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CWB NOI Form

version 1.17

(Submission #: HPM-AX9N-E9DFR, version 1)

Details

Submitted 9/15/2022 (0 days ago) by Benjamin Gochenouer
Submission ID HPM-AX9N-E9DFR
Submission Reason New
Status Submitted
Active Steps Assign To

Fees

Base Fee (non-refundable) \$500.00
Payments/Adjustments (\$500.00)
Balance Due \$0.00 (Paid)

Form Input

NPDES General Permit Requirements

Select the general permit you are requesting coverage under.

Appendix C - Storm Water Associated with Construction Activity

Are you conducting earth-disturbing activities in response to a public emergency that meets the eligibility requirements under HAR, Chapter 11-55, Appendix C, Sections 1.3 and 7.2.3?

No

Notice of Intent (NOI) General Requirements

By submitting this NOI application, you are certifying the following statements:

- I read HAR, Chapters 11-54 and 11-55;
- I understand that State law prohibits any water pollutant to be discharged to a State water except in compliance with HAR, Chapters 11-54 and 11-55;
- I understand that the NPDES General Permits are a privilege and not my right or entitlement;
- I understand that the NPDES General Permits are rules, not permits to be issued;
- I understand that the NPDES General Permits only authorize a specific discharge/activity when I comply with all conditions of the NPDES General Permit;
- I have read every condition of the NPDES General Permit I am requesting coverage under;
- I have determined that my project/activity and organization can, and will, comply with every condition of the applicable NPDES General Permit, and any and all legal obligations;
- I understand that I may only submit the NOI after determining that my project/activity and organization can, and will, comply with every condition of the applicable NPDES General Permit;
- I understand that if I cannot comply with any condition of the NPDES General Permit I need to either fix my organization so that I can comply or I cannot discharge water pollutants to State waters;
- I understand that the Notice of General Permit Coverage (NGPC) is not a permit; it is an authorization to comply with the already issued NPDES General Permit;
- I will design, implement, operate, and maintain appropriate treatment/controls to ensure that my activity/discharge will not violate HAR, Chapters 11-54 and 11-55;
- I have reported any "after the fact" discharges to the CWB enforcement section; and
- The information provided in this application does not include "after the fact" discharges/activities.

I certify under penalty of law that my proposed discharge will not impair any State waters (including but not limited to rivers, streams, wetlands, ponds, ground waters, and ocean), Native Hawaiian cultural resources (including but not limited to burial sites/iwi, heiau, and taro loi), or the exercise of traditional Native Hawaiian cultural practices.
Yes, I certify.

Is this an NOI to continue coverage under a newly re-adopted general permit? This means that you either have a currently effective or administratively extended NGPC under the previous general permit.
No

Is this an NOI to request new or amended coverage (including non-automatic transfers of ownership) for an already permitted facility? Please note that a new NGPC must be issued prior to the project commencing the new activities that are not covered under the currently issued NGPC or NPDES permit.
No

Permittee Information

Operator Applying to Obtain Permit Coverage on Behalf of Owner

Operators may apply for and receive NPDES permit coverage on behalf of the Owner provided that authorization is granted by the Owner.

If an Operator specifies that they are applying to obtain NPDES permit coverage on behalf of the Owner, the permit will be issued to the Operator and will be the legal entity that the permit coverage is issued to.

Do NOT specify that the Operator is applying on behalf of the Owner if the Operator is only preparing the NOI for the Owner and WILL NOT be designated as the Permittee.

This option is to allow for Operators to be designated as the Permittee for projects that are owned by a different entity.

Is the Permittee the operator of the project or activity applying on behalf of the project or activity owner?
No

Select the Permittee Organization Type

State

Permittee Legal Name

State of Hawaii

Permittee Department/Office

Department of Transportation

Permittee Division/Program (Optional)

Highways Division

Permittee Mailing Address

869 Punchbowl St
Room 509
Honolulu, HI 96813

Permittee Street Address

869 Punchbowl St
Honolulu, HI 96813

Select the appropriate signatory type and confirm that the Certifying Person meets the requirements for the corresponding type. The Certifying Person has to meet the applicable requirement and be employed by the Permittee.

State Agency

State Agency

I certify that for a state agency, I am a principal executive officer or ranking elected official.

Certifying Person Salutation

Mr.

Certifying Person Information

First Name	Last Name	
Jade	Butay	
Title		
Director of Transportation		
Phone Type	Number	Extension
Business	808-587-2150	

Certifying Person Email

Jade.Butay@hawaii.gov

Permittee Contact Salutation

Mr.

Permittee Contact Information

First Name	Last Name	
Andrew	Hirano	
Title		
Project Manager		
Phone Type	Number	Extension
Business	808-692-7546	

Permittee Contact Email

Andrew.J.Hirano@hawaii.gov

Do you wish to designate an authorized representative?

Yes

Authorization

The Certifying Person hereby authorizes the named individual or any individual occupying the named position of the company/organization listed below to act as our representative to submit information/documents necessary to complete the NOI or NPDES permit application to discharge to State waters from the subject facility. The Permittee hereby agrees to comply with and be responsible for all NPDES permit conditions.

Our representative is further authorized to submit information/documents for compliance with the NPDES permit conditions. The Authorized Representative is also granted any other signatory authorizations as identified in the applicable NPDES permit.

This authorization begins with NOI or NPDES permit application processing and ends upon authorization of a new authorized representative or receipt of the NOC by the CWB. The Permittee is responsible for all information/documents submitted by the duly authorized representative for completion of the NOI or NPDES permit application and for compliance with the NPDES permit conditions.

The Certifying Person attests that the authorized representative meets the requirements of HAR 11-55-07(b). Both the Certifying Person and authorized representative understand that they can be subject to civil and criminal liability for non-compliance with NPDES permit conditions, non-compliance with HAR Chapters 11-54 and 11-55, and for falsifying information.

Are you designating an individual or position?

Individual

Authorized Representative Salutation

Mr.

Authorized Representative Information**First Name** **Last Name**Michael *Medeiros***Title***Oahu District Engineer***Organization Name***Department of Transportation, Highways Division***Phone Type** **Number** **Extension**

Business 808-831-6700 128

Authorized Representative Email

Mike.Medeiros@hawaii.gov

Authorized Representative Mailing Address

727 KAKOI ST

HONOLULU, HI 96819

Authorized Representative Street Address

727 KAKOI ST

Honolulu, HI 96819

Facility/Project Information**Facility/Project Type of Ownership**

State

Facility Organization Formal Name

State of Hawaii Department of Transportation

Facility Site or Project Name

Kamehameha Highway, Intersection Improvements at Kahekili Highway

City where the project/facility is located.

Kaneohe

Island where the project/facility is located.

Oahu

Facility/Project Mailing Address

601 Kamokila Boulevard

#609

Kapolei, HI 96707

Provide the Facility/Project site address. If no formal street address exists (e.g., for projects constructing new developments with no currently existing roads) enter a location description instead. You must still enter a City, State, and ZIP Code.

Intersection of Kahekili Hwy and Kamehameha Highway

Kaneohe, HI 96744

TMK Nos.

Division (e.g., 1)	Zone (e.g., 9)	Section (e.g., 7)	Plat (e.g., 025)	Portion, Parcel, or Lot (e.g., Lots 1-10, 15, & 20)
1	4	7	11	NONE PROVIDED
1	4	7	23	NONE PROVIDED
1	4	7	26	NONE PROVIDED
1	4	7	28	NONE PROVIDED

Facility/Project Site Front Gate Location Coordinates or Start of Linear Construction Location Coordinates
21.45721965281289,-157.837968963975

Facility/Project Contact Affiliation
Main Contact

Facility/Project Contact Salutation
Mr.

Facility/Project Contact Person Information

First Name	Last Name	
Joseph	Salvador	
Title		
Project Manager		
Organization Name		
WSP USA		
Phone Type	Number	Extension
Business	808-566-2249	

Facility/Project Contact Person Email
Joseph.Salvador@wsp.com

Standard Industrial Classification (SIC) and North American Industry Classification System (NAICS) Codes

Provide your primary SIC and NAICS code associated with your facility and any co-located activities. The primary SIC and NAICS code are the codes that best describe the primary economic activity at the facility. For co-located activities covered by multiple SIC codes, it is recommended that the primary industrial determination be based on the value of receipts or revenues or, if such information is not available for a particular facility, the number of employees or production rate for each process may be compared. The operation that generates the most revenue or employs the most personnel is the operation in which the facility is primarily engaged. In situations where the vast majority of on-site activity falls within one SIC code, that activity may be the primary industrial activity.

Sector and subsector information are only applicable for industrial storm water coverages.

For construction activities, the SIC code(s) are those that most accurately describe the activities of the Permittee.

SIC Codes

SIC Codes may be found at the link below.

[SIC Codes](#)

NAICS Codes

NAICS Codes may be found at the link below. Click on Concordances to access the SIC to NAICS code spreadsheets.

[NAICS Codes](#)

Primary SIC and NAICS Code

Primary SIC Code	Corresponding NAICS Code	Sector	Subsector
1611	23		

Are there any additional SIC and NAICS codes?

No

Existing or Pending Permits, Licenses or Approvals

Provide the permit number for any applicable Federal, State, or County permits, licenses, or approvals for the project.

Other permits, licenses and approvals include but are not limited to:

- NPDES Individual Permit
- NPDES NGPC
- Section 401 WQC
- Individual Wastewater System Approval
- Recycled Water Reuse Permit
- Hazardous Waste Permit
- Solid Waste Management Permit
- Underground Storage Tank Permit

- Underground Injection Control Permit
- Agricultural Burning Permit
- Air Pollution Control Permit
- Department of the Army Permit (Section 404)

Note: If your project requires work in, above, under or adjacent to State waters, please contact the Army Corps of Engineers (USACE) Regulatory Branch at (808) 438-9258 regarding their permitting requirements.

Are there any other existing or pending NPDES permits/NGPCs associated with this project/facility?

No

Are there any other existing or pending (non-NPDES) permits, licenses or approvals associated with this project/facility?

Yes

Permits, Licenses, or Approvals

Permit, License, or Approval	Status	File Number (or Other Identifier) if Applicable
Other: HRS Ch.195D	Approved	Log No. 2972
Other: HRS Ch.343	Approved	NONE PROVIDED
Other: CZM	Approved	Reference No. P-13047
Other: EFH	Approved	NONE PROVIDED
Other: Section 7	Approved	NONE PROVIDED
Other: Section 106	Approved	NONE PROVIDED
Other: SMA	Approved	NONE PROVIDED

Is the facility on the Superfund Amendments and Reauthorization Act (SARA)313 list?

No

Topographic Map(s)

Attach a topographic map or maps to this submission of the area extending at least one mile beyond the property boundaries of the site which clearly show the following:

1. Island on which the project/facility is located;
2. Legal boundaries of the site;
3. Location and an identification number for each of the site's existing and proposed intake and discharge structures; and
4. Receiving state water(s) and receiving storm water drainage system(s) identified and labeled. If the receiving state water is a wetland, submit a map showing the delineated wetland.

Specify the names of the map(s) that identify these items below.

Topographic Maps

[Attachment 4 Discharge Point Map.pdf - 08/31/2022 12:19 PM](#)

[Attachment 3 StateWater.pdf - 08/31/2022 12:19 PM](#)

[Attachment 1 LocMap.pdf - 08/31/2022 12:19 PM](#)

[Attachment 2 VicMap.pdf - 08/31/2022 12:19 PM](#)

Comment

NONE PROVIDED

Required Maps

Required Map	Submitted Map(s) Name(s)
Island on Which the Project/Facility is Located	Attachment 1 Location Map
Legal Boundaries of the Site	Attachment 2 Property Boundary Map
Location and an Identification Number for Each of the Site's Existing and Proposed Intake and Discharge Structures (i.e., discharge points/outfalls)	Attachment 4 Drainage Mapping
Receiving State Water(s) and Receiving Storm Water Drainage System(s) Identified and Labeled and Wetland Delineations	Attachment 3 State Waters Map

Required Map	Submitted Map(s) Name(s)
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Permitted Feature(s) Information (1 of 5)

Permitted Feature Type

External Outfall

Receiving State Waters Name for Permitted Feature

Kahaluu Stream

Watershed Name for Permitted Feature

Heeia

Receiving State Water Classification

Class 2, Inland

Receiving Water Type

Stream, Natural Ditch, Natural Gulch

Permitted Feature Identifier (Name, e.g., 001, 002, 003, etc.)

DP #1

Permitted Feature Location

21.45697,-157.83843

Is the receiving State water on the Section 303(d) List?

Yes

Provide the impairment pollutant(s).

Enterococci did not meet the water quality standard during wet and dry seasons. Turbidity met the water quality standard during wet season.

Has a DOH established and EPA approved TMDL been completed for the impaired waterbody?

No

Permitted Feature(s) Information (2 of 5)

Permitted Feature Type

External Outfall

Receiving State Waters Name for Permitted Feature

Kahaluu Stream

Watershed Name for Permitted Feature

Heeia

Receiving State Water Classification

Class 2, Inland

Receiving Water Type

Stream, Natural Ditch, Natural Gulch

Permitted Feature Identifier (Name, e.g., 001, 002, 003, etc.)

DP #2

Permitted Feature Location

21.45838,-157.83935

Is the receiving State water on the Section 303(d) List?

Yes

Provide the impairment pollutant(s).

Enterococci did not meet the water quality standard during wet and dry seasons. Turbidity met the water quality standard during wet season.

Has a DOH established and EPA approved TMDL been completed for the impaired waterbody?

No

Permitted Feature(s) Information (3 of 5)**Permitted Feature Type**

External Outfall

Receiving State Waters Name for Permitted Feature

Kahaluu Stream

Watershed Name for Permitted Feature

Heeia

Receiving State Water Classification

Class 2, Inland

Receiving Water Type

Stream, Natural Ditch, Natural Gulch

Permitted Feature Identifier (Name, e.g., 001, 002, 003, etc.)

DP #3

Permitted Feature Location

21.45663,-157.83777

Is the receiving State water on the Section 303(d) List?

Yes

Provide the impairment pollutant(s).

Enterococci did not meet the water quality standard during wet and dry seasons. Turbidity met the water quality standard during wet season.

Has a DOH established and EPA approved TMDL been completed for the impaired waterbody?

No

Permitted Feature(s) Information (4 of 5)**Permitted Feature Type**

External Outfall

Receiving State Waters Name for Permitted Feature

Kahaluu Stream

Watershed Name for Permitted Feature

Heeia

Receiving State Water Classification

Class 2, Inland

Receiving Water Type

Stream, Natural Ditch, Natural Gulch

Permitted Feature Identifier (Name, e.g., 001, 002, 003, etc.)

