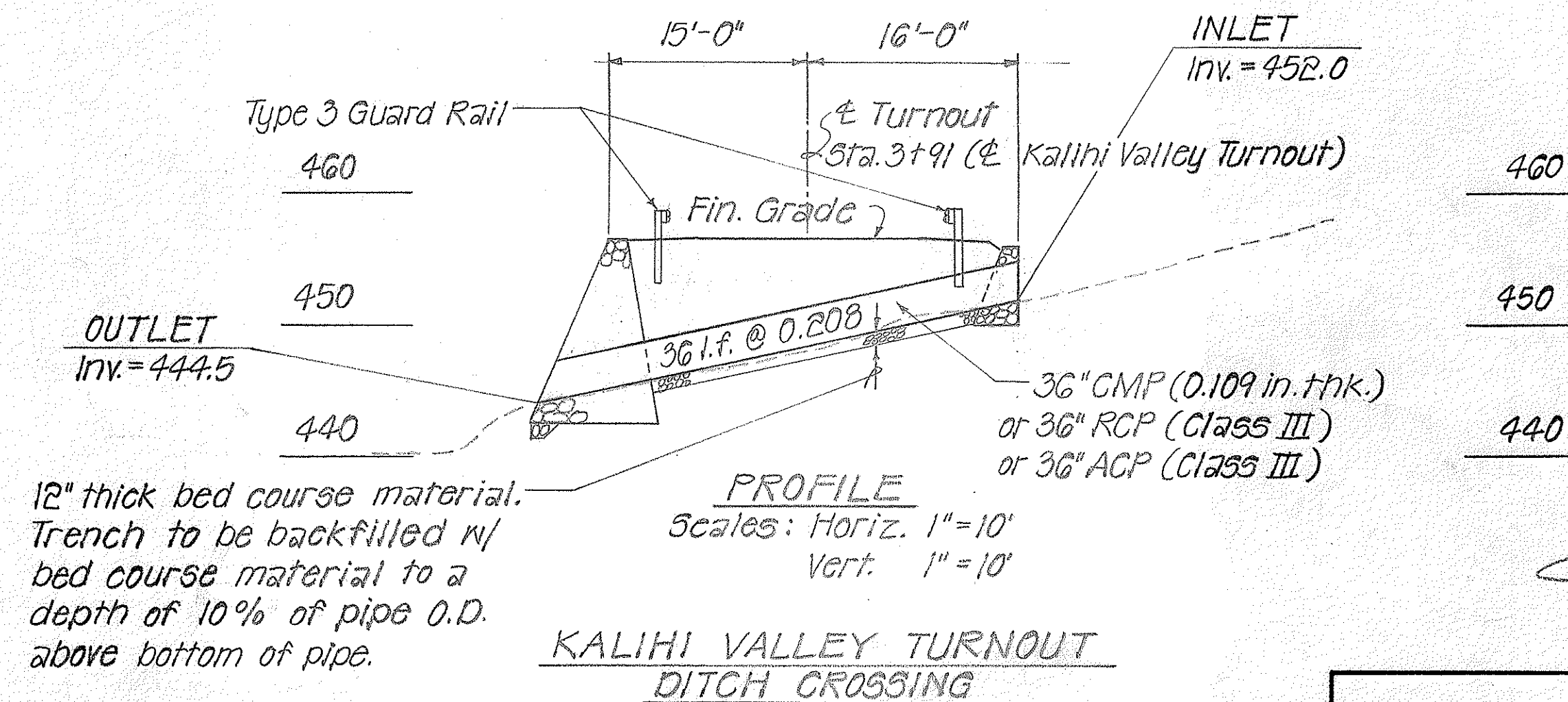
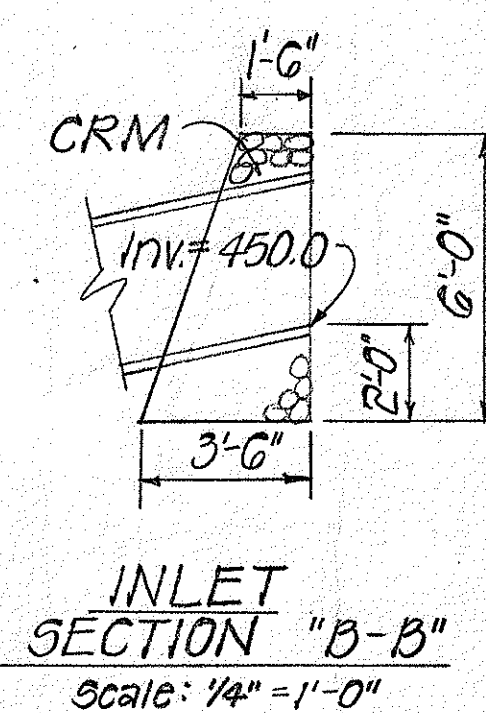
