

PVT STA.
3+35.83

PVT STA.
3+98.33

PVT STA
4+60.83

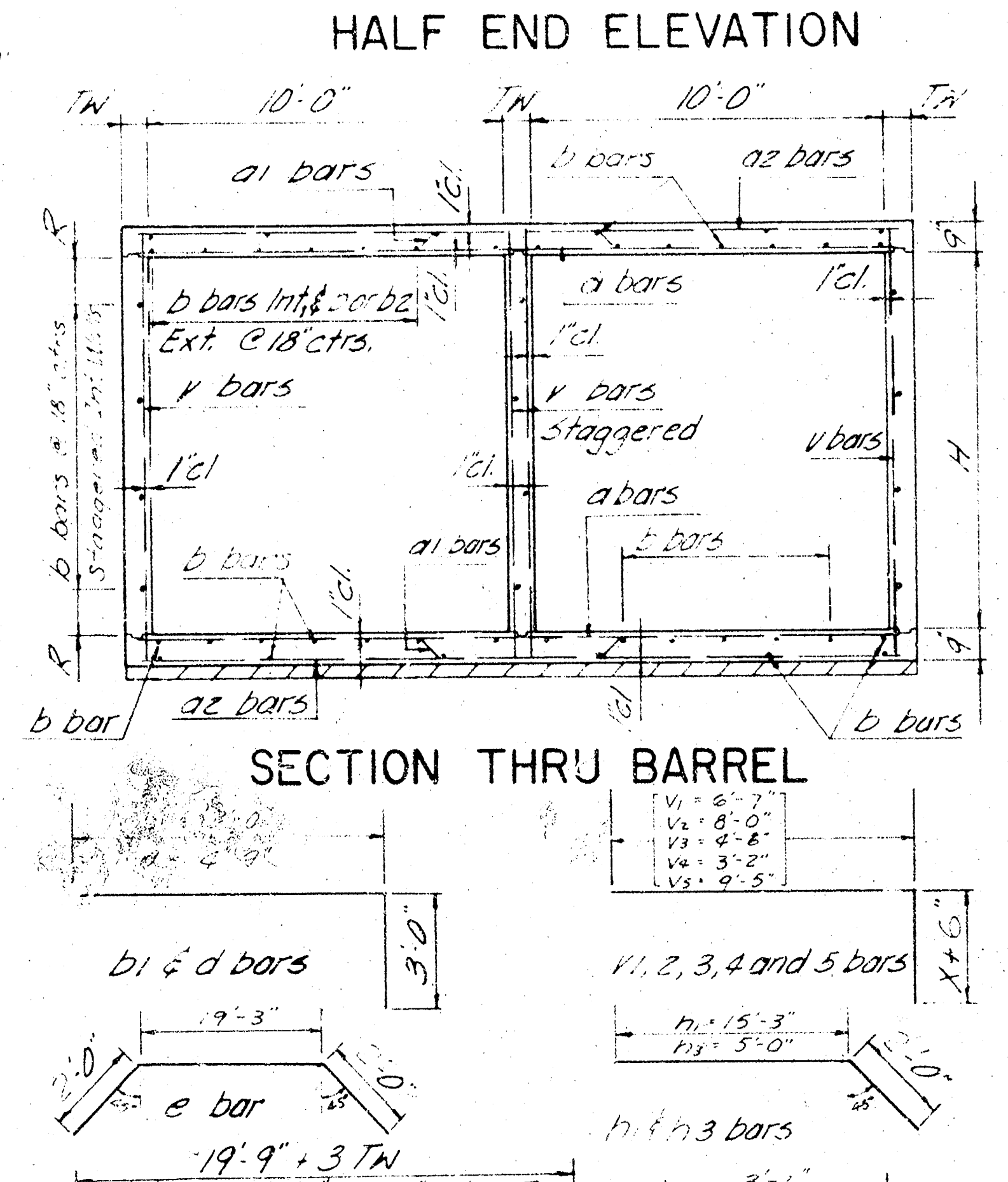
GENERAL NOTES:
LOADING: N-20-44 AASHTO SPECIFICATIONS 1961 EDITION
UNIT STRESSES: $f'_c = 2000$ psi; $f_c = 1200$ psi; $f_s = 20000$ psi

