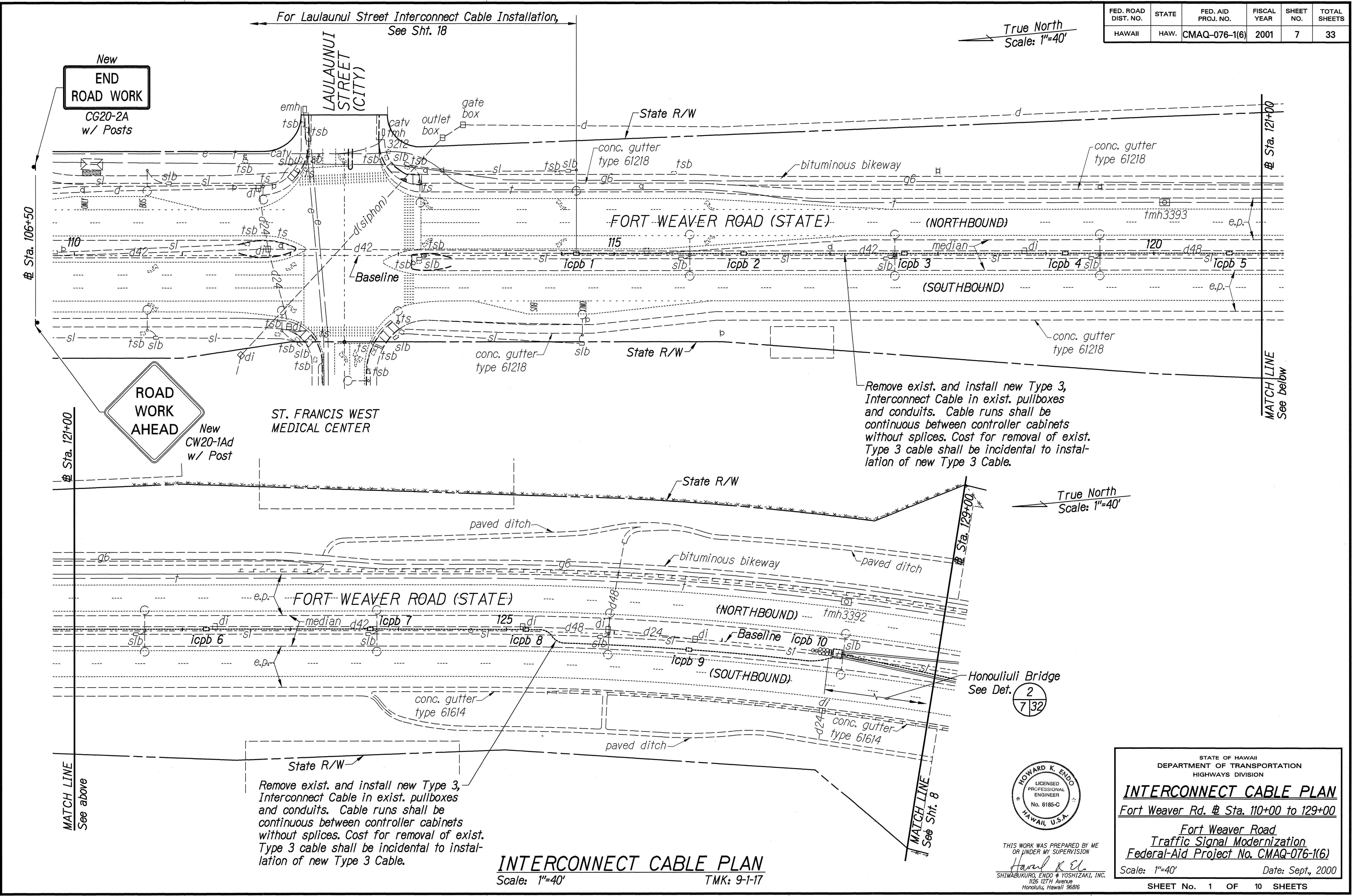
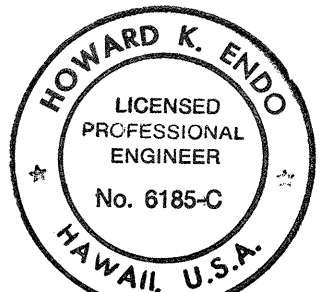


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	7	33



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	



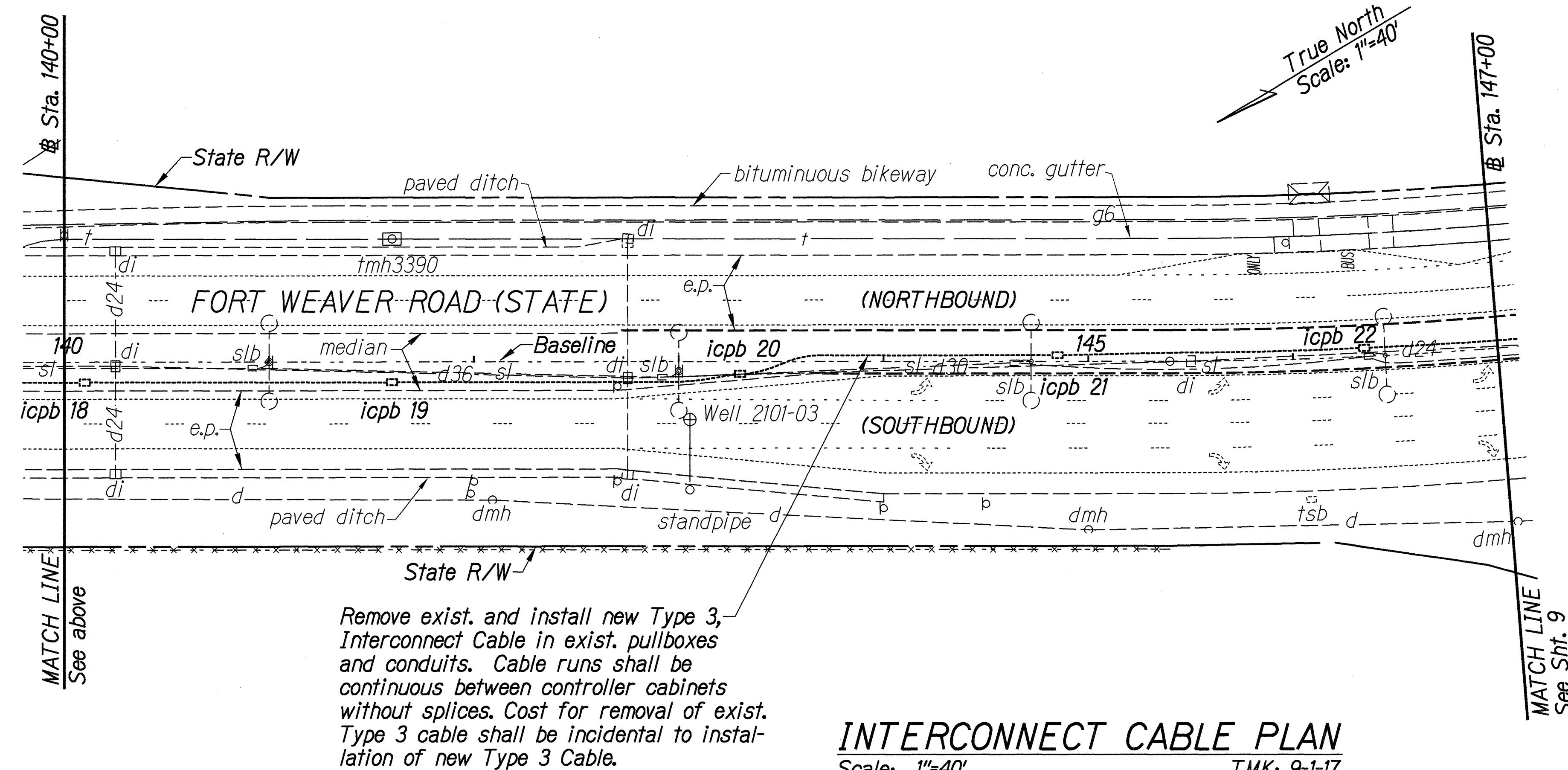
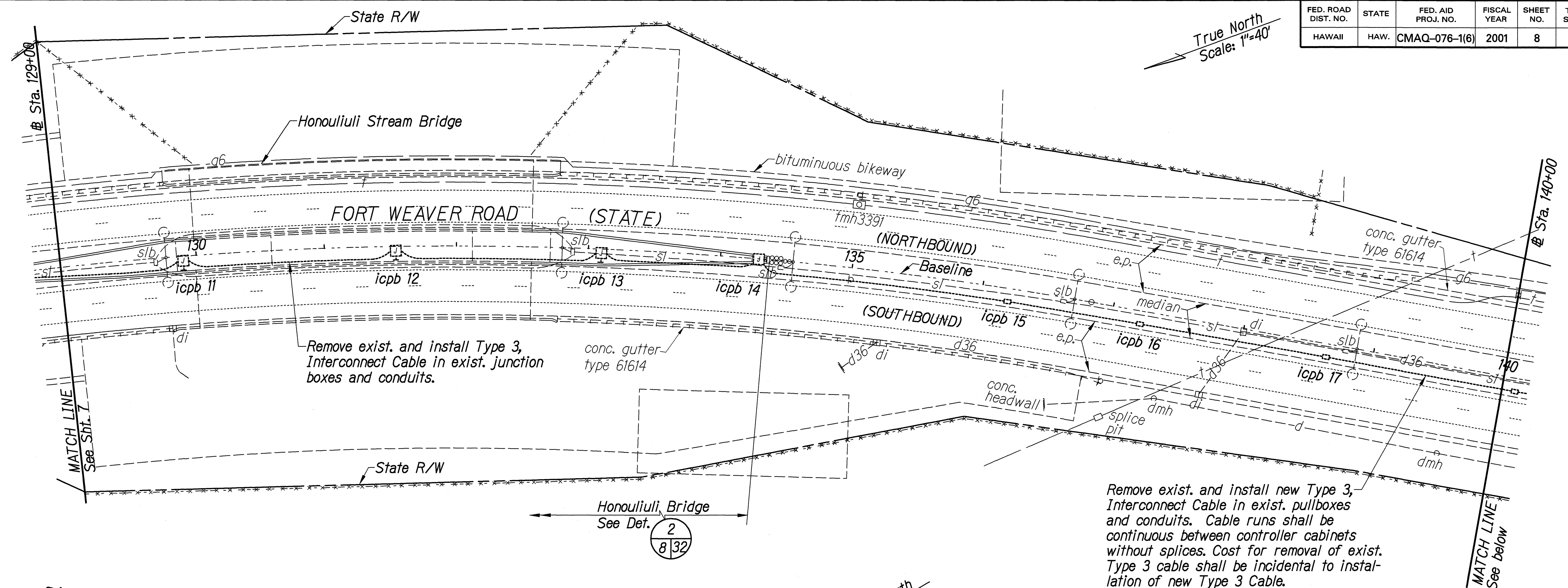
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Howard K. Endo
SHIMABUKURO, ENDO & YOSHIZAKI, INC.
1126 12TH AVENUE
Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

