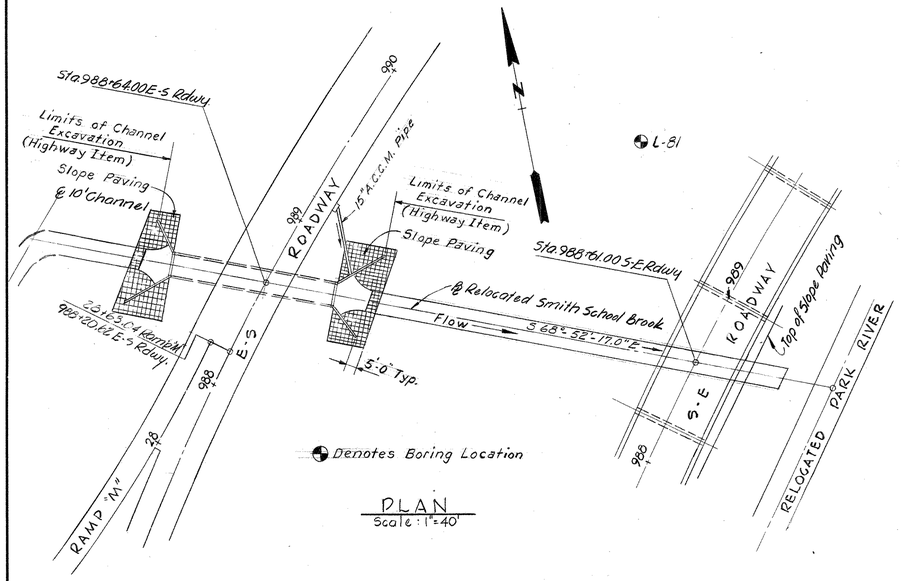
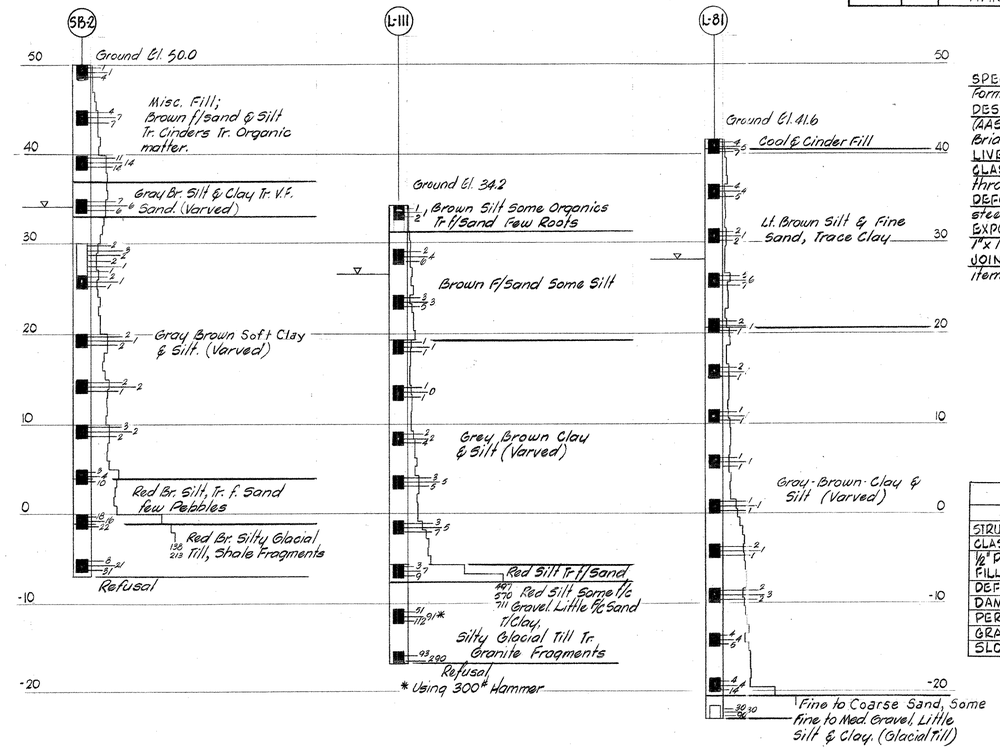
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	X-I-84-4 S-141(159)	63-184	1962	I-84	127	200



PLAN
Scale: 1" = 40'

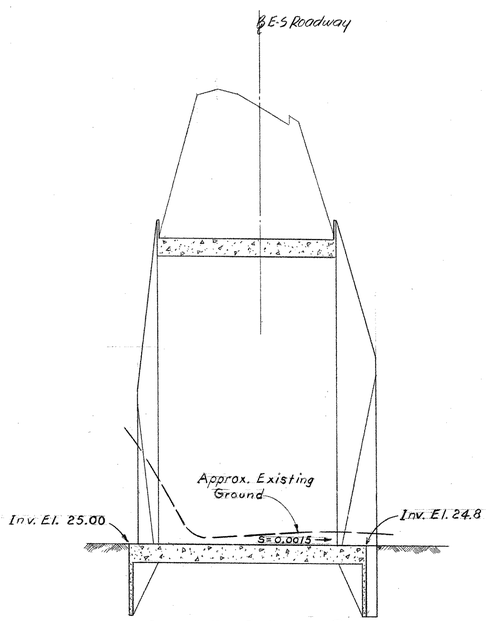


GENERAL NOTES

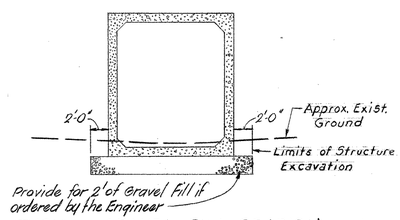
SPECIFICATIONS: Conn. State Highway Department Form 808 (Jan. 1955) and Special Provisions
DESIGN SPECIFICATIONS: Std. Spec. for Hwy. Bridges (AASHO 1961) as supplemented by the Conn. Hwy. Dept. Bridge Manual July 1961 with revisions to date.
LIVE LOAD: H20-S16-44
CLASS "A" CONCRETE: Class "A" Concrete shall be used throughout. See Special Provisions.
DEFORMED STEEL BARS: For grades of deformed steel bars. See Special Provisions.
EXPOSED EDGES: Exposed edges shall be beveled 1" x 1" unless dimensioned otherwise.
JOINT SEAL: Joint Seal shall be included in the item for Class "A" Concrete. See Special Provisions

QUANTITIES

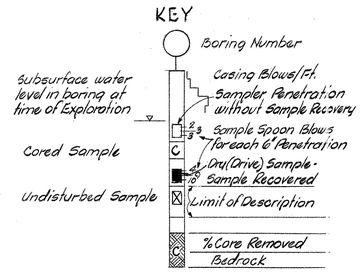
ITEM	TOTAL	UNIT
STRUCTURE EXCAVATION - EARTH (COMPLETE)	314	C.Y.
CLASS "A" CONCRETE	345	C.Y.
1/2" PREMOULDED BITUMINOUS JOINT FILLER FOR BRIDGES	182	S.F.
DEFORMED STEEL BARS	61,200	LB.
DAMPPROOFING	622	S.Y.
PERVIOUS STRUCTURE BACKFILL	1970	C.Y.
GRAVEL FILL	212	C.Y.
SLOPE PAVING	266	S.Y.



PROFILE OF CULVERT
Scale: Horiz. 1" = 40'
Vert. 1" = 4'



TYPICAL GRAVEL FILL SECTION
Scale: 1/8" = 1'-0"



Casing I.D. = 2 1/2" Sampler I.D. = 1 3/8"
Hammer Wt. = 300 lbs. Hammer Wt. = 140 lbs.
Hammer Fall = 24" Hammer Fall = 30"
Scale: Vert. = 1/8" = 1'-0"
Casing = 1" = 100 Blows/Ft.

ABBREVIATIONS

C.	Coarse
F.	Fine
M.	Medium
G.	Gravel
S.	Sand
Boul.	Boulders
Cobb.	Cobbles
Lit.	Little
Tr.	Trace
Misc.	Miscellaneous
Org.	Organic

REVISIONS		
NO.	DATE	DESCRIPTION

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
CITY OF HARTFORD
INTERSTATE ROUTE 84
E-S ROADWAY
OVER
SMITH SCHOOL BROOK
GENERAL PLAN

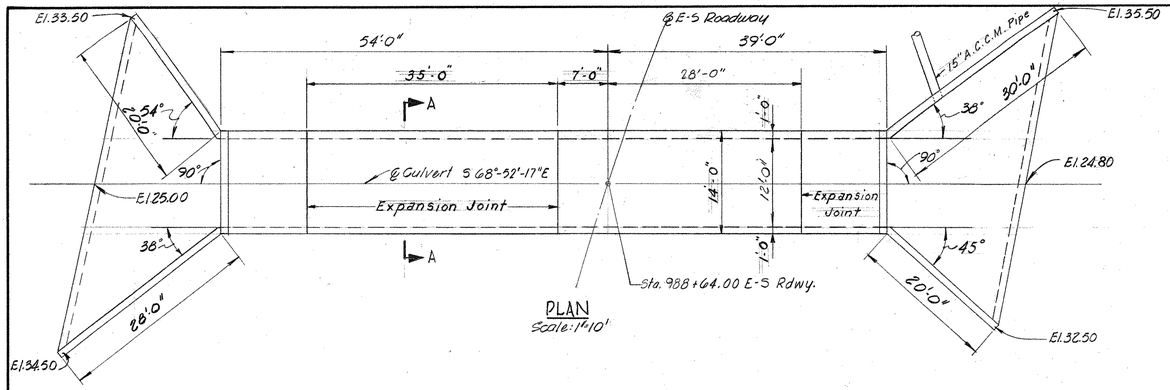
DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES As Noted
MADE BY J.J.O. DATE 6/28/62
CHECKED BY R.H.C. DATE 7/10/62
APPROVED John L. Hayden DATE 8/9/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 1 OF 2

DRAWN BY Killam
CHECKED BY
BRIDGE No. 01

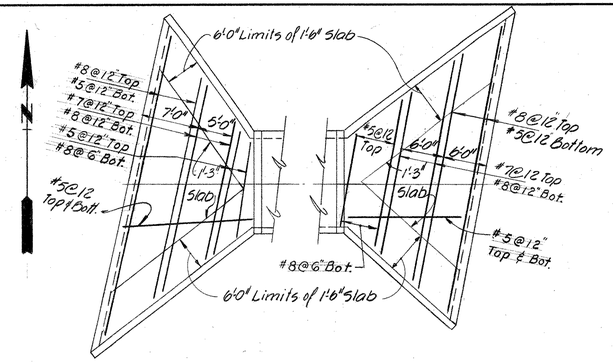
250-1260-BBP

63-184

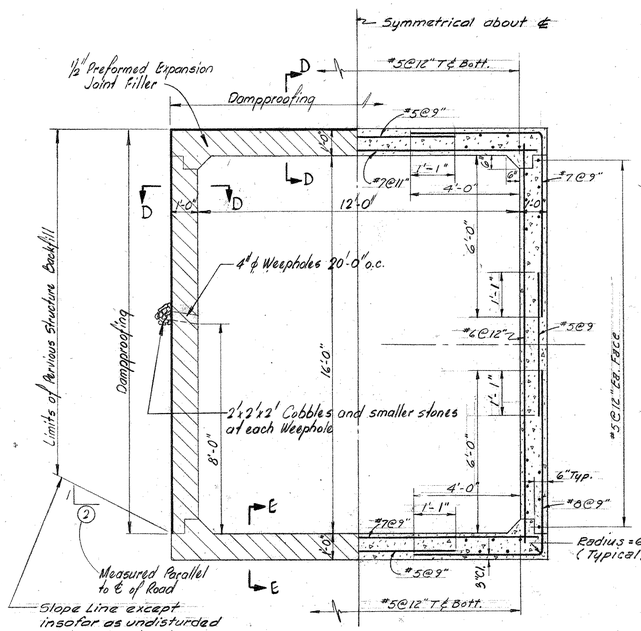
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-75-2(4) S-(41) S3	63-184	1962	I-84	128	200



PLAN
Scale: 1"=10'

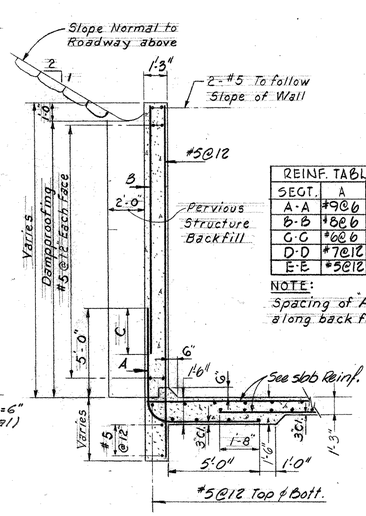


SLAB REINFORCING
Scale: 1"=10'



SECTION A-A
Scale: 3/16"=1'-0"

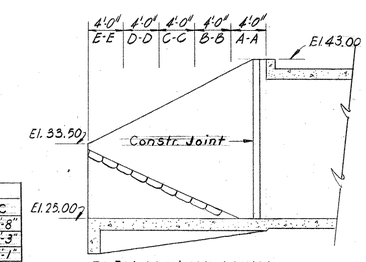
Max. Soil Pressure = 1.27 ▯



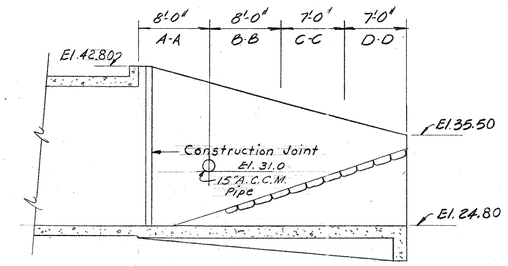
TYPICAL WINGWALL SECTION
Scale: 1/4"=1'-0"

REINF. TABLE			
SECT.	A	B	C
A-A	#9@6	#8@12	1'-8"
B-B	#8@6	#6@12	1'-3"
C-C	#6@6	#5@12	1'-1"
D-D	#7@12	#5@12	1'-1"
E-E	#5@12	#5@12	1'-1"

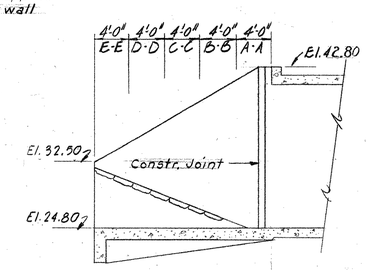
NOTE:
Spacing of "A" Bars applies along back face of wall.



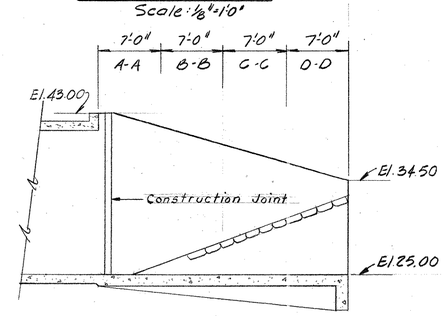
ELEV. N.W. WINGWALL
Scale: 1/8"=1'-0"



ELEV. N.E. WINGWALL
Scale: 1/8"=1'-0"

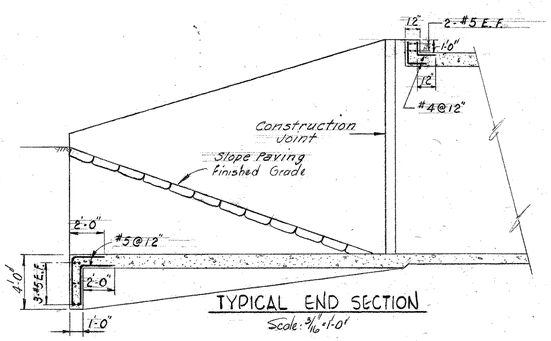


ELEV. S.E. WINGWALL
Scale: 1/8"=1'-0"

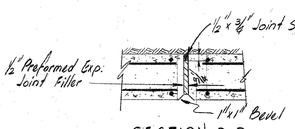


ELEV. S.W. WINGWALL
Scale: 1/8"=1'-0"

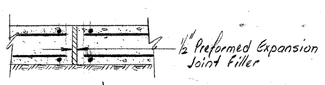
NOTE:
All Reinforcing Bars to have 2" cover except as noted.



