07 - FOR INFORMATION ONLY
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
FIO-01	INDEX OF FOR INFORMATION ONLY DRAWINGS		
FIO-02	FOR INFORMATION ONLY EX. STRUCTURE 1 OF 2		
FIO-03	FOR INFORMATION ONLY EX. STRUCTURE 2 OF 2		

DESIGNED BY:
ANCHOR
ENGINEERING SERVICES, INC.

STATE OF CONNECTICUT
MARK M. ZESSIN
No. 18215
LICENSED
PROFESSIONAL ENGINEER

Mark M. Zessin
2018.10.19
10:51:55-04'00'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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 CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 10/19/2018

DESIGNER/DRAFTER: K. FLETCHER
CHECKED BY: M. ZESSIN

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\07.01_SB_MSH_167_0107_Br02151_DWL-07.dgn

SIGNATURE/BLOCK:

ANCHOR
41 Sequin Drive
Glastonbury, CT 06033
T: (860) 633-7960
F: (860) 633-5971

PROJECT TITLE:
REHABILITATION OF
BRIDGE NO. 02151
ROUTE 15 OVER RACE BROOK

TOWN: WOODBRIDGE

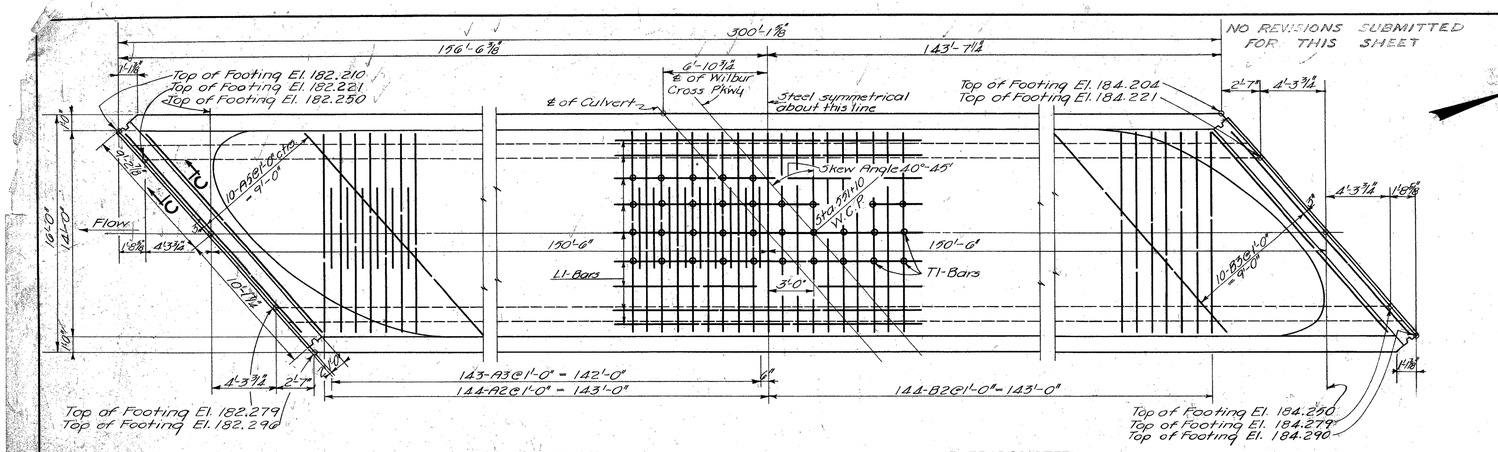
DRAWING TITLE:
FOR INFORMATION ONLY
INDEX OF DRAWINGS

PROJECT NO. 0167-0107
DRAWING NO. FIO-01
SHEET NO. 07.01

Border Version: 07/19/16

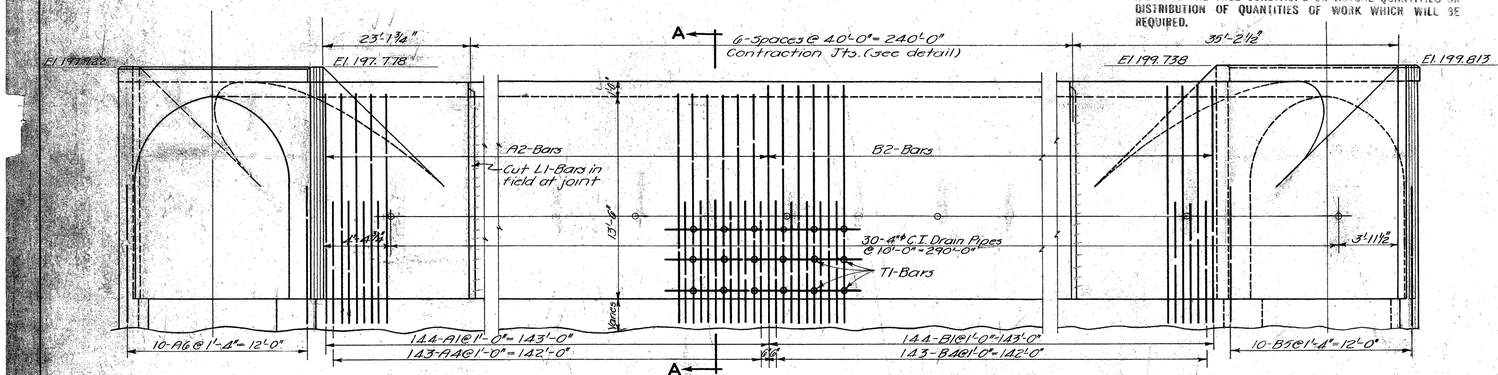
FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	Woodbridge		1947		40	10,E

