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SURVEY PLOTTED BY	DKAWN BITRACED BY	QUANTITIES BY CHECKED BY
ORIGINAL DI AN	NOTE BOOK	No.

FED. ROAD	STATE	FEDERAL AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	HSIP-RR-0901(017)	2023	25	117

CONDUIT	CABLE
2"	See Sheet E-4 for Fiber Optic Interconnect 1 3-Cell Fabric Duct
2" (Spare)	1 3-Cell Fabric Duct (For Future Use)
4-2" (Spare)	For Future Use
2-2″	Lighting
3-3″	Railroad Gate
	2" 2" (Spare) 4-2" (Spare) 2-2"

## NOTES:

- 1. Existing pullboxes are not shown in exact location.
- 2. For Trench Details, see Sht. TS-8.
- 3. Concrete encased ducts shall be 5-Wide x 2-High, according to Standard Plan TE-36.
- 4. The Contractor shall notify the City & County of Honolulu, Department of Transportation Services, Traffic Signals and Technology Division, (808) 768-8387, at least three (3) working days prior to commencing work on the traffic signal system.
- 5. The Contractor shall tone and locate existing HECo 15KV ductline prior to excavating in and adjacent to the HECo 18.5' Easement.

GRAPHIC SCALE

20' 10' 0 20' 40' 1‴=20′

Approved:

Chief, Traffic Review Branch, DPP

Date

Date

Date

Approved:

Chief, Traffic Signals & Technology Division, DTS

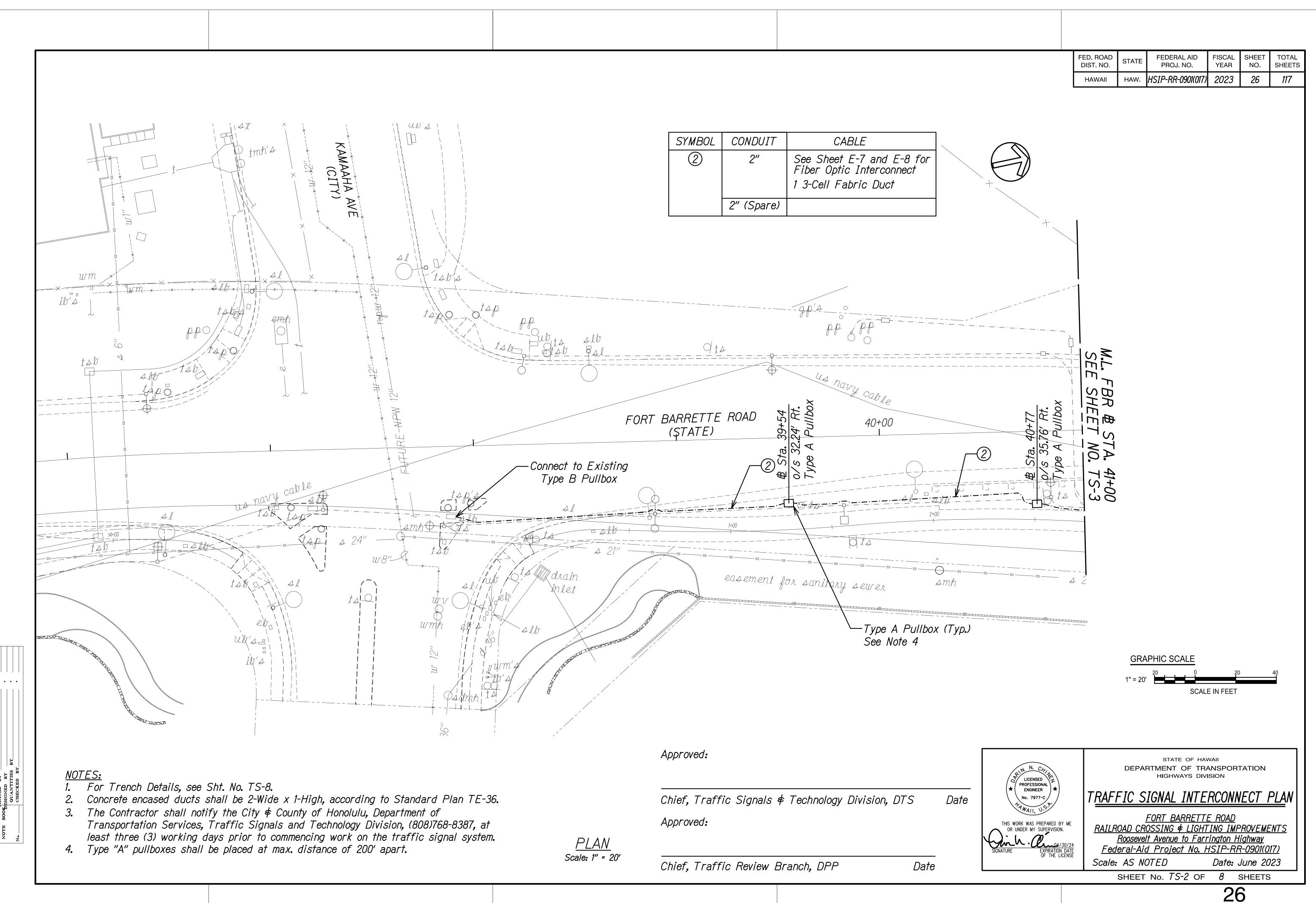
Approved:

