

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

**ADDENDUM NO. 1
FOR
KUHIO HIGHWAY
EMERGENCY SLOPE STABILIZATION
FOR HANAIEI HILLS AND WAIKOKO
FEDERAL-AID PROJECT NO. ER-24(003)**

**DISTRICT OF HANAIEI
ISLAND OF KAUAI
FY 2023**

The following amendments shall be made to the Bid Documents:

A. PLANS:

1. Replace Plan Sheet Nos. 26, 27, 28, 32, 33, 40 and 44 with the attached Plan Sheet Nos. ADD. 26, ADD. 27, ADD. 28, ADD. 32, ADD. 33, ADD. 40 and ADD. 44 dated 12/8/22.

B. SPECIAL PROVISIONS:

1. Replace the **TABLE OF CONTENTS**, dated 11/8/22 with the attached **TABLE OF CONTENTS**, dated r12/08/22.
2. Replace **SECTION 107 – LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC**, pages 107-1a to 107-5a, dated 9/02/22 with the attached **SECTION 107 – LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC**, pages 107-1a to 107-6a, dated r12/08/22.
3. Replace **SECTION 603 – CULVERTS AND STORM DRAINS**, pages 603-1a to 603-5a, dated 9/02/22 with the attached **SECTION 603 – CULVERTS AND STORM DRAINS**, pages 603-1a to 603-5a, dated r12/08/22.
4. Replace **PROPOSAL** pages P-8 to P-17, dated 9/02/22 and page P-18, dated 09/28/18 with the attached **PROPOSAL** page P-8, dated r12/1/22, and pages P-9 to P-19, dated r12/08/22.

C. PRE-BID MEETING MINUTES

Attached, for your information:

1. Pre-Bid Meeting minutes, attendance list, and questions from the November 23, 2022 non-mandatory pre-bid meeting.

Attached are responses to questions posted on HiePRO as of December 1, 2022.

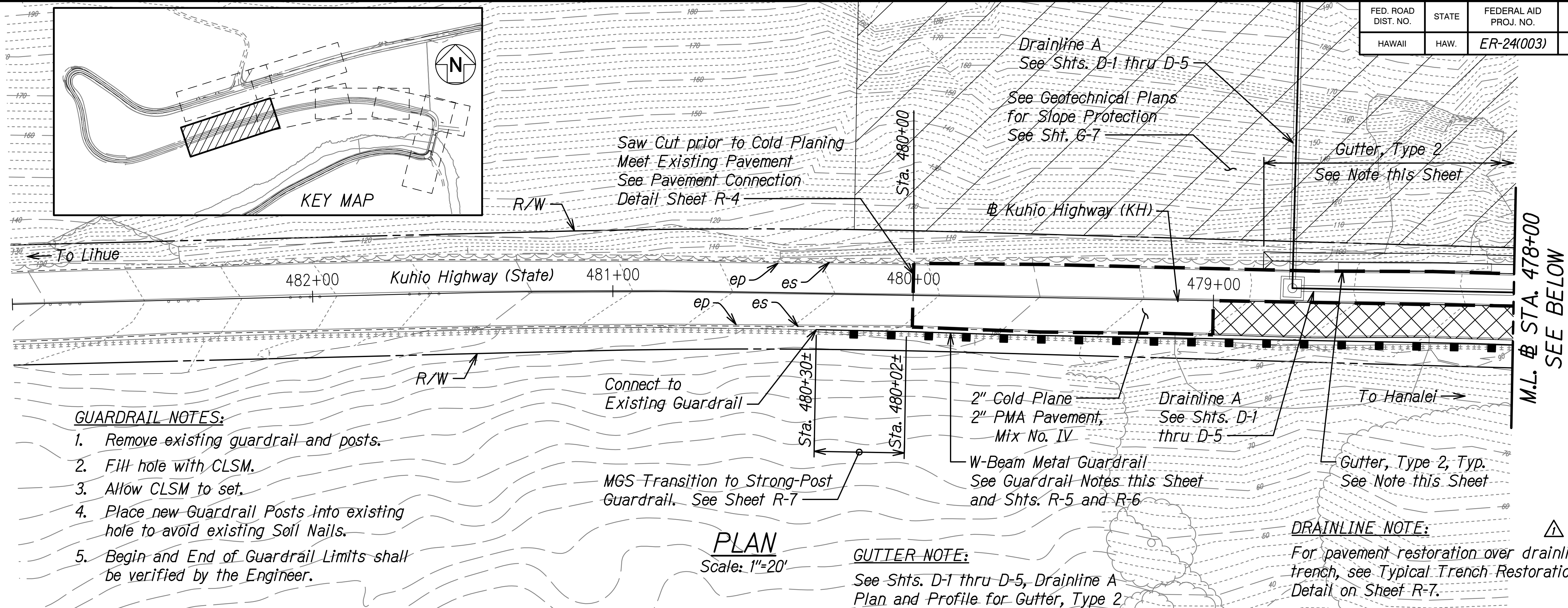
Please acknowledge receipt of this Addendum No. 1 by recording the date of its receipt in the space provided on page P-4 of the Proposal.



EDWIN H. SNIFFEN
Director of Transportation

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	ADD. 26	100

TRUE NORTH
SCALE: 1" = 20'



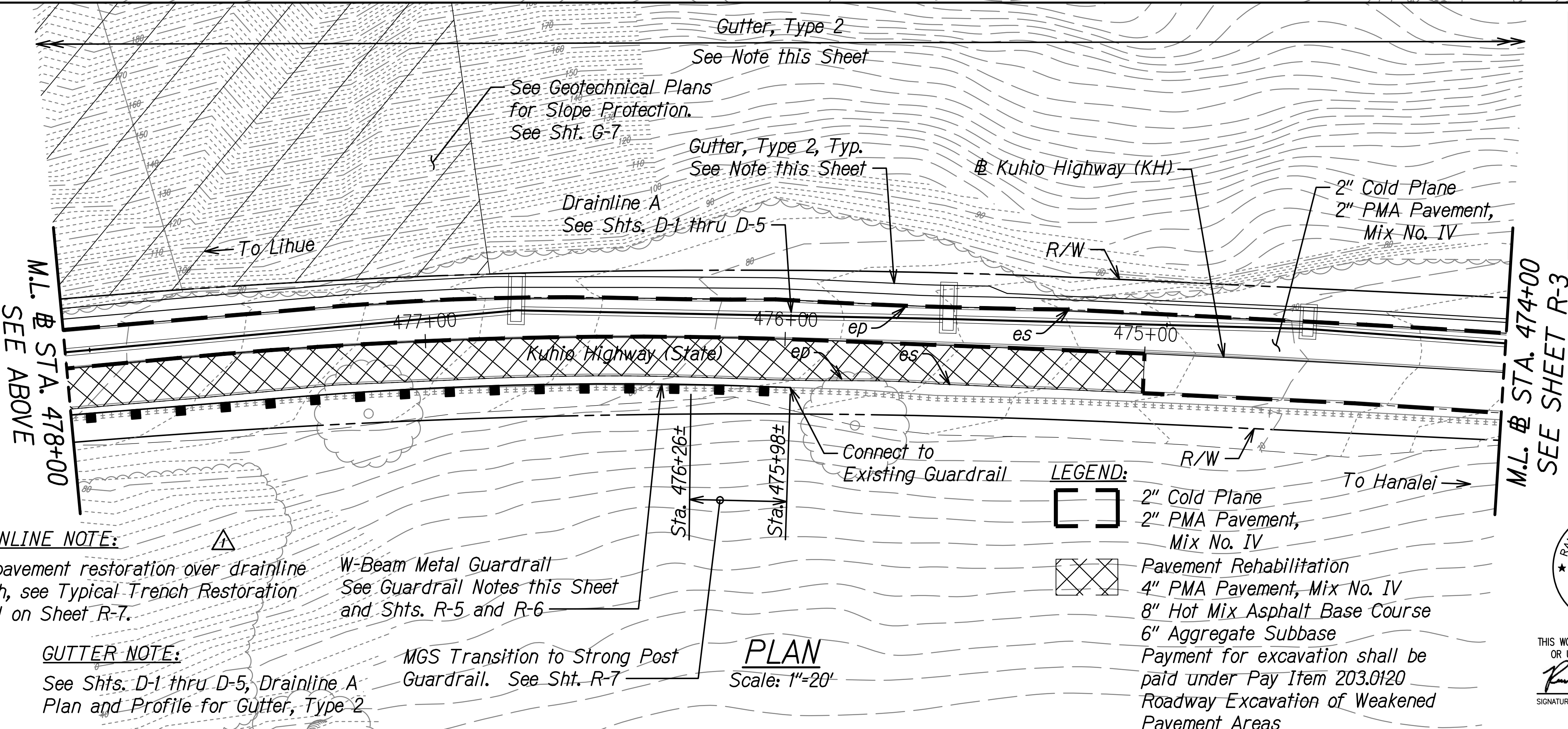
- GUARDRAIL NOTES:**
1. Remove existing guardrail and posts.
 2. Fill hole with CLSM.
 3. Allow CLSM to set.
 4. Place new Guardrail Posts into existing hole to avoid existing Soil Nails.
 5. Begin and End of Guardrail Limits shall be verified by the Engineer.

PLAN
Scale: 1"=20'

GUTTER NOTE:
See Shts. D-1 thru D-5, Drainline A Plan and Profile for Gutter, Type 2

DRAINLINE NOTE:
For pavement restoration over drainline trench, see Typical Trench Restoration Detail on Sheet R-7.

TRUE NORTH
SCALE: 1" = 20'



- DRAINLINE NOTE:**
For pavement restoration over drainline trench, see Typical Trench Restoration Detail on Sheet R-7.
- GUTTER NOTE:**
See Shts. D-1 thru D-5, Drainline A Plan and Profile for Gutter, Type 2

PLAN
Scale: 1"=20'

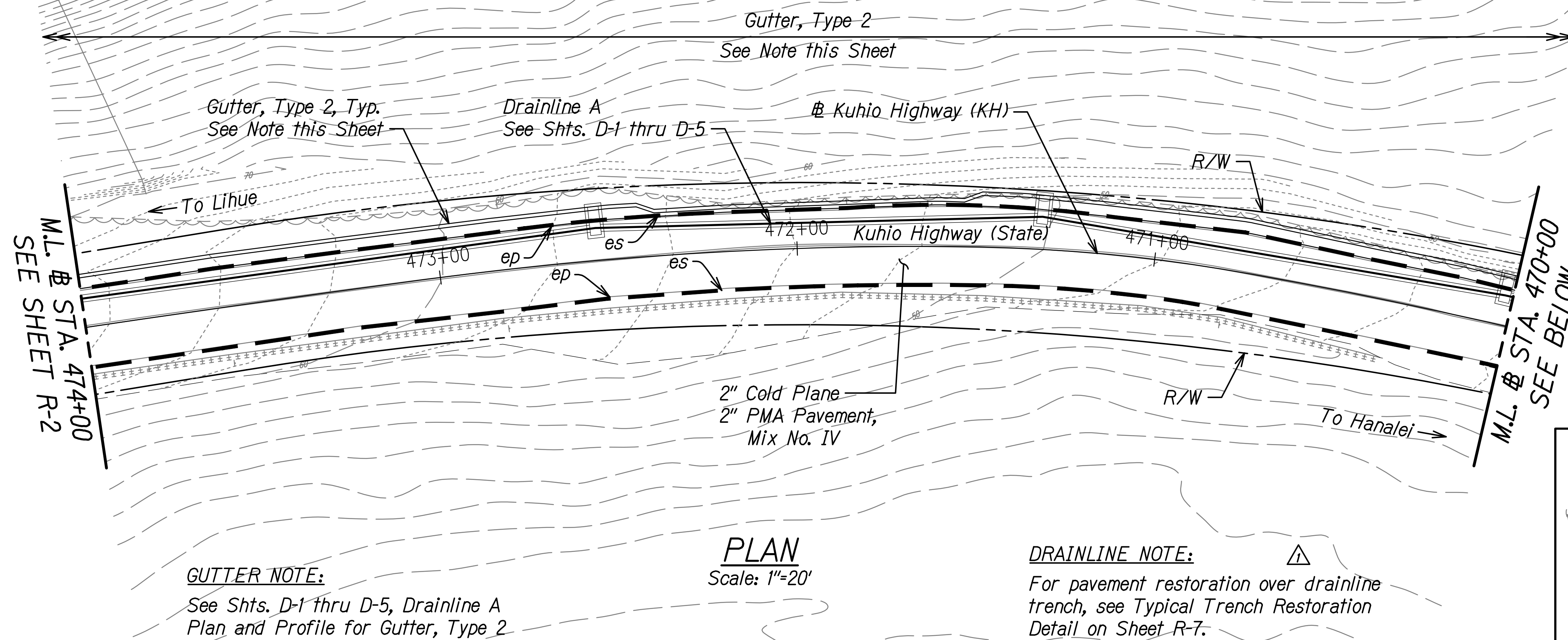
- LEGEND:**
- [] 2" Cold Plane
 - [] 2" PMA Pavement, Mix No. IV
 - [X] Pavement Rehabilitation
 - [X] 4" PMA Pavement, Mix No. IV
 - [X] 8" Hot Mix Asphalt Base Course
 - [X] 6" Aggregate Subbase
- Payment for excavation shall be paid under Pay Item 203.0120 Roadway Excavation of Weakened Pavement Areas

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

12/8/22	Added Drainline Note
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ROADWAY PLAN HANAIEI HILLS KUHIO HIGHWAY Emergency Slope Stabilization For Hanalei Hills and Waikoko F.A.P. Project No. ER-24(003) Scale: 1"=20' Date: Sept. 2022	
SHEET No. R-2 OF 7 SHEETS	

