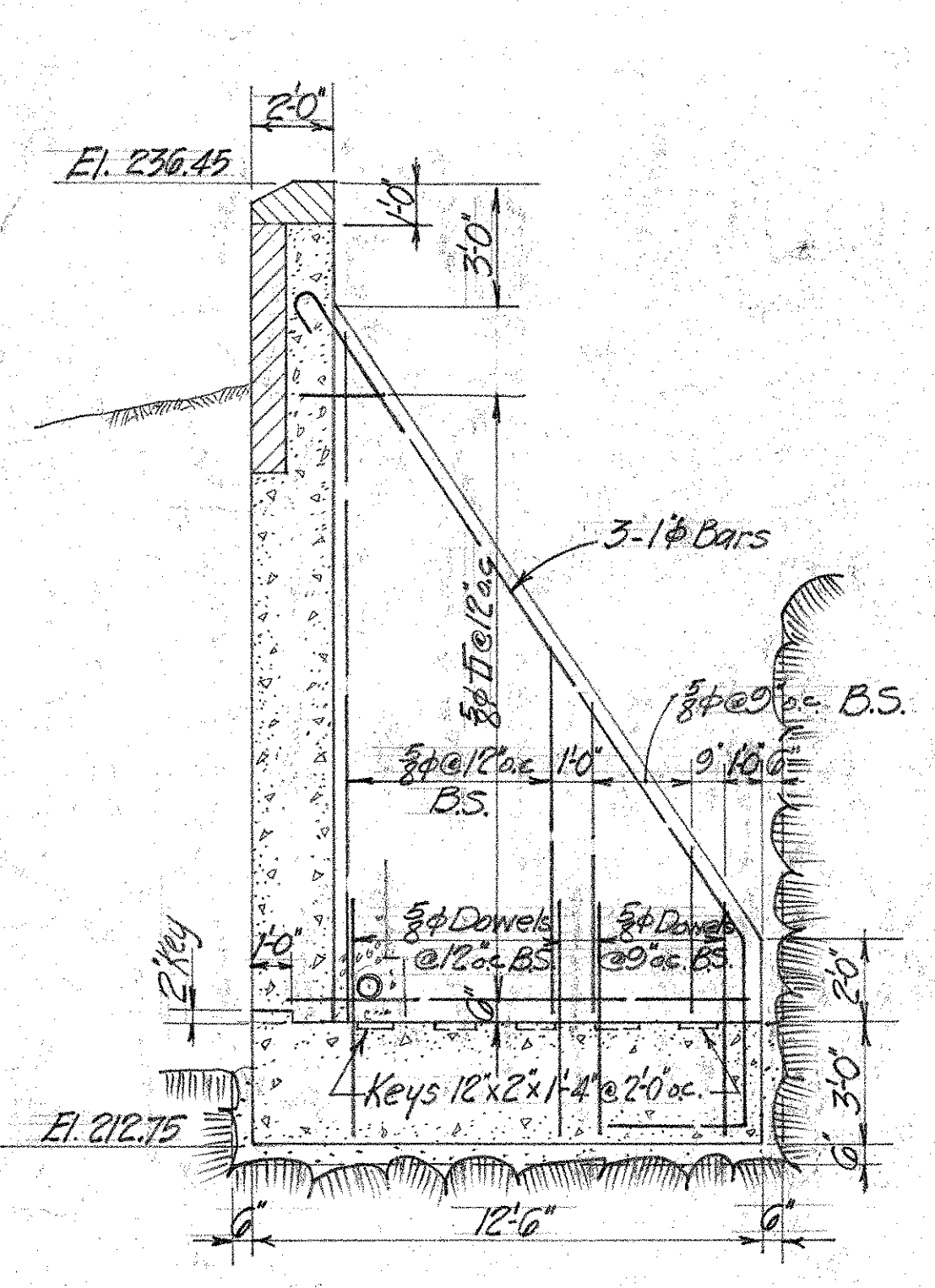
SECTION K-K



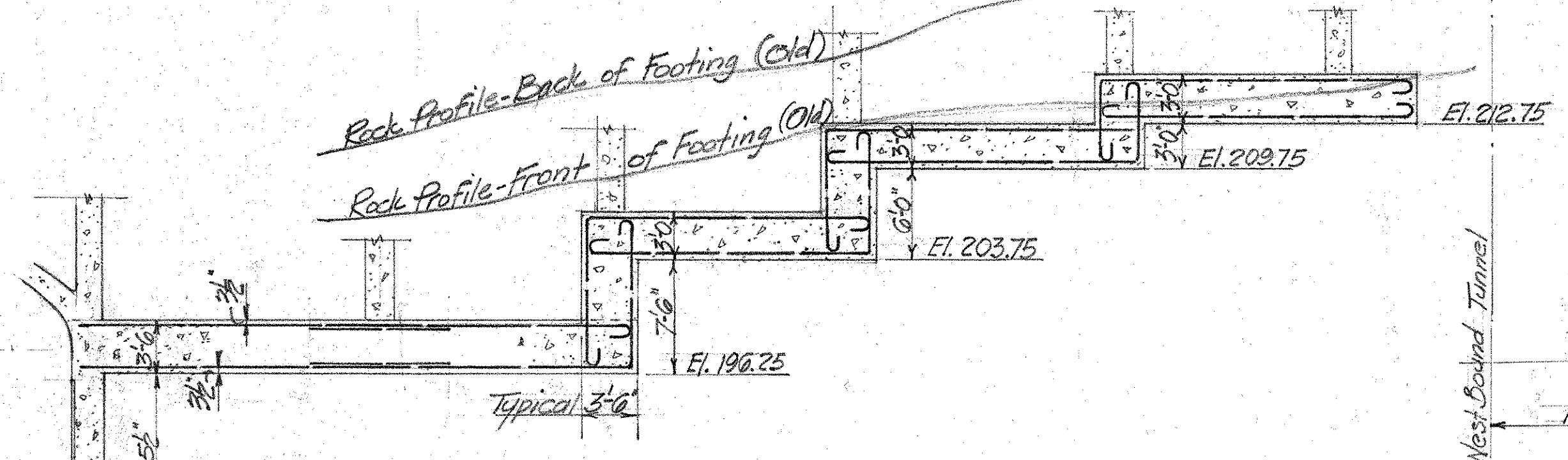
SECTION L-L



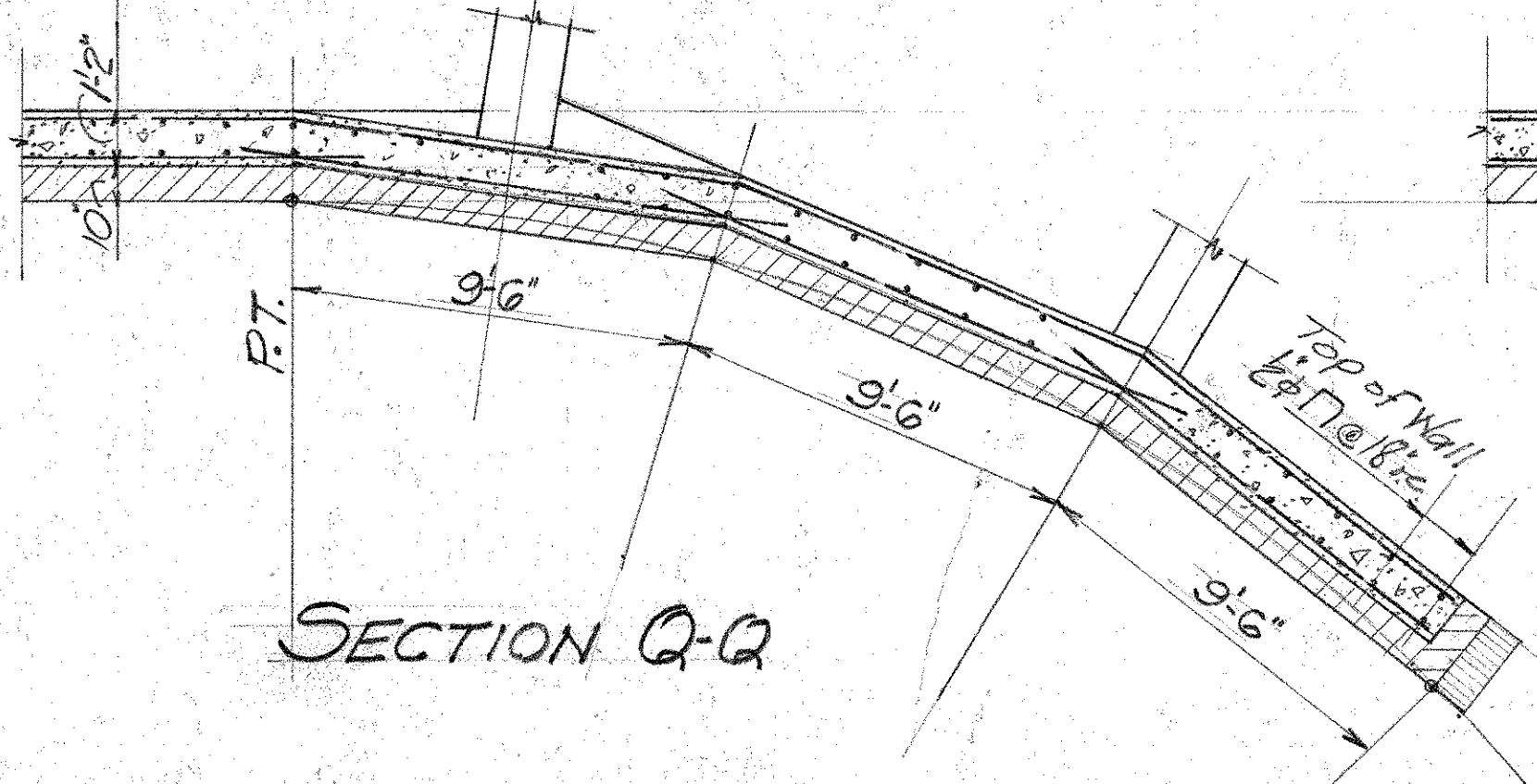
PLAN - NO. WINGWALL EAST PORTAL



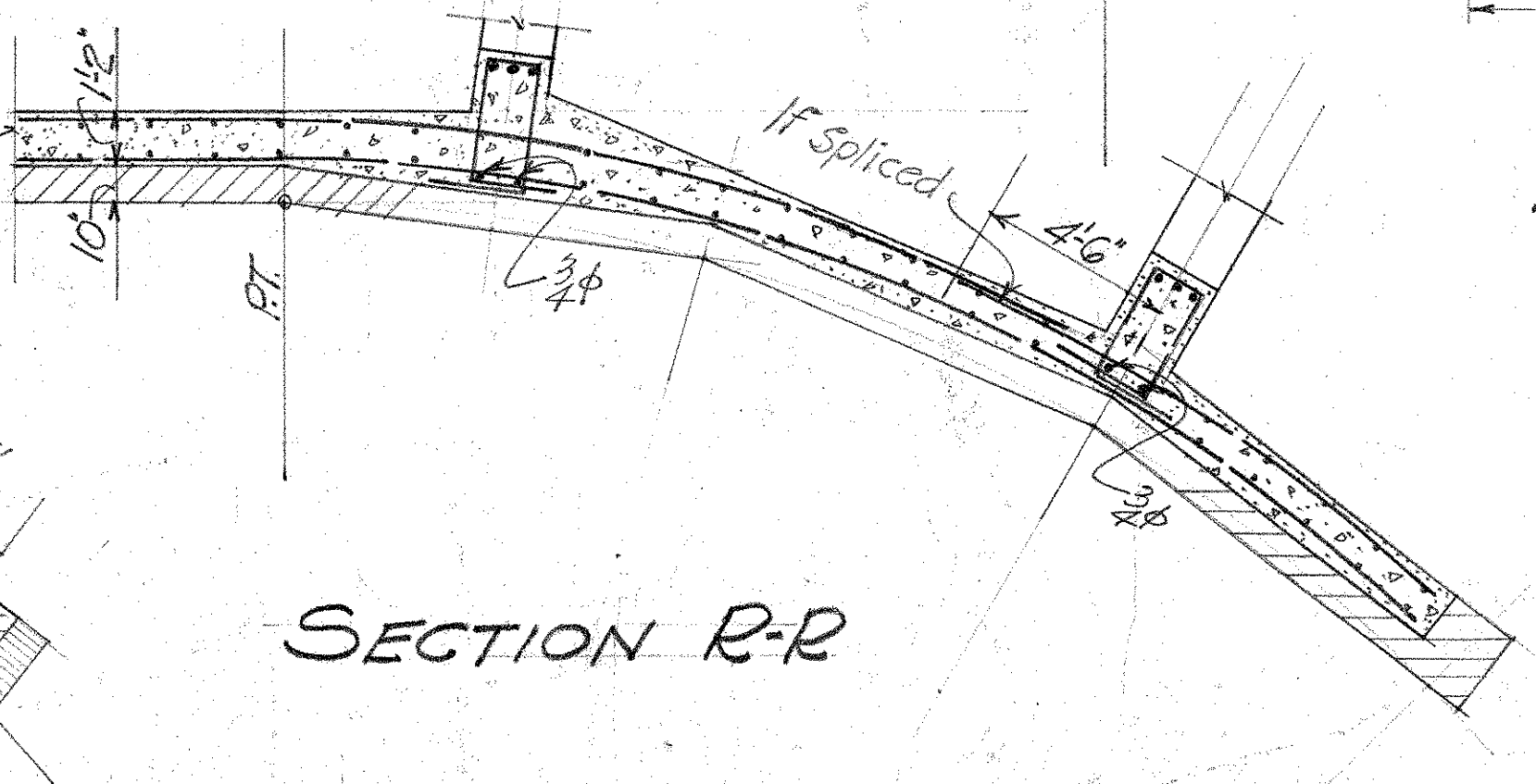
SECTION M-M



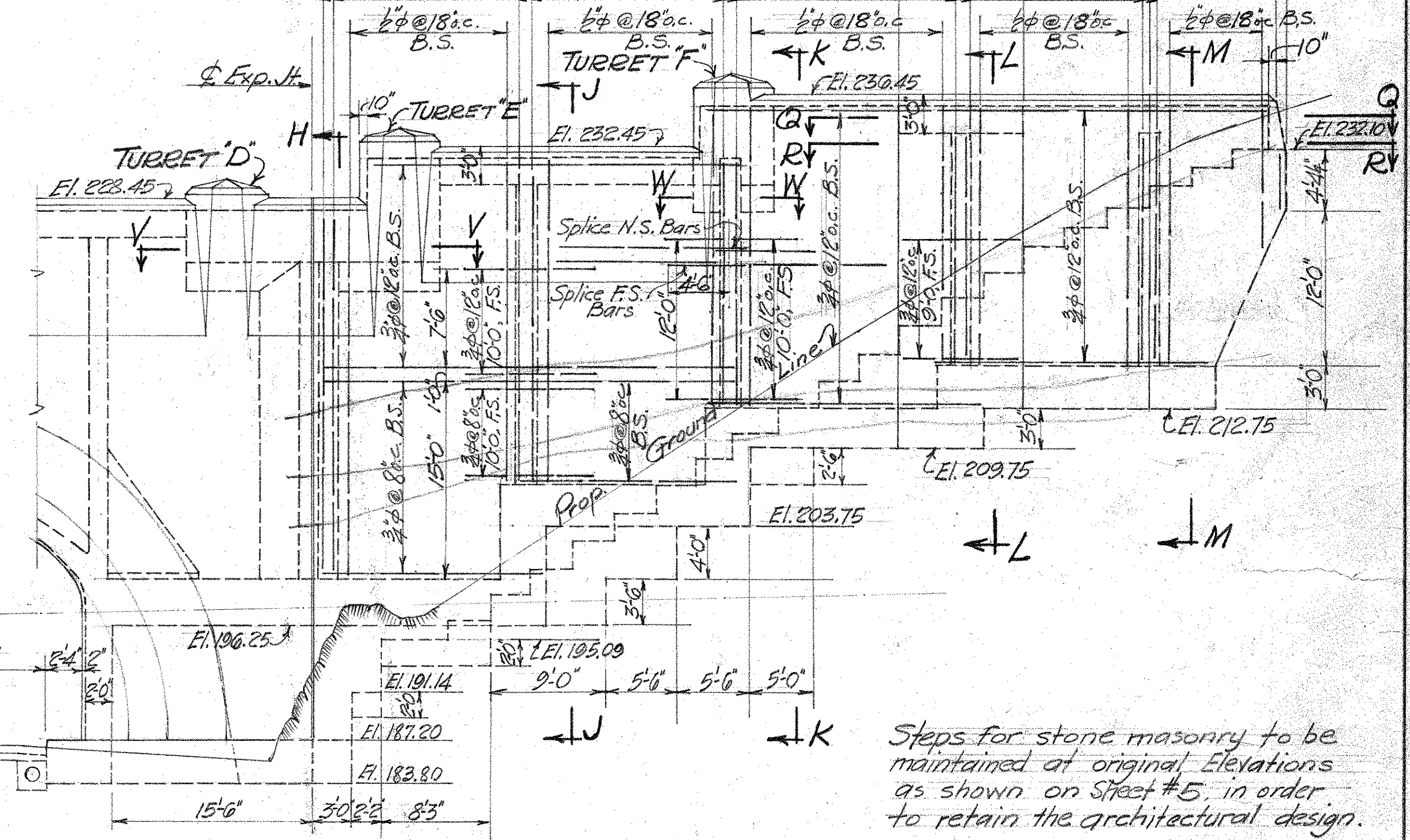
CROSS SECT. A-A



SECTION Q-Q



SECTION R-R



ELEV. - NO. WINGWALL

NOTES

These revisions supersede Sections J-J, K-K, L-L, M-M, Q-Q & R-R shown on Sh.#24. For Sections H-H, V-V & W-W see Sh.#25 & #27. For General Notes see Sh.#1. Terminate Waterproofing in right as shown in DETAIL C sheet #27. Install 6" V.C. Tile Drain similar to North Wingwall of West Portal as shown on Sh.#23.

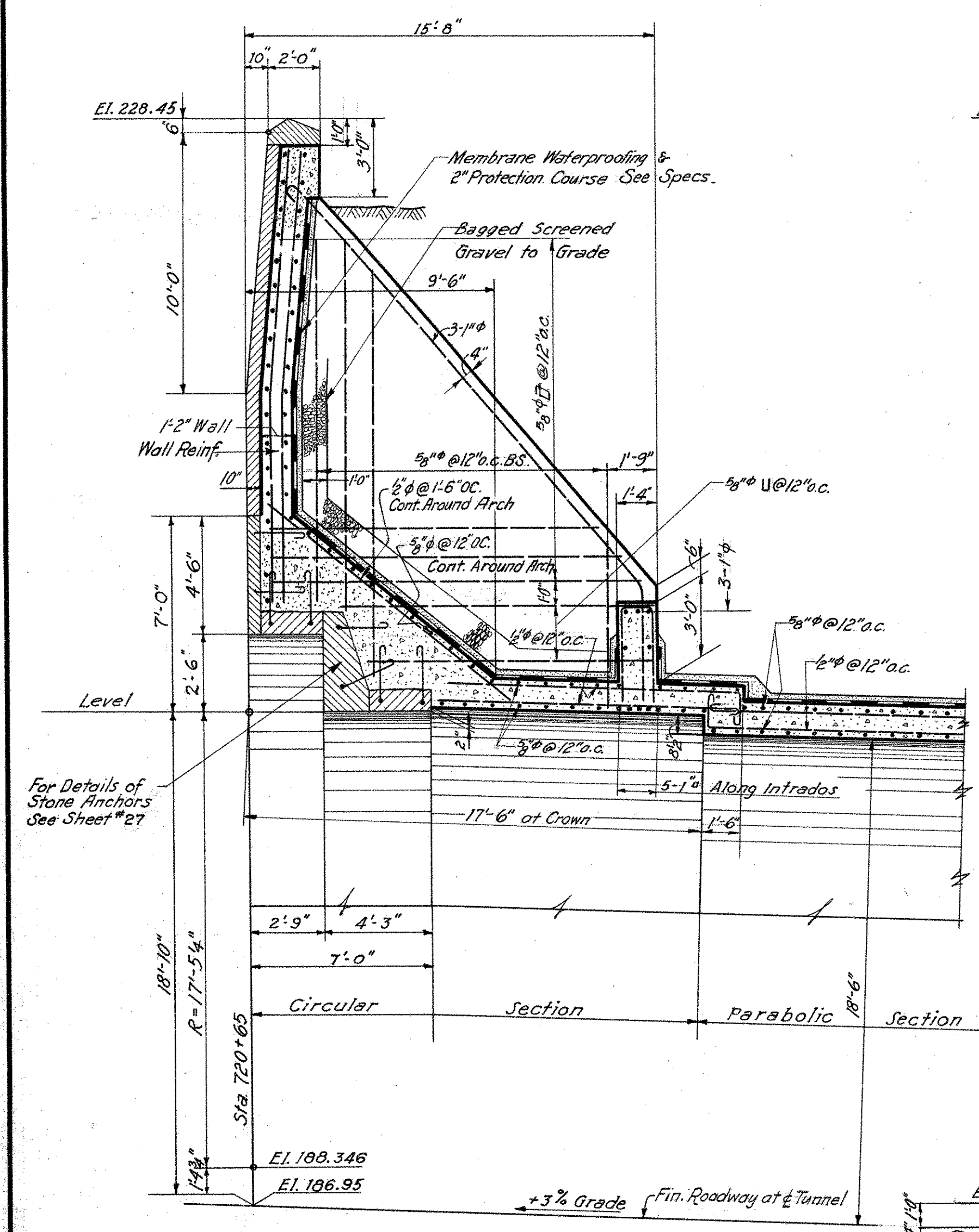
Steps for stone masonry to be maintained at original Elevations as shown on Sheet #5, in order to retain the architectural design.

CONNECTICUT STATE HIGHWAY DEPARTMENT
WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
EAST PORTAL
REVISED NORTH WINGWALL

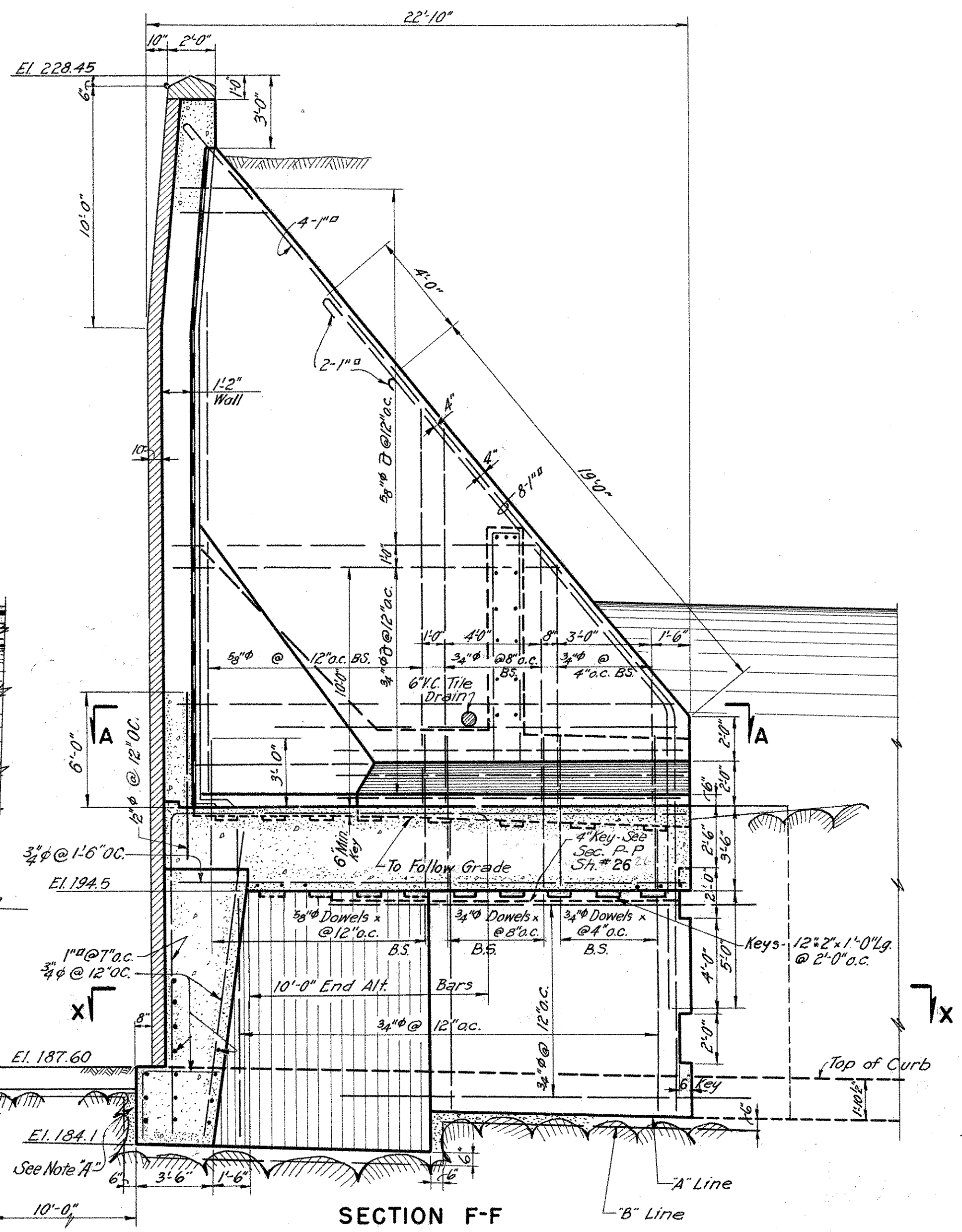
Scale 1/4" = 1'-0"
Made by J.H.A.M.
Checked by
Approved by

Project No. 185-90
Tunnel Sh. No. 24A

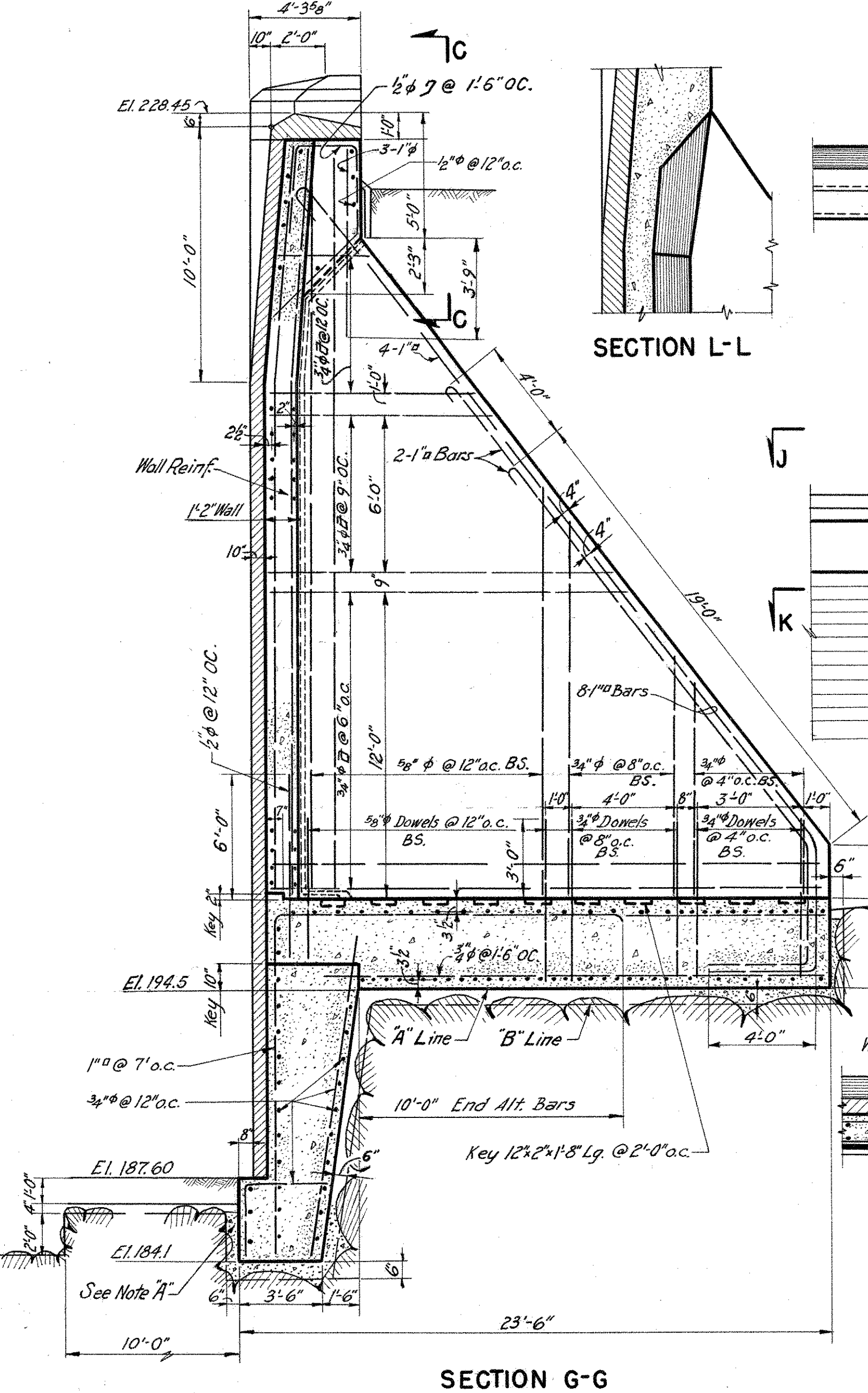
PROJECT NO. 185-90



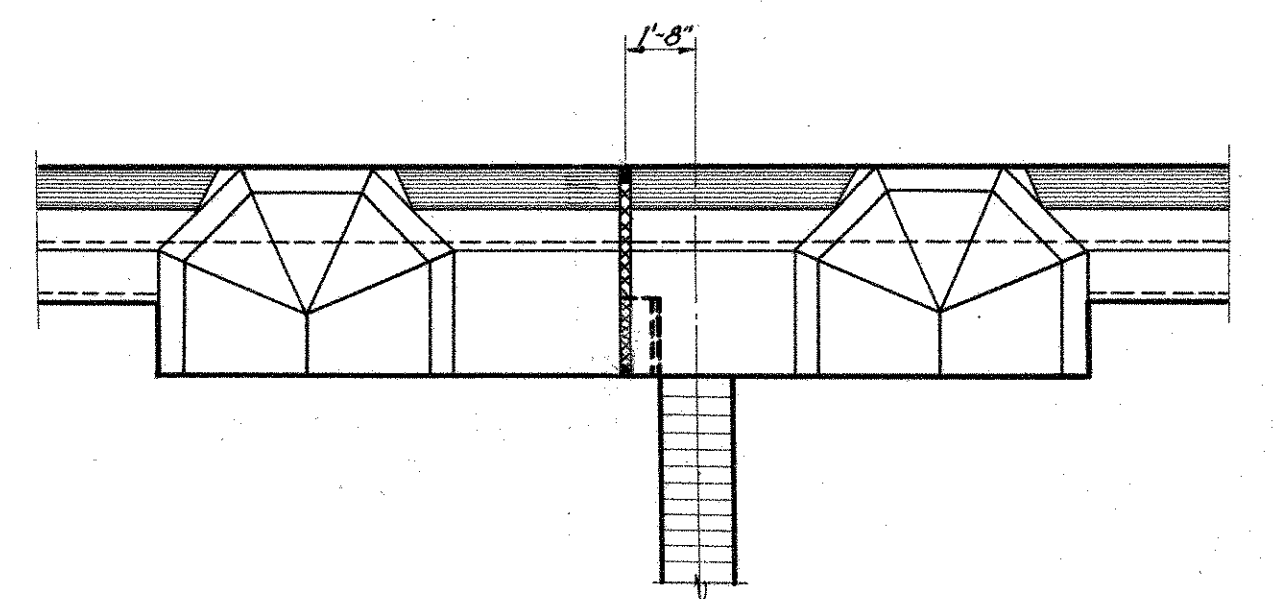
SECTION E-E



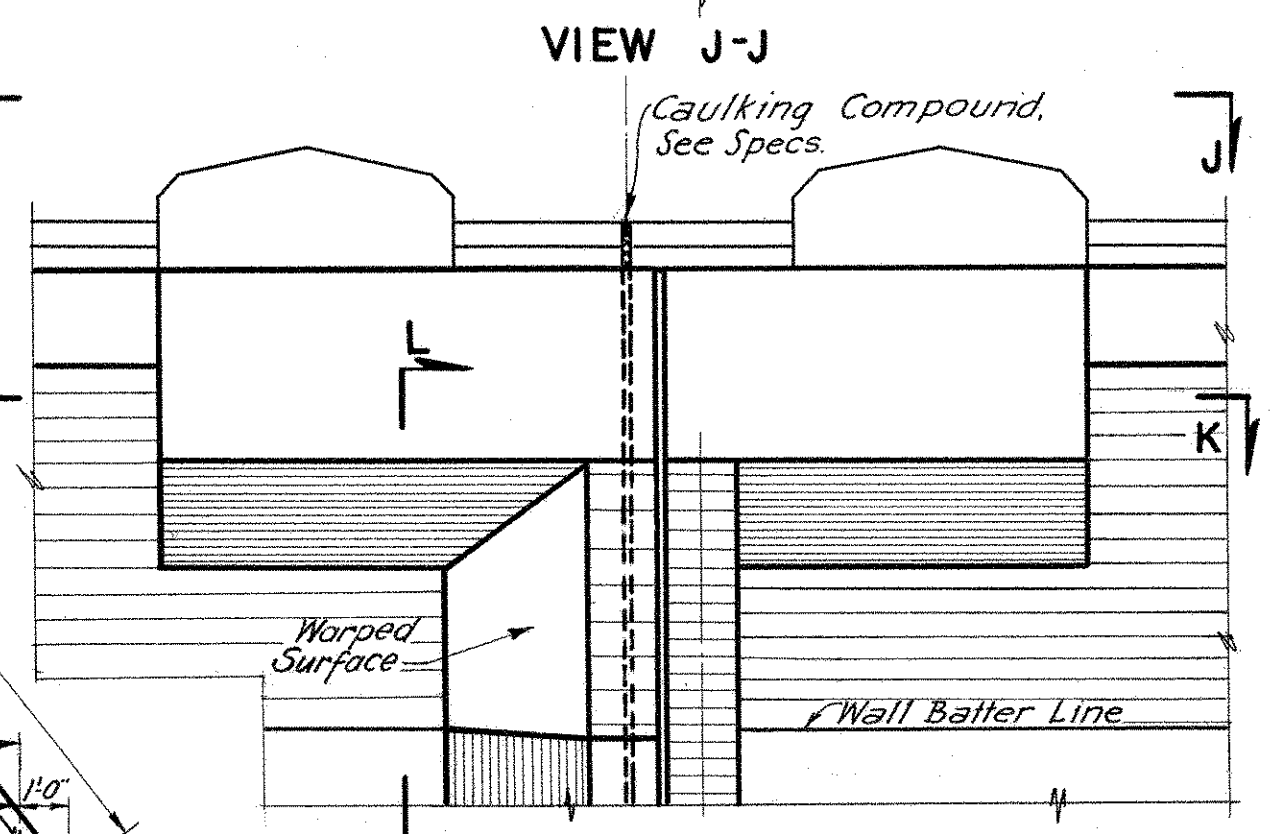
SECTION F-F



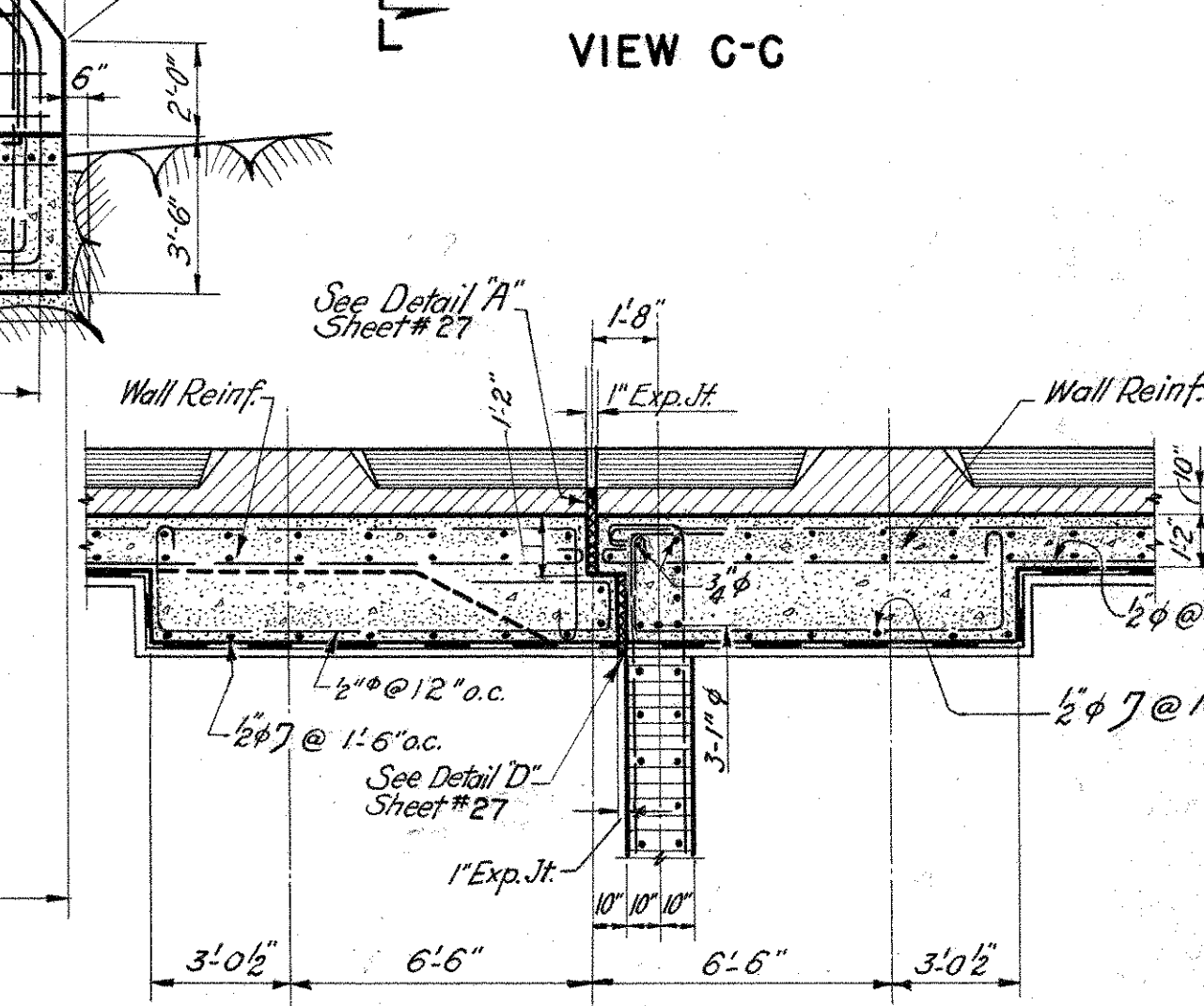
SECTION G-G



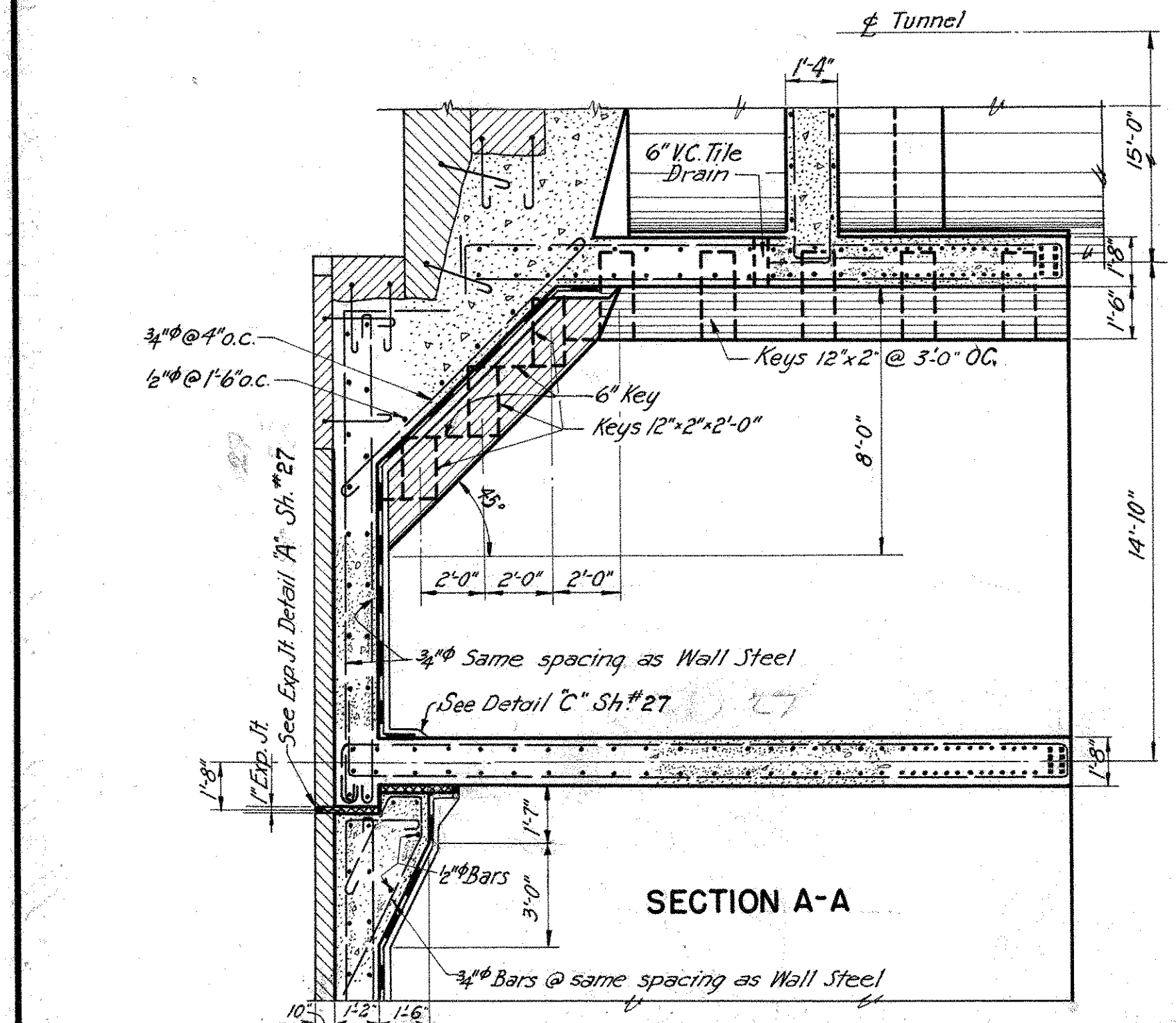
SECTION L-L



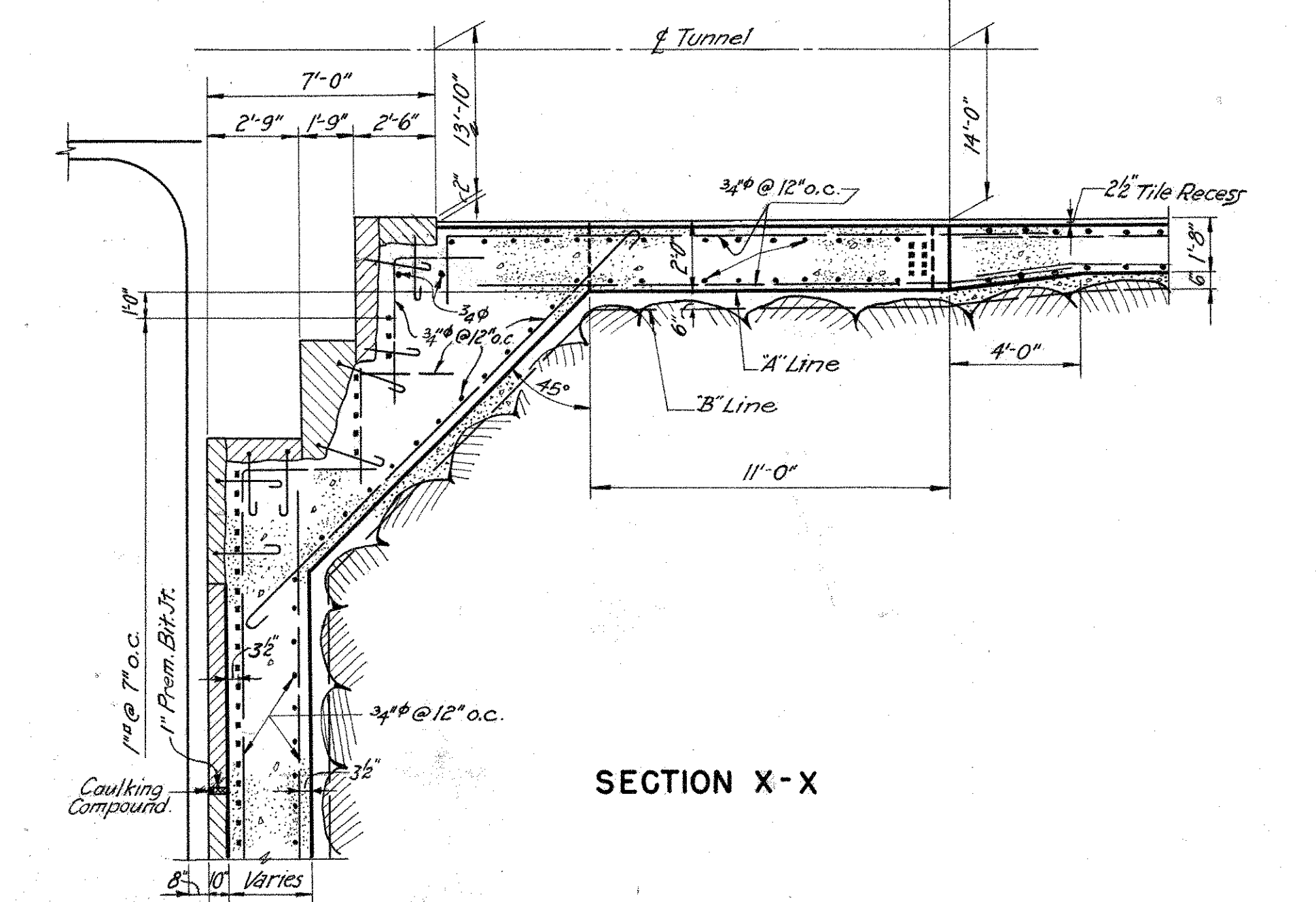
VIEW J-J



VIEW C-C



SECTION A-A



SECTION X-X

NOTE "A":

Square off rock in front of Portals and pour concrete to rock face.