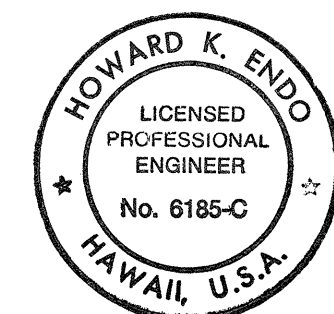
INTERCONNECT CABLE PLAN
Fort Weaver Rd. @ Sta. 110+00 to 129+00
Fort Weaver Road
Traffic Signal Modernization
Federal-Aid Project No. CMAQ-076-1(6)
Scale: 1"=40' Date: Sept., 2000

SHEET No. 1 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	8	33



INTERCONNECT CABLE PLAN Scale: 1"=40' TMK: 9-1-17



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Howard K. Endo

SHIMABUKURO, ENDO & YOSHIZAKI, INC.

1126 12TH AVENUE

Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERCONNECT CABLE PLAN

Fort Weaver Rd. @ Sta. 129+00 to 147+00

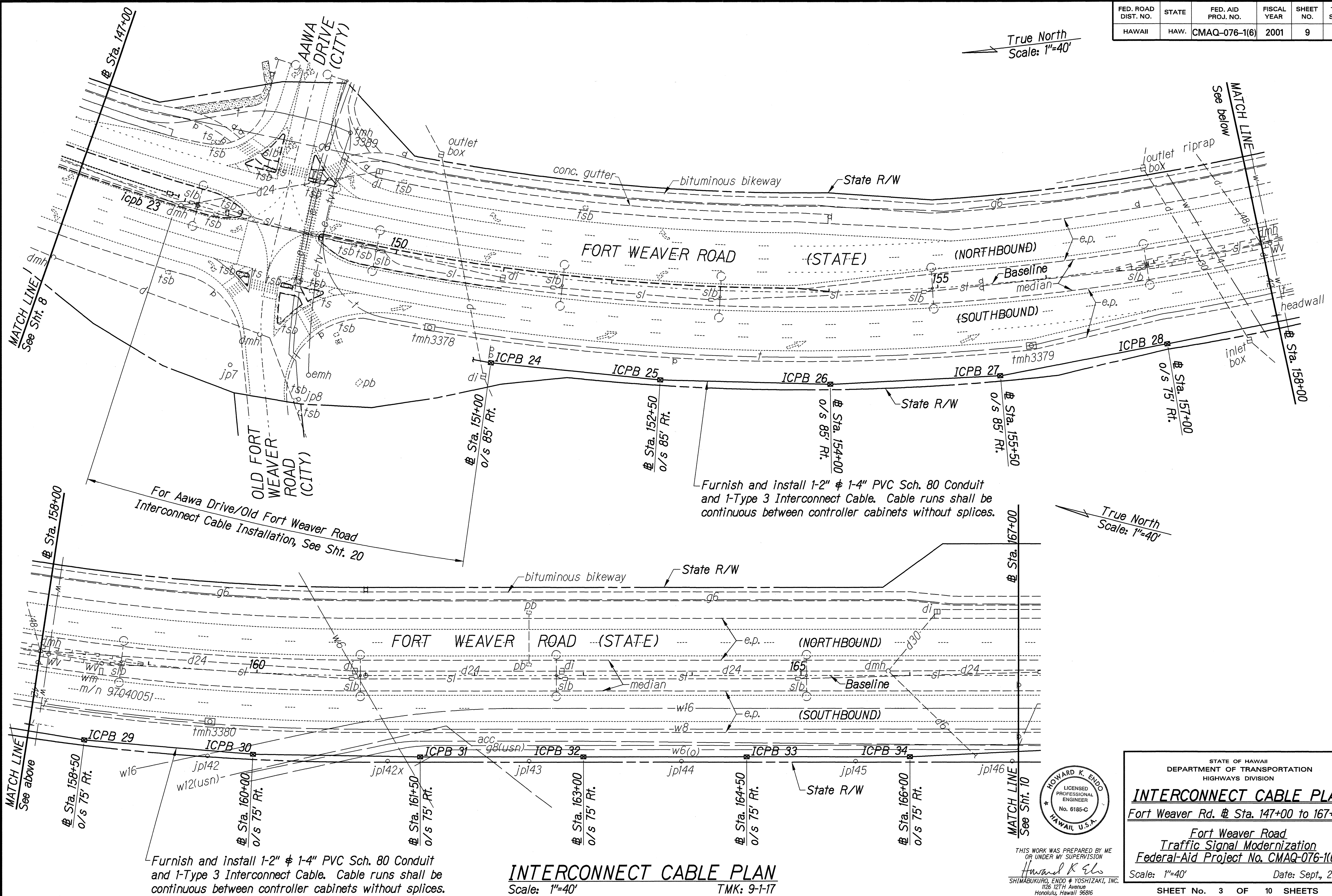
Fort Weaver Road
Traffic Signal Modernization
Federal-Aid Project No. CMAQ-076-1(6)

Scale: 1"=40' Date: Sept., 2000

SHEET No. 2 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	9	33

True North
Scale: 1"=40'



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

INTERCONNECT CABLE PLAN Scale: 1"=40' TMK: 9-1-17

HOWARD K. ENDO
LICENSED PROFESSIONAL ENGINEER
No. 6185-C
HAWAII, U.S.A.

