FENCING NOTES

ALL WORK SHALL CONFORM TO MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, 1979 EDITION

ALL FENCE FABRIC SHALL BE GALVANIZED, #9 GAGE WITH A 2" MESH AND WITH KNUCKLING AT THE BOTTOM SELVAGE.

THE POSTS SHALL BE 2¼" X 2" GALVANIZED H-POSTS WEIGHING 4.1 P.L.F. ROUND POSTS HAVING A 2⅜" O.D. WEIGHING 3.79 P.L.F, GALVANIZED, MAY BE USED WITH SIMILAR CONNECTION DETAILS.

THE NOMINAL 1¼" Φ BRACES SHALL BE 1⅝" O.D. STEEL PIPE OR TUBING WEIGHING 2.27 PLF GALVANIZED.

ALL POSTS AND TUBING SHALL BE FURNISHED WITH THE MANUFACTURERS STANDARD CONNECTIONS AND ITS MINIMUM WEIGHT SHALL BE WITHIN 5% OF THAT SPECIFIED.

POSTS AND TUBING SHALL BE BENT IN THE SHOP AS SHOWN ON THE PLANS.

ALL COMPONENTS ARE TO BE GALVANIZED. BOLTS, NUTS AND WASHERS ARE TO BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.

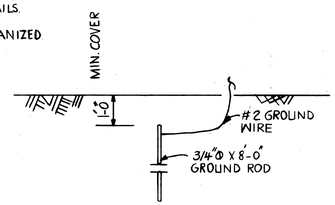
TENSION BARS SHALL BE ¾" X ¼" GALVANIZED STEEL.

CONTRACTOR SHALL VERIFY FIELD CONDITIONS BEFORE FABRICATION.

CARE IS TO BE TAKEN IN PLACING EXPANSION BOLTS AND BRACKETS SO AS TO INSURE THAT THE BRACKETS HOLD THE POSTS FIRMLY AGAINST CONCRETE. SHIM IF NECESSARY.

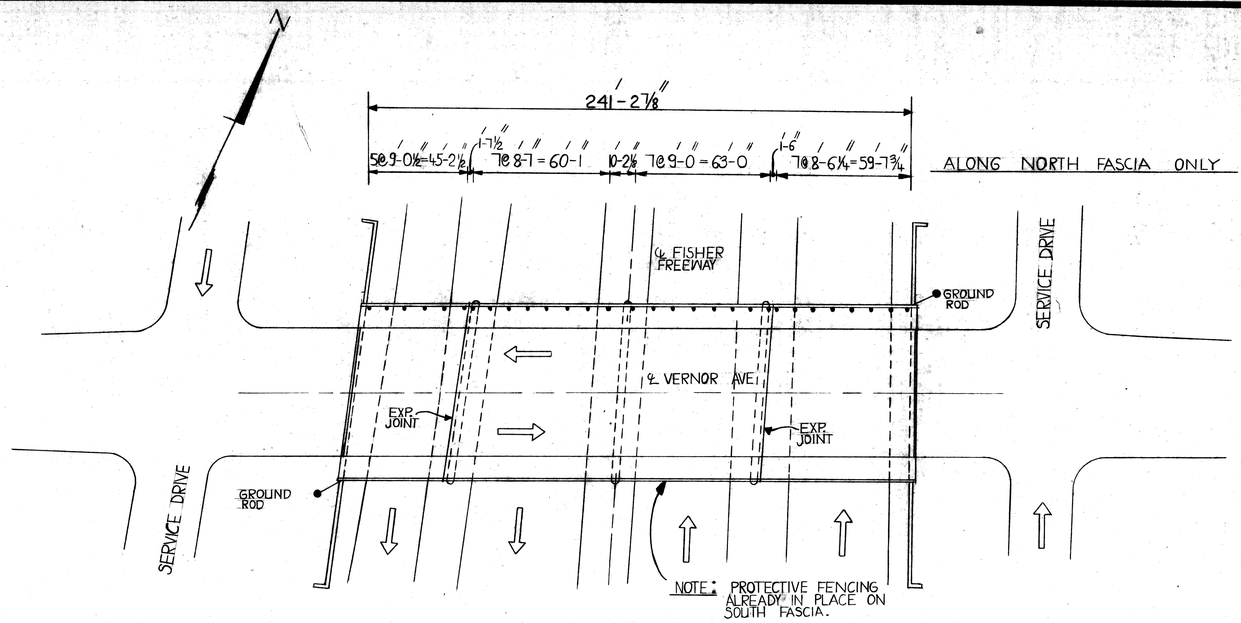
PEDESTRIAN FENCING_STRUCTURES SHALL INCLUDE THE FABRIC, POSTS, BRACES, EXPANSION BOLTS, BRACKETS AND ALL SUITABLE CONNECTIONS AND FITTINGS.