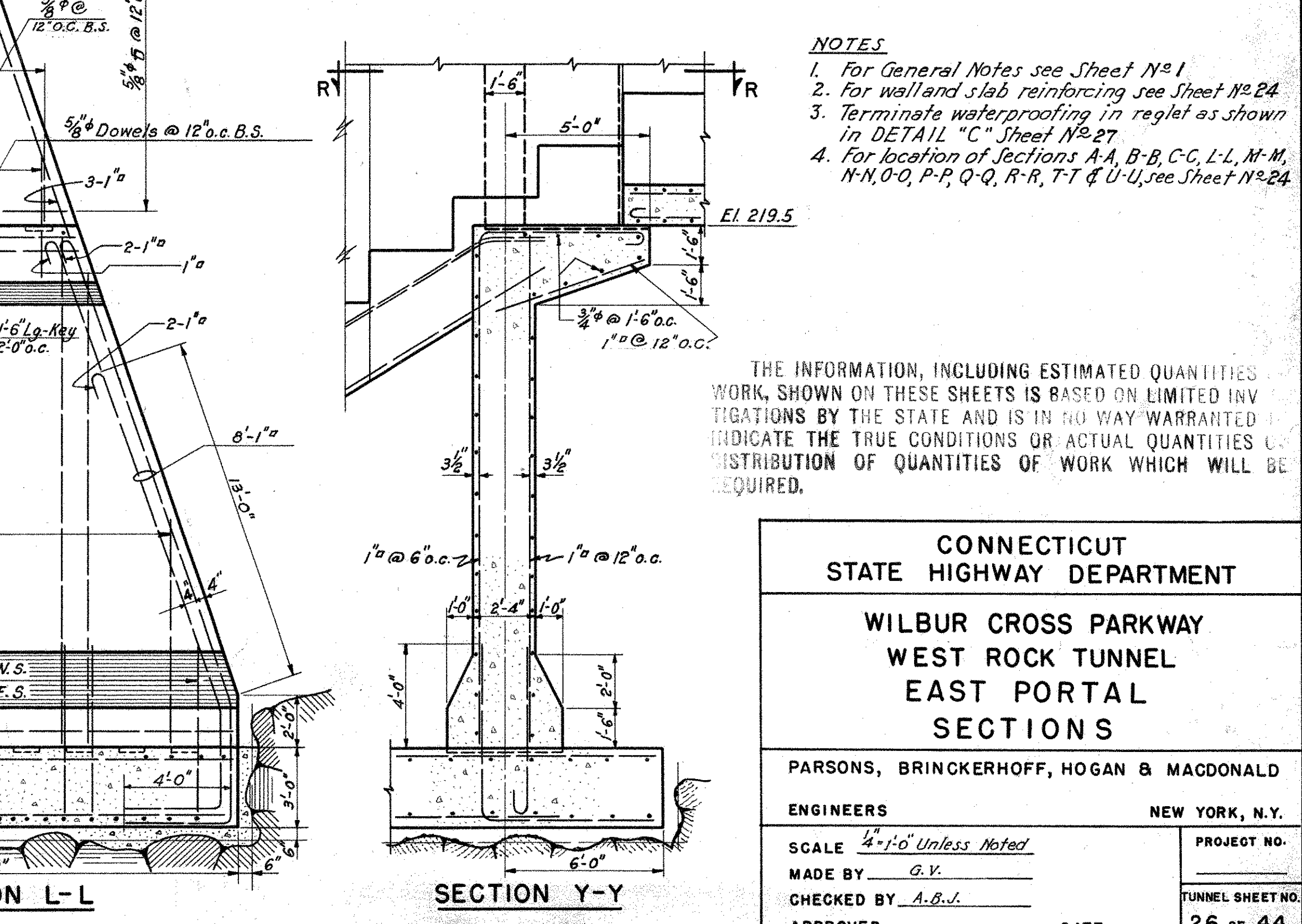
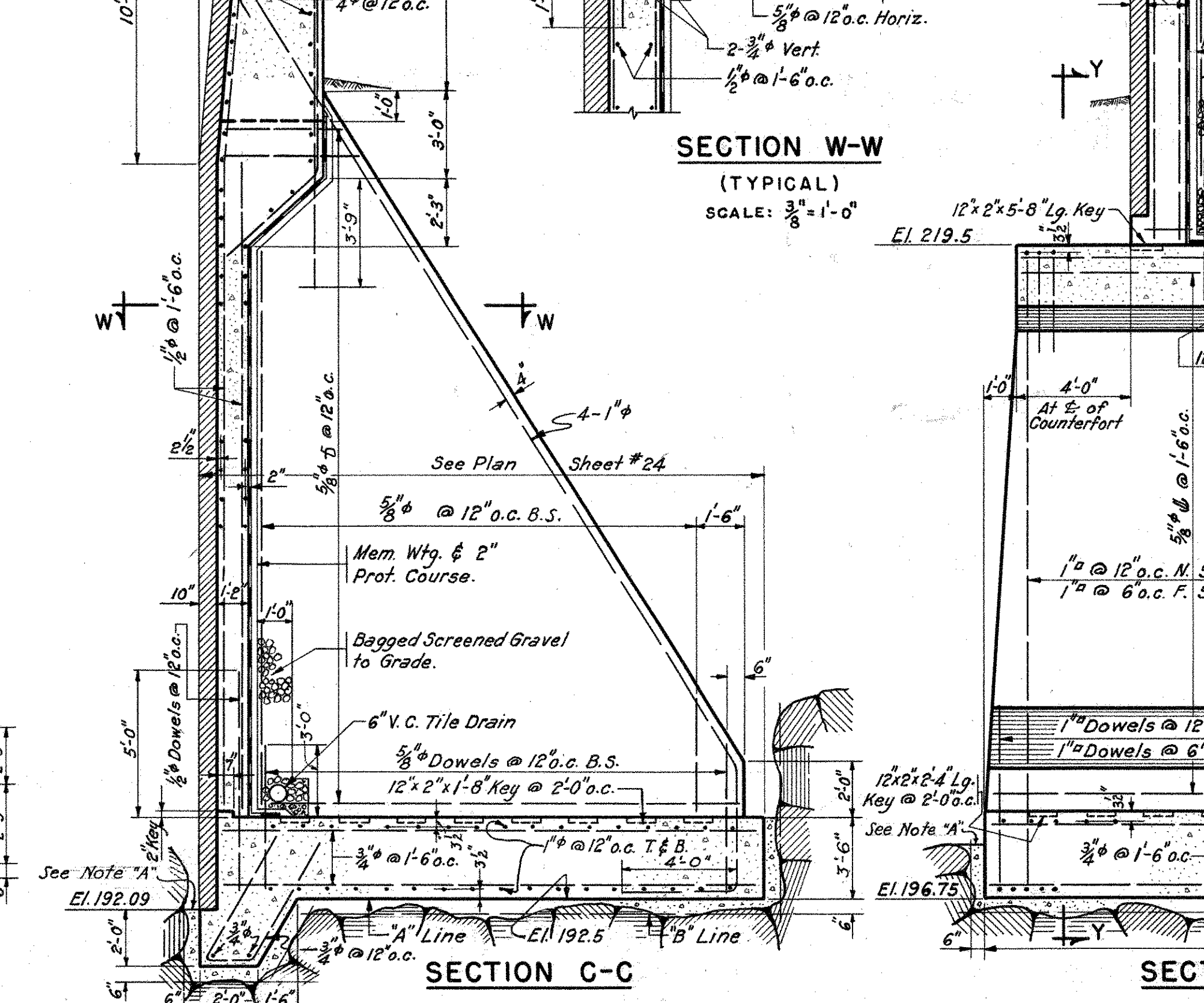
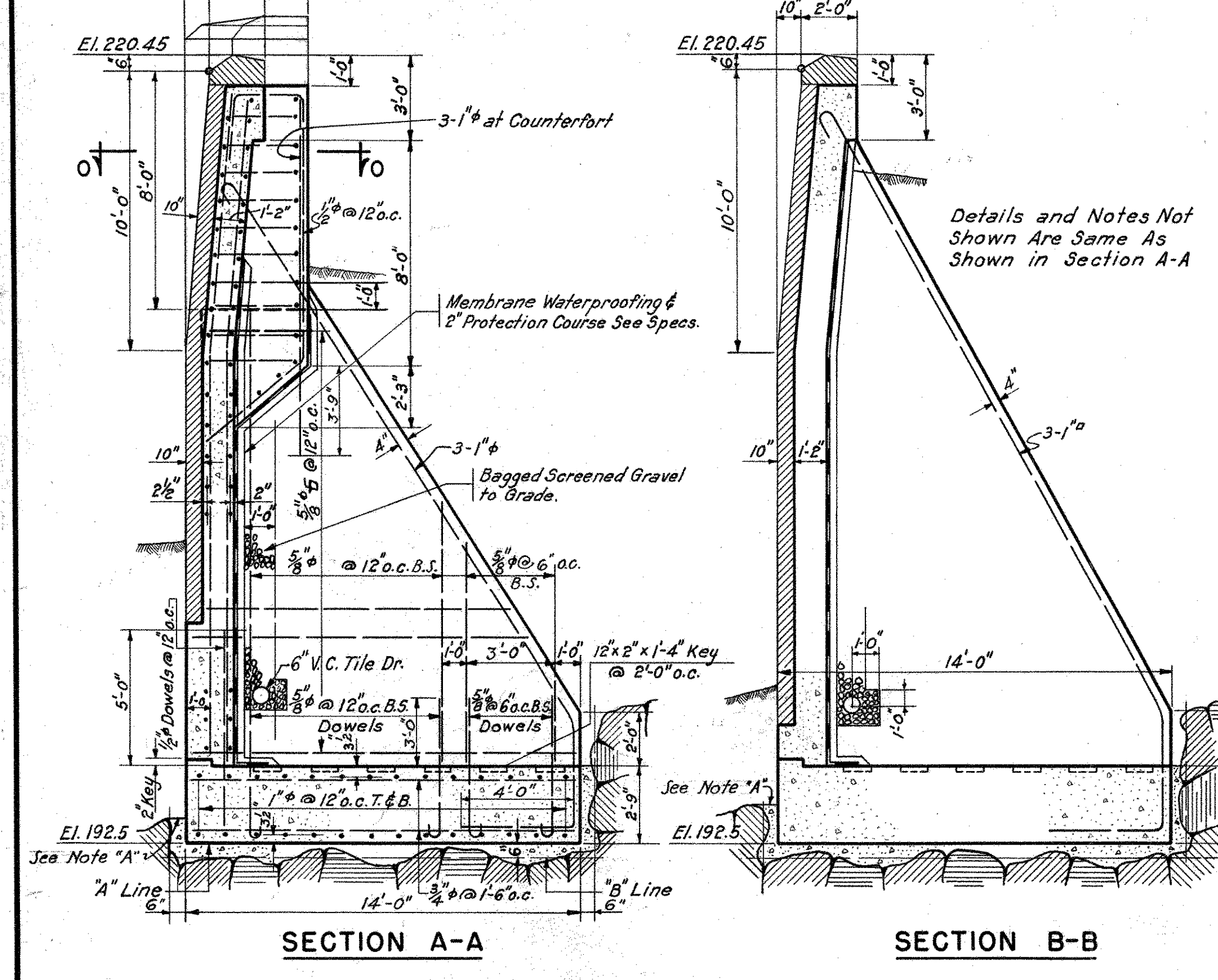
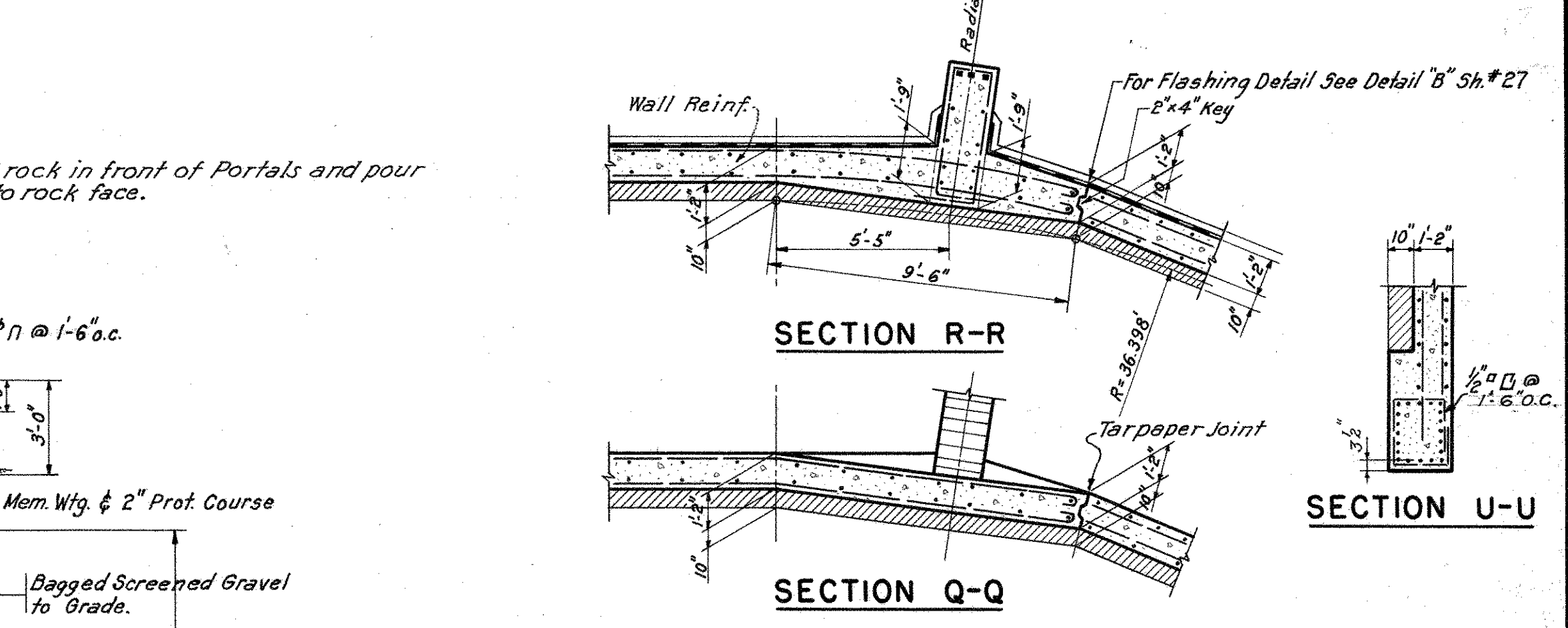
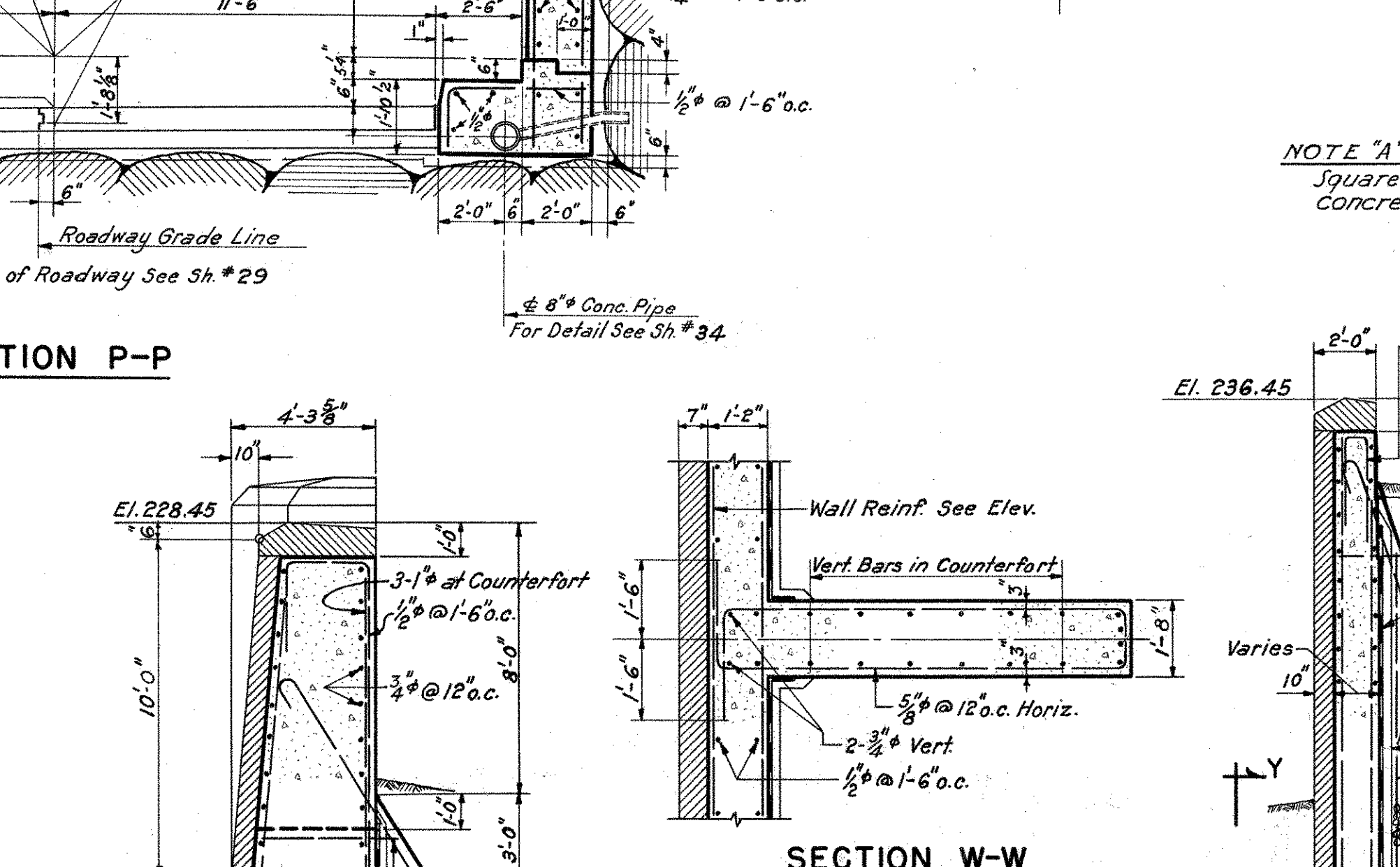
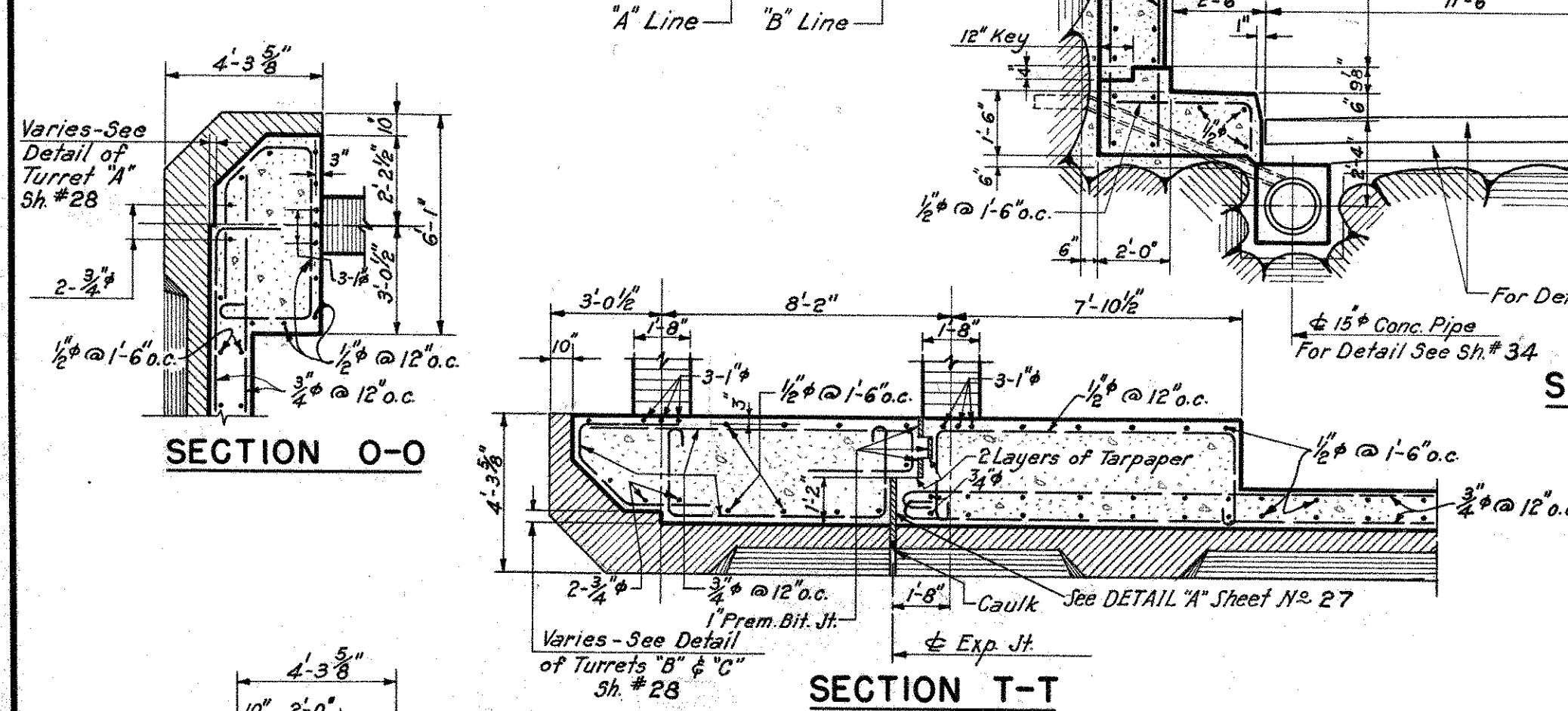
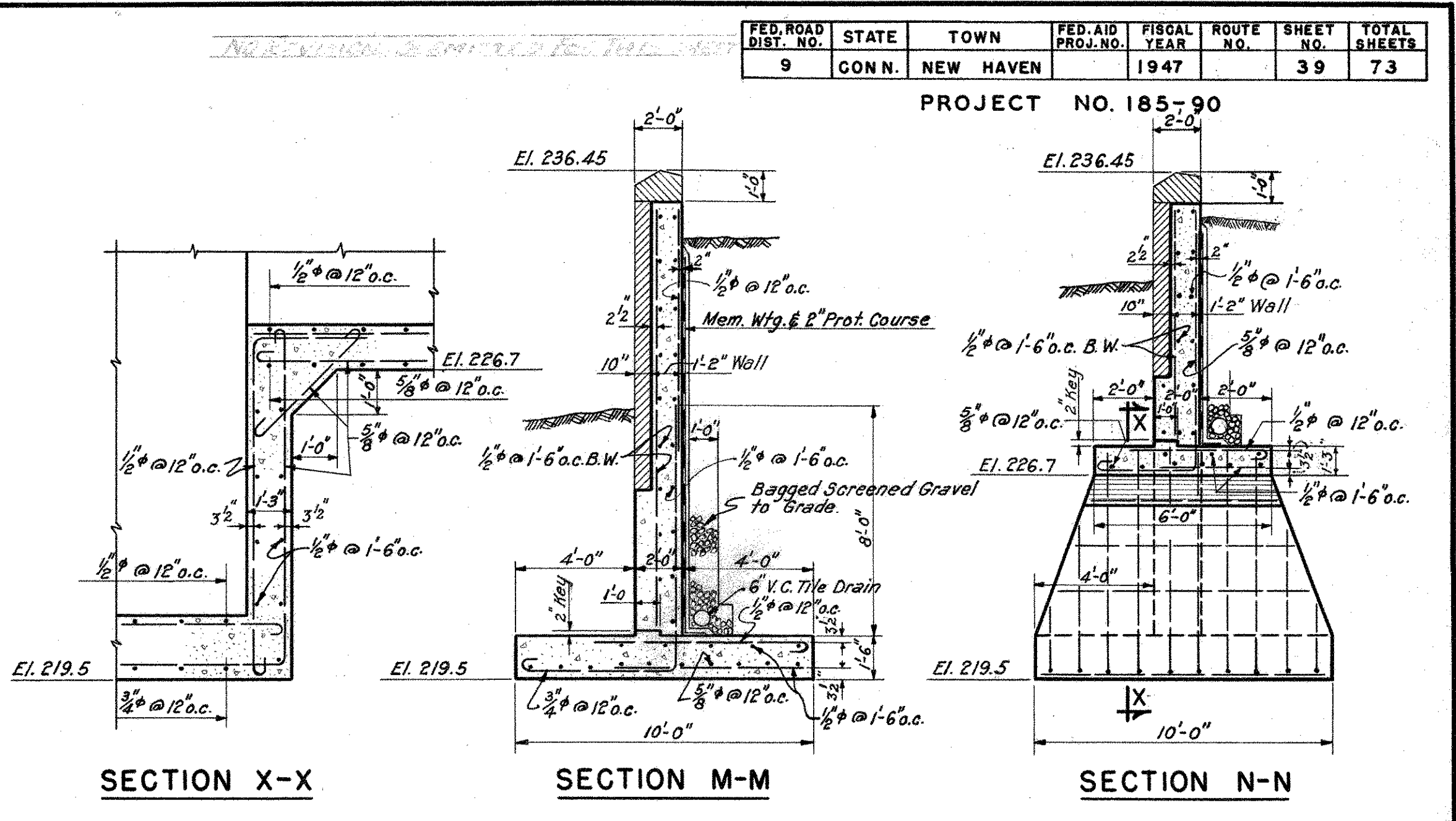
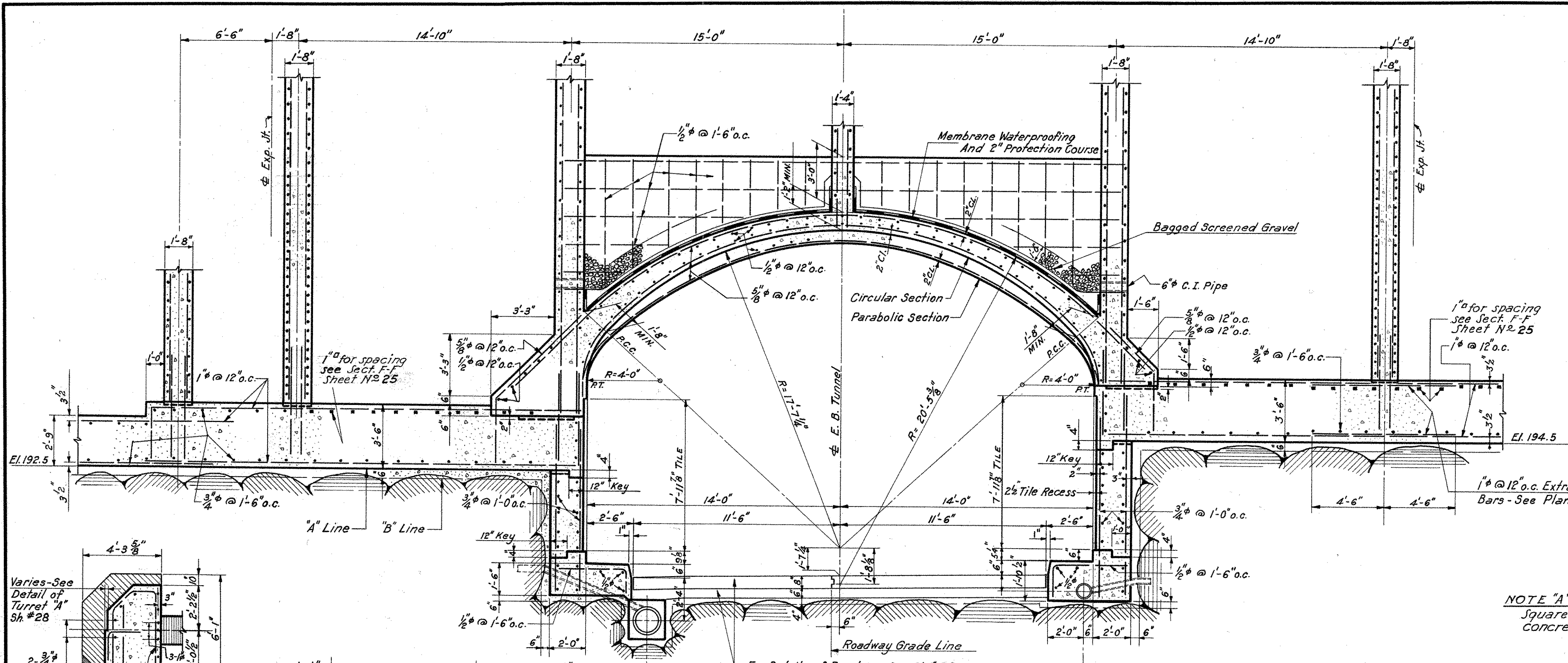
NOTES:

- 1 - For General Notes see Sheet No. 1
- 2 - For Wall and slab steel not shown see Sheet No. 24
- 3 - Terminate waterproofing in reglet as shown in Detail "C" Sheet No. 27
- 4 - For location of Sections: E-E, F-F, G-G, & X-X. see Sheet No. 24

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OF DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL EAST PORTAL SECTIONS	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE: 1/4" = 1'-0"	PROJECT NO.
MADE BY: G.V.	TUNNEL SHEET NO.
CHECKED BY: A.B.J.	DATE: 25 OF 44
APPROVED: _____	

PROJECT NO. 185-90

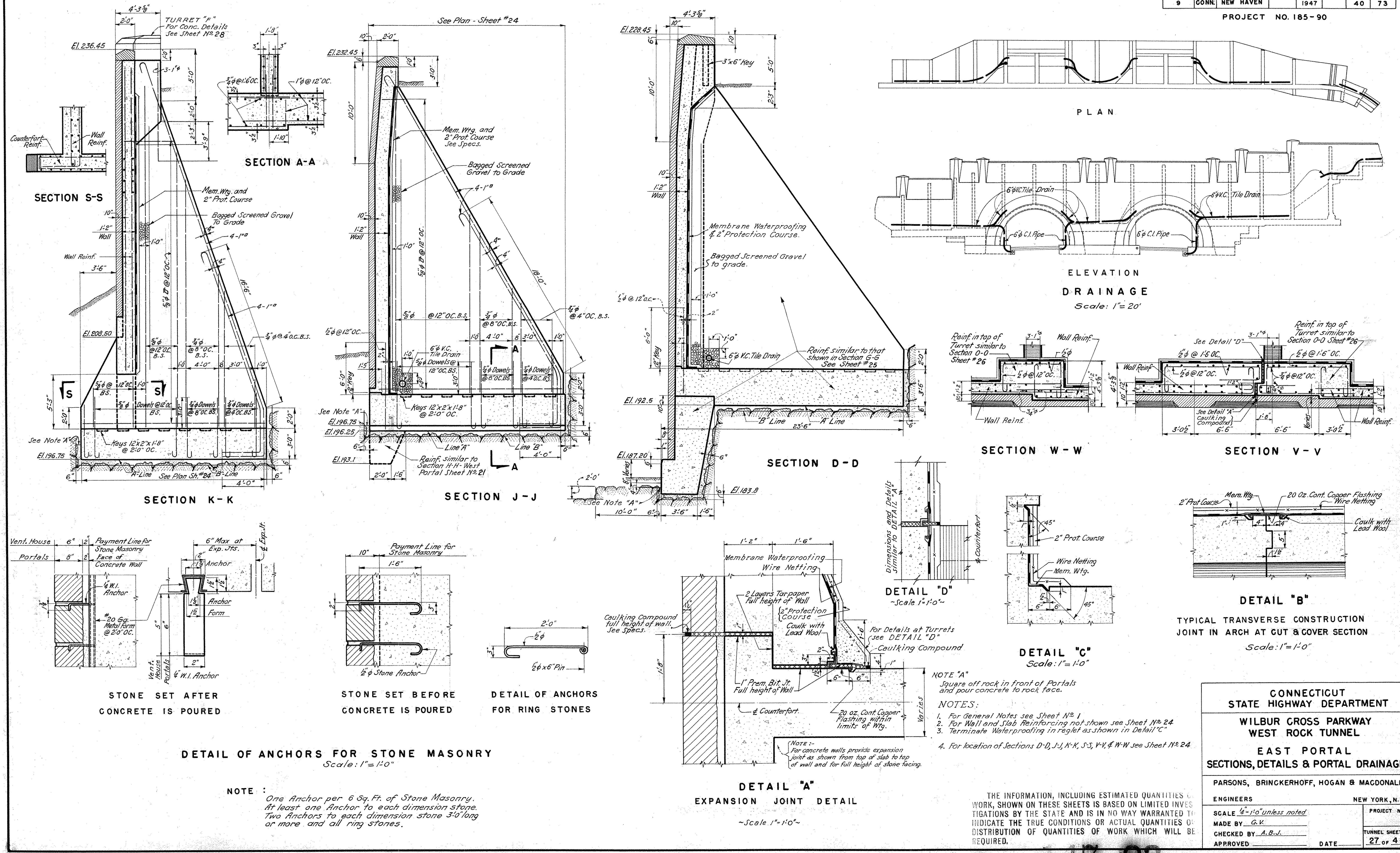


NOTE 'A'
Square off rock in front of Portals and pour concrete to rock face.

- NOTES
1. For General Notes see Sheet N^o 1
 2. For wall and slab reinforcing see Sheet N^o 24
 3. Terminate waterproofing in reglet as shown in DETAIL "C" Sheet N^o 27
 4. For location of Sections A-A, B-B, C-C, L-L, M-M, N-N, O-O, P-P, Q-Q, R-R, T-T & U-U, see Sheet N^o 24

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CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL EAST PORTAL SECTIONS	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD	
ENGINEERS	NEW YORK, N.Y.
SCALE 1/4" = 1'-0" Unless Noted	PROJECT NO.
MADE BY G.V.	TUNNEL SHEET NO.
CHECKED BY A.G.V.	26 OF 44
APPROVED _____	DATE _____



CONNECTICUT STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY WEST ROCK TUNNEL

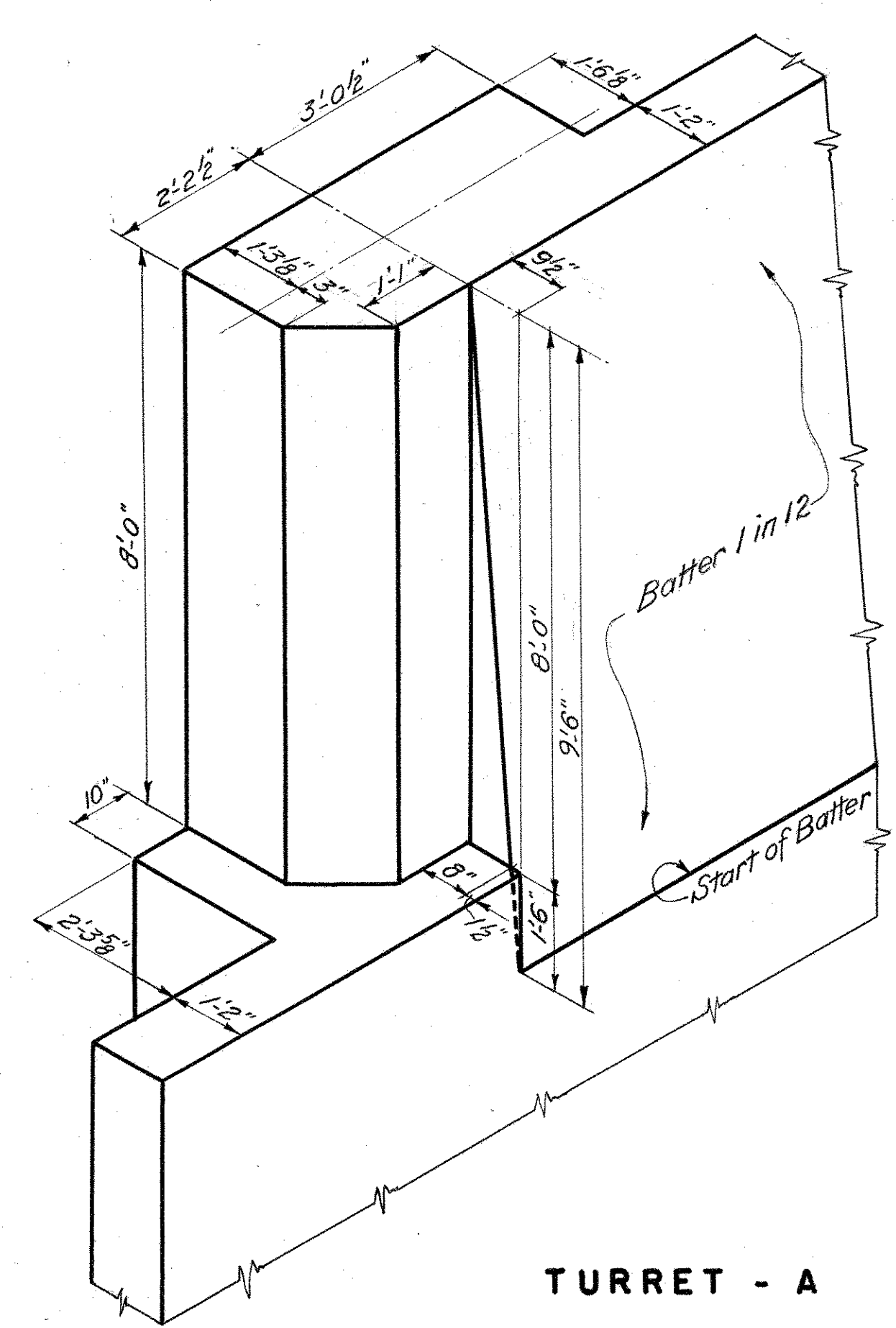
EAST PORTAL SECTIONS, DETAILS & PORTAL DRAINAGE

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD

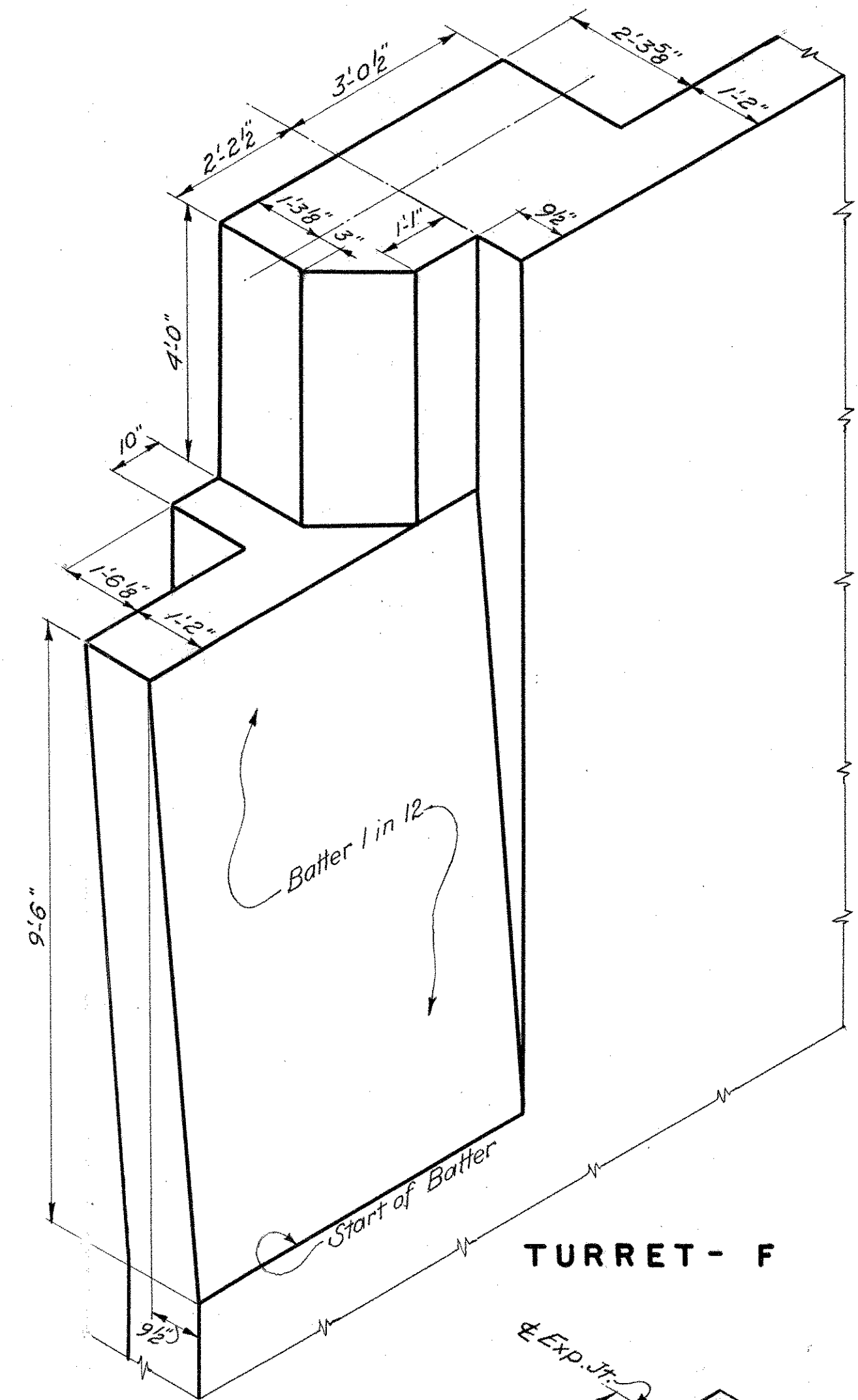
ENGINEERS	NEW YORK, N.Y.
SCALE 1/4"=1'-0" unless noted	PROJECT NO.
MADE BY G.V.	TUNNEL SHEET NO.
CHECKED BY A.B.V.	27 of 44
APPROVED _____	DATE _____

- NOTE "A"**
Square off rock in front of Portals and pour concrete to rock face.
- NOTES:**
- For General Notes see Sheet No. 1
 - For Wall and Slab Reinforcing not shown see Sheet No. 24
 - Terminate Waterproofing in reglet as shown in Detail "C"
 - For location of Sections D-D, J-J, K-K, S-S, V-V, & W-W see Sheet No. 24

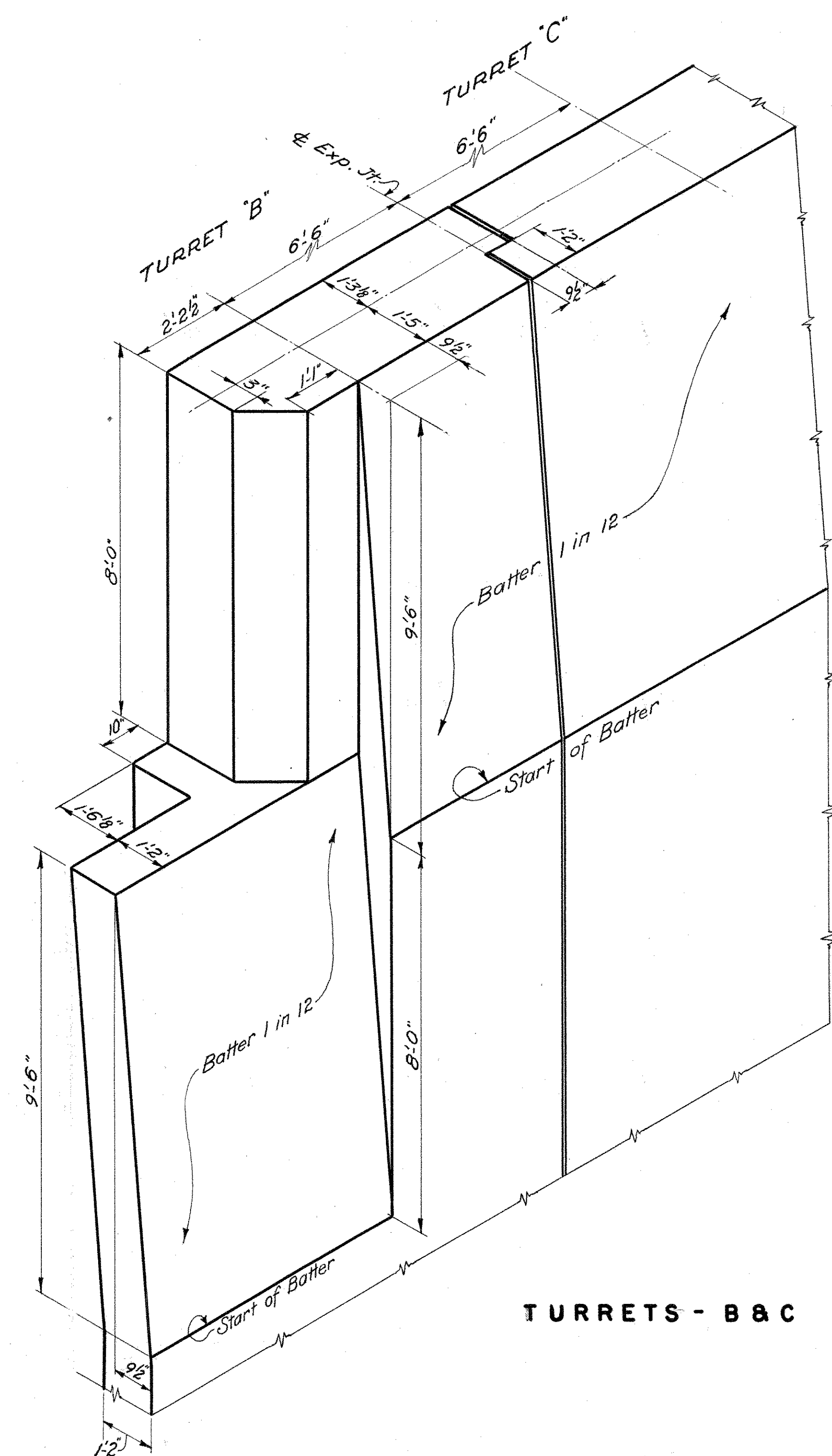
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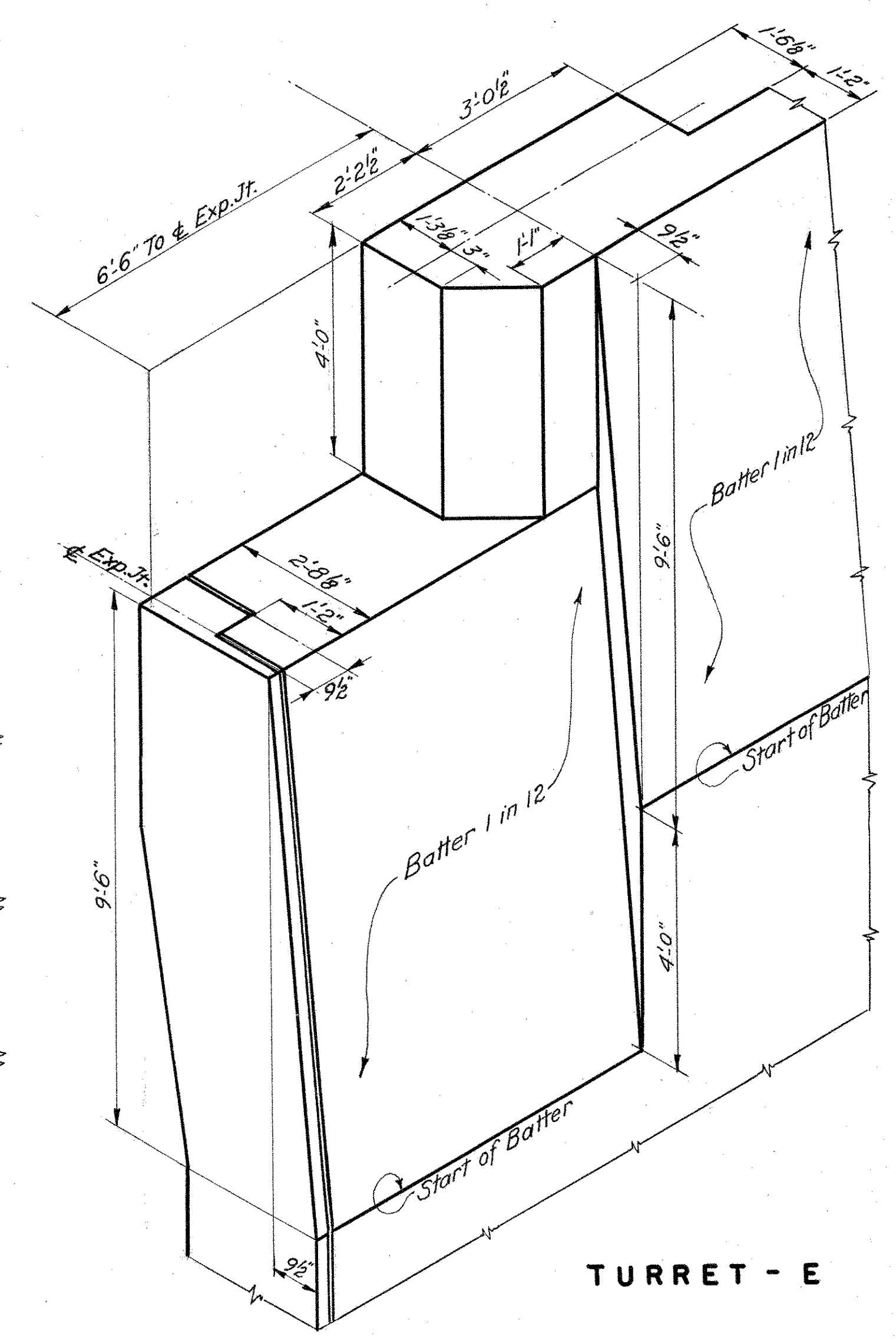
TURRET - A



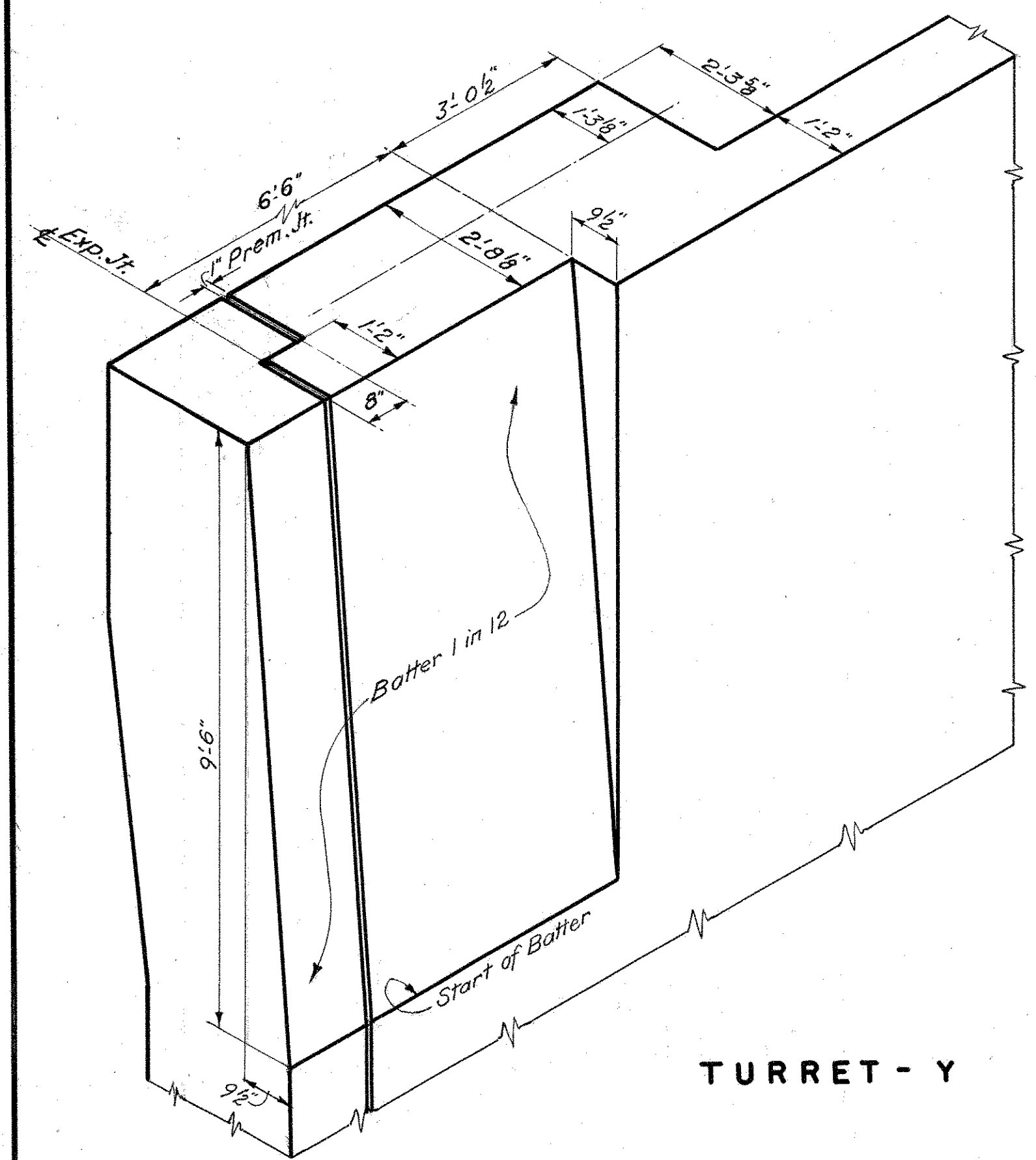
TURRET - F



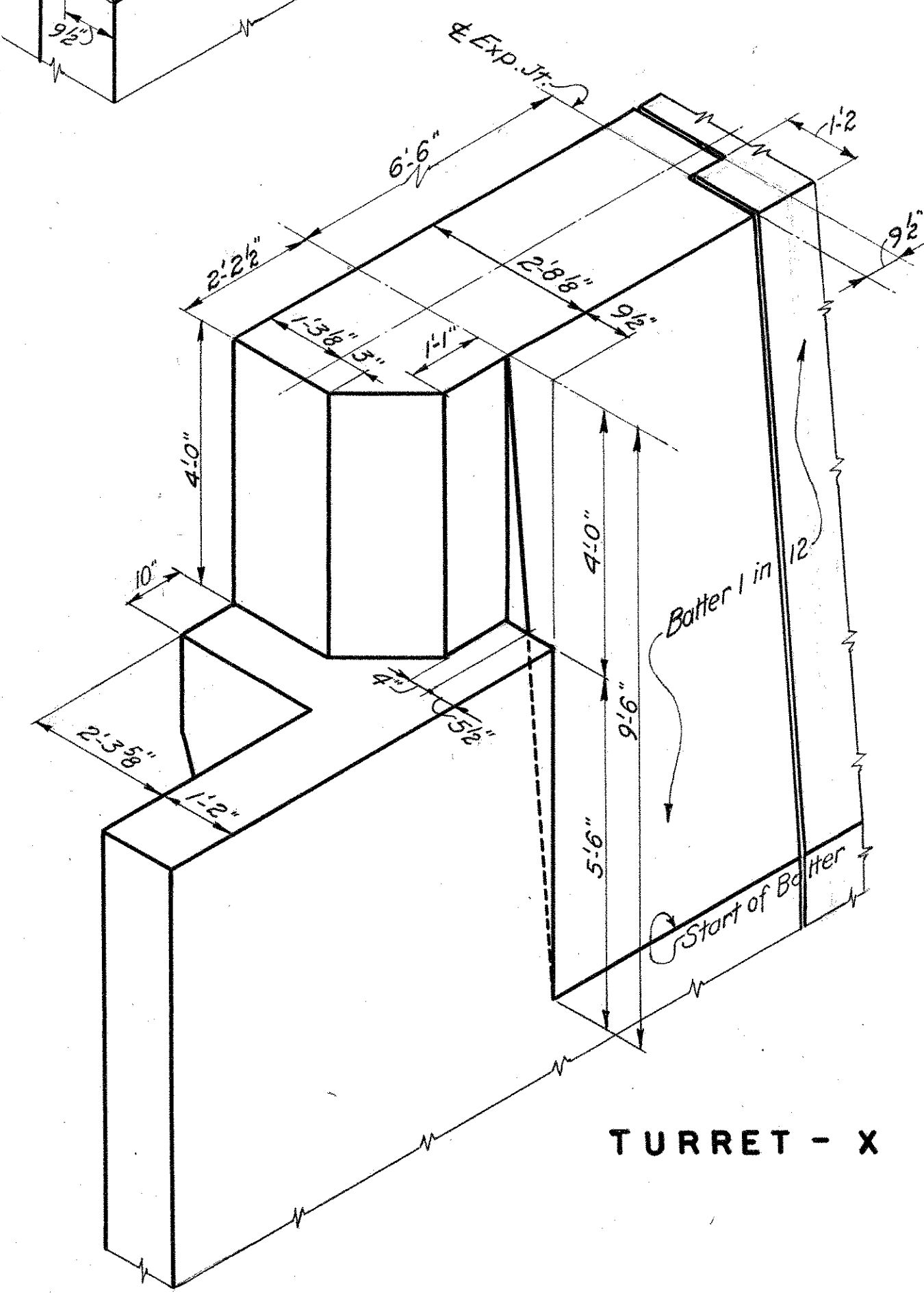
TURRETS - B & C



TURRET - E



TURRET - Y



TURRET - X

NOTE:-
For location see East & West Portals
Sheets N^o 20 & N^o 24

CONNECTICUT
STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
CONCRETE DETAILS AT TURRETS

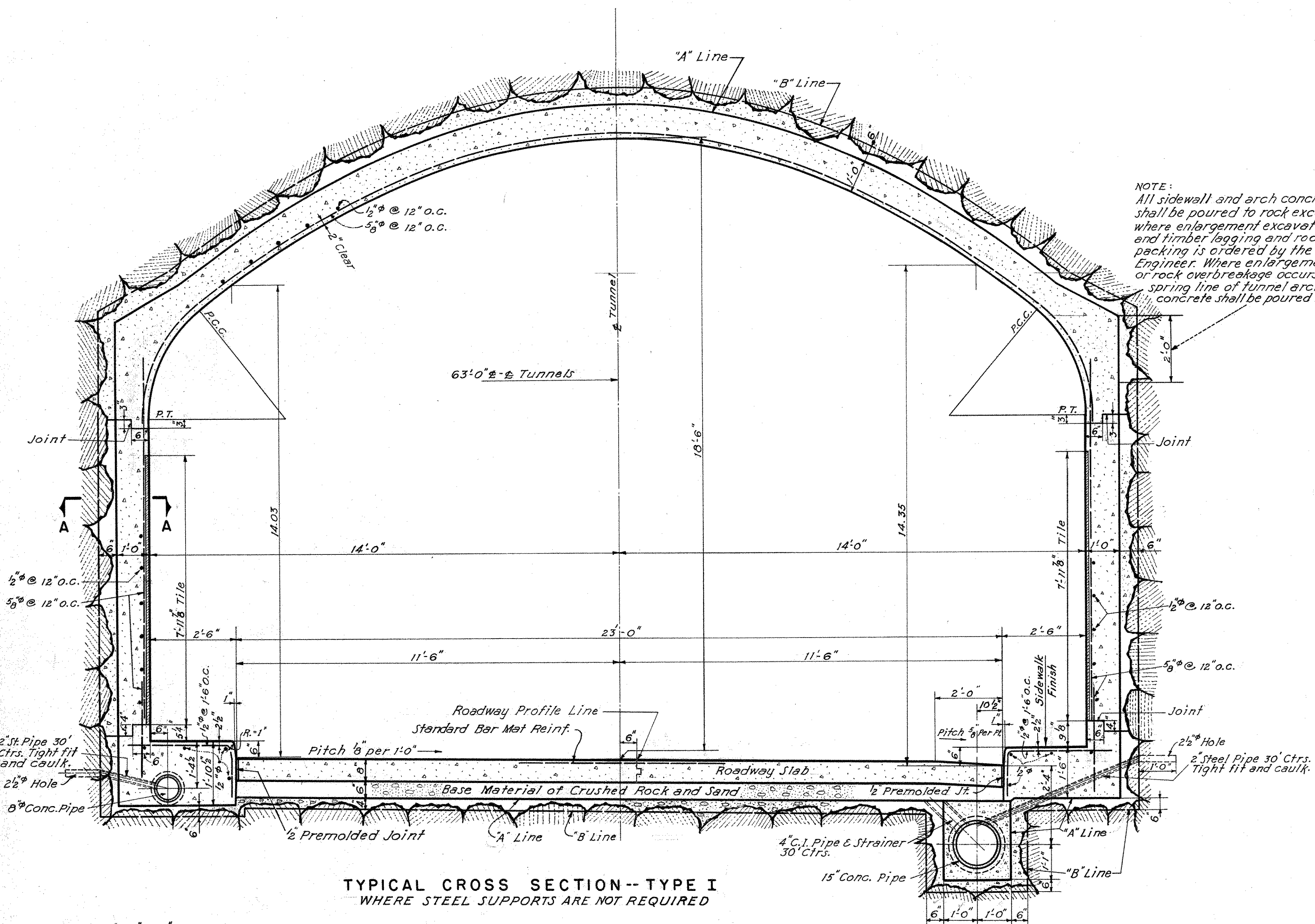
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD
ENGINEERS
NEW YORK, N.Y.

