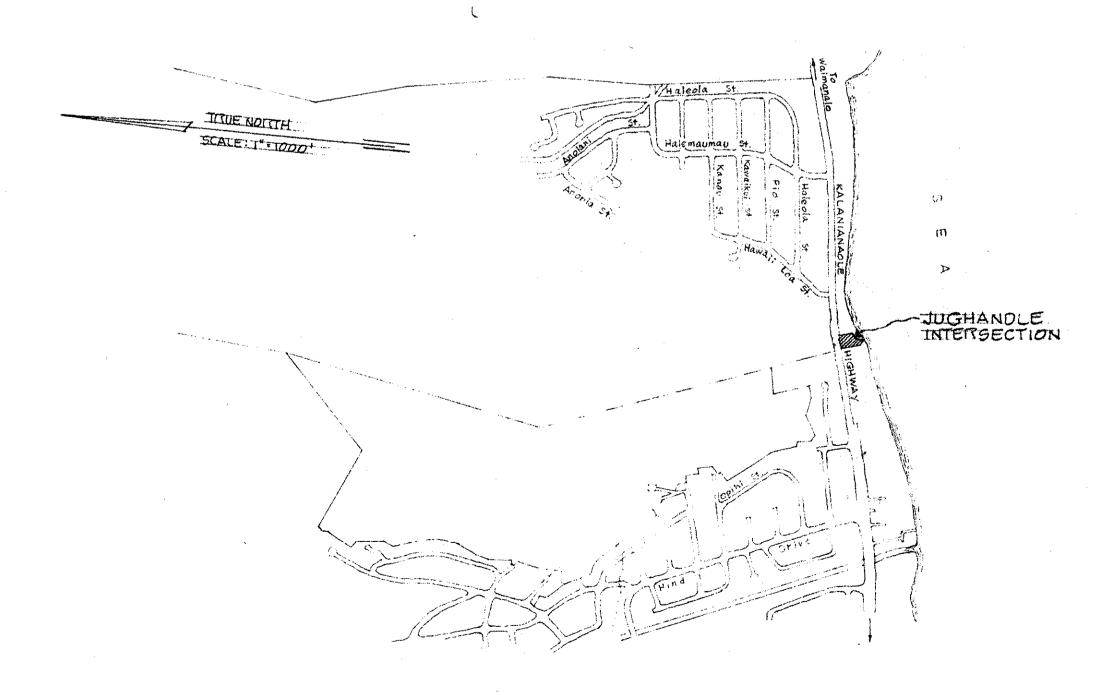
STANDARD VEHICLE SIGNAL HEADS (SIGNAL) WITH INDICATIONS AS SHOWN. MOUNTED ON TYPE I 10' STANDARD. PEDESTRIAN SIGNAL HEADS, WALK - DON'T WALK, MOUNTED ON TRAFFIC SIGNAL STANDARD AS SHOWN. STANDARD VEHICLE STANDARD HEADS (SIGNAL) WITH INDICATIONS AS SHOWN. MOUNTED ON TYPE II B WITH MAST ARM TYPE. DIMENSIONS AS SHOWN. TRAFFIC SIGNAL PULLBOX (TSB) TYPE "A" TRAFFIC SIGNAL CONTROLLER TRAFFIC SIGNAL LOOPS (TYPE AS INDICATED).

