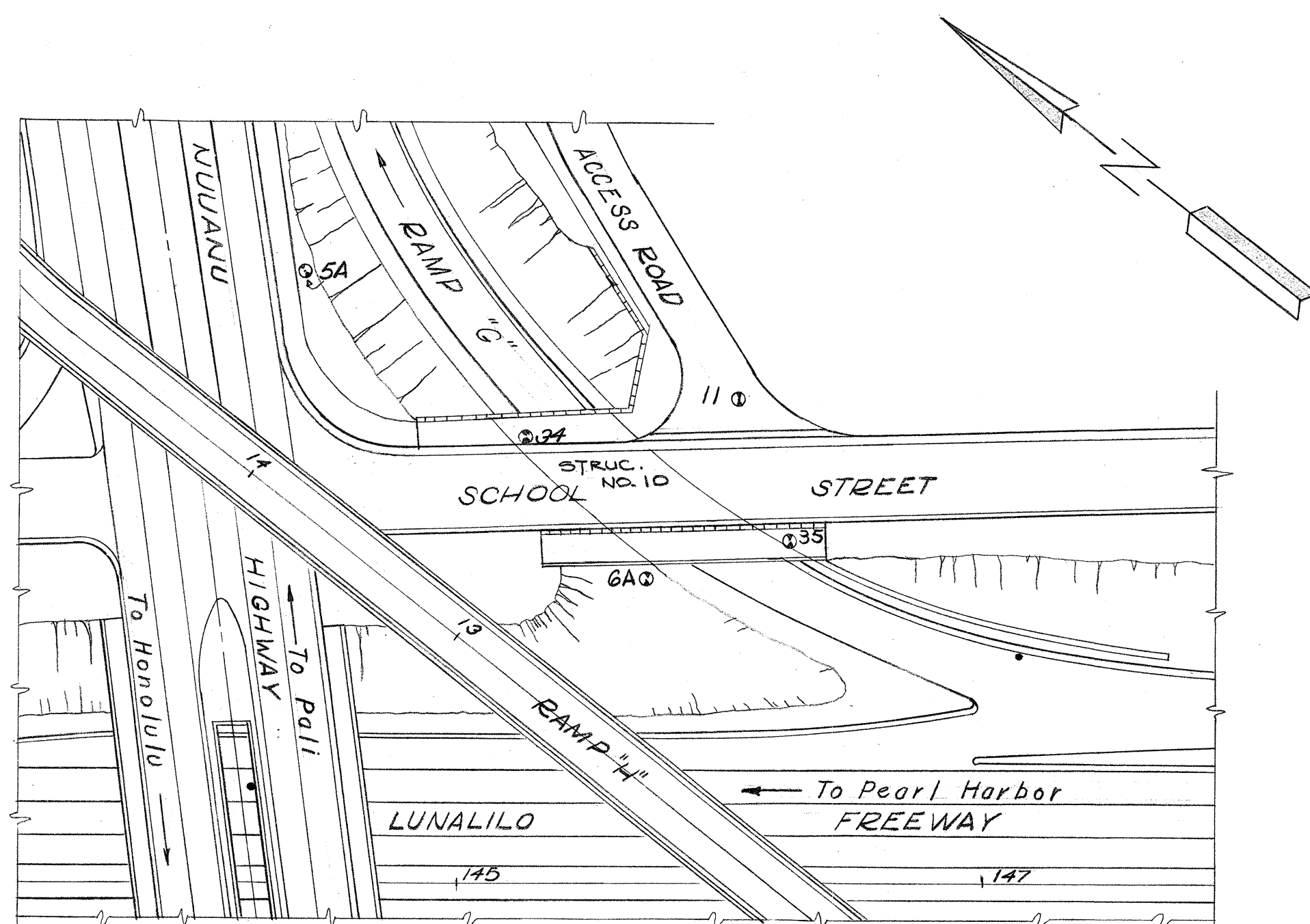


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-061-1(6) UNIT 4	1958	138	148



LOCATION PLAN
Scale 1"=50ft.

GENERAL NOTES

MATERIALS

- All concrete class A-1 unless otherwise noted on plans
- All steel reinforcement shall be intermediate grade

CONSTRUCTION METHODS

- Curb & sidewalk on bridge shall not be poured until after release of falsework
- Placing of backfill at bridge shall not be started until after the concrete in the superstructure has reached a strength of 3000 lbs. per square inch. The fill must be brought up evenly and simultaneously at both ends of the structure so as to avoid one sided earth pressure.
- For concrete finish - See Standard Specifications.

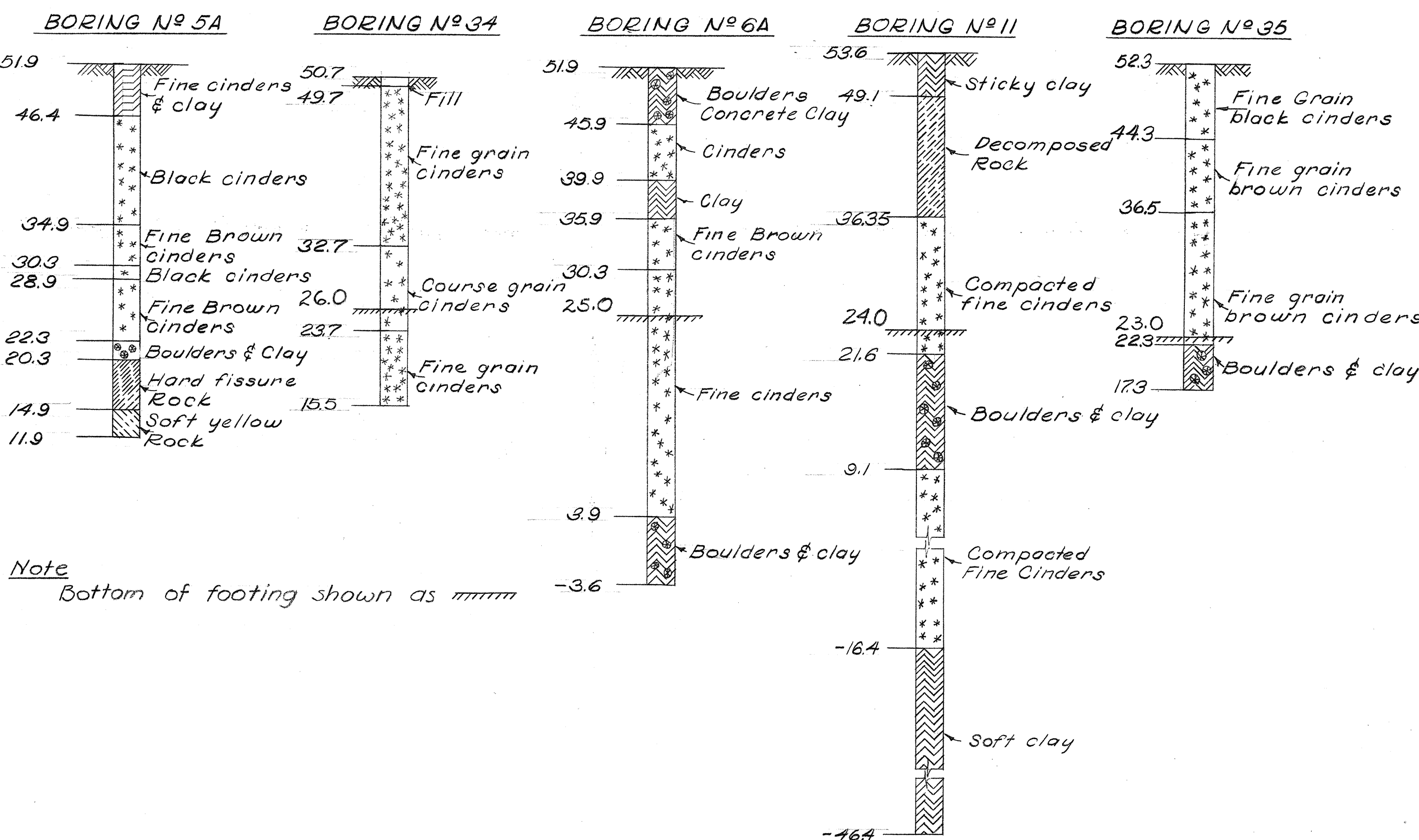
- Footings shall be poured to neat lines as shown. In case of overexcavation, space between footing and ground shall be filled with concrete at the Contractor's expense. This fill concrete shall have a minimum quality of class D-1.

D RIP

- 4 inch drip shall be used thruout, instead of 3 inch drip shown in the Standard Bridge Detail.

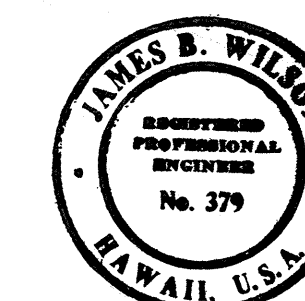
ESTIMATED QUANTITIES

- Concrete Lump sum (1240 cu. yds.)
- Reinforcing Steel Lump sum (146,875 lbs.)
- Structural Excavation 2300 C.Y.
- A. C. Pavt. Mix No. V 17.4 Tons
- Bituminous Tack Coat 52 Gal.
- Filter Material 298 C.Y.
- Aluminum Railing 262 Lin. Ft.
- Treated Timber 0.9 M.B.M. (Trench Cover)



