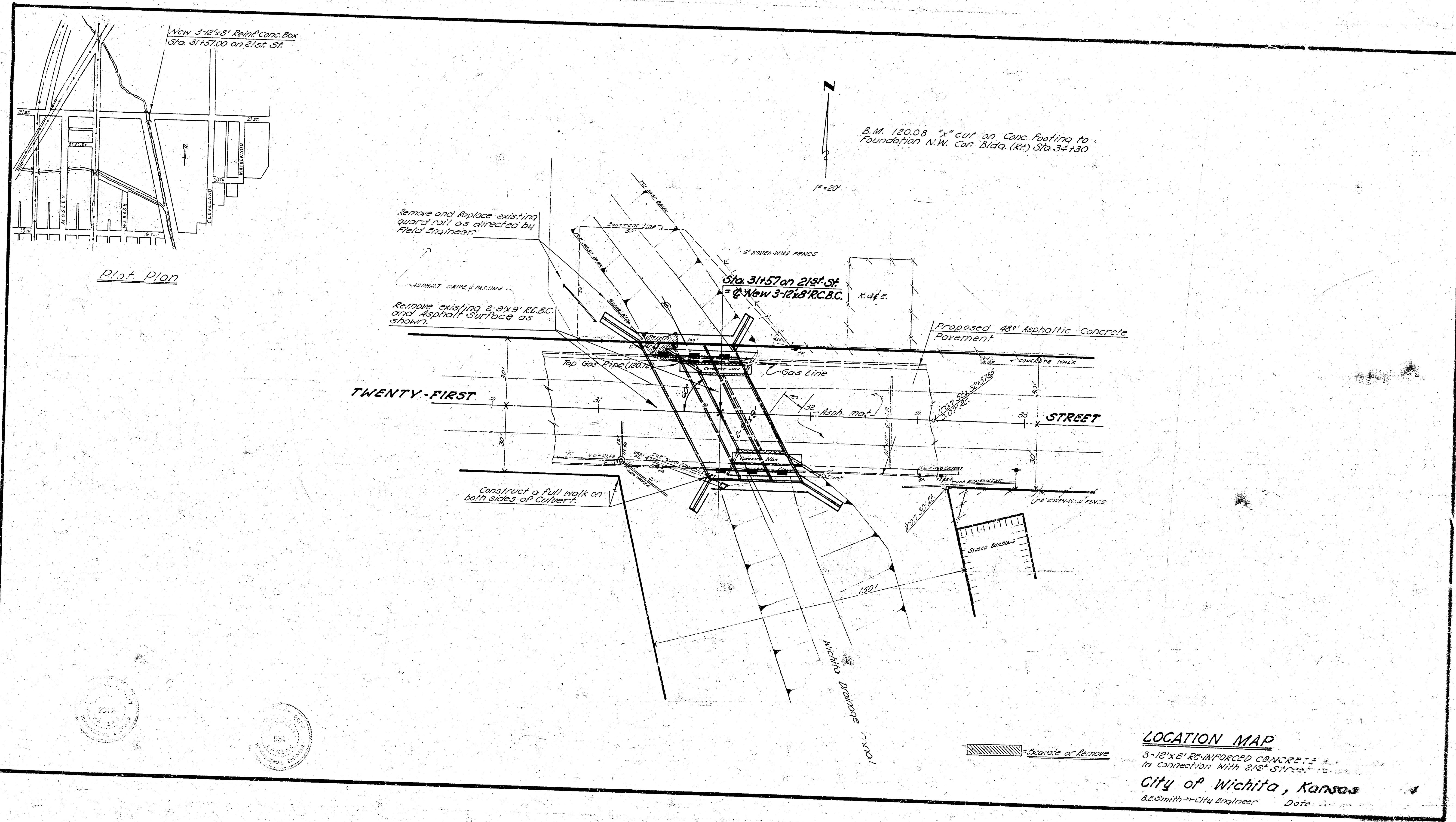
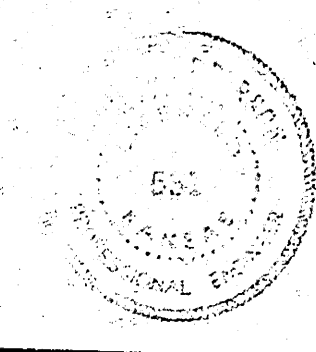