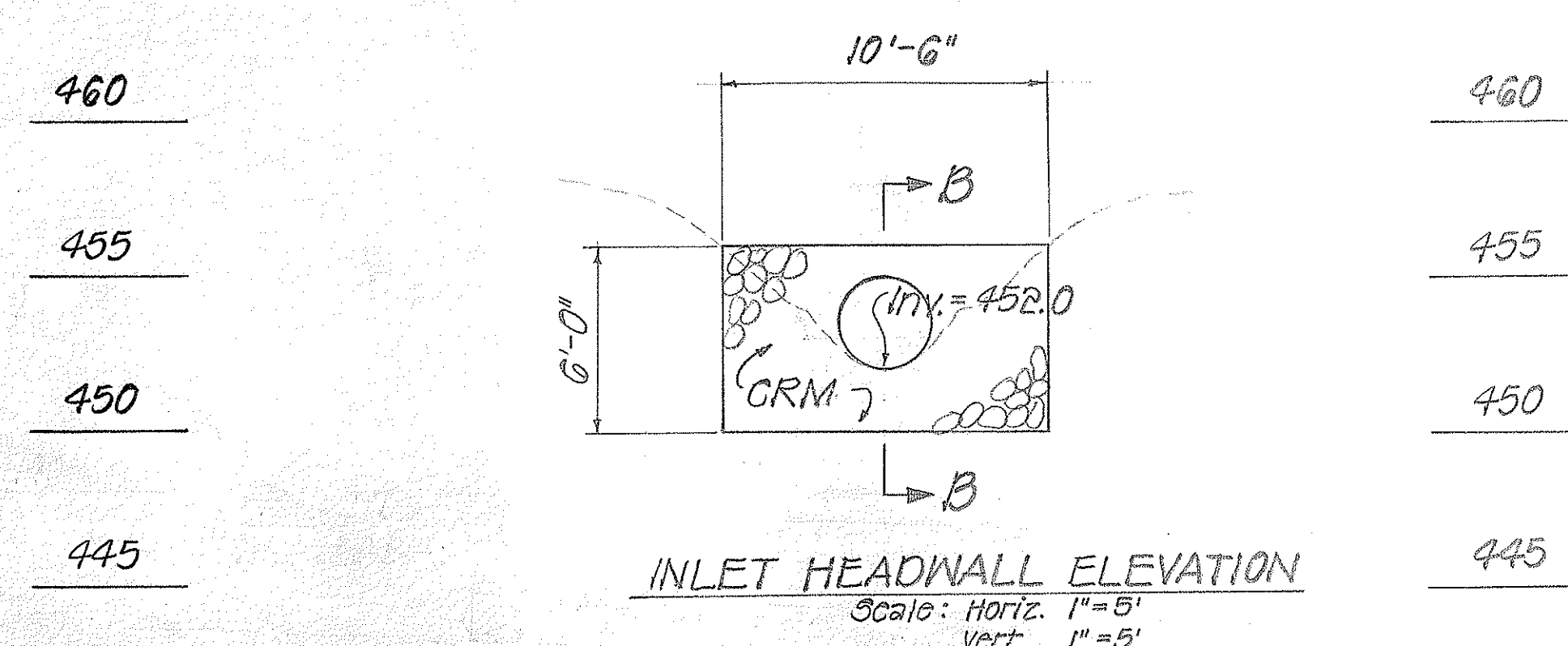
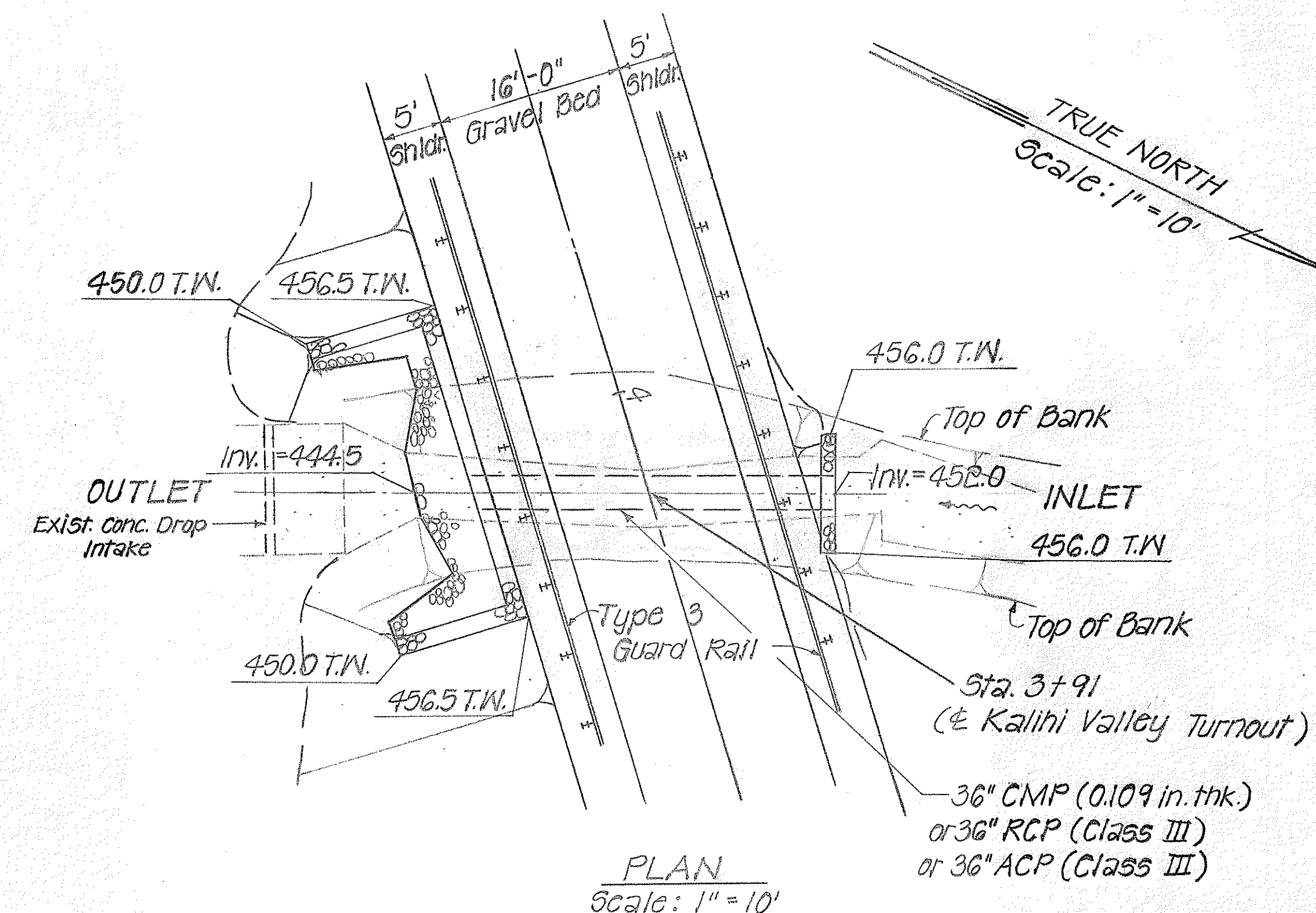