Note
Bottom of footing shown as mmmmm

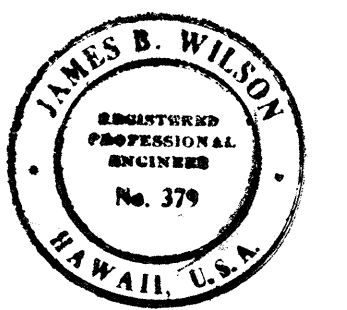
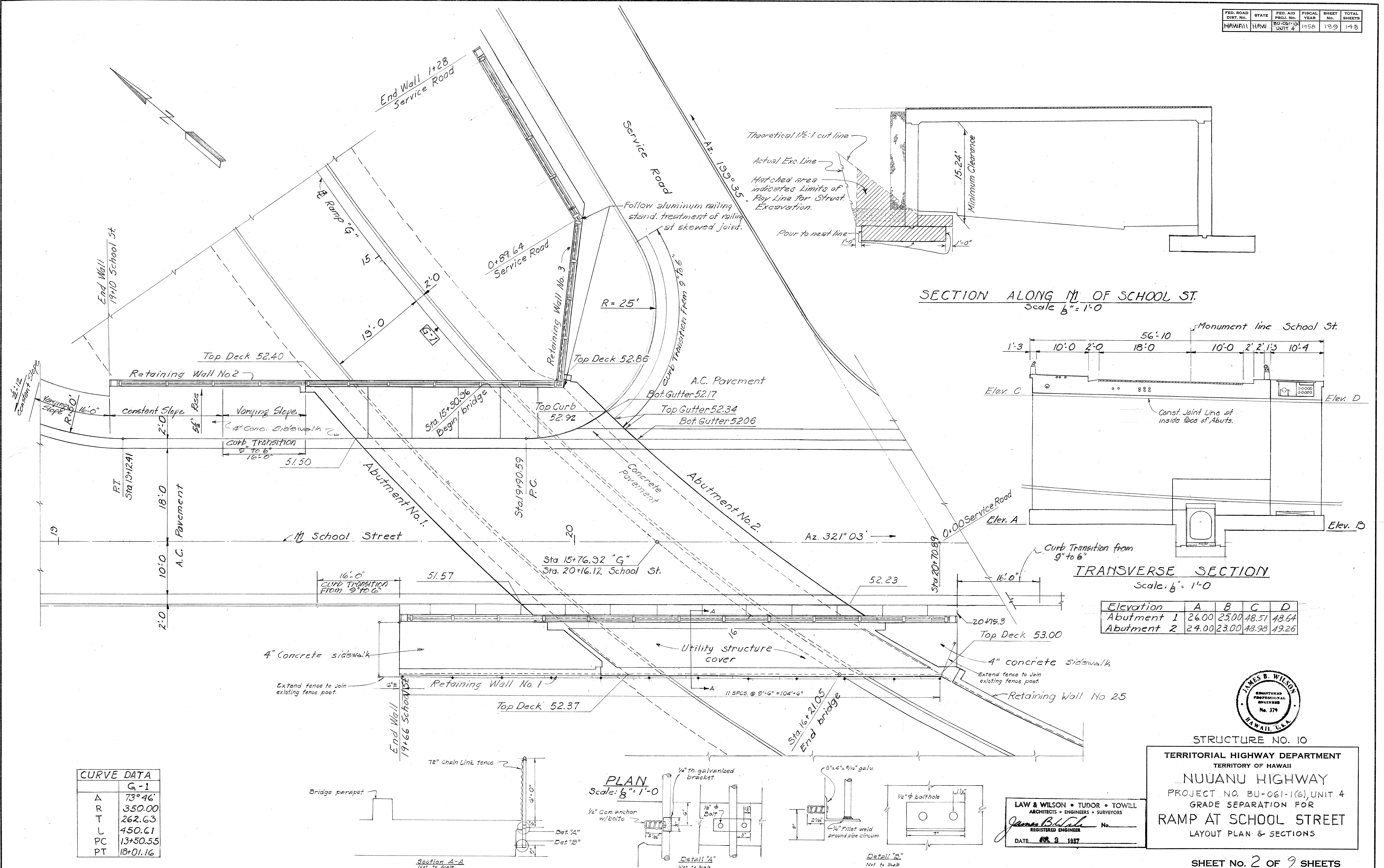
LOG OF BORINGS
Scale 1"=10ft.



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James B. Wilson
REGISTERED ENGINEER
DATE JUL 3 1957

STRUCTURE NO. 10
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
NUUANU HIGHWAY
PROJECT NO. BU-061-1(6) UNIT 4
GRADE SEPARATION FOR
RAMP AT SCHOOL STREET
LOCATION PLAN & BORINGS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HW	BU-061-1(6) UNIT 4	1958	129	148



STRUCTURE NO. 10
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
NUUANU HIGHWAY
PROJECT NO. BU-061-1(6) UNIT 4
GRADE SEPARATION FOR
RAMP AT SCHOOL STREET
LAYOUT PLAN & SECTIONS

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James B. Wilson
REGISTERED ENGINEER
DATE JUL 3 1957

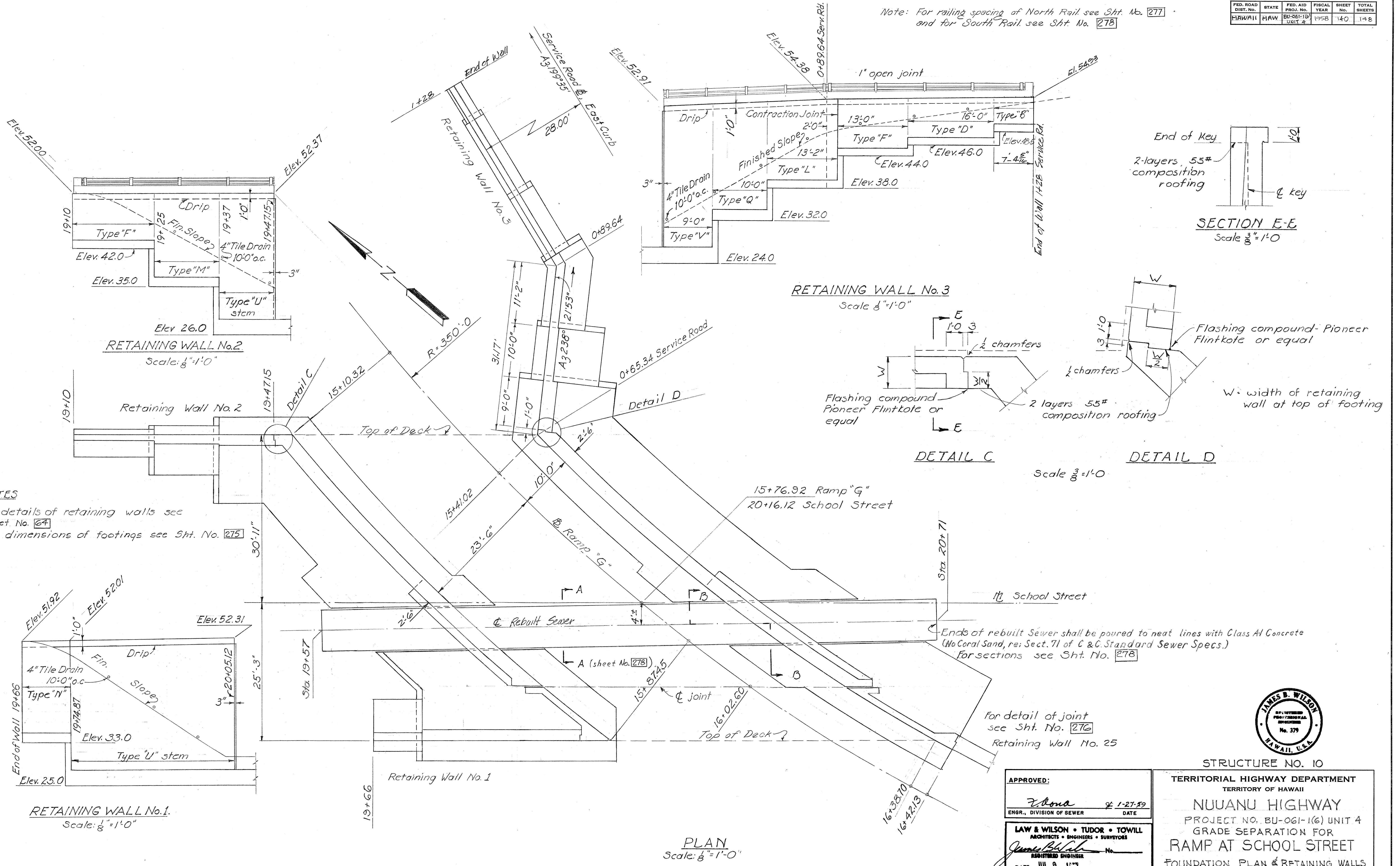
SHEET NO. 2 OF 9 SHEETS

.S146 (2).139 271

DATE	6-21-57
SURVEY PLOTTED BY	LEG
DESIGNED BY	LEG
DRAWN BY	LEG
QUANTITIES CHECKED BY	LEG
NOTE BOOK NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	BU-061-16	1958	140	148

Note: For railing spacing of North Rail see Sht. No. 277
and for South Rail see Sht. No. 278

