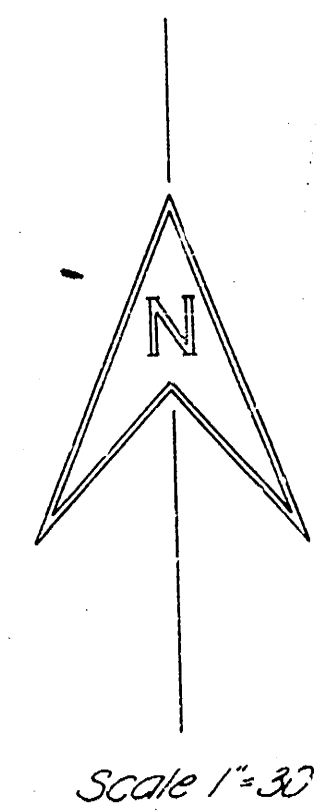
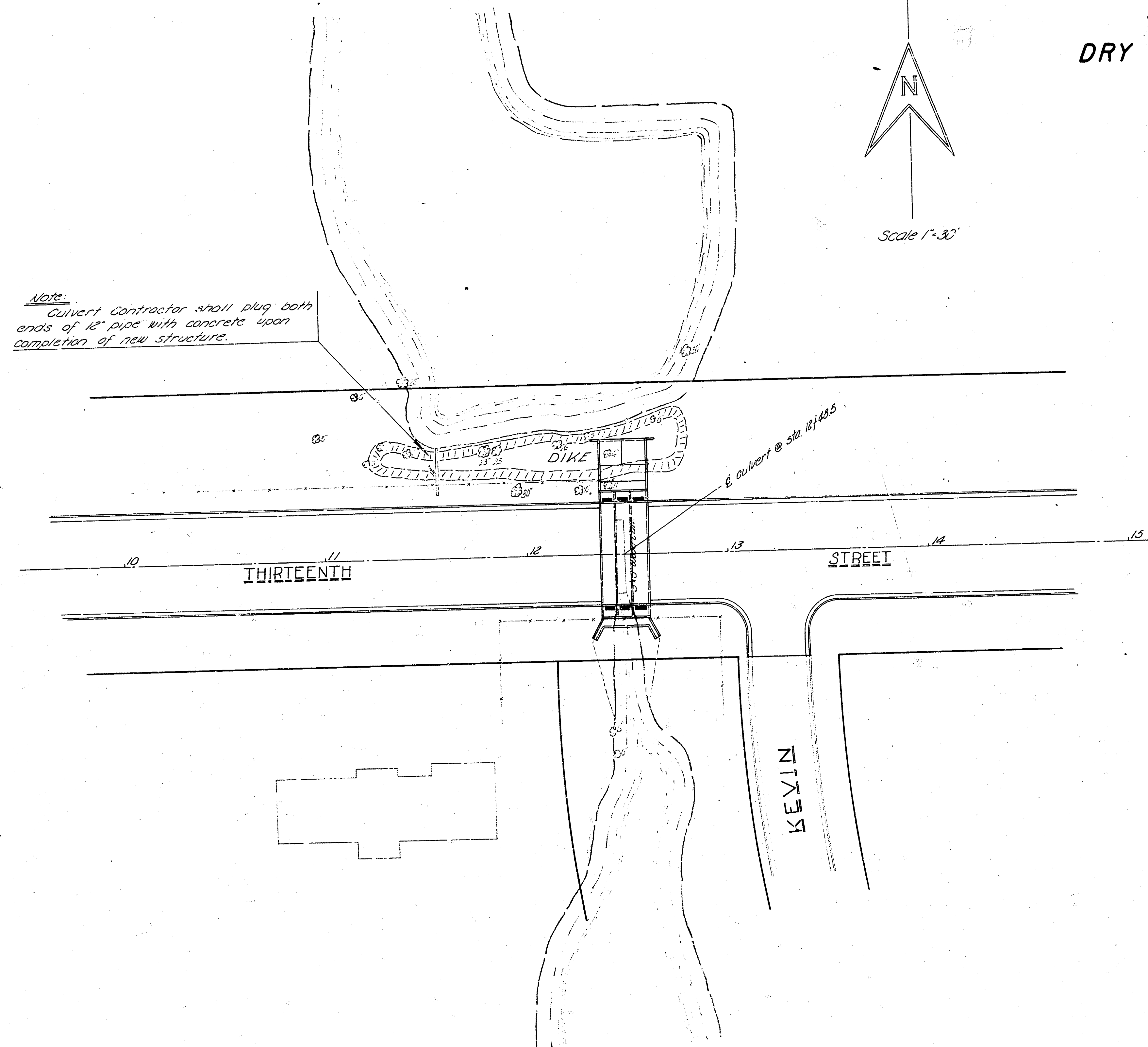