½" Φ EXPANSION BOLTS SHALL BE PHILLIPS RED HEAD GALVANIZED WEDGE ANCHORS WS 1242 G OR APPROVED EQUAL.

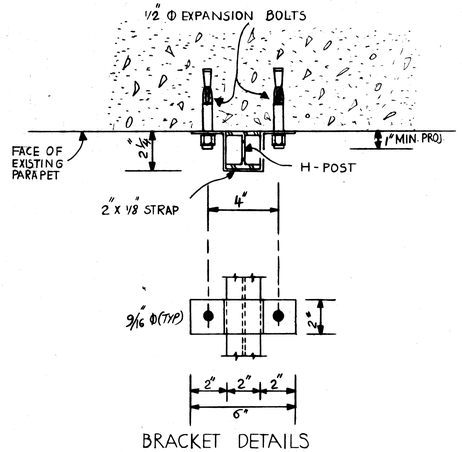


1 ALL UNDERGROUND CONNECTIONS SHALL BE CALDWELD THERMITE WELD, GAS OR ARC WELD.
2 EXPOSED CONNECTIONS MAY BE SPLIT BOLT OR CLAMP TYPE.
3 GROUND WIRE SHALL BE #2 AWG STRANDED SOFT DRAWN COPPER WIRE.

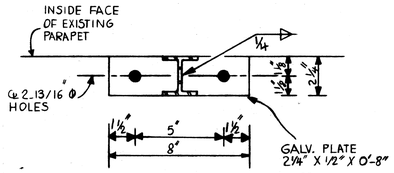
GROUNDING DETAIL

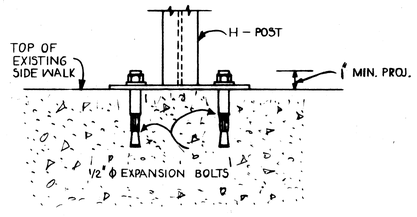


PLAN

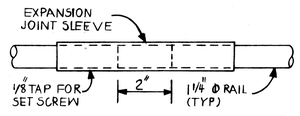


BRACKET DETAILS

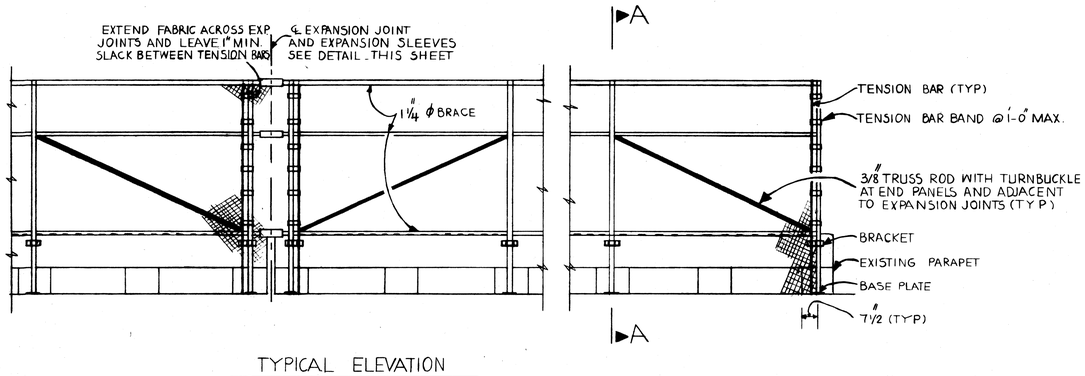




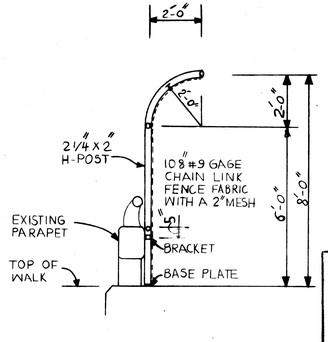
BASE PLATE DETAILS



EXPANSION SLEEVE DETAIL



TYPICAL ELEVATION



SECTION A-A
ALONG NORTH FASCIA ONLY

QUANTITIES		
ITEM	UNIT	AMOUNT
PEDESTRIAN FENCING, STRUCTURES – S17	S.F.	2171
ELECTRICAL GROUNDING SYSTEM – S17	LS.	1

PLANS PREPARED BY
CITY OF DETROIT
CITY ENGINEERS OFFICE

APPROVED _____ STRUCTURAL ENGINEER

JOB No.