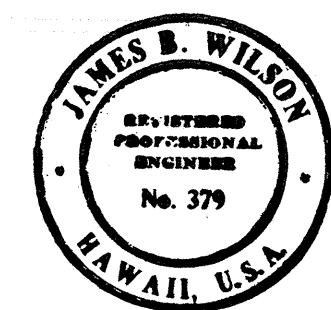
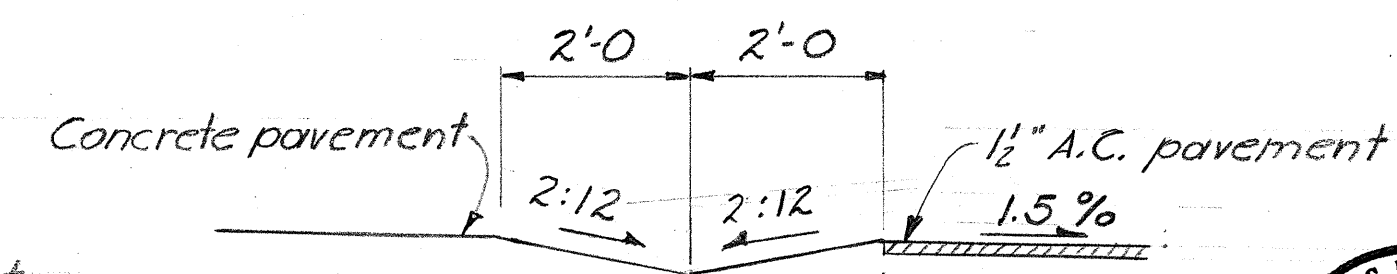
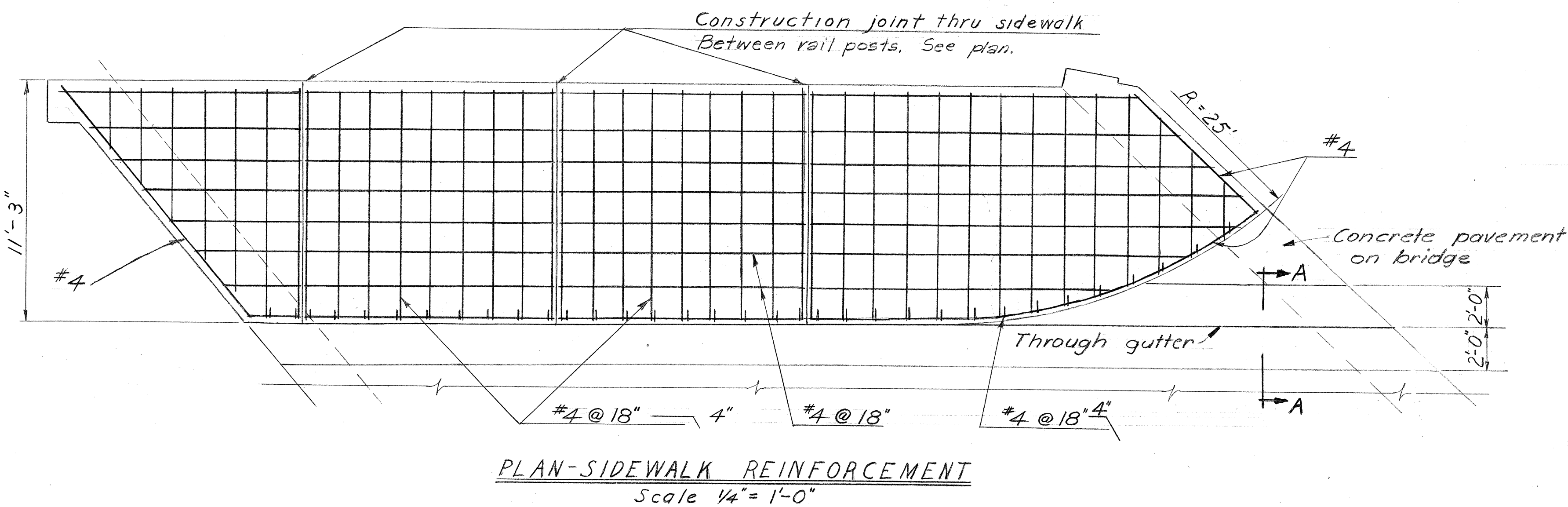
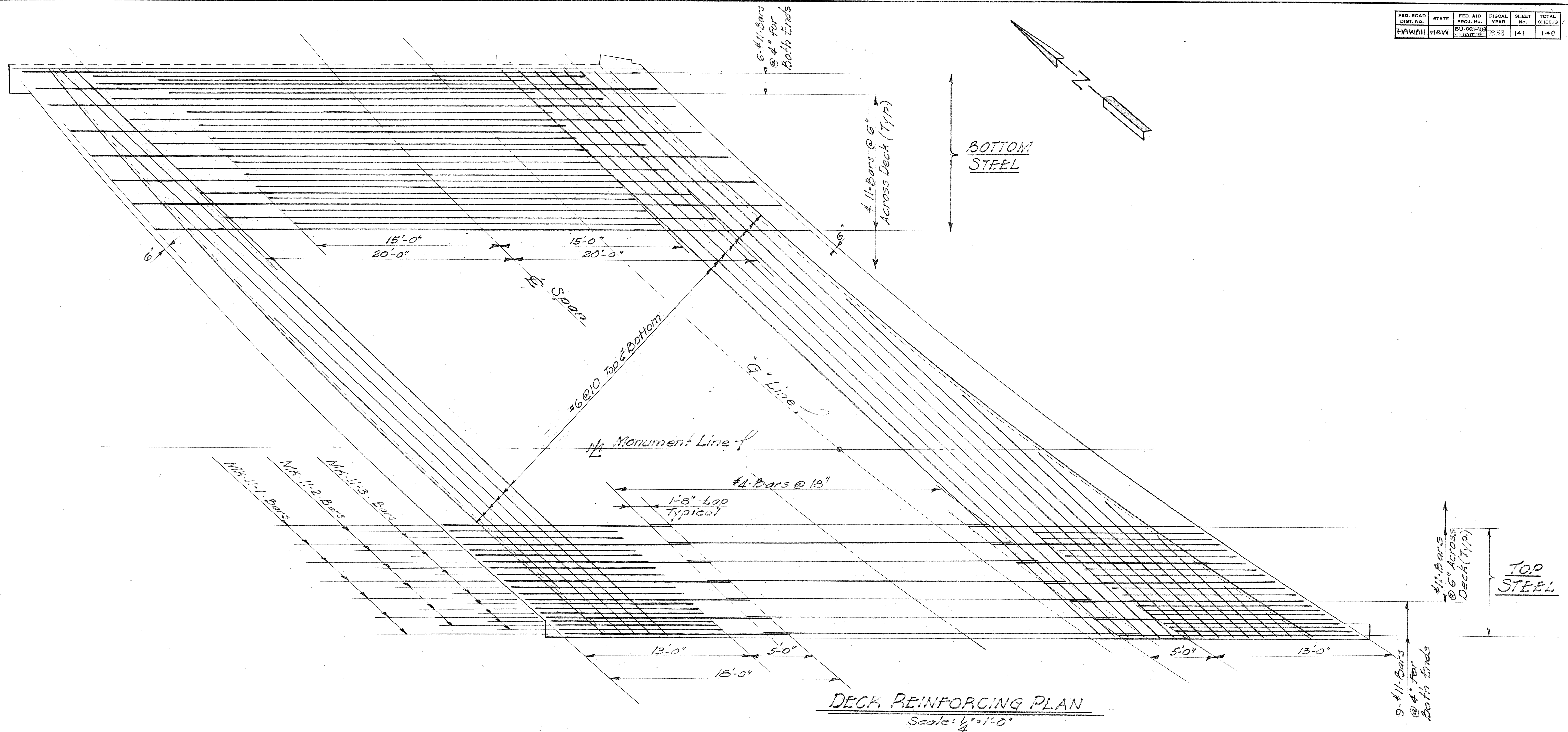


NOTES

For details of retaining walls see Sheet No. 274
For dimensions of footings see Sht. No. 275

SURVEY PLOTTED BY	DATE
DESIGNED BY	
DRAWN BY	
CHECKED BY	
QUANTITIES CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BU-061-1(6)	1958	141	148



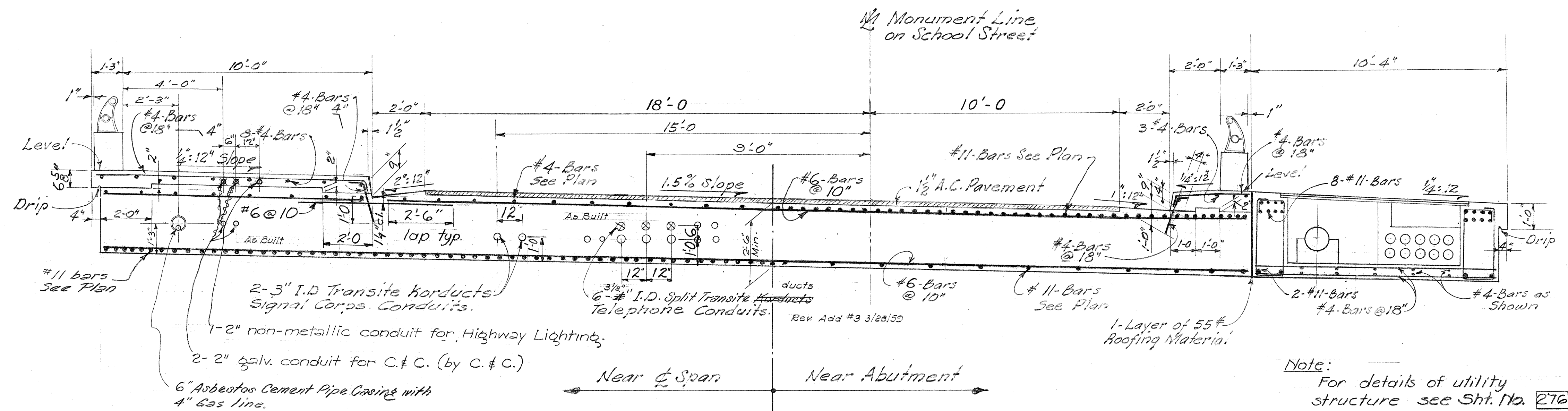
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James B. Ball
REGISTERED ENGINEER
DATE JUL 3 1957

STRUCTURE NO. 10
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
NUUANU HIGHWAY
PROJECT NO. BU-061-1(6), UNIT 4
GRADE SEPARATION FOR
RAMP AT SCHOOL STREET
DECK REINFORCING PLAN