3-7'X4' R.C.B.C.
 DRY CREEK & THIRTEENTH ST.
 C11-37



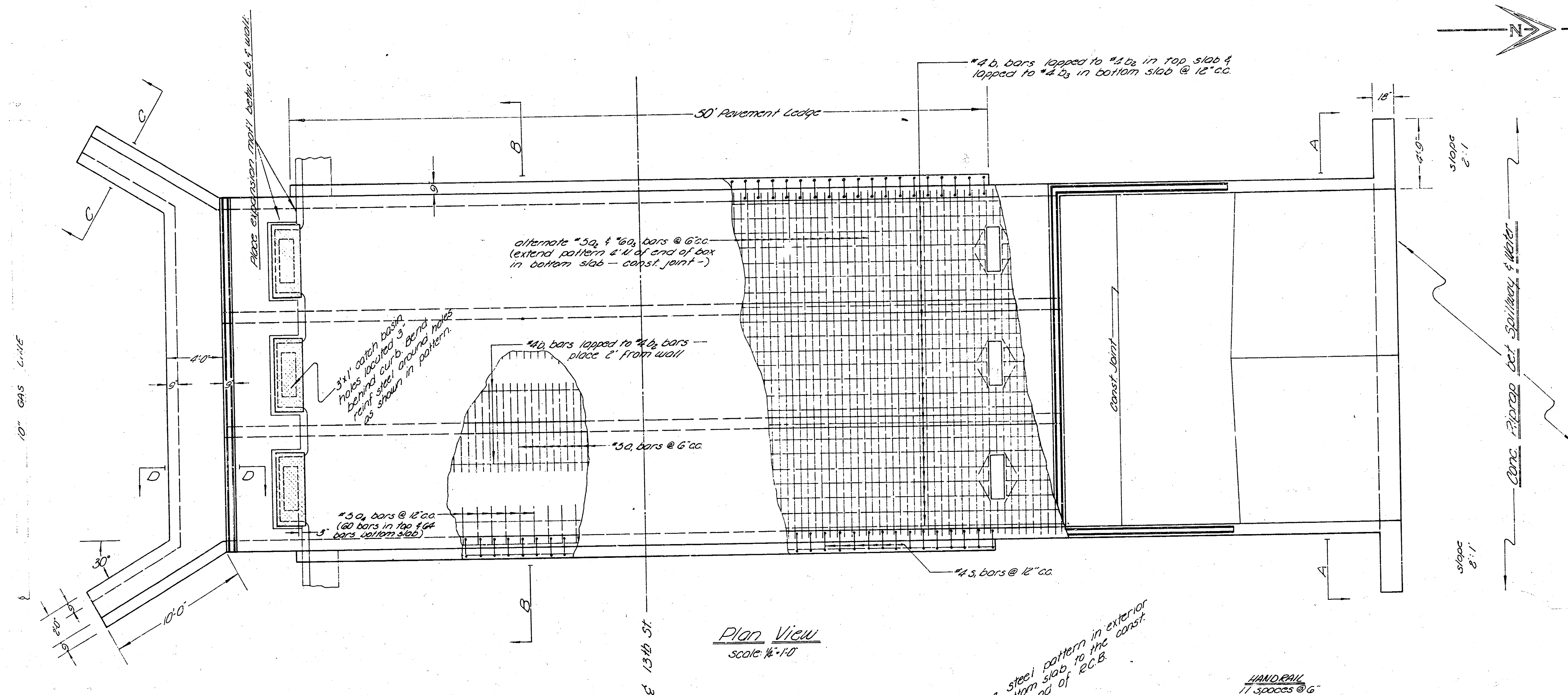
NOTE:
 Culvert Contractor shall plug both
 ends of 12" pipe with concrete upon
 completion of new structure.



BILL OF MATERIALS		
Item	Quantity	Units
Class A-46 Concrete	160.3	Cu. Yd.
Reinforcing Steel	19,894	Lbs.
Concrete Handrail	12.0	Lin. Ft.
Common Excavation	397.7	Cu. Yd.
Hand Excavation	6.1	Cu. Yd.
Compacted Fill	52.1	Cu. Yd.
4" Concrete Sidewalk	1620	Sq. Ft.
2'x3' Catch Basin Lid	6	Each
Paint Integral Curb	12.0	Lin. Ft.
Wooden Culvert Rem.	1	Lump Sum
Concrete Riprap	42.7	Sq. Yd.

