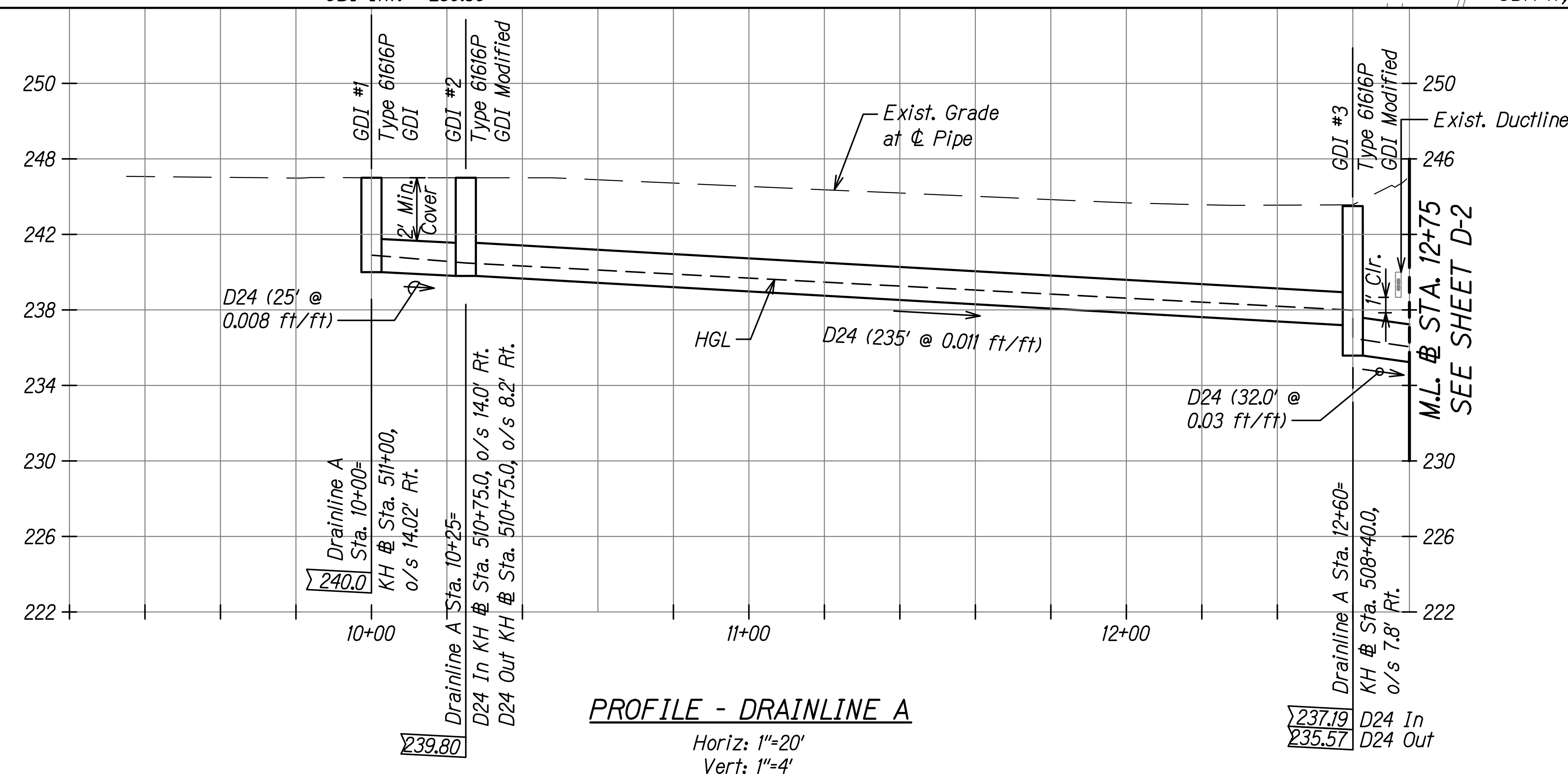
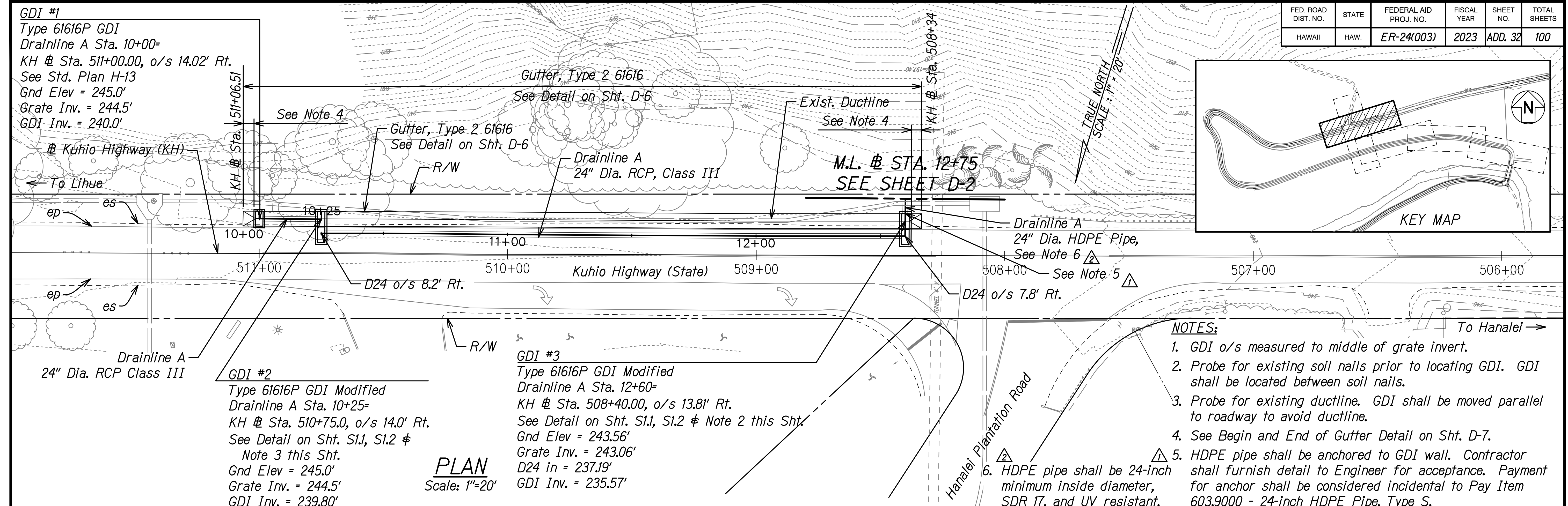
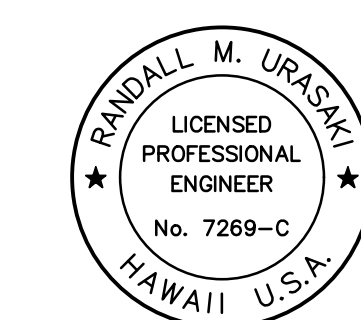


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	ADD. 32	100



12/14/22	<u>2</u> Revised callout and added note
12/8/22	<u>1</u> Added note 5 and revised callout
<i>Date</i>	<i>Revision</i>



