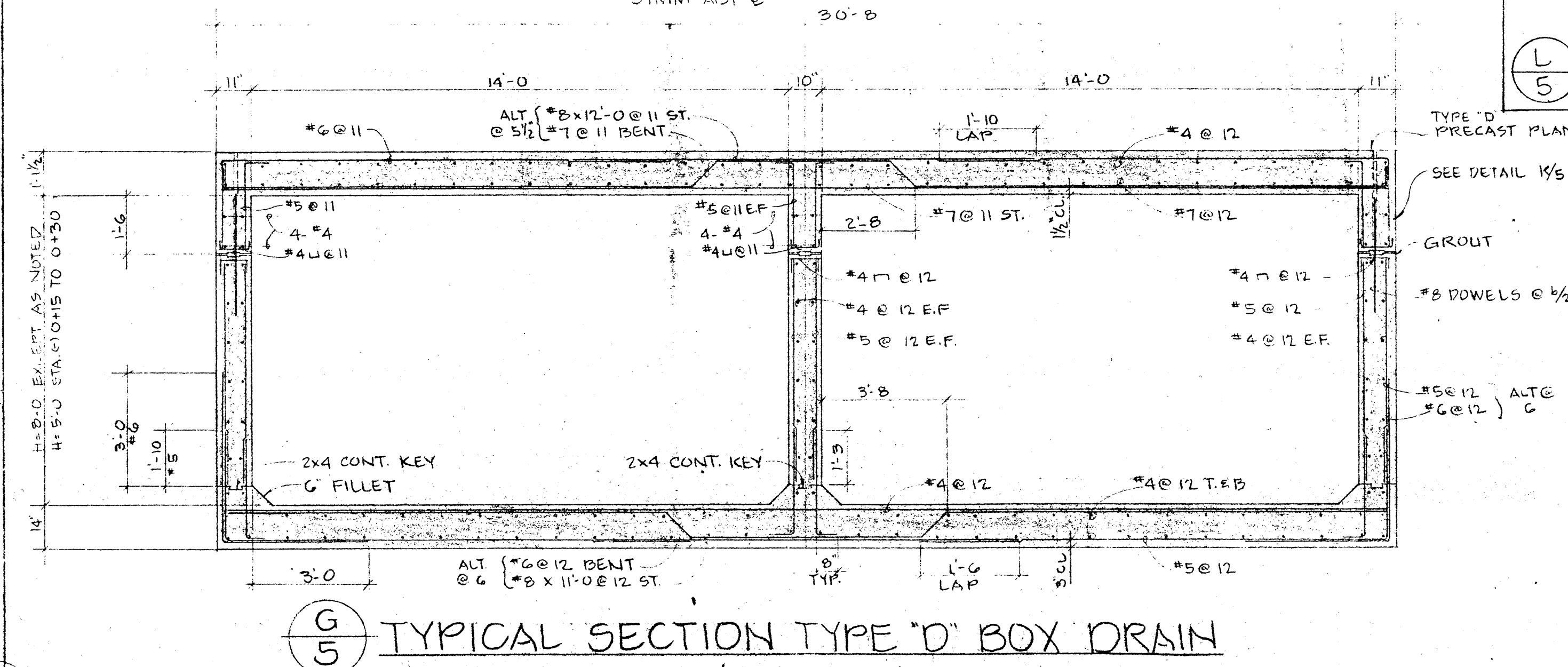
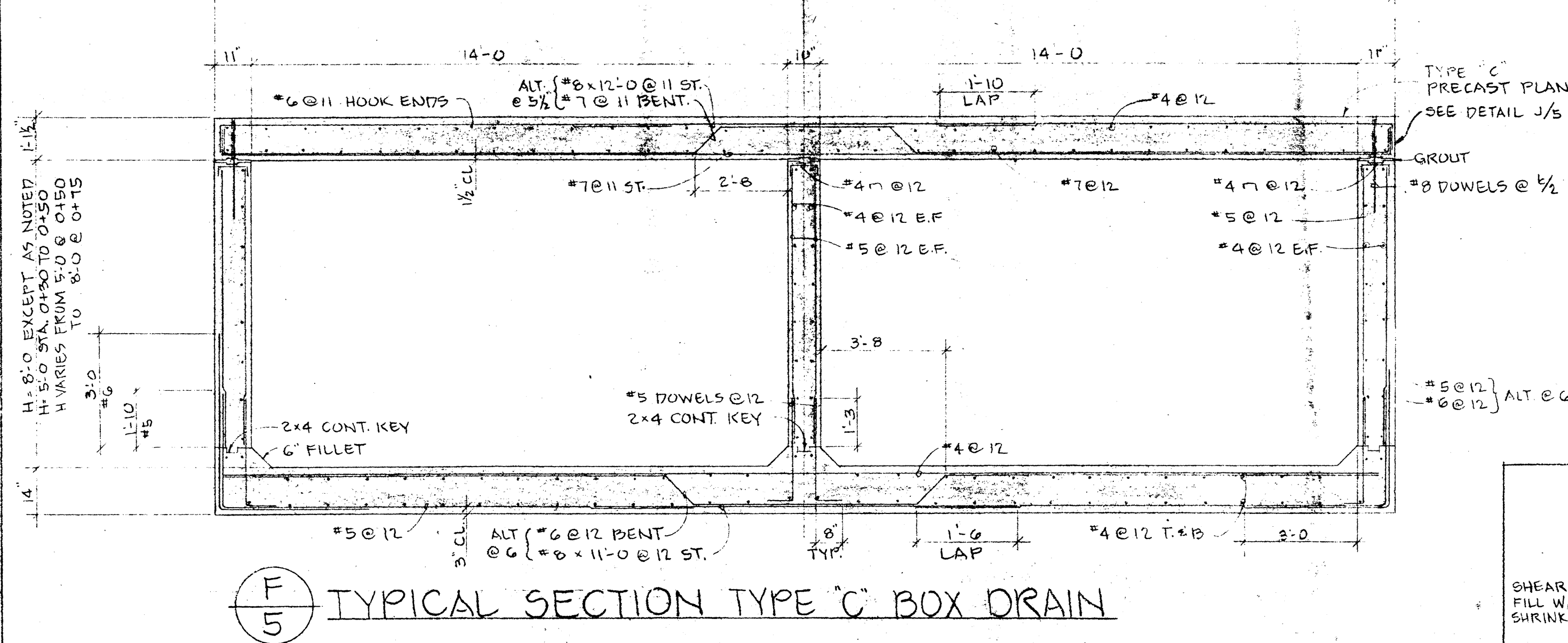
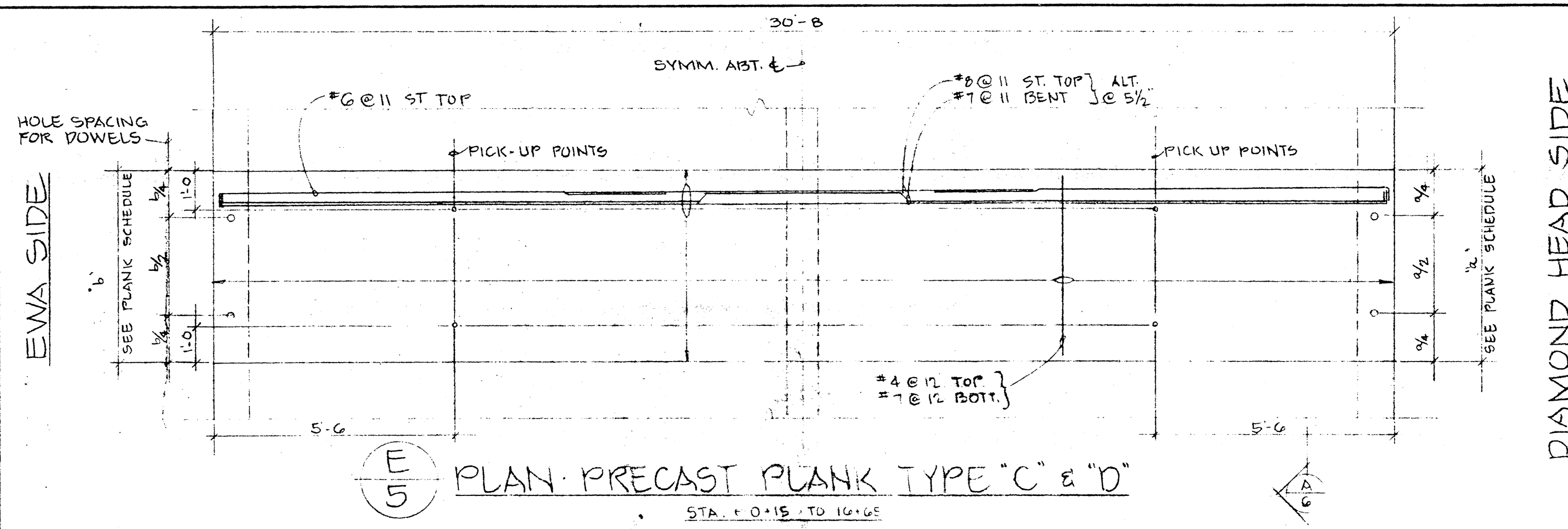
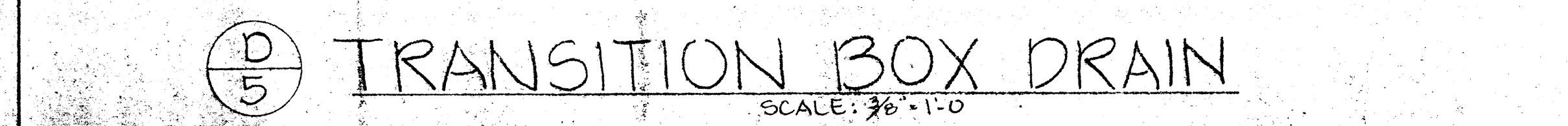
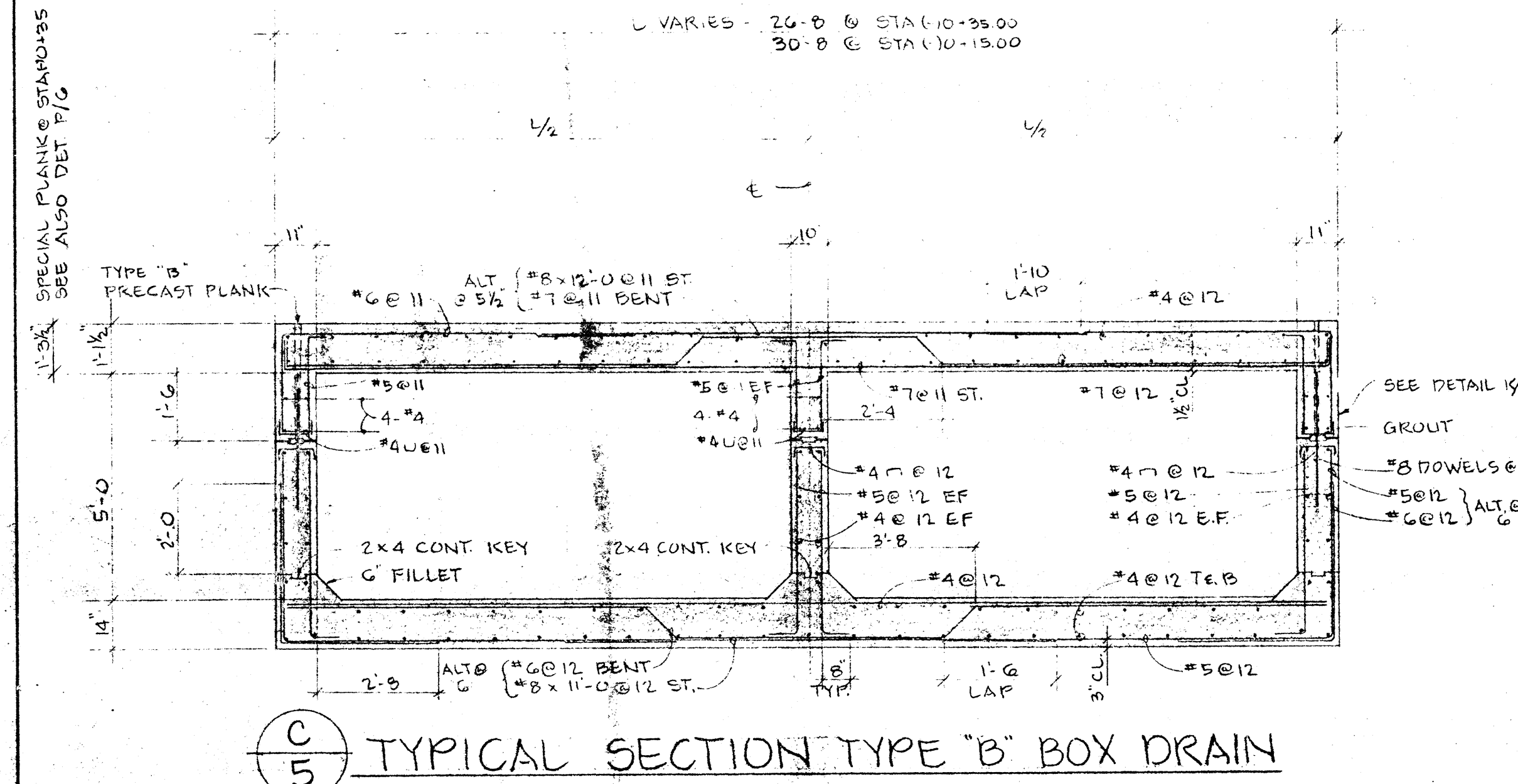
