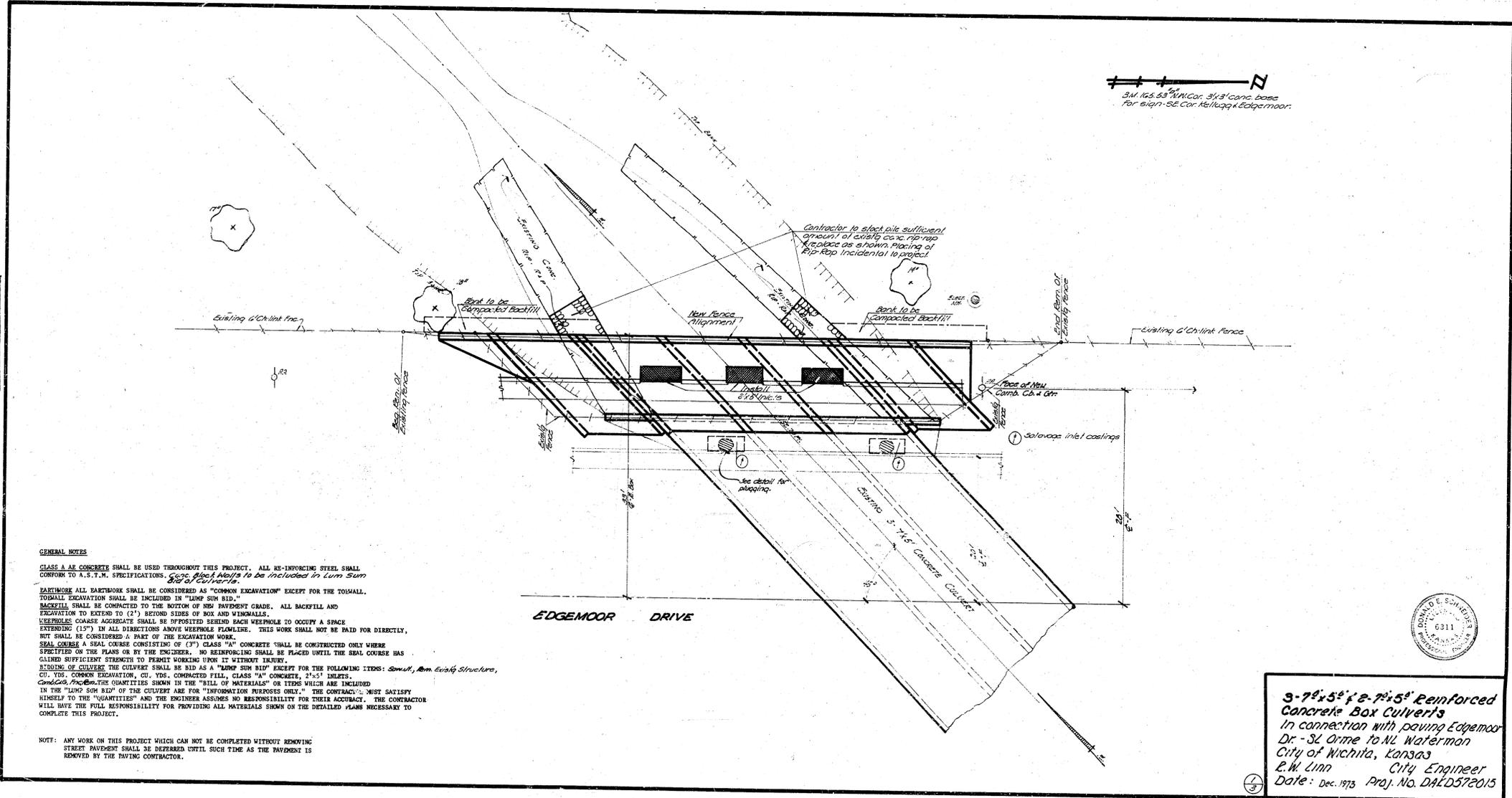


Checked  
 E. W. Linn  
 City Engineer  
 12/15/13



**GENERAL NOTES**

CLASS A AF CONCRETE SHALL BE USED THROUGHOUT THIS PROJECT. ALL RE-INFORCING STEEL SHALL CONFORM TO A.S.T.M. SPECIFICATIONS. *See Note 1 to be included in Lum Sum Bid of Culverts.*

ADDITIONAL ALL EARTHWORK SHALL BE CONSIDERED AS "COMMON EXCAVATION" EXCEPT FOR THE TOSMALL. TOSMALL 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 BOX AND WINDMILLS.

WEEPHOLES COARSE AGGREGATE SHALL BE DEPOSITED BEHIND EACH WEEPHOLE TO OCCUPY A SPACE EXTENDING (12") IN ALL DIRECTIONS ABOVE WEEPHOLE FLANGLINE. 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 REINFORCING SHALL BE PLACED UNTIL THE SEAL COURSE HAS GAINED SUFFICIENT STRENGTH TO PERMIT WORKING UPON IT WITHOUT INJURY.

