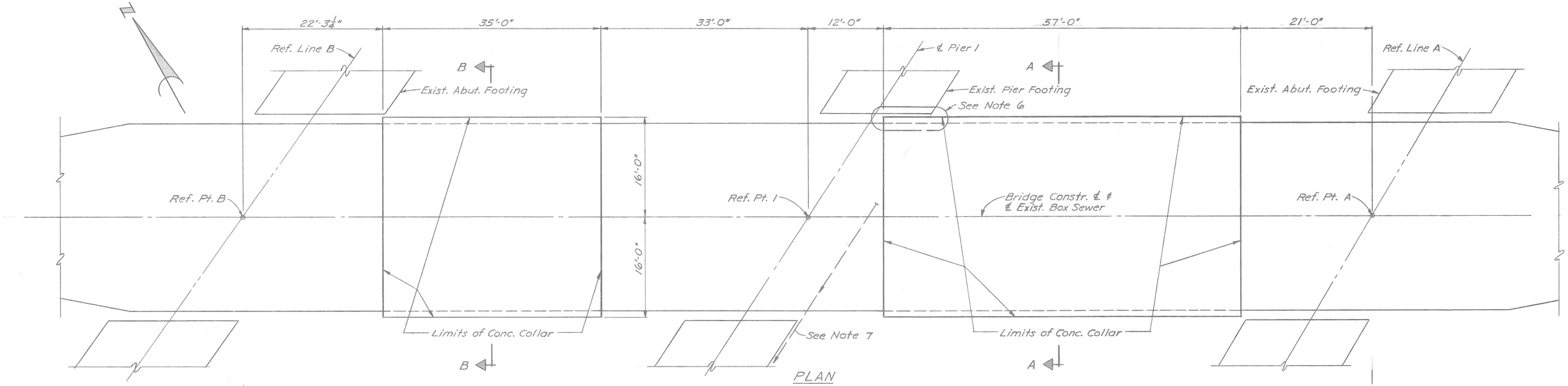
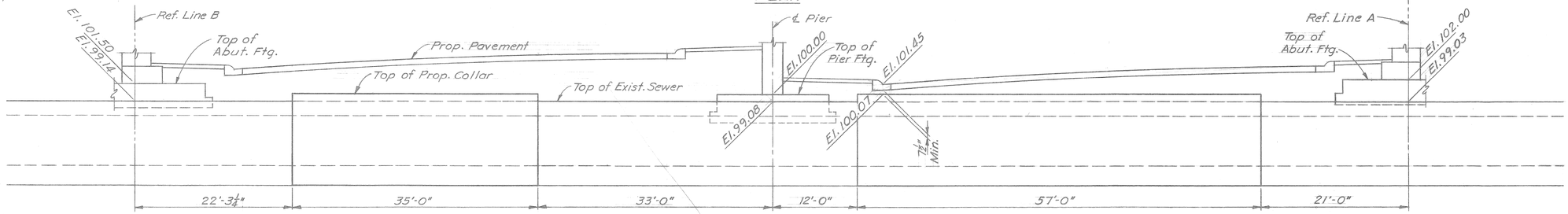
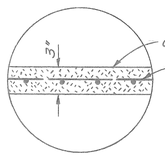


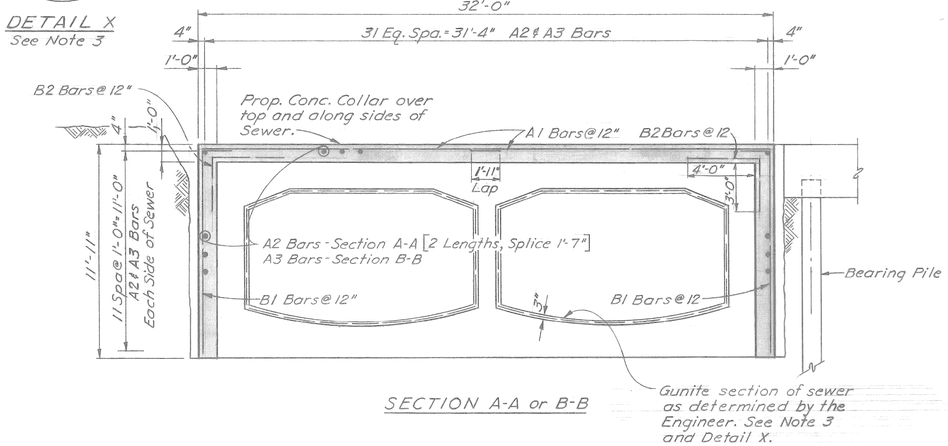
PLAN



ELEVATION



DETAIL X
See Note 3



SECTION A-A or B-B

NOTES:

1. The work shown is for the repair of the portions of the sewer exhibiting cracks as inspected on August 5, 1966. If at the time of performing this work, there are cracks beyond the limits of cracking indicated in the above inspection, the repair work shall be extended 5' beyond these cracks as directed by the Engineer.

2. All work and materials shall be in accordance with the M.D.S.H. Standard Specifications for Road and Bridge Construction - 1965 Edition.

3. After all piles are driven, the sewer shall be dewatered and the invert examined for cracks. If, in the opinion of the Engineer, further repair is indicated, the work shall be performed as shown in Detail X.

4. The work in the vicinity of the footing shall be performed in such a manner so as not to undermine the footing.

5. The top and sides of the sewer shall be sand blasted in the areas of the collar before placing the collar.

6. The thickness of the collar immediately under the pier and/or abutment grade beam may be reduced to the thickness of the available opening but not less than 8".

7. Edge drains as shown on the Road Plans, which conflict with the location of collar, shall be revised as indicated or as directed by the Engineer.

8. All reinforcement steel shall be accurately placed and securely held in place.

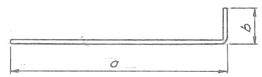
9. Excavation and backfill are incidental to concrete.

QUANTITIES

Grade A6A Concrete - Substructure 183.5 Cu. Yds.

REINFORCEMENT DETAILS

Bar	a	b	Length	Size	Amt.	Weight
A1			16'-9"	#6	184	4629
A2			29'-6"	#5	108	3323
A3			34'-6"	#5	54	1943
B1	11'-6½"	2'-0"	13'-6"	#5	184	2591
B2	4'-3½"	3'-3½"	7'-6	#5	184	1439
				Total		13,925#



B BAR

Work this sheet with plans of proposed Project I-75-(87)53, Control Section BI82195D.

PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED R. Fisher
SANITARY ENGINEER

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

FISHER FREEWAY I-75
SEWER ALTERATIONS AT GRAND RIVER AVE.
DOUBLE BOX SEWER REPAIR DETAILS

REVISIONS

NO.	DESCRIPTION	DATE	BY

SQUAD BOSS		
DRAWN BY		
TRACED BY	R. Harris	10-28-66
CHECKED BY	FDN	11-7-66
SHEET	1 OF 1	

82195D C13