

NOTE

See "GENERAL NOTE GOVERNING ALL PLANS" on Sht. No 5533.13.
Sta 96+50± Remove Existing 30" Culvert Pipe 55 Lin. Ft. and 2 CB and Back Fill.
For Detail of Reinf. Conc. Driveway see Sht. No 5533.82.

Note:
Ratio Curve shown for traffic islands is based on an offset of 3' to tangent distance of 45' measured along the Base Line or Center Line

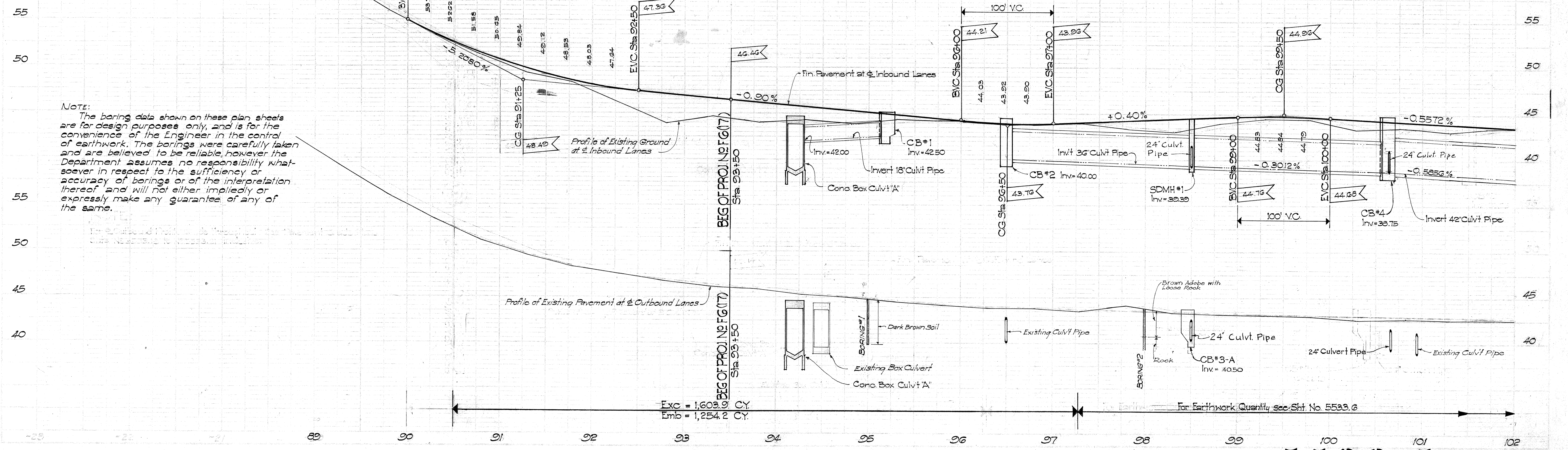
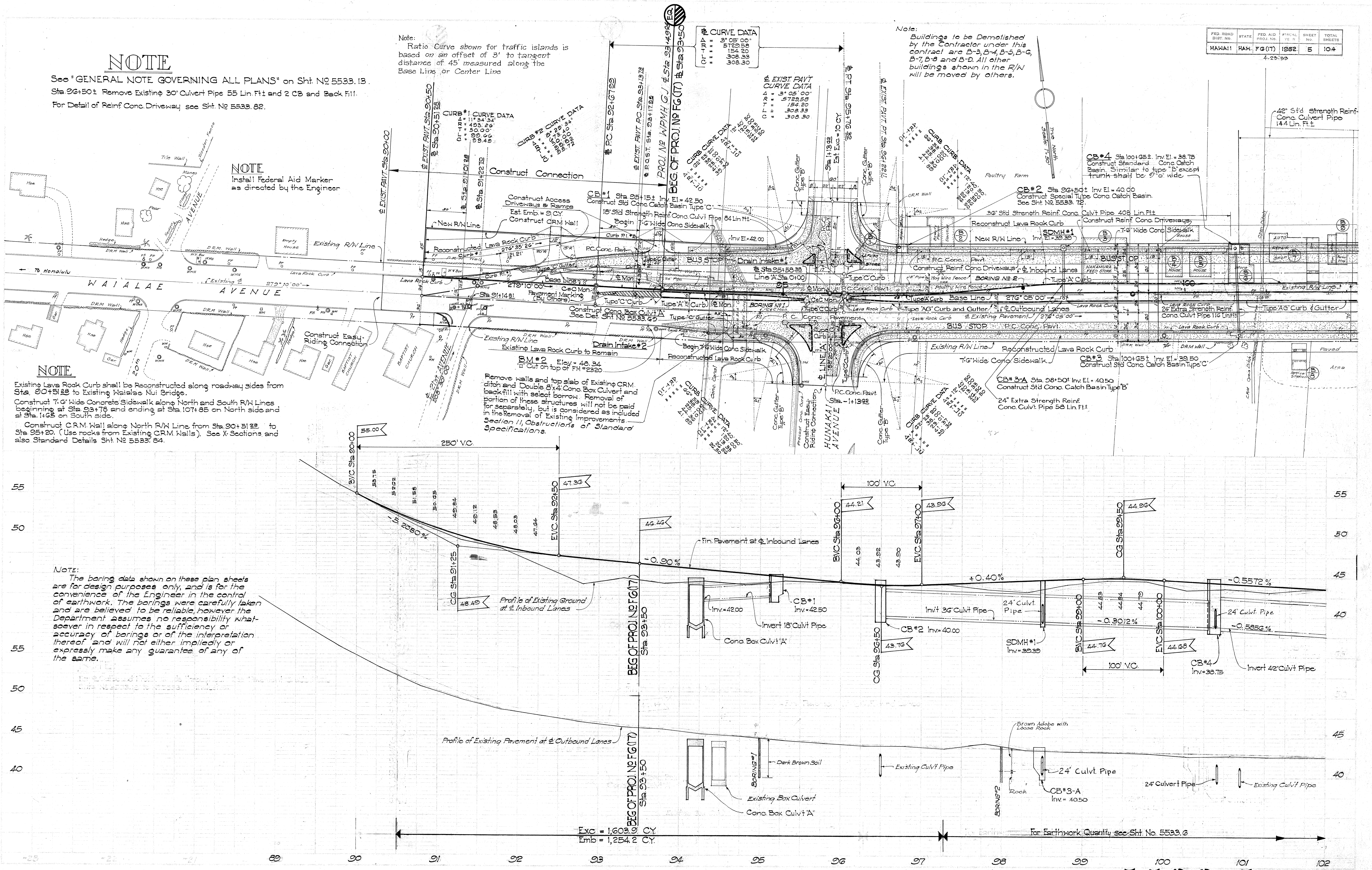
NOTE
Install Federal Aid Marker as directed by the Engineer

NOTE

Existing Lava Rock Curb shall be Reconstructed along roadway sides from Sta. 90+51.23 to Existing Waialae Nui Bridge.
Construct 7' Wide Concrete Sidewalk along North and South R/W Lines beginning at Sta. 93+78 and ending at Sta. 104+85 on North side and at Sta. 1465 on South side.
Construct C.R.M. Wall along North R/W Line from Sta. 90+51.23 to Sta. 95+20. (Use rocks from Existing C.R.M. Walls). See X-Sections and also Standard Details Sht. No 5533.84.