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Rudolf M. Ober 04/30/2014

SIGNATURE EXPIRATION DATE

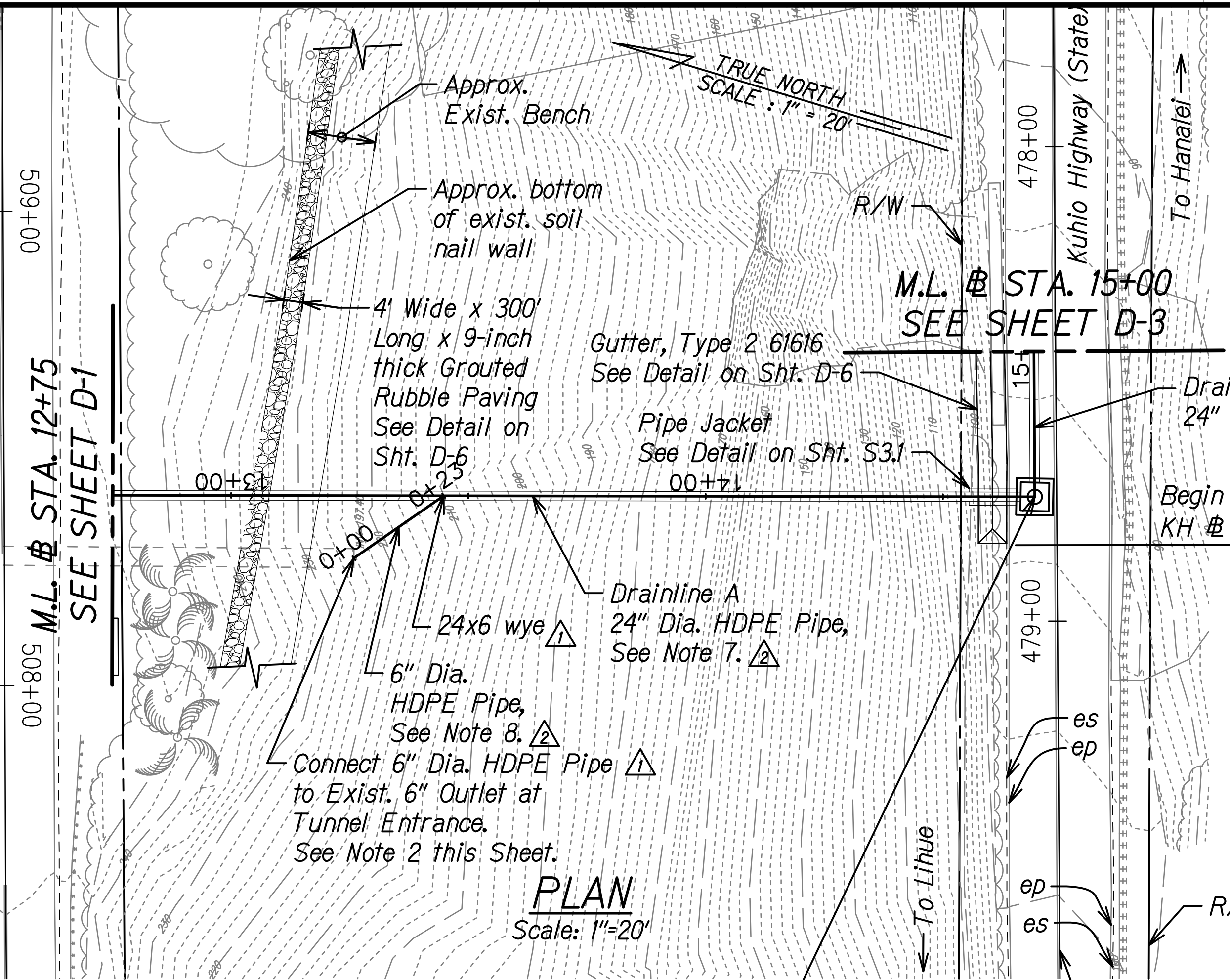
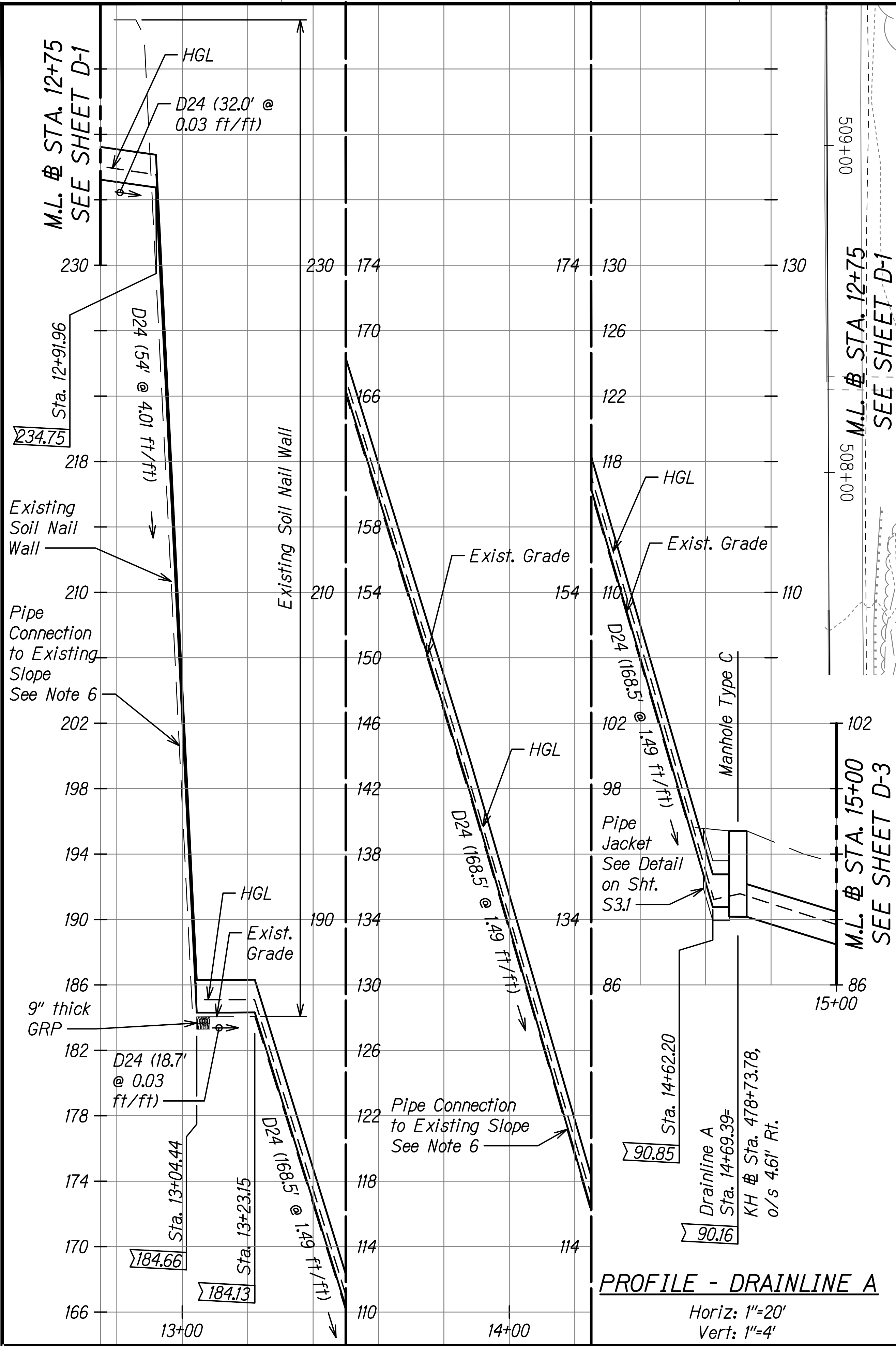
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINLINE
PLAN AND PROFILE
KUHIO HIGHWAY
Emergency Slope Stabilization
for Hanalei Hills and Waikoko
F.A.P. Project No. ER-24(003)

