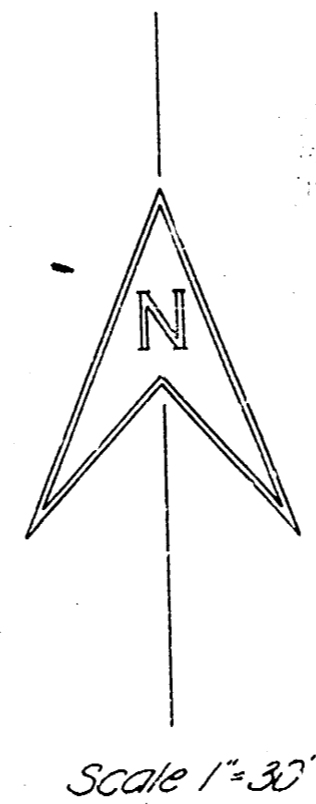
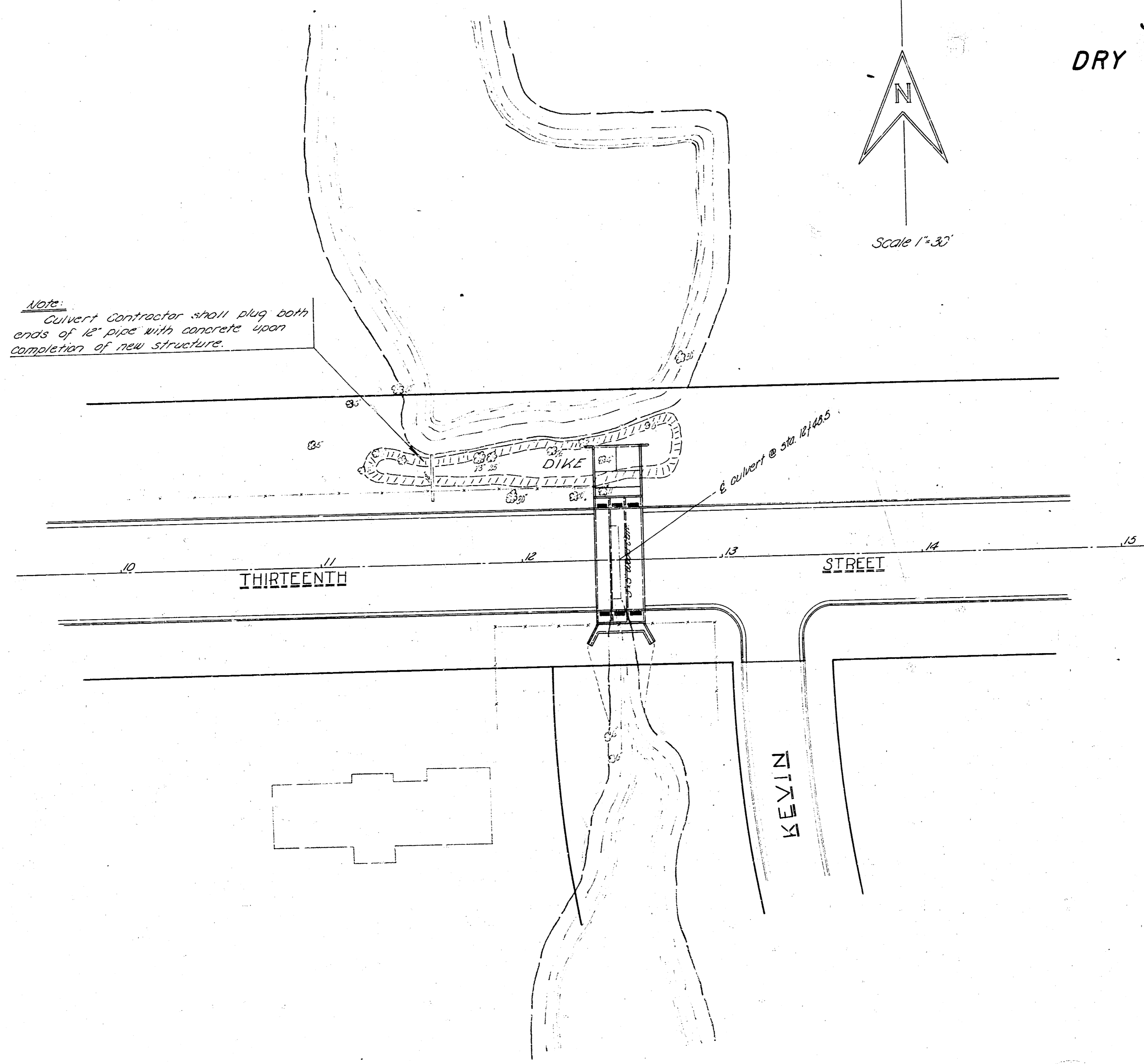