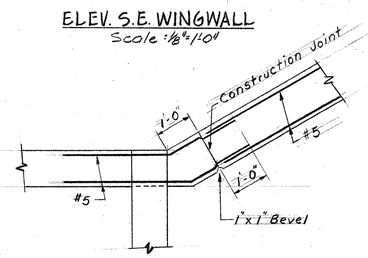
TYPICAL END SECTION
Scale: 3/16"=1'-0"



SECTION D-D
No Scale



SECTION E-E
No Scale



TYPICAL WINGWALL CORNER DETAIL
Scale: 1/2"=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.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
E-S ROADWAY
OVER
SMITH SCHOOL BROOK
CONCRETE DETAILS

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES As Noted
MADE BY J.J.O. DATE 6/28/62
CHECKED BY R.H.C. DATE 7/10/62
APPROVED Hunter L. Heydebrand DATE 8/9/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 2 OF 2

DRAWN BY Lecce
CHECKED BY
Bridge No. C-11

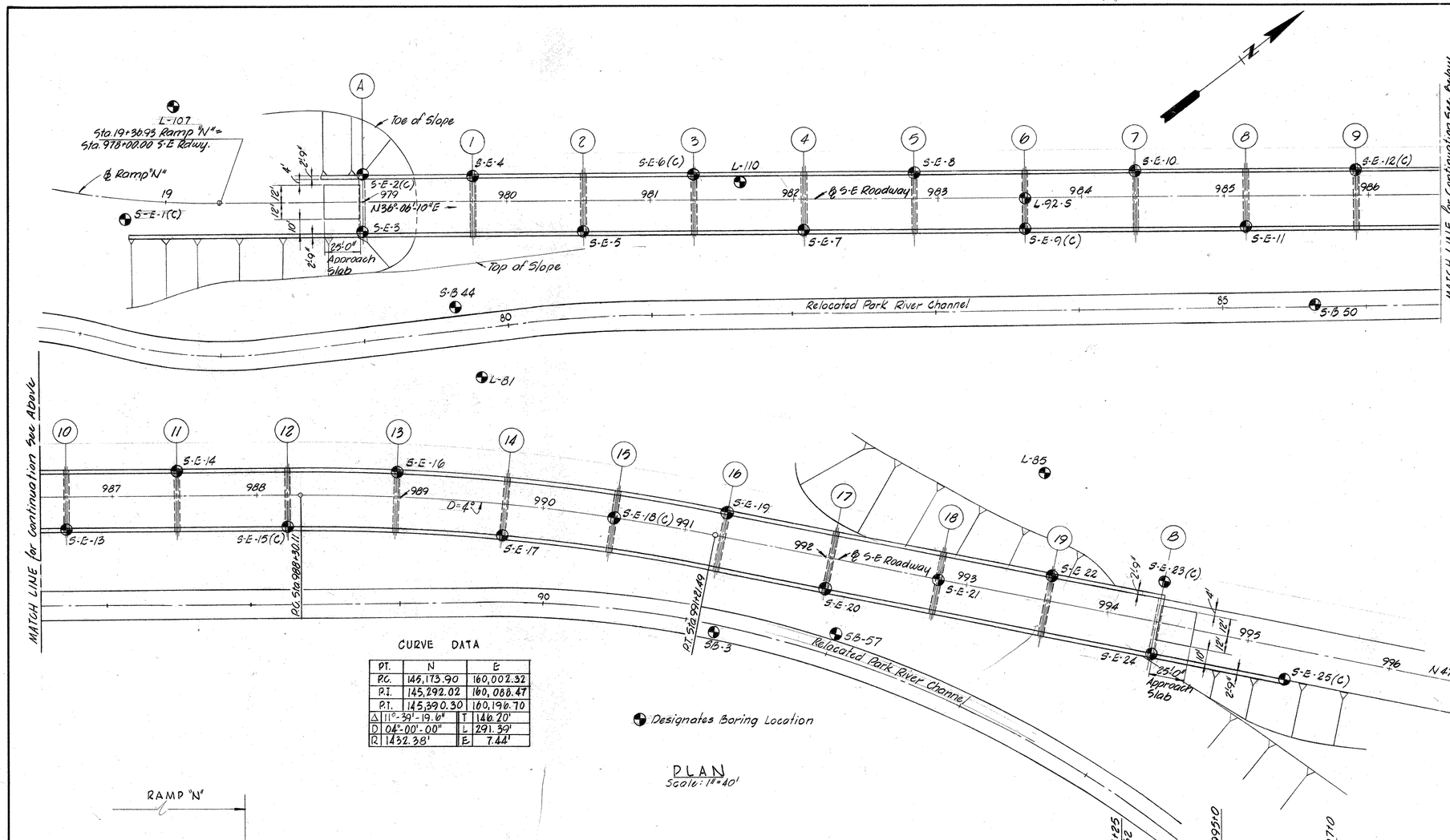
250-1260-BBP

63 184

M 292 01

128

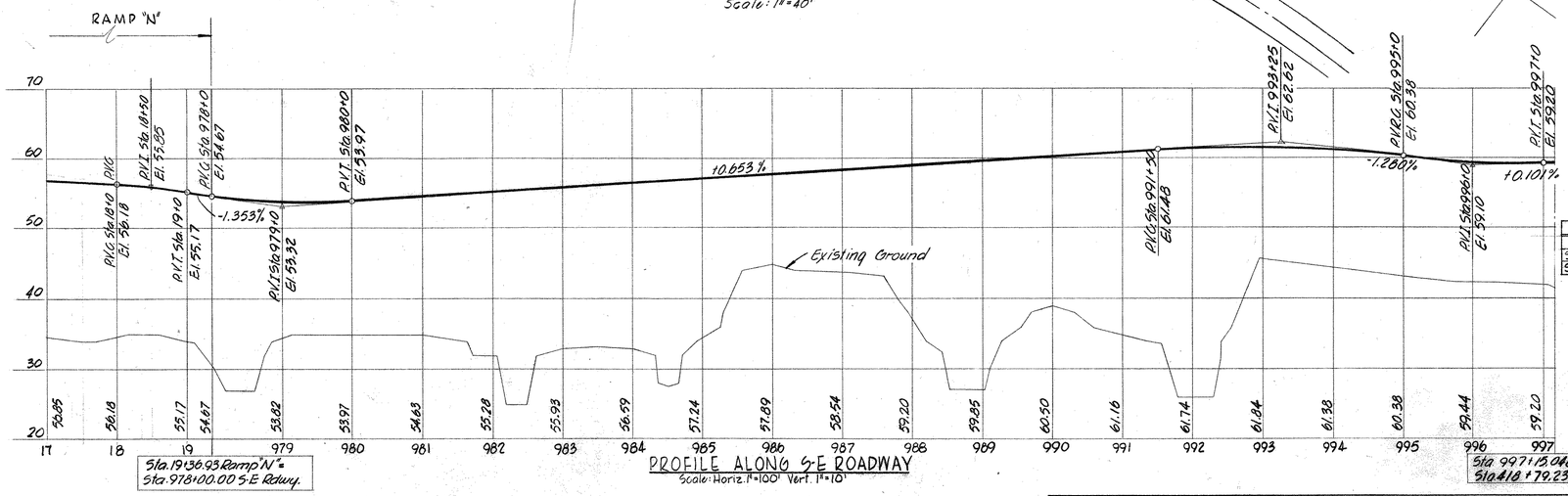
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-(6-84) 3-(41)59	63-184	1962	I 84	109	200



CURVE DATA

PT.	N	E		
P.C.	145,173.90	160,002.32		
P.I.	145,292.02	160,088.47		
P.T.	145,390.30	160,196.70		
Δ	11°-39'-19.6"	T	146.20'	
D	04°-00'-00"	L	291.39'	
R	1432.38'	E	7.44'	

PLAN
Scale: 1" = 40'



PROFILE ALONG S-E ROADWAY
Scale: Horiz. 1" = 100' Vert. 1" = 10'

GENERAL NOTES

SPECIFICATIONS: Connecticut State Highway Department Form 808 (Jan. 1955) and Special Provisions.

DESIGN SPECIFICATIONS: Standard Specifications for Highway Bridges (AASHO-1961) except as modified by the Bureau of Public Roads "Policy on Interstate System Projects" (Aug. 1956) and as supplemented by the Connecticut Highway Department Bridge Manual July, 1961.

LIVE LOAD: H-20-S16-44. All 24000# dual axle at 4'-0" o.c.

FUTURE PAVING ALLOWANCE: 25 #/p.s.f.

COMPOSITE CONSTRUCTION: No Temporary intermediate supports shall be used during the pouring and setting of the Concrete Deck Slab (Temporary supports may be used for Prestressed Beam erection only.) Live and Superimposed Dead Loads shall be permitted when directed by the engineer but not less than 10 days after the slab has been poured.

CLASS "A" CONCRETE: Class "A" Concrete shall be used for the entire Substructure. See special Provisions.

CLASS "C" CONCRETE: Class "C" Concrete shall be used for Bridge Decks including concrete safety walks, and parapets. See Special Provisions

EXPOSED EDGES: Exposed edges shall be beveled 1" × 1" unless dimensioned otherwise.

JOINT SEAL: See Special Provisions.

REINFORCING STEEL: See Special Provisions for deformed Steel Bars.

FELT: The cost of furnishing and placing 15# felt is included in the item for Class "A" Concrete.

PARAFFIN: The cost of furnishing and applying paraffin is included in the item for Class "C" Concrete.

FOUNDATION LOADS: The various group loadings noted on the substructure plan sheets refer to the group loads as given in subsection 1.4.1 of AASHO Standard Specifications for Highway Bridges.

SEQUENCE OF OPERATIONS: See Special Provisions and Roadway Plans for Construction Requirements at this Site.

SUBDIVISION for CONCRETE		
SUPERSTRUCTURE (CLASS C)	2,550	C.Y.
SUBSTRUCTURE (CLASS A)	931	C.Y.
FOOTINGS (CLASS A)	226	C.Y.
TOTAL	3,707	C.Y.

QUANTITIES		
ITEMS	TOTAL	UNIT
PERVIOUS STRUCTURE BACKFILL	950	C.Y.
6" A.C.C.M. PIPE	52	L.F.
PRESTRESSED CONCRETE BEAMS	7,644	L.F.
STRUCTURE EXCAVATION - EARTH (COMPLETE)	85	C.Y.
CLASS "A" CONCRETE	1157	C.Y.
CLASS "C" CONCRETE	2550	C.Y.
½" PREFORMED EXP. JT. FILLER FOR BRIDGES	212	S.F.
1" PREFORMED EXP. JT. FILLER FOR BRIDGES	21	S.F.
DEFORMED STEEL BARS	743,000	LB.
DAMPROOFING	620	S.Y.
METAL BRIDGE RAIL	3,344	L.F.
PILE LOADING TEST	1	EA.
POINT REINFORCMENT FOR STEEL PILES	5	EA.
TEST PILE (STEEL 10BP42 60' LONG)	1	EA.
TEST PILE (STEEL 10BP42 70' LONG)	1	EA.
DRIVING STEEL PILES	5,020	L.F.
SPLICING STEEL PILES	5	EA.
FURNISHING STEEL PILES	210,840	LB.
18" × 18" × 10" CAST IRON JUNCTION BOX	7	EA.
6" × 9½" GRANITE STONECURBING FOR BRIDGES	3,344	L.F.
NEOPRENE PLATE FOR BRIDGE EXP. JOINT	840	L.F.
2" RIGID STEEL CONDUIT IN STRUCTURES	1782	L.F.
BRIDGE SCUPPER	37	EA.
6" CAST IRON PIPE FOR BRIDGE DRAINAGE	168	L.F.
NEOPRENE BEARING PLATE FOR PRESTRESSED CONCRETE BEAMS	200	EA.
TEST PILE (PRESTRESSED CONC. 60' LONG) ALT. "A"	1	EA.
TEST PILE (PRESTRESSED CONC. 80' LONG) ALT. "A"	2	EA.
TEST PILE (PRESTRESSED CONC. 60' LONG) ALT. "B"	1	EA.
TEST PILE (PRESTRESSED CONC. 80' LONG) ALT. "B"	2	EA.
FURNISHING PRESTRESSED CONC. PILES ALT "A"	3297	L.F.
FURNISHING PRESTRESSED CONC. PILES ALT "B"	5495	L.F.
DRIVING PRESTRESSED CONCRETE PILES ALT "A"	3297	L.F.
DRIVING PRESTRESSED CONCRETE PILES ALT "B"	5495	L.F.

QUANTITIES		
ITEMS	TOTAL	UNIT
SPLICING PRESTRESSED CONCRETE PILES ALT. "A"	3	EA.
SPLICING PRESTRESSED CONCRETE PILES ALT. "B"	5	EA.

FED. AID PROJ. NO. I-(6-84)-3(41) 59

Br. No. 03369

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

GENERAL PLAN

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES AS NOTED
MADE BY R.L.S. DATE 8/2/62
CHECKED BY R.A.D. DATE 8/2/62
APPROVED [signature] DATE 8/9/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 1 OF 18

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.

DRAWN BY D'ISIDORO
CHECKED BY Bridge #12

250-1260-BBP

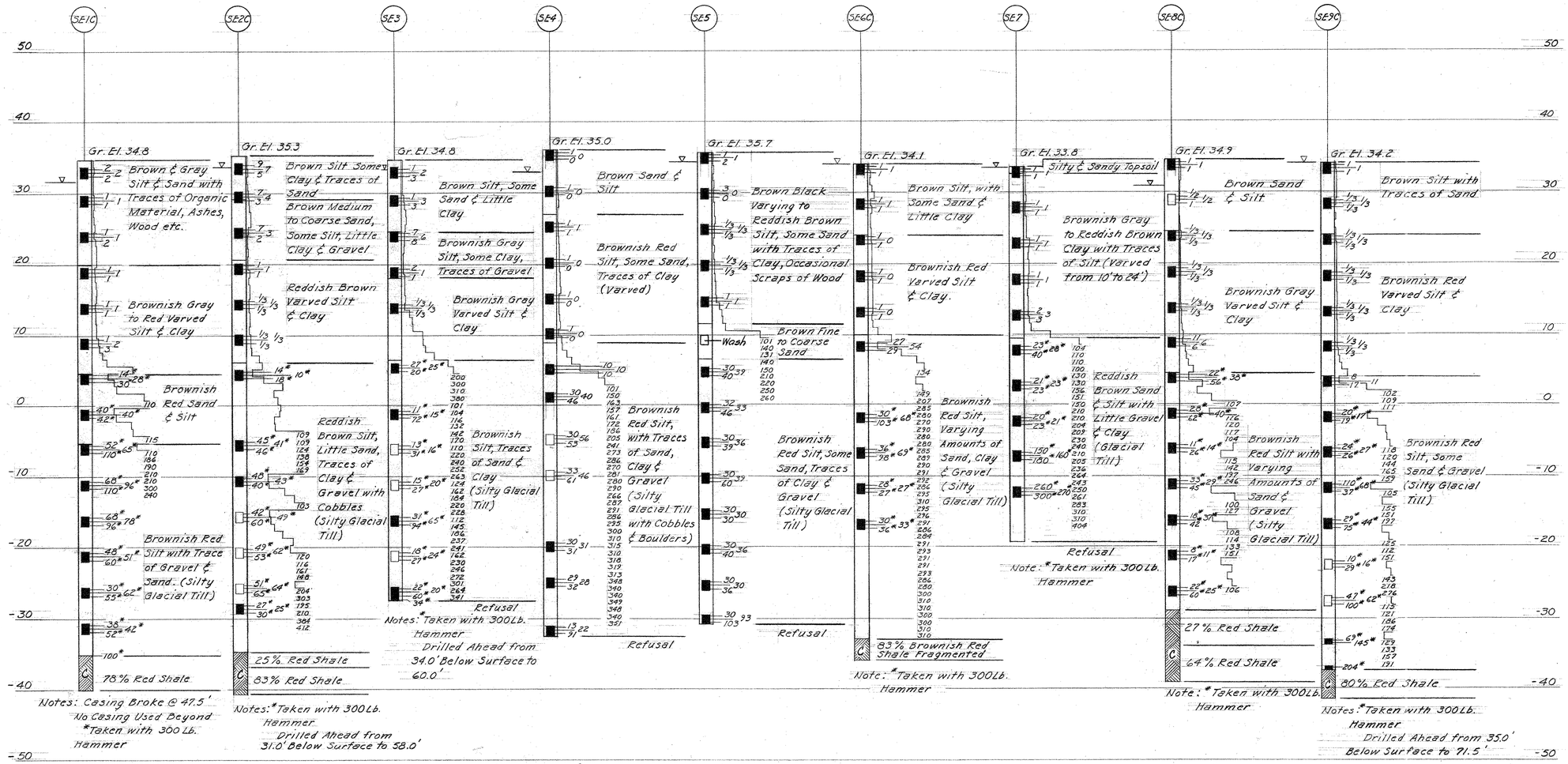
63 184

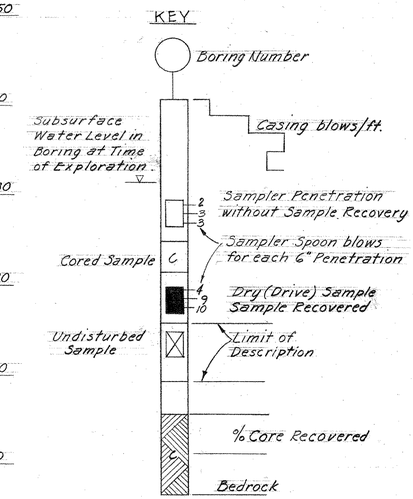
M292 61

109

3369

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-IG-84-3-(41)59	63-184	1962	I84	110	200





CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

BORINGS

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES Vert. 1/8" = 1'-0" Casing 1" = 100 Blows
MADE BY J.O.D. DATE 8/2/62
CHECKED BY P.A.D. DATE 8/2/62
APPROVED John L. Hayden DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 2 OF 18

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.

DRAWN BY TOBIO
CHECKED BY Bridge #12

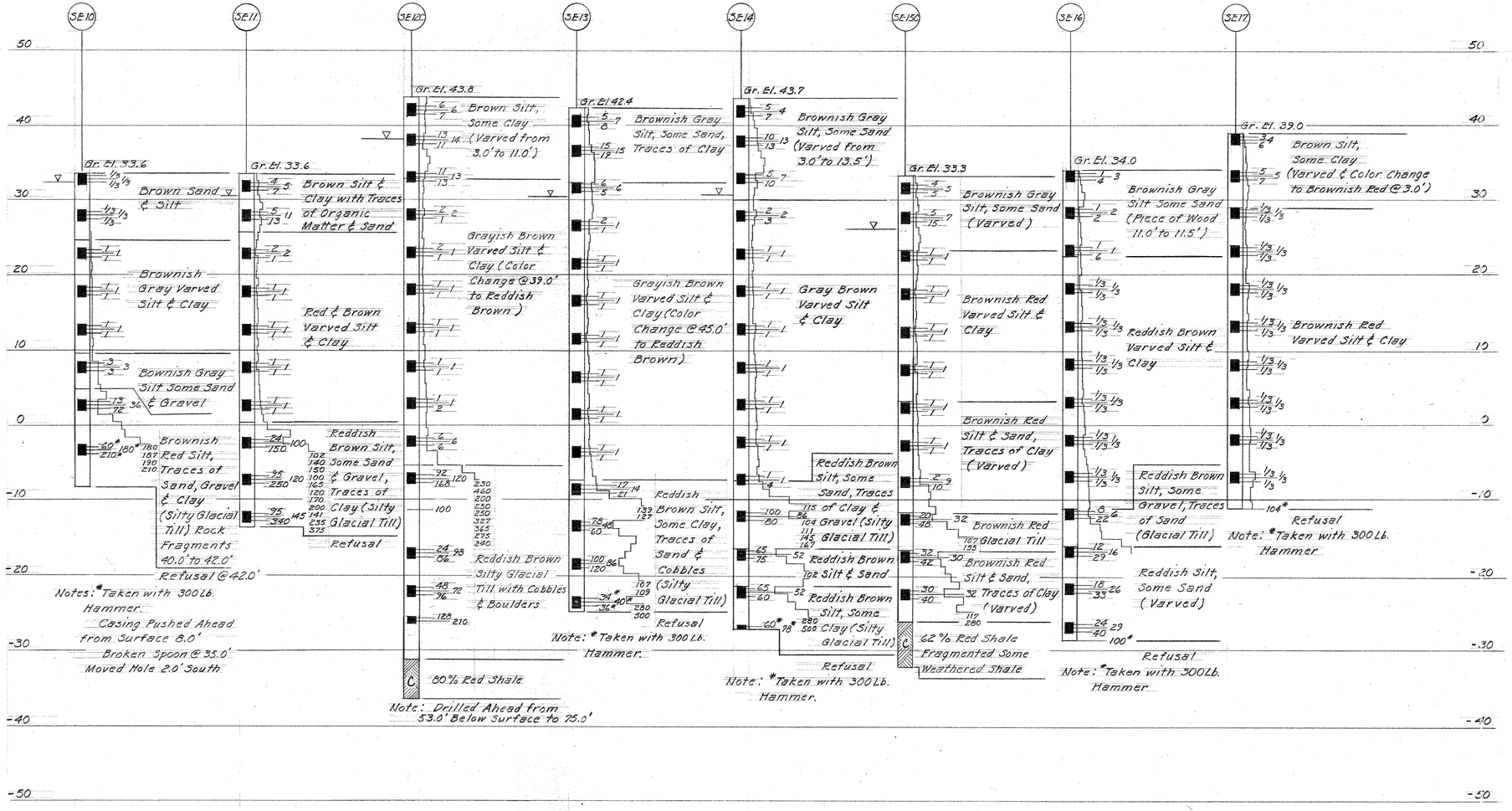
250-1260-BBP

63 184

M292 01

110

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-IG-84-3(41)59	63-184	1962	I84	111	200



NOTE:
See Br. Sh. 2 of 18 for Boring Key

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

BORINGS

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES Vert. 1/8" = 1'-0" Casing 1" = 100 Blows
MADE BY J.O.D. DATE 8/2/62
CHECKED BY R.A.D. DATE 8/2/62
APPROVED John L. Hayden DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 3 OF 18

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.