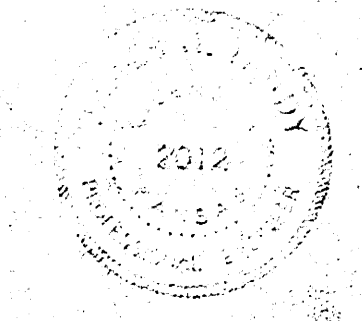
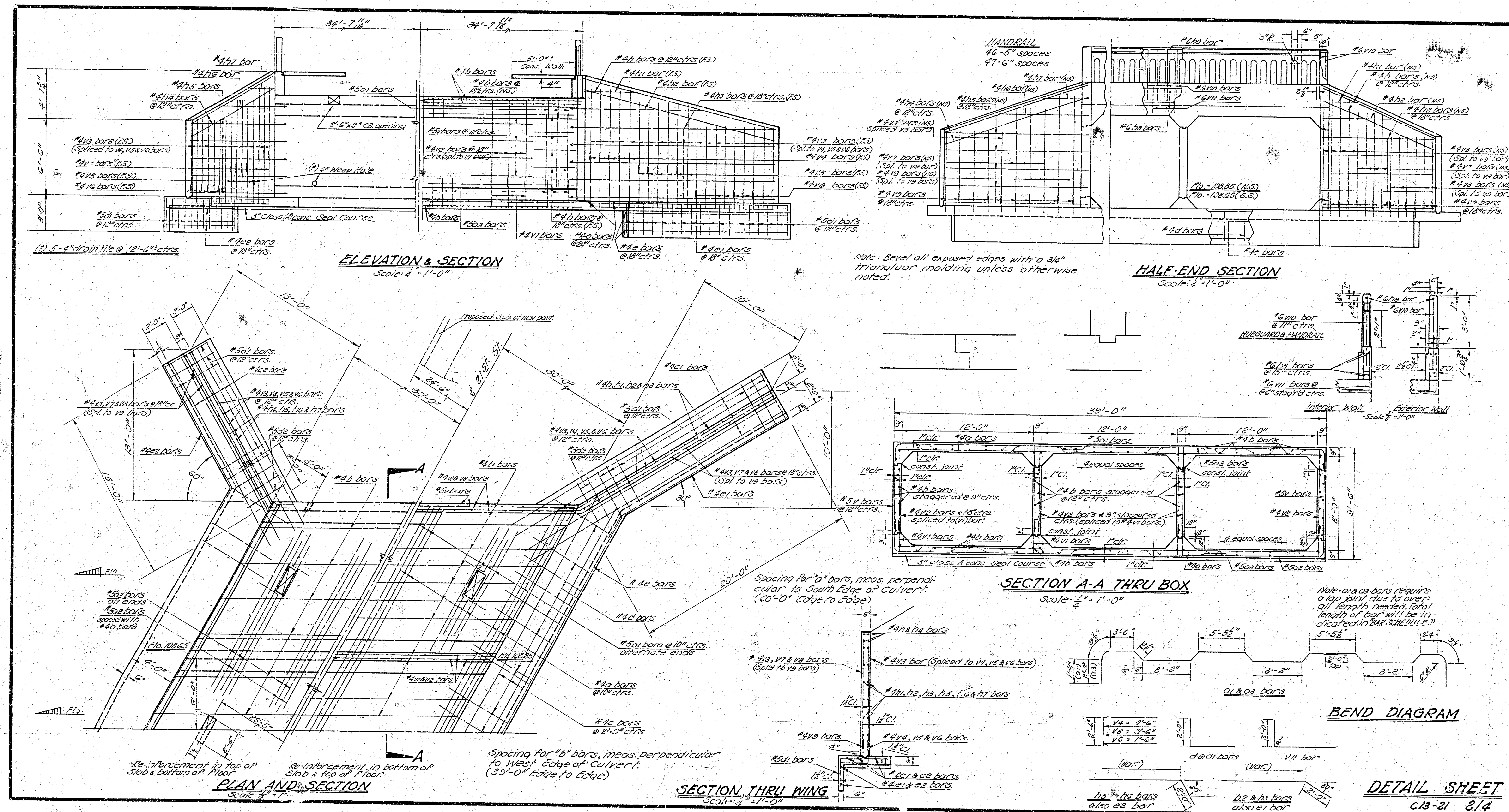