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

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	ADD. 27	100

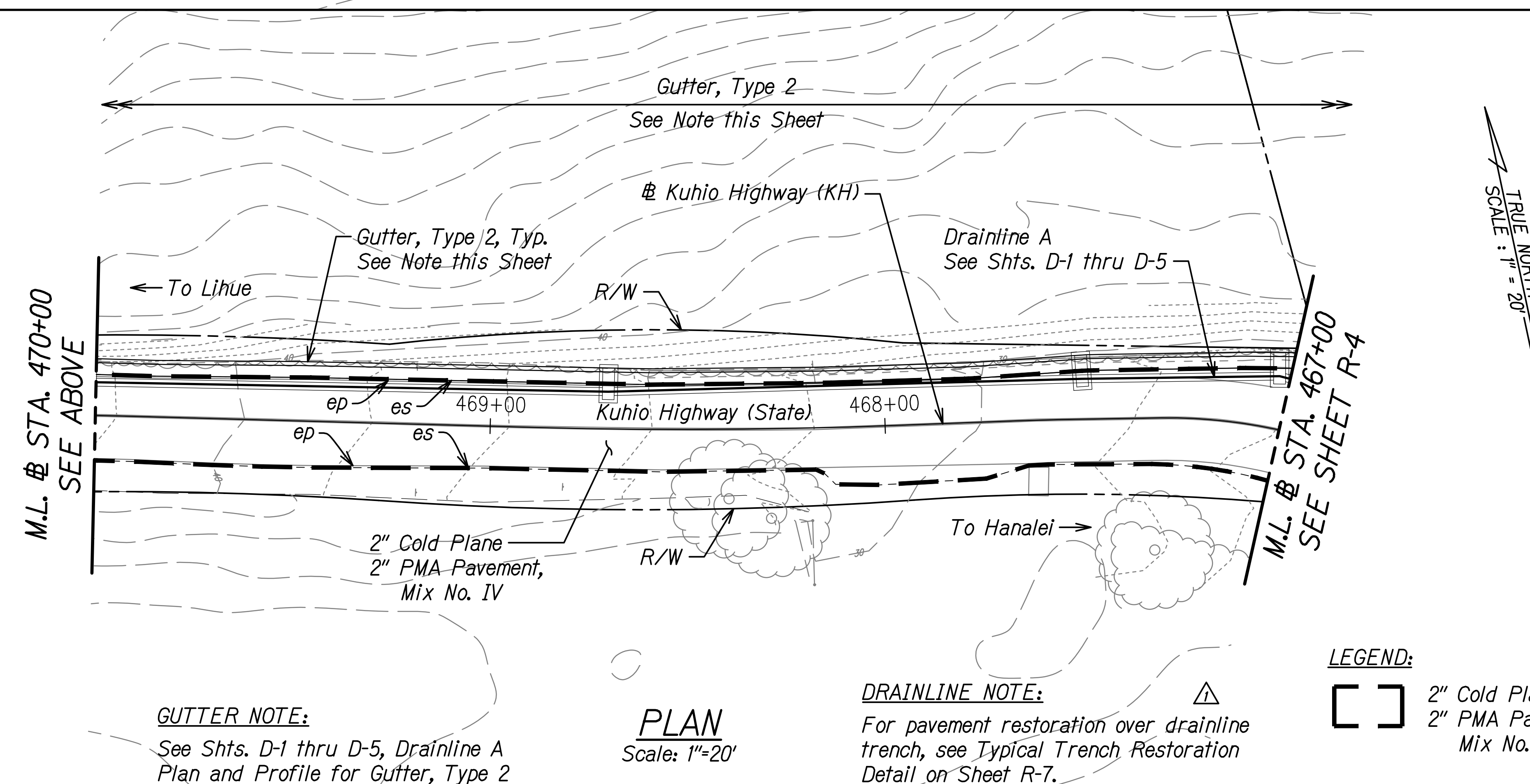
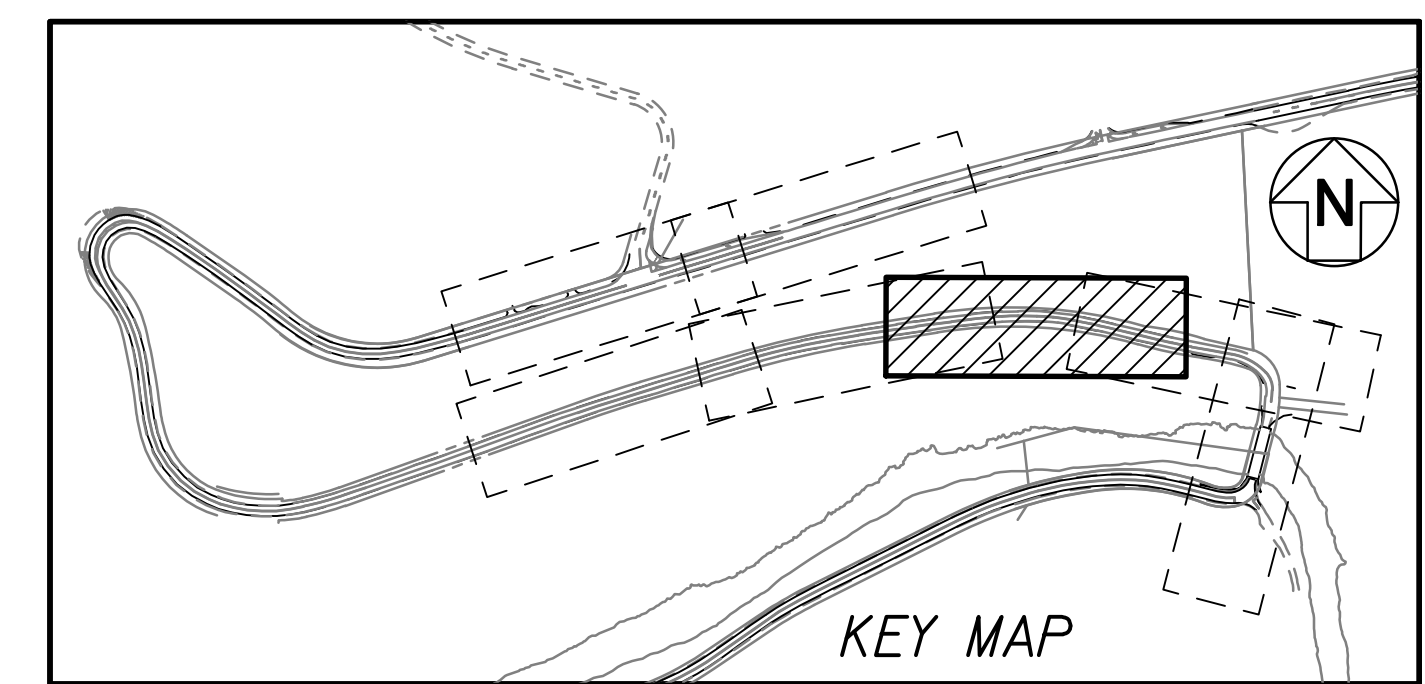


GUTTER NOTE:
See Shts. D-1 thru D-5, Drainline A Plan and Profile for Gutter, Type 2

PLAN
Scale: 1"=20'

DRAINLINE NOTE:
For pavement restoration over drainline trench, see Typical Trench Restoration Detail on Sheet R-7.

TRUE NORTH
SCALE: 1" = 20'



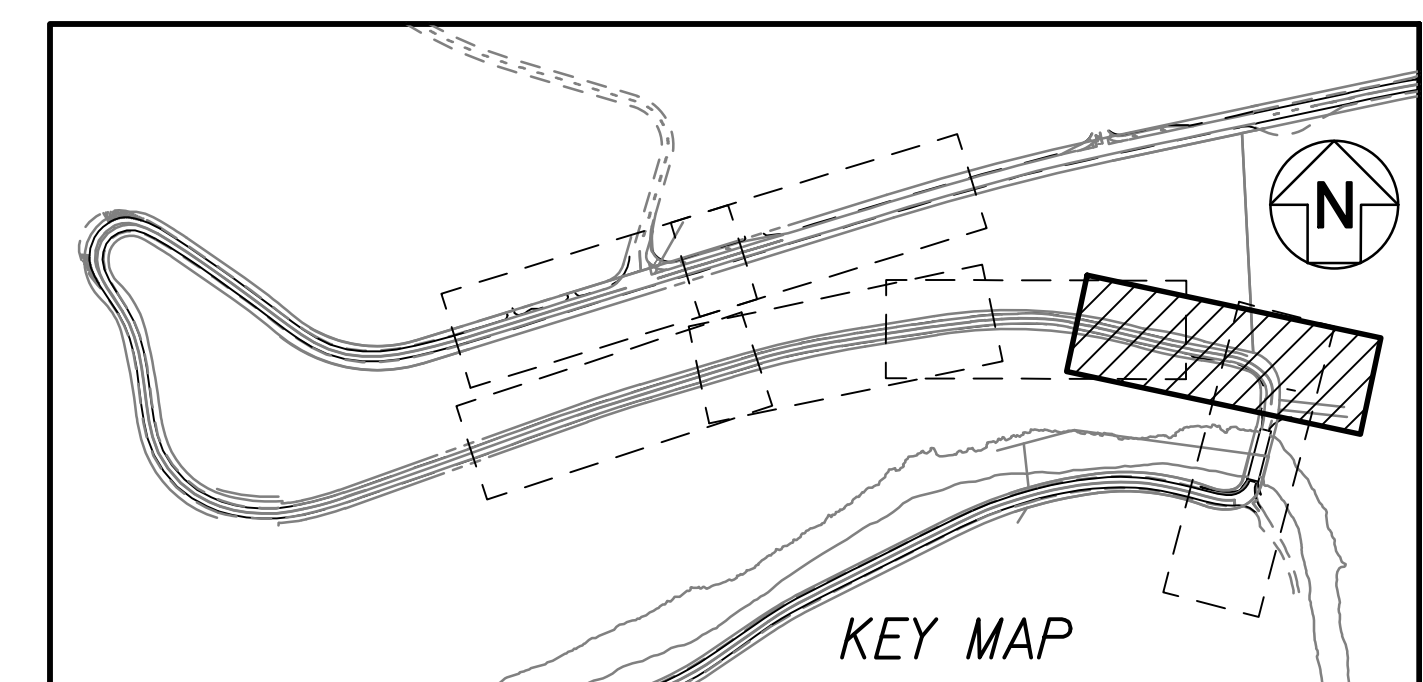
GUTTER NOTE:
See Shts. D-1 thru D-5, Drainline A Plan and Profile for Gutter, Type 2

PLAN
Scale: 1"=20'

DRAINLINE NOTE:
For pavement restoration over drainline trench, see Typical Trench Restoration Detail on Sheet R-7.

LEGEND:
[] 2" Cold Plane
[] 2" PMA Pavement, Mix No. IV

TRUE NORTH
SCALE: 1" = 20'



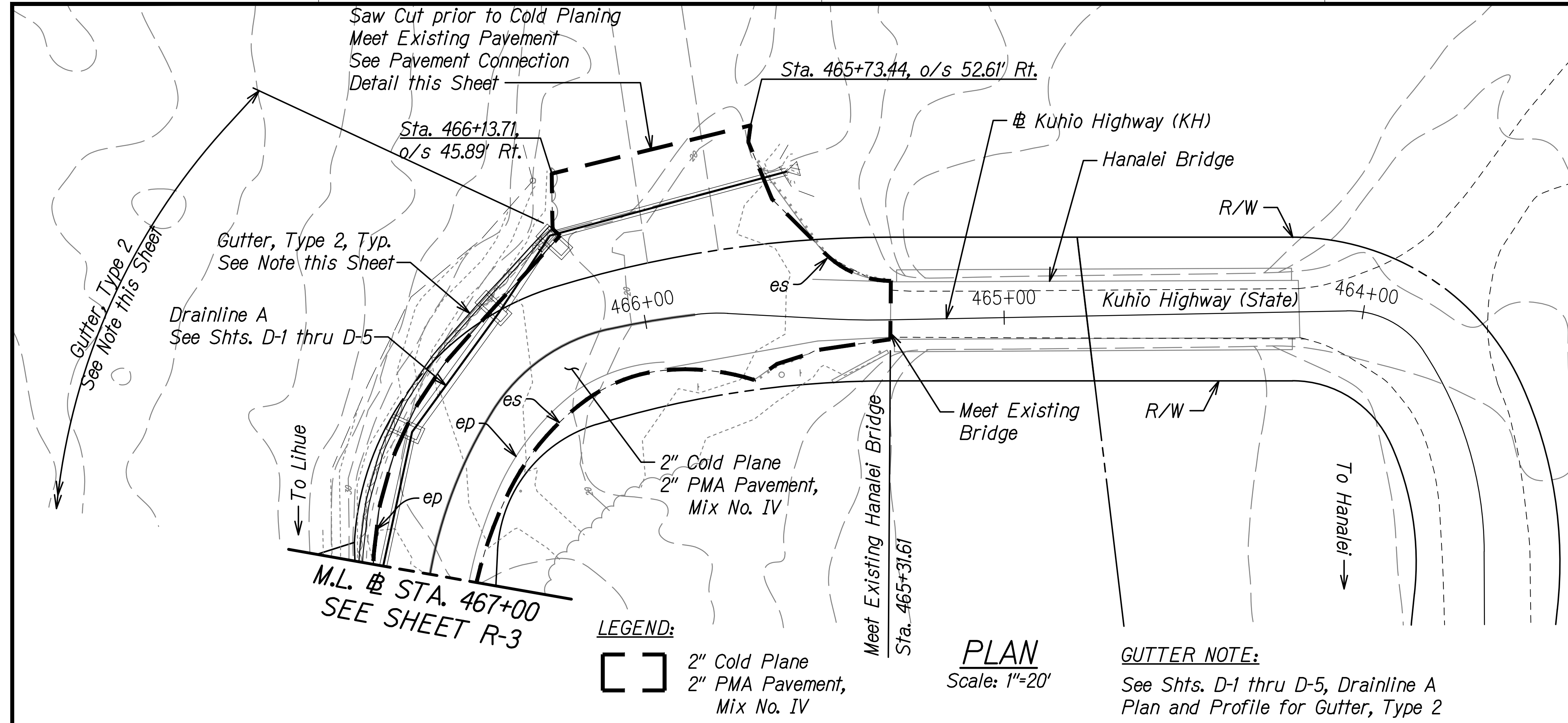
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SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
No.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
HANAIEI HILLS
KUHIO HIGHWAY
Emergency Slope Stabilization
For Hanalei Hills and Waikoko
F.A.P. Project No. ER-24(003)
Scale: 1"=20' Date: Sept. 2022

12/8/22	Added Drainline Note
Date	Revision

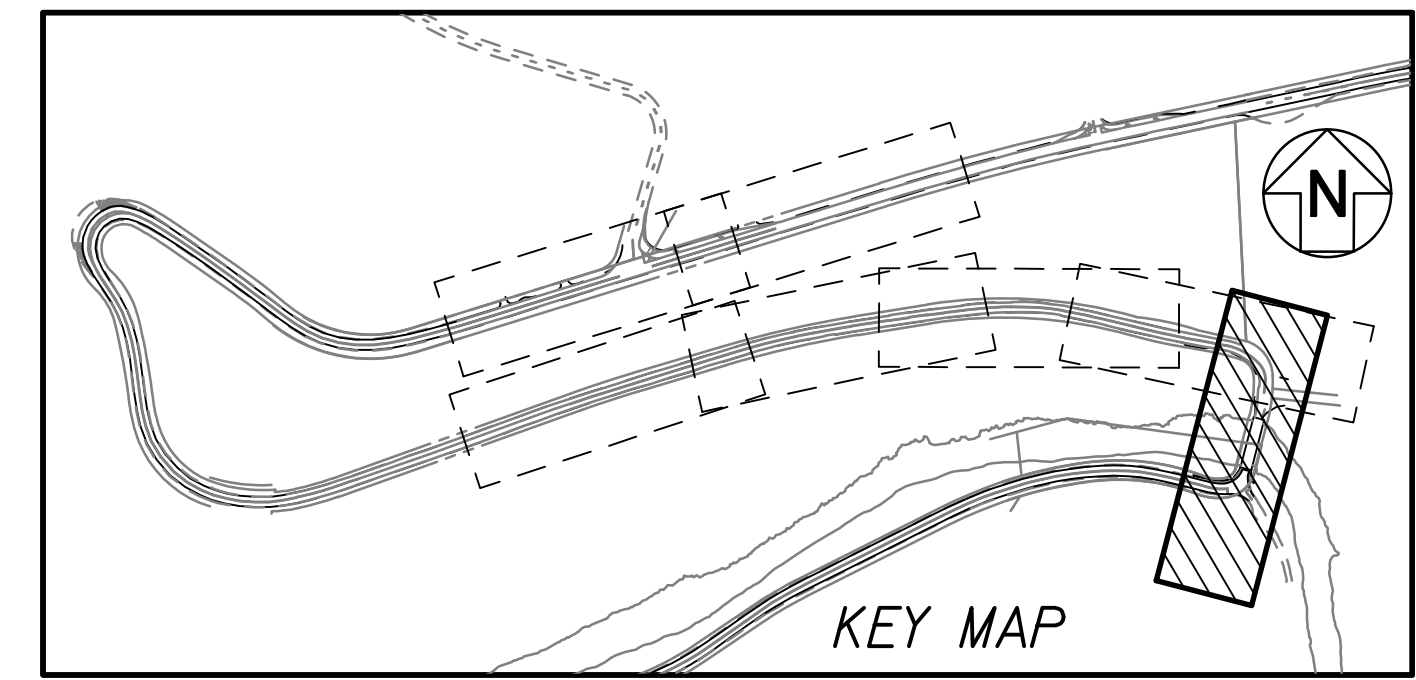
SHEET No. R-3 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	ADD. 28	100



TRUE NORTH
SCALE: 1" = 20'

DRAINLINE NOTE: For pavement restoration over drainline trench, see Typical Trench Restoration Detail on Sheet R-7.