1. CLASS A RE CONCRETE SHALL BE USED THROUGHOUT THIS PROJECT. ALL REINFORCING STEEL SHALL CONFORM TO A.S.T.M. SPECIFICATIONS.
2. BACKFILL ALL BACKFILL SHALL BE CONSIDERED AS "COMMON EXCAVATION" EXCEPT FOR THE TOSWALL. TOSWALL EXCAVATION SHALL BE INCLUDED IN "LUMP SUM BID".
3. BACKFILL ALL BACKFILL AND EXCAVATION TO EXTEND TO (2') BEYOND SIDES OF BOX AND WING WALLS.
4. BEVEL ALL EXPOSED EDGES OF CONCRETE WITH 3/4" TRIANGULAR ROUNDOFF.
5. WEEDPILES COARSE AGGREGATE SHALL BE DEPOSITED SINCE EACH WEEDPILE TO OCCUPY A SPACE EXTENDING 12" TO ALL DIRECTIONS ABOUT WEEDPILE FLAG LINE. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED A PART OF THE EXCAVATION WORK.
6. 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 DAMAGE.
7. ROUTING OF CURBLET THE CURBLET SHALL BE BID AS A "LUMP SUM BID" EXCEPT FOR THE FOLLOWING ITEMS: CU. YDS. COMMON EXCAVATION, CU. YDS. CONCRETE FLAG, CU. YDS. LOOSE FILL, CLASS "A" CONCRETE, AND 4" x 5" CURB DIES.
8. THE QUANTITIES SHOWN IN THE "BILL OF MATERIALS" OR ITEMS WHICH ARE INCLUDED IN THE "LUMP SUM BID" OF THE CURBLET 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 ON THE DETAILED PLANS NECESSARY TO COMPLETE THE PROJECT.

2.0' Dia. Inlet Grate.
Grate Elev. 149.24
Pipe Fl. Elev. 148.49

2-10x6 REINFORCED CONCRETE
BOX CULVERT
IN CONNECTION WITH PAVING OF
BLUESTEM LANE FROM E.L. ROCK RD.
TO E.L. CEDAR LAKES VILLAGE 2ND ADD^{ON}
CITY OF WICHITA, KANSAS