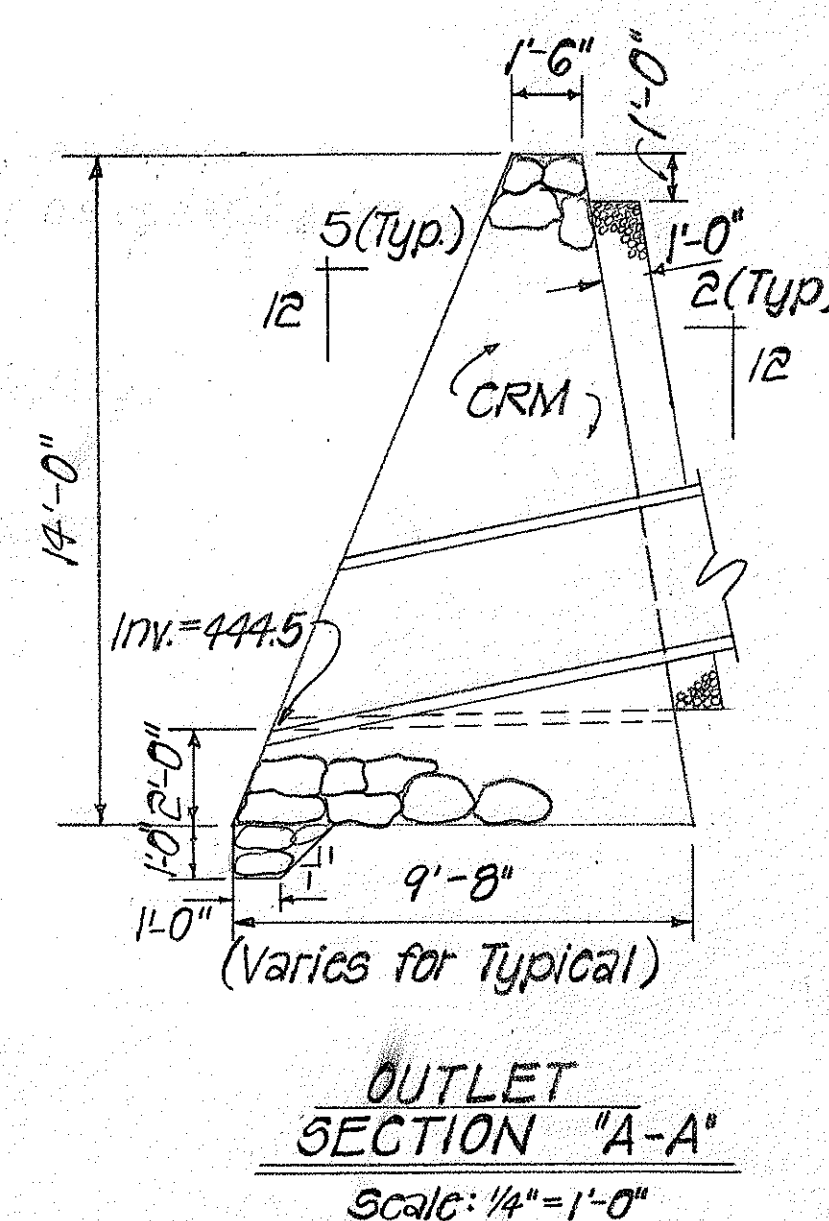