MICHIGAN DEPARTMENT OF TRANSPORTATION

VERNOR AVE. OVER I-75

PROTECTIVE SCREENING DETAILS

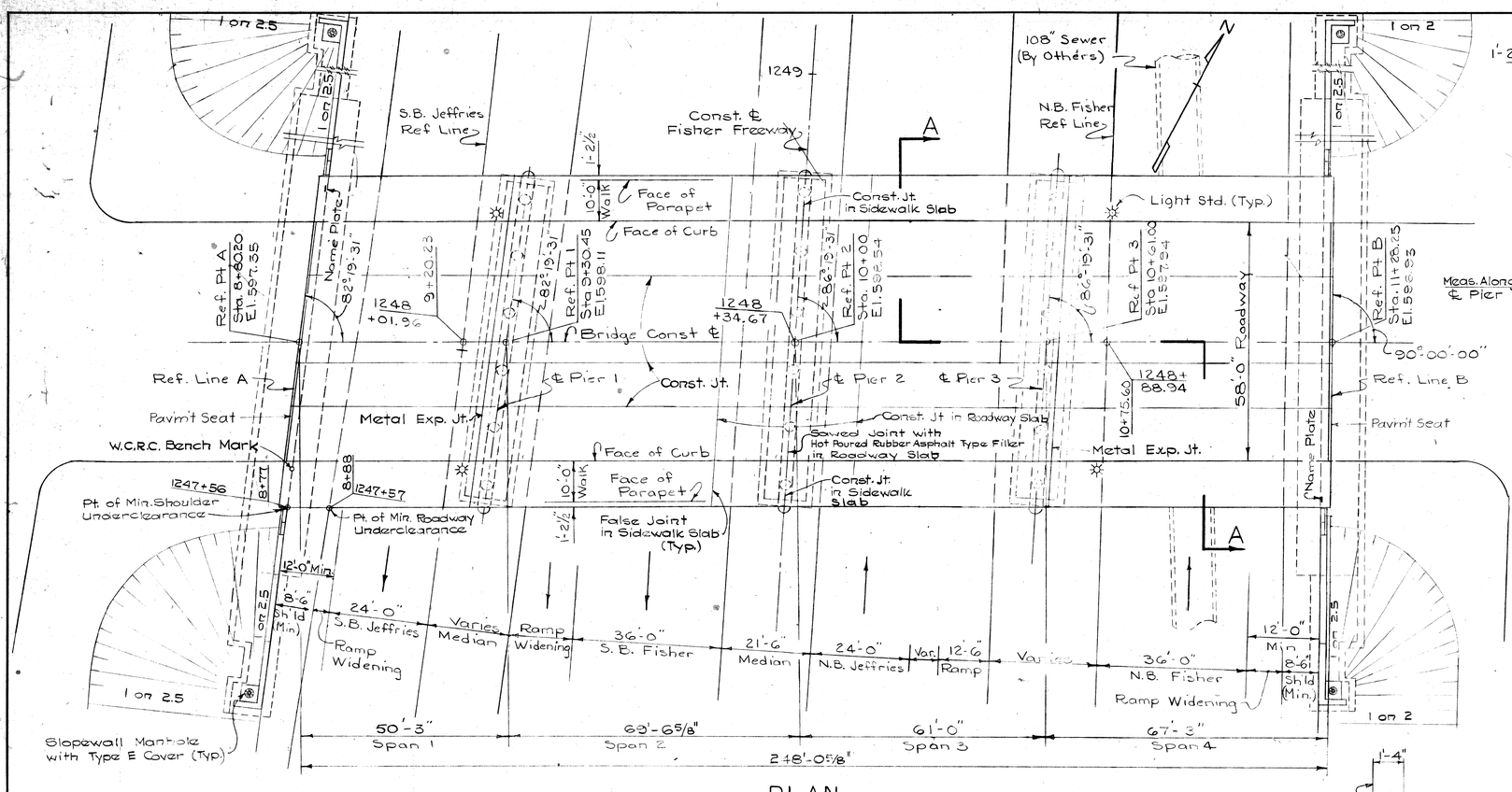
REVISIONS

NO.	DESCRIPTION	DATE	BY

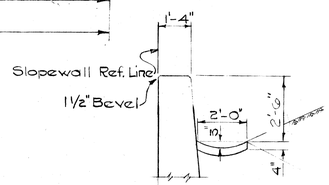
SQUAD BOSS	KARBER	3-83
DRAWN BY	N.H.	3-83