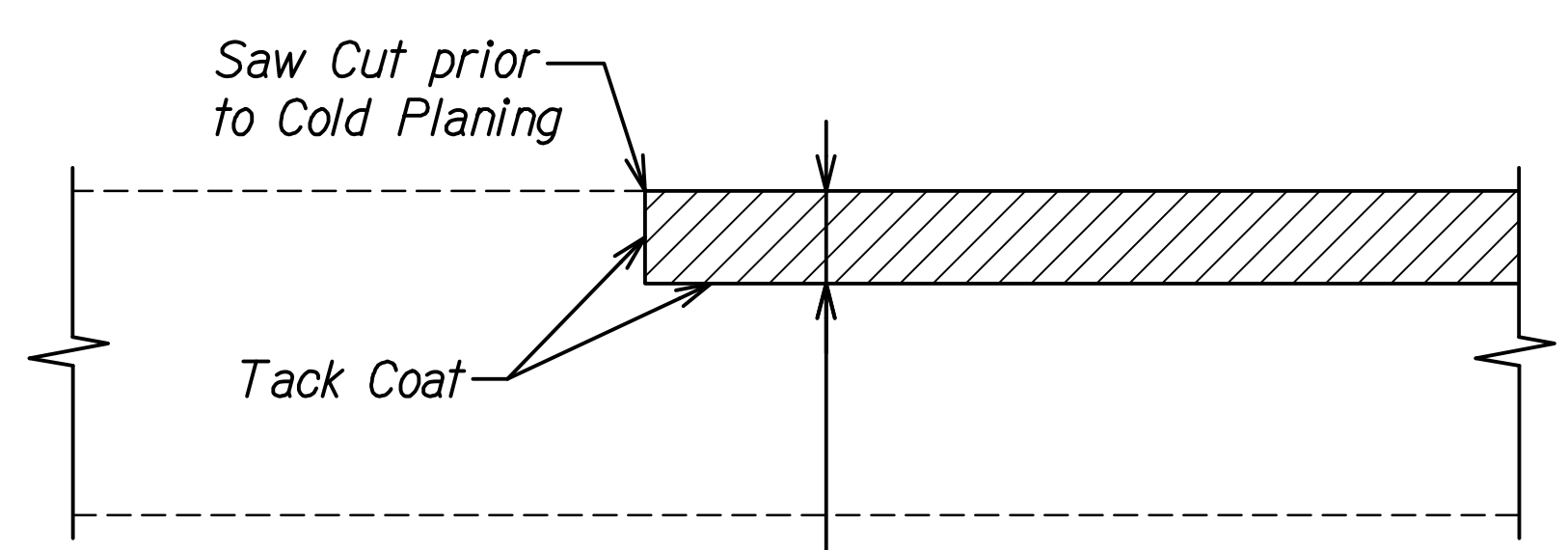


LEGEND:

- 2" Cold Plane
- 2" PMA Pavement, Mix No. IV

PLAN
Scale: 1"=20'

GUTTER NOTE:
See Shts. D-1 thru D-5, Drainline A Plan and Profile for Gutter, Type 2

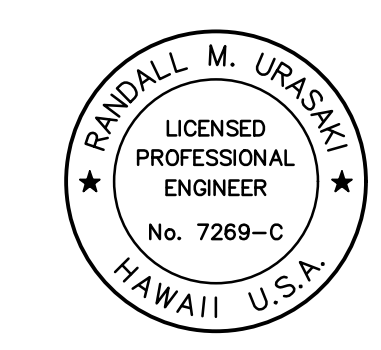


NOTE:
Payment for saw cutting and tack coat shall be considered incidental to the various pay items.

2" Min. Cold Plane
2" Min. PMA Pavement, Mix No. IV

PAVEMENT CONNECTION DETAIL
Not to Scale

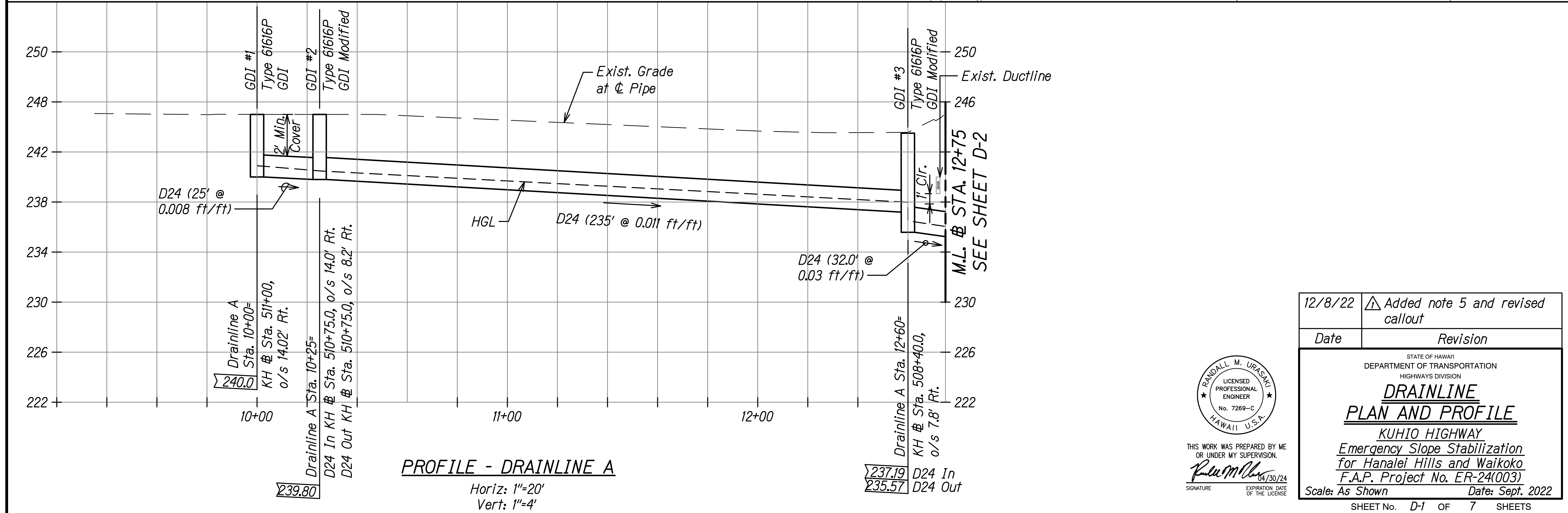
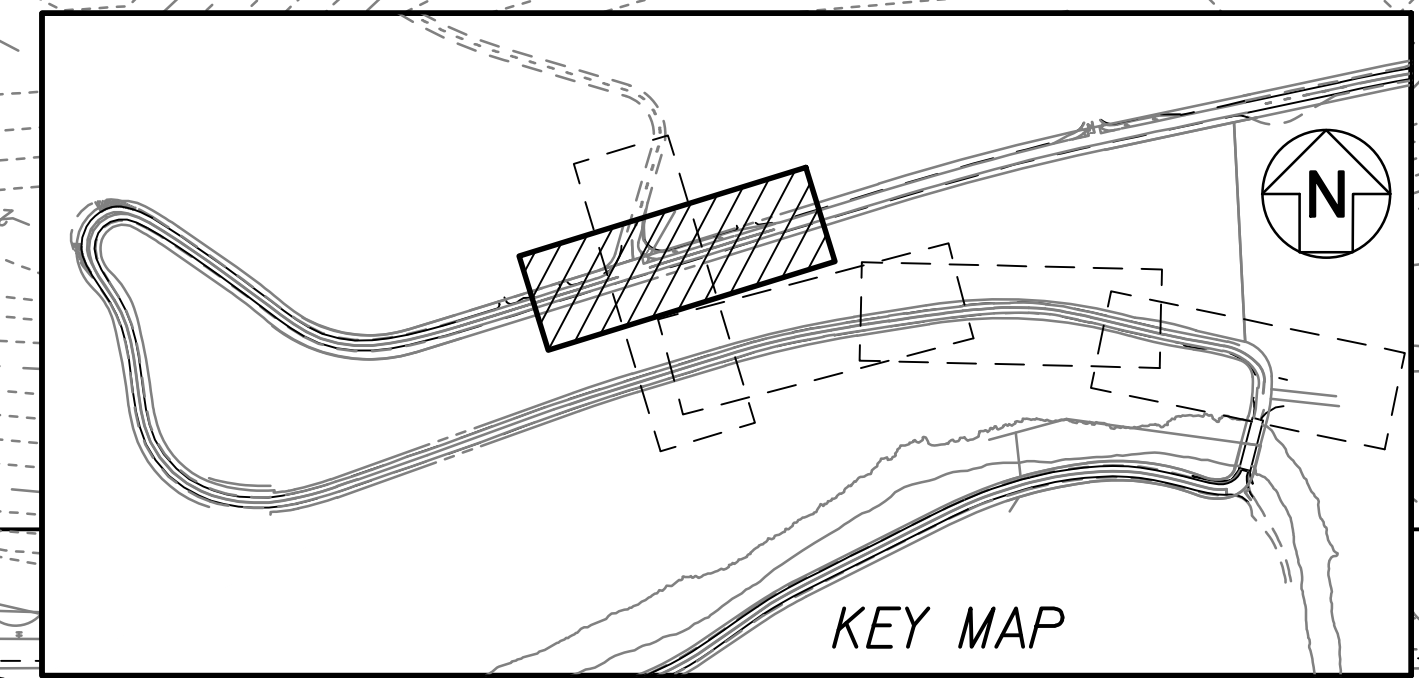
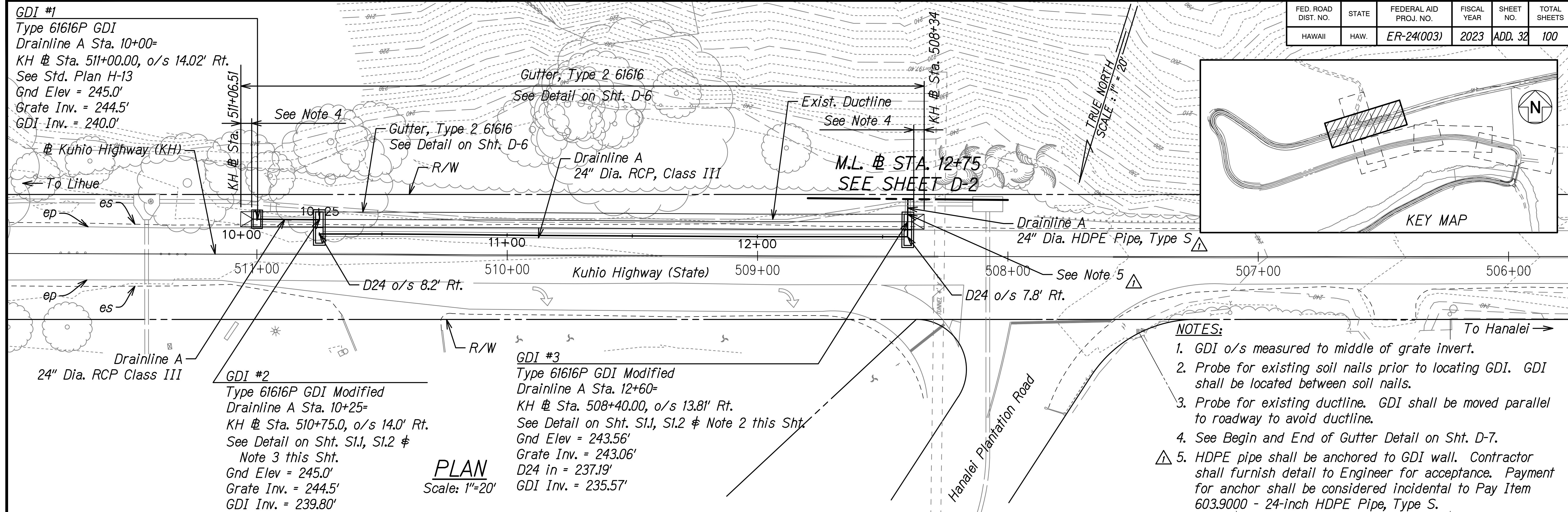
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



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

12/8/22	Added Drainline Note
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN AND DETAIL	
HANAIEI HILLS	
KUHIO HIGHWAY	
Emergency Slope Stabilization	
For Hanalei Hills and Waikoko	
F.A.P. Project No. ER-24(003)	
Scale: 1"=20'	Date: Sept. 2022
SHEET No. R-4 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. 32	100



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

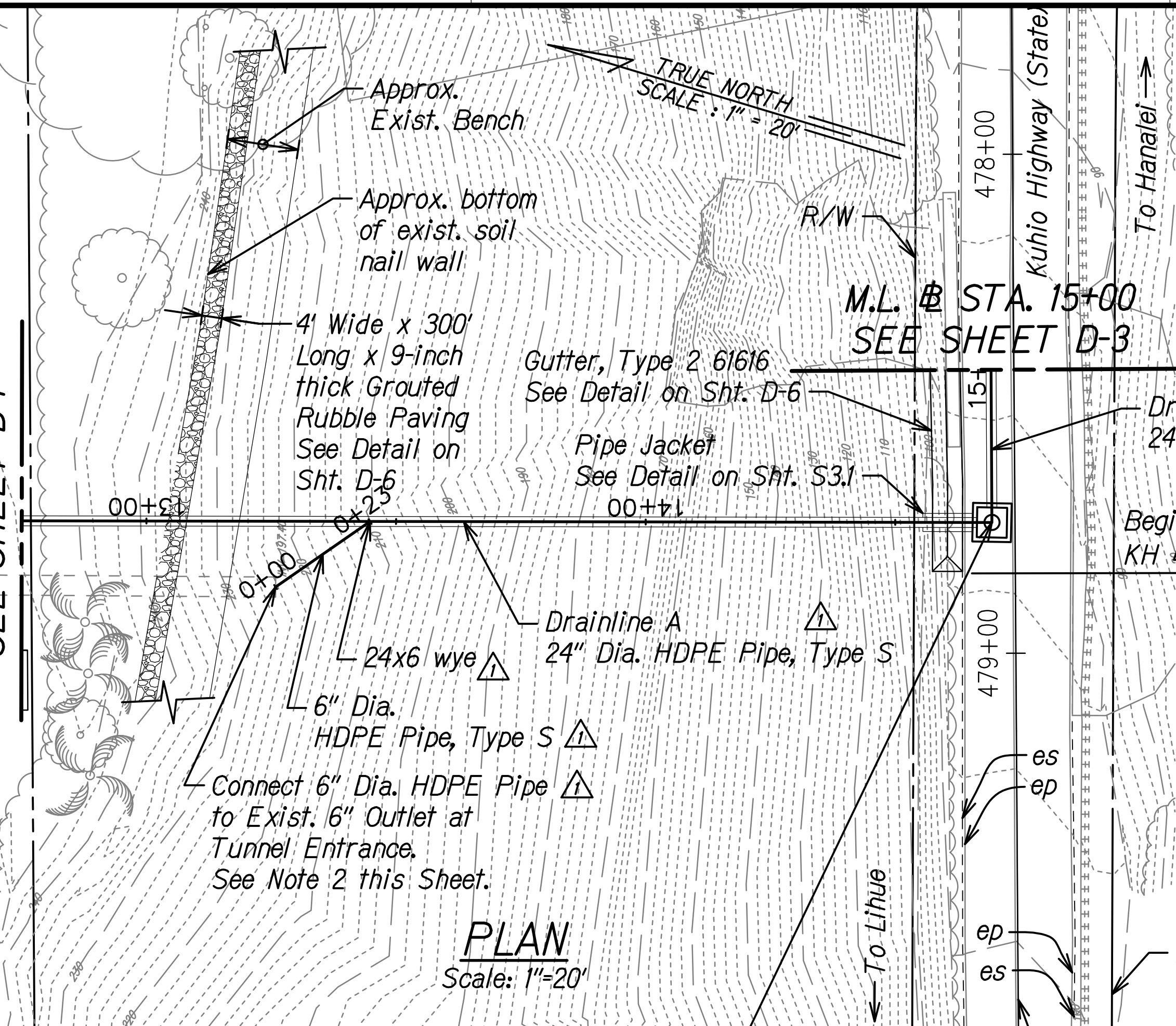
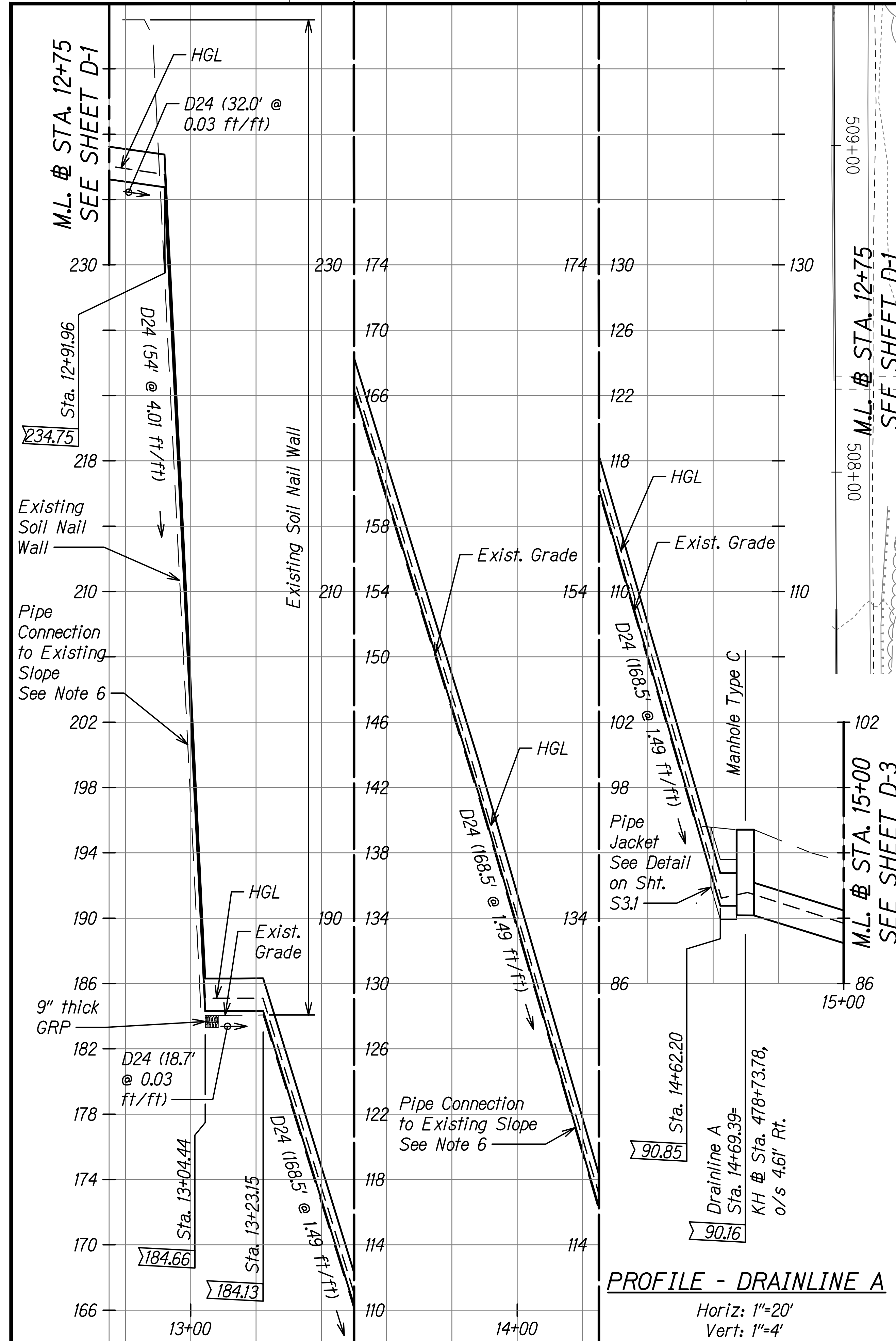
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