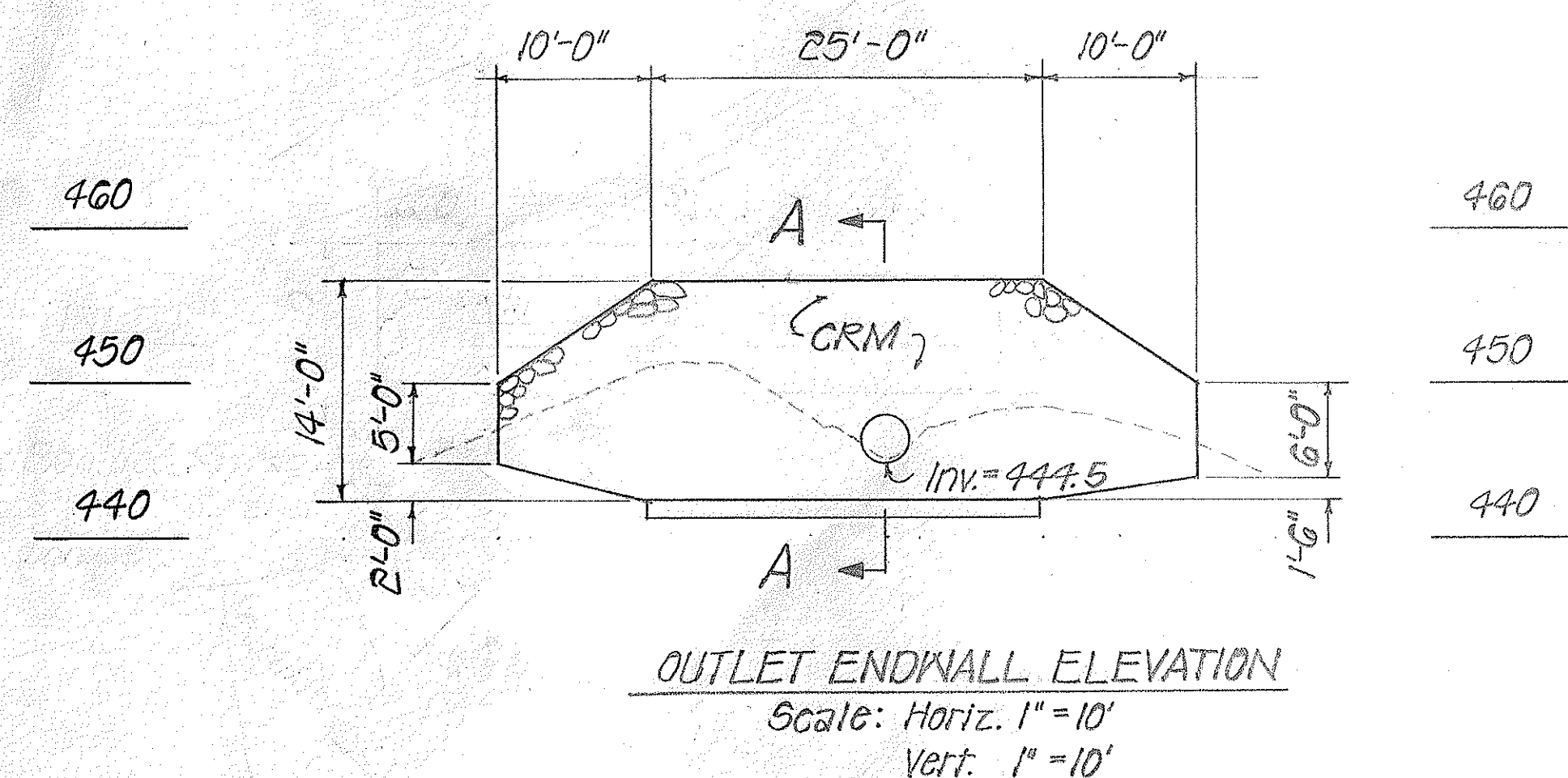
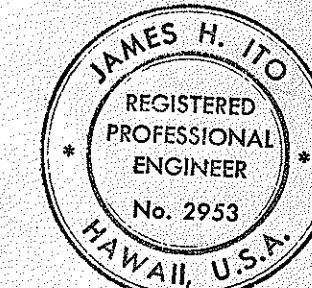