Remove walls and top slab of Existing C.R.M. ditch and Double 8x4" Box Culvert and backfill with select borrow. Removal of portion of these structures will not be paid for separately, but is considered as included in the Removal of Existing Improvements. Section 11, Obstructions of Standard Specifications.

Note:
Buildings to be Demolished by the Contractor under this contract are B-3, B-4, B-5, B-6, B-7, B-8 and B-9. All other buildings shown in the R/W will be moved by others.



NOTE:
The boring data shown on these plan sheets are for design purposes only, and is for the convenience of the Engineer in the control of earthwork. The borings were carefully taken and are believed to be reliable, however the Department assumes no responsibility whatsoever in respect to the sufficiency or accuracy of borings or of the interpretation thereof and will not either impliedly or expressly make any guarantee of any of the same.

Exc = 1,603.9 CY
Emb = 1,254.2 CY

For Earthwork Quantity see Sht. No 5533.6

4-23-52
5-20-5

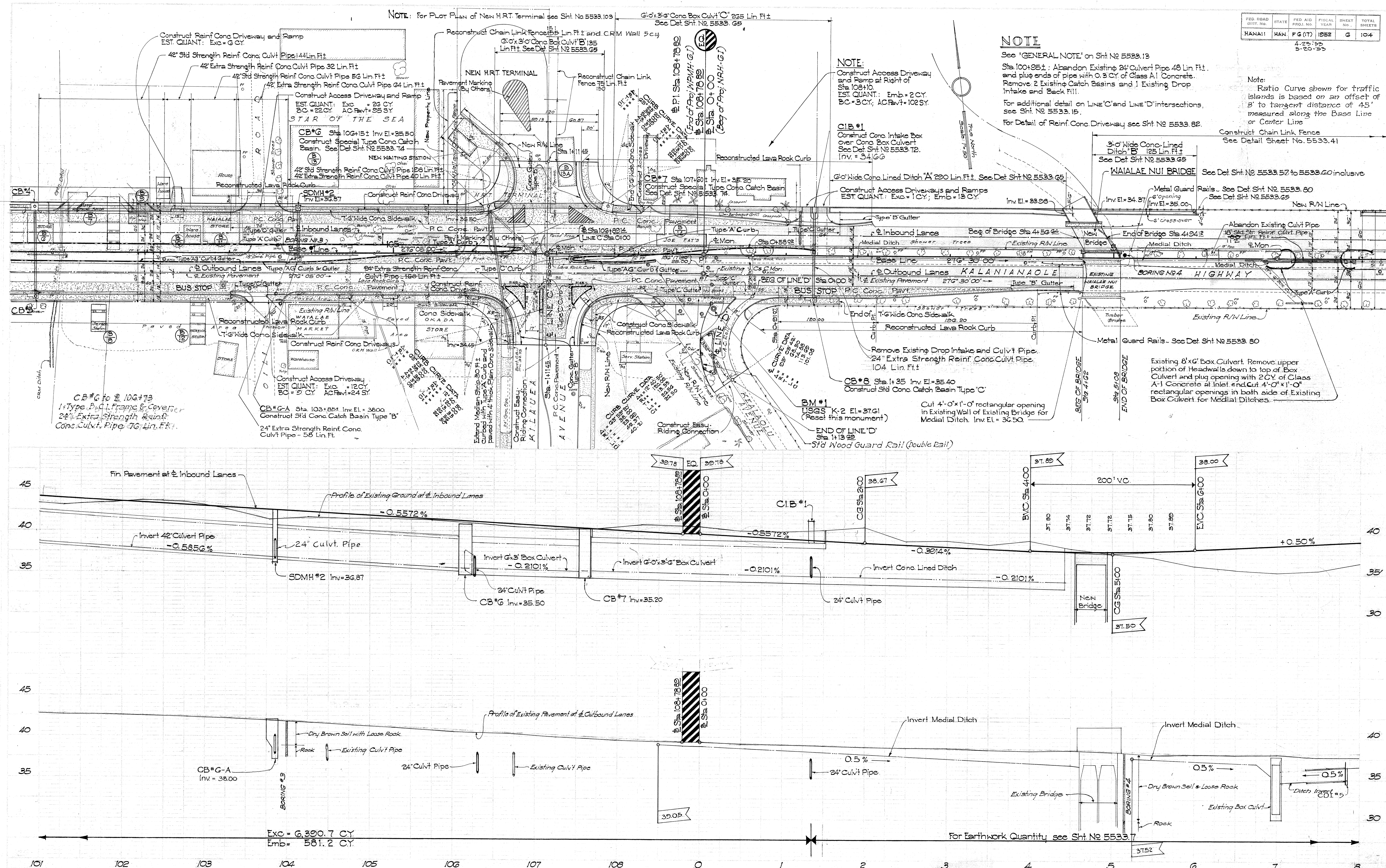
6'-0" x 3'-6" Conc. Box Culvert "C" 265 Lin Ft

See "GENERAL NOTE" on Sht. No 5533.13

For additional detail on LINE "C" and LINE "D" intersections
see Sht. No 5533.15.

For Detail of Reinf. Conc. Driveway see Sht. No 5533.82

Note:
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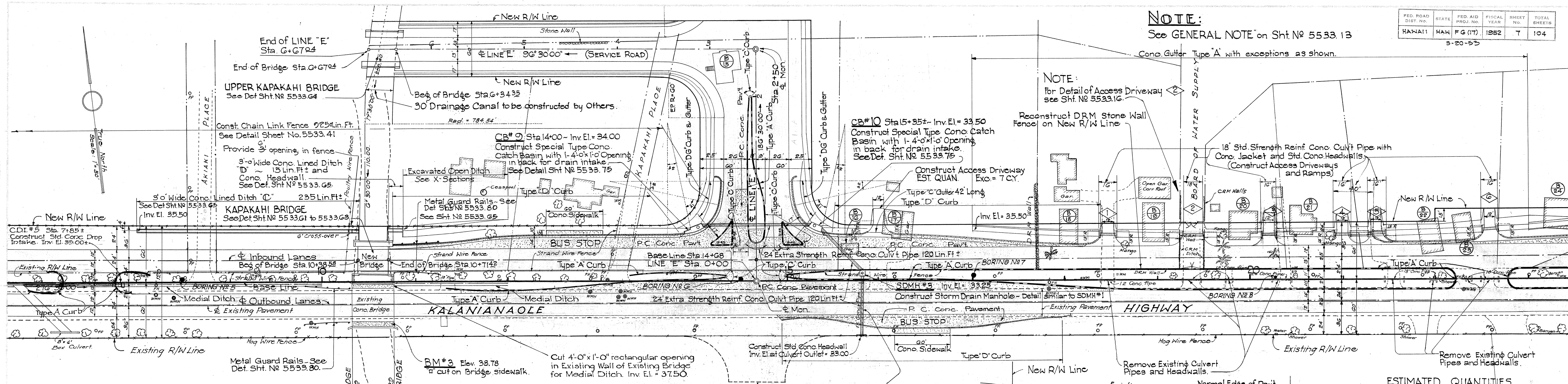


