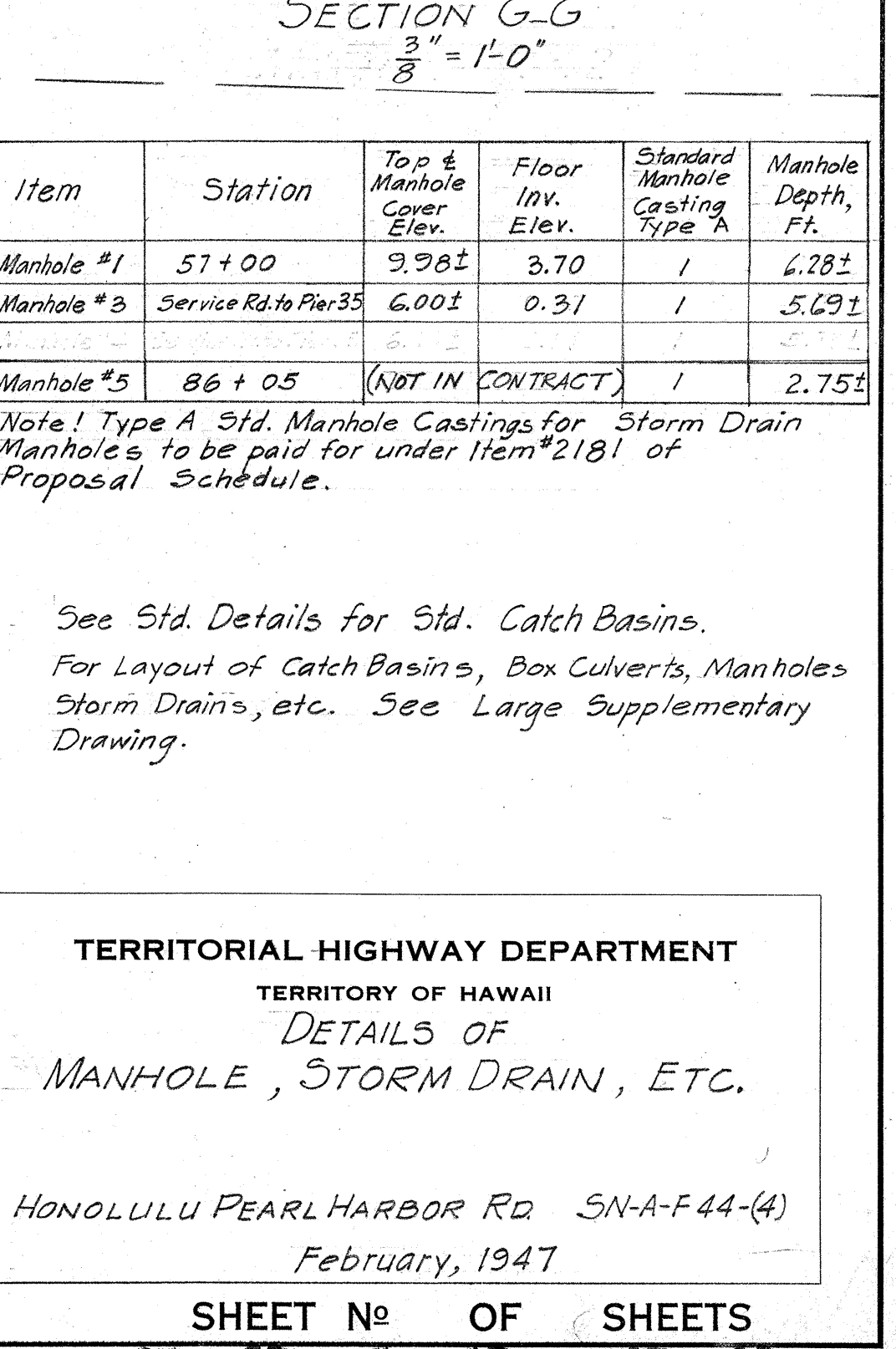
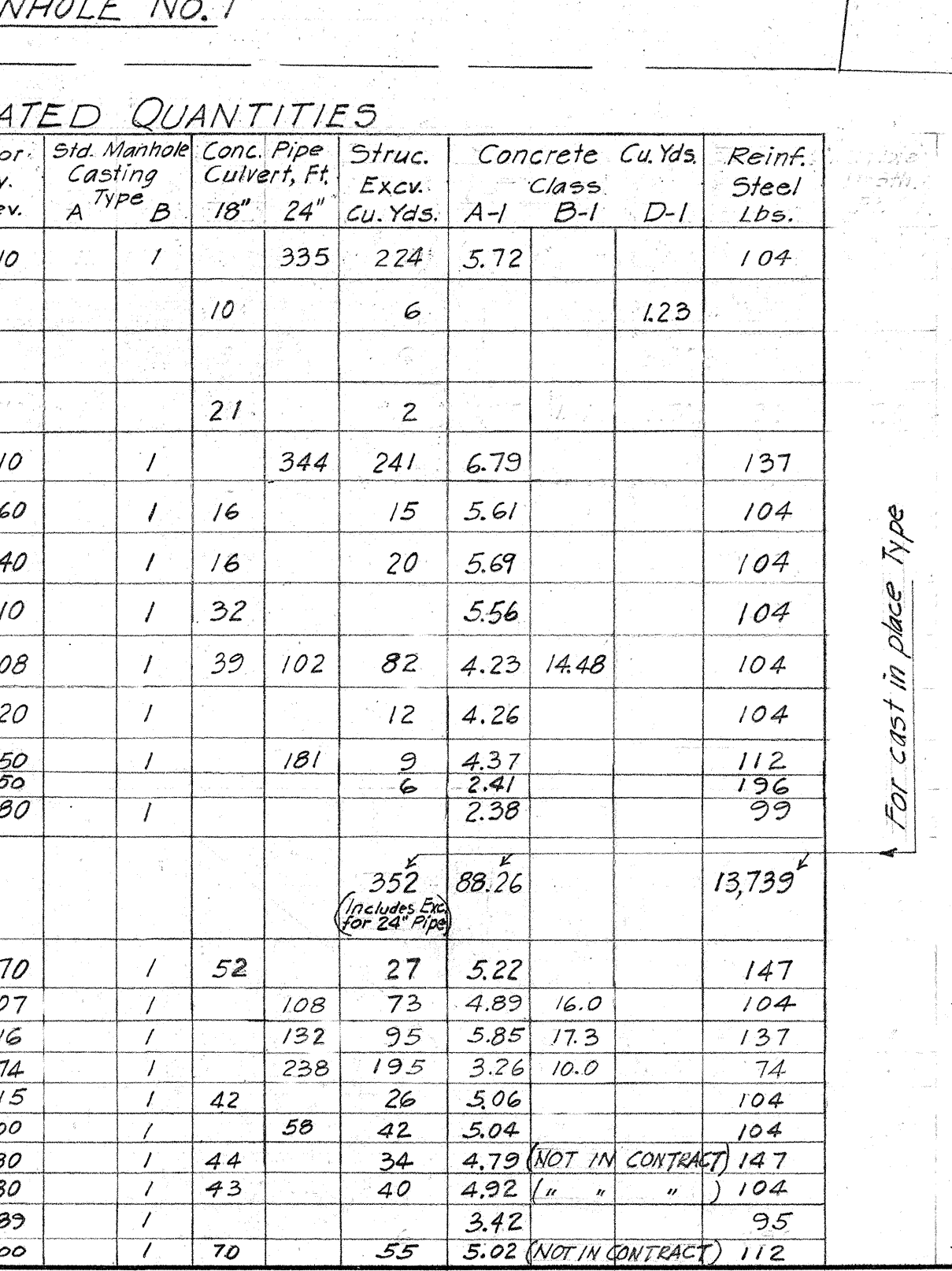
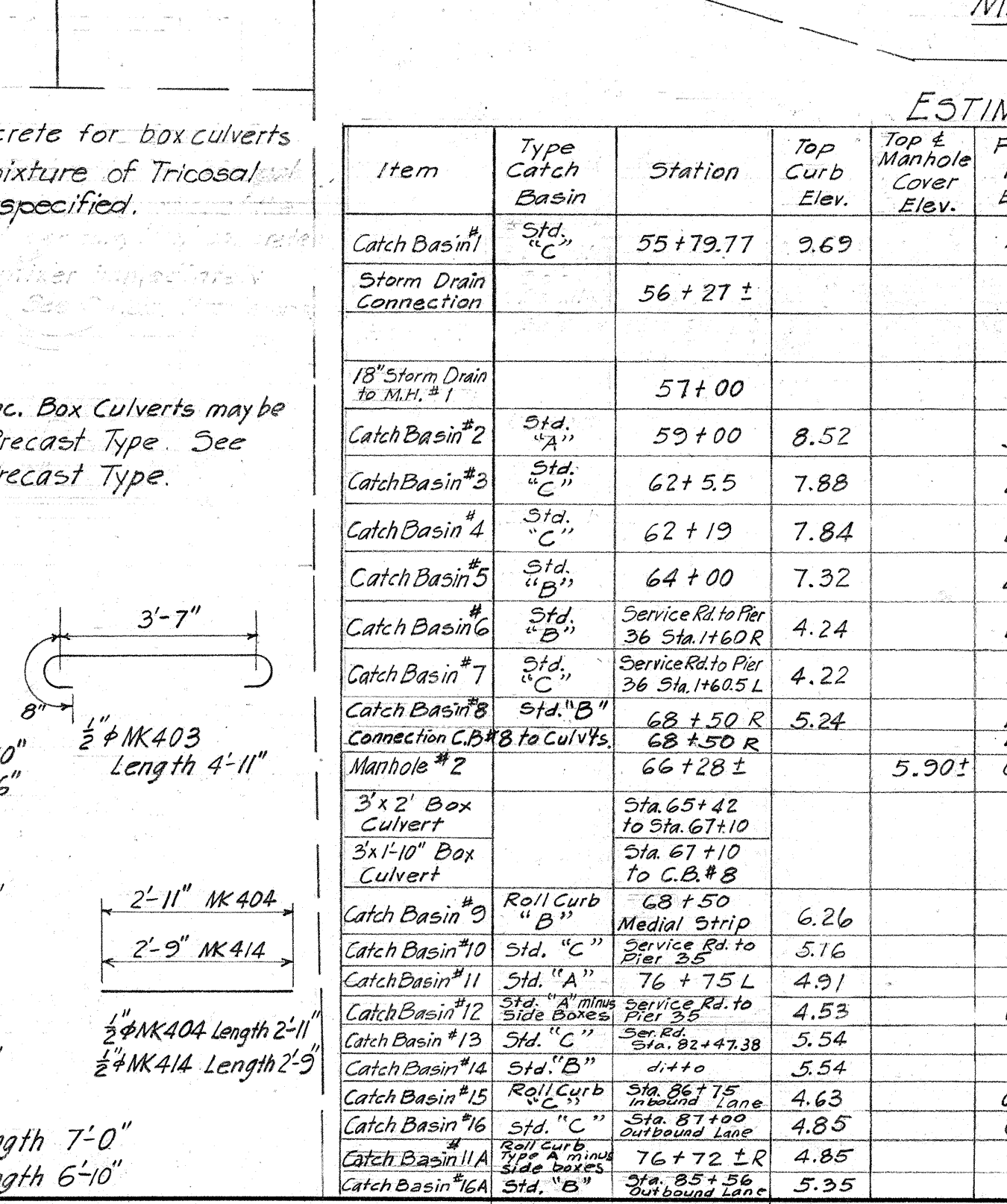
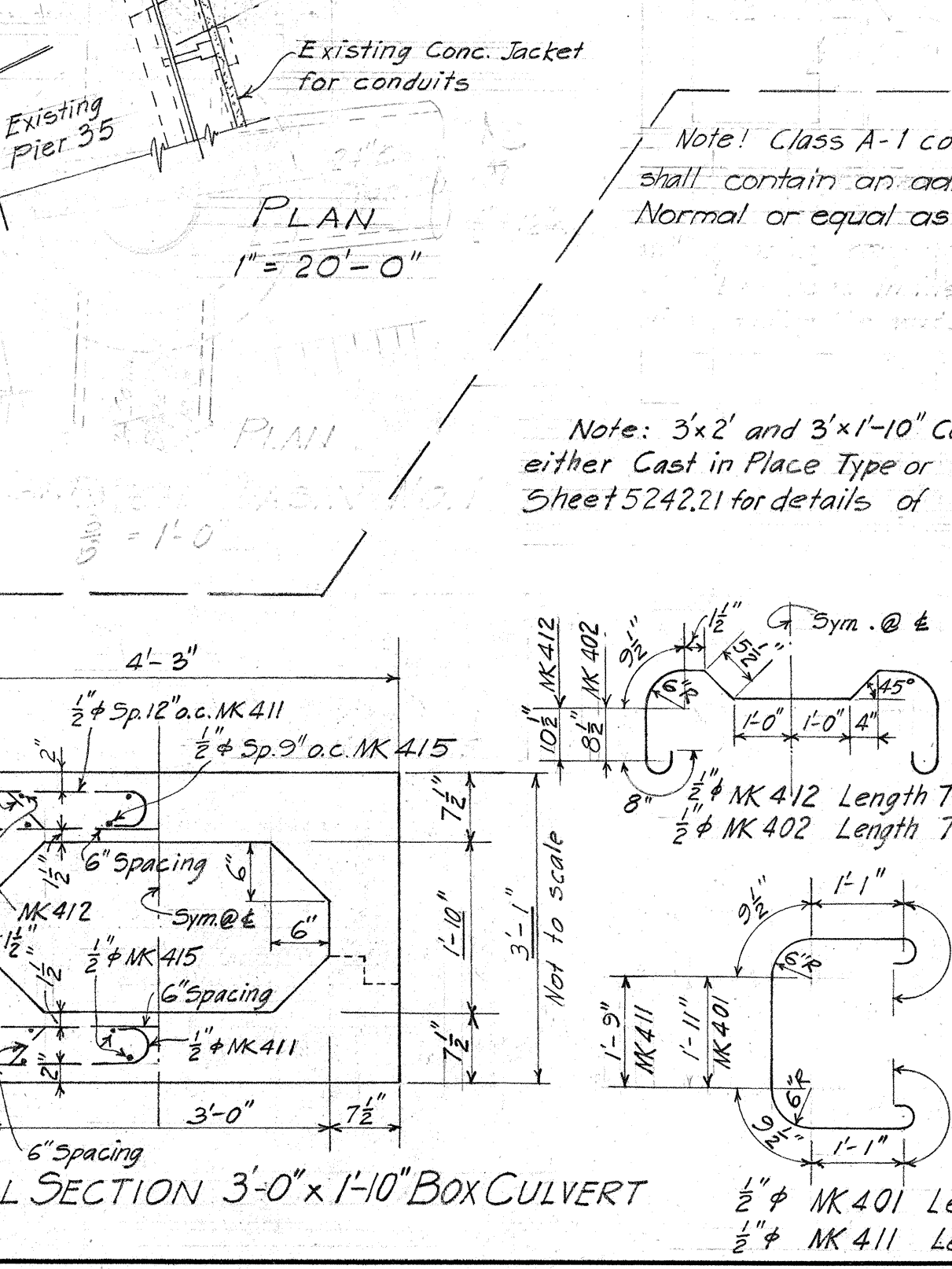
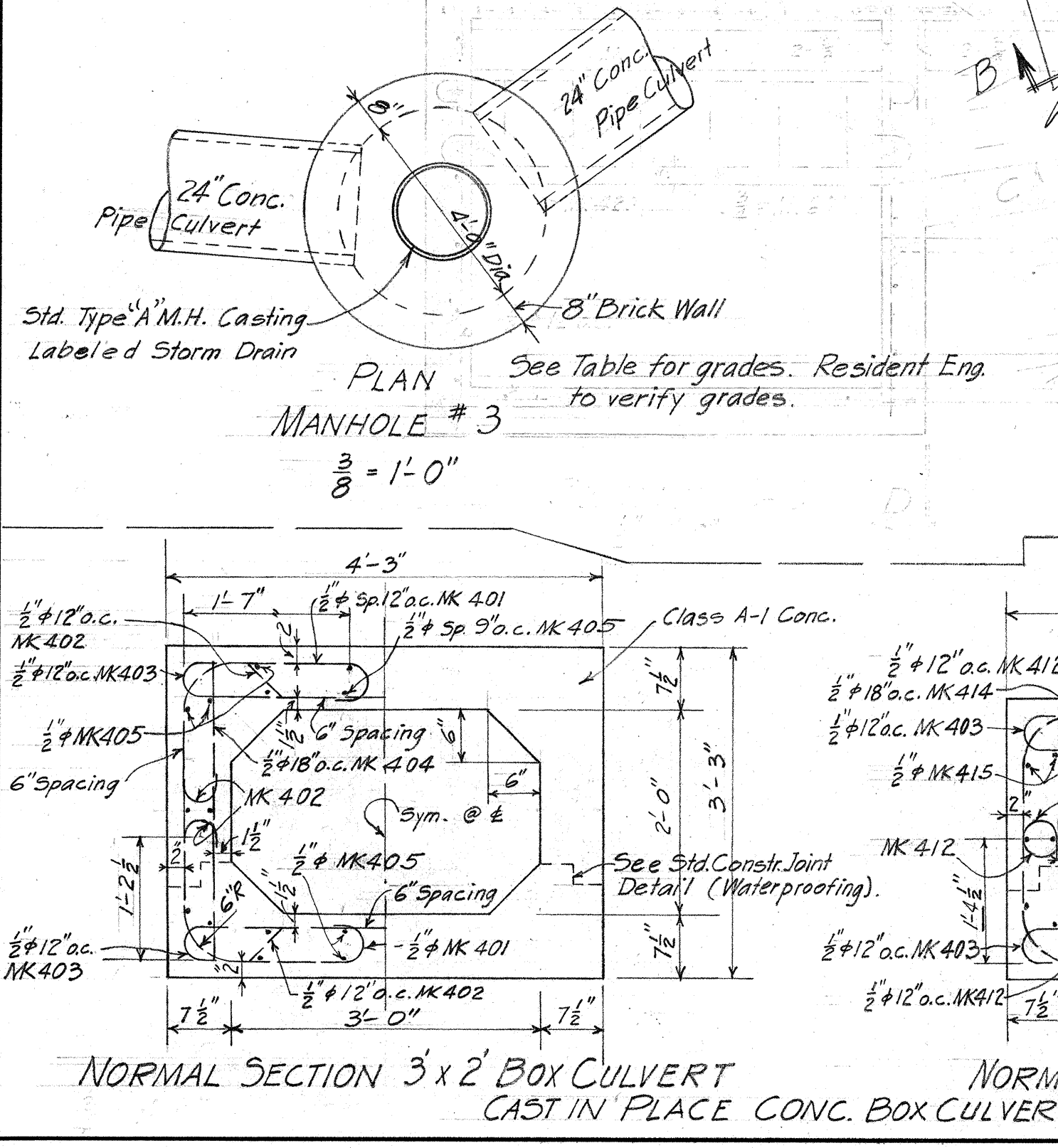
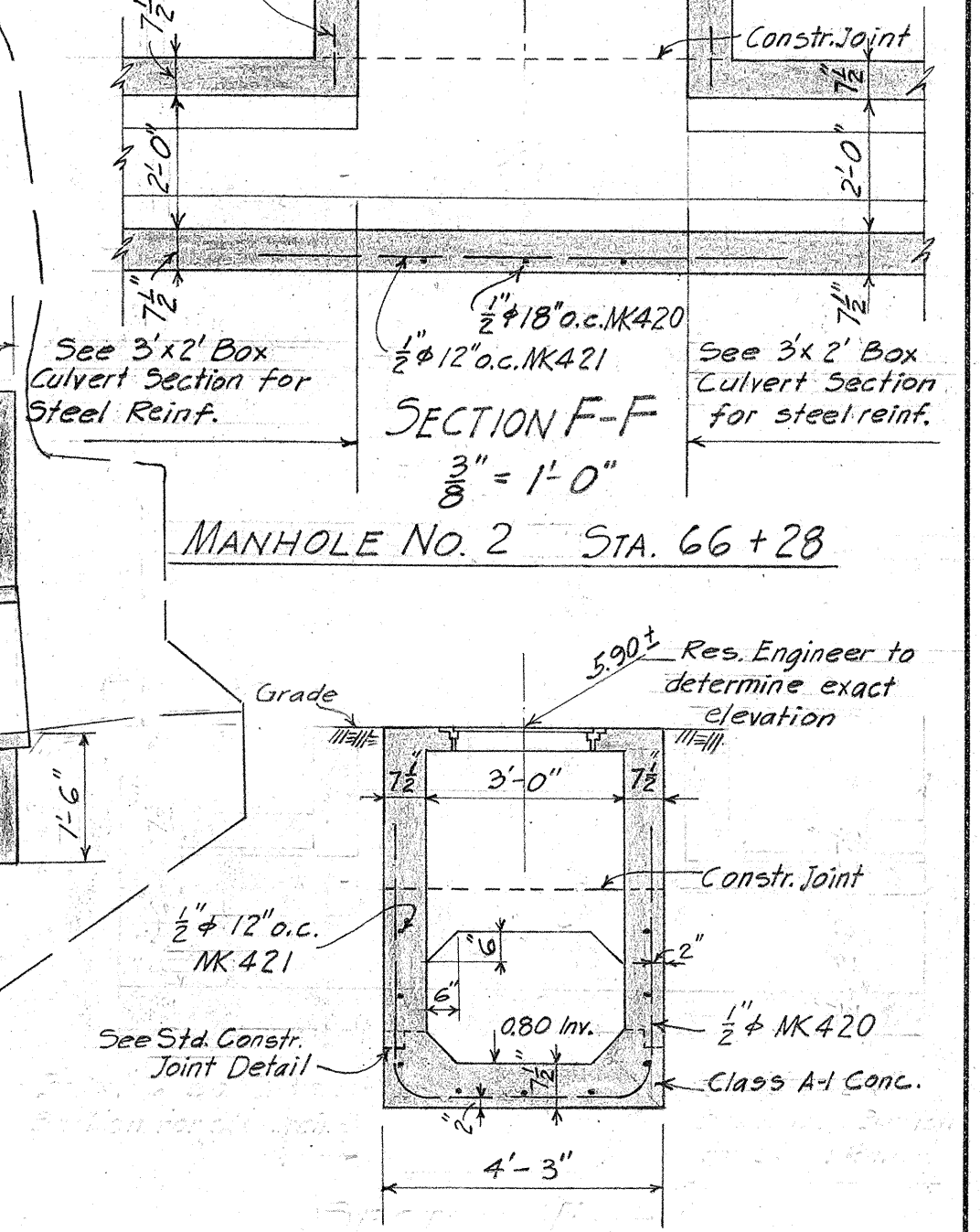
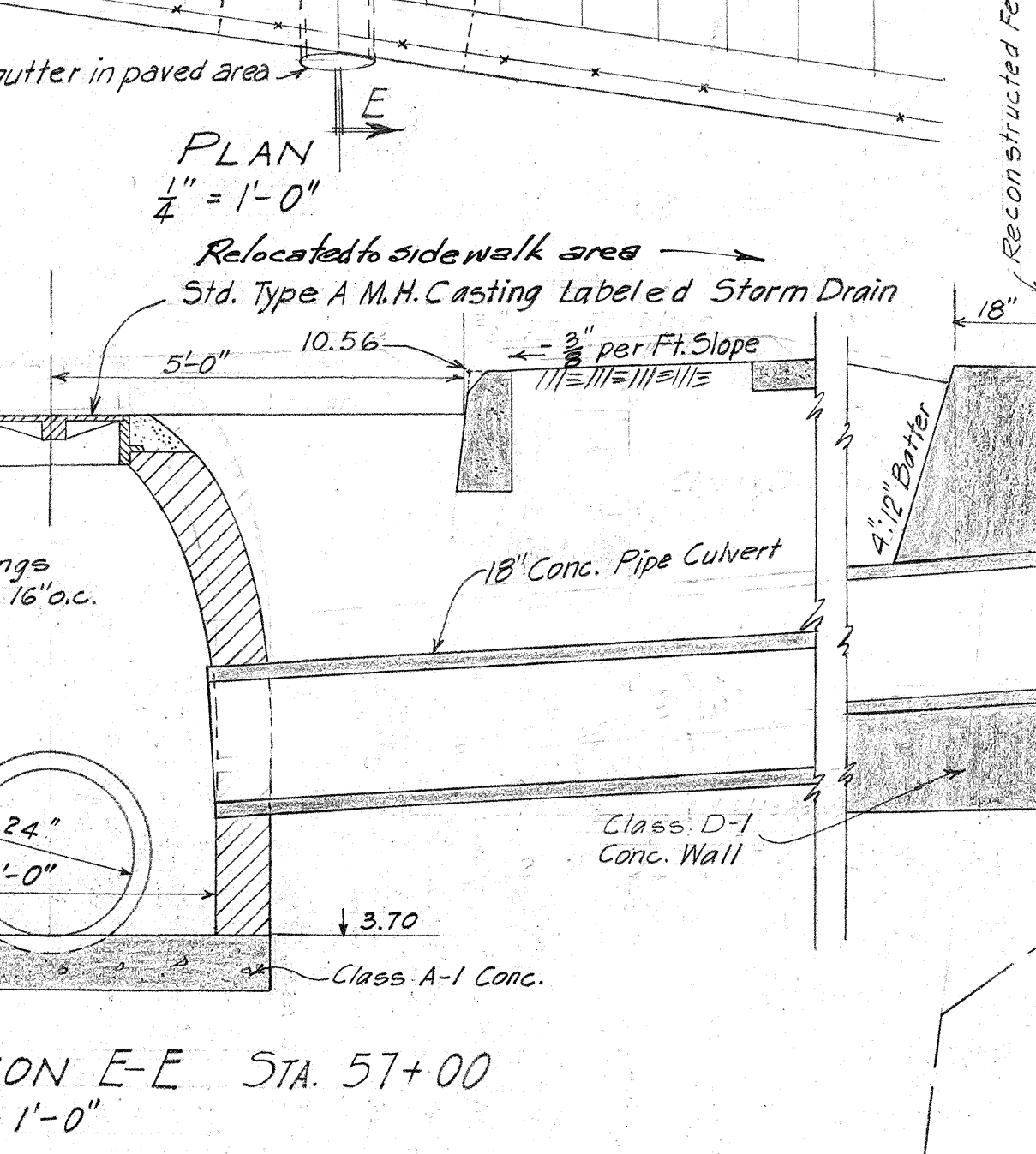
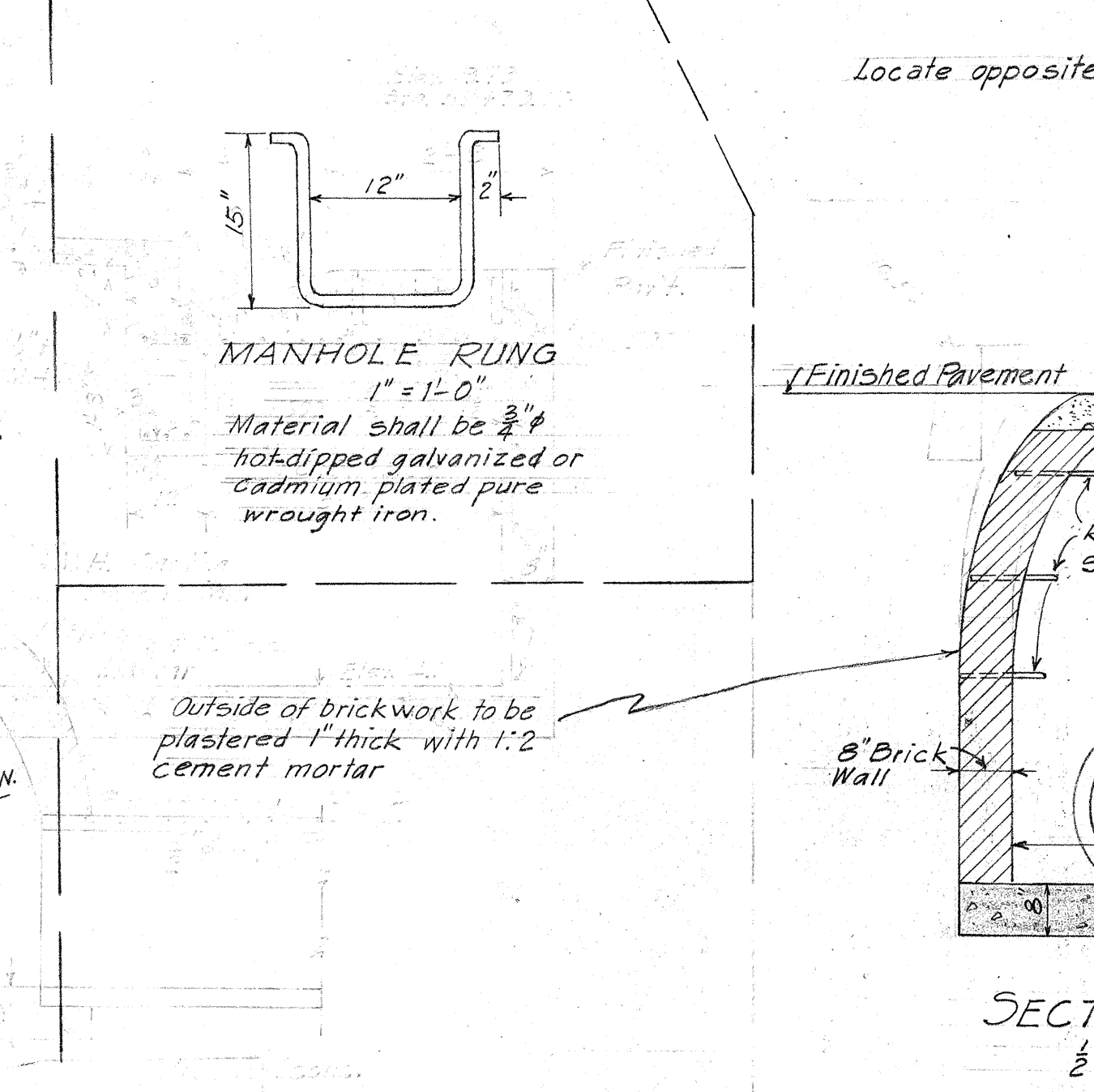
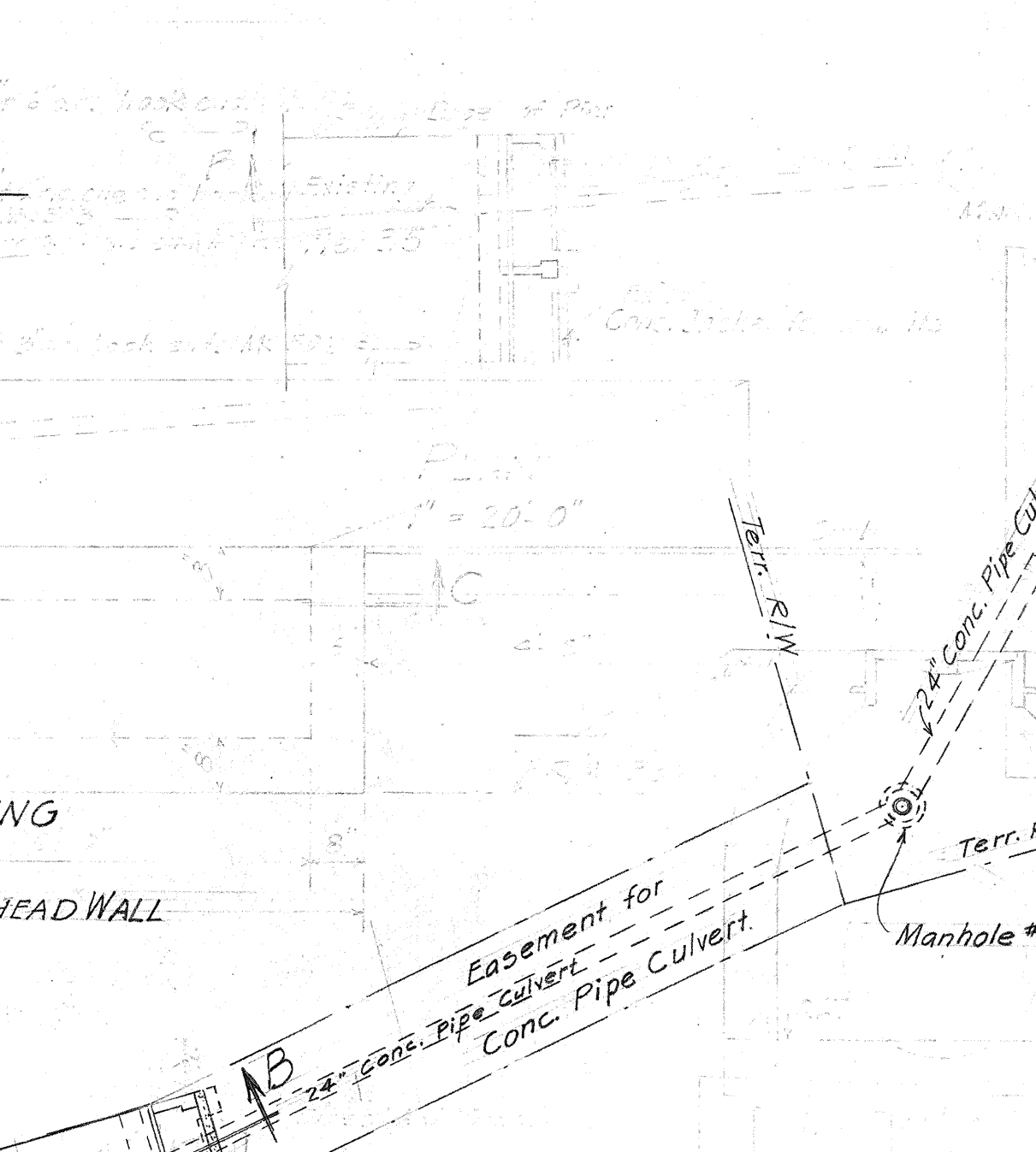
