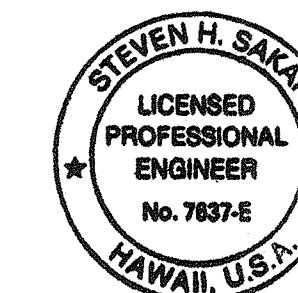
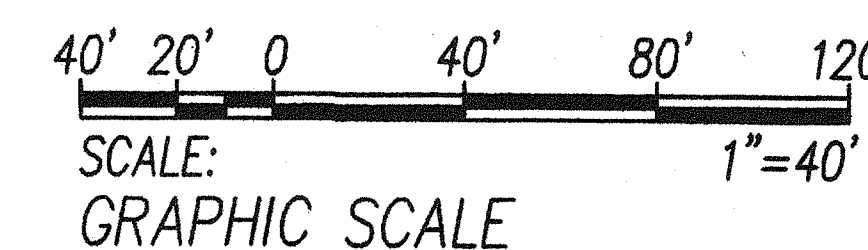
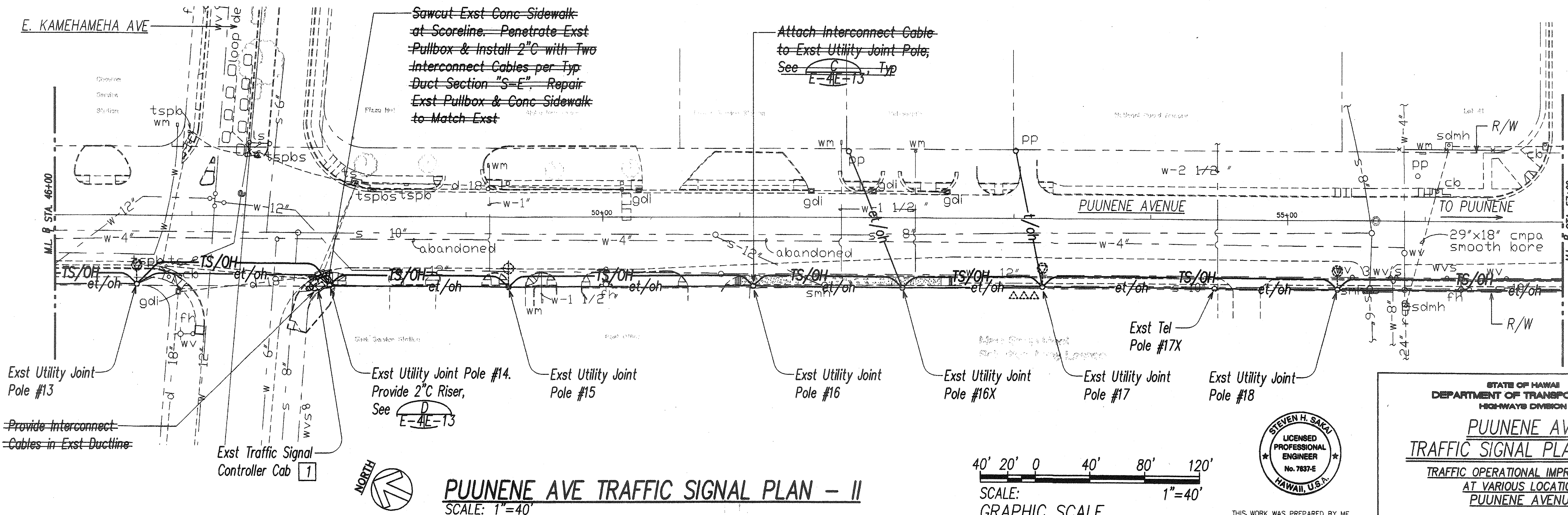
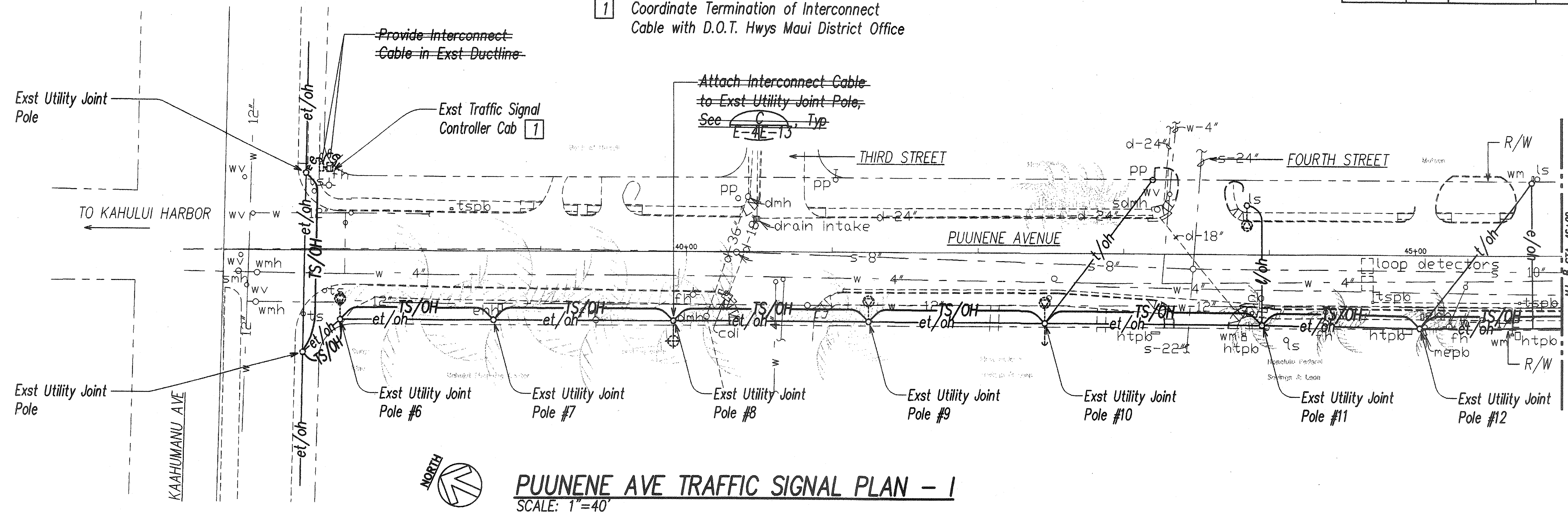


