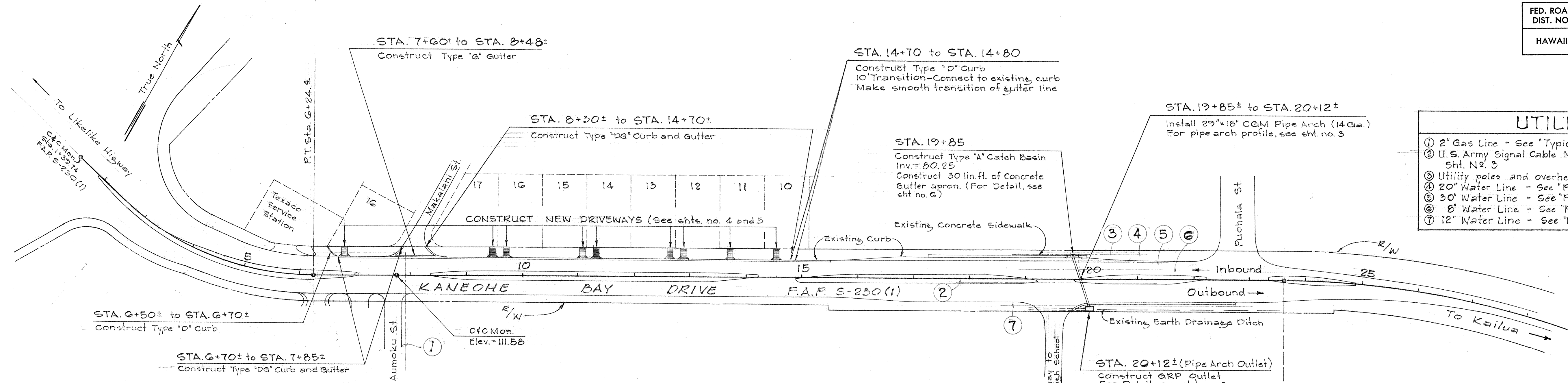


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				

UTILITY LINES	
①	2" Gas Line - See "Typical Section of Shoulder Area", Sht. N ^o 3
②	U. S. Army Signal Cable N ^o C-9142 - See "Profile of Pipe Arch", Sht. N ^o 3
③	Utility poles and overhead lines.
④	20" Water Line - See "Profile of Pipe Arch", Sht. N ^o 3
⑤	30" Water Line - See "Profile of Pipe Arch", Sht. N ^o 3
⑥	8" Water Line - See "Profile of Pipe Arch", Sht. N ^o 3
⑦	12" Water Line - See "Profile of Pipe Arch", Sht. N ^o 3

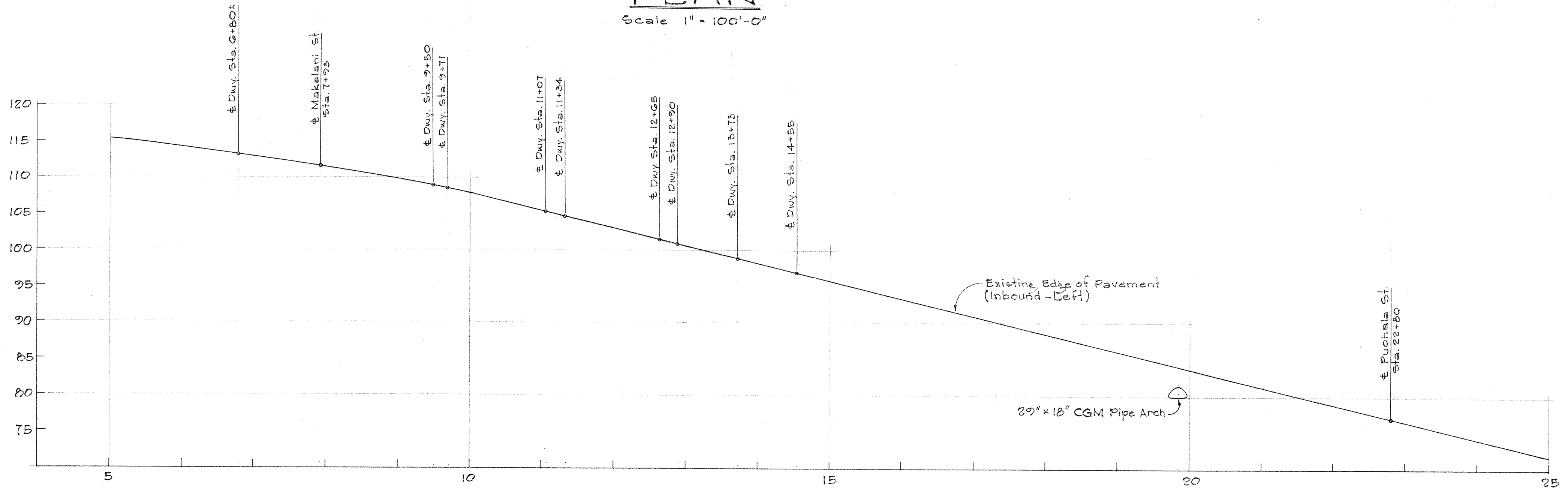


WINDWARD SHOPPING CENTER

JAMES B. CASTLE HIGH SCHOOL

PLAN

Scale: 1" = 100'-0"



PROFILE

Scale: Hor. 1" = 100'-0"
Vert. 1" = 10'-0"

ESTIMATED QUANTITIES

Roadway Excavation	13	Cu. Yd.
Structure Excavation other than at Bridges	80	Cu. Yd.
Ditch and Channel Excavation	15	Cu. Yd.
Imported Borrow	115	Cu. Yd.
Untreated Base for Pipe Foundation	8	Cu. Yd.
Class "A-1" Concrete other than in Bridges	4	Cu. Yd.
Class "B-1" Concrete other than in Bridges	0.5	Cu. Yd.
Reinforcing Steel other than in Bridges	145	Lb.
27-Inch by 18-Inch Corrugated Metal Pipe Arch (14 Gage)	104	Lin. Ft.
Grouted Rubble Paving	10	Cu. Yd.
Type D Cast-in-Place Concrete Curb	38	Lin. Ft.
Type G Cast-in-Place Concrete Curb	88	Lin. Ft.
Type DG Cast-in-Place Concrete Curb and Gutter	805	Lin. Ft.
Type B Cast Iron Frame and Cover	1	Each
Finish 8" Cast Iron Pipe, Class 250	1	Each
Finish 8" Sleeve, 15" Long	1	Each
Finish 8" Offset, 18" Drop	2	Each
Restoring Highway Pavement for Pipe Arch	62	Lin. Ft.
Restoring Highway Pavement for Water Line	14	Lin. Ft.
Restoring Highway Pavement for Signal Cable	16	Lin. Ft.
Asphalt Concrete Driveaway	2323	Sq. Ft.

NOTES

- The Contractor shall investigate to a depth of 6' below the limits of the work area to locate U. S. Army Signal Corps. Cable N^o C-9142, and shall relocate said cable in accordance with the plans and specifications, unless otherwise directed by the Engineer.
- Elevations based on C&C street monument at Makalani St. Elevation = 111.58

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DRAINAGE
IMPROVEMENTS ON OAHU - UNIT III

KANEOHE BAY DRIVE
Proj. N^o A - 630 - 01 - 66

PLAN AND PROFILE

Scale: As Shown Date: August, 1966

SHEET No. 1 OF 5 SHEETS

KANEOHE BAY DRIVE

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
QUANTITIES BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
NO.	_____