RANDALL M. URASAKI
 LICENSED PROFESSIONAL ENGINEER
 No. 7269-C
 HAWAII U.S.A.

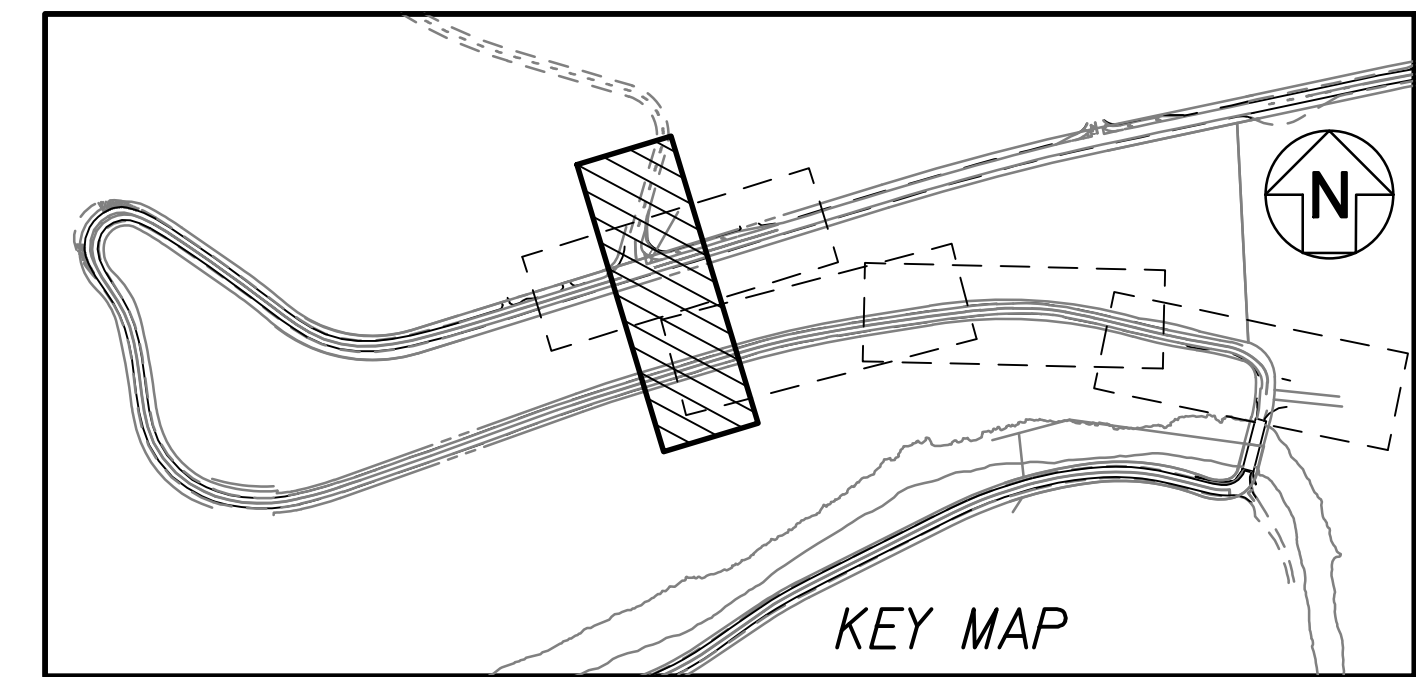
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Randall M. Urasaki
 SIGNATURE
 EXPIRATION DATE OF THE LICENSE: 04/30/24

12/8/22	Added note 5 and revised callout
Date	Revision
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.



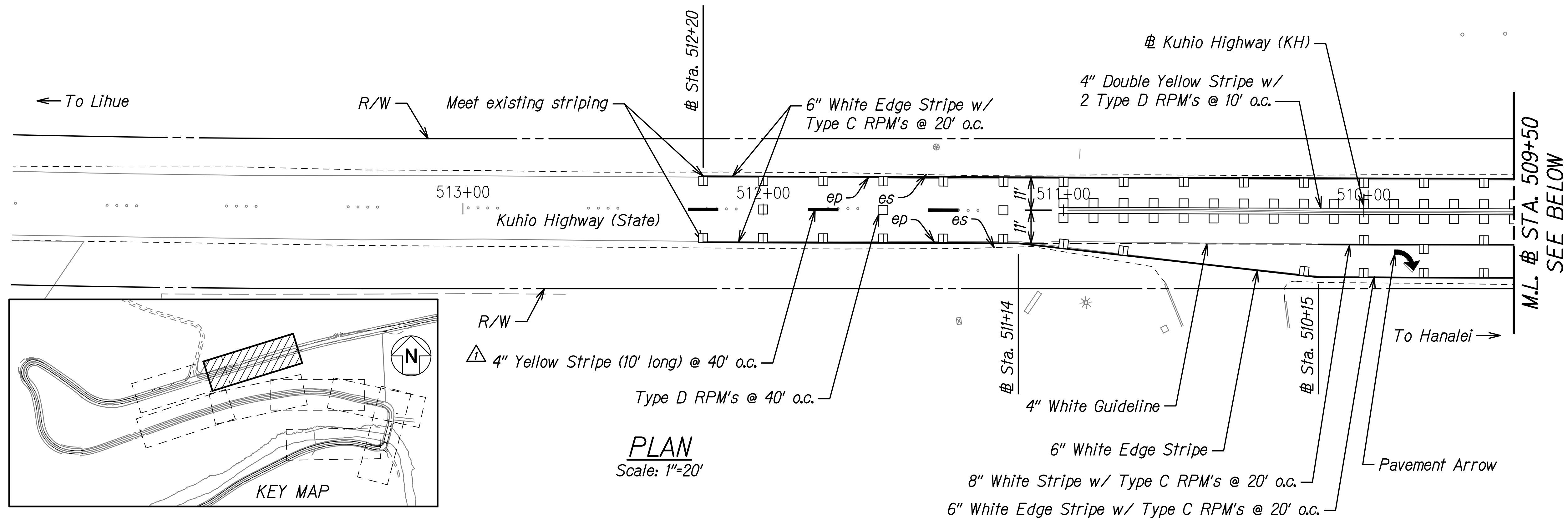
DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
NOTE BOOK	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
No.	_____

RANDALL M. URASAKI
 LICENSED PROFESSIONAL ENGINEER
 No. 7269-C
 HAWAII U.S.A.
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 Signature: *R. M. Urasaki*
 EXPIRATION DATE OF THE LICENSE: 04/30/24

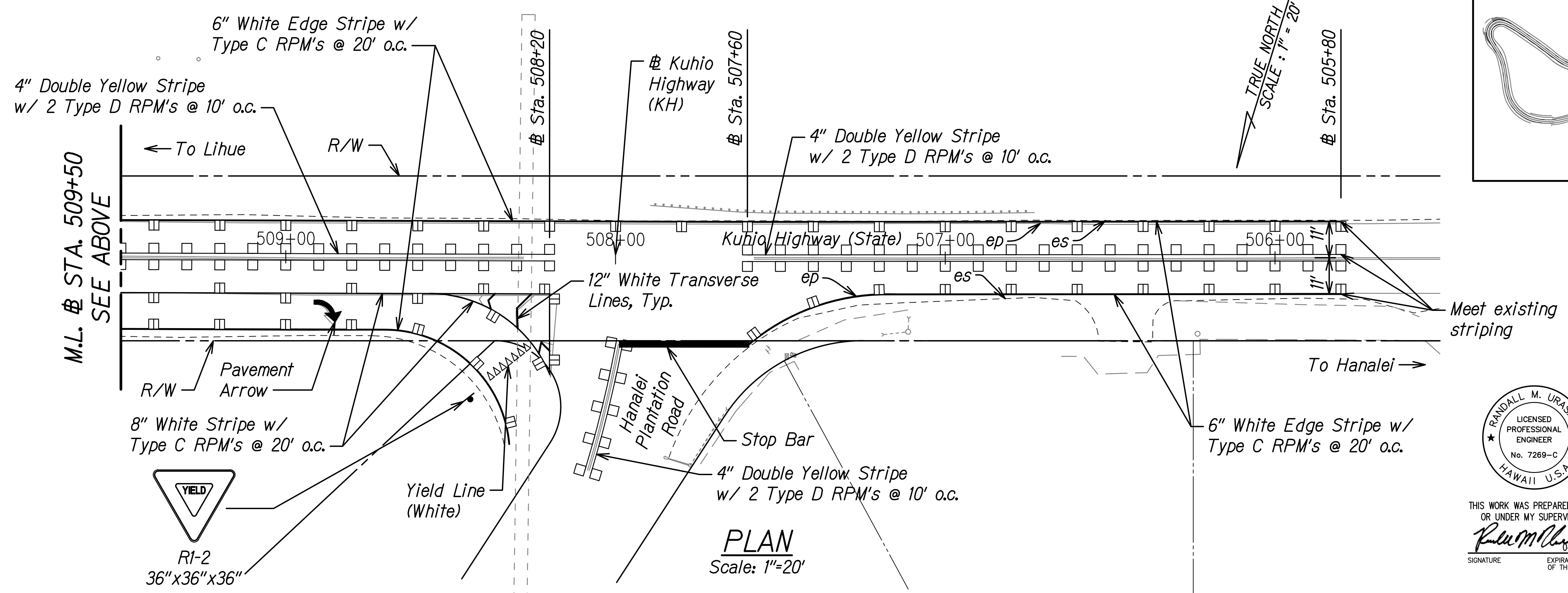
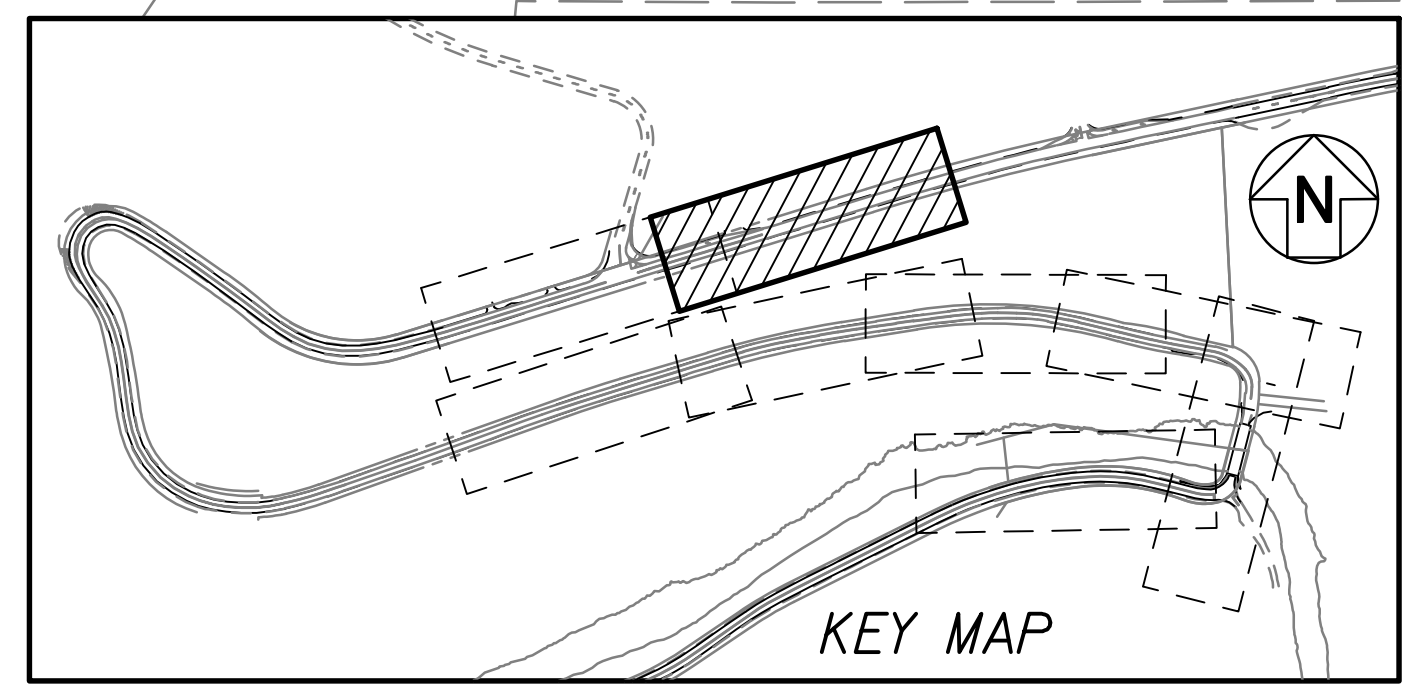
12/8/22	△ Revised note and location
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION DRAINLINE PLAN AND PROFILE KUHIO HIGHWAY Emergency Slope Stabilization For Hanalei Hills and Waikoko F.A.P. Project No. ER-24(003) Scale: As Shown Date: Sept. 2022	
SHEET No. D-2 OF 7 SHEETS	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	ADD. 40	100