DP #4A

Permitted Feature Location

21.45470,-157.83651

Is the receiving State water on the Section 303(d) List?

Yes

Provide the impairment pollutant(s).

Enterococci did not meet the water quality standard during wet and dry seasons. Turbidity met the water quality standard during wet season.

Has a DOH established and EPA approved TMDL been completed for the impaired waterbody?

No

Permitted Feature(s) Information (5 of 5)

Permitted Feature Type

External Outfall

Receiving State Waters Name for Permitted Feature

Kahaluu Stream

Watershed Name for Permitted Feature

Heeia

Receiving State Water Classification

Class 2, Inland

Receiving Water Type

Stream, Natural Ditch, Natural Gulch

Permitted Feature Identifier (Name, e.g., 001, 002, 003, etc.)

DP #4B

Permitted Feature Location

21.457339,-157.838997

Is the receiving State water on the Section 303(d) List?

Yes

Provide the impairment pollutant(s).

Enterococci did not meet the water quality standard during wet and dry seasons. Turbidity met the water quality standard during wet season.

Has a DOH established and EPA approved TMDL been completed for the impaired waterbody?

No

Receiving Drainage System(s) Information (1 of 1)

Does the discharge enter a STORMWATER DRAINAGE SYSTEM before discharging into the receiving State Waters?

Yes

Drainage System Owner's Name

State of Hawaii Department of Transportation

Drainage System Owner's Approval

Please submit the Drainage System owner's approval to allow the subject discharge to enter their Drainage System. If the project owner also owns the Drainage System, you do not have to submit the approval.

Is the Drainage System Owner the same as the Permittee?

Yes

Please select one of the following.

Municipal - System is municipally owned and the appropriate Department will be informed and approval granted.

Do you have the Drainage System Owner's Approval to Discharge?

Yes. The Drainage System Owner is the same as the Permittee and I will not attach a copy of approval to discharge with this form.

Additional Drainage Systems

If there are additional Drainage Systems that may receive discharges or stormwater runoff from the project, select the "Add New" button below and fill out the required information. Continue this process until all Drainage Systems that may receive discharges or stormwater runoff from the project are identified. Additional drainage systems cannot be added once the NGPC is issued.

NOI Form C

C.1 - General Information

You are required to fulfill all requirements. By submitting the NOI, you are certifying the following statements:

- I prepared a Storm Water Pollution Prevention Plan (SWPPP) in accordance with HAR, Chapter 11-55, Appendix C, Section 7 prior to submitting this NOI;
- I will comply with all terms, conditions, and requirements in HAR Chapter 11-55, Appendix C;
- I will implement, operate, and maintain my SWPPP to ensure that storm water discharges associated with construction activities will not violate HAR, Chapter 11-54; HAR, Chapter 11-55; and HAR, Chapter 11-55, Appendix C;

C.2 - Existing Pollution Sources/History of Land Use

Describe the history of land use at the existing Facility/Project site:

The project site is at the intersection of Kamehameha Highway and Kahekili Highway in Kahaluu. The project area, including the staging area, has been previously disturbed due to the initial construction of Kamehameha highway (in the 1920s), Kahekili Highway (in the late 1960s) and decades of utility installation, removal, and upgrades within the ROW of Kamehameha/Kahekili intersection.



Determine if the existing Facility/Project site may contain any existing pollution source(s) by using the following references. Select all references you utilized to determine existing pollution source(s). You are required to check at least one reference.

Phase I and/or Phase II Environmental Site Assessments, as applicable
Past land use history

Describe any existing pollution source(s) identified in the references you selected above.

A Phase II Environmental Site Assessment was conducted at the former site of Texaco Service Station No. 61-100-0180 (current location of Aloha Petroleum Ltd.) at 47-515 Kamehameha Highway on April 28, 1998. Relevant findings include the detection of methylene chloride, acenaphthene, benzo(a)pyrene, fluoranthene, naphthalene and total lead in soil samples. As well as the detection of benzene, toluene, and xylenes in groundwater monitoring wells. This site does not overlap but is directly adjacent with the footprint of the project.

Hazard Evaluation and Emergency Response (HEER) Office

You are also required to check the Department of Health, Hazard Evaluation and Emergency Response (HEER) Office Sites, Incidents and Records through the  Viewer  in iHEER at the link below.

Note: The HEER Office is currently updating site information for sites. Most, but not all sites may be displayed on the viewer map. Site Document data upload is ongoing and not all documents may be currently available via this website. To get the complete record for the site, a record request form can be filled and submitted to the HEER Office. The request form can be at: <https://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/public-records>. Users will then be notified when they are able to download all information via the iHEER system website.

[iHEER](#)



Describe any existing pollution source(s) identified in the references you checked above and from HEER Office Sites, Incidents and Records

iHEER ID 2607 is the former Texaco Service Station, current 7-11/Aloha Gas Station, located at 47-515 Kamehameha Hwy.

Describe any corrective measures that have been undertaken for any existing pollution source(s):

Corrective measures were not listed in the ESA Phase II Report.

Note

You are required to contact the Department of Health, Office of Hazard Evaluation and Emergency Response at (808) 586-4249 and through e-permitting Form  Notification of Construction Activities  at Form Finder from the link below, if contaminated soil, vapor, or groundwater is known to be present at your project site. Notify at least 90 days prior to surface and subsurface disturbing activities (demolition, building/site configuration changes, grading, excavation, or prior to any other activities) that may

disturb the ground surface at HEER sites. If you missed the 90 days notification time frame, notify the HEER Office as soon as possible to avoid any potential delays regarding your project.

[Notification of Construction Activities Form](#)

C.3 - Construction Site Estimates

Please provide the following estimates for the construction site.

Parameter	Area	Units
Total project area including areas to be left undisturbed	4.08	acres
Construction site area to be disturbed including storage and staging areas	4.08	acres
Impervious area before construction	1.35	acres
Impervious area after construction	1.41	acres

C.4 - Quantity of Storm Water Runoff

Estimate the quantity of storm water runoff during construction when the greatest and/or maximum area of disturbance occurs. Provide the supporting calculations.

Storm Water Runoff Quantity	Units
14.38	Cubic Feet per Second (CFS)

Storm Water Runoff Supporting Calculations

[Attachment 5 Drainage Area Calcs.pdf - 09/10/2022 04:30 PM](#)

Comment

NONE PROVIDED

C.5 - Soil Characterization

Describe the nature of the soil on the project site (including the potential to encounter contaminated soil) and the nature of the fill material to be used.


The project site covers an area with various soil types such as Alaeloa silt clay, Hanalei silt clay, Pearl Harbor clay, and Mixed Land Fill.

C.6 - Nature and Sequence of Construction Activity

What is the nature of the construction activity (Select all applicable activity(ies))?

Road Construction

What is being constructed?

This project proposes to reconfigure the intersection of Kamehameha Highway and Kahekili Highway from a  intersection to a roundabout.

Describe the scope of work and major construction activities you wish to be covered in this NOI, including baseyards and staging areas. You may only include project areas where the locations of impervious structures are known; project areas where the final grades are known; and work areas that will be performed by one (1) general contractor. A separate NOI will be required for all other project areas.

The intersection at Kamehameha Highway and Kahekili Highway in Kahaluu will be reconfigured. The project includes reconstruction of AC Pavement, removing existing pavement, guardrails, and trees; construction curbs, gutters, sidewalk, Portland cement concrete truck apron and bus bay pads and retaining walls; installing guardrails street lighting, geotextiles, signs and pavement markings; relocating bus shelters; modifying drainage system culverts and inlets; adjusting and relocating utilities; cleaning existing culverts; cold planing, erosion and sediment controls; and traffic control.

Is a County-approved Erosion and Sediment Control Plan and/or Grading Permit, where applicable for the activity and schedule for implementing each control, required?

Yes

Is a copy of the County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, attached?

No, the County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, will be submitted at least 30 calendar days before the start of construction activities.

C.7 - Project Site Maps and Construction Plans/Drawings

Attach, title, and identify all maps (pdf - minimum 300 dpi) listed below.

Please reference which maps account for the features listed below.

Project Site Maps and Construction Plans/Drawings

[Attachment 1 LocMap.pdf - 08/31/2022 02:21 PM](#)

[Attachment 6 ConstDwg.pdf - 08/31/2022 02:21 PM](#)

[Attachment 7 FloodZones.pdf - 08/31/2022 02:21 PM](#)

[Attachment 5 Drainage Area Mapping.pdf - 09/10/2022 04:33 PM](#)

Comment

NONE PROVIDED

Vicinity of the project on the island.

Attachment 1 Location Map

Boundaries of 100-Year flood plans.

Attachment 7 Flood Zones

Areas of soil disturbance.

Attachment 6 Construction Drawings

Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed.

Attachment 6 Construction Drawings

Pre-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).

Attachment 5 Drainage Area Mapping

During-Construction Topography (after major grading activities) including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).

Attachment 5 Drainage Area Mapping

Post-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).

Attachment 5 Drainage Area Mapping

C.8 - Construction Schedule

Provide the following estimated dates.

The date when construction activity will begin.

3/28/2023

The date when each major construction activity begins. This includes those activities identified in Section 7.2.5 of HAR 11-55 Appendix C.

Major Construction Activity	Major Construction Activity Begin Date
Mobilization	5/20/2023
Installation of BMPs	5/26/2023
Phase 1- Waterline A	6/9/2023
Phase 1- Waterline B	7/7/2023
Phase 1- Drainage	8/4/2023
Phase 1- Lighting Construction	8/25/2023
Phase 1- Sidewalk Construction	9/22/2023
Phase 1- Bus Stop Construction	10/13/2023
Phase 1- Roadway Construction	11/3/2023
Phase 2- Drainage	11/24/2023
Phase 2- Lighting Construction	12/22/2023
Phase 2- Sidewalk Construction	1/19/2024
Phase 2- Bus Stop Construction	2/9/2024
Phase 2- Roadway Construction	3/1/2024
Phase 3- Drainage	3/22/2024

Major Construction Activity	Major Construction Activity Begin Date
Phase 3- Lighting Construction	4/19/2024
Phase 3- Sidewalk Construction	5/17/2024
Phase 3- Roundabout Apron Construction	6/7/2024
Phase 3- Roadway Construction	7/5/2024
Phase 4- Median Construction	8/2/2024
Phase 4- Final Paving	8/30/2024
Phase 4- Striping and Signage	9/27/2024
Site Clean up and Restoration	10/18/2024
Demobilization	11/7/2024

The date when the Notice of Cessation form will be submitted.
03/26/2025

Additional Information

Additional Information

NONE PROVIDED

Comment

NONE PROVIDED

Payment Information

How are you planning to pay the filing fee for this submission?

Online Payment

Attachments

Date	Attachment Name	Context	Confidential?	User
9/15/2022 7:22 AM	CertificationForm.pdf	Unknown	No	Benjamin Gochenouer
9/10/2022 4:33 PM	Attachment 5 Drainage Area Mapping.pdf	Attachment	No	Benjamin Gochenouer
9/10/2022 4:30 PM	Attachment 5 Drainage Area Calcs.pdf	Attachment	No	Benjamin Gochenouer
8/31/2022 2:21 PM	Attachment 1 LocMap.pdf	Attachment	No	Benjamin Gochenouer
8/31/2022 2:21 PM	Attachment 6 ConstDwg.pdf	Attachment	No	Benjamin Gochenouer
8/31/2022 2:21 PM	Attachment 7 FloodZones.pdf	Attachment	No	Benjamin Gochenouer
8/31/2022 12:19 PM	Attachment 4 Discharge Point Map.pdf	Attachment	No	Benjamin Gochenouer
8/31/2022 12:19 PM	Attachment 3 StateWater.pdf	Attachment	No	Benjamin Gochenouer
8/31/2022 12:19 PM	Attachment 1 LocMap.pdf	Attachment	No	Benjamin Gochenouer
8/31/2022 12:19 PM	Attachment 2 VicMap.pdf	Attachment	No	Benjamin Gochenouer

Status History

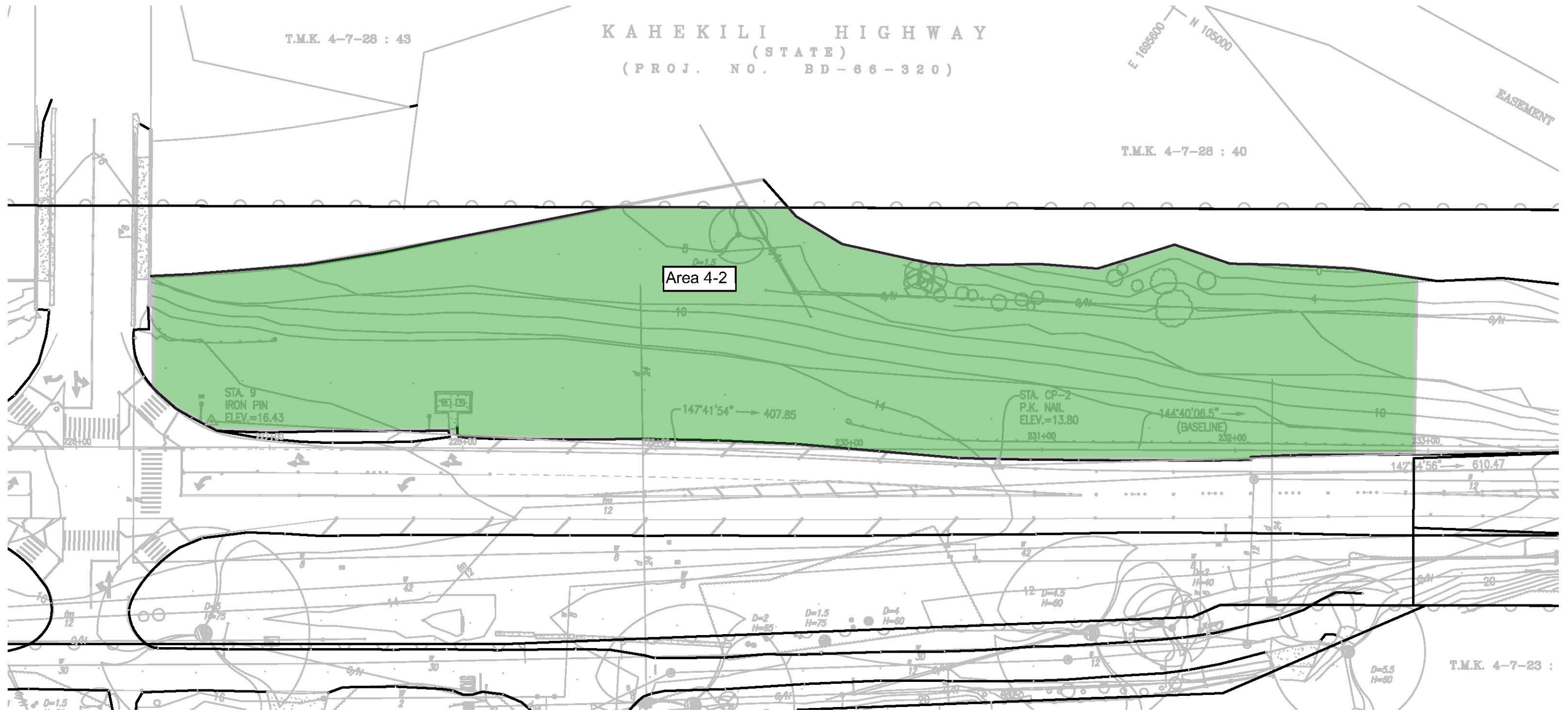
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8/30/2022 2:47:45 PM	Benjamin Gochenouer	Draft
9/15/2022 7:21:52 AM	Benjamin Gochenouer	Submitting
9/15/2022 7:22:05 AM	Benjamin Gochenouer	Submitted