3-7'X4' R.C.B.C.
 DRY CREEK & THIRTEENTH ST.
 C11-37



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

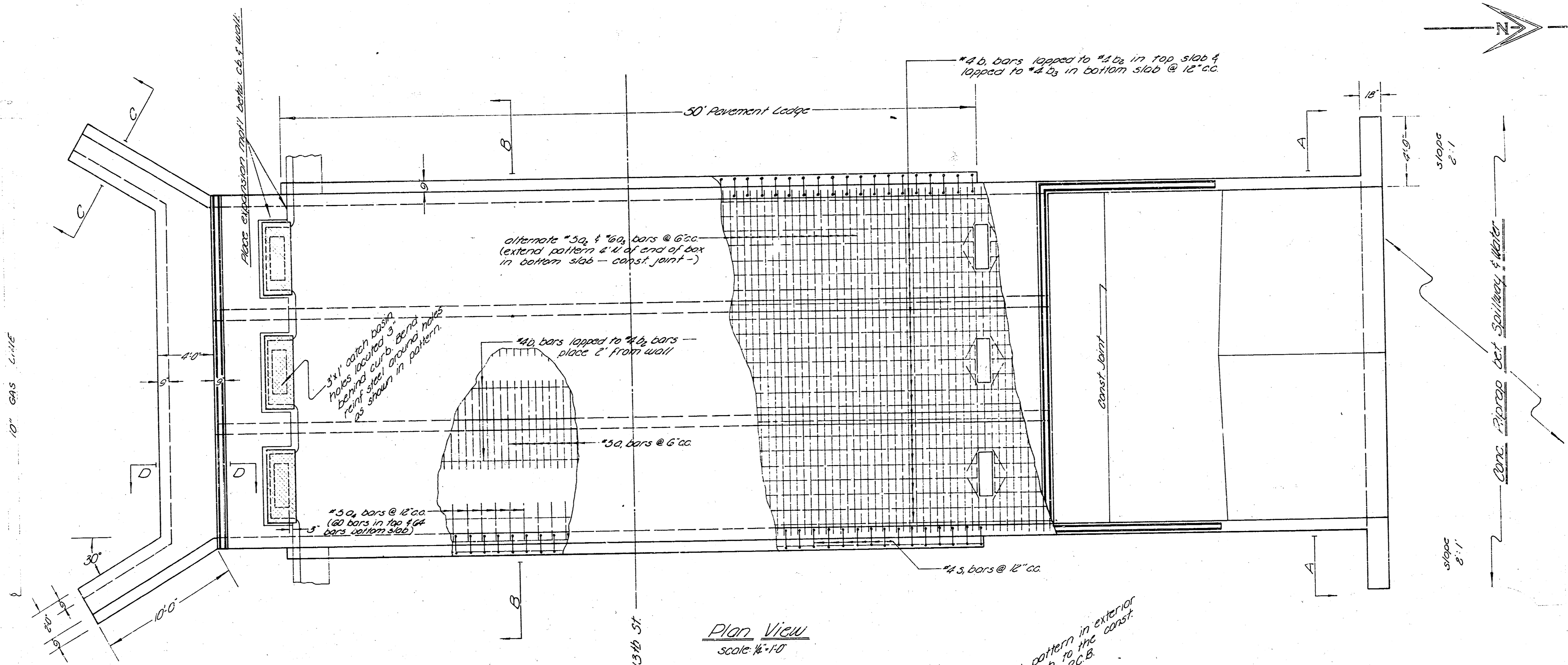


BILL OF MATERIALS		
Item	Quantity	Units
Class A-AE Concrete	160.5	Cu. Yd.
Reinforcing Steel	19,894	Lbs.
Concrete Handrail	12.0	Lin. Ft.
Common Excavation	397.7	Cu. Yd.
Hand Excavation	5.1	Cu. Yd.
Compacted Fill	521	Cu. Yd.
4" Concrete Sidewalk	1620	Sq. Ft.
2'x3' Catch Basin Lid	6	Each
Paint, Integral Curb	12.0	Lin. Ft.
Wooden Culvert Rem.	1	Lump Sum
Concrete Ewrap	427	Sq. Yd.

