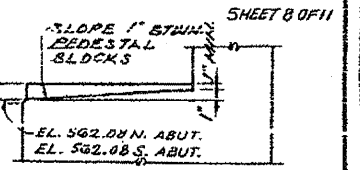
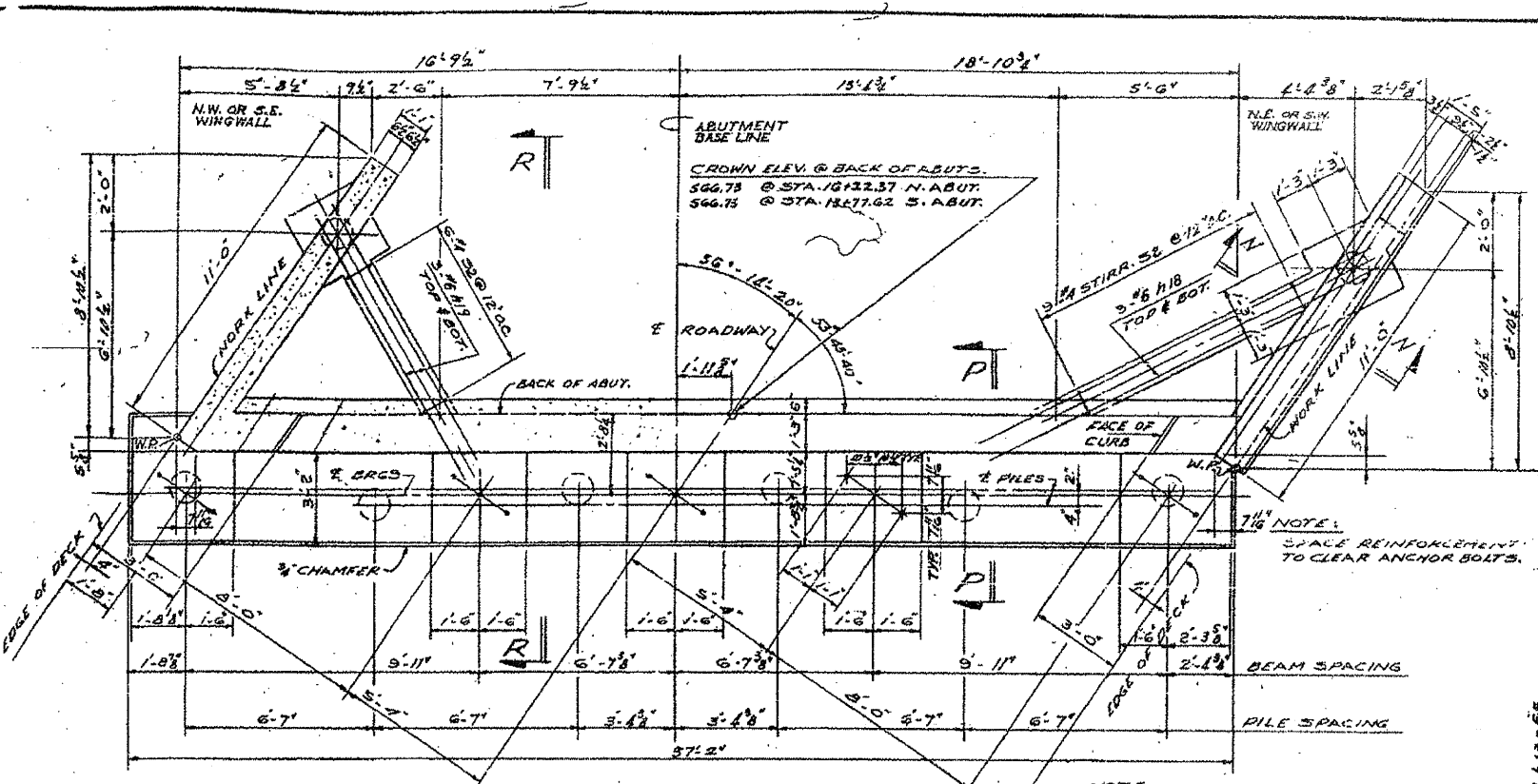


PROJECT NO.	32-47-4	COUNTY	KENDALL	TOTAL SHEETS	262	SHEET NO.	149
F.A.I. ROUTE	80	SECTION	(32,47)-4	GRUNDEY	KENDALL COUNTY		
STA.	TOTAL						
F.I.D. ROAD DIST. NO. 7		ALPHABETIC PROJECT					

