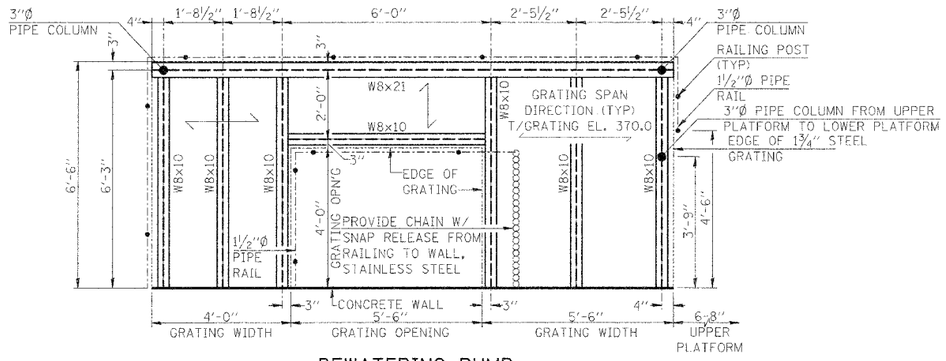
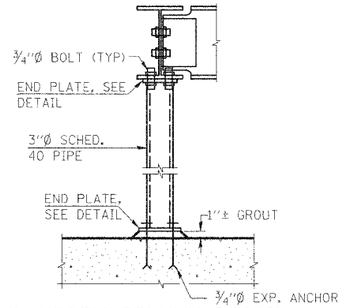
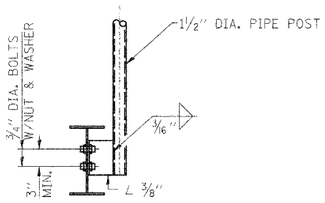
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-(1,2)T-17	ST. CLAIR	77	33
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



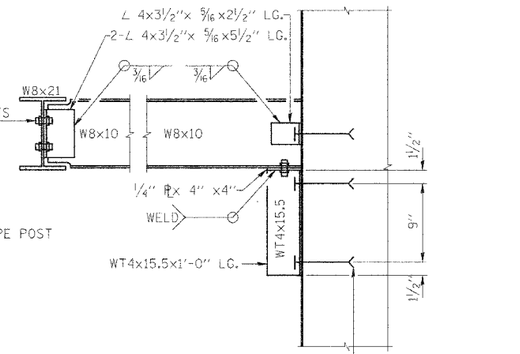
DEWATERING PUMP
LOWER PLATFORM FRAMING PLAN
(FOR LOCATION SEE DWG. S3 & S4)(SCALE ½"=1'-0")



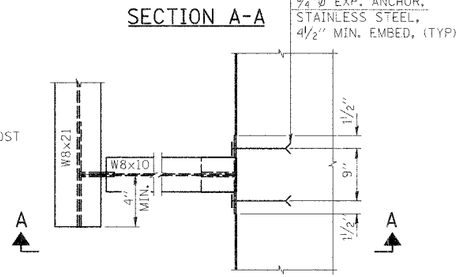
PLATFORM COLUMN DETAIL
(SCALE 1½"=1')



PLATFORM RAILING POST
(SCALE 1½"=1')

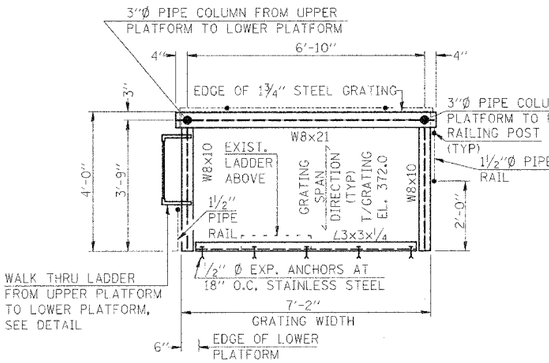


SECTION A-A

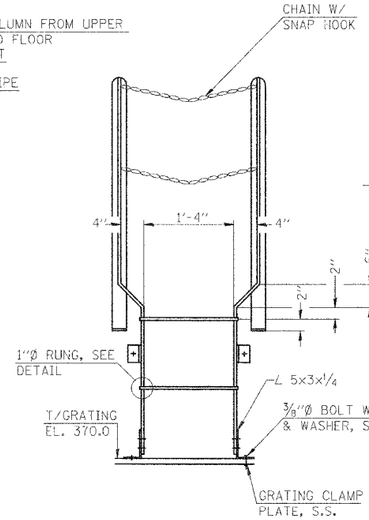


PLAN

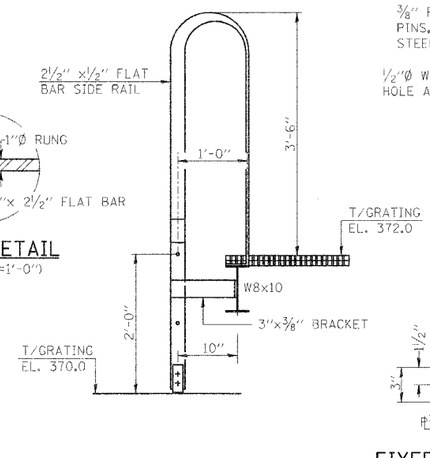
PLATFORM BEAM CONNECTIONS
(SCALE 1½"=1'-0")