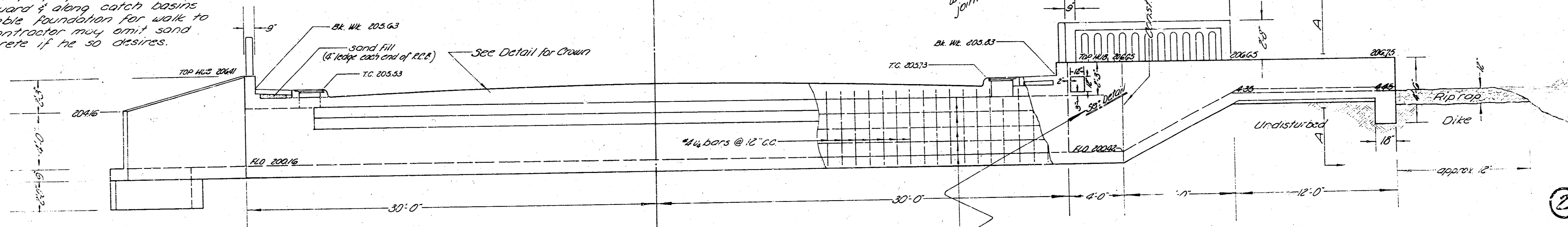
3-7'X4' REINFORCED CONCRETE BOX
 CULVERT
LOCATION
 DRY CREEK & THIRTEENTH STREET
 CITY OF WICHITA, KANSAS
 B. E. SMITH CITY ENGINEER
 DATE: JULY, 1962 PROJECT NO. C11-37