NO REVISIONS SUBMITTED FOR THIS SHEET

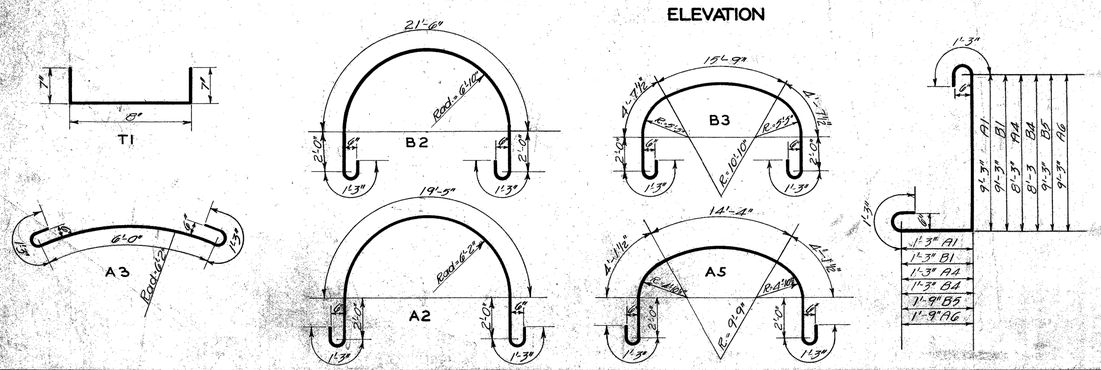


INTRADOS STEEL — PLAN — EXTRADOS STEEL

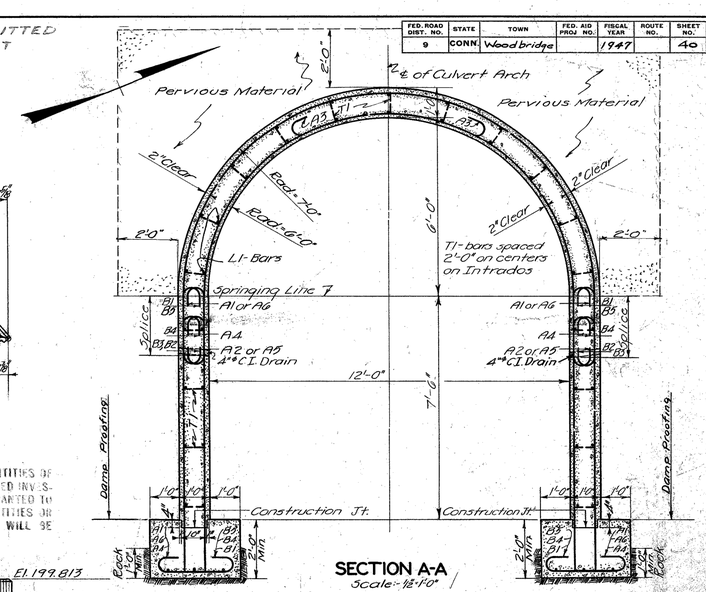
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.



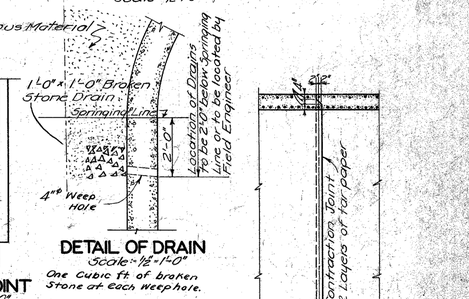
INTRADOS STEEL — ELEVATION — EXTRADOS STEEL



BAR BILL ARCH					
MARK	SIZE	NO.	LENGTH	WEIGHT	REMARKS
A1	5/8"ϕ	574	13'-0"	7,783	Detailed
A2	"	287	29'-11"	7,759	"
A3	"	286	8'-6"	2,536	"
A4	"	572	12'-0"	7,159	"
A5	"	20	29'-1"	607	"
A6	"	20	13'-6"	282	"
B1	"	574	13'-0"	7,783	"
B2	"	287	28'-0"	8,382	"
B3	"	20	31'-6"	657	"
B4	"	572	12'-0"	7,159	"
B5	5/8"ϕ	20	13'-6"	282	"
L1	1/2"ϕ	440	32'-0"	9,405	Straight
T1	1/2"ϕ	2736	1'-10"	3,345	Detailed
Sub Total				63,139 Lb.	