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-04-00	2002	13	63

Notes:

- Coordinate Termination of Interconnect Cable with D.O.T. Hwys Maui District Office



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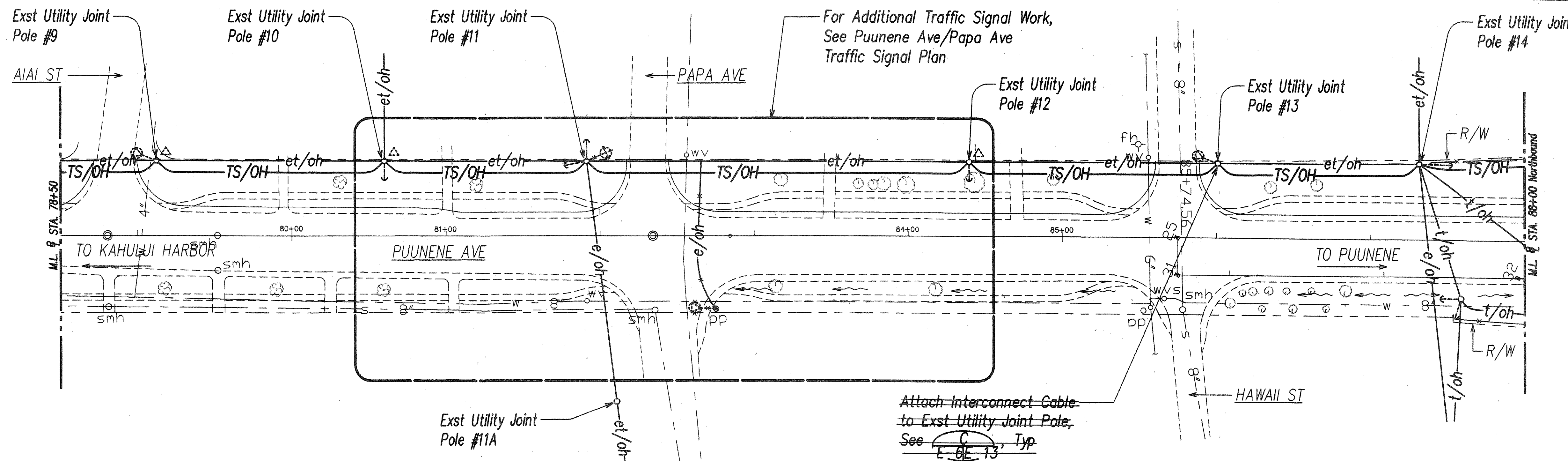
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PUUNENE AVE
TRAFFIC SIGNAL PLAN - I, II
TRAFFIC OPERATIONAL IMPROVEMENTS
AT VARIOUS LOCATIONS
PUUNENE AVENUE

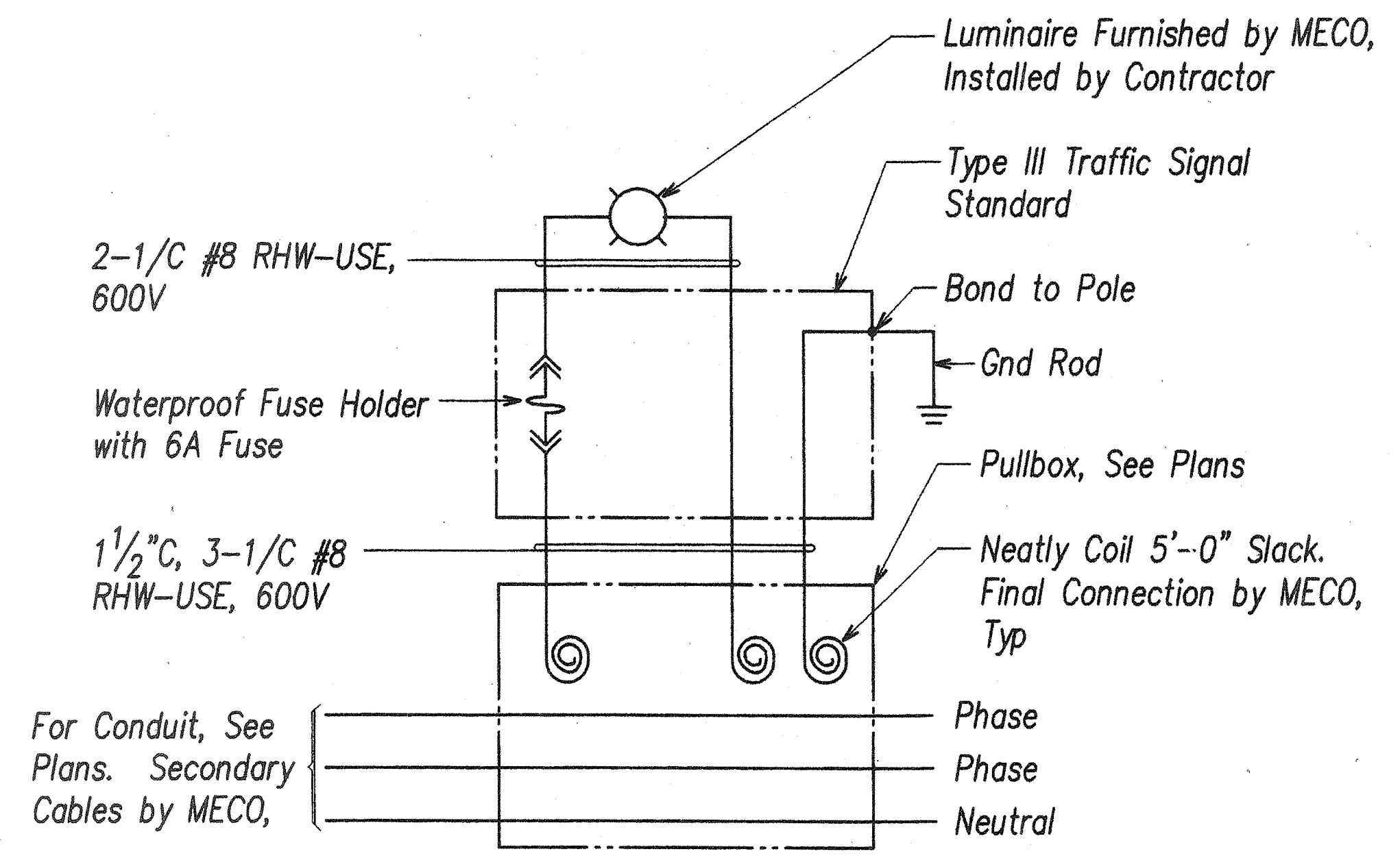
Scale: AS NOTED Date: April 2002
SHEET No. E-4 OF 22 SHEETS

