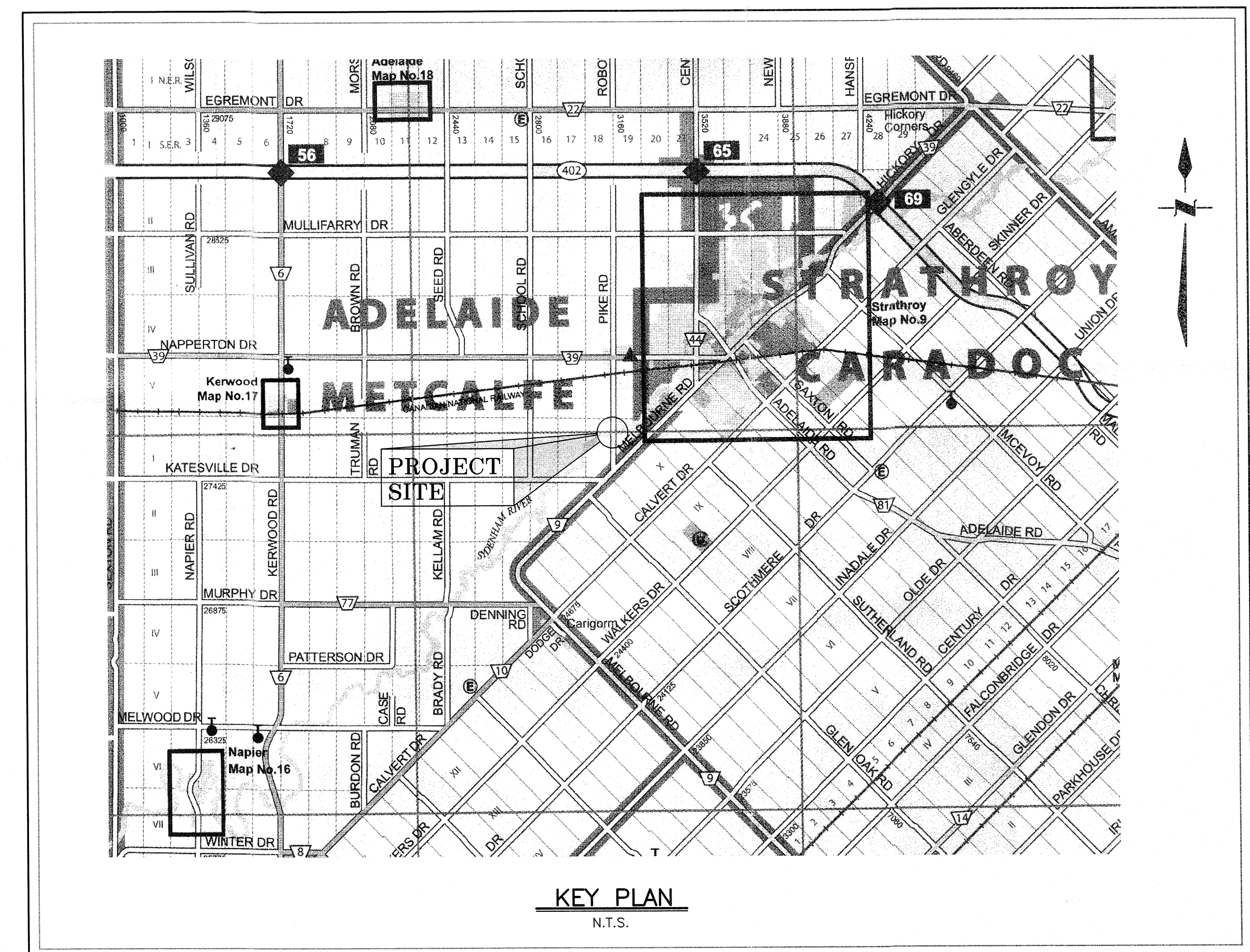


PIKE ROAD BRIDGE REHABILITATION

TOWNSHIP OF ADELAIDE METCALFE

INDEX OF DRAWINGS