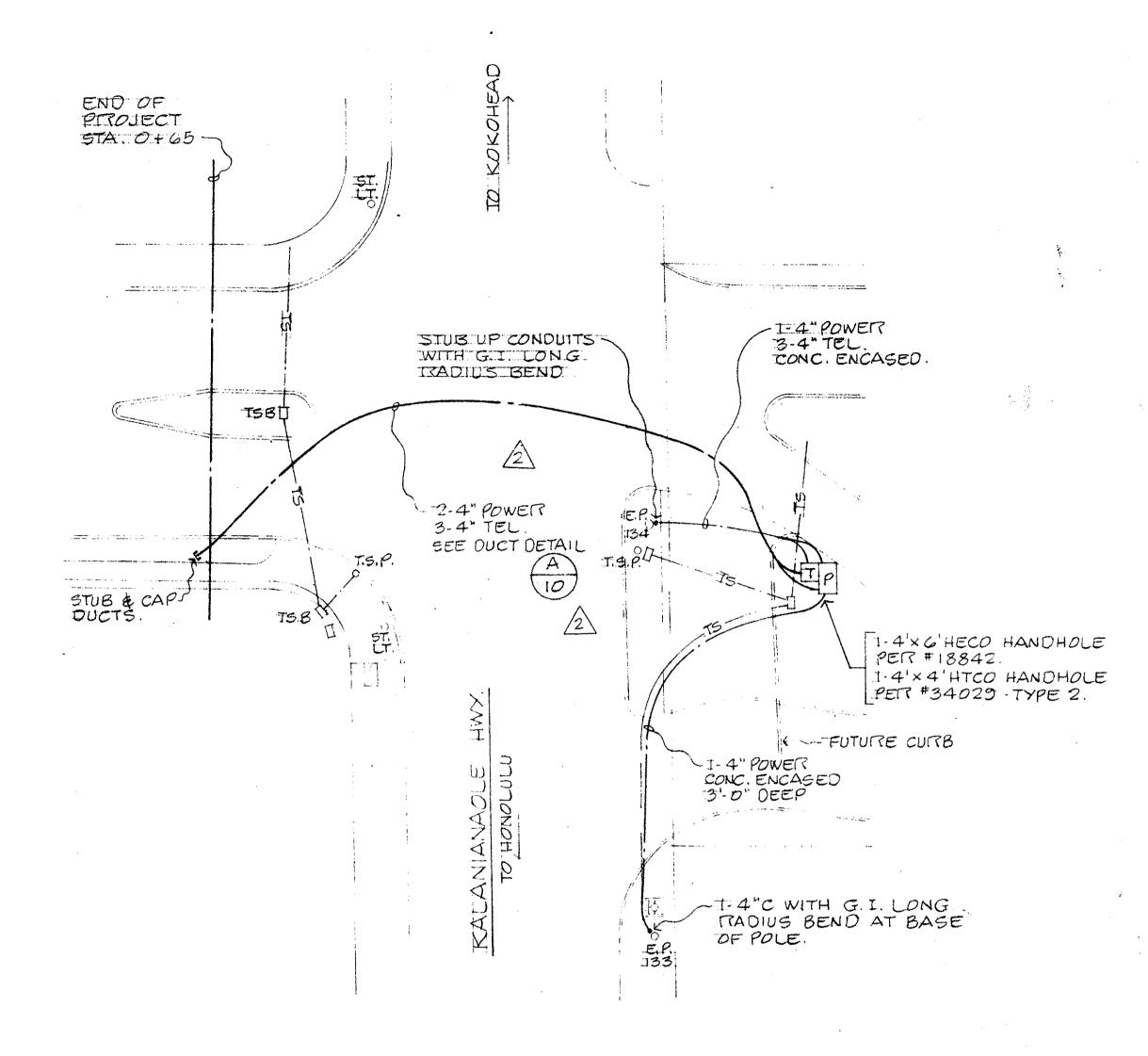
UNDERGROUND UTILITY LINES

TRAFFIC SIGNAL NOTES

- 1. ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS ONLY.
 THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES
 WITH THE RESPECTIVE UTILITY COMPANIES. ANY DAMAGE TO THE EXISTING
 UTILITIES DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR
 AT HIS OWN COST.
- 2. TRAFFIC SIGNAL PAVEMENT MARKINGS SHOWN ARE FOR DESIGN BASIS ONLY.
 ALL MARKINGS SHALL BE VERIFIED WITH THE APPROPIATE GOVERNMENT
 AGENCIES PRIOR TO INSTALLATION OF THE TRAFFIC SIGNAL SYSTEMS.
- 3. ALL PULLBOXES, TRAFFIC SIGNAL STANDARDS, LOOP DETECTORS AND CONDUIT RUNS SHALL BE STAKED OUT IN THE FIELD FOR THE APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION.
- 4 UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION 1969, OF THE STATE HIGHWAYS DIVISION
- 5 ALL TRAFFIC SIGNAL WORK SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS, FEDERAL HIGHWAY ADMINISTRATION, 1971.
- 6. CONSTRUCTION OF ALL TRAFFIC SIGNAL SYSTEMS SHALL BE INSPECTED BY THE DEPARTMENT OF TRANSPORTATION SERVICES, CITY & COUNTY OF HONOLULU.