"AS BUILT"

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HAWAII	HAW.	HWY-M-04-00	2002	15	63

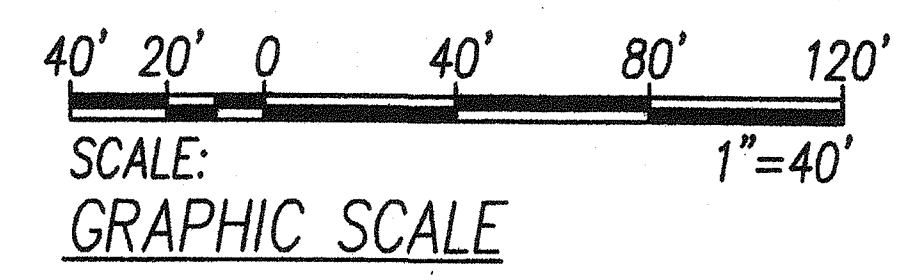


PUUNENE AVE TRAFFIC SIGNAL PLAN - V
 SCALE: 1"=40'



Note:
 Wiring, Fuse and Holder Indicated shall not be Paid for Separately, but will be Considered Incidental to the Various Highway Lighting Contact Items.

TYPICAL HIGHWAY LIGHT CONNECTION DIAGRAM



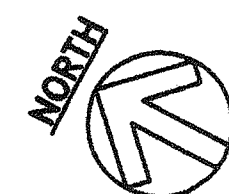
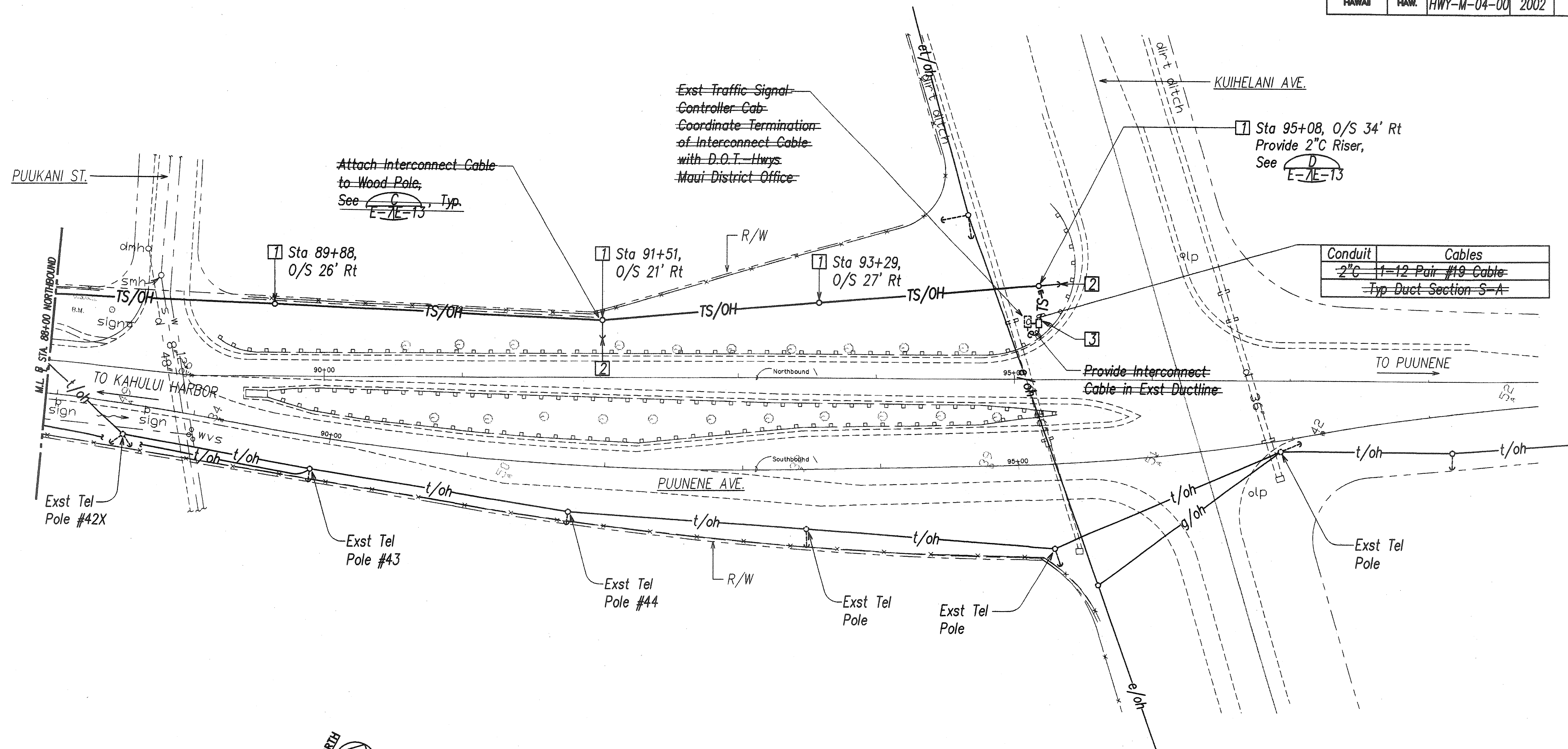
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Steven H. Saku

6/12/02	REVISED DIAGRAM
DATE	DESCRIPTION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PUUNENE AVE TRAFFIC SIGNAL PLAN - V TRAFFIC OPERATIONAL IMPROVEMENTS AT VARIOUS LOCATIONS PUUNENE AVENUE	
Scale: AS NOTED	Date: April 2002
SHEET No. E-6 OF 22 SHEETS	

"AS BUILT"

