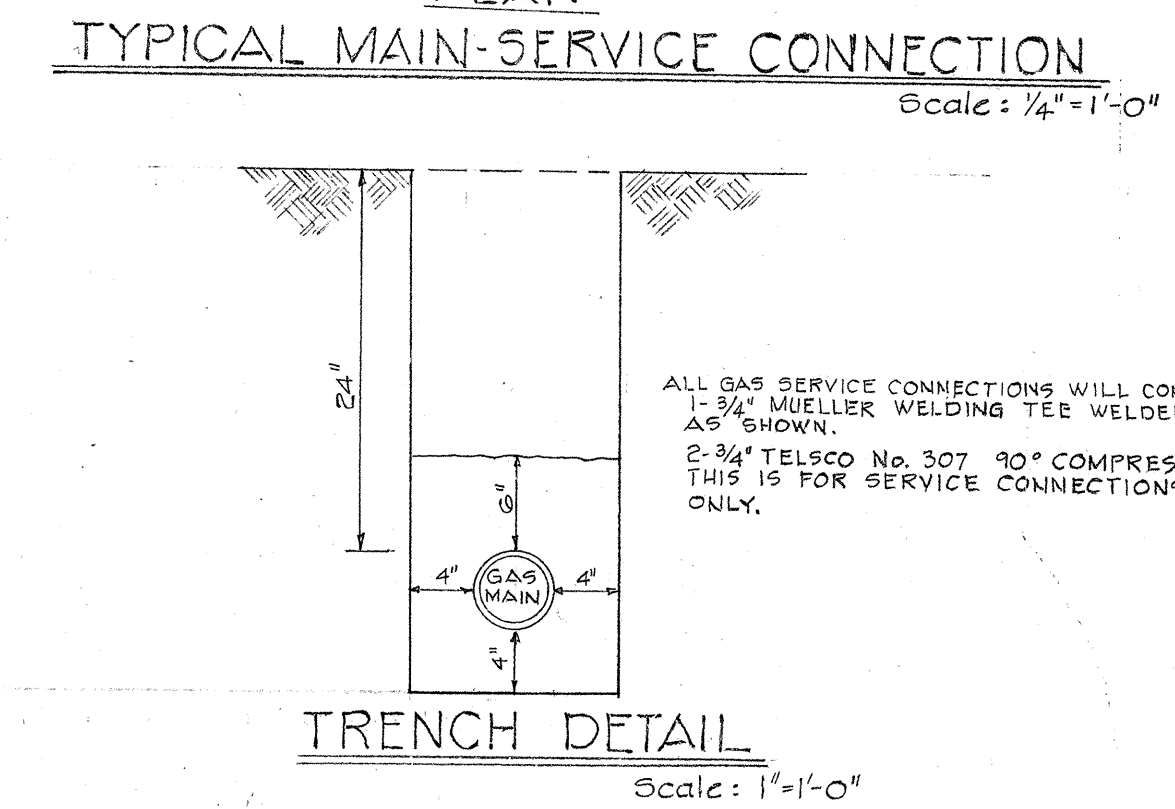
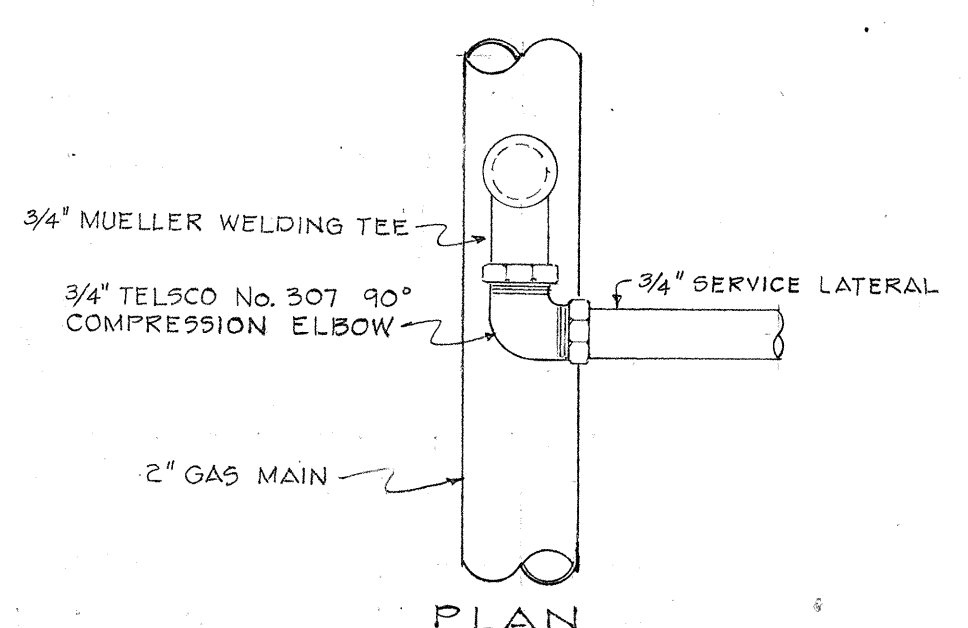
