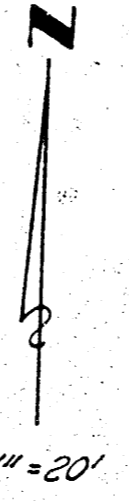
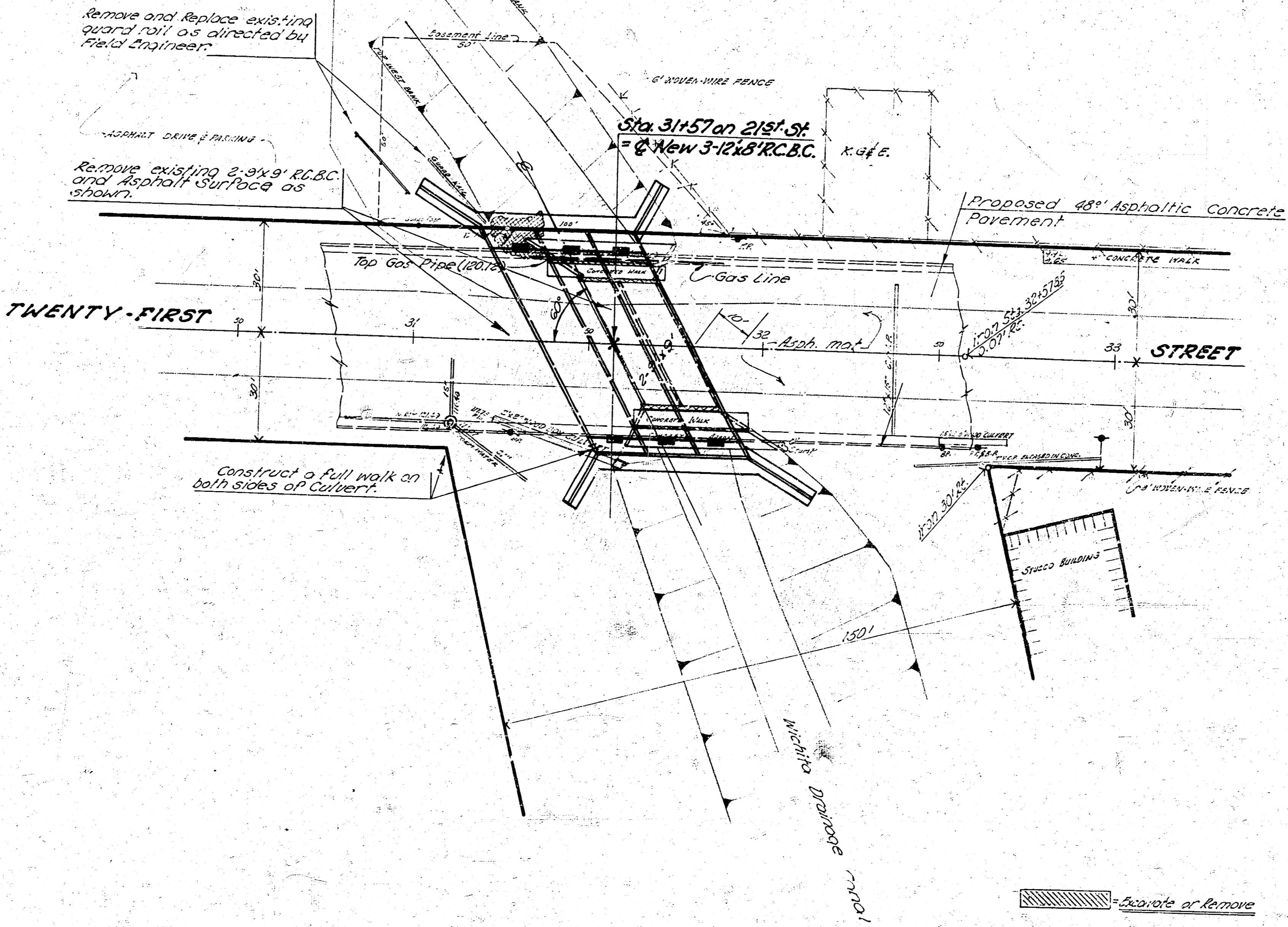


Plot Plan

New 3-12x8' Reinf. Conc. Box
Sta. 31+57.00 on 21st St.