DRAWN BY TOBIN
CHECKED BY Bridge #12

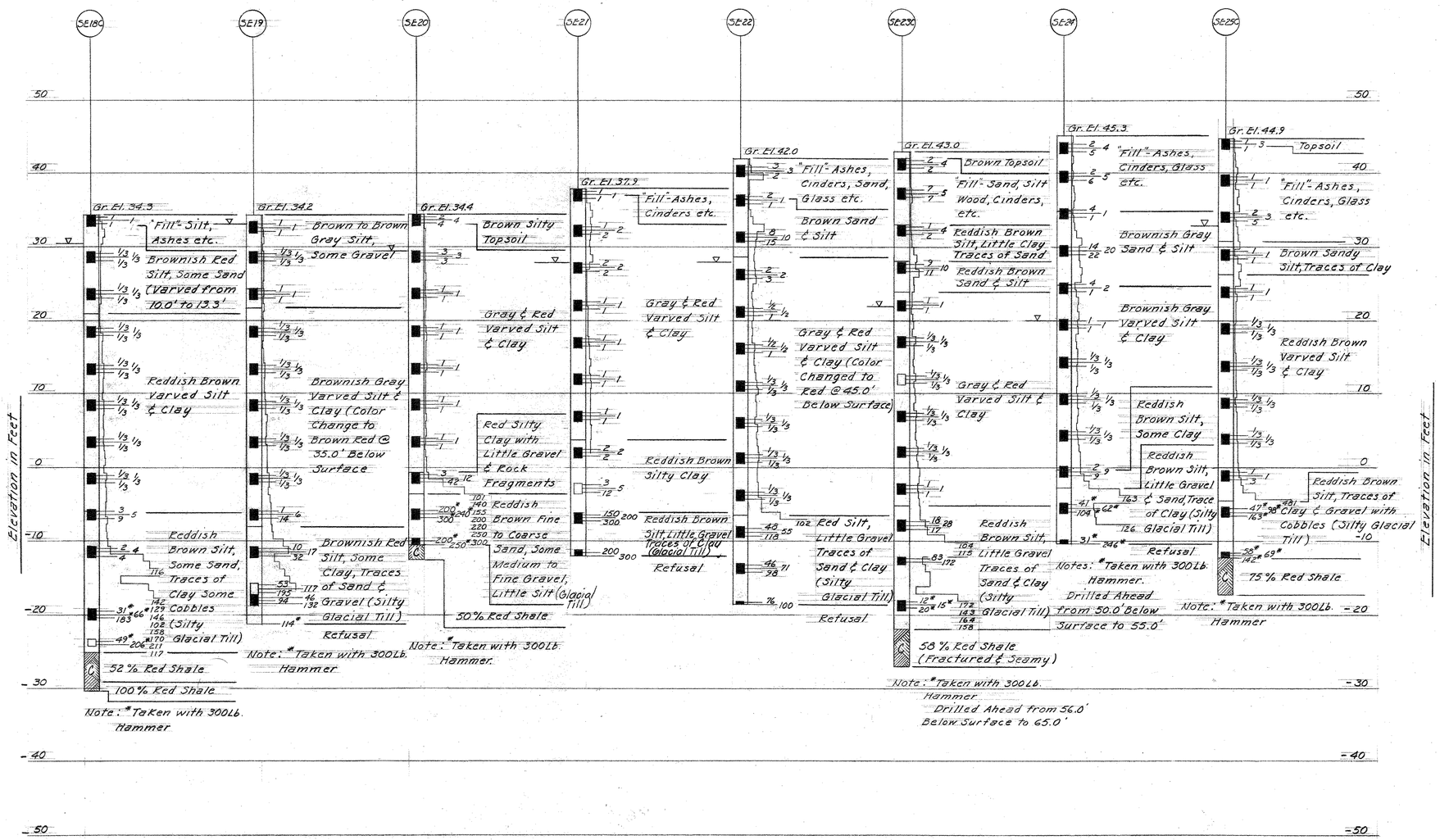
250-1260-BBP

63 184

M292 01

111

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-36-84 3-41)34	63-184	1962	I 84	112	200



NOTE:
See Br. Sh. 2 of 18 for Boring Key

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

BORINGS

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES Vert. 1/8"=1'-0" Casing 1"=100 Blows
MADE BY J. O. D. DATE 8/2/62
CHECKED BY J. A. D. DATE 8/2/62
APPROVED John L. Hayden DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 4 OF 18

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.

DRAWN BY TOISIN
CHECKED BY
Bridge #12

250-1360-BBP

63 184

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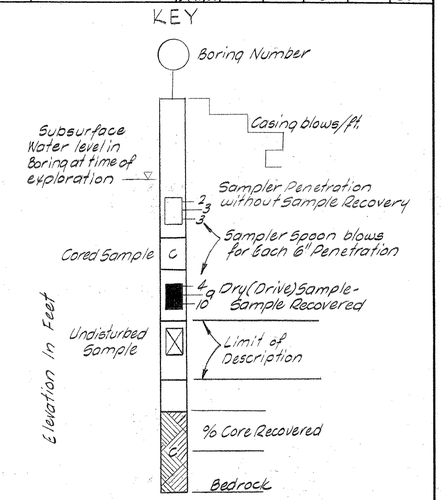
112

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-84 (3)(10)(29)	63-184	1961	I-84	113	200



Casing I.D. = 2½"
Hammer Wt. = 300 lbs.
Hammer Fall = 24"

Sampler I.D. = 1⅜"
Hammer Wt. = 140 lbs.
Hammer Fall = 30"

ABBREVIATIONS

C.	Coarse
F.	Fine
M.	Medium
G.	Gravel
S.	Sand
Boul.	Boulders
Cobb.	Cobbles
Lit.	Little
Tr.	Trace
Misc.	Miscellaneous
Org.	Organic.

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REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

BORINGS

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES Vert. 1/8" = 1'-0" Casing 1" = 100 Blows
MADE BY P.A.D. DATE 2-21-62
CHECKED BY G.D.P. DATE 2-27-62
APPROVED [signature] DATE 2-28-62

PROJECT NO. 63-184
BRIDGE SHEET NO. 5 OF 18

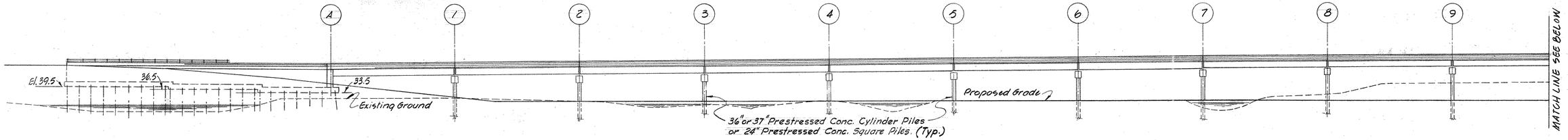
DRAWN BY FLAHERTY
CHECKED BY
Bridge #12

250-1260-BBP

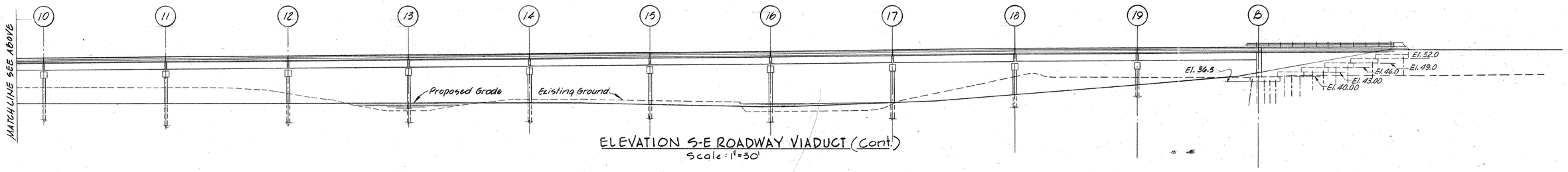
63 184

M 232 01

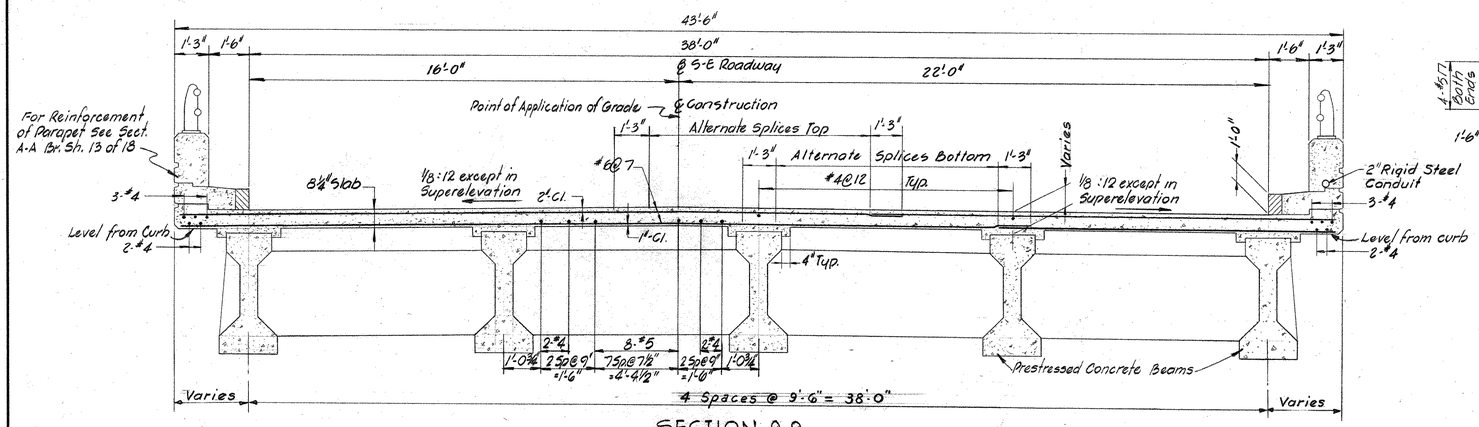
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-G-84 S-C-09	63-184	1962	I 84	114	200



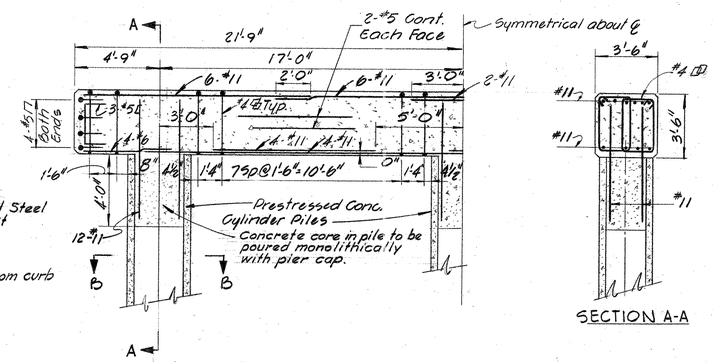
ELEVATION S-E ROADWAY VIADUCT
Scale: 1" = 30'



ELEVATION S-E ROADWAY VIADUCT (Cont.)
Scale: 1" = 30'



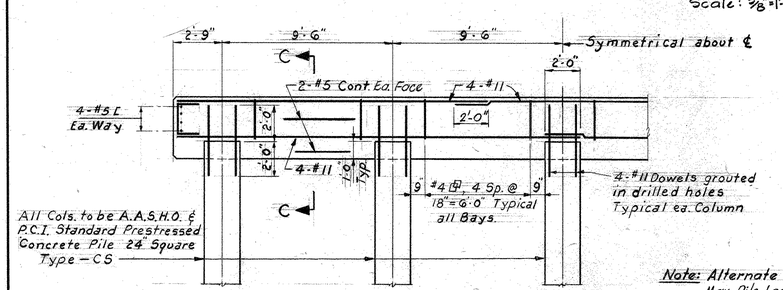
SECTION 9-9
Scale: 3/8" = 1'-0"



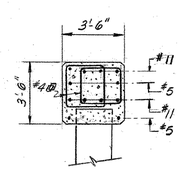
PIER REINFORCEMENT - ALTERNATE "A"
Scale: 1/4" = 1'-0"

SECTION A-A

Note: Alternate "A"
Max. Pile Load = 200 Tons Group I
Group III Controls design due to bending.

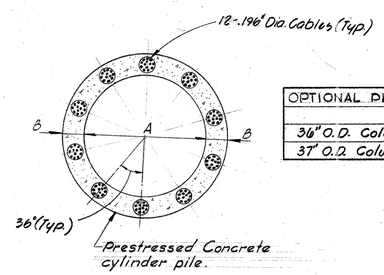


PIER REINFORCEMENT - ALTERNATE "B"
Scale: 1/4" = 1'-0"
AS BUILT



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

Note: Alternate "B"
Max. Pile Load = 117 Tons Group I
Group III Controls design due to bending.



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

OPTIONAL PILE DIMENSIONS	A	B
36" O.D. Column	25"	5½"
37" O.D. Column	27"	5"

NOTE:
All Piles to be driven to pratical refusal.

REFERENCES:
For Location of Section 9-9 See Br. Sh. 7 of 18.
See Br. Sh. 10 of 18 for Pile notes and additional Pile details.

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

ELEVATIONS & SECTIONS

REVISIONS		
NO.	DATE	DESCRIPTION
1	5/1/67	AS BUILT - ALTERNATE "B"

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES AS NOTED
MADE BY R.L.S. DATE 8/2/62
CHECKED BY R.A.D. DATE 8/2/62
APPROVED R. E. Hayden DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 6 OF 18

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.

DRAWN BY D'ISIDORO
CHECKED BY Bridge #12

250-1360-BBP

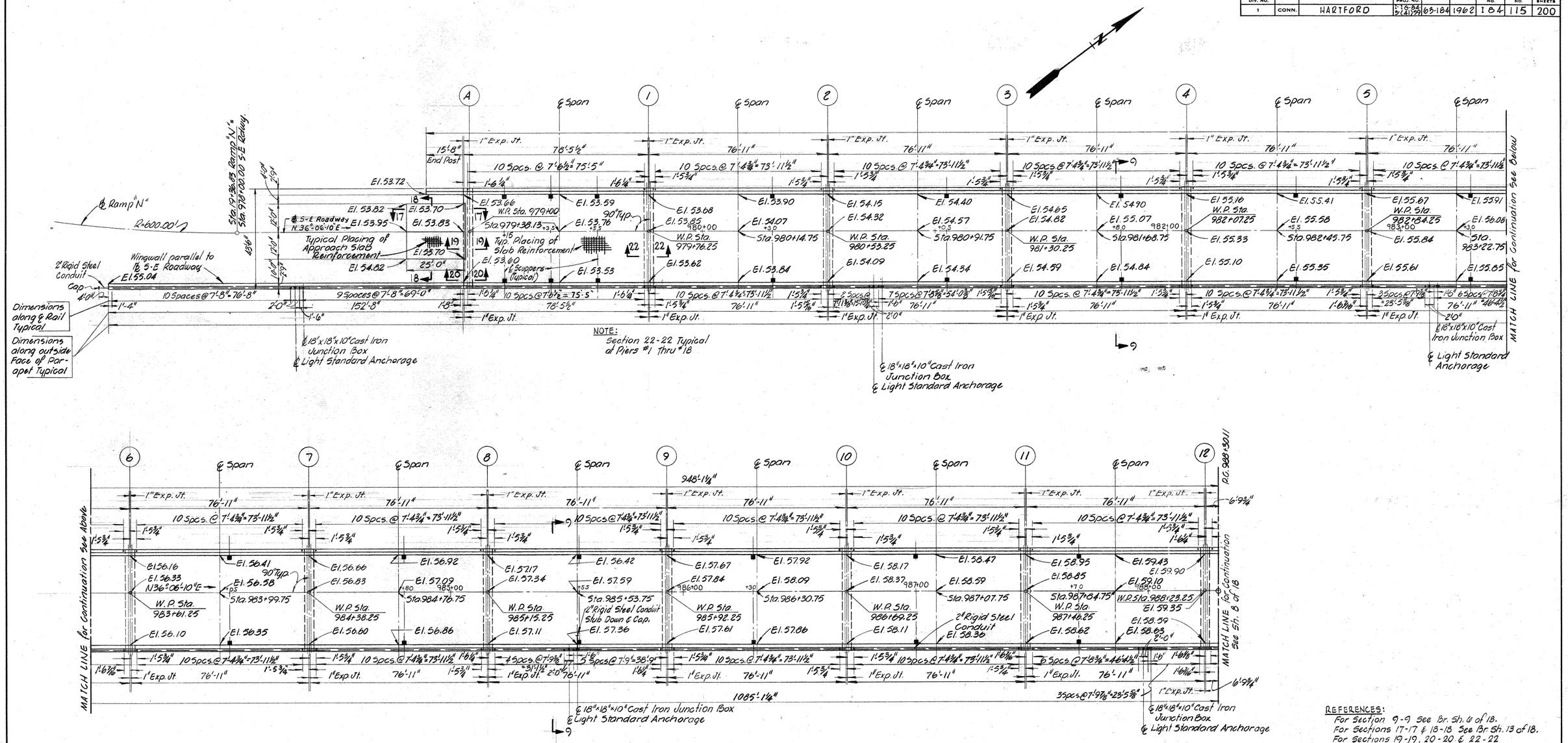
63 184

M292 01

114

3369

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-16-84 3(41)59	63-184	1962	I 84	115	200



DECK PLAN
Scale: 1" = 20'

REFERENCES:
For Section 9-9 See Br. Sh. 6 of 18.
For Sections 17-17 & 18-18 See Br. Sh. 13 of 18.
For Sections 19-19, 20-20 & 22-22 See Br. Sh. 14 of 18.
For Electrical Details See Br. Sh. 18 of 18.

