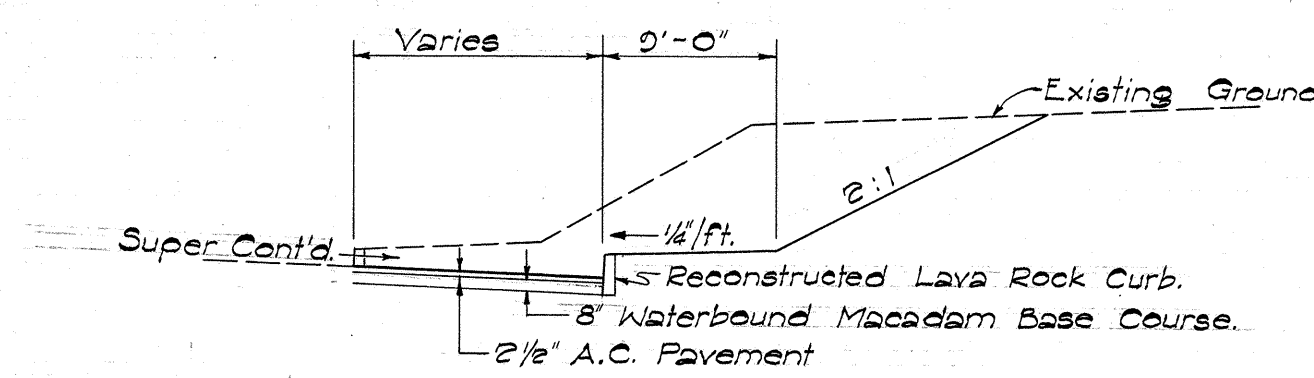


GENERAL NOTES

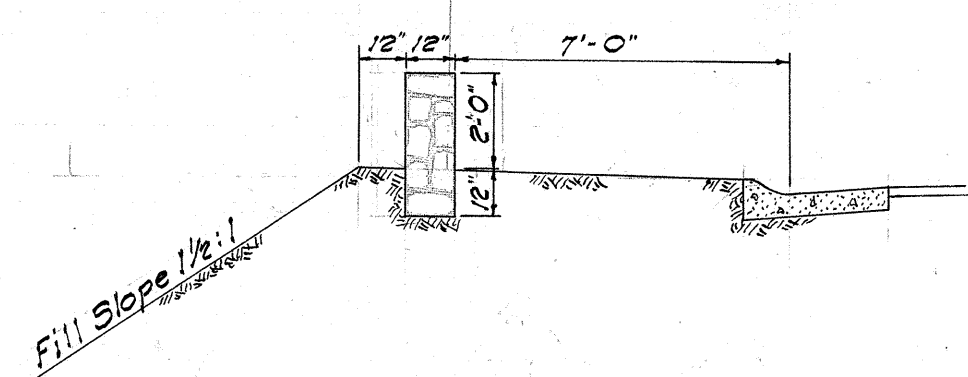
1. All clearing and grubbing shall be incidental to unclassified excavation.
2. Smooth riding connection shall be made at all connections with existing roadway.
3. Existing manhole covers shall be adjusted to new grades as directed by the Engineer.
4. Location of existing underground utilities are approximate only and must be verified by the contractor where required by the Engineer before construction.
5. All existing lava rock curbing shall be salvaged by the contractor and reconstructed where indicated by the plans or where requested by the Engineer. Unused salvaged lava rock curb shall be neatly stockpiled where indicated by the Engineer.
6. Connections between new curbing and existing curbing shall have a transition not less than 10'-0" in length and constructed in a smooth and workmanlike manner. Payment for the new curb shall be made to the beginning of the existing curb.
7. Connections between new curbing of different cross-sections shall have a transition not less than 10'-0" in length and constructed in a smooth and workmanlike manner. Payment for the respective type of curb shall be made to the center of the transition.
8. Reinforced Concrete Driveways shall be 4" thick Class A-1 Portland Cement Concrete reinforced with GxG - 9/8 wire mesh.
9. Origin of Azimuth referred to Wylie's Δ
10. Datum - Elevations based on mean sea level.
11. All trees outside of Roadway Prism to remain.
12. All work between Puuwa Road and Lower Dowsett Avenue must be fully completed by August 31, 1955 - See Special Provisions.

