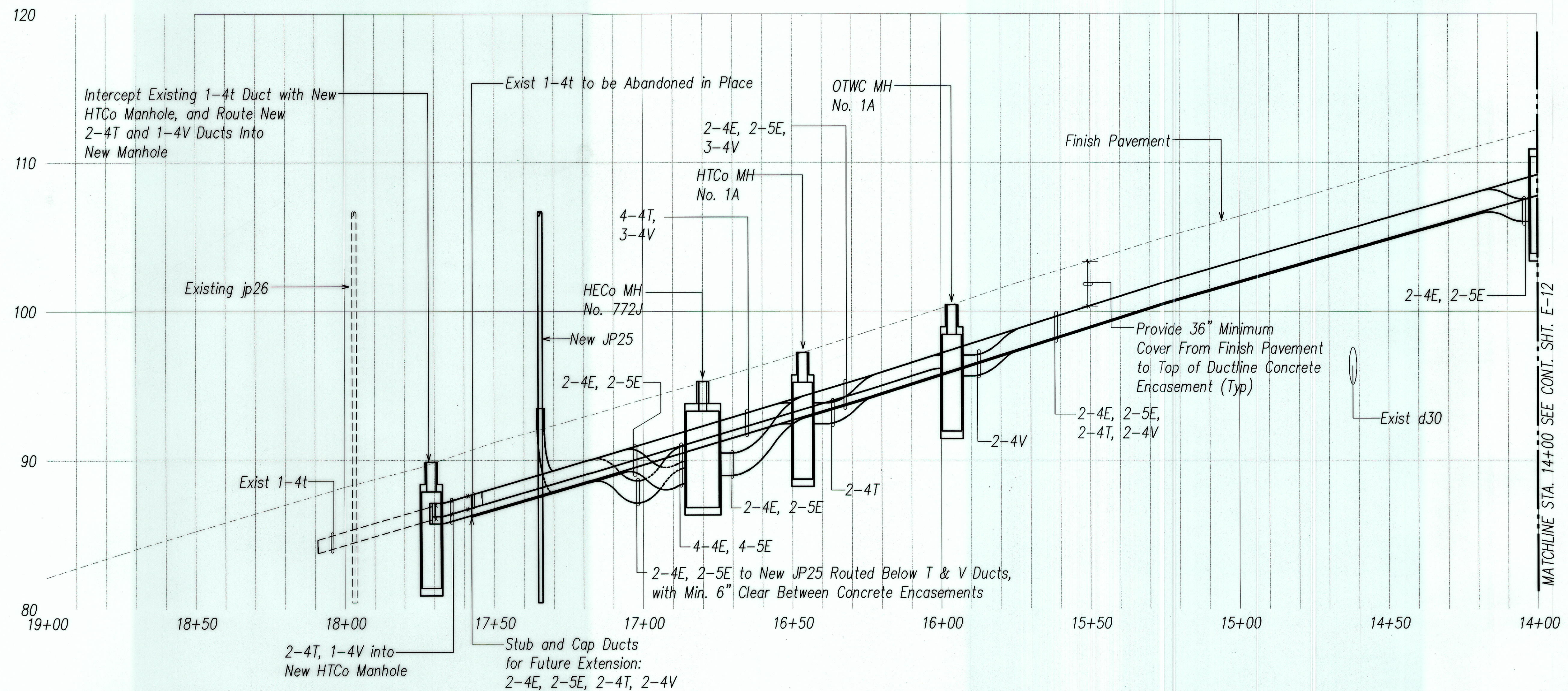
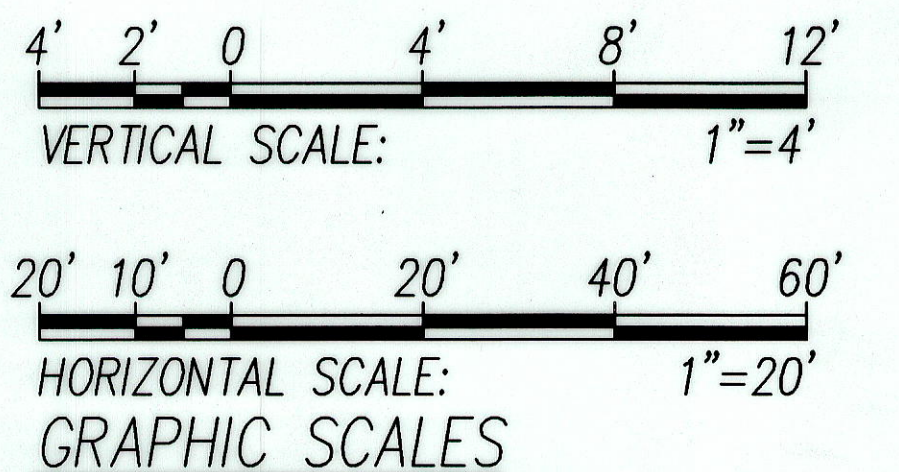