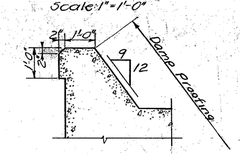
SECTION A-A
Scale: 1/2"=1'-0"



DETAIL OF JOINT
Scale: 1"=1'-0"

DETAIL OF DRAIN
Scale: 1/2"=1'-0"
One Cubic ft of broken Stone at each Weephole.

PART LONG. SECT.
SHOWING CONTRACTION JT.



PART SECT. C-C
Scale: 1/2"=1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION
1	11-14-47	Changed computed weights of all bars. L.B.K.

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF WOODBRIDGE
WILBUR CROSS PKWY
OVER
RACE BROOK
REINF. CONC. ARCH CULVERT
ARCH DETAILS

SCALES 1/4" unless noted
MADE BY J.W.C. T.E.C.S. DATE 3-20-40
CHECKED BY E.B.T. DATE 3/21/40
APPROVED J.F. Willis DATE 3-25-40
W.O. NO. 185-05
BRIDGE SHEET 2 OF 2

185 05 147 01 STANDARD No.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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 CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 10/19/2018

DESIGNER/DRAFTER: K. FLETCHER
CHECKED BY: M. ZESSIN

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\07.02_SB_MSH_167_0107_Br02151_FIO-02.dgn

SIGNATURE/BLOCK: STATE OF CONNECTICUT MARK M. ZESSIN No. 18215 LICENSED PROFESSIONAL ENGINEER — ANCHOR 41 Sequin Drive Glastonbury, CT 06033 P: 860.633.4770 F: 860.633.5911

PROJECT TITLE: REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

TOWN: WOODBRIDGE

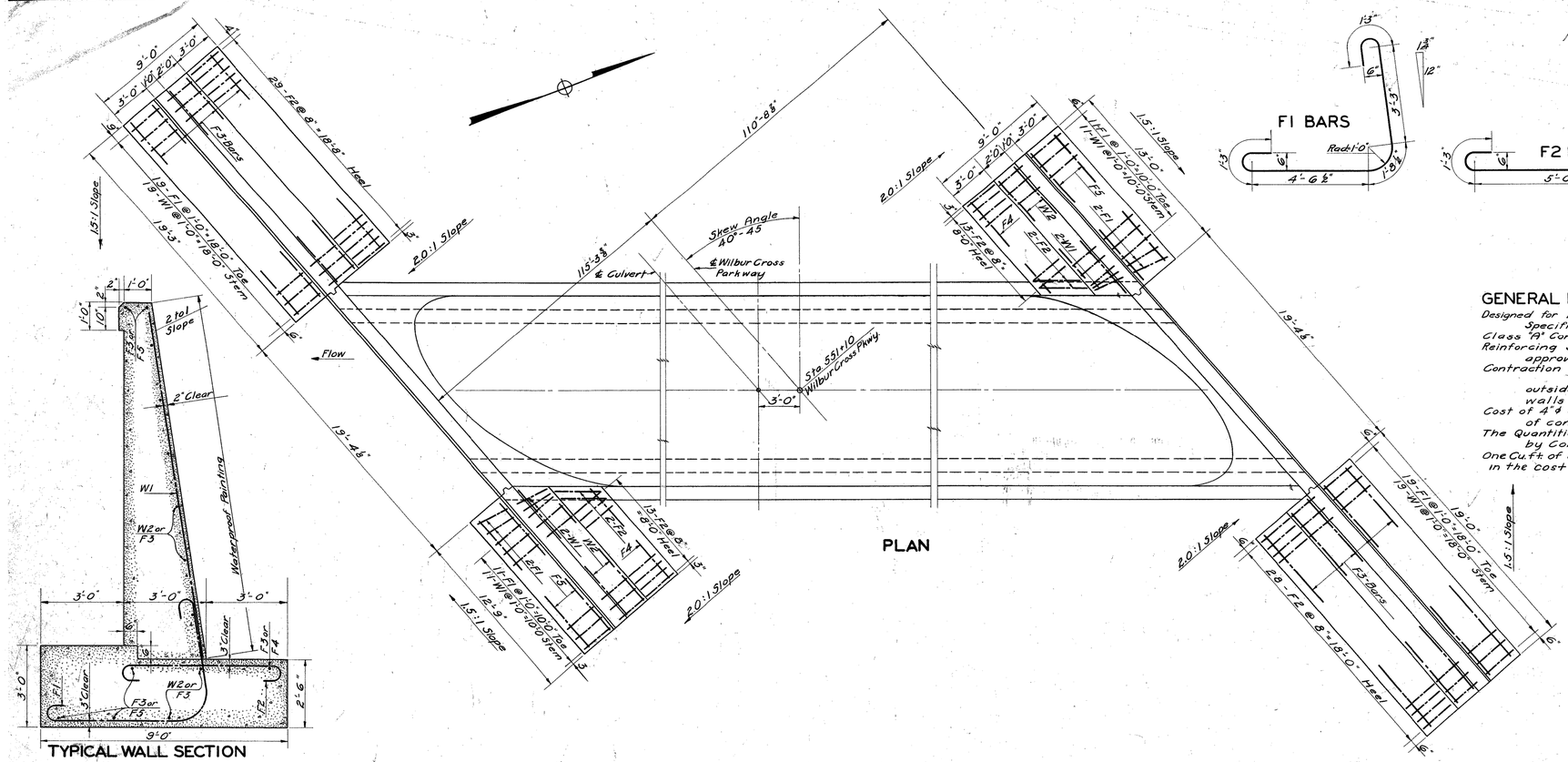
DRAWING TITLE: FOR INFORMATION ONLY EX. STRUCTURE 1 OF 2

