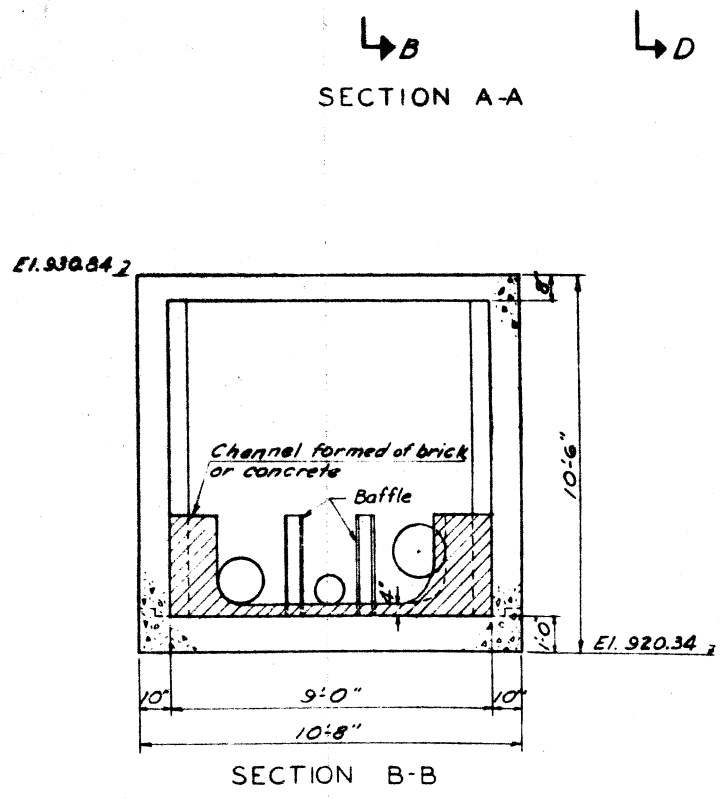
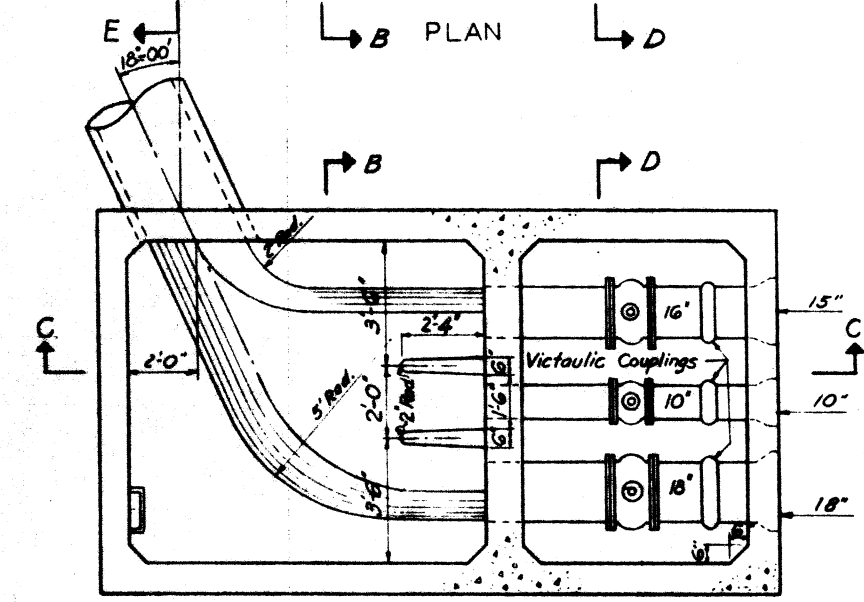
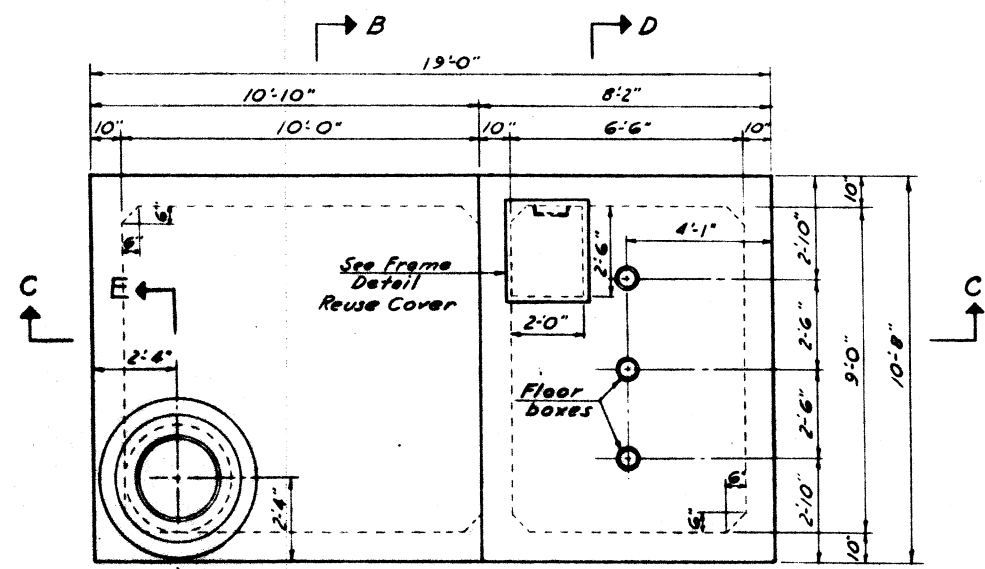
