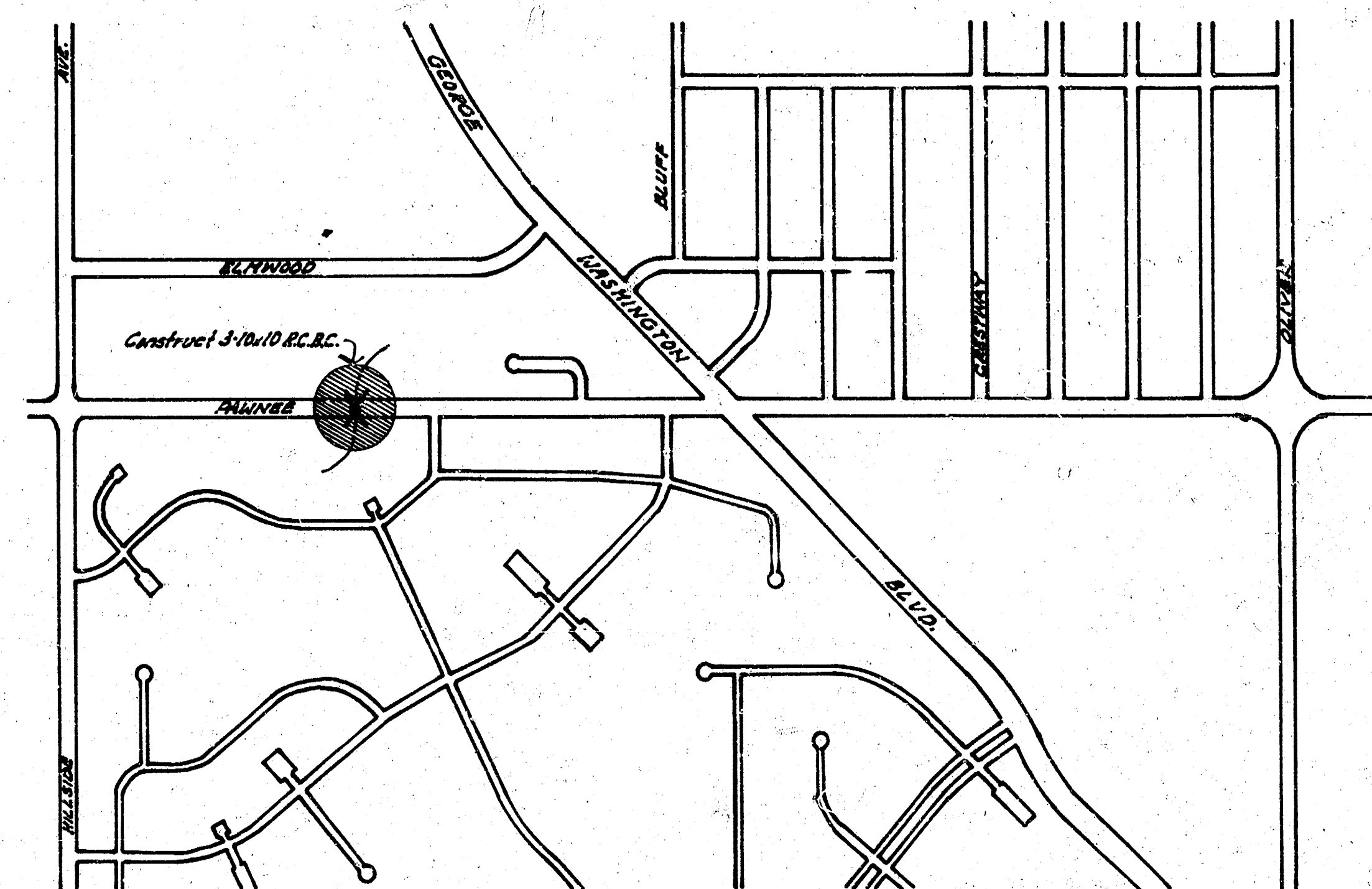
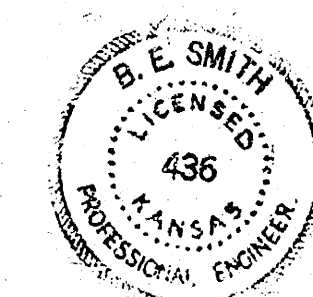





 174° 10.56' P.E. Sight S.S. of P. Pole
 on N.E. Corner of 31st St. 101st (Remond Ave.)