Scale: As Shown Date: Sept. 2022

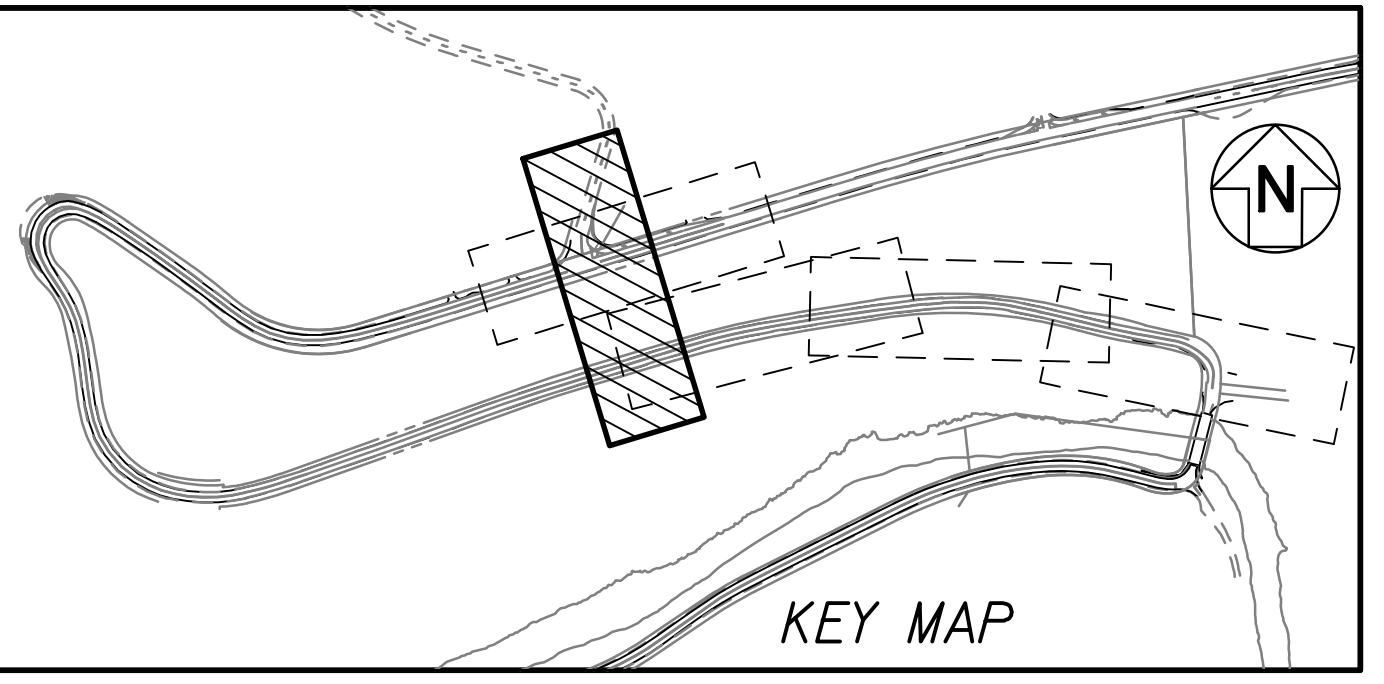
SHEET No. *D-1* OF *7* SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	ADD. 33	100