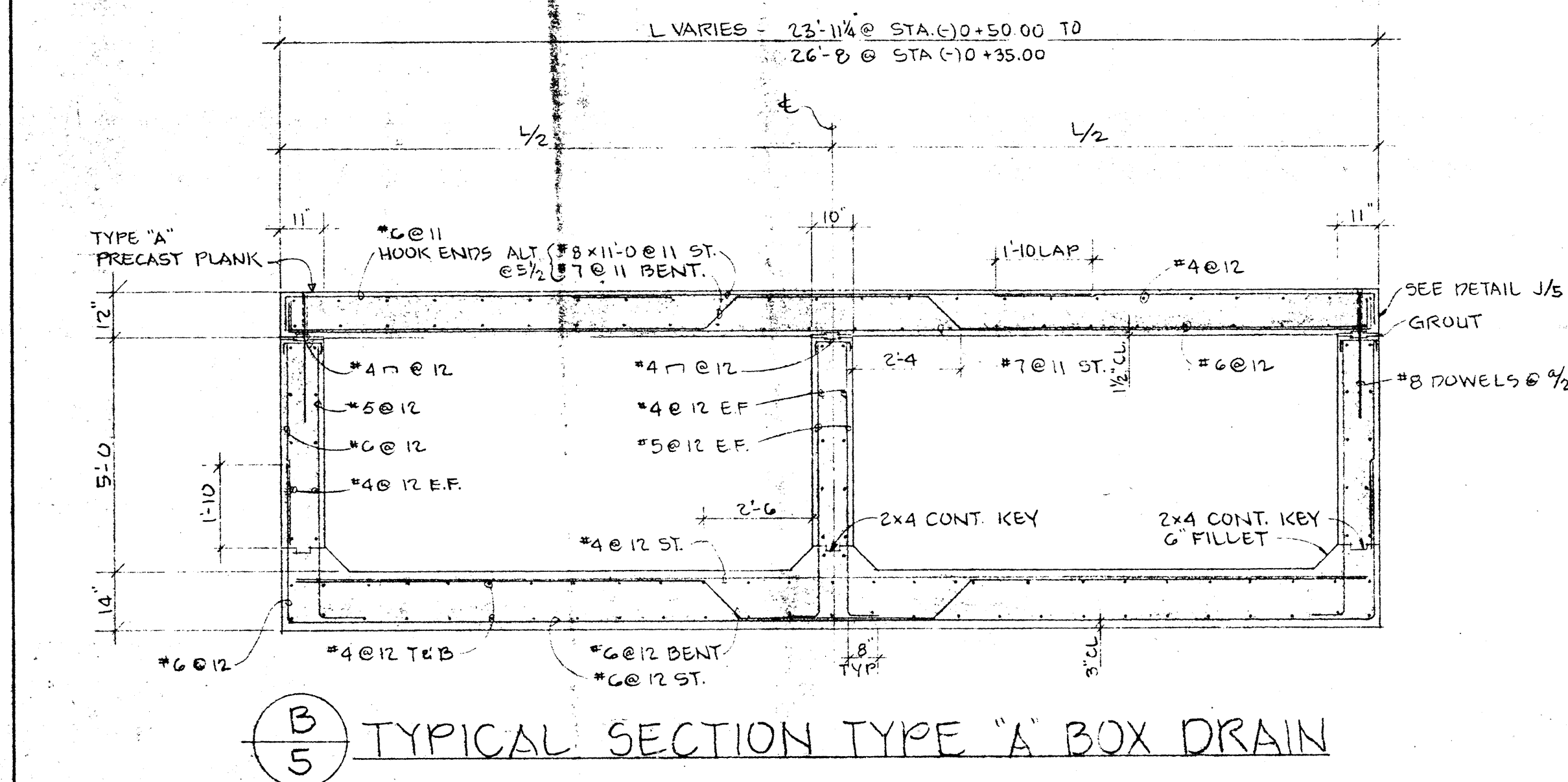
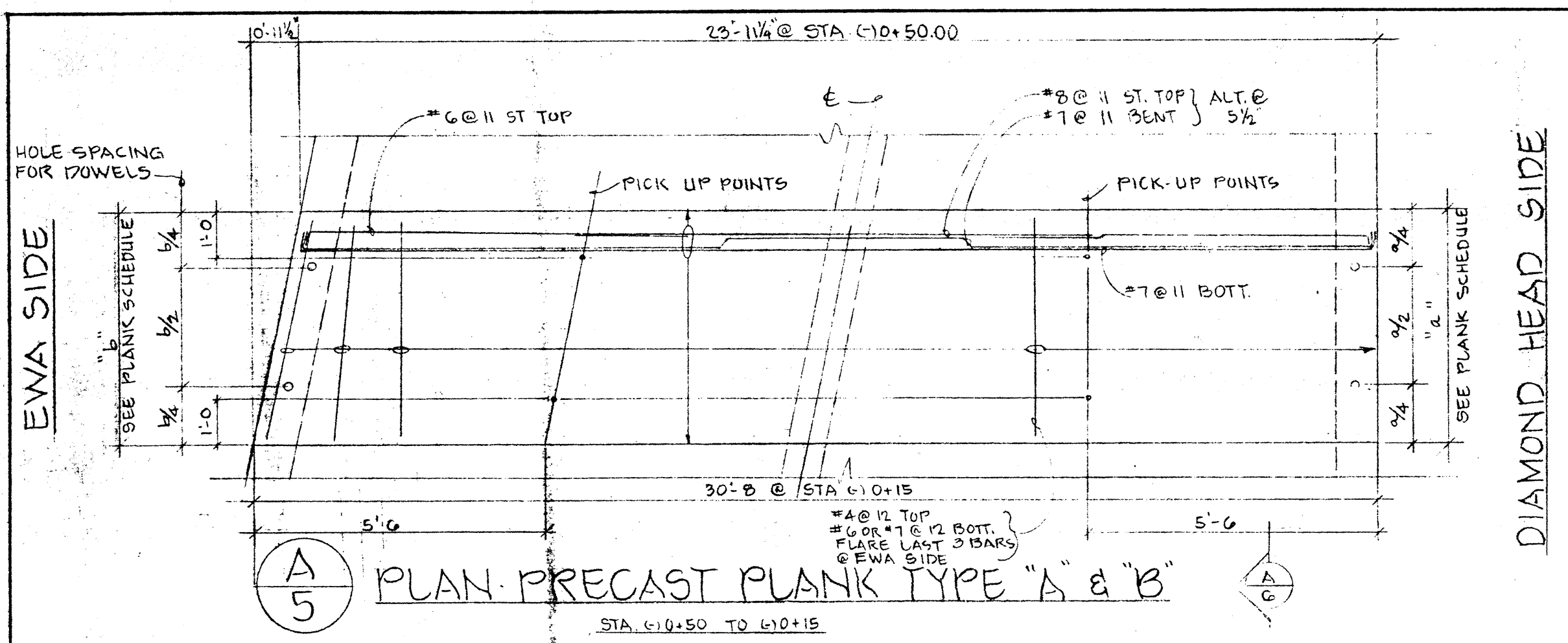
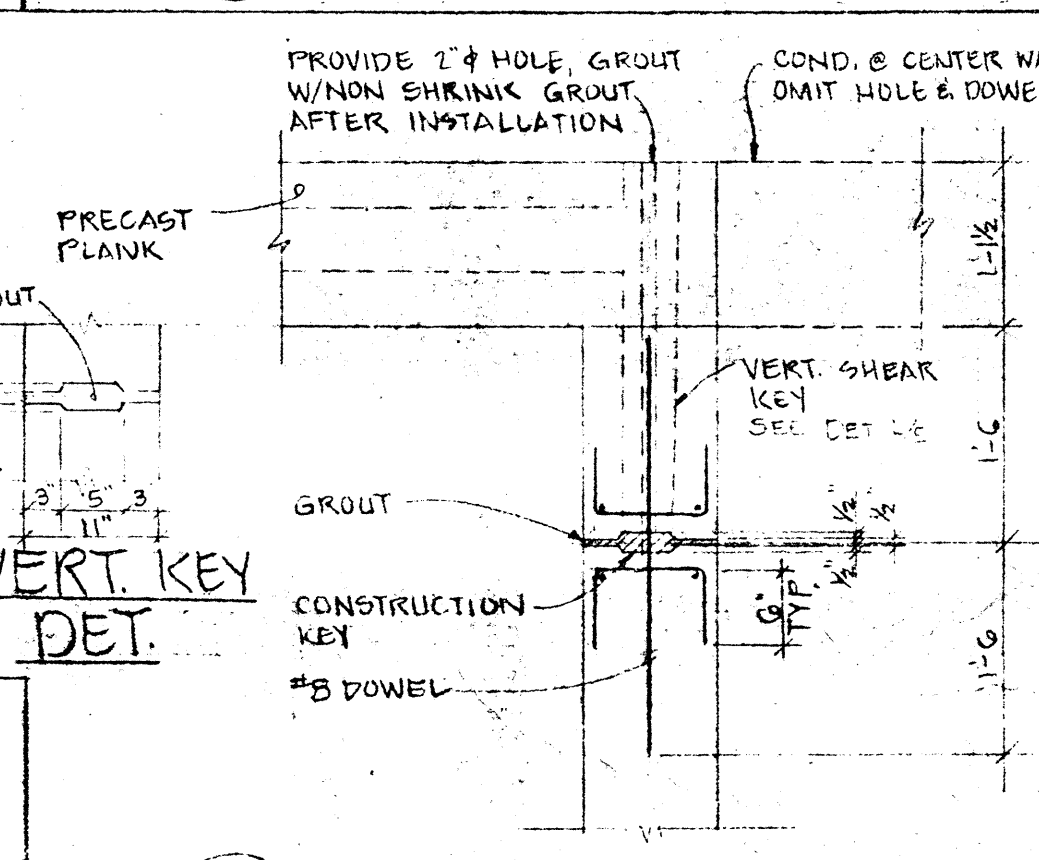
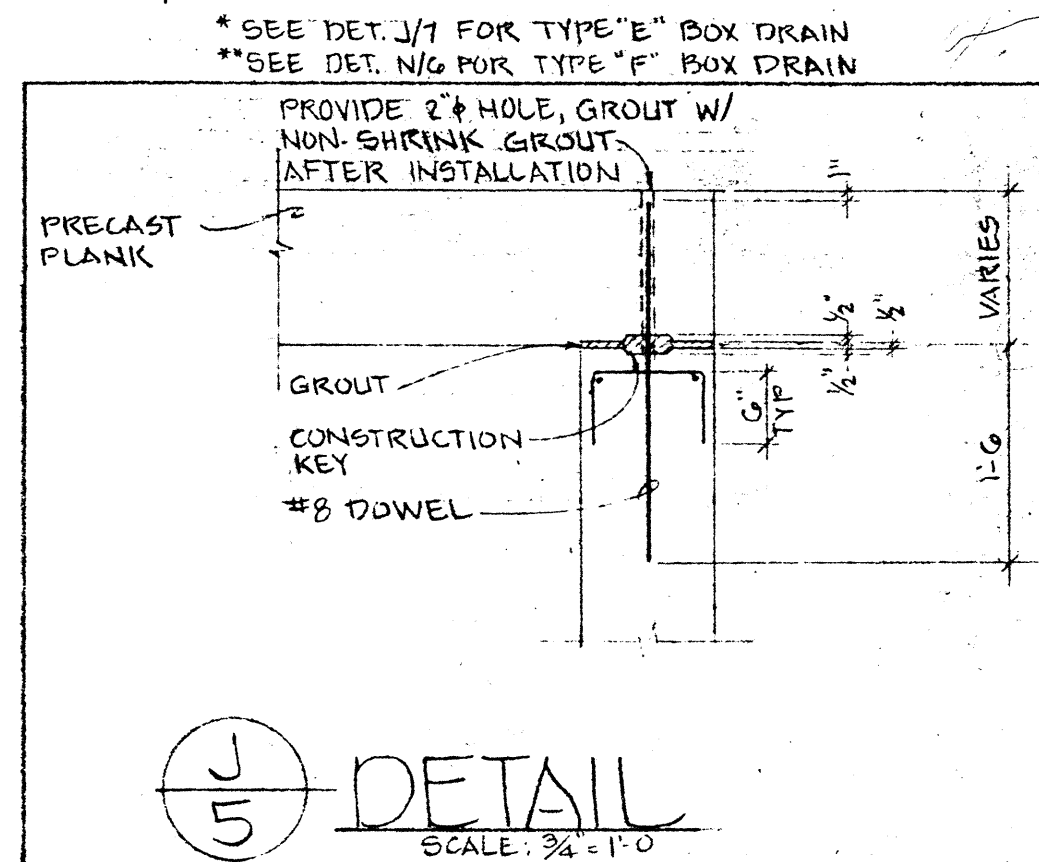