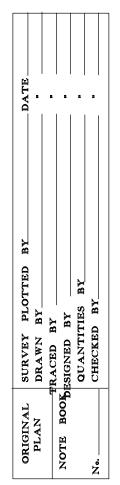
Manager and Chief Engineer, BWS (For Work Affecting BWS Facilities in City/State Right-of-Way and BWS Easement only)

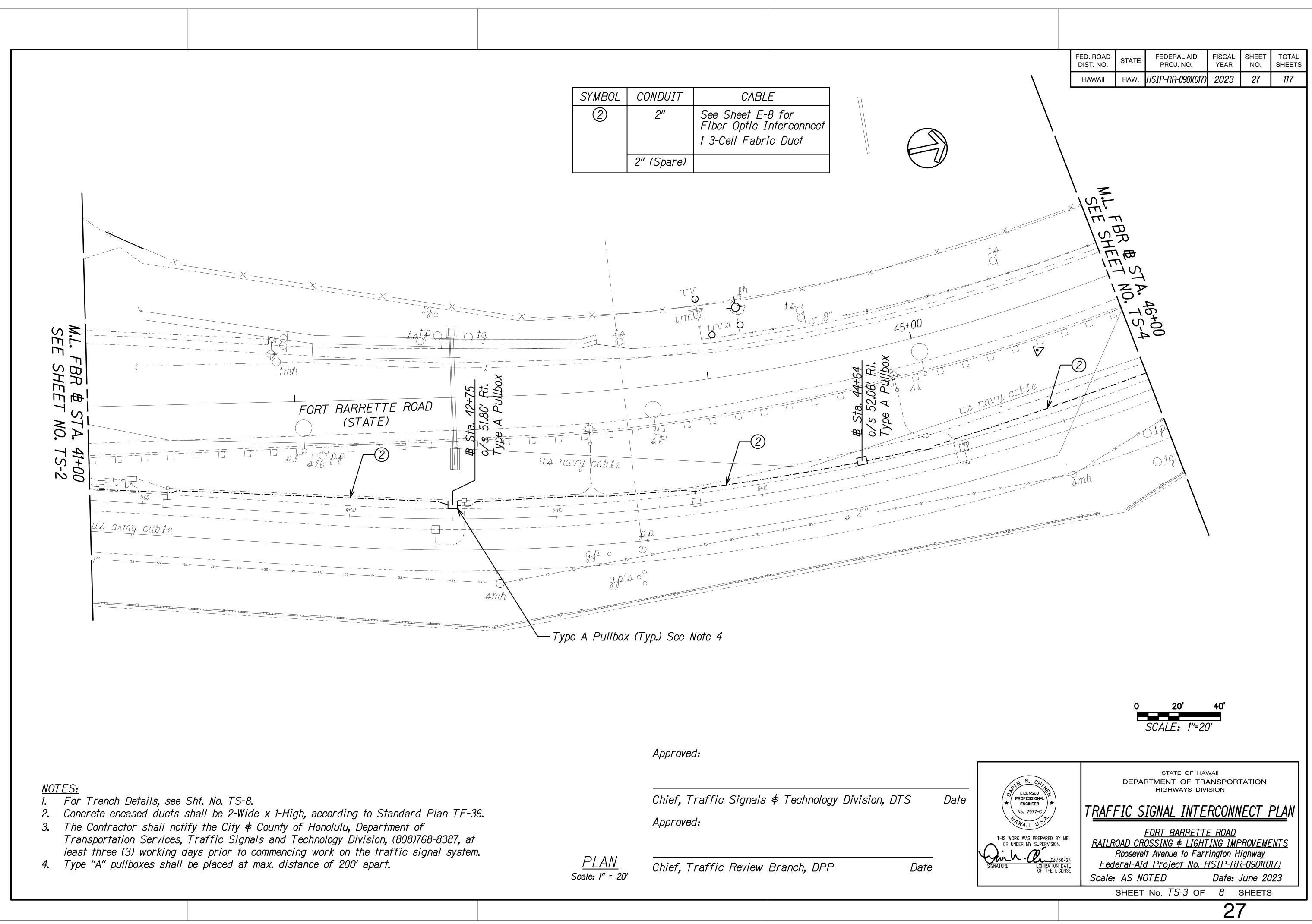
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. SIGNATURE No. 7977-C HAII, U.S.F. MAII, U.S.F. MAII, U.S.F. CAUSE SIGNATURE MAII, U.S.F. MAII, U.S.F. CAUSE SIGNATURE CAUSE	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <u>TRAFFIC SIGNAL</u> <u>INTERCONNECT PLAN &amp; PROFILE</u> <u>FORT BARRETTE ROAD</u> <u>RAILROAD CROSSING &amp; LIGHTING IMPROVEMENTS</u> <u>Roosevelt Avenue to Farrington Highway</u> <u>Federal-Aid Project No. HSIP-RR-0901(017)</u> Scale: As Shown Date: June 2023
	SHEET No. TS-1 OF 8 SHEETS
	25