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Howard K. Endo
SHIMABUKURO, ENDO & YOSHIKAZAKI, INC.
1126 12TH AVENUE
HONOLULU, HAWAII 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

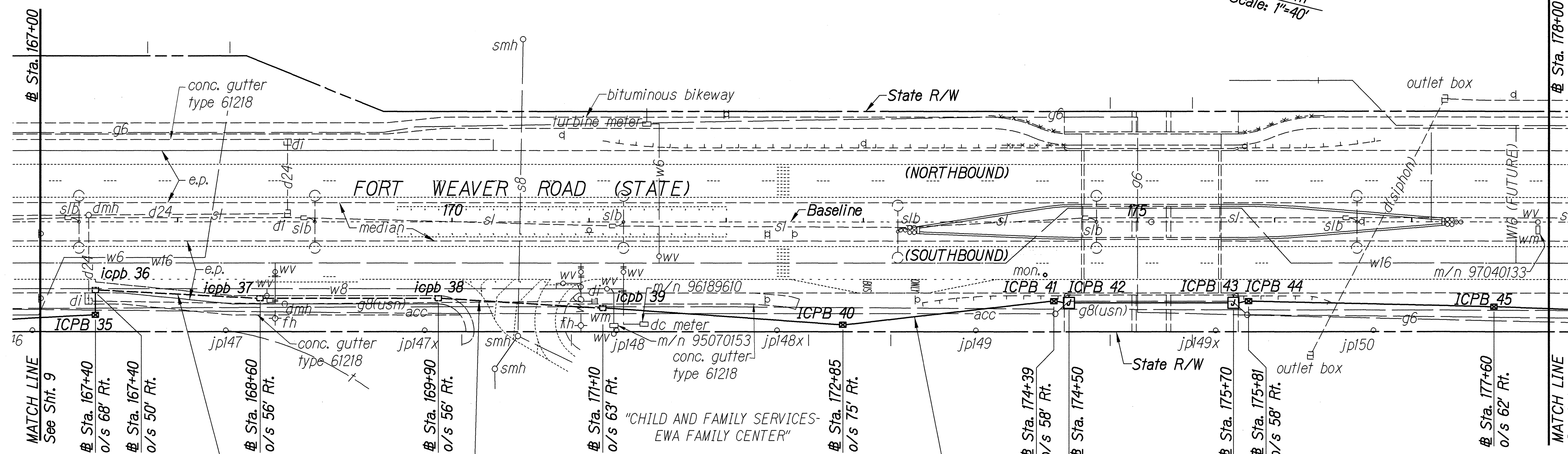
INTERCONNECT CABLE PLAN
Fort Weaver Rd. @ Sta. 147+00 to 167+00

Fort Weaver Road
Traffic Signal Modernization
Federal-Aid Project No. CMAQ-076-1(6)

Scale: 1"=40' Date: Sept., 2000

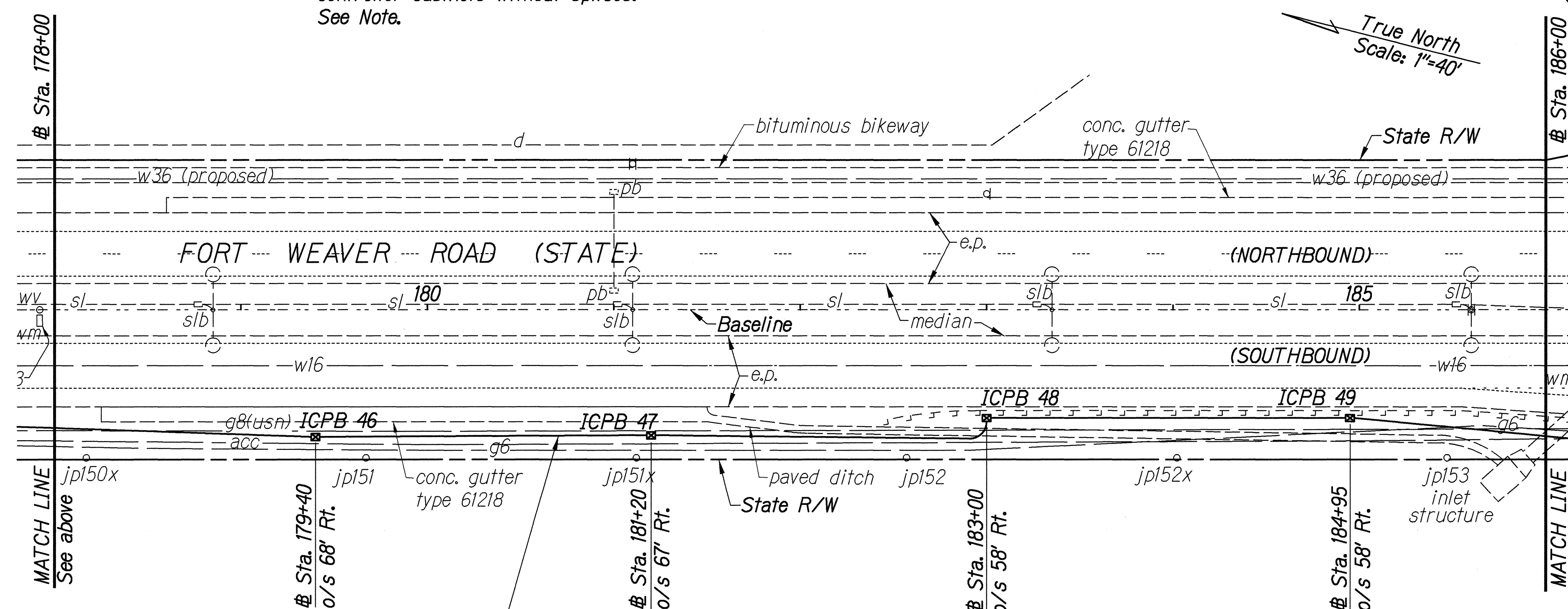
SHEET No. 3 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	10	33



Install Type 3, Interconnect Cable in exist. pullboxes and conduits. Cable runs shall be continuous between controller cabinets without splices. See Note.

Furnish and install 1-2" ϕ 1-4" PVC Sch. 80 Conduit and I-Type 3 Interconnect Cable. Cable runs shall be continuous between controller cabinets without splices.



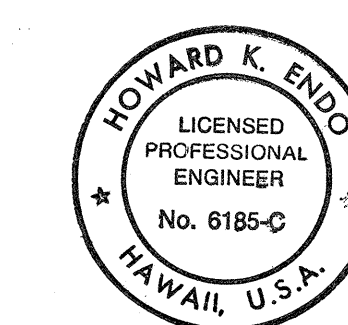
Furnish and install 1-2" ϕ 1-4" PVC Sch. 80 Conduit and I-Type 3 Interconnect Cable. Cable runs shall be continuous between controller cabinets without splices.

INTERCONNECT CABLE PLAN Scale: 1"=40' TMK: 9-1-17

APPROVED:

Dennis M. Nishimura
Chief, Wastewater Branch, DPP

10/19/00
Date



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Howard K. Endo
SHIMABUKURO, ENDO & YOSHIZAKI, INC.
1126 12TH Avenue
Honolulu, Hawaii 96816

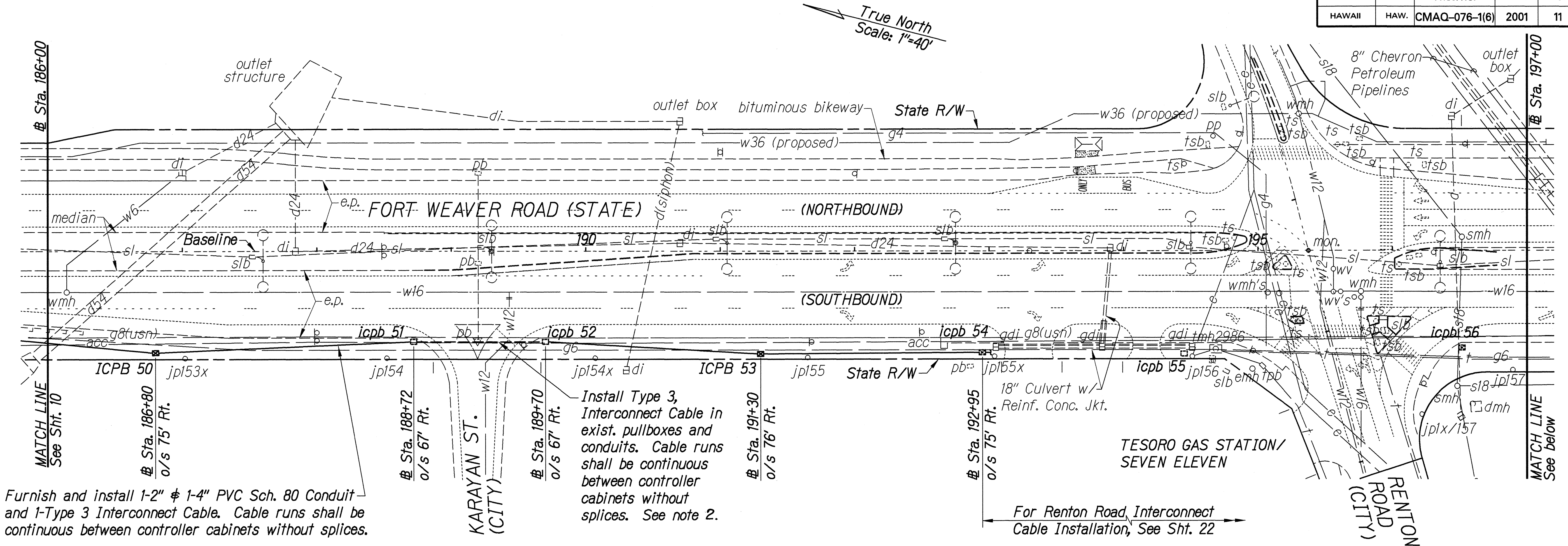
Note:
Fort Weaver Road Resurfacing Fed. Aid Project No. STP-076-1(5) will install 1-2" ϕ 1-4" concrete encased conduits.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERCONNECT CABLE PLAN
Fort Weaver Rd. Sta. 167+00 to 186+00
Fort Weaver Road
Traffic Signal Modernization
Federal-Aid Project No. CMAQ-076-1(6)
Scale: 1"=40' Date: Sept., 2000