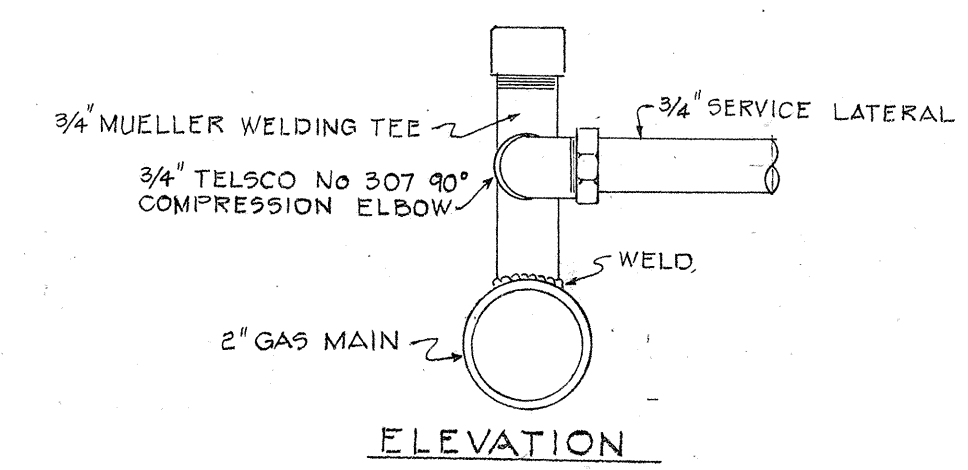
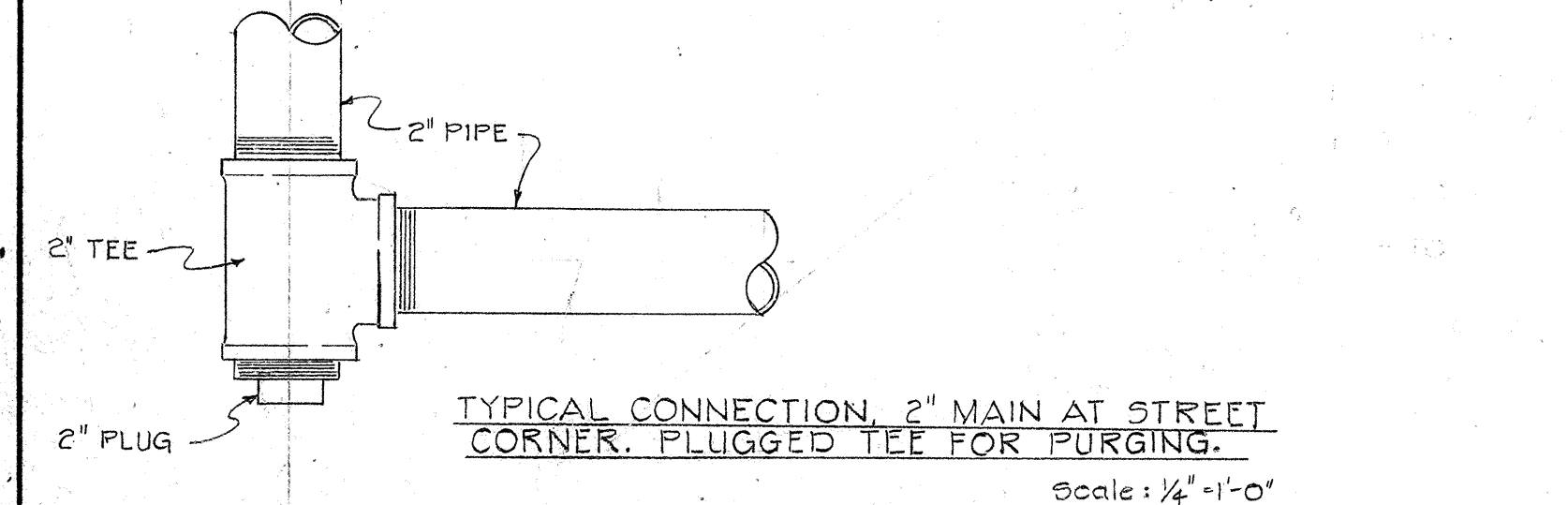
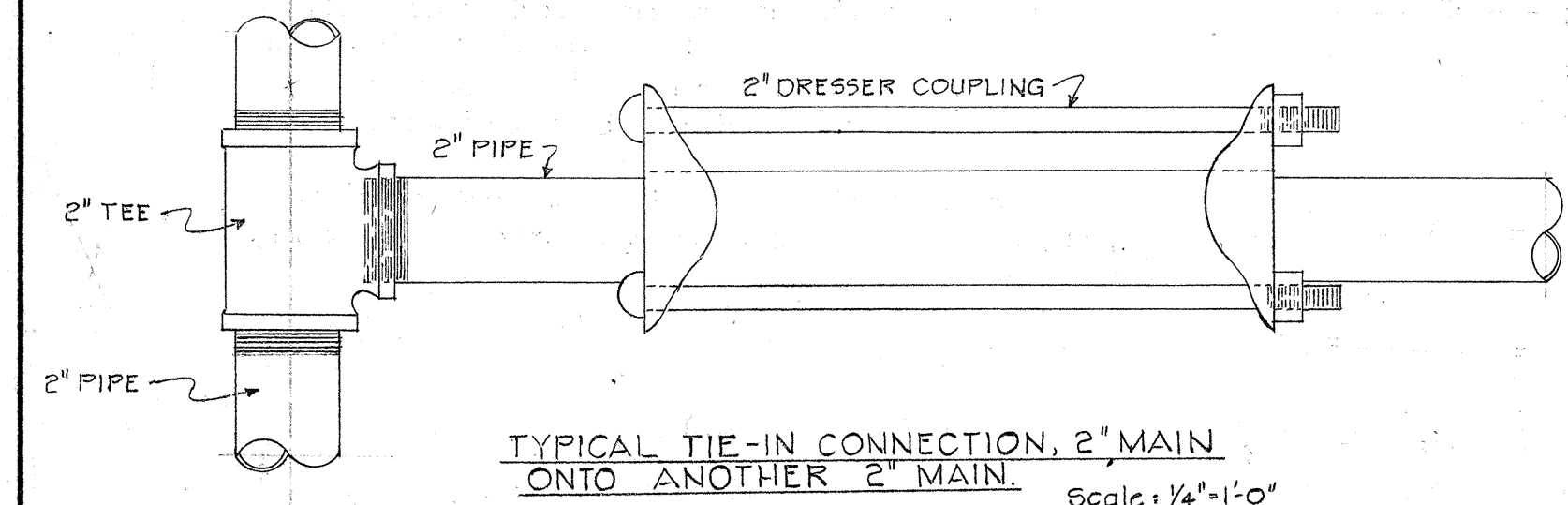