Curve Data	Inbound	Outbound
Δ = 14'40"	Δ = 14'40"	Δ = 14'40"
R = 1,000'	R = 885.70'	R = 753.24'
D = 378.058'	D = 646.808'	D = 760.658'
T = 130.03'	T = 115.12'	T = 97.94'
L = 258.60'	L = 220.04'	L = 104.25'
C = 257.88'	C = 228.40'	C = 104.25'

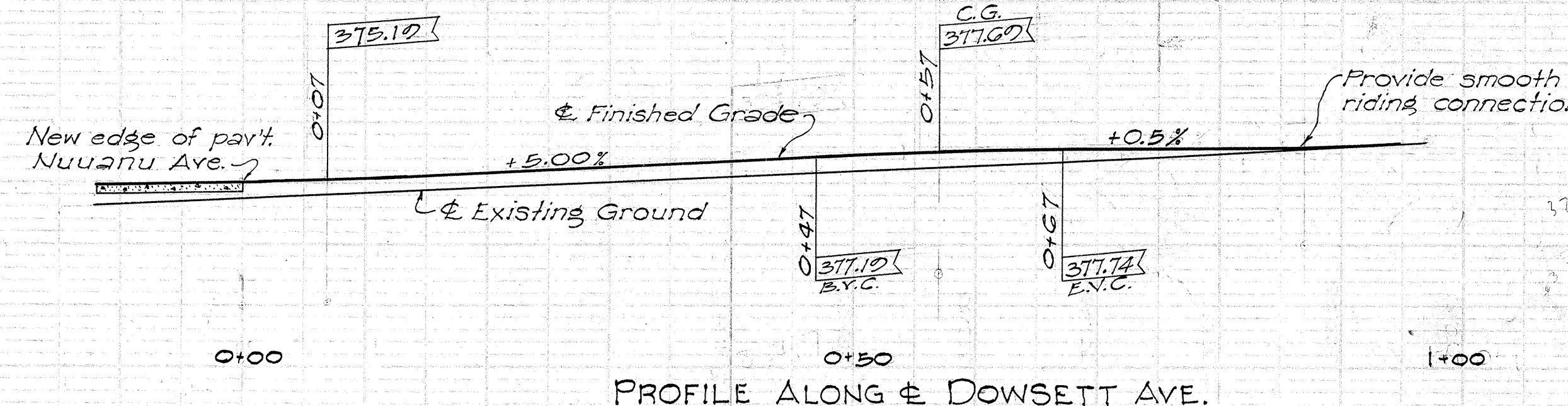
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	U33(2)	1955	3	42