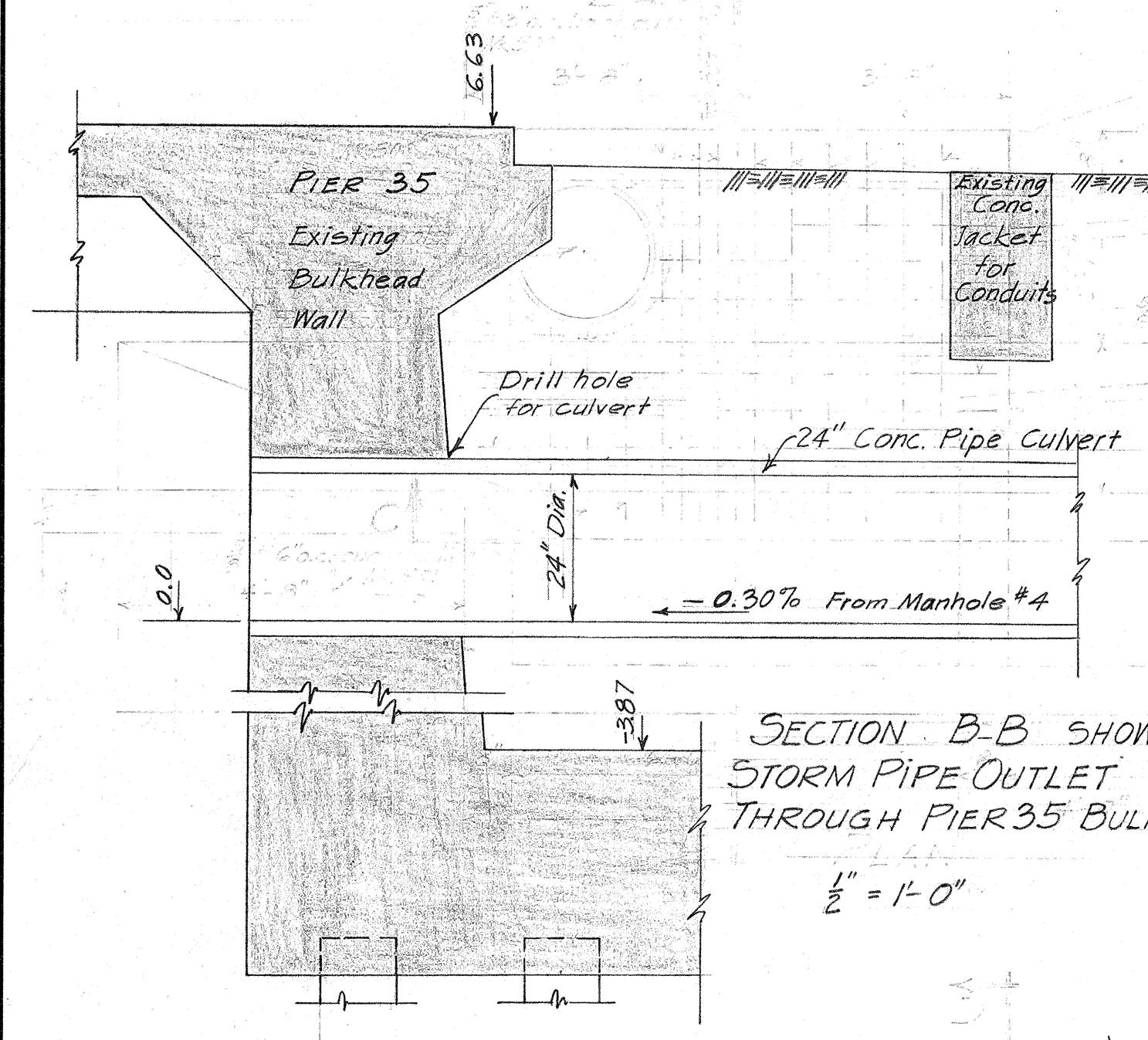
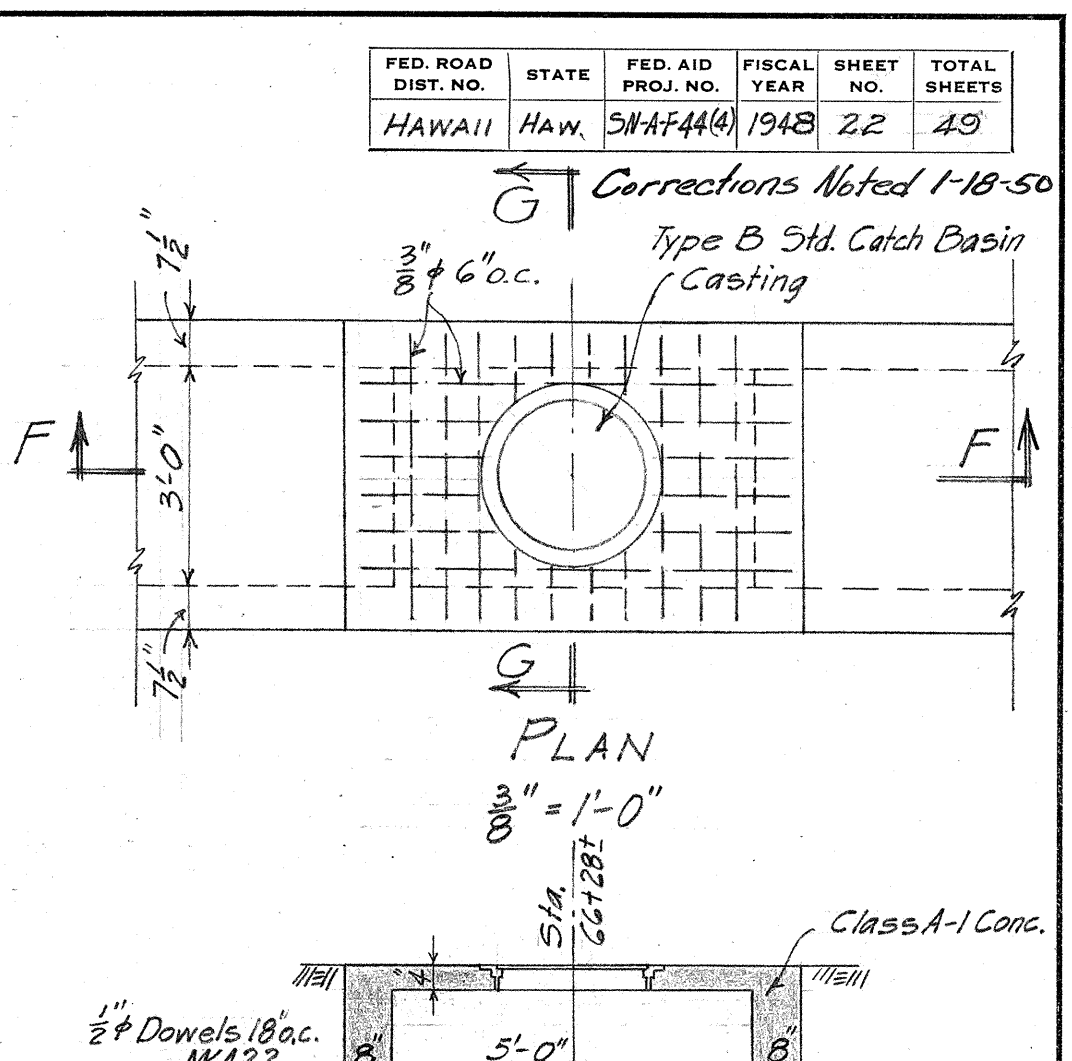
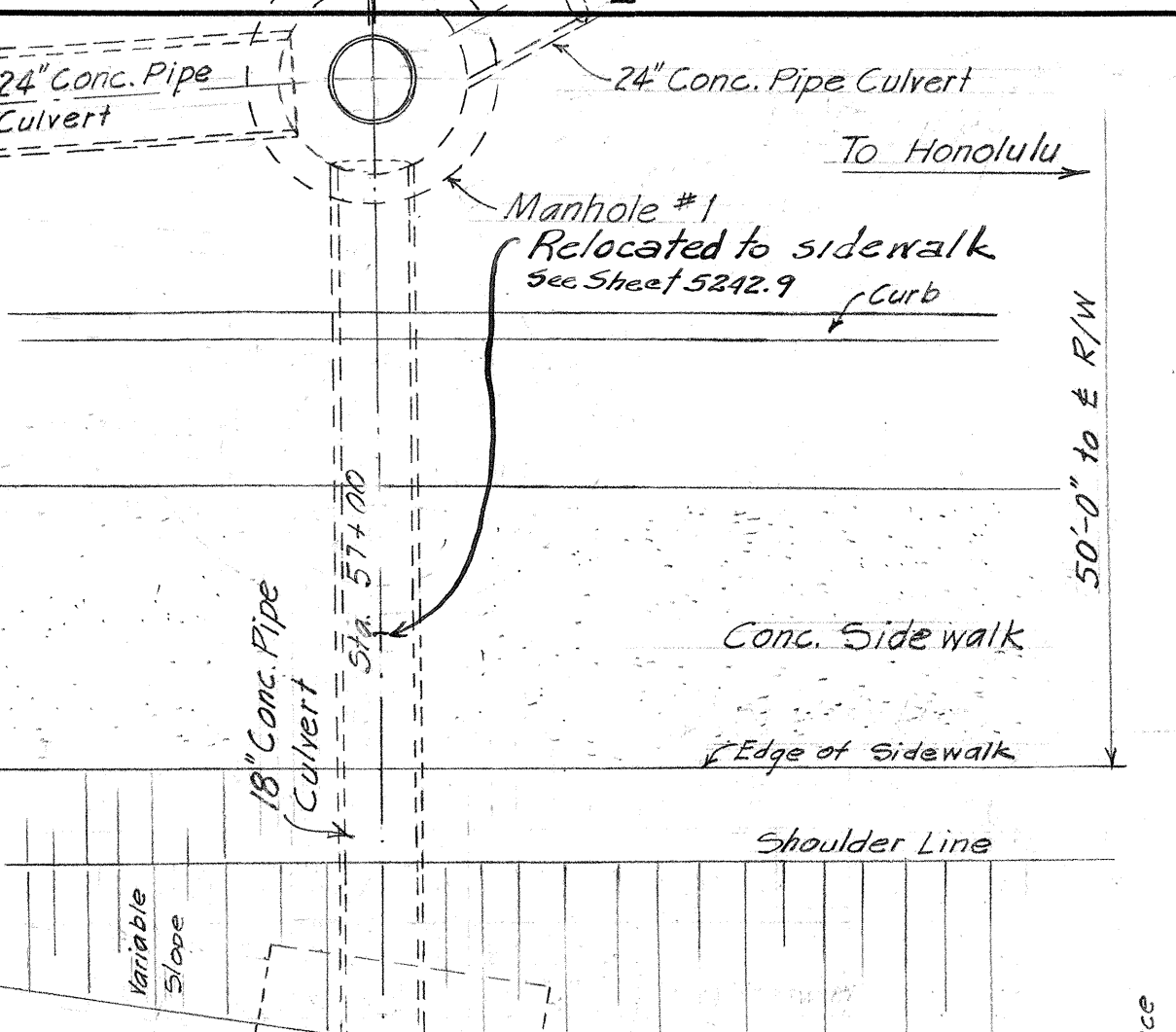
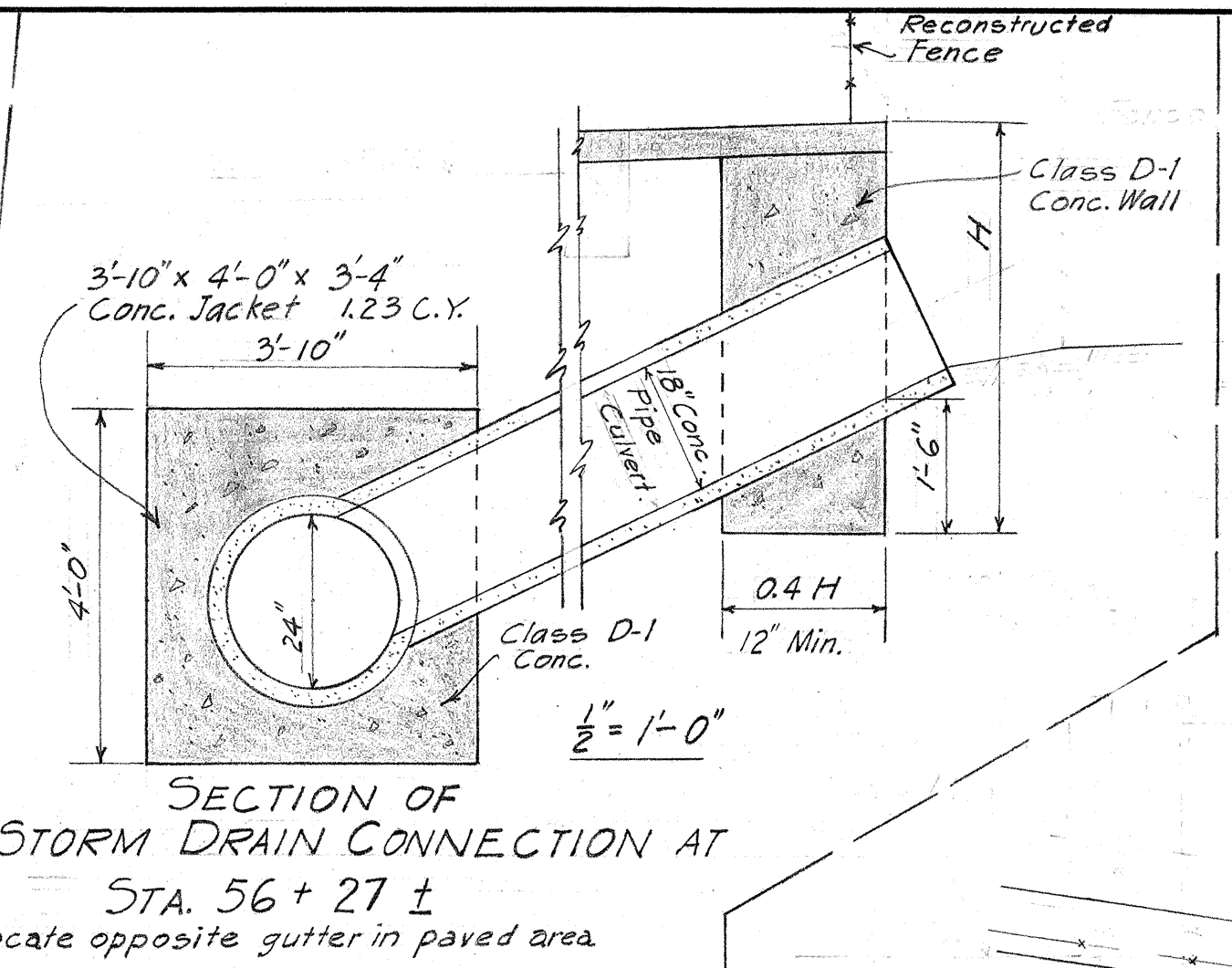
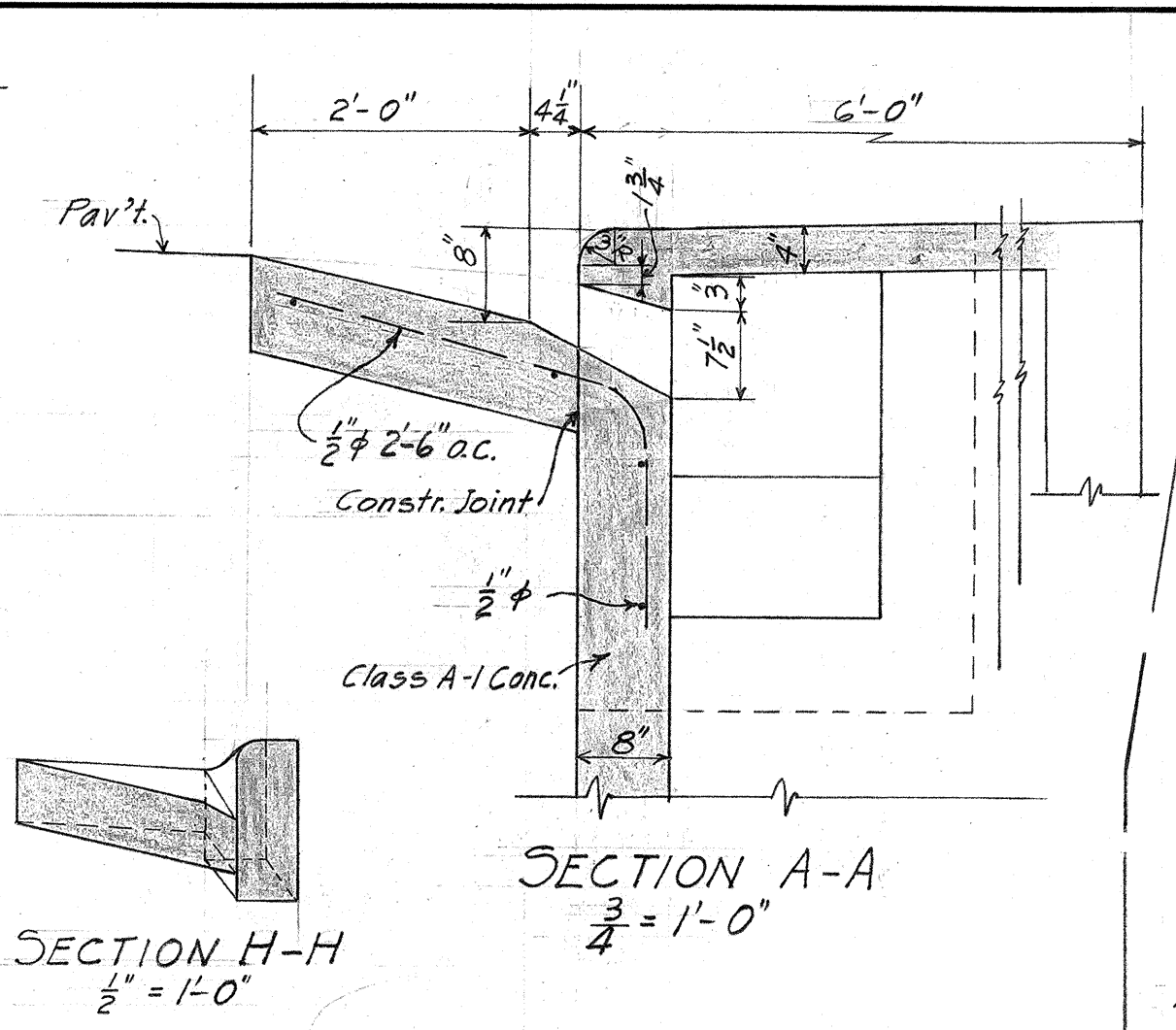
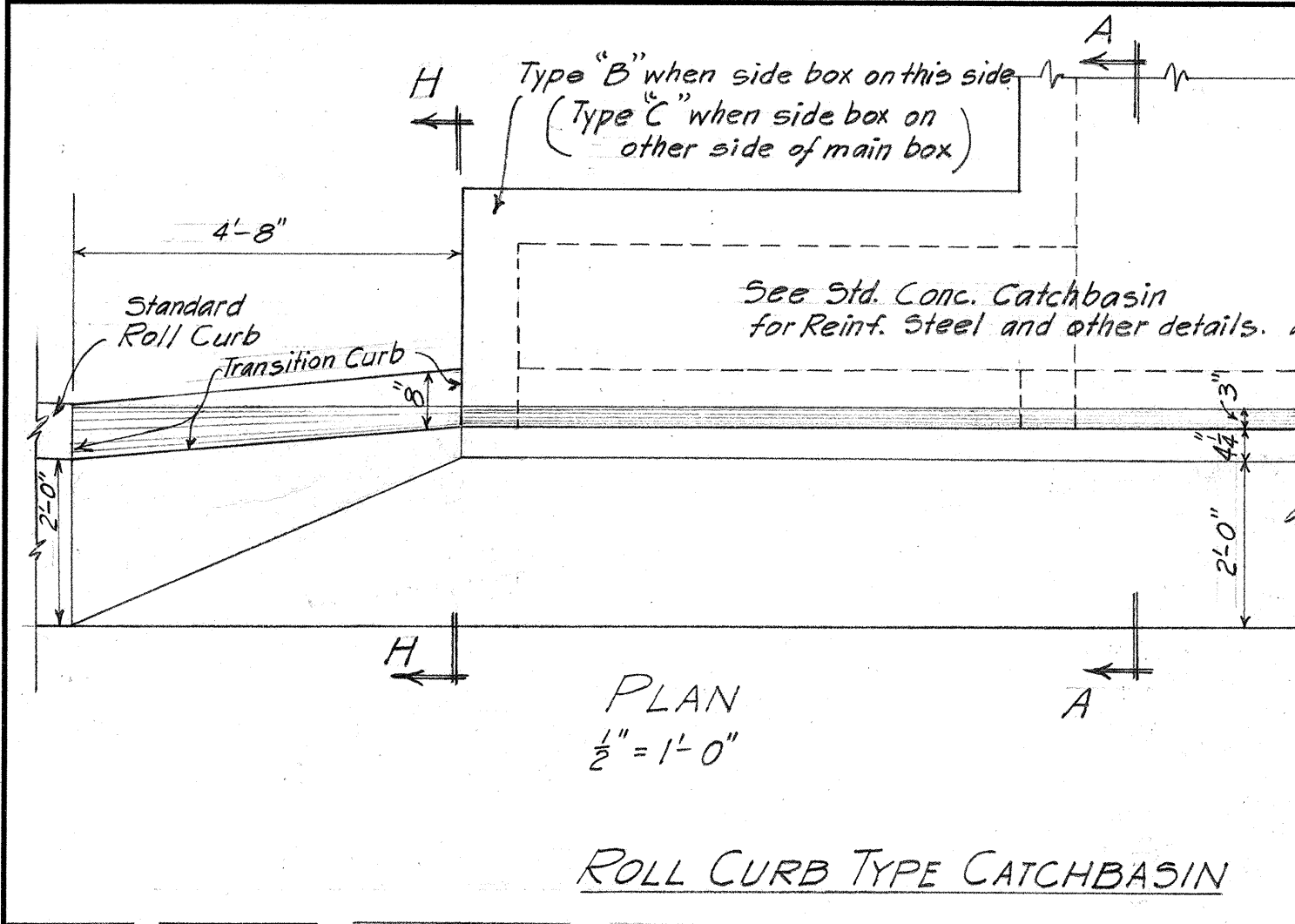


Corrections Noted 1-18-50



Note! Class A-1 concrete for box culverts shall contain an admixture of Tricosal Normal or equal as specified.