BOUNDING OF CULVERT THE CULVERT SHALL BE BID AS A "LUMP SUM BID" EXCEPT FOR THE FOLLOWING ITEMS: *Some, from Existing Structure.*

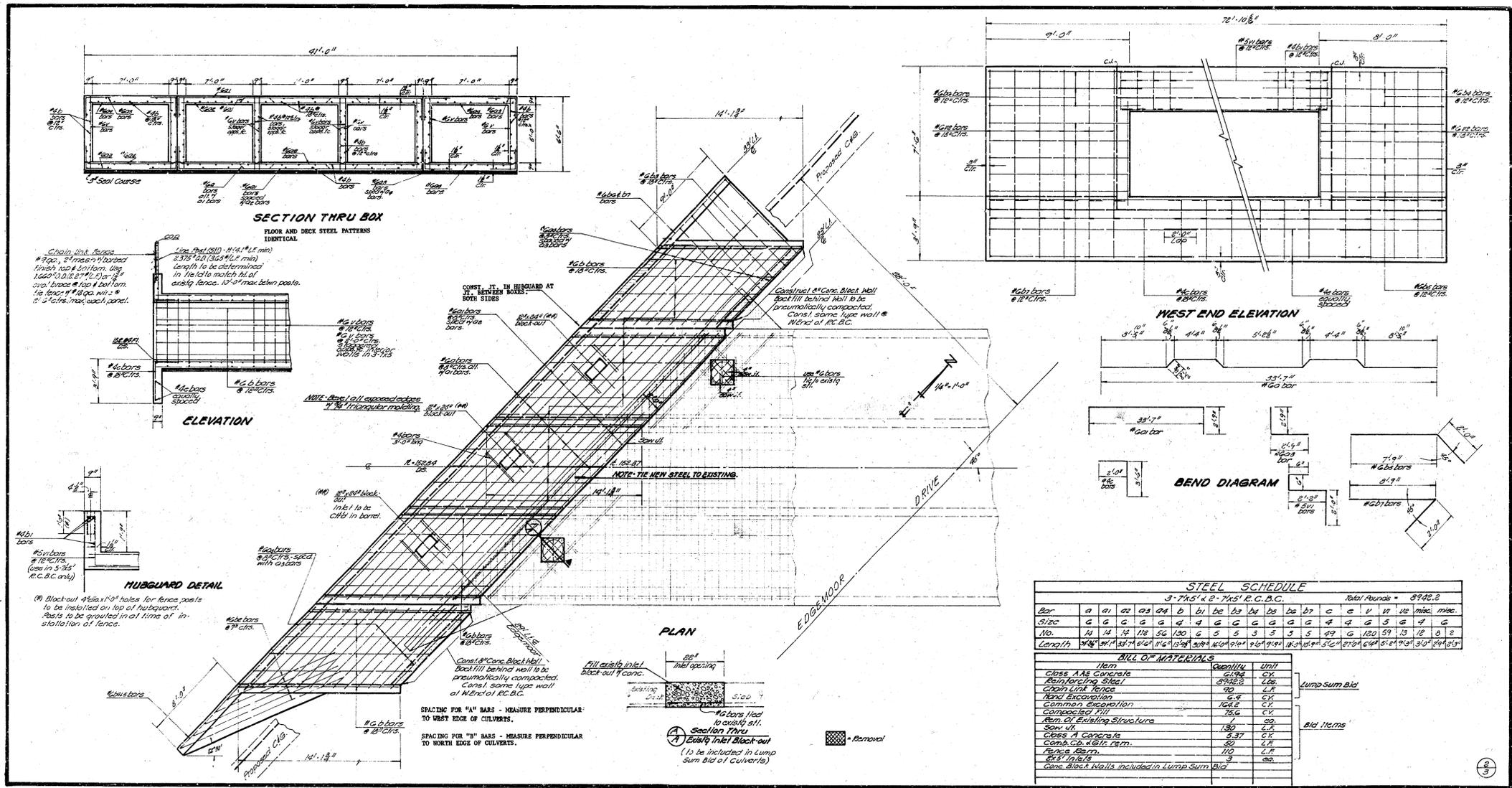
CU. YDS. COMMON EXCAVATION, CU. YDS. COMPACTED FILL, CLASS "A" CONCRETE, 2'-5" INLETS.

QUANTITIES SHOWN IN THE "BILL OF MATERIALS" OR ITEMS WHICH ARE INCLUDED IN THE "LUMP SUM BID" OF THE CULVERT ARE FOR "INFORMATION PURPOSES ONLY." THE CONTRACTOR MUST SATISFY HIMSELF TO THE "QUANTITIES" AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. THE CONTRACTOR WILL HAVE THE FULL RESPONSIBILITY FOR PROVIDING ALL MATERIALS SHOWN ON THE DETAILED PLANS NECESSARY TO COMPLETE THIS PROJECT.

NOTE: ANY WORK ON THIS PROJECT WHICH CAN NOT BE COMPLETED WITHOUT REMOVING STREET PAVEMENT SHALL BE DEFERRED UNTIL SUCH TIME AS THE PAVEMENT IS REMOVED BY THE PAVING CONTRACTOR.

**3-7' x 5' x 8-7' x 5' Reinforced Concrete Box Culverts**  
 In connection with paving Edgemoor Dr - St Orme to Al Waterman City of Wichita, Kansas  
 E.W. Linn City Engineer  
 Date: Dec. 1913 Proj. No. DA10572015





**STEEL SCHEDULE**  
3'-7 1/2" x 8'-7 1/2" R.C.C.

Bar	a	a1	a2	a3	a4	b	b1	b2	b3	b4	b5	b6	b7	c	e	v	w	misc.	misc.
Qty	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4
No.	14	14	14	14	14	56	56	56	56	56	56	56	56	56	56	56	56	56	56
Length	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"

**BILL OF MATERIALS**

Item	Quantity	Unit
Class A Concrete	81.52	CY
Reinforcing Steel	8748.2	Lbs.
Crack Link Fence	93	L.F.
Hand Excavation	6.4	CY
Common Excavation	104.8	CY
Compacted Fill	78.2	CY
Rem. of Existing Structure	78.2	sq. ft.
Form Work	130	S.F.
Class A Concrete	81.52	CY
Comp. Gr. @ 4" in 12"	30	S.F.
Fence Form	110	S.F.
2" x 4" Studs	3	ea.
Class Block Walls included in Lump Sum Bid		

**Lump Sum Bid**

**Bill Items**