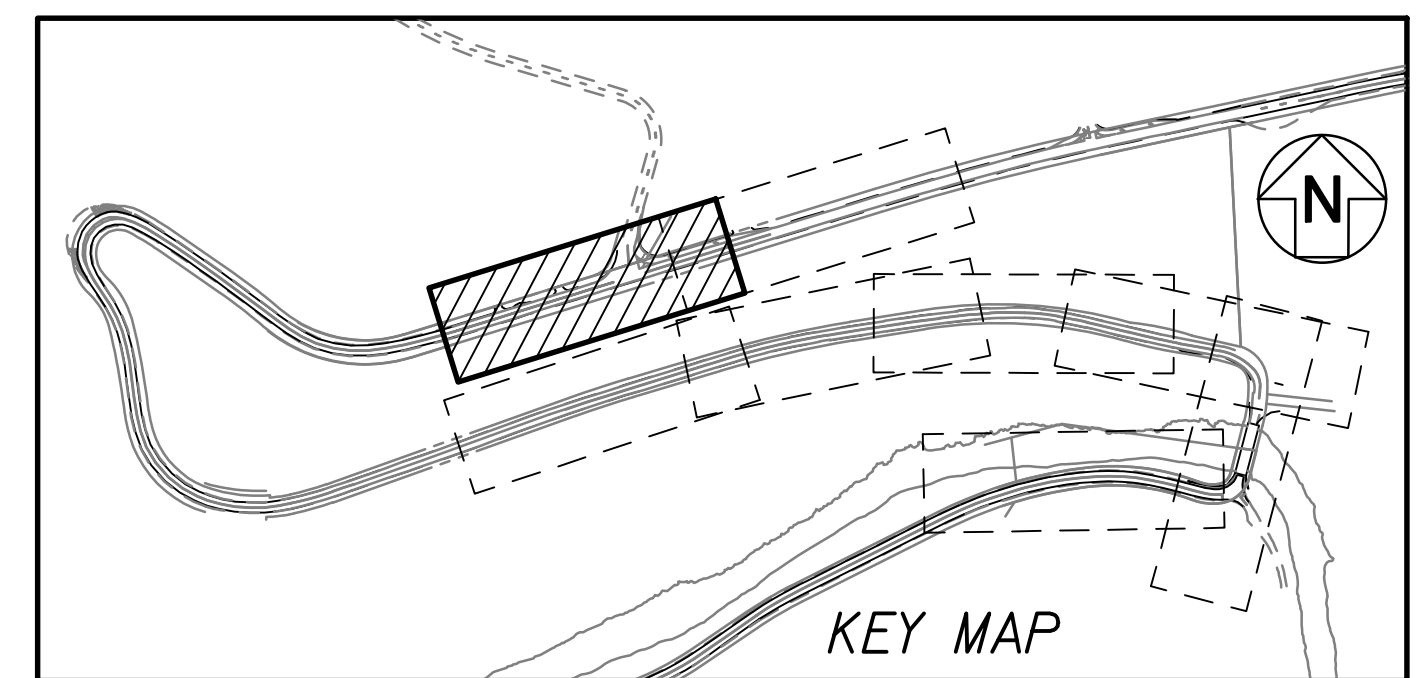
TRUE NORTH
SCALE: 1" = 20'



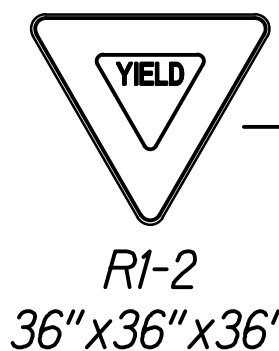
PLAN
Scale: 1"=20'



PLAN
Scale: 1"=20'



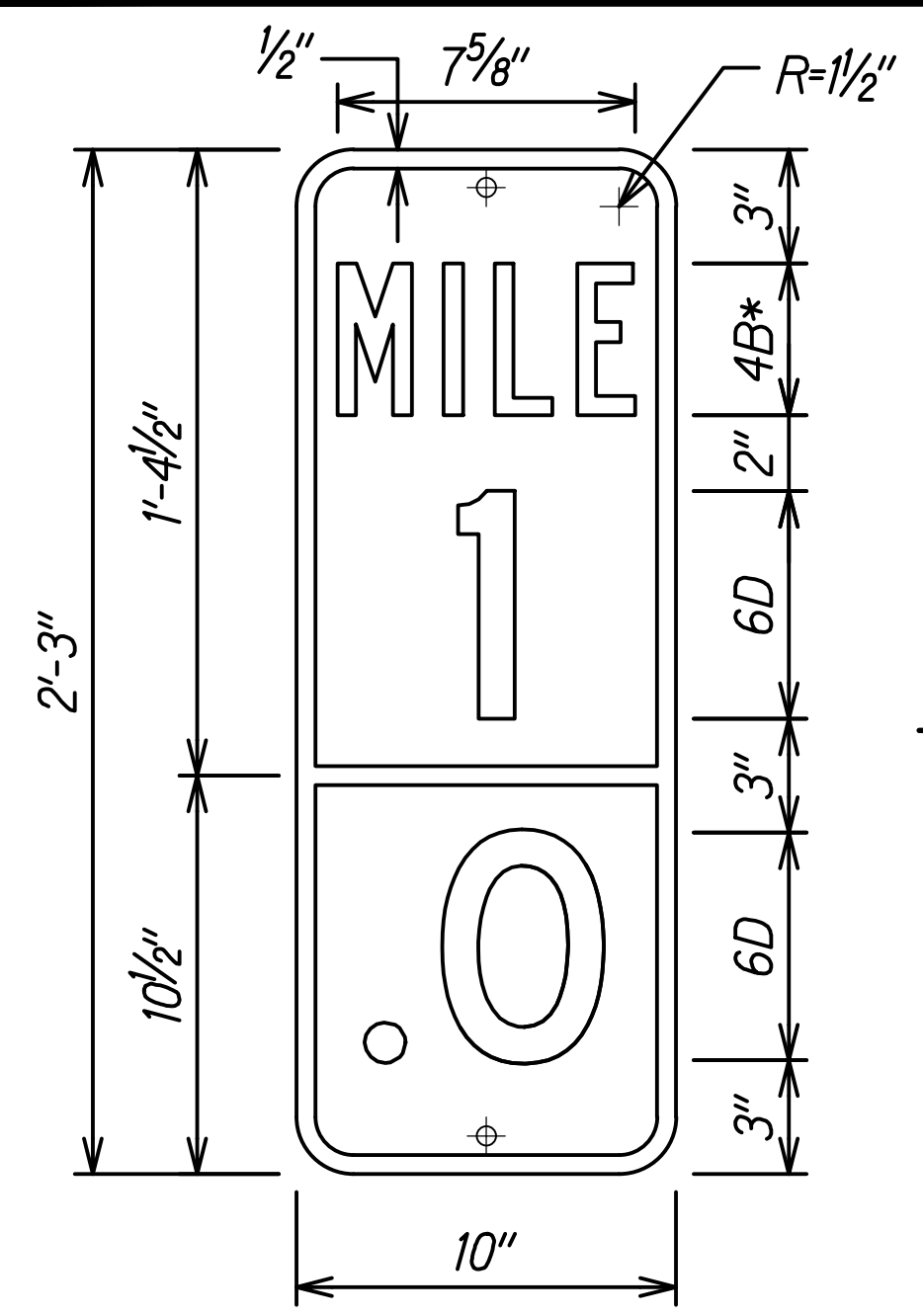
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____



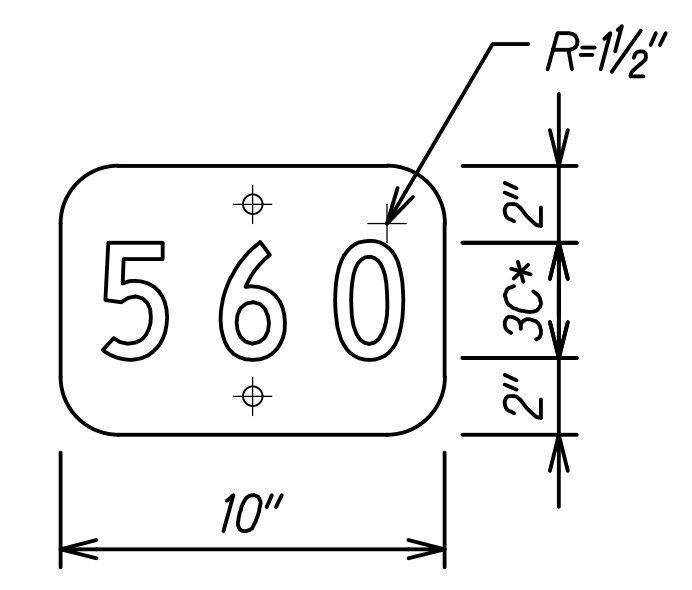
RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
R. M. Urasaki
SIGNATURE
EXPIRATION DATE OF THE LICENSE: 04/30/24

12/8/22	△ Revised callout
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
SIGNING AND PAVEMENT MARKINGS	
HANAIEI HILLS	
KUHIO HIGHWAY	
Emergency Slope Stabilization	
For Hanalei Hills and Waikoko	
F.A.P. Project No. ER-24(003)	
Scale: 1"=20'	Date: Sept. 2022
SHEET No. P-2 OF 6 SHEETS	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(003)	2023	ADD. 44	100



MILE POST SIGN
Not to Scale

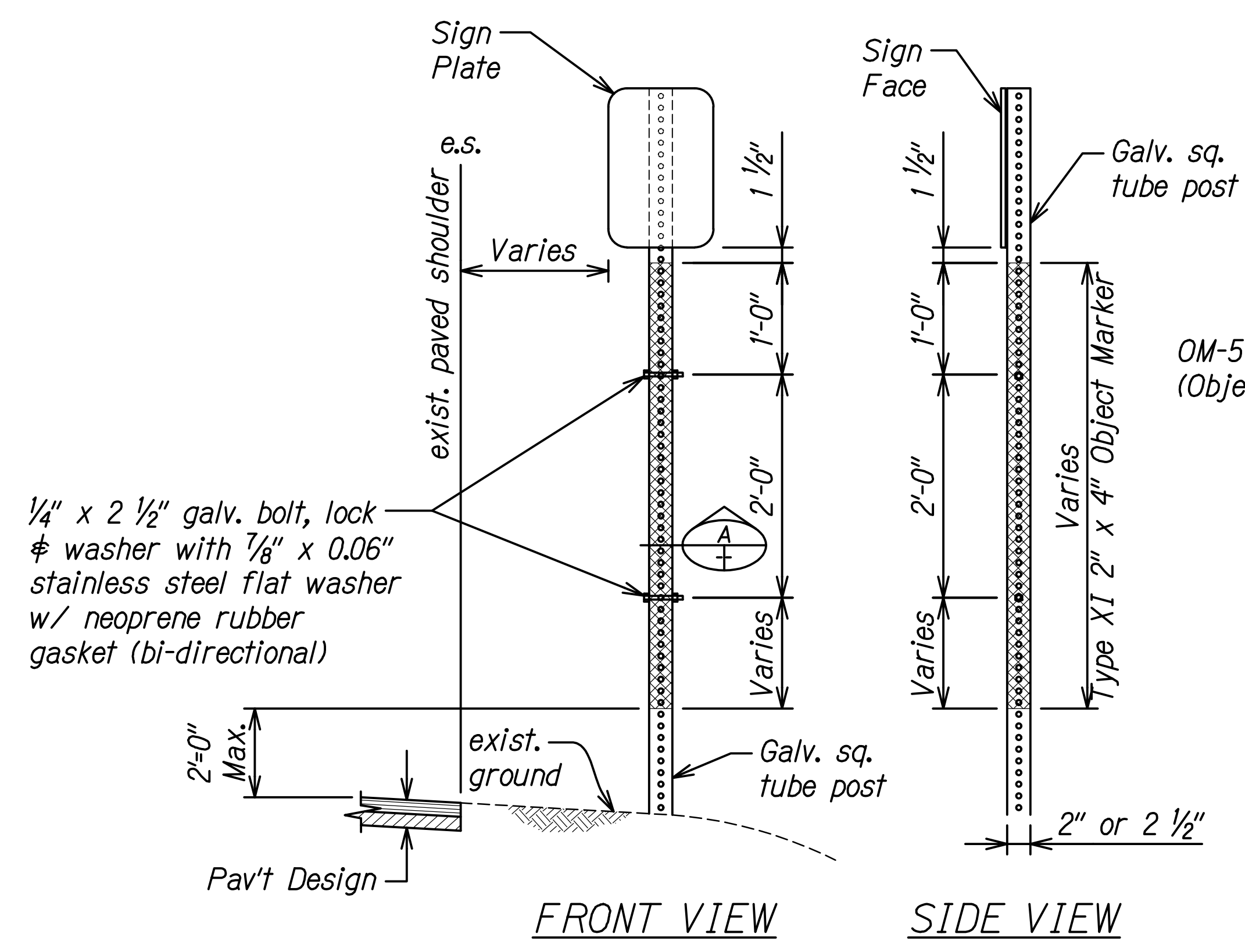


HIGHWAY ROUTE NUMBER PLATE DETAIL
Not to Scale

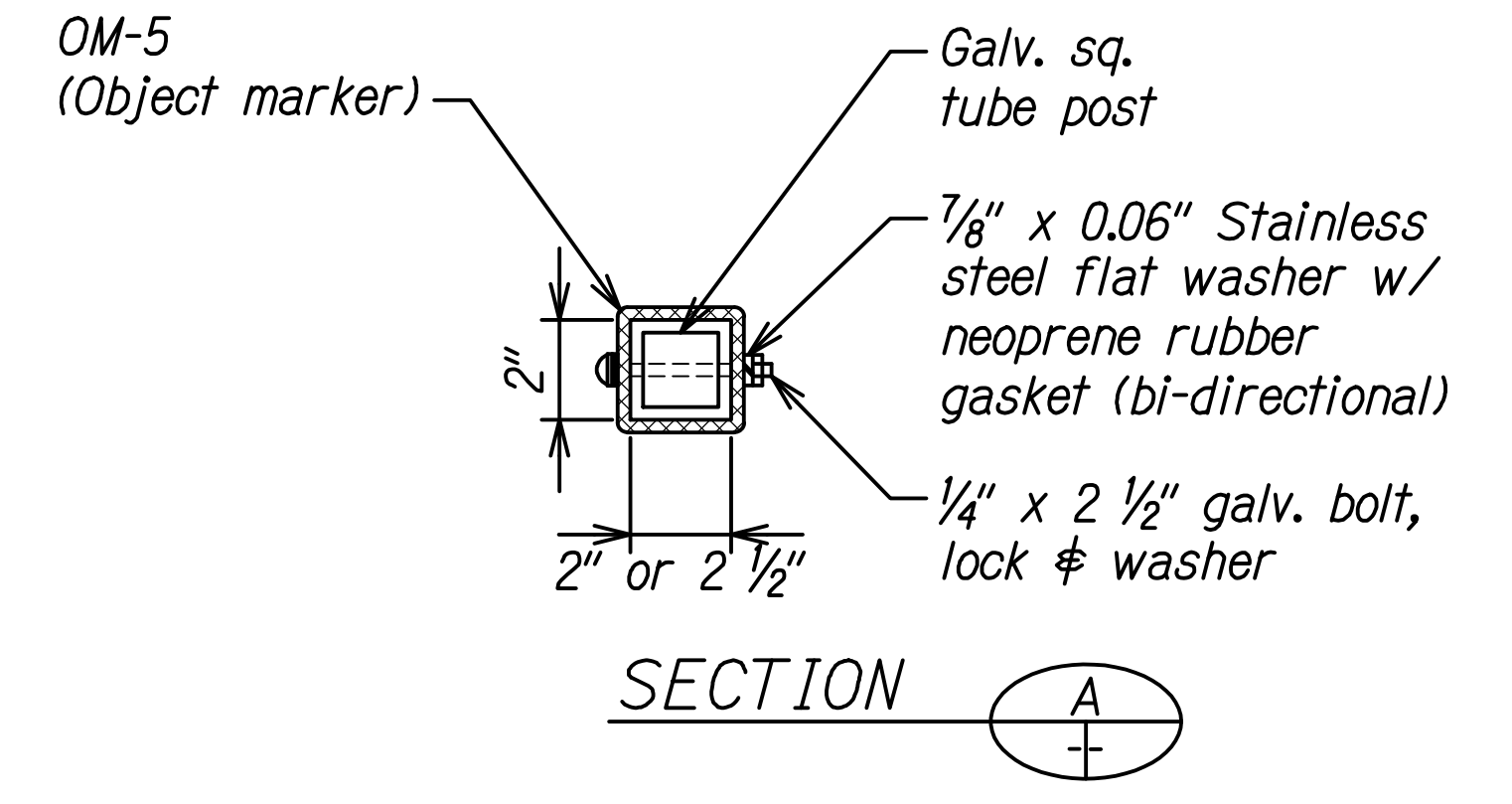
Colors: Legend: White
Background: Green

* Series 2000 Standard Alphabets
Optically locate numerals about centerline

NOTE:
Payment for Highway Route Number Plate shall be considered incidental to the Mile Post Sign.