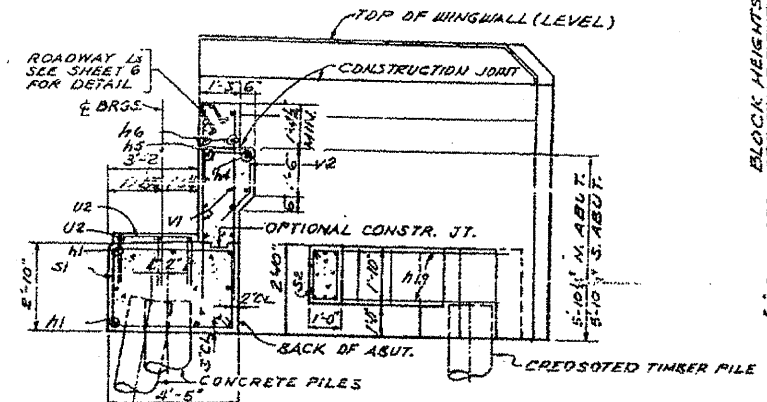
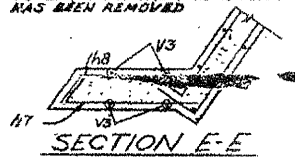
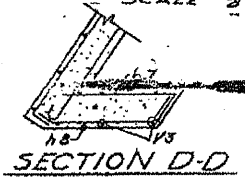


SECTION "P-P"
SCALE 3/8" = 1'-0"

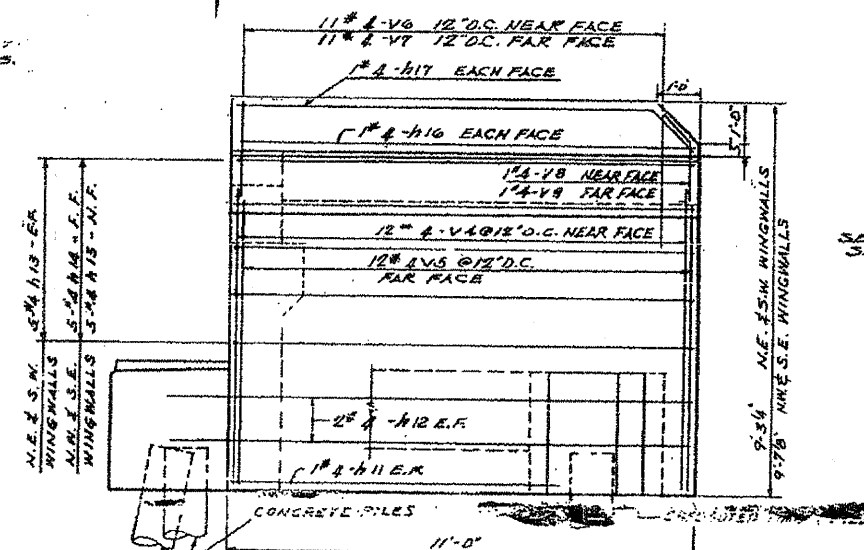


HALF SECTION "A"
SCALE 3/8" = 1'-0"

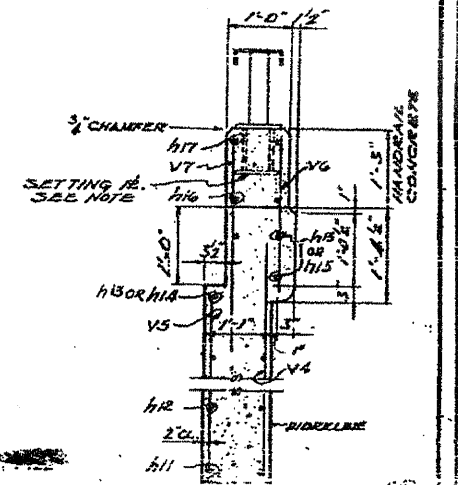
HALF PLAN
SCALE 3/8" = 1'-0"