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-063-1(5)	1974	5	15



12" thick bed course material.
Trench to be backfilled w/
bed course material to a
depth of 10% of pipe O.D.
above bottom of pipe.

KALIHI VALLEY TURNOUT
DITCH CROSSING



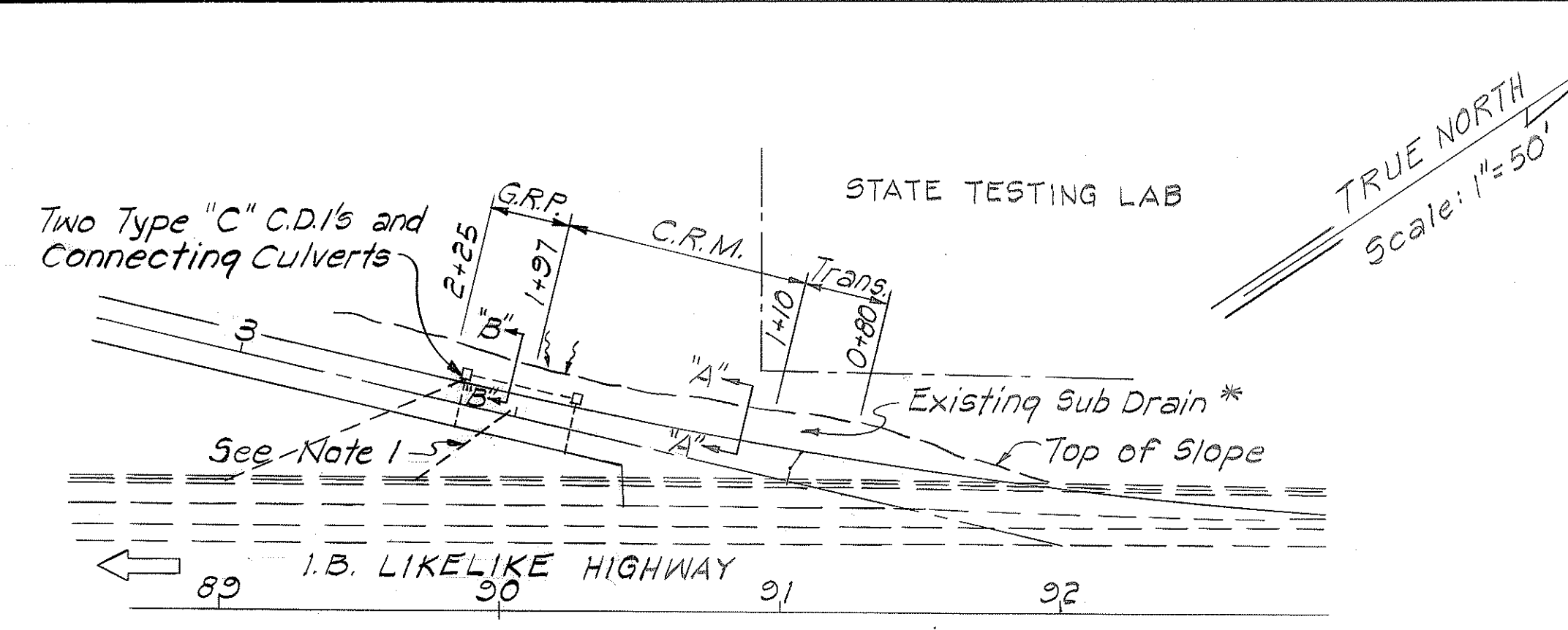
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