PLANK SCHEDULE

STATION	TO	PLANK	TYPE
C10+50.00	TO C10+50.00	6'-7"	F
C10+50.00	TO C10+50.00	5'-0"	A
C10+50.00	TO C10+50.00	5'-0"	B
C10+50.00	TO C10+50.00	5'-0"	C
C10+50.00	TO C10+50.00	5'-0"	D
C10+50.00	TO C10+50.00	5'-0"	E
C10+50.00	TO C10+50.00	5'-0"	F
C10+50.00	TO C10+50.00	5'-0"	G
C10+50.00	TO C10+50.00	5'-0"	H
C10+50.00	TO C10+50.00	5'-0"	I
C10+50.00	TO C10+50.00	5'-0"	J
C10+50.00	TO C10+50.00	5'-0"	K
C10+50.00	TO C10+50.00	5'-0"	L
C10+50.00	TO C10+50.00	5'-0"	M
C10+50.00	TO C10+50.00	5'-0"	N
C10+50.00	TO C10+50.00	5'-0"	O
C10+50.00	TO C10+50.00	5'-0"	P
C10+50.00	TO C10+50.00	5'-0"	Q
C10+50.00	TO C10+50.00	5'-0"	R
C10+50.00	TO C10+50.00	5'-0"	S
C10+50.00	TO C10+50.00	5'-0"	T
C10+50.00	TO C10+50.00	5'-0"	U
C10+50.00	TO C10+50.00	5'-0"	V
C10+50.00	TO C10+50.00	5'-0"	W
C10+50.00	TO C10+50.00	5'-0"	X
C10+50.00	TO C10+50.00	5'-0"	Y
C10+50.00	TO C10+50.00	5'-0"	Z