Processing Steps

Step Name	Assigned To/Completed By	Date Completed
Application Submitted	Benjamin Gochenouer	9/15/2022 7:22:05 AM
Assign To		
In Review		
Issue NGPC		

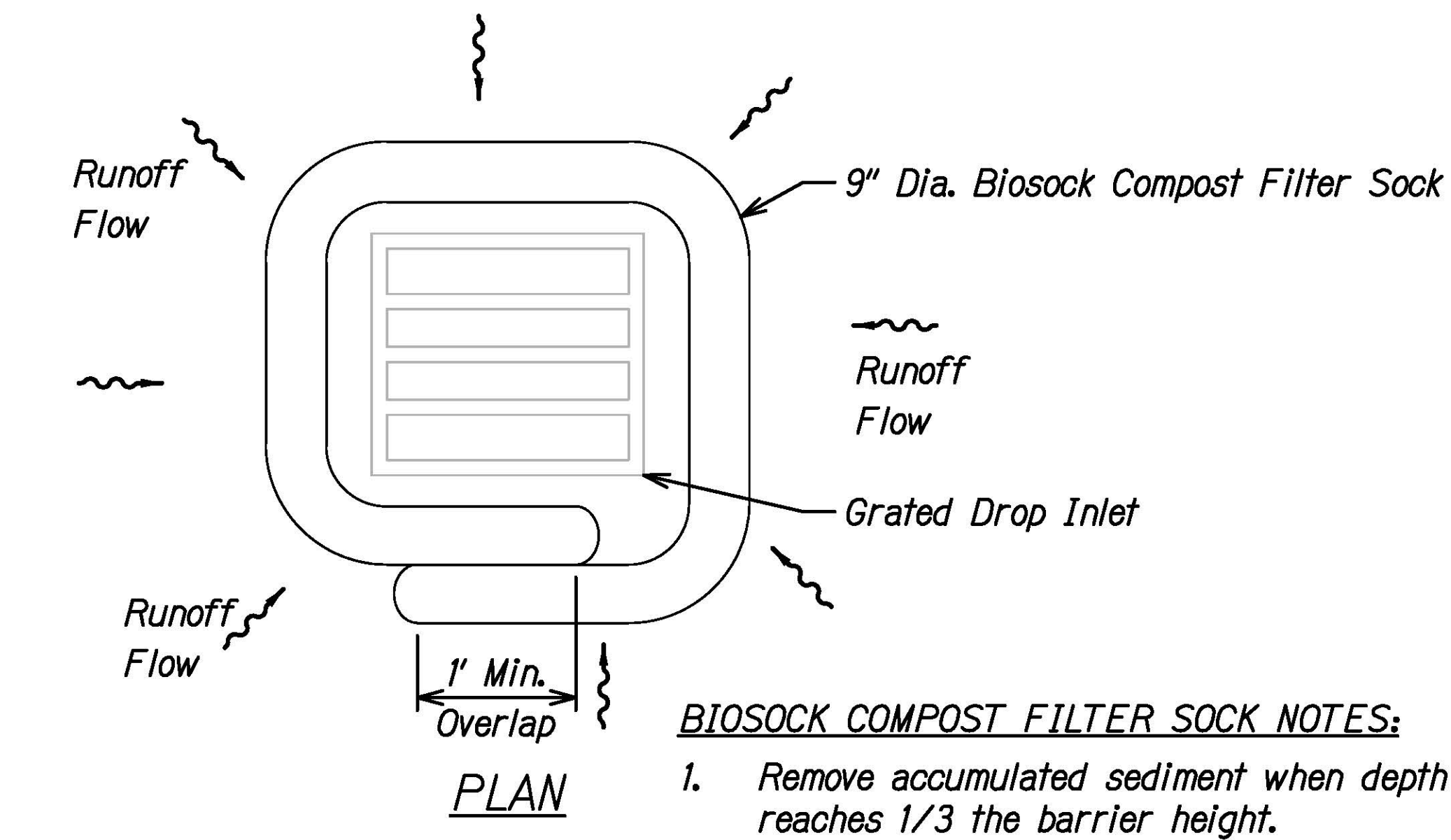
Rational Method Calculations

Kamehameha Highway Intersection Improvements at Kahekili Highway															
Runoff Calculations.												Discharge Point			
Area Label	Inlet No.	C weighted	Area					T _c (min)	I ₁₀ From Plate 1	I ₁₀ (in/hr)	Q (cfs)	Discharge Point	Northing	Easting	Name
			(SF) _{imp}	(ac) _{imp}	(SF) _{per}	(ac) _{per}	(ac) _{total}								
Area 1-1	CB 1-1	0.83	12236.6	0.281	1620.6	0.037	0.318	10	2.80	6.44	1.70	DP #1	21.45697	-157.83843	Kahaluu Stream
Area 1-2	GDI 1-2	0.30	0.0	0.000	5974.9	0.137	0.137	10	2.80	6.44	0.27				
Area 2-1	CB 2-1	0.78	6857.9	0.157	1777.8	0.041	0.198	10	2.80	6.44	0.99	DP #2	21.45838	-157.83935	Kahaluu Stream
Area 2-2	GDI 2-2	0.80	5744.7	0.132	1148.0	0.026	0.158	10	2.80	6.44	0.82				
Area 2-3	GDI 2-3	0.90	2350.2	0.054	0.0	0.000	0.054	10	2.80	6.44	0.31				
Area 2-4	GDI 2-4	0.79	3379.8	0.078	739.1	0.017	0.095	10	2.80	6.44	0.48				
Area 2-5	CB 2-5	0.78	7680.1	0.176	1834.5	0.042	0.218	10	2.80	6.44	1.10				
Area 2-6	GDI 2-6	0.81	4810.6	0.110	825.5	0.019	0.129	10	2.80	6.44	0.68				
Area 2-7	GDI 2-7	0.90	3370.2	0.077	0.0	0.000	0.077	10	2.80	6.44	0.45				
Area 2-8	GDI 2-8	0.73	2943.1	0.068	1207.8	0.028	0.095	10	2.80	6.44	0.45				
Area 2-9	Culvert Inlet 2-9	0.56	3573.4	0.082	4816.9	0.111	0.193	10	2.80	6.44	0.69				
Area 2-10	GDI-2-3	0.44	964.2	0.022	4994.7	0.115	0.137	10	2.80	6.44	0.39				
								10	2.80	6.44	0.00				
Area 3-1	GDI 3-3	0.45	2189.0	0.050	6445.2	0.148	0.198	10	2.80	6.44	0.58	DP #3	21.45663	-157.83777	
Area 4-1	Sheet Flow	0.30	57470.3	1.319	18302.3	0.000	0.420	10	2.80	6.44	2.55	DP#4 From	21.45470	-157.83651	
Area 4-2	Sheet Flow	0.30	0.0	0.000	66349.3	1.523	66349.340	10	2.80	6.44	2.94	DP#4 To	21.45734	-157.83900	
										Total	14.38				



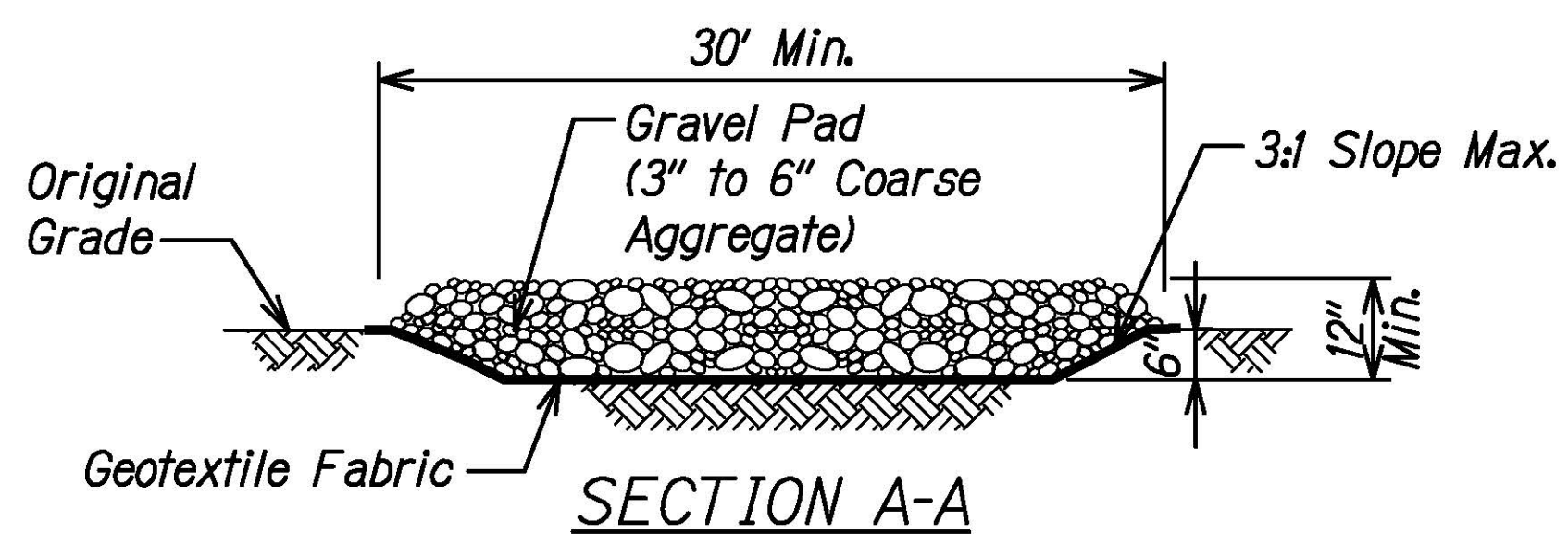
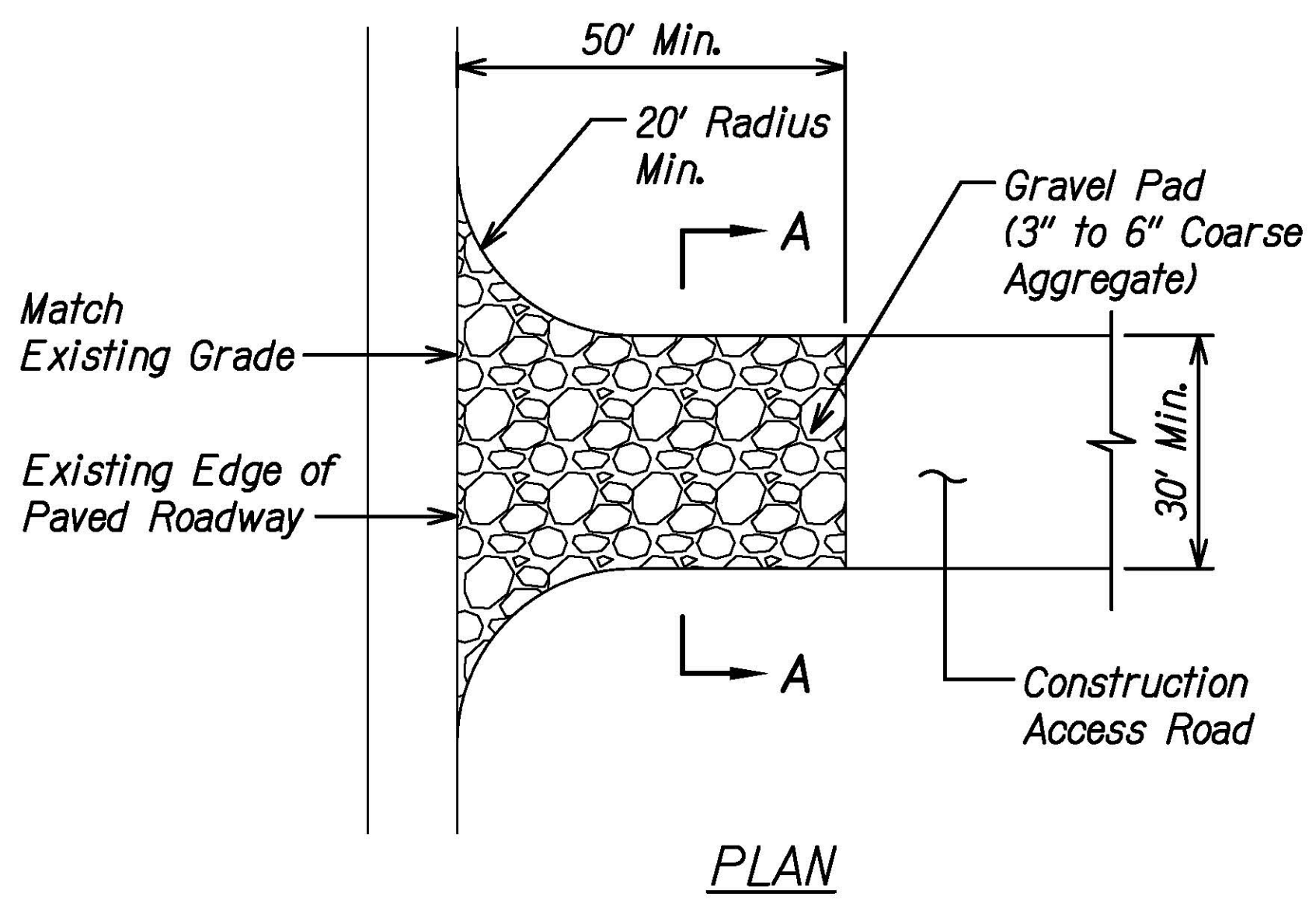
Scale: 1"=50'