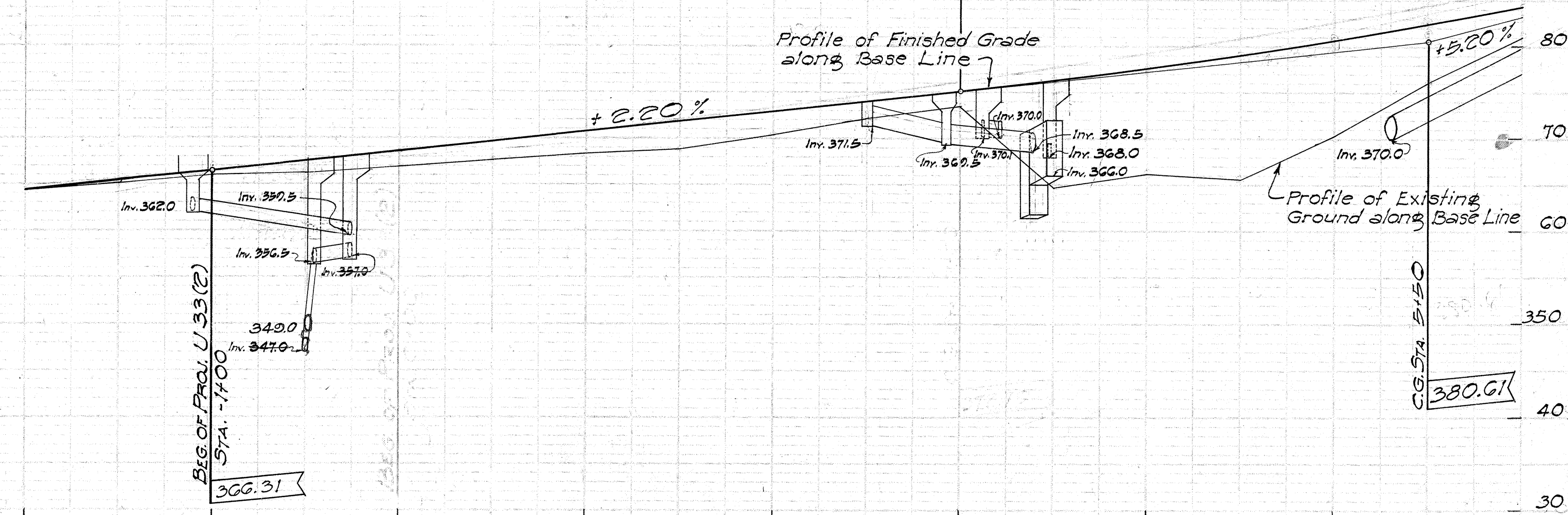
TYPICAL SECTION OF WIDENING
ALONG QUEEN EMMA PARK
Scale: 1" = 10'-0"



DETAIL OF C.R.M. GUARD WALL
Scale: 1/4" = 1'-0"



PROFILE ALONG DOWSETT AVE.



Curve Data	Inbound	Outbound
$\Delta = 12^\circ 33'$	$\Delta = 12^\circ 33'$	$\Delta = 12^\circ 33'$
$R = 5,800'$	$R = 5,458'$	$R = 5,500'$
$D = 0.08786'$	$D = 1.04076'$	$D = 1.04174'$
$T = 637.76'$	$T = 600.16'$	$T = 604.78'$
$L = 1,270.43'$	$L = 1,103.31'$	$L = 1,204.71'$
$C = 1,267.89'$	$C = 1,193.13'$	$C = 1,202.31'$

Sta. 17+94 to 29+64
Construct Wood Guard
Rail with Conc. Posts
Approx. 1470 L.F.

Sta. 23+50
2-Type 'C' Catch Basins
1-Concrete Headwall
Est. Quant.
Struc. Exc. 34 cy.
Class A-1 Conc. 12.0 cy.
Class B-1 Conc. 1.4 cy.
Reinf. Steel 232 lb.
C.R.M. 27.0 cy.

Sta. 23+50 to 27+00
Construct Dirt Ditch
350 lin. ft. 166
Uncl. Exc. 210 cy.

Sta. 28+35
1-Type 'B' Catch Basin
1-Type 'C' Catch Basin
1-Concrete Headwall
Est. Quant.
Struc. Exc. 59 cy. 62 cy.
Class A-1 Conc. 12.0 cy. 12.6 cy.
Class B-1 Conc. 1.4 cy. 2.1 cy.
Reinf. Steel 232 lb.
C.R.M. 23.0 cy.

Install Federal Aid
Marker as directed
by the Engineer.

Sta. 29+65 Construct
Wood Guard Rail with
Conc. posts across Inbound
and Outbound Lanes.
Approx. 81 L.F.
Install red reflectors
0' o.c. on face of rail.
Incidental to Wood Guard Rail.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	U 33(2)	1955	5	42

DETAIL OF SIDE DITCH
Scale: 1/4" = 1'-0"