B.M. 120.08 "x" cut on Conc. Footing to
Foundation N.W. Cor. Bldg. (Rt) Sta. 3+130



Remove and Replace existing
guard rail as directed by
Field Engineer.

Remove existing 2-8x8' R.C.C.
and Asphalt Surface as
shown.

Proposed 48" Asphaltic Concrete
Pavement

TWENTY-FIRST

STREET

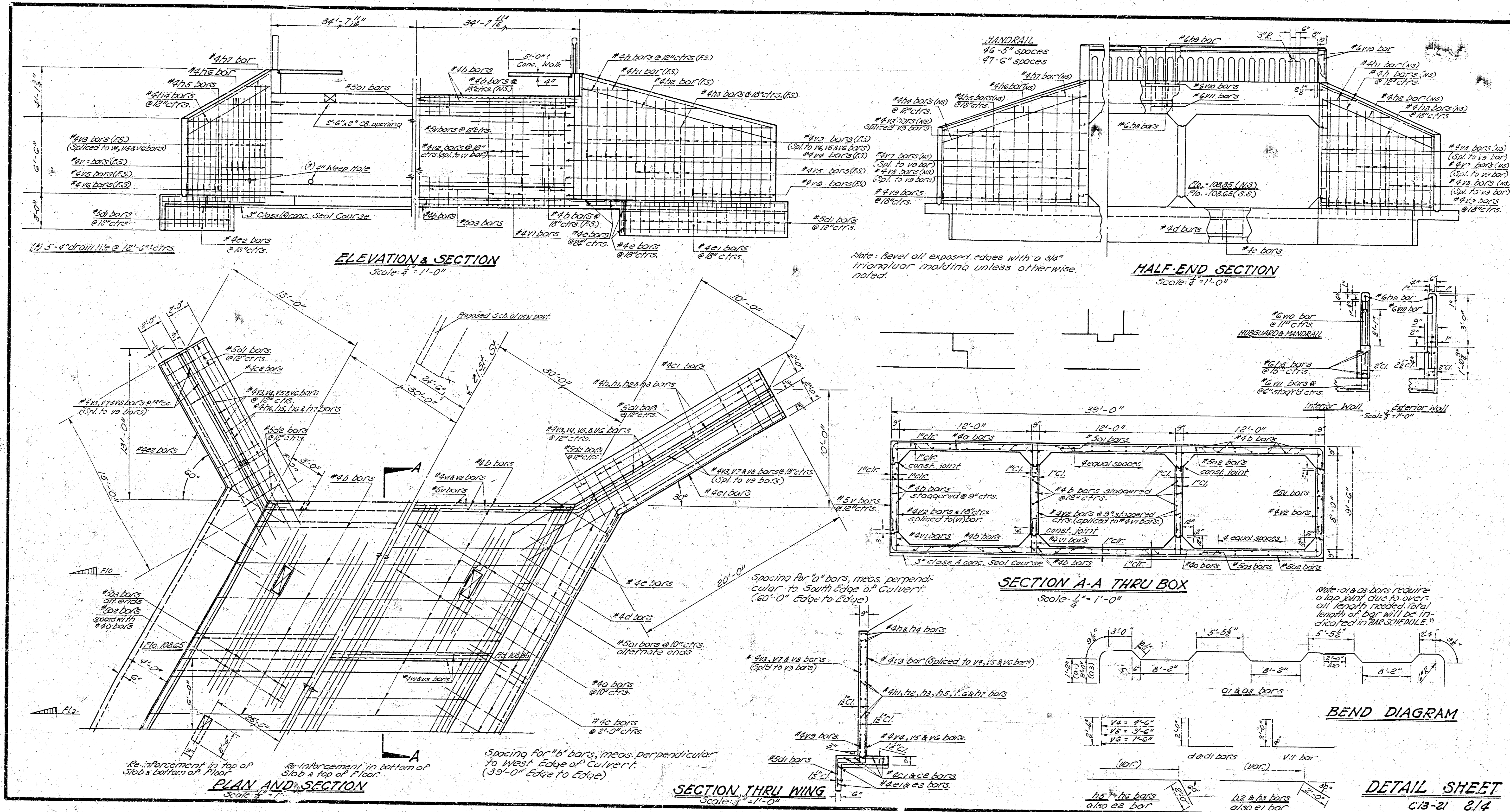
Construct a full walk on
both sides of Culvert.