Note: 3'x2' and 3'x1'-10" Conc. Box Culverts may be either Cast in Place Type or Precast Type. See Sheet 5242.21 for details of Precast Type.

ESTIMATED QUANTITIES

Item	Type	Station	Top Curb Elev.	Top & Manhole Cover Elev.	Floor Inv. Elev.	Std. Manhole Casting A Type B	Conc. Pipe Culvert, Ft.	Struc. Exc. Cu. Yds.	Concrete Class A-1	Cu. Yds. Class B-1	Reinf. Steel Lbs.
Catch Basin #1	Std. "C"	55+79.77	9.69		4.10	1	335	224	5.72		104
Storm Drain Connection		56+27 ±					10	6		123	
18" Storm Drain to M.H. #1		57+00					21	2			
Catch Basin #2	Std. "A"	59+00	8.52		3.10	1	344	241	6.79		137
Catch Basin #3	Std. "C"	62+55	7.88		2.60	1	16	15	5.61		104
Catch Basin #4	Std. "C"	62+19	7.84		2.40	1	16	20	5.69		104
Catch Basin #5	Std. "B"	64+00	7.32		2.10	1	32		5.56		104
Catch Basin #6	Std. "B"	Service Rd. to Pier 36 Sta. 146.0 R	4.24		1.08	1	39	102	82	4.23	1448
Catch Basin #7	Std. "C"	Service Rd. to Pier 36 Sta. 146.5 L	4.22		1.20	1		12	4.26		104
Catch Basin #8	Std. "B"	68+50 R	5.24		1.50	1	181	9	4.37		112
Connection C.B. #8 to Culverts		68+50 R			1.50			6	2.41		196
