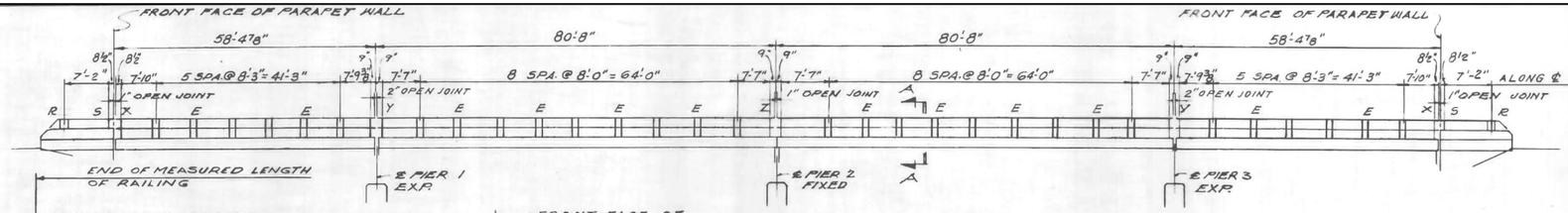
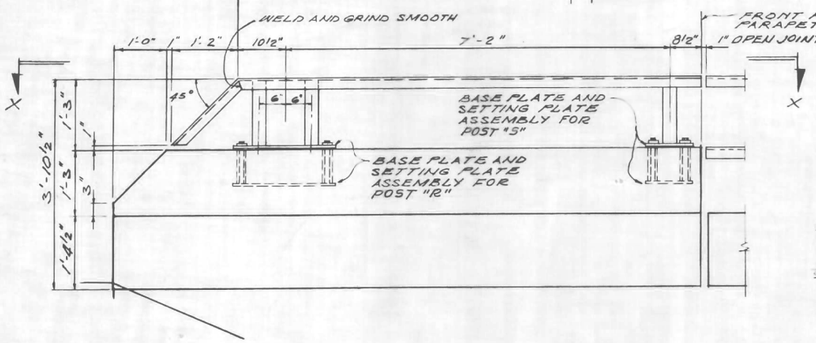
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	(32,47)-4	GRUNDY-KENDALL	262	191
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

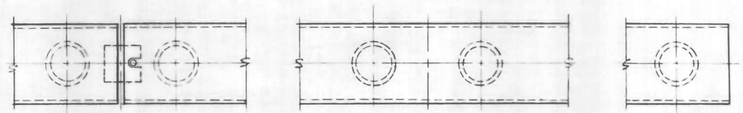
SHEET 7 OF 11



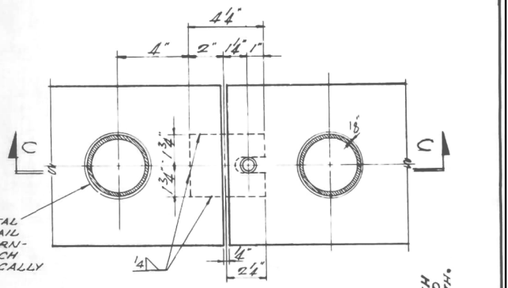


ELEVATION

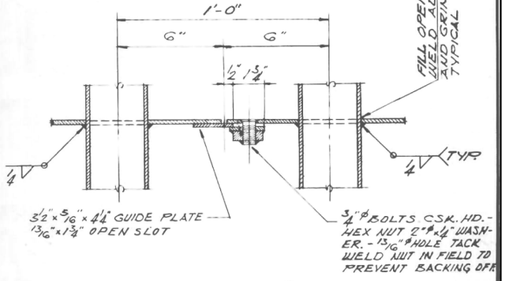
WINGWALL HANDRAIL ELEVATION



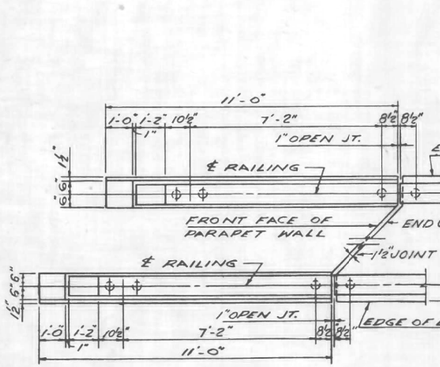
TOP VIEW OF RAIL

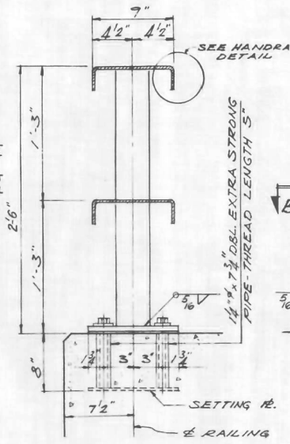


SECTION "B-B"

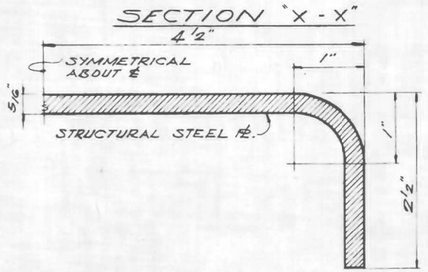


SECTION "C-C"