• LOCATION MAP •

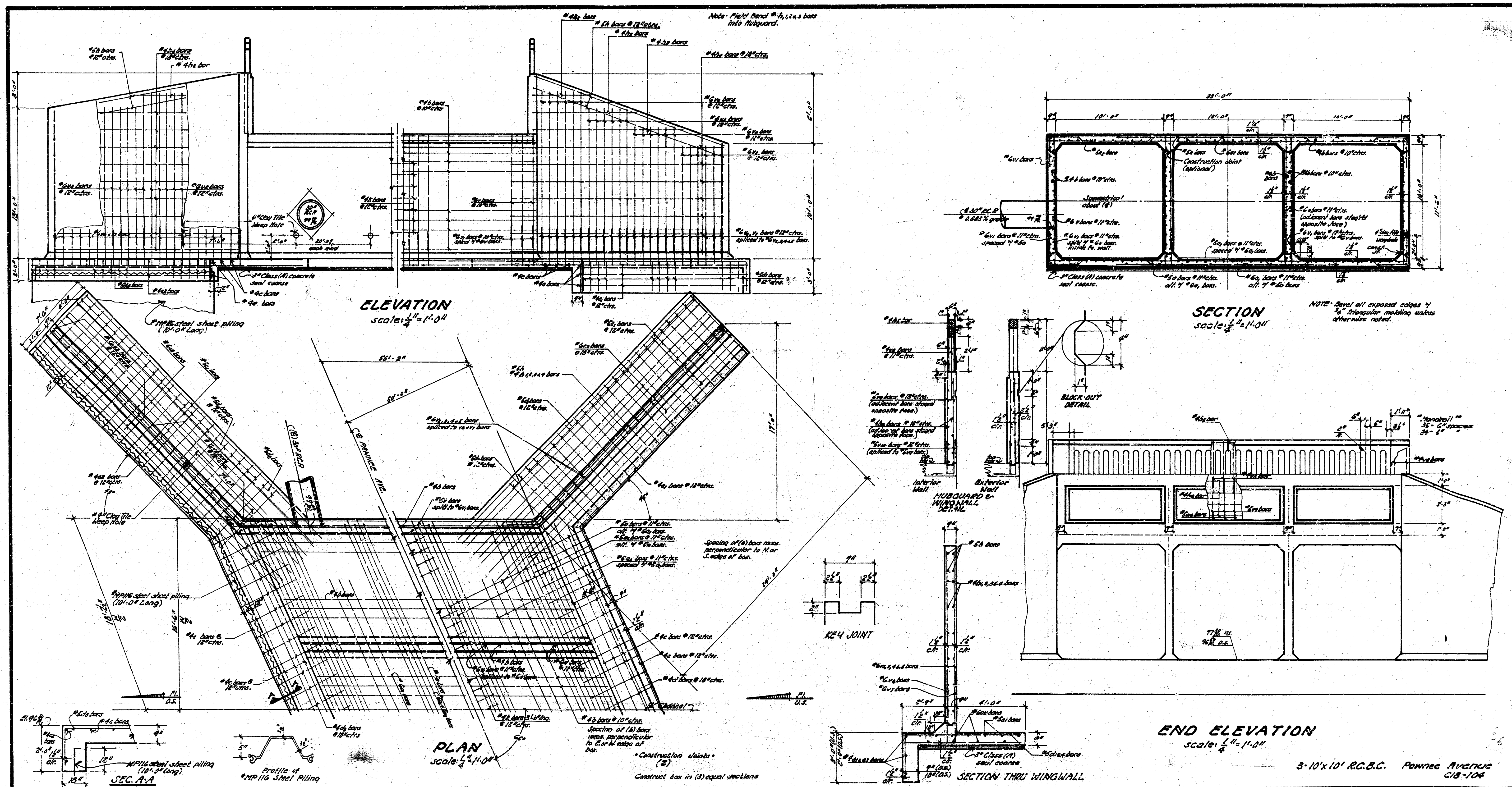
3-10x10 Reinf. Conc. Box Culvert
 in connection with paving **Remond Ave.**
 Hillside Avenue to Oliver Street.