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1 (51)	2007	51	106



PARTIAL ELECTRICAL PROFILE I
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED	DRAWN BY	
DESIGNED BY	DESIGNED BY	
CHECKED BY	CHECKED BY	
NO.	LAST SAVE: 04/27/07 @ 12:48:24 PM: AM PLOT \$0.120	

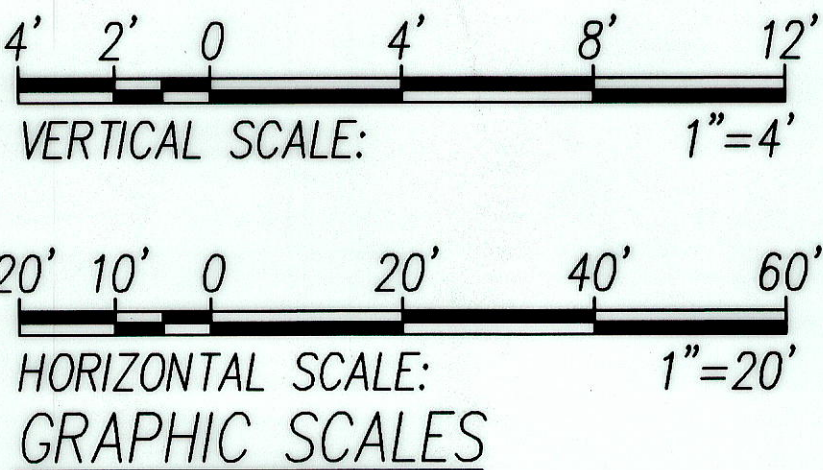
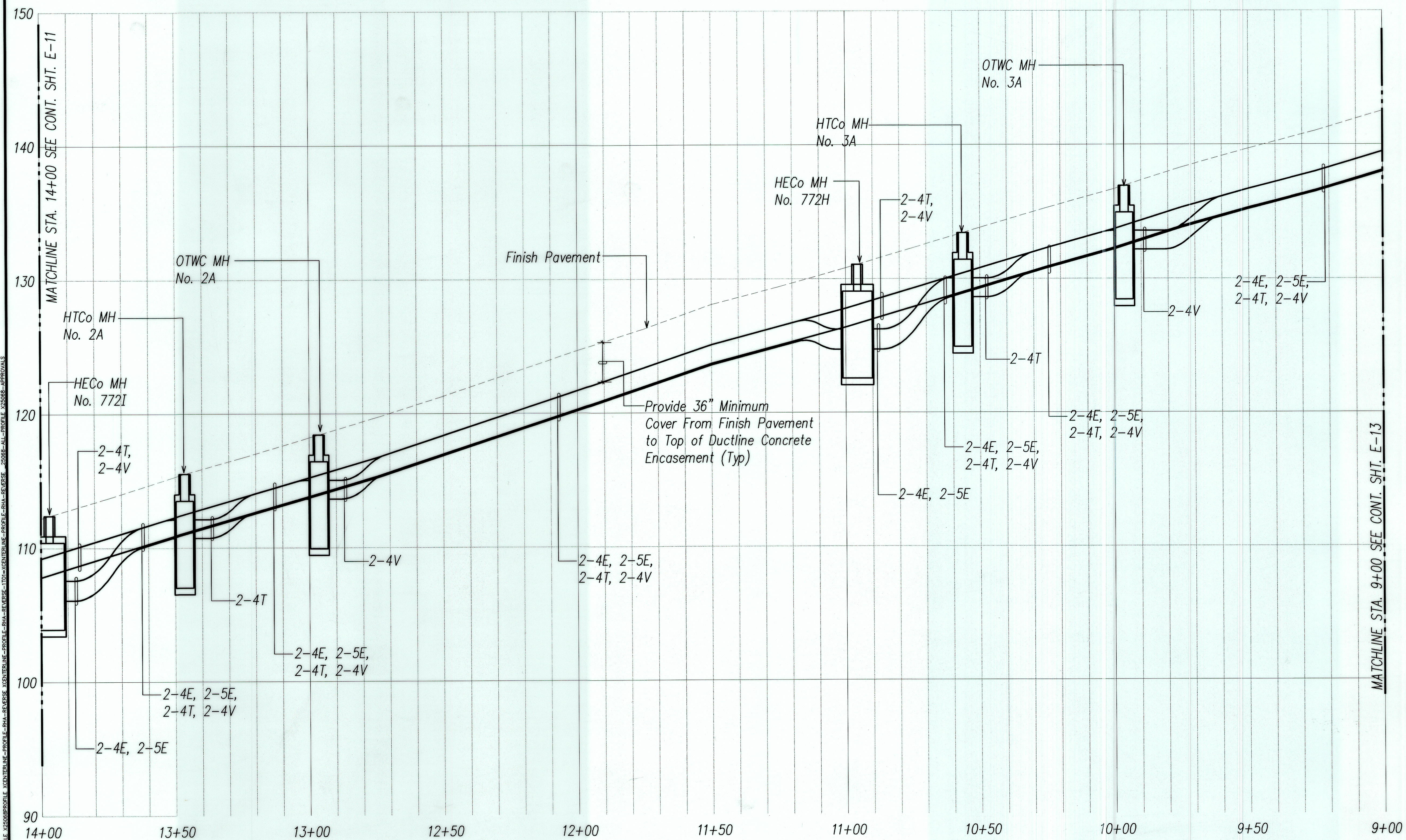
DRAWING REVIEW
Reviewed for HECO's Facilities Only
Date: 1/25/07 By: D. J. [Signature]
Engineering Department
Hawaiian Electric Company, Inc.
HECO's review of these drawings shall in no way relieve the Customer, its Consultant, its Contractor or anyone acting on the Customer's behalf from the responsibility for engineering, design, materials and any other liability associated with this project.