- 7 THE CONTRACTOR SHALL BOND AND GROUND THE TRAFFIC SIGNAL SYSTEM PER STATE OF HAWAII SPECIFICATIONS.
- 8. WORK DONE BY THE DEPARTMENT OF TRANSPORTATION SERVICES, CITY AND COUNTY OF HONOLULU, SHALL CONSIST OF:
 - A) ASSEMBLE AND CONNECT CONTROLLER AND AUXILLARY EQUIPMENT IN CONTROLLER CABINET
 - B) MAKE ALL ELECTRICAL CONNECTIONS IN THE FIELD FOR TRAFFIC SIGNAL SYSTEMS, AFTER THE SYSTEMS HAVE BEEN INSTALLED IN PLACE BY THE CONTRACTOR.
 - C) FINAL ADJUSTMENT OF TRAFFIC SIGNAL CONTROL EQUIPMENT



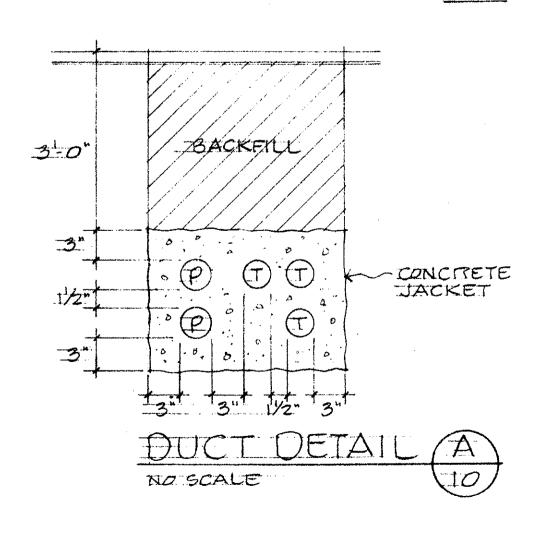
TM.K.: 3-7-01



UTILITY SITE PLAN

SCALE: 1" = 20'- 0"

NOTE: TRAFFIC SIGNAL SHOWN FOR COORDINATION ONLY.



5/	19/77	AS BUILT	GK	
19/	9/76	REPOUTED OUCT AT	GM.D	20
N [DATE	DESCRIPTION	BY	APPR'D
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1+	AV	VAII LOA MID	GE	
	S R A	9/9/76 N DATE	GRAY, RHEE & ASSOCIATES, CONSULTING ENGINEERS	9/9/76 TREROUTED OUCT AT GMD N DATE DESCRIPTION BY GRAY, RHEE & ASSOCIATES, INC. CONSULTING ENGINEERS