SHEET No. 4 OF 10 SHEETS

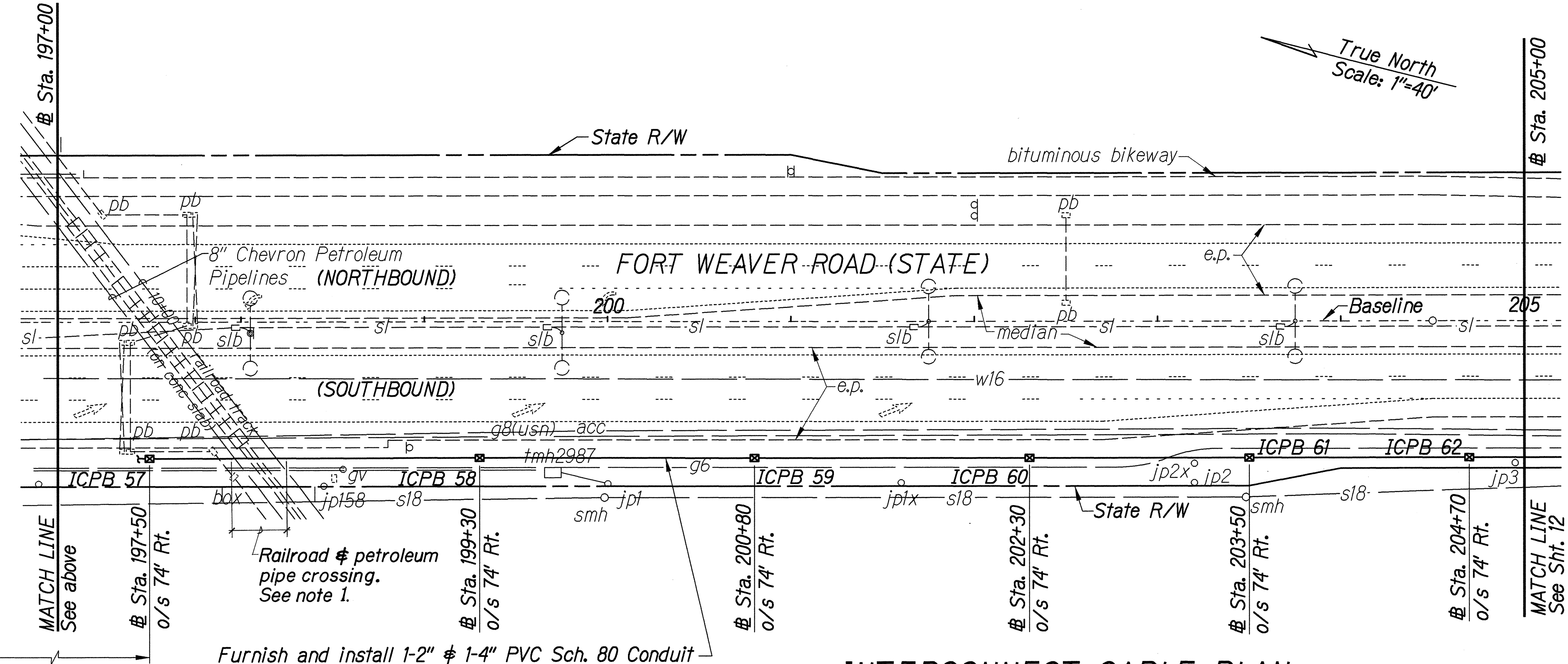
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	11	33



Furnish and install 1-2" ϕ 1-4" PVC Sch. 80 Conduit and 1-Type 3 Interconnect Cable. Cable runs shall be continuous between controller cabinets without splices.

Install Type 3, Interconnect Cable in exist. pullboxes and conduits. Cable runs shall be continuous between controller cabinets without splices. See note 2.

For Renton Road Interconnect Cable Installation, See Sht. 22

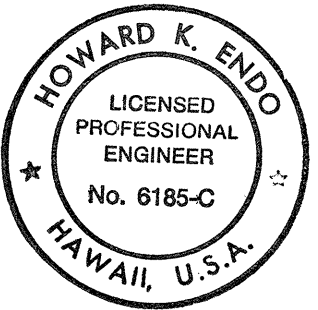


Furnish and install 1-2" ϕ 1-4" PVC Sch. 80 Conduit and 1-Type 3 Interconnect Cable. Cable runs shall be continuous between controller cabinets without splices.

INTERCONNECT CABLE PLAN Scale: 1"=40' TMK: 9-1-17

- Notes:**
- Contractor to install conduits so as not to disturb existing railroad tracks $\&$ existing 8" petroleum pipes. Contractor shall submit installation method and details to the Engineer. Conduits shall be at 42" depth from surface. Payment for this work shall not be made separately but considered incidental to conduit cost.
 - Fort Weaver Road Resurfacing Fed. Aid Project No. STP-076-1(5) will install 1-2" ϕ 1-4" concrete encased conduits.

APPROVED:
Dennis M. Nishimura
Chief, Wastewater Branch, DPP *10/19/00*
Date



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Howard K. Endo
SHIMABUKURO, ENDO & YOSHIZAKI, INC.
1126 12TH AVENUE
HONOLULU, HAWAII 96816