TRACED BY		
CHECKED BY	RMK	3-83
SHEET 16 OF 17		

S17 OF 82194

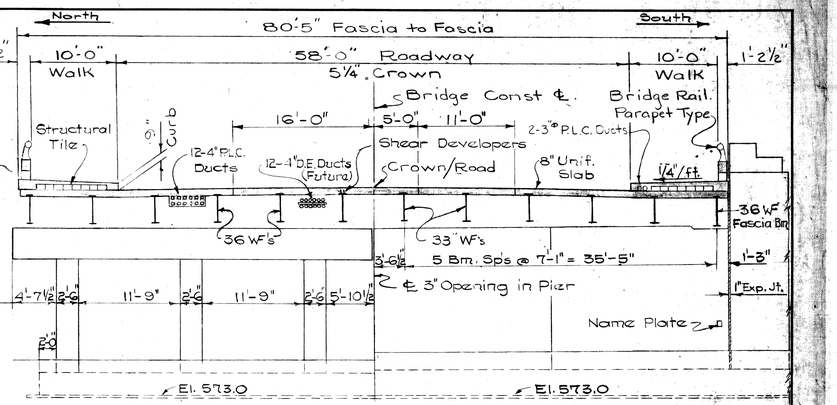
FHWA 717.20



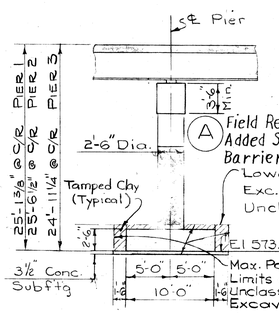
PLAN
Scale 1/16"=1'-0"



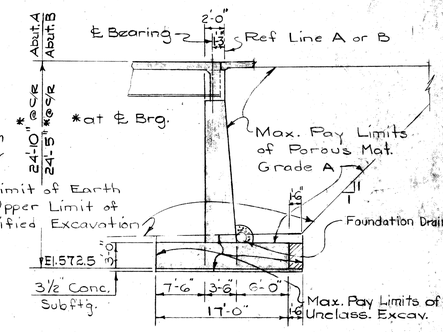
DETAIL A
Scale: 5/8" = 1'-0"