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

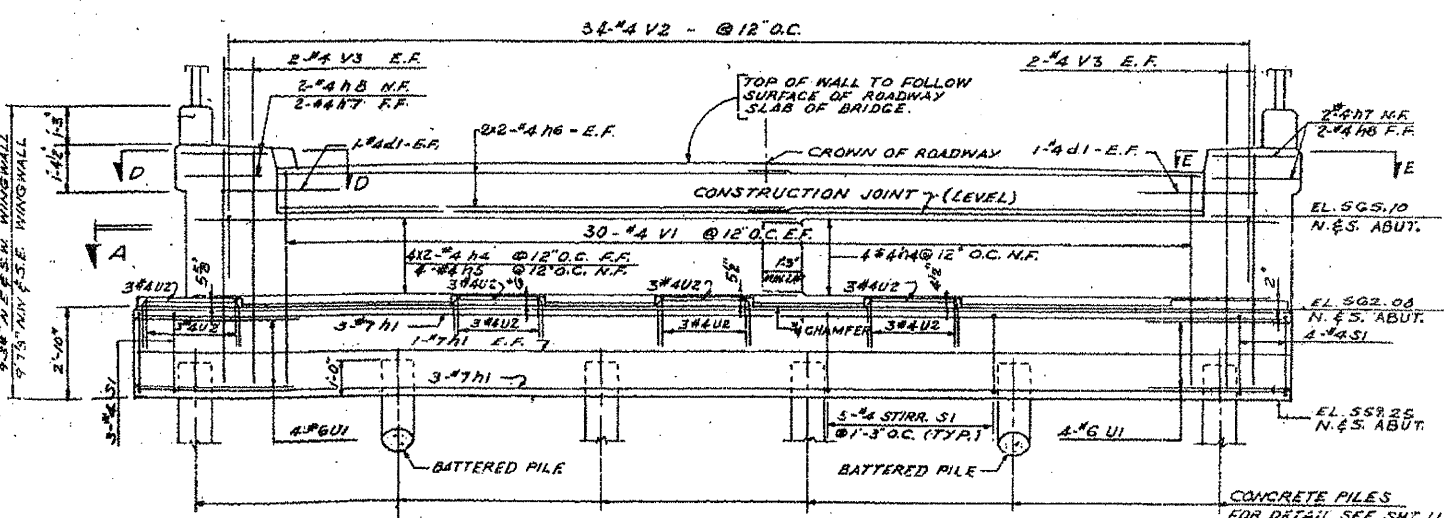


WING WALL ELEVATION
SCALE 1/2" = 1'-0"



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

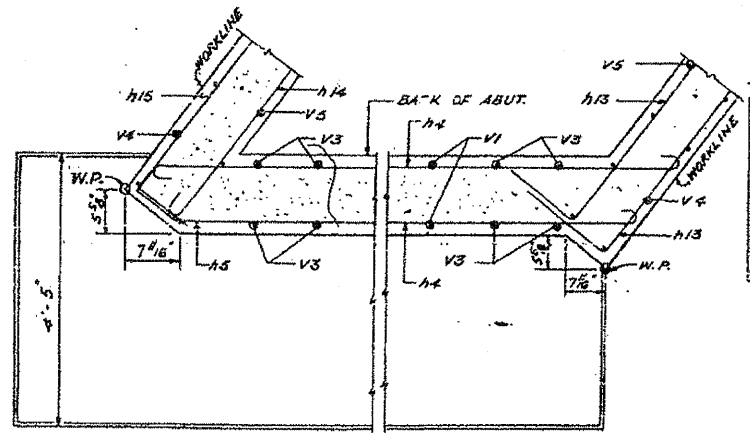
NOTE: SETTING PLATE TO BE CAST IN PLACE WITH HANDRAIL CONCRETE



FRONT ELEVATION
SCALE 3/8" = 1'-0"

PILE SCHEDULE FOR EACH ABUTMENT

PILES	CONCRETE	CREOSOTED
CAPACITY	35 TONS	10 TONS
NO. REQUIRED	6 (INC. 1 TEST PILE)	2
EST. LENGTH	22'	21'



TYPICAL CORNER DETAIL
SCALE 3/8" = 1'-0"

BILL OF MATERIALS - N'S ABUTMENT & WINGWALLS

ITEM	UNIT	QUANTITY
CLASS X CONCRETE	CU. YDS.	35.7
REINFORCEMENT BARS	LBS.	2,740
HANDRAIL CONCRETE	CU. YDS.	1.0
CLASS A EXCAVATION FOR STRUCTURES	CU. YDS.	2.3
CONCRETE PILES	LINEAL FT.	110
TEST PILES (CONCRETE)	EACH	1
CREOSOTED TIMBER PILES	LINEAL FT.	42

NORTH & SOUTH ABUTMENT & WINGWALL DETAILS

GRADE SEPARATION
CROSS ROAD
OVER F.A.I. ROUTE 80
F.A. PROJECT
F.A.I. ROUTE 80 SECTION (32,47)-4
GRUNDEY - KENDALL COUNTY
STATION 1397+24.83