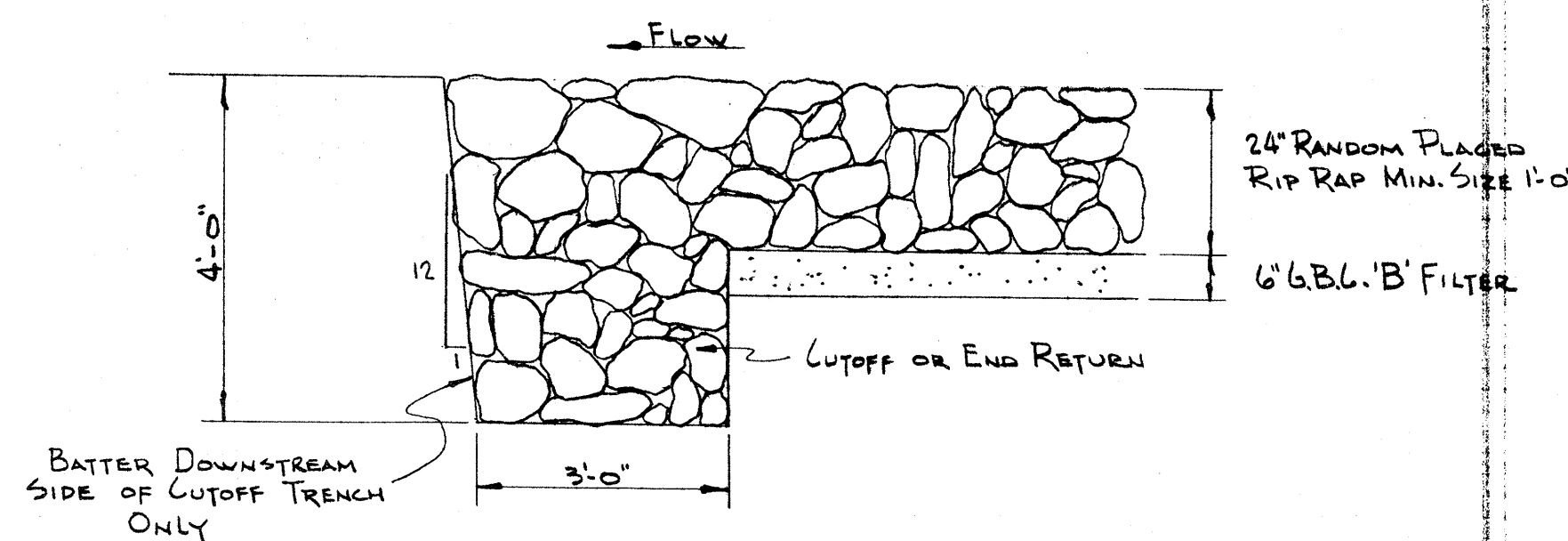
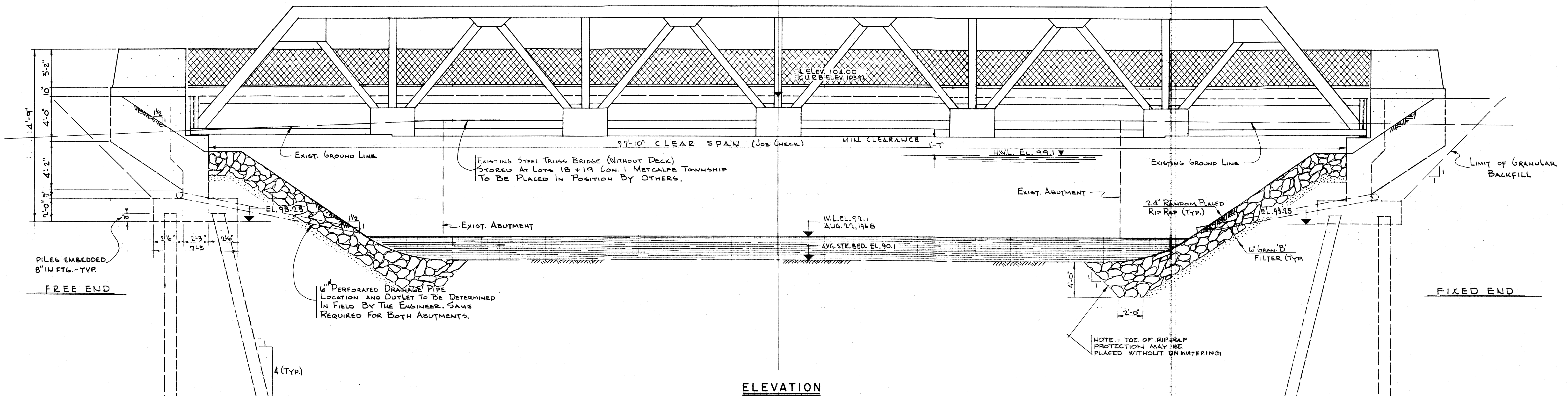
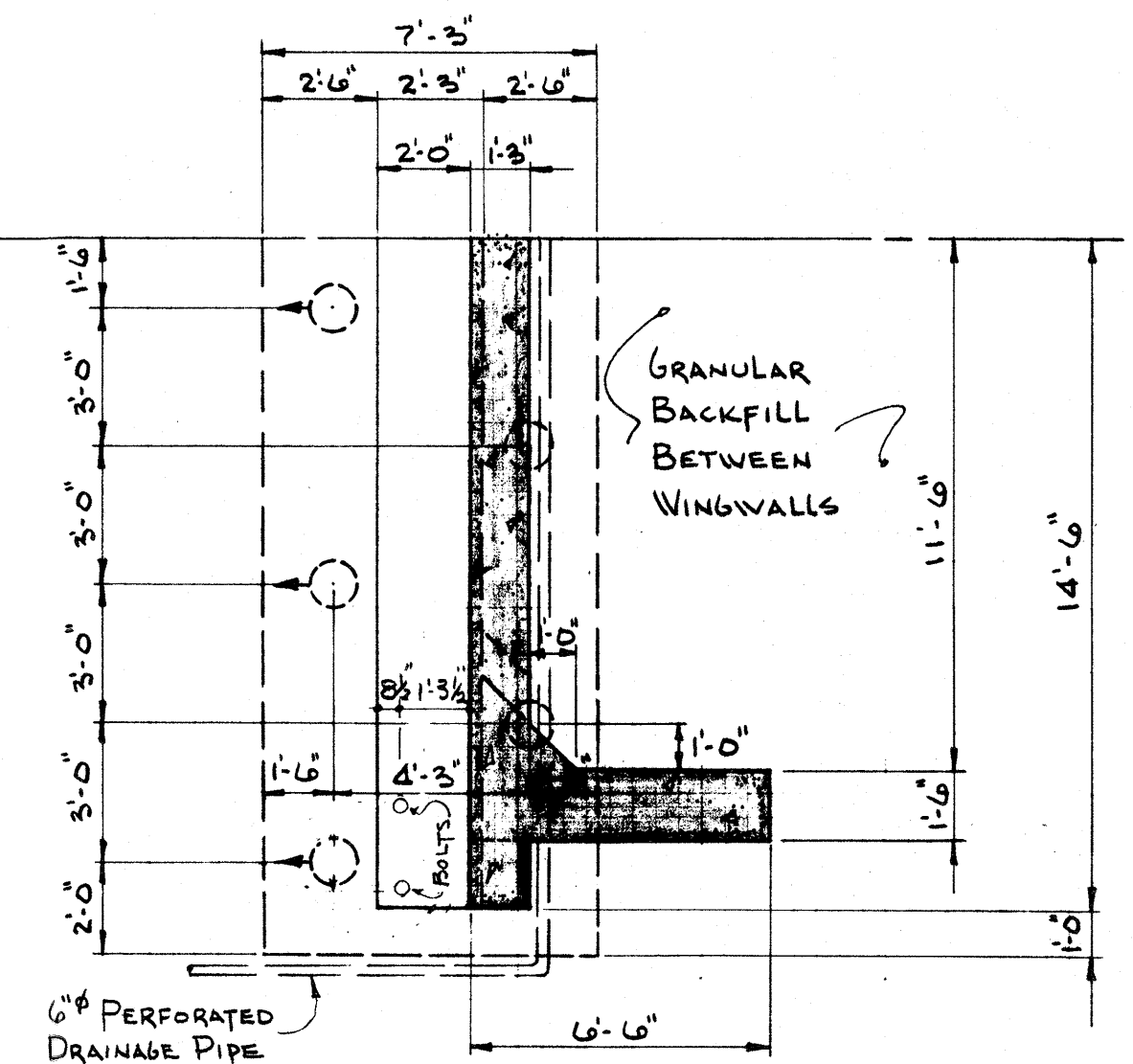
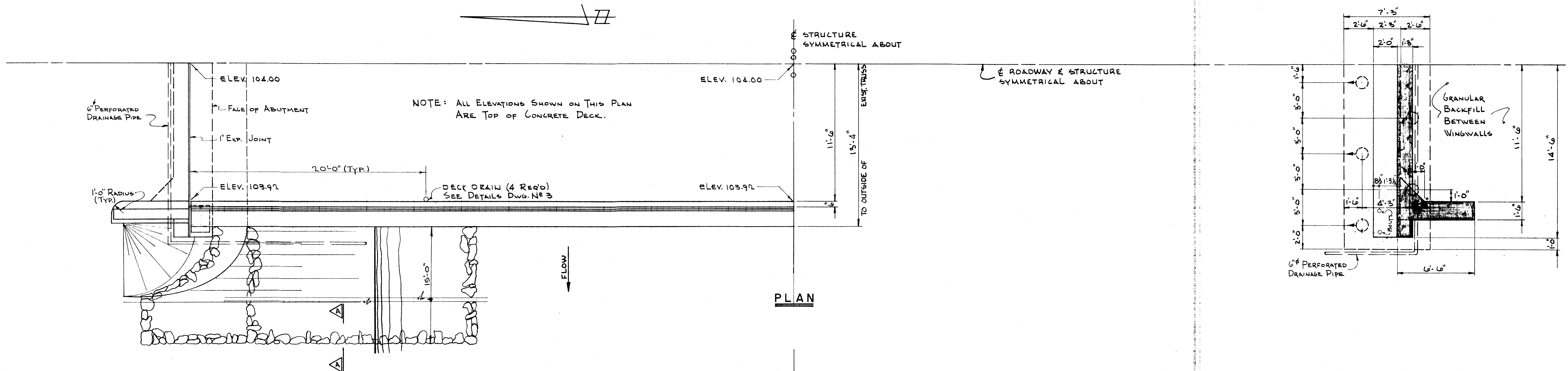
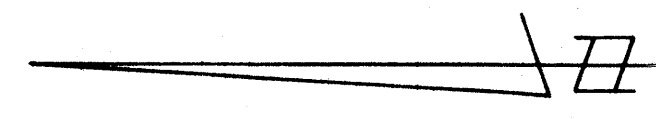
DRAWING No.	DESCRIPTION
	COVER SHEET
1.	PLAN, ELEVATION & DETAILS
2.	SECTIONS & DETAILS