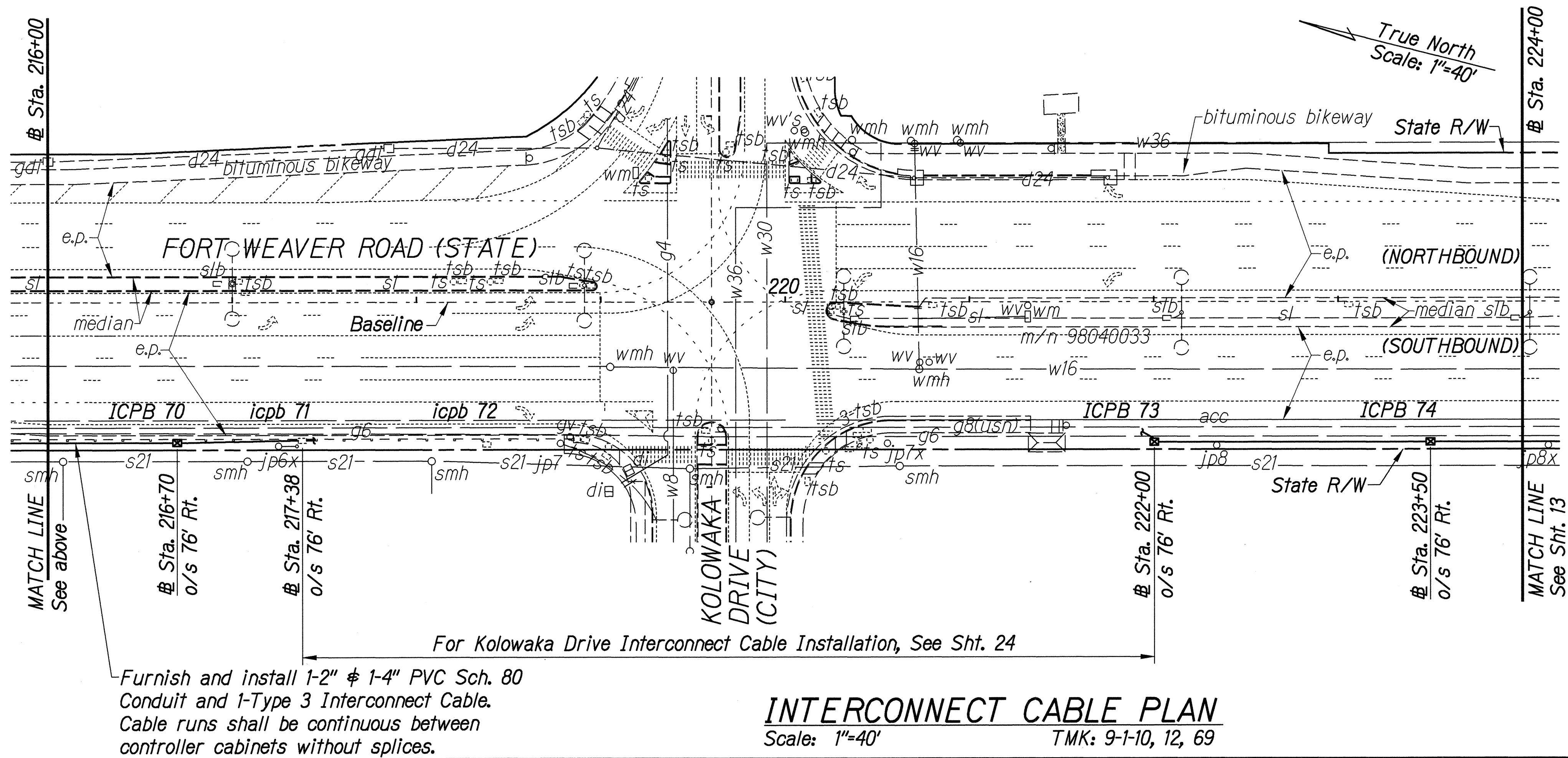
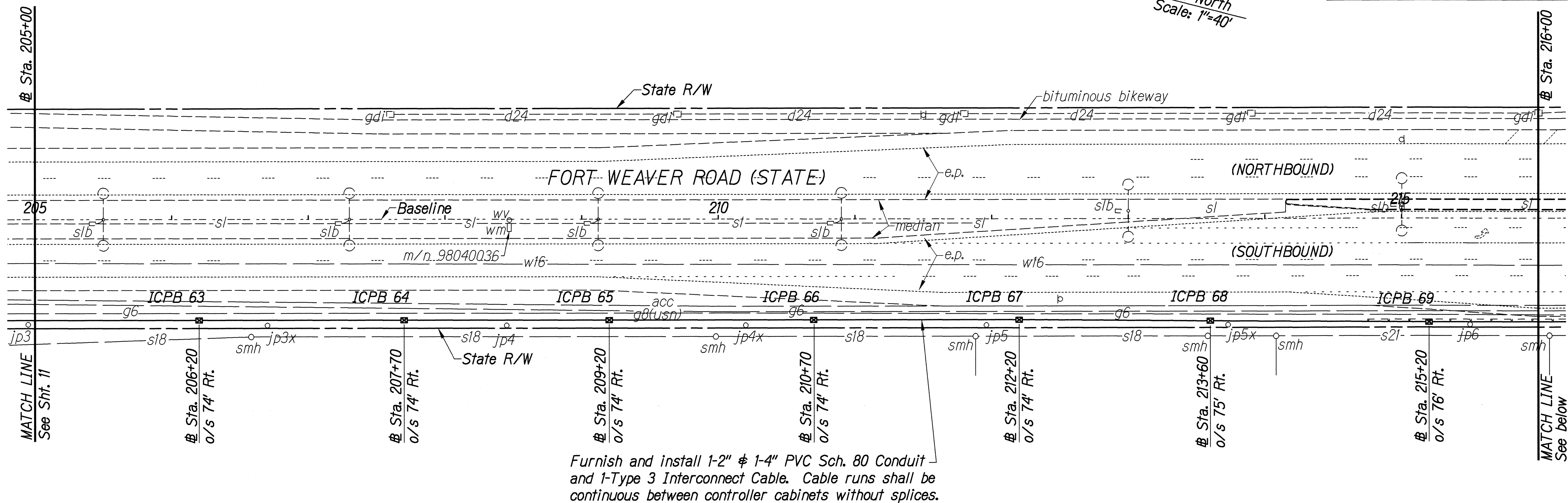
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERCONNECT CABLE PLAN
Fort Weaver Rd. Sta. 186+00 to 205+00
Fort Weaver Road
Traffic Signal Modernization
Federal-Aid Project No. CMAQ-076-1(6)
Scale: 1"=40' Date: Sept., 2000

SHEET No. 5 OF 10 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

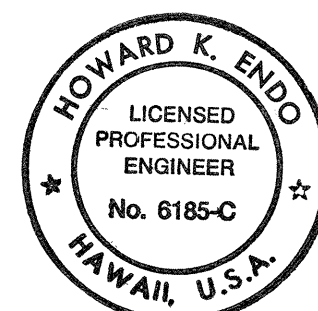
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	12	33



- Notes:**
- Fort Weaver Road Resurfacing Fed. Aid Project No. STP-076-1(5) will install 1-2" & 1-4" concrete encased conduits.
 - Contractor shall be aware of the presence of irrigation lines along the route of the interconnect cable. Contractor shall notify the Engineer and adjust the interconnect cable alignment as necessary. Any damages and repairs to the irrigation line shall be done by the Contractor at no cost to the State.

APPROVED:

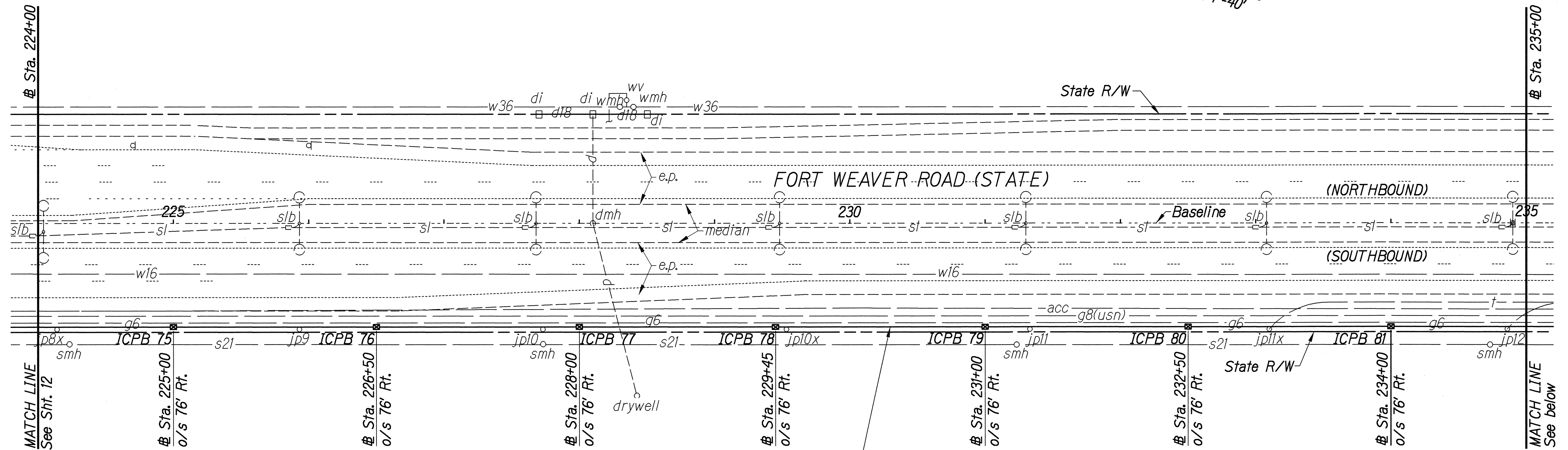
Dennis M. Nukunua 10/19/00
Chief, Wastewater Branch, DPP *m* Date



