

ORIGINAL PLAN

SURVEY PLOTTED BY

DRAWN BY

DESIGNED BY

NOTED BY

CHECKED BY

DATE

X

4/21/23

4/21/23

DATE

REVISION

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

KUHIO HIGHWAY RESURFACING

Waikaea Bridge to Mailihuna Road

Federal-Aid Project No. NH-056-1(063)

Date: April 2023

SHEET No. 1 OF 1 SHEETS

ADD.2

FED. ROAD DIST. NO.

HAWAII

STATE

HAW.

FED. AID PROJ. NO.

NH-056-1(063)

FISCAL YEAR

2023

SHEET NO.

ADD.2

TOTAL SHEETS

43

STANDARD PLAN NO.

DATE

B-01

·

NOTES & MISCELLANEOUS DETAILS

05/31/07

B-03

·

BACKFILL DETAILS AT EARTH RETAINING STRUCTURES

05/31/07

B-12

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PRESTRESSED CONCRETE PILES & COMPRESSION SPLICE CAN DETAILS

B-12A

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PRESTRESSED CONCRETE PILES, PILE & COMPRESSION SPLICE CAN DETAILS & NOTES

05/31/07

B-12B

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PILE INTERACTION DIAGRAM

05/31/07

B-13

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PRESTRESSED CONCRETE PILE BUILD-UP DETAILS

05/31/07

D-01

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CATTLE GATE

05/31/07

D-02

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CHAIN LINK FENCE WITH TOPRAIL

05/31/07

D-03

·

CHAIN LINK FENCE WITHOUT TOPRAIL

05/31/07

D-04

·

WIRE FENCE WITH METAL POSTS

05/31/07

D-05

●

TYPICAL DETAILS OF CURBS AND/OR GUTTERS

05/31/07

D-06

·

TYPICAL DETAIL OF REINFORCED CONCRETE DROP DRIVEWAY

05/31/07

D-07

·

CENTERLINE AND REFERENCE SURVEY MONUMENTS

05/31/07

D-08

·

STREET SURVEY MONUMENT

05/31/07

D-15

●

CONCRETE SIDEWALK

05/31/07

D-16

·

P.C.C. BUS PAD

05/31/07

D-17

·

P.C.C. BUS PAD

05/31/07

D-18

·

P.C.C. PAVEMENT LAYOUT

05/31/07

D-19

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P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS

05/31/07

D-20

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P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS

05/31/07

D-21

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P.C.C. LONGITUDINAL JOINT DETAILS

05/31/07

D-22

·

P.C.C. CONNECTION TO CURBS AND GUTTERS

05/31/07

D-23

·

JOINTS

05/31/07

L-01

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TREE PLANTING

08/16/06

L-02

·

TREE PLANTING

08/16/06

L-03

·

TREE TRANSPLANTING

08/16/06

L-04

·

PALM PLANTING

08/16/06

L-05

·

SHRUB PLANTING

08/16/06

L-06

·

LANDSCAPE DETAILS

08/16/06

L-07

·

LANDSCAPE DETAILS

08/16/06

L-08

·

LANDSCAPE DETAILS

08/16/06

L-09

·

LANDSCAPE DETAILS

08/16/06

L-10

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LANDSCAPE DETAILS

08/16/06

L-11

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PLANTING NOTES

08/16/06

L-12

·

IRRIGATION DETAILS

08/16/06

L-13

·

IRRIGATION DETAILS

08/16/06

L-14

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IRRIGATION DETAILS

08/16/06

L-15

·

IRRIGATION DETAILS

08/16/06

L-16

·

IRRIGATION DETAILS

08/16/06

L-17

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IRRIGATION DETAILS

08/16/06

L-18

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IRRIGATION DETAILS

08/16/06

L-19

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IRRIGATION DETAILS

08/16/06

L-20

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IRRIGATION DETAILS

08/16/06

L-21

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IRRIGATION DETAILS

08/16/06

L-22

·

IRRIGATION DETAILS

08/16/06

L-23

·

IRRIGATION DETAILS

08/16/06

L-24

·

IRRIGATION NOTES

08/16/06

H-01A

·

TYPE A CATCH BASIN

05/31/07

H-01B

·

TYPE B CATCH BASIN

05/31/07

H-01C

·

TYPE C CATCH BASIN

05/31/07

H-01D

·

TYPE D CATCH BASIN

05/31/07

H-01E

·

CATCH BASIN SECTIONS

05/31/07

H-02A

·

TYPE A1 CATCH BASIN

05/31/07

H-02B

·

TYPE B2 CATCH BASIN

05/31/07

H-02C

·

TYPE C1 CATCH BASIN

05/31/07

H-02D

·

TYPE D1 CATCH BASIN

05/31/07

H-02E

·

CATCH BASIN SECTION

05/31/07

H-03

·

TYPE A+B, AND C STORM DRAIN MANHOLE

05/31/07

H-04

·

TYPE D STORM DRAIN MANHOLE

05/31/07

H-05

·

TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES

05/31/07

H-06

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TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES