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	14	99

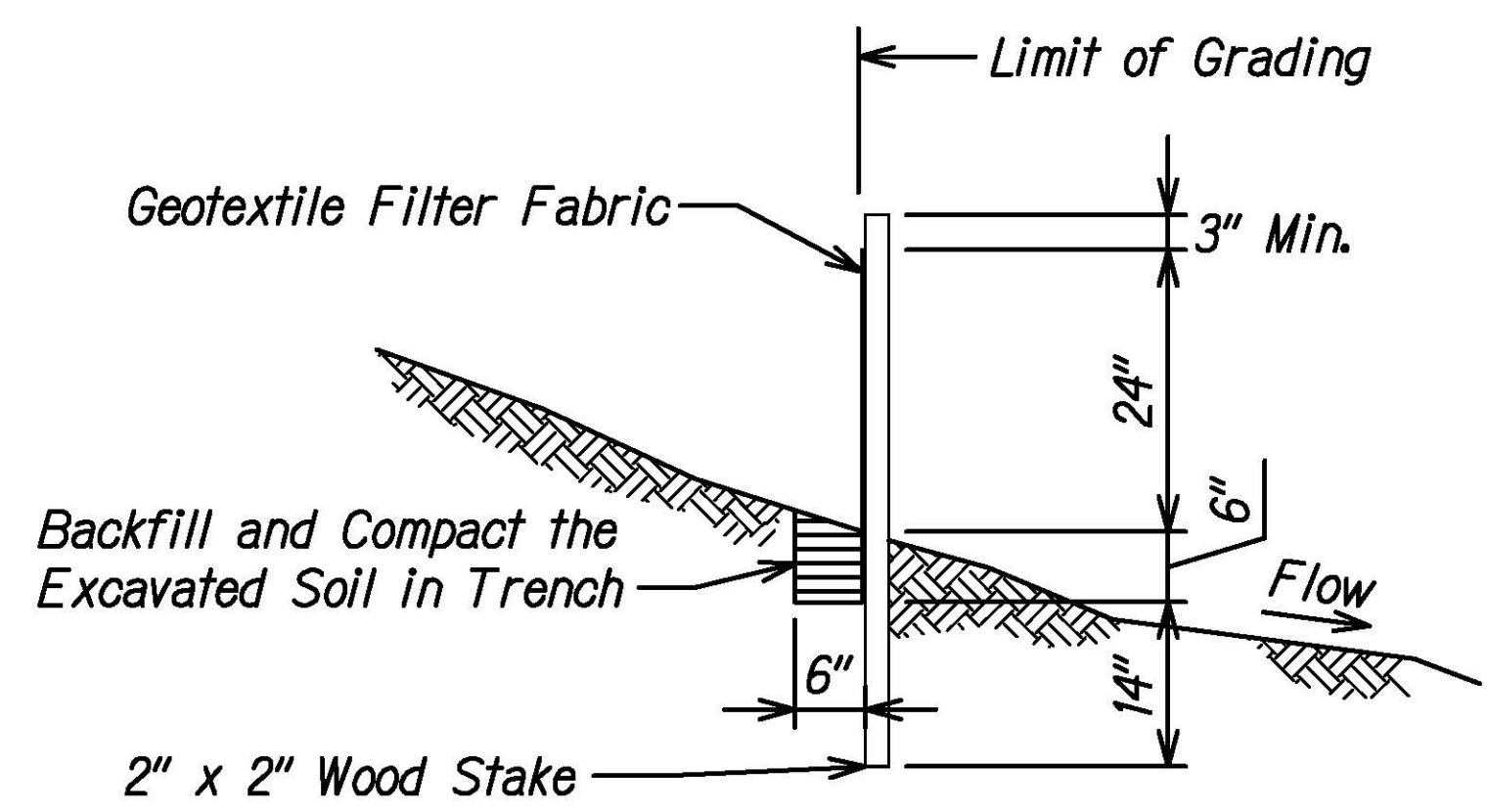
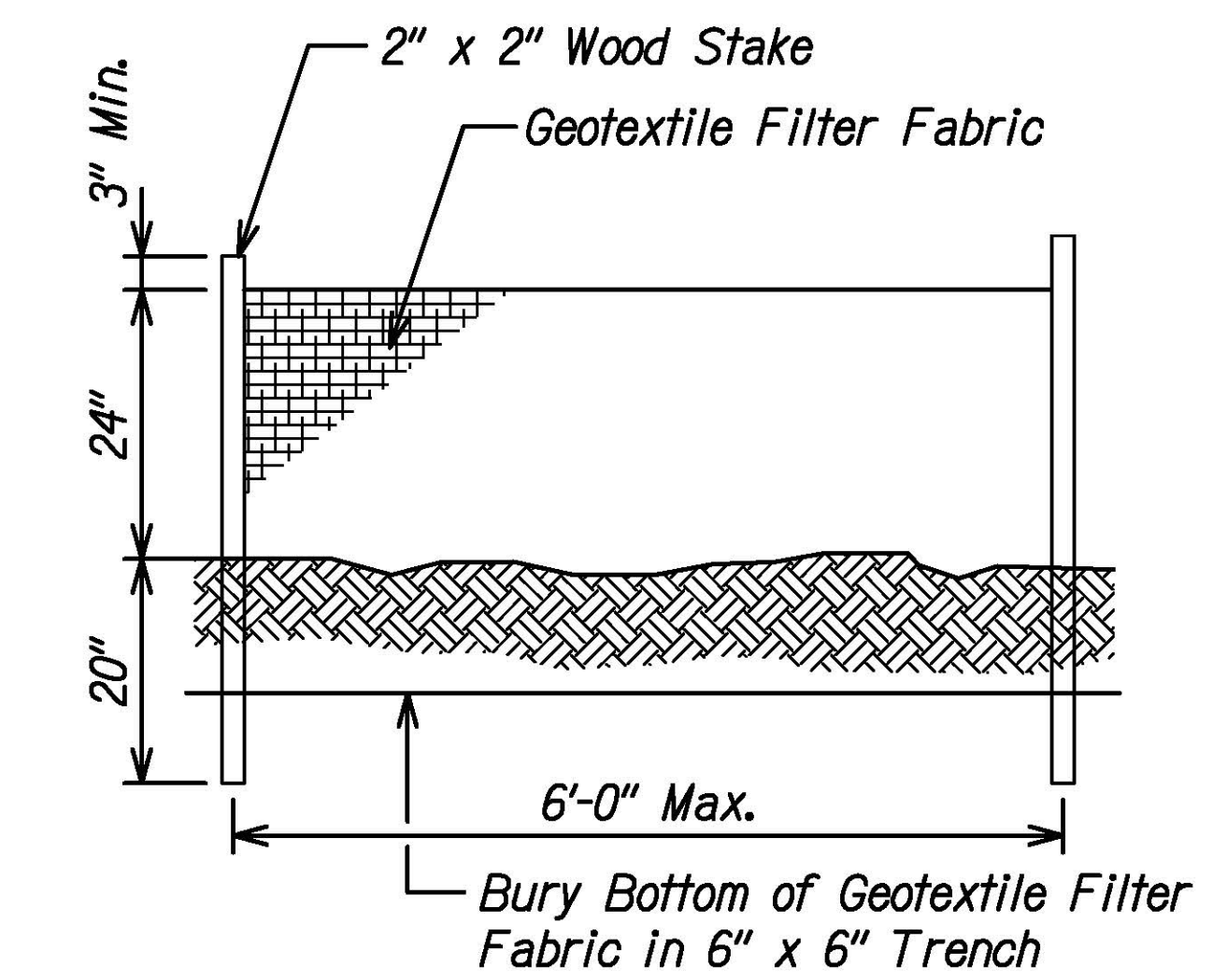


- BIOSOCK COMPOST FILTER SOCK NOTES:**
1. Remove accumulated sediment when depth reaches 1/3 the barrier height.
 2. Biosock Material and compost shall be removed at the completion of construction (or a phase of construction) and shall be disposed of properly.

BIOSOCK COMPOST FILTER SOCK DRAIN INLET PROTECTION DETAIL
 Not to Scale



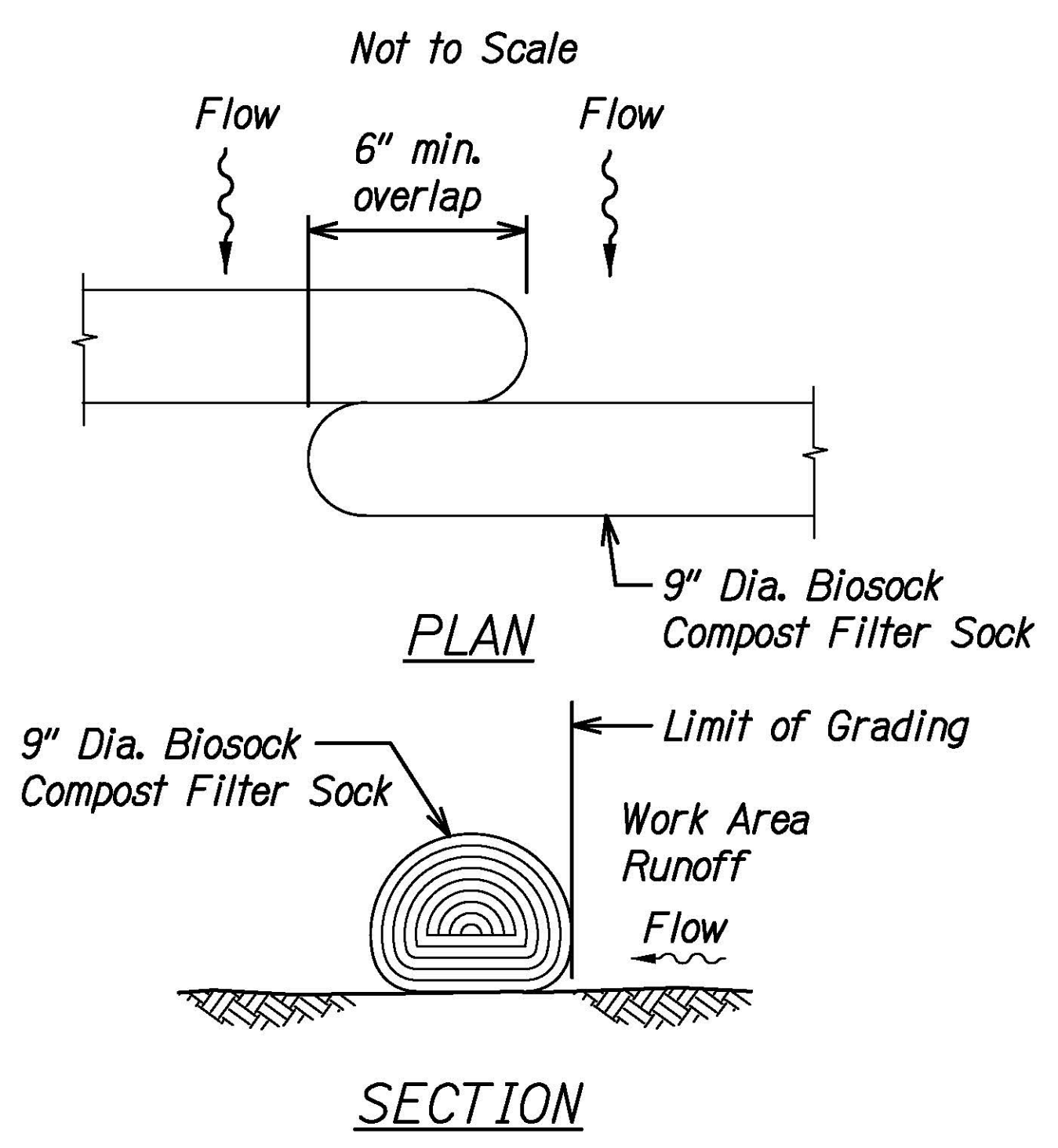
TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
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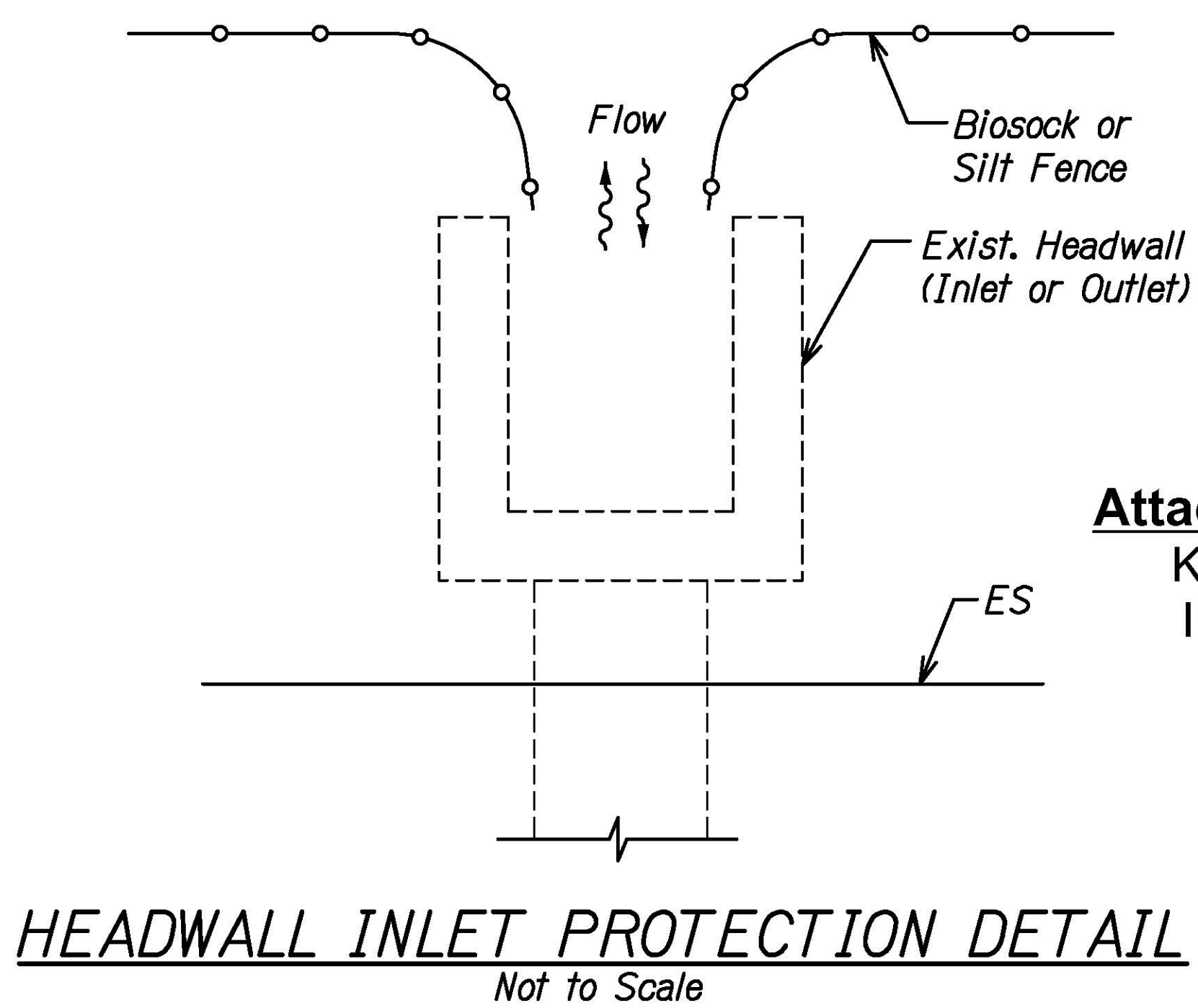
SILT FENCE DETAIL
 Not to Scale

- SILT FENCE NOTES:**
1. The filter fabric shall be a minimum of 36 inches wide.
 2. If silt fence is obtained from manufacturer as a package (i.e. fabric attached to post) the manufacturer's installation instructions shall be adhered to.