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

DECK PLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES 1" = 20'
MADE BY R.L.S. DATE 8/2/62
CHECKED BY P.A.D. DATE 8/2/62
APPROVED J. L. Hayden DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 7 OF 18

DRAWN BY D'ISIDORO
CHECKED BY Bridge #12

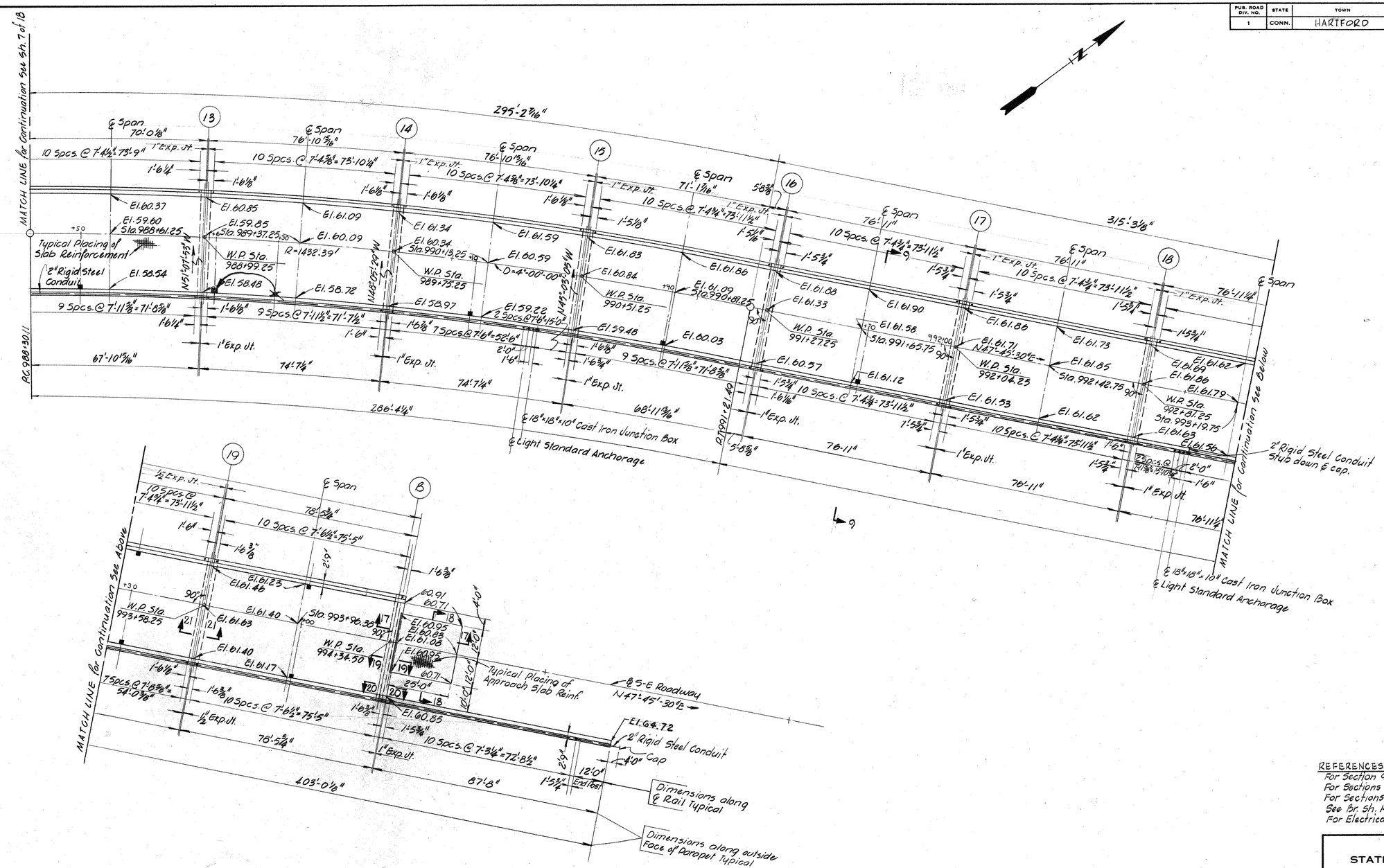
63-184

M292 01

115

3369

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-IG-84 3(41)98	63-184	1962	I 84	116	200



DECK PLAN
Scale: 1" = 20'

REFERENCES:
For Section 9-9 See Br. Sh. 6 of 18
For Sections 17-17 & 18-18 See Br. Sh. 13 of 18
For Sections 19-19, 20-20, & 22-22 See Br. Sh. 14 of 18.
For Electrical Details See Br. Sh. 18 of 18

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT
DECK PLAN

REVISIONS		
NO.	DATE	DESCRIPTION
1		SCUPPER LOCATION PIER # 13

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES 1" = 20'
MADE BY R.L.S. DATE 8/2/62
CHECKED BY R.A.D. DATE 8/2/62
APPROVED J. L. Hayden DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 8 OF 18

DRAWN BY D'ISIDORO
CHECKED BY Bridge #12

250-1360-BBP

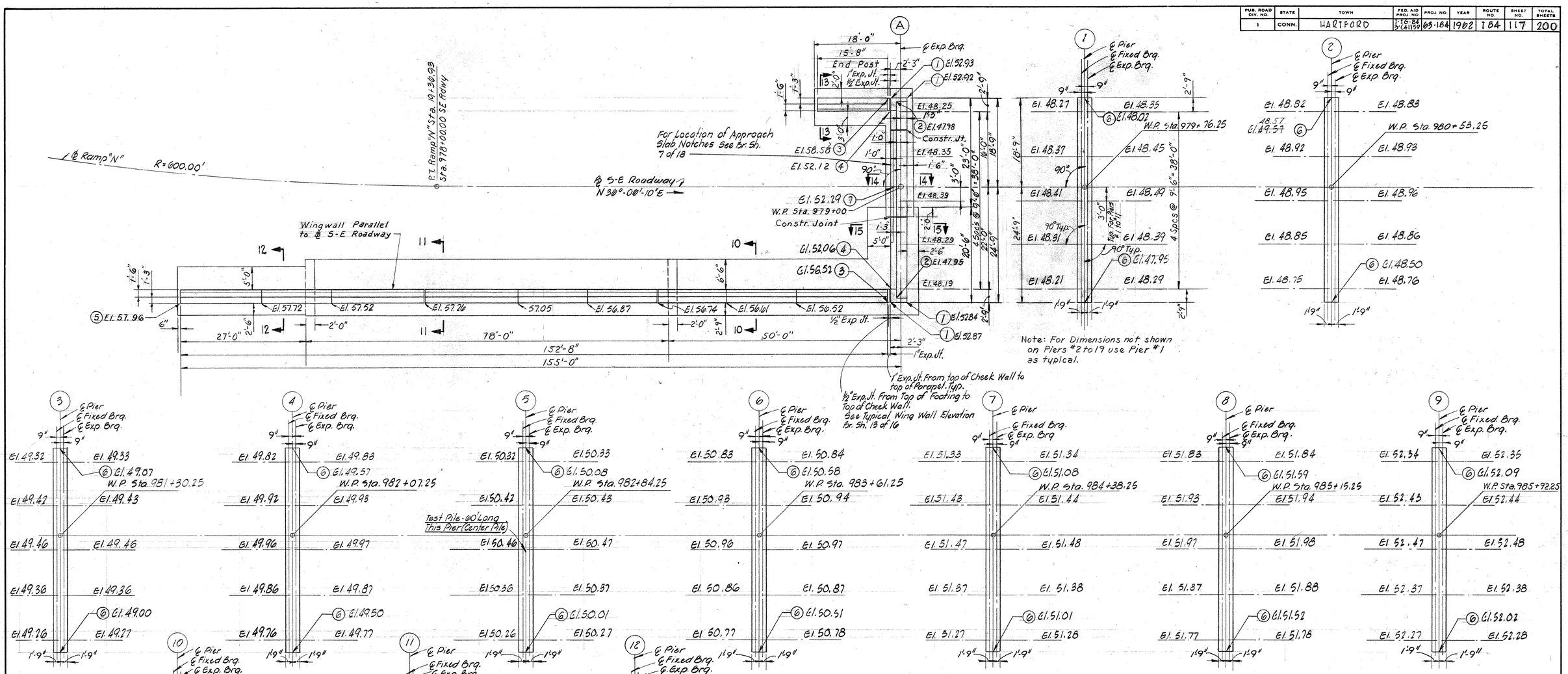
63 184

M 292 01

116

3369

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-16-84 S-(41)59	63-184	1962	I 84	117	200



NOTE:
Elevations shown on plan at center line of bearing and center line of stringers are to top of concrete pedestals.

PLAN of SUBSTRUCTURE
Scale: 1" = 10'

REFERENCES:
For Sections 10-10, 11-11, 12-12, 13-13, 14-14 & 15-15 See Br. Sh. 14 of 18.
For Pile design loads See Br. Sh. 6 of 18.
For Pile Notes See Br. Sh. 10 of 18.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3-11-67	ELEV. CHANGE - PIER #2

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT
SUBSTRUCTURE

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES 1" = 10'
MADE BY R.L.S. DATE 8/2/62
CHECKED BY R.A.D. DATE 8/2/62
APPROVED DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 9 OF 18

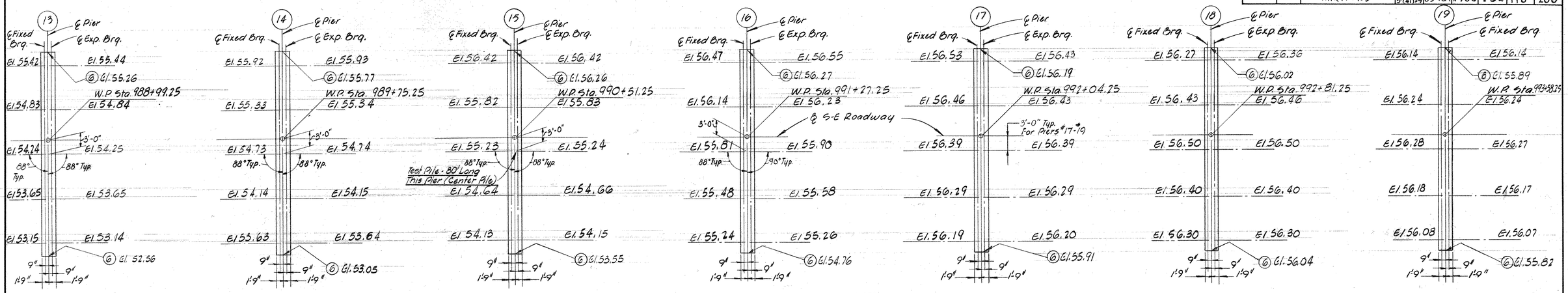
DRAWN BY D'ISIDORO
CHECKED BY Bridge #12

250-1360-BBP

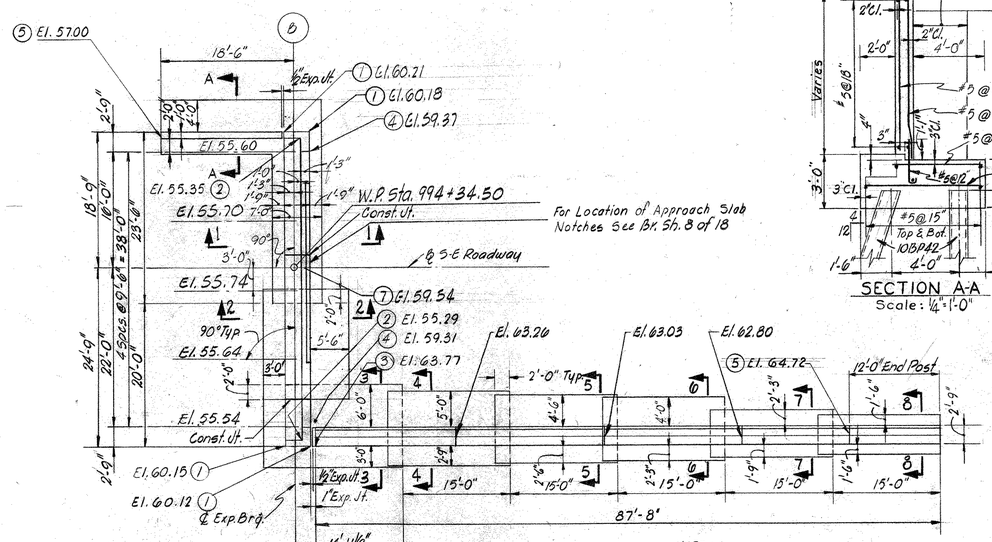
63 184

117

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	F-(6-5)84 S-(41)39	63-184	1962	I 84	118	200



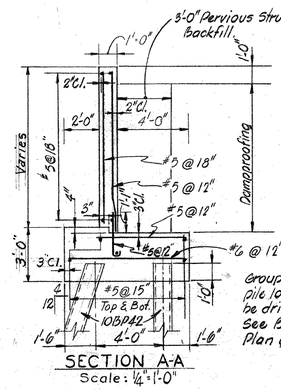
NOTE:
For dimensions not shown on Piers 2 thru 19 those shown on pier # 2 are typical.



1/2" Exp. Jt. From Top of Footing to Top of Cheek Wall.
1" Exp. Jt. From Top of Cheek Wall to Top of Parapet.
See Typical Wing Wall Elevation Br. Sh. 13 of 18.

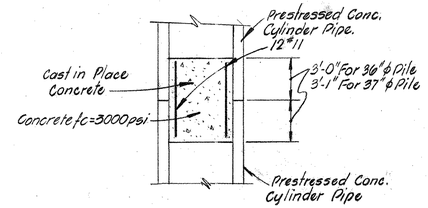
NOTE:
Elevations shown on plan at center line of bearing and center of stringers are to top of concrete pedestals.

PLAN of SUBSTRUCTURE
Scale: 1" = 10'



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

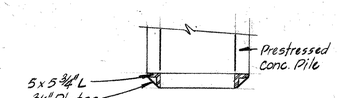
Group I and maximum design pile load is 13 tons. Piles to be driven to practical refusal. See Br. Sh. 12 of 18 for Pile Plan & Notes.



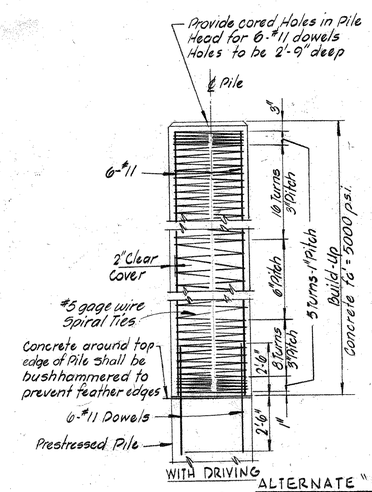
ALTERNATE "A"

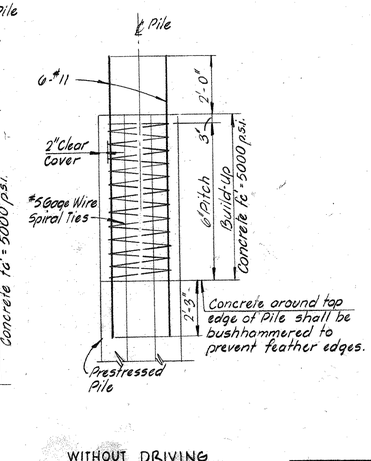
For Pile design loads See Br. Sh. 6 of 18
Pier Piles to be 36" or 37" Prestressed Concrete Cylinder Piles or 24" Prestressed Concrete Square Piles. (See Br. Sh. 6 of 18)
Piles to be driven to Practical Refusal.

ESTIMATED PILE LENGTH			
PIER NO.	LENGTH	PIER NO.	LENGTH
1	49.0'	11	65.0'
2	45.0'	12	65.0'
3	45.0'	13	69.0'
4	46.0	14	69.0'
5	51.0'	15	65.0'
6	52.0	16	65.0'
7	52.0'	17	62.0'
8	55.0'	18	62.0'
9	56.0'	19	62.0'
10	64.0'		



PILE TIP FOR CYLINDRICAL PILES
Not to Scale
NOTE: Pile tips for the 24" Square Piles shall be Type III of AASHO & P.C.I. Standard Prestressed Concrete Pile Details.





ALTERNATE "B" WITHOUT DRIVING
BUILD-UP PILE SECTIONS
Not to Scale
NOTE: See Special Provisions for Splicing Prestressed Conc. Piles

REFERENCES:
For Sections 1-1, 2-2, 3-3, 4-4, 5-5, 6-6, 7-7 & 8-8 See Br. Sh. 14 of 18

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT
SUBSTRUCTURE

REVISIONS		
NO.	DATE	DESCRIPTION

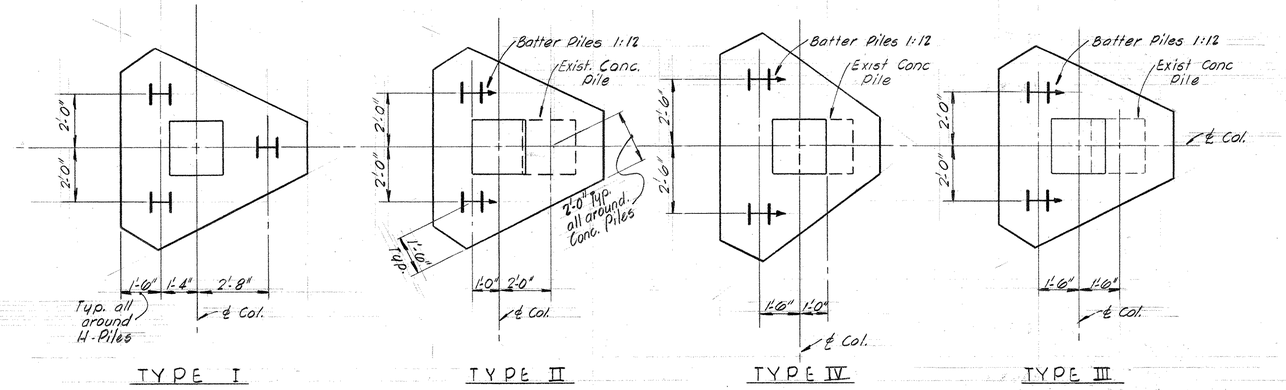
DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES 1" = 10'
MADE BY R.L.S. DATE 8/2/62
CHECKED BY P.A.D. DATE 8/2/62
APPROVED John R. Hayden DATE 8/2/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 10 OF 18

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.