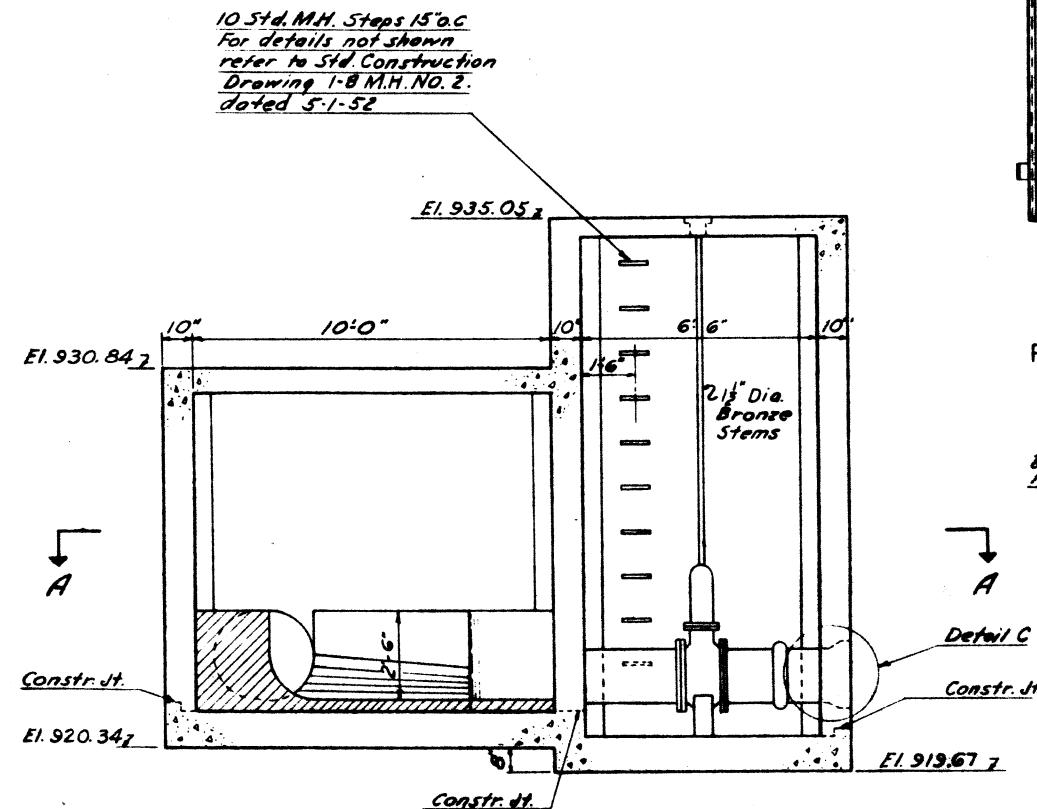
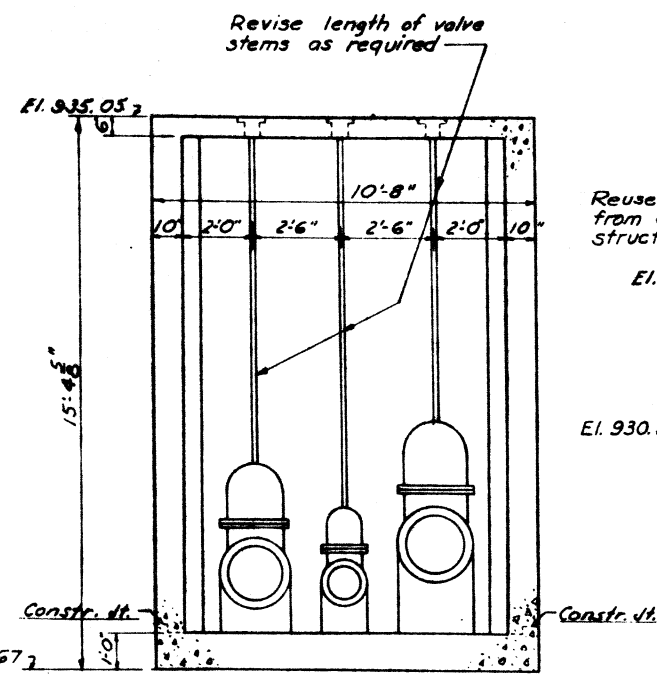