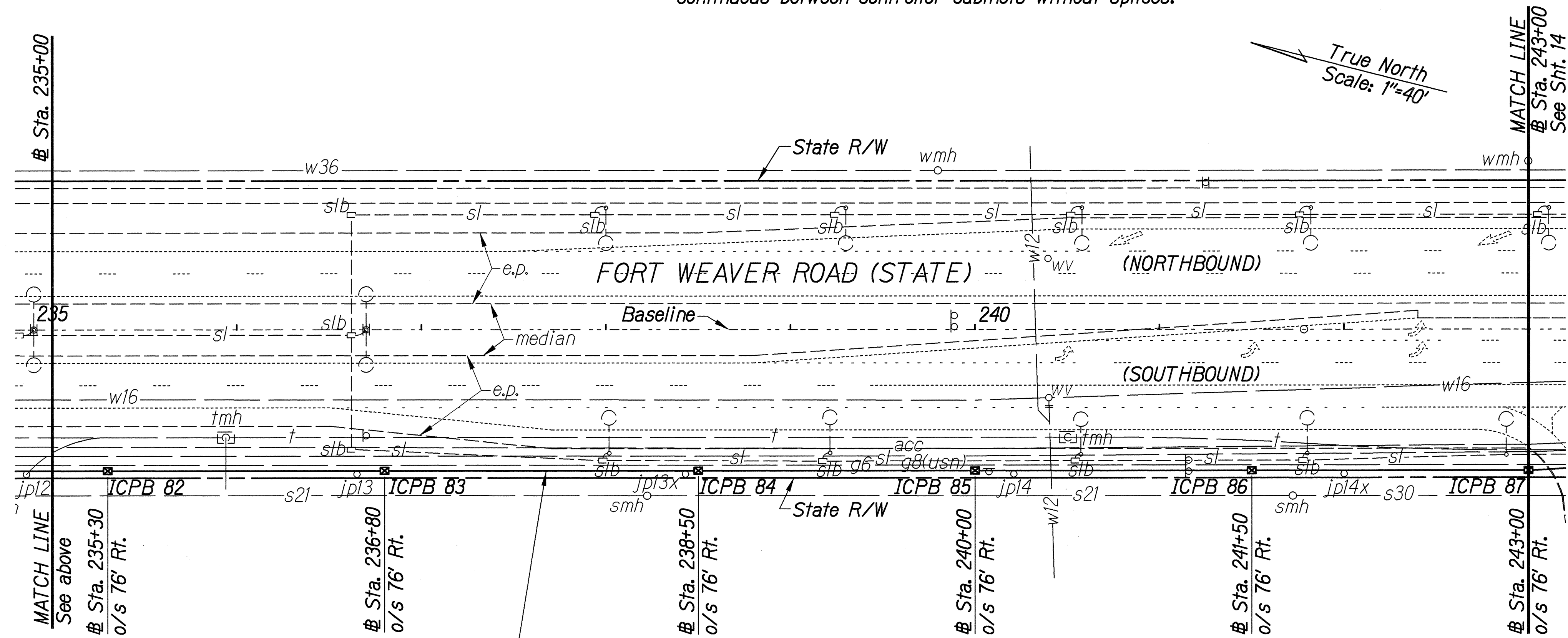
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OR UNDER MY SUPERVISION
Howard K. Endo
SHINABUKURO, ENDO & YOSHIKAWA, INC.
1126 12TH AVENUE
HONOLULU, HAWAII 96816

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
INTERCONNECT CABLE PLAN	
Fort Weaver Rd. Sta. 205+00 to 224+00	
Fort Weaver Road Traffic Signal Modernization Federal-Aid Project No. CMAQ-076-1(6)	
Scale: 1"=40'	Date: Sept., 2000
SHEET No. 6 OF 10 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	13	33



Furnish and install 1-2" ϕ 1-4" PVC Sch. 80 Conduit and 1-Type 3 Interconnect Cable. Cable runs shall be continuous between controller cabinets without splices.



Furnish and install 1-2" ϕ 1-4" PVC Sch. 80 Conduit and 1-Type 3 Interconnect Cable. Cable runs shall be continuous between controller cabinets without splices.

INTERCONNECT CABLE PLAN

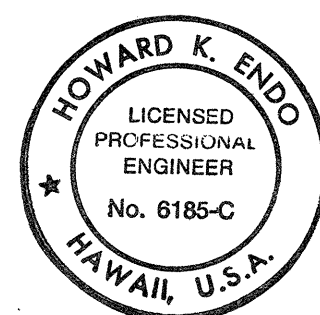
Scale: 1"=40' TMK: 9-1-10, 12, 69

Note:

Contractor shall be aware of the presence of irrigation lines along the route of the interconnect cable. Contractor shall notify the Engineer and adjust the interconnect cable alignment as necessary. Any damages and repairs to the irrigation line shall be done by the Contractor at no cost to the State.

APPROVED:

Dennis M. Nishimura 10/19/00
Chief, Wastewater Branch, DPP m Date

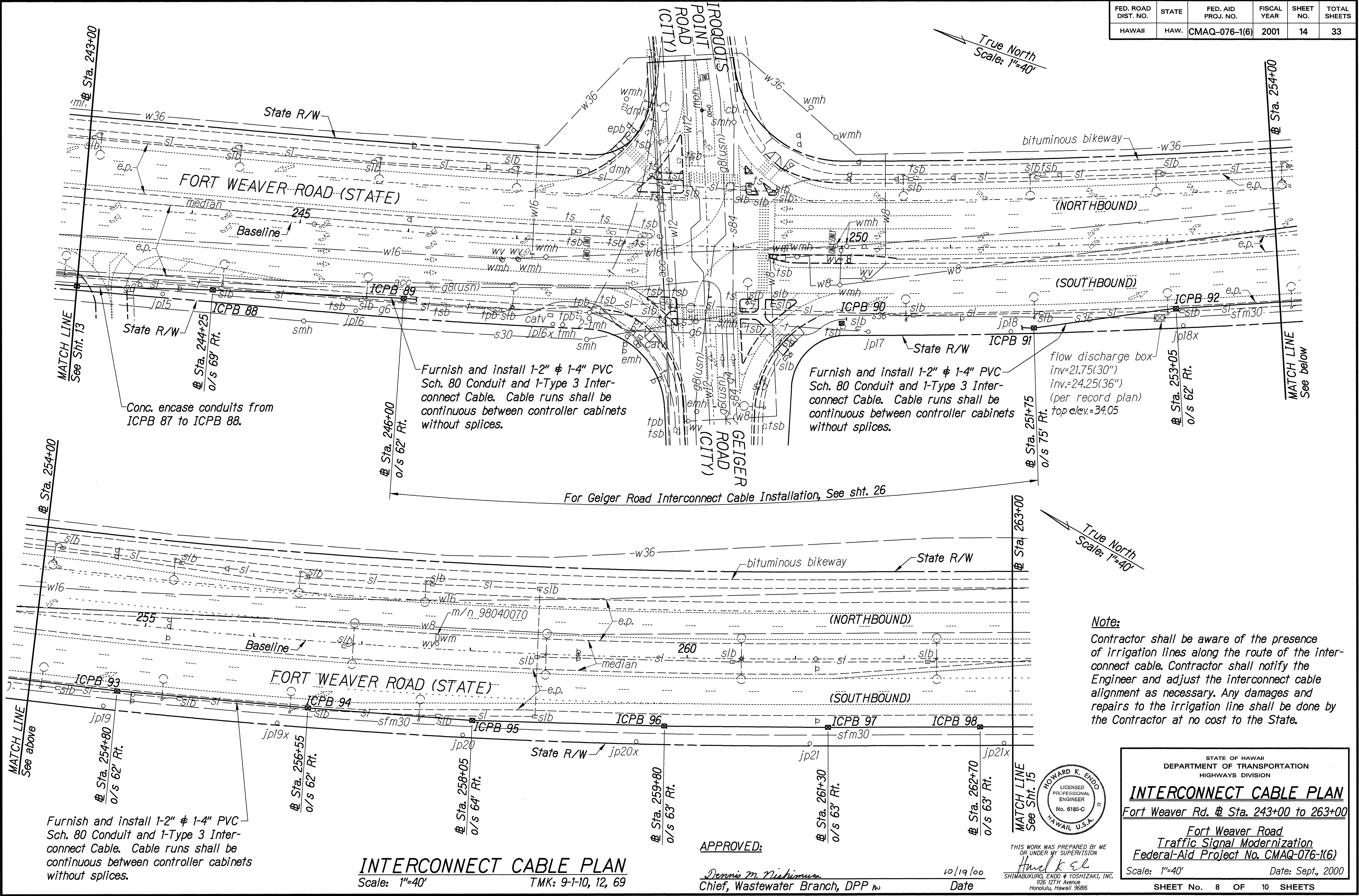


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OR UNDER MY SUPERVISION
Howard K. Endo
SHIMABUKURO, ENDO & YOSHIZAKI, INC.
1126 12TH AVENUE
HONOLULU, HAWAII 96816

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
INTERCONNECT CABLE PLAN	
Fort Weaver Rd. # Sta. 224+00 to 243+00	
Fort Weaver Road Traffic Signal Modernization Federal-Aid Project No. CMAQ-076-1(6)	
Scale: 1"=40'	Date: Sept., 2000
SHEET No. 7 OF 10 SHEETS	