ADD. 15

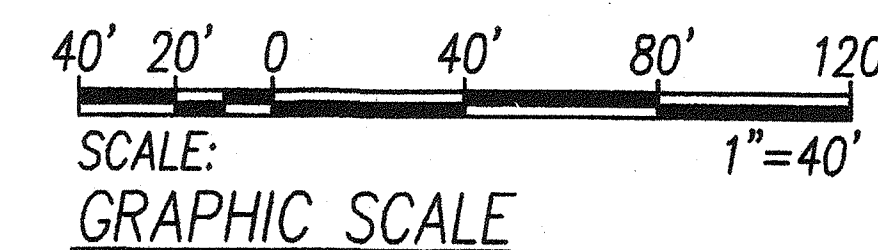
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HAWAII	HAW.	HWY-M-04-00	2002	16	63



PUUNENE AVE TRAFFIC SIGNAL PLAN - VI
SCALE: 1"=40'

Notes:

- 1 Provide 35' Class III Pole, See $\frac{B}{E-7E-20}$
- 2 Provide Guy Wire & Conc Anchor, See $\frac{A}{E-7E-21}$
- 3 Penetrate Exst Pullbox for Conduit Entry. Repair to Match Exst.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PUUNENE AVE
TRAFFIC SIGNAL PLAN - VI

TRAFFIC OPERATIONAL IMPROVEMENTS
AT VARIOUS LOCATIONS
PUUNENE AVENUE

Scale: AS NOTED Date: April 2002

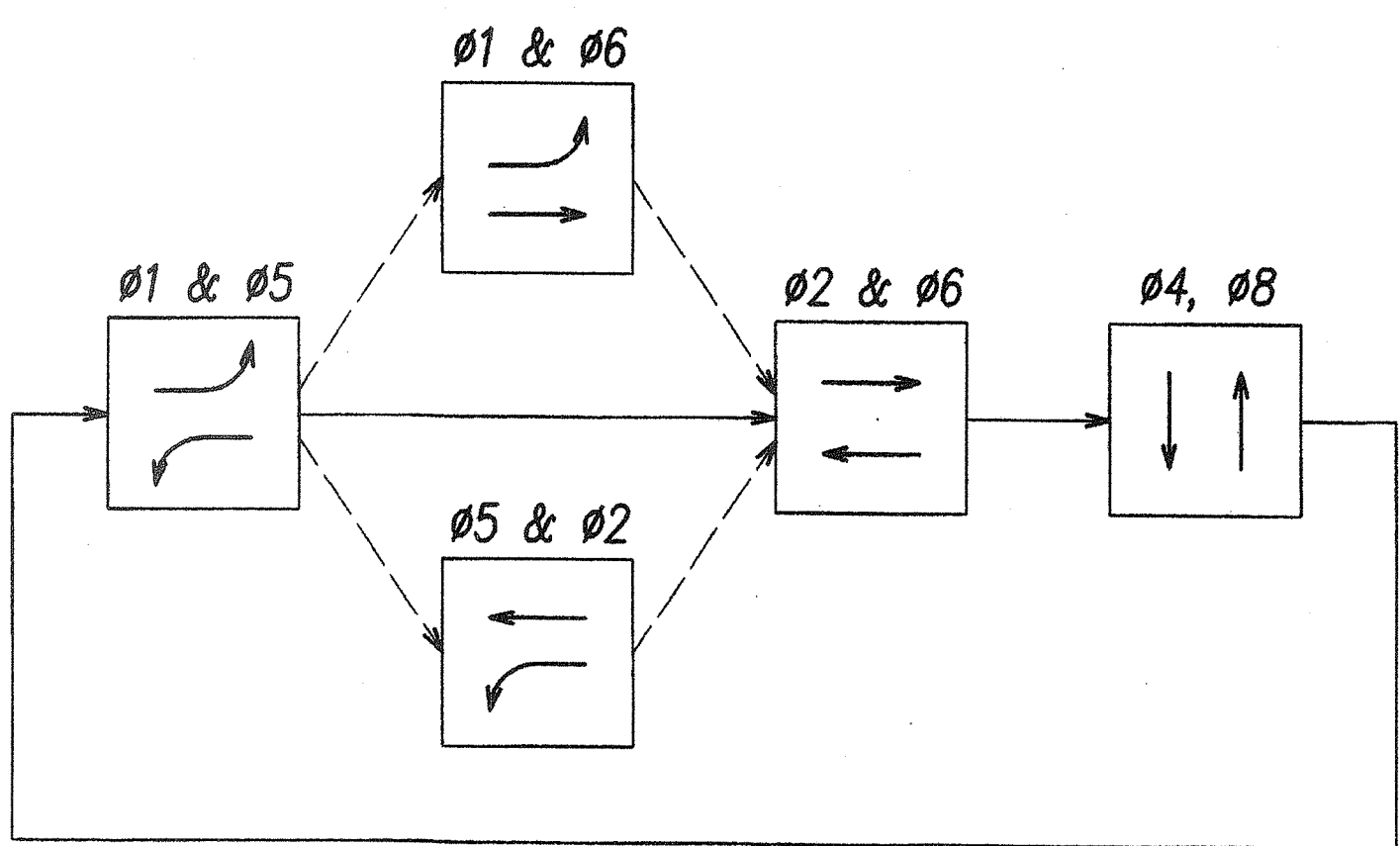
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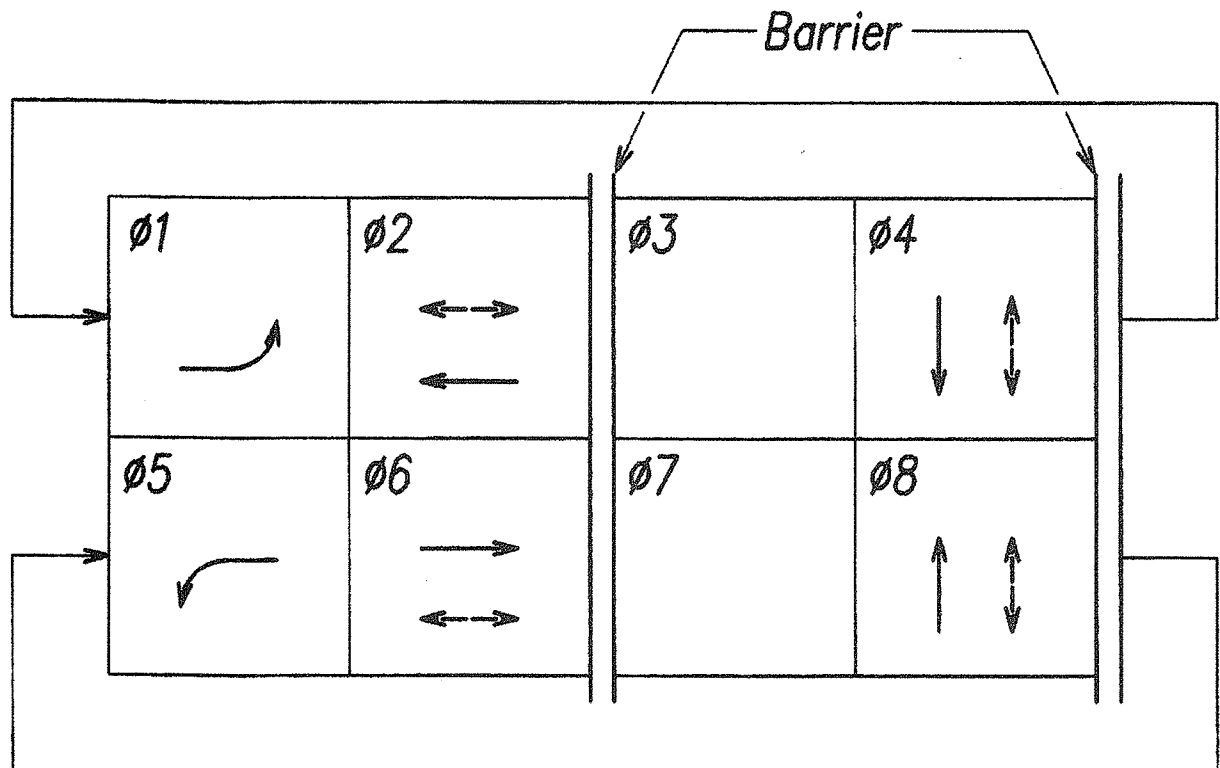
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-04-00	2002	17	63