R.W. LINN	CITY ENGINEER
DATE	PROJECT NO. DAKS 573071



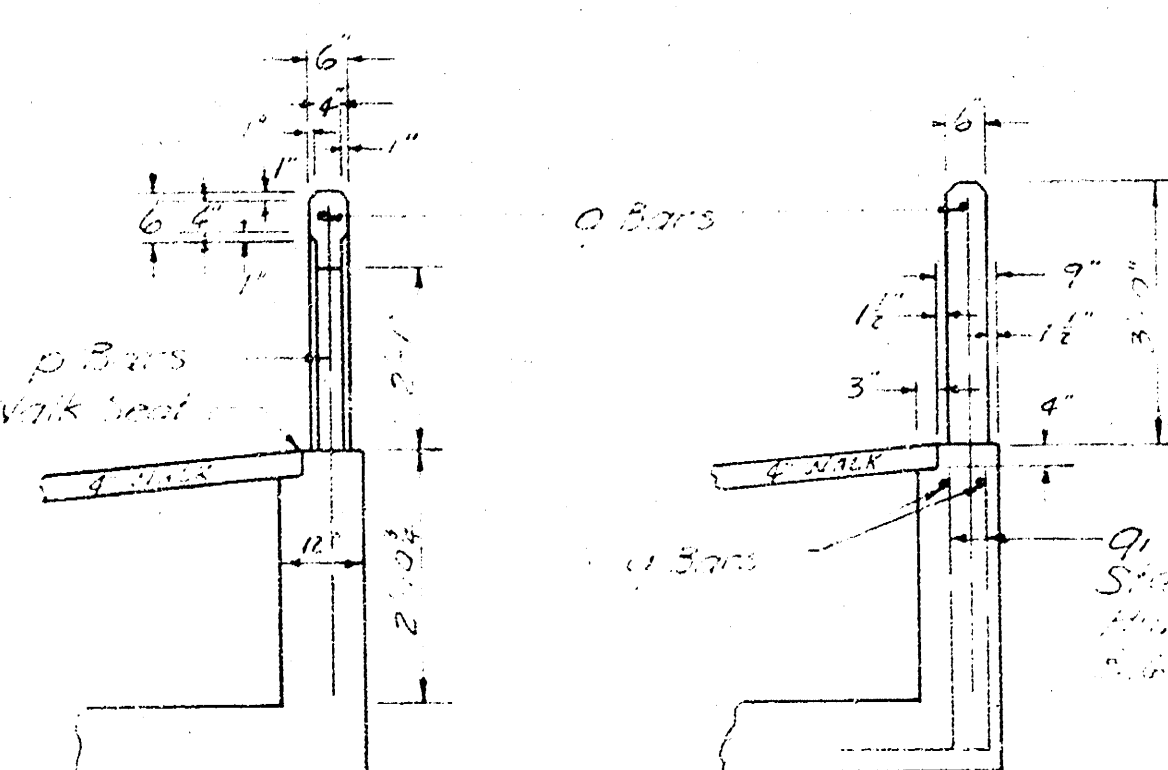
HALF END ELEVATION

HALF PLAN AND SECTION

SEE SHEET #1

BENDING DIAGRAMS

All dimensions are out to out of bars.



DETAIL HUBGUARD AND HANDRAIL

LIST OF BARS AND DIMENSIONS		Note: Maximum Fill for this design is 4 Ft.	
12" x 12" x 12"	1/2" x 12" x 12"	4" x 12" x 12"	12" x 12" x 12"

Apron Steel		Lbs		Seal Course		C.Y.		ring		Seal Course		C.Y.	
Apron Concrete		C.Y.		Apron Seal Course		C.Y.							
Letter	A	B	C	E	H	R	TN	N	X	Y			
Dimension											space	11"	11"
Bar	1	a1	a2	b	b1	b2	c	c1	d	e	e1	g	h
Number					20	12	2					8	16
Size	#5	#5	#5	#4	#4	#4	#4	#4	#4	#4	#4	#5	#5
Length			149				340						28
Drainage Area													

Waterway Required (Tailor C.)	50 Ft.
Waterway Required (Dam)	50 Ft.
Waterway Provided (Below A.H.)	50 Ft.
Total Waterway Provided	50 Ft.
Discharge Q50	6.5