City of Wichita, Kansas

B.E. Smith
 Date: NOV. 1969

City Engineer
 Proj. No. C18-104



BAR SCHEDULE						
Bar	Size	Length	No.	Location	Shape	Height
a	#4	37'-1"	210	Box	U	11"
a1	#4	36'-0"	210	"	U	11"
a2	#4	36'-0"	210	"	U	11"
b	#4	36'-0"	240	Box	U	10"
c	#4	36'-0"	2	Open	U	10"
c1	#4	36'-0"	2	Wingwall	U	10"
c2	#4	36'-0"	16	"	U	10"
d	#4	36'-0"	88	Open	U	10"
d1	#4	36'-0"	44	Wingwall	U	10"
d2	#4	36'-0"	5	"	U	10"
d3	#4	36'-0"	88	Open	U	10"
d4	#4	36'-0"	44	Wingwall	U	10"
e	#4	37'-1"	5	Open	U	10"
e1	#4	37'-1"	5	Wingwall	U	10"
f	#4	37'-1"	4	"	U	10"
g	#4	37'-1"	88	Open	U	10"
h	#4	36'-0"	12	Wingwall	U	10"
i	#4	36'-0"	4	"	U	10"
j	#4	36'-0"	8	"	U	10"
k	#4	36'-0"	4	"	U	10"
k1	#4	36'-0"	4	Wingwall	U	10"
k2	#4	36'-0"	4	Wingwall	U	10"
l	#4	36'-0"	40	Subguard	U	10"
m	#4	36'-0"	760	Box	U	11"
n	#4	36'-0"	1800	"	U	11"
o	#4	36'-0"	50	Wingwall	U	10"
p	#4	36'-0"	72	"	U	10"
q	#4	36'-0"	24	"	U	10"
r	#4	36'-0"	24	"	U	10"
s	#4	36'-0"	100	"	U	10"
t	#4	36'-0"	100	Wingwall	U	10"
u	#4	36'-0"	76	Wingwall	U	10"
v	#4	36'-0"	144	Subguard	U	10"
w	#4	36'-0"	144	"	U	10"

BILL OF MATERIALS		
ITEM	Quant	Unit
Class A-A Concrete	428.62	CY
Reinforcing Steel	71,080.0	Lbs.
Concrete Handrail	76.8	LF
Hand Excavation	10.42	CY
Welded Steel Sheet Piling	816.0	LF
Conc. Rip-Rap	270.0	CU
Common Excavation	745.6	CY
Compacted Fill	848.0	CY
Loose Fill	897.0	CY
Class (C) Concrete	41.2	CY
Asphalt Mat Rem.	462.0	SF
30" R.C.P.	4	LF
Existing Structure Rem.	1	CU
Clearing Right of Way		

(A) CLEARING R/W - Clearing R/W item will include the following:
Tree rem., tree rem., existing structure rem.,
grass strip, etc. or any other obstruction
hindering the construction of this project.

GENERAL NOTES

CLASS A-A CONCRETE Shall be used throughout this project. All Reinforcing Steel shall conform to A.S.T.A. Specifications.