APPROVED BY:
HAWAIIAN ELECTRIC COMPANY (HECO)
HAWAIIAN TELCOM (HTC)
OCEANIC TIME WARNER CABLE (OTWC)
DATE: 8/8/07
DATE: 08-09-07

RONALD H. S. HO & ASSOC., INC.
ELECTRICAL ENGINEERS
ANDREW I. MIYASATO
LICENSED PROFESSIONAL ENGINEER
No. 4340-E
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Signature: [Signature]
Expiration Date of the License: 04-30-08

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL ELECTRICAL PROFILE I
Kalaniana'ole Highway Improvements
Retaining Wall at Makapuu, Oahu
Federal Aid Project No. NH-072-1 (51)
SCALE: AS NOTED DATE: APR. 2007
SHEET No. E-11 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1 (51)	2007	52	106



PARTIAL ELECTRICAL PROFILE II
 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=4'

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____

LAST SAVE: 04/27/07 @ 12:48:40 BY: AM PLOT SC 1-20
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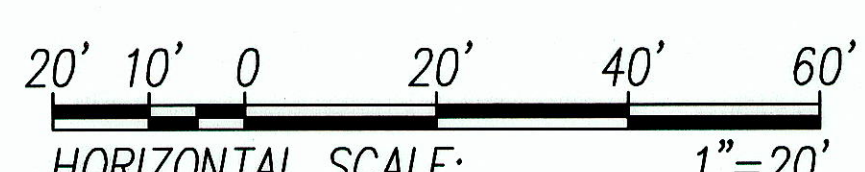
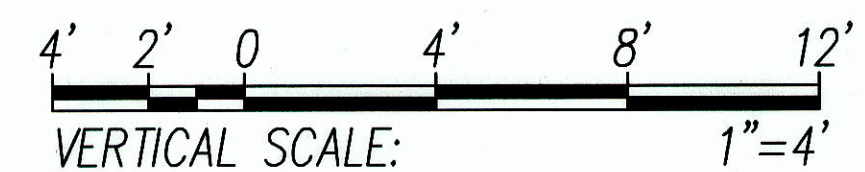
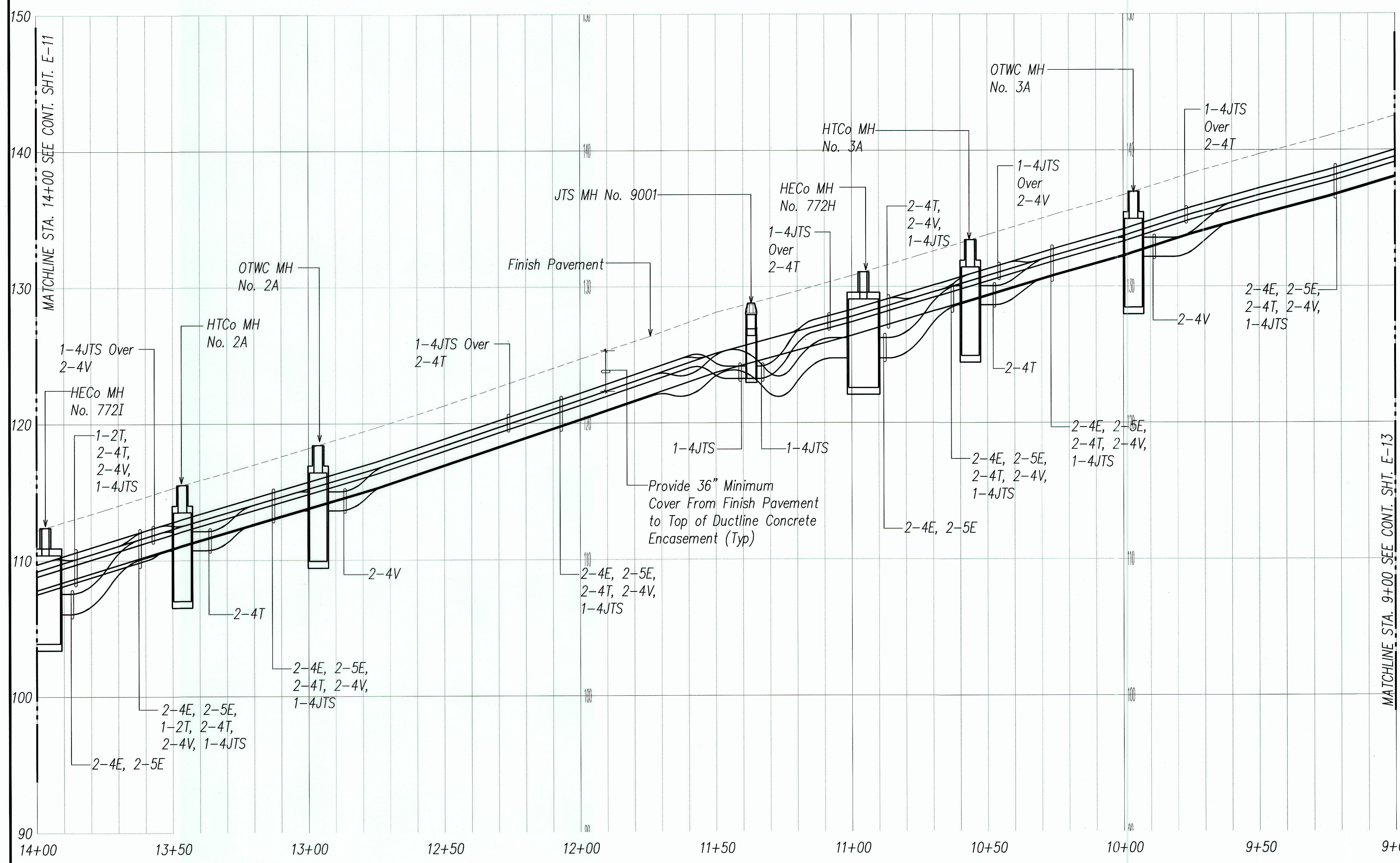
DRAWING REVIEW
 Reviewed for HECO's Facilities Only
 Date 7/25/07 By R. [Signature]
 Engineering Department
 Hawaiian Electric Company, Inc.
 HECO's review of these drawings shall in no way relieve the Customer, its Consultant, its Contractor or anyone acting on the Customer's behalf from the responsibility for engineering, design, materials and any other liability associated with this project.