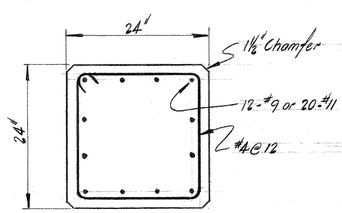
DRAWN BY D'IS'D'O'R'D
CHECKED BY Bridge #12

250-1260-BBP 63 184 118 M 292 01

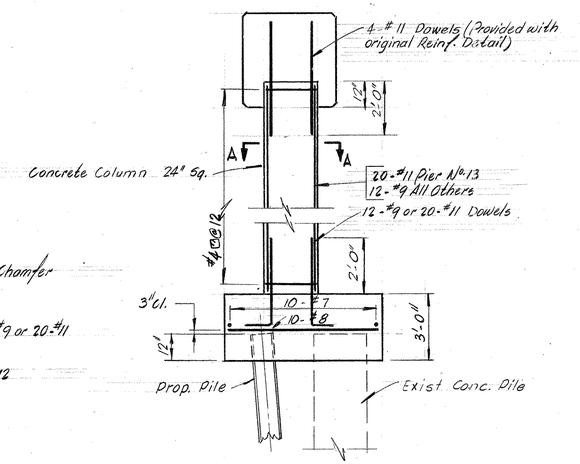
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-76-84 3(41)59	63-184	1962	I-84	118 A	200



PIER NO.	COL. NO.	TYPE OF FOOTING	ELEV. AT BOTT. OF FTG.	EST. PILE LENGTH
3	A	II	29.0	30'
3	B	III	29.0	30'
4	A	IV	29.0	30'
4	B	I	29.0	30'
~~6~~	~~D~~	~~I~~	~~28.5~~	~~35'~~
7	D	I	28.5	35'
8	A	III	28.5	40'
11	A	IV	28.0	50'
12	A	II	28.0	50'
12	E	I	30.0	52'
~~13~~	~~A~~	~~I~~	~~28.5~~	~~45'~~
17	A	IV	25.0	40'
18	A	I	27.5	38'
2	D	I	29.0	35'
13	B	I	28.5	45'



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



TYPICAL SECTION

Note:
1. Piles to be 10 BP 42 Driven to practical refusal.
2. Max. Pile Load = 62 Tons

REVISIONS		
NO.	DATE	DESCRIPTION
1	1-3-66	Delete 6 D & 13 A
		Add 2 D & 13 B

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT
FOUNDATION
REVISIONS

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES 3/8" = 1'-0" or As Noted
MADE BY PAD DATE 9-13-65
CHECKED BY R.H.C. DATE 9-13-65
APPROVED DATE
PROJECT NO. 63-184
BRIDGE SHEET NO. 10A OF 18

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.

DRAWN BY
CHECKED BY

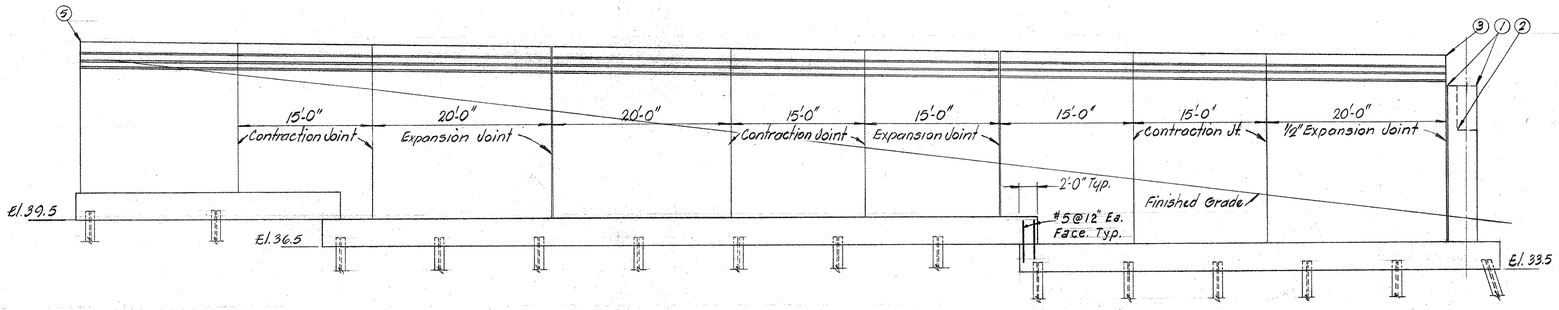
250-1260-BBP

63 184

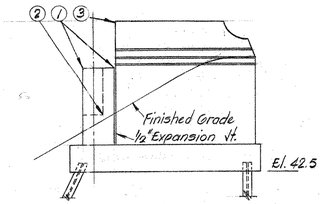
M292 01

118A

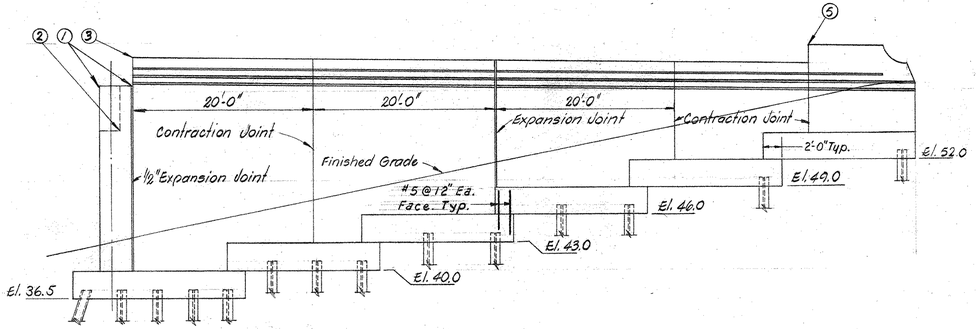
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-IG-84 3-(41)59	63-184	1962	I 84	119	200



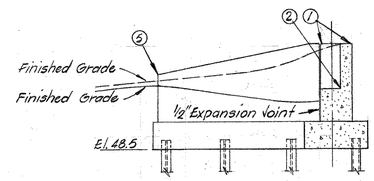
ELEVATION - SOUTH-EAST WINGWALL
Scale 1/8" = 1'-0"



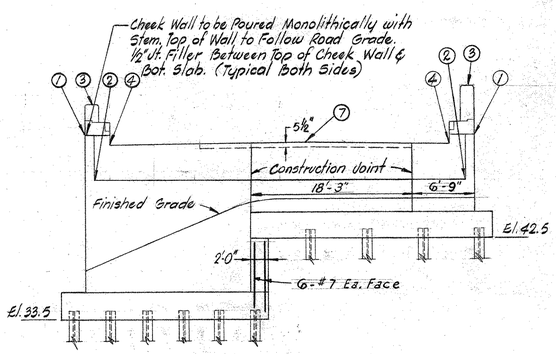
ELEVATION SOUTH-WEST WINGWALL
Scale 1/8" = 1'-0"



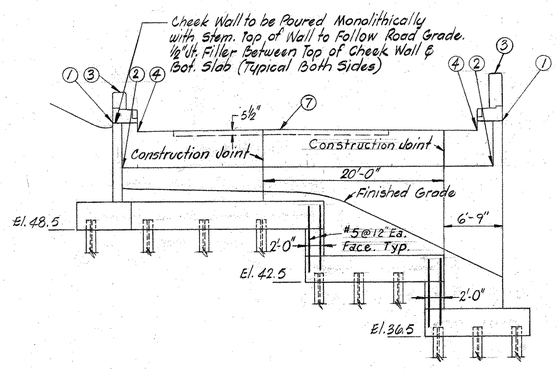
ELEVATION - NORTH-EAST WINGWALL
Scale 1/8" = 1'-0"



ELEVATION NORTH-WEST WINGWALL
Scale 1/8" = 1'-0"



ELEVATION ABUTMENT "A"
Scale 1/8" = 1'-0"



ELEVATION ABUTMENT "B"
Scale 1/8" = 1'-0"

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

ABUTMENT & WINGWALL ELEVATIONS

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES As Noted
MADE BY R.L.S DATE 8/2/62
CHECKED BY P.A.D. DATE 8/2/62
APPROVED [signature] DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 11 OF 18

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.

DRAWN BY Killam
CHECKED BY Bridge #12

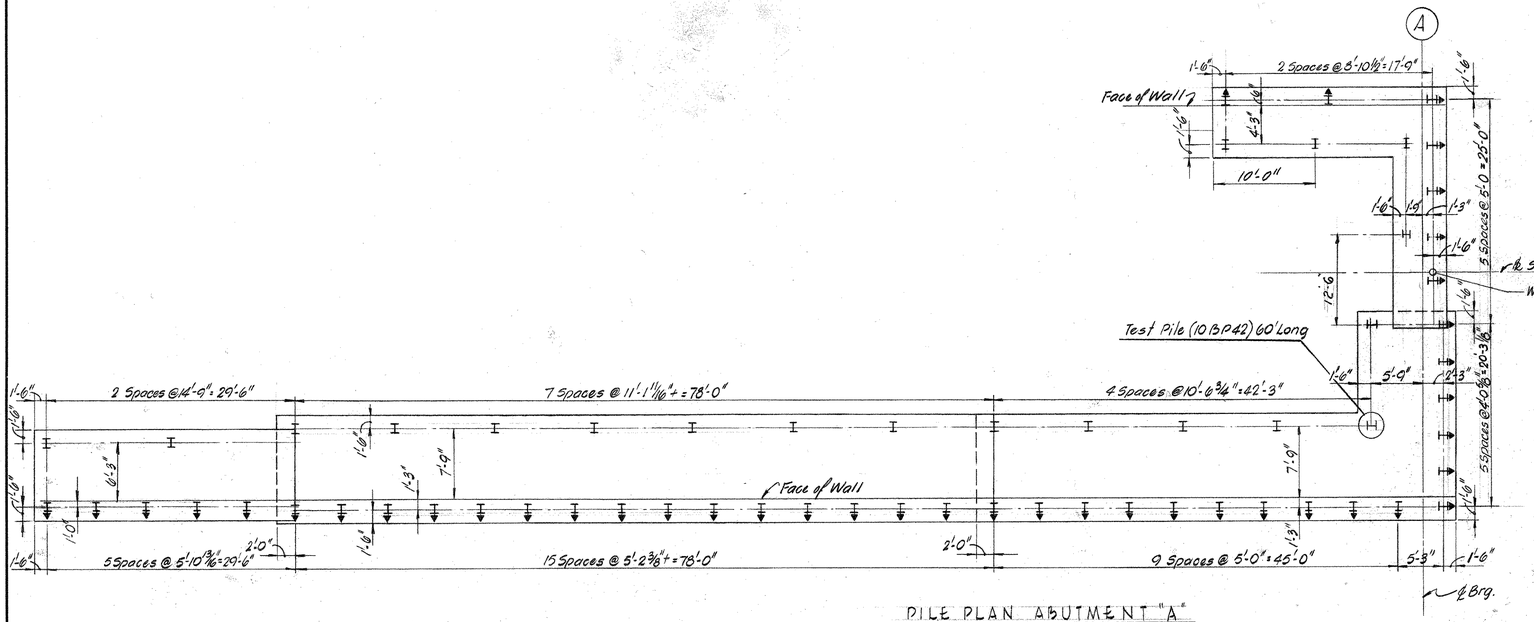
250-1260-BBP

63 184

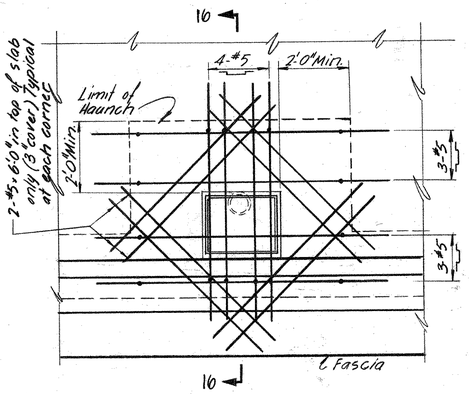
M 292 01

119

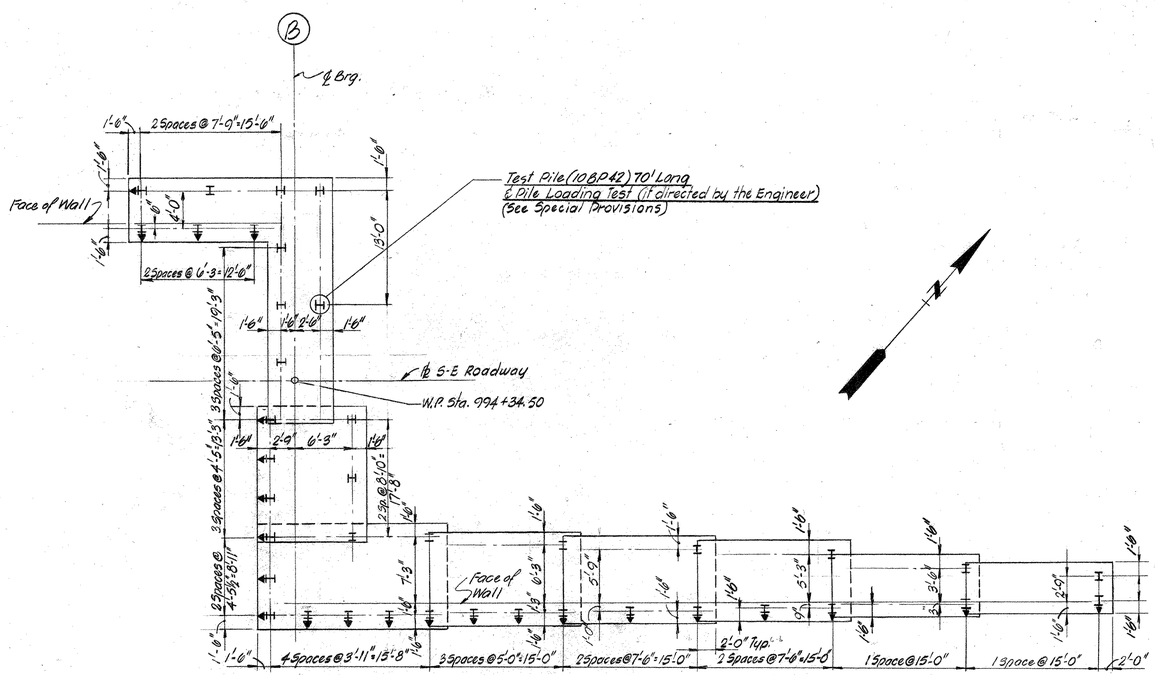
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-84-3-(61)99	63-184	1962	I-84	120	200



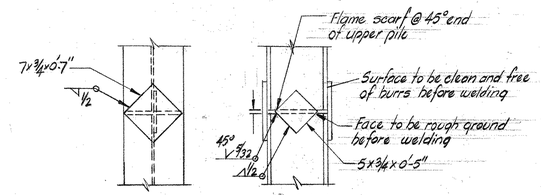
PILE PLAN ABUTMENT "A"
Scale 1/8" = 1'-0"



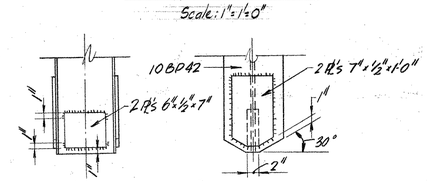
ADDITIONAL SLAB REINFORCEMENT AT SCUPPER
Scale: 1/2" = 1'-0"



PILE PLAN ABUTMENT "B"
Scale 1/8" = 1'-0"



PILE SPLICE DETAIL
Scale: 1" = 1'-0"



PILE POINT REINFORCING
Scale: 1" = 1'-0"

NOTES:
Abutment piles to be 10BP42. Piles to be driven to practical refusal.
Denotes Batter Piles, battered 4:12.
Estimated length of piles:
Abutment "A" & Wingwalls 39' to 48'.
Abutment "B" & Wingwalls 48' to 64'.
For Section 10-10 See Br. Sh. 13 of 18.
For design pile loads see Br. Sh. 14 of 18.

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

PILE PLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES As Noted
MADE BY R.L.S. DATE 8/2/62
CHECKED BY P.A.D. DATE 8/2/62
APPROVED [signature] DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 12 OF 18

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.