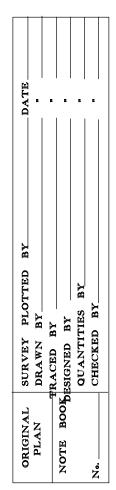
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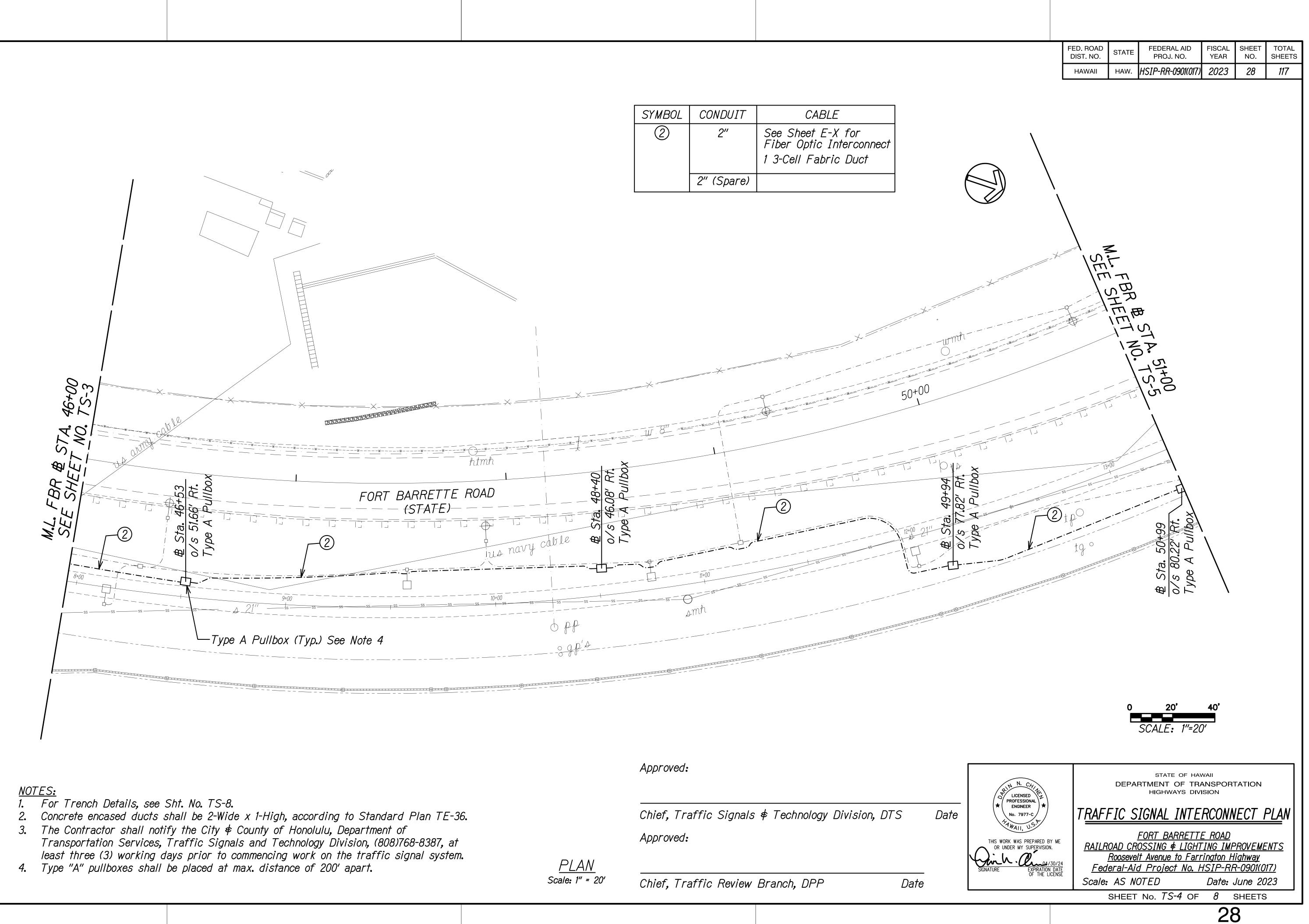