SCALE: 1/2" = 1'-0"
MADE BY: C.C.C.
CHECKED BY: A.B.J.
APPROVED: _____ DATE: _____

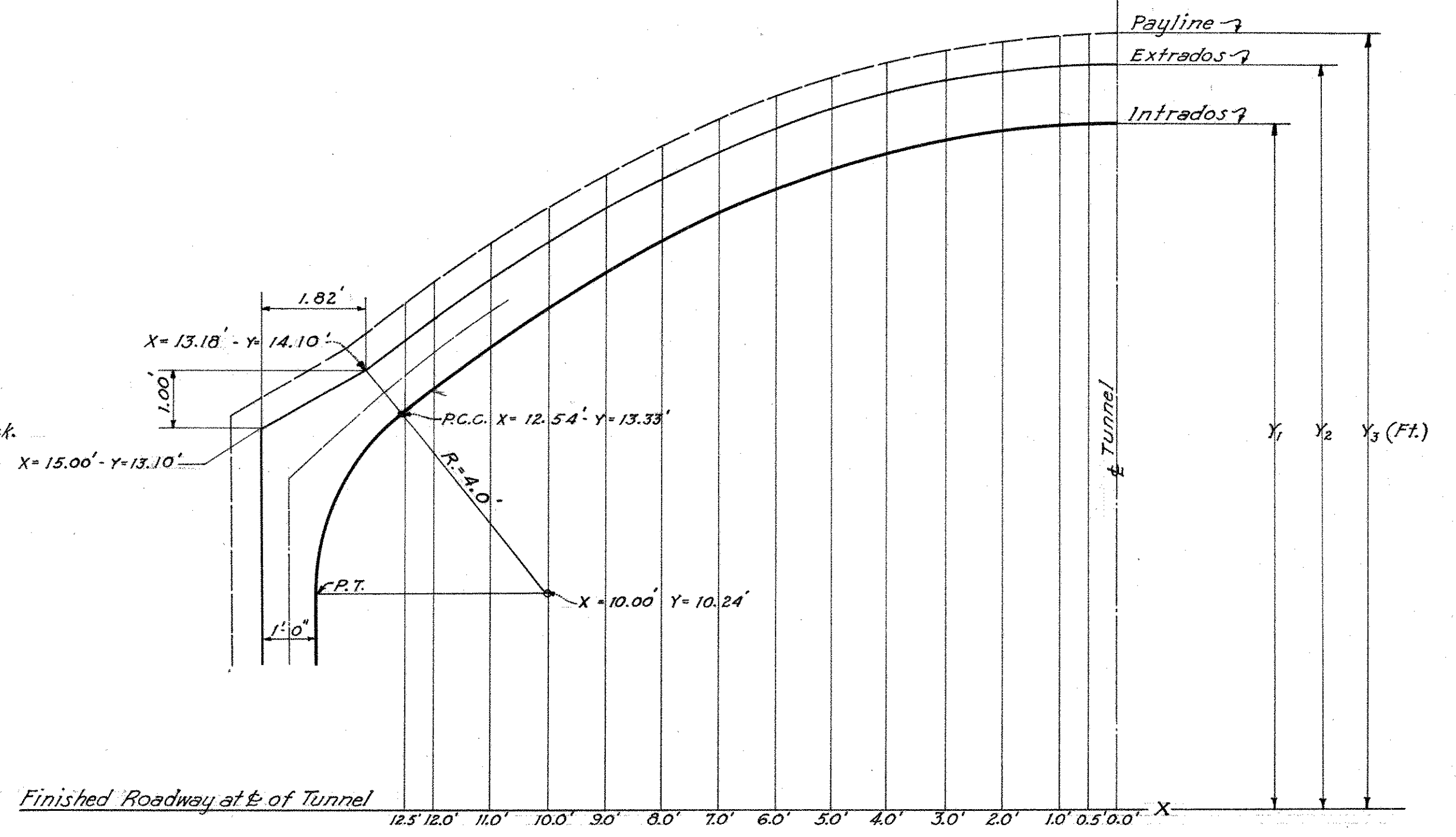
PROJECT NO. _____
TUNNEL SHEET NO. 28 OF 44

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PROJECT NO. 185-90



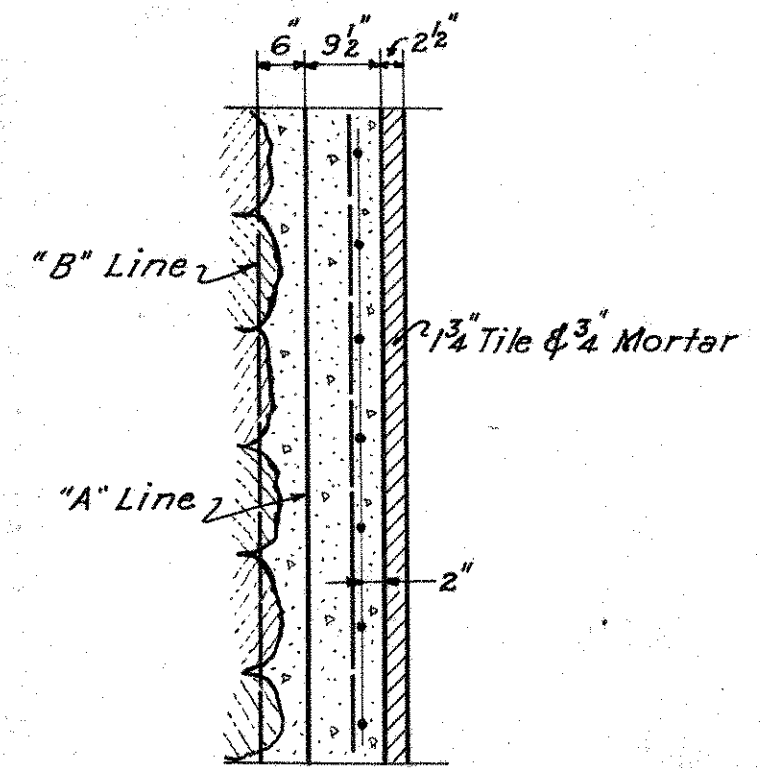
NOTE:
All sidewall and arch concrete shall be poured to rock except where enlargement excavation and timber lagging and rock packing is ordered by the Engineer. Where enlargement or rock overbreakage occurs at spring line of tunnel arch, concrete shall be poured to rock.



COORDINATES OF TUNNEL ARCH

Y	X	0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	12.5
INTRADOS---Y ₁		10.50	10.49	10.47	10.37	10.20	17.97	17.68	17.31	16.88	16.39	15.83	15.21	14.52	13.76	13.36
EXTRADOS---Y ₂		19.50	19.49	19.47	19.38	19.22	19.00	18.73	18.38	17.98	17.51	16.99	16.39	15.74	15.02	14.64
PAYLINE---Y ₃		20.00	19.99	19.97	19.88	19.73	19.52	19.25	18.92	18.53	18.08	17.56	16.99	16.35	15.65	15.28

TYPICAL CROSS SECTION--TYPE I
WHERE STEEL SUPPORTS ARE NOT REQUIRED



SECTION A-A

TYPE I TUNNEL SECTION
NOT USED

- NOTES:
- For General Notes see Sheet No. 1
 - For location of electrical conduits see Sheet No. 38, 39 & 41
 - For location of tunnel drainage see Sheet No. 34
 - For definition of "A" Line and "B" Line see Supplementary Specifications, "Special Provisions."
 - For Details and locations of Niches in Walls See Sheet No. 11
 - For Details and locations of Niches for Lights See Sheet No. 41
 - For Details of Control Room See Sheet No. 31
 - For Details of Expansion and Construction Joints in Pavement See: "Standard Paving Details"

**CONNECTICUT
STATE HIGHWAY DEPARTMENT**

**WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
TYPICAL TUNNEL SECTION
TYPE I**

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD
ENGINEERS
NEW YORK, N.Y.

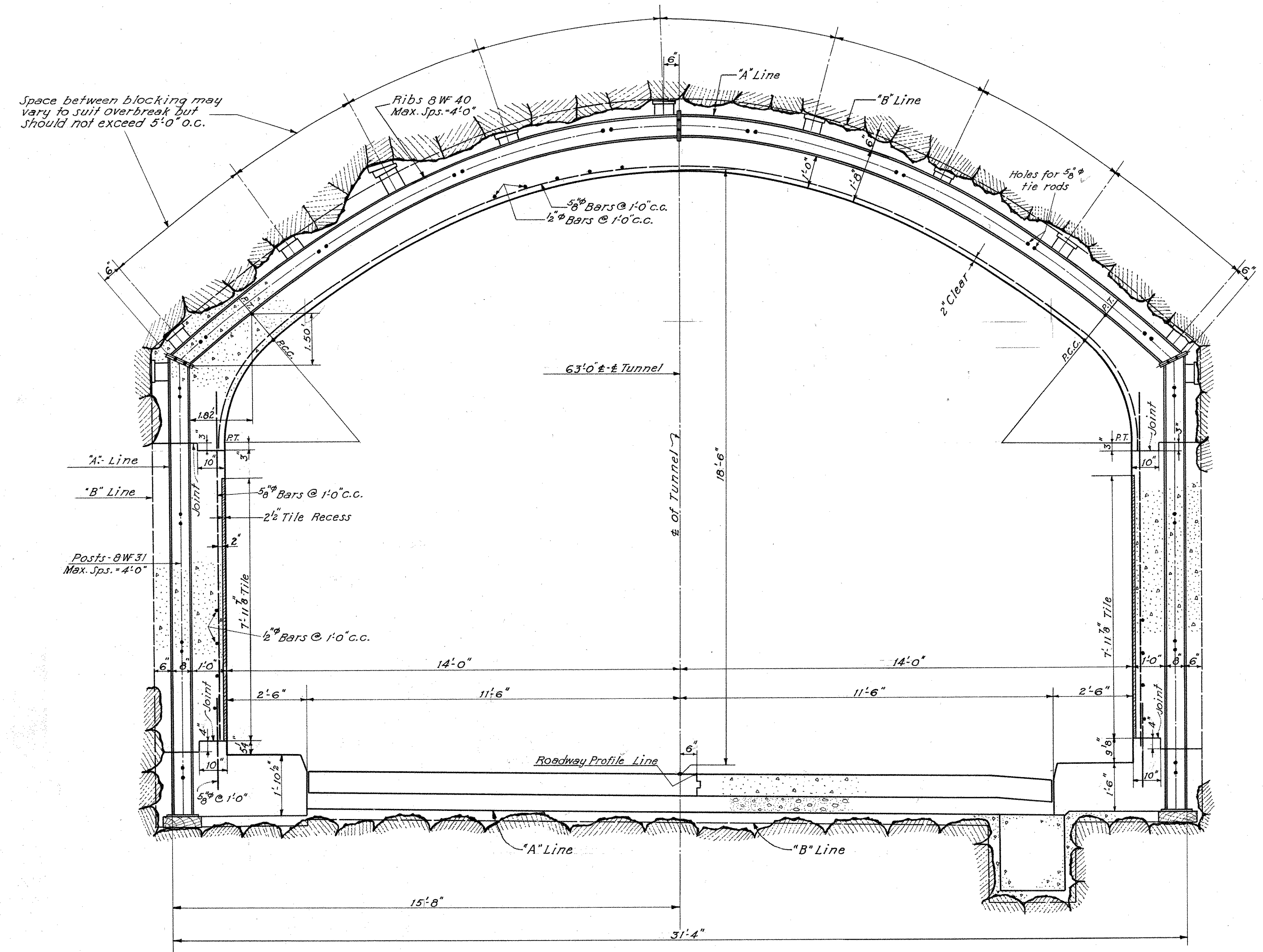
SCALE 1/2" = 1'-0"
MADE BY P.C.
CHECKED BY G.V.
APPROVED _____ DATE _____

PROJECT NO. _____
TUNNEL SHEET NO. 29 of 44

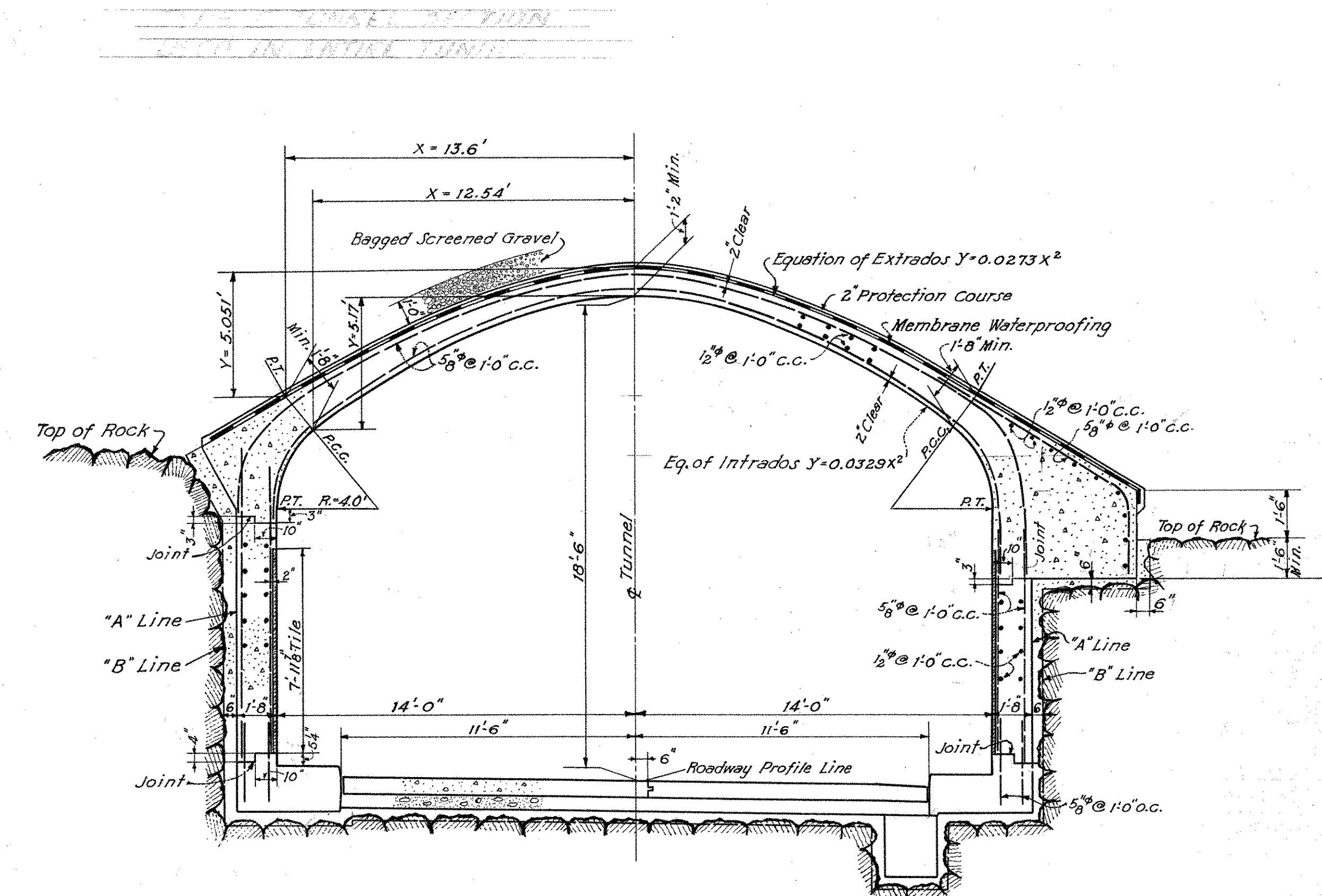
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FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CON N.	NEW HAVEN		1947		43	73

PROJECT NO. 185-90



TYPICAL CROSS SECTION TYPE II
WHERE STEEL SUPPORTS ARE REQUIRED
Scale 1/2" = 1'0"



TYPICAL CROSS SECTION TYPE III
WHERE TOP OF ROCK IS BELOW SPRING LINE OF ARCH AND FOR CUT AND COVER SECTION.
Scale 1/4" = 1'0"

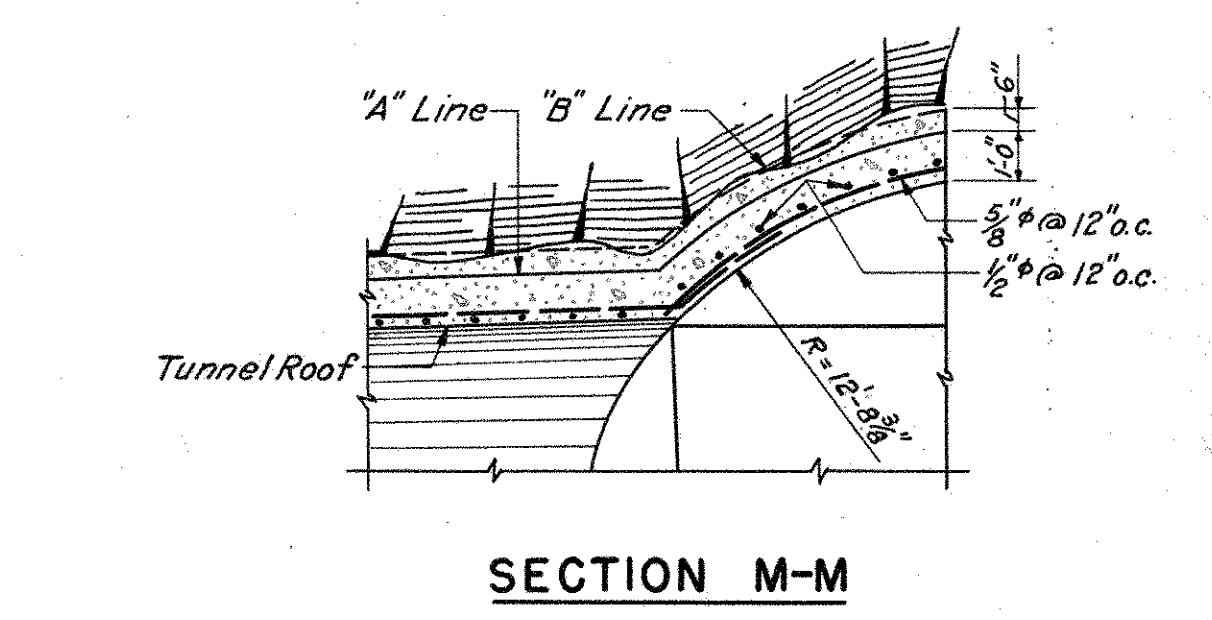
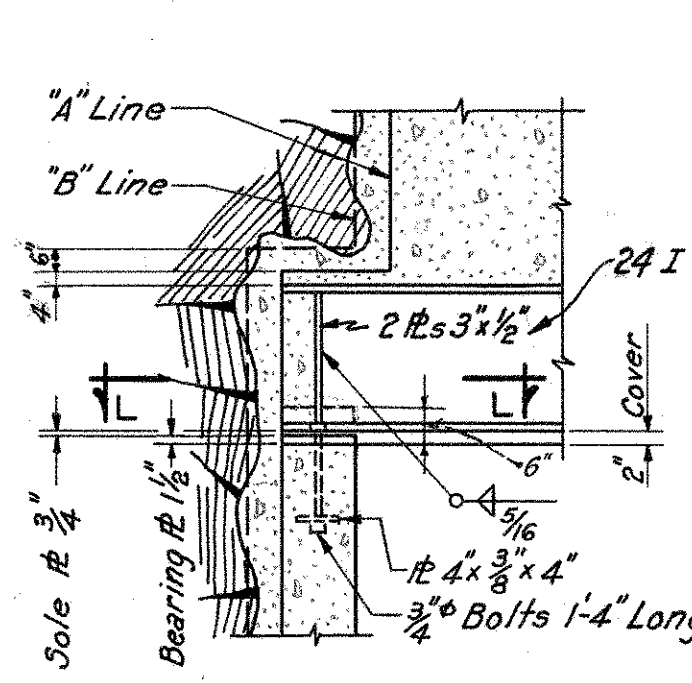
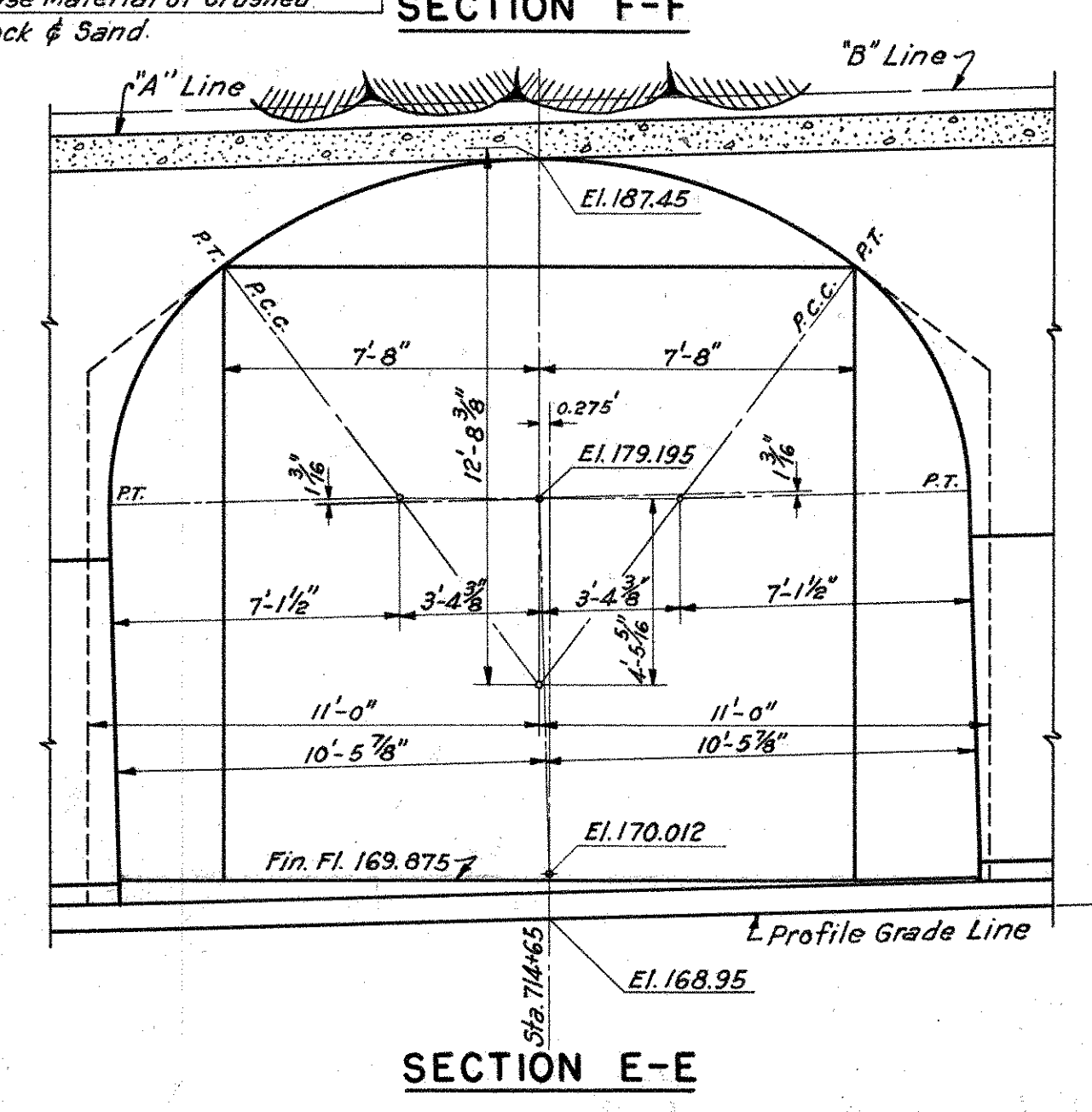
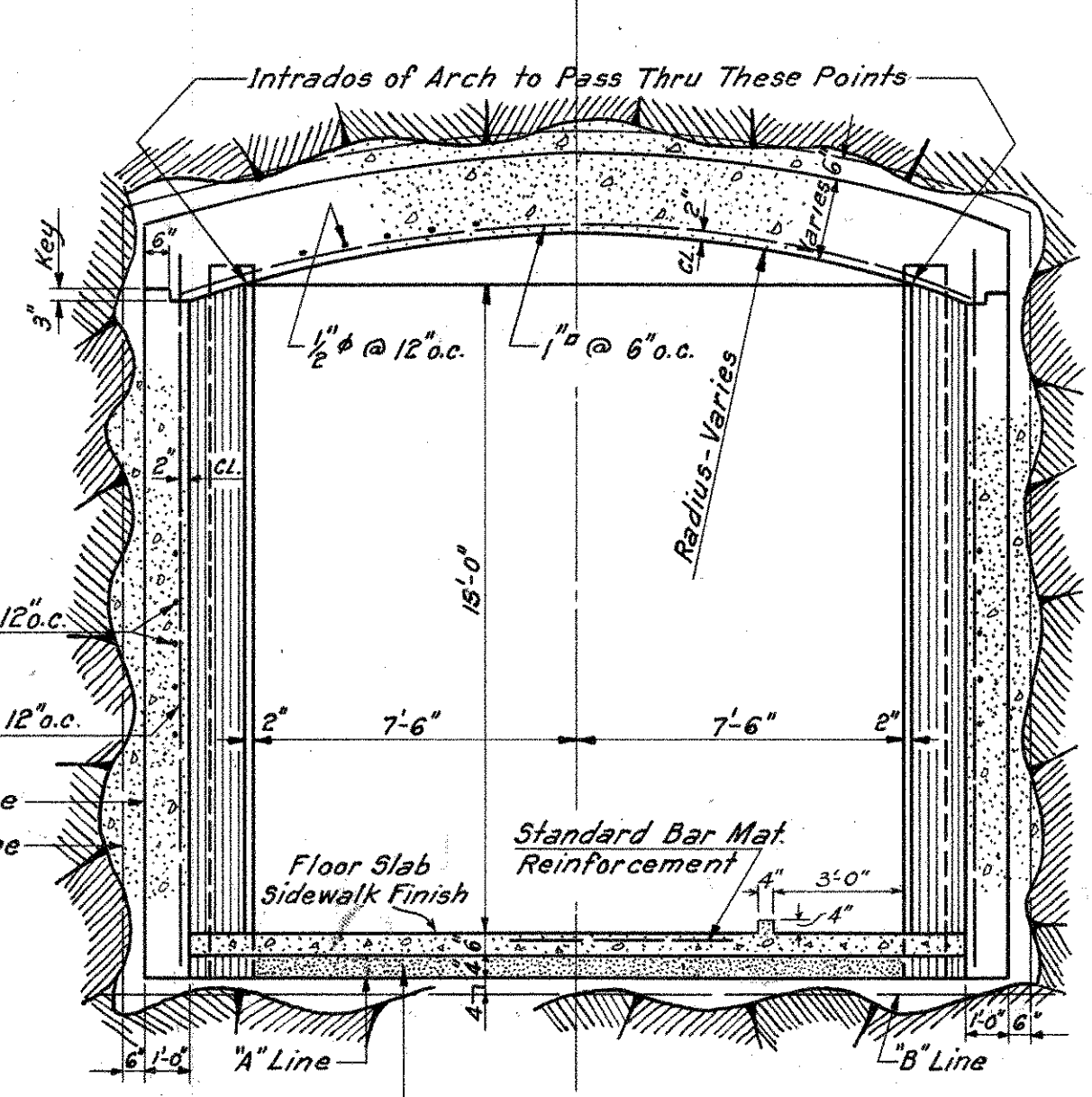
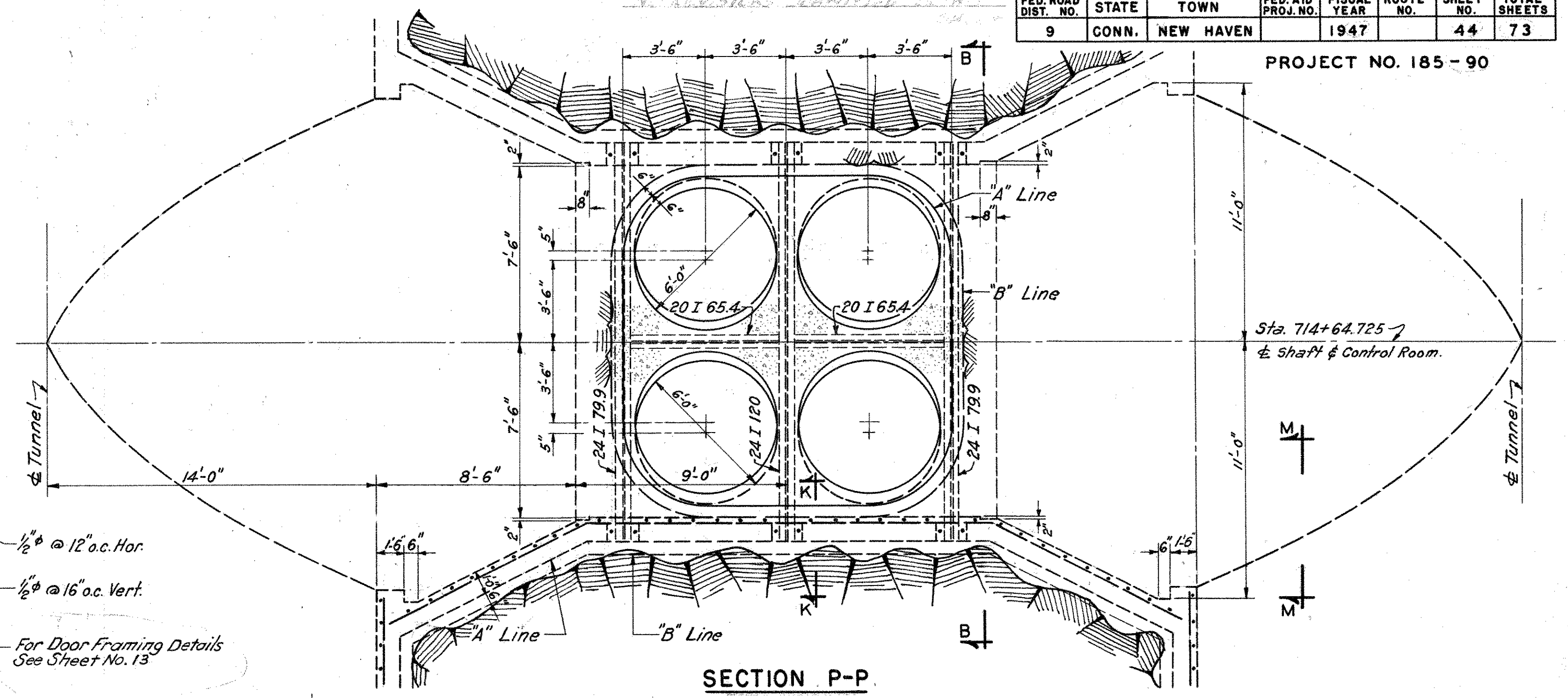
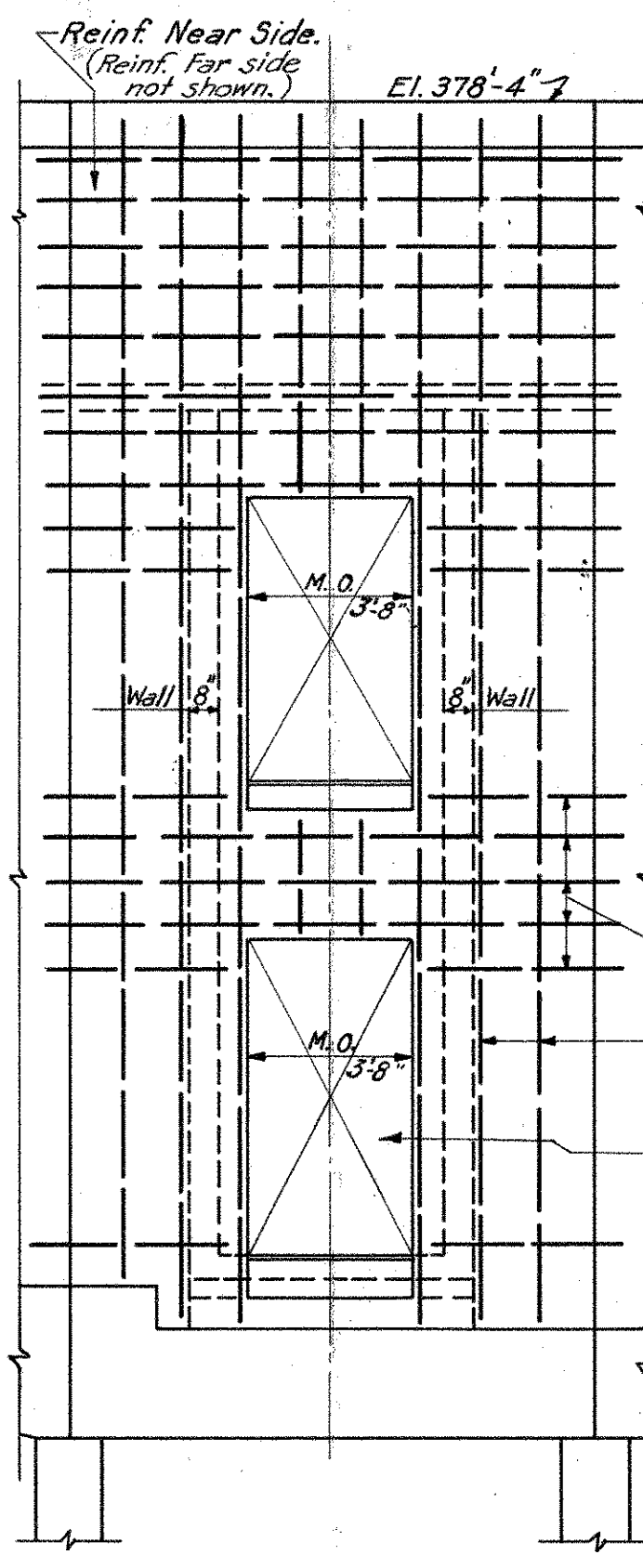
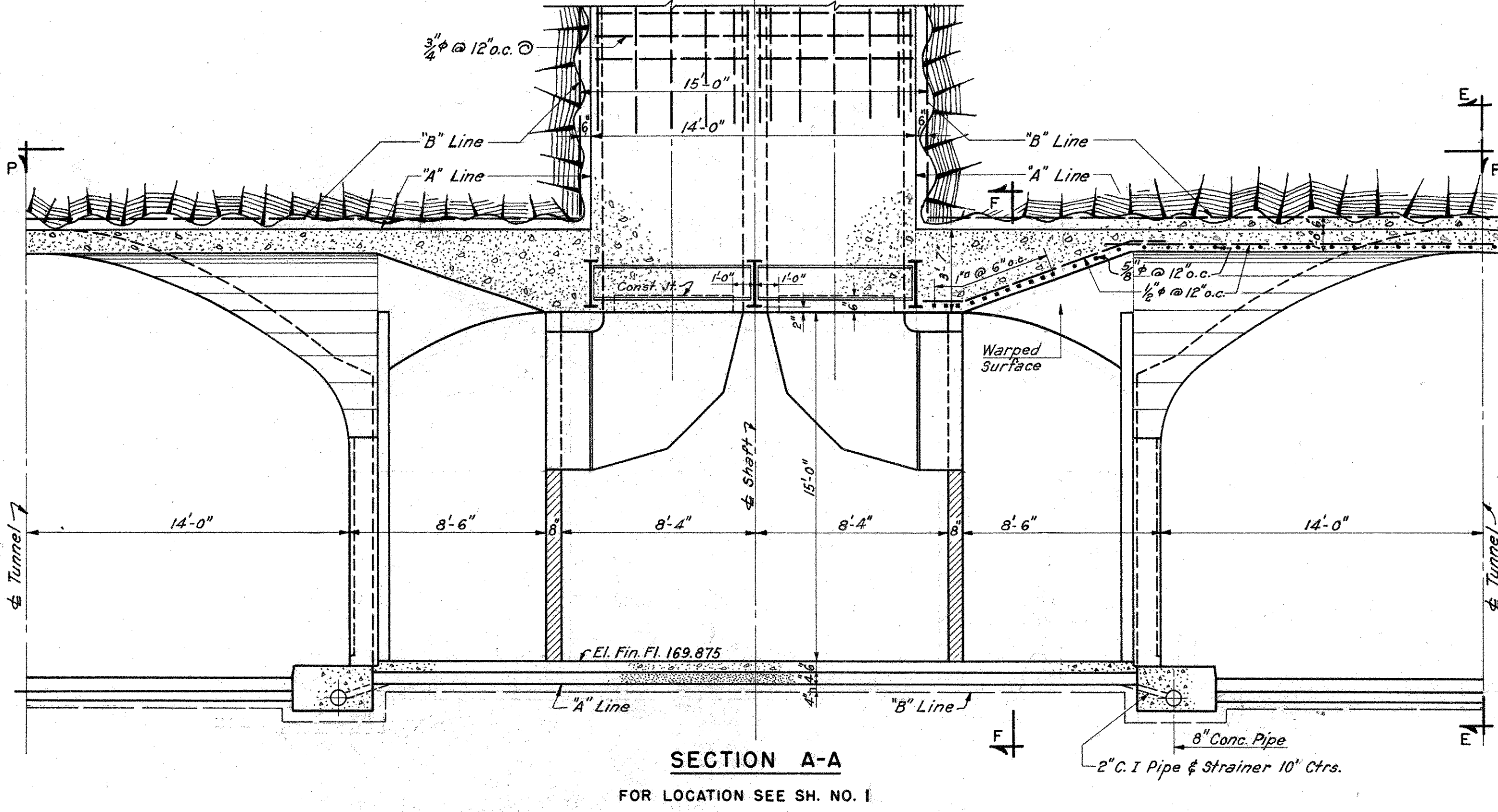
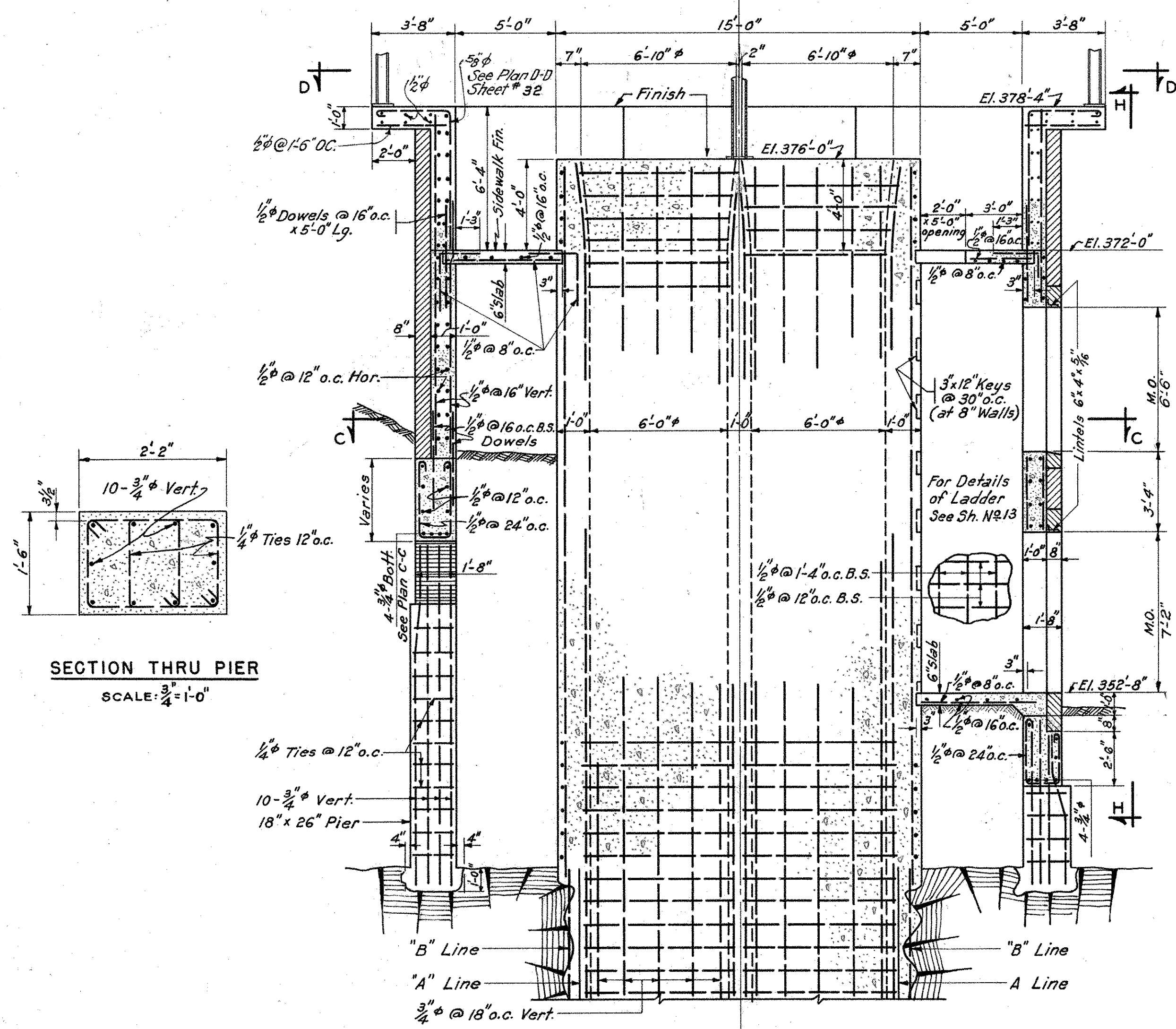
- NOTES:
1. For General Notes see Sheet No. 1
 2. For location of electrical conduits see Sheet Nos. 38, 39 & 41
 3. For location of tunnel drainage see Sheet No. 34
 4. For definition of "A" Line and "B" Line see Supplementary Specifications "Special Provisions."
 5. For Details of Curbs and Roadway see Sheet No. 29
 6. For Coordinates of Intrados see Sheet No. 29
 7. For Details of Expansion and Construction Joints in pavement see "Standard Paving Details"
 8. For Details and locations of Niches in Walls see Sheet No. 11
 9. For Details and locations of Niches for Lights see Sheet No. 41

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CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL SPECIAL TUNNEL SECTIONS TYPE II & TYPE III	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE <i>As Noted</i>	PROJECT NO.
MADE BY <i>R.C.</i>	TUNNEL SHEET NO.
CHECKED BY <i>G.V.</i>	30 OF 44
APPROVED _____	DATE _____

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		44	73

PROJECT NO. 185-90



NOTES:-
 For Location of Section A-A See Sheet #1
 For Sections C-C & D-D See Sheet #32
 For Section B-B See Section B-B Sheet #33
 For General Notes See Sheet #1
 For Details Not Shown See Architectural Dwg.
 For Drainage see Sheet #34
 For Electrical Conduits see Sheet #43

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

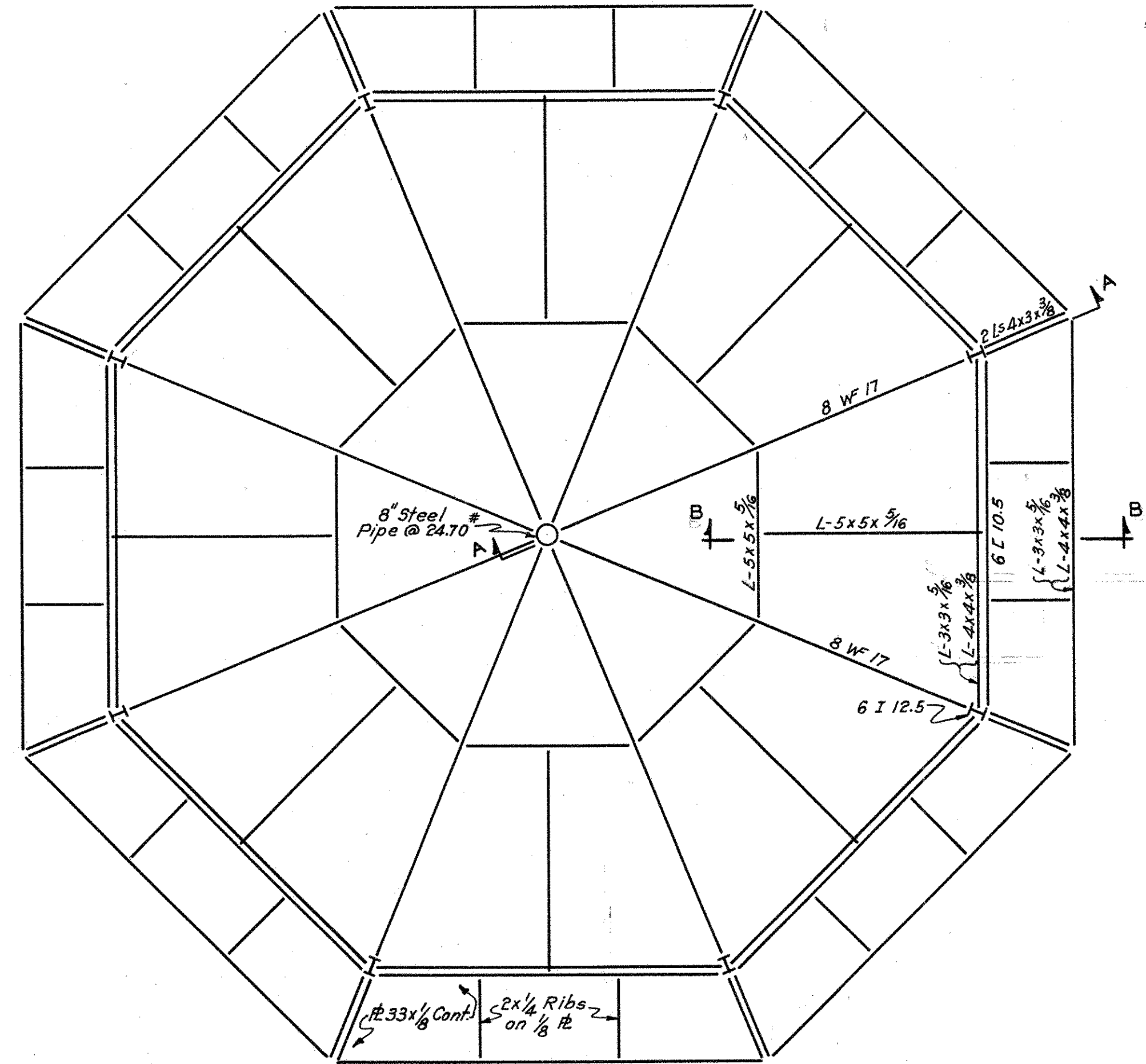
CONNECTICUT STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY WEST ROCK TUNNEL VENTILATING SHAFT AND CONTROL ROOM

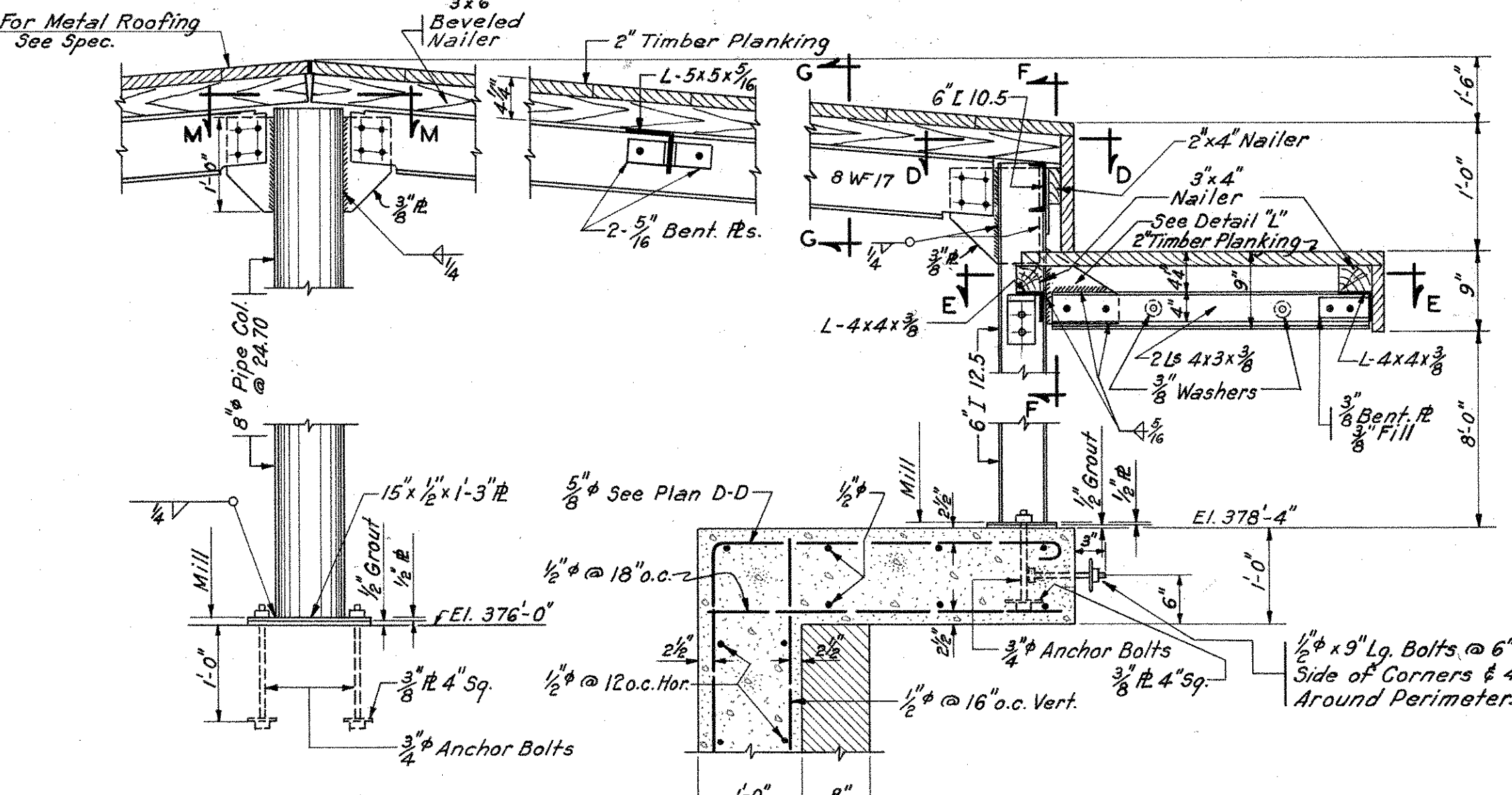
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.