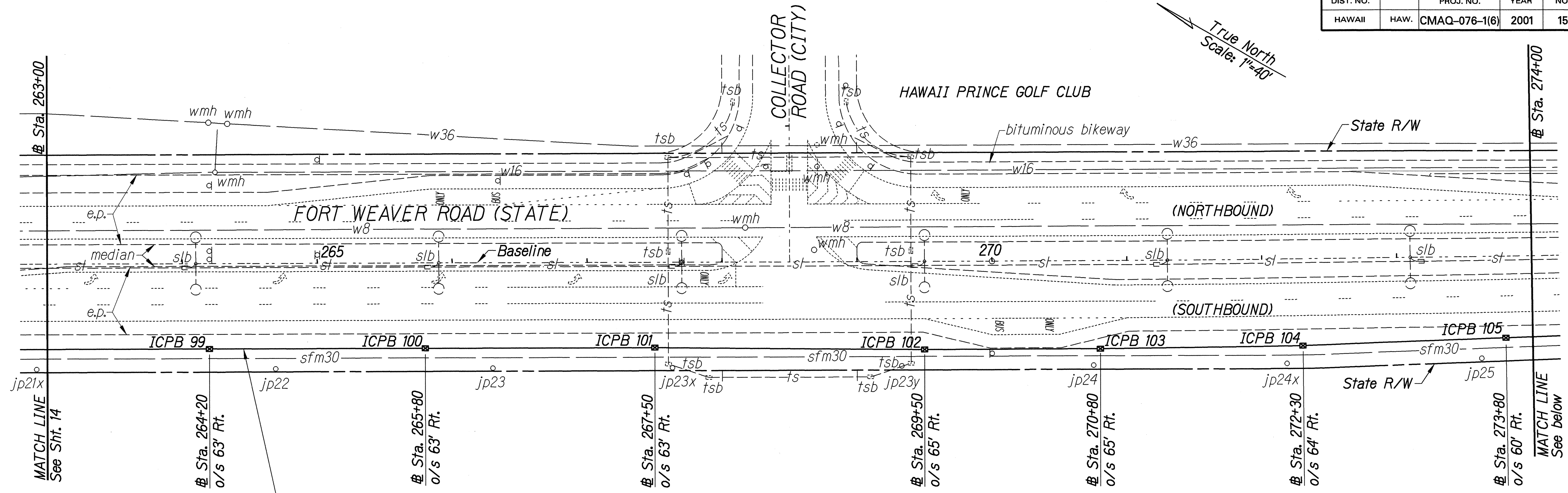
DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	14	33

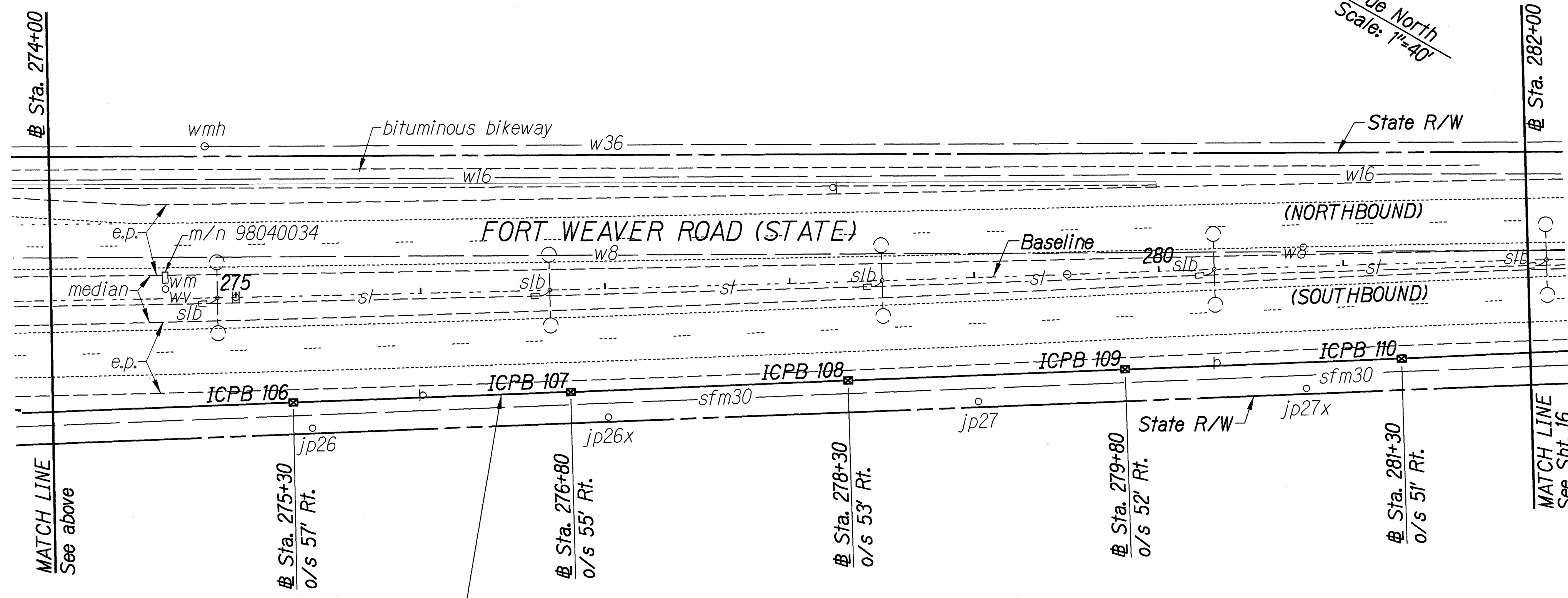


SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	15	33



Furnish and install 1-2" ϕ 1-4" PVC Sch. 80 Conduit and 1-Type 3 Interconnect Cable. Cable runs shall be continuous between controller cabinets without splices.



Furnish and install 1-2" ϕ 1-4" PVC Sch. 80 Conduit and 1-Type 3 Interconnect Cable. Cable runs shall be continuous between controller cabinets without splices.

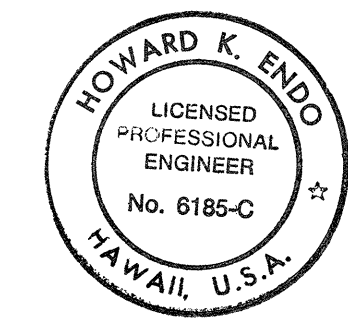
INTERCONNECT CABLE PLAN

Scale: 1"=40' TMK: 9-1-10, 12, 69

APPROVED:

Dennis M. Nishimura
Chief, Wastewater Branch, DPP ms

10/19/00
Date



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Howard K. Endo
SHIMABUKURO, ENDO & YOSHIZAKI, INC.
1126 12TH AVENUE
Honolulu, Hawaii 96816

Note:
Contractor shall be aware of the presence of irrigation lines along the route of the interconnect cable. Contractor shall notify the Engineer and adjust the interconnect cable alignment as necessary. Any damages and repairs to the irrigation line shall be done by the Contractor at no cost to the State.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERCONNECT CABLE PLAN