DETAILS

NO. DATE DESCRIPTION ENGR. DEPT. OR DIV. APPR'D

REVISIONS

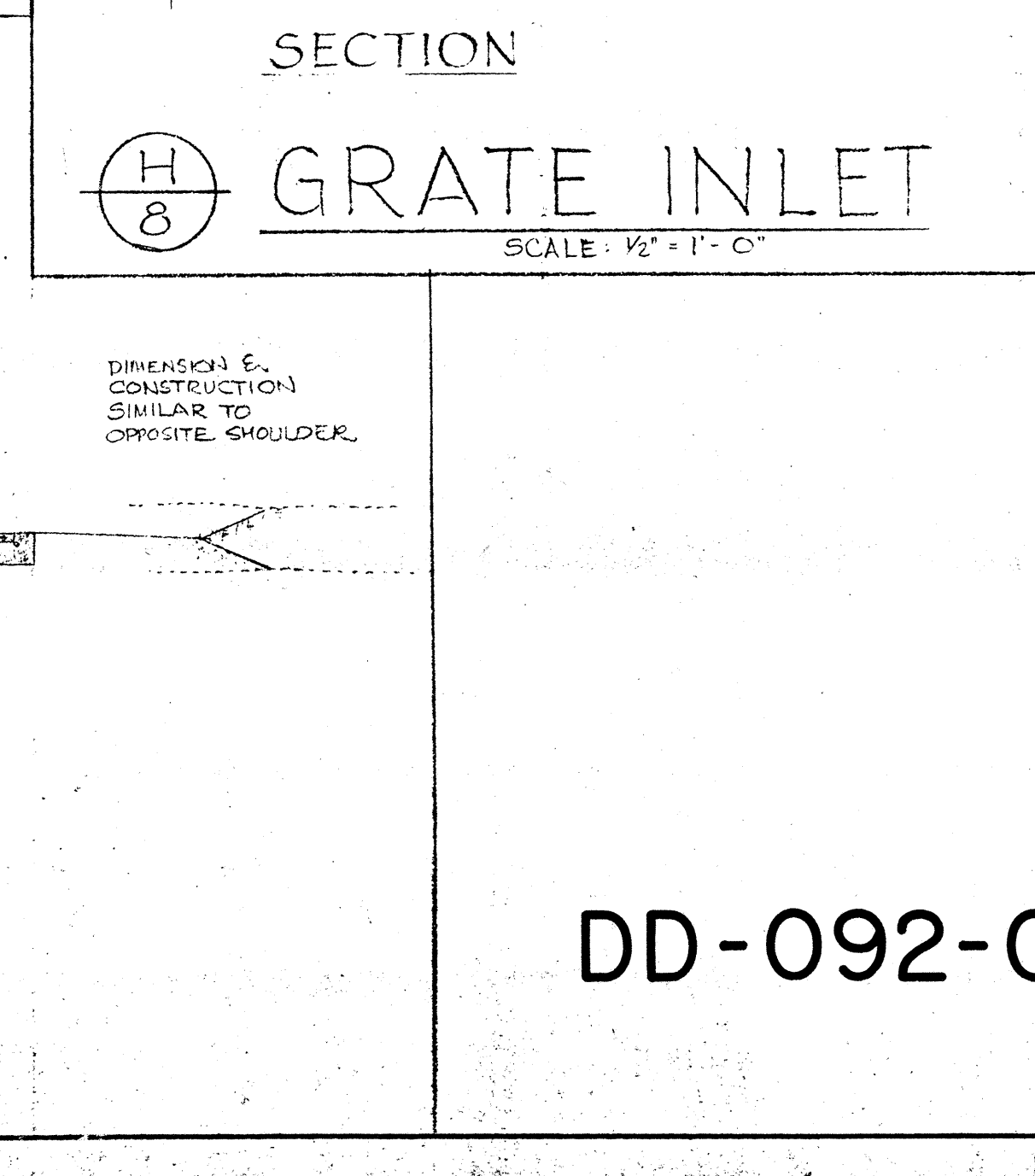
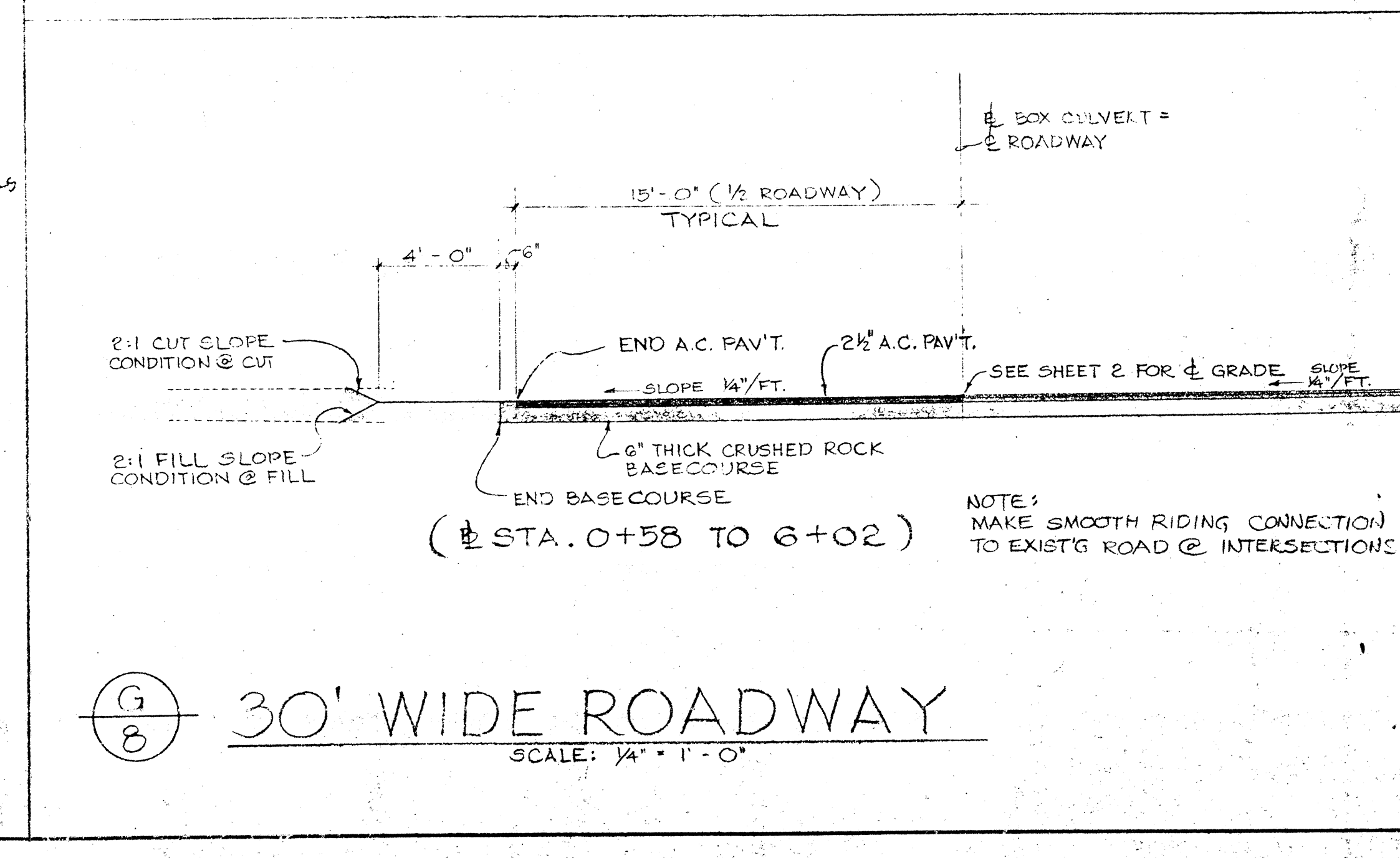
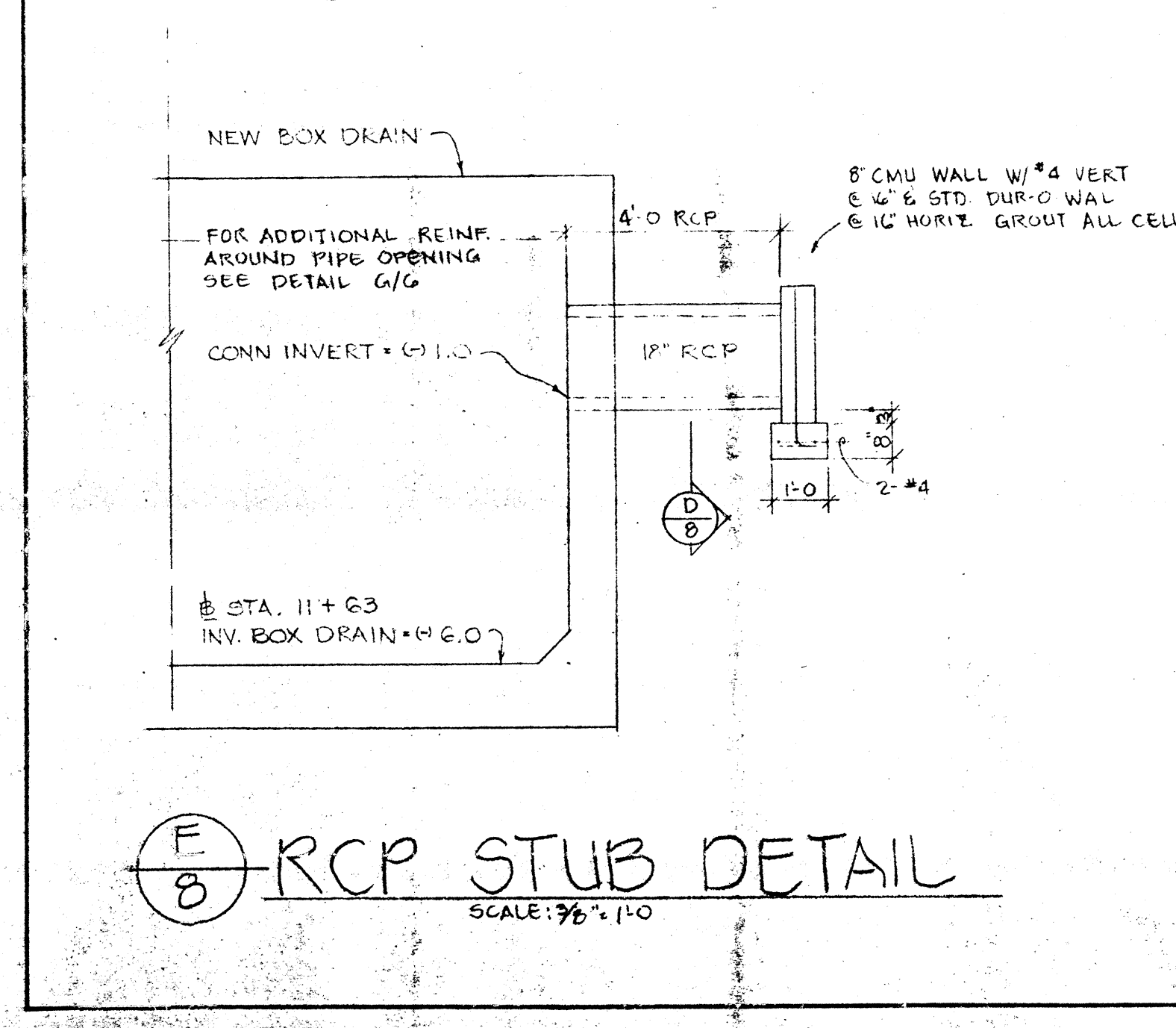
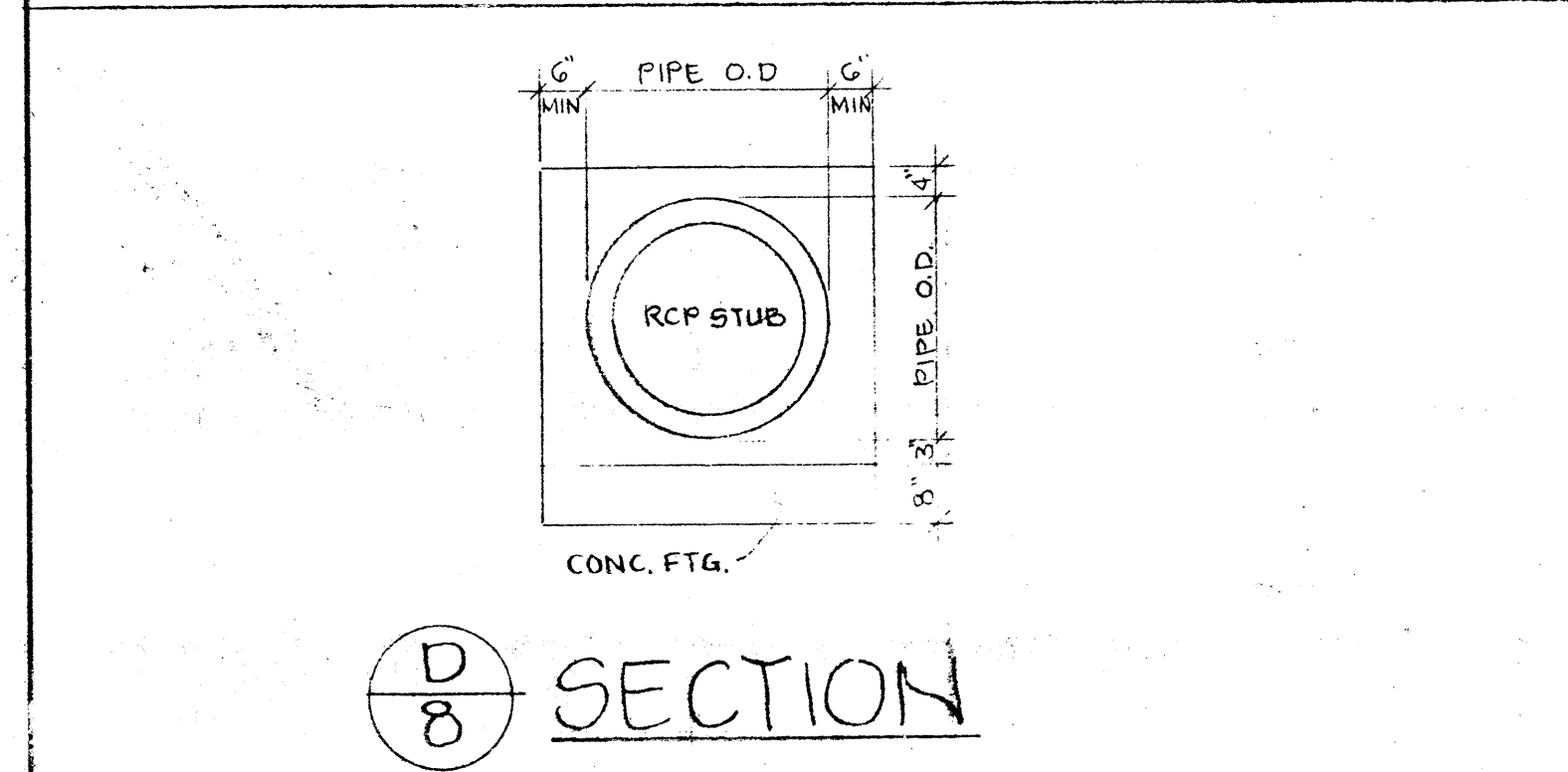
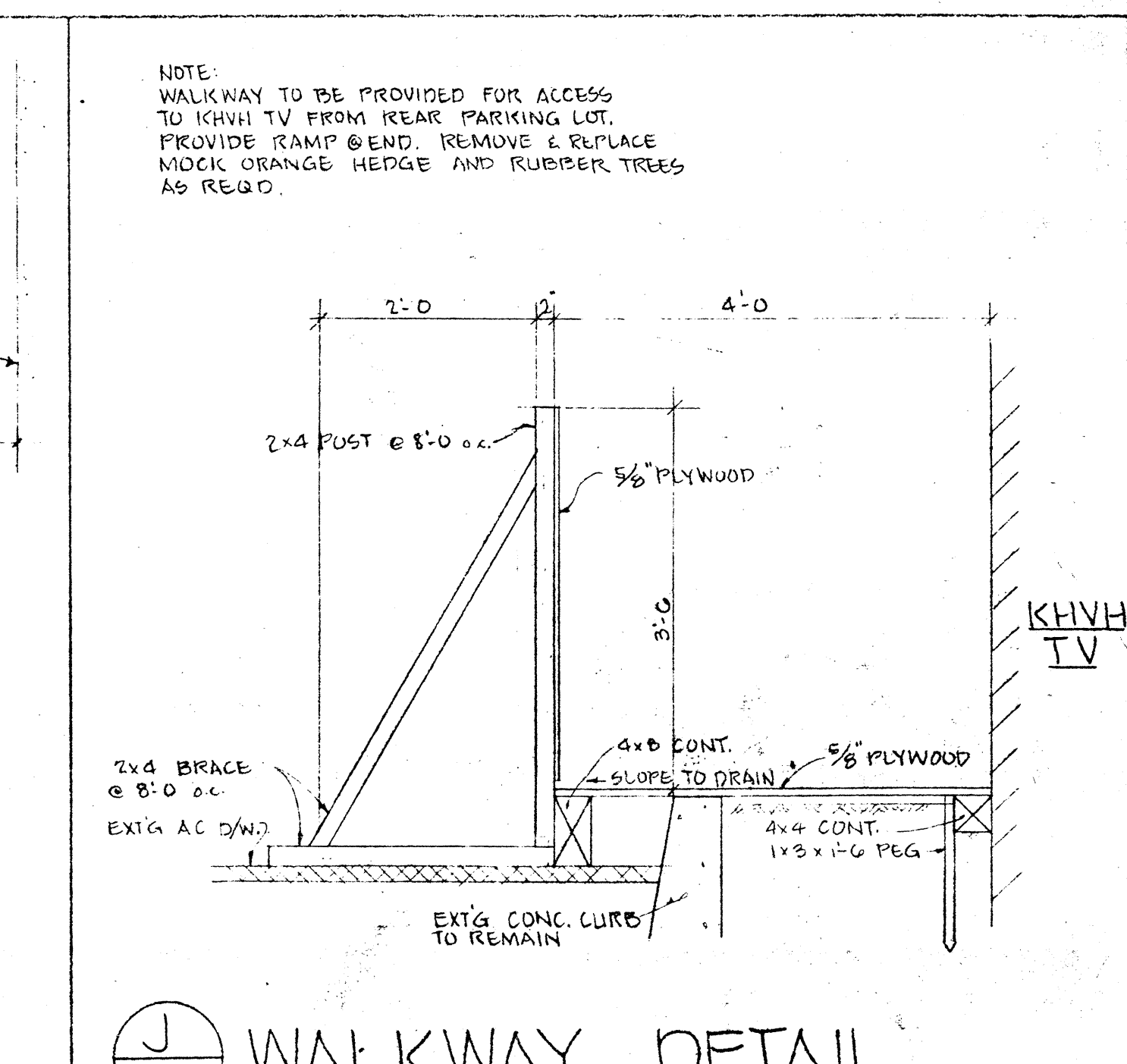
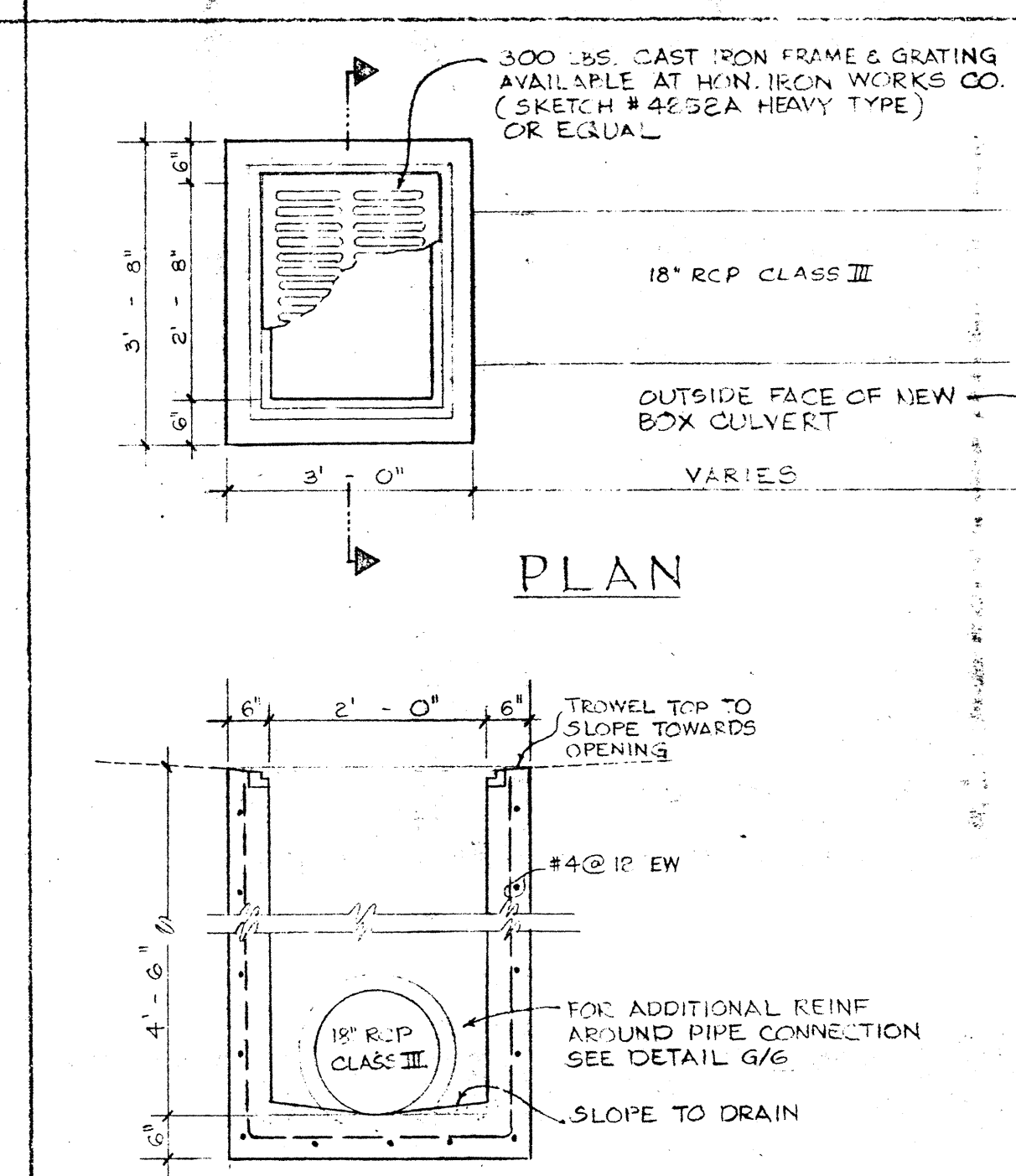