SCALE: 1/2" = 1'-0" Unless noted.
 MADE BY: P.C.
 CHECKED BY: G.V.
 APPROVED: _____ DATE: _____

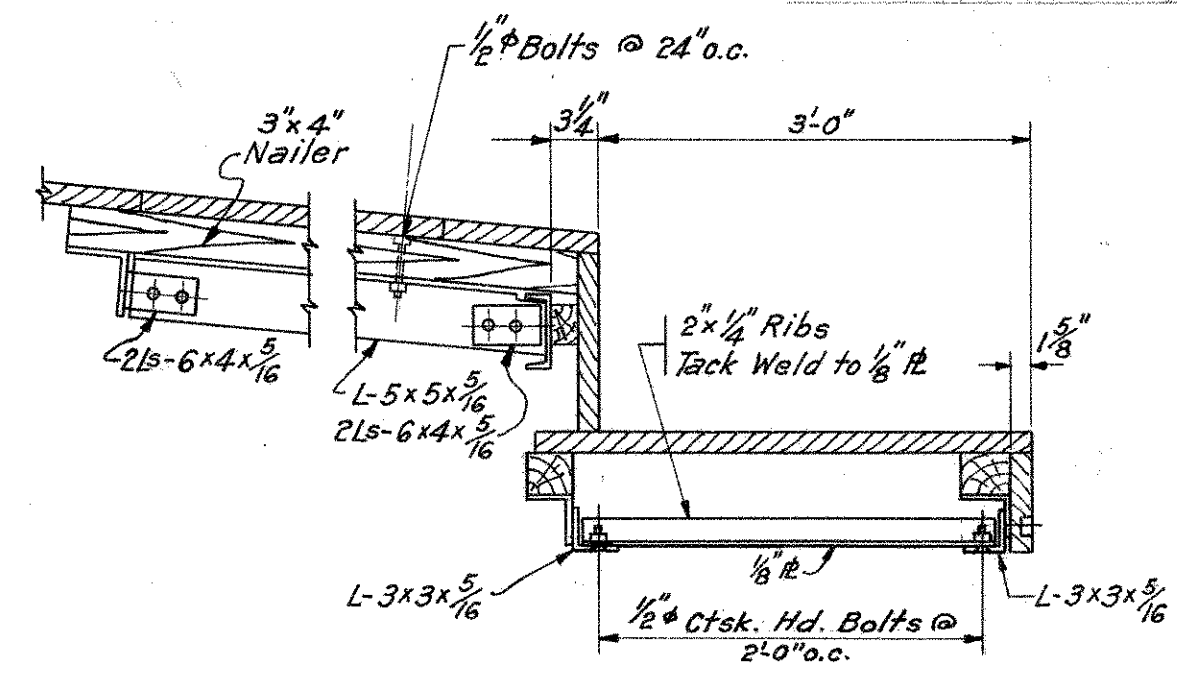
PROJECT NO. _____
 TUNNEL SHEET NO. 31 OF 44



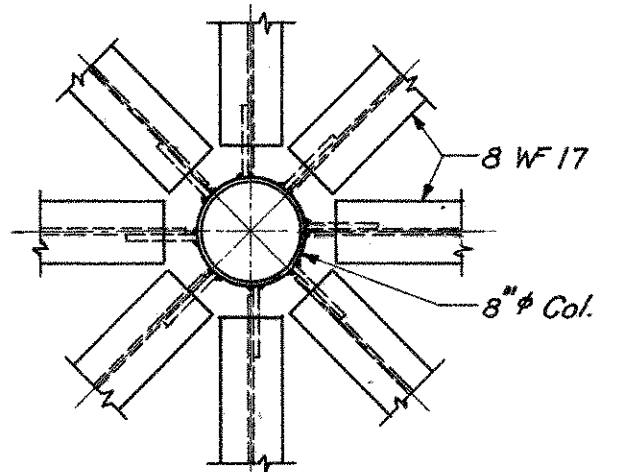
ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



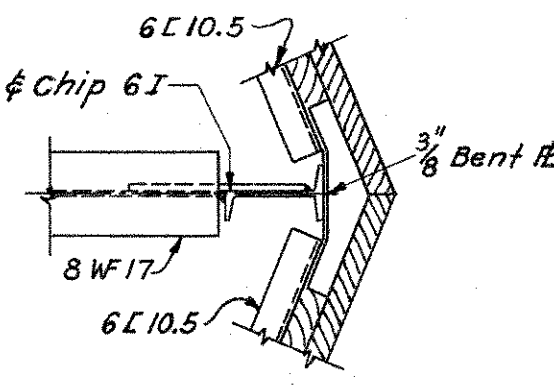
SECTION A-A
SCALE: 3/4" = 1'-0"



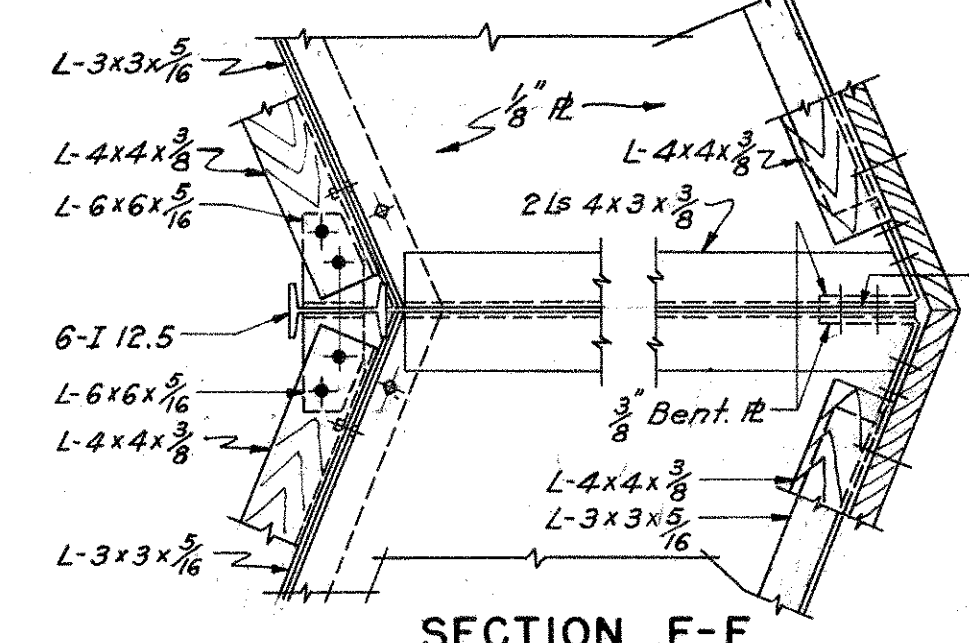
SECTION B-B
SCALE: 3/4" = 1'-0"



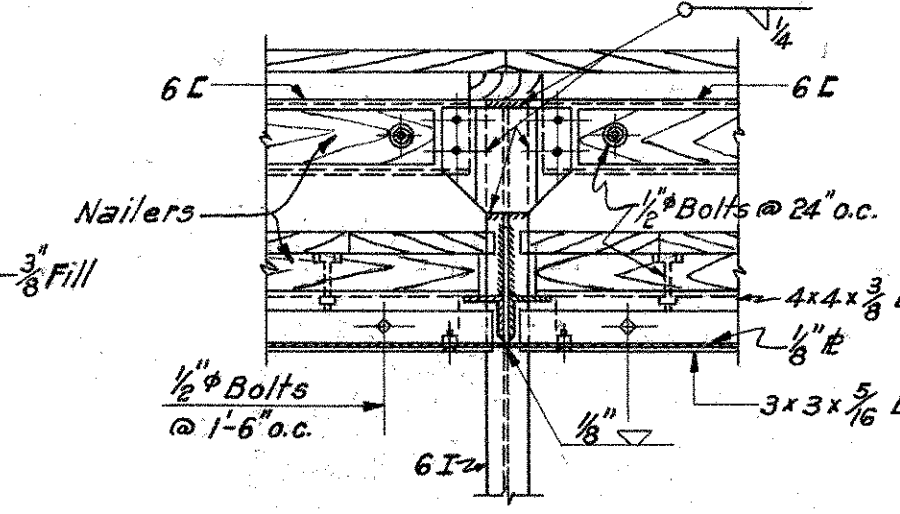
SECTION M-M
SCALE: 3/4" = 1'-0"



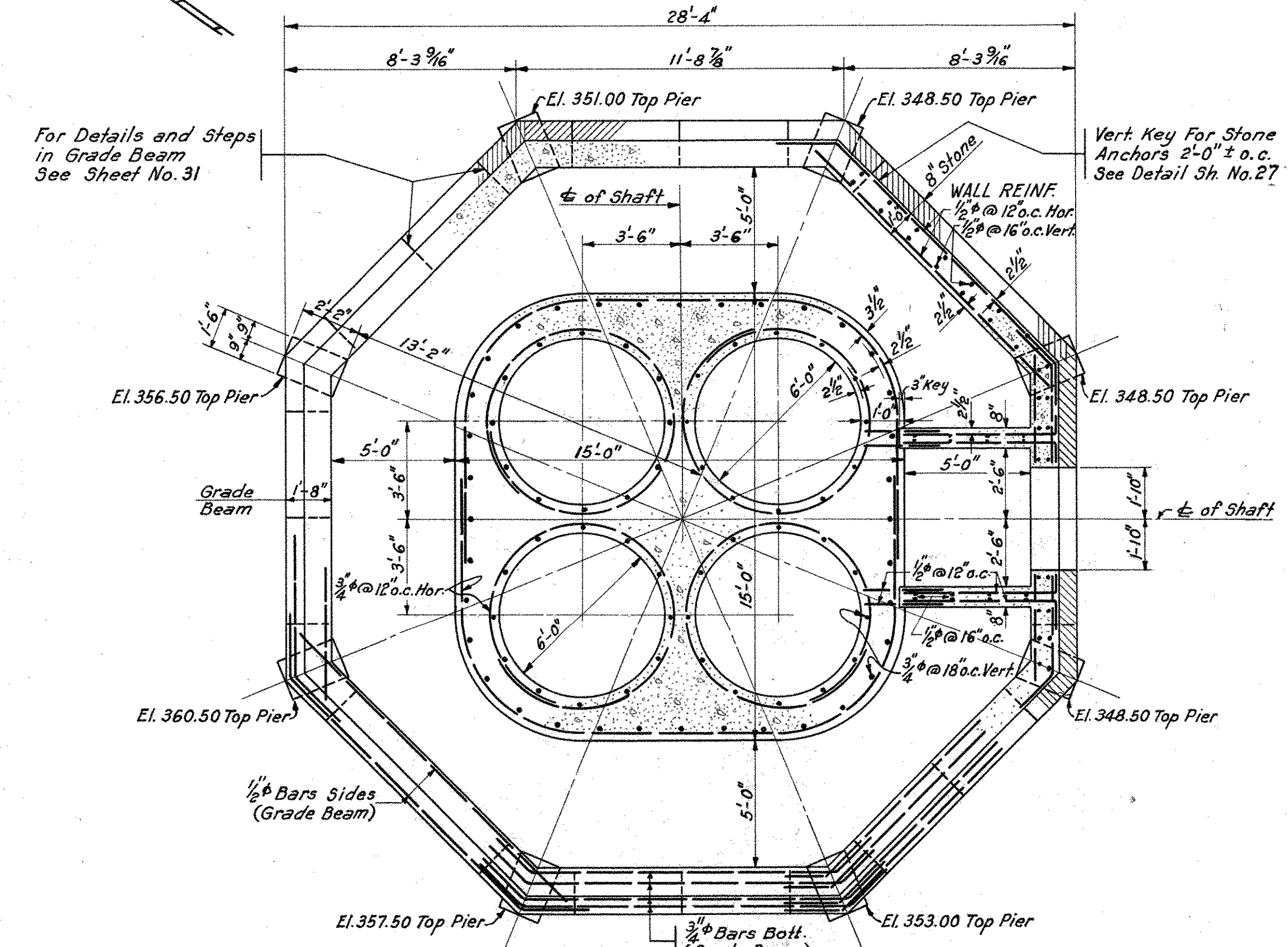
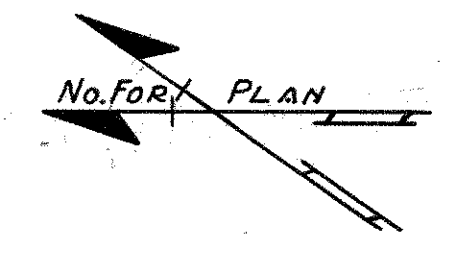
SECTION D-D
SCALE: 1" = 1'-0"



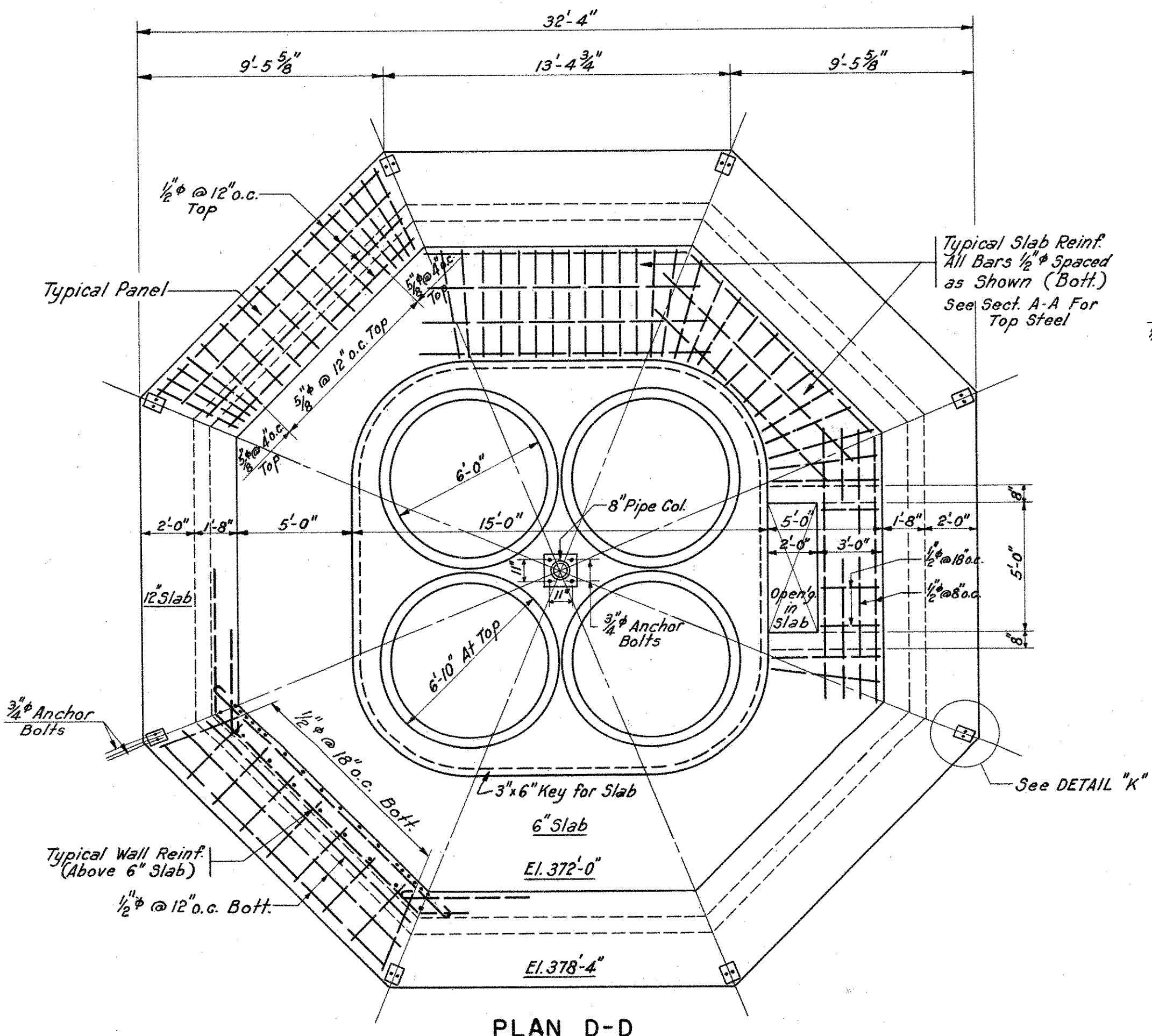
SECTION E-E
SCALE: 1" = 1'-0"



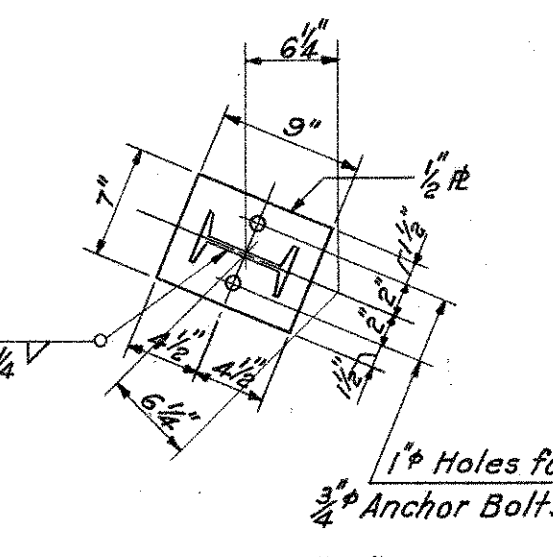
SECTION F-F
SCALE: 3/4" = 1'-0"



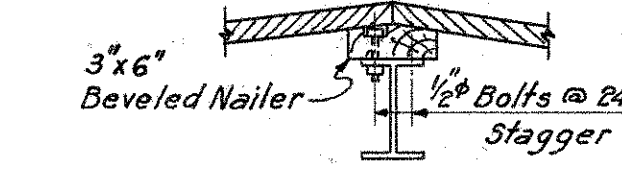
SECTION C-C
SCALE: 1/4" = 1'-0"



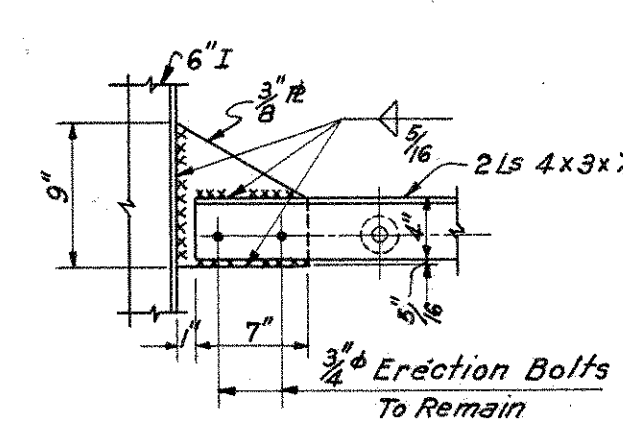
PLAN D-D
SCALE: 1/4" = 1'-0"



DETAIL K
SCALE: 1" = 1'-0"



SECTION G-G
SCALE: 3/4" = 1'-0"



DETAIL L
SCALE: 1" = 1'-0"

NOTES:
Rivets 3/4"
Open Holes 1 1/2" Unless Noted
For Location of Section C-C and Plan D-D See Sheet # 31
For Details Not Shown See Architectural Dwg.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CONNECTICUT STATE HIGHWAY DEPARTMENT

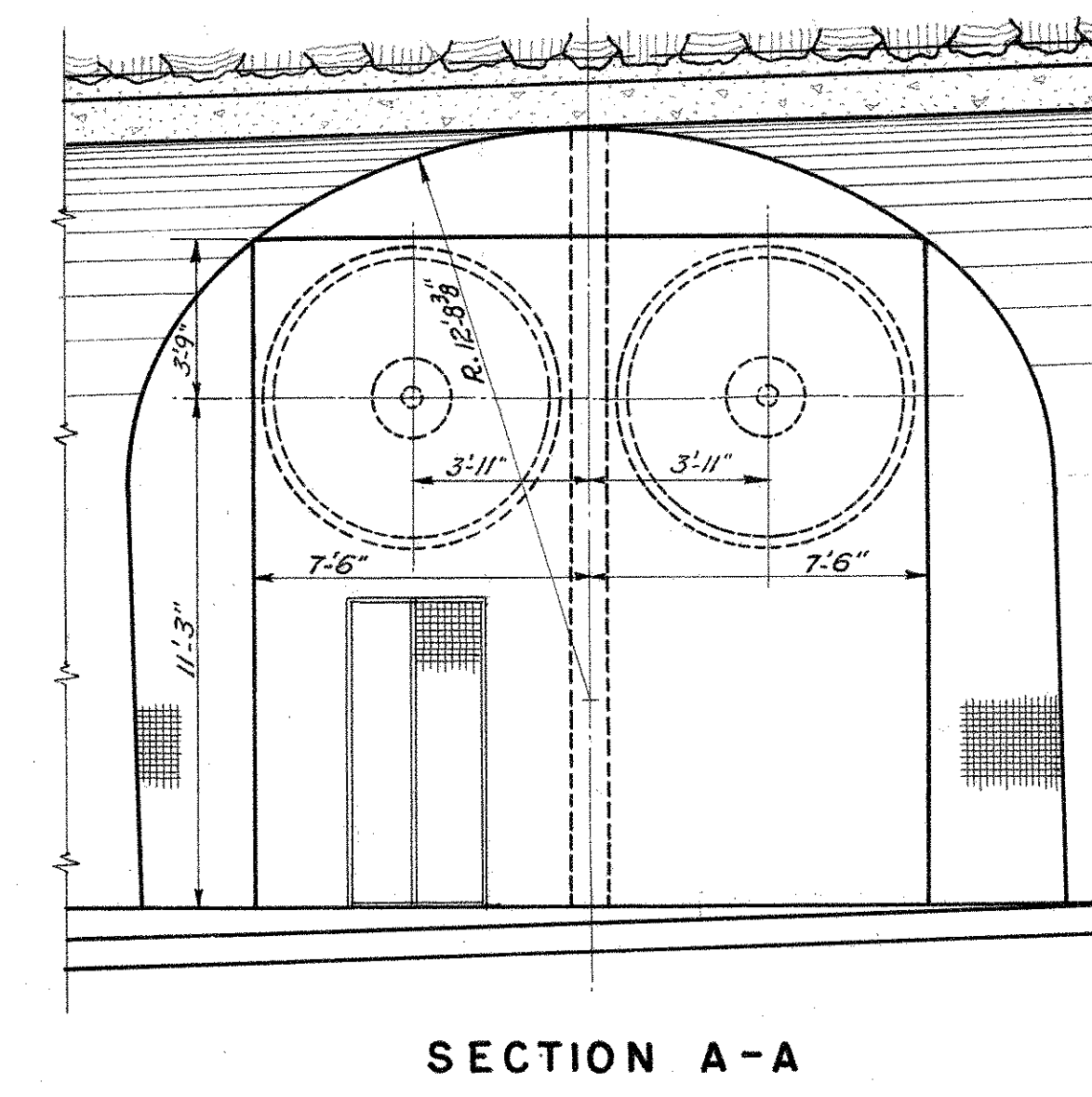
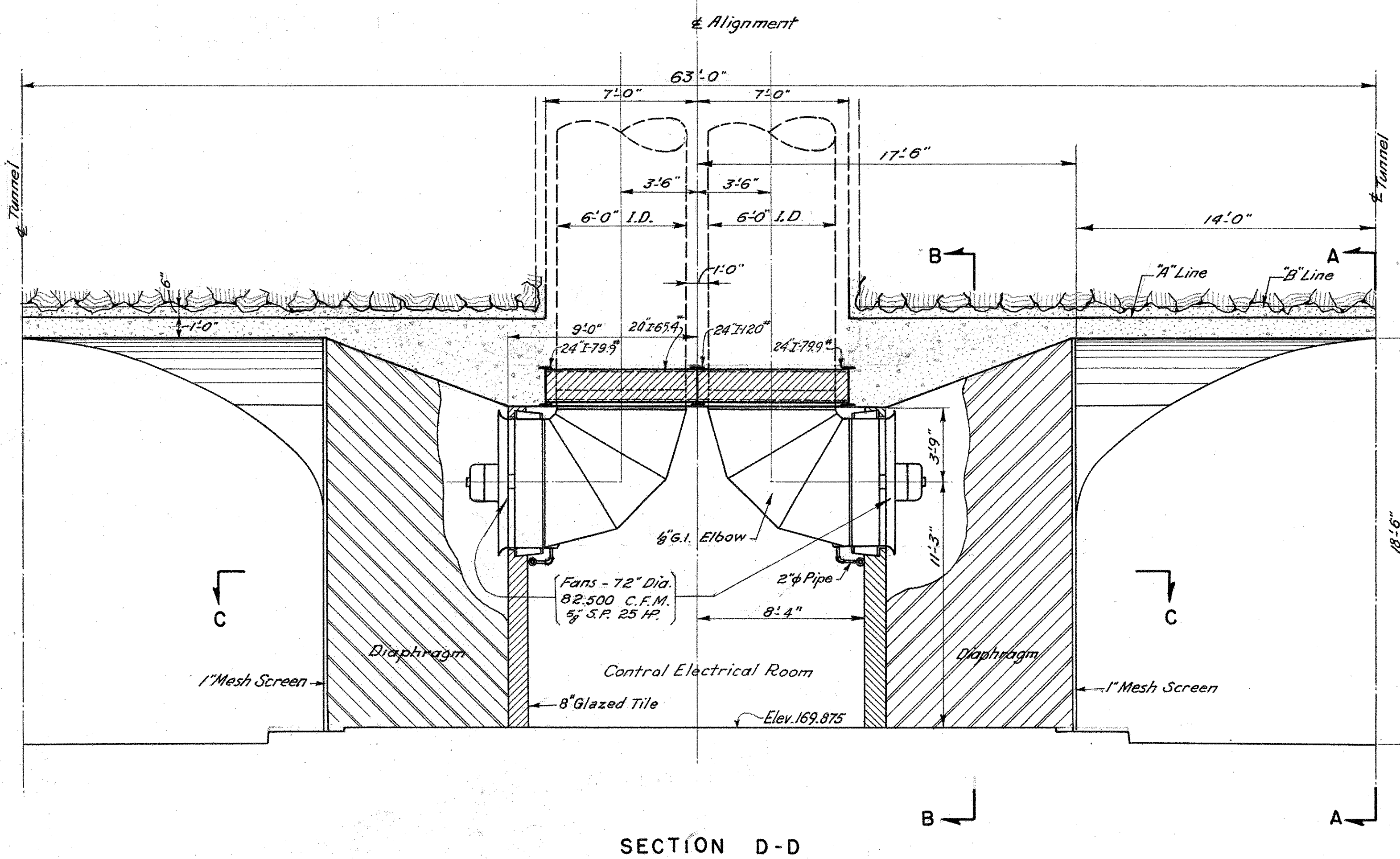
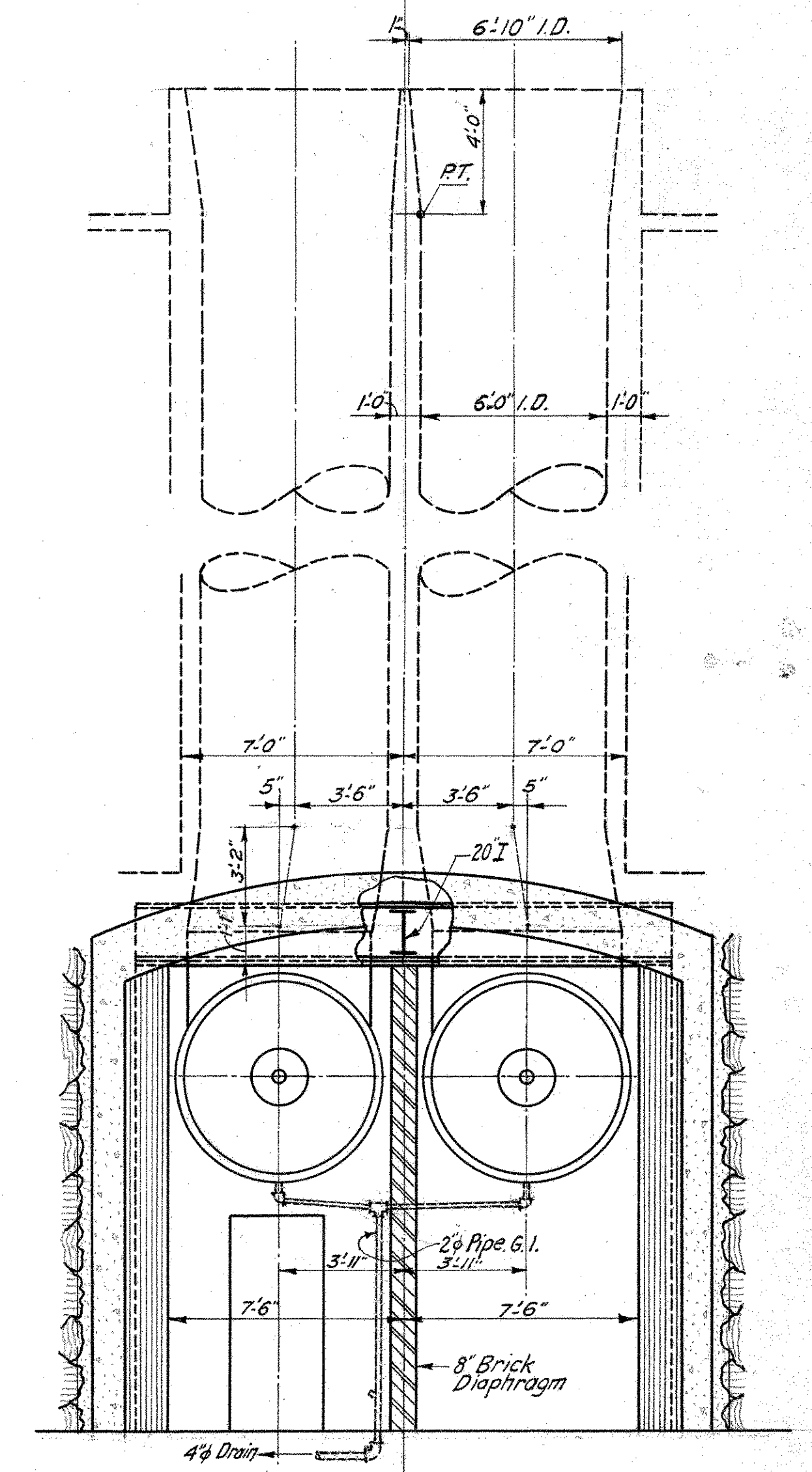
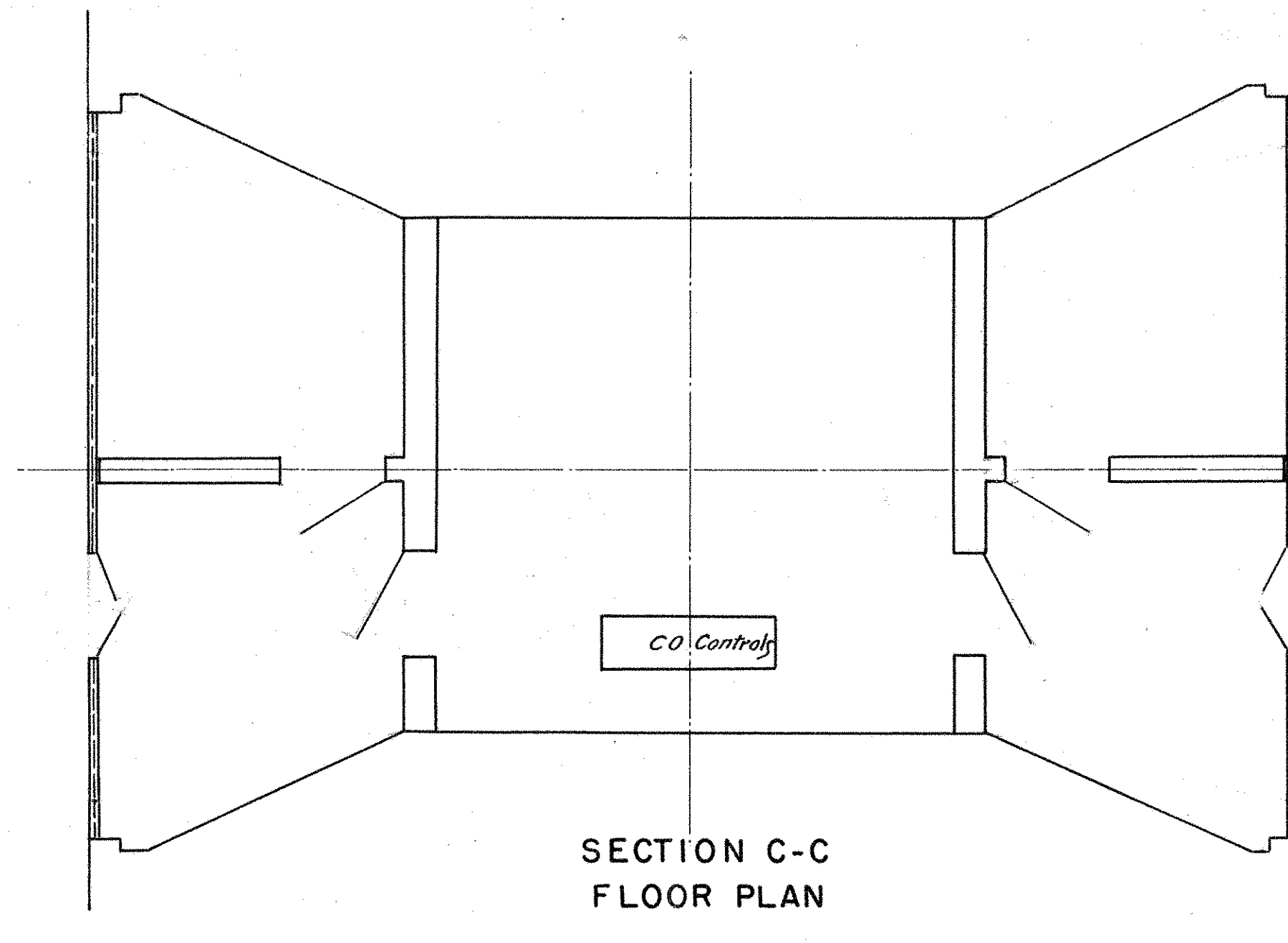
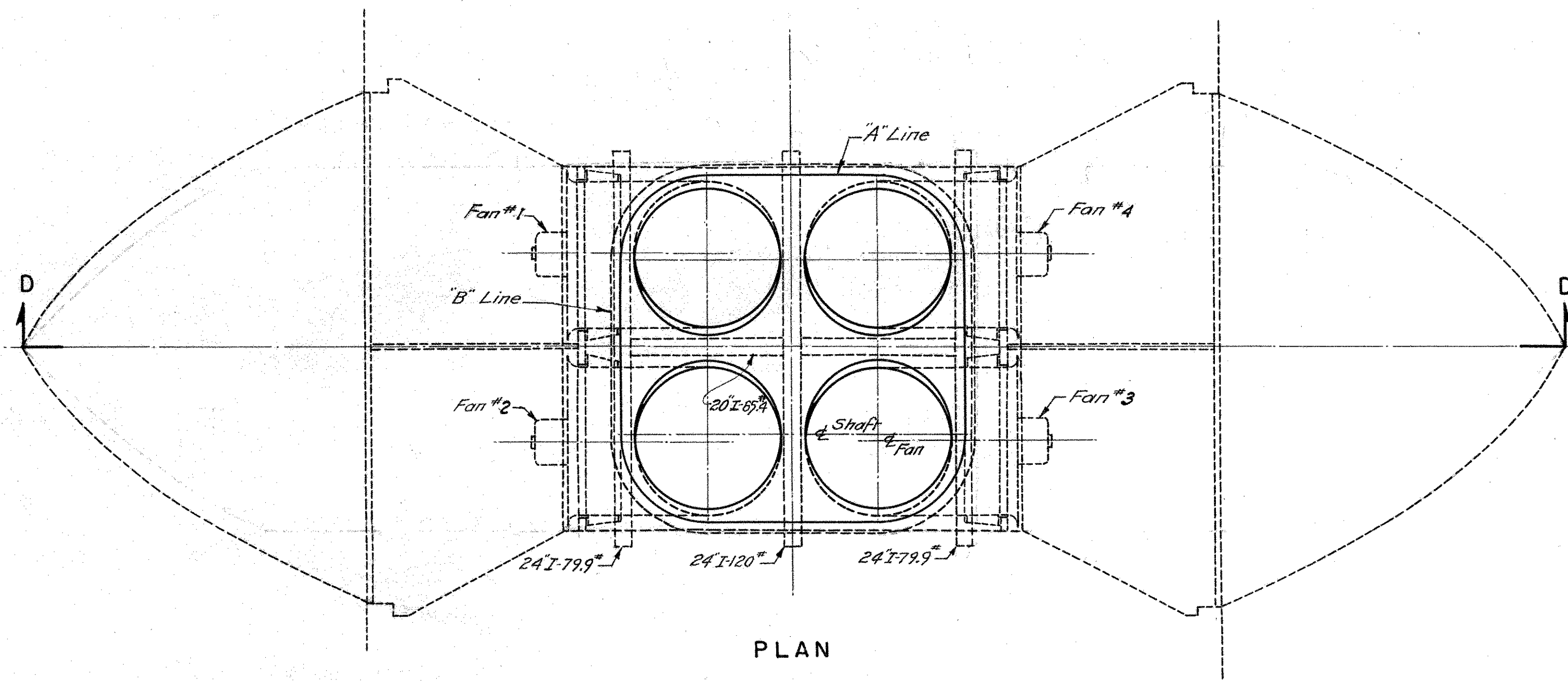
WILBUR CROSS PARKWAY WEST ROCK TUNNEL VENTILATING HOUSE FRAMING PLAN

PARSONS, BRINGERHOFF HOGAN & MACDONALD

ENGINEERS	NEW YORK, N.Y.
SCALE As Shown	PROJECT NO.
MADE BY P.C.	TUNNEL SHEET NO.
CHECKED BY G.Y.	32 of 44
APPROVED	DATE

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		46	73

PROJECT NO. 185-90



SECTION B-B

SECTION A-A

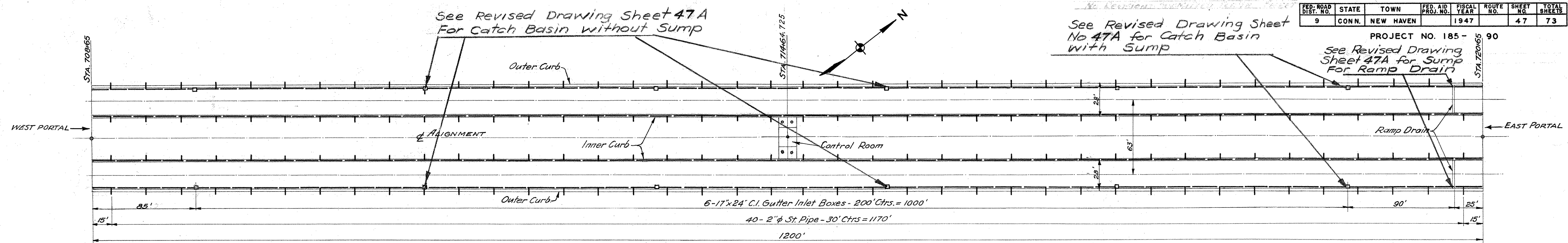
SECTION D-D

CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL CONTROL ROOM	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE 1/4" = 1'-0"	PROJECT NO.
MADE BY J.P.	
CHECKED BY S.R.A.P.	TUNNEL SHEET NO.
APPROVED _____ DATE _____	33 OF 44

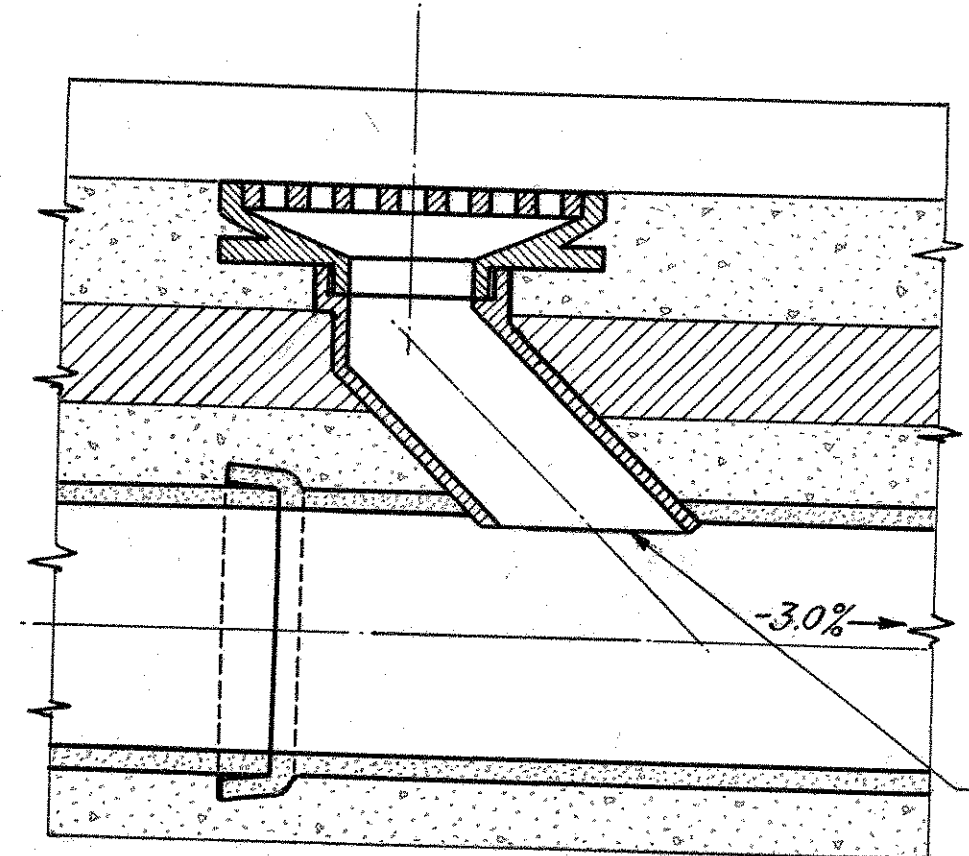
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		47	73

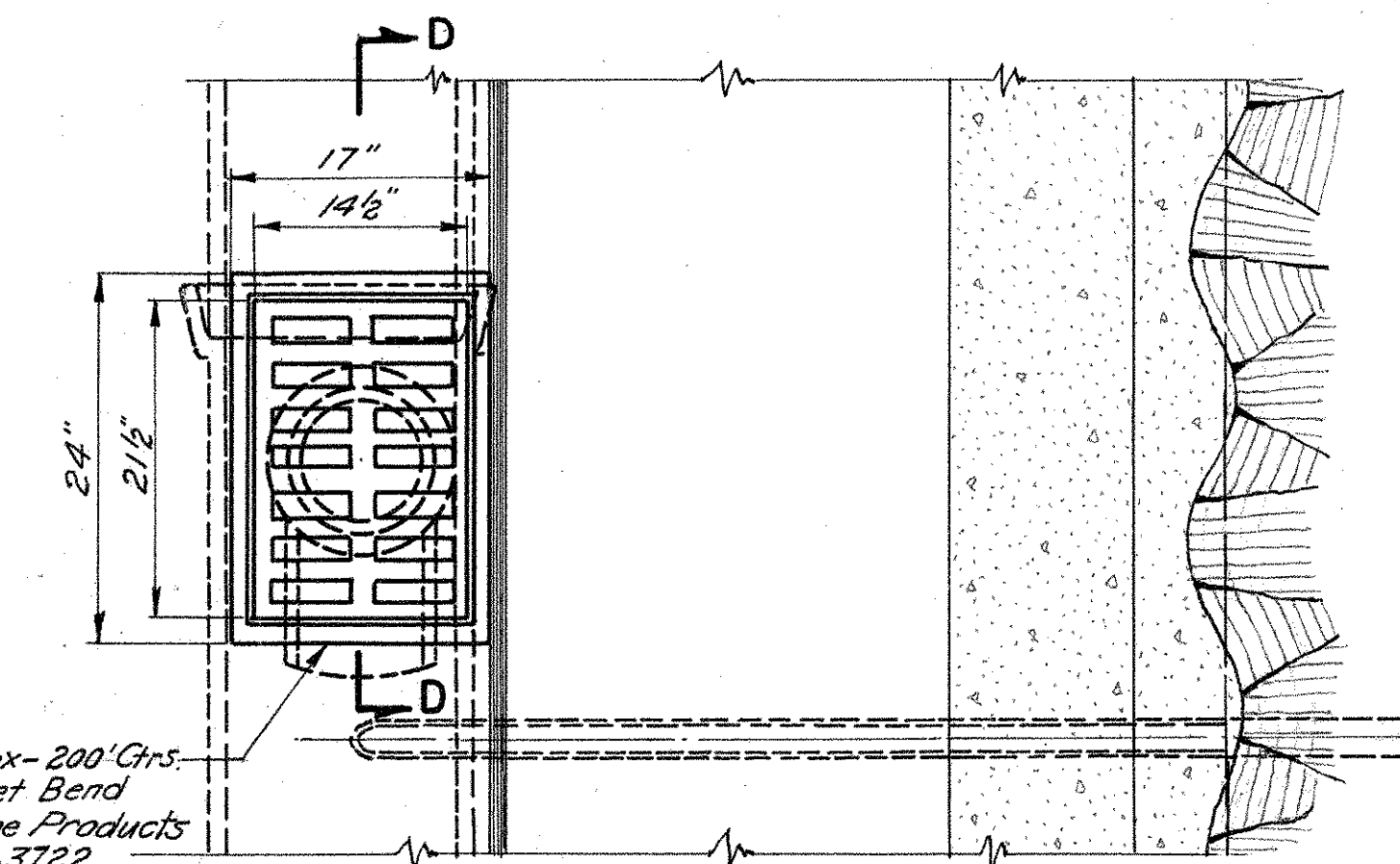
PROJECT NO. 185 - 90



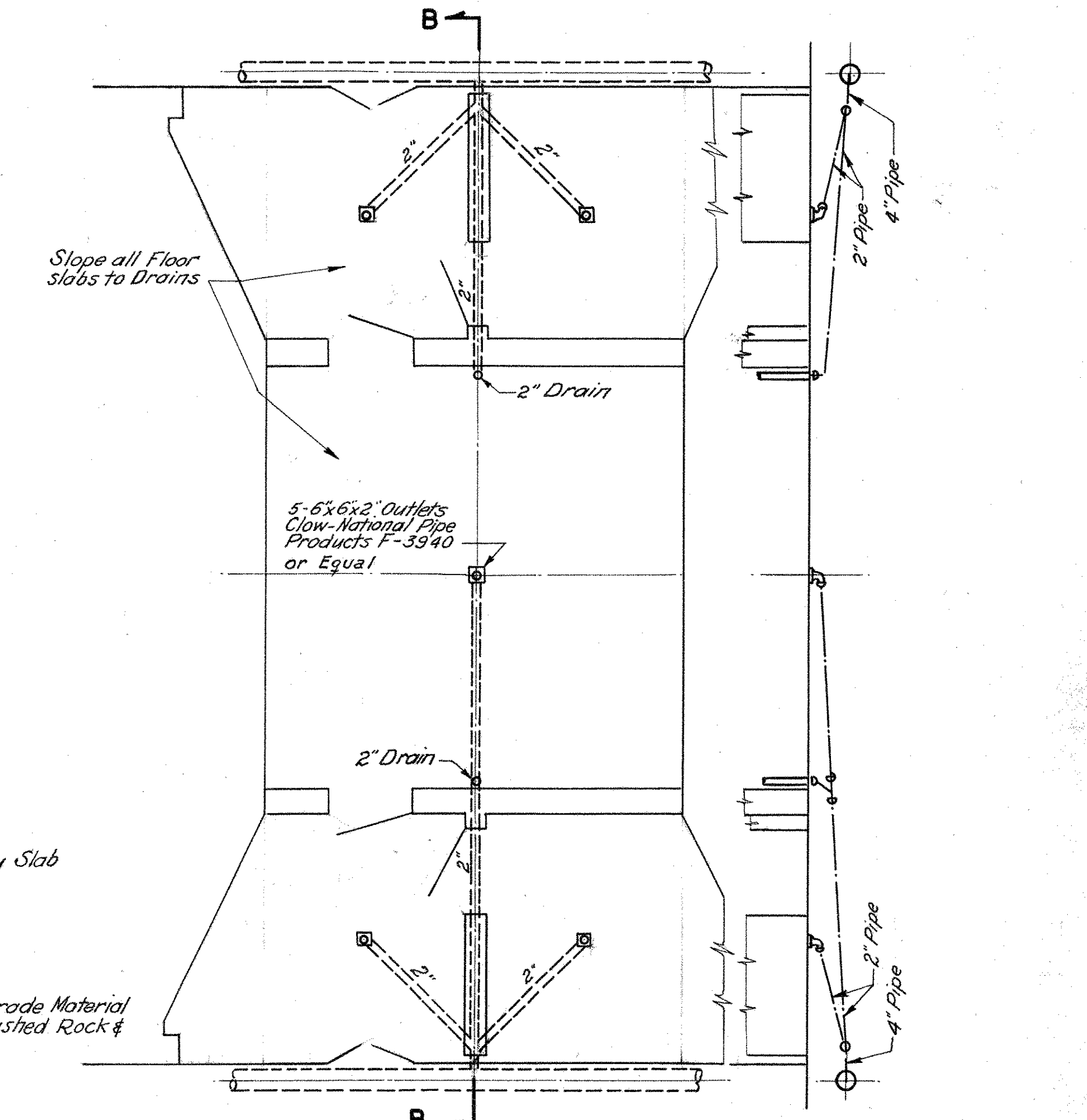
GENERAL PLAN
Scale in Feet



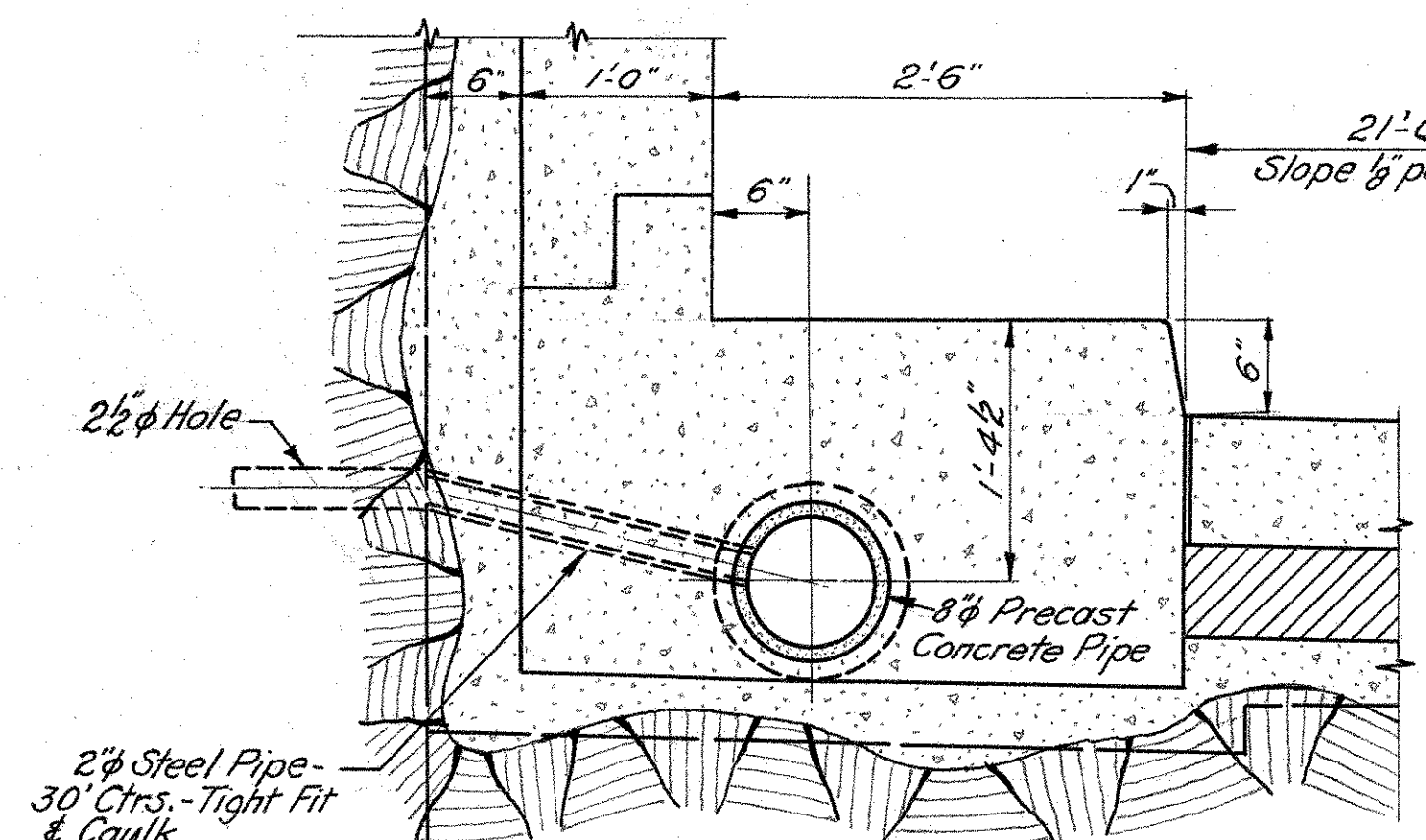
SECTION D D



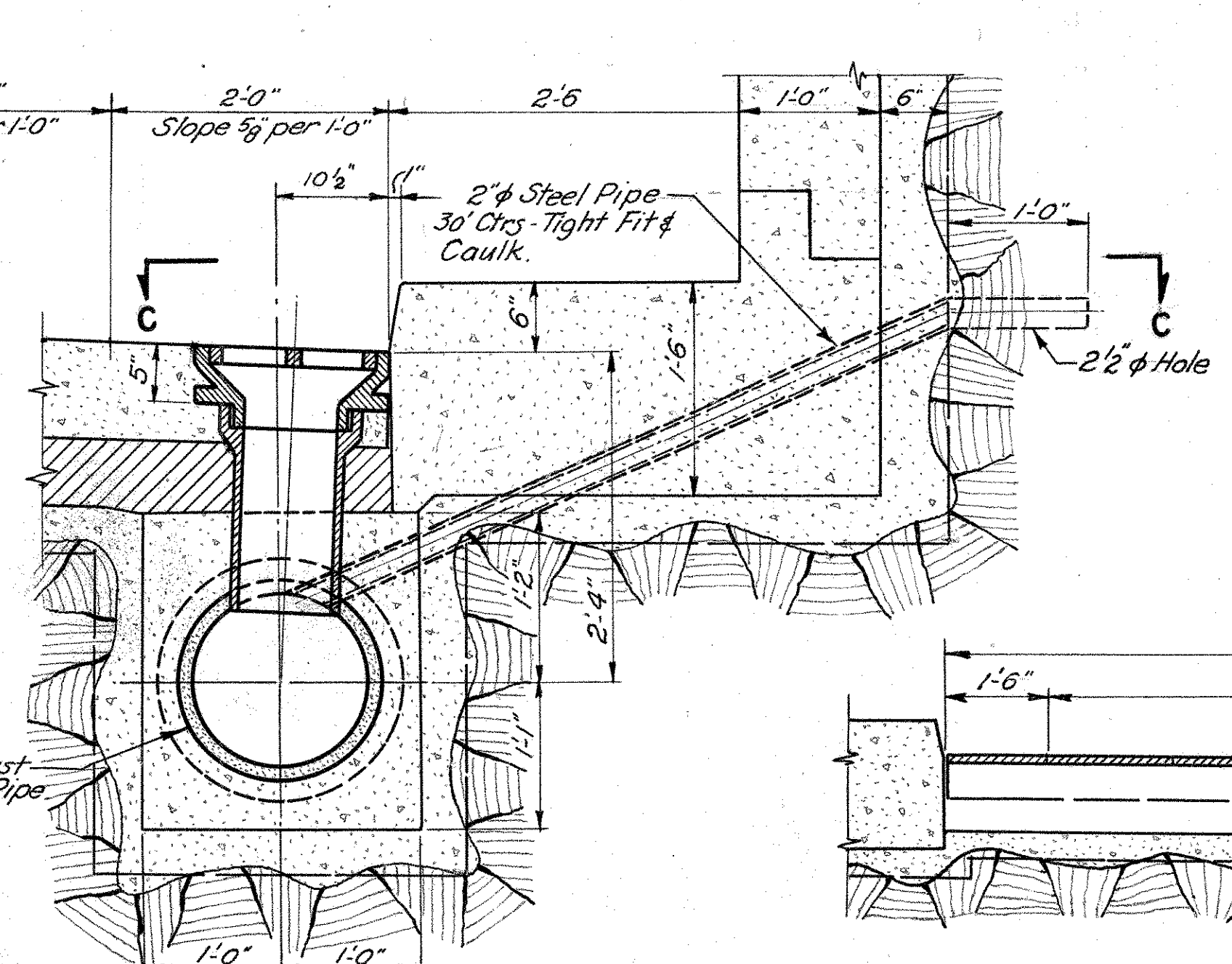
SECTION C C



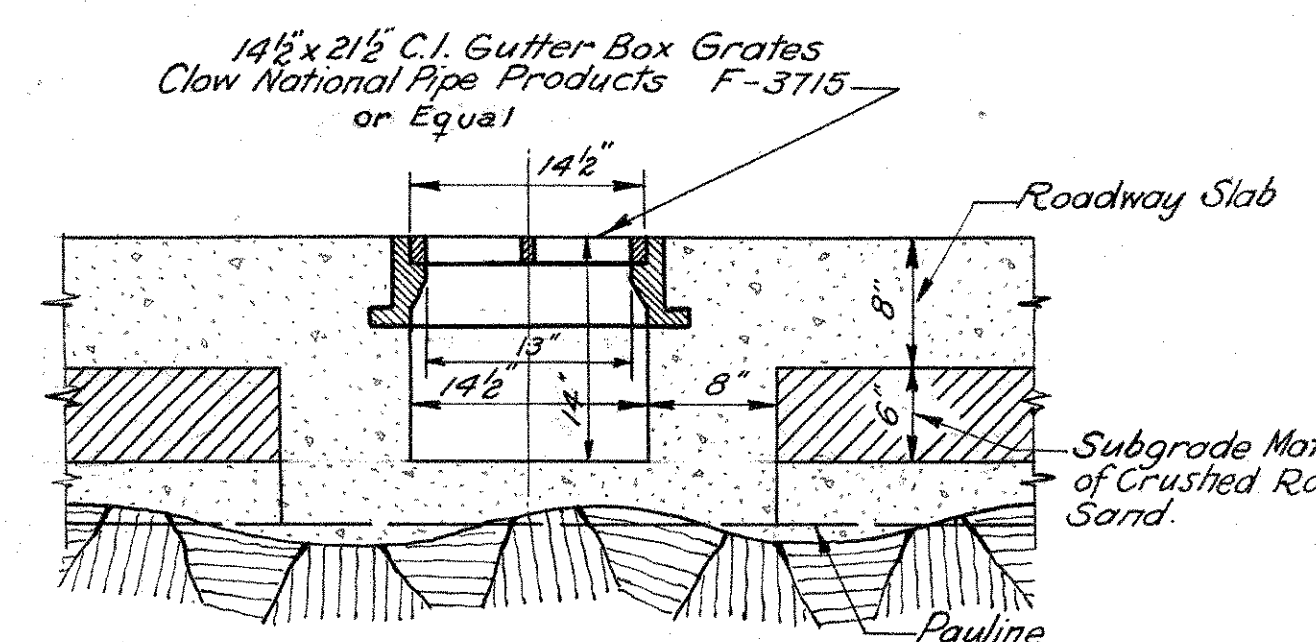
CONTROL ROOM
Scale: 1/4" = 1'-0"