DRAWN BY Kilani
CHECKED BY
Bridge #12

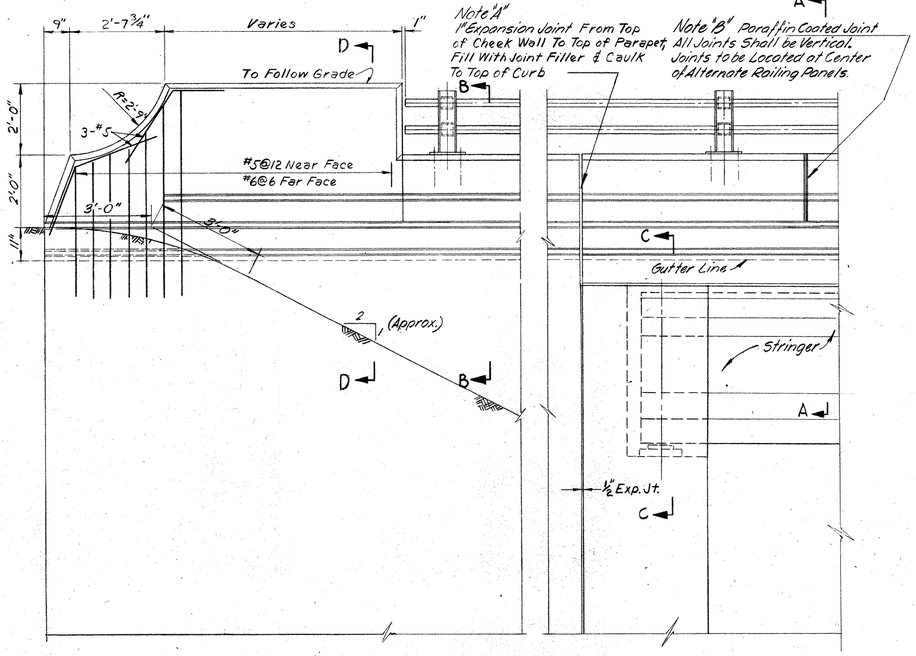
250-1260-BBP

63 184

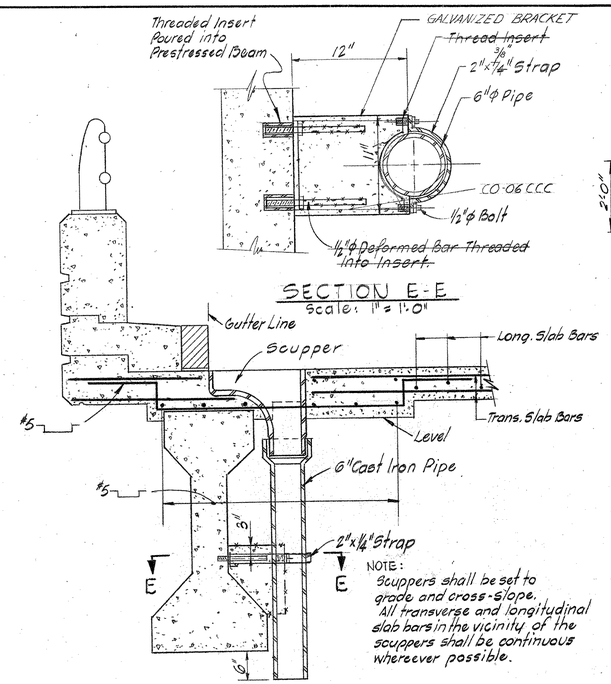
292 01

120

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-16-84 S-(41)59	63-184	1962	I 84	121	200

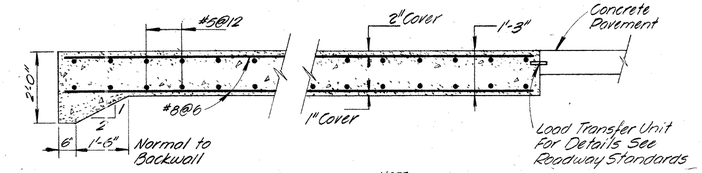


TYPICAL WINGWALL ELEVATION
Scale: ½"=1'-0"



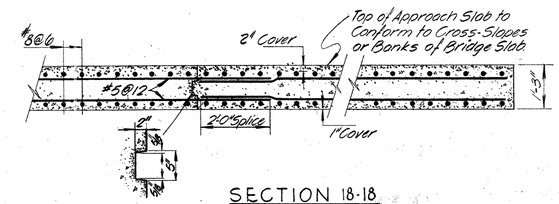
SECTION E-E
Scale: 1"=1'-0"

SECTION 16-16
Scale: ¾"=1'-0"
Typical at All Scuppers

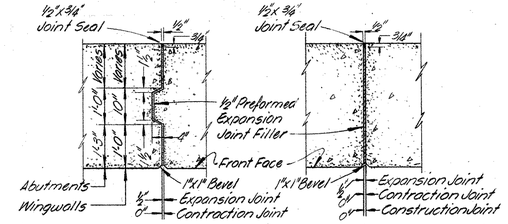


SECTION 17-17
Scale: ½"=1'-0"

NOTE:
Concrete and Reinforcing Steel for Approach Slabs are Highway Items

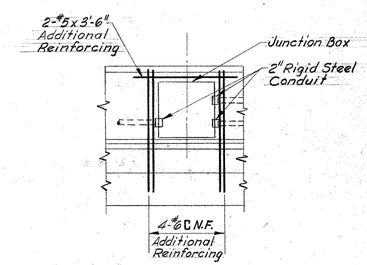


SECTION 18-18
Scale: ½"=1'-0"



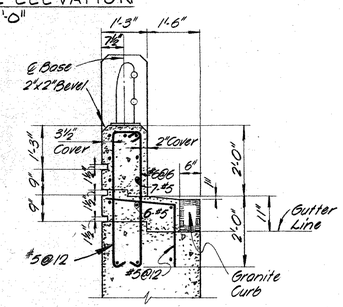
ABUTMENT: Joint Seal to Extend From Top of Footing to Top of Backwall. Keys to Extend From Top of Footing to Within 1'-0" of the Bridge Seat.
WINGWALLS: Joint Seal to Extend From Top of Footing to Top of Curb & Horizontally along Joint to Inside Face of Parapet. Key to Extend From Top of Footing to the Gutter Line. No Reinforcement Shall Pass Through Expansion or Contraction Joints. Reinforcement Shall Pass Through Construction Joints.

JOINT DETAILS
Scale: ½"=1'-0"

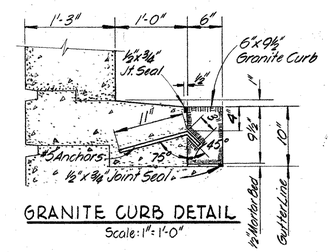


ADDITIONAL REINFORCEMENT AT ELECTRICAL JUNCTION BOX
NOT TO SCALE

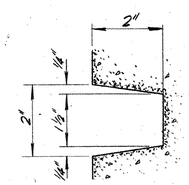
REFERENCE:
For Location of Section 16-16 See Br. Sh. 12 of 18.
For Location of Section 17-17 & 18-18 See Br. Sh. 7 of 18 & 8 of 18.
For Details of Light Standard Anchorage and Electrical Junction Box. See Br. Sh. 18 of 18.



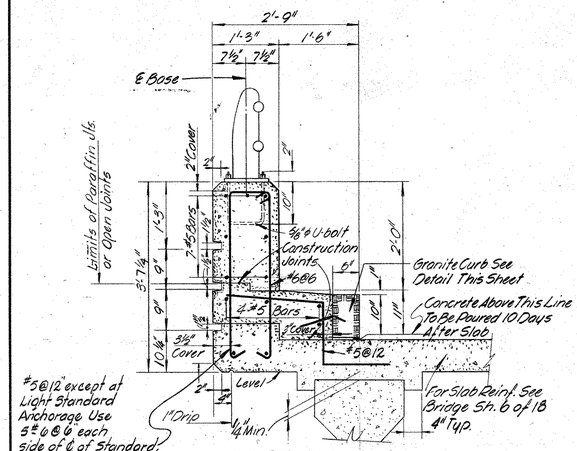
SECTION B-B
Scale: ½"=1'-0"



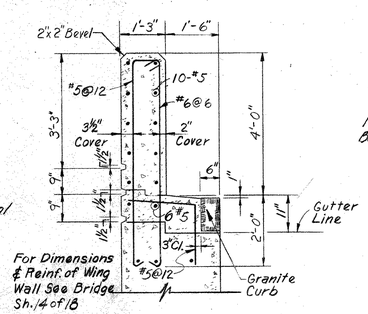
GRANITE CURB DETAIL
Scale: 1"=1'-0"



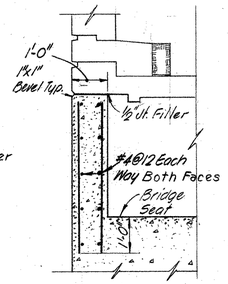
RUSTICATION DETAIL
Scale: ½"=1"



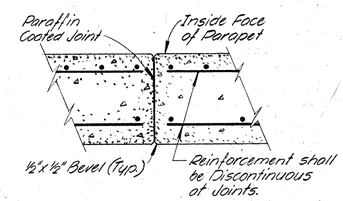
SECTION A-A
Scale: ¾"=1'-0"



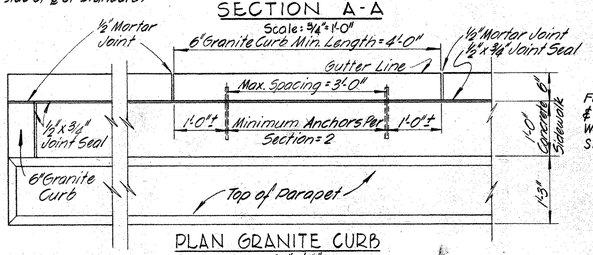
SECTION D-D
Scale: ½"=1'-0"



SECTION C-C
Scale: ½"=1'-0"



DETAIL of PARAFFIN JOINT
Scale: 1"=1'-0"



PLAN GRANITE CURB
Scale: ¾"=1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION
1	3-23-67	SCUPPER SUPPORT CHANG.

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

PARAPET DETAILS

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES As Noted
MADE BY R.L.S. DATE 8/2/62
CHECKED BY R.A.D. DATE 8/2/62
APPROVED R. R. Hayden DATE 9/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 13 OF 18

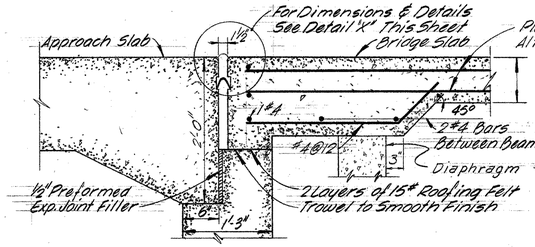
DRAWN BY Waisey
CHECKED BY

63 184

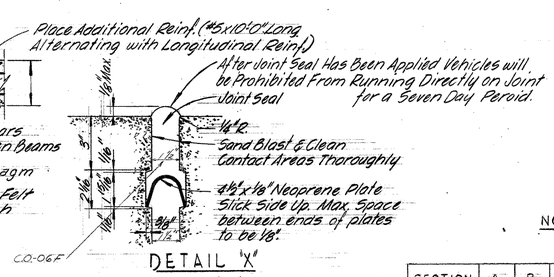
M 292 01

121

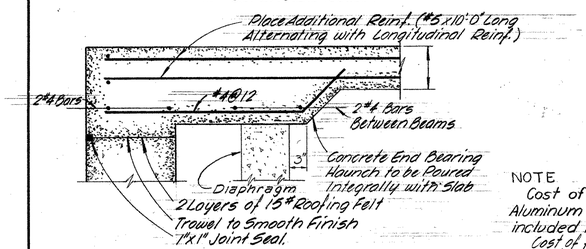
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-84-6 & S-(413)	63-184	1962	I 84	122	200



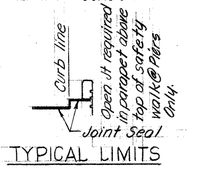
SECTION 19-19
Scale: 1" = 1'-0"
EXPANSION JOINT



DETAIL "X"
Scale: 3" = 1'-0"



SECTION 20-20
Scale: 1" = 1'-0"
TYPICAL SECTION AT SHOULDERS

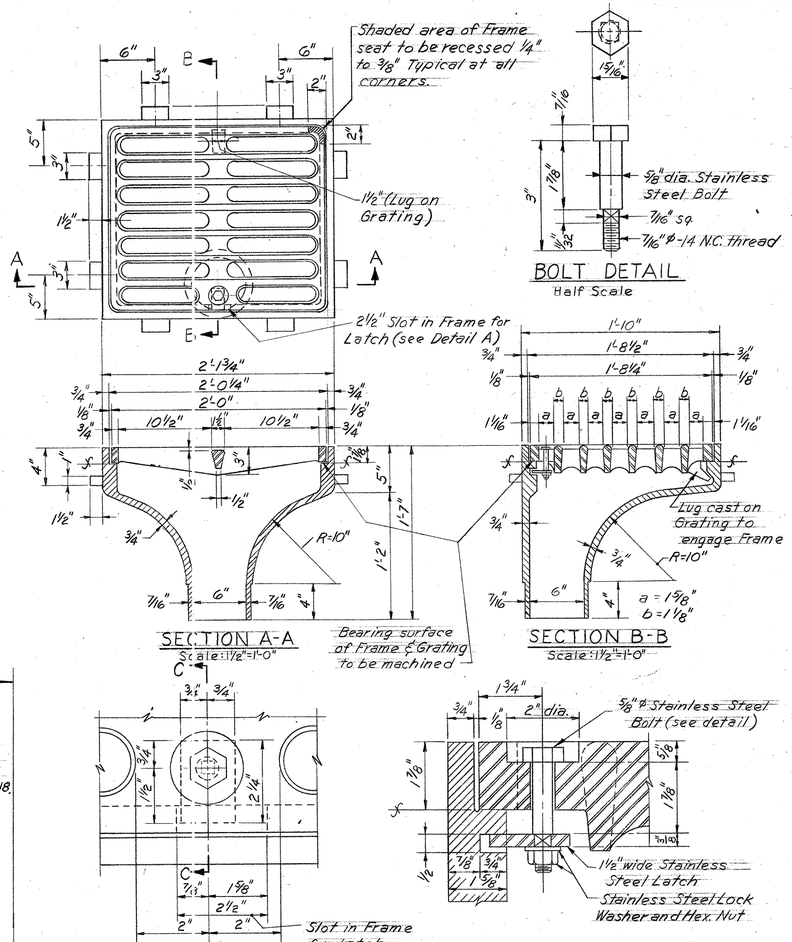


TYPICAL LIMITS

NOTE
Cost of furnishing and installing Aluminum Foil, and Joint Seal is to be included in item "Class 'C' Concrete"
Cost of furnishing & Installing Neoprene Plate is to be included in Item "Neoprene Plate for Bridge Expansion Joint."

NOTE: Group I and Maximum Design Pile Load "P" in Tons is in the Table below. Piles to be driven to Practical Refusal.

SECTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1-1	1'-9"	1'-9"	3'-0"	48.5'	#6@12"	#5@18"	#5@18"	#5@18"	—	1'-7"	1'-1"	1'-1"	—	0	—	54
2-2	3'-0"	5'-6"	3'-0"	42.5'	#8@9"	#5@18"	#5@18"	#5@18"	—	1'-7"	1'-1"	1'-1"	—	4	—	48
3-3	3'-0"	6'-0"	3'-6"	36.5'	#9@12"	#6@12"	#10@12"	#8@12"	#5@12"	1'-11"	2'-0"	2'-0"	7'-0"	4	1'-1"	44
4-4	2'-9"	5'-0"	3'-0"	40.0'	#8@12"	#5@12"	#8@12"	#5@12"	—	1'-7"	1'-1"	3'-6"	—	4	—	44
5-5	2'-6"	4'-6"	3'-0"	43.0'	#7@12"	#5@12"	#6@12"	#5@12"	—	1'-7"	1'-1"	1'-1"	—	4	—	55
6-6	2'-3"	4'-0"	3'-0"	46.0'	#6@12"	#5@12"	#5@18"	#5@18"	—	1'-7"	1'-1"	1'-1"	—	4	—	43
7-7	1'-9"	2'-3"	3'-0"	49.0'	#6@12"	#5@18"	#5@18"	#5@18"	—	1'-7"	1'-1"	1'-1"	—	4	—	55
8-8	1'-6"	1'-6"	3'-0"	52.0'	#6@12"	#5@18"	#5@18"	#5@18"	—	1'-7"	1'-1"	1'-1"	—	4	—	38
10-10	2'-9"	6'-6"	3'-0"	33.5'	#7@9"	#6@9"	#8@9"	#5@18"	—	1'-11"	1'-1"	7'-0"	—	4	—	53
11-11	2'-9"	6'-6"	3'-0"	36.5'	#7@9"	#6@9"	#8@9"	#5@18"	—	1'-11"	1'-1"	7'-0"	—	4	—	53
12-12	2'-6"	5'-0"	3'-0"	39.5'	#6@9"	#5@12"	#6@9"	#5@18"	—	1'-7"	1'-1"	4'-0"	—	4	—	47
13-13	2'-0"	3'-0"	3'-0"	42.5'	#6@12"	#5@18"	#5@18"	#5@18"	—	1'-7"	1'-1"	1'-1"	—	4	—	52
14-14	1'-6"	1'-0"	3'-0"	42.5'	#6@12"	#5@18"	#5@18"	#5@18"	—	1'-7"	1'-1"	1'-1"	—	2	—	35
15-15	2'-6"	5'-0"	3'-0"	33.5'	#8@9"	#5@18"	#5@9"	#5@18"	—	2'-3"	2'-0"	2'-0"	—	4	—	49



SECTION A-A
Scale: 1½" = 1'-0"

BOLT DETAIL
Half Scale

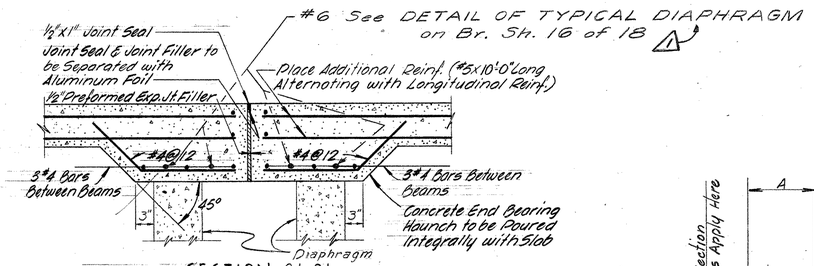
SECTION B-B
Scale: 1½" = 1'-0"

DETAIL "A"
(Locking Device)
Half Scale

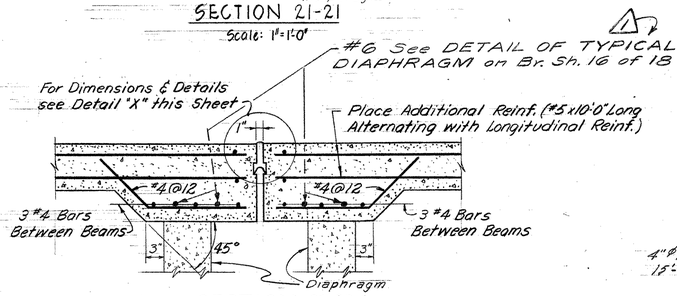
SECTION C-C
Half Scale

NOTE:
Gratings shall be made from castings of Carbon Steel or Malleable Iron.
Frames shall be made from castings of Carbon Steel, Malleable iron, or Gray iron.