Attachment 6 Construction Drawings
 Kamehameha Highway Intersection Improvements at Kahekili Highway
 FAP NH-083-1(082)



BIOSOCK COMPOST FILTER SOCK PERIMETER CONTROL DETAIL
 Not to Scale



HEADWALL INLET PROTECTION DETAIL
 Not to Scale

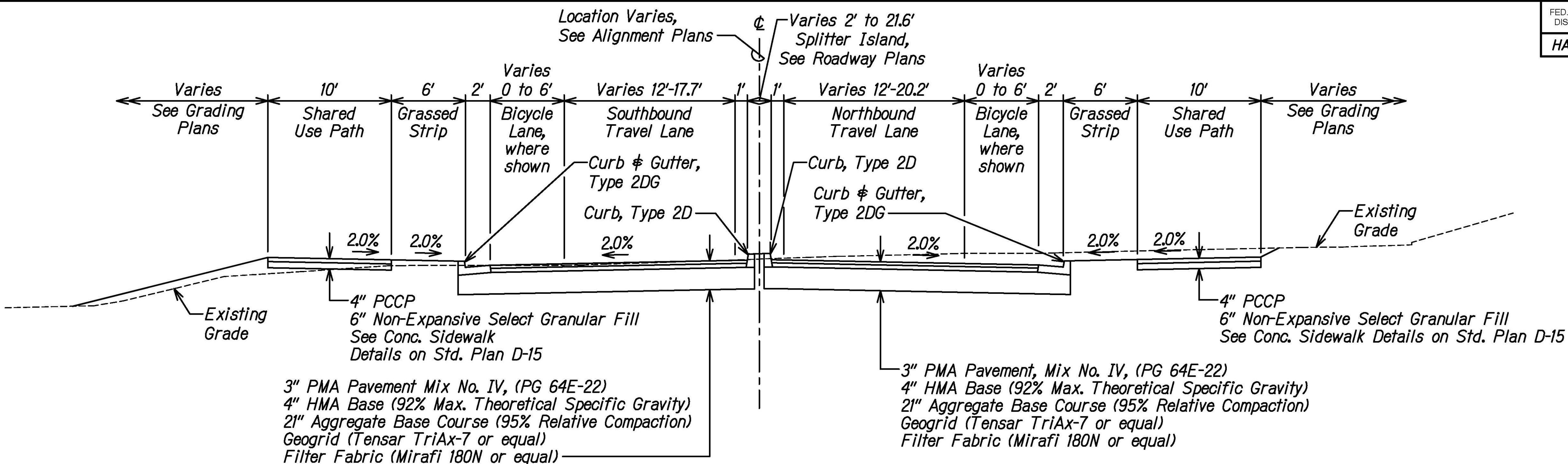
DATE	_____
SURVEY PLOTTED BY	_____
ORIGINAL PLAN	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
NO.	_____

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

EROSION CONTROL DETAILS

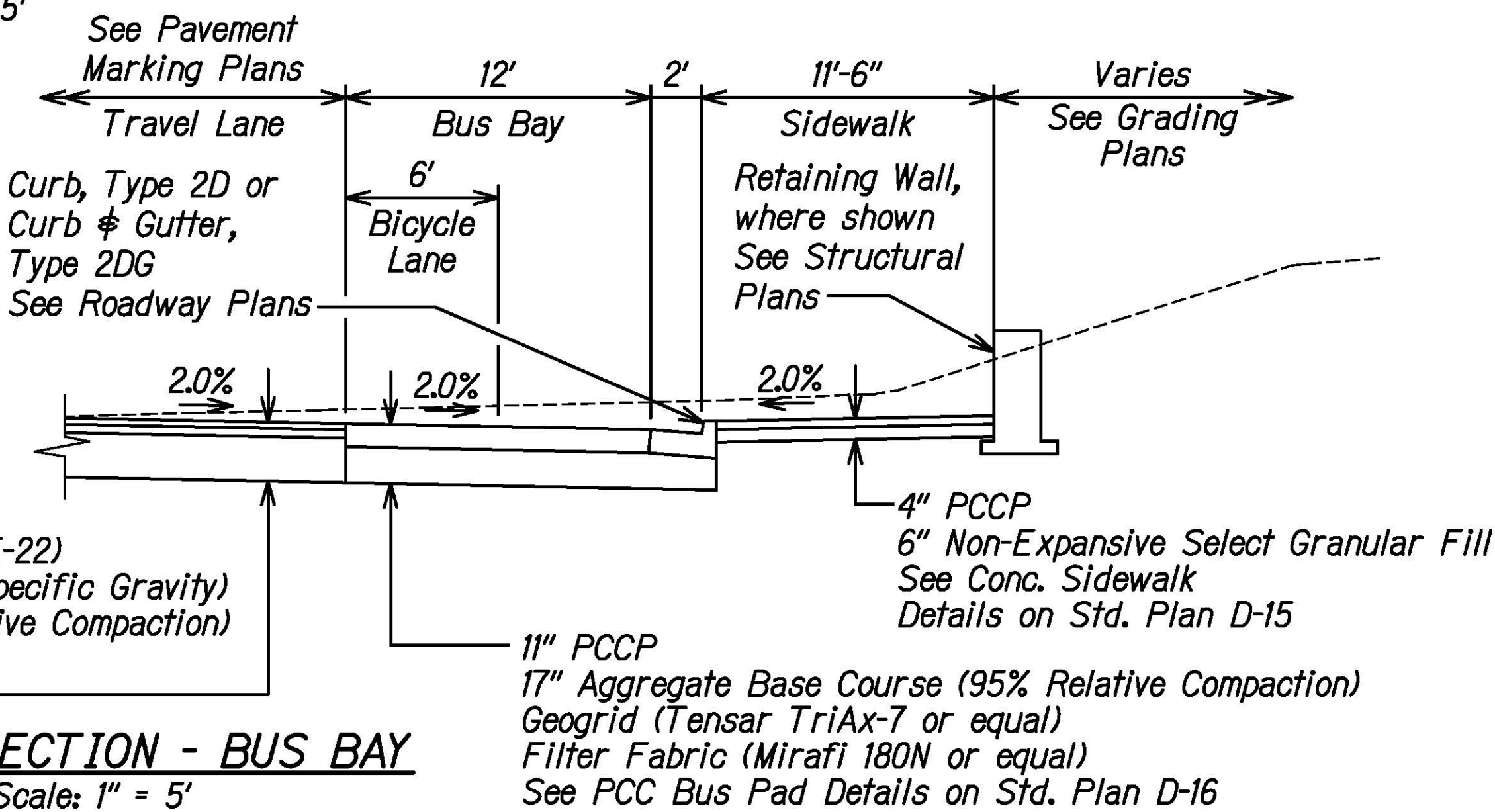
 KAMEHAMEHA HIGHWAY
 INTERSECTION IMPROVEMENTS
 AT KAHAKILI HIGHWAY
 Federal-Aid Project No. NH-083-1(082)
 Scale: _____ Date: Aug 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	15	99



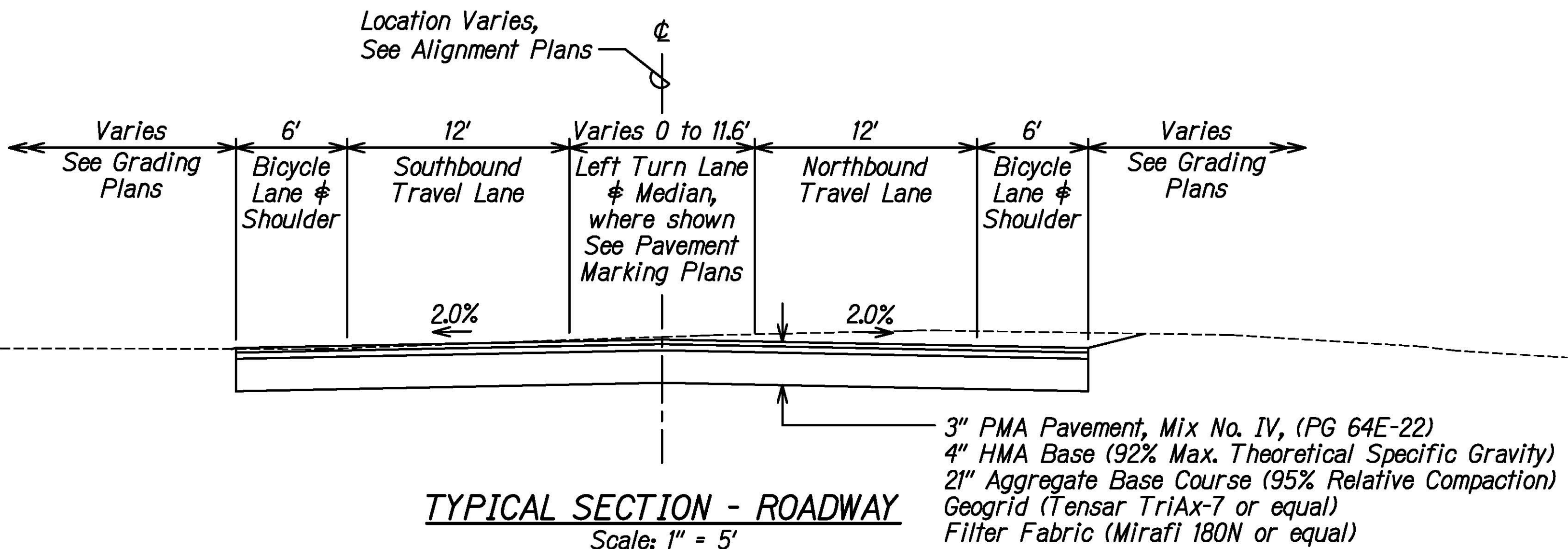
TYPICAL SECTION - ROADWAY INTERSECTION APPROACH

Scale: 1" = 5'



TYPICAL SECTION - BUS BAY

Scale: 1" = 5'



TYPICAL SECTION - ROADWAY

Scale: 1" = 5'

Attachment 6 Construction Drawings

Kamehameha Highway Intersection
Improvements at Kahekili Highway
FAP NH-083-1(082)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS - 1

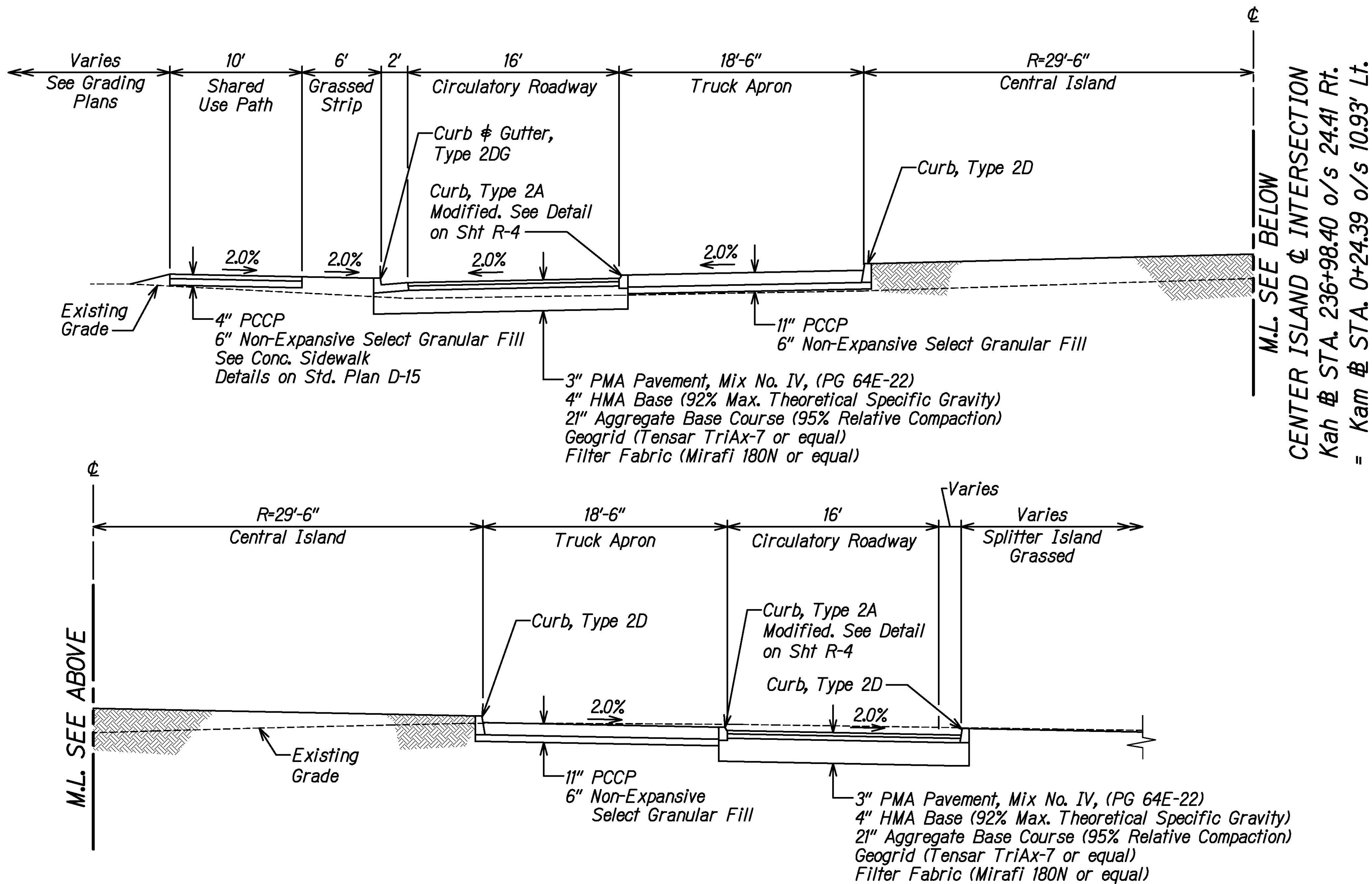
KAMEHAMEHA HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAHAKILI HIGHWAY
Federal-Aid Project No. NH-083-1(082)