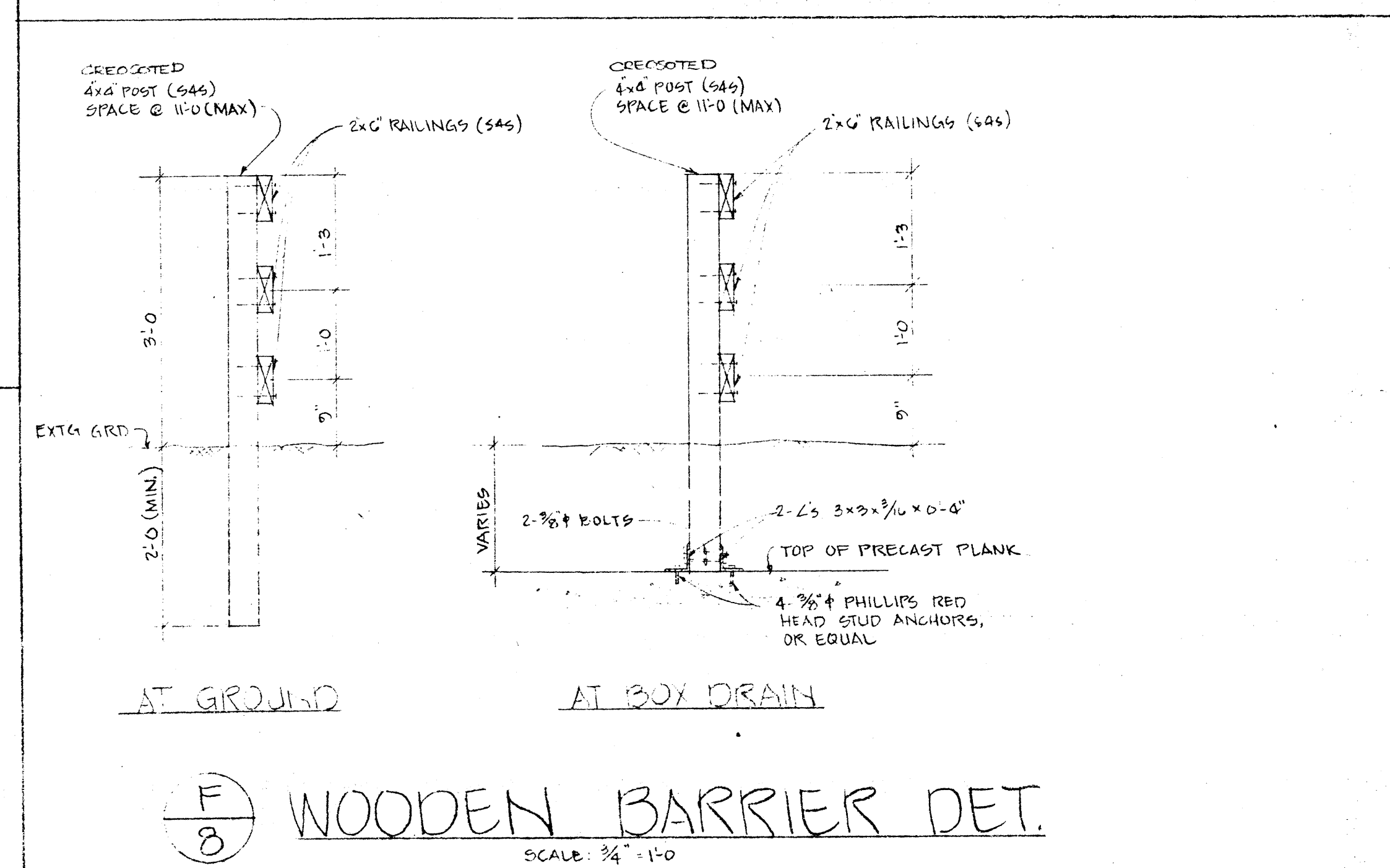
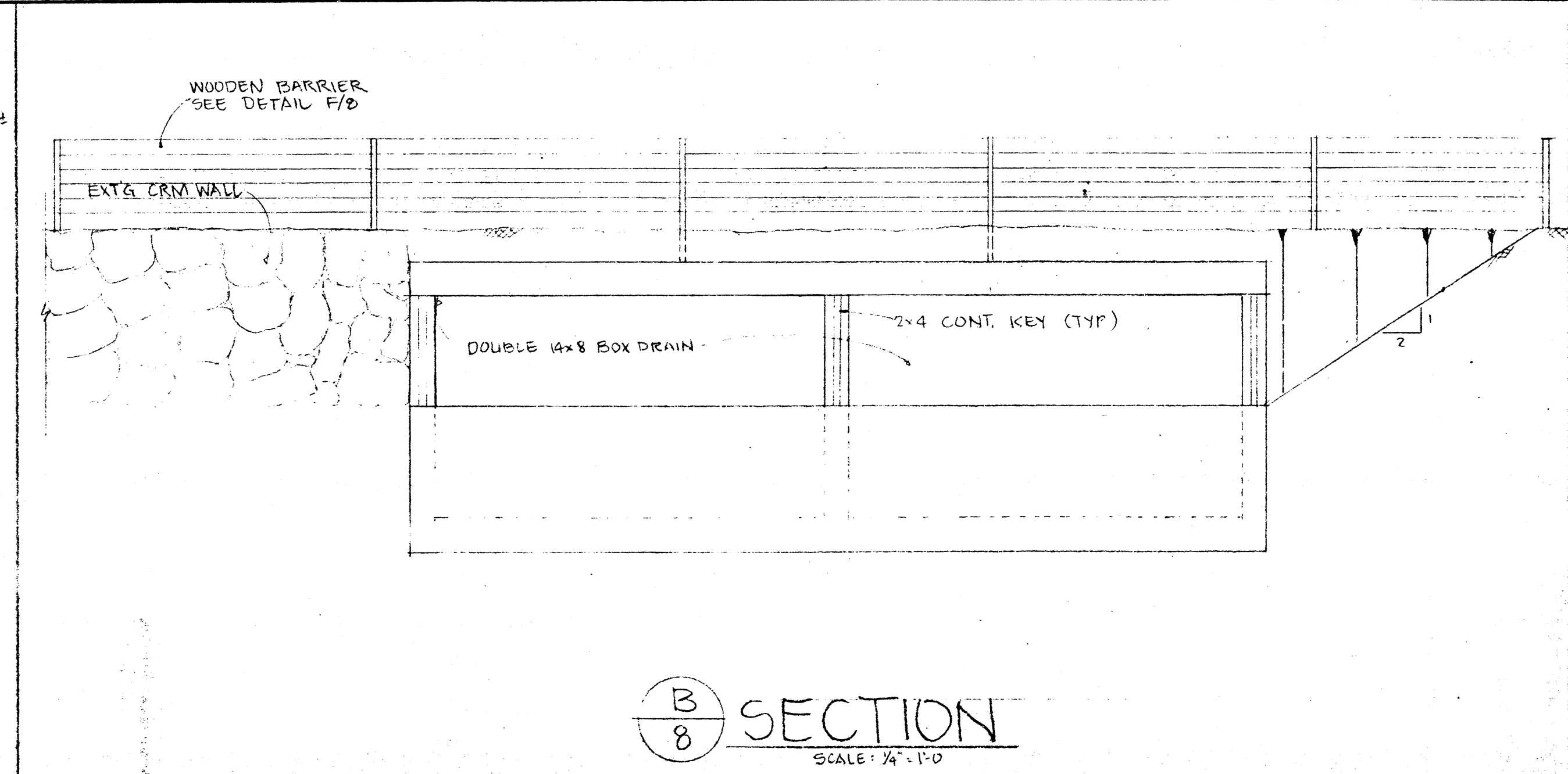
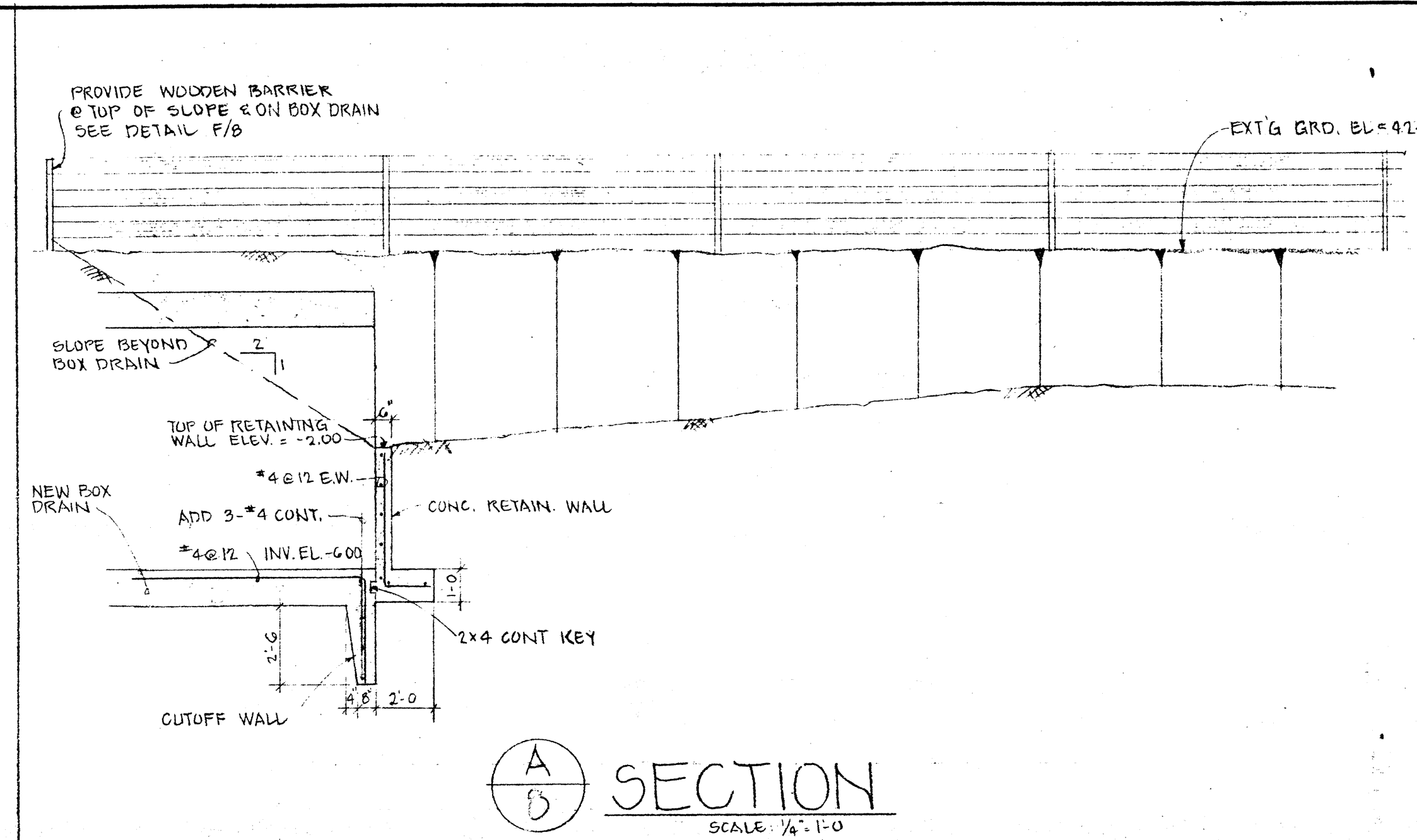
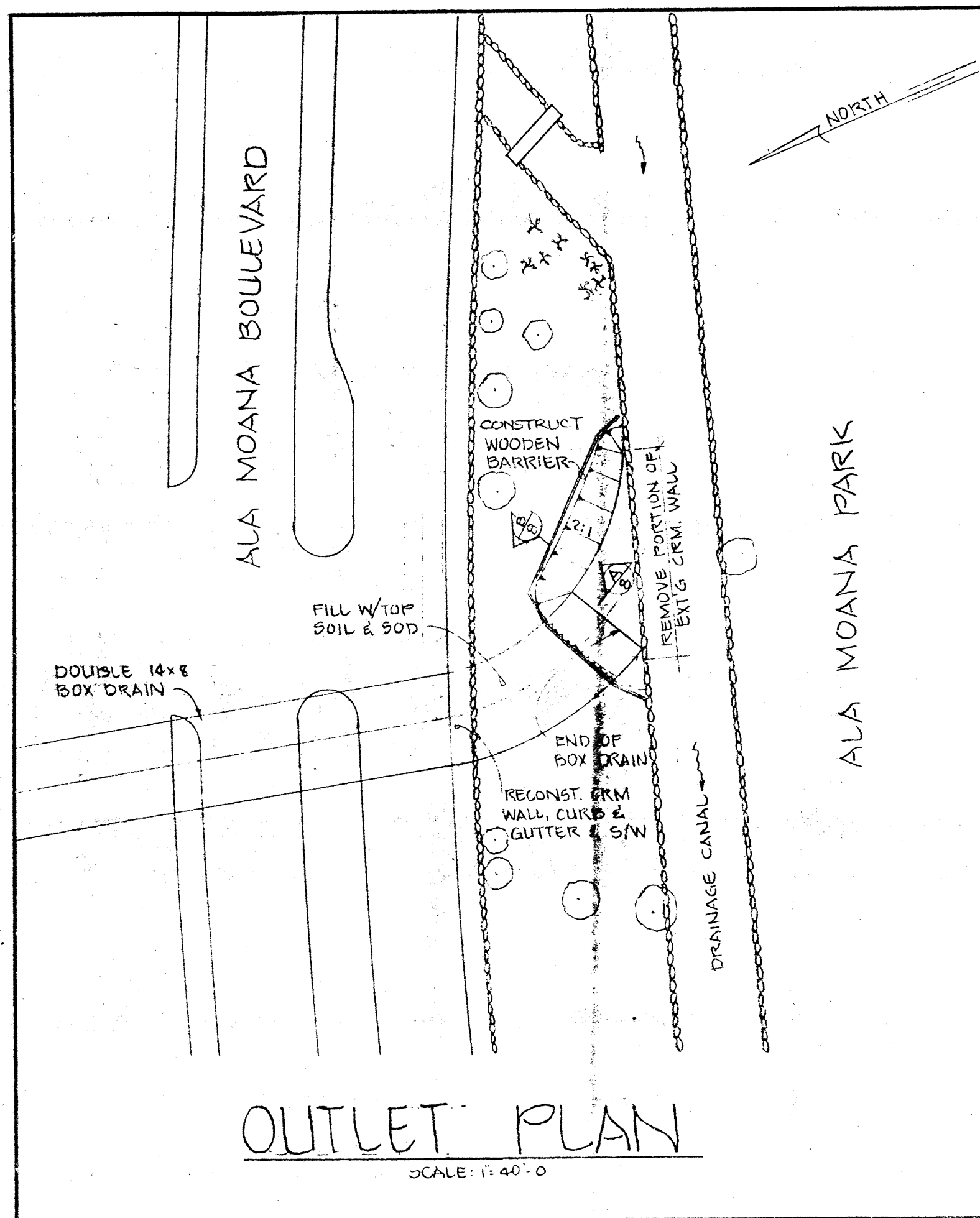
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
DIVISION OF ENGINEERING
Pensacola Street Relief Drain
Unit I