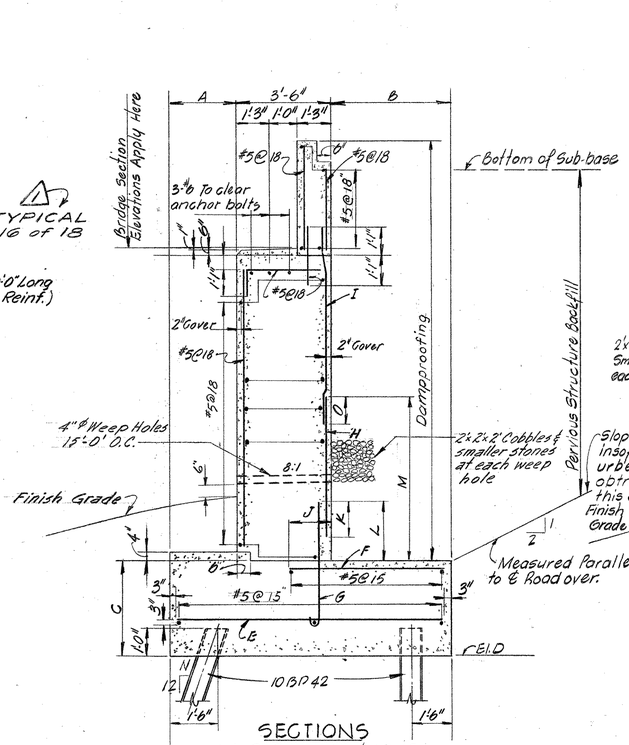
SCUPPER DETAILS



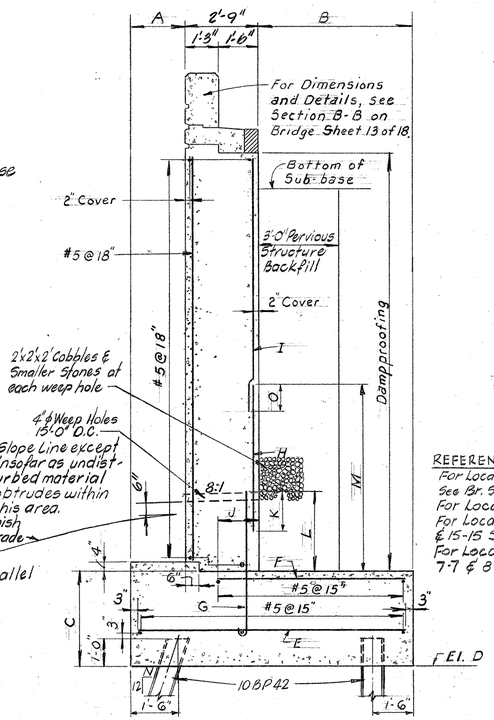
SECTION 21-21
Scale: 1" = 1'-0"



SECTION 22-22
Scale: 1" = 1'-0"



SECTIONS
1-1, 2-2, 14-14 & 15-15
Scale: ⅜" = 1'-0"



SECTIONS 3-3, 4-4, 5-5, 6-6, 7-7, 8-8, 10-10, 11-11, 12-12 & 13 13
Scale: ⅜" = 1'-0"

REFERENCES:
For Location of Sections 10-19, 20-20 & 22-22 See Br. Sh. 7 of 18 & 8 of 18
For Location of Section 21-21 See Br. Sh. 8 of 18
For Location of Sections 10-10, 11-11, 12-12, 13-13, 14-14 & 15-15 See Br. Sh. 9 of 18
For Location of Sections 1-1, 2-2, 3-3, 4-4, 5-5, 6-6, 7-7 & 8-8 See Br. Sh. 10 of 18.

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.

REVISIONS		
NO.	DATE	DESCRIPTION
1	10-11-66	Bars added in Sects 21-21 & 22-22
2	5-4-67	DIMENSION OMITTED-DET. "X"

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

DETAILS & SECTIONS

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES AS NOTED
MADE BY R.L.S. DATE 8-4-62
CHECKED BY R.A.D. DATE 8-9-62
APPROVED [signature] DATE 8-9-62
PROJECT NO. 63-184
BRIDGE SHEET NO. 14 OF 18

DRAWN BY VAISEY & DUCIE
CHECKED BY
Bridge #12

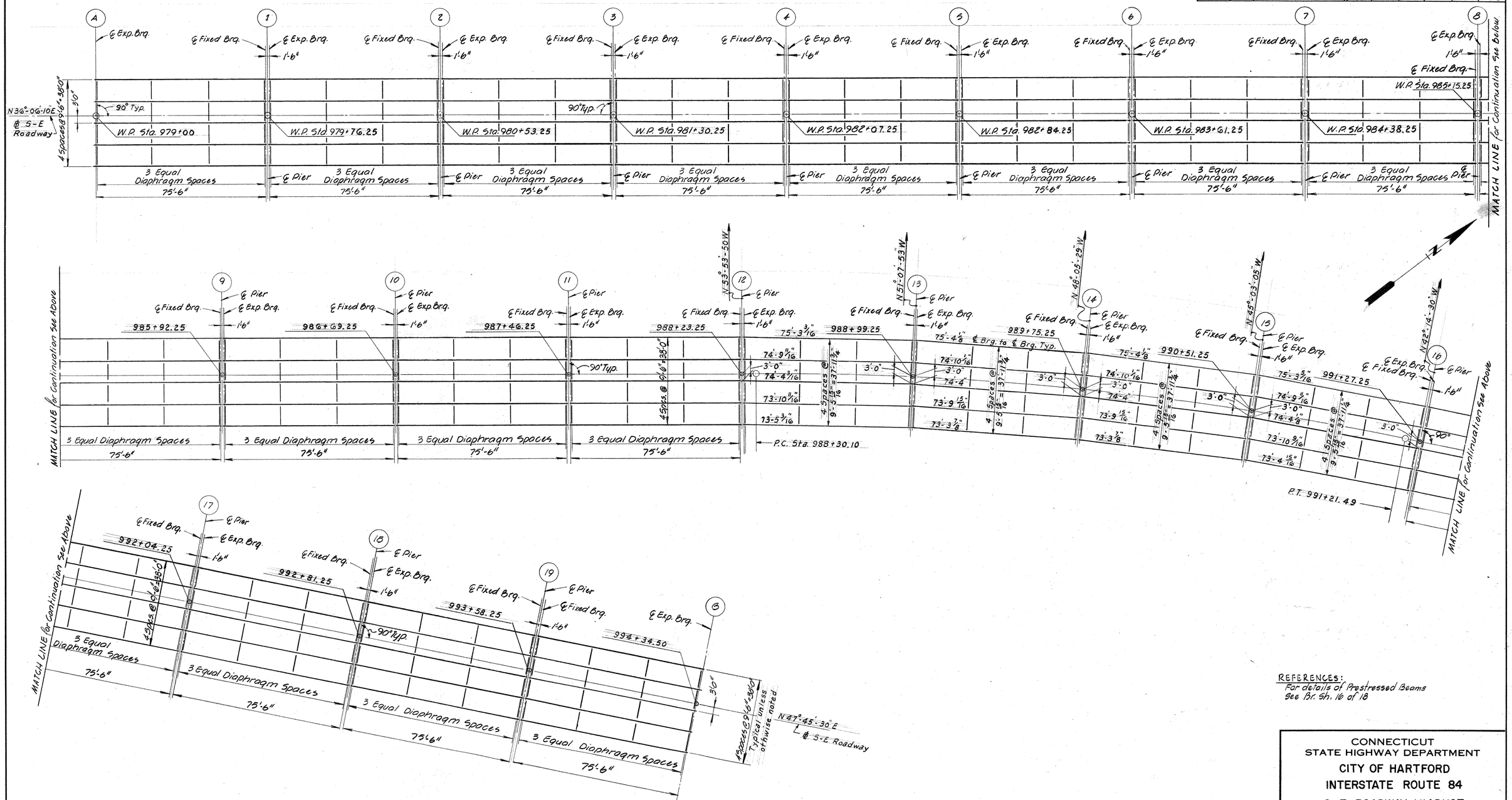
250-1260-BBP

63, 184

M 250 01

122

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-TG-84 3-(41)59	63-184	1962	I 84	123	200



FRAMING PLAN
Scale: 1" = 20'

REFERENCES:
For details of Prestressed Beams
See Br. Sh. 16 of 18

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

FRAMING PLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES 1" = 20'
MADE BY R.L.S. DATE 8/2/62
CHECKED BY R.A.D. DATE 8/2/62
APPROVED [signature] DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 15 OF 18

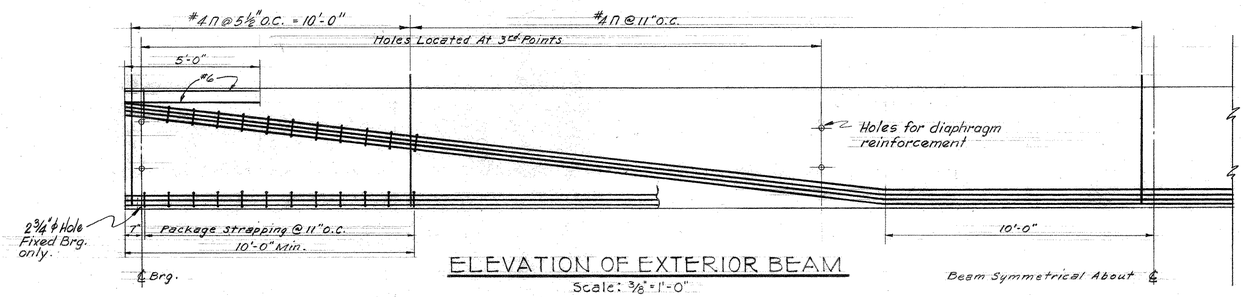
DRAWN BY D'ISIDORO
CHECKED BY Bridge #12

63 184

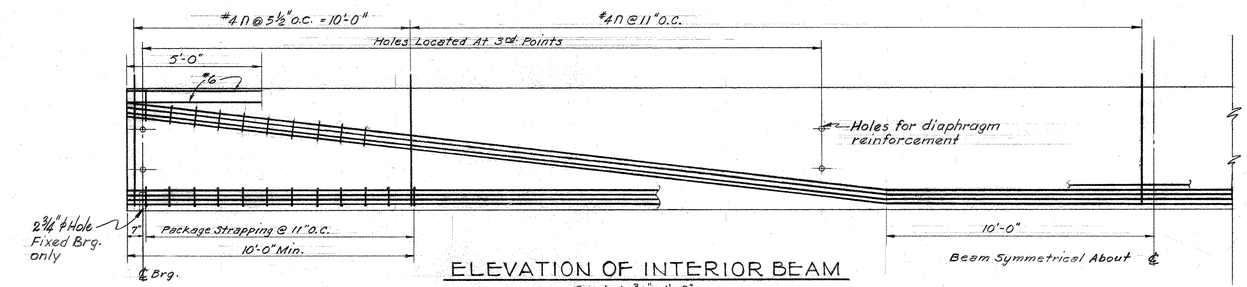
M 292 01

123

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I-I(84) 3-(41)59	63-184	1962	I 84	124	200

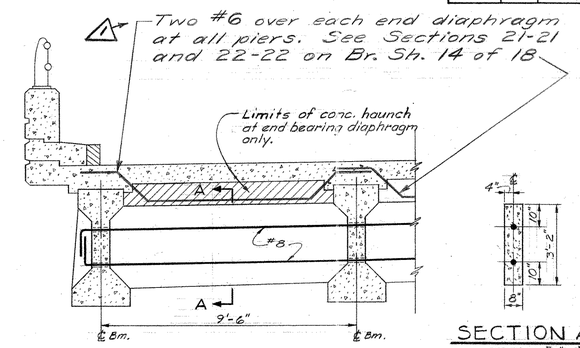


ELEVATION OF EXTERIOR BEAM
Scale: 3/8" = 1'-0"



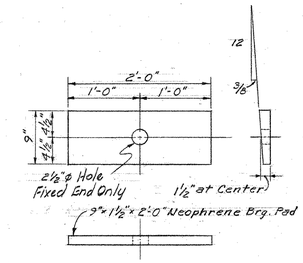
ELEVATION OF INTERIOR BEAM
Scale: 3/8" = 1'-0"

NOTE:
Holes for Diaphragm in Stringers from Piers No. 12 thru No. 16 are to be perpendicular to Fascia Stringer.

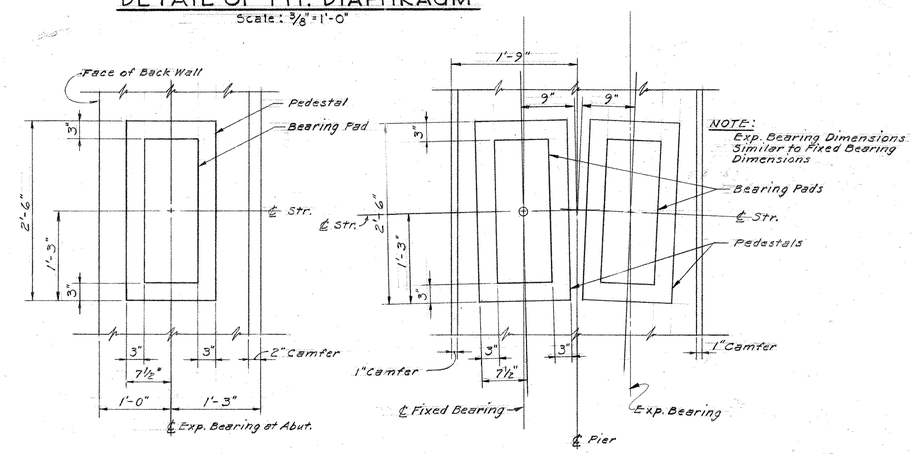


DETAIL OF TYP. DIAPHRAGM
Scale: 3/8" = 1'-0"

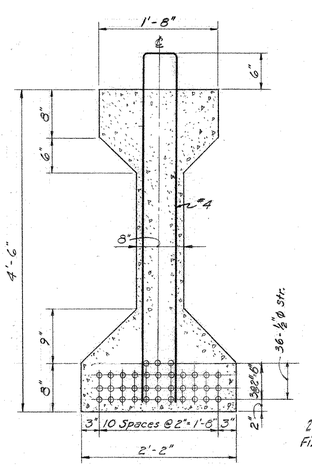
SECTION A-A
Scale: 3/8" = 1'-0"



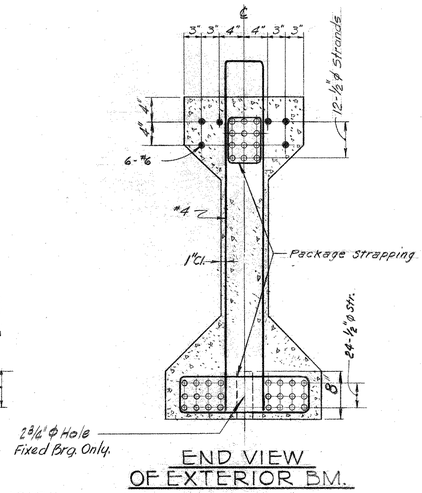
NEOPHRENE BEARING PAD
Scale: 1" = 1'-0"



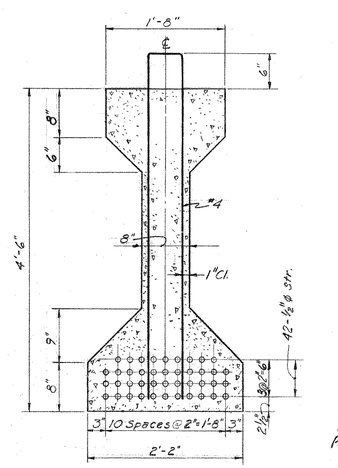
PLAN OF PEDESTALS
Scale: 1" = 1'-0"



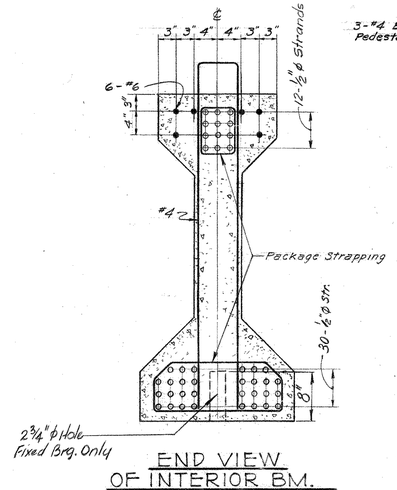
SECTION AT CENTER LINE OF EXTERIOR BM.
Scale: 1" = 1'-0"



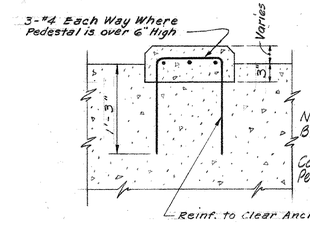
END VIEW OF EXTERIOR BM.
Scale: 1" = 1'-0"



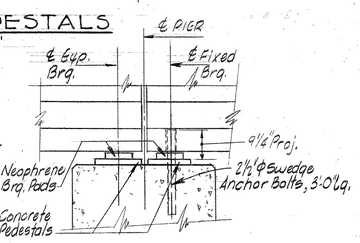
SECTION AT CENTER LINE OF INTERIOR BM.
Scale: 1" = 1'-0"



END VIEW OF INTERIOR BM.
Scale: 1" = 1'-0"



TYPICAL SECTION THRU PEDESTALS
Not to Scale



EXP. & FIXED BEARING DETAIL

NOTE:
See Special Provisions for Prestressed Concrete Beams

REVISIONS		
NO.	DATE	DESCRIPTION
1	10-11-96	Added bars in DETAIL OF TYP. DIAPHRAGM

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S - E ROADWAY VIADUCT

PRESTRESSED BEAM DETAILS

DESIGNED BY HAYDEN & HARDING - CONSULTING ENGINEERS
SCALES AS NOTED
MADE BY R.L.S. DATE 8/2/62
CHECKED BY R.A.D. DATE 8/2/62
APPROVED Lu R. Hayden DATE 8/10/62
PROJECT NO. 63-184
BRIDGE SHEET NO. 16 OF 18