- Notes:
- 1 Sawcut Exst A.C. Pavement Prior To Trenching & Repaving. Repair To Match Exst, See Sht E-11
 - 2 3" C Elec Service Riser, 2" C Tel Service Riser & 2" C Interconnect Cable Riser See B D
E-8E-13 E-8E-13

Signal Head (L.E.D. Signal Assembly)			
Symbol	↑	↑	—□
Designation	A-1 E-1 A-3 E-2 A-6 E-6 C-2 F-2 C-3 F-3 C-6 F-6	A-2 C-1 E-3 F-1	A-4 E-5 A-5 F-4 C-4 F-5 C-5 E-4



PHASE SEQUENCE



PHASE ASSIGNMENT DIAGRAM

Conduit	Cable
4-2" C	4-26/C#14, #8 Gnd
2" C	2-12 Pair #19 Cables
2" C	Pullwire
3-2" C	14-2/C #14
2" C	4-Opticom Cables
Typ Duct Section S-B	

Conduit	Cable
2" C	1-2/C#14
Typ Duct Section S-E	

Conduit	Cable
2" C	Pullwire; Cables by MECo
Typ Duct Section S-A	

Conduit	Cable
2" C	Pullwire, Cables by HTC
2" C	2-12 Pair #19 Cables
Typ Duct Section S-A	

Conduit	Cable
2-2" C	2-26/C #14, #8 Gnd
2-2" C	7-2/C#14
2" C	2-Opticom Cable
2" C	Pullwire
2" C	Pullwire, Cables by MECo
Typ Duct Section S-B	

Conduit	Cable
2-2" C	2-26/C #14, #8 Gnd
2" C	2-2/C#14
2" C	1-Opticom Cable
2" C	Pullwire
2" C	Pullwire, Cables by MECo
Typ Duct Section S-B	

Conduit	Cable
2-2" C	2-26/C #14, #8 Gnd
2-2" C	6-2/C#14
2" C	1-Opticom Cable
2" C	Pullwire 80+00
Typ Duct Section S-B	

Conduit	Cable
2" C	4-2/C#14
Typ Duct Section S-E	

Conduit	Cable
2" C	1-2/C#14
Typ Duct Section S-E	

1 Ea, 1-6' X 6' Loop Detector Centered in Lane

1 Ea, 6-6' X 6' Loop Detectors Centered in Lane

1 Ea, 2-6' X 6' Loop Detectors Centered in Lane

1 Ea, 2-6' X 6' Loop Detectors Centered in Lane

1 Ea, 6-6' X 6' Loop Detectors Centered in Lane

1 Ea, 1-6' X 6' Loop Detector Centered in Lane

Conduit	Cable
2" C	1-2/C#14
Typ Duct Section S-E	

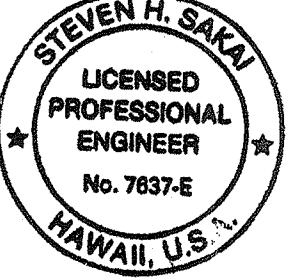
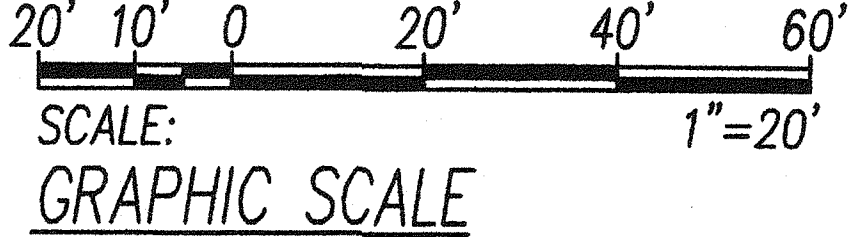
Conduit	Cable
2" C	4-2/C#14
Typ Duct Section S-E	

Conduit	Cable
2-2" C	2-26/C#14, #8 Gnd
2" C	1-2/C#14
2" C	Pullwire
Typ Duct Section S-B	

Conduit	Cable
2" C	1-2/C#14
Typ Duct Section S-E	

General Note: For Signage Requirements, see Civil Plans

PUUNENE AVE/PAPA AVE TRAFFIC SIGNAL PLAN
SCALE: 1"=20'



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Steven H. Sakai

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PUUNENE AVE/PAPA AVE
TRAFFIC SIGNAL PLAN
TRAFFIC OPERATIONAL IMPROVEMENTS
AT VARIOUS LOCATIONS
PUUNENE AVENUE
AT PAPA AVENUE