DETAILS

ENGINEER DT DATE 4-20-71
DRAFTSMAN RN CHECKED BY WY
SCALE As Noted TRACER RN
APPROVER: [Signature] 5/1/71
CIVIL DIVISION OF ENGINEERING

W.B. PROFILE C.B.
CR. SEC. F.S. S.B.
W.M. BY: F.W. BY: S. BY:

DD-092-02-89



DD-092-02-89

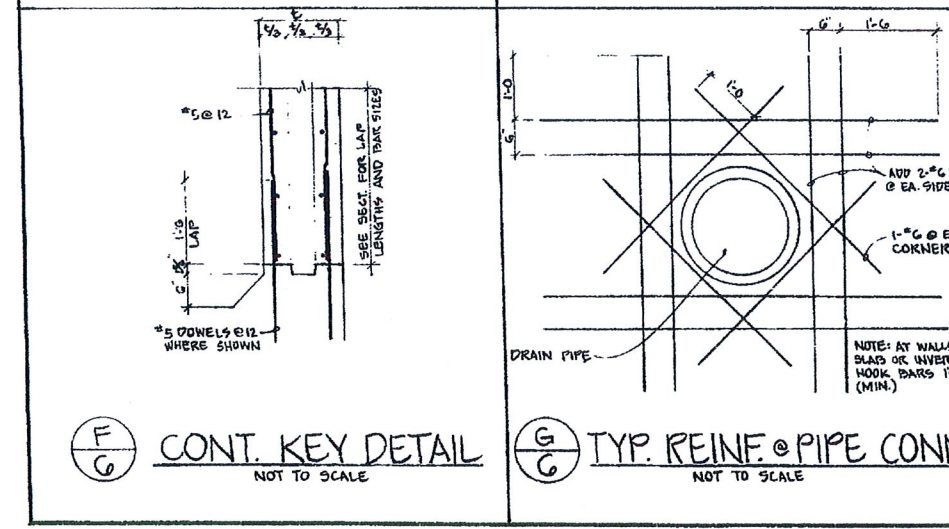
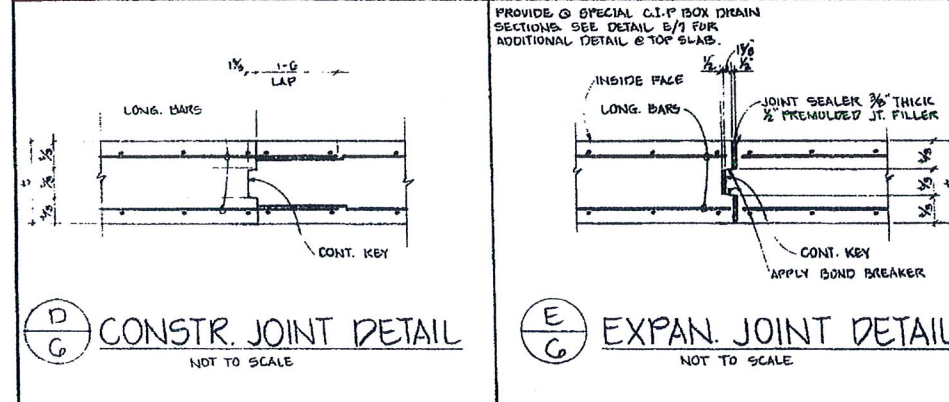
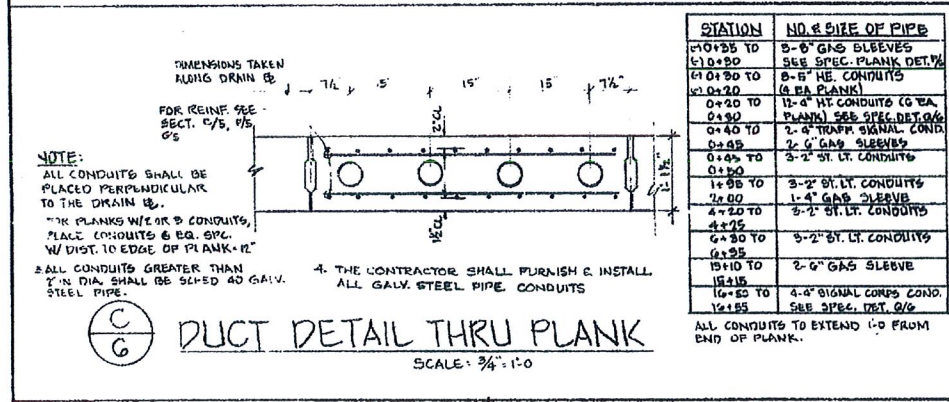
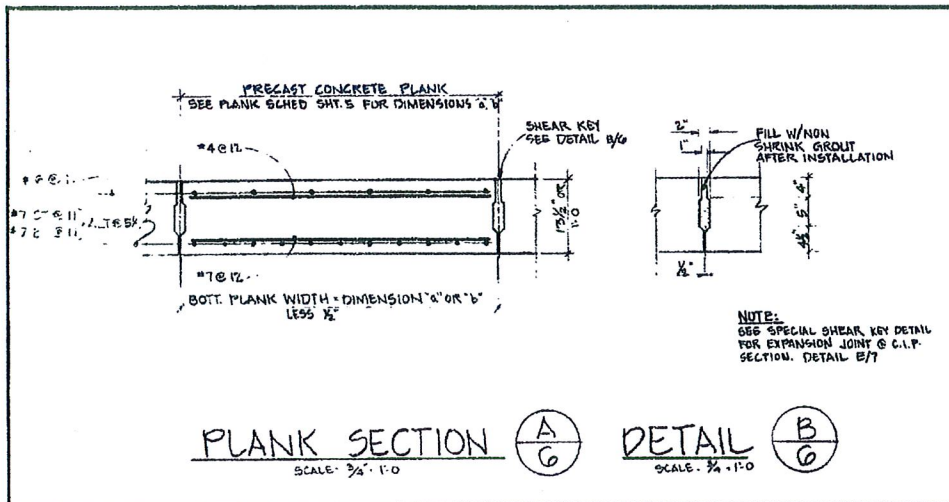
NO.	DATE	DESCRIPTION	ENGR.	DEPT. OR DIV.
REVISIONS				
APPR'D				

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
DIVISION OF ENGINEERING
Pensacola Street Relief Drain
Unit I
DETAILS