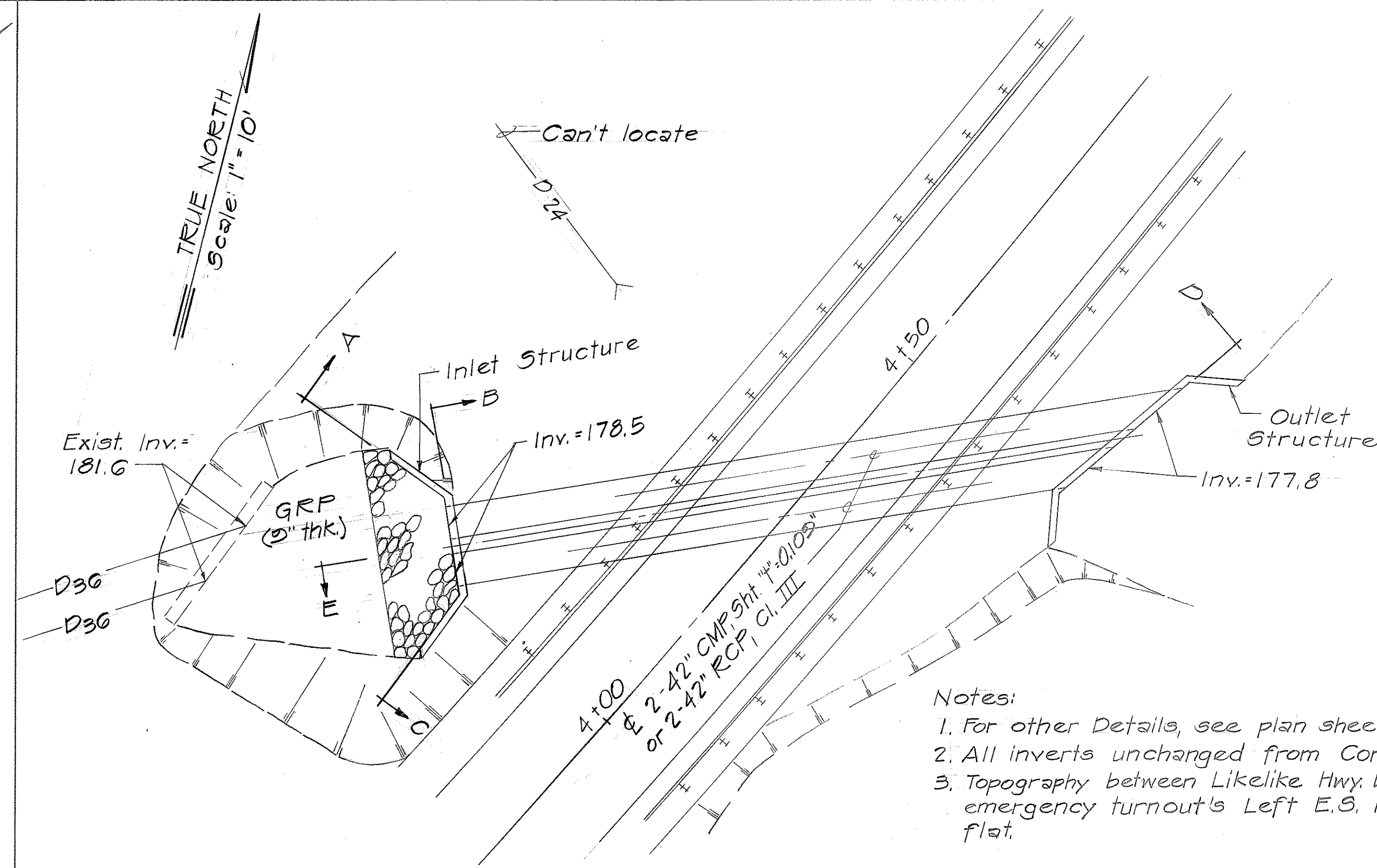
CULVERTS AND DETAILS
KALIHI VALLEY TURNOUT
EMERGENCY TRUCK TURNOUTS
ON LIKELIKE HIGHWAY
PROJECT NO. F-063-1(5)
SCALE: As Noted DATE: FEB. 1974
SHEET No. 1 OF 2 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTE BOOK	_____
No.	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-063-1(5)	1974	C.O.5S-1	15