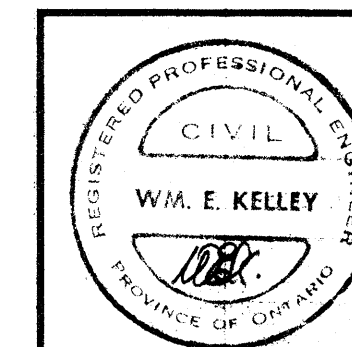
PIKE ROAD

JOB No. 205229
JULY 12, 2011

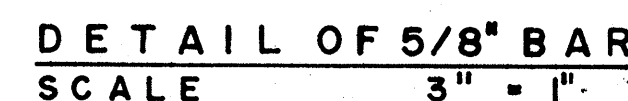
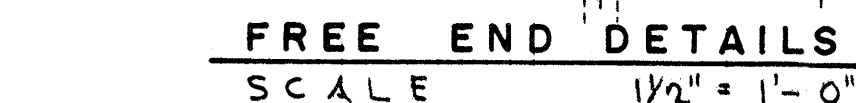
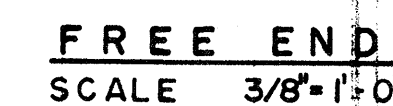
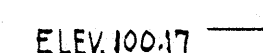
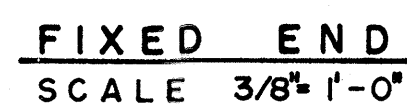
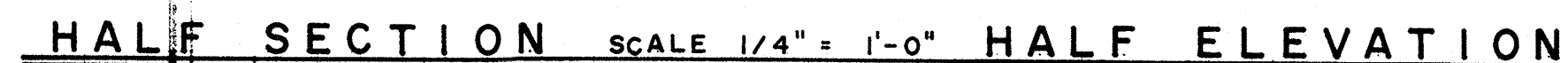
CONSULTANT
SPRIET ASSOCIATES
LONDON
CONSULTING ENGINEERS LIMITED
155 YORK STREET — LONDON (519) 672-4100 — N6A 1A8



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



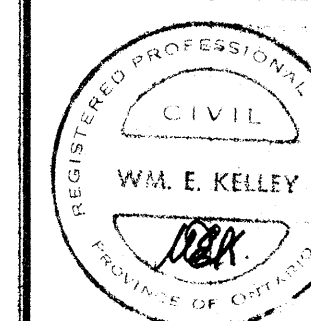
BRIDGE NO. 8			
TOWNSHIP OF METCALFE			
SCALE: 1/4" = 1'-0"	APPROVED BY:	JOB NO.	DRAWN BY
DATE: NOV. 1968		68068	E.B.W.
PLAN & ELEVATION		DRAWING NUMBER	
A. M. SPRIET & ASSOCIATES LTD.		2 of 4	
CONSULTING ENGINEERS			



- GENERAL NOTES

1. Structure designed for H20-S16 loading.
2. Work on the structure must be commenced until monuments to fix control points have been erected and checked by the Engineer.
3. Structure to be built in accordance with D.H.O. Form 9, Revised, and the Engineer's specifications for Bridge No. 8, Township of Metcalfe.
4. The complete soil investigation report by H.Q. Golder & Associates Ltd. may be examined at the Consulting Engineer's Office. The Consulting Engineer does not guarantee the accuracy of this report.
5. Contractor to check and verify all dimensions on the job and report any discrepancies to the Engineers before proceeding with the work.
6. Pile Foundations
 - Type - 12 $\frac{1}{2}$ " O.D. steel tube piles with a 0.312" min. wall thickness
 - Desing Load - 40 tons per pile
 - Length of pile - 30'±
7. Footings to be finished to the neat dimensions and the concrete shall be poured against undisturbed material where applicable.
8. No concrete shall be placed in the footings before the character of the soil and excavation for footings have been approved by the Engineer.
9. Concrete Mix
 - (a) Concrete strength 3,000 P.S.I. @ 28 days
 - (b) All concrete shall include an approved air entraining agent.
 - (c) Maximum size of aggregate shall be $\frac{3}{4}$ " in deck slab, curb and parapet wall; $\frac{1}{2}$ " in footings and 1" elsewhere or as specified.
10. All exposed edges to be chamfered 1" unless otherwise noted. All acute angles shall be filleted as indicated.
11. No concrete to be poured before materials, formwork, falsework and reinforcing have been checked by the Engineer.
12. Construction joints not shown on plans must be approved by the Engineer.
13. Reinforcing Steel to be Hi-Bond. Clear cover unless otherwise noted; 3" in footings and all surfaces in contact with earth or water; 1" in bottom $\frac{1}{2}$ " top of deck; 2" elsewhere.
14. Estimated Quantities:

(a) Reinforcing Steel	10	Tons
(b) Concrete	141	Cu. Yds.
15. ALL MEASUREMENTS MUST BE CHECKED BY THE CONTRACTOR AT JOB SITE BEFORE CONSTRUCTION.