DEWATERING PUMP
UPPER PLATFORM FRAMING PLAN
(FOR LOCATION SEE DWG. S3 & S4)(SCALE ½"=1'-0")

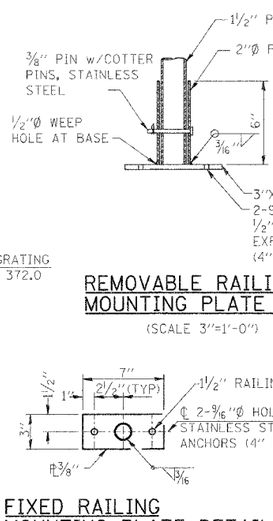


WALK THRU LADDER DETAIL
(SCALE ½"=1'-0")



RUNG DETAIL
(SCALE 2"=1'-0")

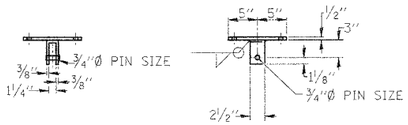
RAILING CONNECTION TO WALL
(SCALE 1½"=1'-0")

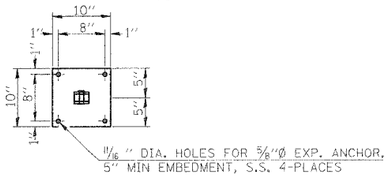


REMOVABLE RAILING MOUNTING PLATE DETAIL
(SCALE 3"=1'-0")

RAILING DETAIL
(SCALE ¾"=1')

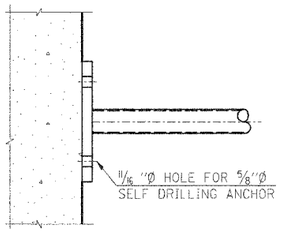
HANDRAIL CORNER
(SCALE 1½"=1')



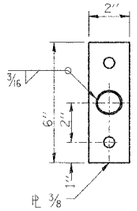


½TON CLEVIS PLATE DETAIL
(SCALE 1"=1')(See DWG. S4 for location)

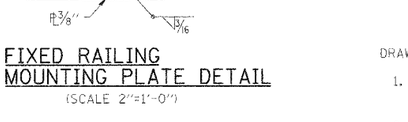
NOTE:
1. CLEVIS PLATE SHALL BE ALL STAINLESS STEEL TYPE ASTM 304L



RAILING CONNECTION TO WALL
(SCALE 1½"=1'-0")



FIXED RAILING MOUNTING PLATE DETAIL
(SCALE 2"=1'-0")



BILL OF MATERIAL

ITEM	UNIT	TOTAL
FURNISHING & ERECTING STRUCTUAL STEEL	LB	1,400
GRATING *	SF	105

* GRATING SHALL BE INCLUDED FOR PAYMENT UNDER THE ITEM, PUMP STATION GENERAL WORK.

DRAWING NOTES:

1. ALL STEEL RAILINGS, PLATES, SHAPES, & MEMBERS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION, UNLESS OTHERWISE NOTED.
2. ALL BEAM TO BEAM CONNECTION BOLTS, NUTS & WASHERS SHALL BE HOT DIP GALVANIZED.
3. EXPANSION ANCHORS, NUTS & WASHERS SHALL BE STAINLESS STEEL.
4. GRATING SHALL BE 1¾" HOT DIP GALVANIZED STEEL.
5. GRATING FASTENERS SHALL CLAMP TO THE STRUCTURAL STEEL WITHOUT DRILLING AND SHALL BE ALL STAINLESS STEEL GFI GRATING FASTENERS OR EQUAL AT 18" MAX. SPACING ALONG GRATING PERIMITERS.

YA-TAI LIN
81-2085
REGISTERED STRUCTURAL ENGINEER OF
CHICAGO, ILLINOIS
9/7/05

ALVORD, BURDICK & HOWSON, L.L.C.
ENGINEERS CHICAGO

S16

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BOWMAN AVENUE PUMP STATION REHABILITATION

MISCELLANEOUS DETAILS

SCALE: AS SHOWN
DATE: 09-12-05
DRAWN BY: JMD
CHECKED BY: KC

PLOT DATE: *DATE-TIME*

PLAN | NOTE BOOK NO. | BY | DATE
ISSUED | REVISED | ADDENDUM | ADDED | CAD FILE NAME

$$DATE$$
DATE-TIME
DWGSHEET
REF
REF