5533. (4)

DD, N-8

NOTE:

See GENERAL NOTE on Sht. No. 5533.13



NOTE:

For Plan and Profile of LINE "E" (SERVICE ROAD) see Sht. No. 5533.12

CURB CURVE DATA

$\Delta_1 = 64^\circ 38' 20"$	$\Delta_2 = 12^\circ 40' 50"$
$R_1 = 38.00$	$R_2 = 120.00$
$T_1 = 24.04$	$T_2 = 19.93$
$L_1 = 42.87$	$L_2 = 26.56$
$C_1 = 40.63$	$C_2 = 26.50$

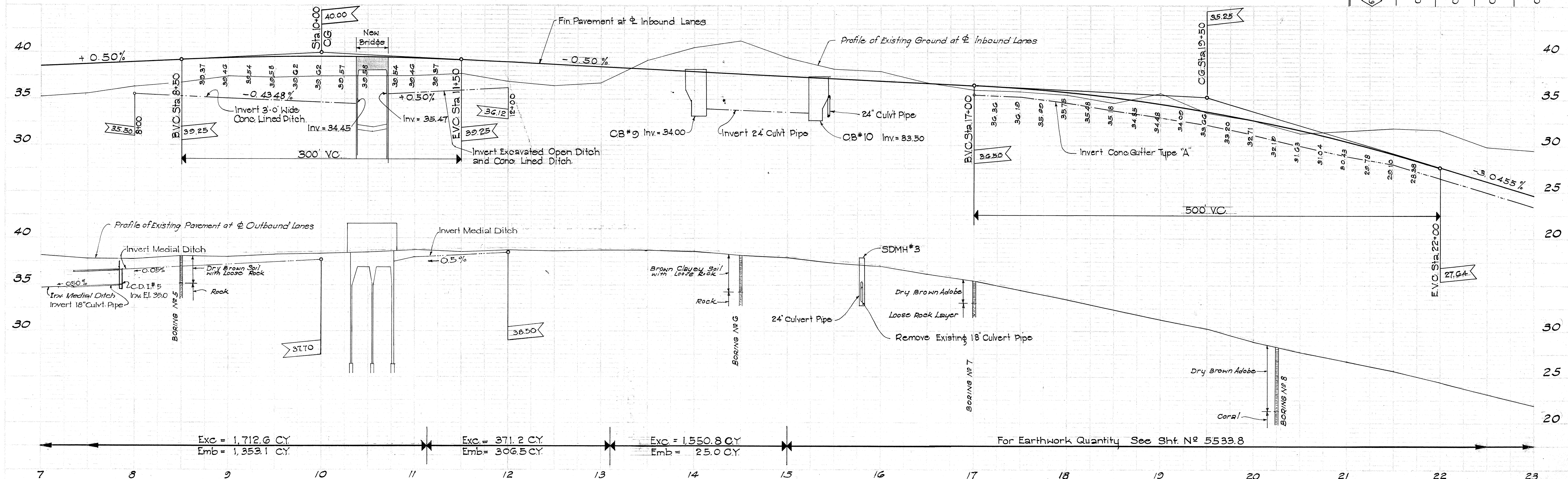
Above CURVE DATA applies to all Curb Returns at this Intersection.

Note:
Ratio Curve shown for traffic islands is based on an offset of 3' to tangent distance of 45' measured along the Base Line or Center Line

ESTIMATED QUANTITIES

ACCESS DRIVEWAY	EXC. CY.	EMB. CY.	B.C. CY.	A.C. PAVT SY.
1	0	0	0	0
2	8	0	9	5G
3	6	0	0	0
4	1	0	0	0
5	24	0	0	0
6	0	0	0	0

TYPICAL SECTION SHOWING CULVERT PIPE UNDER NEW ACCESS DRIVEWAY
Scale: $\frac{1}{4}'' = 1'-0''$



Exc = 1,712.6 CY
Emb = 1,353.1 CY

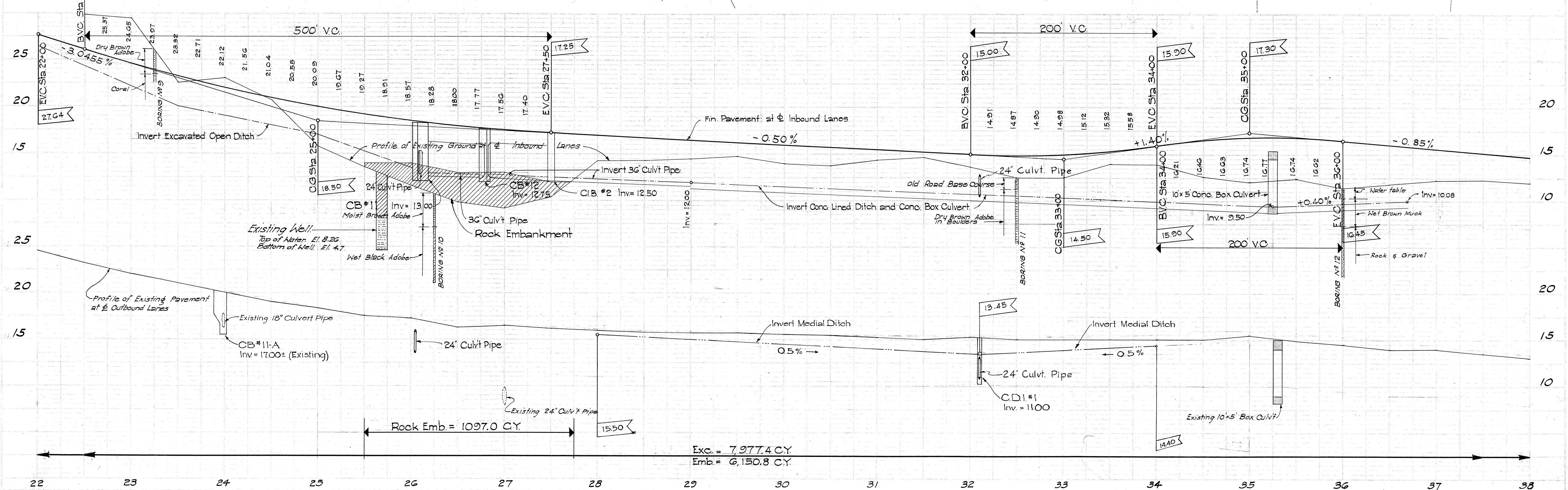
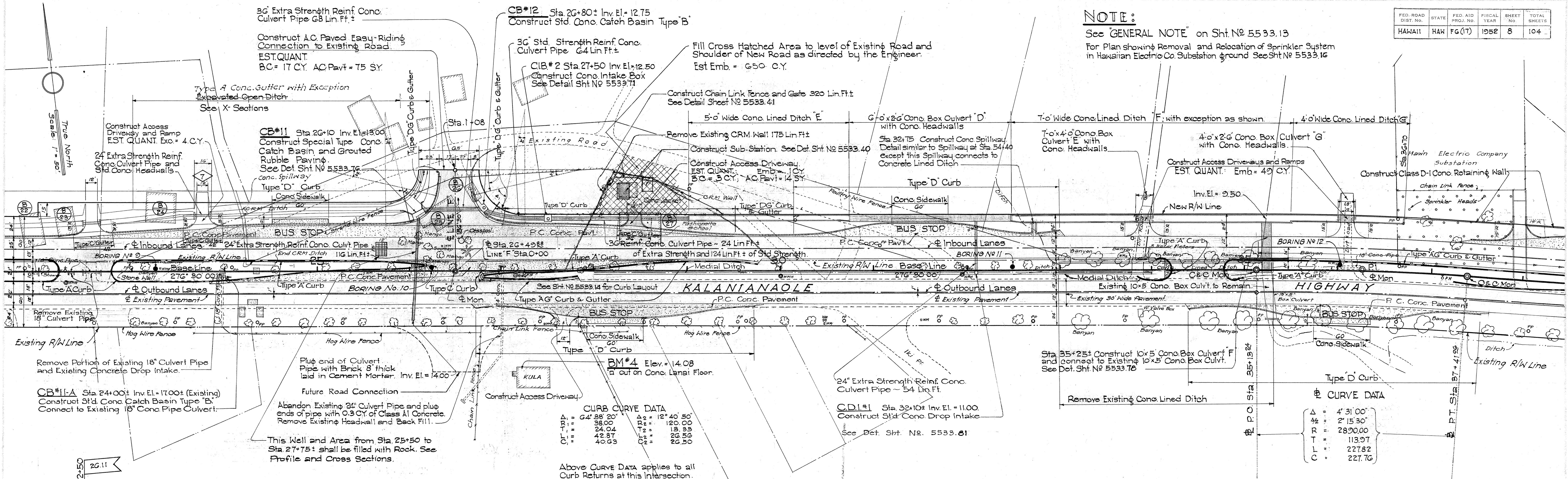
Exc = 371.2 CY
Emb = 306.5 CY