①

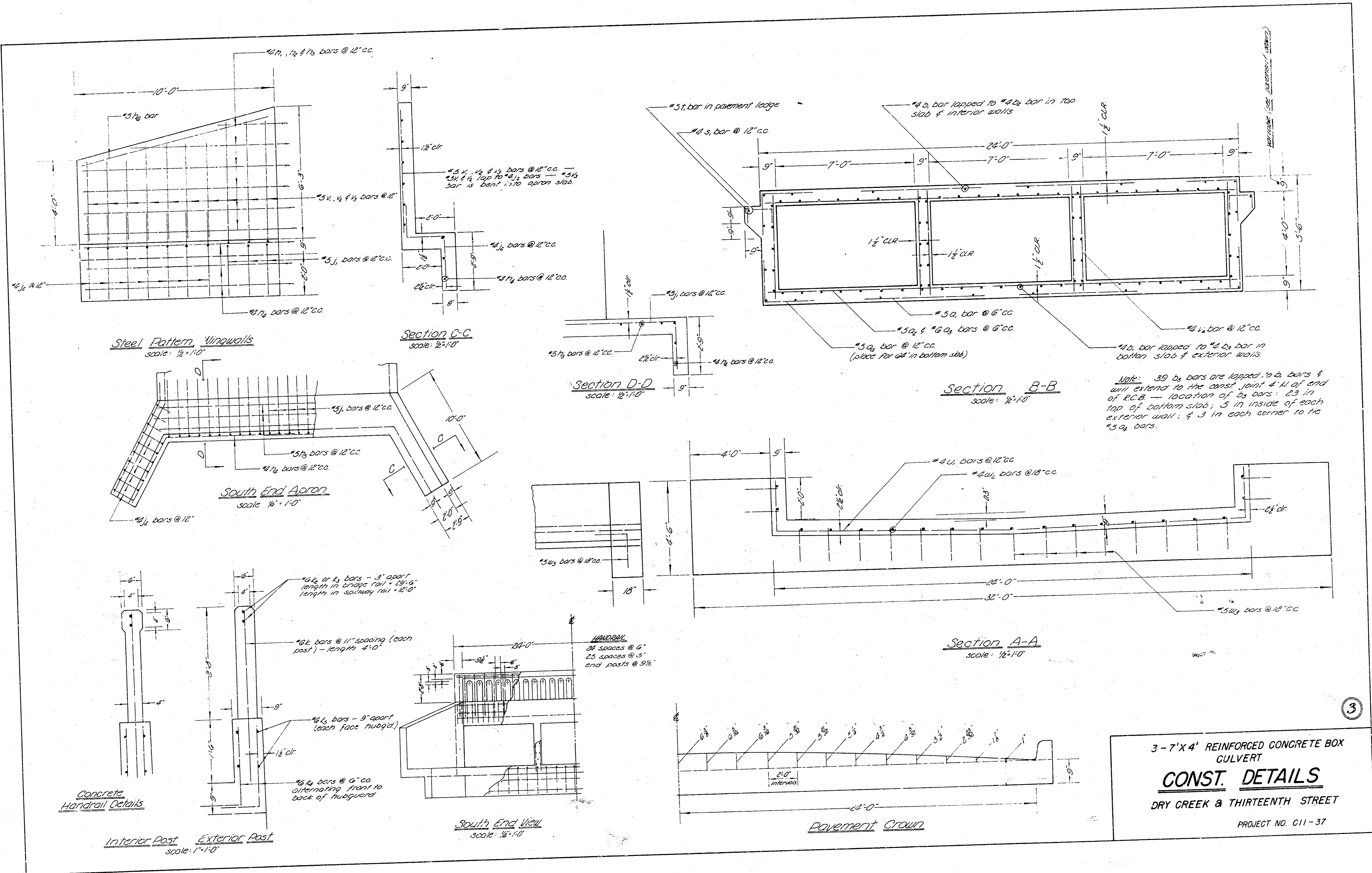
USE CAUTION WHEN WORKING NEAR GAS LINE



sidewalk note:
Construct a 4" concrete sidewalk from back of curb to face of hubguard on each end of R.C.B. Sand fill area between walk & top of box. Const. a 4" walk ledge in front of hubguard & along catch basins and curb to provide a stable foundation for walk to be placed upon. Bridge contractor may omit sand fill and pour as solid concrete if he so desires.