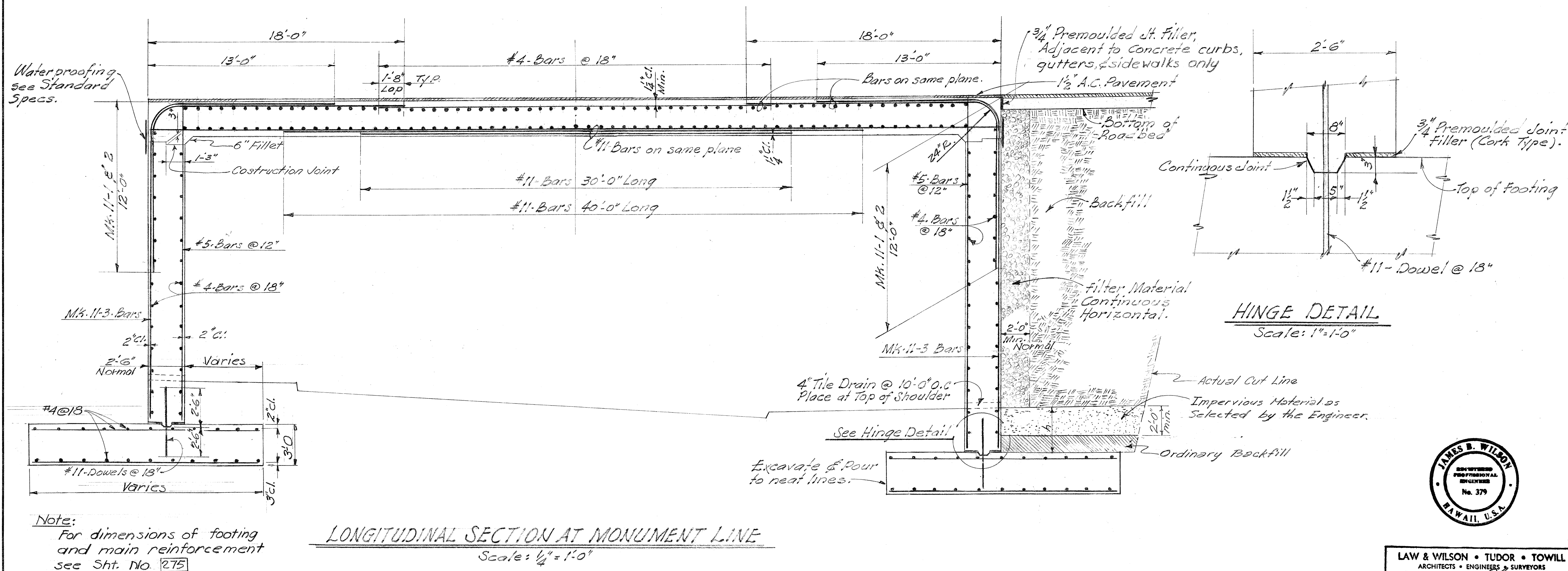
SHEET NO. 4 OF 9 SHEETS

.8146 (2).141 273

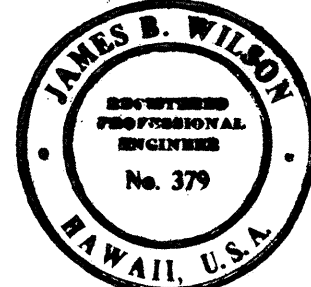
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	BU-061-1(6) UNIT 4	1958	148	148



TRANSVERSE SECTION
Scale: $\frac{3}{8}$ " = 1'-0"



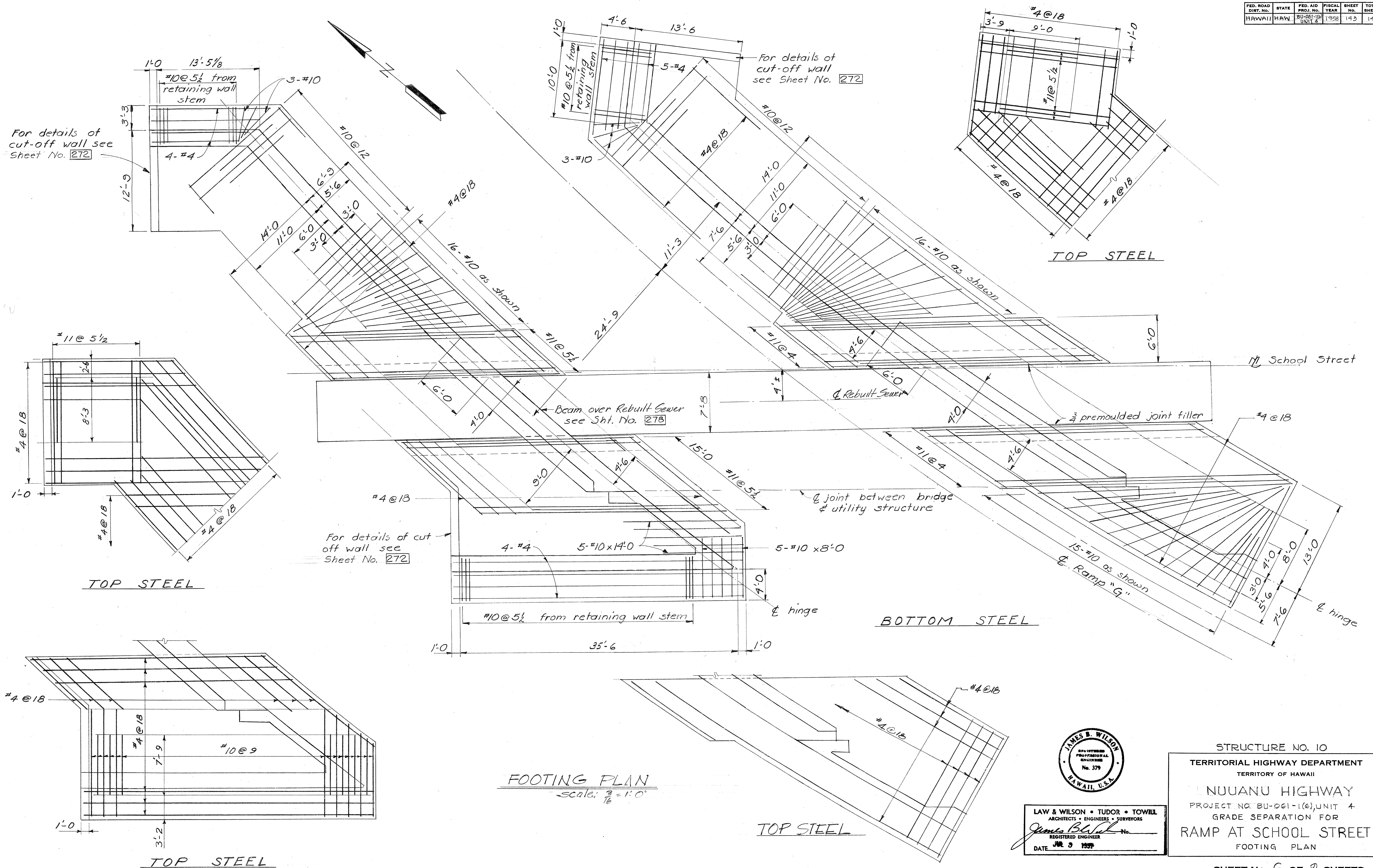
HINGE DETAIL
Scale: 1" = 1'-0"



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DATE JUL 9 1957

STRUCTURE NO. 10
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
NUUANU HIGHWAY
PROJECT No. BU-061-1(6), UNIT 4
GRADE SEPARATION FOR
RAMP AT SCHOOL STREET
SECTIONS & DETAILS

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW	BU-061-16 UNIT 4	1958	143	148



STRUCTURE NO. 10

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

NUUANU HIGHWAY

PROJECT NO. BU-061-1(6), UNIT 4

GRADE SEPARATION FOR

RAMP AT SCHOOL STREET

FOOTING PLAN

FOOTING PLAN

SHEET No. 6 OF 9 SHEETS

.S 146 (2).143 275

[illegible]

Scale: $\frac{1}{4}'' = 1'-0''$

Note

more
Duct encasement shall
not be poured until
the falsework is removed

Scale: $\frac{1}{2}'' = 1'-0''$

NOTES

For additional utility details see Sht. No. 277
For details of utility structure cover
see Sht. No. 278