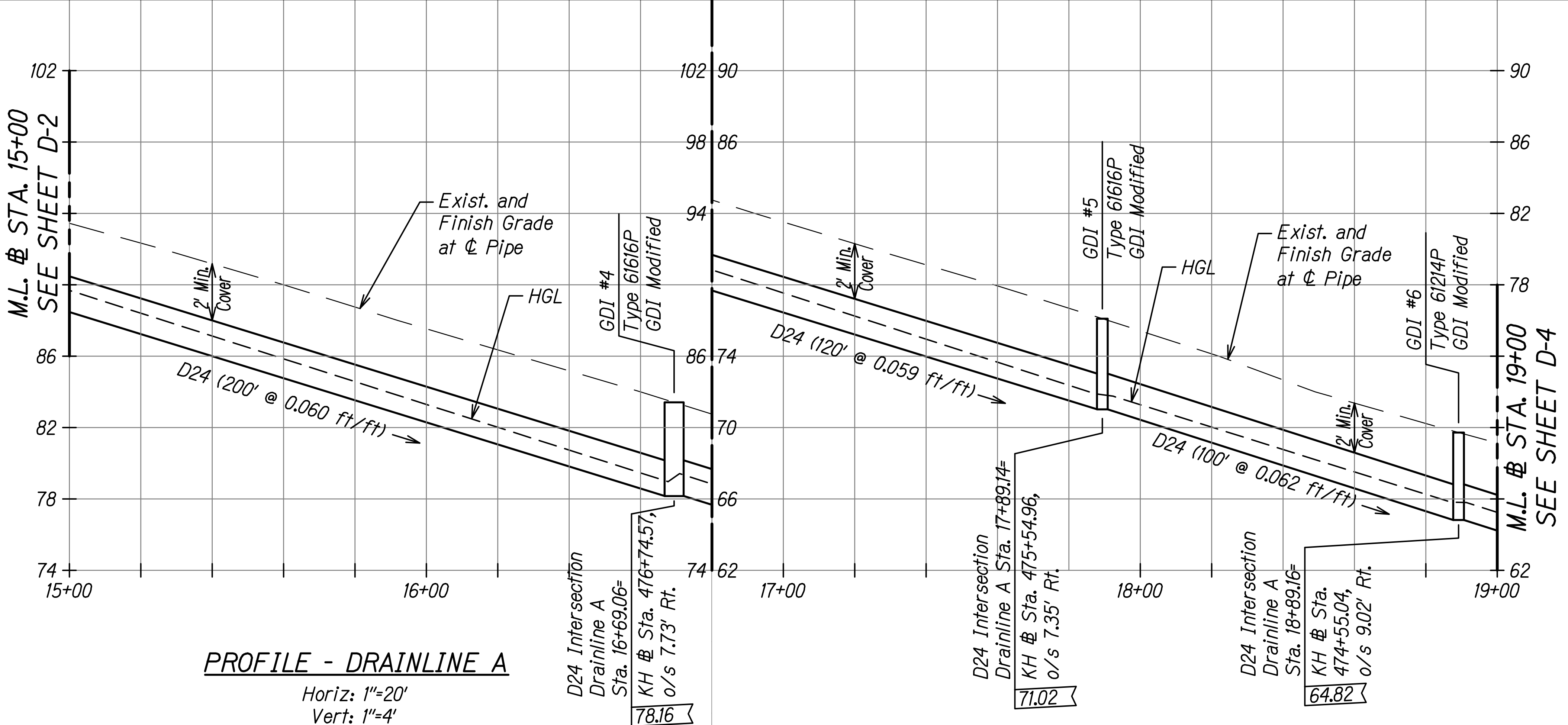
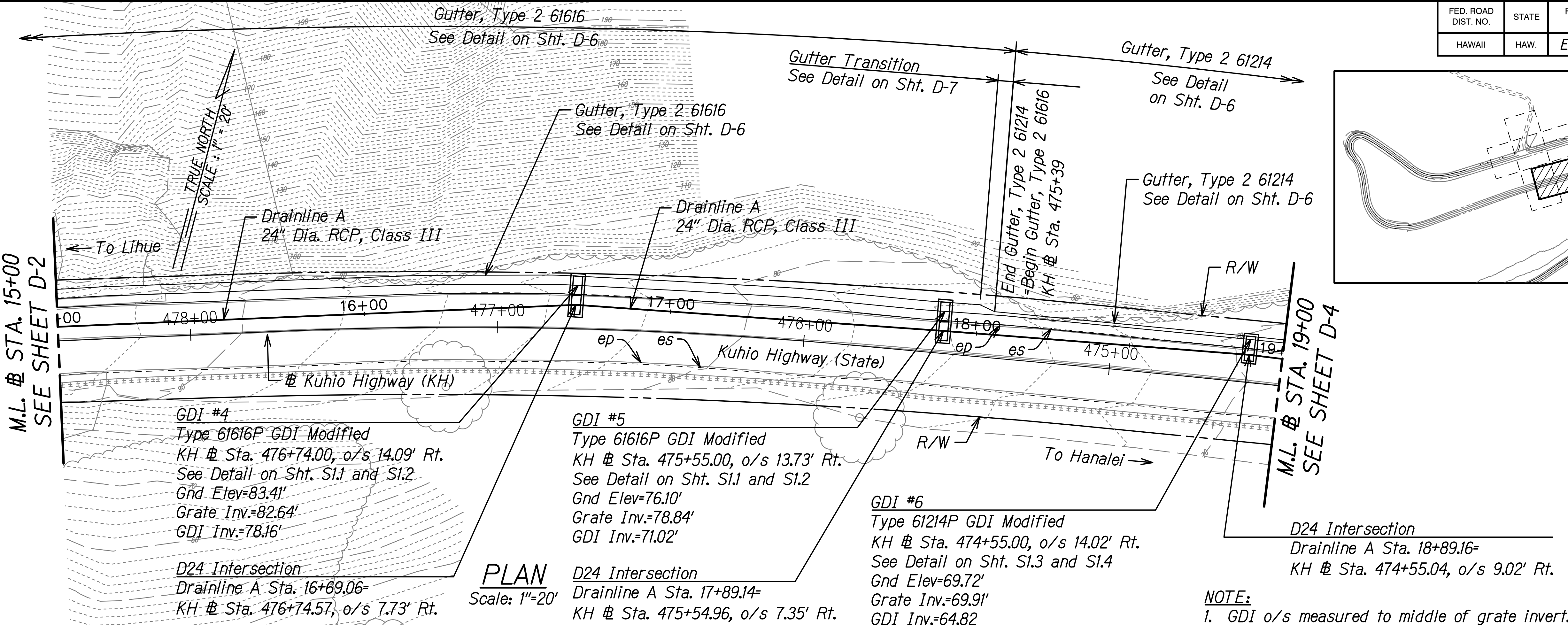
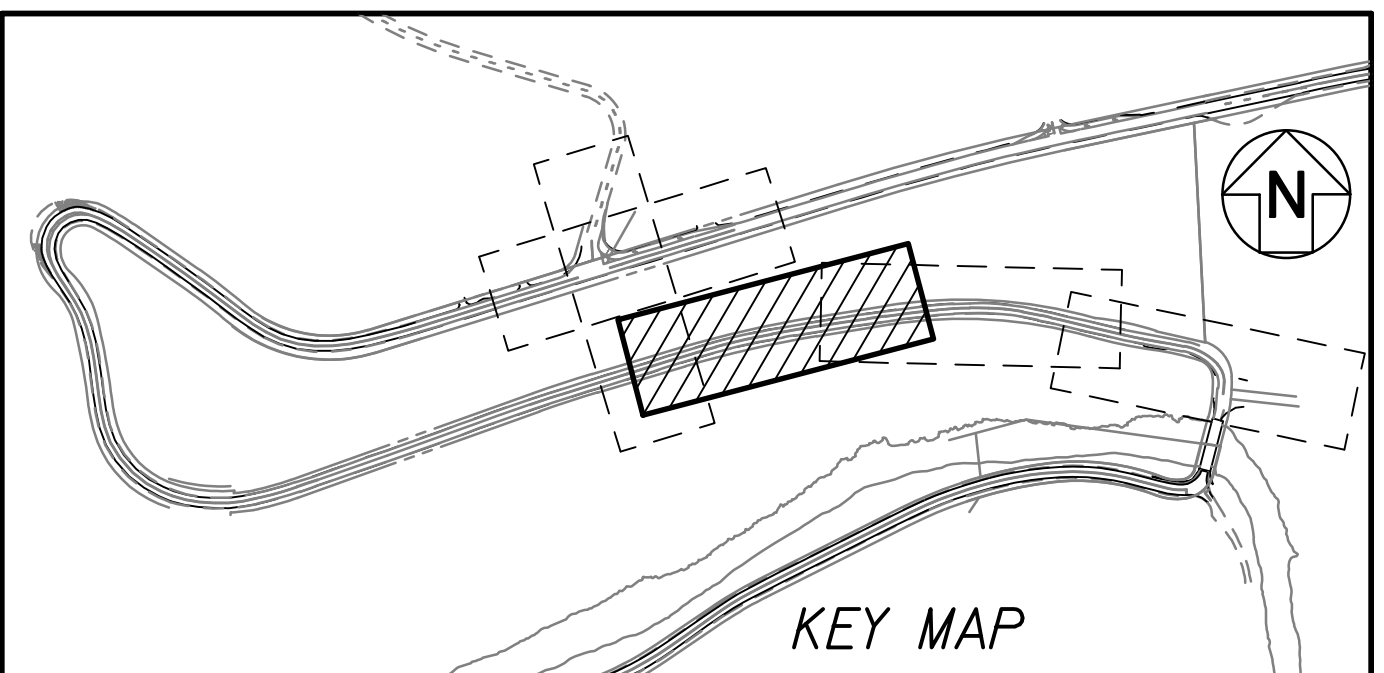
NOTES:

- Contractor shall verify existing slope, then determine and acquire required fittings needed for the 24-inch HDPE pipe.
- Contractor shall provide material and labor to make connection to existing pipe at tunnel entrance. Payment shall be incidental to the 24-inch diameter HDPE drain pipe.
- Payment for 6-inch diameter HDPE pipe shall be incidental to the 24-inch diameter HDPE drain pipe.
- Payment for all fittings for HDPE drain pipe shall be incidental to the 24-inch diameter HDPE drain pipe.
- Payment for pipe jacket shall be incidental to the 24-inch diameter HDPE drain pipe.
- For Pipe Connection to Existing Slope, See Concrete Pipe Anchor Block Detail on Sheet S2.1.
- HDPE pipe shall be 24-inch minimum inside diameter, SDR 17, and UV resistant.
- HDPE pipe shall be 6-inch minimum inside diameter, SDR 17, and UV resistant. Provide connection to existing slope. Payment for connection to existing slope shall be incidental to the 24-inch diameter HDPE drain pipe.