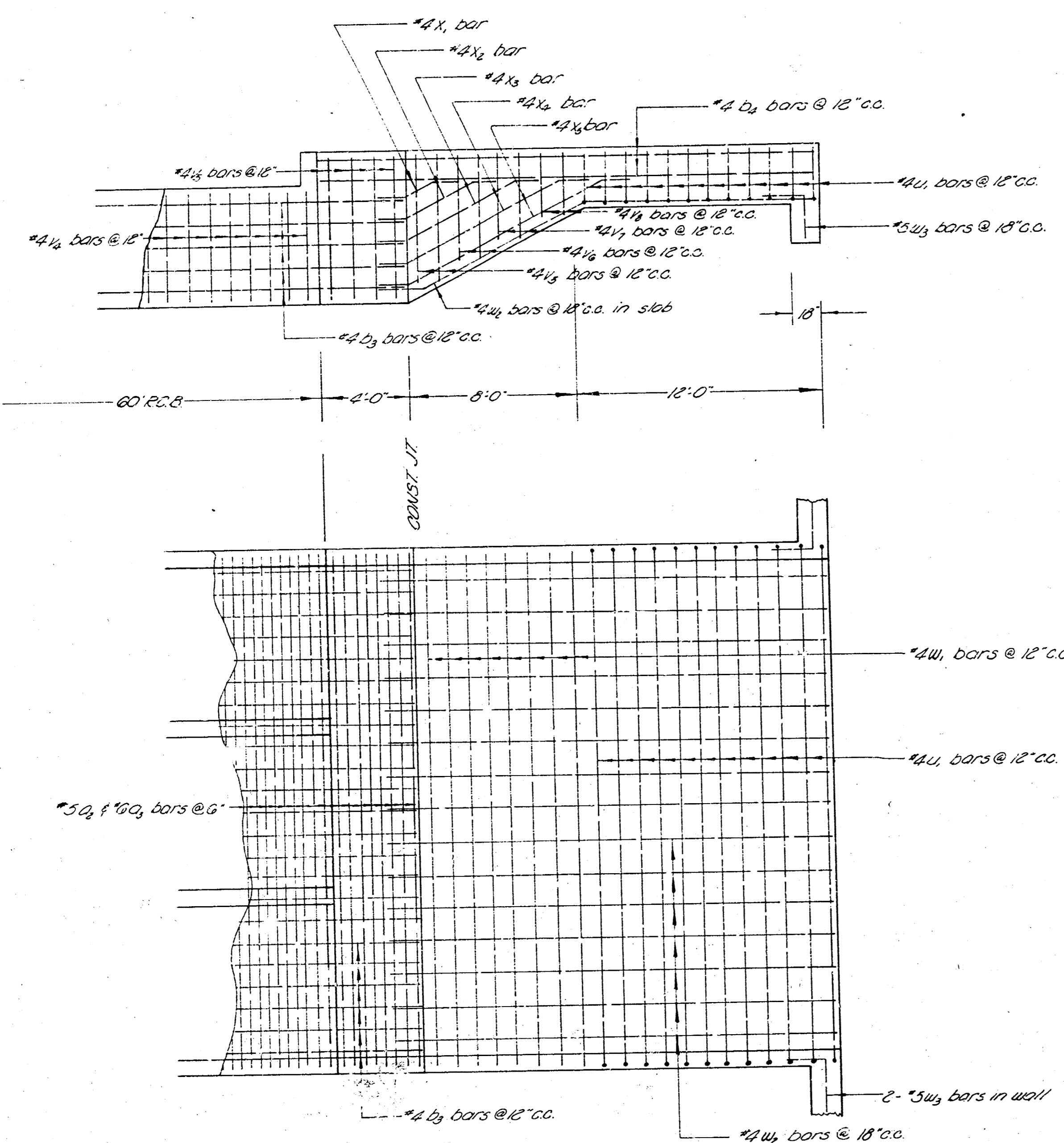


3-7'x4' REINFORCED CONCRETE BOX CULVERT
PLAN & PROFILE
DRY CREEK & THIRTEENTH STREET
PROJECT NO. C11-37



③