APPROVED BY:
 HAWAIIAN ELECTRIC COMPANY (HECO)
 HAWAIIAN TELCOM (HTCO)
 OCEANIC TIME WARNER CABLE (OTWC)
 Date 8/8/07
 Date 08-09-07

RONALD N. S. HO & ASSOC., INC.
 ELECTRICAL ENGINEERS
ANDREW I. MIYASATO
 LICENSED PROFESSIONAL ENGINEER
 No. 4340-E
 HAWAII, U.S.A.
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 Signature: [Signature]
 Expiration Date of the License: 04-30-08

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PARTIAL ELECTRICAL PROFILE II
 Kalaniana'ole Highway Improvements
 Retaining Wall at Makapuu, Oahu
 Federal Aid Project No. NH-072-1 (51)
 SCALE: AS NOTED
 DATE: APR. 2007
 SHEET No. E-12 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1 (51)	2007	C.O. 52	106

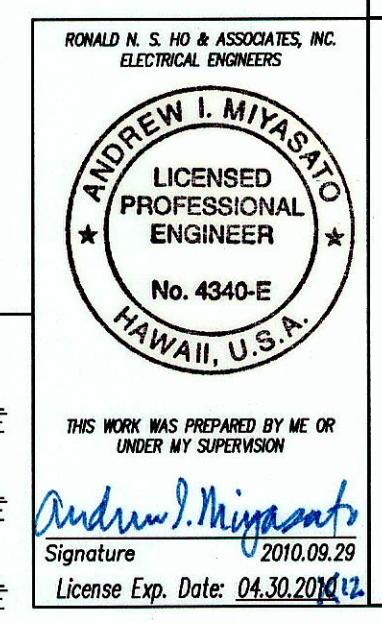


GRAPHIC SCALES

PARTIAL ELECTRICAL PROFILE II
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

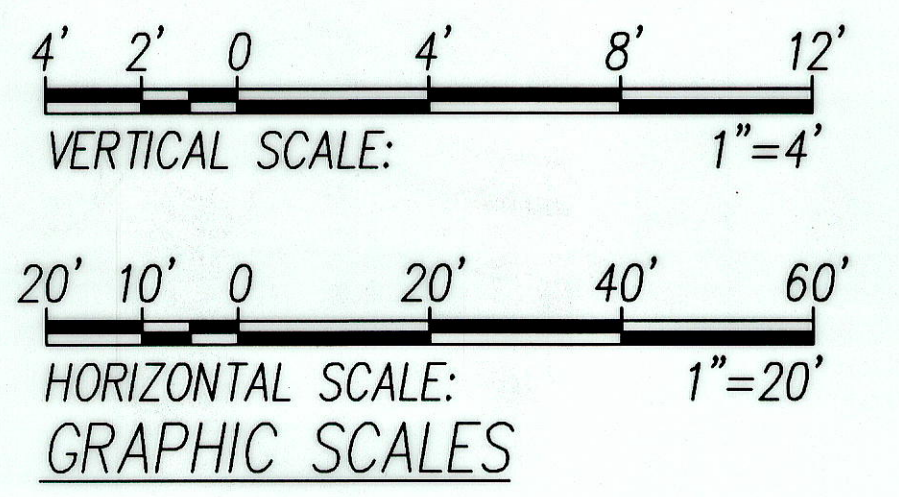
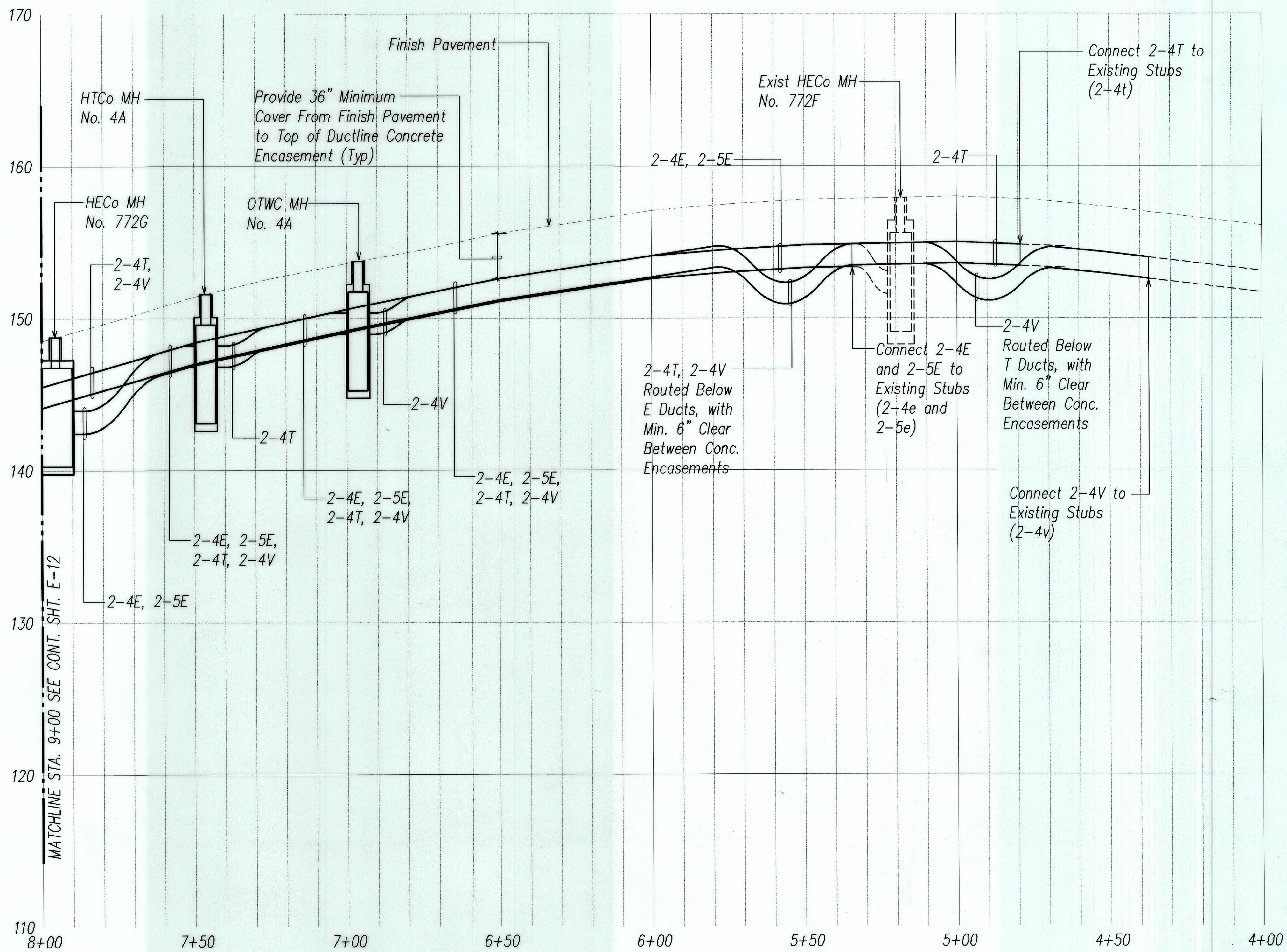
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTES	