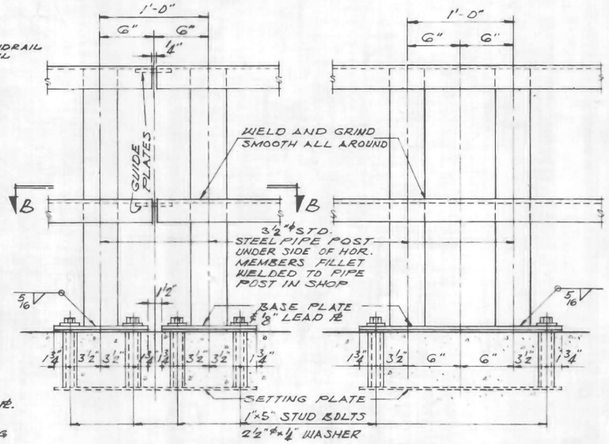




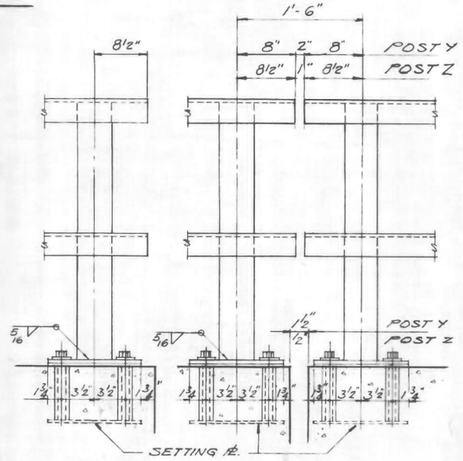
SECTION "A-A"



HANDRAIL DETAIL



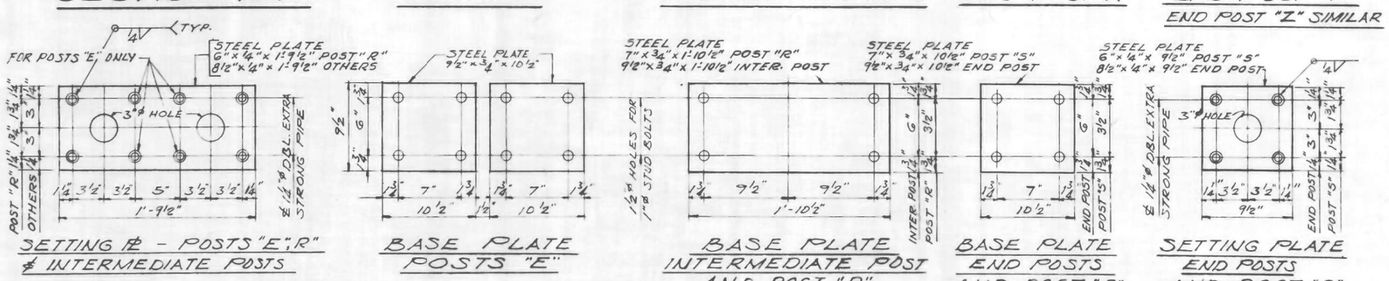
POSTS "E"



INTERMEDIATE POSTS

END POST "X"

END POST "Y"
END POST "Z" SIMILAR



NOTES

RAIL SHALL BE FABRICATED AND ERECTED TO CONFORM TO PROFILE OF ROADWAY.

RAIL POSTS SHALL BE TRULY VERTICAL.

WELDING OF RAIL POST TO HORIZONTAL MEMBERS AND BASE PLATES SHALL BE CONTINUOUS WELDS ALL AROUND.

RAIL POSTS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WELDED AND SEAMLESS STEEL PIPE A.S.T.M. A53 WITH MINIMUM YIELD POINT OF 30,000 P.S.I.

HANDRAIL SHALL BE GIVEN ONE SHOP COAT OF RED LEAD AND 2 FIELD COATS OF ALUMINUM PAINT. SEE SPECIFICATIONS.

SHIM PLATES FOR RAIL POSTS: FURNISH SHIMS CONSISTING OF ONE 1/8" SHIM AND TWO 1/16" SHIMS AT 50% OF RAIL POSTS ON SUPERSTRUCTURE AND ALL POSTS ON WINGWALLS FOR VERTICAL ADJUSTMENT OF POSTS.

SIZE OF SHIM PLATES, LEAD PLATES AND SPACING OF HOLES SHALL BE SAME AS FOR BASE PLATES OF POSTS.

ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS
10 SOUTH WABASH AVENUE 602 CHICAGO, ILLINOIS

HANDRAIL DETAILS
GRADE SEPARATION
CROSS ROAD
OVER F.A.I. ROUTE 80
F.A. PROJECT
F.A.I. ROUTE 80 SECTION (32,47)-4
GRUNDY-KENDALL COUNTY
STATION 1574+07.48

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 032-0046

SCALE: | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47-4)HBR-2	GRUNDY	143	99
		CONTRACT NO. 66873		
	ILLINOIS	FED. AID PROJECT		