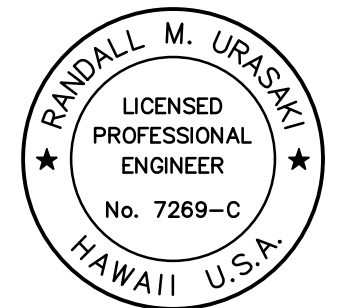


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINLINE
PLAN AND PROFILE
KUHIO HIGHWAY
Emergency Slope Stabilization
for Hanalei Hills and Waikoko
F.A.P. Project No. ER-24(003)
Scale: As Shown Date: Sept. 2022
SHEET No. D-2 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	34	100



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



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Randall M. Urasky
SIGNATURE
04/30/24
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

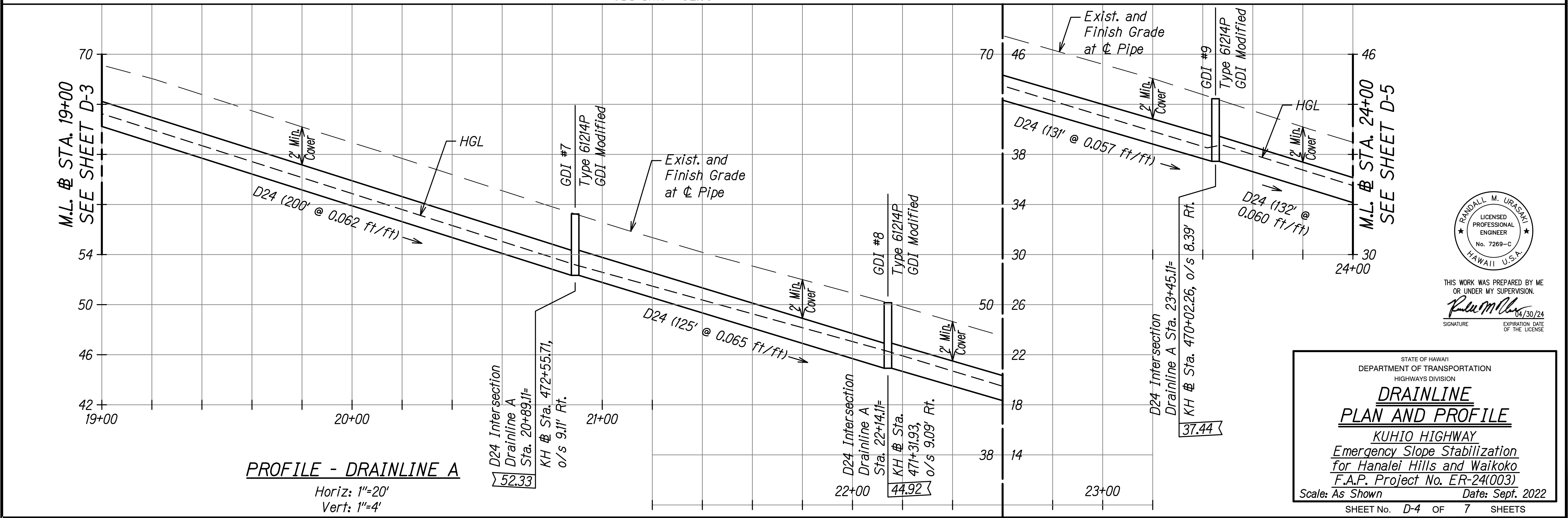
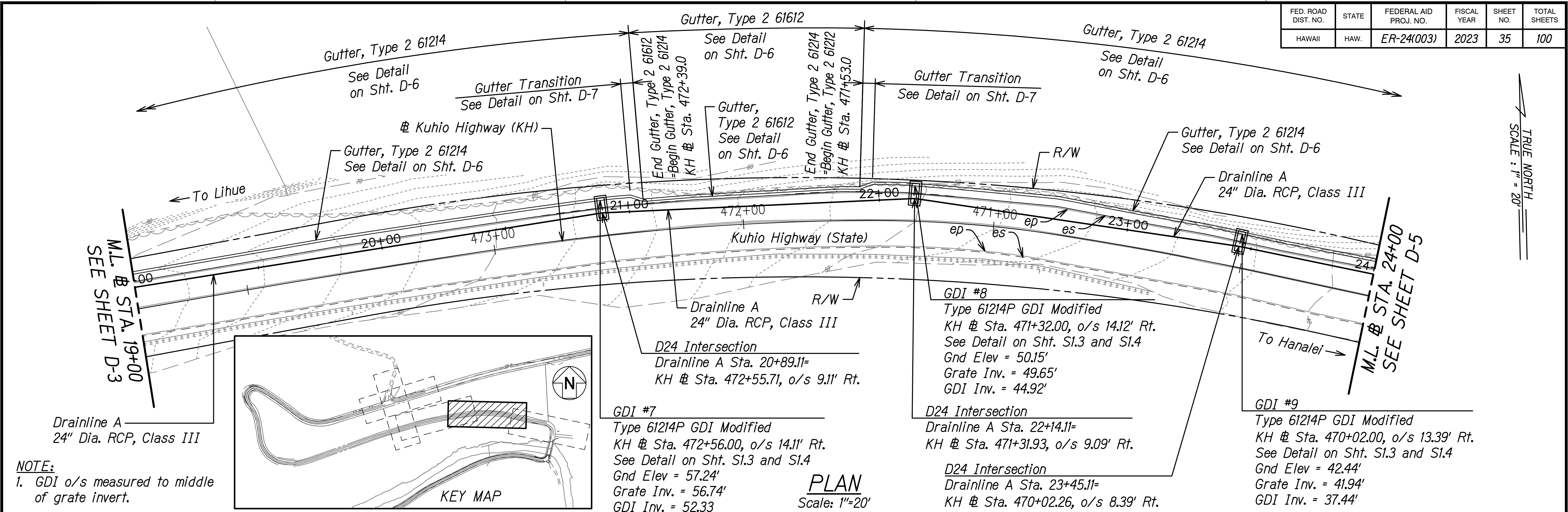
DRAINLINE
PLAN AND PROFILE

KUHIO HIGHWAY
Emergency Slope Stabilization
for Hanalei Hills and Waikoko
F.A.P. Project No. ER-24(003)