Manhole #2		66+28 ±		5.90 ±	0.80	1			2.38		99
3'x2' Box Culvert		Sta. 65+42 to Sta. 67+10						352	88.26		13,739
3'x1'-10" Box Culvert		Sta. 67+10 to C.B. #8									
Catch Basin #9	Roll Curb "B"	68+50	6.26		1.70	1	52	27	5.22		147
Catch Basin #10	Std. "A"	Service Rd. to Pier 36	5.16		1.07	1	108	73	4.89	16.0	104
Catch Basin #11	Std. "A"	76+75 L	4.91		1.16	1	132	95	5.85	17.3	137
Catch Basin #12	Std. "A"	Service Rd. to Pier 36	4.53		0.74	1	238	195	3.26	10.0	74
Catch Basin #13	Std. "C"	69+82+47.38	5.54		1.15	1	42	26	5.06		104
Catch Basin #14	Std. "B"	69+82+47.38	5.54		1.00	1	58	42	5.04		104
Catch Basin #15	Roll Curb "B"	76+75 L	4.63		0.80	1	44	34	4.79	(NOT IN CONTRACT)	147
Catch Basin #16	Std. "C"	76+75 L	4.85		0.80	1	43	40	4.92	"	104
Catch Basin #17	Std. "B"	76+72 ± R	4.85		0.89	1			3.42		95
Catch Basin #18	Std. "B"	76+85+56	5.35		1.00	1	70	55	5.02	(NOT IN CONTRACT)	112

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
DETAILS OF
MANHOLE, STORM DRAIN, ETC.

HONOLULU PEARL HARBOR RD. 51A-F44-(4)
February, 1947

SHEET No. 22 OF 49 SHEETS

5242.22