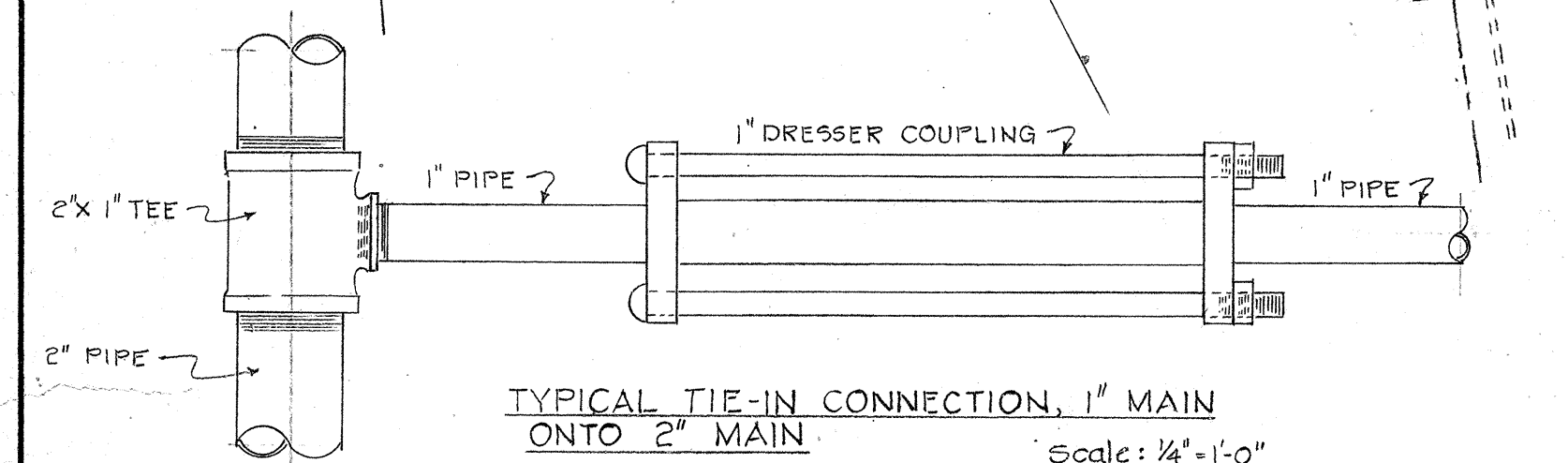
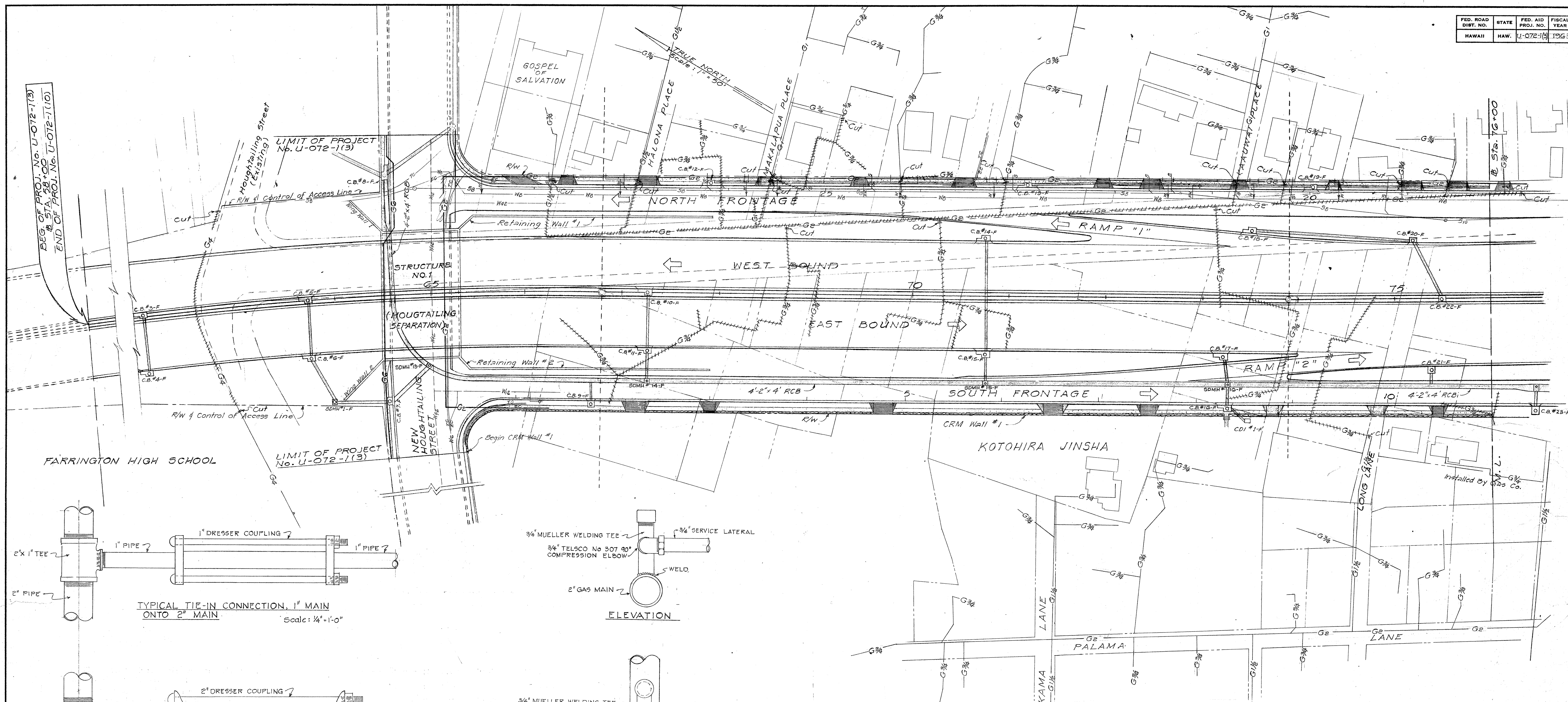