Scale: 1" = 5' Date: Aug 2022

SHEET No. **T-1** OF **2** SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	16	99



**TYPICAL SECTION - KAMEHAMEHA HIGHWAY
ROUNDBOUT AT KAHEKILI ALONG & INTERSECTION**
Scale: 1" = 5'

Attachment 6 Construction Drawings
Kamehameha Highway Intersection
Improvements at Kahekili Highway
FAP NH-083-1(082)

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

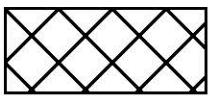
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
TYPICAL SECTIONS - 2
KAMEHAMEHA HIGHWAY INTERSECTION IMPROVEMENTS AT KAHEKILI HIGHWAY Federal-Aid Project No. NH-083-1(082) Scale: 1" = 5' Date: Aug 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	25	99

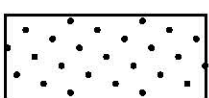
ROADWAY CONSTRUCTION NOTES:

- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to the AC Pavement and will not be paid for separately.
- All holes, depressions and wheel ruts shall be filled and compacted with HMA Pavement, Mix No. IV prior to resurfacing. This work shall be paid under Item No. 401.2000 - Leveling Course.
- Smooth riding connections shall be constructed at all limits of pavement reconstruction, including the beginning and end of project, connecting approaches, and driveways as shown on the plans and/or as ordered by the Engineer. See Detail on Sht. R-4.
- All saw cutting asphalt concrete pavement including the handling and disposal of the slurry (cooling water and asphalt pavement sawdust) from the saw cutting shall be considered incidental to Item No. 401.1000 HMA Pavement, Mix No. IV, and will not be paid for separately. Immediately vacuum cutting debris and water from surface as the sawing progresses. Slurry from saw cutting shall be handled and disposed of in accordance with the Water Pollution Control Note B - Waste Disposal on Sht. N-7.
- The Contractor shall limit the extent of trench and excavation work for pavement reconstruction to an area that can be satisfactorily backfilled in one work day, and cold plane drop off is limited to 3". See Detail on Sht. R-5.
- Prior to starting any excavation activities, the Contractor shall contact the Hawaii One Call Center at 1-866-423-7287.
- In order to provide a smooth riding surface, the final lift of HMA Overlay shall be placed uniformly after the completion of the pavement reconstruction.

PAVEMENT LEGEND:



Limits of Pavement Removal



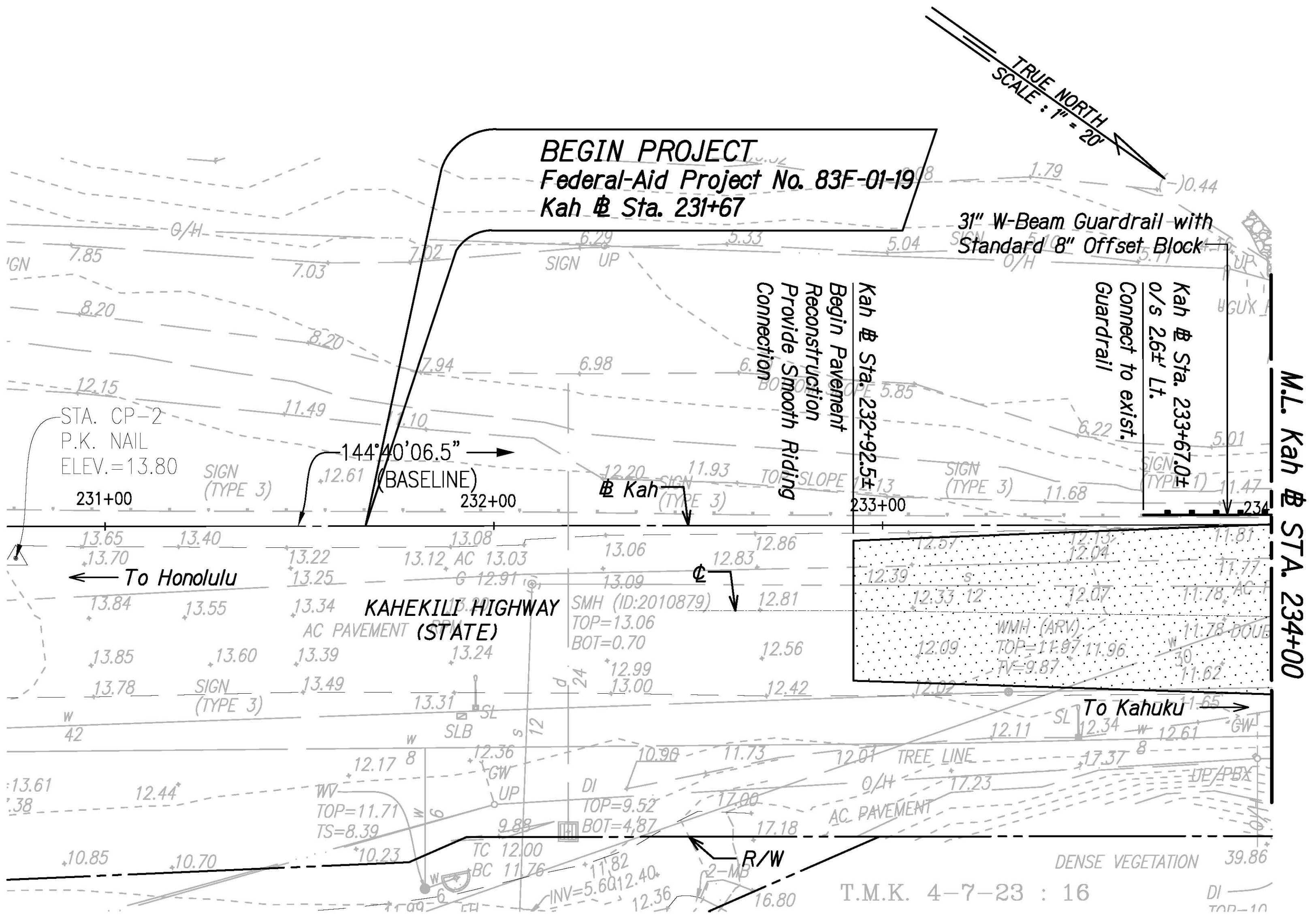
Limits of New Pavement Reconstruction
3" PMA Pavement Mix No. IV, (PG 64E-22)
4" HMA Base (92 Max. Theoretical Specific Gravity)
21" Aggregate Base Course (95% Relative Compaction)
Geogrid (Tensar TriAx-7 or equal)
Filter Fabric (Mirafi 180N or equal)



PCCP Bus Bay Pad:
11" PCCP
21" Aggregate Base Course (95% Relative Compaction)
Geogrid (Tensar TriAx-7 or equal)
Filter Fabric (Mirafi 180N or equal)
See PCC Bus Pad Details on Std. Plan D-15



PCCP Truck Apron:
11" PCCP
6" Non- Expansive Select Granular Fill



Attachment 6 Construction Drawings
Kamehameha Highway Intersection
Improvements at Kahekili Highway
FAP NH-083-1(082)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

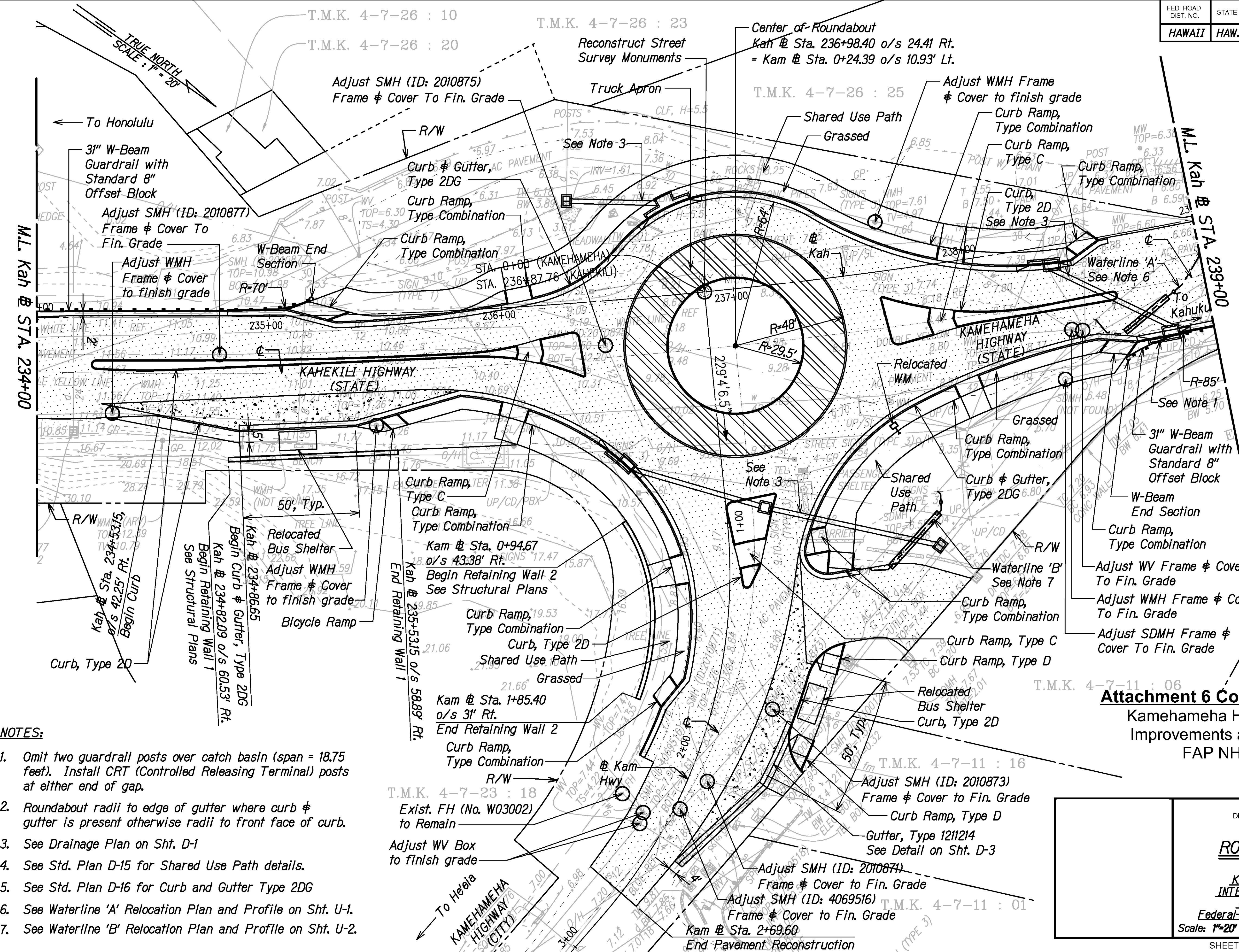
ROADWAY PLAN - 1

KAMEHAMEHA HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAHAKILI HIGHWAY
Federal-Aid Project No. NH-083-1(082)
Scale: 1"=20' Date: Aug 2022

SHEET No. R-2 OF 15 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	26	99



- NOTES:**
- Omit two guardrail posts over catch basin (span = 18.75 feet). Install CRT (Controlled Releasing Terminal) posts at either end of gap.
 - Roundabout radii to edge of gutter where curb & gutter is present otherwise radii to front face of curb.
 - See Drainage Plan on Sht. D-1
 - See Std. Plan D-15 for Shared Use Path details.
 - See Std. Plan D-16 for Curb and Gutter Type 2DG
 - See Waterline 'A' Relocation Plan and Profile on Sht. U-1.
 - See Waterline 'B' Relocation Plan and Profile on Sht. U-2.