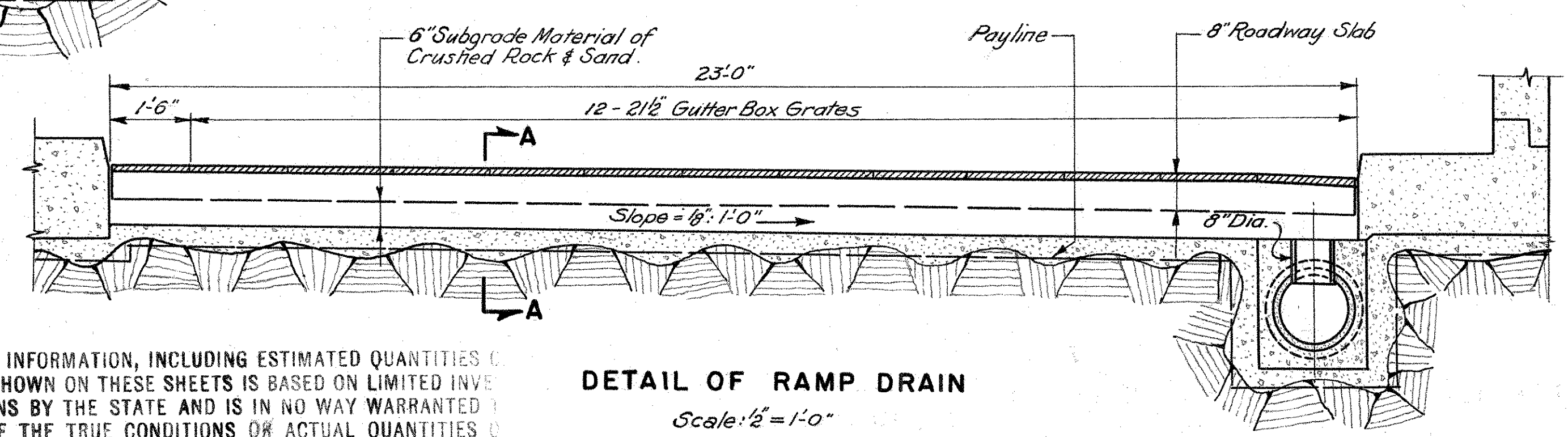
CURB DETAILS
Scale: 1" = 1'-0"



OUTER CURB



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



DETAIL OF RAMP DRAIN
Scale: 1/2" = 1'-0"

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CONNECTICUT STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY WEST ROCK TUNNEL DRAINAGE

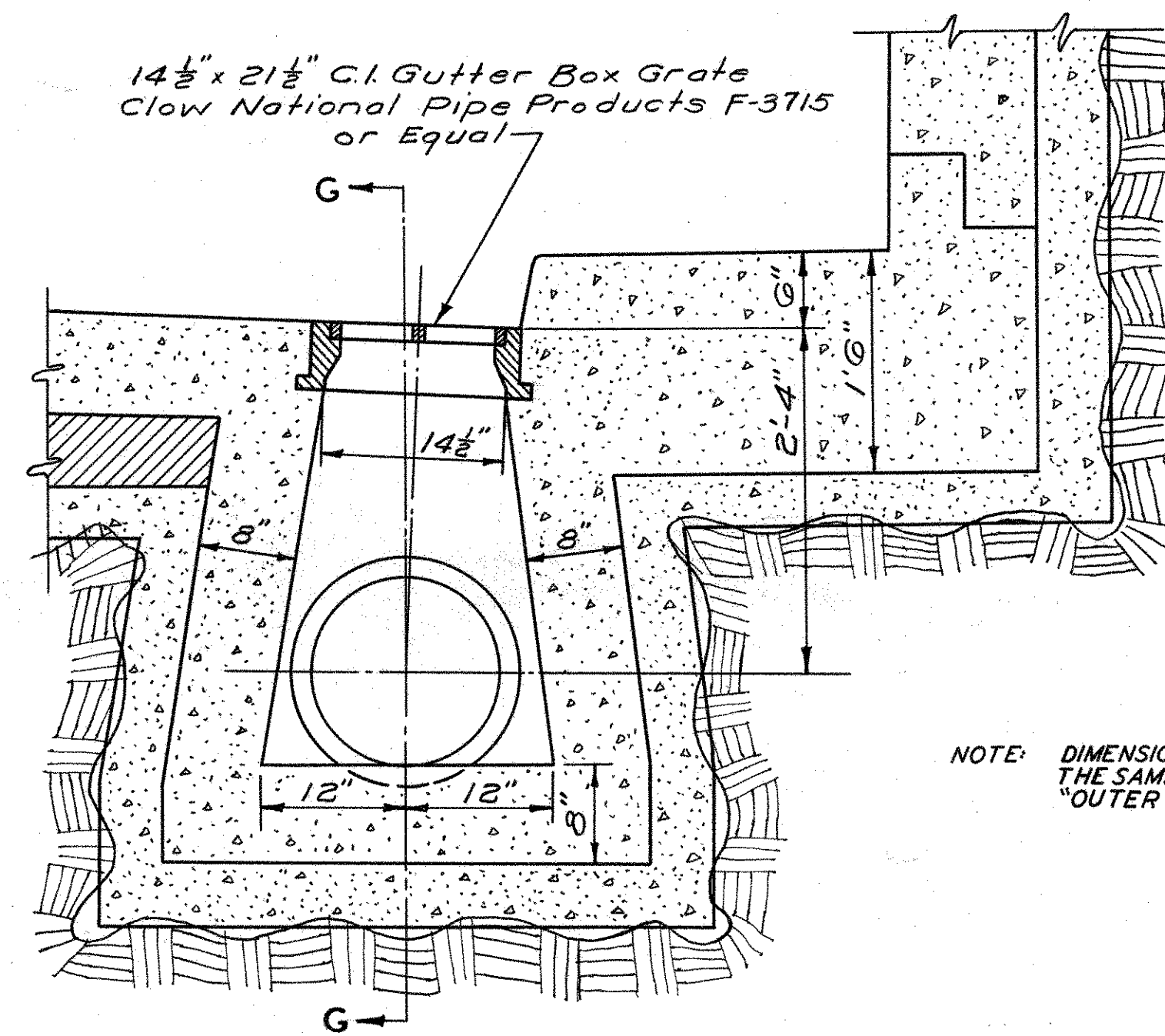
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.

SCALE: AS NOTED PROJECT NO. _____

MADE BY: J.P. TUNNEL SHEET NO. _____

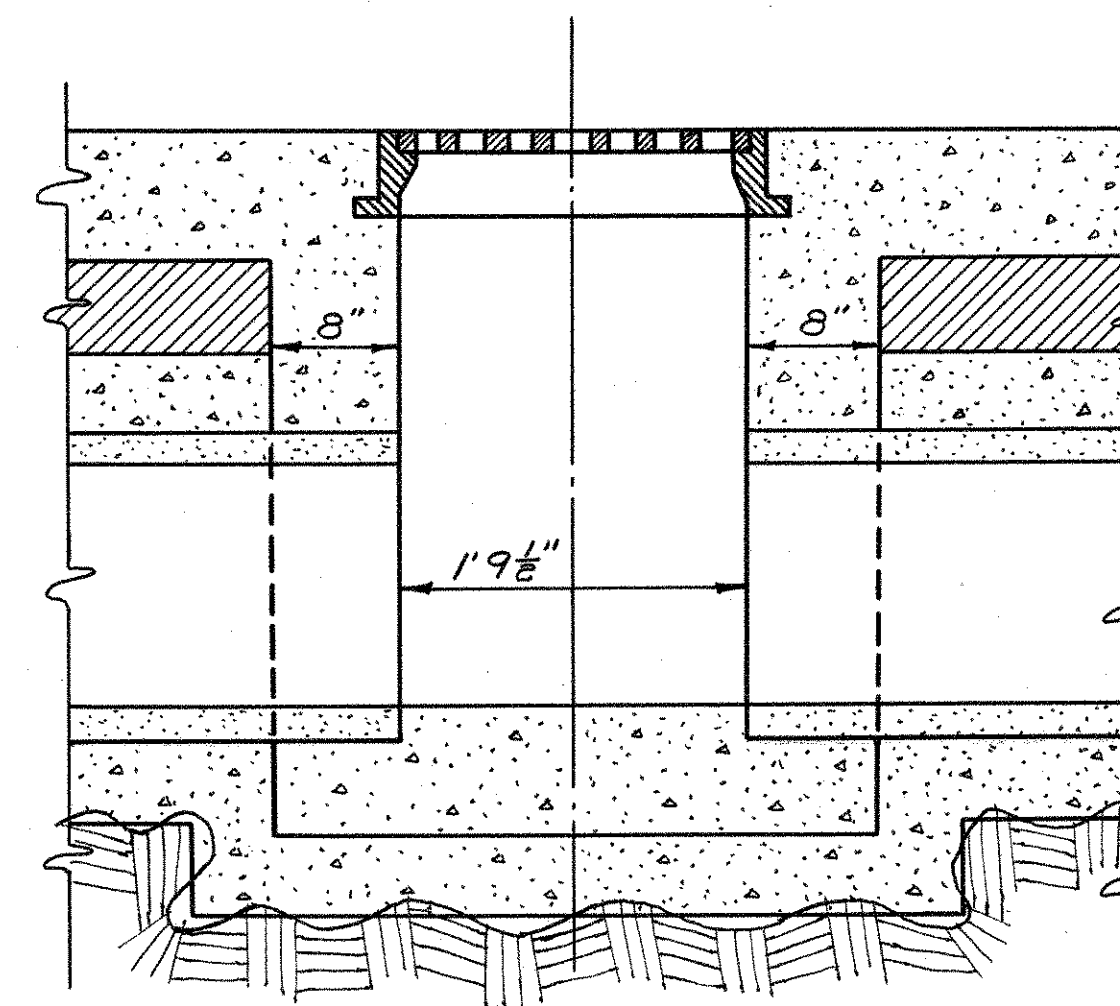
CHECKED BY: S.R. Apt. 34 of 44

APPROVED: _____ DATE: _____

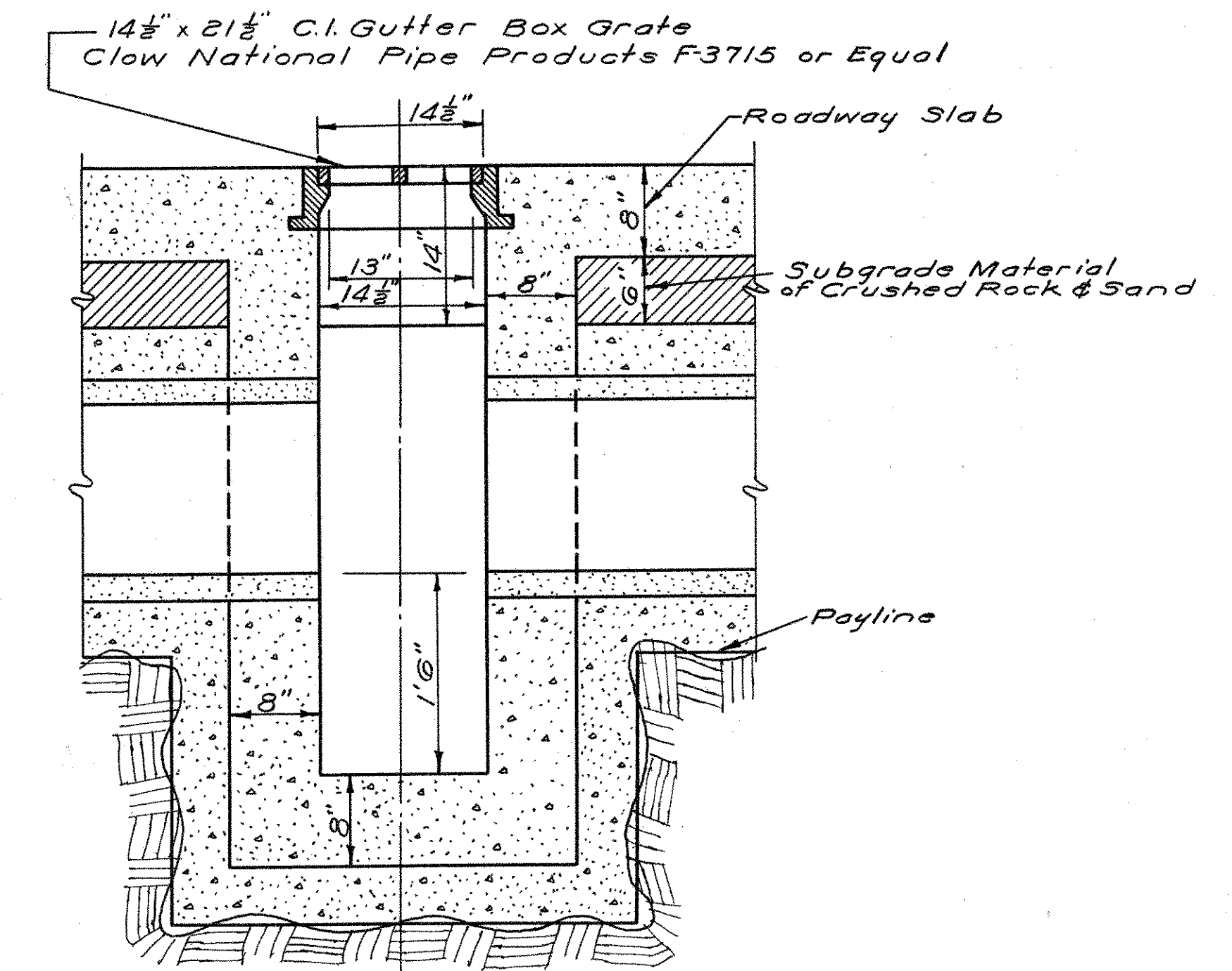


NOTE: DIMENSIONS NOT SHOWN ARE THE SAME AS IN DRAWING FOR "OUTER CURB."

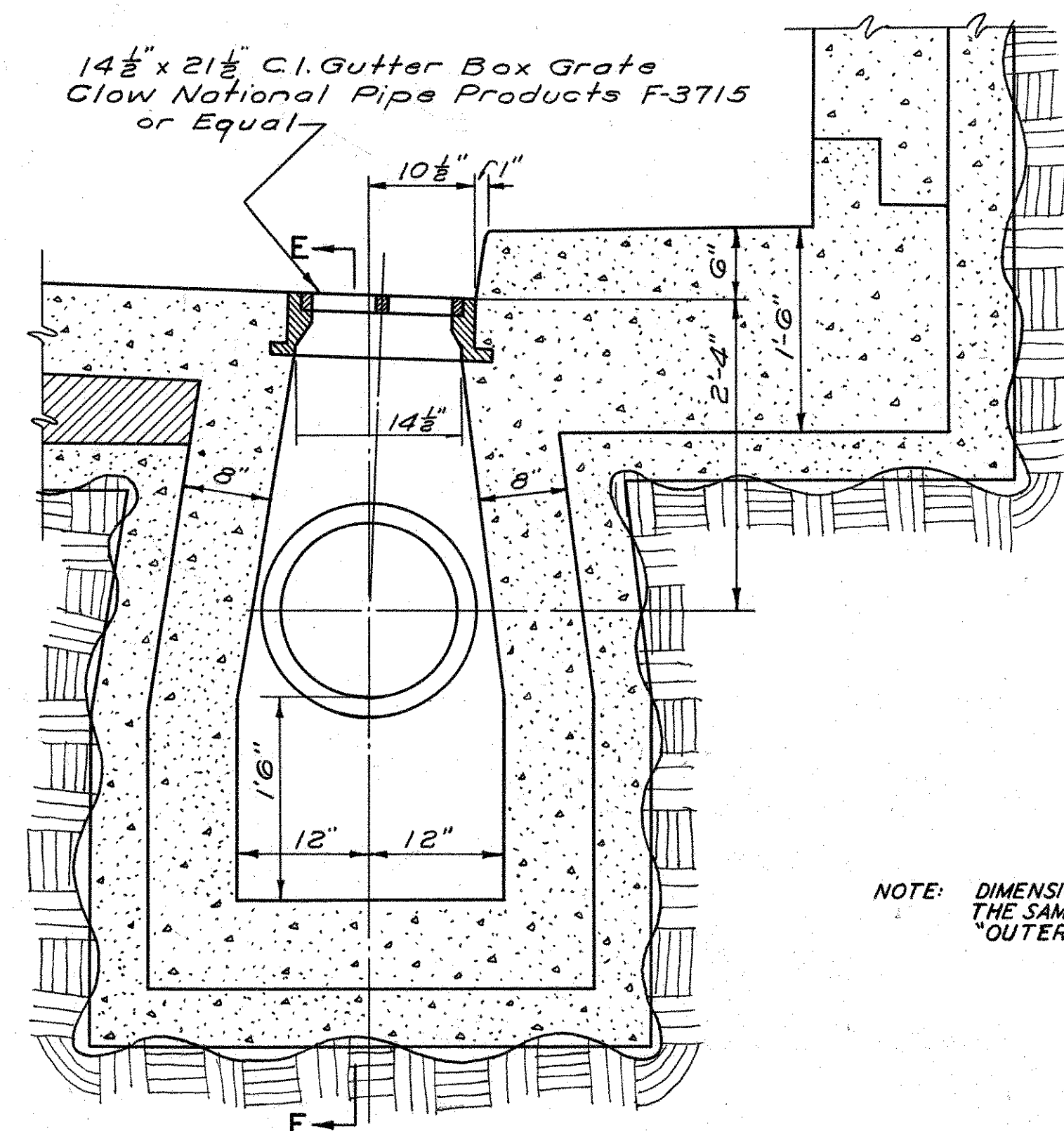
DETAIL OF CATCH BASIN WITHOUT SUMP
Scale 1" = 1'-0"



SECTION G-G

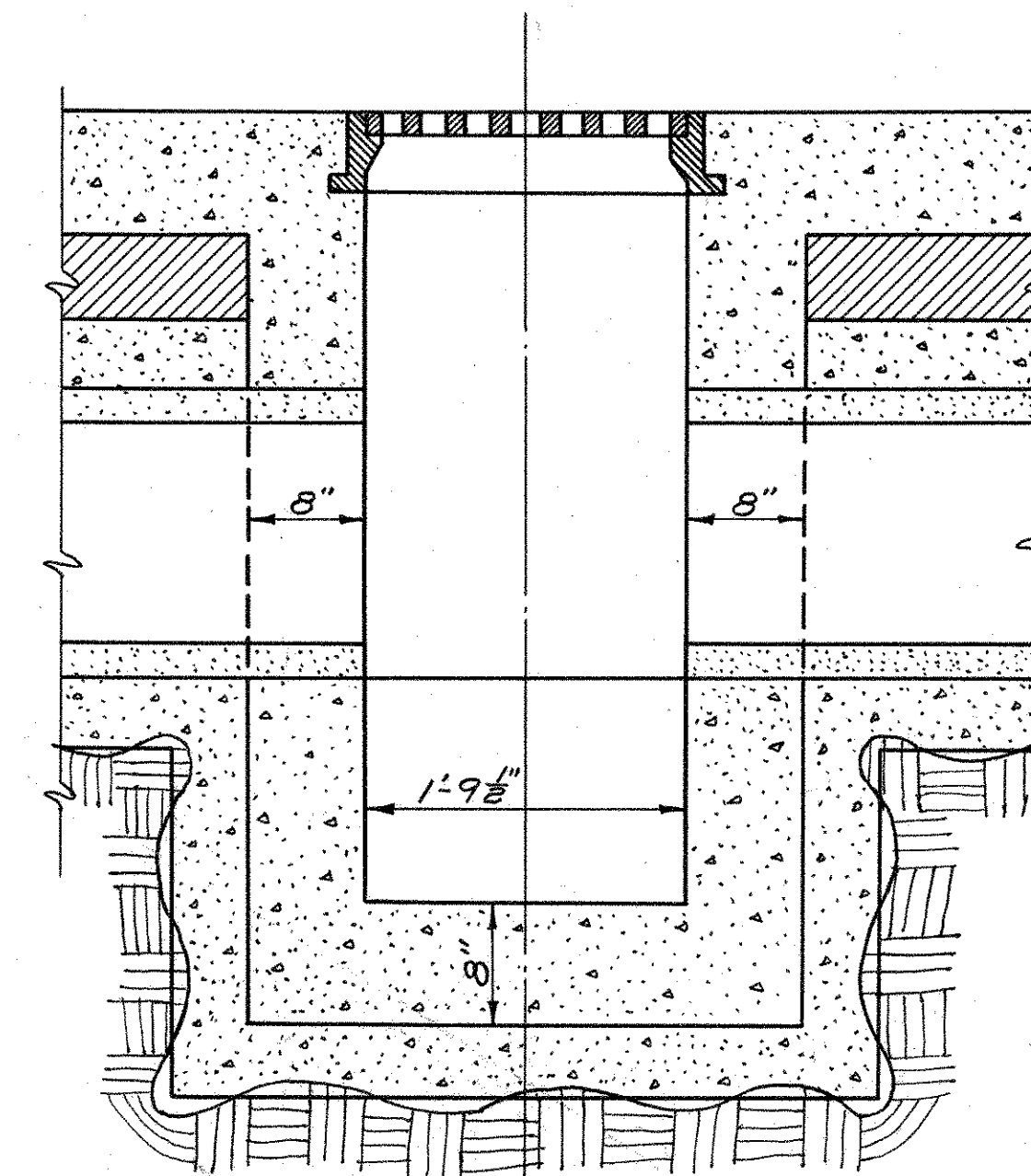


SECTION F-F
Scale 1" = 1'-0"

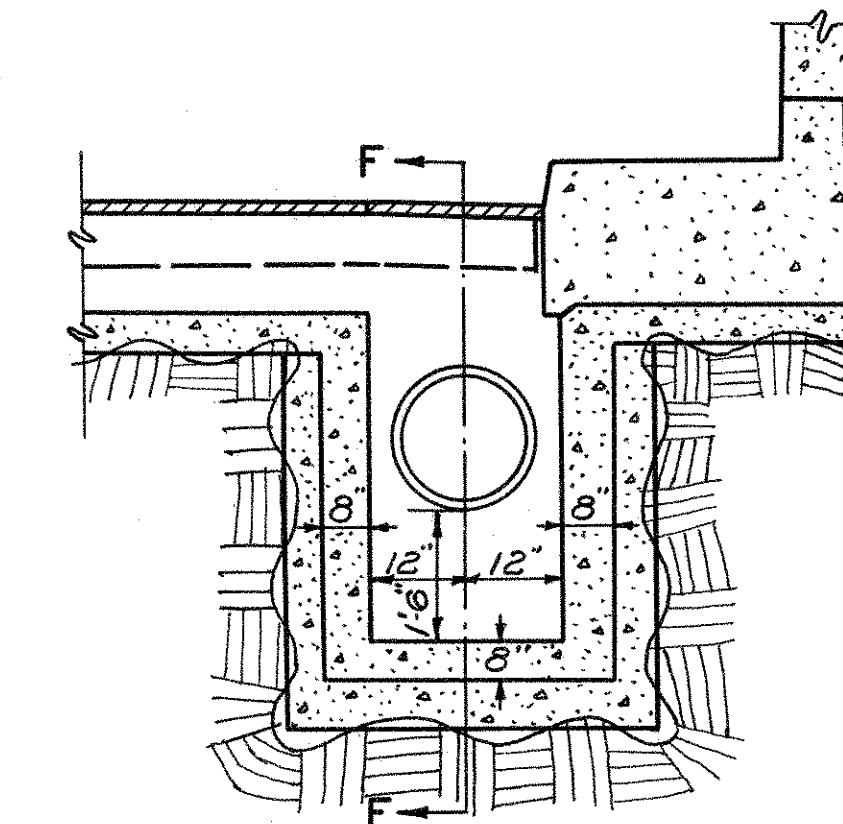


NOTE: DIMENSIONS NOT SHOWN ARE THE SAME AS IN DRAWING FOR "OUTER CURB."

DETAIL OF CATCH BASIN WITH SUMP
Scale 1" = 1'-0"



SECTION E-E



DETAIL OF SUMP FOR RAMP DRAIN
Scale 1/2" = 1'-0"

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CONNECTICUT
STATE HIGHWAY DEPARTMENT

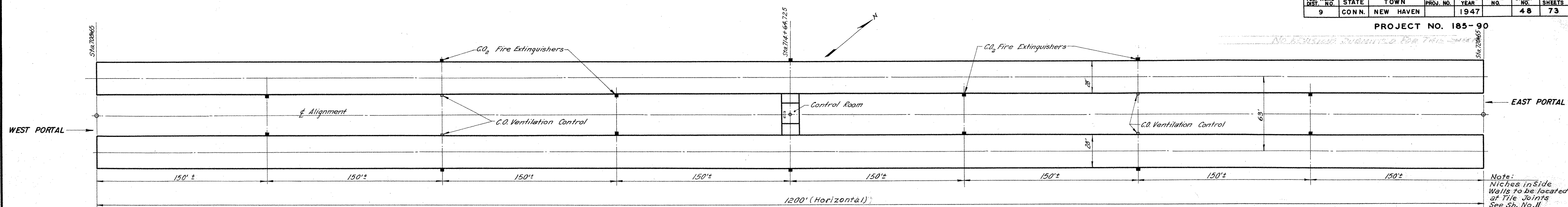
WILBUR CROSS PARKWAY
WEST ROCK TUNNEL

DRAINAGE REVISIONS

SCALES AS NOTED	NUMBER
MADE BY M. Kramer DATE 12-22-47	185-90
CHECKED BY _____ DATE _____	SHEET NO.
APPROVED _____ DATE _____	34 A OF 44

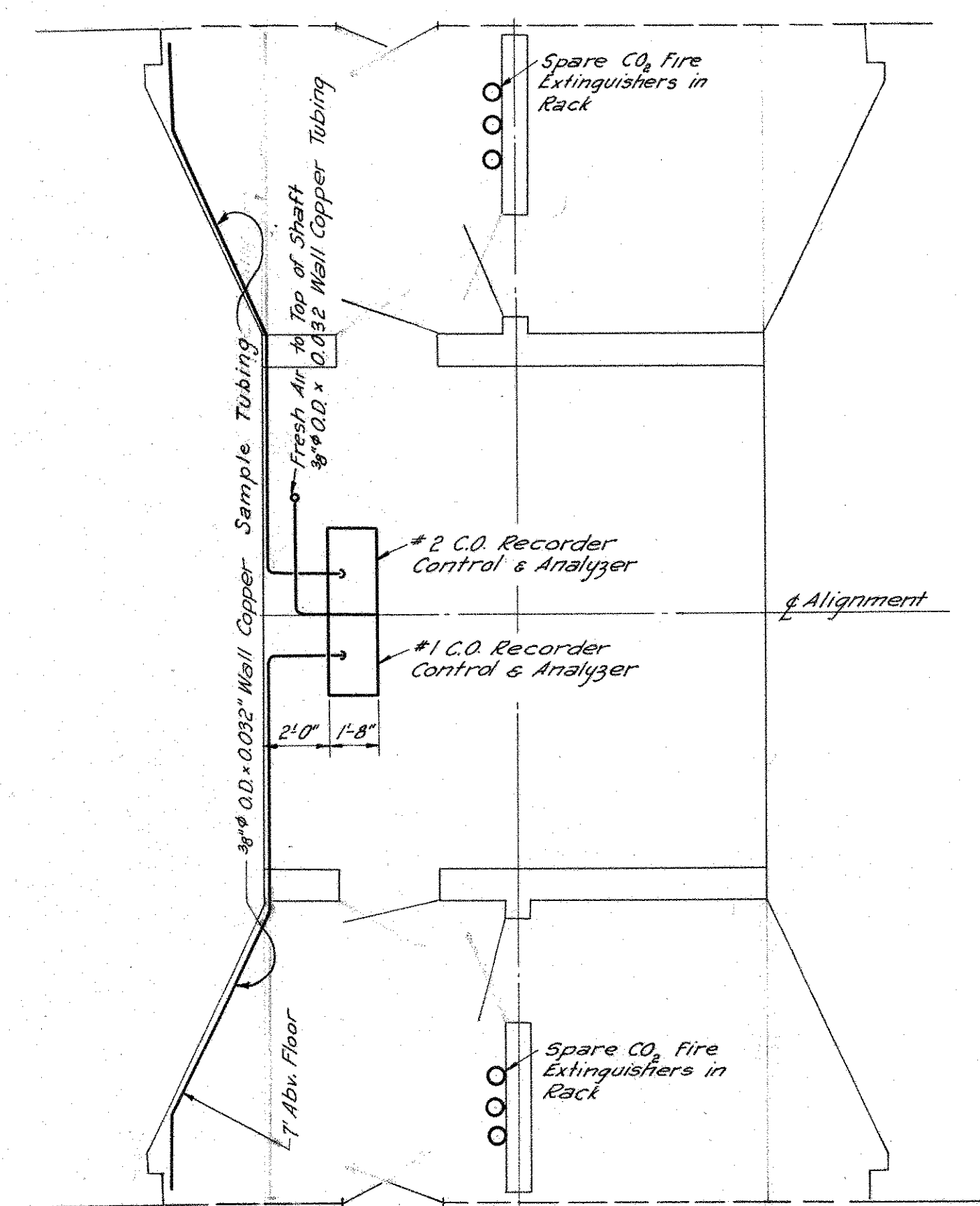
FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		48	73

PROJECT NO. 185-90

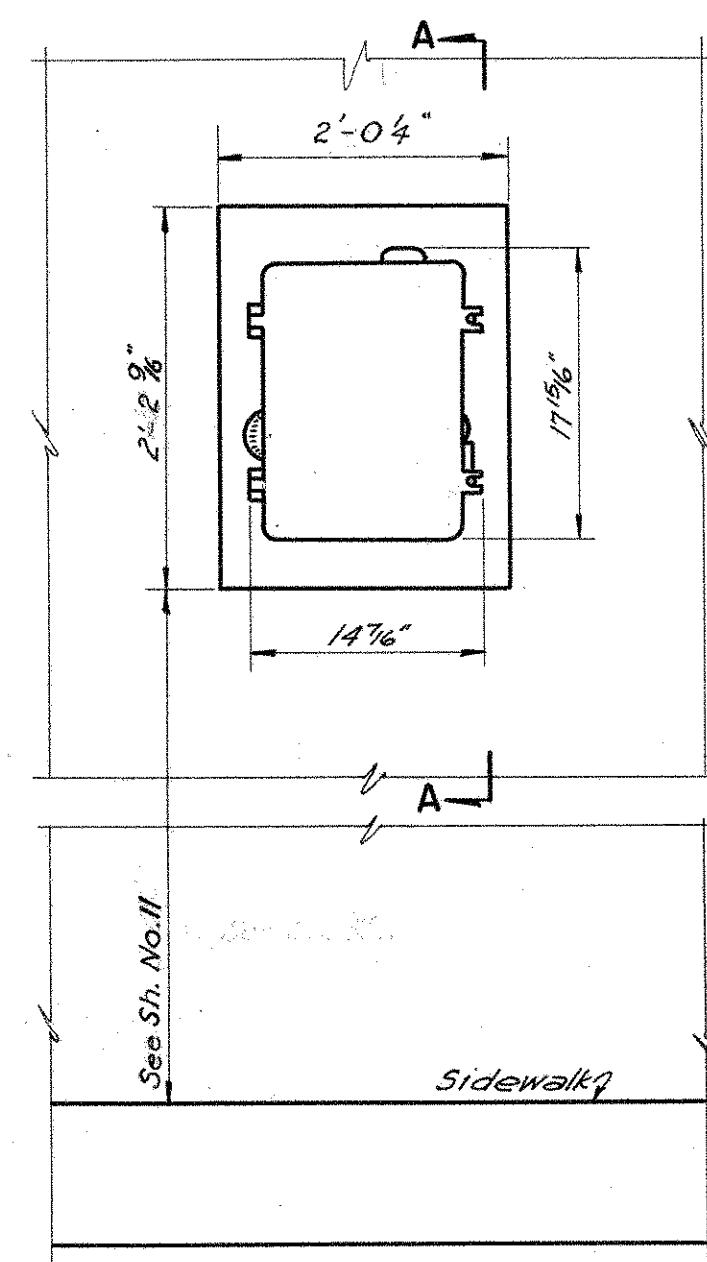


GENERAL PLAN
SCALE IN FEET
0 40 80

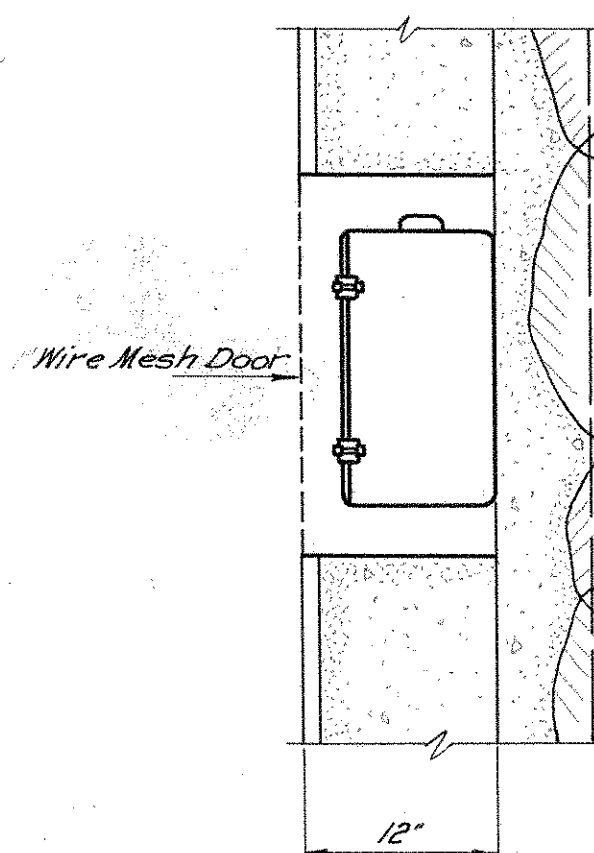
Note: Niches inside Walls to be located at Tile Joints See Sh. No. II



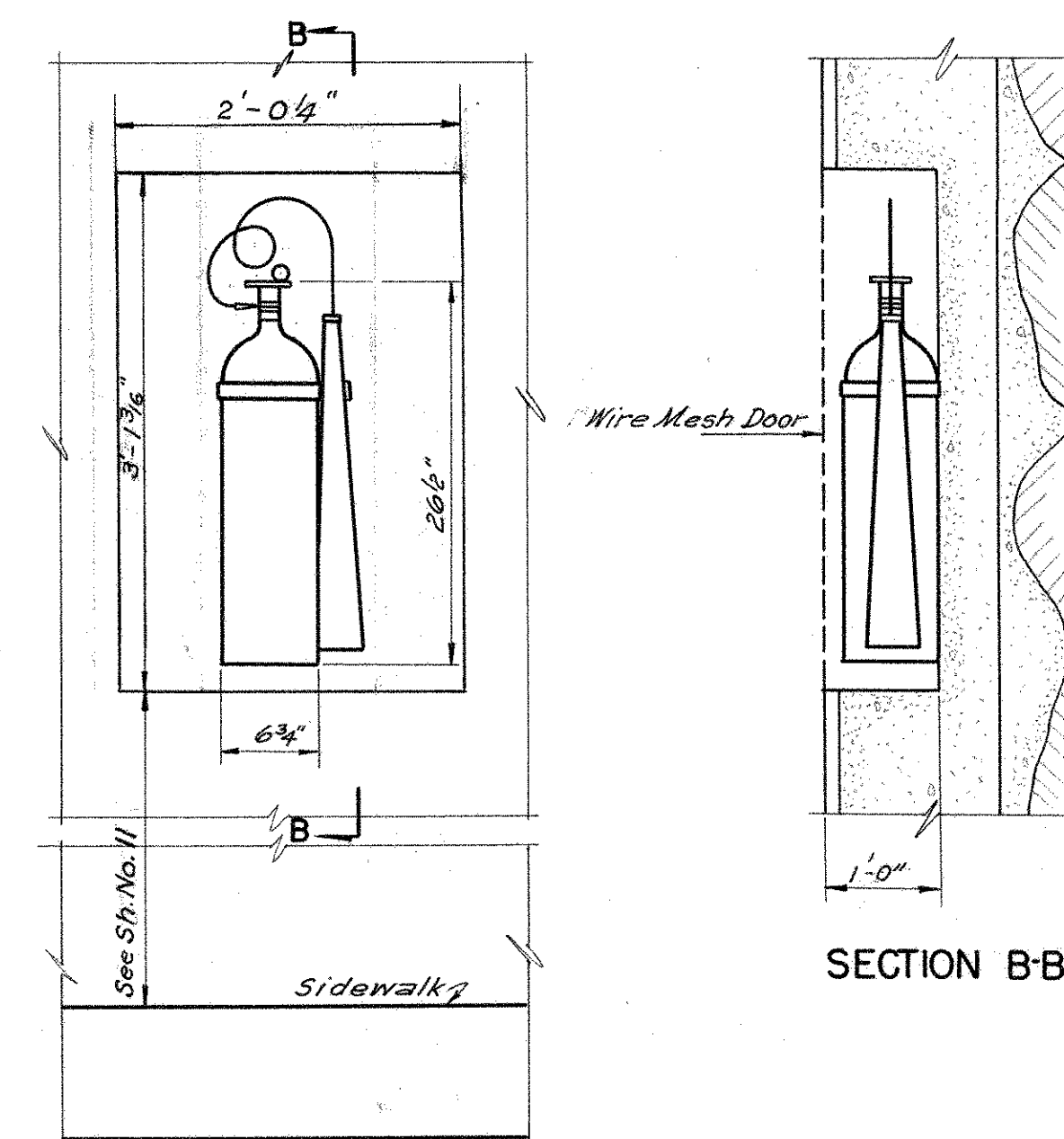
PLAN CONTROL ROOM
Scale: 4" = 1'-0"



DETAIL OF CO VENTILATION CONTROL NICHE
Scale: 1" = 1'-0"



SECTION A-A



DETAIL OF CO₂ FIRE EXTINGUISHER NICHE
Scale: 1" = 1'-0"

SECTION B-B

For Detail of Doors for Niches See Sheet No. II

CONNECTICUT STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
VENTILATION

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD

ENGINEERS NEW YORK, N.Y.

SCALE: AS NOTED PROJECT NO.

MADE BY S.S. TUNNEL SHEET NO.

CHECKED BY S.R. Apt. DATE 35 OF 44

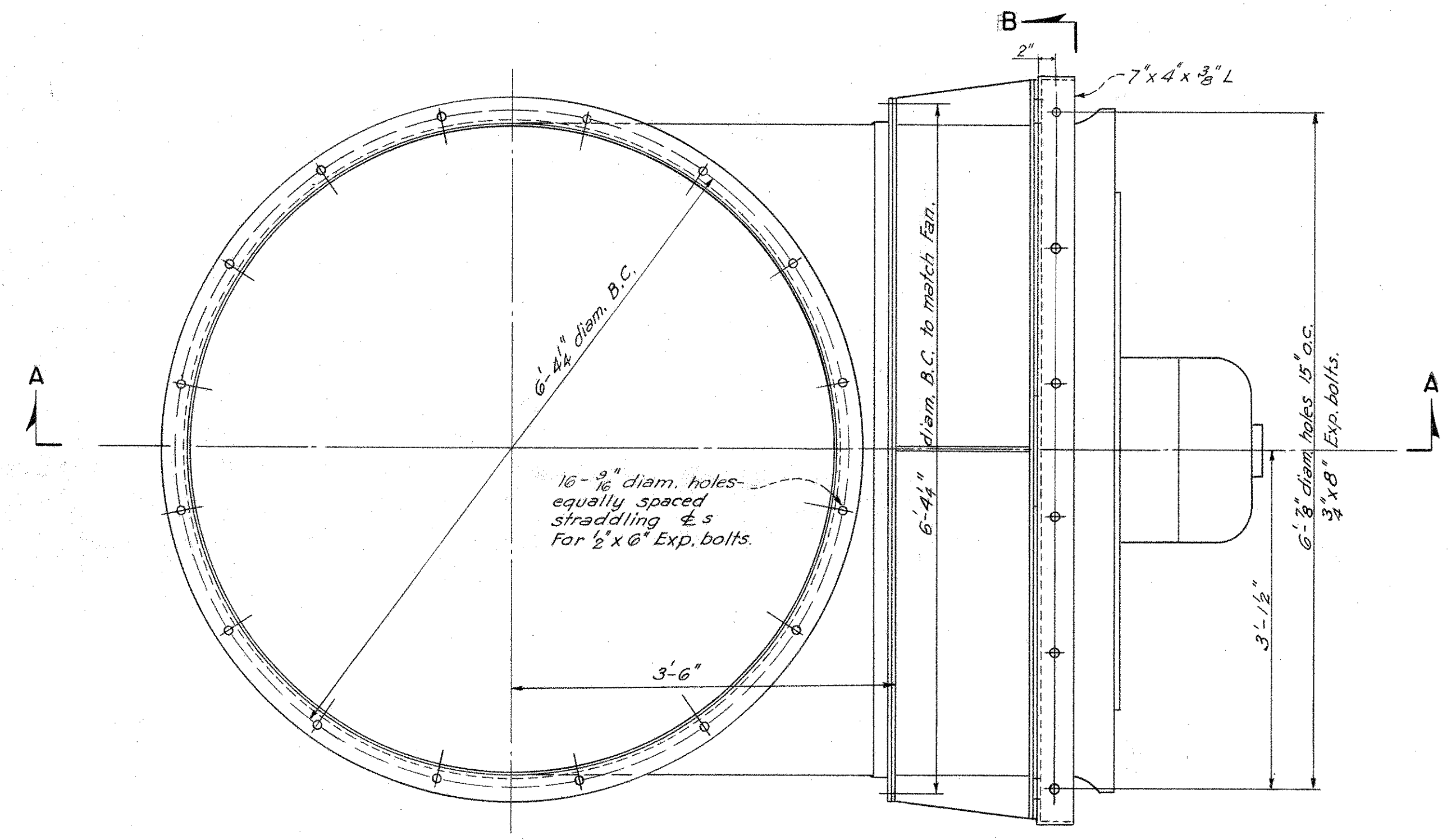
APPROVED DATE

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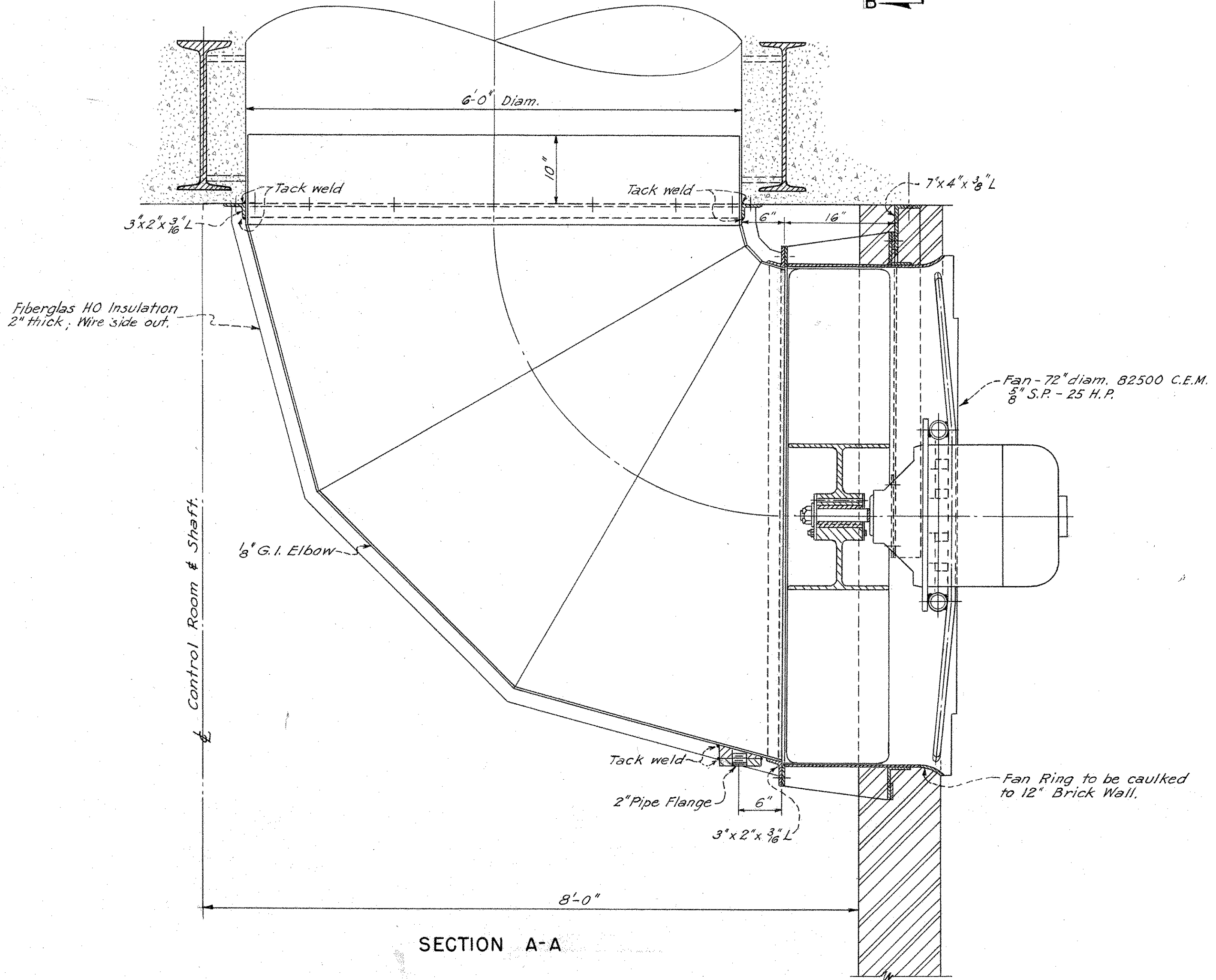
FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		49	73

PROJECT NO. 185-90

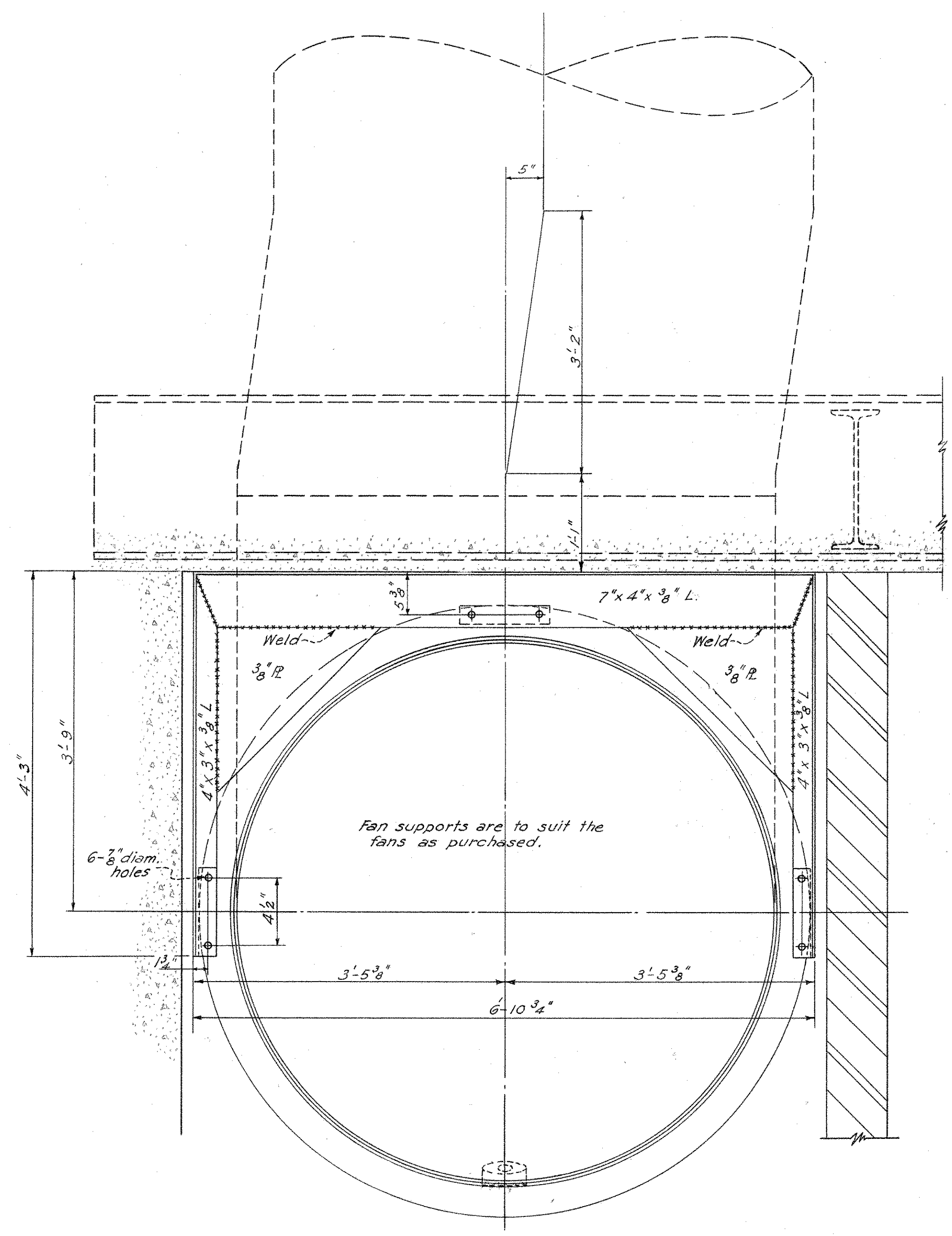
No Revision Permitted For This Sheet



PLAN



SECTION A-A



SECTION B-B

**CONNECTICUT
STATE HIGHWAY DEPARTMENT**

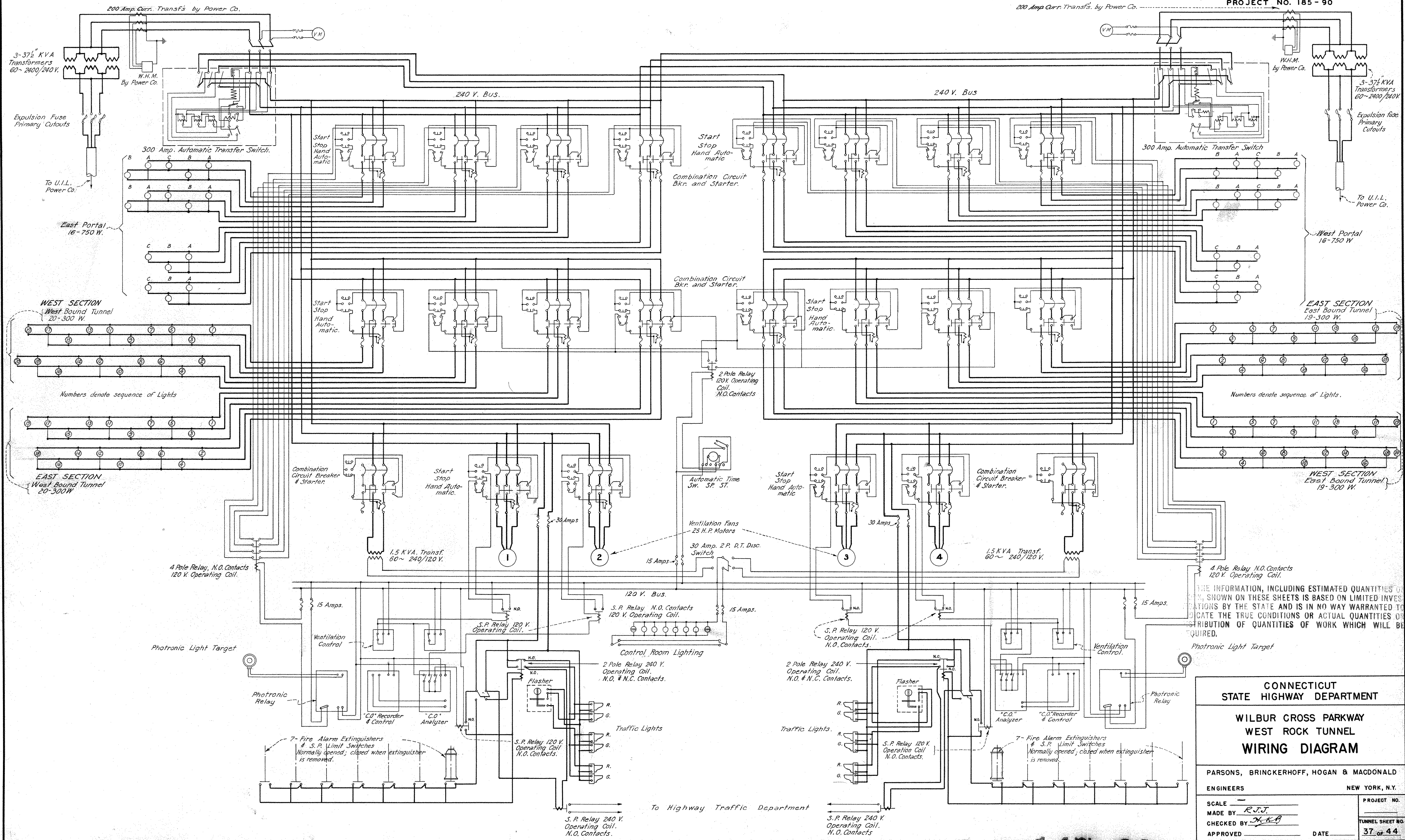
**WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
DETAILS OF FAN**

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD
ENGINEERS
NEW YORK, N.Y.