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-072-1(3)	1963	126	246



- LEGEND**
- G2 New Honolulu Gas Co. Main and Service Lines (Sizes Indicated)
 - G2 Exist. Honolulu Gas Co. Main and Service Lines (Sizes Indicated)
 - +++G2+++ Exist. Honolulu Gas Co. Main and Service Lines to be abandoned or removed.
 - G2-//++++ Cut and Cap or Plug.

- LEGEND FOR OTHER UTILITIES**
- S8 8" Sewer Main (Size Indicated)
 - S8--- Exist. 8" Main (Size Indicated)
 - S Sewer Service Lateral
 - W8 8" Water Main (Size Indicated)
 - W8--- Exist. 8" Water Main (Size Indicated)
 - W Water Service Lateral
 - FH Fire Hydrant
 - EC Electric Ducts
 - TC Telephone Ducts

- GENERAL NOTES**
- The utility lines shown on these plans are located from the best sources available. The Contractor shall check and verify the exact location and depth of same.
 - Cutting, plugging & Reconnecting of live gas lines will be done by the Honolulu Gas Co., Ltd.
 - Utility lines other than the Honolulu Gas Co. Lines are shown for the Contractors convenience only. For layout of other utilities, see respective utility plans.

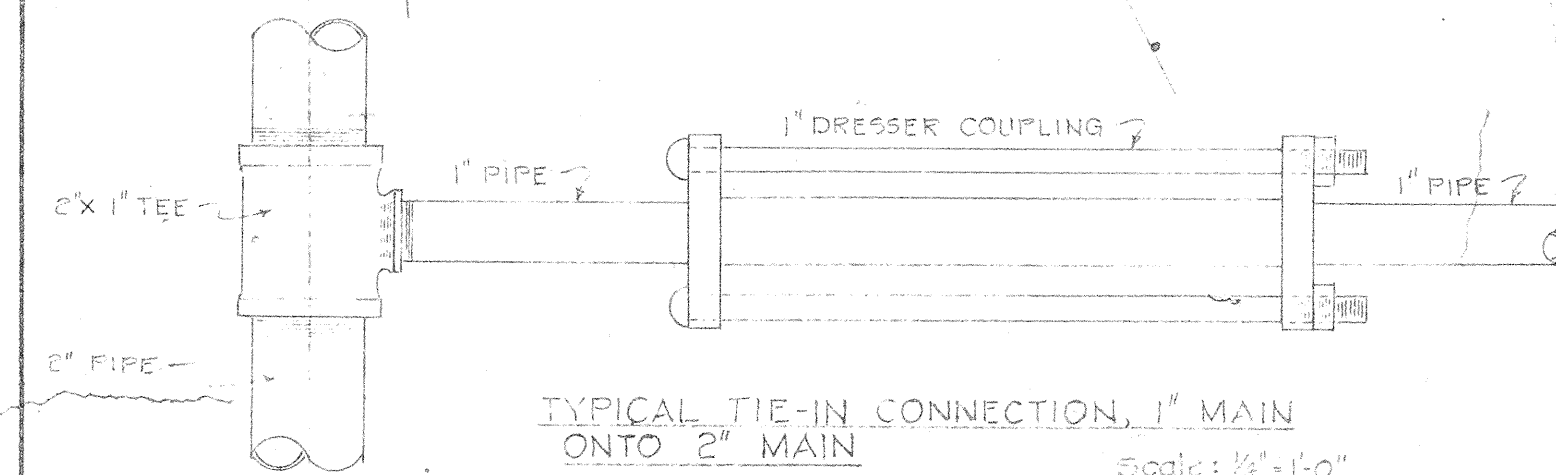
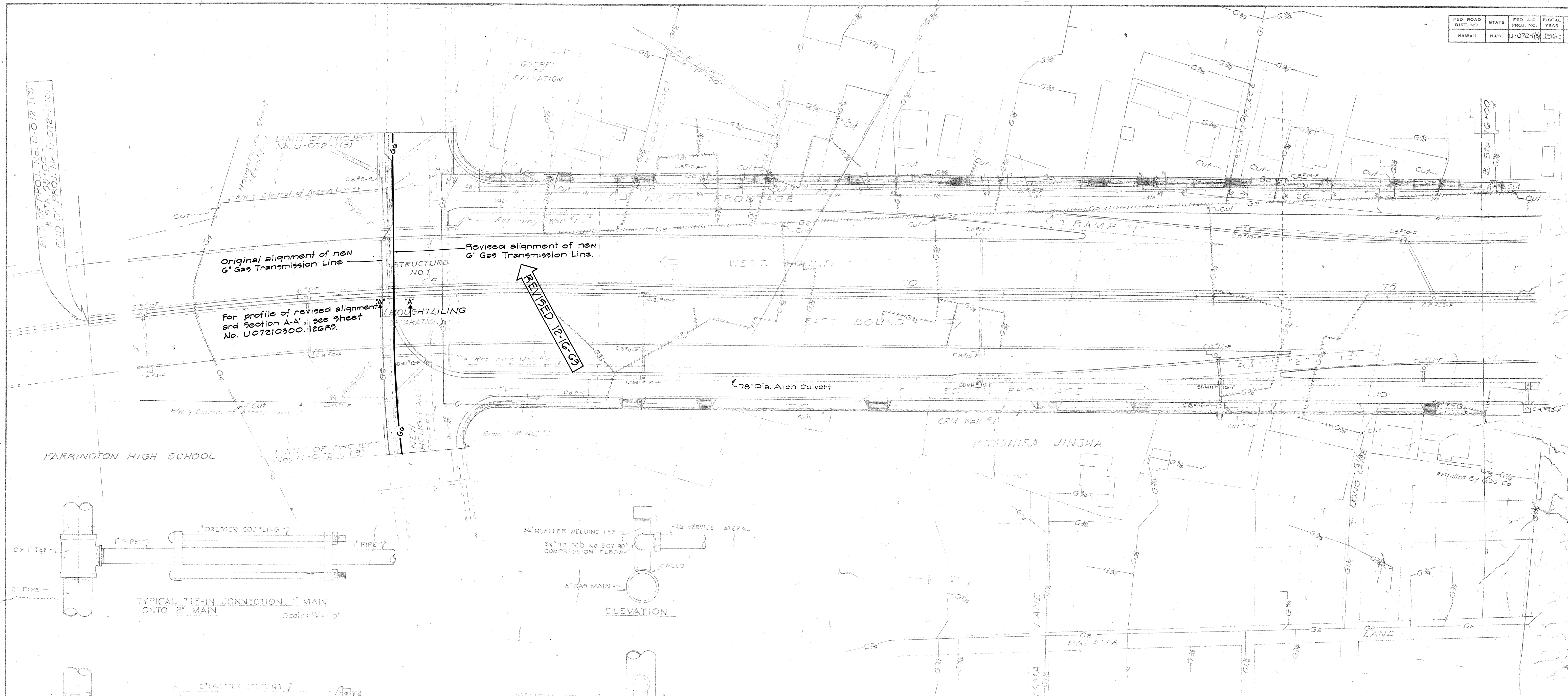
APPROVED:
Howard D. Hale 3-22-63
PLANNING ENGINEER HON. GAS CO. DATE
Paul C. Joy 3/14/63
OAHU DISTRIBUTING MGR. HON. GAS CO. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UTILITIES
RELOCATION OF GAS LINES
LUNALILO FREEWAY PROJ. No. U-072-1(3)
SCALE: AS NOTED DATE: 1963