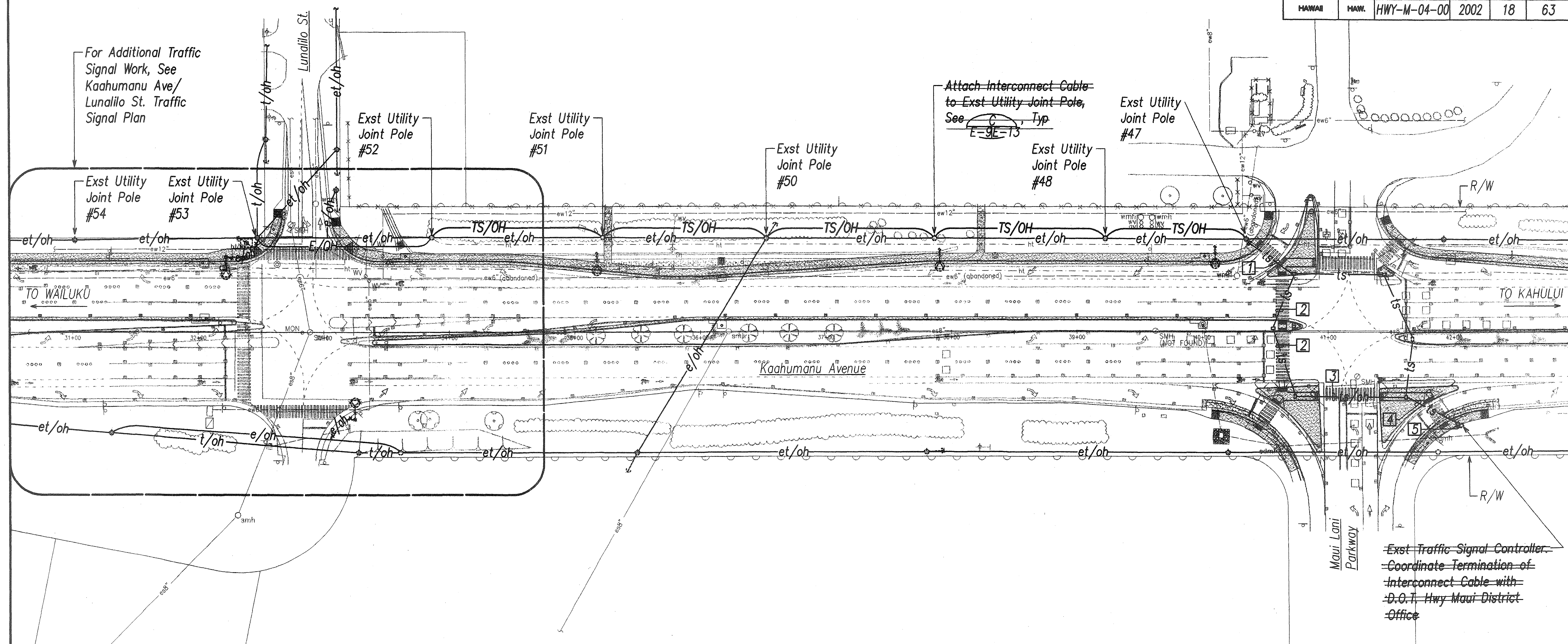
Scale: AS NOTED
Date: April 2002
SHEET No. E-8 OF 22 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NO. BOOK	
NO.	

LAST SAVE: 05/20/02 @ 13:52:07 BY: BN PLOT SC 1-20'
Z:\VACU\PROJECTS\2014\20141115\SignalPlan_Puunene_Papa.dwg

"AS BUILT"

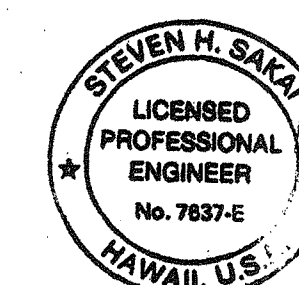
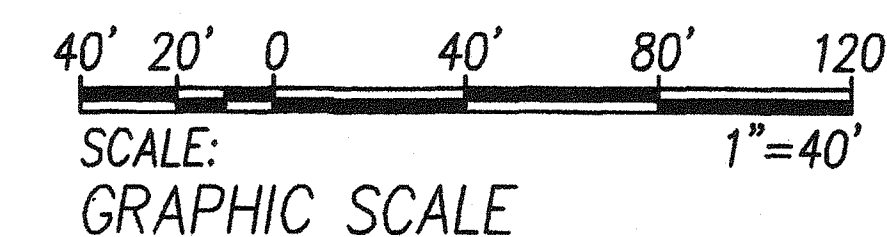
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-04-00	2002	18	63



KAAHUMANU AVENUE TRAFFIC SIGNAL PLAN SCALE: 1"=40'

Notes:

- 1 Exst 2"C; Provide 1-12 Pair #19 Interconnect Cable.
- 2 Exst 5-2"C; Provide 1-12 Pair #19 Interconnect Cable in Exst Spare 2"C.
- 3 Exst 6-2"C; Provide 1-12 Pair #19 Interconnect Cable in Exst Spare 2"C.
- 4 Exst 9-2"C; Provide 1-12 Pair #19 Interconnect Cable in Exst Spare 2"C.
- 5 Exst 11-2"C; Provide 1-12 Pair #19 Interconnect Cable in Exst Spare 2"C.



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Steven H. Sakai

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**KAAHUMANU AVENUE
TRAFFIC SIGNAL PLAN**