Exc = 1,550.8 CY
Emb = 25.0 CY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	FG(17)	1952	8	104

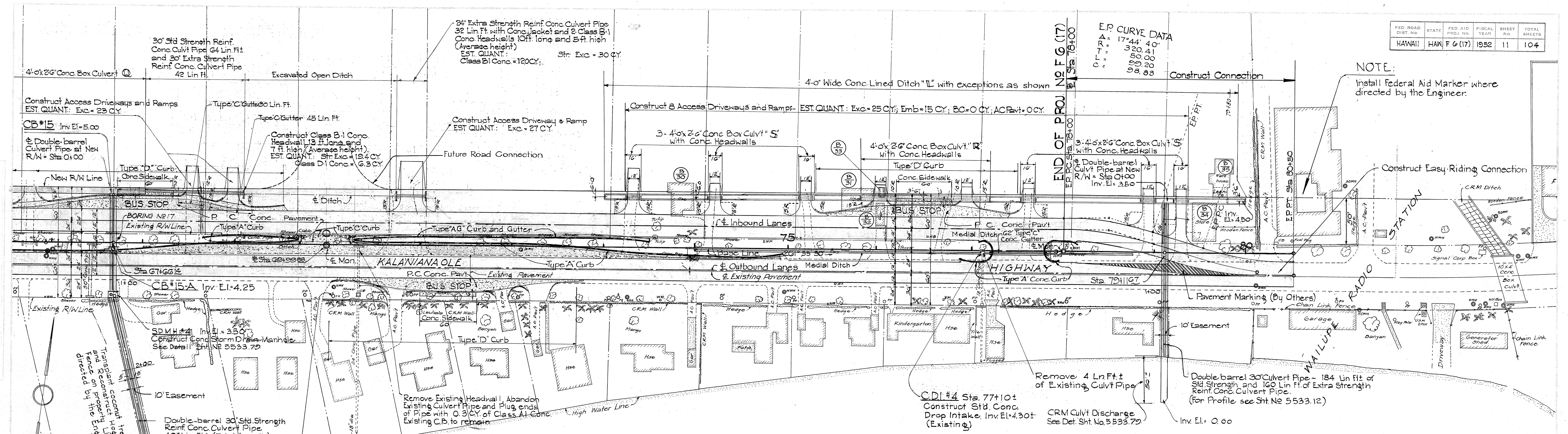
NOTE:

See "GENERAL NOTE" on Sht. No. 5533.13
For Plan showing Removal and Relocation of Sprinkler System in Hawaiian Electric Co. Substation Ground See Sht. No. 5533.16