Scale: $\frac{1}{4}'' = 1'-0''$

Scale: $3'' = 1'-0''$

Scale $1'' = 1'-0''$

Scale: $\frac{1}{4}'' = 1'-0''$

Scale: $\frac{1}{4}'' = 1'-0''$



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

PROJECT No. BU-061-1(6) UNIT 4

GRADE SEPARATION FOR
RAMP AT SCHOOL STREET

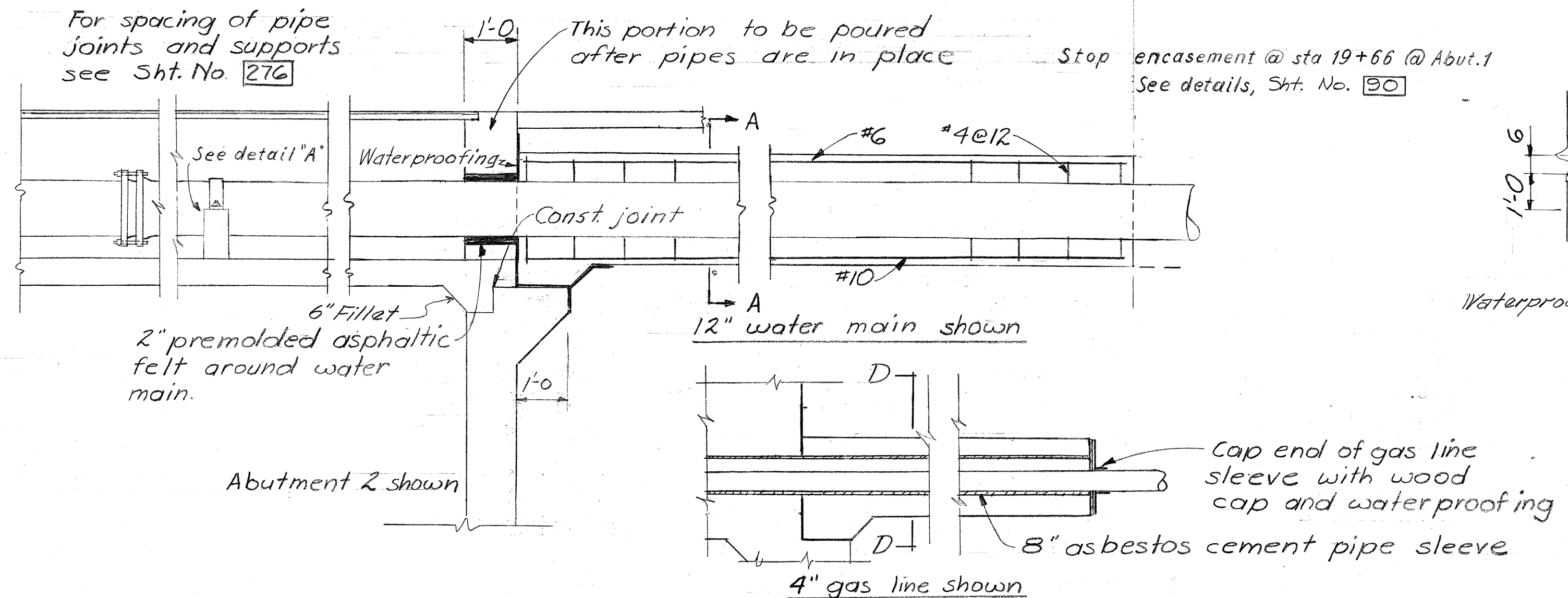
UTILITY STRUCTURE DETAIL

SHEET No. 7 OF 9 SHEETS

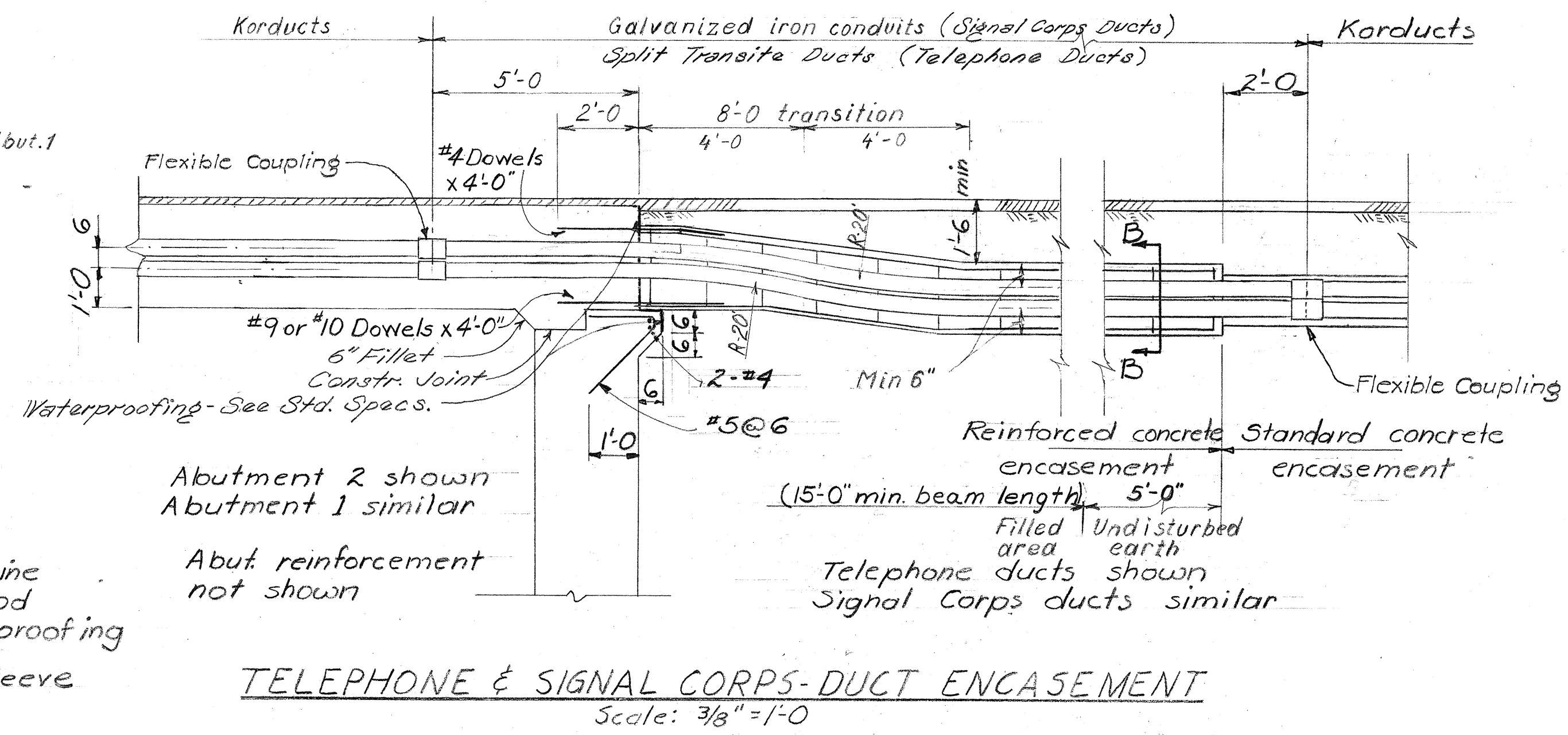
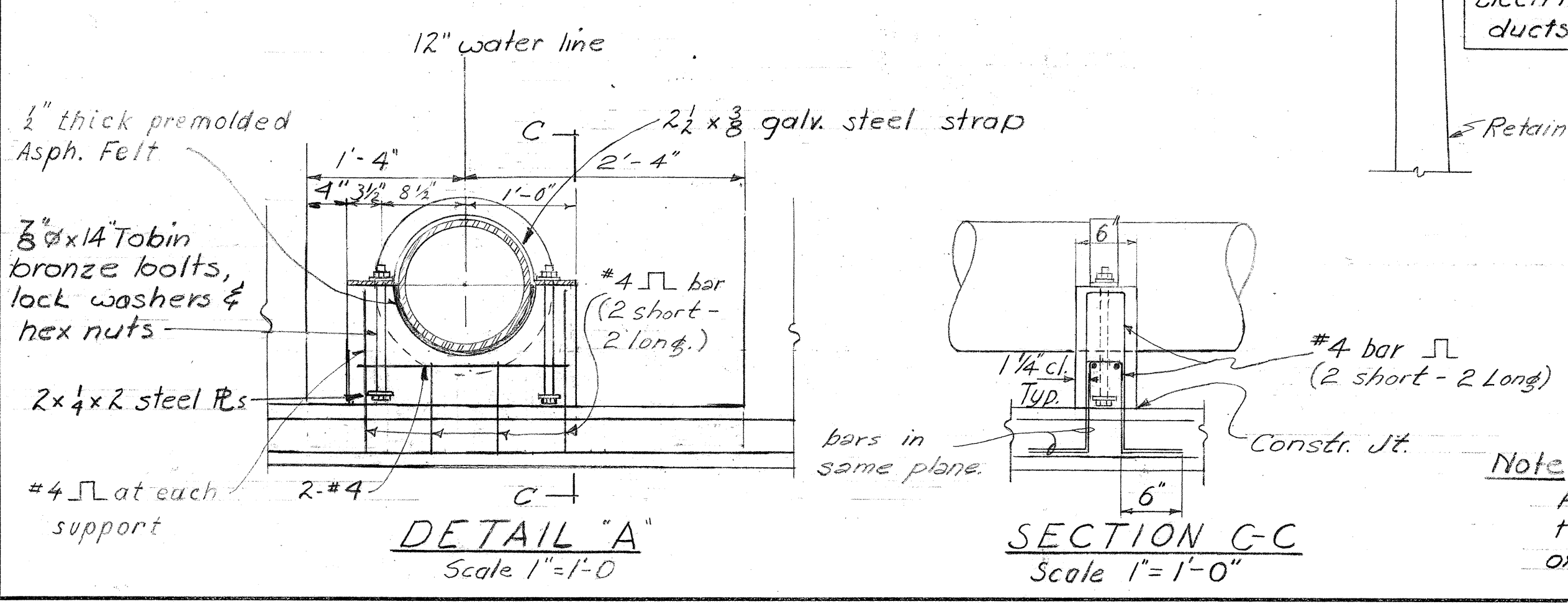
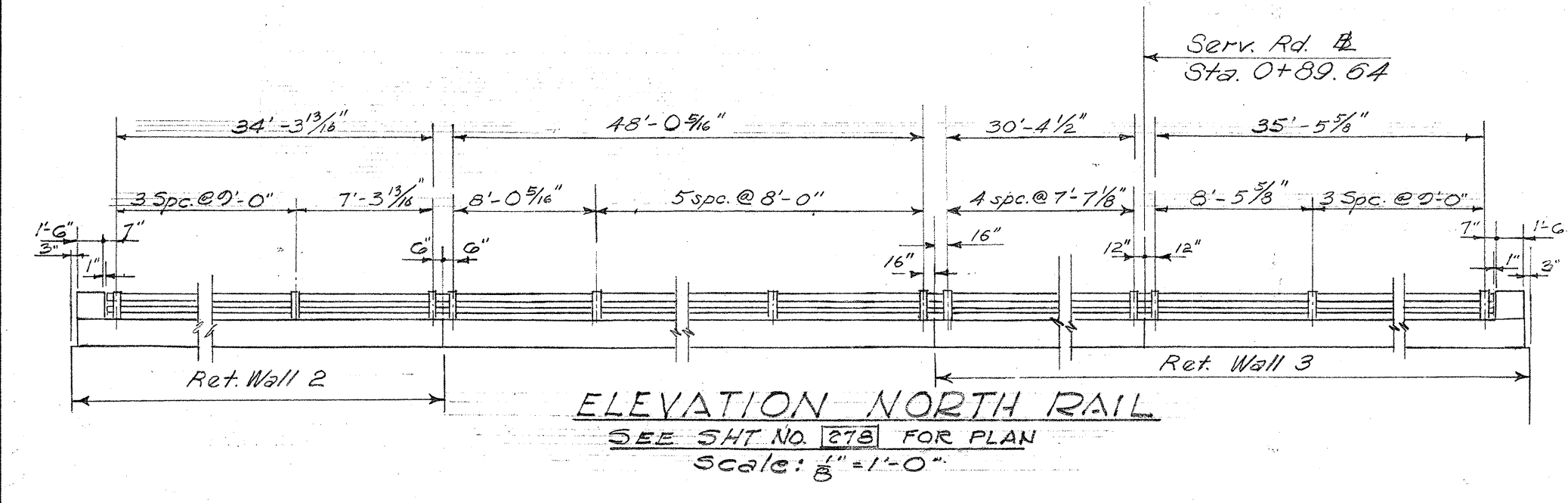
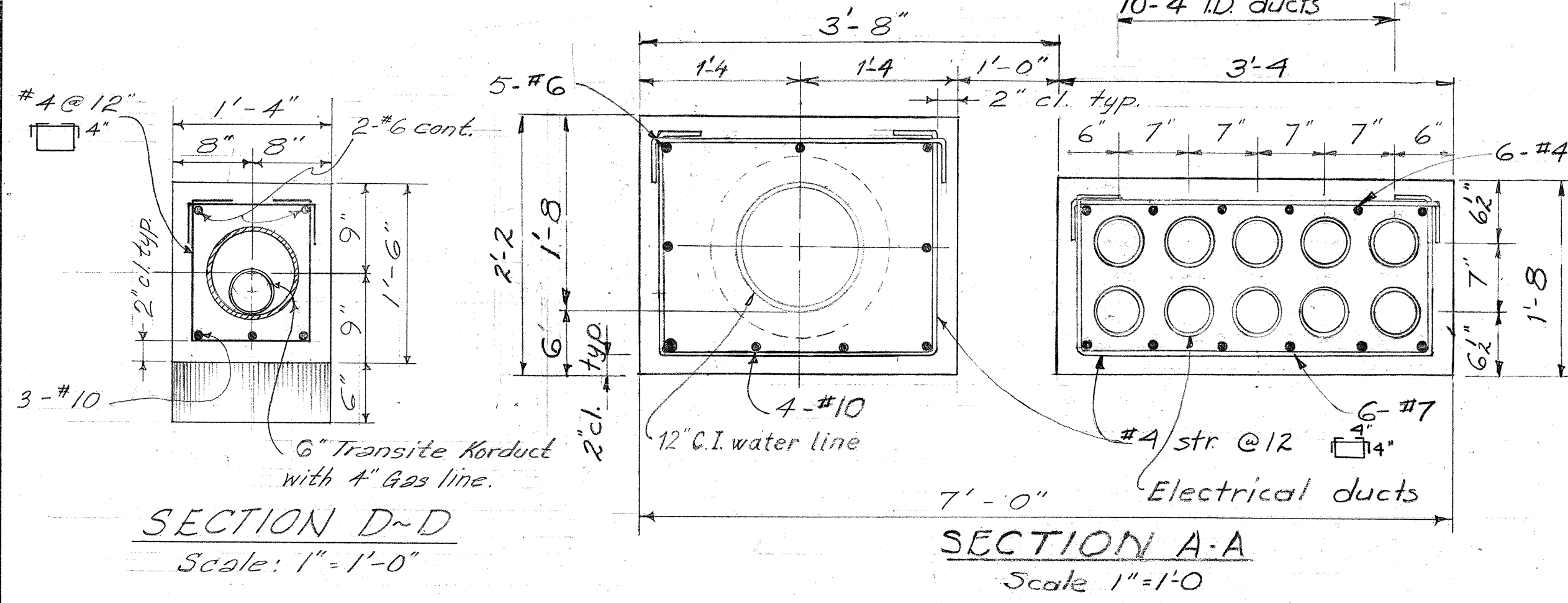
. S 146 (2).144 276