DATE	DESIGNED BY	CHECKED BY
PLANNED BY	DRAWN BY	NOTED BY
ORIGINAL PLAN	NOTE BOOK	QUANTITIES BY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

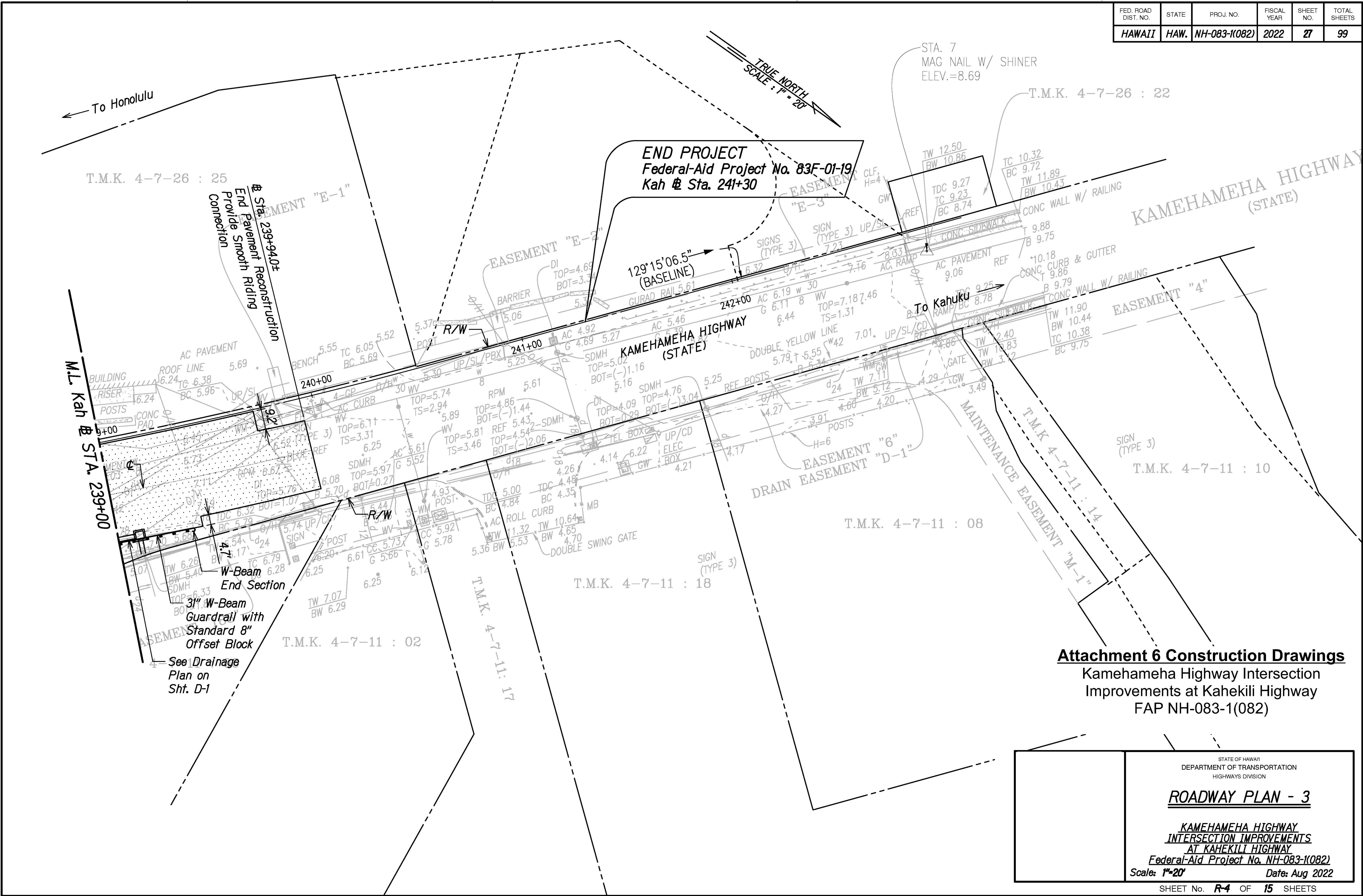
ROADWAY PLAN - 2

**KAMEHAMEHA HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAHEKILI HIGHWAY**
Federal-Aid Project No. NH-083-1(082)

Scale: 1"=20' Date: Aug 2022

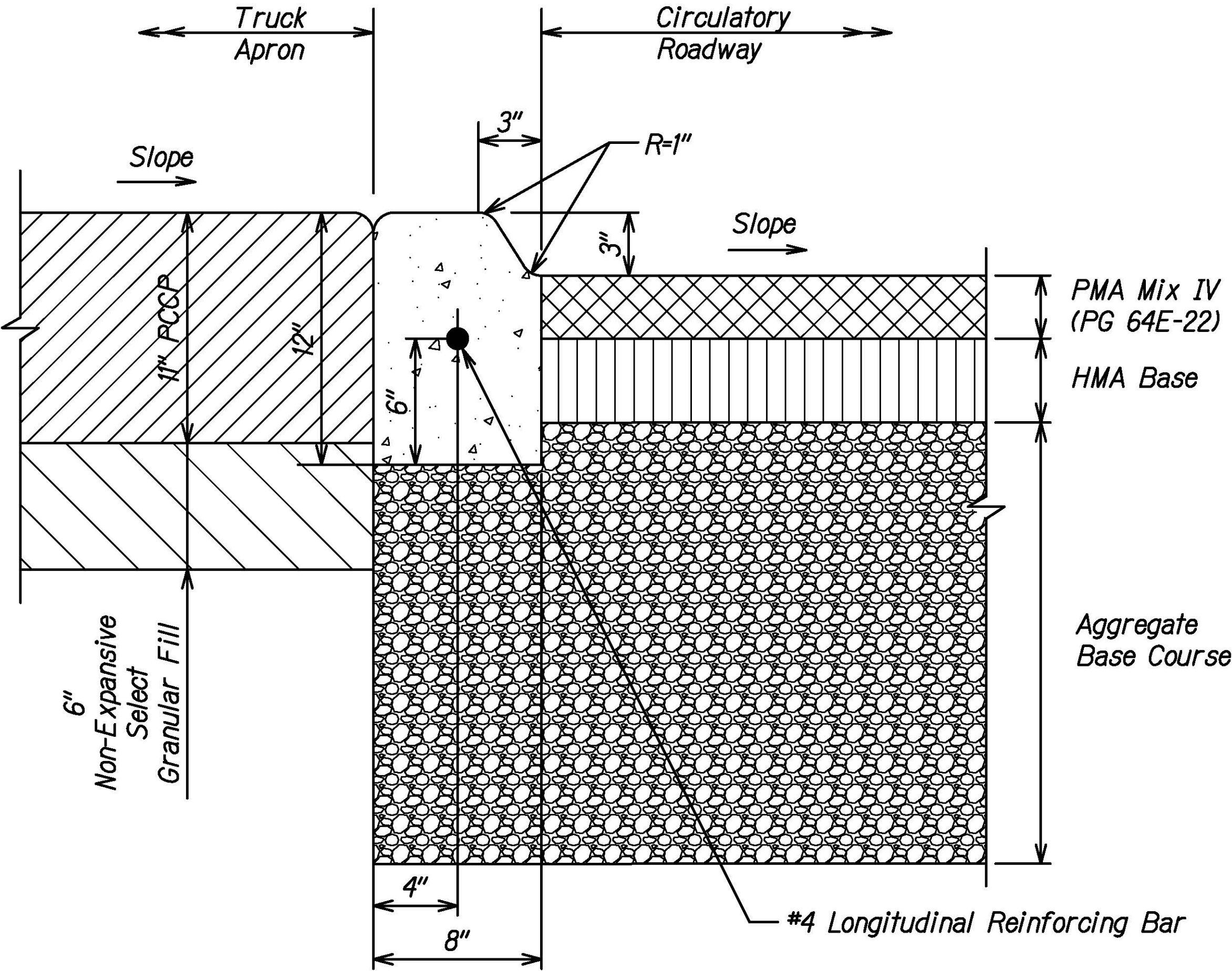
SHEET No. **R-3** OF **15** SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	27	99



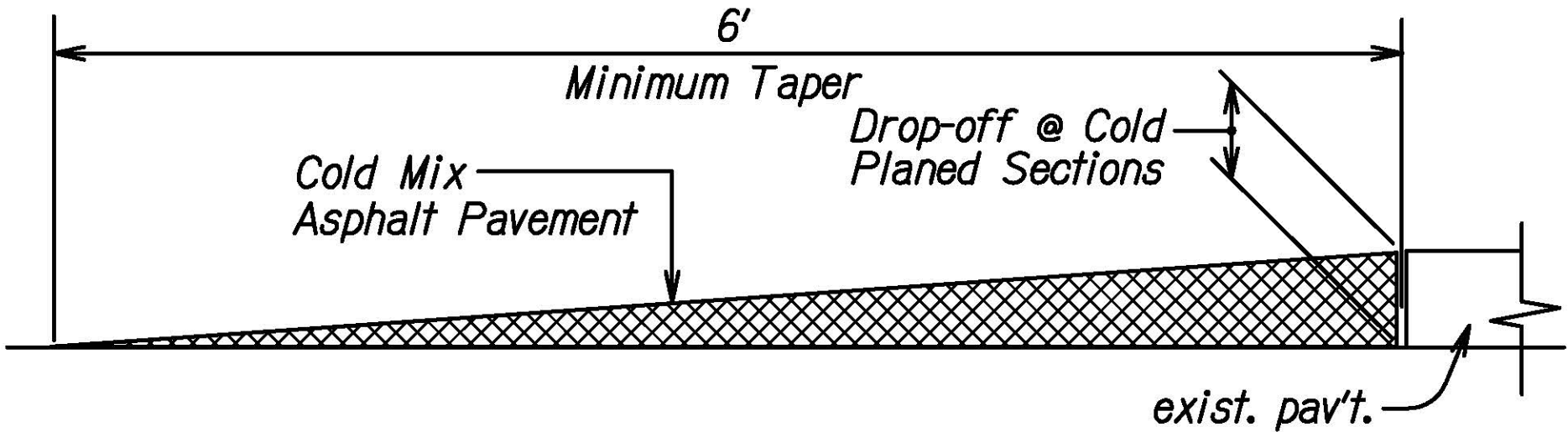
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SURVEY PLOTTED BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	28	99



CURB, TYPE 2A MODIFIED
Not To Scale

NOTES:
 The Contractor shall construct temporary pavement taper to prevent sharp pavement drop-offs at all cold planed sections as directed by the Engineer. Prior to final HMA Mix No. IV placement, temporary pavement taper shall be removed. These works shall be considered incidental to Item No. 401.1000 HMA Pavement, Mix No. IV.



TEMPORARY TRANSITION AT COLD PLANED AREAS
Not To Scale

Attachment 6 Construction Drawings
 Kamehameha Highway Intersection
 Improvements at Kahekili Highway
 FAP NH-083-1(082)

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

ROADWAY DETAILS

KAMEHAMEHA HIGHWAY

INTERSECTION IMPROVEMENTS

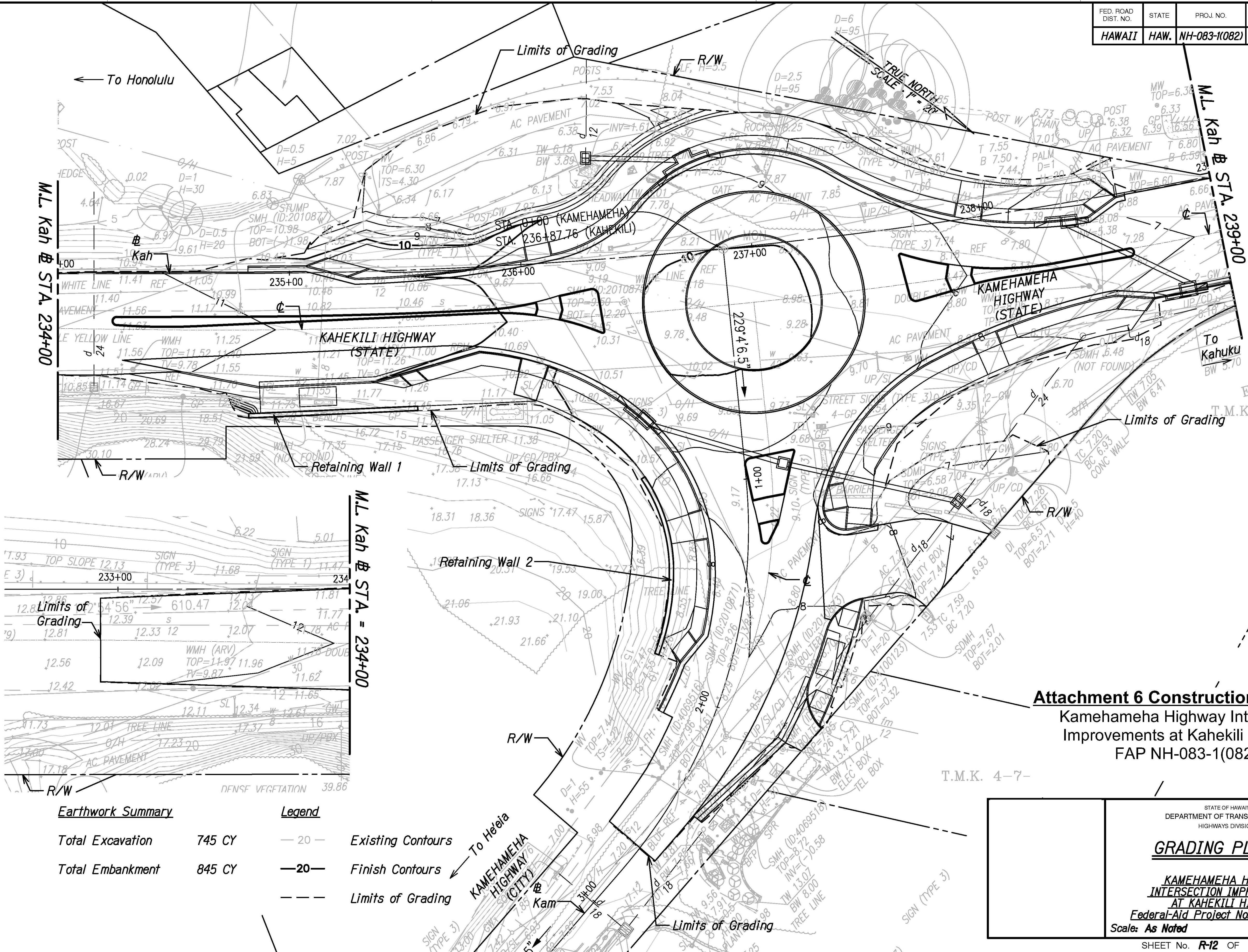
AT KAHAKILI HIGHWAY

Federal-Aid Project No. NH-083-1(082)