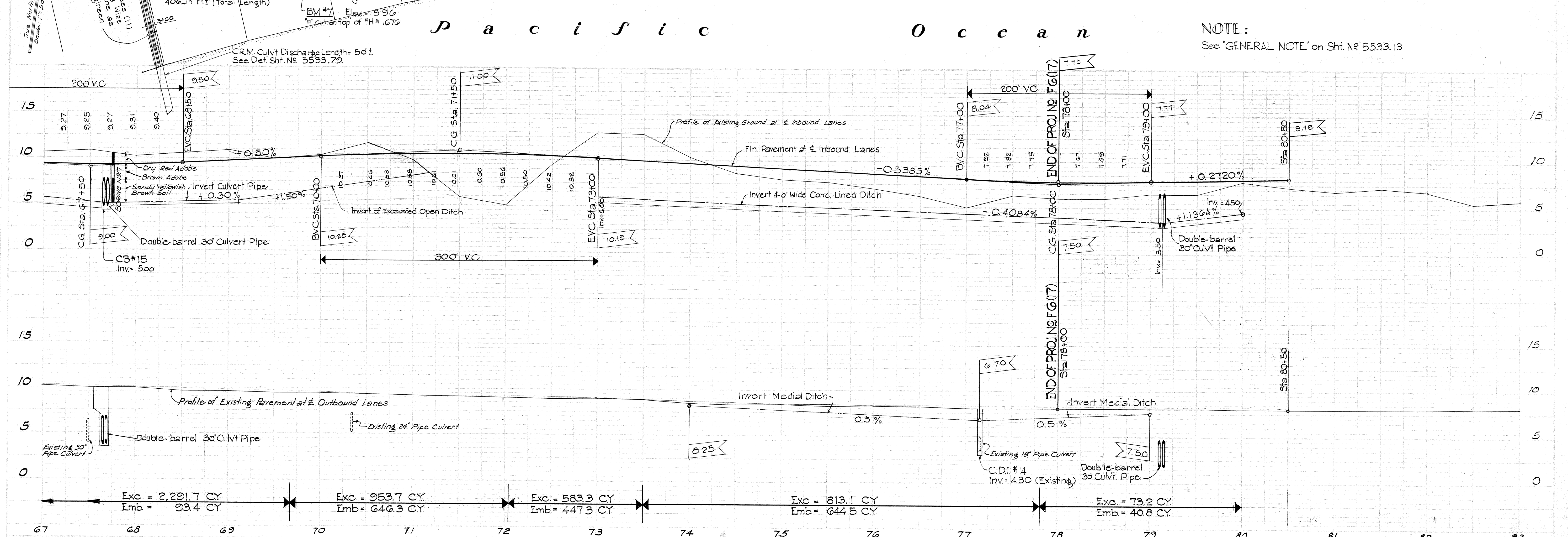


5533.8

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F 6 (17)	1952	11	104



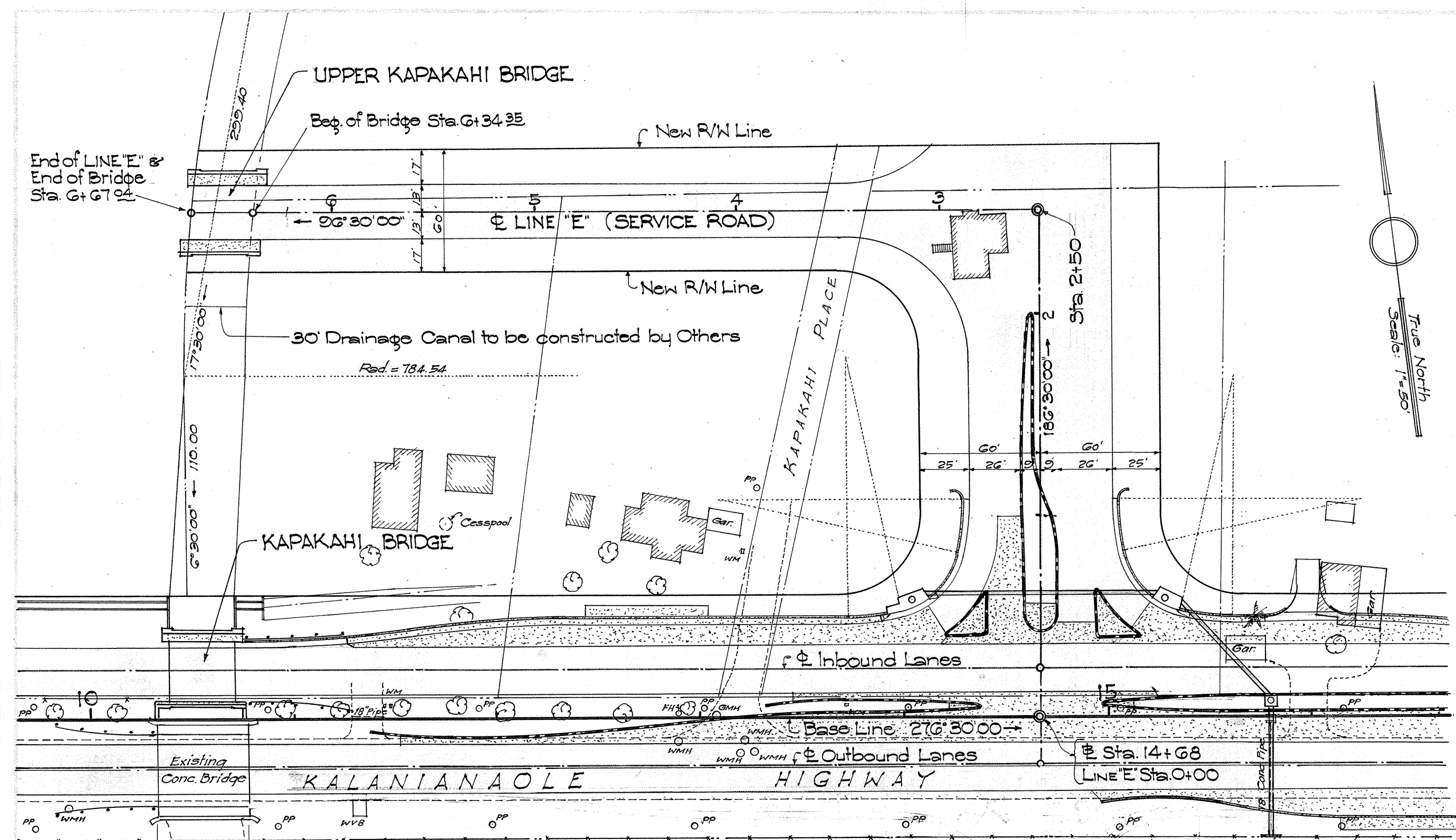
NOTE:
Install Federal Aid Marker where directed by the Engineer.