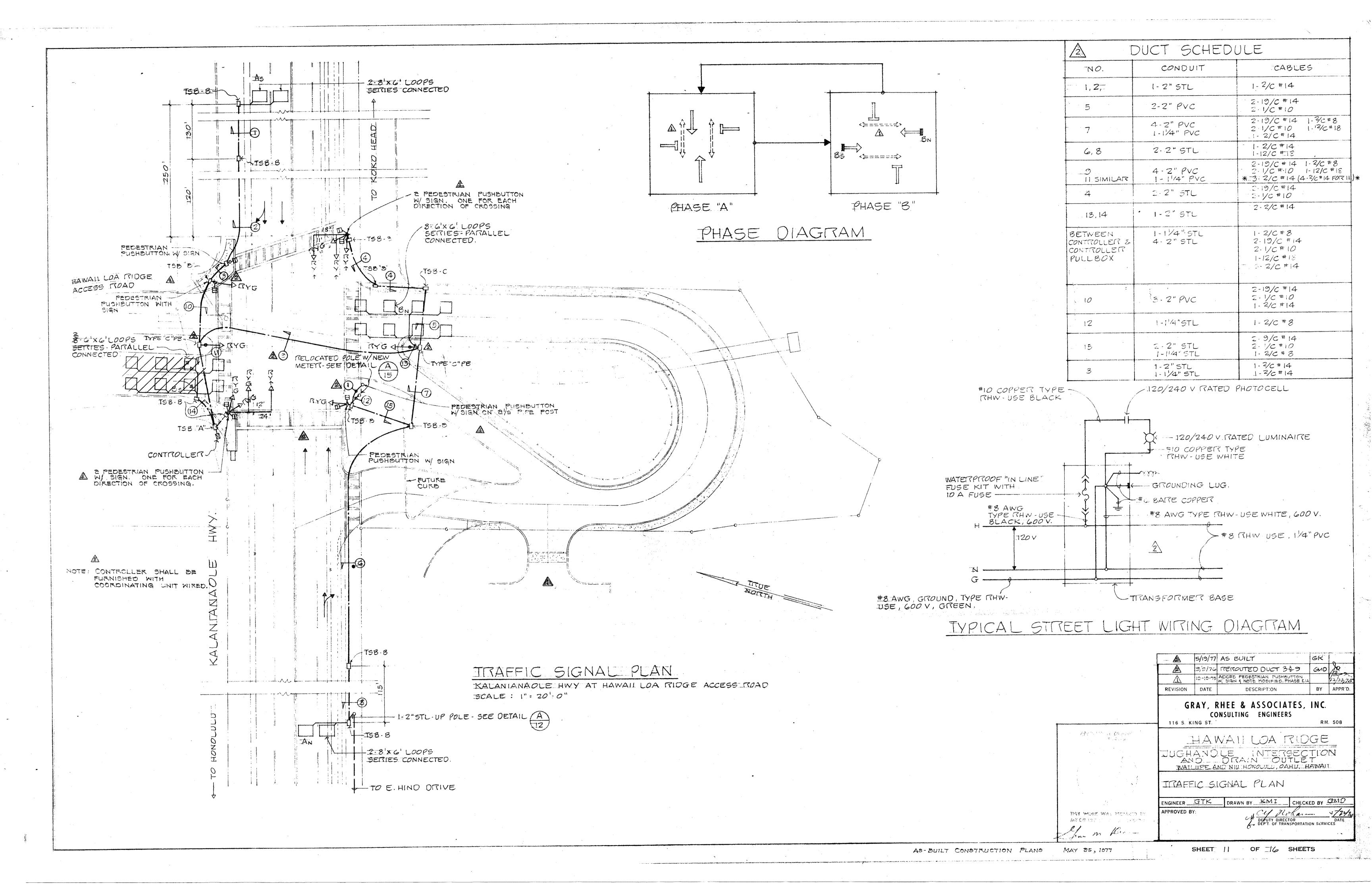
TRAFFIC SIGNAL LEGEND & NOTES