ENGINEER: DT
DRAFTSMAN: dk, RW
APPROVED: [Signature]
CHIEF, DIVISION OF ENGINEERING

DATE: 4-20-71
CHECKED BY: WY

JOB NO. 4



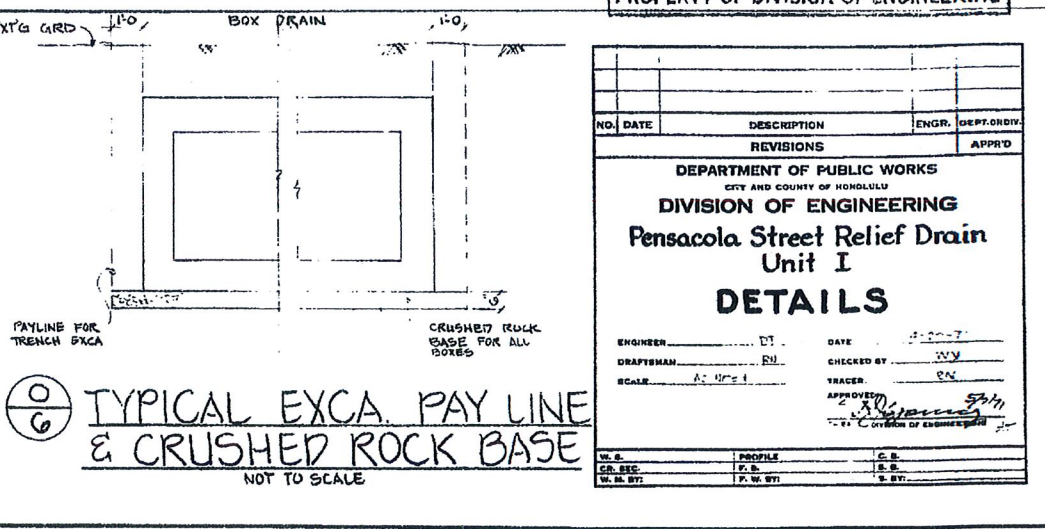
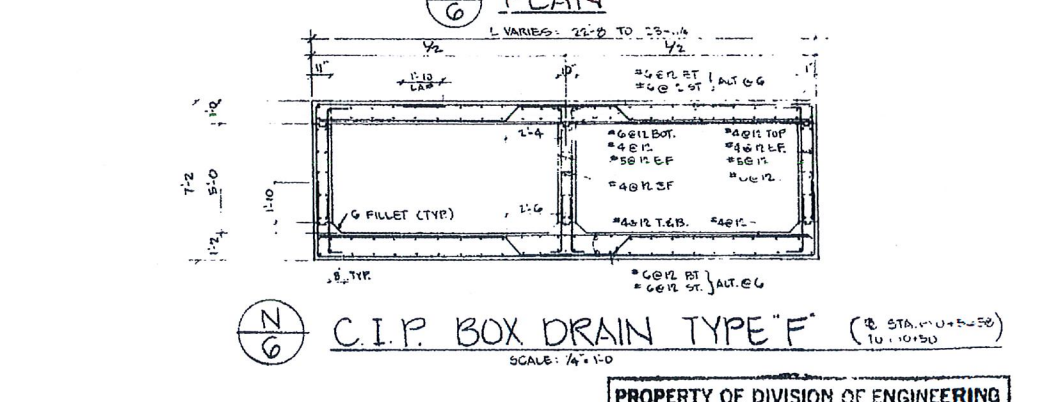
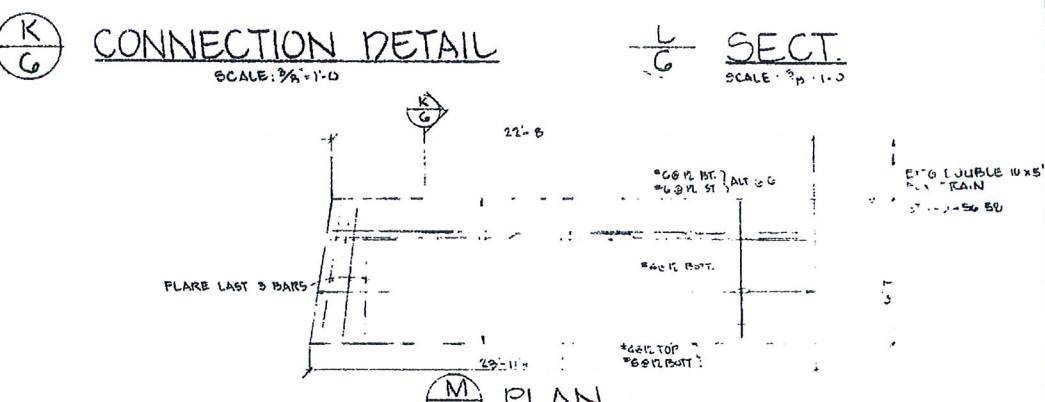
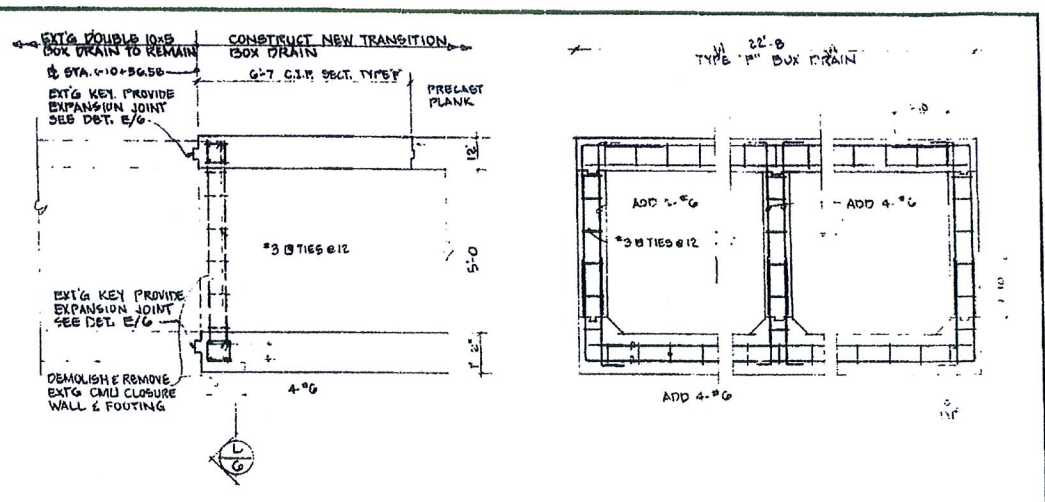
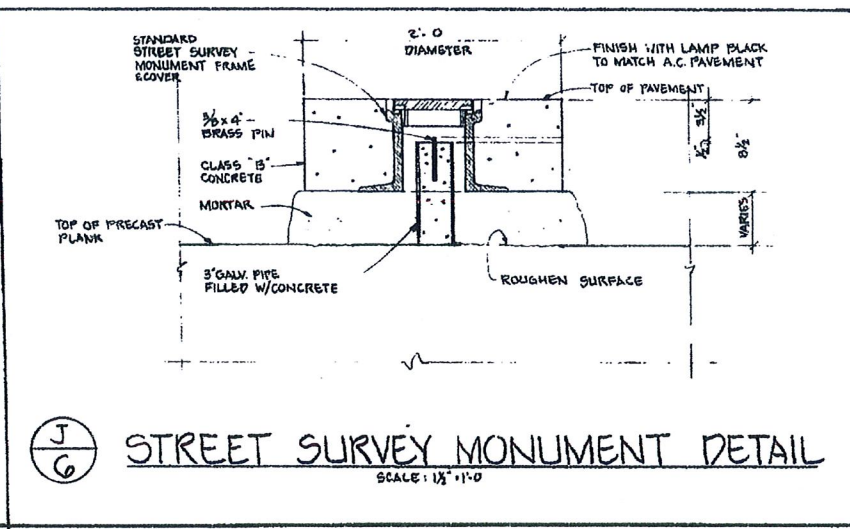
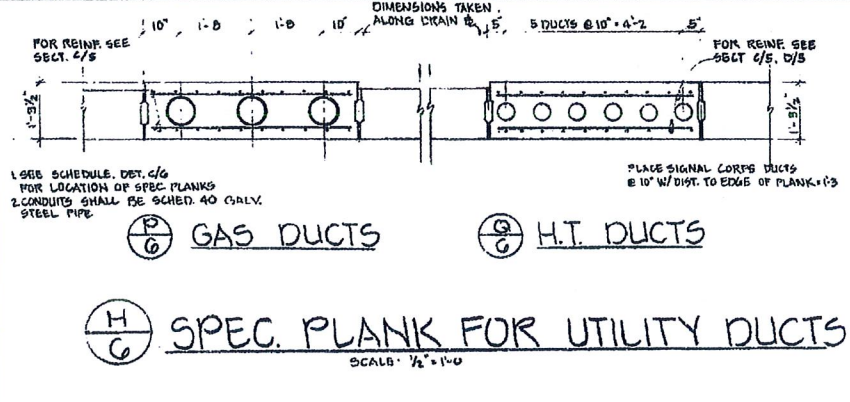
GENERAL NOTES FOR DRAINAGE STRUCTURES

1. CONCRETE SHALL BE C & C CLASS "A".
2. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 & M31 (ASTM A615-68, GRADE 40 STEEL).
3. CONCRETE PROTECTION FOR REINFORCEMENT: SOFFIT TOP SLAB - 1/2" CLEAR COVER; SOFFIT BOTTOM SLAB - 5" CLEAR COVER; ALL OTHERS - 2" CLEAR COVER, EXCEPT AS NOTED.
4. SPLICES IN REINFORCEMENT: LAPPED SPLICES SHALL BE STAGGERED WHERE POSSIBLE; LAPPED DISTANCES SHALL BE 50 DIAMETERS UNLESS SHOWN OTHERWISE (1'3" MIN.).
5. EXPANSION JOINTS SHALL BE SPACED @ CAST IN PLACE (C.I.P.) SECTIONS.
6. ALL FOUNDATIONS SHALL REST ON FIRM UNDISTURBED GROUND. OVER EXCAVATION BEYOND THE LIMITS SHOWN, EXCEPT EXCAVATION FOR UNSUITABLE MATERIAL, SHALL NOT BE PAID FOR AND SHALL BE FILLED WITH CRUSHED ROCK @ THE CONTRACTOR'S EXPENSE.

TRAFFIC NOTES

1. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING NUMBER OF VEHICULAR LANES FOR PUBLIC USE:
 - a. KAPOLANI BOULEVARD - PROVIDE ALL SIX (6) LANES DURING PEAK TRAFFIC HOURS (6:00 A.M. TO 3:00 P.M. AND 3:00 P.M. TO 6:00 P.M.) AT OTHER TIMES, PROVIDE FOUR (4) LANES - TWO (2) IN EACH DIRECTION.
 - b. AT ALL TIMES, PROVIDE SAFE ACCESS TO ALL STREETS AND DRIVEWAYS.
2. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONSTRUCTION SIGNS AND BARRICADES TO THE SATISFACTION OF THE TRAFFIC DEPARTMENT. THE SIGNS AND POSTING OF SIGNS SHALL CONFORM TO THE RULES AND REGULATIONS REGARDING THE USE OF TRAFFIC CONTROL DEVICES ON OR ADJACENT TO PUBLIC STREETS AND HIGHWAYS IN THE STATE OF HAWAII DATED MAY, 1968.
3. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, HIRE A POLICEMAN TO CONTROL TRAFFIC, WHEN REQUIRED BY THE TRAFFIC ENGINEER.
4. SEE SHEETS 9 & 10 FOR DETOUR PLAN OF ALA MOANA BOULEVARD.

STATION	NO. & SIZE OF PIPE
10+35 TO 11+00	8" GAS DUCTS
11+00 TO 11+30	SEE SPEC. PLANK DETAIL
11+30 TO 11+40	8" H.T. CONDUITS
11+40 TO 11+50	12" H.T. CONDUITS (2 EA. PLANKS SEE SPEC. DETAIL)
11+50 TO 11+60	2" GAS SLEEVES
11+60 TO 11+70	3" H.T. CONDUITS
11+70 TO 11+80	3" H.T. CONDUITS
11+80 TO 11+90	3" H.T. CONDUITS
11+90 TO 12+00	3" H.T. CONDUITS
12+00 TO 12+10	3" H.T. CONDUITS
12+10 TO 12+20	3" H.T. CONDUITS
12+20 TO 12+30	3" H.T. CONDUITS
12+30 TO 12+40	3" H.T. CONDUITS
12+40 TO 12+50	3" H.T. CONDUITS
12+50 TO 12+60	3" H.T. CONDUITS
12+60 TO 12+70	3" H.T. CONDUITS
12+70 TO 12+80	3" H.T. CONDUITS
12+80 TO 12+90	3" H.T. CONDUITS
12+90 TO 13+00	3" H.T. CONDUITS
13+00 TO 13+10	3" H.T. CONDUITS
13+10 TO 13+20	3" H.T. CONDUITS
13+20 TO 13+30	3" H.T. CONDUITS
13+30 TO 13+40	3" H.T. CONDUITS
13+40 TO 13+50	3" H.T. CONDUITS
13+50 TO 13+60	3" H.T. CONDUITS
13+60 TO 13+70	3" H.T. CONDUITS
13+70 TO 13+80	3" H.T. CONDUITS
13+80 TO 13+90	3" H.T. CONDUITS
13+90 TO 14+00	3" H.T. CONDUITS



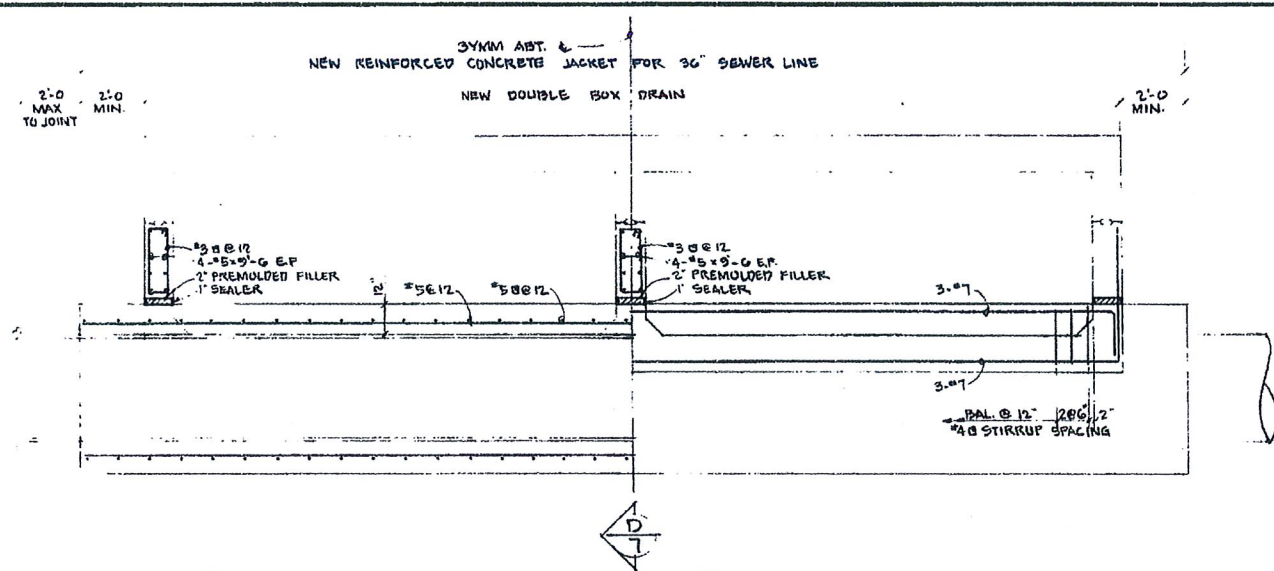
PROPERTY OF DIVISION OF ENGINEERING

NO.	DATE	DESCRIPTION	ENGR.	DEPT. CHIEF
REVISIONS				
APPROVED				

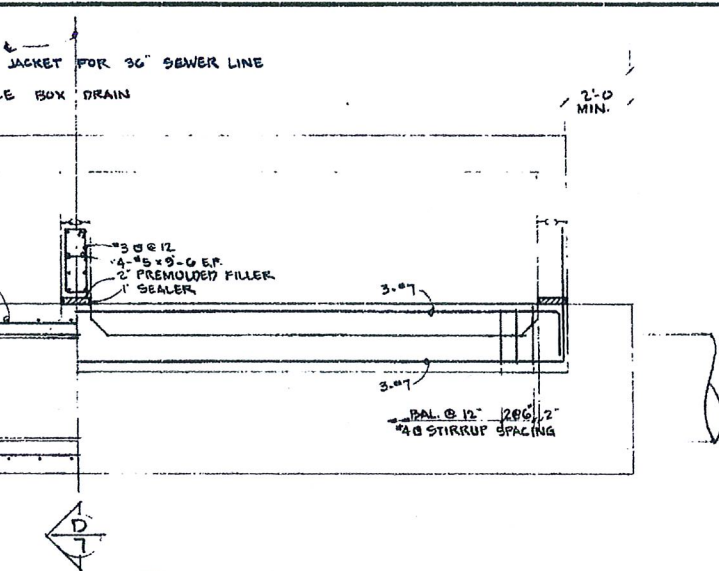
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
DIVISION OF ENGINEERING
Pensacola Street Relief Drain Unit I
DETAILS