SCALE: 1" = 1'-0"
MADE BY: S.S.
CHECKED BY: S.R. Act
APPROVED: _____ DATE: _____

PROJECT NO. _____
TUNNEL SHEET NO. **36** OF 44

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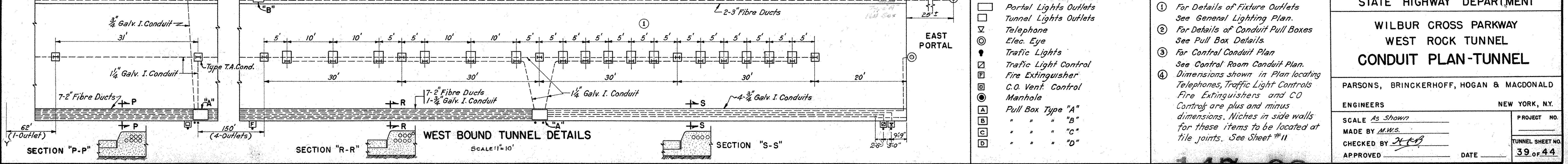
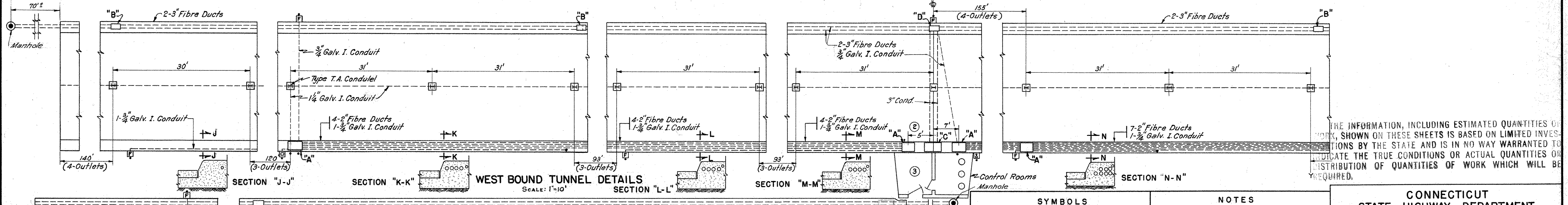
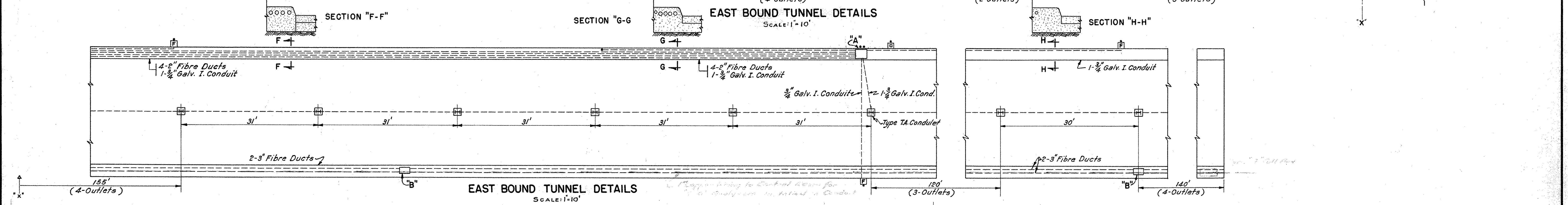
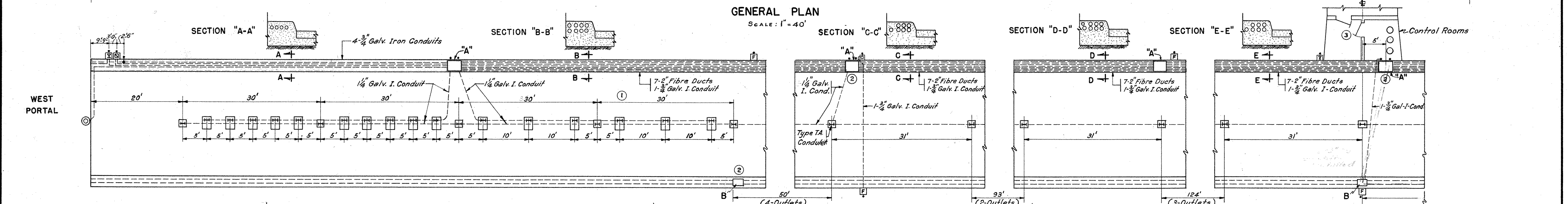
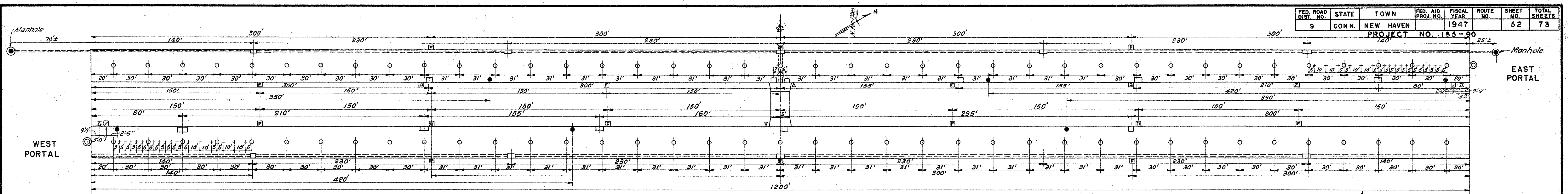
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**CONNECTICUT
STATE HIGHWAY DEPARTMENT**

**WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
WIRING DIAGRAM**

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD
ENGINEERS
NEW YORK, N.Y.

SCALE _____ PROJECT NO. _____
MADE BY *R.J.J.* TUNNEL SHEET NO. _____
CHECKED BY *H.K.A.* APPROVED _____ DATE _____
37 of 44



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- SYMBOLS**
- Portal Lights Outlets
 - Tunnel Lights Outlets
 - ⊕ Telephone
 - ⊙ Elec. Eye
 - ⊙ Traffic Lights
 - ⊕ Traffic Light Control
 - ⊕ Fire Extinguisher
 - ⊕ C.O. Vent. Control
 - ⊕ Manhole
 - ⊕ Pull Box Type "A"
 - ⊕ " " " "B"
 - ⊕ " " " "C"
 - ⊕ " " " "D"

- NOTES**
- ① For Details of Fixture Outlets See General Lighting Plan.
 - ② For Details of Conduit Pull Boxes See Pull Box Details.
 - ③ For Control Conduit Plan See Control Room Conduit Plan.
 - ④ Dimensions shown in Plan locating Telephones, Traffic Light Controls, Fire Extinguishers and C.O. Controls are plus and minus dimensions. Niches in side walls for these items to be located at tile joints. See Sheet #11.

CONNECTICUT STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY WEST ROCK TUNNEL CONDUIT PLAN-TUNNEL

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD

ENGINEERS NEW YORK, N.Y.

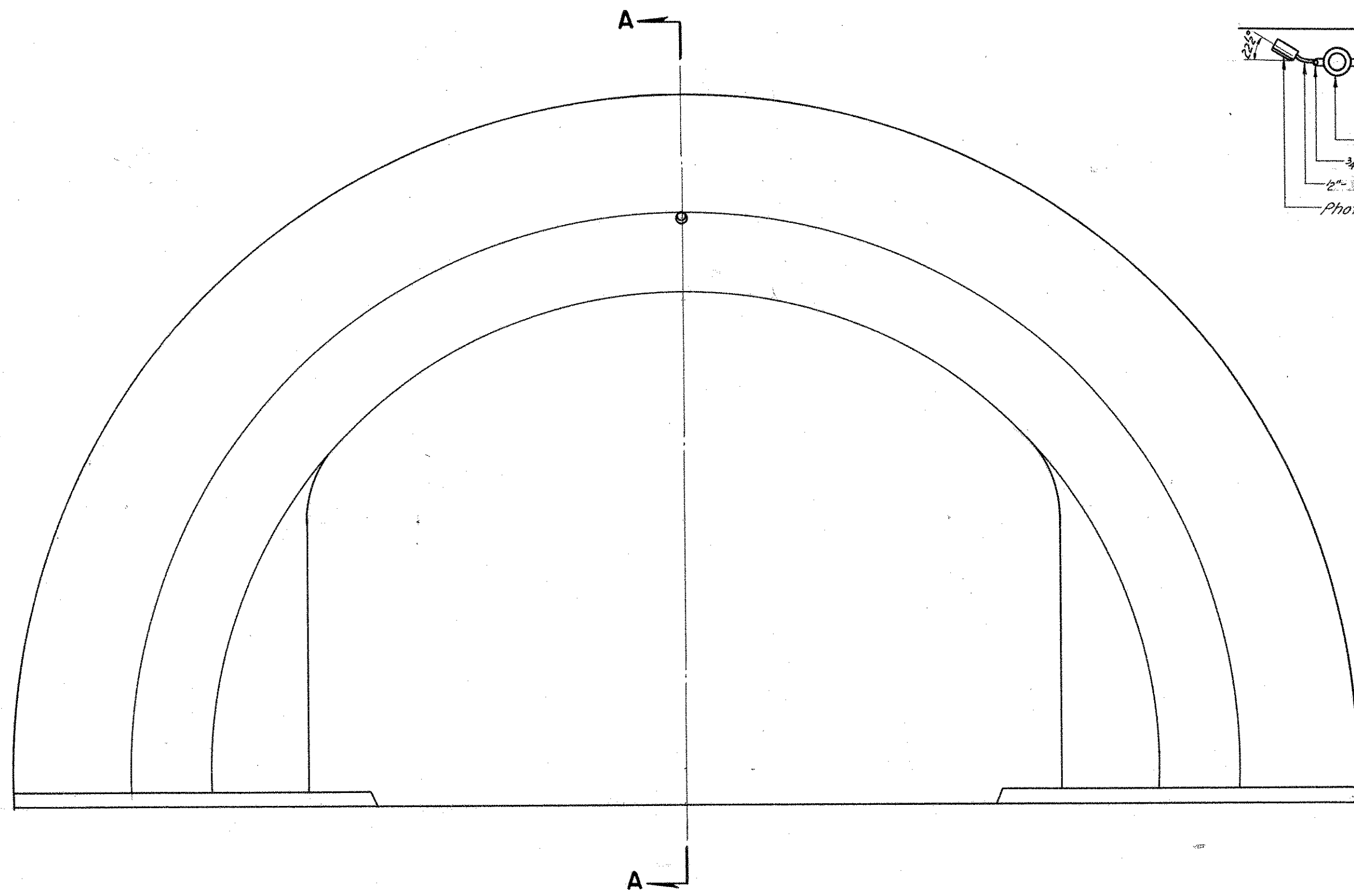
SCALE As Shown PROJECT NO. _____

MADE BY M.W.S. TUNNEL SHEET NO. 39 OF 44

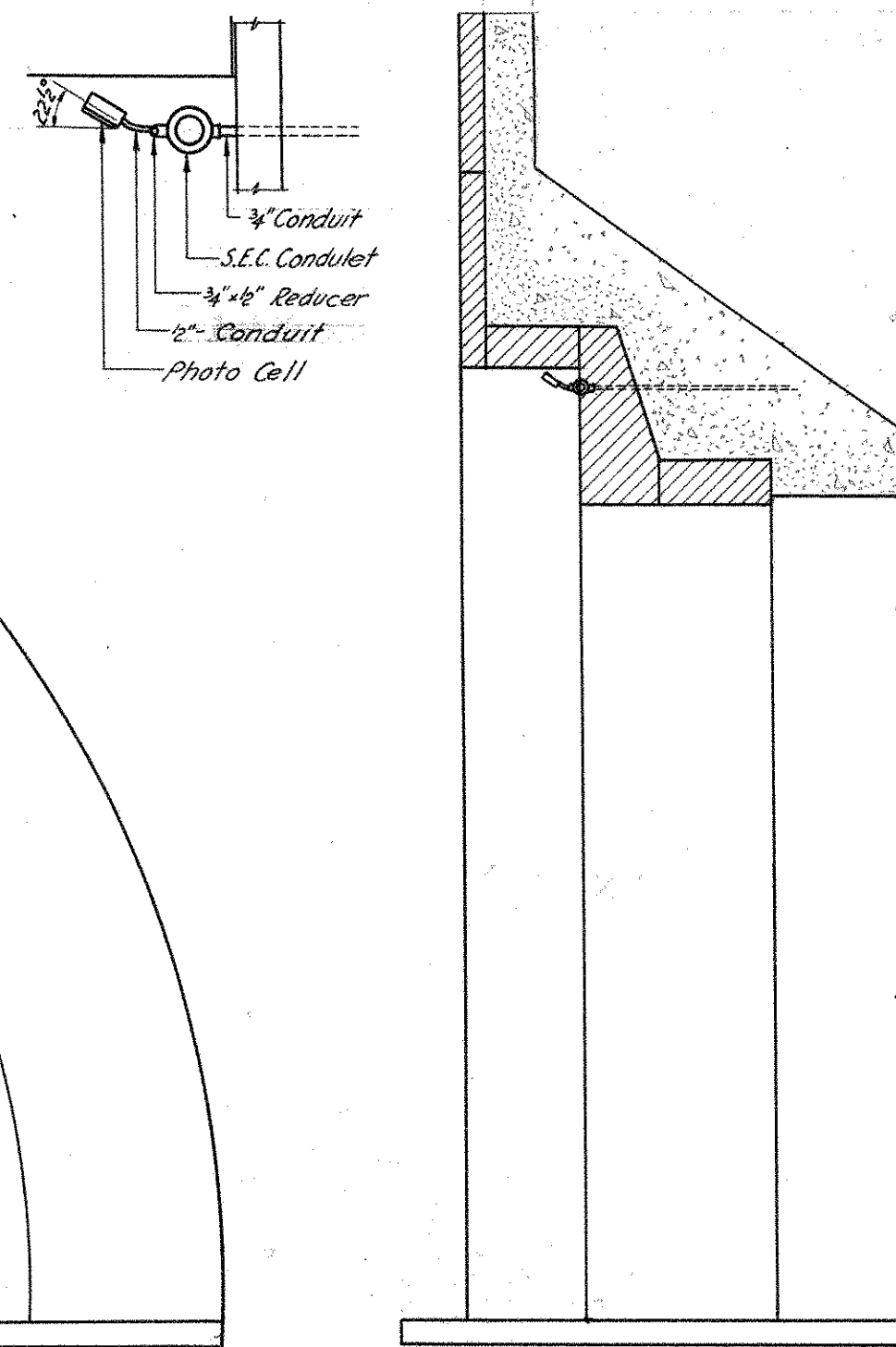
CHECKED BY DATE _____

APPROVED DATE _____

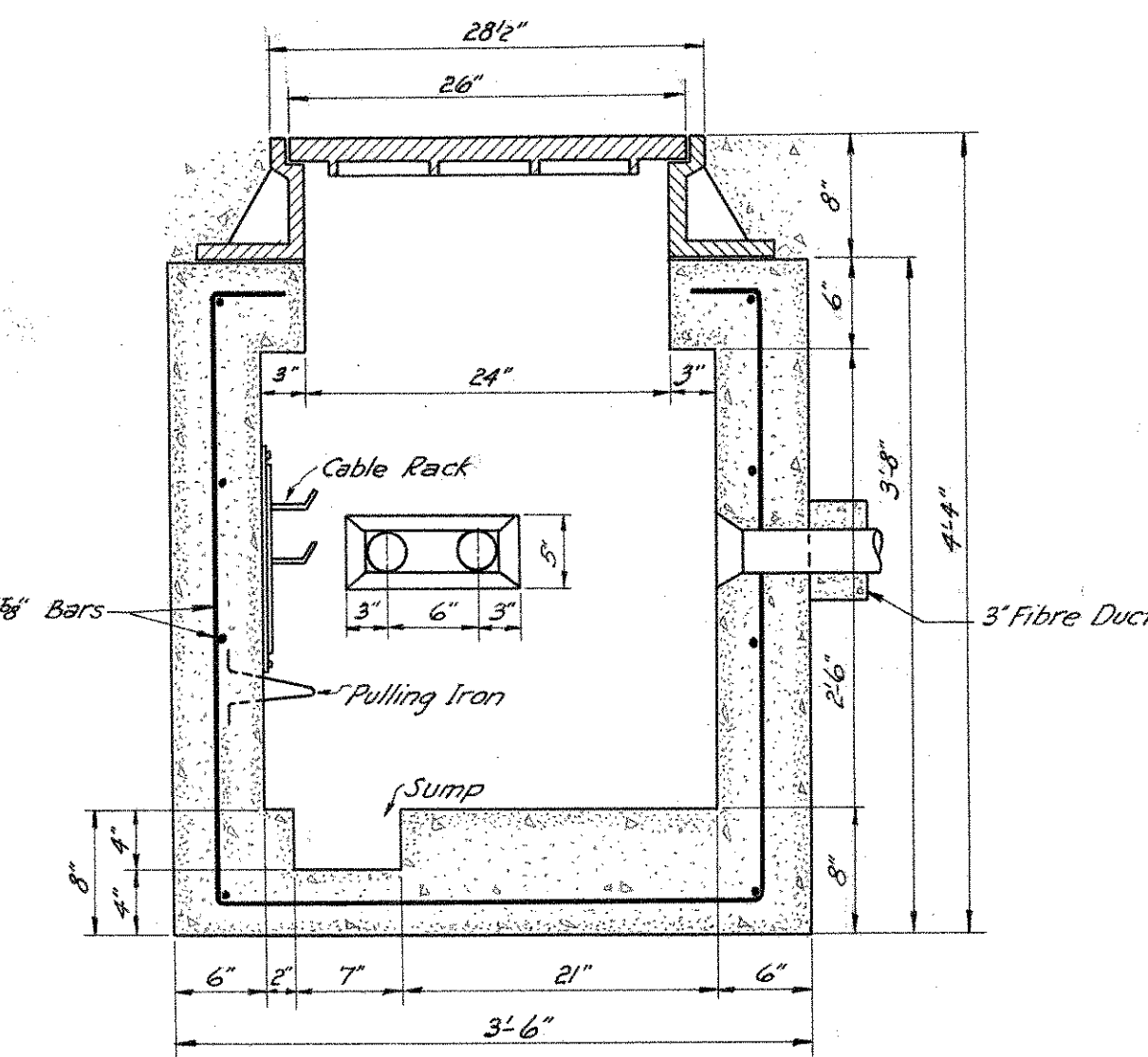
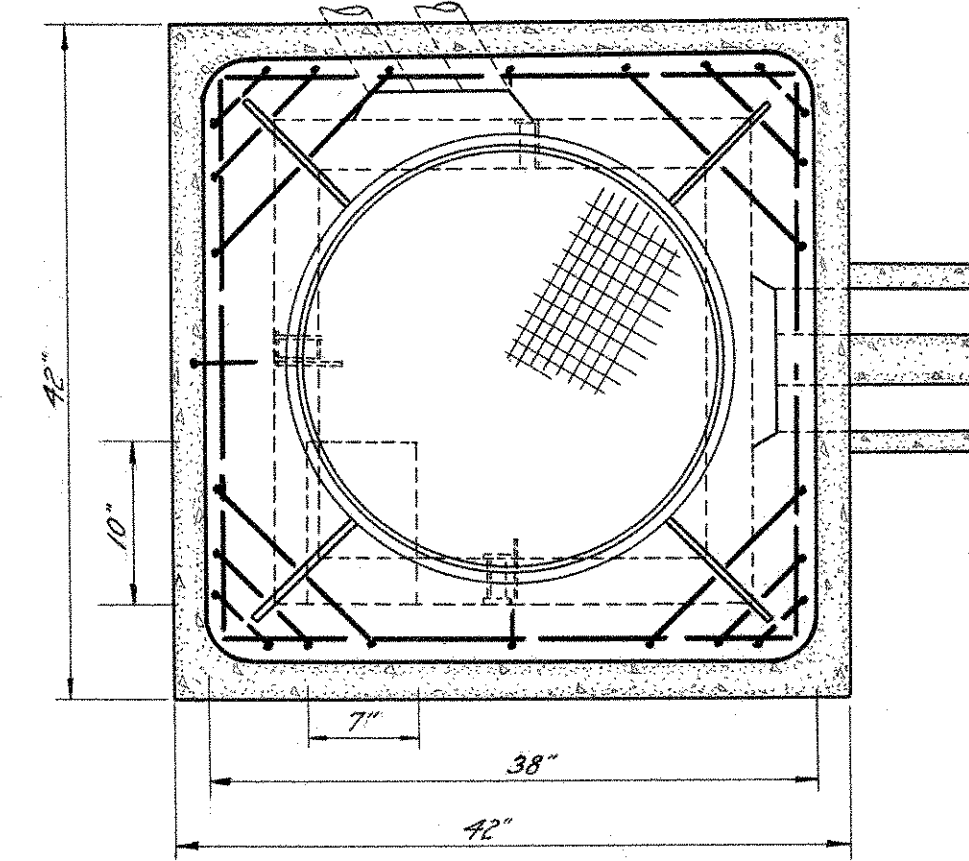
NOT TO SCALE - EXCEPT FOR THE COVER



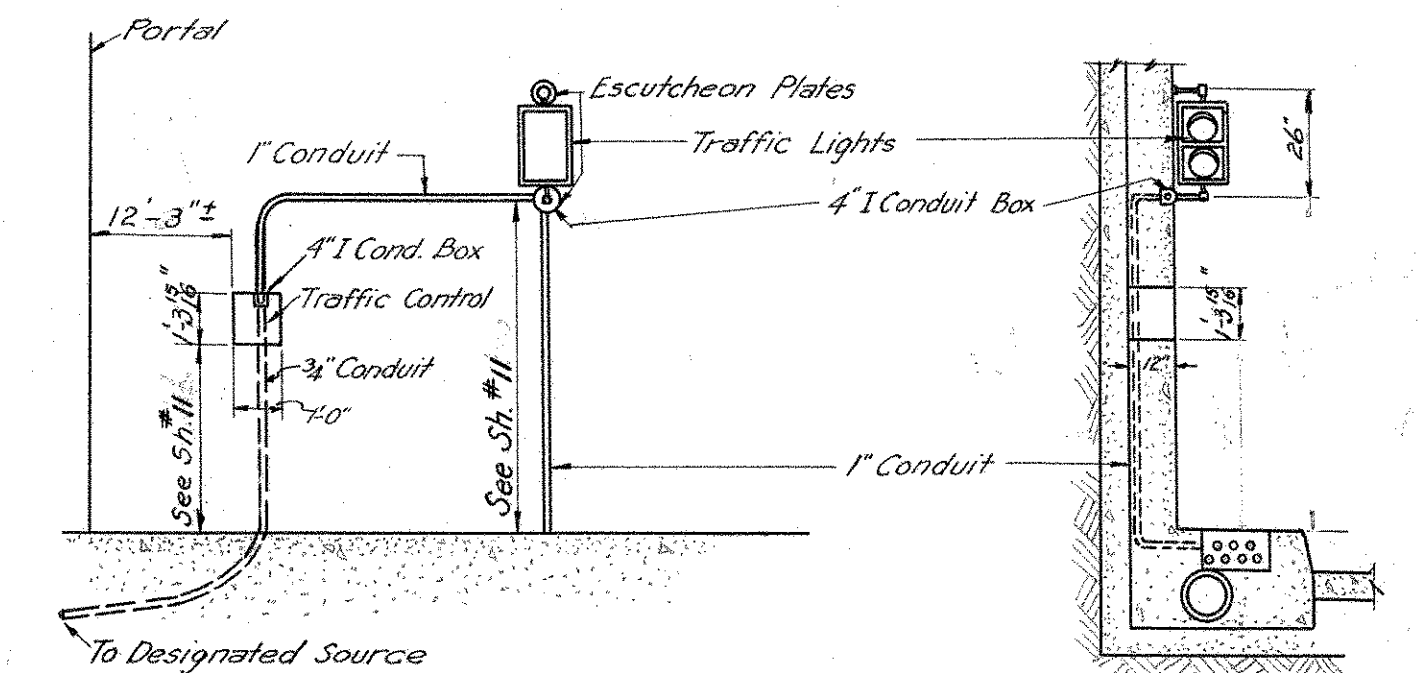
ELEVATION OF WEST PORTAL OF EAST BOUND TUNNEL
Scale: 4"=1'-0"



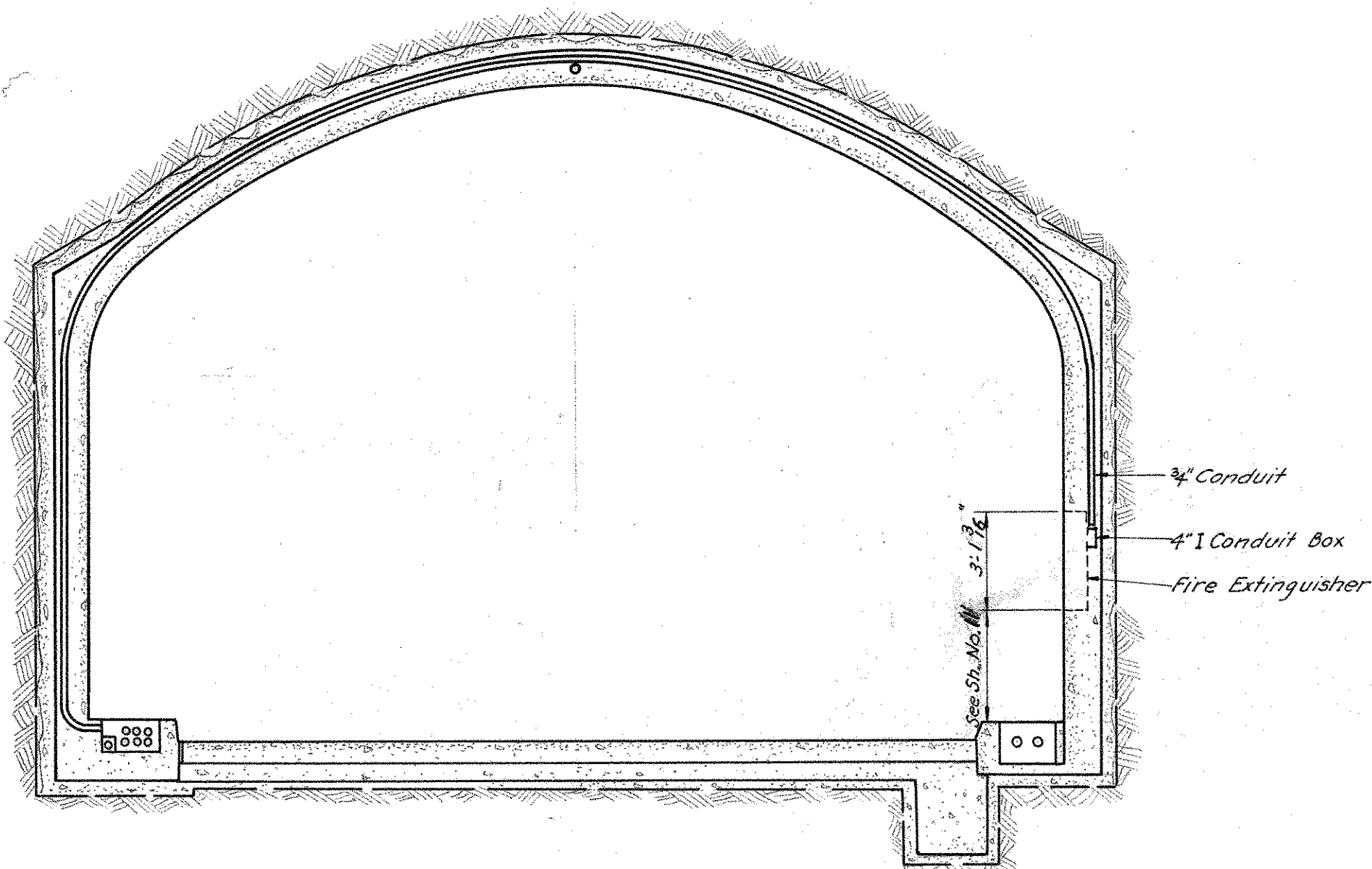
SECTION "A-A"



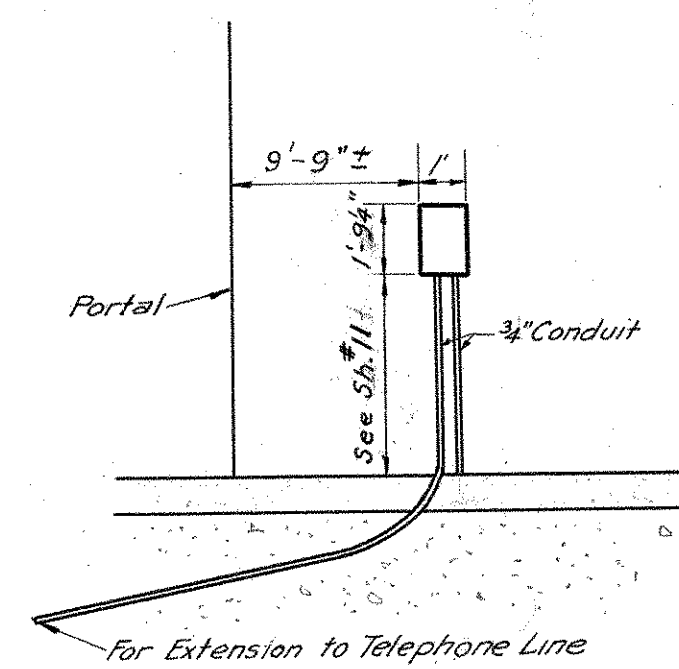
TYPICAL DETAIL OF MANHOLE & COVER
Scale: 1/4"=1'-0"



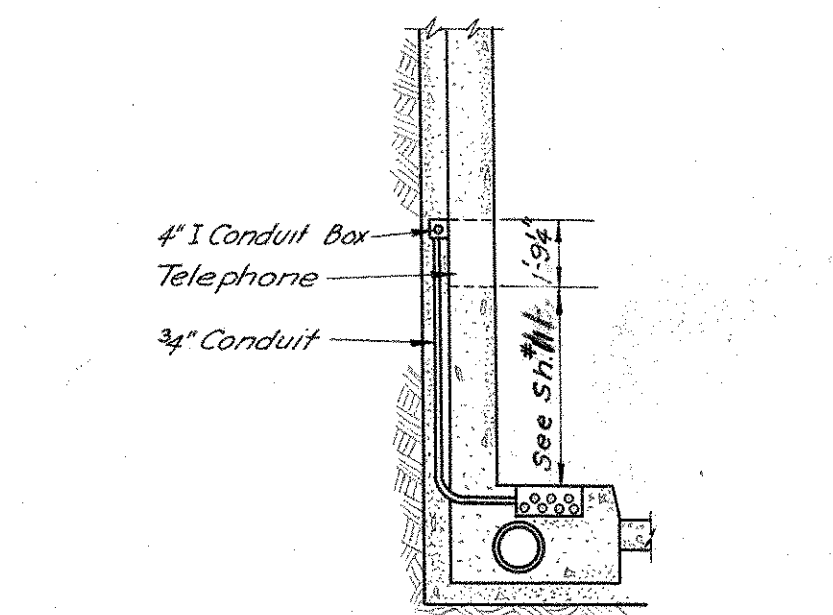
TYPICAL DETAIL OF TRAFFIC LIGHTS & TRAFFIC CONTROL INSTALLATION
Scale: 4"=1'-0"



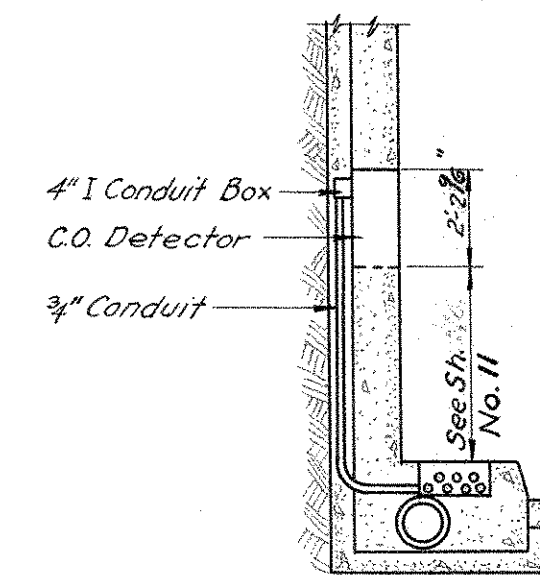
CROSS SECTION VIEW OF INSTALLATION OF OVERHEAD CONDUIT FOR FIRE EXTINGUISHER
Scale: 4"=1'-0"



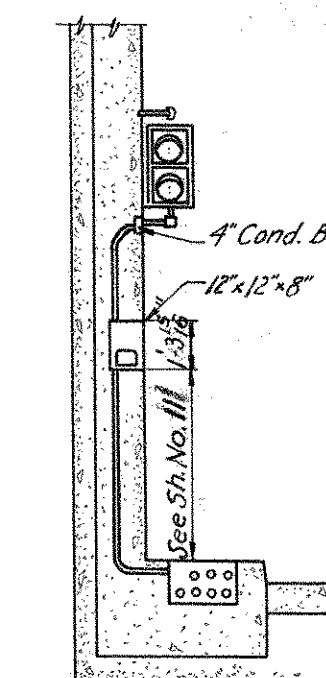
TYPICAL DETAIL OF C.O. DETECTOR INSTALLATION
Scale: 4"=1'-0"



TYPICAL DETAIL OF TELEPHONE CONDUIT INSTALLATION
Scale: 4"=1'-0"



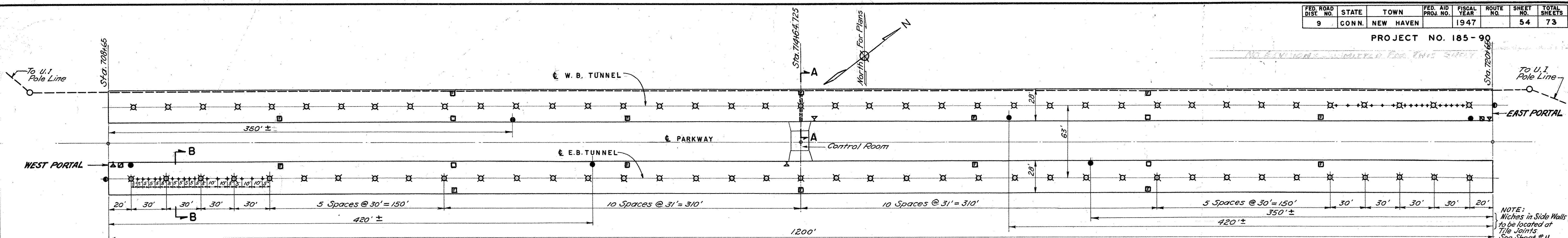
TYPICAL DETAIL OF FIRE EXTINGUISHER INSTALLATION
Scale: 4"=1'-0"



DETAILS OF TRAFFIC LIGHTS WITH FLASHER

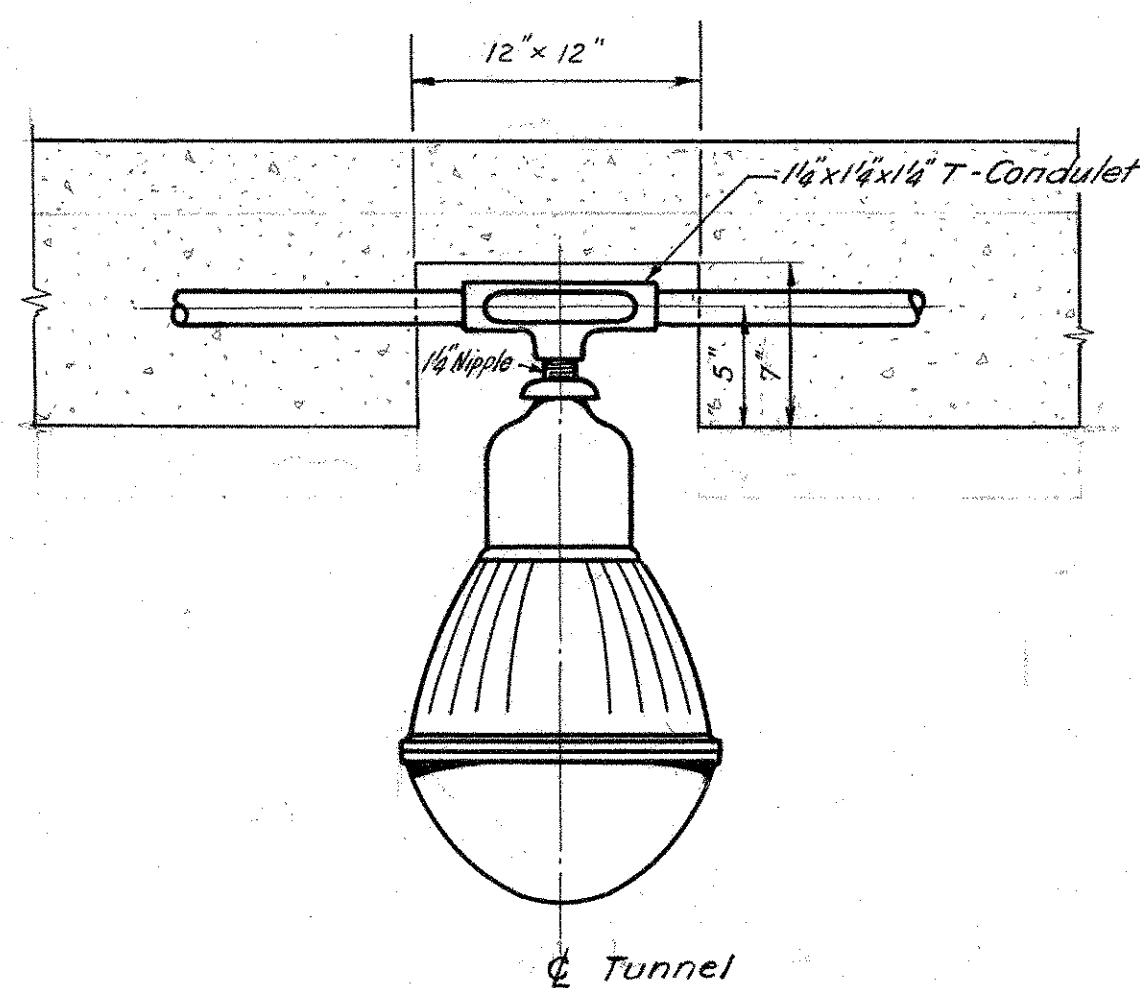
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL CONDUIT DETAILS	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE <i>As Shown</i>	PROJECT NO.
MADE BY <i>M.W.S.</i>	TUNNEL SHEET NO.
CHECKED BY <i>J.H.B.</i>	40 OF 44
APPROVED _____	DATE _____

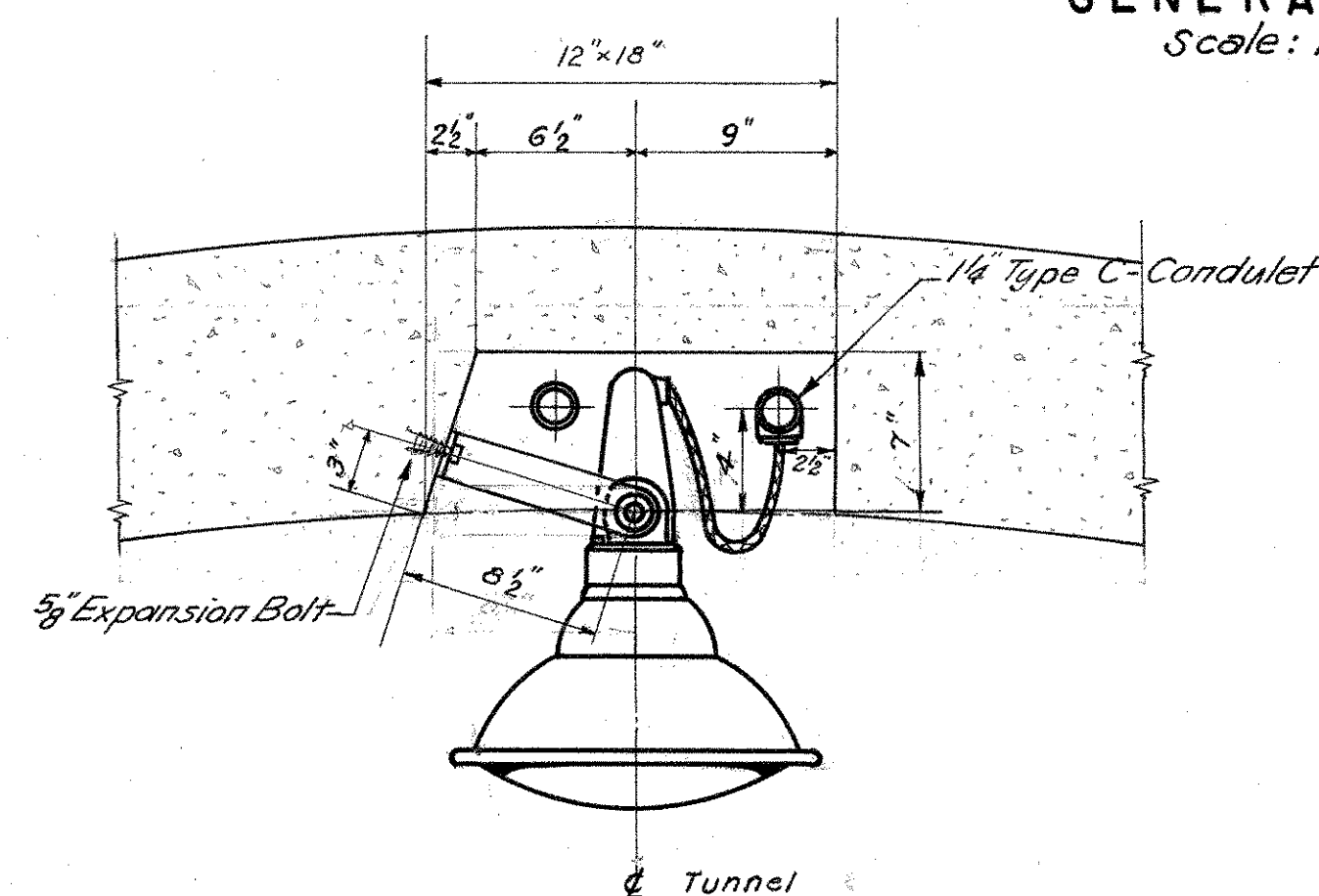


NOTE: Niches in Side Walls to be located at Tile Joints See Sheet #11

GENERAL PLAN
Scale: 1" = 40'



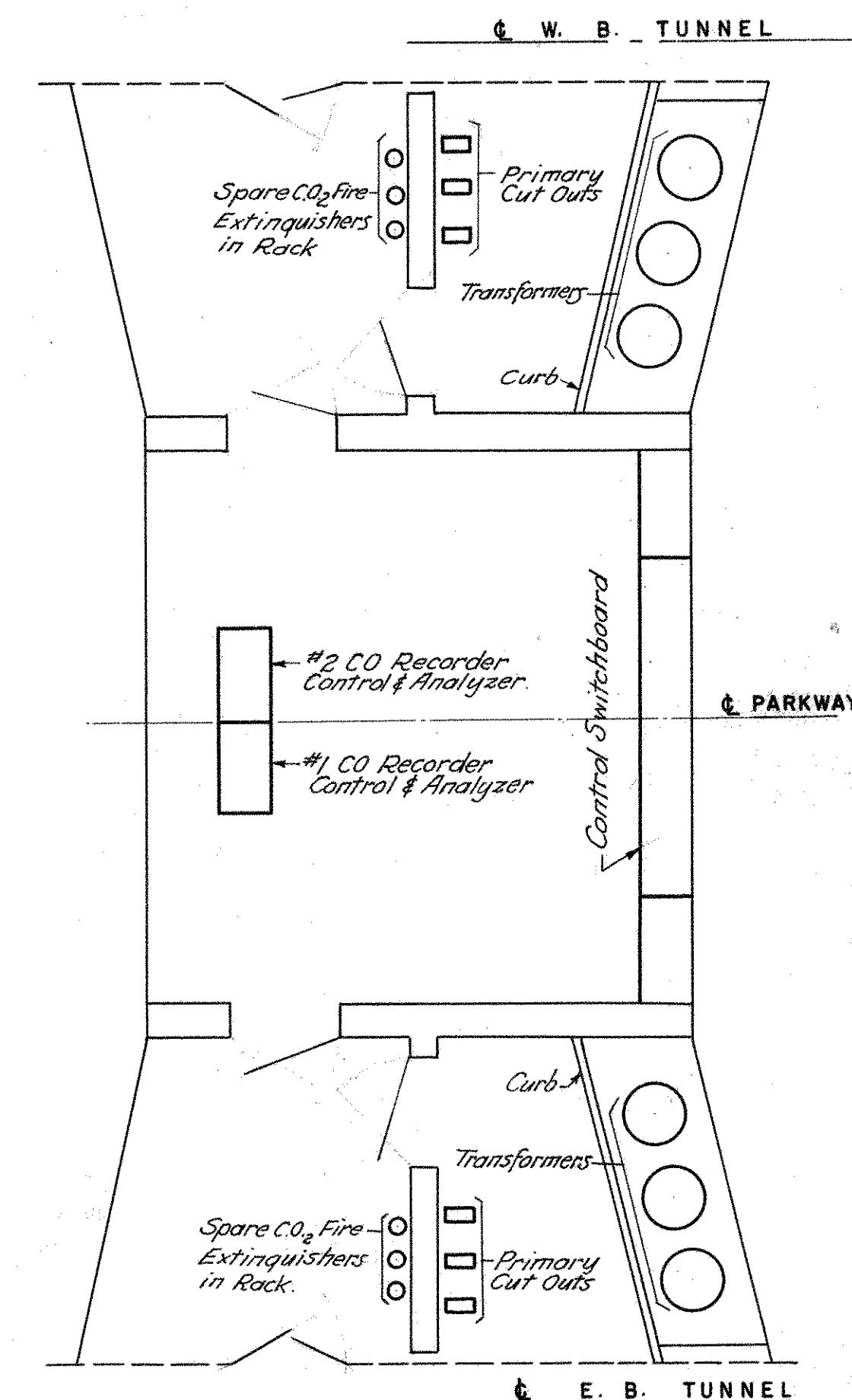
TUNNEL LIGHTING FIXTURE
FORM 79 - 300 W
Scale: 1 1/2" = 1'-0"



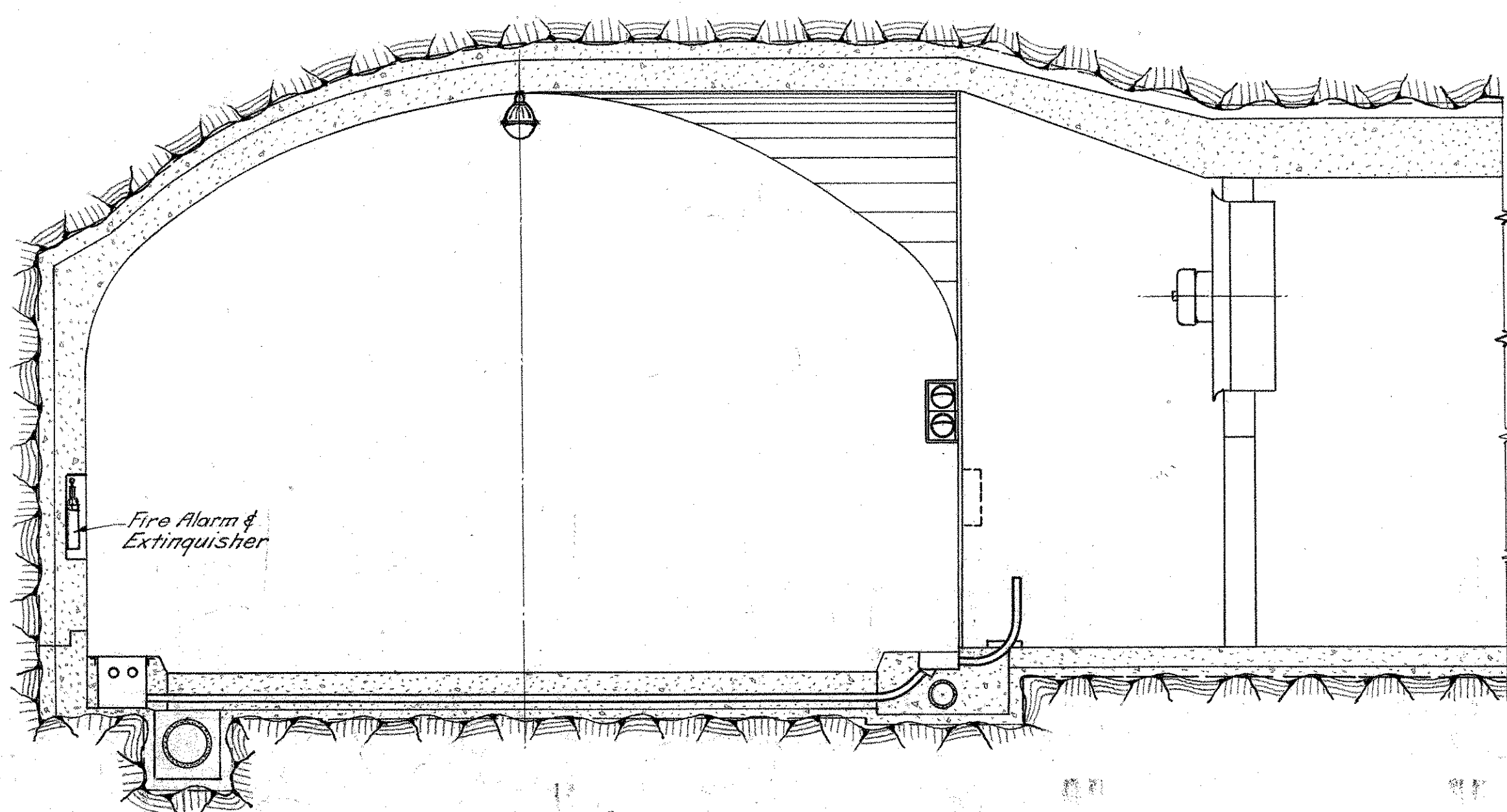
PORTAL LIGHTING FIXTURE
TYPE L-43 - 750 W
Scale: 1 1/2" = 1'-0"