3-7'X4' REINFORCED CONCRETE BOX
 CULVERT
LOCATION
 DRY CREEK & THIRTEENTH STREET
 CITY OF WICHITA, KANSAS
 B. E. SMITH CITY ENGINEER
 DATE JULY, 1962 PROJECT NO. C11-37

1

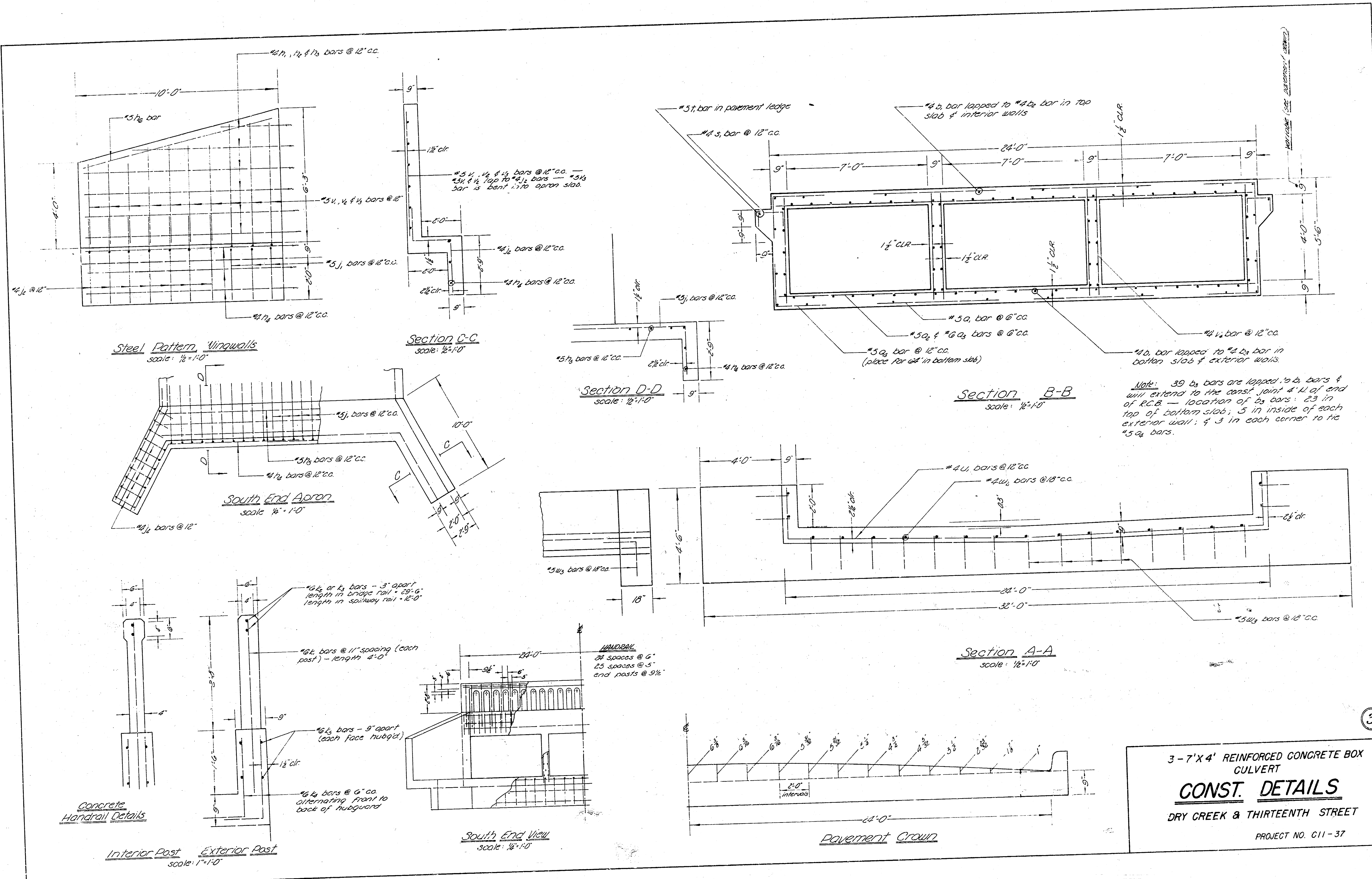
[illegible]

4#6 bars lapped to 4#4s in interior walls & lapped to 4#6s in exterior walls @ 12" o.c.