Fort Weaver Rd. # Sta. 263+00 to 282+00

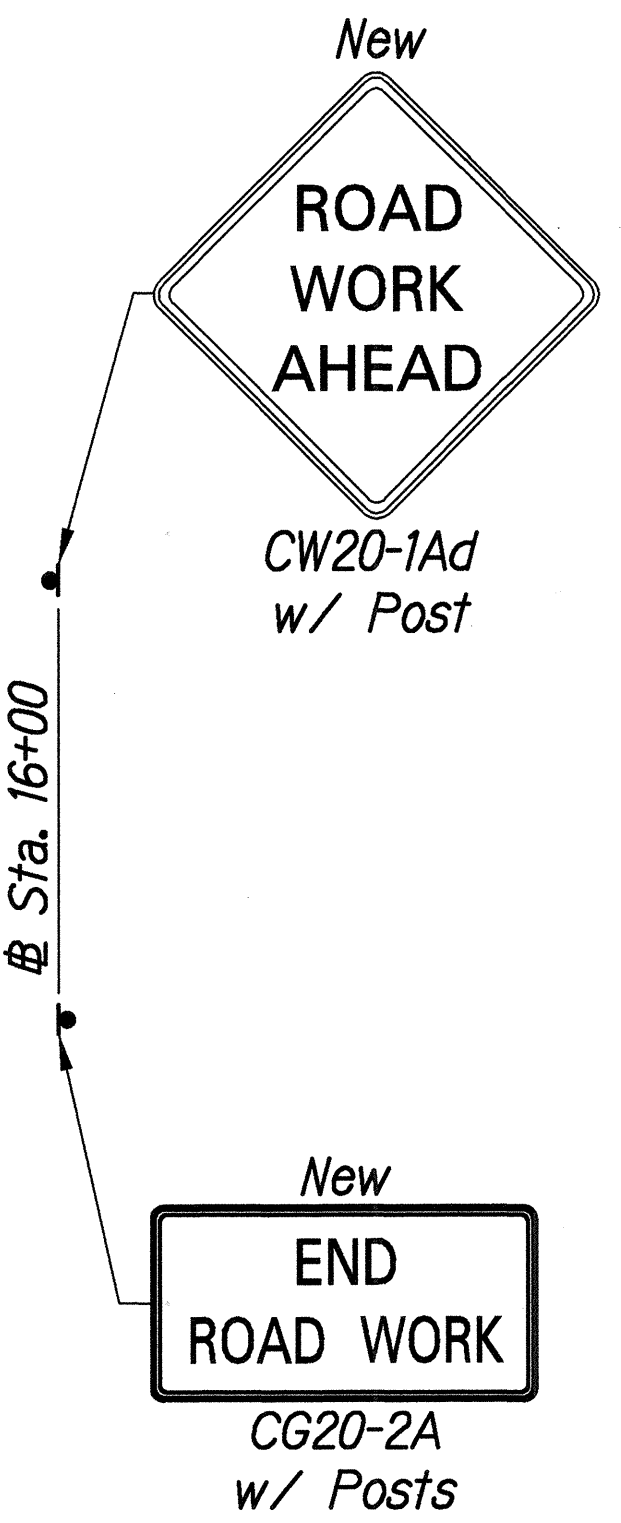
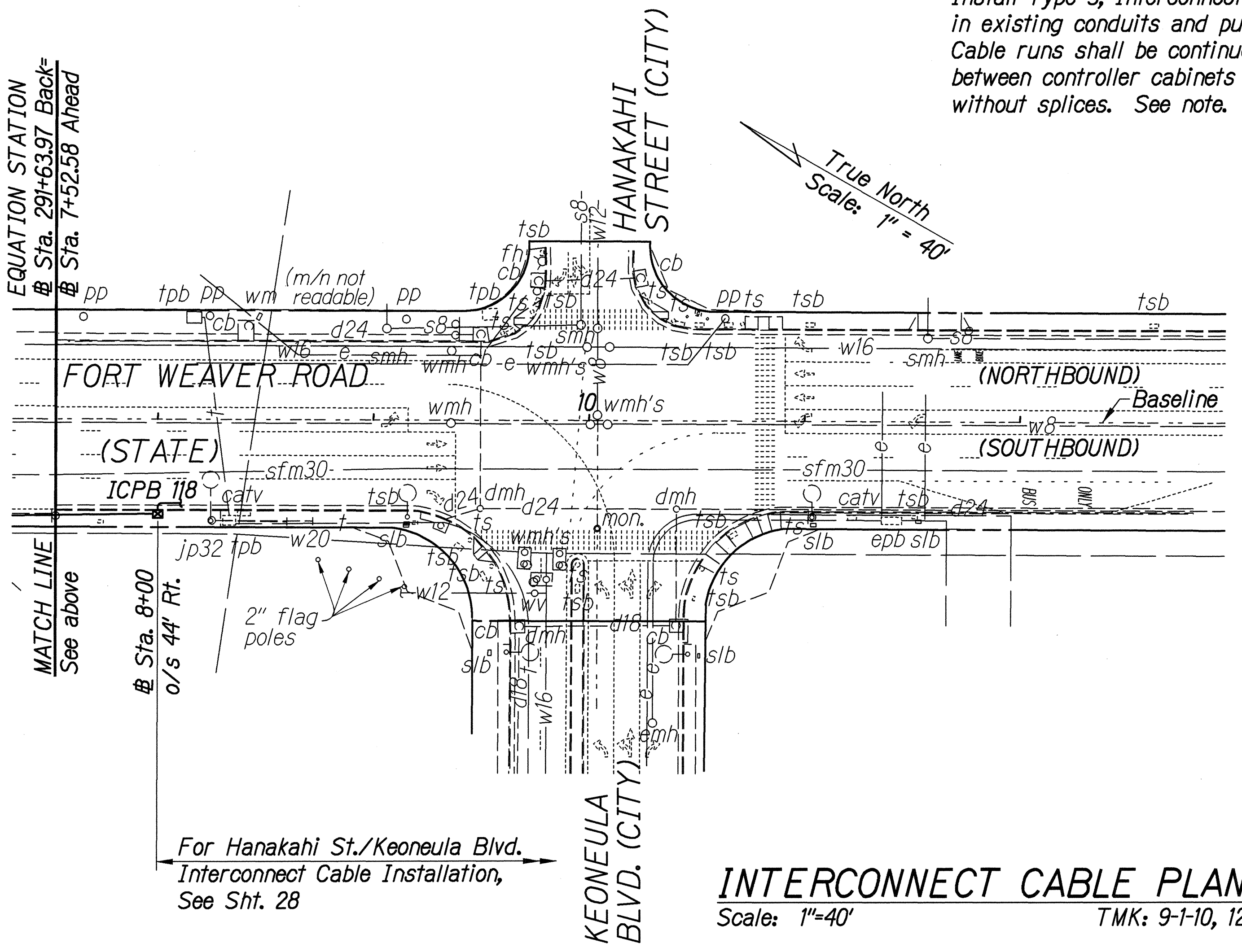
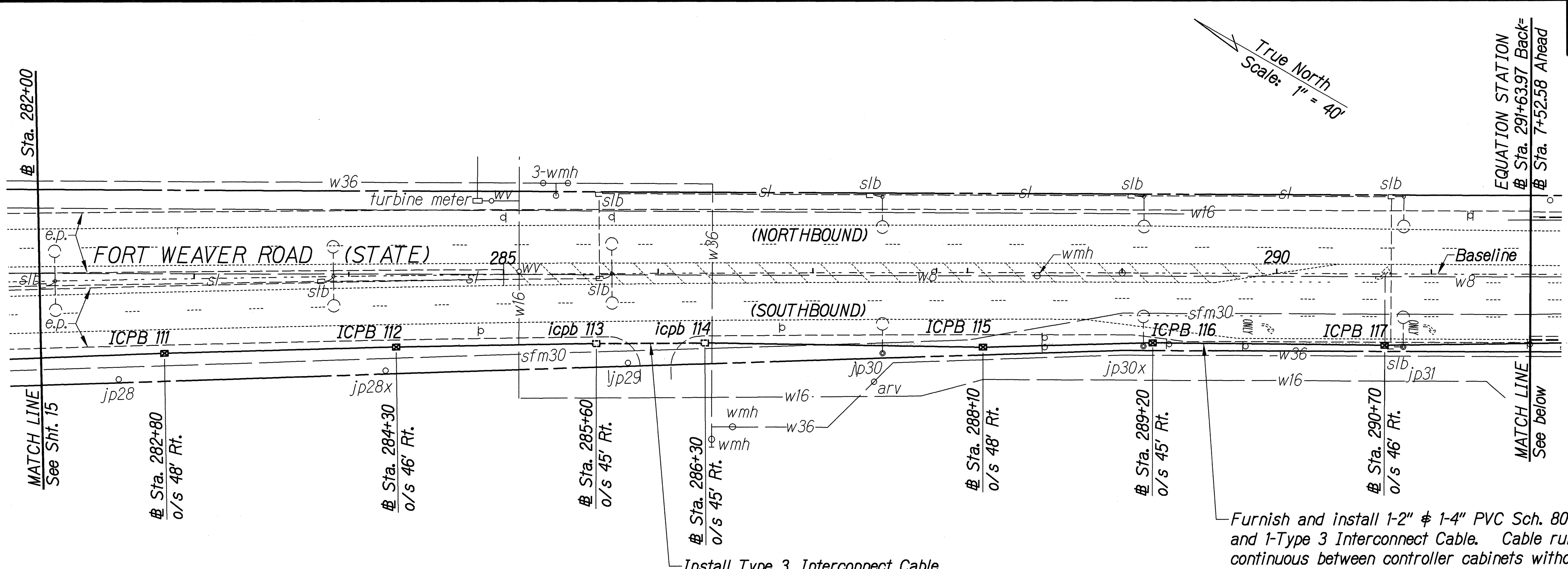
Fort Weaver Road
Traffic Signal Modernization
Federal-Aid Project No. CMAQ-076-1(6)

Scale: 1"=40' Date: Sept., 2000

SHEET No. 9 OF 10 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	16	33



APPROVED:

Catherine R. Dungea 9/28/00
for Chief, Planning & Engineering, BWS^{ty} Date

Dennis M. Nishimura 10/19/00
Chief, Wastewater Branch, DPP^m Date

HOWARD K. ENDO
LICENSED PROFESSIONAL ENGINEER
No. 6185-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Howard K. Endo
SHIMABUKURO, ENDO & YOSHIKAZAKI, INC.
1126 12TH AVENUE
HONOLULU, HAWAII 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERCONNECT CABLE PLAN
Fort Weaver Rd. Sta. 282+00 to 12+75
Fort Weaver Road
Traffic Signal Modernization
Federal-Aid Project No. CMAQ-076-1(6)
Scale: 1"=40' Date: Sept., 2000

SHEET No. 10 OF 10 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	