TRAFFIC OPERATIONAL IMPROVEMENTS
AT VARIOUS LOCATIONS
KAAHUMANU AVENUE

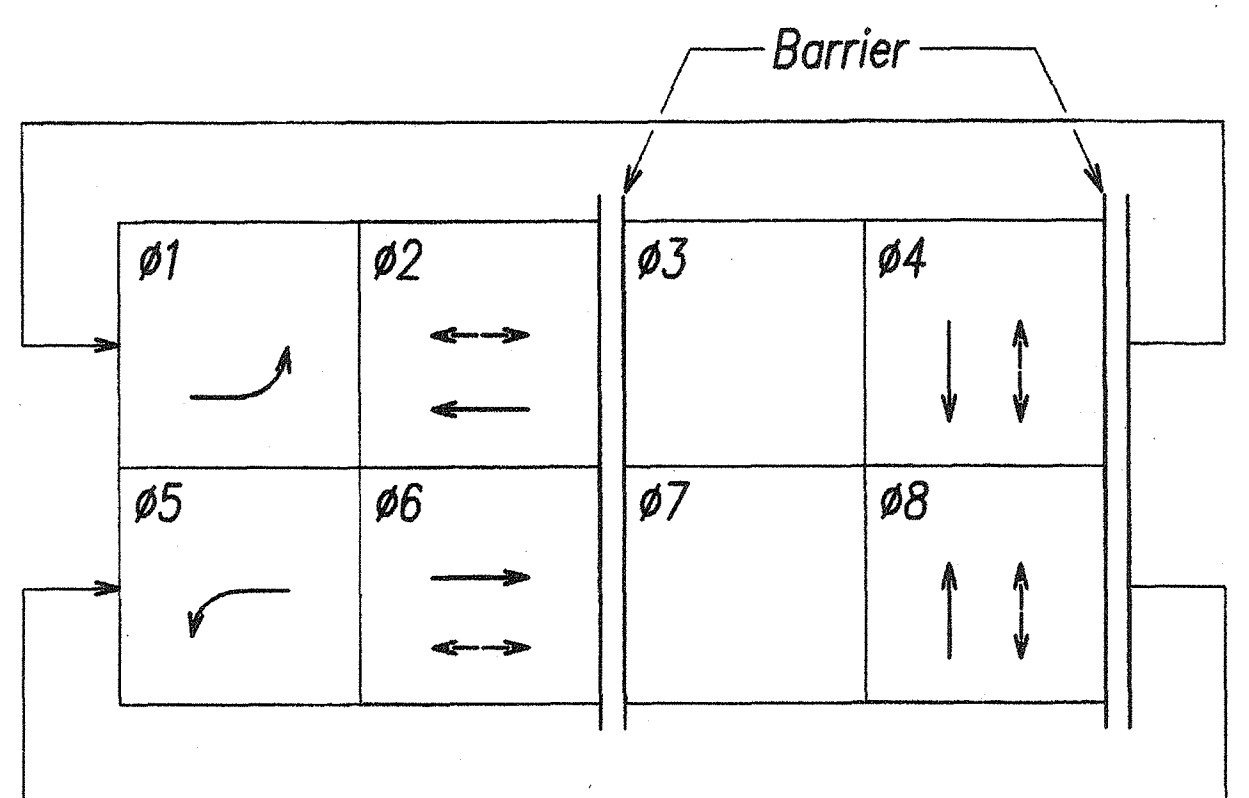
Scale: AS NOTED Date: April 2002

SHEET No. E-9 OF 22 SHEETS

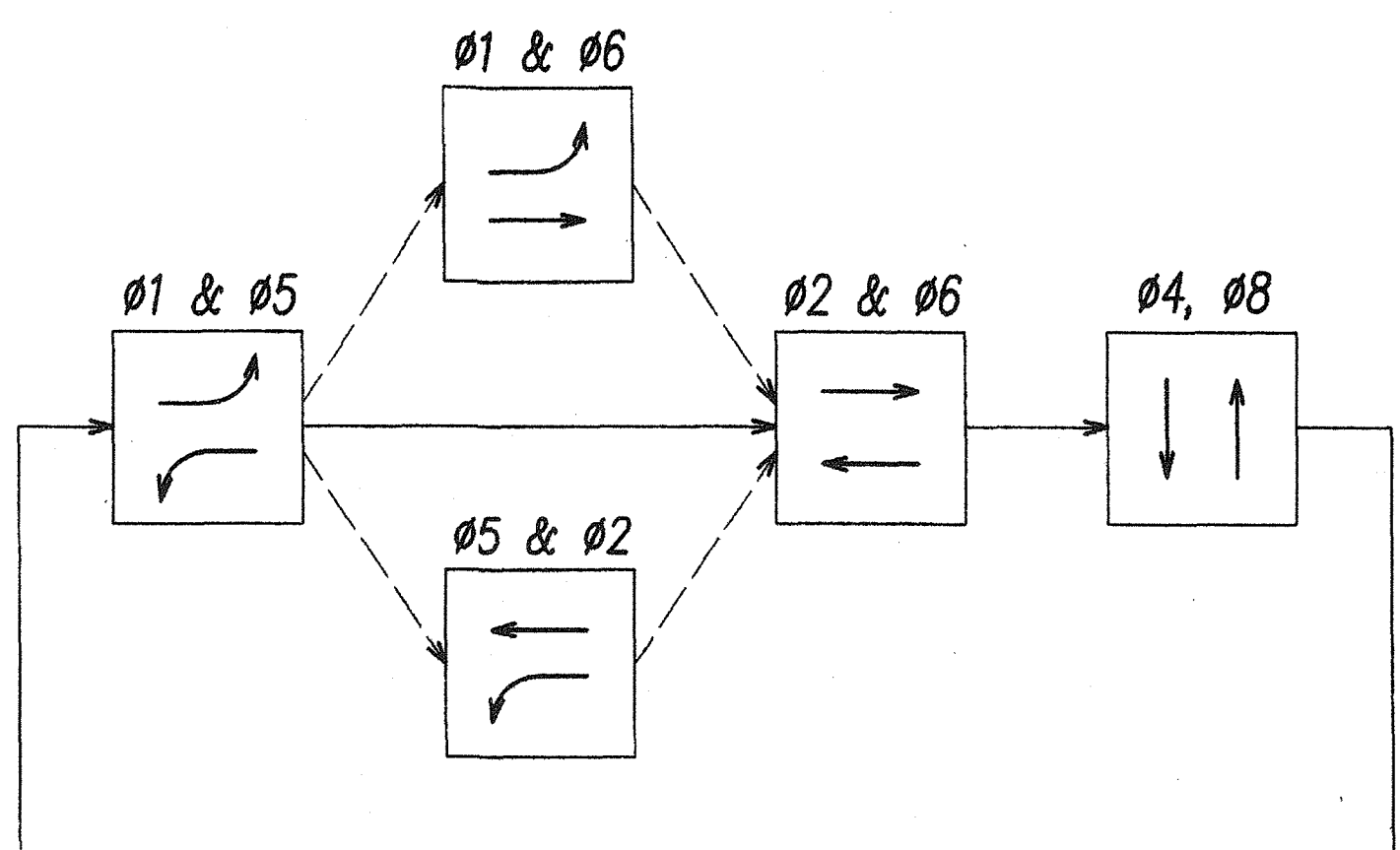
"AS BUILT"