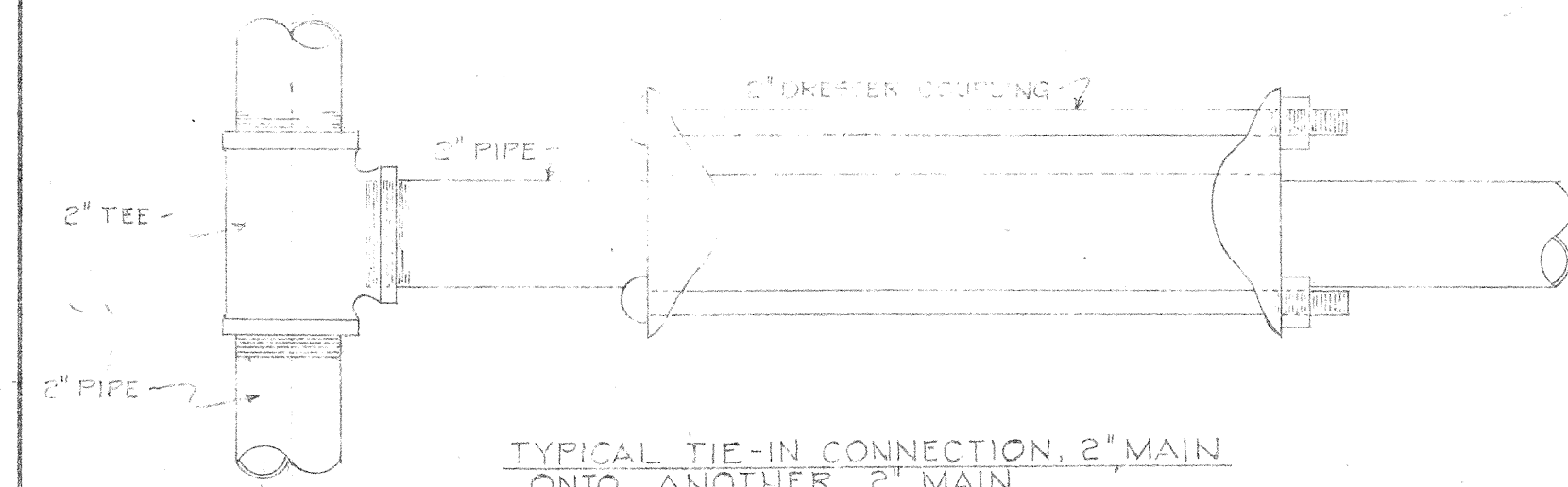
SHEET No. 1 OF 4 SHEETS

U07210300.126 154

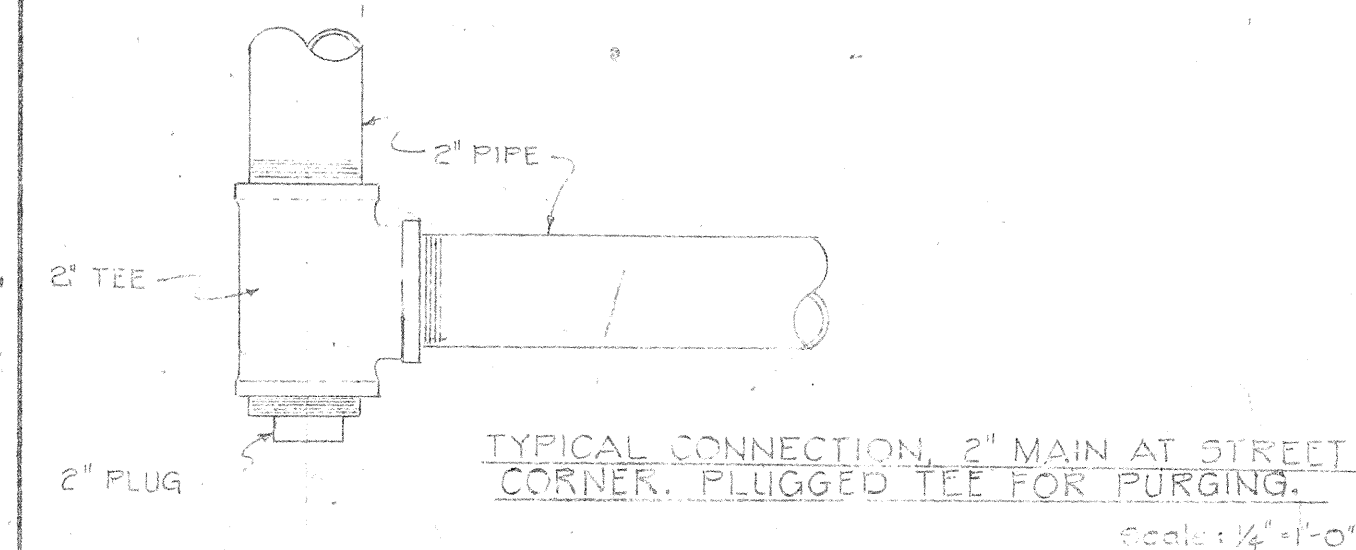
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-072-1(3)	1963	126	246