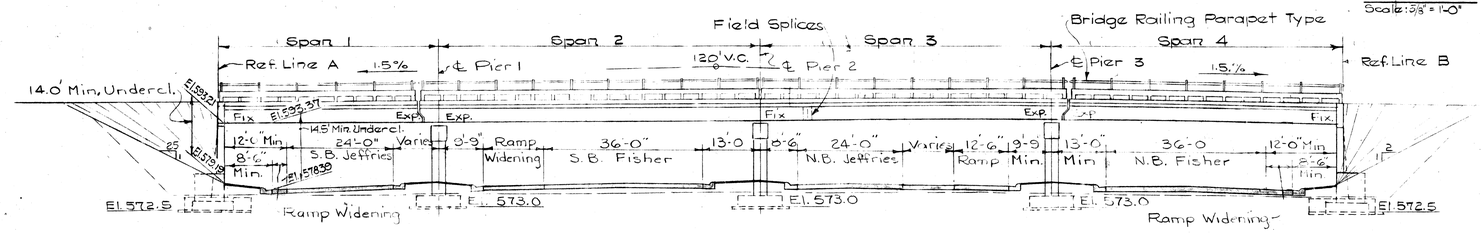
SECTION A-A
Scale 1/8"=1'-0"



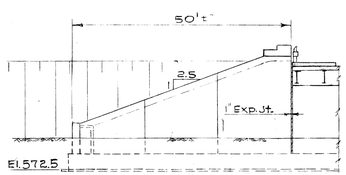
TYPICAL PIER
Scale 1/8" = 1'-0"



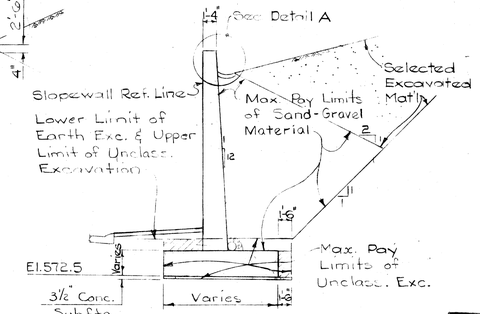
TYPICAL ABUTMENT
Scale 1/8" = 1'-0"



ELEVATION
Scale 1/16"=1'-0"



TYP. SLOPEWALL ELEVATION
Scale 1/16" = 1'-0"



TYPICAL SLOPEWALL
Scale: 1/8" = 1'-0"

GENERAL NOTES

The design of this structure is based on the M.S.H.D. *Spec. for the Design of Highway Bridges, 1958 Edition & current AASHO Std. Spec. for Highway Bridges (H520-44)*

The deflection from Live Load (including impact) shall not exceed 1/1000 of the distance between supports. The deflection at the ends of stub cantilevers shall not exceed 1/350 of the cantilever length.

Top of roadway slab and top of curbs are parallel to the vertical curve and tangents.

COPY
EXISTING BRIDGE DETAILS
(NOT FOR CONSTRUCTION)

Note: Span 1 Simple Span, 30 WF's, Composite Construction
Spans 2,3 Continuous Spans, 36 WF's, Composite Construction
Span 4 Simple Span, 33 WF's, Composite Construction

All Roadway dimensions are normal to Ref. Lines of respective Roadway.

(A) Field Revision Added Safety Barrier

REVISIONS		

SQUAD LEADER Conners	DATE
DRAWN BY J. Conners	6-13-64
CHECKED BY L.R. Marttila	8-21-64
CORRECT M. Trgovcich ENGINEER OF DESIGN STRUCTURES AND EXPRESSWAYS	

PLANS PREPARED BY THE BOARD OF
WAYNE COUNTY ROAD COMMISSIONERS
PHILIP J. NEUDECK WILLIAM E. KREGER AL BARBOUR
APPROVED ENGINEER OF STRUCTURES AND EXPRESSWAYS
APPROVED COUNTY HIGHWAY ENGINEER

MICHIGAN STATE HIGHWAY DEPARTMENT
APPROVED DIVISION SUPERVISING ENGINEER APPROVED SHEET 17 OF 17
EMPLOYEE OF DESIGN CONSULTANTS

I 75 FISHER FREEWAY
UNDER VERNOR AVE.
GENERAL PLAN OF STRUCTURE

ISSUE NO.	DATE
1	8-26-64
COUNTY JOB	SHEET NO.
.1328	8
STATE PROJECT	
S17 of 82194K	

B. K. ELLIOTT CO. 408 250 7-63