Scale: _____

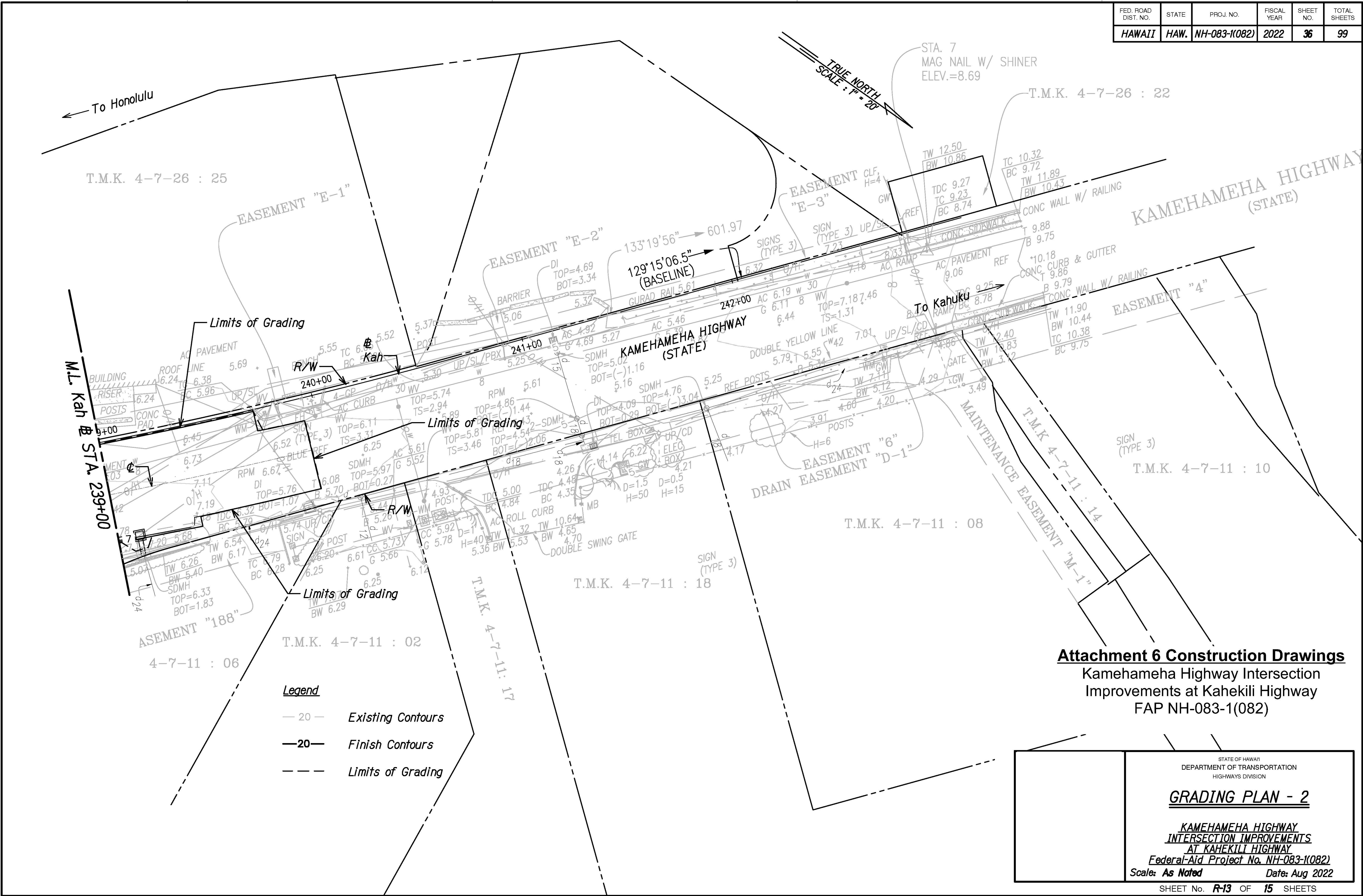
Date: Aug 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	35	99

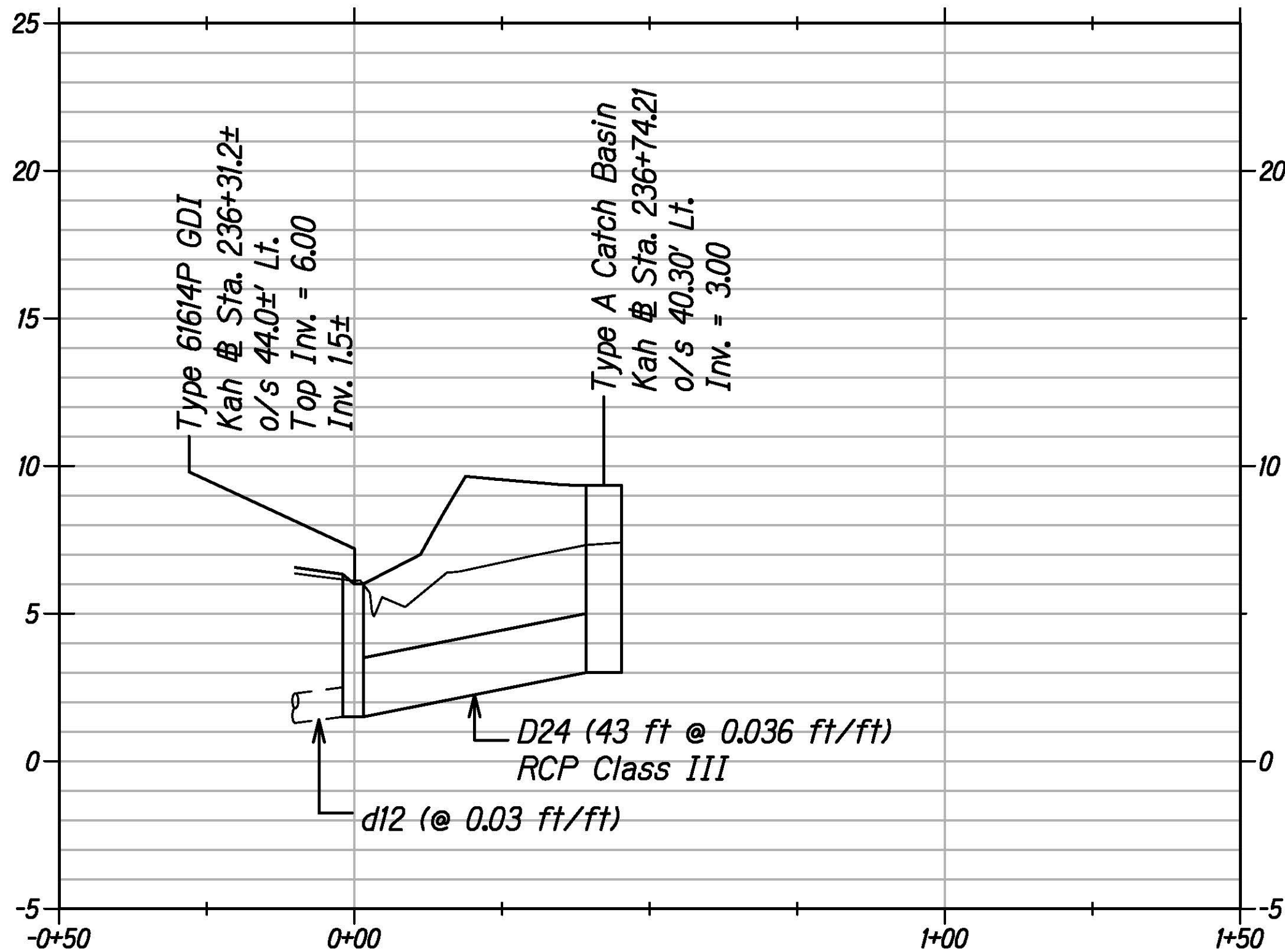


DATE	.....
DESIGNED BY	.....
DRAWN BY	.....
CHECKED BY	.....
NOTED BY	.....
ORIGINAL PLAN	.....
NOTE BOOK	.....
QUANTITIES BY	.....
CHECKED BY	.....
No.	.....

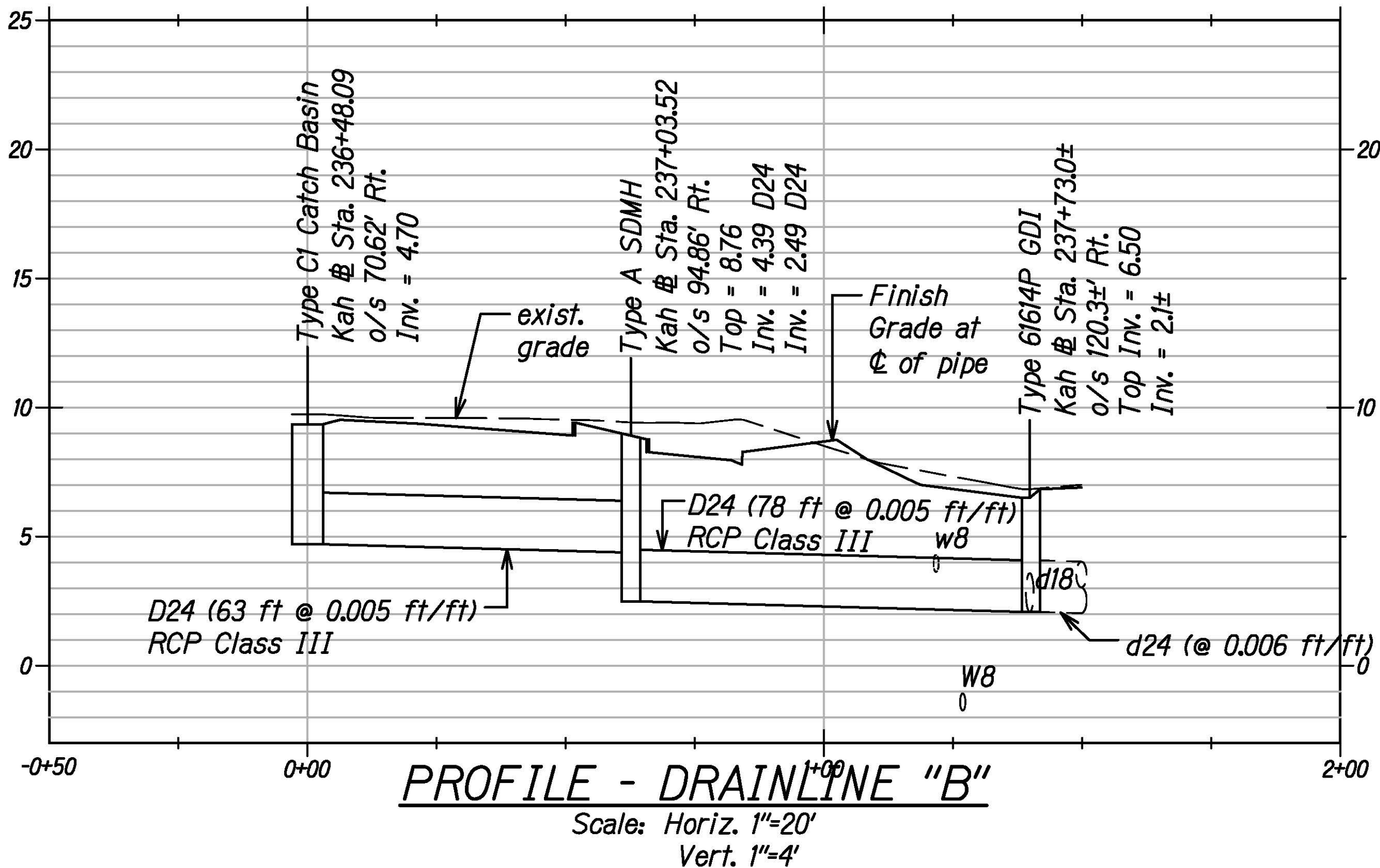
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	36	99



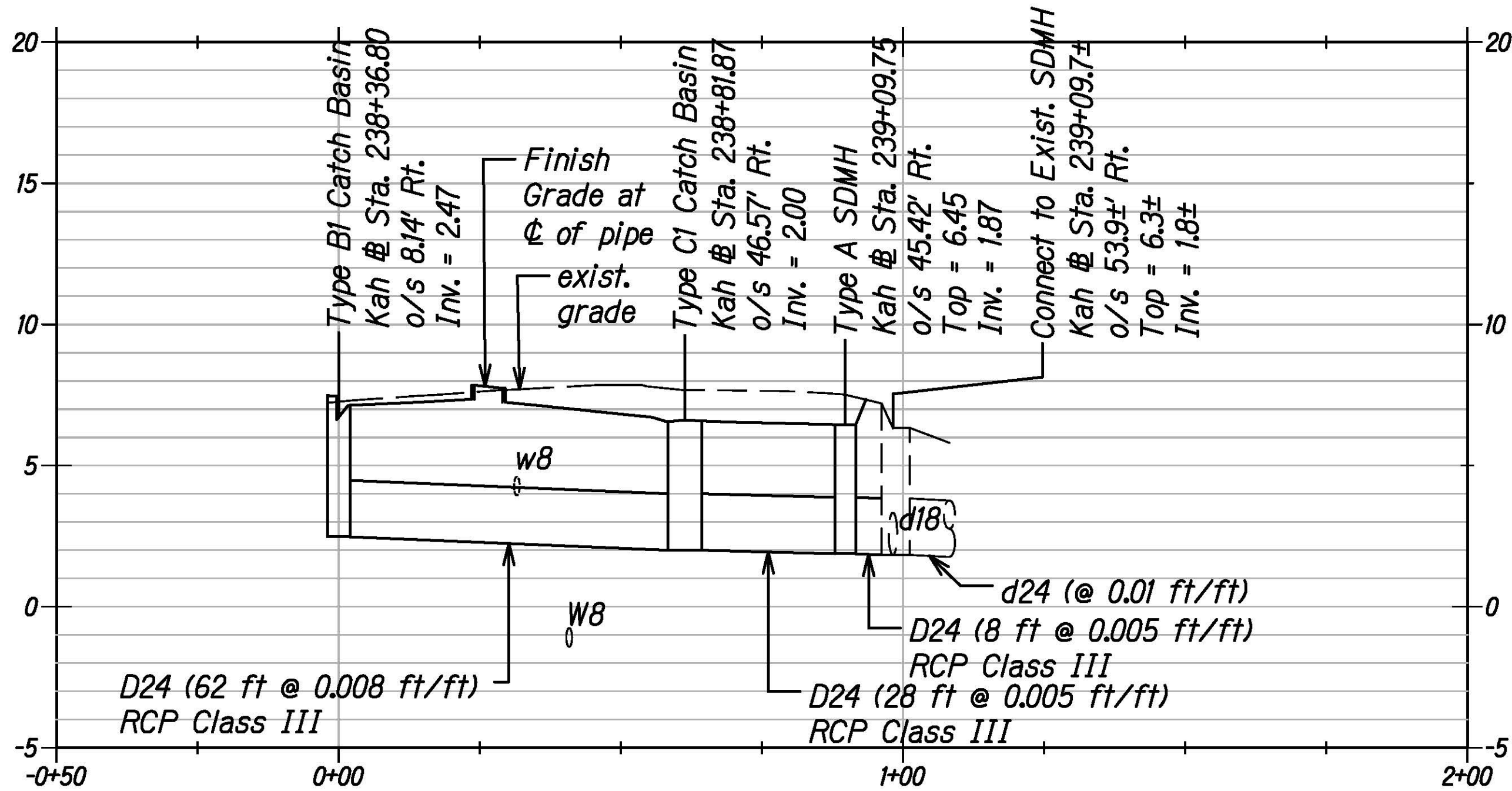
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	52	99



PROFILE - DRAINLINE "A"
Scale: Horiz. 1"=20'
Vert. 1"=4'



PROFILE - DRAINLINE "B"
Scale: Horiz. 1"=20'
Vert. 1"=4'



PROFILE - DRAINLINE "C"
Scale: Horiz. 1"=20'
Vert. 1"=4'

Attachment 6 Construction Drawings
Kamehameha Highway Intersection
Improvements at Kahekili Highway
FAP NH-083-1(082)

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PROFILES

KAMEHAMEHA HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAHAKILI HIGHWAY
Federal-Aid Project No. NH-083-1(082)

Scale:
Date: Aug 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(082)	2022	54	99