16" x 16" opening to be blocked out of sanitary walls at location as shown (for Water Disinfection)

Install 3#6 anchor bars (furnished by Wichita Water Dept.) to be lapped to existing wall at base of pier

3-7'X4' REINFORCED CONCRETE BOX
CULVERT
PLAN & PROFILE
DRY CREEK & THIRTEENTH STREET
PROJECT NO. C11-37



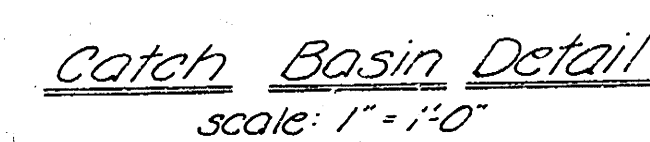
3

3-7'X4' REINFORCED CONCRETE BOX
CULVERT

CONST. DETAILS

DRY CREEK & THIRTEENTH STREET

PROJECT NO. C11-37



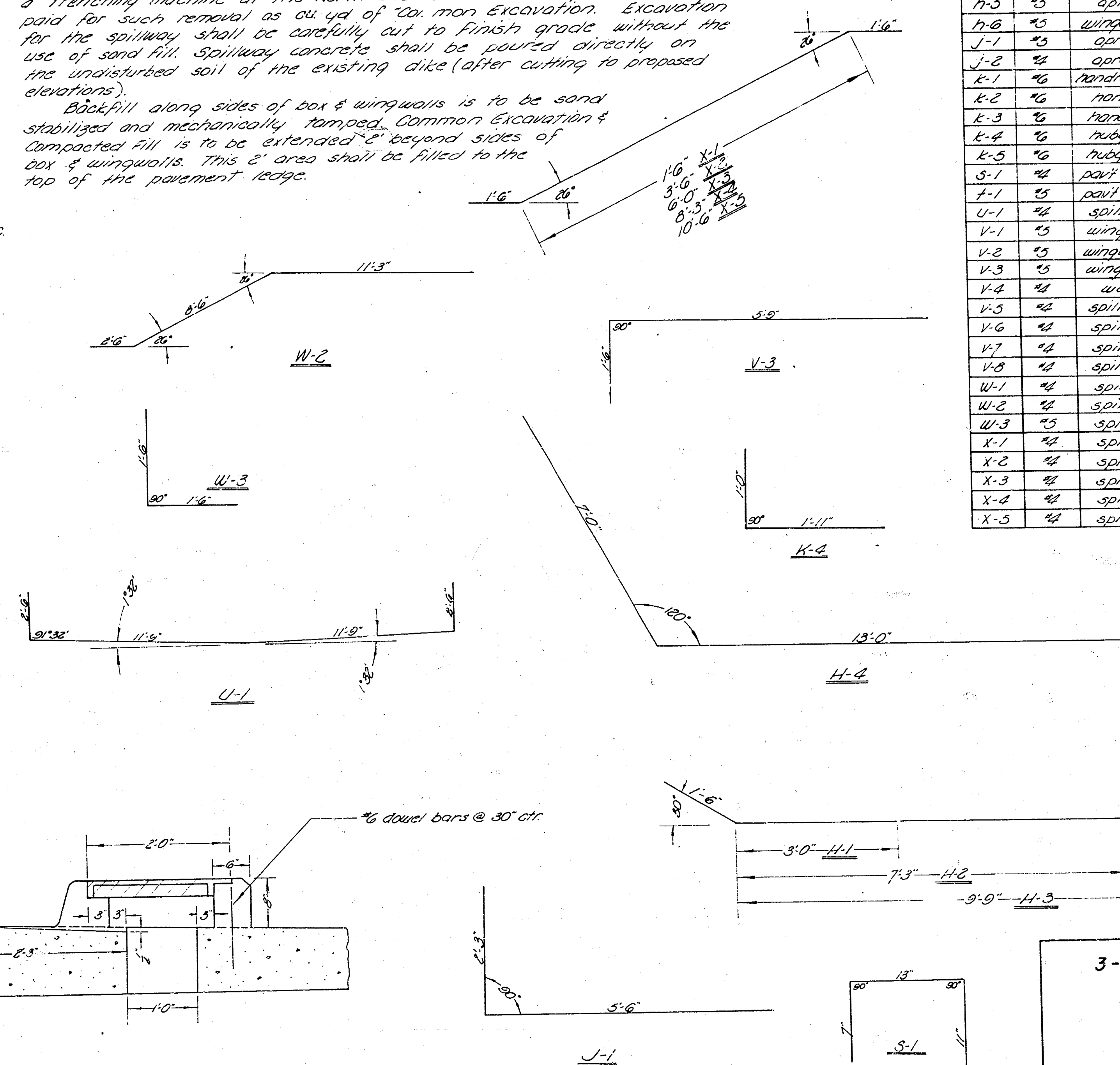
General Notes:

General Notes:
Class A-A6 concrete shall be used throughout this project. All reinforcing steel shall conform to ASTM specifications A 305-33T for new intermediate grade steel bars of deformed section.
The bridge contractor shall remove & dispose of the existing wooden culvert. Removal of any trees & bushes shall be considered as incidental to culvert removal and will be bid as a lump sum quantity. All materials to be removed from the job site between internal

quantity. All materials to be reinforced with #4 concrete sidewalk shall cover the entire area between integral curb & hubgrd. Bid price for sidewalk shall include sand fill between top of box & bottom of walk, 4" concrete sidewalk ledges, & cost of expansion joint between walk & integral curb. Cost of integral curb around catch basins is a separate bid item. Contractor may omit sand fill and pour as solid concrete if he so desires.

All earthwork shall be considered as "Common Excavation," except for the portion at the south end of the culvert. These two walls shall be bid as hand excavation. The contractor will desire to use a trenching machine at the north end of the gateway and will be paid for such removal as usual of common excavation. Excavation for the gateway shall be by hand excavation. Concrete without the use of sand will be poured. Concrete shall be poured directly on the undisturbed soil of the existing dike (after cutting to proposed elevations).

Backfill along sides of box & wingwalls is to be sand stabilized and mechanically tamped. Common Excavation & Compacted Fill is to be extended 2' beyond sides of box & wingwalls. This 2' area shall be filled to the top of the pavement ledge.



Bar	Size	Location	No.	Length	Shape	Spac.	Nt.
A-1	#5	slab	380	6'-0"	—	6"	3224
A-2	#5	slab	122	23'-6"	—	6"	3039
A-3	#6	slab	122	23'-6"	—	6"	4377
A-4	#5	slab & walls	248	4'-6"	—	12"	1168
B-1	#4	slab & walls	96	40'-0"	—	12"	2565
B-2	#4	slab & walls	57	2'-0"	—	12"	900
B-3	#4	slab & walls	39	25'-0"	—	12"	631
B-4	#4	spillyway	4	28'-0"	—	12"	44
H-1	#4	wingwalls	2	4'-6"	—	12"	6
H-2	#4	wingwalls	2	2'-9"	—	12"	12
H-3	#4	wingwalls	3	11'-3"	—	12"	60
H-4	#4	curtain wall	6	20'-0"	—	12"	80
H-5	#5	apron	3	24'-0"	—	12"	73
H-6	#5	wingwalls	2	9'-9"	—	12"	20
J-1	#4	apron	23	7'-9"	—	12"	186
J-2	#4	apron	14	5'-0"	—	12"	54
K-1	#6	handrail post	82	4'-0"	—	11"	493
K-2	#6	handrail	4	23'-6"	—	3"	14
K-3	#6	handrail	4	12'-0"	—	3"	42
K-4	#6	rubguard	96	2'-11"	—	6"	76
K-5	#6	rubguard	8	23'-6"	—	9"	282
S-1	#4	post ledge	100	2'-7"	—	12"	173
F-1	#5	post ledge	4	23'-5"	—	12"	105
U-1	#4	spillyway	12	22'-6"	—	12"	228
V-1	#5	wingwalls	6	3'-9"	—	12"	23
V-2	#5	wingwalls	8	4'-6"	—	12"	37
V-3	#5	wingwalls	6	7'-3"	—	12"	45
V-4	#4	walls	360	3'-0"	—	12"	1208
V-5	#4	spillyway	4	3'-0"	—	12"	16
V-6	#4	spillyway	4	4'-0"	—	12"	13
V-7	#4	spillyway	4	3'-0"	—	12"	10
V-8	#4	spillyway	4	2'-0"	—	12"	6
W-1	#4	spillyway	8	23'-6"	—	12"	196
W-2	#4	spillyway	15	22'-5"	—	18"	223
W-3	#5	spillyway	19	3'-0"	—	18"	39
X-1	#4	spillyway	2	4'-6"	—	12"	6
X-2	#4	spillyway	2	6'-6"	—	12"	9
X-3	#4	spillyway	2	9'-0"	—	12"	12
X-4	#4	spillyway	2	11'-3"	—	12"	15
X-5	#4	spillyway	2	13'-6"	—	12"	19

3-7'X4' REINFORCED CONCRETE BOX
CULVERT
BAR DETAILS
DRY CREEK & THIRTEENTH STREET

PROJECT NO. CII-37