Excavate or Remove



LOCATION MAP

3-12'x8' RE-REINFORCED CONCRETE BOX
in Connection With 81st Street
City of Wichita, Kansas
B.L. Smith - City Engineer Date: _____



BAR Schedule						
bar	size	length	number	location	shape	weight
0	#4	23'-0"	288	box	10"	4429.8
01	#5	50'-0"	72	"	10"	3623.6
02	#5	23'-0"	288	"	10"	4429.8
03	#5	50'-0"	72	"	10"	3623.6
1	#4	35'-0"	72	"	10"	4429.8
C	#4	23'-0"	8	curb	10"	166.0
C1	#4	23'-0"	8	"	10"	166.0
C2	#4	18'-0"	8	"	10"	128.0
D	#4	8'-0"	24	"	10"	398.4
D1	#4	6'-0"	20	"	10"	326.4
D2	#4	4'-0"	12	"	10"	196.8
E	#4	23'-0"	8	toehwall	10"	166.0
E1	#4	13'-0"	4	"	10"	83.0
E2	#4	10'-0"	4	"	10"	66.4
F	#4	20'-0"	8	wingwall	10"	107.2
F1	#4	5'-0"	4	"	10"	66.4
F2	#4	15'-0"	4	"	10"	15.1
G	#4	20'-0"	20	"	10"	301.7
G1	#4	15'-0"	8	"	10"	120.8
G2	#4	16'-0"	20	"	10"	284.0
G3	#4	10'-0"	4	"	10"	66.4
G4	#4	4'-0"	4	"	10"	33.2
H	#4	23'-0"	16	subward	10"	114.4
H1	#4	14'-0"	6	handrail	10"	131.2
I	#5	6'-0"	192	box	10"	863.6
I1	#5	3'-0"	276	"	10"	460.2
I2	#4	7'-0"	276	"	10"	1082.8
I3	#4	6'-0"	32	wingwall	10"	368.2
I4	#4	7'-0"	16	"	10"	184.1
I5	#4	6'-0"	28	"	10"	38.2
I6	#4	4'-0"	32	"	10"	66.4
I7	#4	8'-0"	16	"	10"	184.1
I8	#4	9'-0"	16	"	10"	220.7
I9	#4	10'-0"	16	"	10"	220.7
I10	#4	4'-0"	100	handrail	10"	632.8
I11	#4	4'-0"	180	subward	10"	1142.0

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	6.2	Cu. yds.
4" Concrete Walk	43343	Sq. Ft.
Concrete Bridge Structure Rem.	1	couch
2x8 Brick Catch Basins	0	
Common Excavation	1620.1	Cu. yds.
Compacted Fill	273.2	Cu. yds.
Class A Concrete	24.6	Cu. yds.
Asphalt Surface Removed	178.9	Sq. Yds.

} Lump Sum Items
 } Bid Items

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.

EXCAVATION - All earthwork shall be considered as 'Common Excavation' except for the toehwall. Toe wall excavation shall be included in 'Lump Sum Bid'.