SYMBOLS

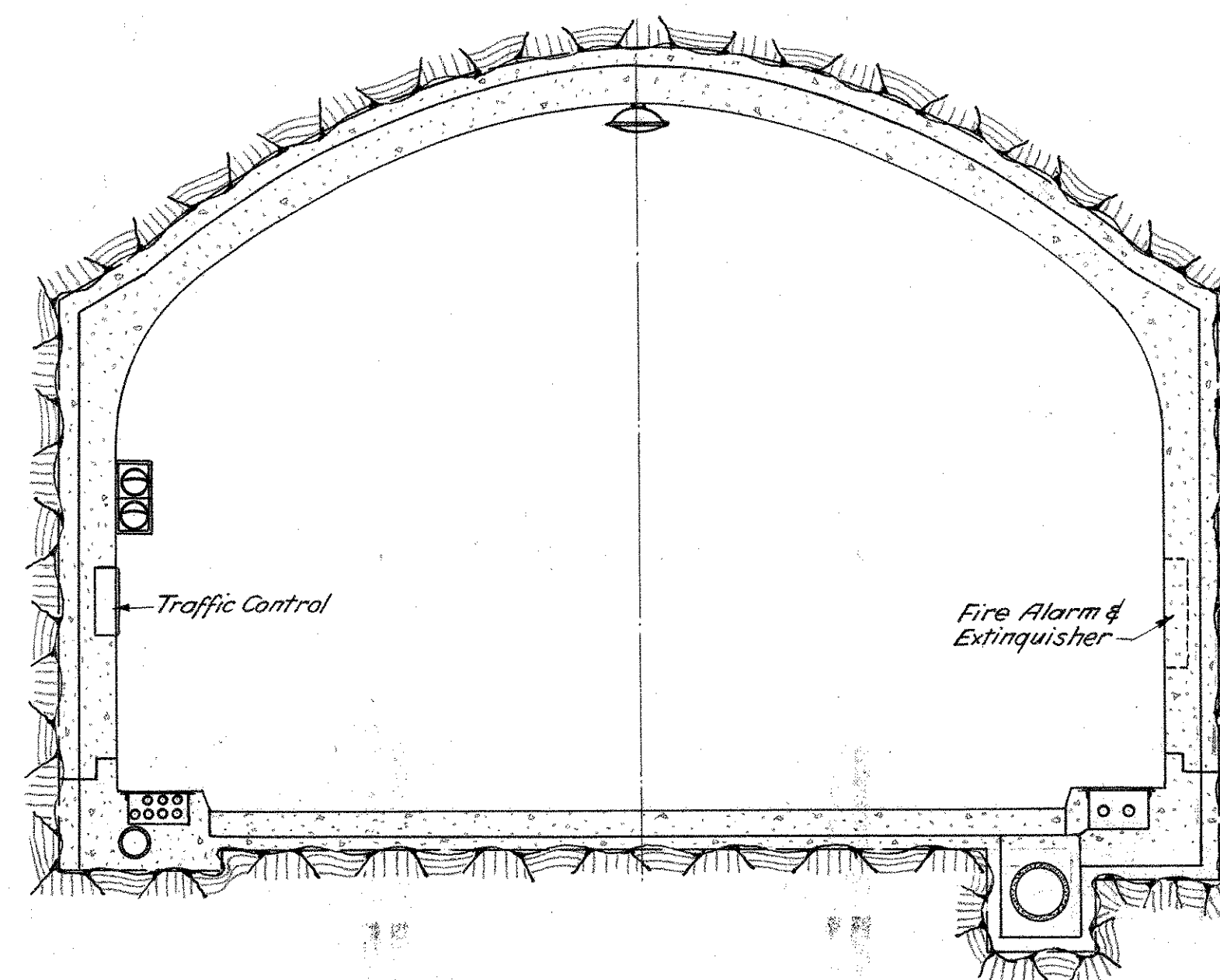
- ☒ Tunnel Lights 300 W.
- + Portal Lights 750 W.
- ☎ Telephone
- Electric Eye
- Traffic Lights
- ☐ Traffic Light Control
- ☐ Fire Alarm & CO₂ Fire Extinguisher
- Power Supply
- ☐ CO Ventilation Control



PLAN OF CONTROL ROOM
Scale: 1/4" = 1'-0"



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



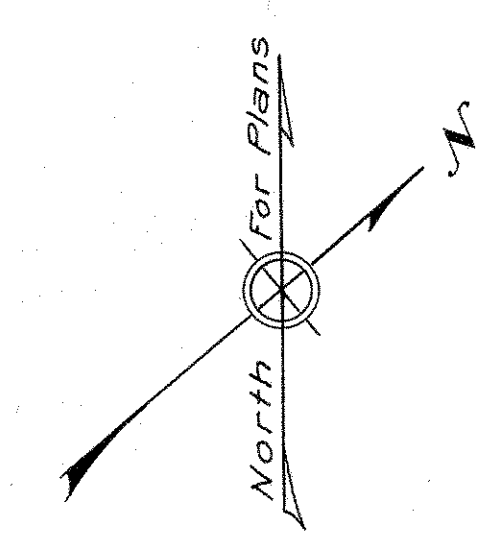
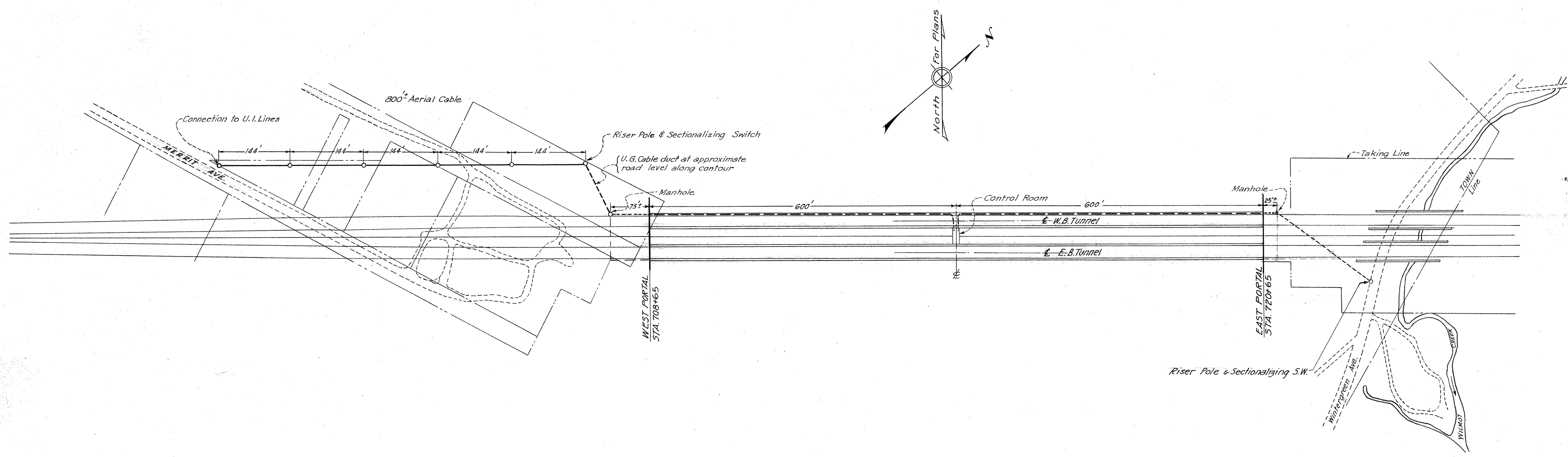
SECTION "B-B"
Scale: 1/4" = 1'-0"

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL LIGHTING	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE <i>As Shown</i>	PROJECT NO.
MADE BY <i>M.W.S.</i>	TUNNEL SHEET NO.
CHECKED BY <i>H.K.B.</i>	41 of 44
APPROVED _____	DATE _____

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		55	73

PROJECT NO. 185-90



CONNECTICUT
STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
FEEDER CABLE PLAN

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD

ENGINEERS	NEW YORK, N.Y.
SCALE 1"=100'	PROJECT NO.
MADE BY M.W.S.	TUNNEL SHEET NO.
CHECKED BY H.R.P.	42 OF 44
APPROVED _____	DATE _____

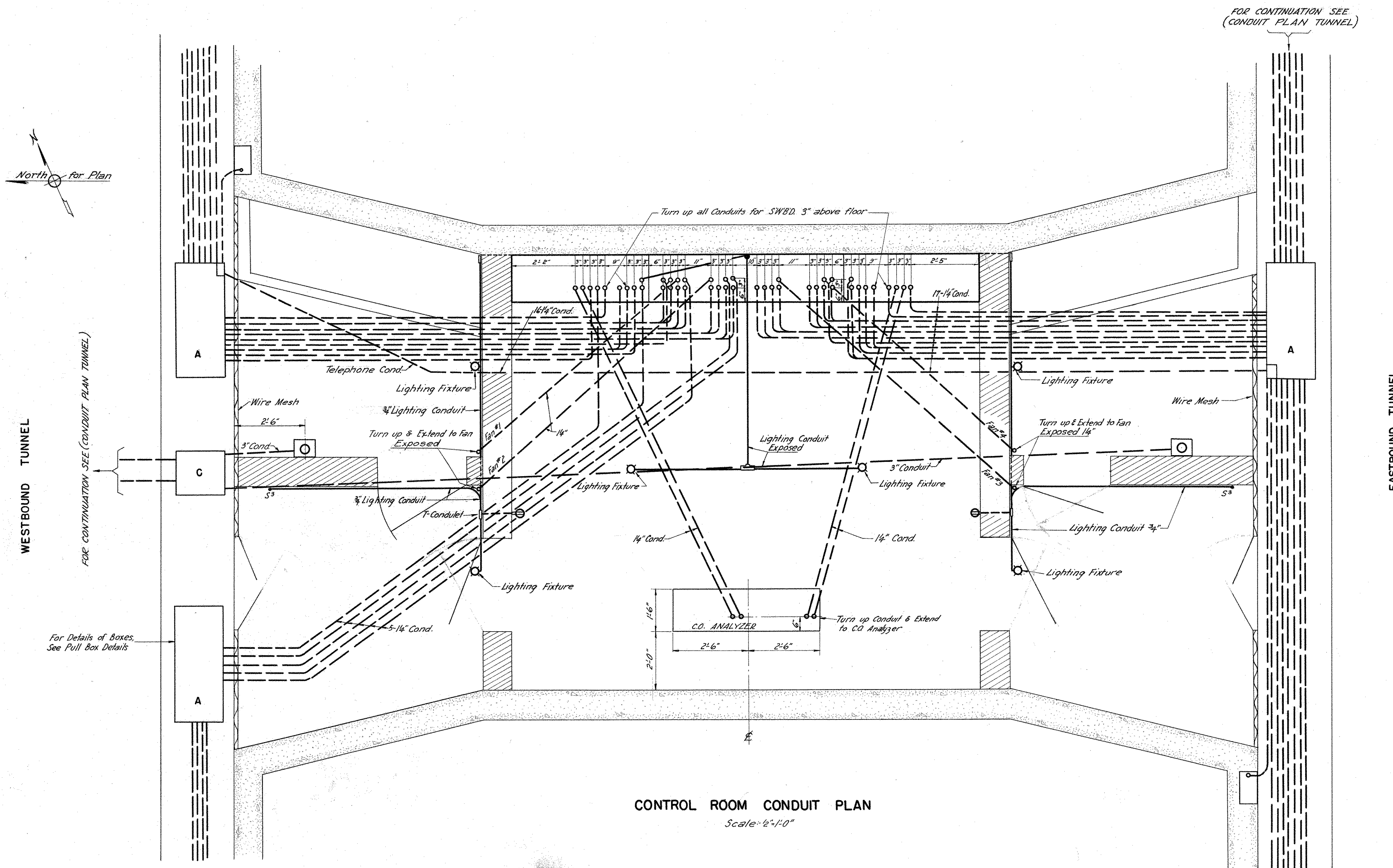
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Traced by A.L.M.

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		56	73

PROJECT NO. 185-90

NO DIMENSIONS SHOWN FOR THIS SHEET



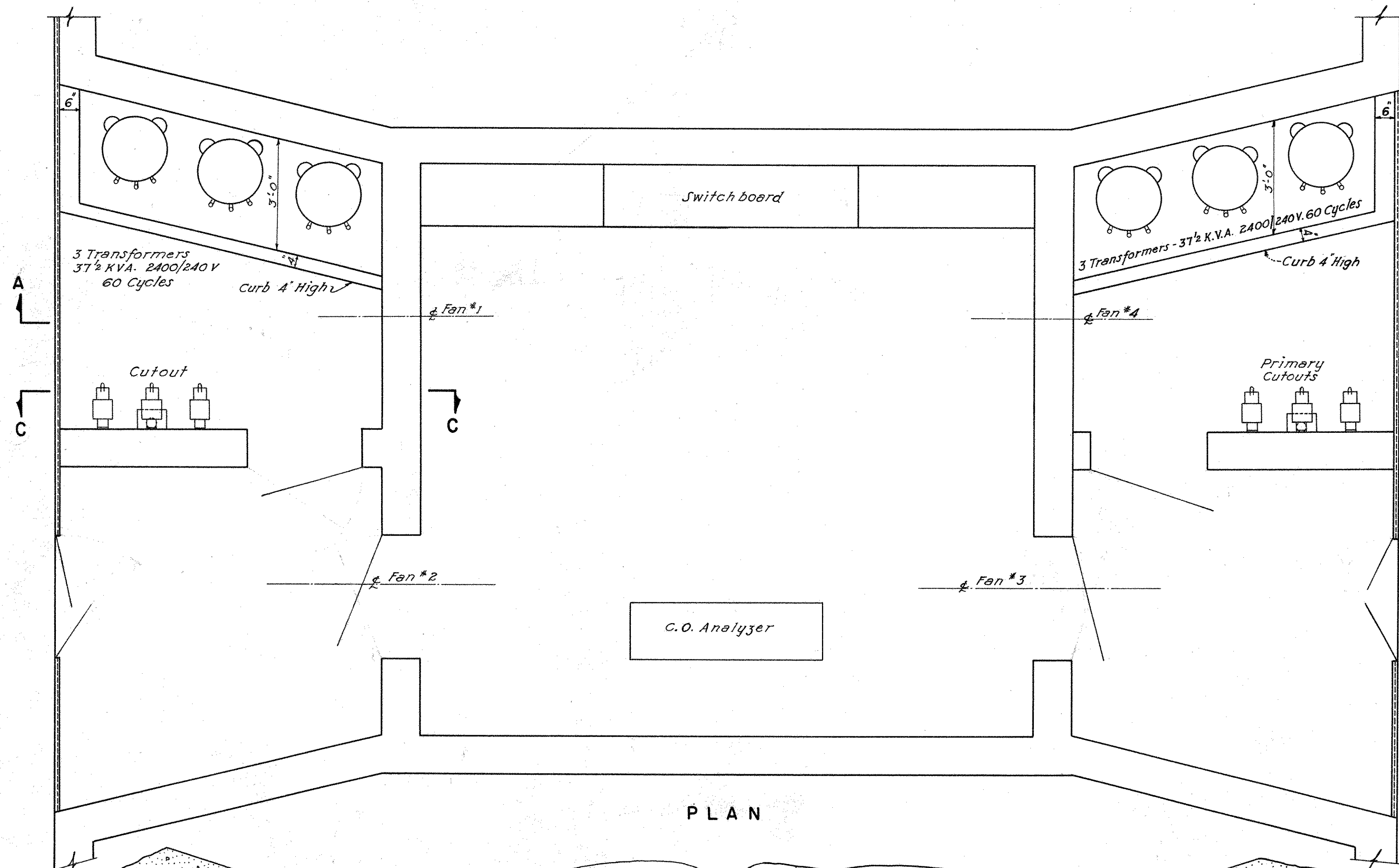
CONNECTICUT STATE HIGHWAY DEPARTMENT	
WILBUR CROSS PARKWAY WEST ROCK TUNNEL CONTROL ROOM CONDUIT PLAN	
PARSONS, BRINCKERHOFF, HOGAN & MACDONALD ENGINEERS NEW YORK, N.Y.	
SCALE 1/2"=1'-0"	PROJECT NO.
MADE BY M.W.S.	TUNNEL SHEET NO.
CHECKED BY H.A.B.	43 OF 44
APPROVED _____	DATE _____

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

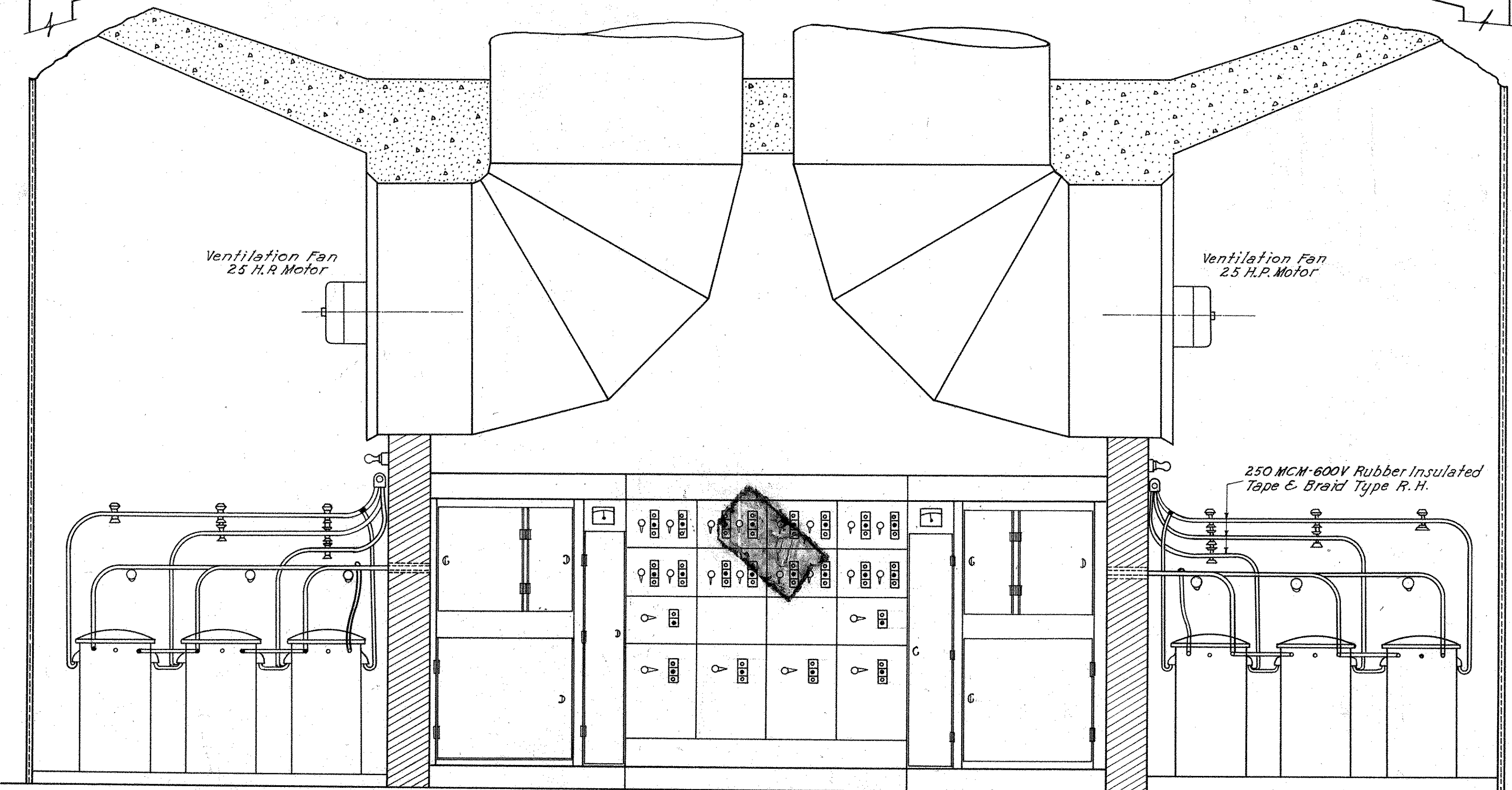
FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		57	73

PROJECT NO. 185-90

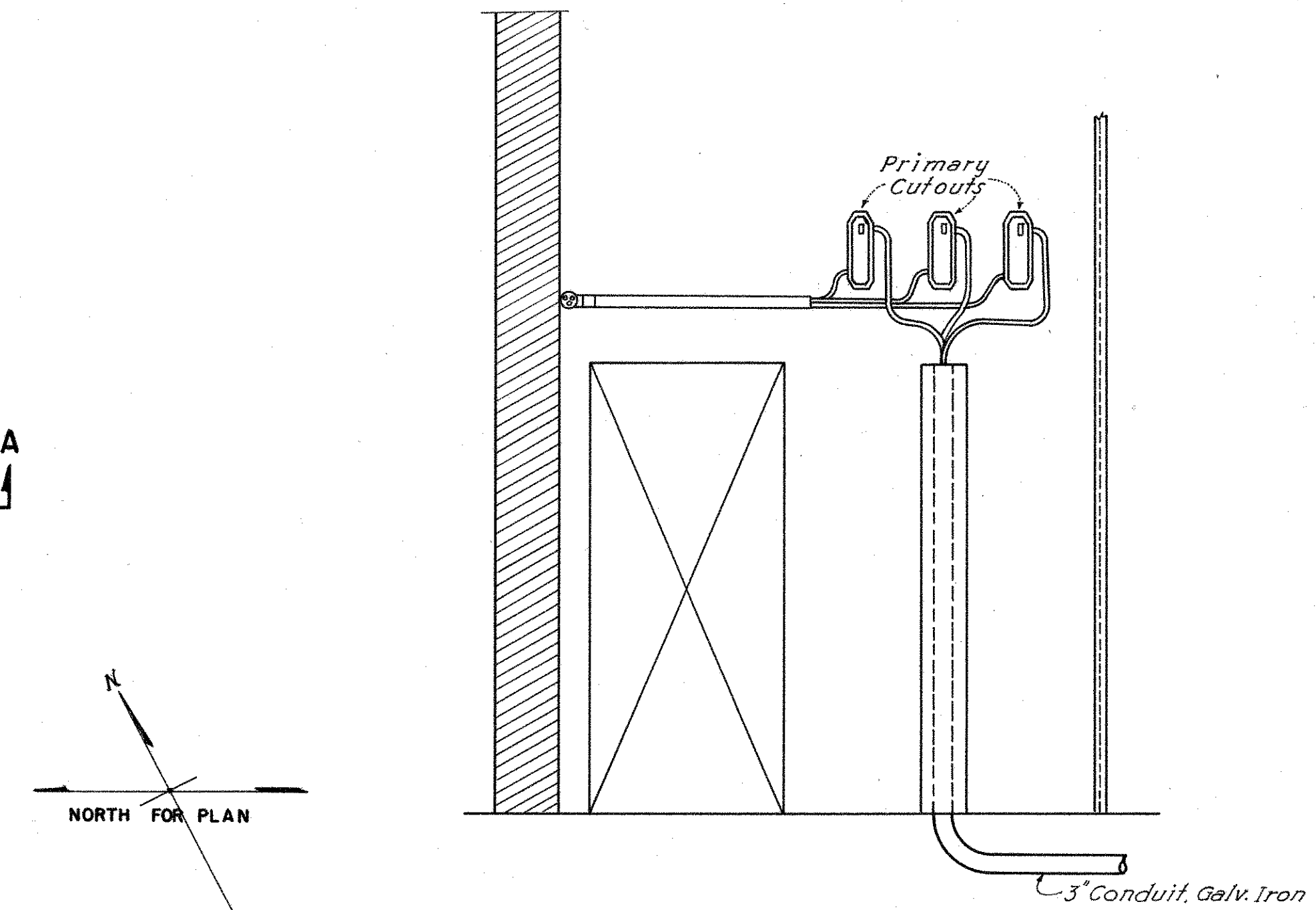
NO PROVISIONS SUBMITTED FOR THIS SHEET



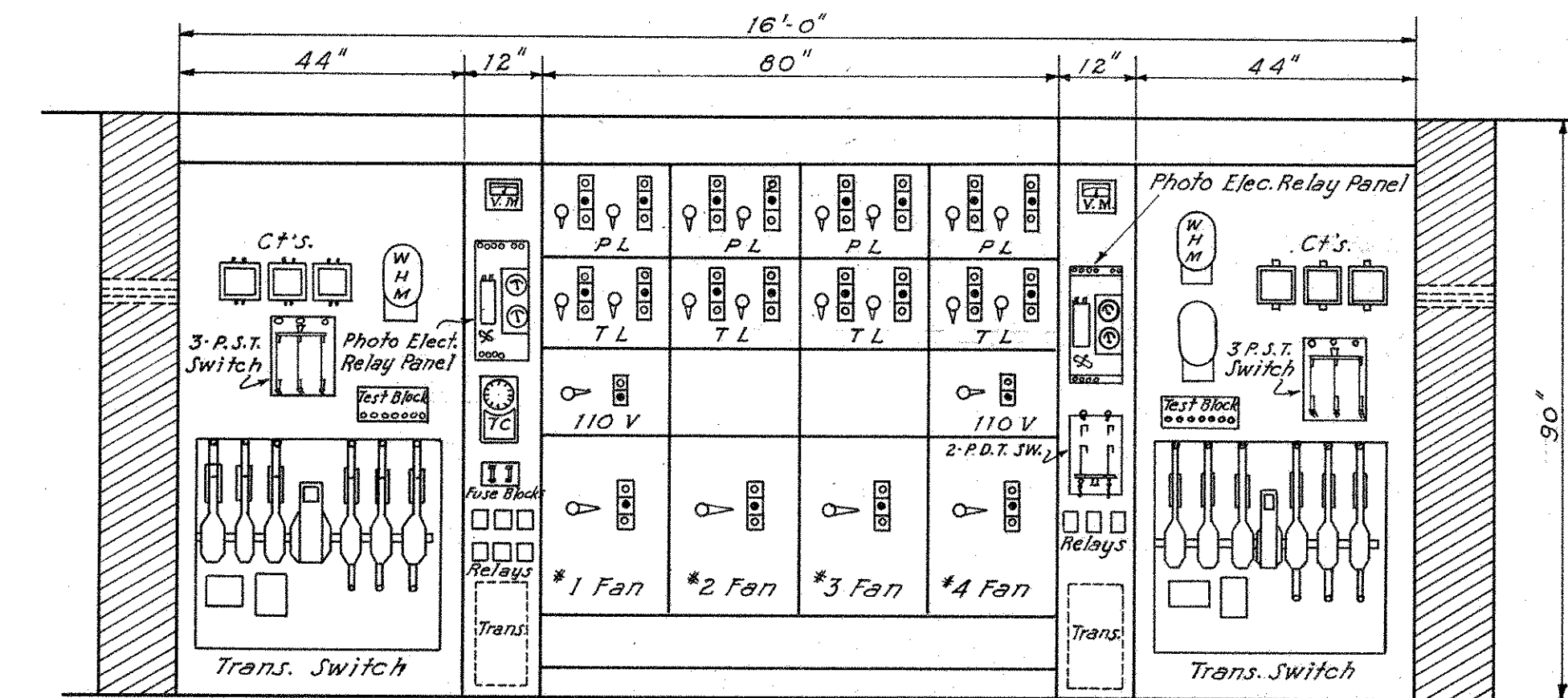
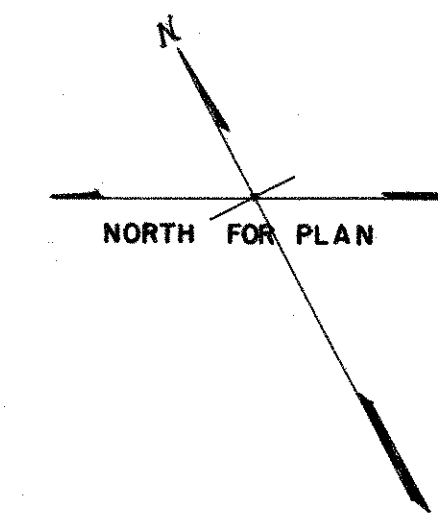
PLAN



SECTION A-A



SECTION C-C



ELEVATION OF SWITCHBOARD
(DOORS REMOVED)

CONNECTICUT
STATE HIGHWAY DEPARTMENT

WILBUR CROSS PARKWAY
WEST ROCK TUNNEL
**GENERAL ARRANGEMENT PLAN
CONTROL ROOM**

PARSONS, BRINCKERHOFF, HOGAN & MACDONALD
ENGINEERS
NEW YORK, N.Y.

SCALE 1/2" = 1'-0"
MADE BY M.W.S.
CHECKED BY J.E.B.
APPROVED _____ DATE _____

PROJECT NO. _____
TUNNEL SHEET NO. **44 OF 44**

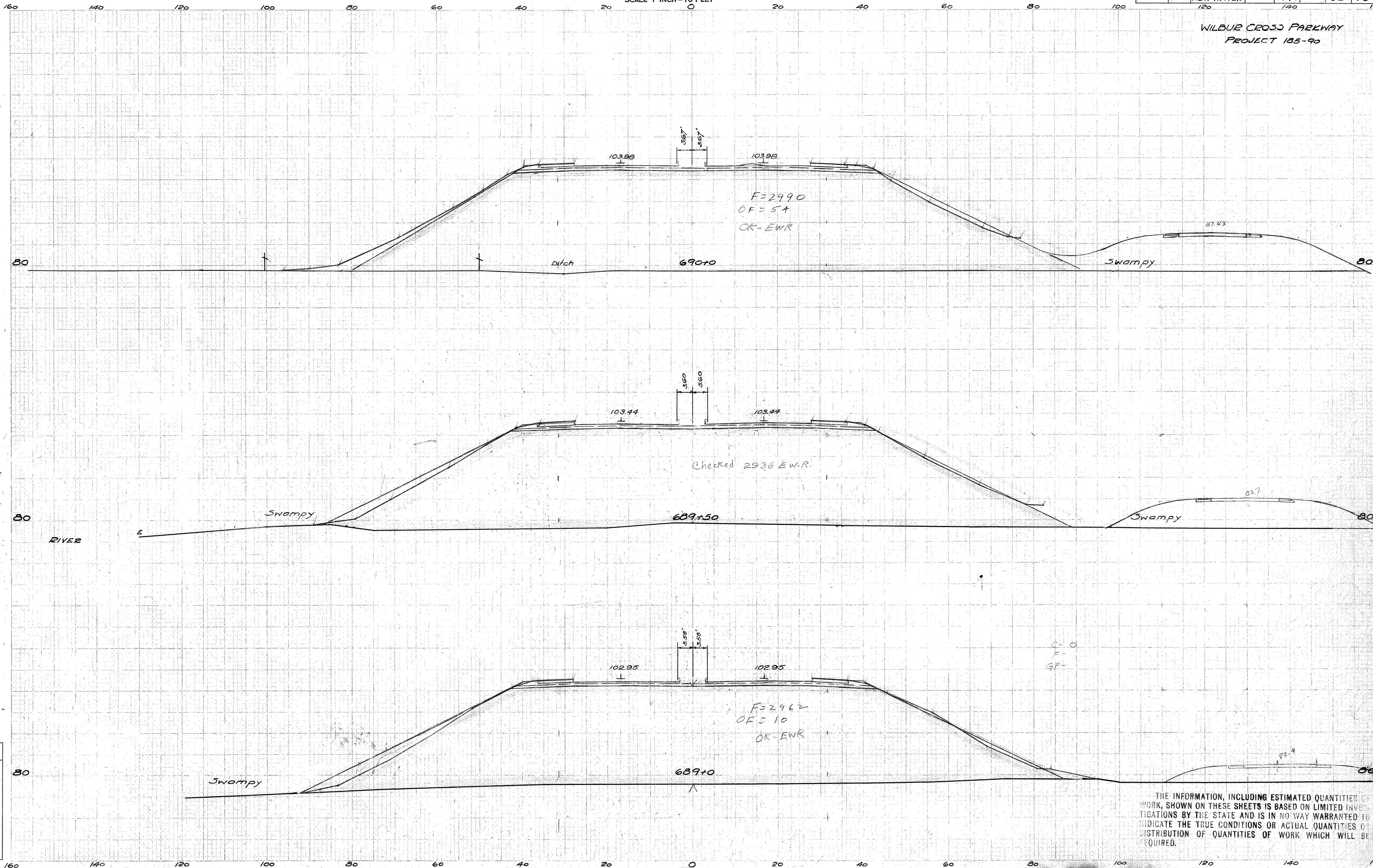
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CROSS SECTIONS

SCALE 1 INCH = 10 FEET

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947	120	58	73

WILBUR CROSS PARKWAY
PROJECT 135-90



NOTE BOOK NO. A-185-05-02

Ground Surface Platted by	S.B.
" " Checked by	H.A.M.
Template Sections Platted by	H.T.P.
" " Checked by	L.B.W.
Areas by	H.U.T.
" " Checked by	L.B.W.
Template Sections Revised by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

147 03

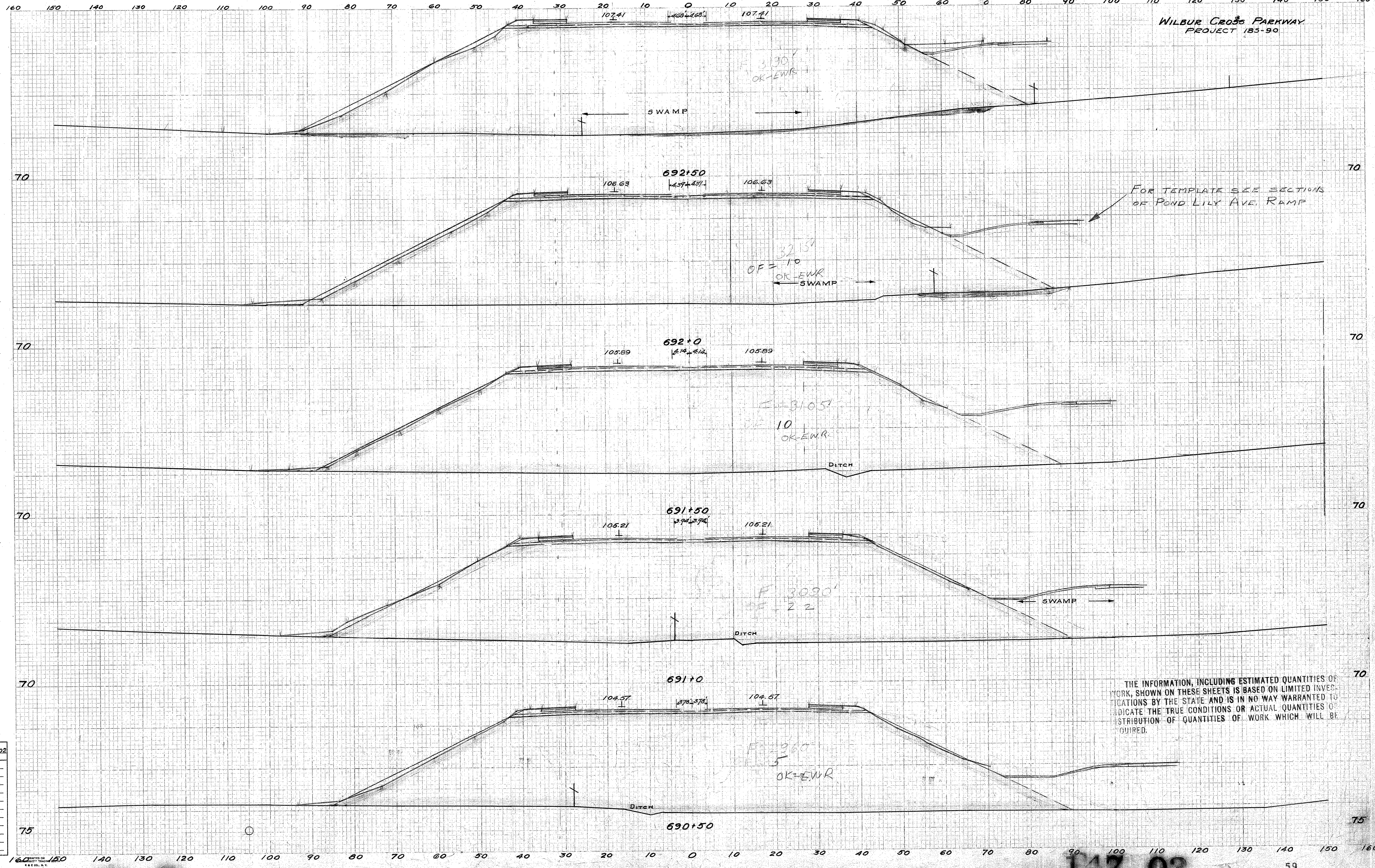
135-90

CROSS SECTIONS

Scale 1 inch = 10 feet

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		59	73

WILBUR CROSS PARKWAY
PROJECT 185-90



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NOTE BOOK NO. A-185-05-02

Ground Surface Platted by	S.B.
" " Checked by	H.A.M.
Template Sections Platted by	L.B.W.
" " Checked by	C.H.W.
Areas by	L.B.W.
" " Checked by	C.H.W.
Template Sections Revised by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

CROSS SECTIONS

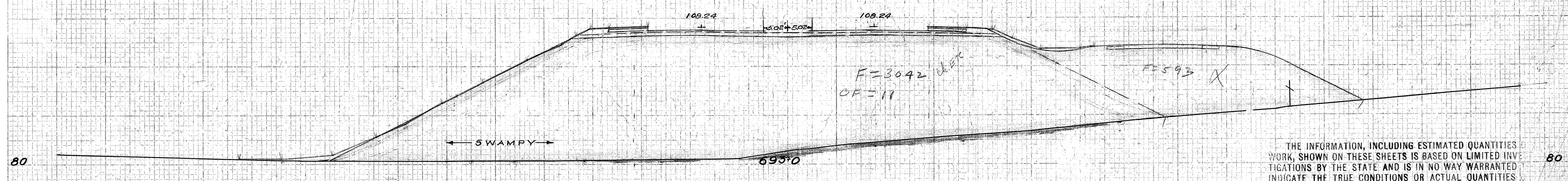
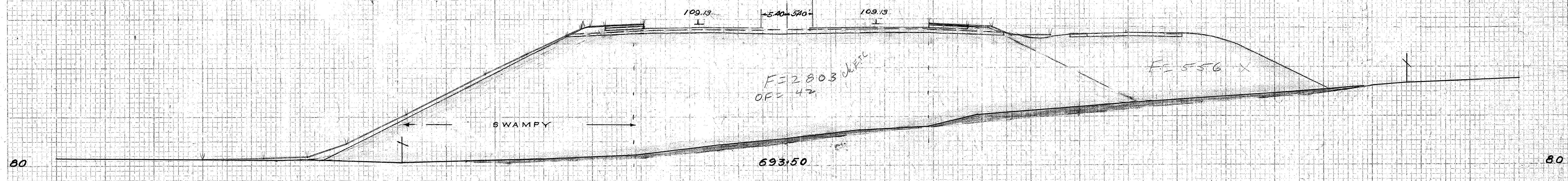
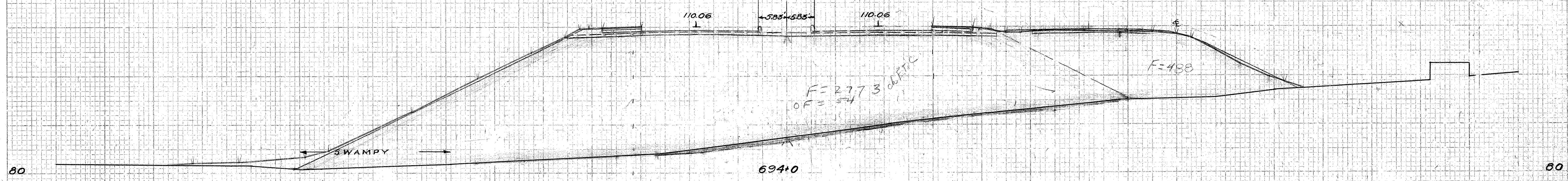
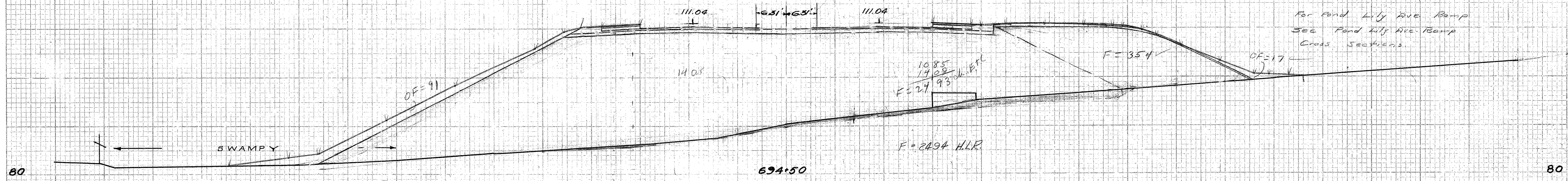
Scale 1 inch=10 feet

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		60	73

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

**WILBUR CROSS PARKWAY
PROJECT 185-90**

For Pond Lily Ave Ramp
See Pond Lily Ave Ramp
Cross Sections.



NOTE BOOK NO. A-185-05-02
 Ground Surface Platted by H.A.M.
 " " Checked by S.B.
 Template Sections Platted by L.B.W.
 " " Checked by H.V.S.
 Areas by L.B.W.
 " " Checked by H.V.S.
 Template Sections Revised by _____
 " " Checked by _____
 Final Areas by _____
 " " Checked by _____
 Quantity Transferred and Inked by _____

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

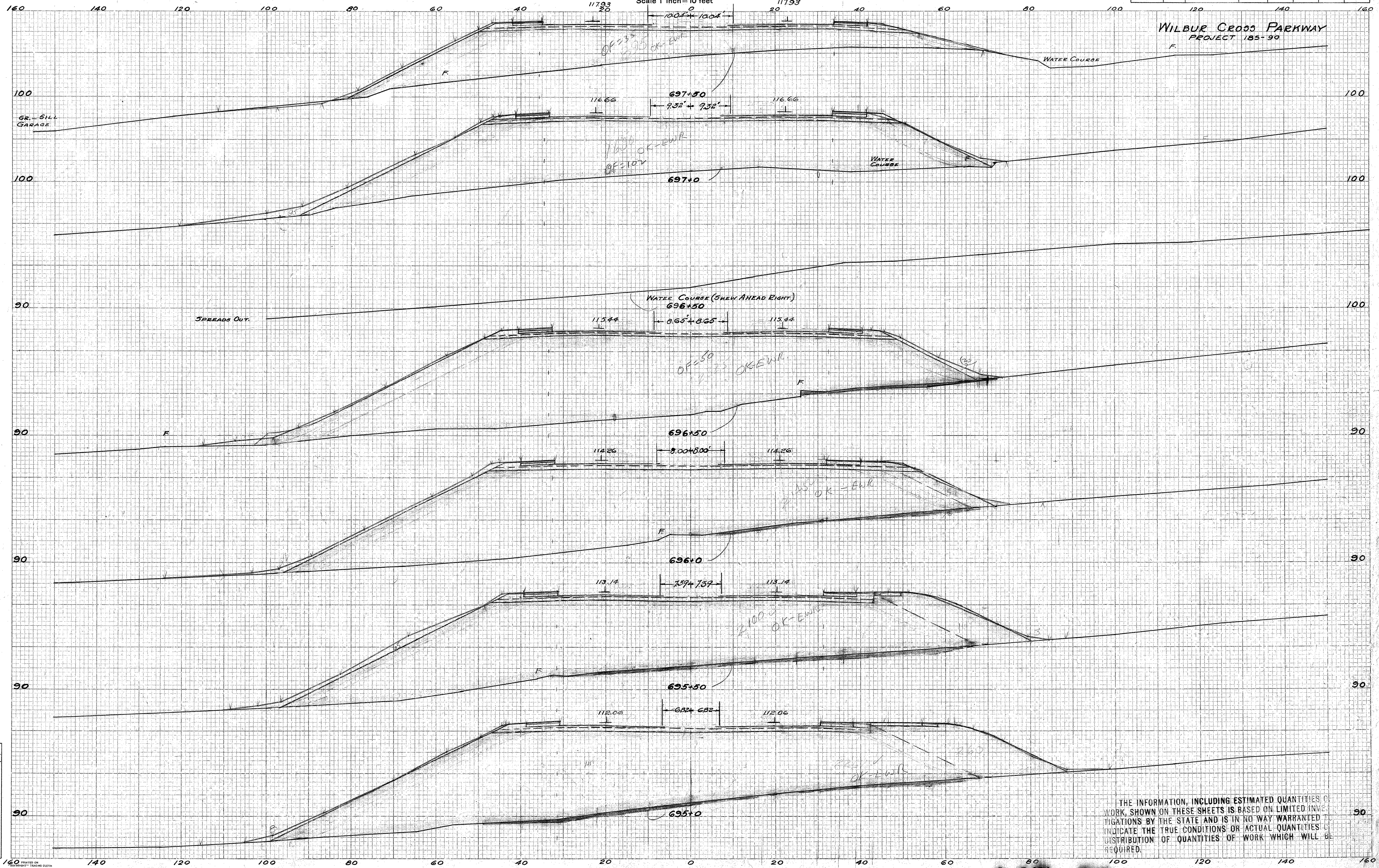
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

CROSS SECTIONS

Scale 1 inch = 10 feet

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN	WOODBIDGE		1947		61	73

WILBUR CROSS PARKWAY
PROJECT 185-90



NOTE BOOK NO. 185-23 A
 Ground Surface Plotted by H.V.T.
 " " Checked by L.Z.
 Template Sections Plotted by L.B.M.
 " " Checked by M.J.S.
 Drawn by D.A.P.
 " " Checked by M.V.S.
 Template Sections Revised by _____
 " " Checked by _____
 Final Areas by _____
 " " Checked by _____
 Quantity Transferred and Inked by _____

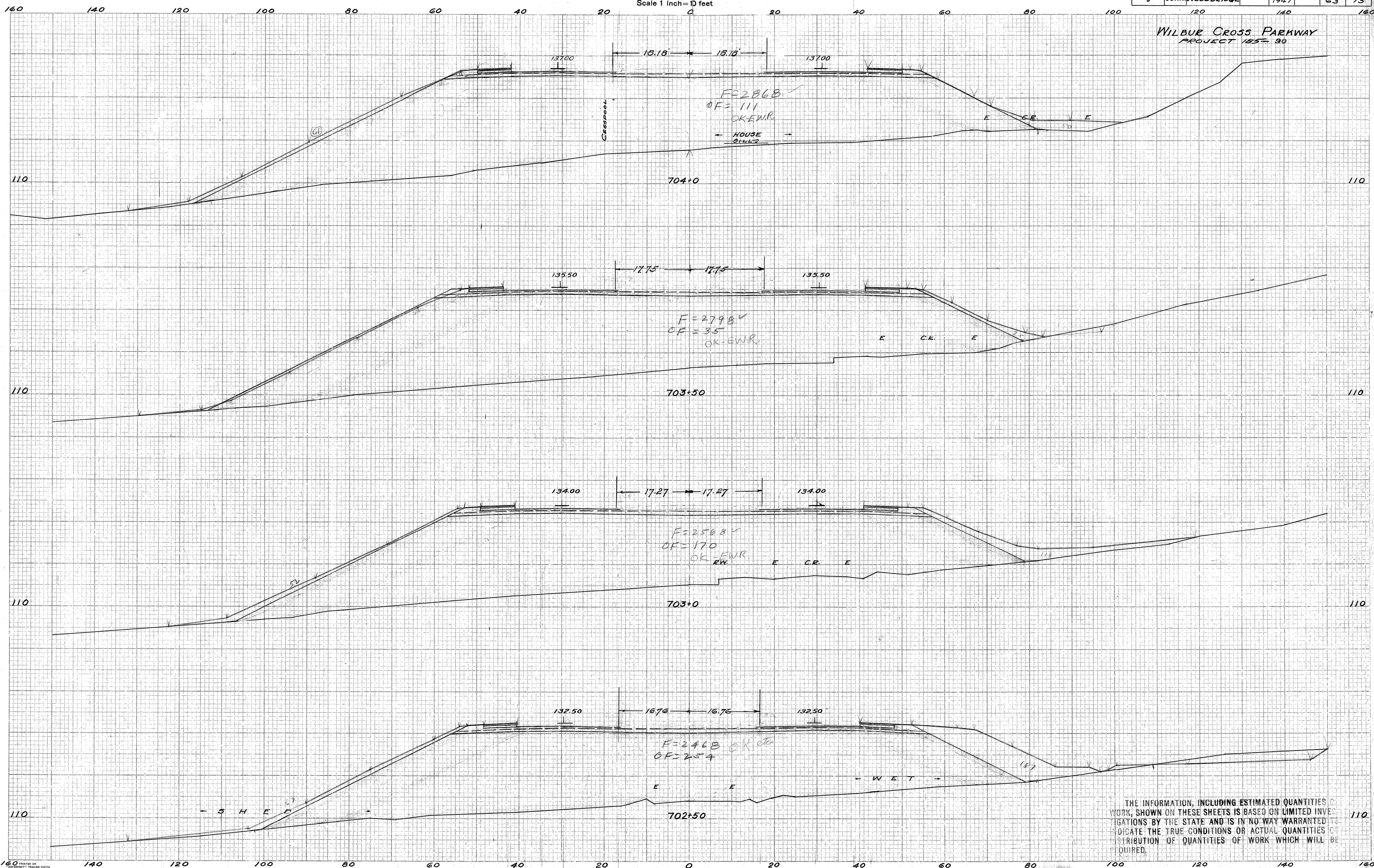
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CROSS SECTIONS

Scale 1 inch = 10 feet

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	WOODBIDGE		1947		63	73

WILBUR CROSS PARKWAY
PROJECT 185-90



NOTE BOOK NO. 185-23-A
 Ground Surface Platted by S.J.W.
 " " Checked by L.Z.
 Template Sections Platted by L.B.W.
 " " Checked by H.W.G.
 Areas by H.W.G.
 " " Checked by M.V.S.
 Template Sections Revised by _____
 " " Checked by _____
 Final Areas by _____
 " " Checked by _____
 Quantity Transferred and Inked by _____

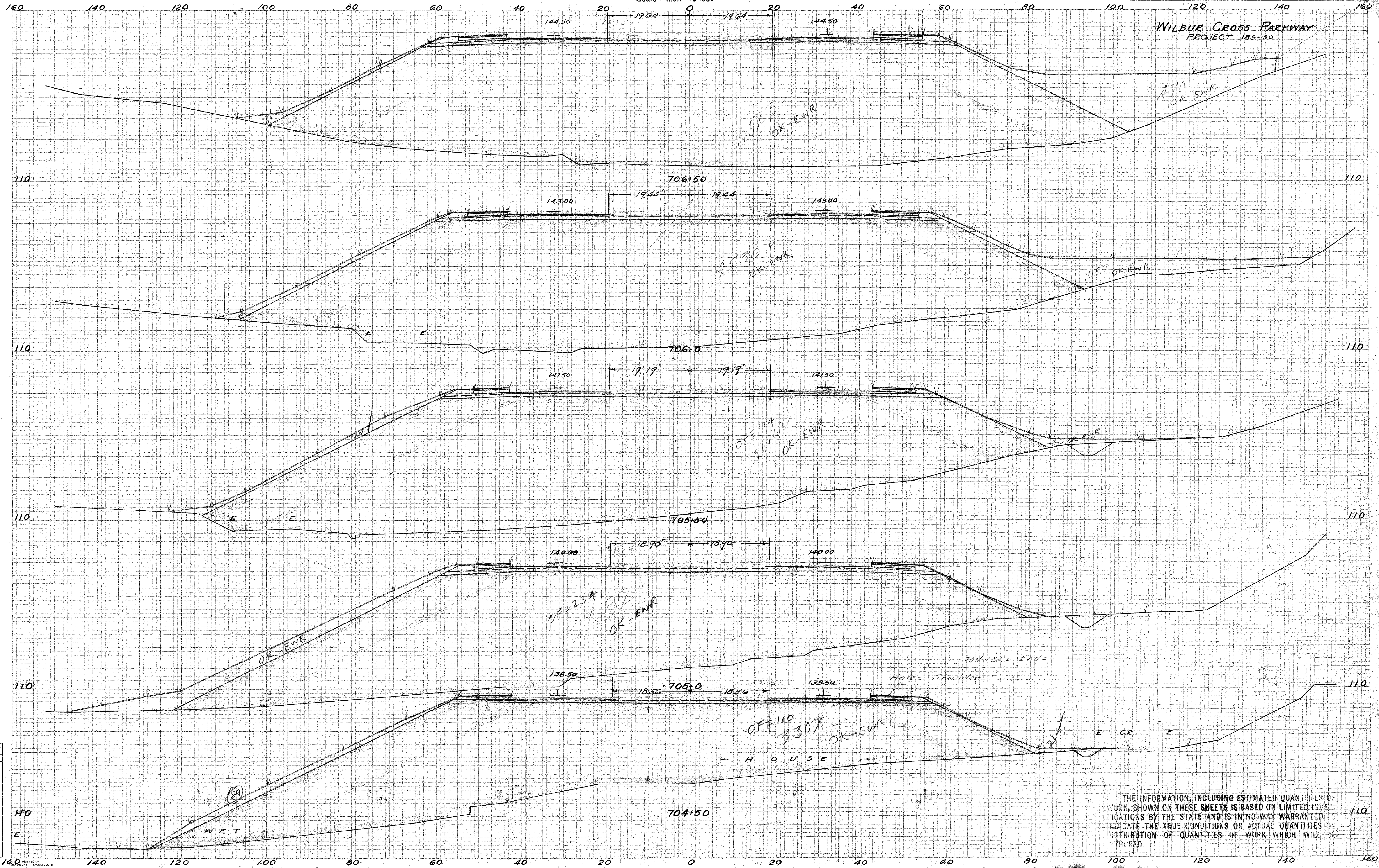
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CROSSSECTIONS