B R I D G E N O. 8
TOWNSHIP OF METCALFE

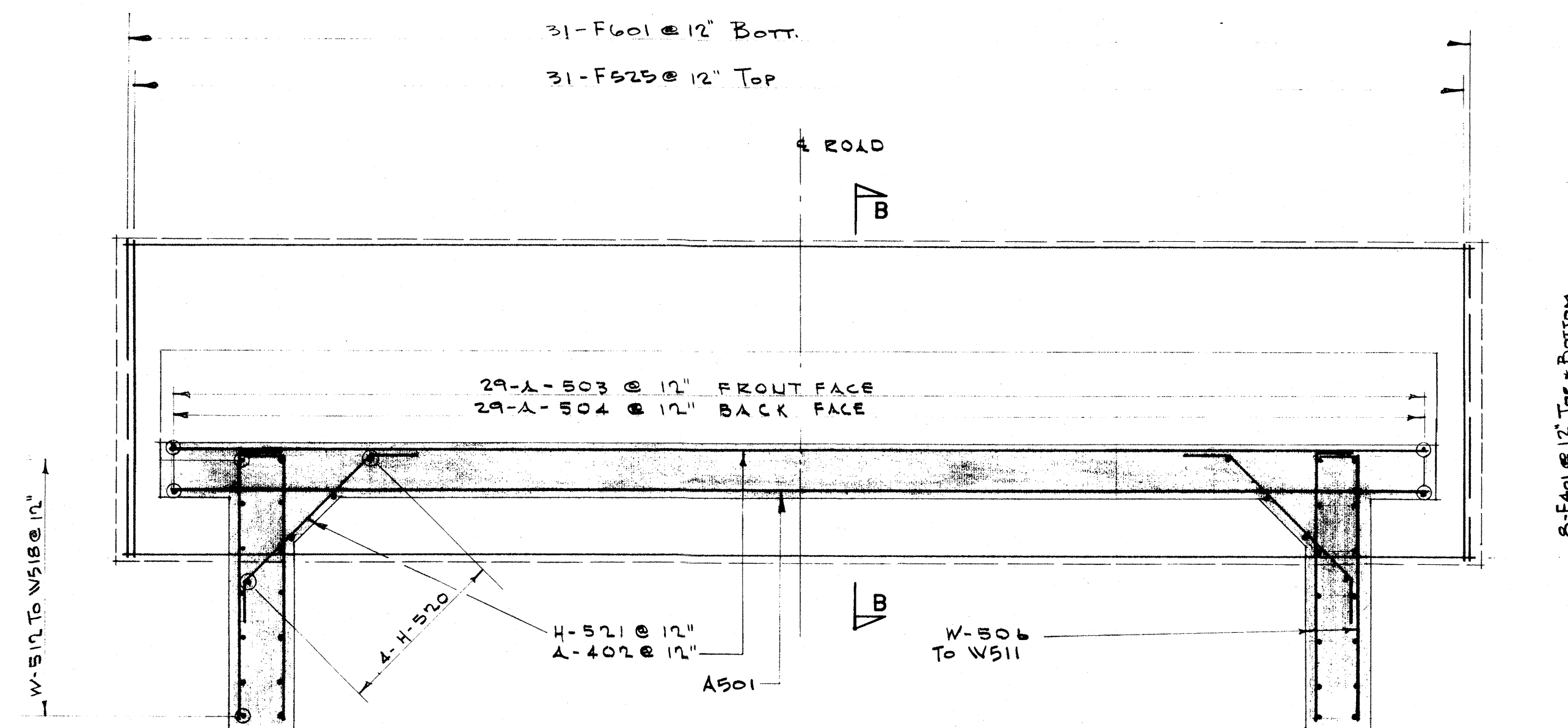
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DATE: NOV. 1968			REVISED

SECT., ELEV., & DETAILS

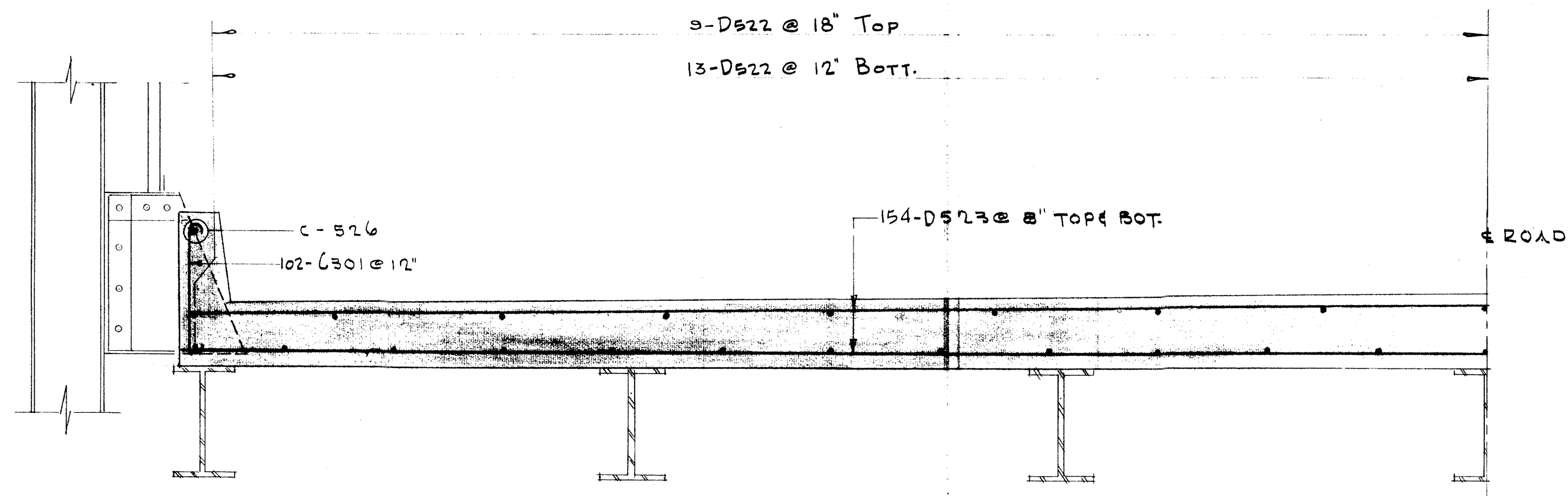
A. M. SPRIET & ASSOCIATES LTD
CONSULTING ENGINEERS

DRAWING NUMBER
3.