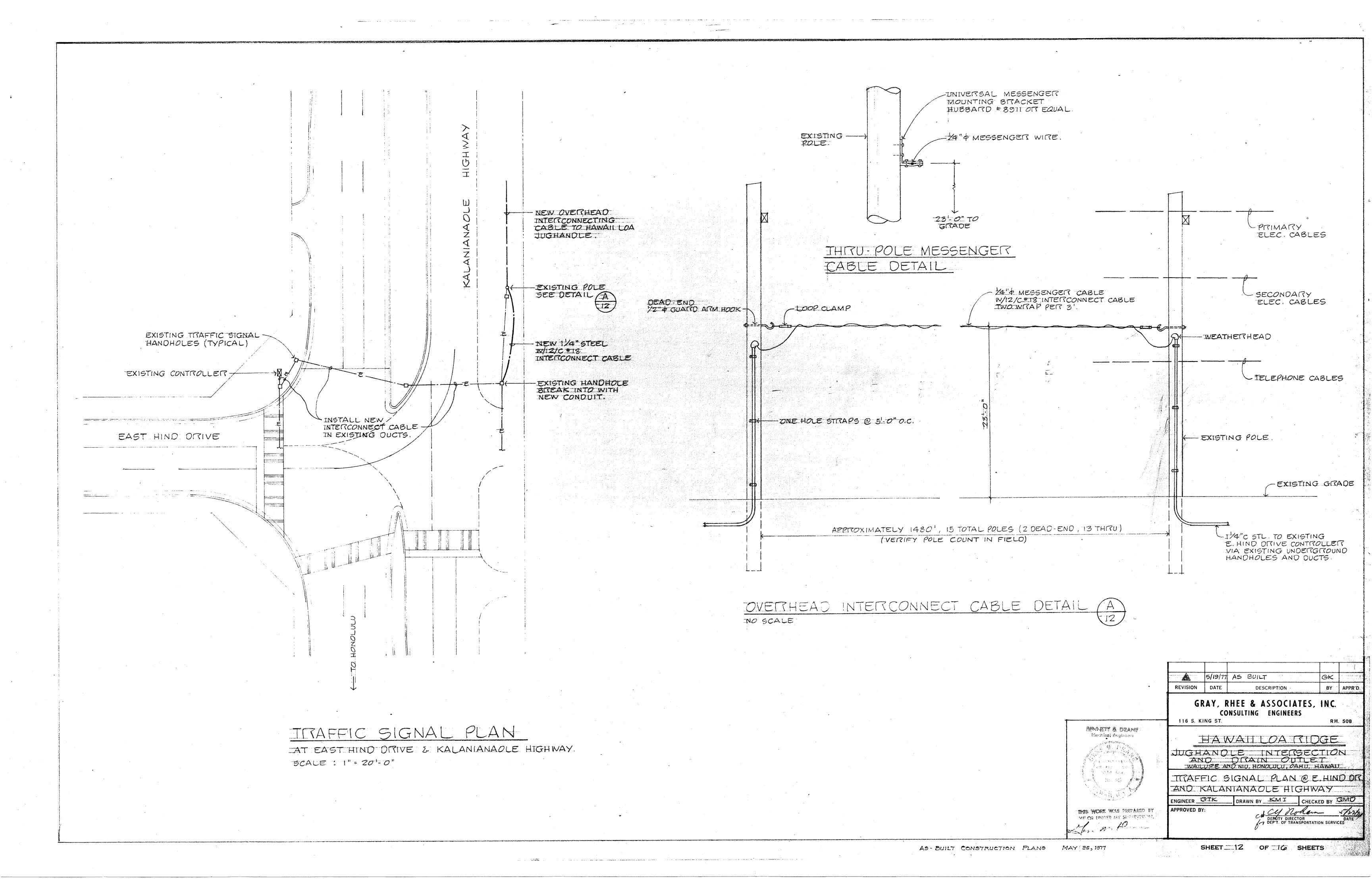
ENGINEER GTK DRAWN BY KMI CHECKED BY GMD