DRAWN BY Tobin
CHECKED BY Bridge 1/2

250-1260-BBP

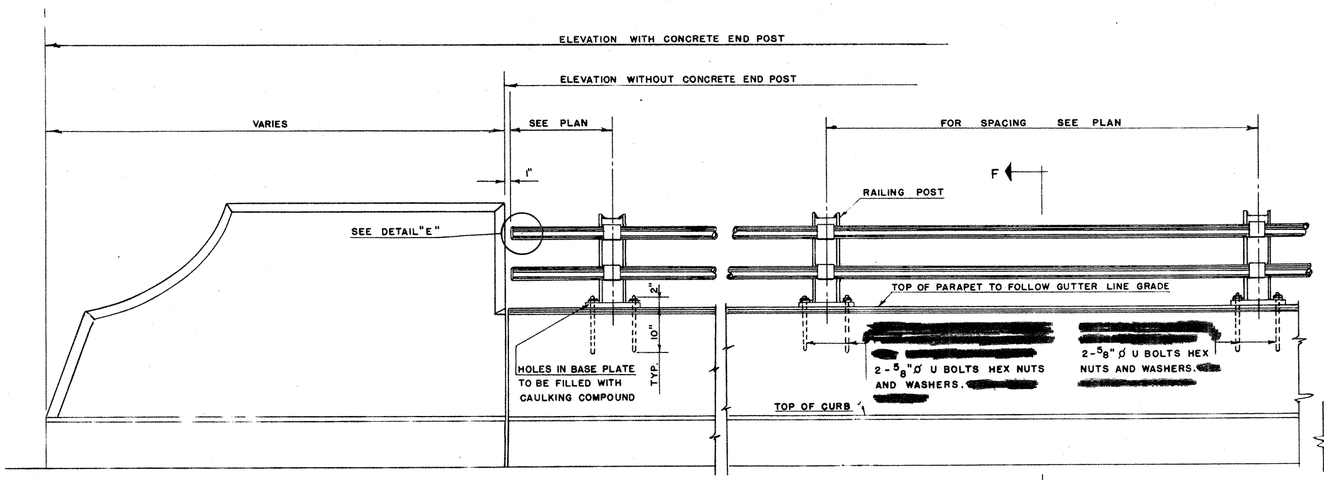
63 184

M 292 01

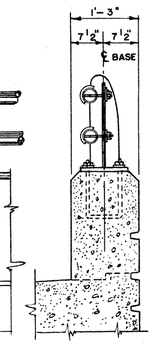
124

FORM NO. ENG. 15 ED. 11-52

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	I 10-84 3-(41) 559	63-184	1962	I 84	125	200



ELEVATION
CONC. END POST AND RAIL
SCALE 3/4" = 1'-0"



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

METAL BRIDGE RAIL
(STRUCTURAL STEEL)

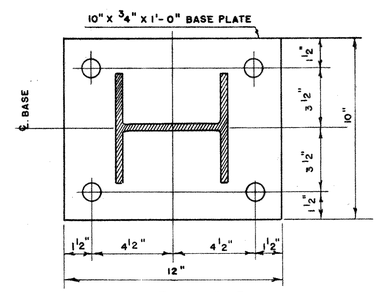
ALL POSTS TO BE 6 WF 20 STRUCTURAL STEEL.
ALL RAILS TO BE 2 1/2" ø STANDARD STEEL PIPE.
RAILING POSTS SHALL BE VERTICAL.
IF NECESSARY SHIM WITH LEAD WOOL AND CAULK. [redacted]
[redacted]
ALL POSTS & BASE PLATES TO BE OF STRUCTURAL STEEL CONFORMING TO A.S.T.M. A-36-62T

METAL BRIDGE RAIL
(CAST POST - IRON)

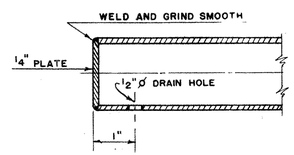
ALL POSTS TO BE MALLEABLE IRON CASTING [redacted]
ALL RAILS TO BE 2 1/2" ø STANDARD STEEL PIPE.
RAILING POSTS SHALL BE VERTICAL.
IF NECESSARY SHIM WITH LEAD WOOL AND CAULK. [redacted]

METAL BRIDGE RAIL
(CAST POST - ALUMINUM)

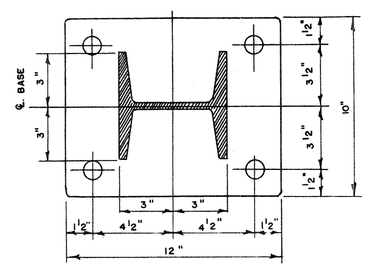
ALL POSTS TO BE CAST OF ALUMINUM. SEE SPECIAL PROVISION.
ALL RAILS TO BE 3" O.D. X 2.625" I.D. ALUMINUM TUBING. [redacted]
RAILING POSTS SHALL BE VERTICAL.
IF NECESSARY SHIM WITH ALUMINUM SHEETS AND CAULK. [redacted]
ALUMINUM RAILING AND POSTS SHALL NOT BE PAINTED.



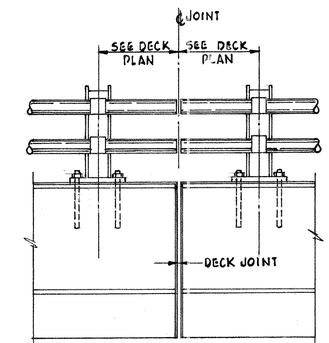
SECTION B-B
SCALE 3" = 1'-0"



DETAIL "E"
NOT TO SCALE



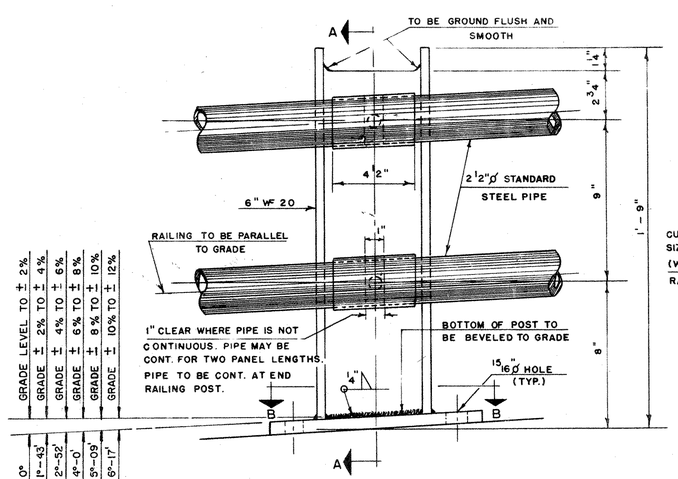
SECTION C-C
SCALE 3" = 1'-0"



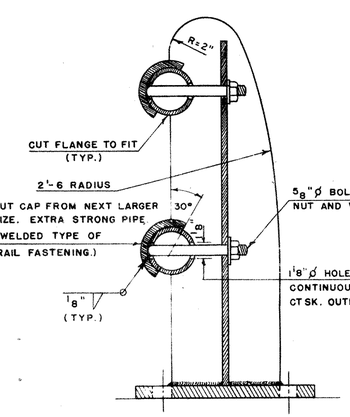
TYPICAL DETAIL OF BRIDGE RAIL AT DECK JOINTS
Scale 3/4" = 1'-0"

GENERAL NOTES:

UNLESS OTHERWISE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS METAL BRIDGE RAIL MAY BE: METAL BRIDGE RAIL (STRUCTURAL STEEL). METAL BRIDGE RAIL (CAST POST-IRON) OR METAL BRIDGE RAIL (CAST POST-ALUMINUM).
COST OF FURNISHING AND SETTING 5/8" ø U BOLTS, HEX NUTS AND WASHERS TO BE INCLUDED IN ITEM "METAL BRIDGE RAIL."

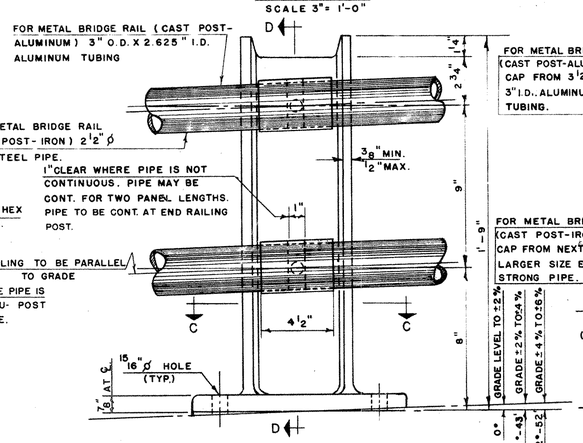


ELEVATION OF POST
SCALE 3" = 1'-0"

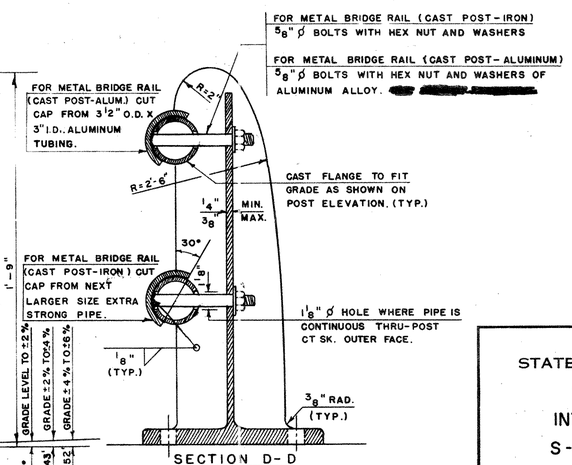


SECTION A-A
SCALE 3" = 1'-0

DETAILS
STRUCTURAL STEEL POST
FOR METAL BRIDGE RAIL (STRUCTURAL STEEL)



ELEVATION OF POST
SCALE 3" = 1'-0"



SECTION D-D
SCALE 3" = 1'-0"

NOTE

DETAILS OF METAL BRIDGE RAILING AND FASTENING SIMILAR TO DETAILS SHOWN FOR METAL BRIDGE RAILING. (STRUCTURAL STEEL.)

DETAILS
CAST POST
FOR METAL BRIDGE RAIL (CAST POST-IRON)
AND
FOR METAL BRIDGE RAIL (CAST POST-ALUMINUM)

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.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
CITY OF HARTFORD
INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

RAILING DETAILS

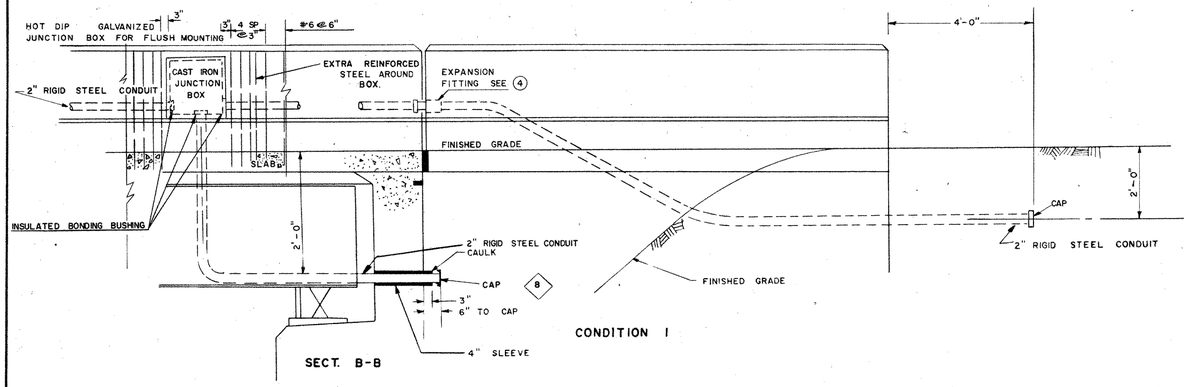
DESIGNED BY C.H.D.
SCALES AS NOTED
MADE BY G.M.K. & G.J.Z. DATE 4-29-60
CHECKED BY J.F.C. DATE 10/29/60
APPROVED V. F. Pagan DATE 10/29/60
PROJECT NO. 63-184
BRIDGE SHEET NO. 17 OF 18

"ARCHRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 11210

63 184

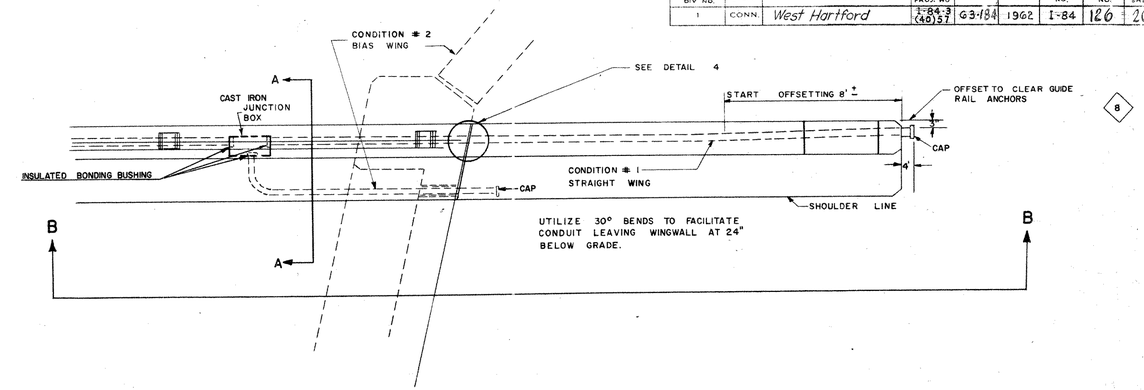
M 202 01 125

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	West Hartford	I-84-3 (40)57	63-184	1962	I-84	126	200



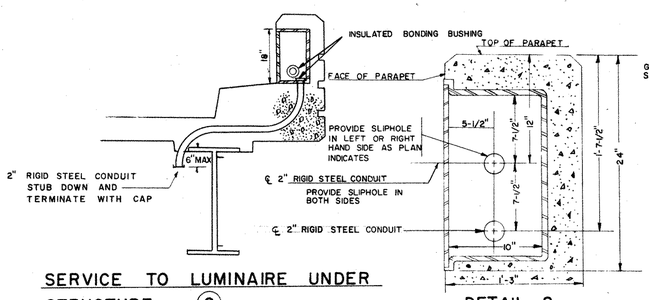
CONDUIT PARAPET TO FILL 3

SCALE 1/2" = 1'-0"



CONDUIT PARAPET TO FILL 1

NOT TO SCALE



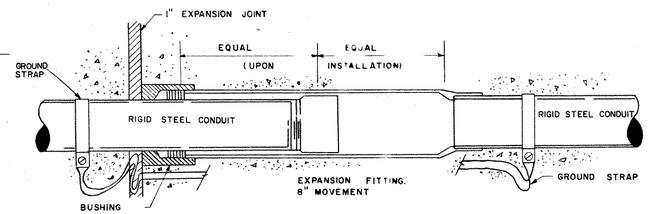
SERVICE TO LUMINAIRE UNDER STRUCTURE 6

NOT TO SCALE

DETAIL 2

18" x 18" x 10" JUNCTION BOX FOR LIGHT STANDARD

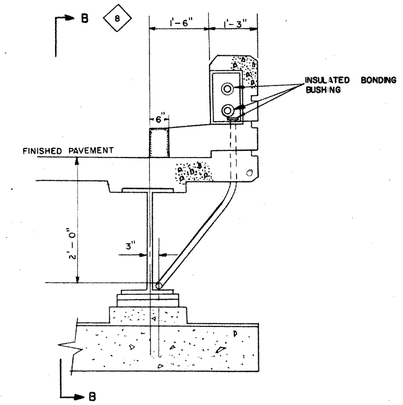
NOT TO SCALE



DETAIL OF EXPANSION FITTING 4

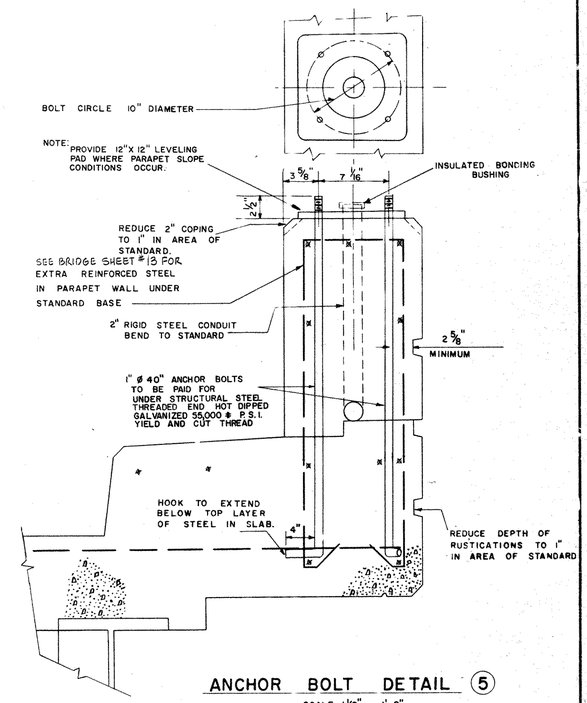
USE AT ALL EXPANSION JOINTS

NOT TO SCALE



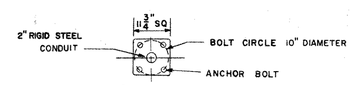
SECT A-A

NOT TO SCALE

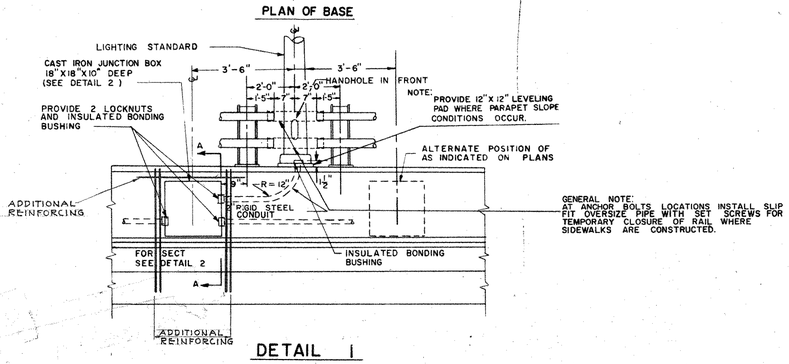


ANCHOR BOLT DETAIL 5

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



PLAN OF BASE

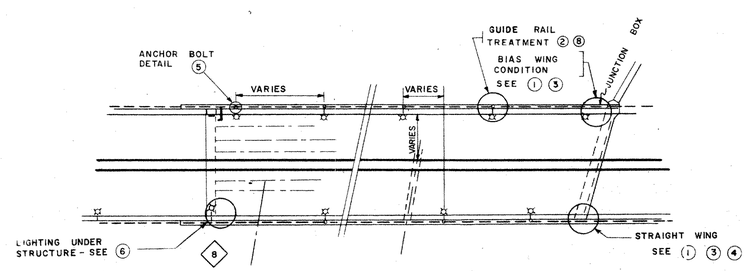


DETAIL 1

LIGHTING STANDARD ON PARAPET WALL, TYPICAL

NOT TO SCALE

NOTE: See Bridge Sheet #13 of 18 for Additional Reinforcement at Junction Boxes.



INDEX TO DETAILS

NOT TO SCALE

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REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

CITY OF HARTFORD

INTERSTATE ROUTE 84
S-E ROADWAY VIADUCT

ELECTRICAL DETAILS

SCALE AS NOTED	ELECTRICAL		PROJECT NO.
DESIGNED BY	C. W. JOHNSON	3/1/61	63-184
MADE BY	R.E. WENTWORTH	3/1/61	
SUBMITTED BY	H.A. KERR	3/1/61	BRIDGE SH. NO.
APPROVED BY	R. M. Walsh	3-1-61	18 of 18

63 184

M292 01 126 C-203