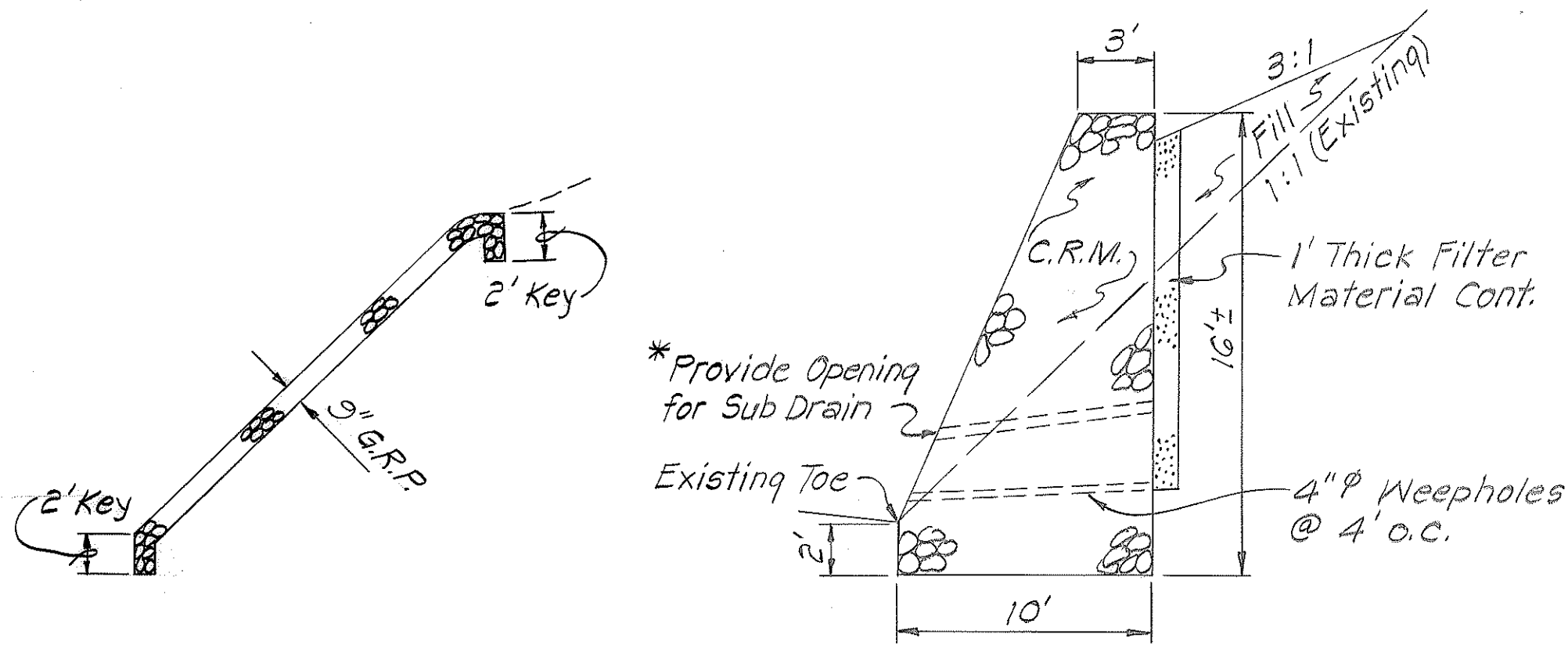


PLAN
Scale: 1"=50'



PLAN

- Notes:
1. For other Details, see plan sheet No. 6.
 2. All inverts unchanged from Contract Plans.
 3. Topography between Likelike Hwy. E.S. and emergency turnout's Left E.S. relatively flat.