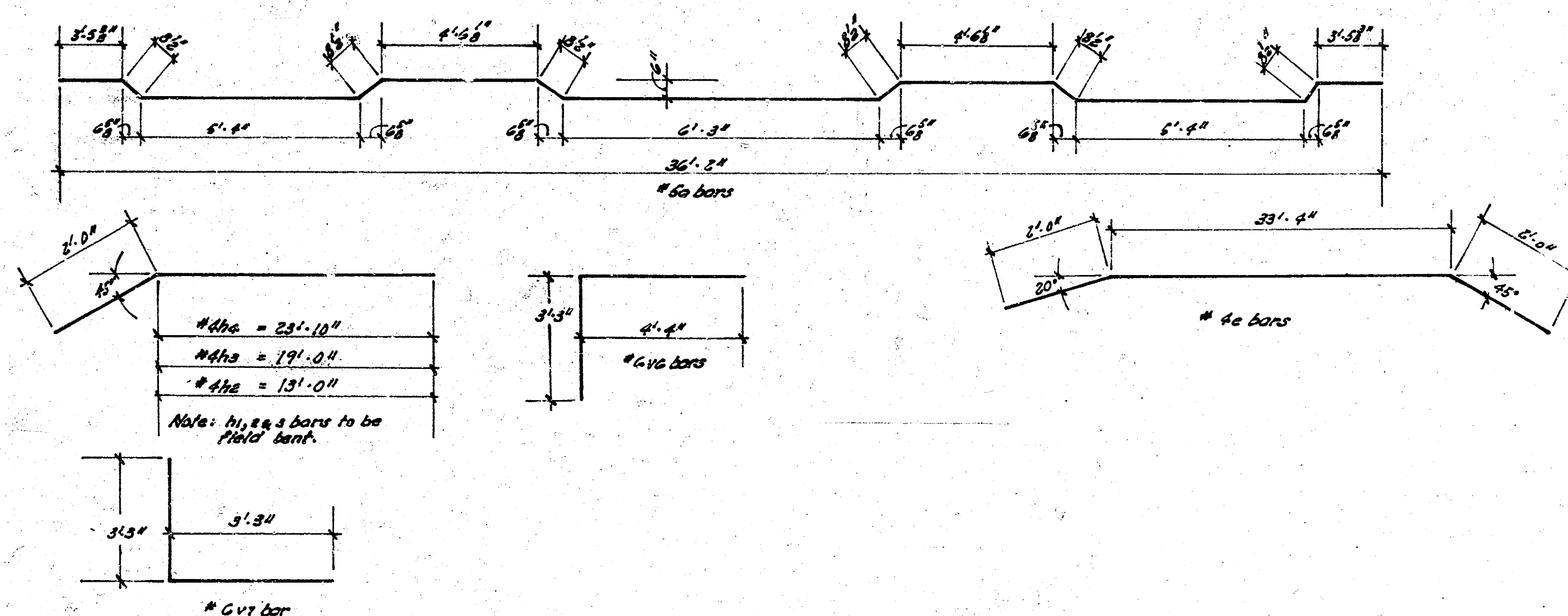
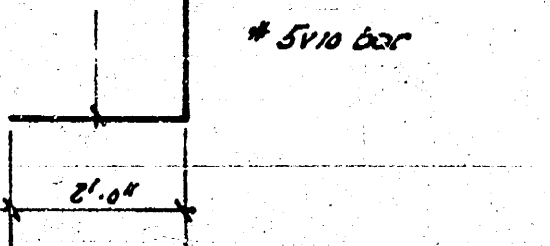
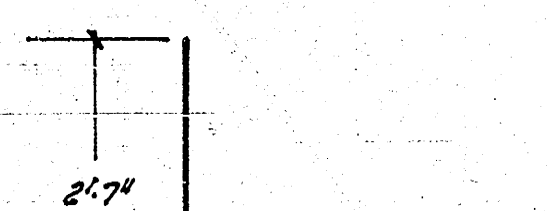
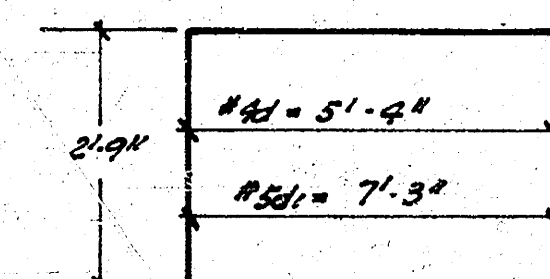
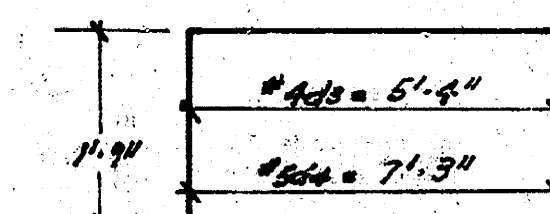
EARTHWORK All earthwork shall be considered as "Common Excavation" except for the Lowwall, Toewall excavation shall be included in the "Lump Sum Bid".

BACKFILL Shall be compacted to the bottom of new pavement grade. All backfill & excavation to extend to (2') beyond sides of box & wingwalls.