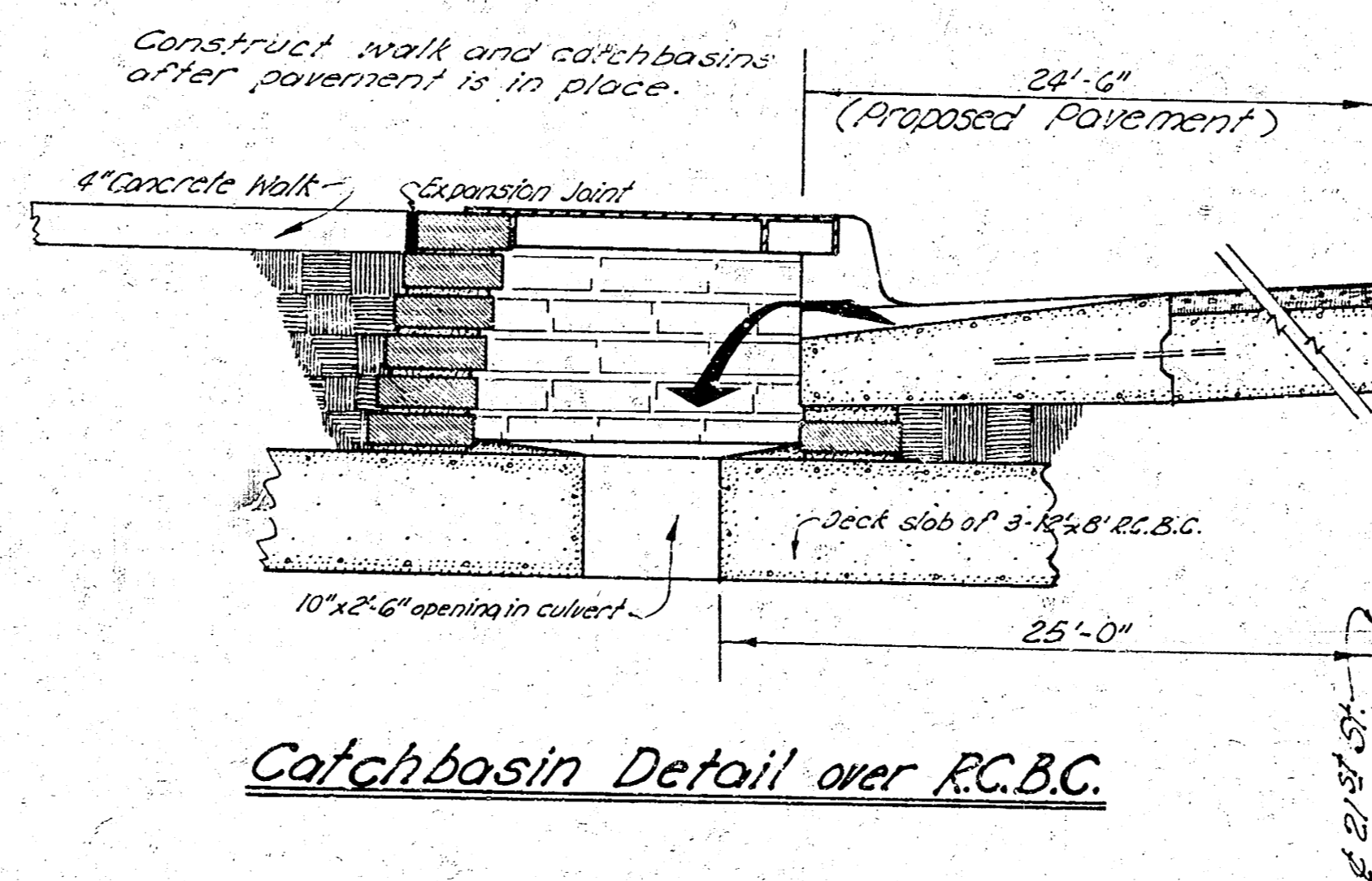
BACKFILL - shall be compacted to the bottom of new pavement grade. All backfill and excavation to extend to (2') beyond sides of bar & wingwalls.

WEED 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 (2") class A concrete shall be constructed only where gained sufficient strength to permit working upon it without injury.

BIDDING QUANTITIES - The contract shall be bid as a 'Lump Sum Bid' except for the following items: Final cross-sections & signs, asphalt surface rem. the 'BILL OF MATERIALS' and the 'BILL OF MATERIALS' list shown 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 RCBC