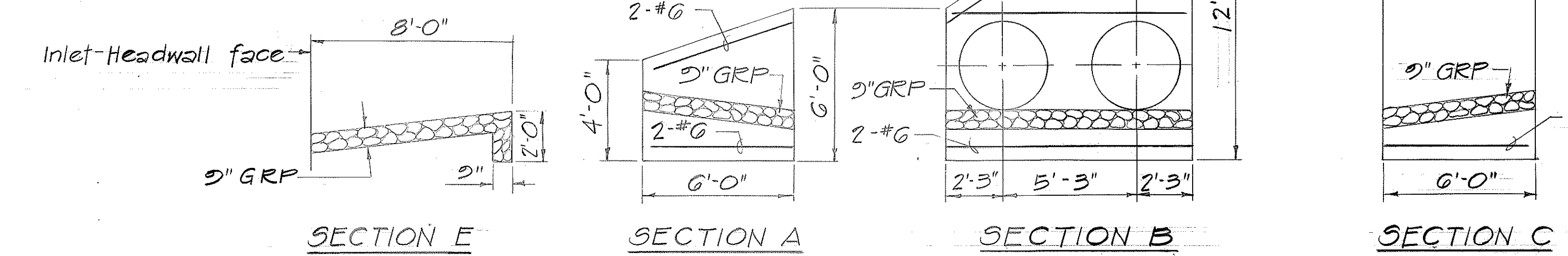
SECTION "B-B"
Not to Scale

SECTION "A-A"
Scale: 1"=50'

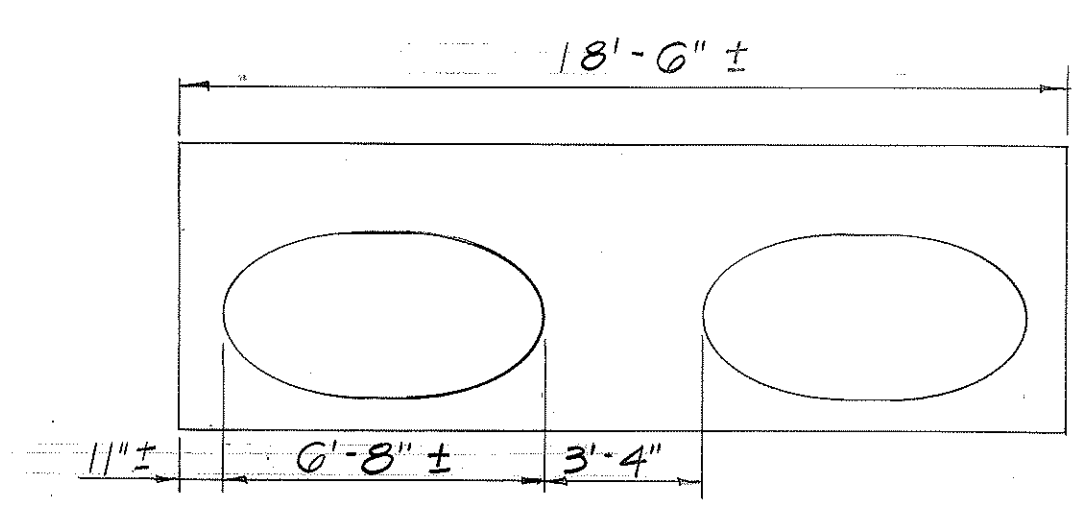
@ 0+80
Not to Scale

- NOTES:
1. See sheet 3 for more details concerning this sub-drain.
 2. At end of C.R.M. Wall (Sta. 1+97±) construct a C.R.M. End Wall 90° to the retaining wall to match in with the G.R.P. lining.
 3. For balance of details, see plan sheets 3 and 5.

C.R.M. & G.R.P. SLOPE PROTECTION
@ KALIHI TURNOUT
Scale: As Shown



INLET STRUCTURE
Scale: 1/4"=1'-0"



SECTION D
OUTLET STRUCTURE
Scale: 1/4"=1'-0"

2-42" CULVERT CROSSING
AT STA. 4+32.5±

THIS TRACING PREPARED
DURING "AS-BUILT" POSTING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
CRM & GRP SLOPE PROTECTION
AND
REALIGNMENT OF DRAINAGE CULVERT
ON LIKELIKE HIGHWAY
PROJECT NO. F-063-1(5)
Scale: As Shown Date: March, 1978
SHEET NO. 1A OF 2 SHEETS

C.O.5S-1

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