Signal Head (L.E.D. Signal Assembly Except for Programmed Visibility Signal Head)				
Symbol	↑	↑ OR ↑	↑ OR ↑	—
Designation	A-1 F-2 B-2 F-3 B-3 F-4 B-4 H-1 C-1 D-2	A-2 *A1-1 D-3 *E-1	B-1 F-1	A-3 G-1 C-2 G-2 D-1 D-4

* Denotes Programmed Visibility Signal Head

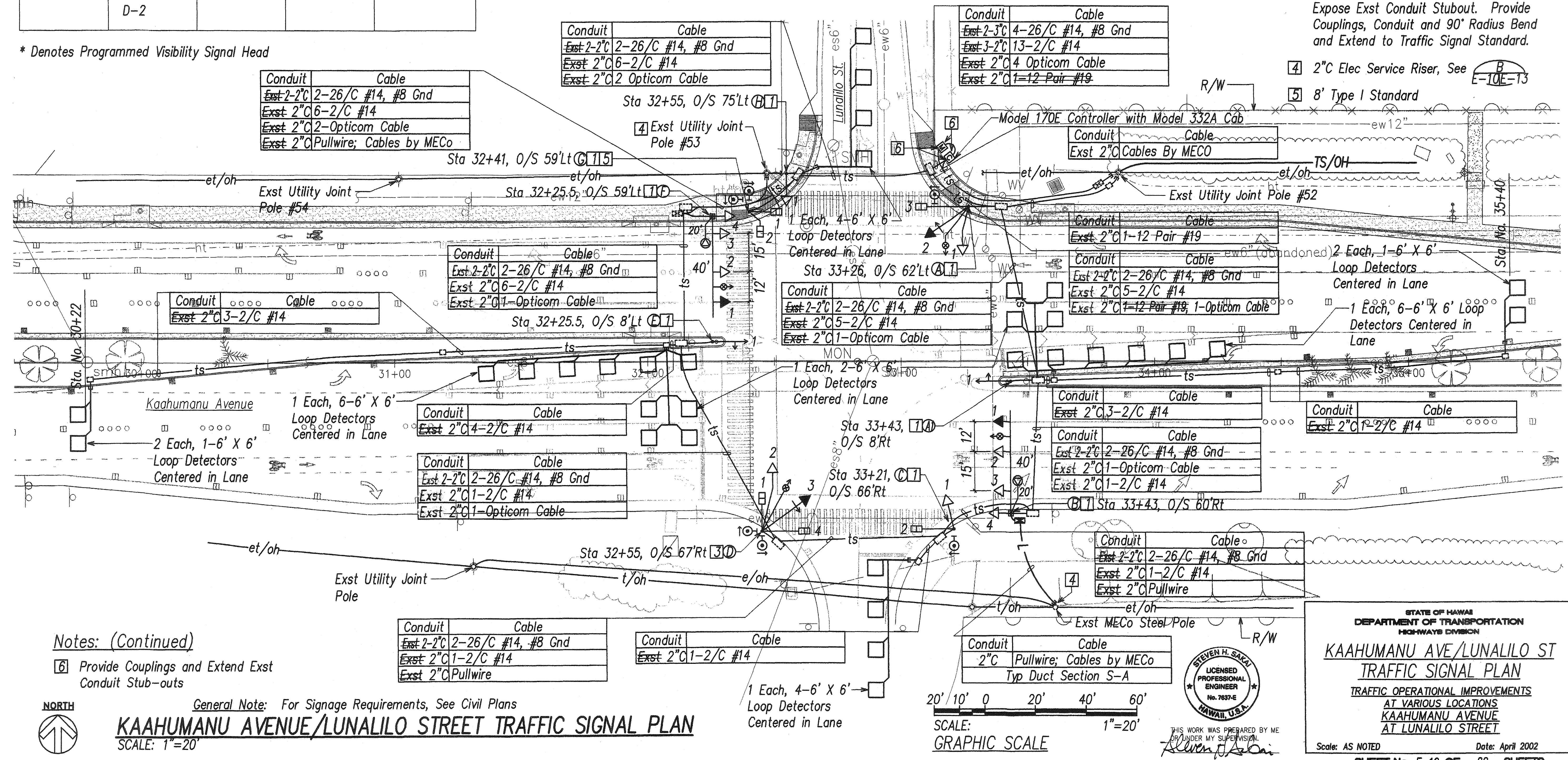


PHASE ASSIGNMENT DIAGRAM



PHASE SEQUENCE

- Notes:
- 1 Sawcut Exst Conc Sidewalk at Scoreline. Excavate and Expose Exst Conduit Stubout. Provide Couplings, Conduit and 90° Radius Bend and Extend to Traffic Signal Standard. Repair Exst Conc Sidewalk to Match Exst.
 - 2 Penetrate Exst Pullbox and Install 2" C. Repair Exst Pullbox to Match Exst.
 - 3 Sawcut Exst A.C. Pavement Prior to Excavation and Repaving. Excavate and Expose Exst Conduit Stubout. Provide Couplings, Conduit and 90° Radius Bend and Extend to Traffic Signal Standard.
 - 4 2" C Elec Service Riser, See E-10E-T3
 - 5 8' Type I Standard



Notes: (Continued)

- 6 Provide Couplings and Extend Exst Conduit Stub-outs

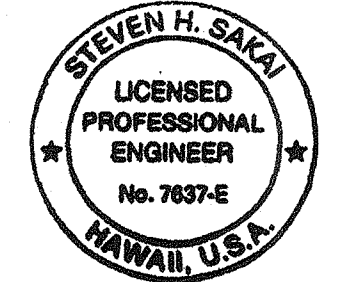
General Note: For Signage Requirements, See Civil Plans

KAAHUMANU AVENUE/LUNALILO STREET TRAFFIC SIGNAL PLAN

SCALE: 1"=20'



SURVEY PLANNED BY: _____
DESIGNED BY: _____
CHECKED BY: _____
DATE: _____



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**KAAHUMANU AVE/LUNALILO ST
TRAFFIC SIGNAL PLAN**
TRAFFIC OPERATIONAL IMPROVEMENTS
AT VARIOUS LOCATIONS
KAAHUMANU AVENUE
AT LUNALILO STREET

"AS BUILT"