GALVANIZED SQUARE TUBE SIGN POST DETAIL
Not to Scale



SIGN POST NOTES:

- Object markers (OM-5) shall be installed on all proposed regulatory and warning sign posts within the project limits. Payment for Object Markers shall be considered incidental to the various pay items.
- If a strip of reflective material is used on the sign support, it shall be at least 2 inches in width, it shall be placed for the full length of the support from the sign to within 2 feet above the edge of roadway, and its color shall match the background color of the sign, except that the color of the strip for the "YIELD" and "DO NOT ENTER" signs shall be red. Payment for reflective material shall be considered incidental to the various pay items.
- Object marker shall be Vis-Z-Shield, manufactured by "Zumar" or approved equal.
- Background of object marker shall be retroreflectorized with Type XI retroreflective sheeting.



DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN No.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Randall M. Urasaki
SIGNATURE
EXPIRATION DATE OF THE LICENSE: 04/30/24

12/8/22	Deleted Profiled Thermoplastic Striping Detail
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION SIGNING AND PAVEMENT MARKING DETAILS KUHIO HIGHWAY Emergency Slope Stabilization For Hanalei Hills and Waikoko F.A.P. Project No. ER-24(003) Scale: None Date: Sept. 2022	

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Notice To Bidders

Instructions for Contractor’s Licensing

Notice of Requirement for Affirmative Action to Ensure
Equal Employment Opportunity (Executive Order 11246)

Disadvantaged Business Enterprise (DBE) Requirements

Required Federal-Aid Contract Provisions

Special Provisions Title Page

Special Provisions:

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102	Bidding Requirements and Conditions	102-1a – 102-12a
103	Award And Execution of Contract	103-1a – 103-5a
104	Scope of Work	104-1a – 104-2a
105	Control of Work	105-1a – 105-3a
106	Material Restrictions and Requirements	106-1a
107	Legal Relations and Responsibility To Public	107-1a – 107-6a
108	Prosecution And Progress	108-1a – 108-26a
109	Measurement and Payment	109-1a – 109-2a

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Section	Description	Pages
201	Clearing and Grubbing	201-1a
203	Excavation and Embankment	203-1a – 203-2a
206	Excavation and Backfill for Drainage Facilities	206-1a
209	Temporary Water Pollution, Dust, and Erosion Control	209-1a – 209-28a

DIVISION 300 - BASES		
Section	Description	Pages
301	Hot Mix Asphalt Base Course	301-1a – 301-2a
304	Aggregate Base Course	304-1a
305	Aggregate Subbase Course	305-1a
314	Controlled Low Strength Materials (CLSM) for Utilities and Structures	314-1a

DIVISION 400 - PAVEMENTS		
Section	Description	Pages
401	Hot Mix Asphalt Pavement	401-1a – 401-37a
407	Tack Coat	407-1a
415	Cold Planing of Existing Pavement	415-1a

DIVISION 500 - STRUCTURES		
Section	Description	Pages
503	Concrete Structures	503-1a – 503-5a

DIVISION 600 - INCIDENTAL CONSTRUCTION		
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601	Structural Concrete	601-1a – 601-15a
602	Reinforcing Steel	602-1a
603	Culverts and Storm Drains	603-1a – 603-5a
604	Manholes, Inlets and Catch Basins	604-1a
606	Guardrail	606-1a
607	Chain Link Fences and Gates	607-1a
612	Grouted Rubble Paving	612-1a
619	Planting	619-1a – 619-4a
621	Invasive Species Management	621-1a – 621-14a
629	Pavement Markings	629-1a – 629-3a
631	Traffic Control Regulatory, Warning, and Miscellaneous Signs	631-1a

632	Markers	632-1a
638	Portland Cement Concrete Curb and Gutter	638-1a – 638-2a
641	Hydro-Mulch Seeding	641-1a
643	Maintenance of Existing Landscape Areas	643-1a
645	Work Zone Traffic Control	645-1a – 645-2a
648	Field-Posted Drawings	648-1a
657	Anchored Wire Mesh System	657-1a – 657-8a
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703	Aggregates	703-1a
706	Concrete, Clay and Plastic Pipe	706-1a – 706-2a
712	Miscellaneous Frames, Grates, Covers and Ladder Rungs	712-1a
717	Cullet and Cullet-Made Materials	717-1a – 717-2a
750	Traffic Control Sign and Marker Materials	750-1 – 750-2
755	Pavement Marking Materials	755-1

Requirement of Chapter 104, HRS
Wages and Hours of Employees on Public Works Law

Federal Wage Rates

Proposal Title Page

ProposalP-1 – P-8
Proposal ScheduleP-9 - P-19

Disadvantaged Business Enterprise (DBE) Contract Goal Verification and Good Faith Efforts (GFE) Documentation For Construction

Disadvantaged Business Enterprise (DBE) Confirmation and Commitment Agreement – Trucking Company

Disadvantaged Business Enterprise (DBE) Confirmation and Commitment Agreement
– Subcontractor, Manufacturer, or Supplier

Surety Bid Bond

Sample Forms

Contract

Performance Bond (Surety)

Performance Bond

Labor and Material Payment Bond (Surety)

Labor and Material Payment Bond

Disclosure of Lobbying Activities
Standard Form - LLL and LLL-A

Statement of Compliance
Form WH-348

Chapter 104, HRS Compliance Certificate

Certification of Compliance for Employment of State Residents

END OF TABLE OF CONTENTS

1 **SECTION 107 - LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC**

2
3 Make the following amendments to said Section:

4
5 **(I)** Amend **Section 107.01 Insurance Requirements** from lines 5 to 81 to
6 read as follows:

7
8 **“(A) Obligation of Contractor.** Contractor shall not commence any
9 work until it obtains, at its own expense, all required insurance described
10 herein. Such insurance shall be provided by an insurance company
11 authorized by the laws of the State to issue such insurance in the State of
12 Hawaii. Coverage by a “Non-Admitted” carrier is permissible provided the
13 carrier has a Best’s Rating of “A-VII” or better. The Contractor shall
14 maintain and ensure all insurance policies are current for the full period of
15 the contract until final acceptance of the work by the State.

16
17 The Certificate of Insurance shall contain: a clause that it is agreed
18 that any insurance maintained by the State of Hawaii will apply in excess
19 of, and not contribute with, insurance provided by this policy; and shall be
20 accompanied by endorsement form CG2010 or equivalent naming the
21 State as an additional insured to the policy which status shall be
22 maintained for the full period of the contract until final acceptance of the
23 work by State.

24
25 The Contractor shall obtain all required insurance as part of the
26 contract price. Where there is a requirement for the State of Hawaii and
27 its officers and employees to be named as additional insureds under any
28 Contractor’s insurance policy, before the State of Hawaii issues the Notice
29 to Proceed, the Contractor shall obtain and submit to the Engineer a
30 Certificate of Insurance and a written policy endorsement that confirms the
31 State of Hawaii and its officers and employees are additional insureds for
32 the specific State project number and project title under such insurance
33 policies. The written policy endorsement must be issued by the insurance
34 company insuring the Contractor for the specified policy type or by an
35 agent of such insurance company who is vested with the authority to issue
36 a written policy endorsement. The insurer’s agent shall also submit
37 written confirmation of such authority to bind the insurer. Any delays in
38 the issuance of the Notice to Proceed attributed to the failure to obtain the
39 proof of the State of Hawaii and its officers and employees’ additional
40 insured status shall be charged to the Contractor.

41
42 A mere Certificate of Insurance issued by a broker who represents
43 the Contractor (but not the Contractor’s insurer), or by any other party who
44 is not authorized to contractually name the State as an additional insured
45 under the Contractor’s insurance policy, is not sufficient to meet the
46 Contractor’s insurance obligations.

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Certificates shall contain a provision that coverages being certified will not be cancelled or materially changed without giving the Engineer at least thirty (30) days prior written notice. Contractor will immediately provide written notice to the Director should any of the insurance policies evidenced on its Certificate of Insurance form be cancelled, reduced in scope or coverage, or not renewed upon expiration. Should any policy be canceled before final acceptance of the work by the State, and the Contractor fails to immediately procure replacement insurance as specified, the State, in addition to all other remedies it may have for such breach, reserves the right to procure such insurance and deduct the cost thereof from any money due or to become due to the Contractor.

Nothing contained in these insurance requirements is to be construed as limiting the extent of Contractor's responsibility for payment of damages resulting from its operations under this contract, including the Contractor's obligation to pay liquidated damages, nor shall it affect the Contractor's separate and independent duty to defend, indemnify and hold the State harmless pursuant to other provisions of this contract. In no instance will the State's exercise of an option to occupy and use completed portions of the work relieve the Contractor of its obligation to maintain the required insurance until the date of final acceptance of the work.

All insurance described herein shall be primary and cover the insured for all work to be performed under the contract, all work performed incidental thereto or directly or indirectly connected therewith, including but not limited to traffic detour work, barricades, warnings, diversions, lane closures, and other work performed outside the work area and all change order work.

The Contractor shall, from time to time, furnish the Engineer, when requested, satisfactory proof of coverage of each type of insurance required covering the work. Failure to comply with the Engineer's request may result in suspension of the work, and shall be sufficient grounds to withhold future payments due the Contractor and to terminate the contract for Contractor's default.

(B) Types of Insurance. Contractor shall purchase and maintain insurance described below which shall provide coverage against claims arising out of the Contractor's operations under the contract, whether such operations be by the Contractor itself or by any subcontractor or by anyone directly or indirectly employed by any of them or by anyone for whose acts any of them may be liable.

92 **(1) Workers' Compensation.** The Contractor shall obtain
93 worker's compensation insurance for all persons whom they
94 employ in carrying out the work under this contract. This insurance
95 shall be in strict conformity with the requirements of the most
96 current and applicable State of Hawaii Worker's Compensation
97 Insurance laws in effect on the date of the execution of this contract
98 and as modified during the duration of the contract.
99

100 **(2) Auto Liability.** The Contractor shall obtain Auto Liability
101 Insurance covering all owned, non-owned and hired autos with a
102 Combined single Limit of not less than \$1,000,000 per occurrence
103 for bodily injury and property damage with the State of Hawaii
104 named as additional insured. Refer to SPECIAL CONDITIONS for
105 any additional requirements.
106

107 **(3) General Liability.** The Contractor shall obtain General
108 Liability insurance with a limit of not less than \$2,000,000 per
109 occurrence and in the Aggregates for each of the following:
110

- 111 (a) Products - Completed/Operations Aggregate,
- 112
- 113 (b) Personal & Advertising Injury, and
- 114
- 115 (c) Bodily Injury & Property Damage
116

117 The General Liability insurance shall include the State as an
118 Additional Insured. The required limit of insurance may be provided
119 by a single policy or with a combination of primary and excess
120 policies. Refer to SPECIAL CONDITIONS for any additional
121 requirements.
122

123 **(4) Builders Risk For All Work.** The Contractor shall take out
124 a policy of builder's risk insurance for the full replacement value of
125 the project work; from a company licensed or otherwise authorized
126 to do business in the State of Hawaii; naming the State as an
127 additional insured under each policy; and covering all work, labor,
128 and materials furnished by such Contractor and all its
129 subcontractors against loss by fire, windstorm, tsunamis,
130 earthquakes, lightning, explosion, other perils covered by the
131 standard Extended Coverage Endorsement, vandalism, and
132 malicious mischief. Refer to SPECIAL CONDITIONS for any
133 additional requirements."
134

135 **(II) Amend Section 107.03 Working Hours; Night Work.** By adding the
136 following after line 143:
137

138 “Night work will not be allowed during the seabird fallout season period
139 from September 15 to December 15.”
140

141 **(III) Add Section 107.18 Refuge Access and Safety Permit Stipulations**
142 **for Special Use Permit #12522-22-105 for TMK (4) 5-3-001:007 and Section**
143 **107.19 Construction Parcel Requirements and Section 107.20 Citizen and**
144 **Residential Labor Force** after line 745:
145

146 **“Section 107.18 Refuge Access and Safety Permit Stipulations for Special**
147 **Use Permit #12522-22-105 for TMK (4) 5-3-001:007.** Contractor shall comply
148 with permit signed 12/16/21:
149

150 **(A)** When working in the Hanalei National Wildlife Refuge, Special Use
151 Permit #12522-22-105 applies. The permit has been included as part of the
152 Contract Documents. Some of the permit conditions are listed below, but the
153 Contractor shall comply with all conditions listed in the permit. Payment for
154 complying with the permit conditions shall be considered incidental to the various
155 contract items.
156

157 **(B)** Advanced coordination is required before the project begins and once
158 completed, the point of contact for the refuge will be Deputy Project Leader,
159 Brooke Burrows (cell: 808-635-0920)
160

161 **(C)** This permit must be kept on-hand during the project, along with all
162 necessary licenses.
163

164 **(D)** The Contractor bears the responsibility to repair any damages to the work
165 area and surrounding refuge infrastructure, which occur during the work being
166 authorized through this permit.
167

168 **(1)** Any damage will be corrected immediately at the cost of the
169 Contractor to whom the equipment belongs.
170

171 **(2)** A rock bollard or something similar will be placed by the
172 Contractor in front of the gate keypad to shield the keypad from any
173 further damage as a result of work in the permitted area.
174

175 **(E)** Prior to work beginning in the permitted area at Hanalei National Wildlife
176 Refuge, all machinery/equipment will be washed and cleaned of all mud and
177 foreign material to avoid introduction of invasive species.
178

179 **(1)** Power washing of all track/or tires is recommended to be done
180 prior to arrival to the refuge because water is not available onsite.
181

182 **(F)** All trash or other objects brought onto the refuge must be removed once
183 project is completed.
184

185 (1) Eating on the refuge is not allowed because food crumbs attract
186 rats and ants that prey on ground nesting birds. Please eat lunch off of
187 refuge property.

188
189 (G) Storing of fuel on refuge property is prohibited.

190
191 (1) In case of any fuel, oil or other leaks on refuge property, the
192 damage must be mitigated as soon as possible, and refuge deputy
193 project leader, Brooke Burrows (808-635-0922) must be immediately
194 informed.

195
196 (H) Taking of endangered species is prohibited. A 5-mph speed limit will be
197 adhered to in order to minimize disturbance. In the case that an endangered
198 species does not move out of way on its own accord then the hauling operation
199 must wait for the bird to move or a different route can be established. If any nest
200 are found or if there is any form of take of an endangered species, contact the
201 refuge biologist Kim Uyehara (cell: 808-635-9309).

202
203 (I) Safety is of paramount importance to the Kauai National Wildlife Refuge
204 Complex. All accidents or injuries should be reported to Deputy Project Leader
205 as soon as possible.

206
207 **Section 107.19 Construction Parcel Requirements.** Construction Parcels C1,
208 C2 and C4 right-of-entries are incorporated into the Contract Documents.

209
210 Contractor shall comply with the following requirements for Construction
211 Parcel C2 within property TMK (4) 5-4-004:010:

212
213 (A) Access the slope work from Kuhio Highway. Access for slope
214 construction from the property's driveway is not permitted.

215
216 (B) Coordinate with the owner for driveway access. Only limited
217 access thru the property driveway is allowed for collection and removal of
218 spoils that fall down the slope. The spoils shall be removed offsite to a
219 permitted disposal site.