ORIGINAL	SURVEY PLOTTED BY	DATE
PLAN	DESIGNED BY <i>PL</i>	"
	DRAWN BY <i>GIDON</i>	"
	TRACED BY	"
NOTE BOOK	QUANTITIES BY	"
NO.	QUANTITIES CHECKED BY	"
	CHECKED BY <i>PL</i>	<i>6-21-57</i>

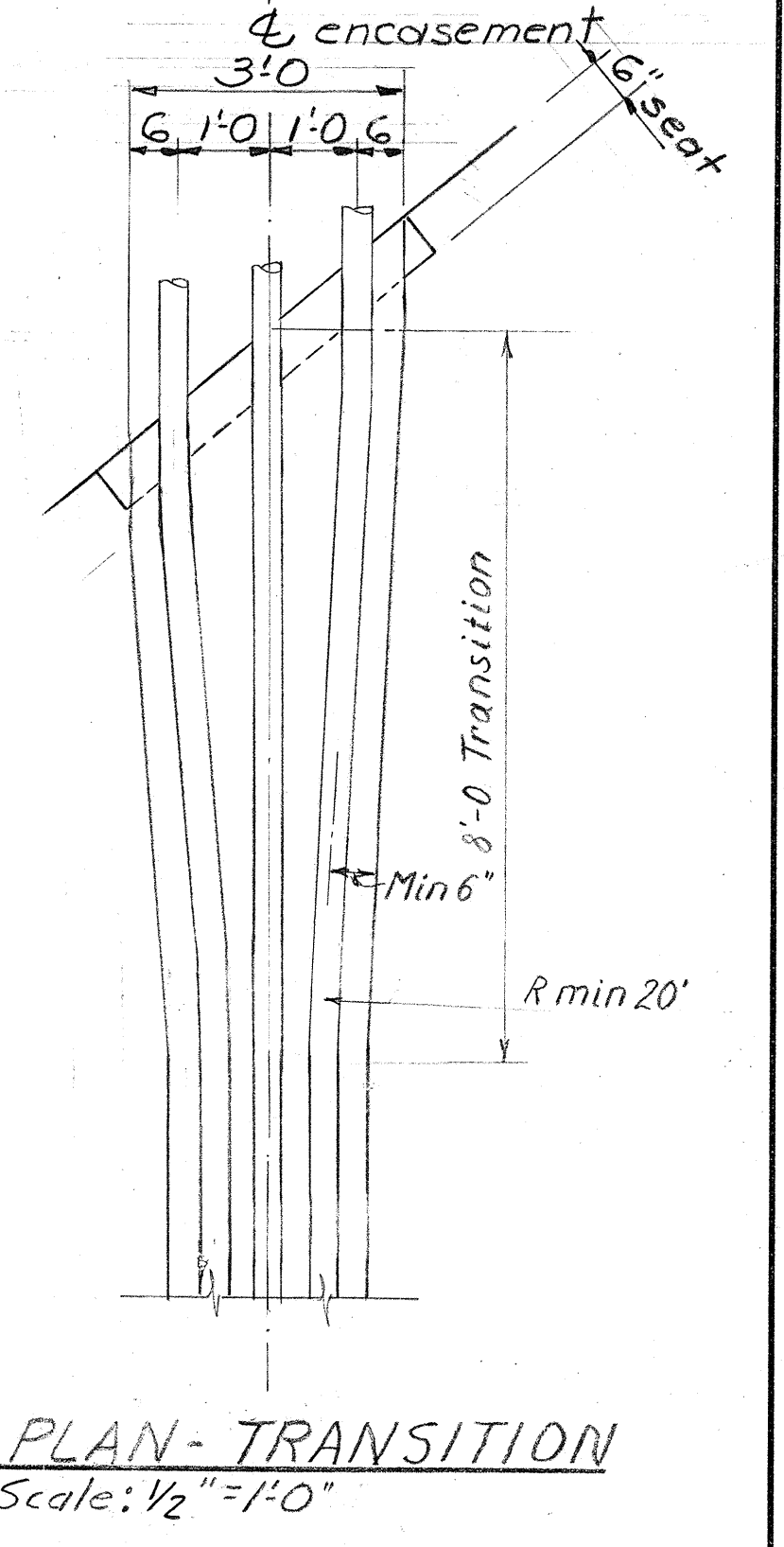
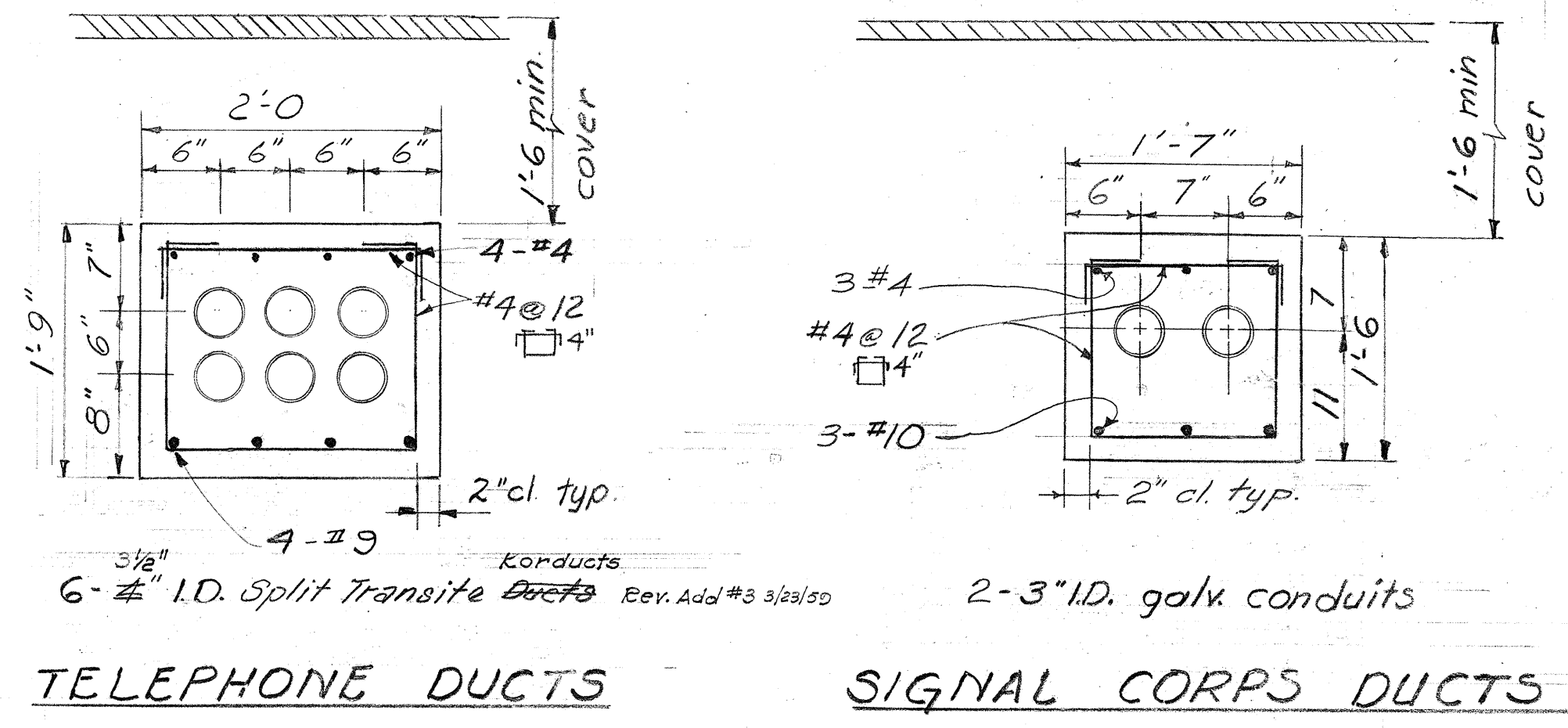
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW	BU-061-1(6)	1958	145	148