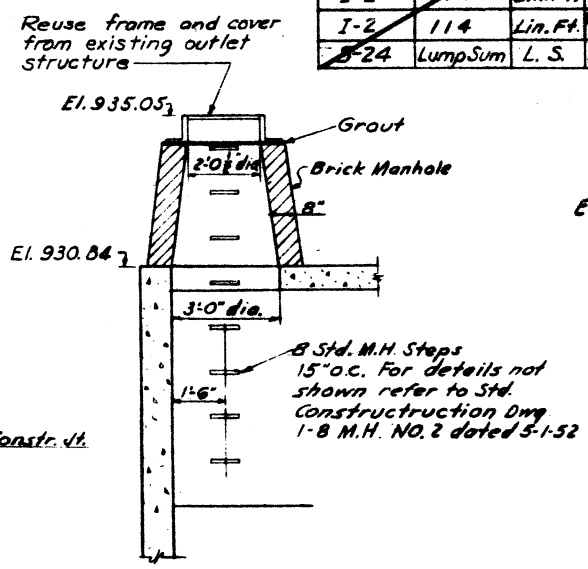
SECTION B-B



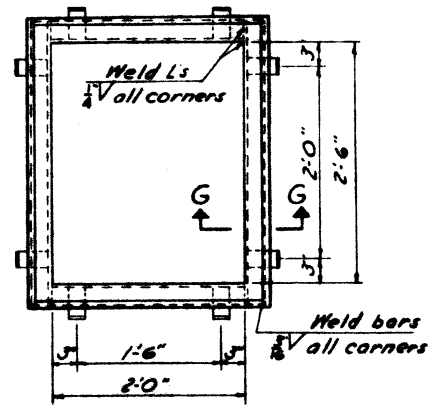
SECTION C-C



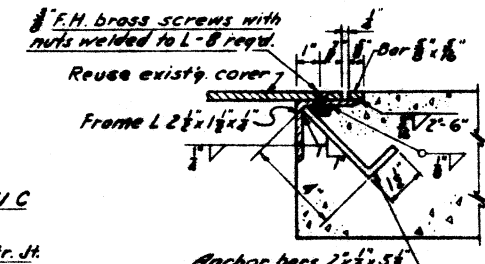
SECTION D-D



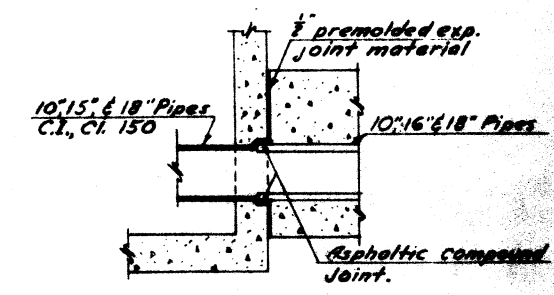
SECTION E-E



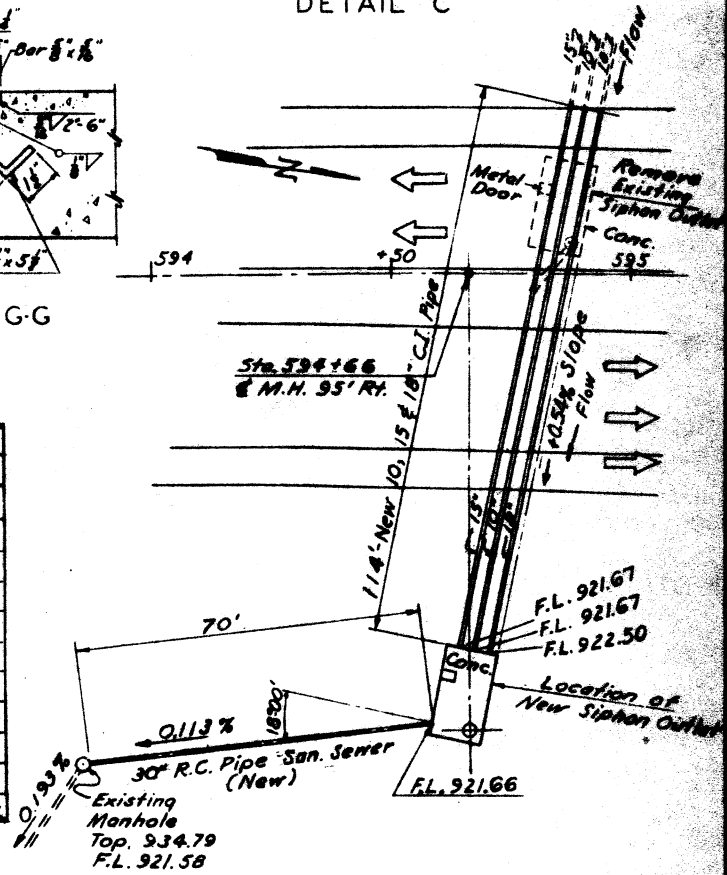
FRAME DETAIL
Scale 1"=1'-0"



SECTION G-G



DETAIL C



LOCATION PLAN

LIST OF MAJOR QUANTITIES

ITEM	TOTAL	UNIT	DESCRIPTION
E-2	147	Cu. Yds.	Unclassified excavation
E-2	1400	Sq. Ft.	Cofferdams, cribs and sheeting
S-1	39	Cu. Yds.	Concrete for structures, Class "C"
S-4	6109	Lbs.	Reinforcing steel
Special	Lump Sum		Remove, recondition, & install existing valves and couplings
I-8	One	Each	Brick manhole as per plan
I-2	70	Lin. Ft.	30" Conc. san. sewer pipe, S.M. 664
I-2	114	Lin. Ft.	10" C.I. pipe - Mech. Joint, Class 150
I-2	114	Lin. Ft.	15" C.I. pipe - Mech. Joint, Class 150
I-2	114	Lin. Ft.	18" C.I. pipe - Mech. Joint, Class 150
S-24	Lump Sum	L. S.	Removal of existing outlet structure

ESTIMATED QUANTITIES (TO GENERAL SUMMARY)
Item Special - Cherry Road Siphon Outlet Structure
Lump Sum

- Ref. Highway Plan - Sht # 30
- Cherry Road Siphon - Profiles - sht 118

Gate valves and couplings shall be removed from existing siphon outlet structure, cleaned, repaired if necessary and reused.

Sheet 1 of 2

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

CHERRY ROAD SIPHON
OUTLET STRUCTURE
RT. OF STATION 594+66

STARK COUNTY				USR 21	
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REMARKS
C.C.D.	O.W.		S.J.F.		