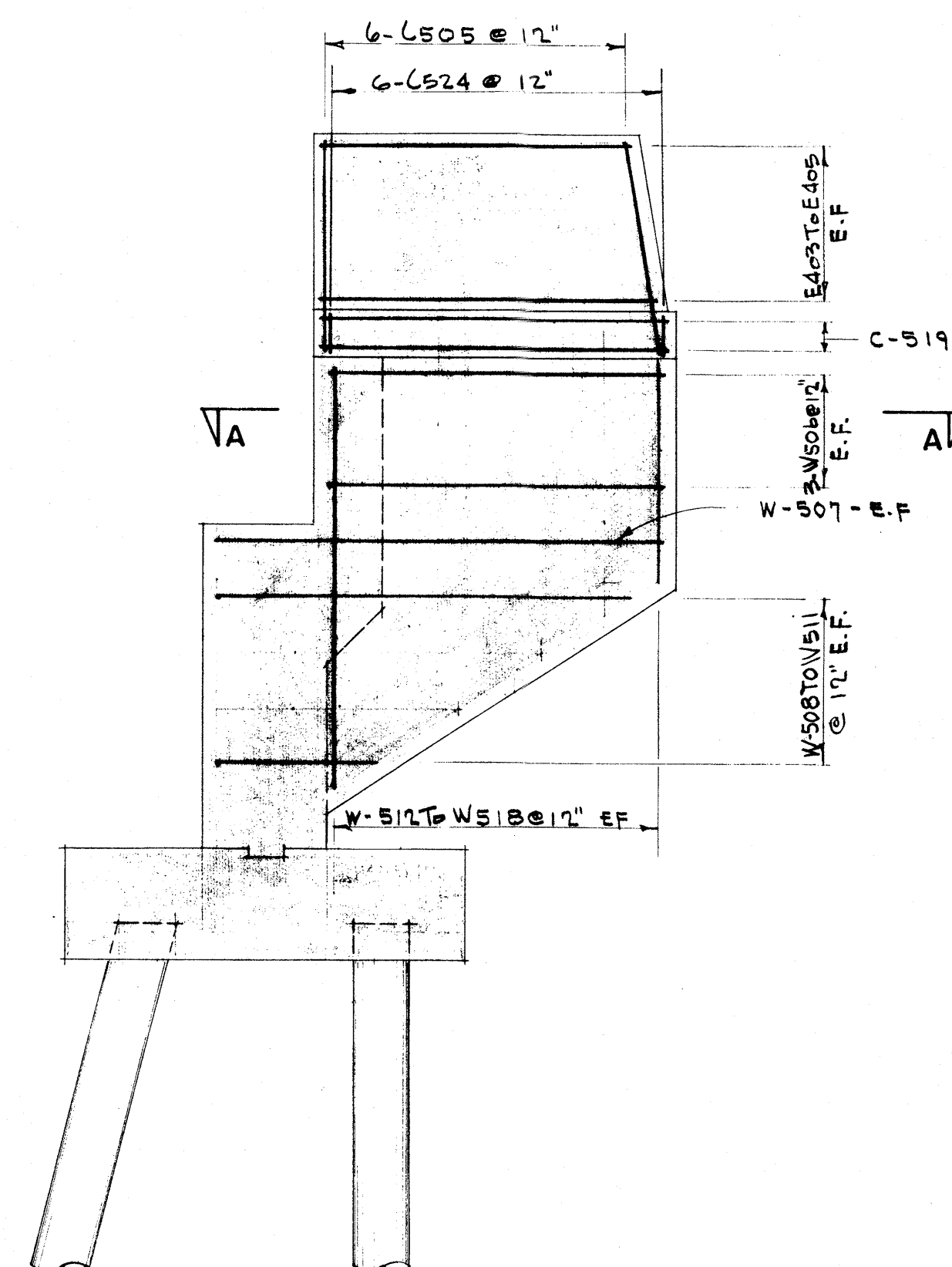
NOTE: THE 4" Ø OUTLET PIPE - SUPPLIED IN CONFORMANCE
WITH A.S.T.M. SPEC. A120-61T.