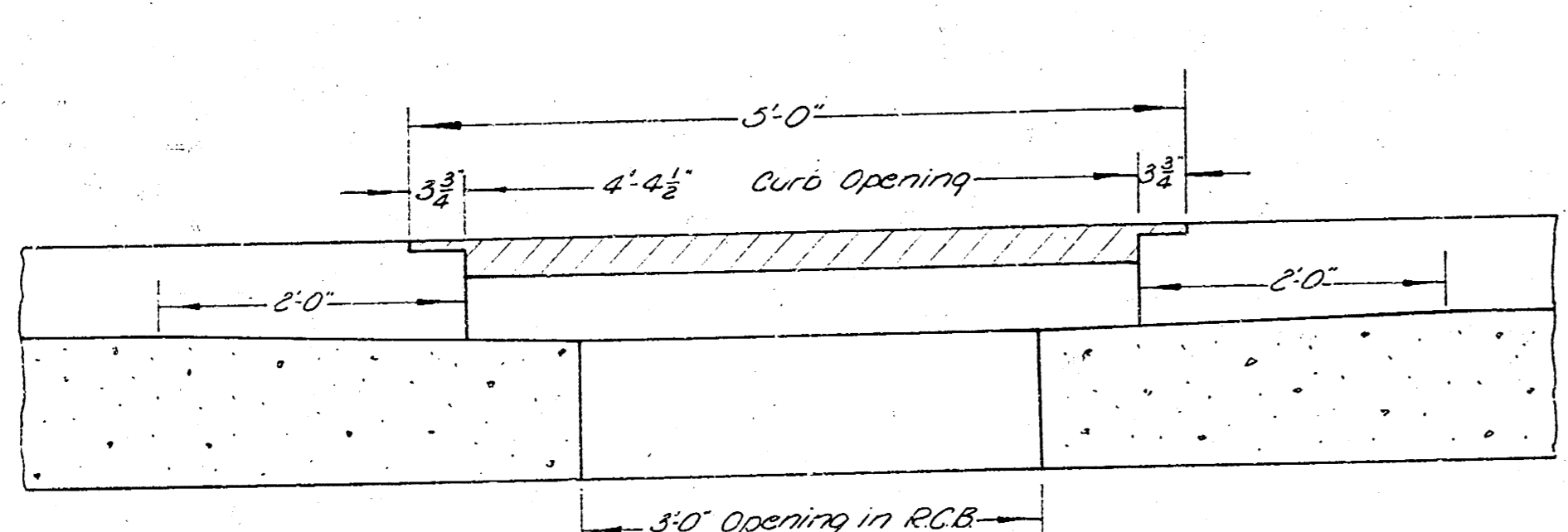
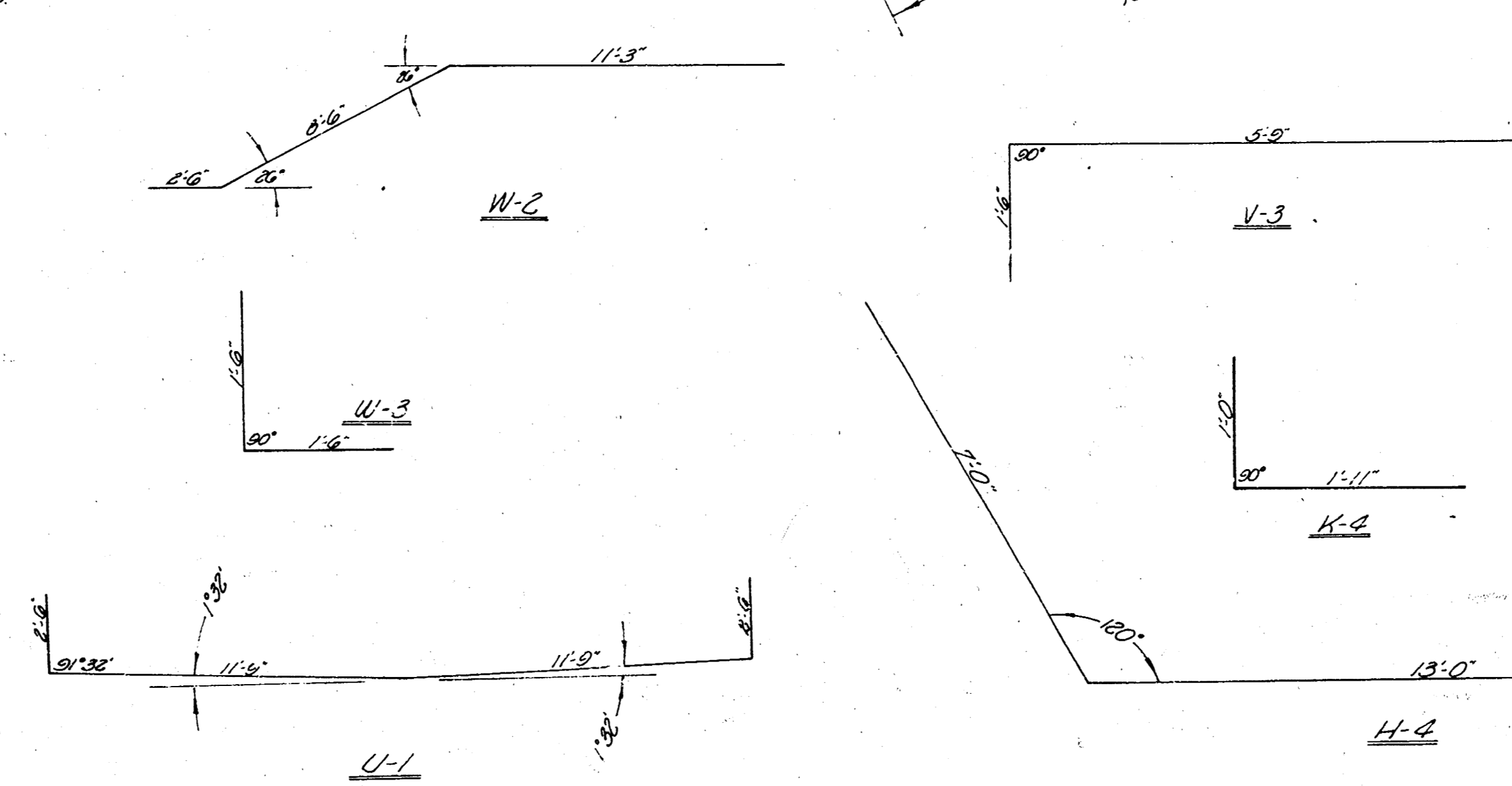
3-7' X 4' REINFORCED CONCRETE BOX
CULVERT
CONST. DETAILS
DRY CREEK & THIRTEENTH STREET
PROJECT NO. C11-37