STA.- 21 - 10.23

REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shape	Banding Diagram
C401	8	4'-9"	25#	Str.	
C402	3	6'-3"	13	Str.	
C403	4	6'-9"	18	Str.	
C404	4	7'-3"	19	Str.	
C405	19	7'-9"	99	Str.	
C406	38	10'-3"	260	Str.	
C407	40	11'-3"	300	Str.	
C408	36	14'-9"	355	Str.	
C501	43	2'-9"	123	Str.	
C502	6	6'-3"	39	Str.	
C503	4E	6'-3"	313	Bent	
C504	4	6'-3"	26	Str.	
C505	6	7'-3"	45	Str.	
C506	46	7'-9"	372	Str.	
C507	29	8'-6"	257	Str.	
C508	28	9'-3"	270	Str.	
C509	74	10'-3"	791	Str.	
C510	27	11'-3"	317	Str.	
C511	6	12'-0"	75	Str.	
C512	14	13'-4"	195	Str.	
C513	16	14'-0"	234	Str.	
C514	13	13'-3"	181	Bent	
C515	16	14'-8"	245	Bent	
C516	15	12'-5"	194	Str.	
C517	11	15'-8"	180	Bent	
C518	31	17'-6"	566	Bent	
C520	8	10'-7"	164	Bent	
C601	8	6'-0"	72	Str.	
C602	2	7'-9"	23	Str.	
C603	2	10'-9"	31	Str.	
C604	7	12'-5"	183	Bent	
C701	2	10'-3"	42	Str.	
C702	2	11'-9"	46	Str.	
C301	6	5'-8"	13	Bent	
C409	10	3'-6"	23	Str.	
TOTAL WEIGHT		6109#			

BAR SIZE is indicated in the bar mark. The first digit indicates the bar size number. For example, C512 is a No. 5 size bar.

Mark	No.	Length	Weight	Shape
RE400		5'-3"		Str.
RE500		5'-6"		Str.
RE600		5'-10"		Str.
RE700		6'-2"		Str.

Replacement Bars: If reinforcing bars are fabricated from stock which has previously been tested by the Ohio Highway Testing Laboratory, test samples as provided in Sec. 5-4.02 need not be furnished and replacement bars will not be required.

NOTES:

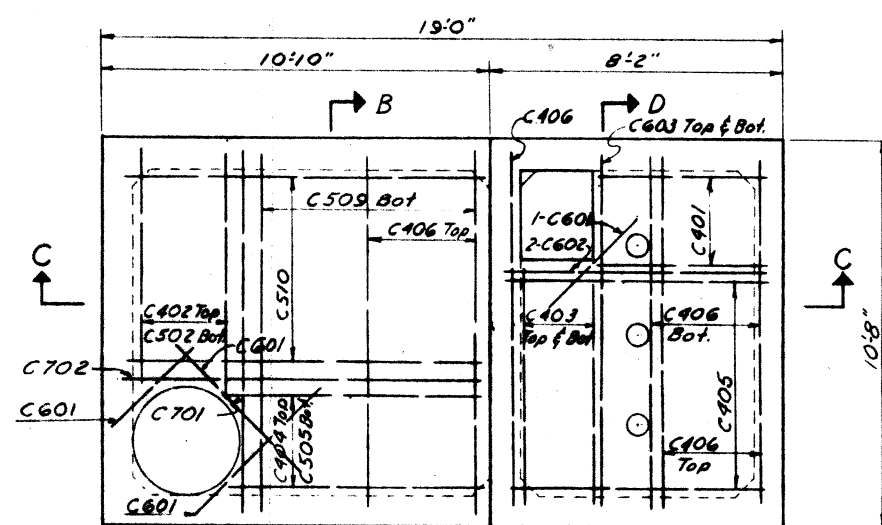
All concrete shall be class "C" ($f'_c = 4000$ psi)
 All reinforcing steel to have 1/8" cover unless otherwise shown.
 Reinforcing bars may be rotated, bent or cut in the field to clear pipes. Cut pieces shall be used to frame around pipes.
 Min laps 30 bar diameters.
 For special drainage structure notes, see Sheet 118-A.

Sheet 2 of 2

MICHAEL BAKER JR., CONSULTING ENGINEERS
 ROCHESTER, PENNSYLVANIA

CHERRY ROAD SIPHON
 OUTLET STRUCTURE
 RT. OF STATION 594+66

STARK COUNTY				USR 21	
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	BY
C.C.D.	A.W.		D.W.P.		
			S.J.F.		



PLAN