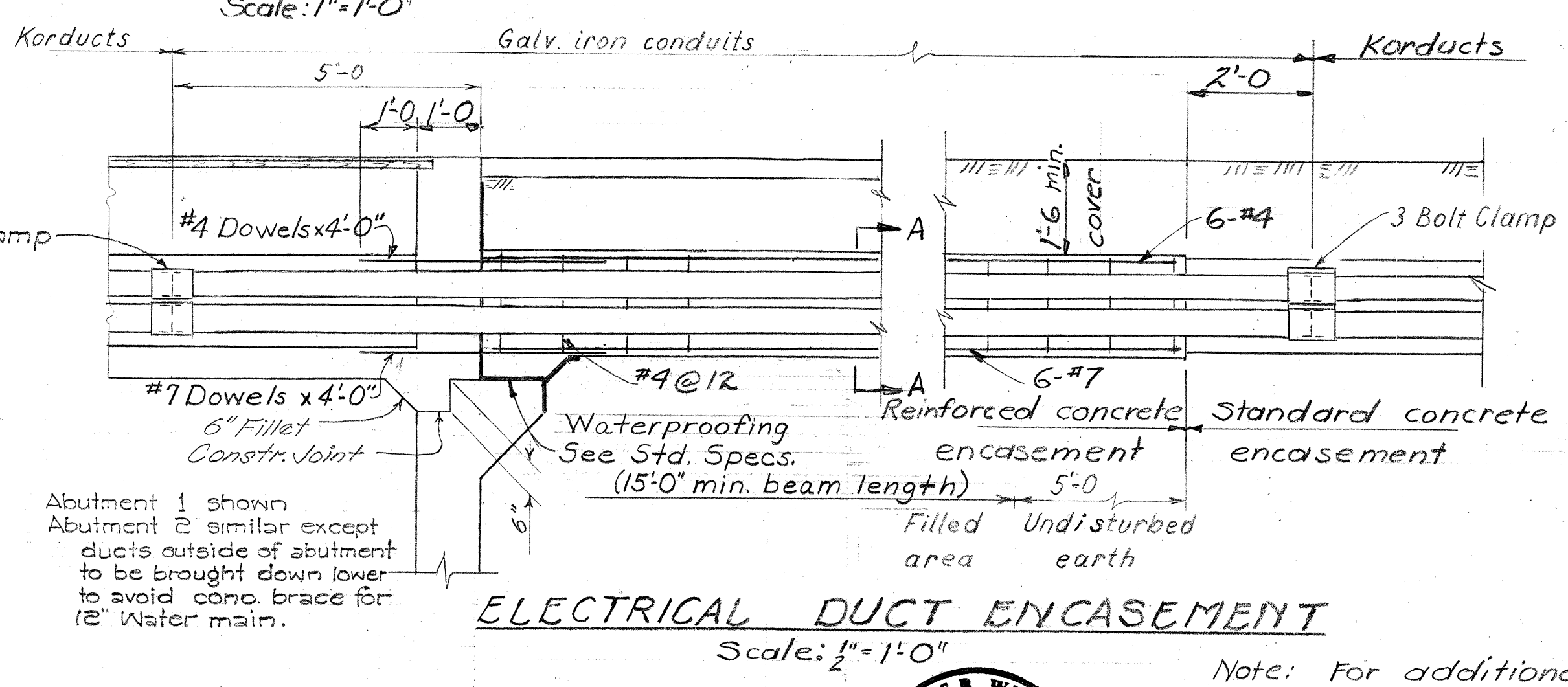
WATER & GAS LINE ENCASEMENT
Scale: 1/2" = 1'-0"



TELEPHONE & SIGNAL CORPS-DUCT ENCASEMENT
Scale: 3/8" = 1'-0"

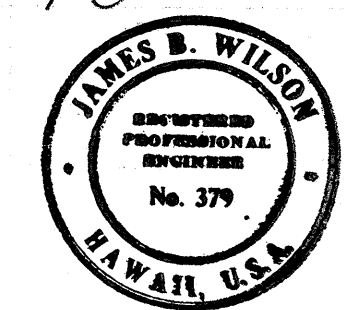


Note: For location of conduits see deck section Sht. No. 274



ELECTRICAL DUCT ENCASEMENT
Scale: 1/2" = 1'-0"

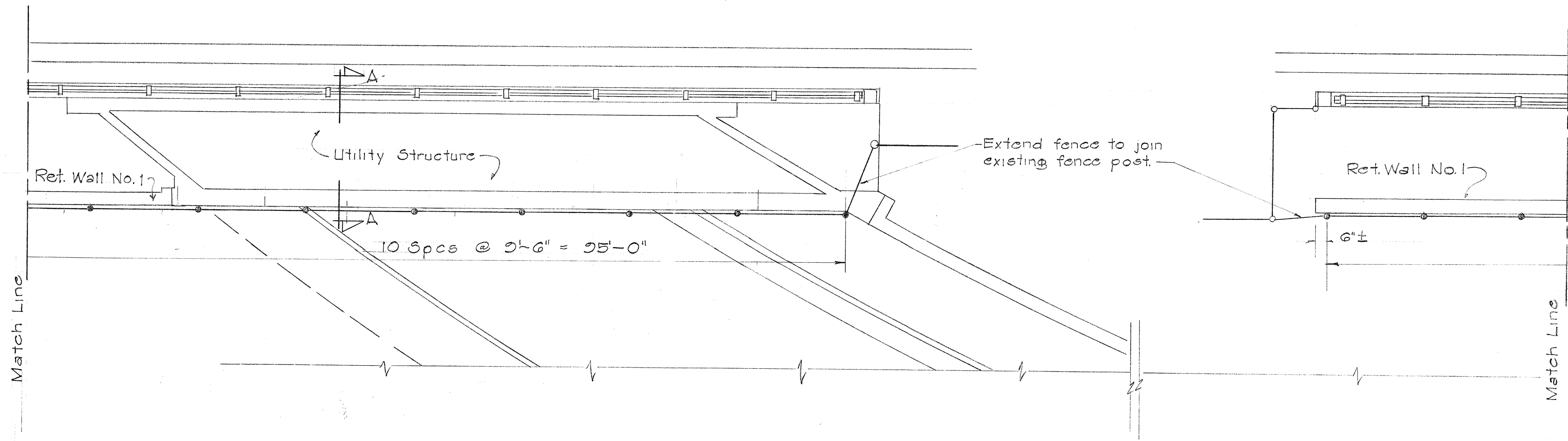
Note: For additional details of utilities see Sht. No. 276



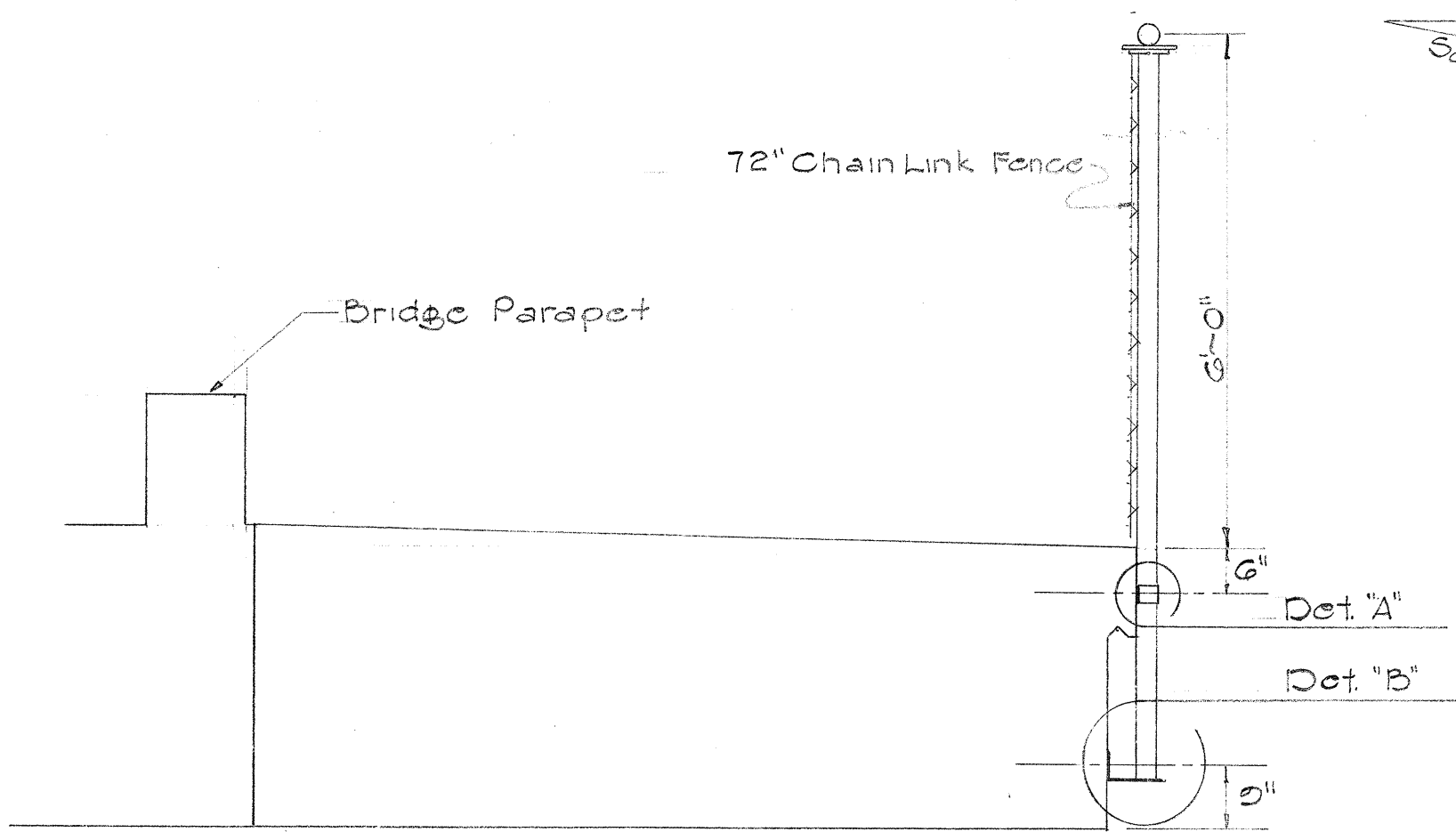
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REGISTERED ENGINEER
DATE JUL 3 1957