ENGINEER: DT. DATE: 5-20-71
DRAFTSMAN: RU. CHECKED BY: WYV
SCALE: 1/4" = 1'-0". TRACER: RN
APPROVED: [Signature]
C. C. [Signature]
C. C. [Signature]

NO.	DATE	DESCRIPTION	ENGR.	DEPT. CHIEF
1	5-20-71	ISSUED FOR CONSTRUCTION	DT.	WYV

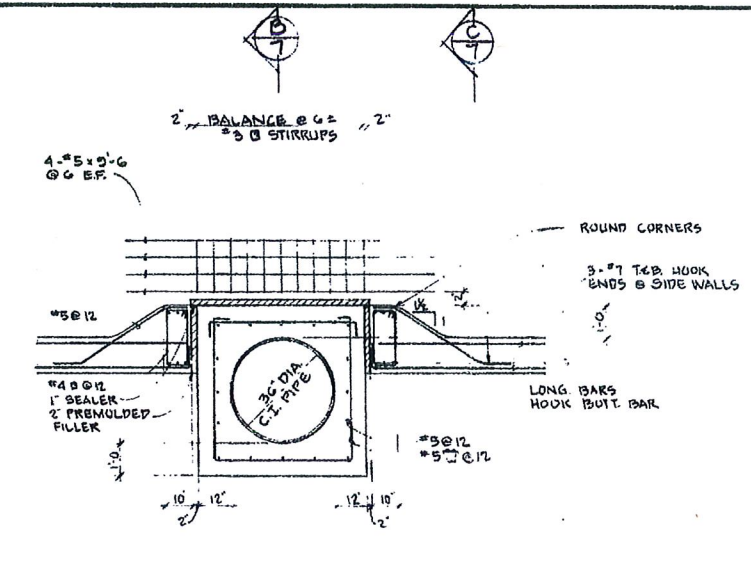


B HALF SECT.

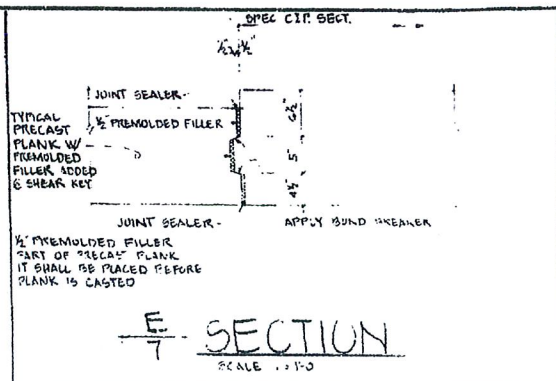


C HALF SECT.

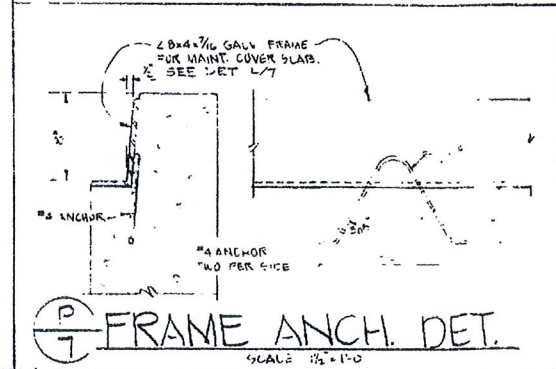
A DETAIL 36" SEWER LINE @ STA. 0+00
SCALE: 3/8" = 1'-0"



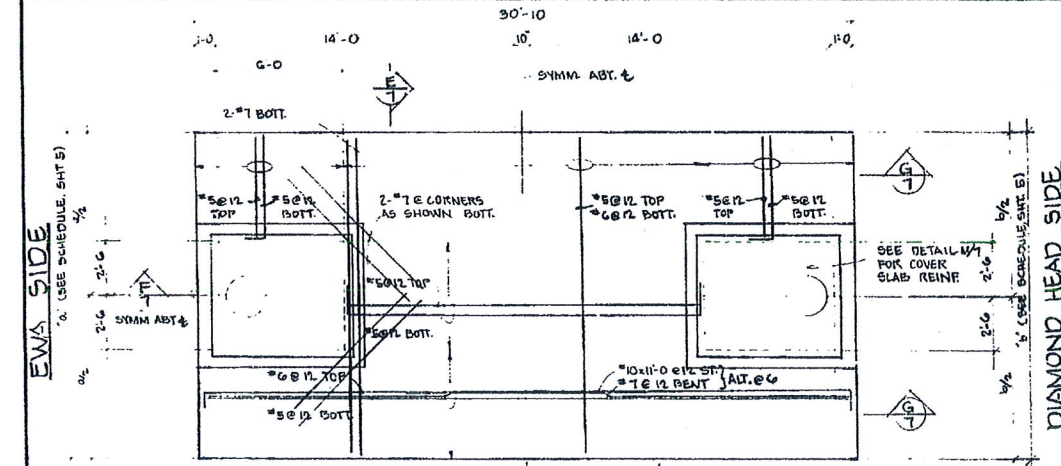
D SECT.



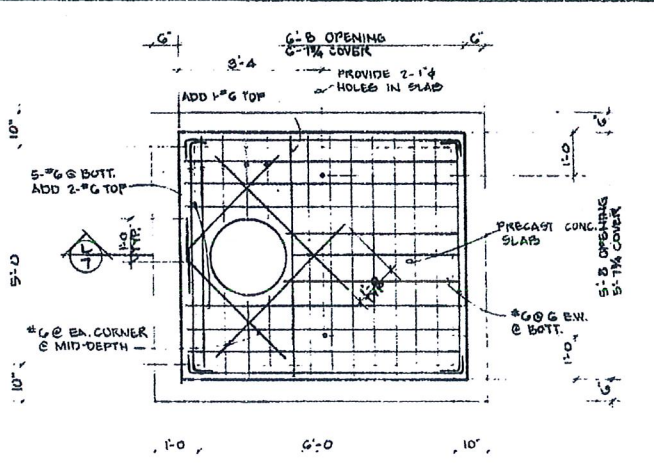
E SECTION
SCALE: 1/2" = 1'-0"



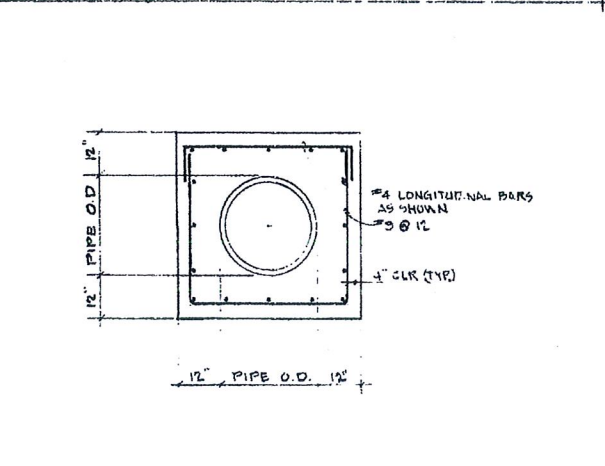
F FRAME ANCH. DET.
SCALE: 3/8" = 1'-0"



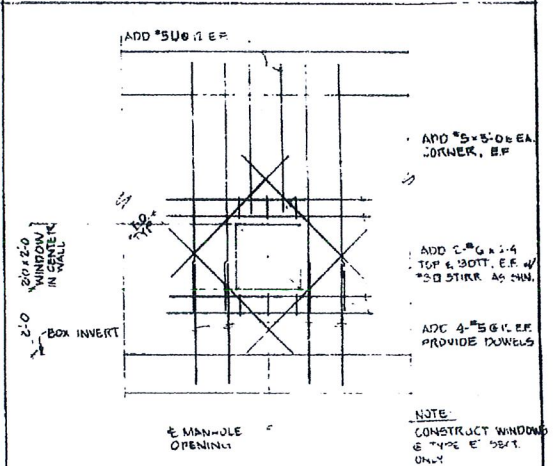
H PLAN



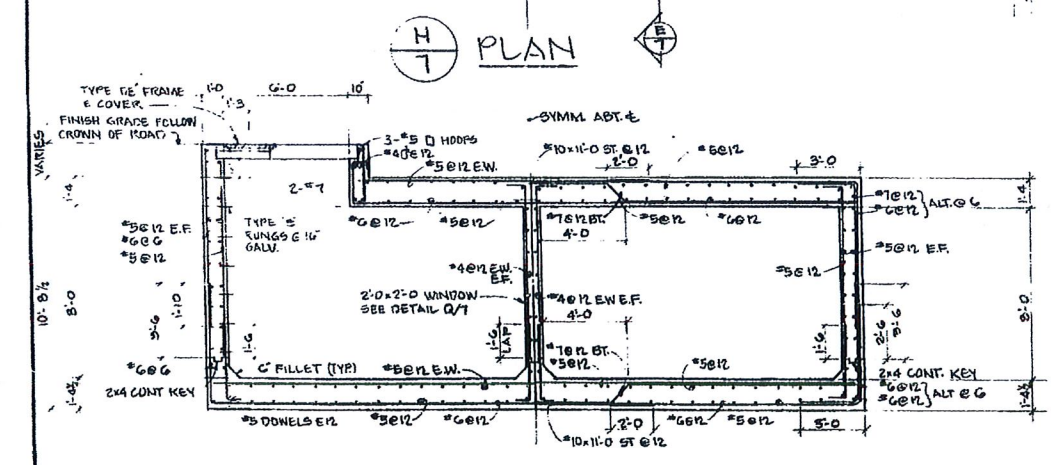
K PLAN



N REINF. CONC. COLLAR
SCALE: 1/2" = 1'-0"



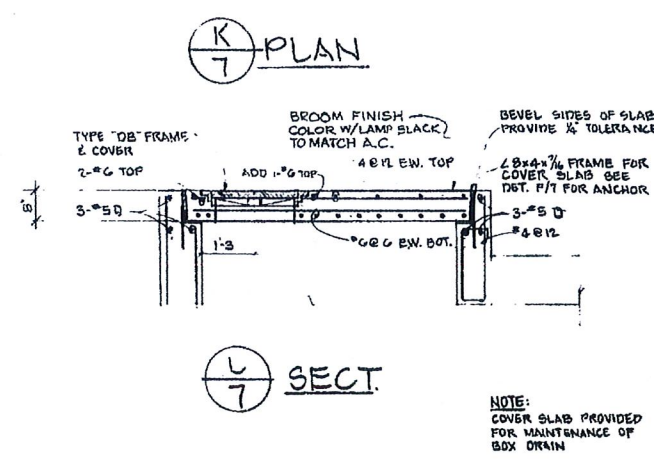
Q WINDOW DETAIL
SCALE: 3/8" = 1'-0"



F HALF SECT.

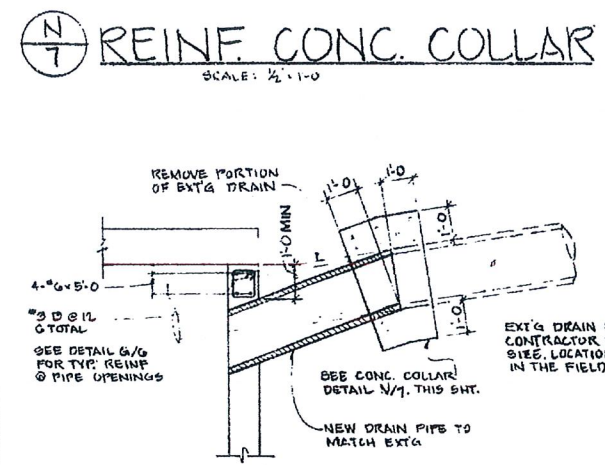
G HALF SECT.

J SPECIAL C.I.P. BOX DRAIN TYPE 'E'
SCALE: 3/8" = 1'-0"



L SECT.

M COVER SLAB DETAIL
SCALE: 3/8" = 1'-0"



O DRAIN PIPE INLET DETAIL
SCALE: 3/8" = 1'-0"

PROPERTY OF DIVISION OF ENGINEERING

NO.	DATE	DESCRIPTION	ENGR.	DEPT. ORDR.	APPROD.
REVISIONS					

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
DIVISION OF ENGINEERING
Pensacola Street Relief Drain Unit I
DETAILS

ENGINEER: [Signature] DATE: 4/6/71
DRAFTSMAN: RU CHECKED BY: W.V.
SCALE: 1/2" = 1'-0" TRACED: K.N.
APPROVED: [Signature]
DIVISION OF ENGINEERING

W. S.	PROF.	C. S.
18	6	2