SUMMARY OF QUANTITIES SEE SHEET #3

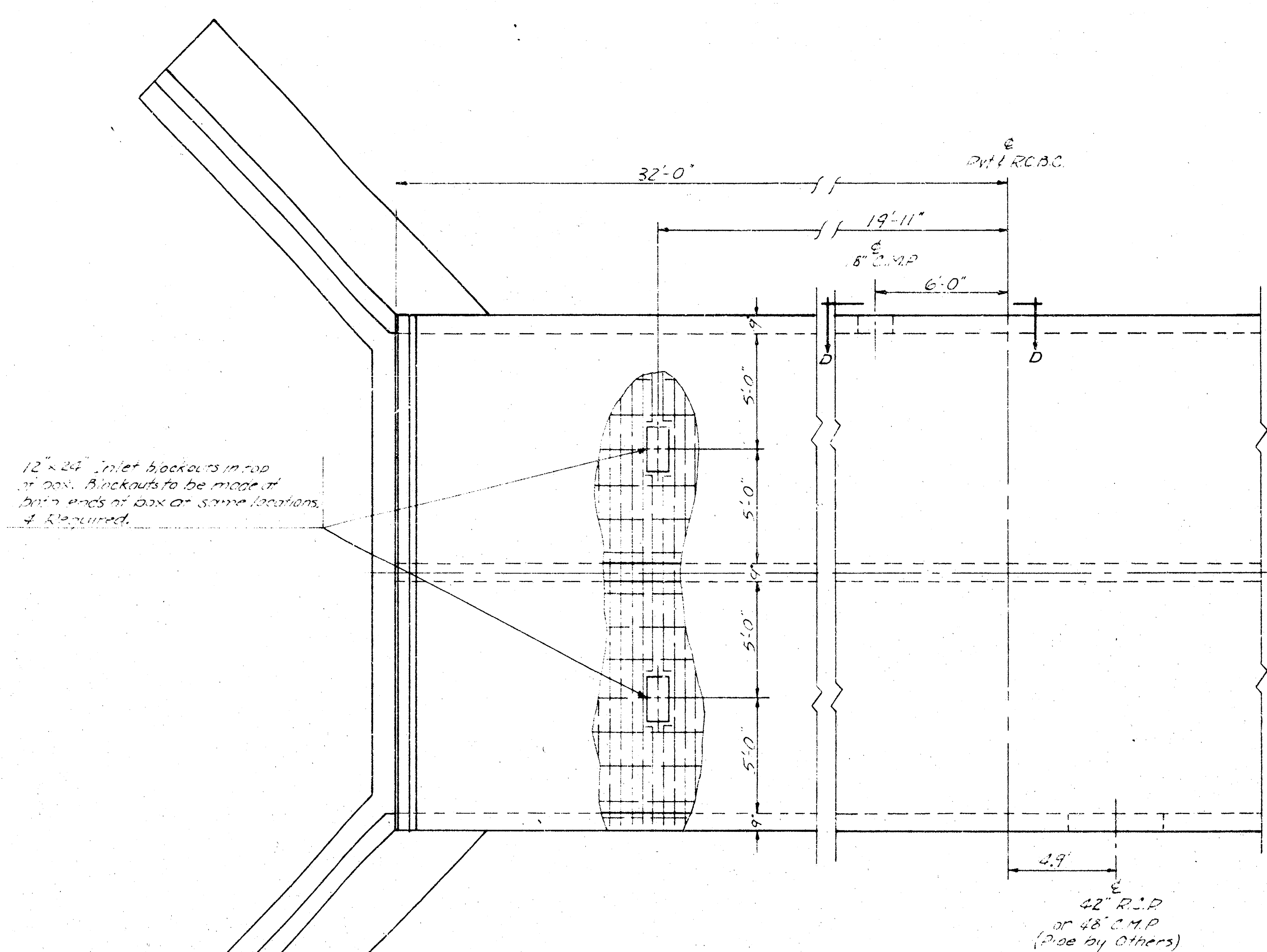
~~Class III Excavation~~	~~Cu. Yds.~~
~~Class A Concrete~~	~~Cu. Yds.~~
~~Reinforcing Steel~~	~~Lbs.~~
~~Metal Handrail~~	~~Lin. Ft.~~

STATE HIGHWAY COMMISSION OF KANSAS			
STD. DOUBLE 10' SPAN CONC. BOX			
IN CONNECTION WITH PAVING OF			
BLUESTEM LANE			
DAKS 57307			