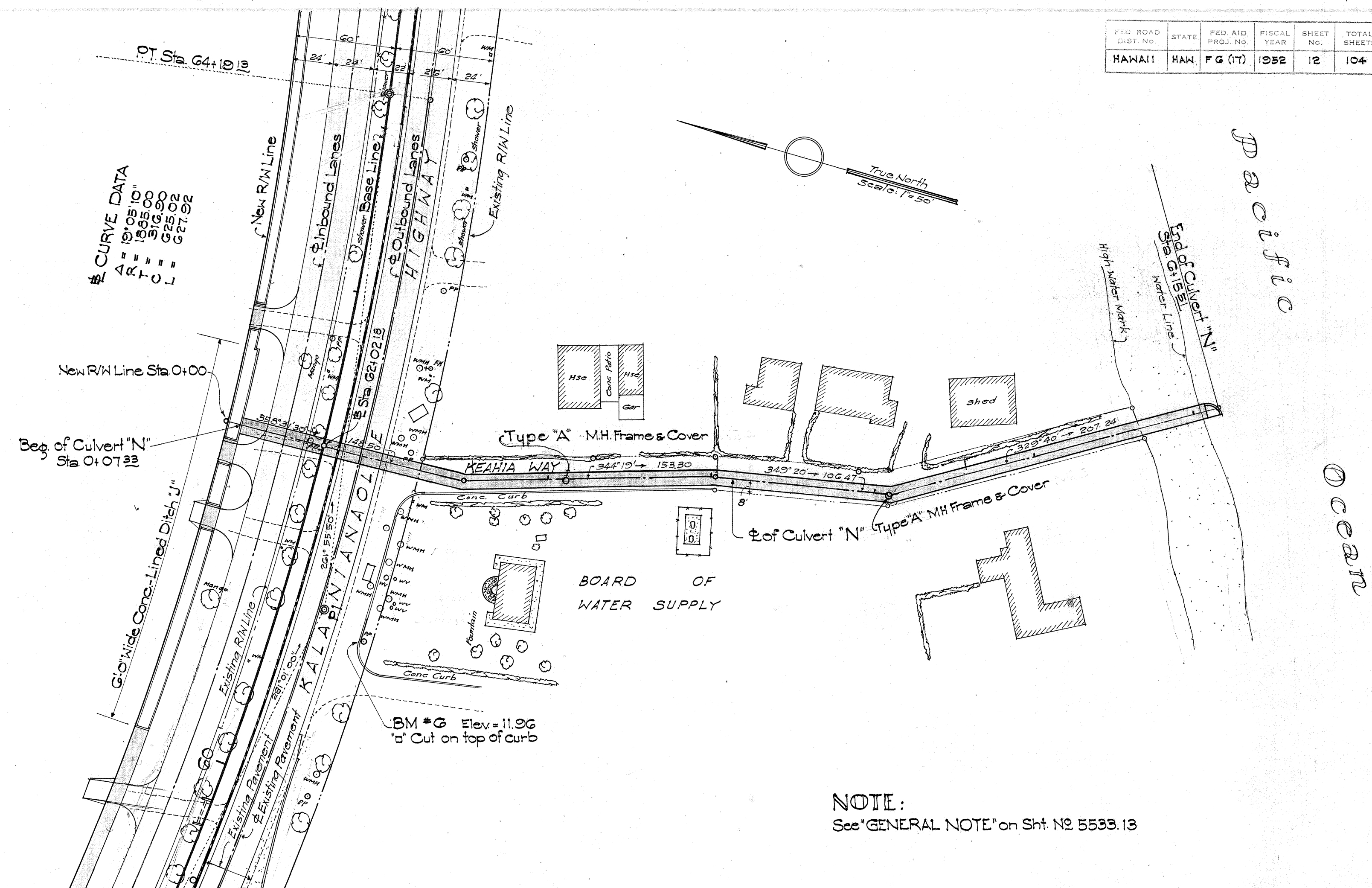
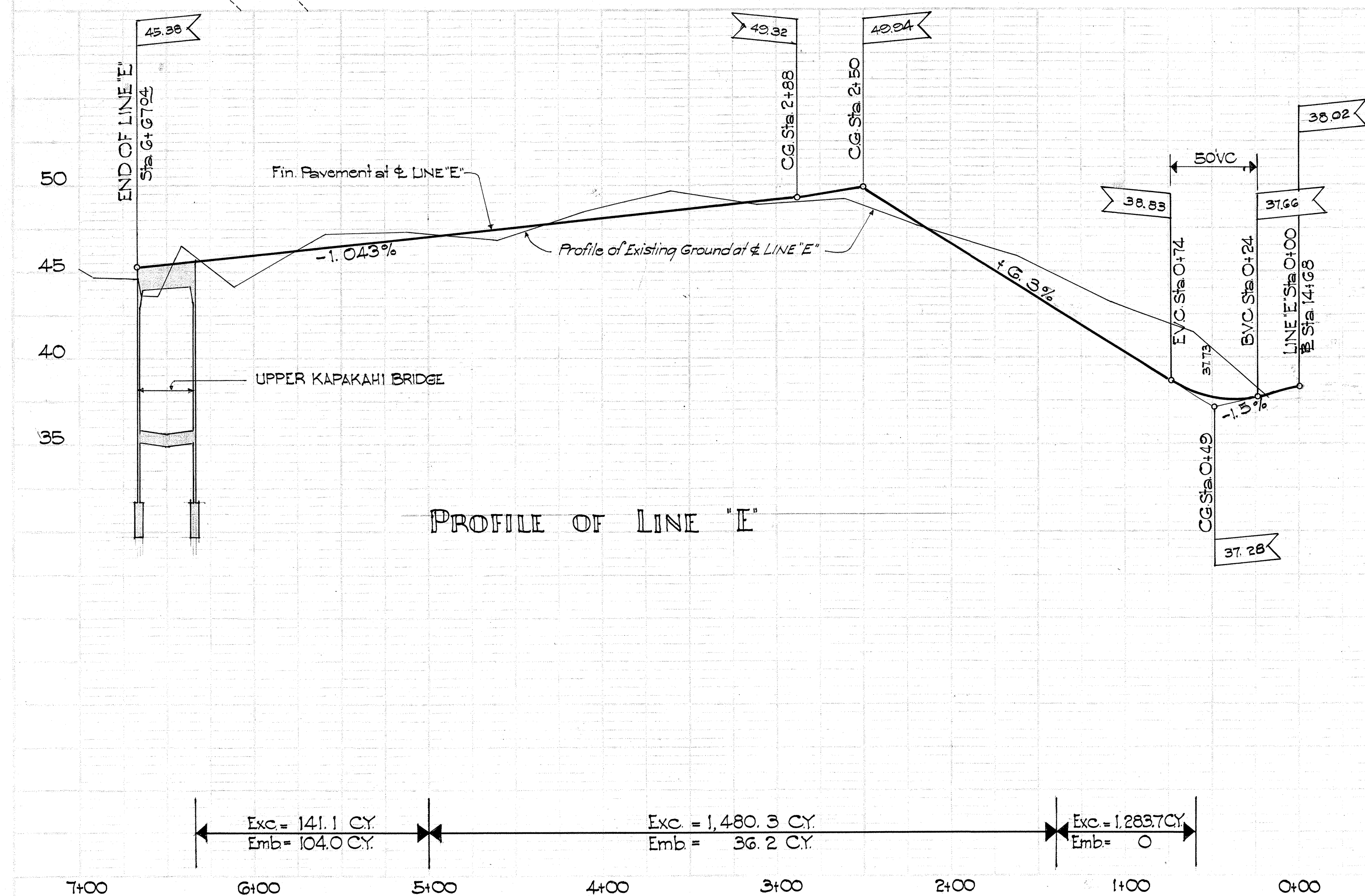
NOTE:
See "GENERAL NOTE" on Sht. No 5533.13

Exc. = 2,291.7 CY Emb. = 93.4 CY	Exc. = 953.7 CY Emb. = 646.3 CY	Exc. = 583.3 CY Emb. = 447.3 CY	Exc. = 813.1 CY Emb. = 644.5 CY	Exc. = 73.2 CY Emb. = 40.8 CY
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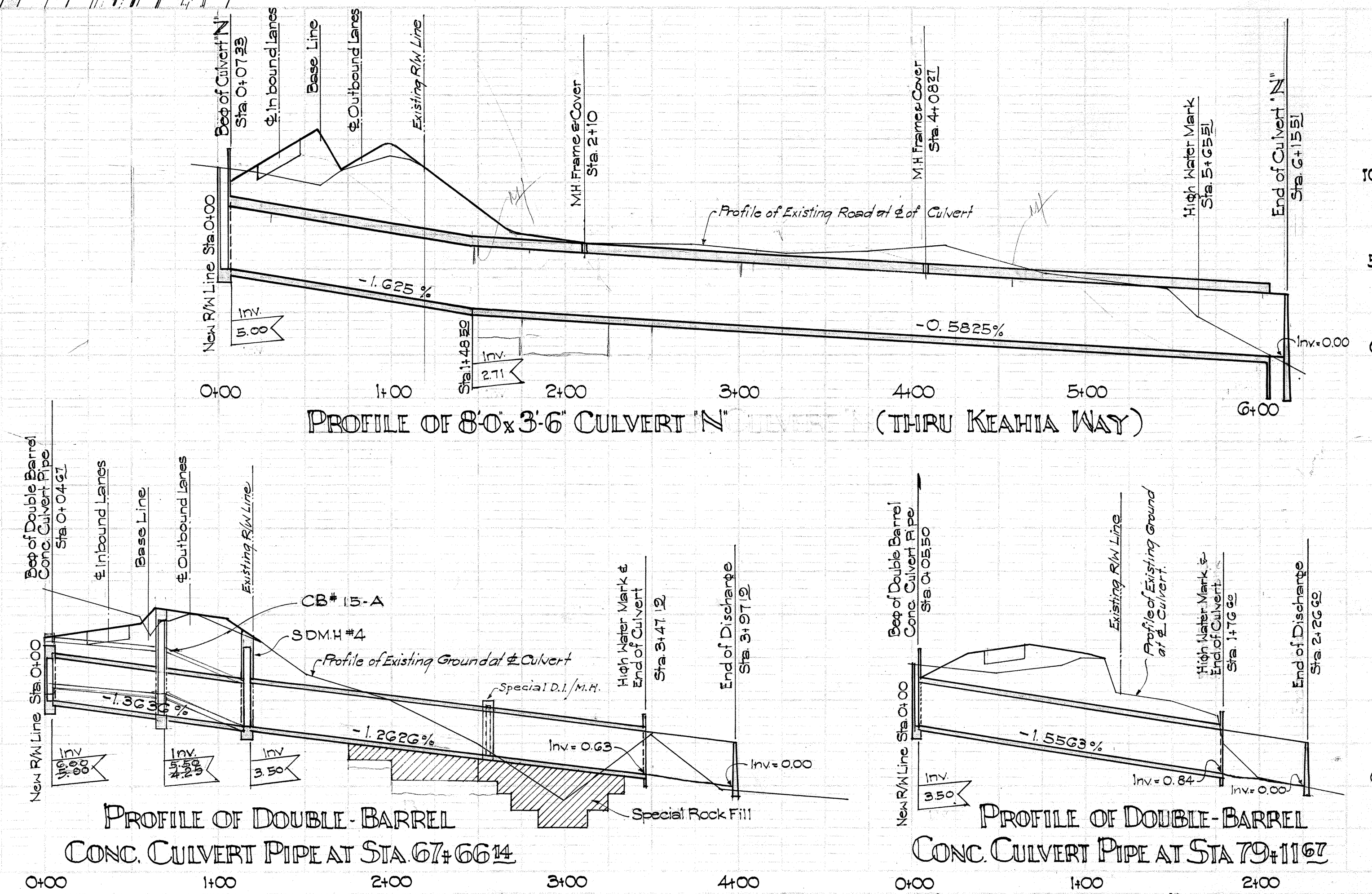
5533.11