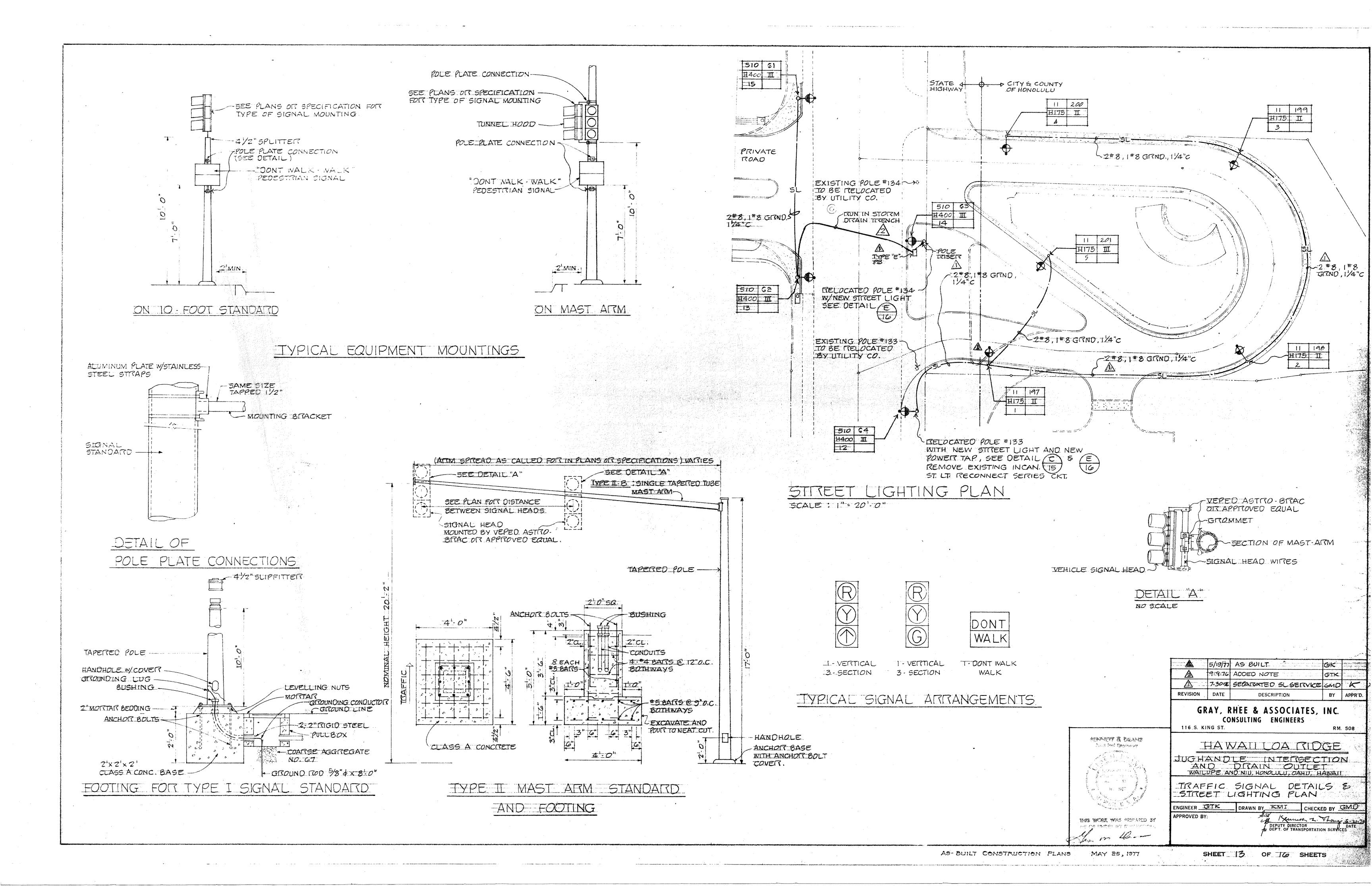
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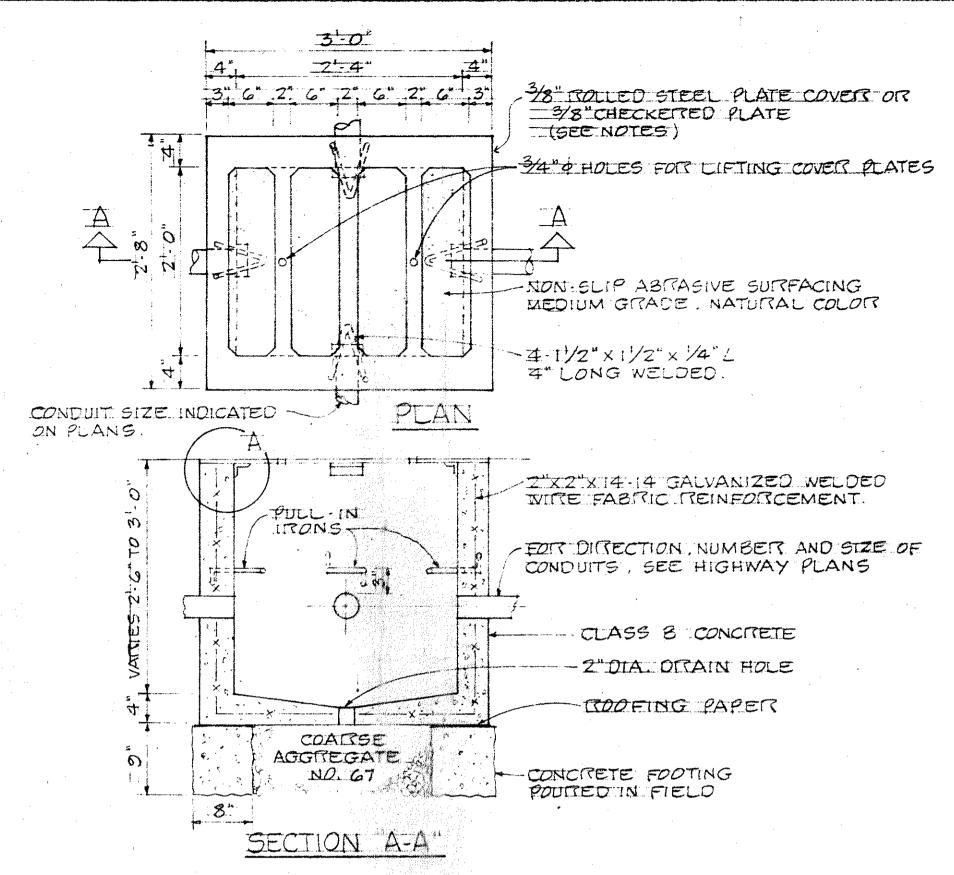
OF CHECKED BY GMD