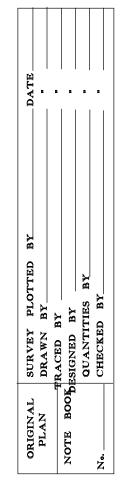




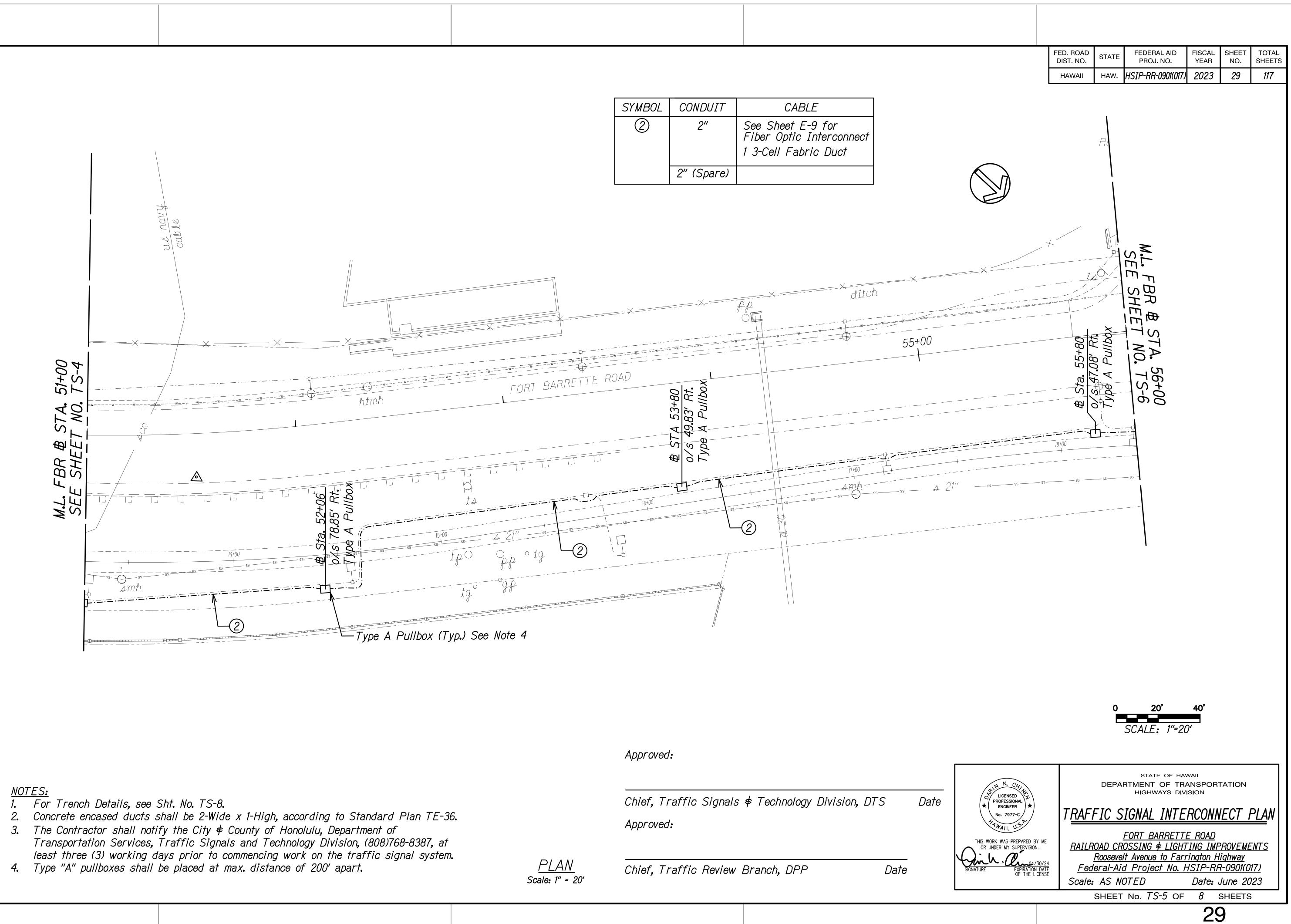


SYMBOL	CONDUIT	CABLE
2	2"	See Sheet E-8 for Fiber Optic Interconnect 1 3-Cell Fabric Duct
	2" (Spare)	





SYMBOL	CONDUIT	CABLE
2	2"	See Sheet E-X for Fiber Optic Interconn 1 3-Cell Fabric Duct
	2" (Spare)	