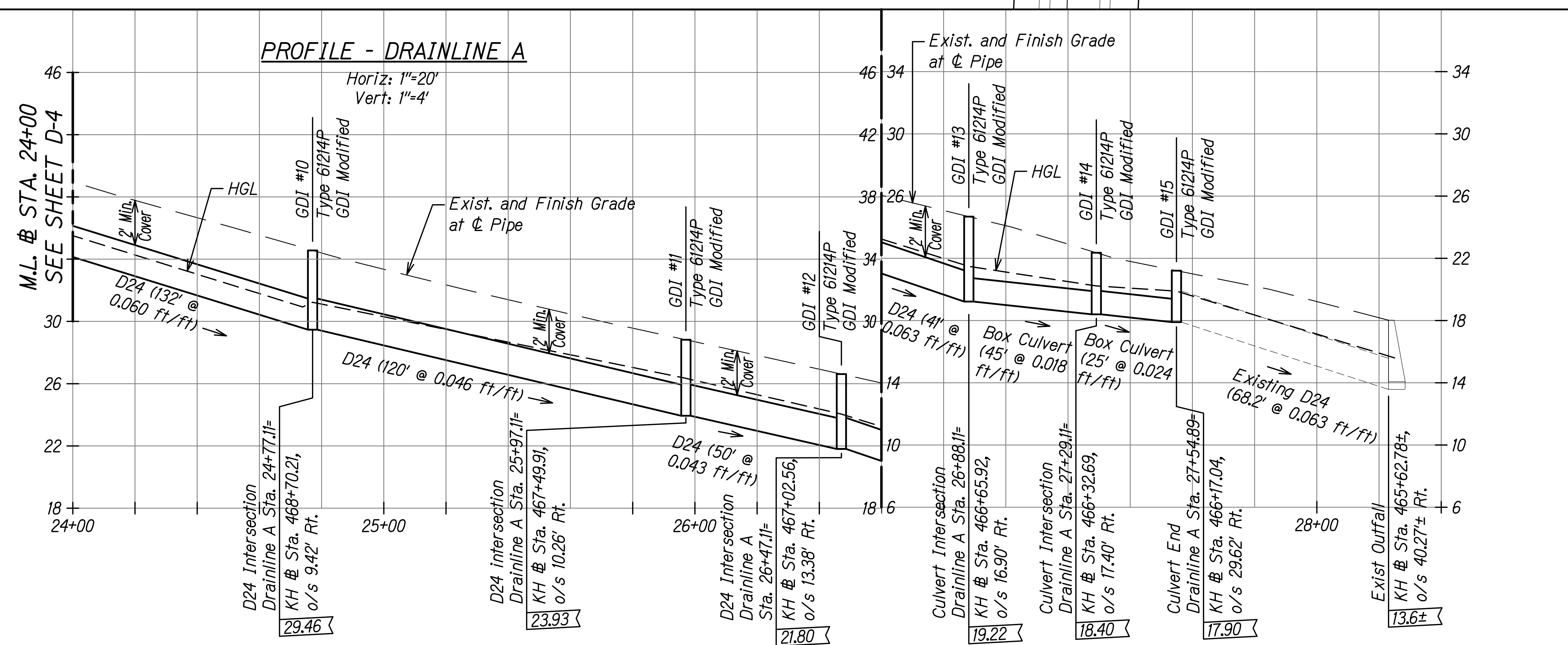
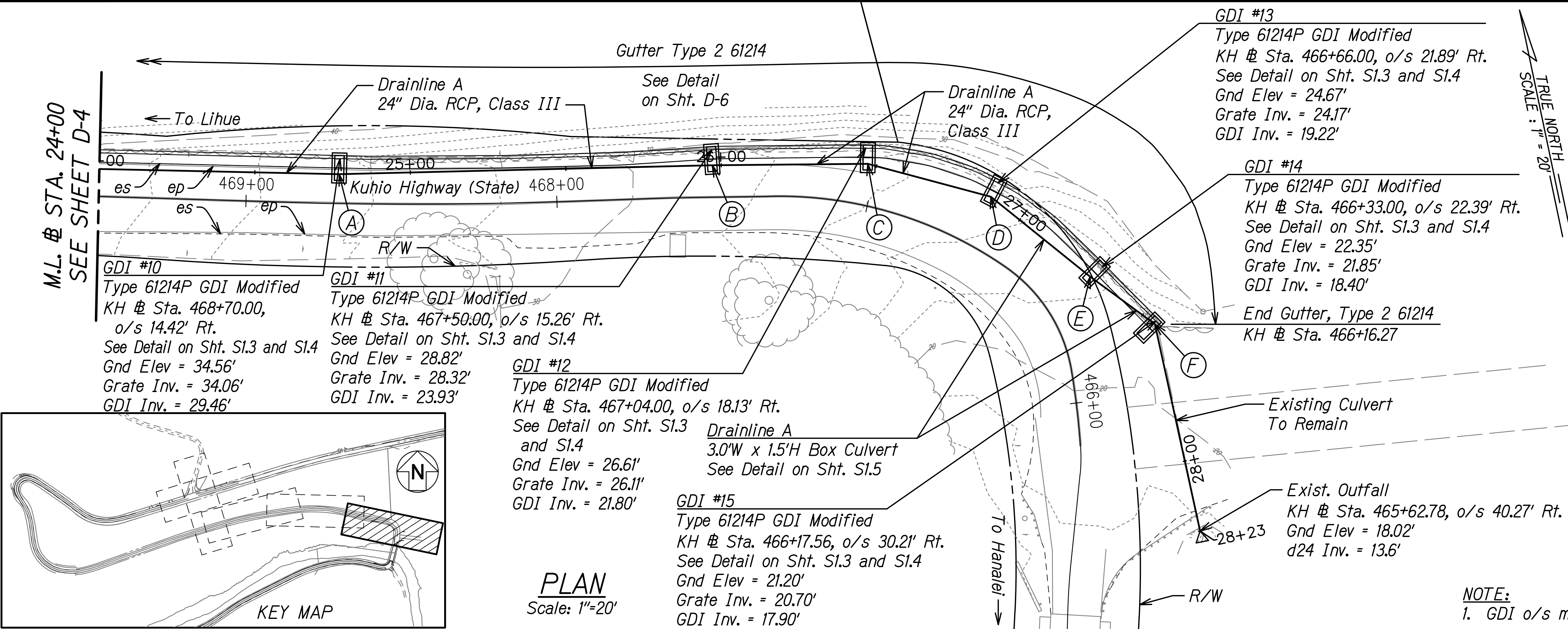
Scale: As Shown
Date: Sept. 2022

SHEET No. D-3 OF 7 SHEETS

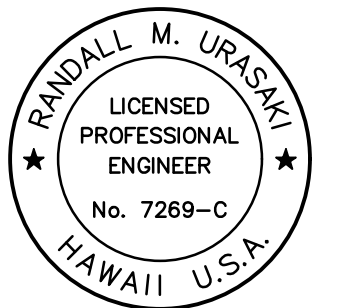
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	35	100



FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	36	100



DATE	_____
DESIGNED BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
No.	_____



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 Signature: *Randall M. Uraski*
 EXPIRATION DATE OF THE LICENSE: 04/30/24