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
NUUANU HIGHWAY
PROJECT NO. BU-061-1(6) UNIT 4
GRADE SEPARATION FOR
RAMP AT SCHOOL STREET
UTILITY DETAILS

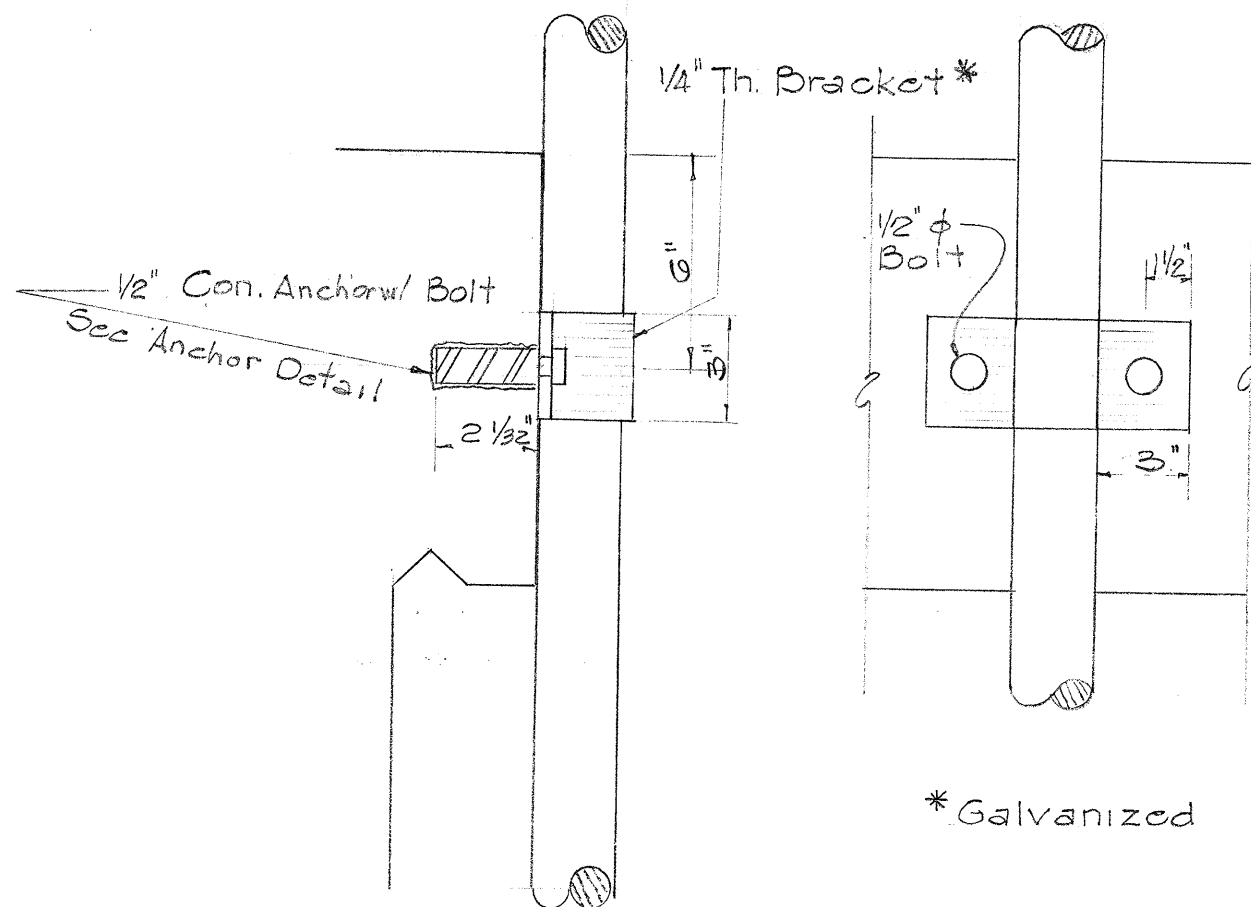
SCHOOL ST.



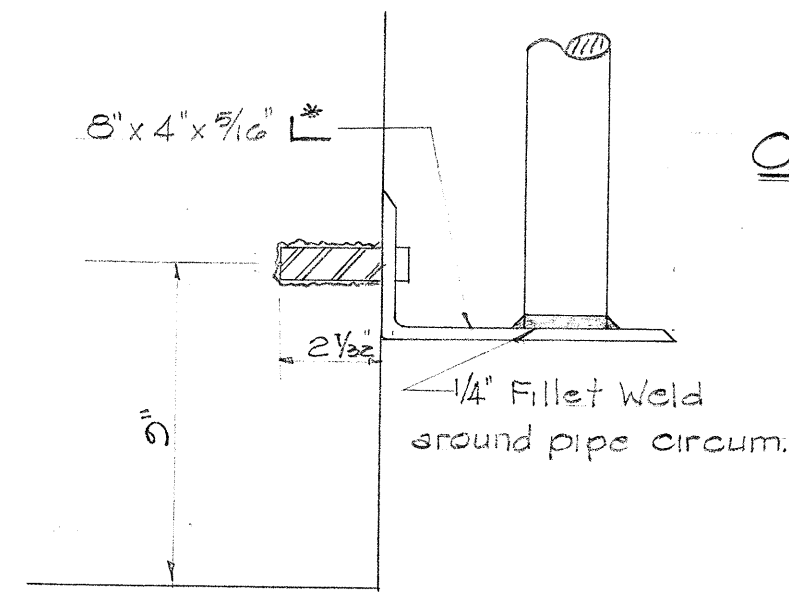
PLAN
Scale - 1/8" = 1'-0"



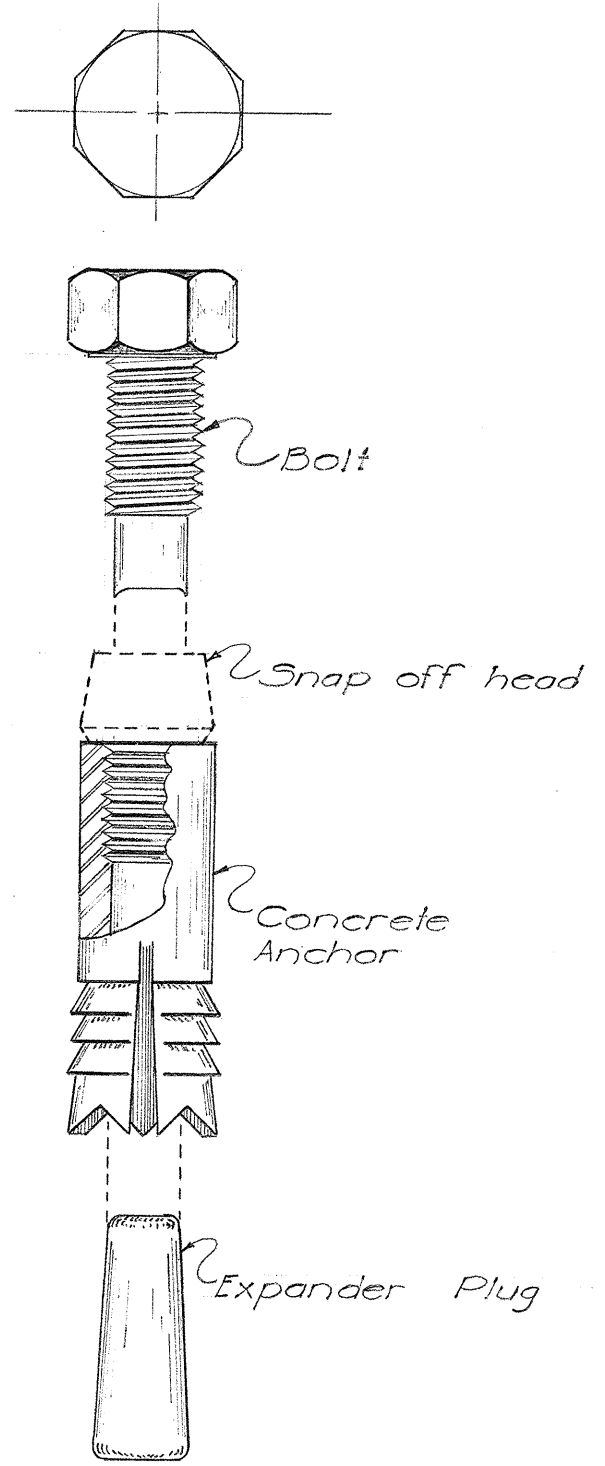
Section - A-A



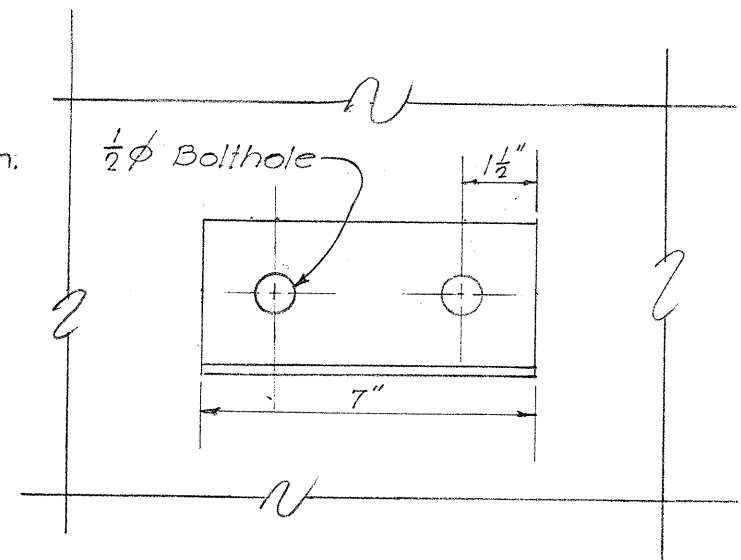
Detail "A"



Detail "B"



Concrete Anchor Detail



CHAIN LINK FENCE ON UTILITY BOX

STRUCTURE #10
FEB. 14, 1961 BU-061-1(6)