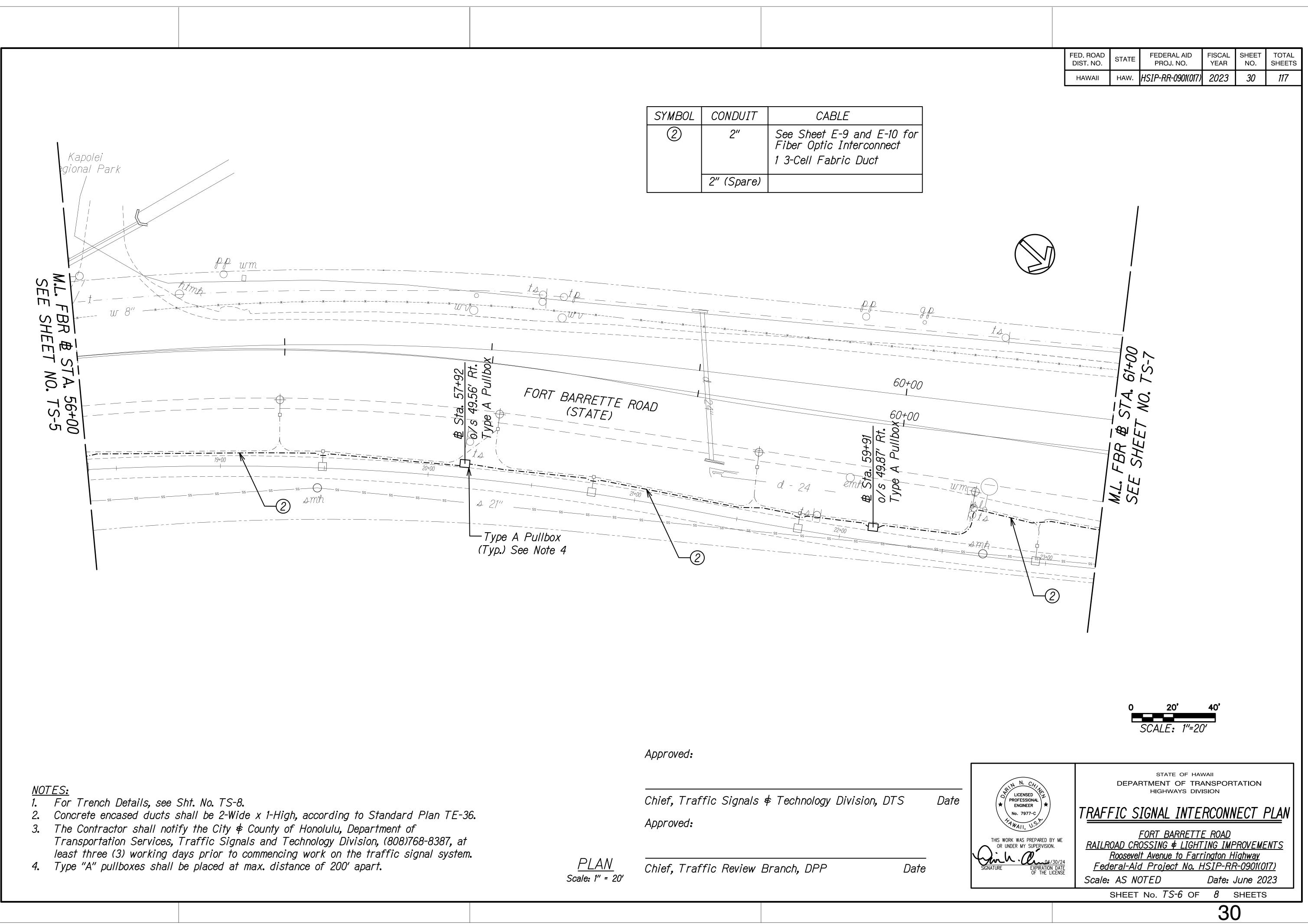


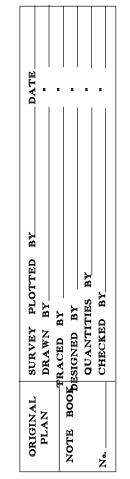
## BY ORIGINAL SURVEY PLOT PLAN DRAWN BY TRACED BY NOTE BOOFDESIGNED BY QUANTITIES B No. CHECKED BY

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