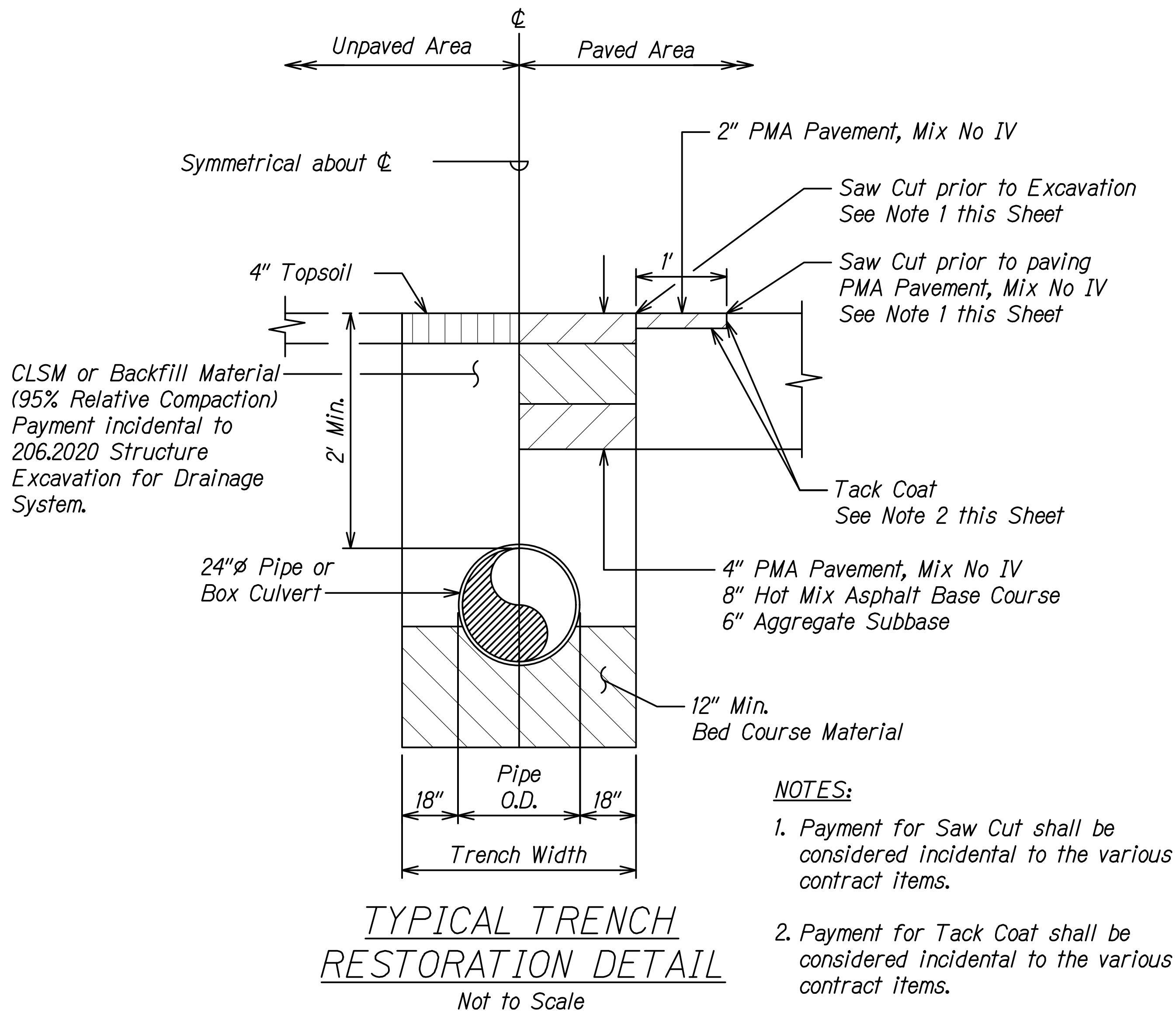
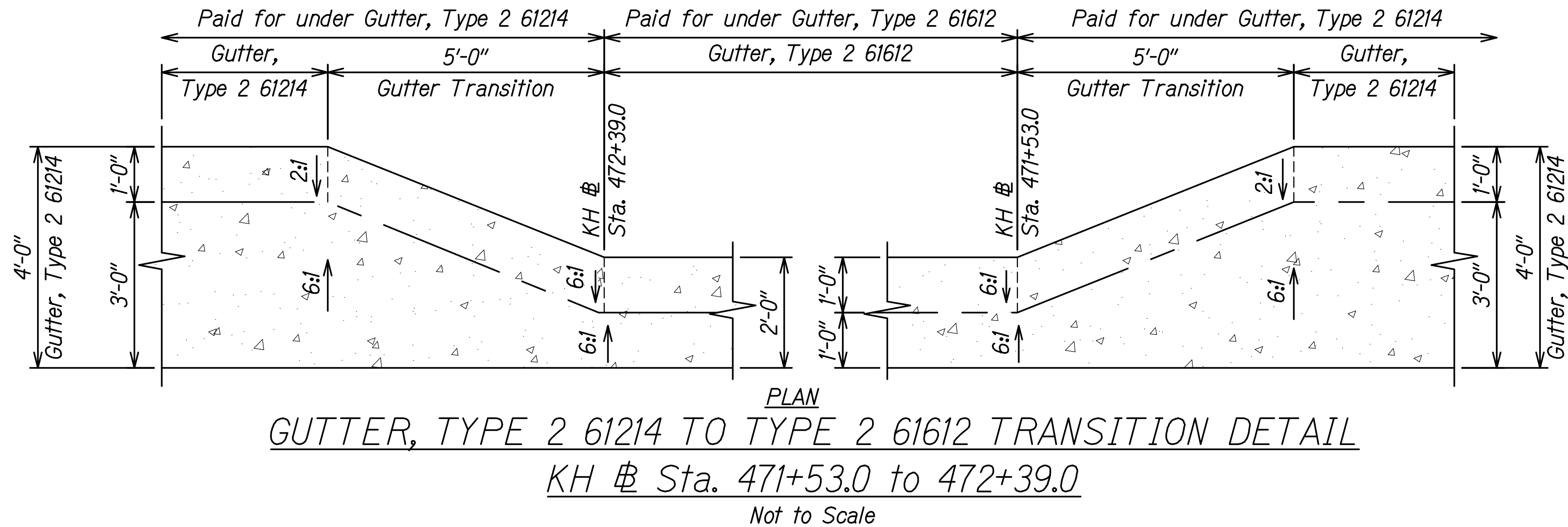
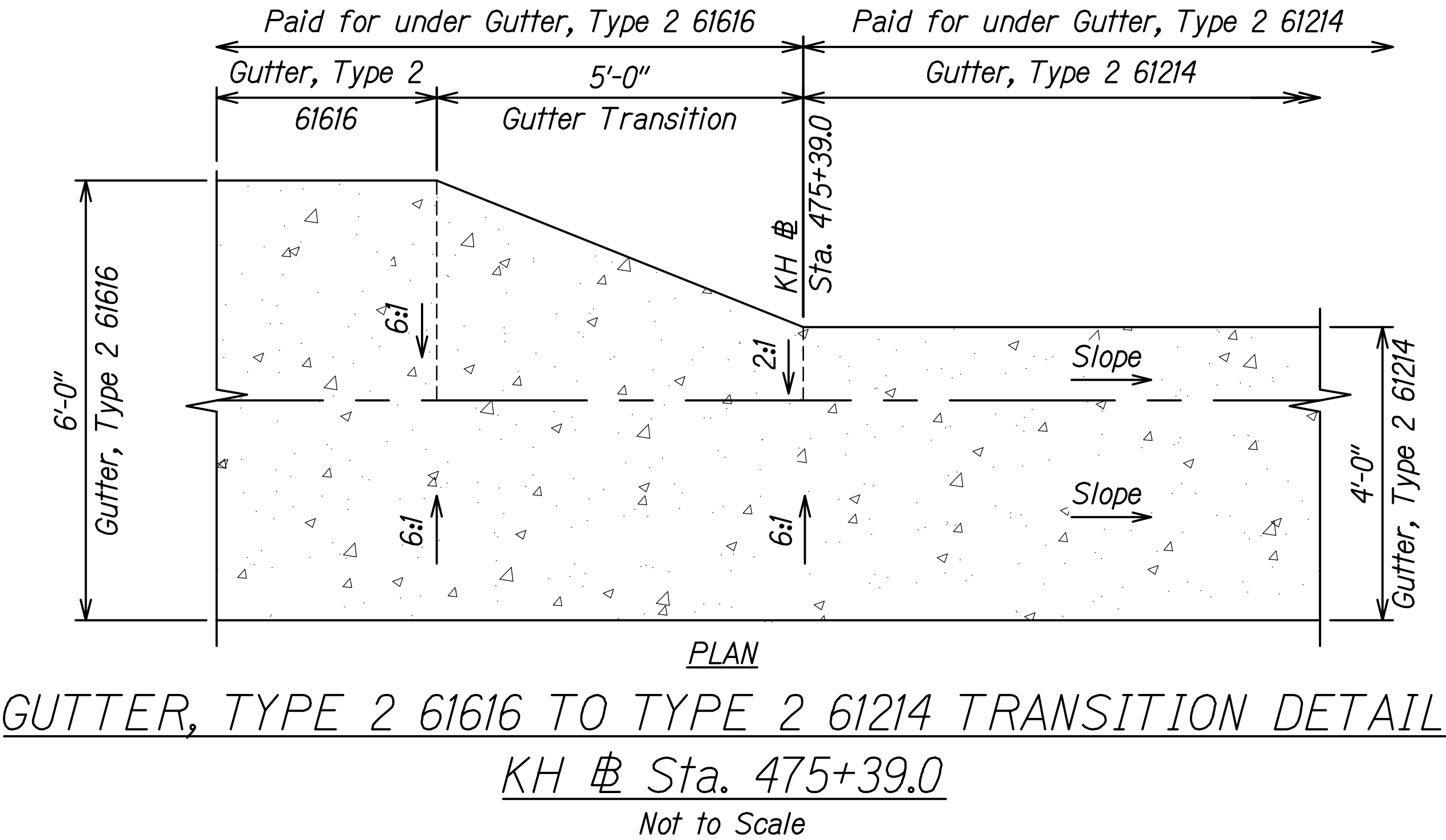
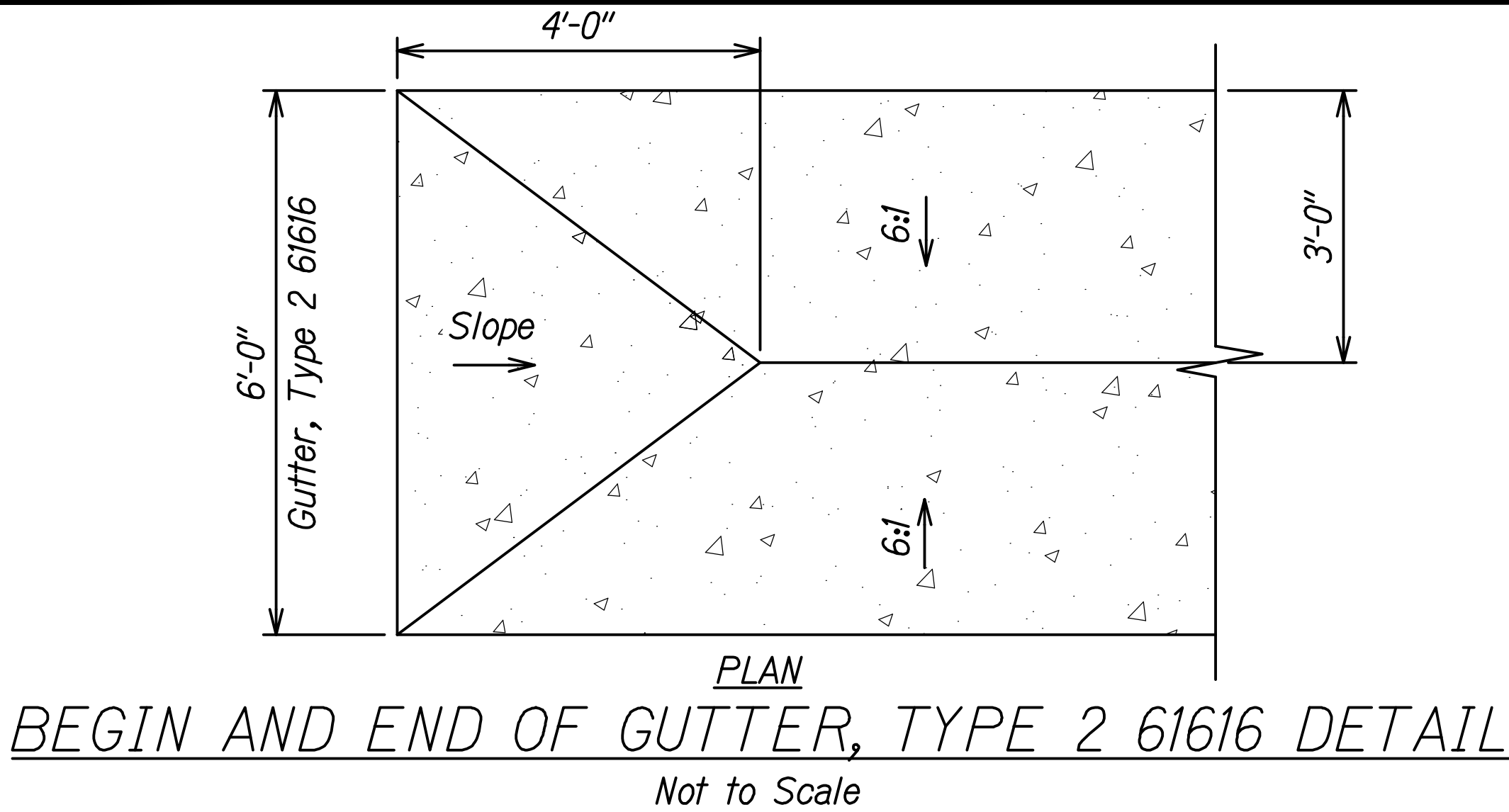
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