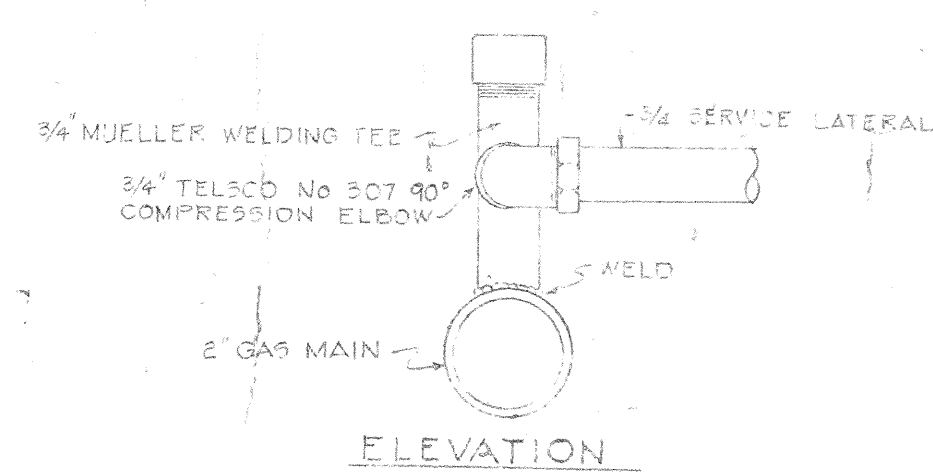
TYPICAL TIE-IN CONNECTION, 1" MAIN ONTO 2" MAIN
Scale: 1/4"=1'-0"



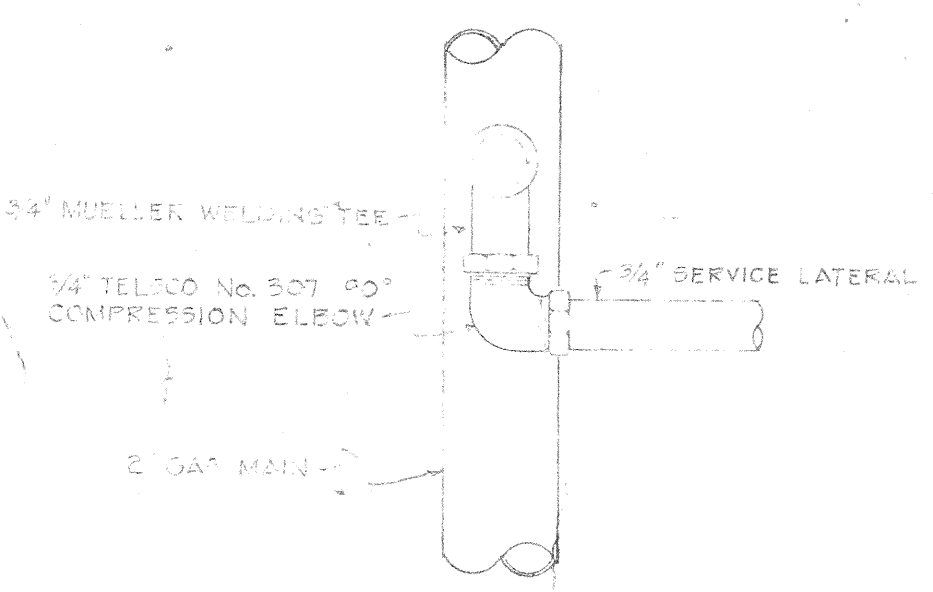
TYPICAL TIE-IN CONNECTION, 2" MAIN ONTO ANOTHER 2" MAIN
Scale: 1/4"=1'-0"



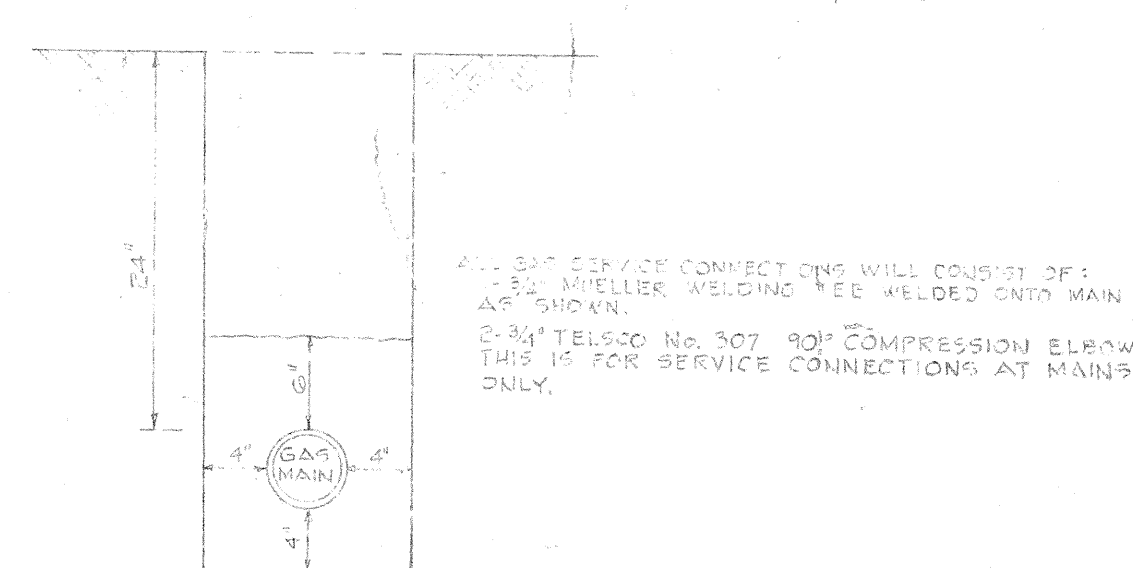
TYPICAL CONNECTION, 2" MAIN AT STREET CORNER, PLUGGED TEE FOR PURGING
Scale: 1/4"=1'-0"



ELEVATION



TYPICAL MAIN-SERVICE CONNECTION
Scale: 1/4"=1'-0"



TRENCH DETAIL
Scale: 1"=1'-0"

LEGEND

- G2 — New Honolulu Gas Co. Main and Service Lines (Sizes Indicated)
- G2 — Exist. Honolulu Gas Co. Main and Service Lines (Sizes Indicated)
- G2 — Exist. Honolulu Gas Co. Main and Service Lines to be abandoned or removed.
- G2 — Cut and Cap or Plug.

LEGEND FOR OTHER UTILITIES

- S6 — 6" Sewer Main (Size Indicated)
- S6 — Exist. 6" Main (Size Indicated)
- S — Sewer Service Lateral
- W6 — 6" Water Main (Size Indicated)
- W6 — Exist. 6" Water Main (Size Indicated)
- W — Water Service Lateral
- Fire Hydrant
- Electric Ducts
- Telephone Ducts

GENERAL NOTES

- The utility lines shown on these plans are located from the best sources available. The Contractor shall check and verify the exact location and depth of same.
- Cutting, plugging & reconnecting of live gas lines will be done by the Honolulu Gas Co., Ltd.
- Utility lines other than the Honolulu Gas Co. Lines are shown for the Contractor's convenience only. For layout of other utilities, see respective utility plans.