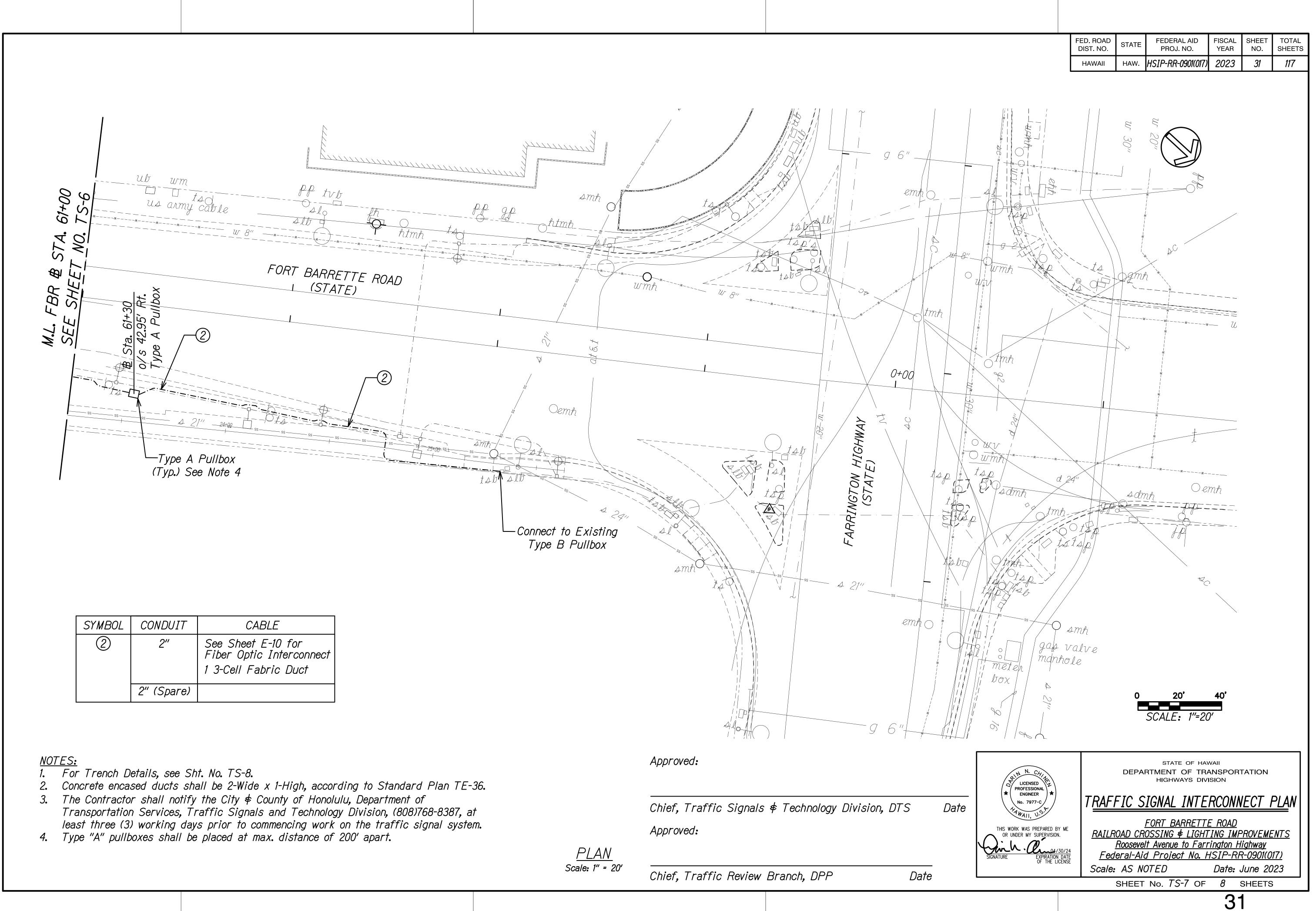
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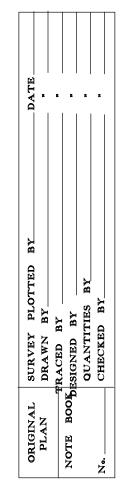
SYMBOL	CONDUIT	CABLE
2	2"	See Sheet E-9 for Fiber Optic Interconnec 1 3-Cell Fabric Duct
	2" (Spare)	