PROJECT NO. 0167-0107
DRAWING NO. FIO-02
SHEET NO. 07.02

Border Version: 07/19/16

FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.	Woodbridge		1947		39	103

NO REVISIONS SUBMITTED FOR THIS SHEET



BAR BILL
WING WALLS

MARK	SIZE	NO	LENGTH	WEIGHT	REMARKS
F1	⅝"ϕ	64	12'-0"	801	Detailed
F2	"	87	7'-6"	681	"
F3	½"ϕ	28	18'-6"	346	Straight
F4	"	2	8'-6"	11	"
F5	"	10	12'-5"	82	"
W1	"	64	13'-0"	556	"
W2	"	16	10'-9"	115	"
Total				2,592 Lb.	

GENERAL NOTES

Designed for H20 Loading Conn. State Highway Department Specifications.
Class "A" Concrete to be used for entire structure.
Reinforcing Steel to consist of deformed bars of an approved type.
Contraction Joints to be provided as shown on plan.
Damp proofing to be applied to outside of arch barrel and to backs of all wing walls and head walls.
Cost of 4"ϕ C.I. pipe to be included in general cost of contract.
The Quantities given are approximate and should be checked by Contractor before bidding.
One Cu. ft. of broken Stone at each weep hole to be included in the cost of pervious material.

QUANTITES

Bridge Excavation	1,300 C.Y.
Class "A" Concrete	656 C.Y.
Deformed Steel Bars	65,731 Lb.
Portland Cement	927 Bbl.
Natural Cement	167 Bbl.
Damp Proofing	1350 SY.
Pervious Material	950 C.Y.

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CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF WOODBRIDGE
WILBUR CROSS PKWY
OVER
RACE BROOK
REINF. CONC. ARCH CULVERT
WING WALL DETAILS

REVISIONS		
NO.	DATE	DESCRIPTION
1	11-14-47	Changed computed weights of all bars. E.D.W.

SCALES 1/4" & 1/2" = 1'-0"
MADE BY J.W.C. Tr. L.W.W. DATE 3-9-40
CHECKED BY E.D.W. DATE 3/21/40
APPROVED J. F. Willis DATE 3-25-40
W.O. NO. 185-05
BRIDGE SHEET NO. 1 OF 2
39 STANDARD NO.

185 05 147 01

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 10/19/2018

DESIGNER/DRAFTER: K. FLETCHER
CHECKED BY: M. ZESSIN

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ..\07.03_SB_MSH_167_0107_Br02151_FIO-03.dgn

SIGNATURE/BLOCK:
STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER No. 18018
ANCHOR
21 Depot Cities
Glastonbury, CT 06033
P: 860.633.8770
F: 860.633.7071

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02151
ROUTE 15 OVER RACE BROOK

TOWN: WOODBRIDGE

DRAWING TITLE:
FOR INFORMATION ONLY
EX. STRUCTURE 2 OF 2

PROJECT NO. 0167-0107
DRAWING NO. FIO-03
SHEET NO. 07.03

Border Version: 07/19/16