APPROVED
CR Woods 1-2-64
PLANNING ENGINEER HON. GAS CO. DATE
J.R. Blum 12-30-63
DISTRIBUTING MGR. HON. GAS CO. DATE

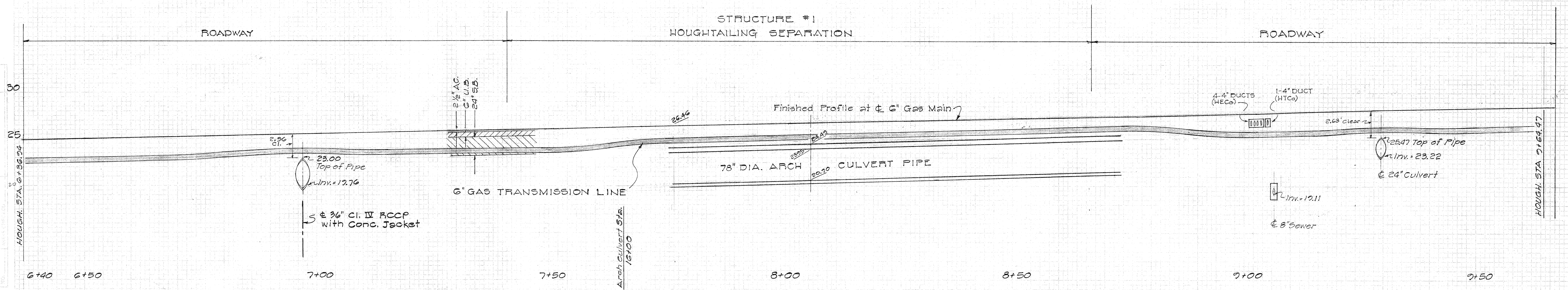
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UTILITIES
RELOCATION OF GAS LINES
LUNALILO FREEWAY PROJ. NO. U-072-1(3)
SCALE: AS NOTED DATE: DEC. 1963
SHEET No. 1 OF 4 SHEETS

DATE
DRAWN BY
CHECKED BY
DESIGNED BY
NOTE BOOK
No.

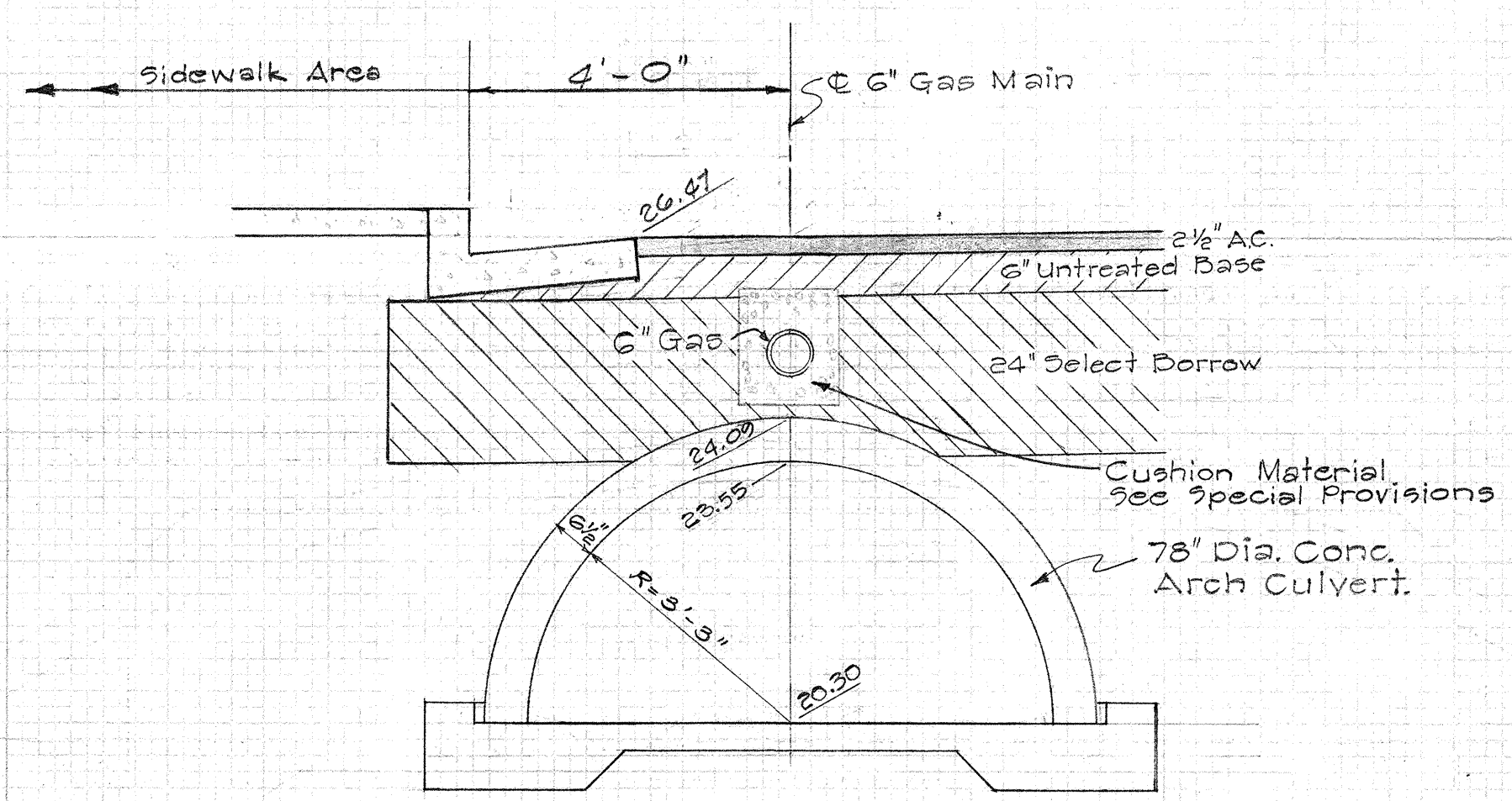
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	U-072-1(3)	1963	126RS	