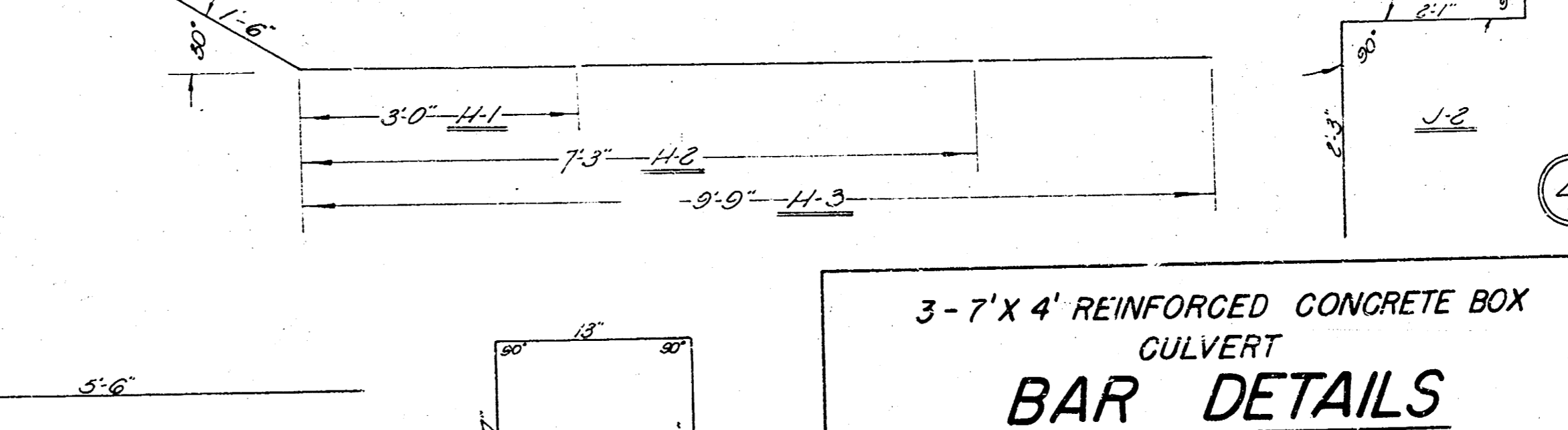
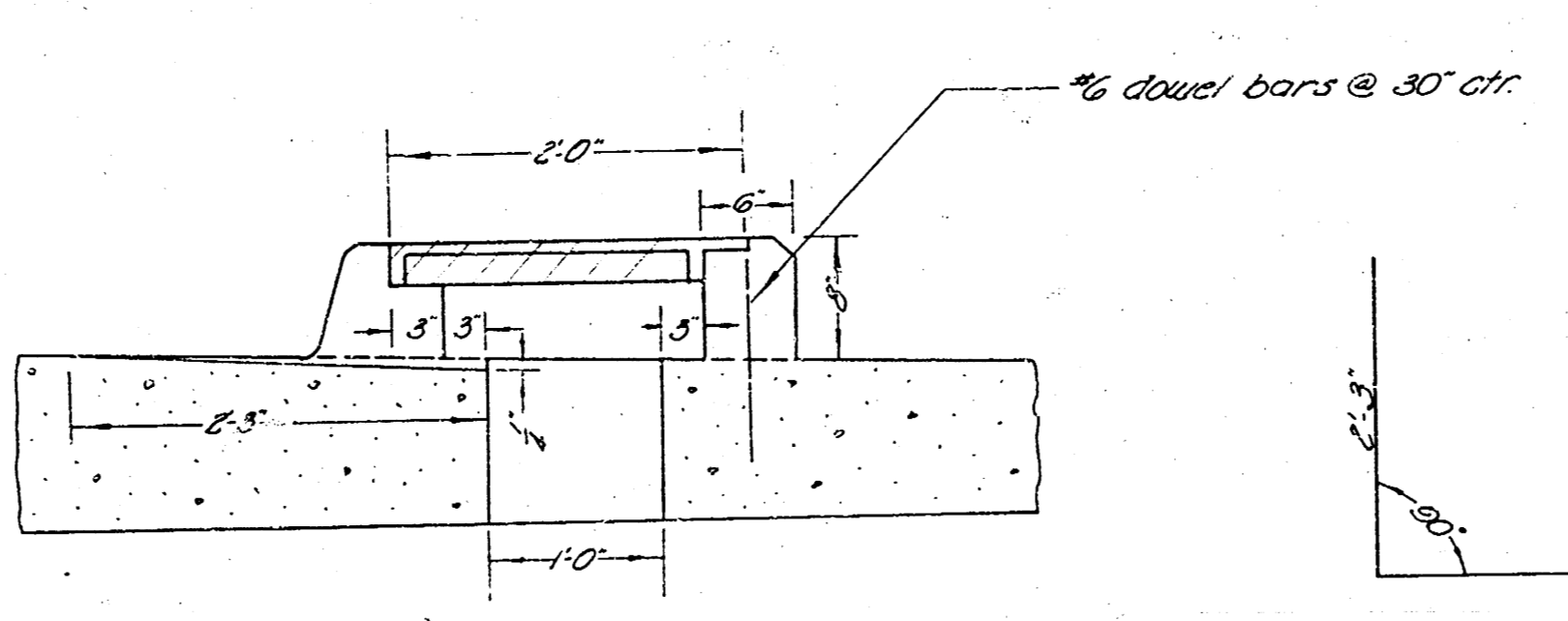
Spillway Steel
scale: 1/4" = 1'-0"