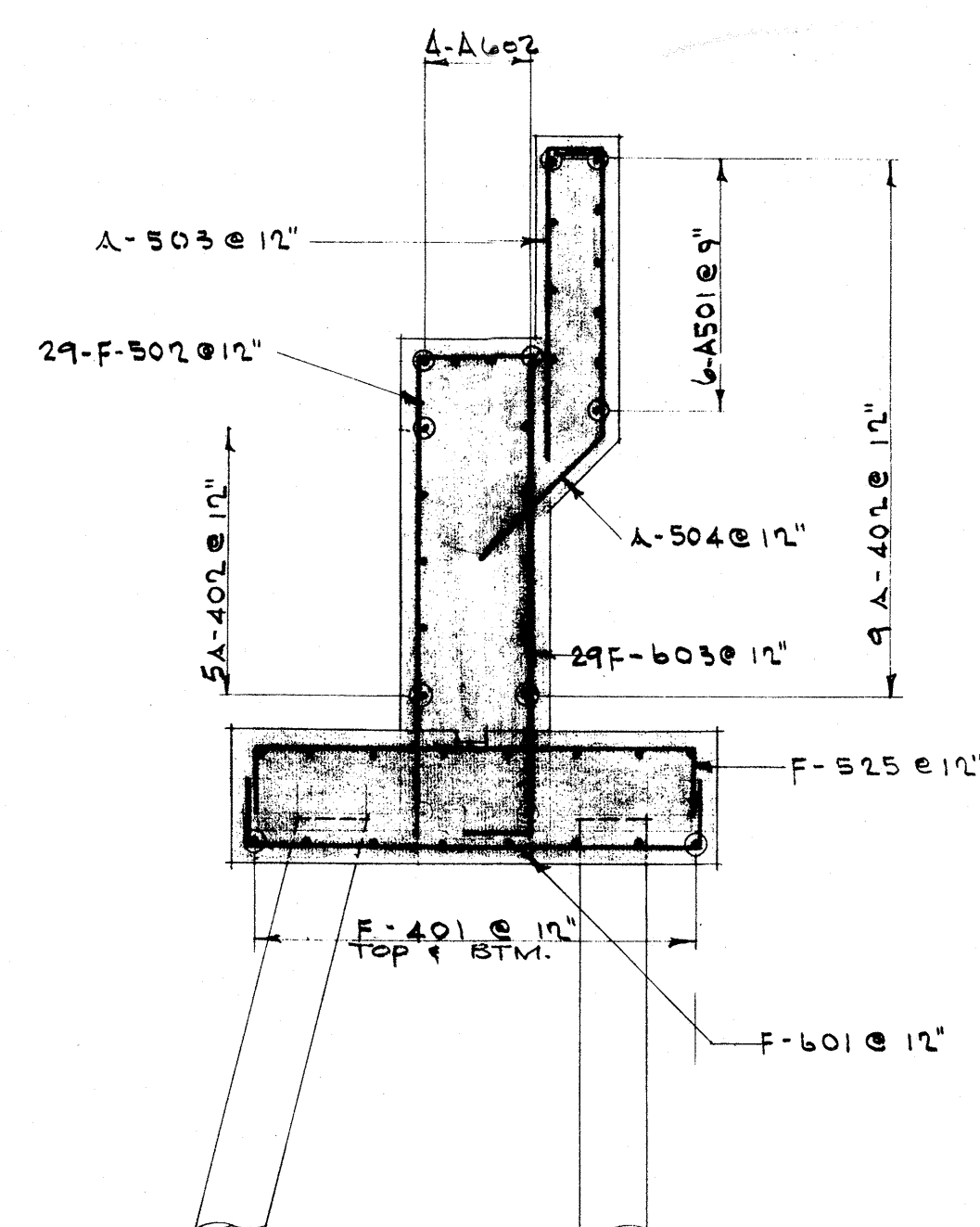
SECTION A-A
SCALE 3/8" = 1'-0"



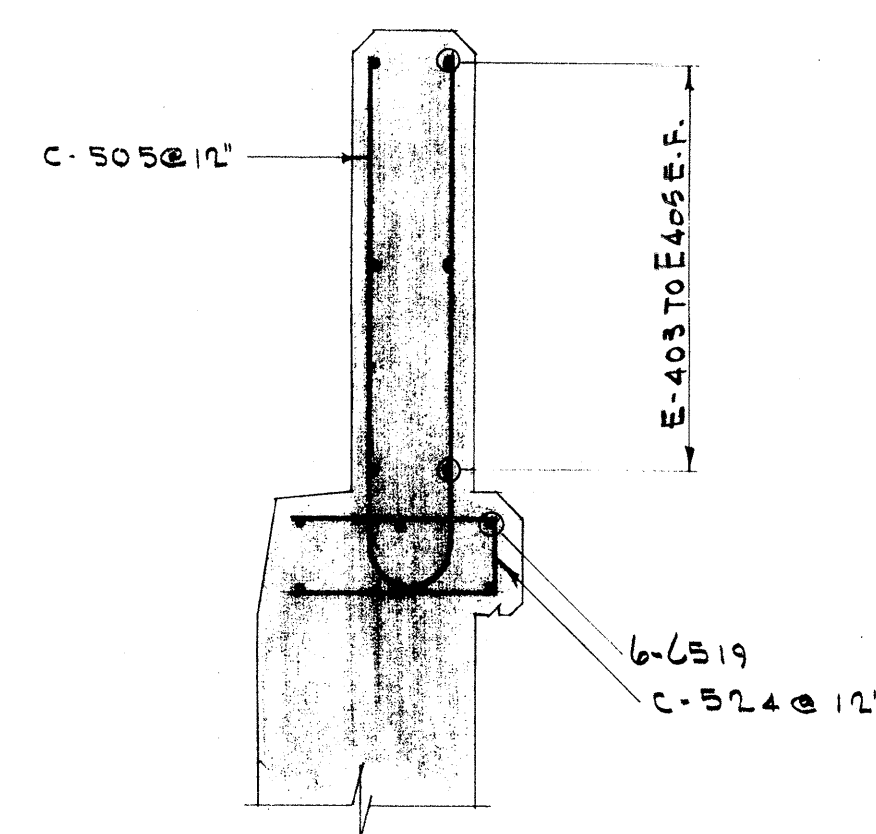
DECK REINFORCEMENT
SCALE 1" = 1'-0"