05/31/07

H-07

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CATCH BASIN AND MANHOLE CASTINGS

05/31/07

H-08

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TYPE 1A-9 AND 1A-9P GRATED DROP INLET

05/31/07

H-09

·

TYPE 2A-9 AND 2A-9P GRATED DROP INLET

05/31/07

H-10

·

TYPE A-9 OR A-9P STEEL FRAMES

05/31/07

H-11

·

TYPE A-9 AND A-9P STEEL GRATES

05/31/07

H-12

·

TYPE 61614P AND 1211214P GRATED DROP INLET

05/31/07

H-13

·

TYPE 61616P AND 1211216P GRATED DROP INLET

05/31/07

H-14

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TYPE 61214P GRATED DROP INLET

05/31/07

H-15

·

TYPE 1211214, 1211214P, 1211216, 1211216P STEEL FRAME AND GRATES

05/31/07

H-16

·

TYPE 61614, 61614P, 61616, 61616P STEEL FRAME AND GRATES

05/31/07

H-17

·

TYPE 61214 STEEL FRAMES AND GRATES

05/31/07

H-18

·

TYPE 61214P STEEL GRATES

05/31/07

H-19

·

TYPE 61614B STEEL FRAME AND GRATES

05/31/07

H-20

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CEMENT RUBBLE MASONRY STRUCTURES