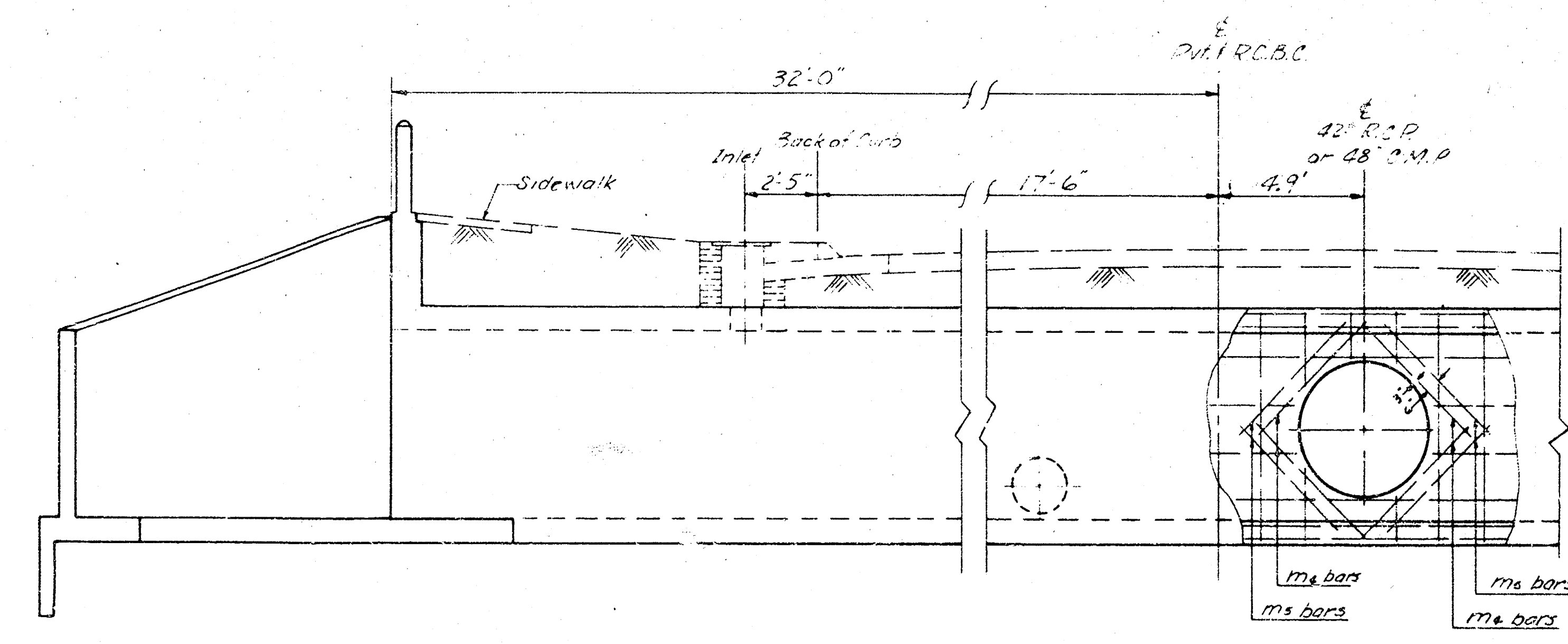
SHEET NO.	OF	SCALE	APP'D	
DESIGNED		DETAILED <i>C.E.M.</i>	QUANTITIES	TRACED
		DETAILER <i>E.E.F.</i>	SUB. 'N	TRACE 'K