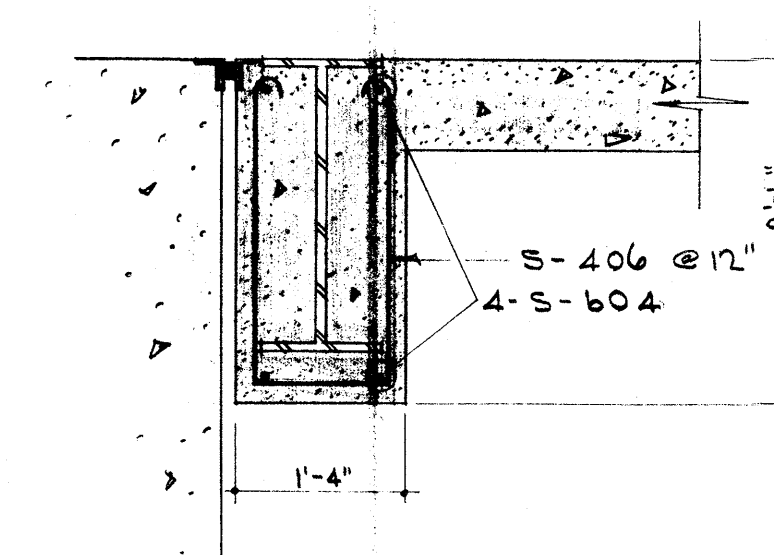
WING WALL REINFORCEMENT
SCALE N.T.S.



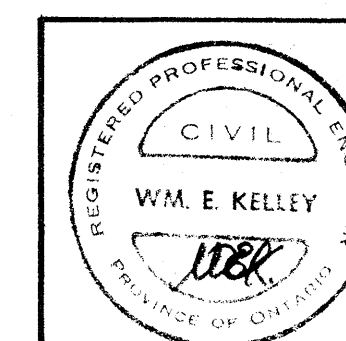
SECTION B-B
SCALE N.T.S.



END WALL REINFORCEMENT
SCALE 3/4" = 1'-0"

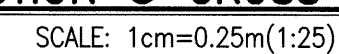
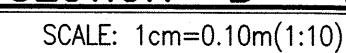
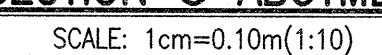
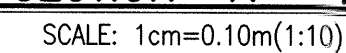
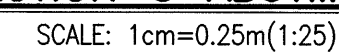
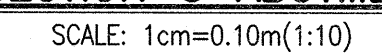
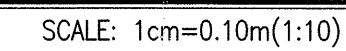


DIAPHRAGM REINFORCEMENT
SCALE 3/4" = 1'-0"


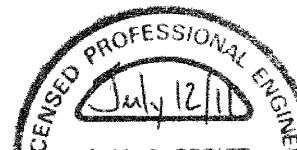


BRIDGE NO. 8			
TOWNSHIP OF METCALFE			
SCALE: AS SHOWN	APPROVED BY:	JOB NO.	DRAWN BY M.G.F.
DATE: NOV. 1968		68068	REVISED
REINFORCING DETAILS			
A. M. SPRIET & ASSOCIATES LTD.			DRAWING NUMBER
CONSULTING ENGINEERS			4 of 4

- GALVANIZED C130x13 C-CHANNELS TO BE WELDED ON TOP OF EXISTING 12WFx36 AND NEW W310x45 STRINGERS FOR GRATING SUPPORT.
- WELD C-CHANNELS TO STRINGERS WITH 6.3mm FILLET WELD 64mm LONG. WELD SPACES AT 250mm O.C. ALONG STRINGERS. STAGGER WELDS ALONG ADJACENT SIDES OF C-CHANNELS.
- ALL WELDS TO BE TOUCHED UP WITH ZINC RICH PAINT.
- GRATING SUPPORT TO BE CONTINUED ACROSS TOP OF EXISTING 27WFx-Rx73 CROSS-BEAMS WITH 127x240x7.5mm GALVANIZED STEEL PLATE WELDED TO TOP OF CROSS-BEAMS WITH TWO 8.3mm FILLET WELDS 64mm LONG ALONG EACH SIDE OF PLATE.



— ALL EXISTING STRINGERS AND CROSS BEAMS TO BE HAND TOOL CLEANED TO SSPC-PC AND FIELD PAINTED USING BRUSH & ROLLER WITH AMERLOCK 400 HIGH SOLIDS EPOXY COATING BY AMERON OR CARBOLINE 890 BY CORROSION SERVICES, STANDARD GREY PAINT, TO COMPLY WITH OPSS 1704. CONTRACTOR TO USE DROP SHEETS TIED ACROSS UNDERSIDE OF BRIDGE TO PREVENT ANY PAINT FROM DROPPING INTO CREEK BELOW.

No.	REVISIONS	DATE	BY	<div style="text-align: center;"> <h1>PIKE ROAD BRIDGE REHABILITATION</h1> <p>TOWNSHIP OF ADELAIDE METCALFE</p> </div>
		Drawn :	J.N.H.	<div style="text-align: center;"> <h2>SPRIET ASSOCIATES</h2> <p>LONDON LIMITED</p> <p>CONSULTING ENGINEERS</p> <p>155 YORK STREET — LONDON (519) 672-4100 — N6A 1A8</p> </div>
		Design :	J.R.S.	
		Approved :	J.R.S.	
		Date :	JULY 12, 2011	
		Field Book :	N/A	
		Job No.	205229	<div style="text-align: center;"> <h2>SECTIONS & DETAILS</h2> </div>
				<div style="text-align: right;"> Drawing No. 2 of 2 </div>