APPROVED BY:	
HAWAIIAN ELECTRIC COMPANY (HECO)	DATE
HAWAIIAN TELECOM (HTCO)	DATE
OCEANIC TIME WARNER CABLE (OTWC)	DATE



02/09/2010	Added JTS Ductline and Manholes; Added 2" HTCo Ductline System
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PARTIAL ELECTRICAL PROFILE II	
Kalaniana'ole Highway Improvements Retaining Wall at Makapuu, Oahu Federal Aid Project No. NH-072-1 (51)	
SCALE: AS NOTED	DATE: APR. 2007
SHEET No. E-12 OF 18 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1 (51)	2007	53	106



DATE	DESIGNED BY	CHECKED BY
8/25/07	8/25/07	8/25/07
8/25/07	8/25/07	8/25/07
8/25/07	8/25/07	8/25/07
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8/25/07	8/25/07	8/25/07
8/25/07	8/25/07	8/25/07
8/25/07	8/25/07	8/25/07

PARTIAL ELECTRICAL PROFILE III
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

DRAWING REVIEW
Reviewed for HECO's Facilities Only
Date: 8/25/07 By: [Signature]
Engineering Department
Hawaiian Electric Company, Inc.
HECO's review of these drawings shall in no way relieve the Customer, its Consultant, its Contractor or anyone acting on the Customer's behalf from the responsibility for engineering, design, materials and any other liability associated with this project.

APPROVED BY:
HAWAIIAN ELECTRIC COMPANY (HECO)
HAWAIIAN TELCOM (HTC)
OCEANIC TIME WARNER CABLE (OTWC)
DATE: 8/25/07
DATE: 08-02-07

RONALD N. S. HO & ASSOC., INC.
ELECTRICAL ENGINEERS
ANDREW I. MIYASATO
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No. 4340-E
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Signature: [Signature]
Expiration Date of the License: 04-30-08

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL ELECTRICAL PROFILE III
Kalaniana'ole Highway Improvements
Retaining Wall at Makapuu, Oahu
Federal Aid Project No. NH-072-1 (51)
SCALE: AS NOTED
DATE: APR. 2007
SHEET No. E-13 OF 18 SHEETS