STD. DOUBLE 10' SPAN CONC. BOX
IN CONNECTION WITH PAVING OF
BLUESTEM LANE DAKS 573071

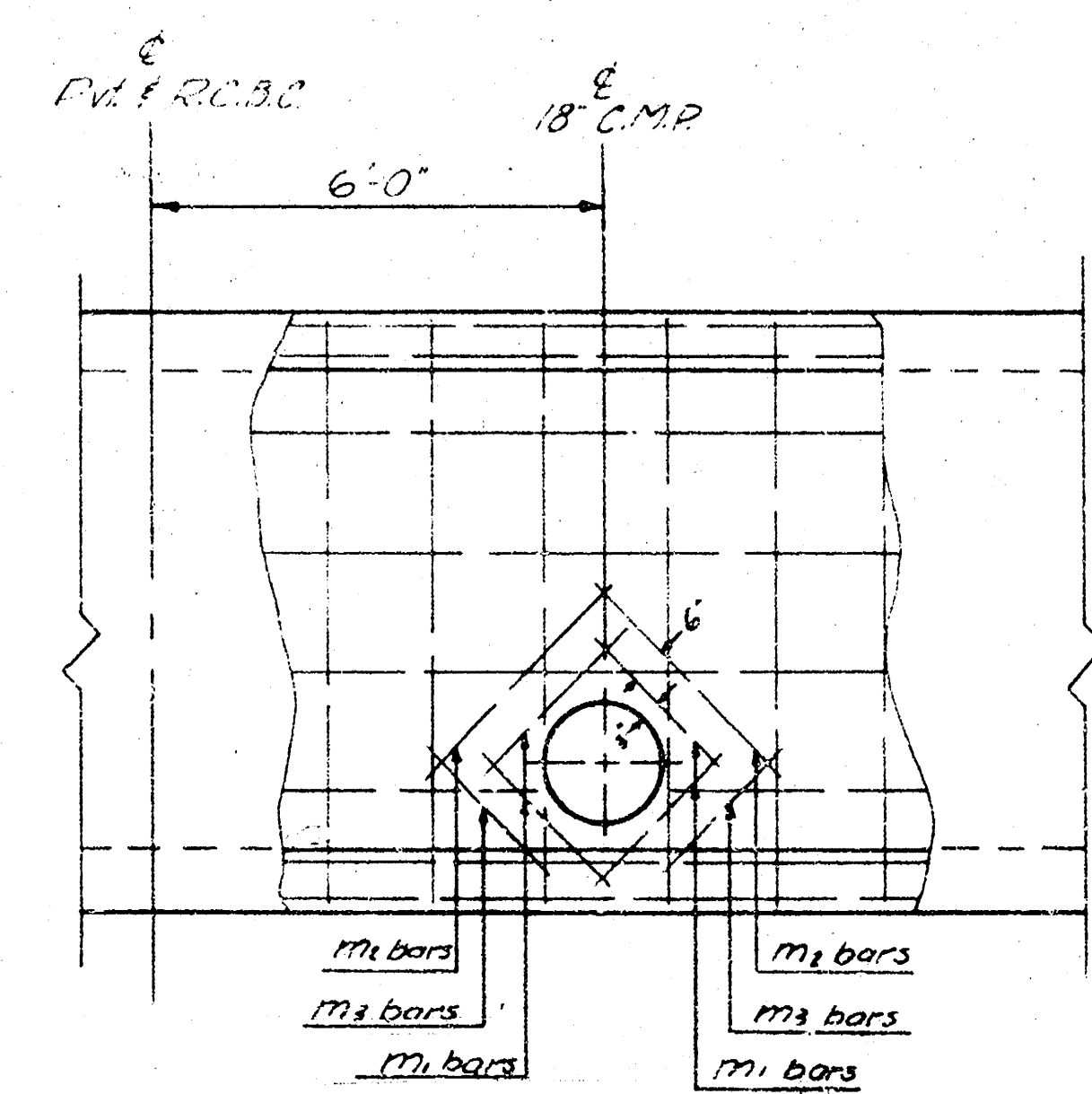
SHEET NO.	OF	SCALE	APP'D
DESIGNED	DETAILED	QUANTITIES	TRACED
DRAWN BY	DETAIL CK	QUAN. CK	TRACE CK



PLAN



SIDE ELEVATION



D-D

BILL OF MATERIALS		
ITEM	QUANTITY	UNIT
Class A AE Concrete	147.3	CY
Reinforcing Steel	15205	LBS
Hand Excavation	14.5	CY
Concrete Handrail	43.5	LF
Common Excavation	287.3	CY
Compacted Fill	128.6	CY
Borrow Excavation	122	CY
Class A Concrete	15.7	CY
2x5 Inlets	4	EA