220
221 (C) Vehicles shall back into or back out of the driveway. Vehicles are
222 not allowed to turn around off of the driveway. Vehicles and personnel are
223 not permitted beyond the construction parcel limits.

224
225 (D) Storing of material on or along the property driveway is not
226 permitted.

227
228 **107.20 Citizen and Residential Labor Force.**

229
230 (A) **Citizen Labor.** No person shall be employed as a laborer or
231 mechanic unless such person is a citizen of the United States or eligible to

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become one; provided that persons without such qualifications may be employed with the approval of the Governor until persons who are citizens and are competent for such services are available for hire.

(B) Residential Labor Force. In accordance with Act 192; SLH 2011, no less than eighty (80) percent of the bidder's labor force working on the contract shall be provided by Hawaii residents. This act applies to all construction procurements under HRS Chapter 103D; however this act does not apply to procurements for professional services under Section 103D-304 and small purchases under Section 103D-305. This act is also applicable to any subcontract of \$50,000.00 or more in connection with this contract.

Resident means a person who is physically present in the State of Hawaii at the time the person claims to have established the person's domicile in the State of Hawaii and shows the person's intent is to make Hawaii the person's primary residence.

(C) Percentage of workforce shall be determined by dividing the labor hours (including subcontractors) provided by residents working on the project divided by the total number of hours worked by all employees of the contractor in the performance of the contract. Hours worked by employees within shortage trades as determined by the Department of Labor and Industrial Relations shall not be included in the calculation of this percentage.

(D) Certification of compliance with the forgoing provisions shall be made by the contractor in the form of a written oath submitted to the Procurement Officer on a monthly basis for the duration of the contract.

(E) Sanctions for non compliance with these provisions are as follows:

(1) With respect to the General Contractor, withholding of payment on the contract until the Contractor or its Subcontractor complies with HRS Chapter 103B as amended by Act 192, SLH 2011.

(2) Proceedings for debarment or suspension of the Contractor or Subcontractor under Hawaii Revised Statutes § 103D-702.

This Section shall not apply when its application will disqualify the State from receiving federal funds or aid."

END OF SECTION 107

1 **SECTION 603 – CULVERTS AND STORM DRAINS**

2
3 Make the following amendments to said Section:

4
5 **(I)** Amend **603.03(C)(1) - Culverts** by revising lines 106 to 108 to read as
6 follows:

7
8 “Spacing between multi-barrel culverts shall be a minimum of 18 inches or
9 0.5 the culvert width, whichever is greater. The minimum spacing shall be 1 foot
10 when placing controlled low strength material (CLSM) as backfill. Anchor the
11 culverts in such a manner that the horizontal and vertical alignment of the
12 culverts does not change.”

13
14 **(II)** Amend **603.03(D)(2) – Metal and High-Density Polyethylene Culverts**
15 by revising lines 172 to 176 to read as follows:

16
17 **“(2) Metal Culverts.** Join metal culverts firmly with coupling
18 bands.”

19
20 **(III)** Add the following after line 282:

21
22 **“603.03(L) – High-Density Polyethylene Culverts:**

23
24 **(1) Installation.** Install pipe and fittings per manufacturer’s
25 recommendations.

26
27 The Contractor may hydrostatically test various sections of the
28 pipeline by temporarily installing a mechanical clamp and blind flange or
29 by fusing on a HDPE stub end, backing ring and blind flange to the open
30 end of the pipeline as long as these temporary blanking off connections
31 are rated for the full test pressure. All fusion joints and mechanical
32 connections in the pipeline section being tested must be fully exposed
33 during the testing process.

34
35 **(2) Written Pipeline Installation Procedure.** Prior to mobilization,
36 the Contractor shall provide the Engineer with a written Pipeline
37 Installation Procedure describing the installation methods used to
38 construct the entire pipeline run, the amount of downtime required to
39 make the necessary hot connections at each end of the new pipeline run
40 and the bypass plumbing arrangement that may be installed to limit
41 downtime.

42
43 The written Pipeline Installation Procedure shall describe: (1) the
44 process of storing the pipe material and associated hardware; (2) the
45 process of welding the pipeline sections together; and (3) the process of
46 constructing the pipeline along the existing slope.

47
48 **(3) Heat Fusion Joining.** Whenever possible the polyethylene pipe
49 should be joined by the method of thermal butt-fusion, as outlined in

50 ASTM D2657. Butt fusion joining of pipe and fittings shall be performed in
51 accordance with the procedures recommended by the manufacturer. The
52 temperature of the heater plate and the joining pressure to be used for
53 the welded fusion joints shall be according to the pipe manufacturer's
54 specifications and indicated to the Engineer prior to any trial fusions. The
55 established heater plate temperature and pressure of the fusion joints
56 shall also be indicated in the Written Pipeline Installation Procedure. The
57 pipe supplier shall be consulted to obtain machinery and expertise for the
58 joining by butt-fusion of polyethylene pipe and fittings.
59

60 **Heat Fusion Daily Logs.** Maintain and submit to the Engineer by
61 10:00 a.m. the following day, daily logs of each individual fusion, including
62 verification of visual fusion, including verification of visual witness of
63 fusion. This Daily Fusion Log shall include actual temperature, duration
64 (identifying warm-up, weld, and cool down times) and applied butt
65 pressure for each weld. Each log shall be certified by the Fusion
66 Technician and the Engineer or Contractor's field supervisor. Electronic
67 data acquisition or log information may be used in lieu of manual
68 recording. No HDPE pipe or fittings shall be joined by fusion welding by
69 any Contractor's representative unless he/she is adequately trained and
70 qualified in the techniques involved.
71

72 **Heat Fusion Technician Qualifications.** Pipe and fitting joints
73 shall be heat fused by a qualified fusion technician who has been trained
74 by an approved manufacturer's representative and in accordance with the
75 manufacturer's recommended fusion procedures. The Contractor shall
76 provide written certification from the pipe manufacturer for each fusion
77 technician employed by the Contractor. Training or requalification shall
78 have been obtained within the 12 months prior to the beginning of work.
79 The Fusion Technician shall have performed fusion on at least three prior
80 projects of similar size and length.
81

82 **Bent Strap Testing.** Prior to the production of actual HDPE butt
83 or socket fusion joints, each person who will be making joints shall
84 demonstrate proficiency by making a trial joint with a small test section of
85 the production pipe and destructively test the trial fusion by bent strap
86 testing. Trial joints shall not fail at the joint. If the fusion fails, additional
87 trial fusions shall be made and tested until successful fusions are made.
88 The successful fusion procedure shall be used for the installation of all
89 permanent production pipe and fittings within the limitations
90 recommended by the manufacturer. A copy of bent strap test results shall
91 be submitted to the Engineer within 24 hours of the test completion.
92

93 **Heat Fusion Work Plan.** Submit work plan demonstrating ability
94 to perform work in compliance with specifications, and ASTM D2657,
95 ASTM D3261, and ASTM D3350 including procedures, equipment
96 specifications, manufacturer's recommendations, sample fusion log,
97 sequence of work, work areas, and safety measures.
98

99 **Fusion Equipment Experience Requirements.** The fusion
100 equipment and operator shall be required to demonstrate 5 years

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successful field experience on projects of comparable pipe and fitting size. Provide equipment specifications and a list of past projects and verify conformance to these specifications.

(4) Hydrostatic Pressure Testing. Pipeline hydrostatic testing will be used to ensure that a continuous, leak free pipeline is obtained at the completion of the pipeline fabrication and assembly process.

The entire length of the high density polyethylene (HDPE) plastic pipeline including all fittings and fusion joints shall be hydrostatically tested.

Planning and executing the hydrostatic test is the Contractor's responsibility. The Contractor's plan for the execution of this test shall be submitted to the Engineer. The Contractor shall notify the Engineer of the test start time a minimum of 7 days before the planned commencement of the test. A record of the test results, including times, pressures (psi), make up water volumes (gallons), and conclusions shall be submitted to the Engineer by the Contractor. The following are the basic requirements of the hydrostatic test procedure:

- a.** Test pressure for this project shall be 125% of the rated operating pressure of the pipe material. The hydrostatic pressure testing shall be conducted at night when the outside surface temperature of the HDPE pipeline has cooled substantially and is as close to the ambient air temperature at the time of testing as possible.
- b.** The pipeline section under test shall be filled with water in such a way as to remove all air. Fill the pipe slowly until completely full.
- c.** The pipe pressure shall be raised to the test pressure by pumping in water.
- d.** This test pressure shall be maintained over a 4-hour period as the plastic pipe goes through its initial deformation. Make-up water will be added at least each hour to bring the pipe back to the full test pressure. At the completion of the 4-hour test pressure period, the amount of water required to bring the pipeline back to the full test pressure shall be recorded.
- e.** After the initial 4-hour pressurization period, the actual test period shall begin. The pipe will be pressurized to the full test pressure and closed off so no new water can be added during the test period. The test period shall be run for another 1, 2 or 3 hours until the Engineer is satisfied that all joints and hardware connections have been properly inspected for leakage.
- f.** Under no circumstances shall the total time in which the

152 pipe is pressurized to its maximum test pressure exceed 8 hours.
153 If the test is not complete within this time limit (due to leakage,
154 equipment failure, etc.), the tested pipe section shall be permitted
155 to "relax" with no applied internal pressure for a minimum of 8
156 hours before commencing another test sequence on this same
157 pipe section.
158

159 **g.** The hydrostatic pipeline pressure test shall not be
160 conducted by a procedure other than that outlined above without
161 the prior written approval of the Engineer.
162

163 **h.** The Contractor may hydrostatically test various sections of
164 the pipeline by temporarily installing a mechanical clamp and blind
165 flange or by fusing on a HDPE flange adapter, backing ring and
166 blind flange to the open end of the pipeline as long as these
167 temporary blanking off connections are rated for the full test
168 pressure. All fusion joints and mechanical connections in the
169 pipeline section being tested must be fully exposed during the
170 testing process."
171

172 **(IV)** Amend **603.04 – Measurement** by revising lines 282 to 292 to read as
173 follows:

174
175 **“603.04 Measurement.**

176
177 **(A)** The Engineer will measure bed course material for culverts per
178 cubic yard in accordance with contract documents.
179

180 **(B)** The Engineer will measure reinforced concrete pipe, HDPE pipe,
181 and reinforced concrete box culvert per linear foot in accordance with
182 contract documents.
183

184 **(C)** The Engineer will measure cleaning of existing culverts on a force
185 account basis in accordance with Subsection 109.06 - Force Account
186 Provisions and Compensation and as ordered by the Engineer."
187

188 **(V)** Amend **603.05 – Payment** by revising lines 294 to 349 to read as follows:

189
190 **“603.05 Payment.** The Engineer will pay for the accepted pay items listed
191 below at the contract price per pay unit, as shown in the proposal schedule.
192 Payment will be full compensation for the work prescribed in this section and
193 contract documents.
194

195 The Engineer will pay for each of the following pay items when included in
196 the proposal schedule:

Pay Item	Pay Unit
Bed Course Material for Culvert	Cubic Yard

201		
202	_____ - Inch Reinforced Concrete Pipe, Class _____	Linear Foot
203		
204	_____ - Inch HDPE Pipe _____	Linear Foot
205		
206	_____ Box Culvert	Linear Foot
207		
208	Clean Existing Culverts	Force Account"
209		

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END OF SECTION 603

PREFERENCES

Bidders agree that preferences shall be taken into consideration to determine the low bidder in accordance with said Sections and the rules promulgated, however, the award of contract will be in the amount of the bid offered exclusive of any preferences.

A. APPRENTICESHIP PROGRAMS PREFERENCE

In accordance with ACT 17, SLH 2009 – Apprenticeship Program and the Bipartisan Infrastructure Law Section 25019(a), a 5% bid adjustment for bidders that are parties to apprenticeship agreements pursuant to Hawaii Revised Statutes (HRS) Section 103-55.6 may be applied to the bidder's price for evaluation purposes.

Any bidder seeking this preference must be a party to an apprenticeship agreement registered with the Department of Labor and Industrial Relations at the time the offer is made for each apprenticeable trade the bidder will employ to construct the public works projects for which the offer is being made.

The bidder is responsible for complying with all submission requirements for registration of its apprenticeship program before requesting the preference.

() Yes, I wish to be considered for the Apprenticeship Programs Preference. I have included Certification Form(s) 1 with my bid.

PROPOSAL SCHEDULE - HANAIEI HILLS

ITEM NO.	ITEM	APPROX. QUANTITY (A)	UNIT	UNIT PRICE (B)	AMOUNT (A x B)
201.0100	Clearing and Grubbing	2	ACRE	\$ _____	\$ _____
203.0120	Roadway Excavation of Weakened Pavement Areas	495	C.Y.	\$ _____	\$ _____
203.2100	Slope Trimming - Hanalei Hills	3,800	C.Y.	\$ _____	\$ _____
206.2020	Structure Excavation for Drainage System	1,745	C.Y.	\$ _____	\$ _____
209.0100	Installation, Maintenance, Monitoring, and Removal of BMP - Hanalei Hills	L.S.	L.S.	L.S.	\$ _____
209.0200	Additional Water Pollution, Dust, and Erosion Control - Hanalei Hills	F.A.	F.A.	F.A.	\$ <u>100,000.00</u>
301.0100	Hot Mix Asphalt Base Course	755	Tons	\$ _____	\$ _____
304.0100	Aggregate Base	140	C.Y.	\$ _____	\$ _____
305.0100	Aggregate Subbase	325	C.Y.	\$ _____	\$ _____
401.0410	PMA Pavement, Mix No. IV	990	Tons	\$ _____	\$ _____
415.0110	Cold Planing	5,480	S.Y.	\$ _____	\$ _____
603.0010	Bed Course Material for Culvert	330	C.Y.	\$ _____	\$ _____
603.0100	Clean Existing Culverts	F.A.	F.A.	F.A.	\$ <u>20,000.00</u>

ER-24(003)

Addendum No. 1

r12/08/22

P-9

PROPOSAL SCHEDULE - HANAIEI HILLS

ITEM NO.	ITEM	APPROX. QUANTITY (A)	UNIT	UNIT PRICE (B)	AMOUNT (A x B)
603.1010	24-inch Reinforced Concrete Pipe, Class III	1,455	L.F.	\$ _____	\$ _____
603.8000	3.0 ft Wide x 1.5 ft High Box Culvert	70	L.F.	\$ _____	\$ _____
603.9000	24-inch HDPE Pipe, Type S	280	L.F.	\$ _____	\$ _____
604.1000	Type C Manhole, 5.00 feet to 5.99 feet	1	EACH	\$ _____	\$ _____
604.5000	Type 61616P Grated Drop Inlet, 6.00 feet to 6.99 feet	1	EACH	\$ _____	\$ _____
604.6000	Type 61616P Grated Drop Inlet Modified, 5.00 feet to 5.99 feet	2	EACH	\$ _____	\$ _____
604.6100	Type 61616P Grated Drop Inlet Modified, 6.00 feet to 6.99 feet	1	EACH	\$ _____	\$ _____
604.6200	Type 61616P Grated Drop Inlet Modified, 7.00 feet to 7.99 feet	1	EACH	\$ _____	\$ _____
604.7000	Type 61214P Grated Drop Inlet Modified, 4.00 feet to 4.99 feet	2	EACH	\$ _____	\$ _____
604.7100	Type 61214P Grated Drop Inlet Modified, 5.00 feet to 5.99 feet	4	EACH	\$ _____	\$ _____
604.7200	Type 61214P Grated Drop Inlet Modified, 6.00 feet to 6.99 feet	4	EACH	\$ _____	\$ _____
606.2000	W-Beam Metal Guardrail	590	L.F.	\$ _____	\$ _____
606.5000	Terminal Section (MSKT or Approved Equal)	1	EACH	\$ _____	\$ _____
607.1000	6-Foot, Chain Link Fence with Top Rail	290	L.F.	\$ _____	\$ _____

ER-24(003)