15.500



LOCATION MAP
3-12x8' REINFORCED CONCRETE BOX
IN CONNECTION WITH 8th STREET
City of Wichita, Kansas
B.L. Smith - City Engineer Date: 11/15/12



BAR Schedule							
bar	size	length	number	location	shape	spacing	weight
O	#4	23'-0"	238	box		10"	4429.8
O1	#5	50'-11"	72	"		10"	3623.6
O2	#5	23'-0"	238	"		10"	4429.8
O3	#5	52'-7"	72	"		10"	3948.5
S	#4	35'-4"	136	"		10"	4531.7
C	#4	23'-0"	8	down		10"	186.0
C1	#4	23'-0"	8	"		10"	186.0
C2	#4	18'-0"	8	"		10"	122.2
C3	#4	8'-0"	24	"		10"	235.1
C4	#4	6'-0"	20	"		10"	96.2
C5	#4	4'-0"	10	"		10"	39.1
C6	#4	23'-0"	8	toewall		10"	41.7
C7	#4	13'-0"	4	"		10"	123.8
C8	#4	10'-0"	4	"		10"	50.9
C9	#4	20'-1"	8	wingwall		10"	87.2
C10	#4	5'-0"	4	"		10"	107.3
C11	#4	15'-0"	4	"		10"	15.1
C12	#4	26'-0"	20	"		10"	30.1
C13	#4	15'-0"	8	"		10"	293.9
C14	#4	16'-10"	20	"		10"	80.2
C15	#4	12'-0"	4	"		10"	224.0
C16	#4	4'-5"	4	"		10"	32.1
C17	#4	23'-6"	16	handrail		10"	114
C18	#4	14'-0"	6	handrail		10"	131.4
C19	#5	6'-0"	198	box		10"	863.6
C20	#5	3'-0"	276	"		10"	460.2
C21	#4	7'-6"	32	wingwall		10"	1382.8
C22	#4	6'-0"	16	"		10"	368.2
C23	#4	6'-0"	28	"		10"	74.8
C24	#4	4'-0"	32	"		10"	85.5
C25	#4	8'-0"	14	"		10"	78.7
C26	#4	9'-0"	16	"		10"	64.1
C27	#4	2'-0"	48	"		10"	630.8
C28	#4	4'-0"	100	handrail		10"	1149.0
C29	#4	4'-3"	180	handrail		10"	1149.0

BILL OF MATERIALS		
Item	Quantity	Unit
Class A-AE Concrete	273.83	Cu. yds.
Reinforcing Steel	31649.0	Lbs.
Concrete Handrail	89.3	Lin. Ft.
Stone Excavation	6.8	Cu. yds.
4" Concrete Walk	433.43	Sq. Ft.
Concrete Bridge Structure Rem.	0	cosh
2x5 Brick Catch Basins		
Common Excavation	1620.1	Cu. yds.
Compacted Fill	273.9	Cu. yds.
Class A Concrete	24.6	Cu. yds.
Asphalt Surface Removed	178.9	Sq. yds.

General Notes:

CLASS A-AE Concrete shall be used throughout this project. All Reinforcing Steel shall conform to A.S.T.M. Specifications. The Bridge Contractor shall remove and dispose of the existing Concrete Bridge Structure.

EARTHWORK - All earthwork shall be considered as "Common Excavation" except for the toewall. Toewall excavation shall be included in "Lump Sum Bid."