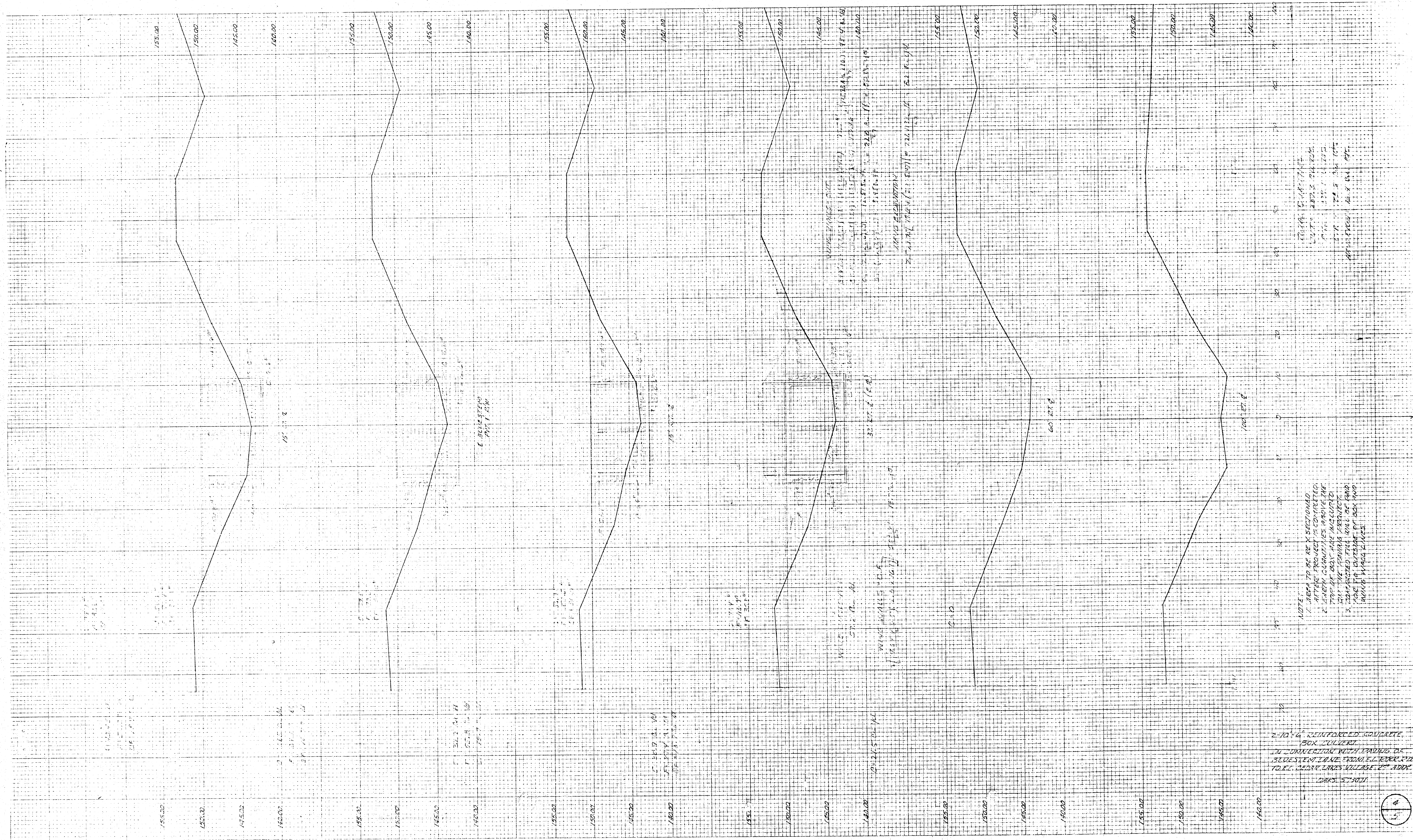
Lump Sum Bid

Bid Items

2-10x6' REINFORCED CONCRETE
BOX CULVERT
IN CONNECTION WITH PAVING OF
BLUESTEM LANE

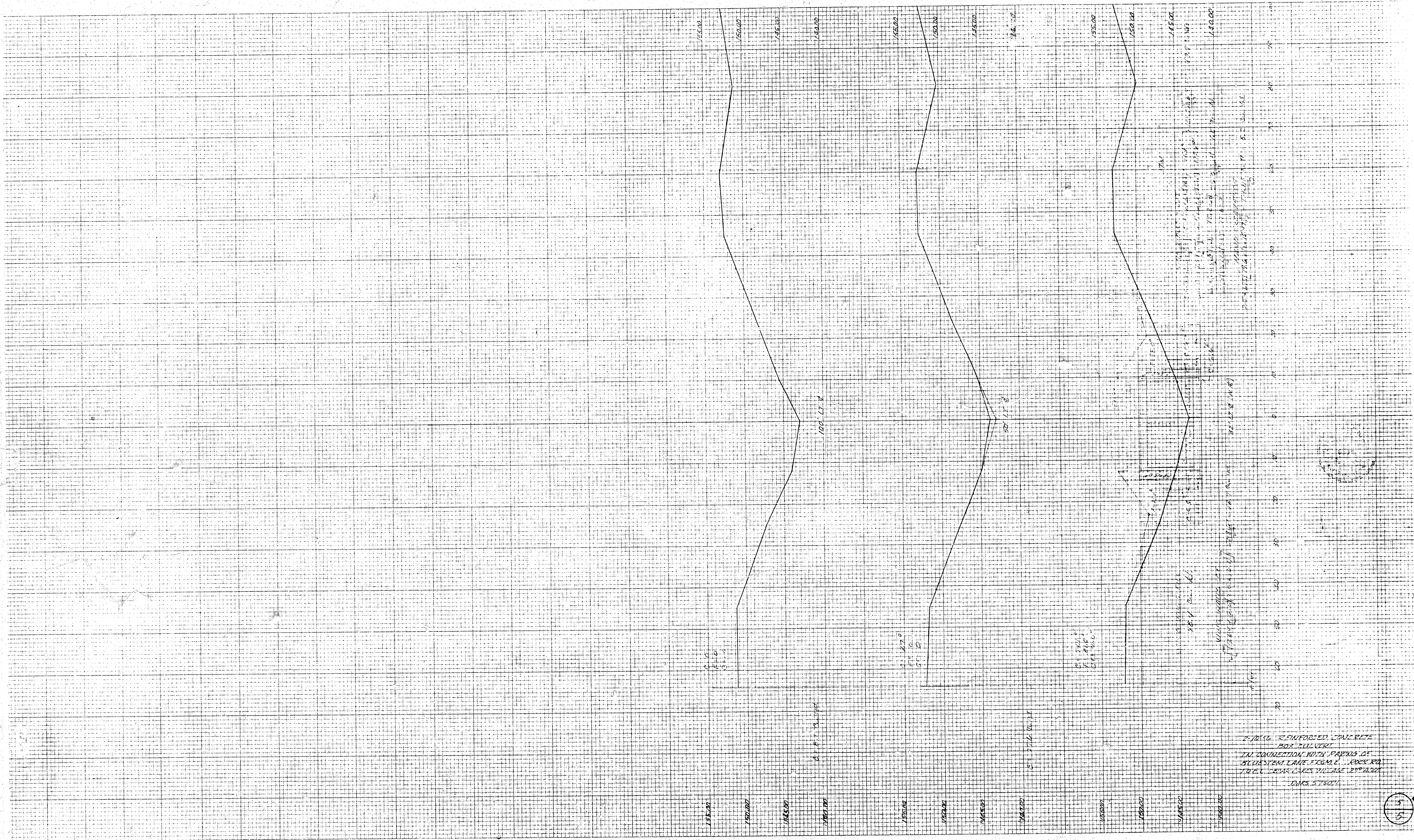
3
5

DAKS 573071



NOTE:
 1. DATA TO BE X SECTIONED
 2. AFTER PROPOSED CONSTRUCTION
 3. EXISTING GRADELINE AND CULVERT
 4. EXISTING FORMING STRUCTURE
 5. EXISTING FILL RAIL BE GRAD
 6. EXISTING EXTERIOR OF BOX AND
 7. EXISTING WALL LINES

2-10" 6" REINFORCED CONCRETE
 BOX CULVERT
 IN DIRECTION WITH LADING OF
 BLUESTONE LANE FROM E. RIVER RD
 TO E. CEDAR LANE VILLAGE 2ND ADDN
 DARS 575011



2. 10156 REINFORCED CONCRETE
BOX CULVERT
IN CONNECTION WITH PAVING OF
STATION LANE FORM 2. CROSS RO.
TO EL. 10156.00 (SEE 10156.00)