Addendum No. 1

r12/08/22

P-10

PROPOSAL SCHEDULE - HANAIEI HILLS

ITEM NO.	ITEM	APPROX. QUANTITY (A)	UNIT	UNIT PRICE (B)	AMOUNT (A x B)
612.1000	Grouted Rubble Paving	41	C.Y.	\$ _____	\$ _____
619.1000	Vines (Bougainvillea, Awikiwiki, Prince Kuhio, Pink Mandevilla), Soil Amendments, Black Cinder, Temporary Irrigation, and Plant Establishment Period	L.S.	L.S.	L.S.	\$ _____
621.1000	Inventory of Invasive Species before Construction - Hanalei Hills	L.S.	L.S.	L.S.	\$ _____
621.2000	Invasive Species Removal Plan - Hanalei Hills	F.A.	F.A.	F.A.	\$ <u>13,000.00</u>
621.3000	Removal of Plants and Animals Established before Physical Construction or Site Work, Post-removal Monitoring - Hanalei Hills	F.A.	F.A.	F.A.	\$ <u>70,000.00</u>
621.4000	Monitoring of Invasive Species during and after-Construction - Hanalei Hills	L.S.	L.S.	L.S.	\$ _____
621.5000	Post-Construction Inventory Prior to Returning the Site to the State - Hanalei Hills	L.S.	L.S.	L.S.	\$ _____
629.1004	4-Inch Pavement Striping (Type III Tape or Thermoplastic Extrusion)	200	LF	\$ _____	\$ _____
629.1014	4-Inch Double Pavement Striping (Type III Tape or Thermoplastic Extrusion)	1,940	LF	\$ _____	\$ _____

PROPOSAL SCHEDULE - HANAIEI HILLS

ITEM NO.	ITEM	APPROX. QUANTITY (A)	UNIT	UNIT PRICE (B)	AMOUNT (A x B)
629.1024	6-Inch Pavement Striping (Type III Tape or Thermoplastic Extrusion)	2,705	LF	\$ _____	\$ _____
629.1036	8-Inch Pavement Striping (Type III Tape or Thermoplastic Extrusion)	1,715	LF	\$ _____	\$ _____
629.1054	12-Inch Pavement Striping (Type III Tape or Thermoplastic Extrusion)	30	LF	\$ _____	\$ _____
629.1110	Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)	2	Each	\$ _____	\$ _____
629.1130	Yield Line (Tape, Type III or Thermoplastic Extrusion)	1	Lane	\$ _____	\$ _____
629.1135	Stop Bar (Tape, Type III or Thermoplastic Extrusion)	2	Lane	\$ _____	\$ _____
629.2020	Type C Pavement Marker	220	Each	\$ _____	\$ _____
629.2030	Type D Pavement Marker	400	Each	\$ _____	\$ _____
631.0100	Regulatory Sign (10 Square Feet or Less) with Post	1	Each	\$ _____	\$ _____
632.0500	Milepost Marker with Post (Bi-Directional)	1	Each	\$ _____	\$ _____
638.2010	Gutter, Type 2 61214	868	L.F.	\$ _____	\$ _____

PROPOSAL SCHEDULE - HANAIEI HILLS

ITEM NO.	ITEM	APPROX. QUANTITY (A)	UNIT	UNIT PRICE (B)	AMOUNT (A x B)
638.2012	Gutter, Type 2 61616	618	L.F.	\$ _____	\$ _____
638.2014	Gutter, Type 2 61612	87	L.F.	\$ _____	\$ _____
643.0110	Maintenance of Existing Landscape Areas - Hanalei Hills	FA	FA	FA	\$ <u>40,000.00</u>
645.1000	Traffic Control - Hanalei Hills	L.S.	L.S.	L.S.	\$ _____
645.2000	Additional Police Officers, Additional Traffic Control Devices, and Advertisement - Hanalei Hills	FA	FA	FA	\$ <u>100,000.00</u>
648.1000	Field-Posted Drawings - Hanalei Hills	L.S.	L.S.	L.S.	\$ _____
657.0100	Grouted Soil Anchor for Anchored Wire Mesh (20 feet deep with Spike Plate and Cap) - Hanalei Hills	22,600	L.F.	\$ _____	\$ _____
657.0200	Added Grouted Soil Anchor Length for Anchored Wire Mesh (Up to 30 feet deep with Coupler to add to 20-foot Soil Nail) - Hanalei Hills	11,300	L.F.	\$ _____	\$ _____
657.0300	Added Grouted Soil Anchor Length for Anchored Wire Mesh (Up to 40 feet deep with Coupler to add to 30-foot Soil Nail) - Hanalei Hills	11,300	L.F.	\$ _____	\$ _____
657.0400	Pre-Production Sacrificial Grouted Soil Anchor Verification Tests - Hanalei Hills	4	EACH	\$ _____	\$ _____

PROPOSAL SCHEDULE - HANAIEI HILLS

ITEM NO.	ITEM	APPROX. QUANTITY (A)	UNIT	UNIT PRICE (B)	AMOUNT (A x B)
657.0500	Grouted Soil Anchor Proof Tests - Hanalei Hills	60	EACH	\$ _____	\$ _____
657.0600	Anchored Wire Mesh System - Hanalei Hills	63,000	S.F.	\$ _____	\$ _____
657.2000	Repairs to Lower Hanalei Slope Soil Nails	F.A.	F.A.	F.A.	\$ <u>120,000.00</u>
671.1000	Protection of Endangered Species - Hanalei Hills	F.A.	F.A.	F.A.	\$ <u>40,000.00</u>
696.1000	Field Office Trailer (Not to Exceed \$32,000)	L.S.	L.S.	L.S.	\$ _____
696.1100	Maintenance of Trailers	F.A.	F.A.	F.A.	\$ <u>25,000.00</u>
699.1000	Mobilization - Hanalei Hills (Not to exceed 6 percent of the sum of all items excluding the bid price of this item)	L.S.	L.S.	L.S.	\$ _____

Sum of all Contract Items - Hanalei Hills.....(C) \$ _____

NOTES:

1. Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.
2. Bids shall include all Federal, State, County and other applicable taxes and fees.
3. If a discrepancy occurs between the Unit Price **(B)** and the Amount **(A x B)**, the Unit Price **(B)** shall govern.

PROPOSAL SCHEDULE - WAIKOKO

ITEM NO.	ITEM	APPROX. QUANTITY (A)	UNIT	UNIT PRICE (B)	AMOUNT (A x B)
203.0100	Roadway Excavation	20	C.Y.	\$ _____	\$ _____
203.2101	Slope Trimming - Waikoko	1,400	C.Y.	\$ _____	\$ _____
209.0101	Installation, Maintenance, Monitoring, and Removal of BMP - Waikoko	L.S.	L.S.	L.S.	\$ _____
209.0201	Additional Water Pollution, Dust, and Erosion Control - Waikoko	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
621.1001	Inventory of Invasive Species before Construction - Waikoko	L.S.	L.S.	L.S.	\$ _____
621.2001	Invasive Species Removal Plan - Waikoko	F.A.	F.A.	F.A.	\$ <u>7,000.00</u>
621.3001	Removal of Plants and Animals Established before Physical Construction or Site Work, Post-removal Monitoring - Waikoko	F.A.	F.A.	F.A.	\$ <u>30,000.00</u>
621.4001	Monitoring of Invasive Species during and after-Construction - Waikoko	L.S.	L.S.	L.S.	\$ _____
621.5001	Post-Construction Inventory Prior to Returning the Site to the State - Waikoko	L.S.	L.S.	L.S.	\$ _____
643.0111	Maintenance of Existing Landscape Areas - Waikoko	FA	FA	FA	\$ <u>10,000.00</u>
645.1001	Traffic Control - Waikoko	L.S.	L.S.	L.S.	\$ _____

PROPOSAL SCHEDULE - WAIKOKO

ITEM NO.	ITEM	APPROX. QUANTITY (A)	UNIT	UNIT PRICE (B)	AMOUNT (A x B)
645.2001	Additional Police Officers, Additional Traffic Control Devices, and Advertisement - Waikoko	FA	FA	F.A.	\$ <u>50,000.00</u>
648.1001	Field-Posted Drawings - Waikoko	L.S.	L.S.	L.S.	\$ _____
657.0101	Grouted Soil Anchor for Anchored Wire Mesh (20 feet deep with Spike Plate and Cap) - Waikoko	18,000	L.F.	\$ _____	\$ _____
657.0201	Added Grouted Soil Anchor Length for Anchored Wire Mesh (Up to 30 feet deep with Coupler to add to 20-foot Soil Nail) - Waikoko	9,000	L.F.	\$ _____	\$ _____
657.0301	Added Grouted Soil Anchor Length for Anchored Wire Mesh (Up to 40 feet deep with Coupler to add to 30-foot Soil Nail) - Waikoko	9,000	L.F.	\$ _____	\$ _____
657.0401	Pre-Production Sacrificial Grouted Soil Anchor Verification Tests - Waikoko	4	EACH	\$ _____	\$ _____
657.0501	Grouted Soil Anchor Proof Tests - Waikoko	50	EACH	\$ _____	\$ _____
657.0601	Anchored Wire Mesh System - Waikoko	44,500	S.F.	\$ _____	\$ _____
671.1001	Protection of Endangered Species - Waikoko	F.A.	F.A.	F.A.	\$ <u>35,000.00</u>

PROPOSAL SCHEDULE - WAIKOKO

ITEM NO.	ITEM	APPROX. QUANTITY (A)	UNIT	UNIT PRICE (B)	AMOUNT (A x B)
695.0101	Positive Protection Barrier - Waikoko	40	EACH	\$ _____	\$ _____
699.1001	Mobilization - Waikoko (Not to exceed 6 percent of the sum of all items excluding the bid price of this item)	L.S.	L.S.	L.S.	\$ _____
Sum of all Contract Items - Waikoko.....(D)					\$ _____
<p>NOTES:</p> <ol style="list-style-type: none"> 1. Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid. 2. Bids shall include all Federal, State, County and other applicable taxes and fees. 3. If a discrepancy occurs between the Unit Price (B) and the Amount (A x B), the Unit Price (B) shall govern. 					

PROPOSAL SUMMARY

Total Amount for Comparison of Bids - Hanalei Hills (from Page P-13).....(C) \$ _____

Total Amount for Comparison of Bids - Waikoko (from Page P-16).....(D) \$ _____

Total Amount for Comparison of Bids.....(C + D) \$

NOTES:

1. Bidders must complete all unit prices and amounts on previous proposal pages. Failure to do so may be grounds for rejection of bid.
2. Bids shall include all Federal, State, County and other applicable taxes and fees.
3. If a discrepancy occurs between the Unit Price **(B)** and the Amount **(A x B)**, the Unit Price **(B)** shall govern.
4. The Total Amount for Comparison of Bids will be used to determine the lowest responsible bidder.

1 **PROPOSAL SCHEDULE**

2
3 The bidder is directed to Subsection 105.16 – Subcontracts.

4
5 The bidder's attention is directed to Sections 696 - Field Office and Project
6 Site Laboratory and 699 - Mobilization for the limitation of the amount bidders are
7 allowed to bid.

8
9 If the bid price for any proposal item having a maximum allowable bid
10 indicated therefore in any of the contract documents is in excess of such a
11 maximum amount, the bid price for such proposal item shall be adjusted to reflect
12 the limitation thereon. The comparison of bids to determine the successful
13 bidder and the amount of contract to be awarded shall be determined after such
14 adjustments are made, and such adjustments shall be binding upon the bidder.

15
16 The bidder is directed to Section 717 – Cullet and Cullet-Made Materials
17 regarding recycling of waste glass.

MINUTES OF THE PRE-BID MEETING

- PROJECT:** Kuhio Highway, Emergency Slope Stabilization for Hanalei Hills and Waikoko District of Hanalei, Island of Kauai
- PROJECT NO.:** ER-24(003)
- LOCATION:** Microsoft Teams Video Conference
- DATE & TIME:** November 23, 2022 at 10:00 A.M.
- IN ATTENDANCE:**
- | | |
|-----------------|------------------------------------|
| Eric Fujikawa | HDOT – HWY-K |
| Larry Dill | HDOT – HWY-K |
| Daniel Williams | HDOT – OCR |
| Gary Iwamoto | KSF, Inc. |
| Randall Urasaki | WSP USA, Inc. |
| Same Geiges | Access Limited Construction |
| Jerry Nishek | Kauai Nursery and Landscaping |
| David Koseki | Hawaiian Dredging Construction Co. |
| Alyssa Carveiro | Earthworks Pacific, Inc. |
| Peter Gooding | Prometheus Construction |
| Ben Procter | Prometheus Construction |
| Govi Tillotson | Prometheus Construction |

The meeting started at 10:00 A.M. Eric Fujikawa began the meeting with an introduction and gave a brief overview of the project.

Anything said at this meeting is for clarification purposes only, the bid documents shall govern over anything said today and discrepancies shall be clarified by addendum.

All questions that resulted from this meeting were directed to be submitted through HiePRO and will be formally answered through the addendum.

The DBE goal of the project is 0.9%. Dan Williams provided an overview of DBE forms and requirements when submitting a bid. Links were provided to the bidder registration form (<https://hidot.hawaii.gov/administration/files/2019/03/Bidder-Registration-Fillable-Form.pdf>) and the DBE system website (<https://hdot.dbesystem.com/>).

The following questions were raised at the meeting:

Question #1: Do you know who will be the CM group at this time?

Response: The CM will be determined by our Construction Section after project is awarded.

Question #2: Hydromulch seeding, is there a maintenance requirement?

Response: We will look into it and clarify via addendum, if needed.

The pre-bid meeting was adjourned at 10:20 A.M.

The minutes of the meeting will be distributed in Addendum No. 1 of the Contract Plans. Contractors will be notified via HiePRO when the addendum will be available.

**Responses to HlePRO Questions for solicitation: B23001006
Kuhio Hwy Emergency Slope Stab. for Hanalei Hills and Waikoko
Project No. ER-24(003)**

1. What is the anticipated start date of this project?

RESPONSE: The project will start after the contract is executed with the awarded contractor.

2. Is the gutter excavation paid through the roadway excavation item? Please clarify.

RESPONSE: Per Plan Sheet 37, Gutter Notes #2: Payment for excavation for gutter shall be incidental to gutter type.

3. Can cold plane joints be cut perpendicular to travel way with milling machine or do they need to be sawcut?

RESPONSE: Cold plane joints shall be sawcut. Use of a milling machine will not be acceptable.

4. Will cold plane material become property of the state and hauled to designated state yard?

RESPONSE: Cold Plane material shall become the property of the Contractor. Disposal of material is the responsibility of the Contractor.

5. Typical trench restoration detail on sheet D-7 calls for the full reconstruction section over the trench. Sheets R-2 through R-4 only call for a 2" grind and overlay over the new storm drain. Please provide applicable roadway restoration over storm drain trench.

RESPONSE: Full depth pavement reconstruction as shown on Sheet D-7 shall be used for all trench areas within the AC pavement limits. See attached Addendum Plans.

6. In regards to the grated drain inlets, can Ram-Neck be used in the tongue & groove instead of flashing compound on both sides of the joint?

RESPONSE: Use flashing compound waterproofing at joints.

7. Confirm location of 6" HDPE outlet at tunnel entrance. Plan is drawn to connect at end of tunnel while notes are pointing at area behind the GRP

RESPONSE: See attached Addendum Plans for revisions.

8. Is it acceptable to place pipe bed course material over the top of the drain pipe up to the bottom of the roadway section as trench backfill material to allow for faster trench restoration. The majority of the drain line is located in the highway and will require the trench to be plated at the end of every shift. Allowing bed course over the pipe will limit the amount of time trench plates will need to be used on the highway.

RESPONSE: It is acceptable to use pipe bed course material to the bottom of the roadway section as trench backfill material. However, Contractor shall be responsible for water pressure relief in the trench as water will accumulate in the pipe bed course material.

9. Per note 2 on sheet 55, obtaining right of entry to utilize the properties beyond the right of way shown during construction is the responsibility of the contractor. Please clarify what, if anything, has been done to this point to notify or work with applicable property owners.

RESPONSE: HDOT coordinated right of entries have been provided in the bid documents. Contractor is responsible for all other properties.

10. Proposal item 695.0100 calls for positive protection barriers at hanalei hill but none are shown on plans, please clarify.

RESPONSE: This item has been deleted from the proposal schedule.