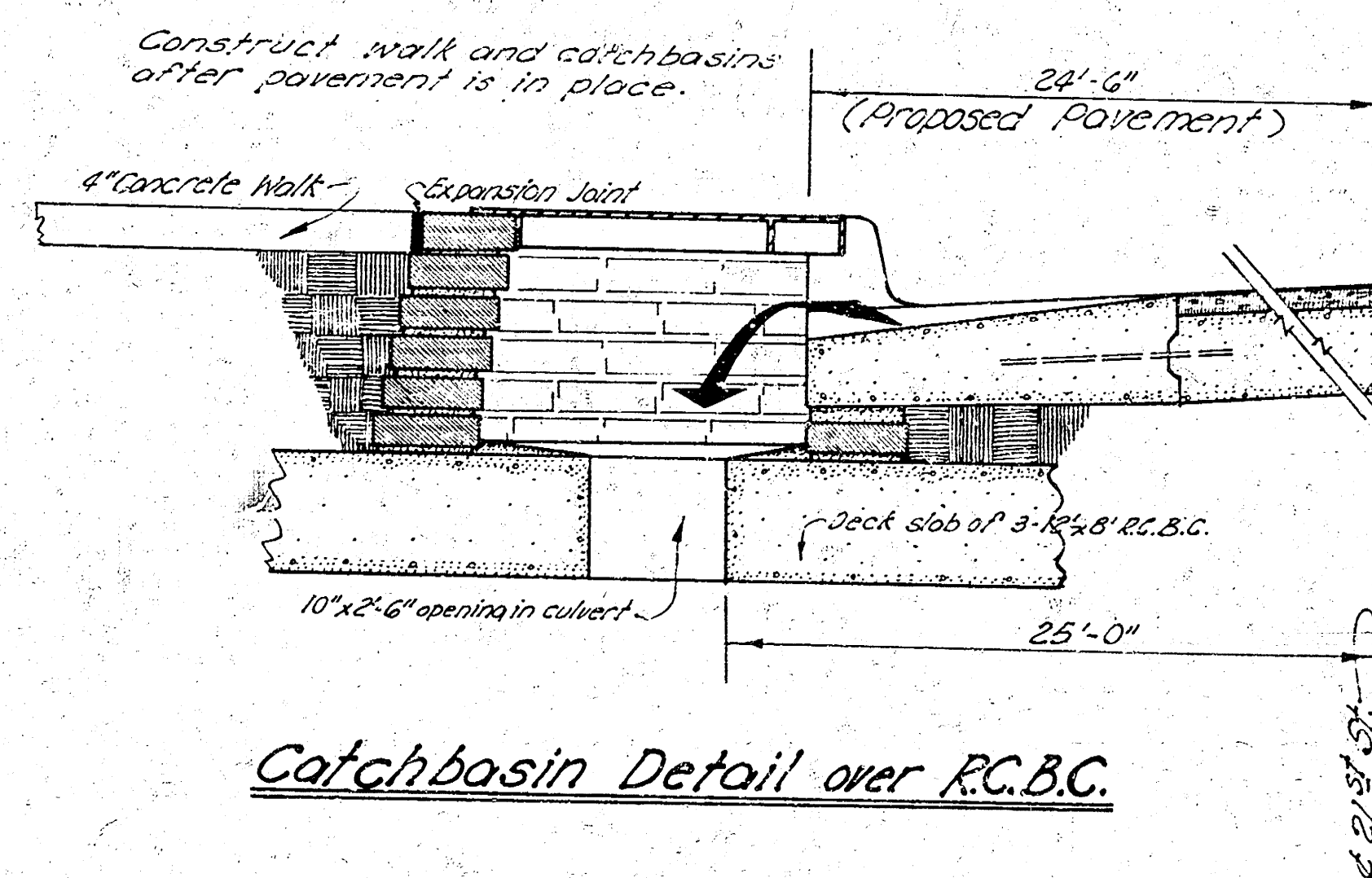
BACKFILL - shall be compacted to the bottom of new pavement grade. All backfill and excavation to extend to (2') beyond sides of bar & wingwalls.

WEAP HOLE - Coarse aggregate shall be deposited behind each weep hole to occupy a space extending (18") in all directions above weep hole flow line. This work shall not be paid for directly, but shall be considered a part of the excavation work.

SEAL COURSE - A seal course consisting of (3") Class A concrete shall be constructed only where specified on the plans or by the Engineer. No re-inforcing shall be placed until the seal course has gained sufficient strength to permit working upon it without injury.

BIDDING OF CURB - The curb shall be bid as a "Lump Sum Bid" except for the following items: Final cross-sections & slopes, asphalt surface ramp, the "BILL OF MATERIALS" list shown on plans are to be used as a guide only and not to be considered as final quantities. The Contractor will have the full responsibility for providing all materials shown on the detailed plans necessary to complete this project.

RELOCATING GUARD RAIL - Bridge Contractor to salvage & re-locate existing guard rail as shown on Sheet (1) of 4. This work to be included in the "Lump Sum Bid."



Catchbasin Detail over R.C.B.C.