NOTE
For Plan of this Intersection and SERVICE ROAD
See Sht. N2 5533.7 also.



NOTE:
See "GENERAL NOTE" on Sht. N2 5533.13



5533.12

GENERAL NOTES GOVERNING ALL PLANS

All Traffic Islands at Intersections shall be paved with 4" thick Plain Concrete Sidewalk and curbed with Type "A" Cast-in-Place Concrete Curb except as otherwise shown.

All Existing Fences and Gates along Existing North R/W Line shall be Reconstructed on New R/W Line as directed by the Engineer.

All Manholes in the Roadway Prism shall be adjusted to new grades as directed by the Engineer.

All Existing Lava Rock Curb shall be Salvaged and Reconstructed. See Note Sht. No 5533.5

Where Catch Basins are to be constructed in Median Strips or in Traffic Islands, the face of concrete curbs adjacent to the Catch Basins shall have transition of not less than 10 feet. Top slab of Conc. Catch Basin shall be sloped to the finished grades of Sidewalk, Shoulder, or Median Strip.

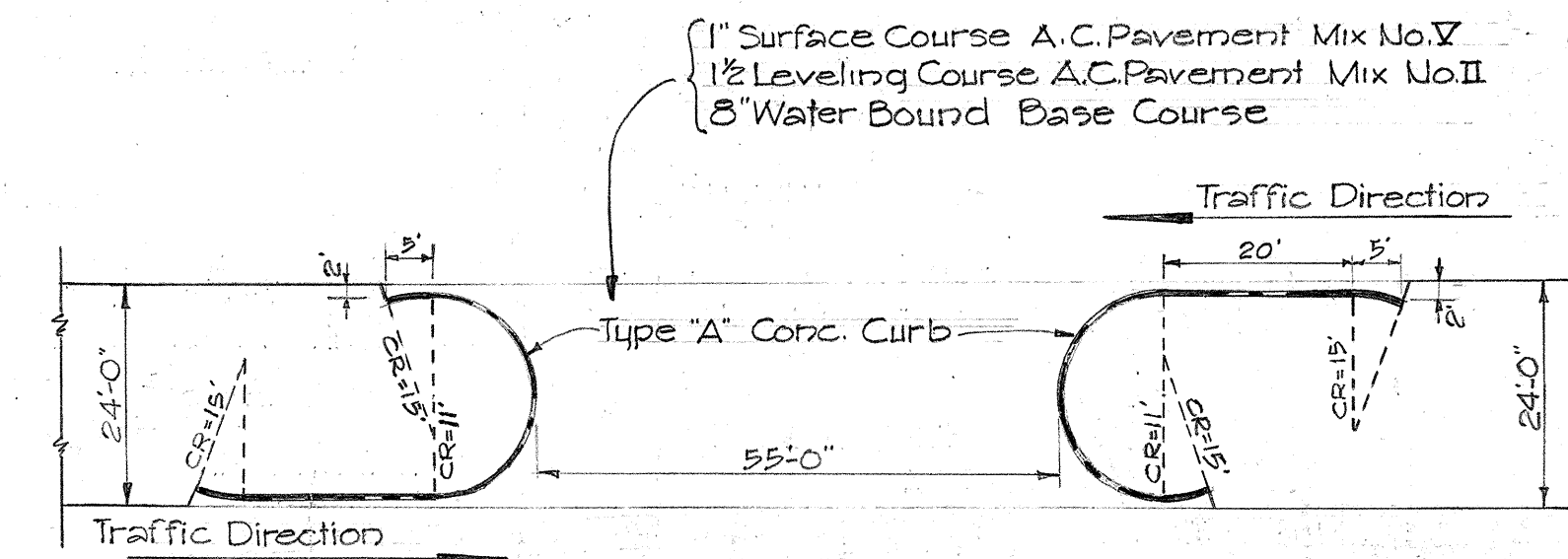
New Access Driveways and Ramps replacing the existing shall be constructed of similar material in respective existing driveways. New Access Driveways and Ramps leading to AC Paved Area shall have 6" Water Bound Base Course placed in layers of 3" compacted thickness and 2" AC Pavement Mix No. II.

Location of underground structures such as culverts, pipe lines, cables, etc., shown on plans are approximate only. Contractor shall check and verify location of same.