General Notes:
 Class A-AC concrete shall be used throughout this project. All reinforcing steel shall conform to ASTM specifications A 305-53T 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.
 4" concrete sidewalk shall cover the entire area between integral curb & hubguard. 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 toe walls at the south end of the culvert. These toe walls shall be bid as "hand excavation". The contractor will desire to use a trenching machine at the north end of the spillway and will be paid for such removal as duval of box from excavation. Excavation paid for such removal shall be carefully cut to finish grade without the use of sand fill. Spillway 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 SCHEDULE						
Bar	Size	Location	No.	Length	Shape	Wt
O-1	#3	slab	280	6'-0"		3004
O-2	#3	slab	182	23'-6"		3039
O-3	#6	slab	122	23'-6"		4377
O-4	#3	slab & walls	288	2'-6"		1164
D-1	#4	slab & walls	56	20'-0"		2565
D-2	#4	slab & walls	57	21'-0"		260
D-3	#4	slab & walls	59	25'-0"		651
D-4	#4	spillway	2	28'-0"		12
H-1	#4	wingwalls	2	8'-6"		6
H-2	#4	wingwalls	2	8'-9"		12
H-3	#4	wingwalls	3	11'-3"		60
H-4	#4	curtain wall	6	20'-0"		80
H-5	#3	apron	3	24'-0"		75
H-6	#3	wingwalls	2	9'-9"		20
J-1	#3	apron	23	7'-9"		186
J-2	#4	apron	14	5'-0"		54
K-1	#6	handrail post	22	4'-0"		293
K-2	#6	handrail	4	23'-6"		141
K-3	#6	handrail	4	2'-0"		12
K-4	#6	hubguard	96	2'-11"		421
K-5	#6	hubguard	8	23'-6"		282
S-1	#4	pav. ledge	100	2'-7"		173
T-1	#3	pav. ledge	4	25'-3"		105
U-1	#4	spillway	12	28'-6"		228
V-1	#3	wingwalls	6	3'-9"		23
V-2	#3	wingwalls	3	4'-6"		37
V-3	#3	wingwalls	6	7'-3"		40
V-4	#4	walls	360	3'-0"		1202
V-5	#2	spillway	4	5'-0"		16
V-6	#4	spillway	4	4'-10"		13
V-7	#4	spillway	4	3'-10"		17
V-8	#4	spillway	4	2'-10"		8
W-1	#4	spillway	3	23'-6"		126
W-2	#4	spillway	15	22'-3"		223
W-3	#5	spillway	19	3'-0"		59
X-1	#4	spillway	2	4'-6"		6
X-2	#4	spillway	2	6'-6"		9
X-3	#4	spillway	2	9'-0"		12
X-4	#4	spillway	2	11'-3"		15
X-5	#4	spillway	2	13'-6"		18



Catch Basin Detail
scale: 1" = 1'-0"



3-7' X 4' REINFORCED CONCRETE BOX
 CULVERT
BAR DETAILS
 DRY CREEK & THIRTEENTH STREET
 PROJECT NO. C11-37