SYMBOL	CONDUIT	CABLE
2	2″	See Sheet E-9 and L Fiber Optic Intercon 1 3-Cell Fabric Duct
	2" (Spare)	





<u>GENERAL NOTES</u> 1. The Metal Detectable Red Plastic Warning Tape shall be a minimum 5 mils thick and 4" wide with a continuous metallic backing and corrosion resistant 1± mil thick foil core. The message on the tape shall read, "CAUTION - STATE TRAFFIC SIGNAL AND/OR HWY. LIGHTING BURIED BELOW," utilizing 1-1/2 inches series "C" black lettering. The message will be repeated with a 4-1/4" spacing between top line of message and start of next repeat. 2. The Contractor may begin backfilling the conduit trench when the concrete reaches 3000 psi compressive strength after 3 days. 3. After installing all the traffic signal cables, the Contractor shall duct seal all conduits in the pullboxes, traffic signal standards and traffic signal controller cabinet concrete base. The duct seal material shall be approved by the Engineer and shall not be paid for separately but considered incidental to the direct buried and/or concrete encased conduits. For Sidewalk and Driveway Areas For Graded Areas  $\leftarrow$  $\rightarrow$ └──Varies (1' Min) 1' from trench width connection at all joints Trench Existing Grade— -Saw Cut width \_\_\_\_\_**/** 12 --sidewalk or <u>3 feet</u> minimum -Bed Course Material -Metal Detectable Red Plastic Warning Tape, See Note No. 1. 12" below finish grade. 3" (Тур.) --Trench Backfill Material A Conc. Jacket -Concrete Jacket, 3000 psi Prior to installing  $\triangleright$ Conduits, level ∉ compact bottom of 2" PVC Sch. 40 (Typ.) 18″ trench to 95% Provide 3" minimum clear compaction. spacing between conduits. RESTORATION OF NON-ROADWAY AREAS DUE TO TRENCH EXCAVATION Not to Scale

DATE	 • • •	•
SURVEY PLOTTED BY DRAWN BY	TRACED BY	CHECKED BY
ORIGINAL PLAN	NOTE BOOK	Ne.

	FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET	TOTAL SHEETS	
	DIST. NO.	STATE	PROJ. NO.	YEAR	NO.	SHEETS	
	HAWAII	HAW.	HSIP-RR-0901(017)	2023	32	117	

to nearest joint at least -Provide smooth *Match existing* driveway pavement

compressive Strength in 28 days

/	4 <sup>1</sup> / <sub>4</sub> "	
, _	CAUTION-STATE TRAFFIC SIGNAL AND/OR CAUTION-STATE TRAFFIC SIGNAL AND/OR HWY LIGHTING BURIED BELOW HWY LIGHTING BURI	
	1-1/2" Series "C" Black Letters Dastic Warning Tape	Fo see
	Metal detectable red pl	<u>A</u> .
	WARNING TAPE	
	Not to Scale	

GNAL AND/OR BELOW

or additional information, ee Note No. 1.

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Approved:

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Chief, Traffic Review Branch, DPP

Date

Chief, Traffic Signals & Technology Division, DTS

Date