DATE	BY	REVISION

DATE	BY	REVISION



PROFILE
 6" GAS MAIN ALONG HOUGHTAILING ST.
 SCALE: Horiz. 1" = 10'
 Vert. 1" = 5'



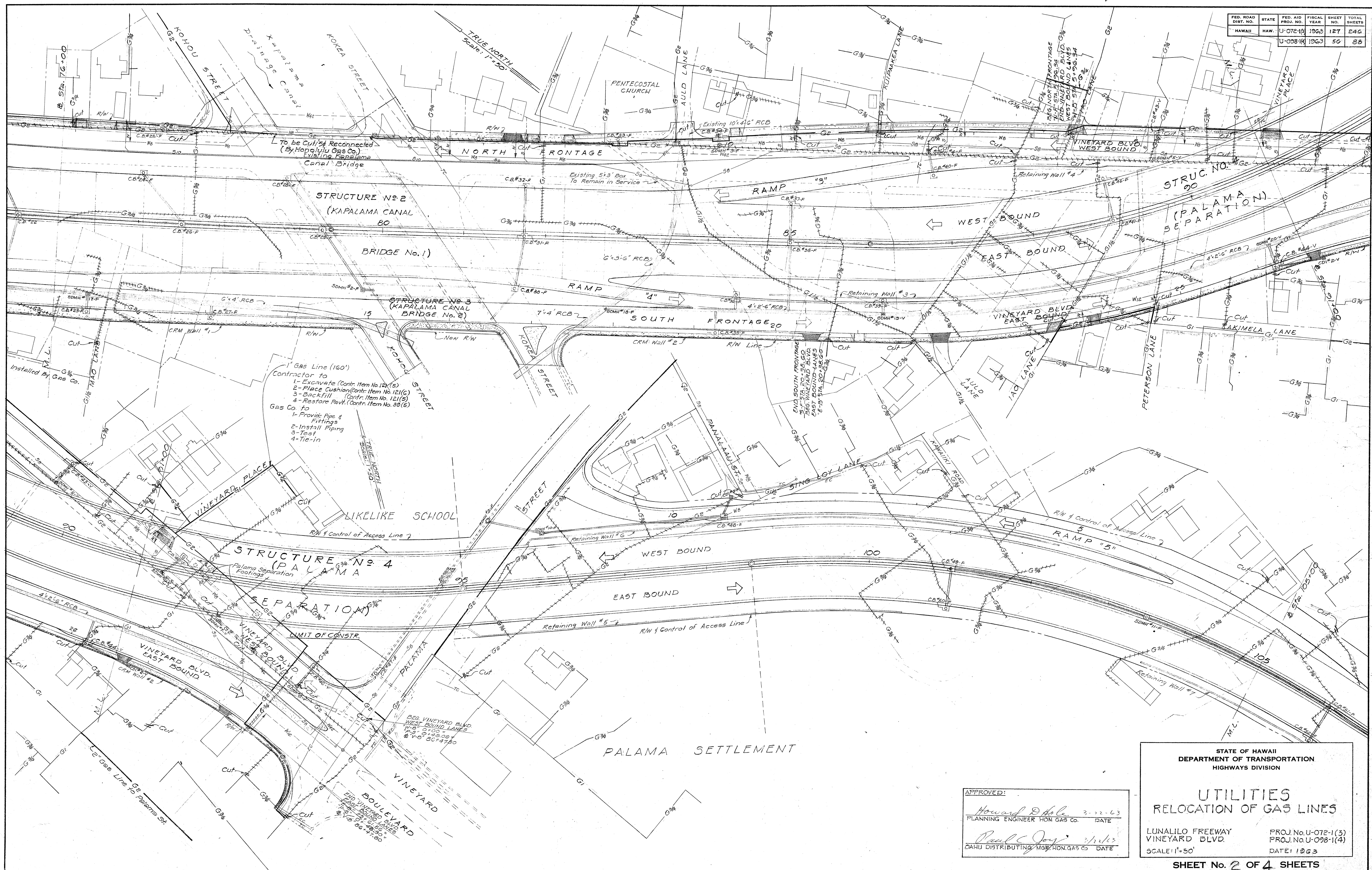
SECTION "A-A"
 SCALE: 1/2" = 1'-0"

APPROVED:
C. Woods 1-2-64
 PLANNING ENGR. HON. GAS Co. DATE
J. Schaeffer 12-30-63
 DIST. MGR. HON. GAS Co. DATE

DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 STATE OF HAWAII
UTILITIES
 6" GAS TRANSMISSION LINE AT
 HOUGHTAILING STREET
 (Revised Alignment)
 LUNALILO FREEWAY PROJ. No. U-072-1(3)
 SCALE: AS SHOWN DATE: DEC. 1963

U 0 7 2 1 0 3 0 0 . 1 2 6 R S

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-072-1(3)	1963	127	246
		U-098-1(4)	1963	50	88



DATE	3-22-63
DESIGNED BY	HOWARD D. LEE
CHECKED BY	PAUL C. JOY
NOTED BY	
QUANTITIES BY	
ORIGINAL PLAN	

APPROVED:
Howard D. Lee 3-22-63
 PLANNING ENGINEER HON. GAS CO. DATE
Paul C. Joy 3/21/63
 OAHU DISTRIBUTING MGR. HON. GAS CO. DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

**UTILITIES
 RELOCATION OF GAS LINES**

LUNALILO FREEWAY
 VINEYARD BLVD.
 SCALE: 1"=50'

PROJ. No. U-072-1(3)
 PROJ. No. U-098-1(4)
 DATE: 1963

SHEET No. 2 OF 4 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	4
	TRACED BY _____	4
	DESIGNED BY _____	4
No. _____	QUANTITIES BY _____	4
	CHECKED BY _____	4

APPROVED

Howard D. Hole 3-22-63
PLANNING ENGINEER HON. GAS Co. DATE

Paul C. Jory 3/12/63
OAHU DISTRIBUTING MGR. HON. GAS Co. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITIES

RELOCATION OF GAS LINES

LUNALILO FREEWAY
LILIHA STREET

SCALE: 1"=50'

PROJ. No. U-072-1(3)
PROJ. No. F-090-1(2)

DATE: 1963

SHEET No. 3 OF 4 SHEETS