Scale 1 inch = 10 feet

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	WOODBIDGE		1947		64	73

WILBUR CROSS PARKWAY
PROJECT 185-90



NOTE BOOK NO. 185-23-A

Ground Surface Platted by S.S.W.
 " " Checked by L.Z.
 Template Sections Platted by L.B.W.
 " " Checked by H.W.G.
 Areas by D.A.P.
 " " Checked by H.W.G.
 Template Sections Revised by _____
 " " Checked by _____
 Final Areas by _____
 " " Checked by _____
 Quantity Transferred and Inked by _____

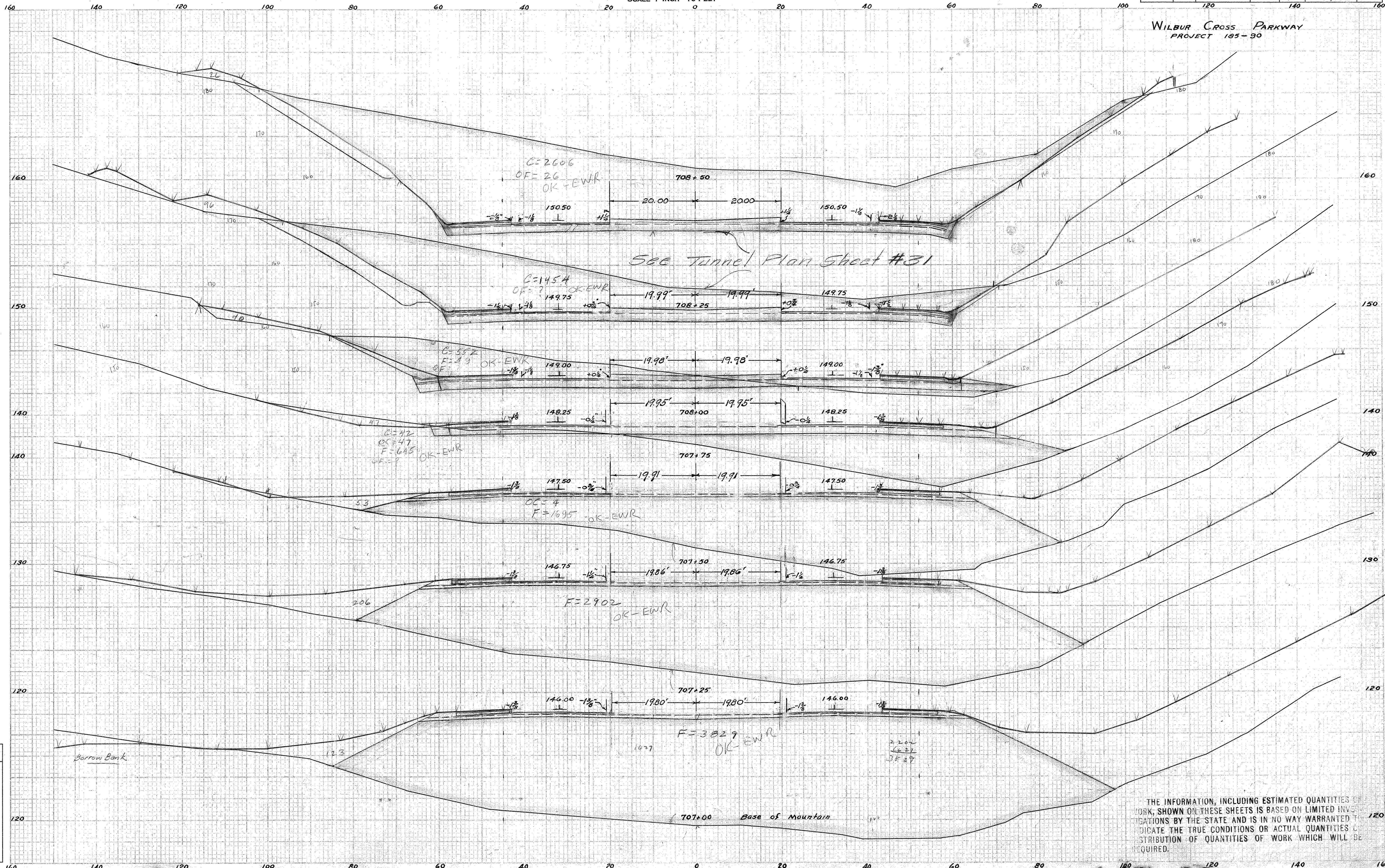
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CROSS SECTIONS

SCALE 1 INCH = 10 FEET

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	WOODBIDGE		1947	140	65	73

WILBUR CROSS PARKWAY
PROJECT 185-90



NOTE BOOK NO. 185-23-A

Ground Surface Platted by	S.S.W.
" Checked by	L.Z.
Template Sections Platted by	T.S.
" Checked by	
Areas by	D.A.P.
" Checked by	M.J.S.
Template Sections Revised by	
" Checked by	
Final Areas by	
" Checked by	
Quantity Transferred and Inked by	

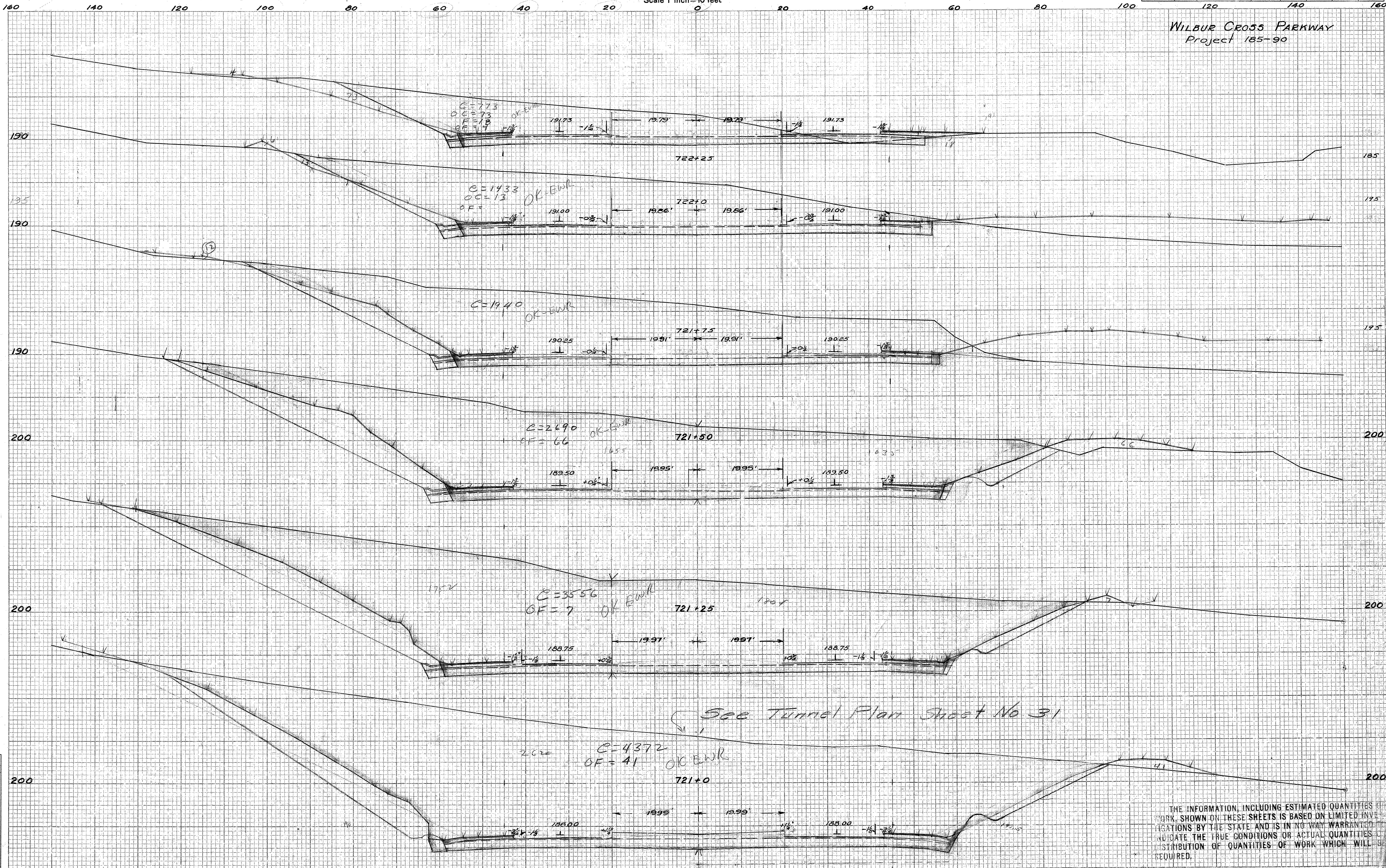
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CROSS SECTIONS

Scale 1 inch = 10 feet

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947		66	73

WILBUR CROSS PARKWAY
Project 185-90



NOTE BOOK NO. 185-23-A

Ground Surface Platted by S.S.W.
 Checked by L.Z.
 Template Sections Platted by T.H.S.
 Checked by L.B.W.
 Areas by H.W.G.
 Checked by L.B.W.
 Template Sections Revised by _____
 Checked by _____
 Final Areas by H.T.T.
 Checked by T.R.
 Quantity Transferred and Inked by _____

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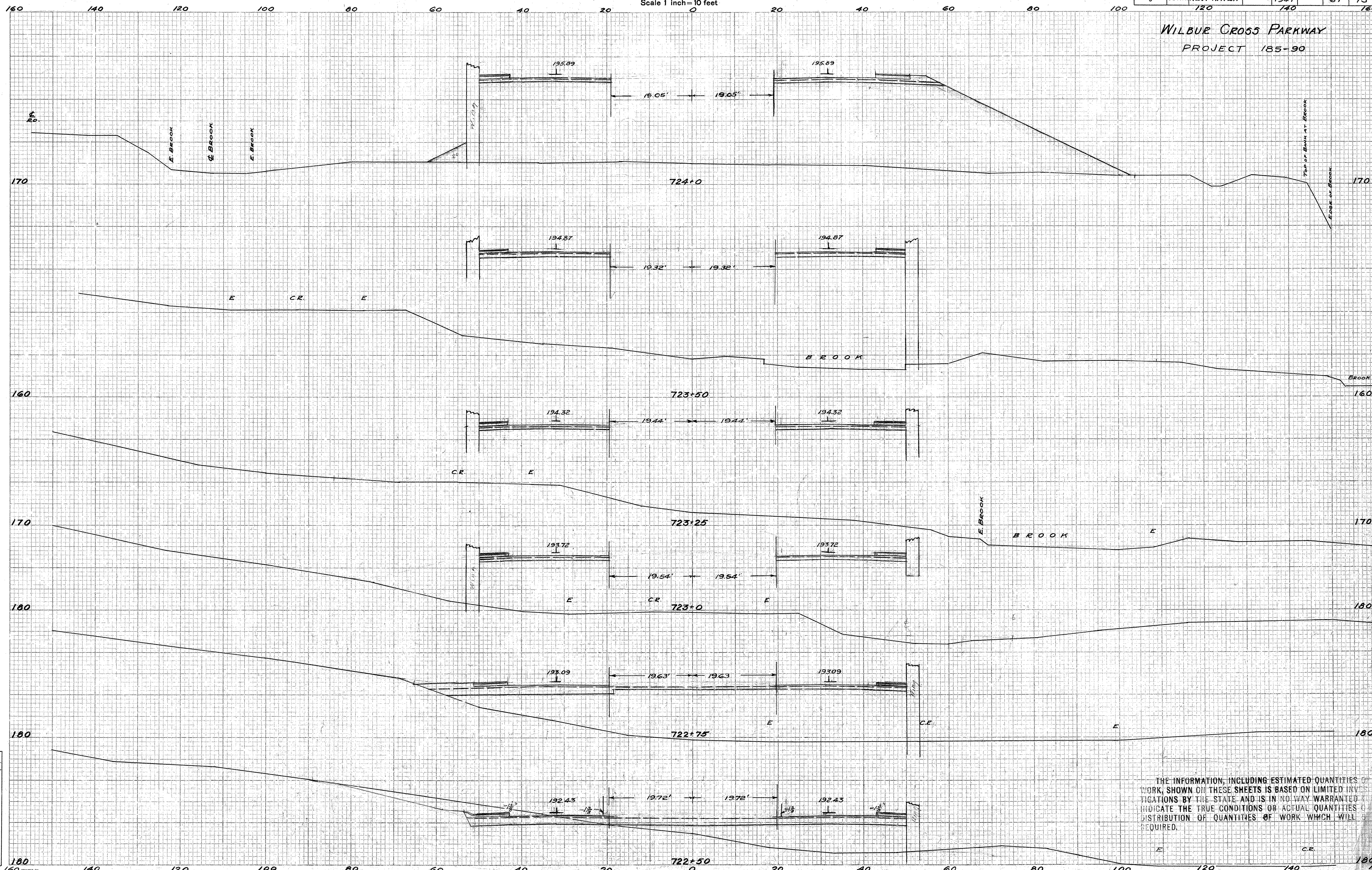
147-03

CROSS SECTIONS

Scale 1 inch=10 feet

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	NEW HAVEN		1947	120	67	73

WILBUR CROSS PARKWAY
PROJECT 185-90



NOTE BOOK NO. 185-23-A
 Ground Surface Plotted by S.S.W.
 Checked by L.Z.
 Template Sections Plotted by T.H.S.
 Checked by H.B.W.
 Area by H.W.G.
 Checked by L.B.W.
 Template Sections Revised by
 Checked by
 Final Areas by
 Checked by
 Quantity Transferred and Inked by

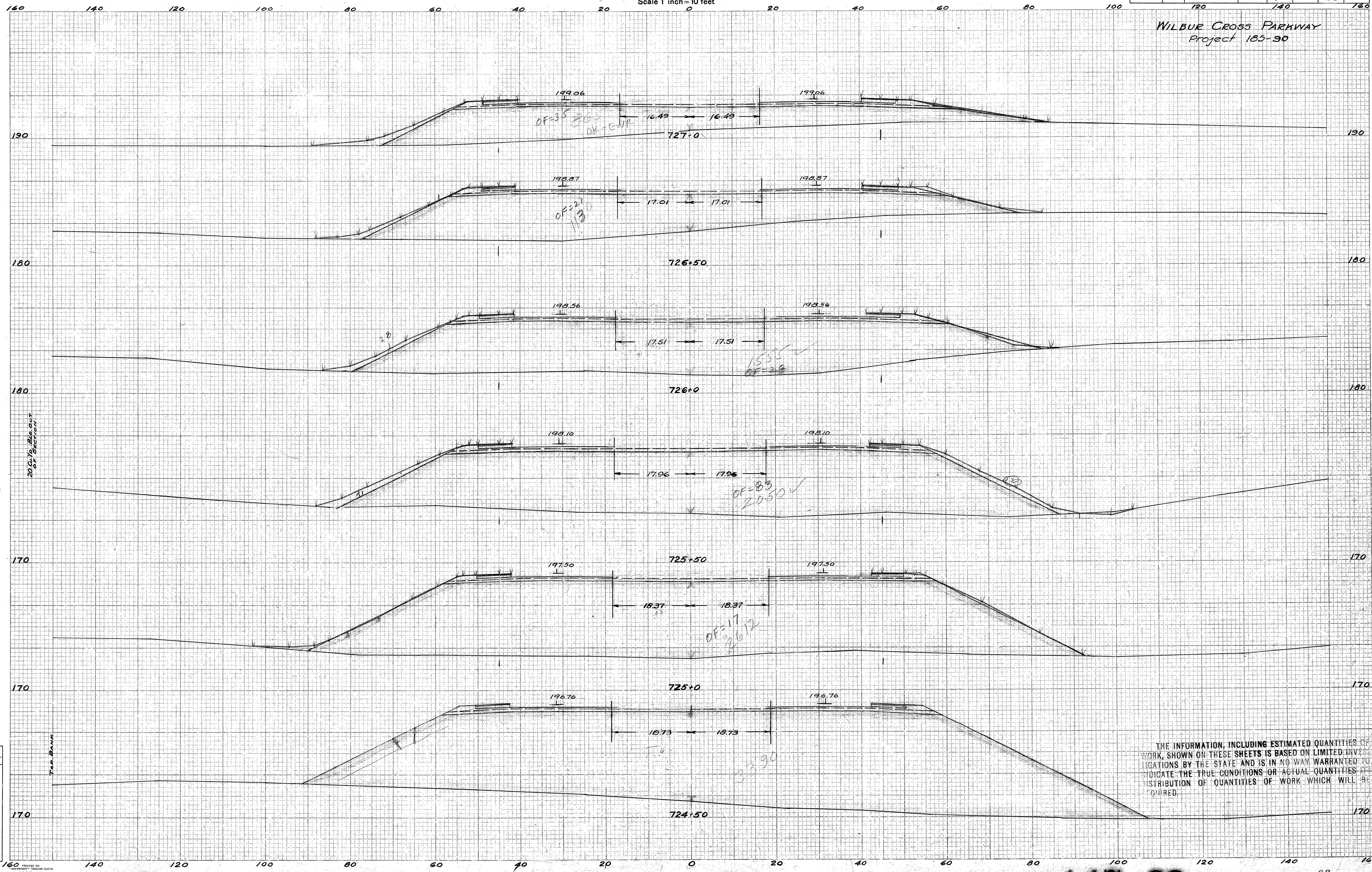
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CROSS SECTIONS

Scale 1 inch = 10 feet

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	HAMDEN		1947	120	68	73

WILBUR CROSS PARKWAY
Project 185-90



1/8
3/4
7/8

20' to 1/2" = 100' SECTION

Top Bank

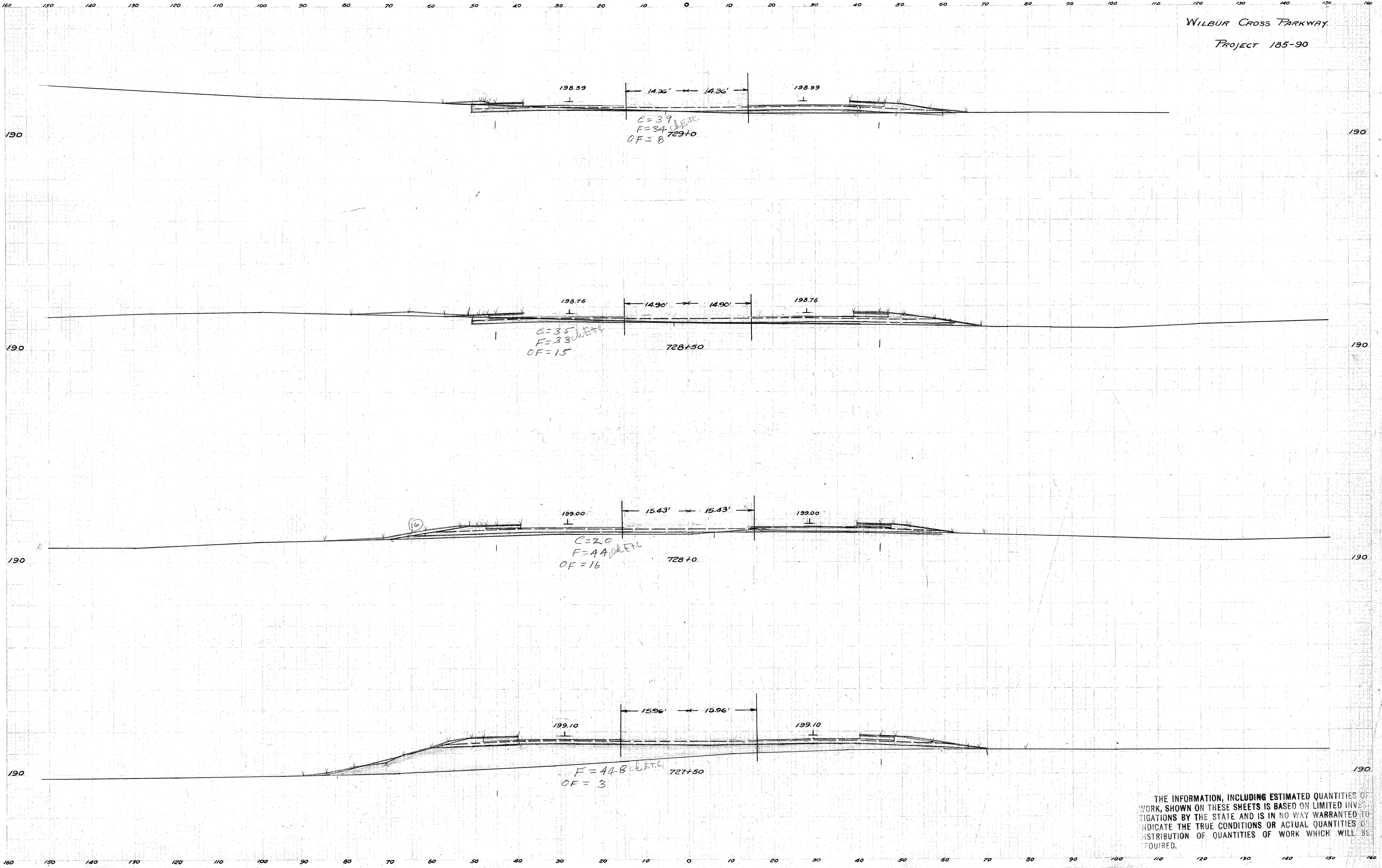
NOTE BOOK NO. 185-23-A
Ground Surface Plotted by S.S.W.
Checked by L.Z.
Plate Sections Plotted by T.H.J.
Checked by L.B.W.
Checked by T.R.
Checked by L.W.B.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OF DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CROSS SECTIONS
SCALE 1 INCH = 10 FEET

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	HAMDEN		1947		69	73

WILBUR CROSS PARKWAY
PROJECT 185-90



NOTE BOOK NO. 185-23 A
Ground Surface Platted by S.S.W.
" " Checked by L.Z.
Template Sections Platted by T.H.S.
" " Checked by L.B.W.
Areas by T.R.
" " Checked by L.B.W.
Template Sections Revised by _____
" " Checked by _____
Final Areas by _____
" " Checked by _____
Quantity Transferred and Inked by _____

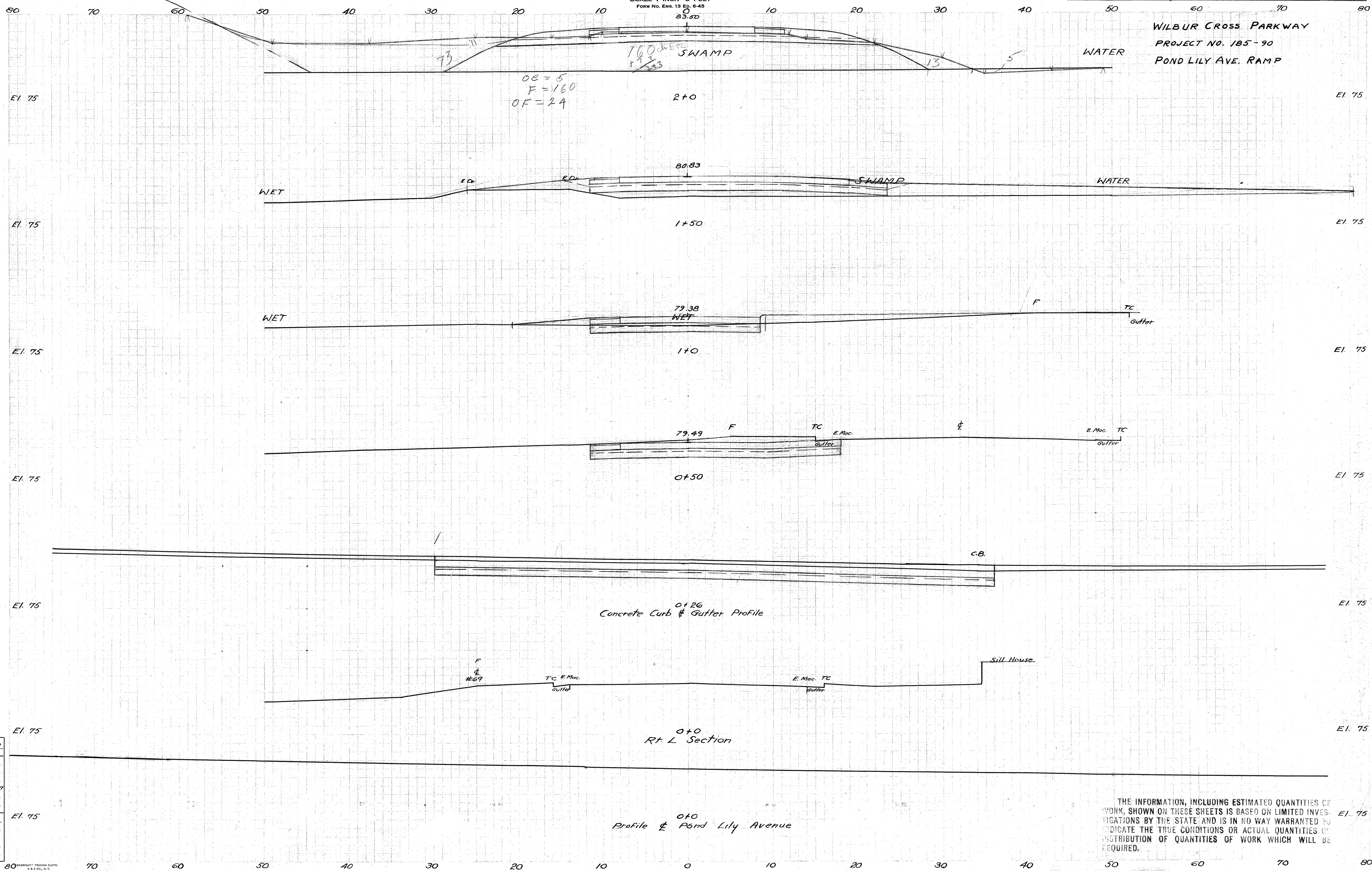
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CROSS SECTIONS

SCALE 1 INCH=5 FEET
FORM No. Eng. 13 Ed. 6-45

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	STATE PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	New Haven and Westbridge			1947		70	73

WILBUR CROSS PARKWAY
PROJECT NO. 185-90
POND LILY AVE. RAMP



NOTE BOOK NO. 185-66-A
Ground Surface Plotted by G.S. Koch
" " Checked by L.E. Fitts
Template Sections Plotted by L. Osterling
" " Checked by J.J. O'Brien
Areas by H. Cahoon
" " Checked by J.J. O'Brien

Final Sections Plotted by _____
" " Checked by _____
Final Areas by _____
" " Checked by _____
Quantity Transferred and Inked by _____

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OF DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

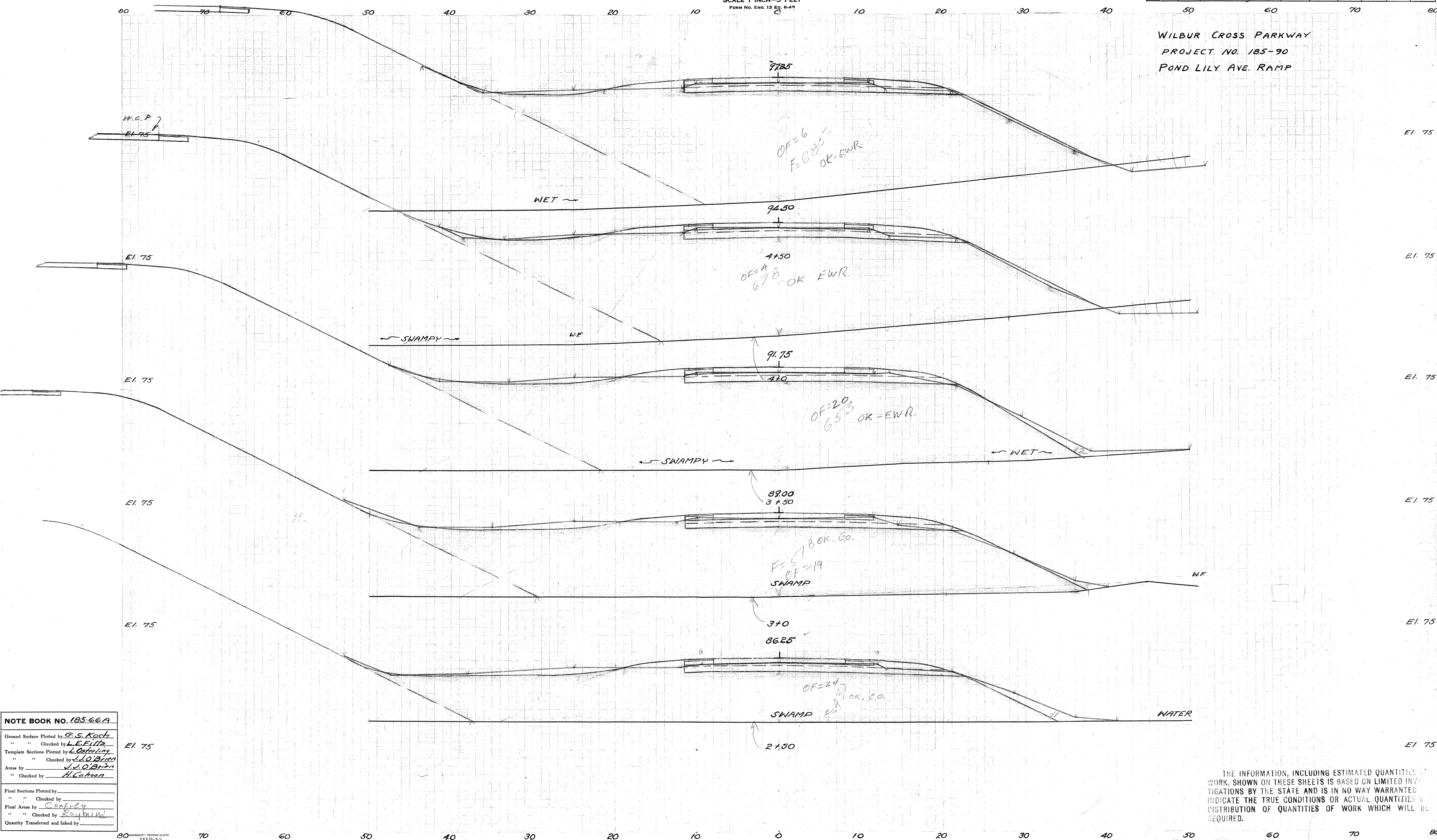
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	STATE PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	New Haven and Woodbridge		185-90	1947		71	73

WILBUR CROSS PARKWAY
PROJECT NO. 185-90
POND LILY AVE. RAMP



NOTE BOOK NO. 185-66A

Ground Surface Plotted by G.S. Koch
 " " Checked by L.E. Flitz
 Template Sections Plotted by L. Osterling
 " " Checked by J.J. O'Brien
 Areas by J.J. O'Brien
 " Checked by H. Caboon

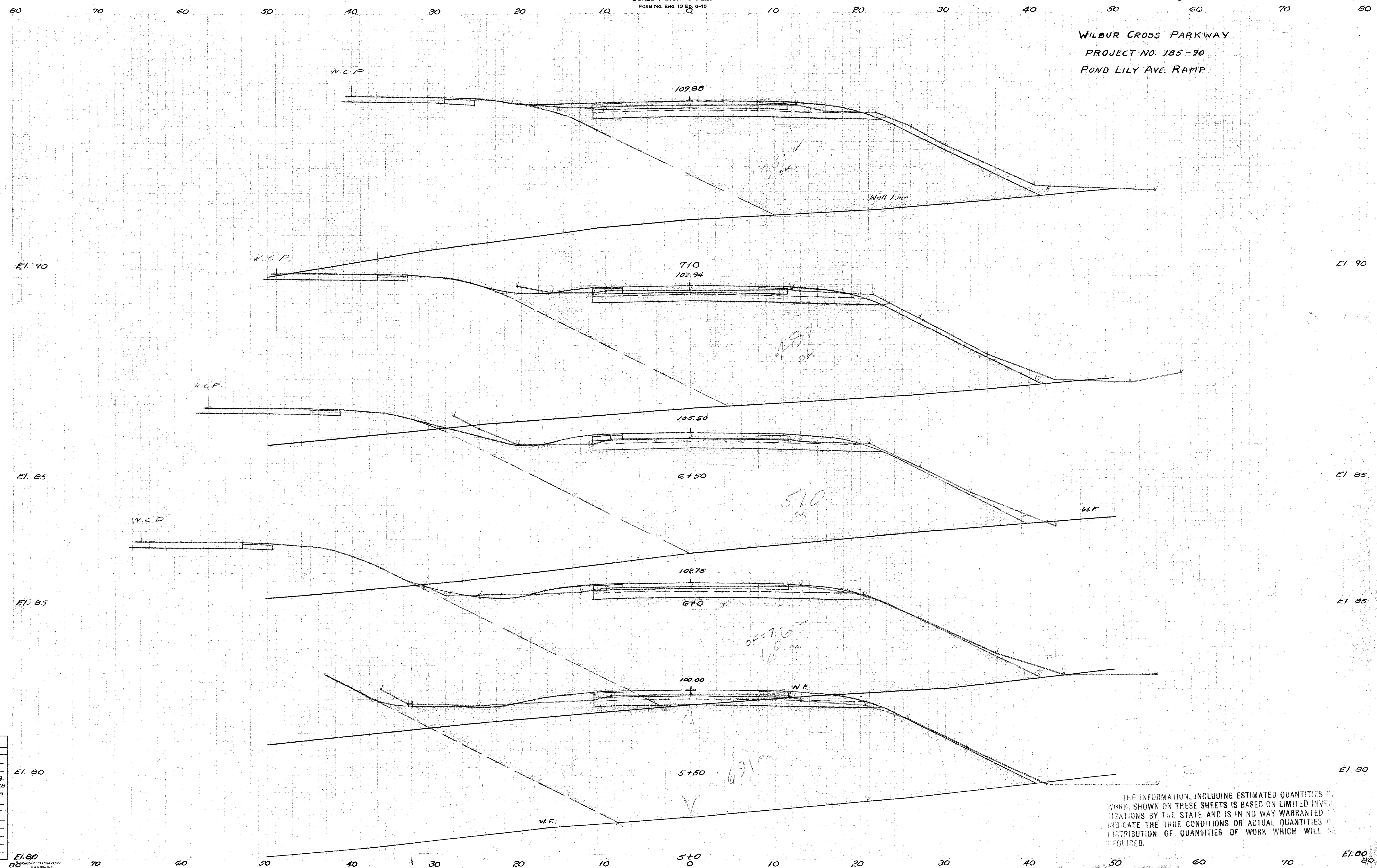
Final Sections Plotted by _____
 " " Checked by _____
 Final Areas by Conerly
 " " Checked by Raymond
 Quantity Transferred and Inked by _____

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CROSS SECTIONS
 SCALE 1 INCH=5 FEET
 Form No. Eng. 13 Ed. 6-45

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	STATE PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
7	CONN.	New Haven and Woodbridge	185-90	1947		72	73	

WILBUR CROSS PARKWAY
 PROJECT NO. 185-90
 POND LILY AVE. RAMP



NOTE BOOK NO. 185-66 A
 Ground Surface Plotted by G.S. Koch
 " " Checked by L.E. Fitts
 Template Sections Plotted by L. Osterling
 " " Checked by J.J. O'Brien
 Areas by J.J. O'Brien
 " " Checked by H. Cahoon
 Final Sections Plotted by _____
 " " Checked by _____
 Final Areas by _____
 " " Checked by _____
 Quantity Transferred and Inked by _____

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OF DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

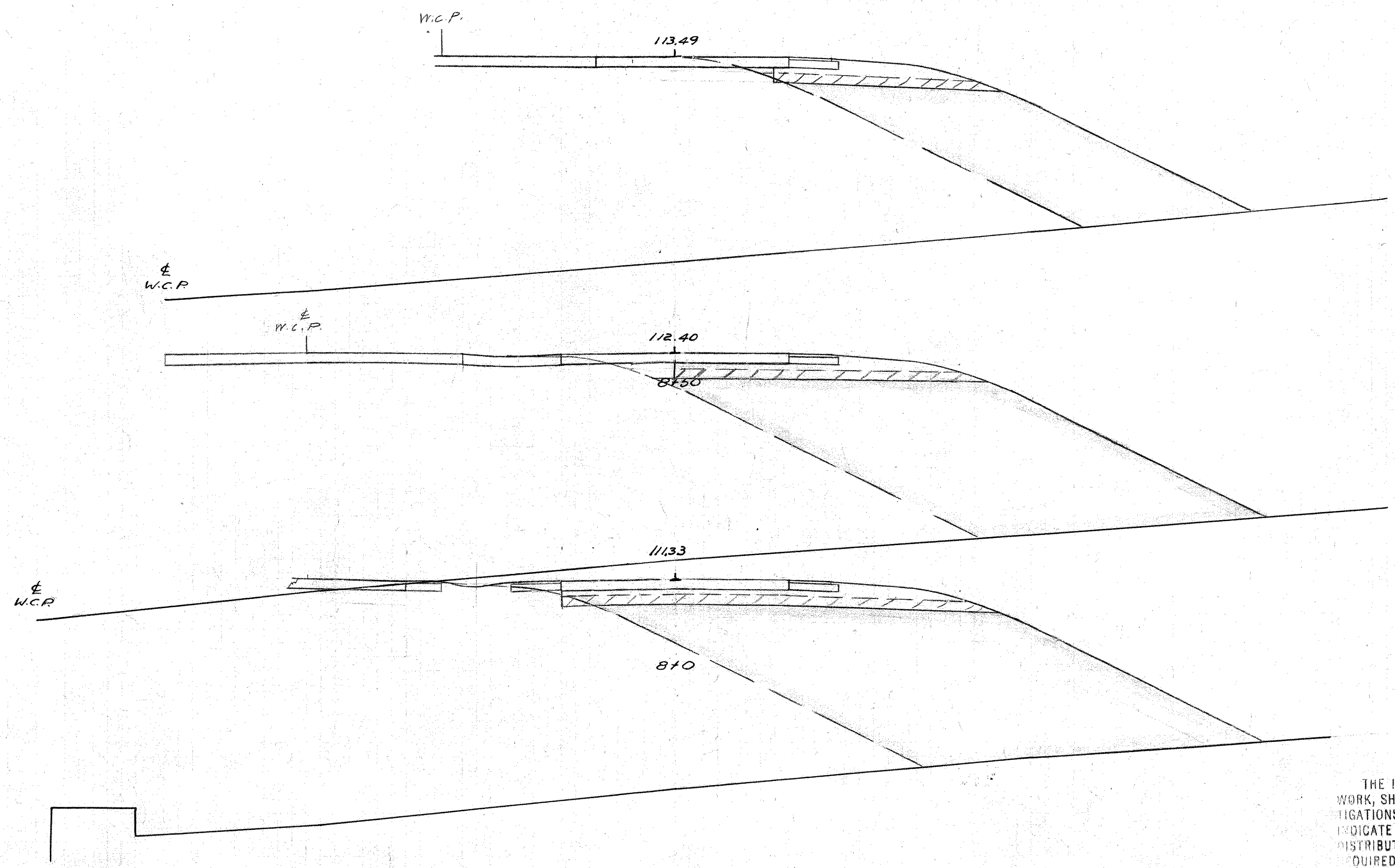
CROSS SECTIONS

SCALE 1 INCH=5 FEET
FORM NO. ENG. 13 E-6-45

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	STATE PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	New Haven and Woodbridge		185-90	1947		73	73

WILBUR CROSS PARKWAY
PROJECT NO. 185-90
POND LILY AVE. RAMP

80 70 60 50 40 30 20 10 10 20 30 40 50 60 70 80



E1. 90

E1. 90

E1. 90

E1. 90

NOTE BOOK NO. 185-66A

Ground Surface Plotted by G. S. Koch
 " " Checked by L. E. Fitta
 Template Sections Plotted by L. Osterling
 " " Checked by J. J. O'Brien
 Areas by J. J. O'Brien
 " " Checked by H. Cahoon
 Final Sections Plotted by _____
 " " Checked by _____
 Final Areas by _____
 " " Checked by _____
 Quantity Transferred and Inked by _____

E1980
80

70 60 50 40 30 20 10 10 20 30 40 50 60 70 80

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147 03

185 90

E1. 90

73

WEST ROCK TUNNELS
CONSTRUCTED UNDER THE SUPERVISION
OF THE
CONNECTICUT STATE HIGHWAY DEPARTMENT
COMPLETED ——— NOVEMBER 1949

GOVERNORS

RAYMOND E. BALDWIN

JAMES L. McCONAUGHY

WILBERT SNOW

JAMES J. SHANNON

CHESTER BOWLES

HIGHWAY COMMISSIONERS

WILLIAM J. COX

G. ALBERT HILL

DEPUTY HIGHWAY COMMISSIONERS

ARTHUR W. BUSHELL

ROY E. JORGENSEN

CONSULTING ENGINEERS

PARSONS BRINCKERHOFF HALL AND MACDONALD

CONTRACTORS

GULL CONTRACTING CO. INC AND L. G. DEFELICE & SON INC. NEW YORK N.Y.

4-8

3-6

Scale - 4" = 1'-0"



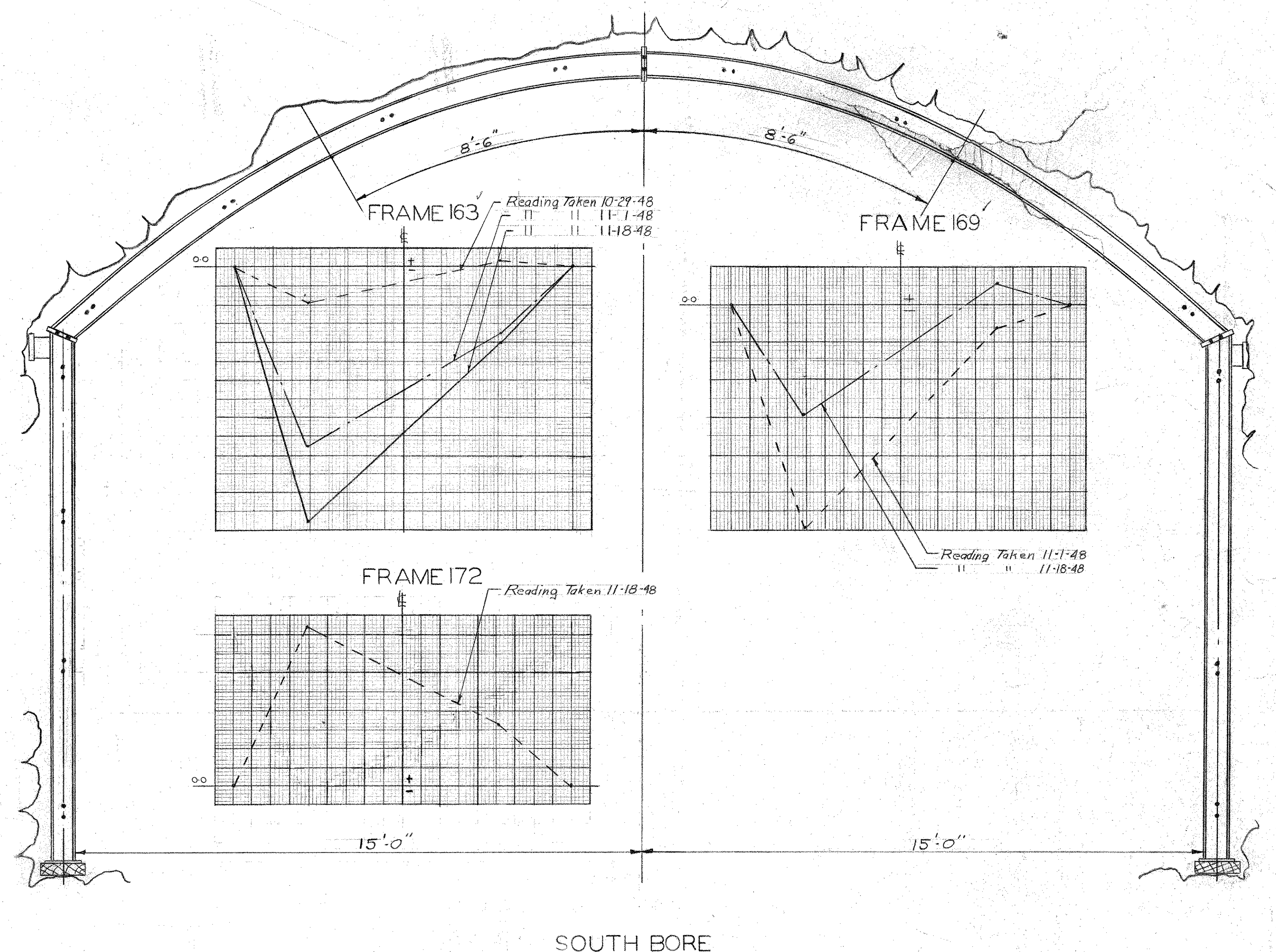
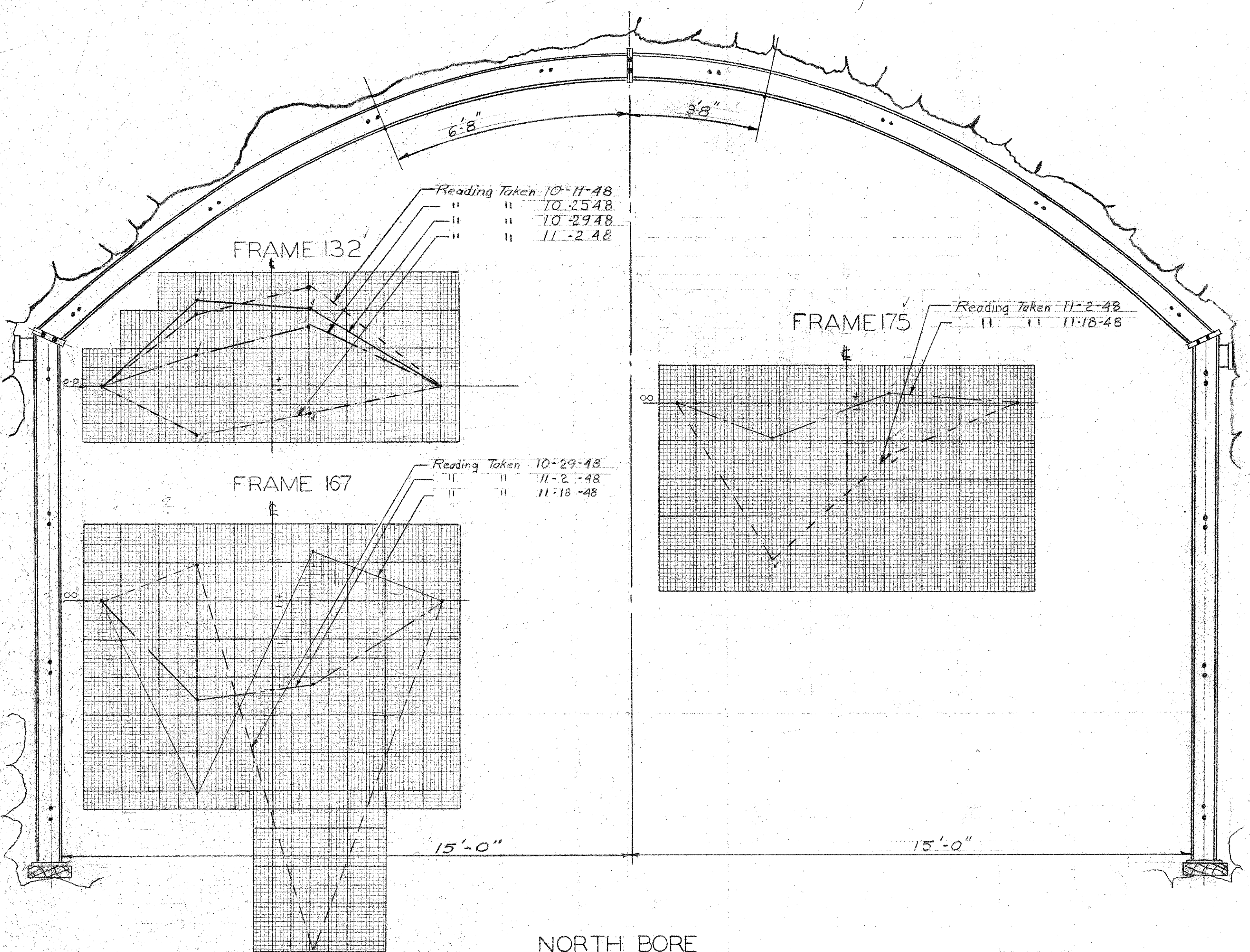
PROPOSED COMMEMORATIVE TABLET
WEST ROCK TUNNEL - NEW HAVEN CONN
CONNECTICUT STATE HIGHWAY DEPARTMENT
165 Capital Avenue Hartford Conn.

Sept 2-1949 Drawn by G.L.D.

Material - BRONZE - SHOT BLASTED
LETTERS - Roman - Static - Polished Faces
Fastenings - 4- Exp Bolts of Bronze

One Required - Mounted on one Face.
Completely erected - by - Oct 15-1949.

147 03



NORTH BORE

SOUTH BORE

Frame No	Date Taken	Cond. of Frame	Avg. Rdg.	Avg. Diff.	Stress
132	10-4	Unloaded	.0636	-	-
	10-11	Loaded	.0655	+.0019	+5700
	10-25	"	.06445	+.00085	+2350
	10-29	"	.06587	+.00227	+6810
	11-2	"	.0623	-.0013	-3900
167	10-25	Unloaded	.07115	-	-
	10-29	Loaded	.0721	+.00095	+2805
	11-2	"	.06863	-.00252	-7560
	11-18	"	.0661	-.00505	-15150
175	10-29	Unloaded	.06505	-	-
	11-2	Loaded	.0609	-.00415	-12450
	11-18	"	.06418	-.00095	-2850

Frame No	Date Taken	Cond. of Frame	Avg. Rdg.	Avg. Diff.	Stress
132	10-4	Unloaded	.07125	-	-
	10-11	Loaded	.07385	+.0026	+7800
	10-25	"	.0729	+.00165	+4950
	10-29	"	.07333	+.00208	+6240
	11-2	"	.0705	-.00075	-2250
167	10-25	Unloaded	.06653	-	-
	10-29	Loaded	.05733	-.0092	-27600
	11-2	"	.0644	-.00213	-6390
	11-18	"	.06783H	+.0013	+3900
175	10-29	Unloaded	.06967	-	-
	11-2	Loaded	.06827	-.0014	-4200
	11-18	"	.06993B	+.00026	+780

Frame No	Date Taken	Cond. of Frame	Avg. Rdg.	Avg. Diff.	Stress
163	10-26	Unloaded	.06567	-	-
	10-29	Loaded	.06473	-.00094	-2820
	11-1	"	.06083	-.00484	-14520
	11-18	"	.05892	-.00675	-20250
169	10-29	Unloaded	.06263	-	-
	11-1	Loaded	.0567	-.00593	-17790
	11-18	"	.05966	-.00297	-8910
172	11-1	Unloaded	.06473	-	-
	11-18	Loaded	.06903	+.0043	+12900

Frame No	Date Taken	Cond. of Frame	Avg. Rdg.	Avg. Diff.	Stress
163	10-26	Unloaded	.06777	-	-
	10-29	Loaded	.06787	+.00017	+510
	11-1	"	.06595	-.00175	-3250
	11-18	"	.0657	-.0020	-6000
169	10-29	Unloaded	.0699	-	-
	11-1	Loaded	.0693	-.0006	-1800
	11-18	"	.07047	+.00057	+1710
172	11-1	Unloaded	.07385	-	-
	11-18	Loaded	.0755	+.00165	+4950

*-Roof of Frame Shifted South

H-Blocked and Hid by Rock
B-Blocked

CONNECTICUT
STATE HIGHWAY DEPT.

WEST ROCK TUNNEL

Stress Readings on Steel Frames

Scale 1/2" = 1'-0"

Deformation Readings taken by C.L. Nord
Checked by " " W. Brandt
Avg. Ehrenfels
Recording made by Aug. Ehrenfels

Made By H.S.F.
Checked By J.Mh.
App. By _____ Date 11-23-48

Project No. _____
Sheet No. 1 of 1