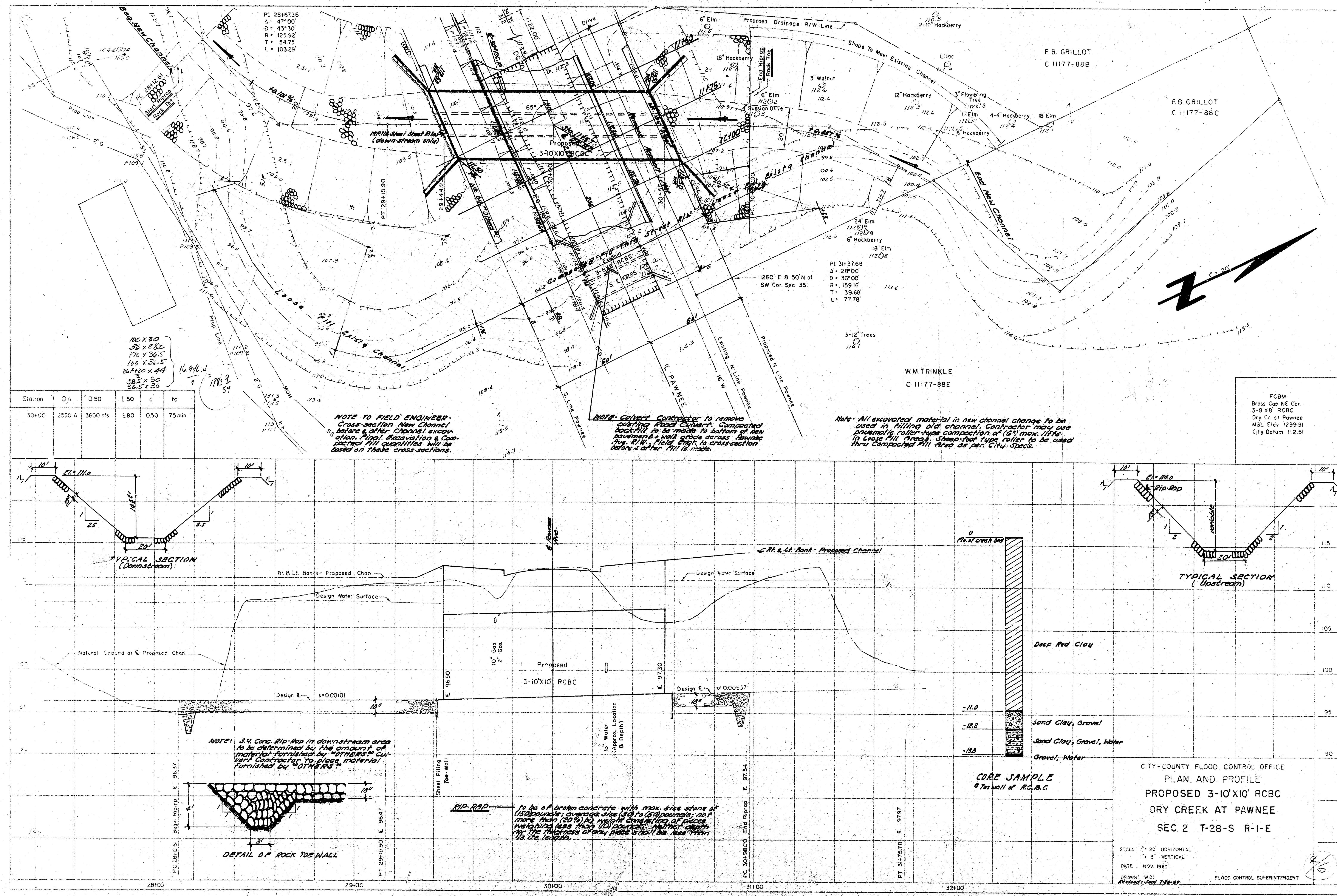
SEEDING Coarse aggregate shall be deposited behind each "weephole" to occupy a space extending (18") in all directions above weephole flowline. This work shall not be paid for directly, but shall be a part of the excavation work.

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 reinforcement shall be placed until the seal course has gained sufficient strength to permit working upon it without injury.

BIDDING OF CULVERT The Culvert shall be bid as a "Lump Sum Bid" except for the following items: Clearing R/W, 30" Conc. Rip-Rap, C/I Common Excavation, C/I Compacted Fill, C/I Loose Fill, C/I Class (C) Conc., Piling & L.P. 30" R.C.P. Quantities shown in the Bill of Materials are items included in the Lump Sum Bid. Culvert are for information only. The Contractor must verify himself to the quantities the Engineer assumes no responsibility for their accuracy. The Contractor will have full responsibility for providing all materials shown on the detailed plans, necessary to complete this project.



15-10-20



Surveyed
by
F.B. GRILLOT
Checked
by
F.B. GRILLOT

Station	QA	Q50	150	c	tc
30+00	2550 A	3600 cfs	2.80	0.50	75 min

NOTE TO FIELD ENGINEER:
Cross-section New Channel
before & after channel excavation.
Final excavation & compacted fill quantities will be based on these cross-sections.

NOTE: Culvert Contractor to remove existing Road Culvert. Compacted backfill to be made to bottom of new proposed 10' water collection. During R/W: Field Sign to cross-section before & after fill is made.

Note: All excavated material in new channel change to be used to filling old channel. Contractor may use pneumatic roller-type compaction of (20) max. lifts to loose fill. After deep-frost type roller to be used thru compacted fill. Check for per City Specs.

FCBM
Bross Can NE Cor
3-8'x8' RCBC
Dry Cr at Pawnee
MSL Elev 1299.91
City Datum 112.51

CITY-COUNTY FLOOD CONTROL OFFICE
PLAN AND PROFILE
PROPOSED 3-10'x10' RCBC
DRY CREEK AT PAWNEE
SEC 2 T-28-S R-1-E

SCALE: 1" = 20' HORIZONTAL
1" = 5' VERTICAL
DATE: NOV 1985
DRAWN BY: F.B. GRILLOT
FLOOD CONTROL SUPERINTENDENT