DEPUTY DIRECTOR DATE

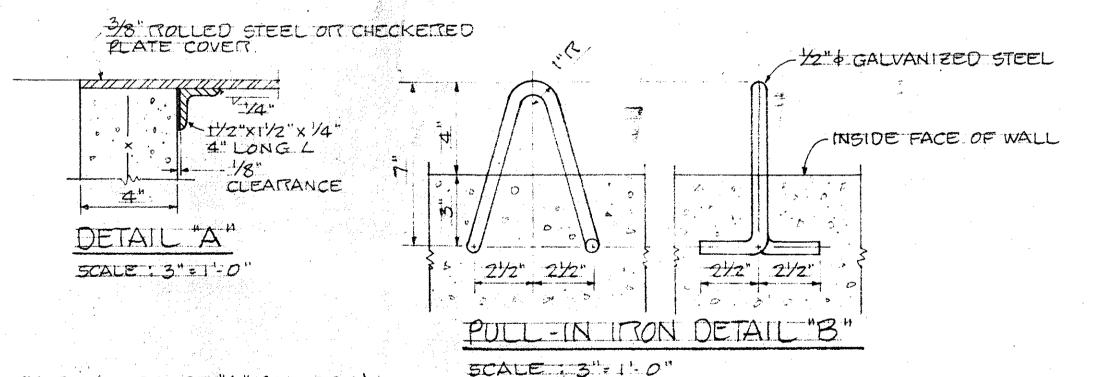








TYPE "A" PULLBOX CAST-IN-PLACE

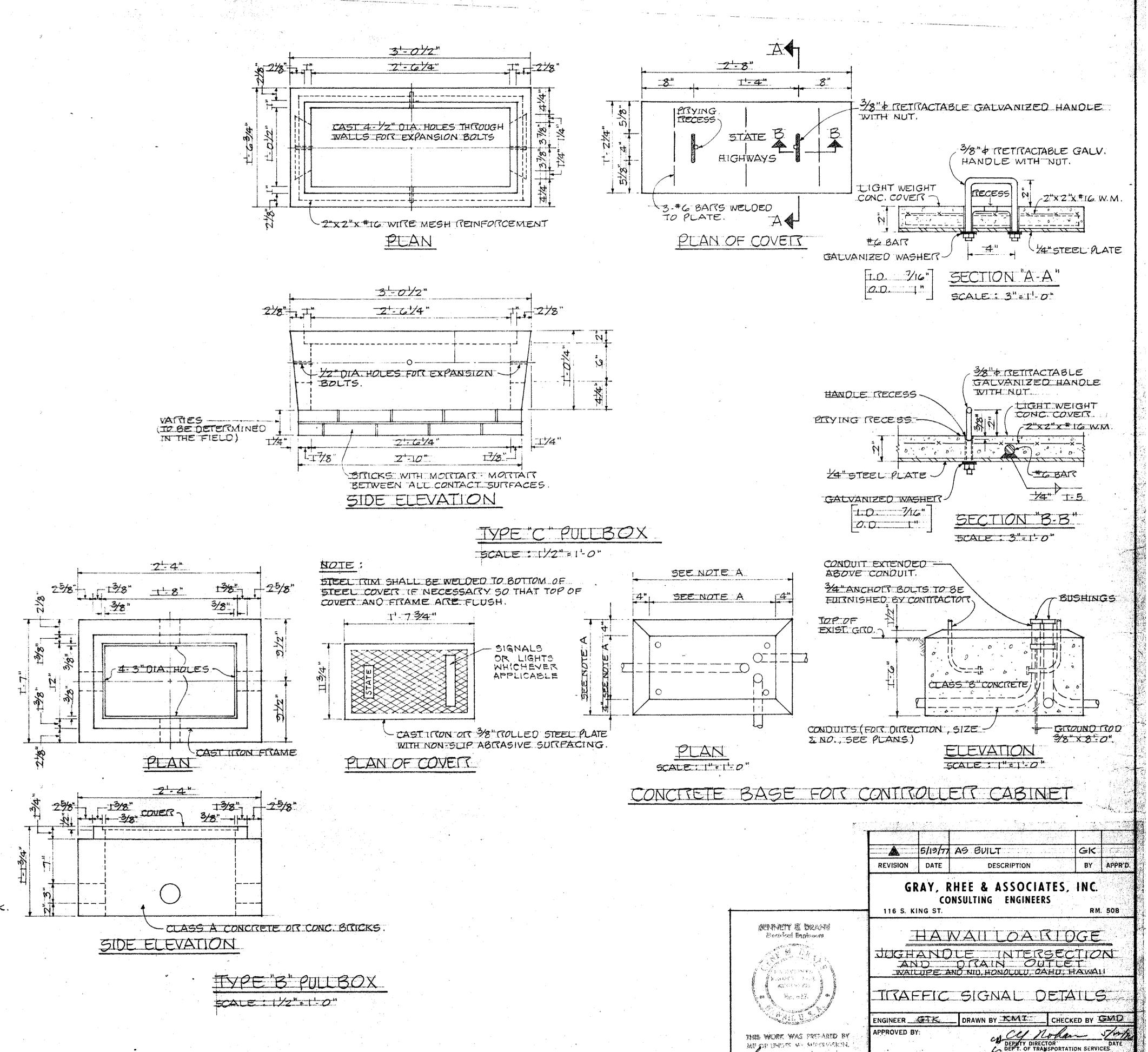


NOTES: (FOR TYPE "A" PULLBOX)

- I 3/8" MOLLED STEEL PLATE COVER WITH NON-SLIP ABRASIVE SURFACING MEDIUM GRADE, NATURAL COLOR SHALL BE USED ON ALL PULLBOXES LOCATED ON SIDEWALK AREAS WHERE PEDESTRIANS ARE WALKING.
- 2. 3/8" CHECKERED PLATE COVER SHALL BE USED ON ALL PULLBOXES LOCATED IN MEDIAN AREAS AND DITHER LOCATIONS WHERE THERE ARE NO PEDESTRIANS WALKING
- 3 PULL IRONS SHALL BE PLACED OPPOSITE EACH CONDUIT SLOT.
- A COVERS ON ALL PULLBOXES LOCATED IN SIDEWALK AREAS SHALL BE SET FLUSH WITH THE CONC. SIDEWALK 5. EACH PULLBOX SHALL HAVE A PAIR OF PULL IRONS OPPOSITE EACH OTHER FOR LIFTING PURPOSES.

NOTES: (FOR CONC. BASE FOR CONTROLLER CABINET)

- A. DIMENSIONS TO BE DETERMINED BY THE SIZE OF THE CONTROLLER CABINET TO BE FURNISHED UNDER THIS CONTRACT.
- B. DETAILS OF CONDUITS, ANCHOR BOLTS, ETC. ARE APPROXIMATE ONLY, EXACT DETAILS SHALL BE SECURED BY THE CONTRACTOR FROM MANUFACTURER.



SHEET 4 OF 16 SHEETS

MAY 25, 1977

AS BUILT CONSTRUCTION PLANS