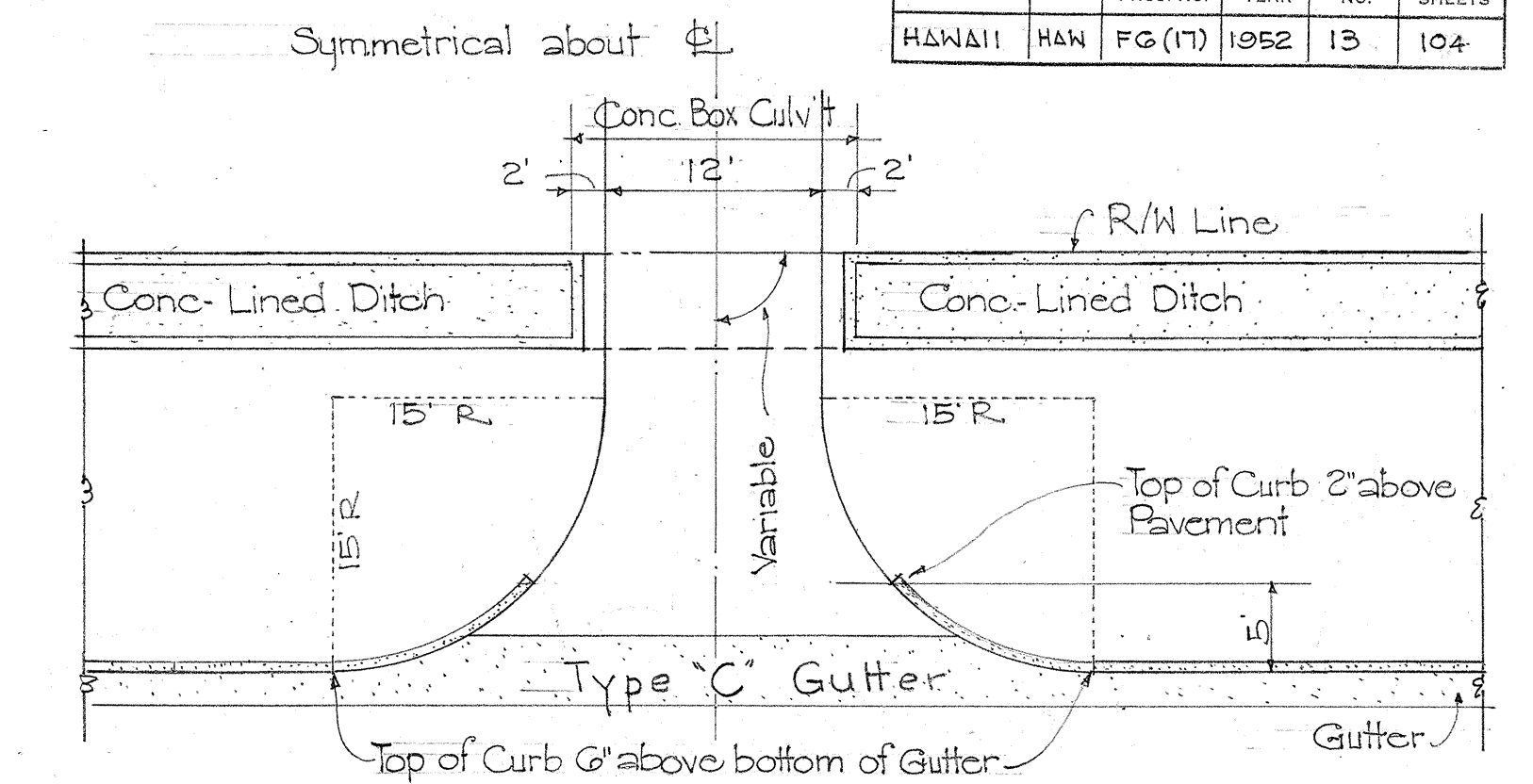
All Existing Structures or portion of structures less than 3'-0" below Fin. Pavement, Median Strip or Shoulder grade, unless otherwise indicated, shall be removed under item of "Unclassified Excavation."

Ends of Median Strip at all Intersections and Turn Arounds shall be paved with 4" thick plain concrete sidewalk. See Curb Layout Details on Shts. No 5533.14.

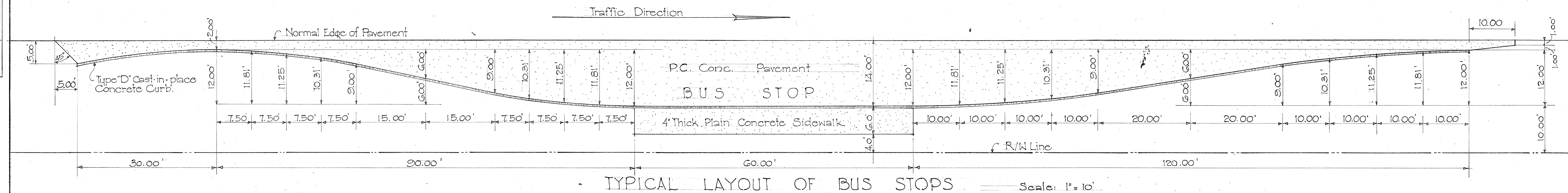
Where Existing Drainage Structures and other structures are called for removal, such removals shall not be paid for separately but are considered as included in the Removal of Existing Improvements.



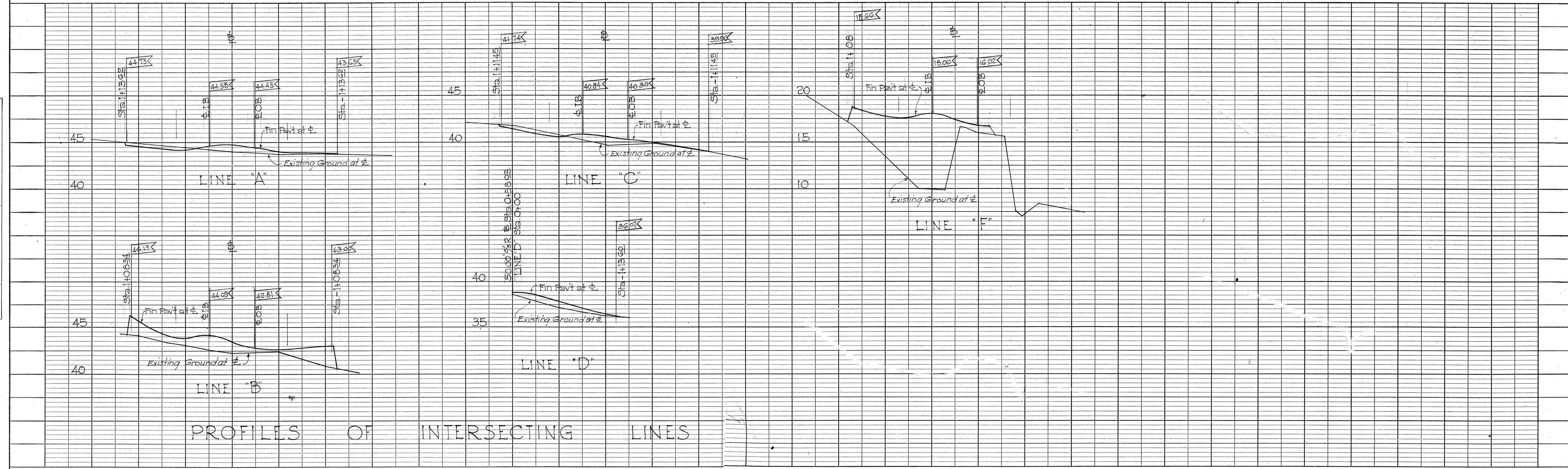
MEDIAL OPENINGS FOR U-TURNS
Scale: 1" = 20'-0"



TYPICAL DETAIL OF ACCESS DRIVEWAY
Scale: 1" = 10'



TYPICAL LAYOUT OF BUS STOPS
Scale: 1" = 10'



PROFILES OF INTERSECTING LINES