DRAINLINE
PLAN AND PROFILE
KUHIO HIGHWAY
Emergency Slope Stabilization
for Hanalei Hills and Waikoko
F.A.P. Project No. ER-24(003)

Scale: As Shown Date: Sept. 2022

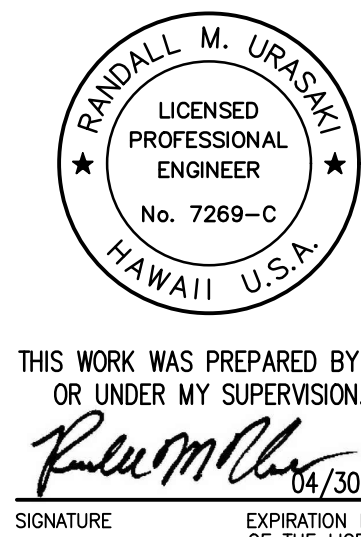
SHEET No. D-5 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	38	100



- NOTES:**
1. Payment for Saw Cut shall be considered incidental to the various contract items.
 2. Payment for Tack Coat shall be considered incidental to the various contract items.
 3. Culvert Excavation shall be paid under Pay Item 206.2020 Structure Excavation for Drainage System.

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



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MISCELLANEOUS DRAINAGE DETAILS
KUHIO HIGHWAY
Emergency Slope Stabilization
for Hanalei Hills and Waikoko
F.A.P. Project No. ER-24(003)
Scale: As Noted
Date: Sept. 2022

SHEET No. D-7 OF 7 SHEETS