05/31/07

H-21

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CONCRETE AND CEMENT RUBBLE MASONRY STRUCTURES

05/31/07

H-22

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INLET/OUTLET STRUCTURE

05/31/07

H-23

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INLET/OUTLET STRUCTURE

05/31/07

H-24

·

FLARED END SECTION FOR CULVERTS

05/31/07

H-25

·

FLARED END SECTION FOR CULVERTS

05/31/07

H-26

·

CONCRETE SPILLWAY INLET

05/31/07

H-27

·

CAP COUPLING DETAILS STANDARD JOINT

05/31/07

H-28

·

REINFORCED CONCRETE COLLAR & JACKET

05/31/07

H-29

·

UNDERDRAIN CLEANOUT STEEL FRAME AND COVER

05/31/07

H-30

·

UNDERDRAIN CONNECTION TO DRAINAGE STRUCTURE

05/31/07

TE-01

●

SIGN HEIGHT AND LOCATION

07/11/08

TE-1A

●

SIGN INSTALLATION

07/11/08

TE-02A

●

GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING

05/31/07

TE-02B

●

GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING

05/31/07

TE-02C

●

GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING

05/31/07

TE-03A

·

GALVANIZED SQUARE TUBE SIGN POST MOUNTING

05/31/07

TE-03B

●

GALVANIZED SQUARE TUBE SIGN POST MOUNTING

05/31/07

TE-04

●

REGULATORY SIGNS

07/11/08

TE-05

●

WARNING SIGNS

07/11/08

TE-06

●

MISCELLANEOUS SIGNS

07/11/08

TE-07

●

CONSTRUCTION SIGNS

07/11/08

TE-08

●

MISCELLANEOUS INTERSECTION SIGNS

07/11/08

TE-09

●

BIKE ROUTE SIGN & SUPPLEMENTARY PLATES

07/11/08

TE-10

·

INTERSTATE ROUTE MARKER

07/11/08

TE-11

●

STATE ROUTE MARKER AND AUXILIARY MARKERS

07/11/08

TE-12

●

STATE ROUTE MARKER AND BORDER DETAIL FOR GUIDE SIGNS

07/11/08

TE-12A

●

ROUTE SIGN ASSEMBLIES

07/11/08

TE-13

●

STREET NAME SIGN ON MAST ARM

07/11/08

TE-14

●

MISCELLANEOUS REFLECTOR MARKERS

07/11/08

TE-15

●

OBJECT MARKERS

07/11/08

TE-16

●

MILE POSTS

07/11/08

TE-17A

·

CANTILEVER OVERHEAD SIGN ELEVATION & DETAILS

05/31/07

TE-17B

·

CANTILEVER SIGN FRAME DETAIL AND SECTION

05/31/07

TE-17C

·

CANTILEVER SIGN FRAME DETAIL

05/31/07

TE-17D

·

CANTILEVER SIGN FRAME SECTION

05/31/07

TE-17E

·

CANTILEVER SIGN FRAME DETAILS

05/31/07

TE-18A

·

TWO POST OVERHEAD SIGN FRAME ELEVATIONS

05/31/07

TE-18B

·

TWO POST SIGN FRAMING PLAN SECTION

05/31/07

TE-18C

·

TWO POST SIGN FRAMING SECTIONS AND DETAILS

05/31/07

TE-18D

·

TWO POST SIGN FRAME DETAILS

05/31/07

TE-18E

·

TWO POST SIGN FRAME DETAILS

05/31/07

TE-19A

·

OVERHEAD SIGN FRAMING SCHEDULE

05/31/07

TE-19B

·

SIGN POST DRILLED SHAFT FOUNDATION

05/31/07

TE-19C

·

SPREAD FOOTING

05/31/07

TE-19D

·

SIGN FRAME FOUNDATION SCHEDULE

05/31/07

TE-19D.1

·

SIGN FRAME FOUNDATION SCHEDULE

05/31/07

TE-19D.2

·

SIGN FRAME FOUNDATION SCHEDULE

05/31/07

TE-19D.3

·

SIGN FRAME FOUNDATION SCHEDULE

05/31/07

TE-19D.4

·

SIGN FRAME FOUNDATION SCHEDULE

05/31/07

TE-19D.5

·

SIGN FRAME FOUNDATION SCHEDULE

05/31/07

TE-19E

·

ANCHORAGE DETAILS

05/31/07

TE-19F

·

ANCHORAGE DETAILS

05/31/07

TE-19G

·

MISCELLANEOUS SIGN FRAME DETAILS

05/31/07

TE-19H

·

LUMINAIRE WALKWAY SUPPORT

05/31/07

TE-19J

·

FIXED MESSAGE LUMINAIRE SUPPORT

05/31/07

TE-19K

·

MISCELLANEOUS SIGN DETAILS

05/31/07

TE-19L

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MISCELLANEOUS SIGN DETAILS

05/31/07

TE-19M

·

MISCELLANEOUS SIGN FRAME DETAILS

TE-20

·

SUPPORTS FOR GROUND MOUNTED GUIDE SIGN

05/31/07

TE-20A

·

SUPPORTS FOR GROUND MOUNTED GUIDE SIGN

05/31/07

TE-20B

·

SUPPORTS FOR GROUND MOUNTED GUIDE SIGN

05/31/07

TE-20C

·

SUPPORTS FOR GROUND MOUNTED GUIDE SIGN

05/31/07

TE-21A

●

SIGN BREAKAWAY MOUNTS

05/31/07

TE-21B

●

SIGN BREAKAWAY MOUNTS

05/31/07

TE-22

·

LAMINATED ALUMINUM SIGN PANELS (OVERHEAD)

05/31/07

TE-23

·

LAMINATED ALUMINUM SIGN PANELS (GROUND MOUNTED)

07/11/08

TE-24

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SOLID ALUMINUM EXTRUDED SIGN PANEL AND ACCESSORY DETAILS

TE-25

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GUIDE SIGNS LUMINAIRE MOUNTINGS

05/31/07

TE-26

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RAISED PAVEMENT MARKERS AND STRIPING

07/11/08

TE-27

●

RAISED PAVEMENT MARKERS AND STRIPING

07/11/08

TE-28

·

ENTRANCE AND EXIT PAVEMENT MARKINGS

07/11/08

TE-28A

●

MISCELLANEOUS PAVEMENT MARKINGS

07/11/08

TE-29

●

PAVEMENT ARROWS AND SYMBOLS

07/11/08

TE-30

●

PAVEMENT ALPHABETS, NUMBERS & SYMBOLS

07/11/08

TE-31

●

PAVEMENT ALPHABETS, NUMBERS & SYMBOLS

07/11/08

TE-32

·

TYPE I & II TRAFFIC SIGNAL SYSTEM MISC. DETAILS

05/31/07

TE-33

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TYPE II TRAFFIC SIGNAL SYSTEM

08/16/06

TE-33A.1

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TYPE II TRAFFIC SIGNAL STANDARD

05/31/07

TE-33A.2

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TYPE II TRAFFIC SIGNAL STANDARD

05/31/07

TE-34

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LOOP DETECTOR DETAILS

07/11/08

TE-35

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LOOP DETECTORS & DUCT DETAILS

07/11/08

TE-36

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TRAFFIC SIGNAL DETAILS

07/11/08

TE-37

·

PULLBOX & COVER DETAILS

07/11/08

TE-37A

·

TYPE "A" TRAFFIC PULLBOX

05/31/07

TE-37B

·

TYPE "A" TRAFFIC PULLBOX REINFORCING

05/31/07

TE-37C

·

TYPE "B" TRAFFIC PULLBOX

05/31/07

TE-37D

·

TYPE "B" TRAFFIC PULLBOX REINFORCING

05/31/07

TE-37E

·

TYPE "B" TRAFFIC PULLBOX FOUNDATION

05/31/07

TE-37F

·

TYPE "C" TRAFFIC PULLBOX

05/31/07

TE-37G

·

TYPE "C" TRAFFIC PULLBOX REINFORCING

05/31/07

TE-37H

·

TYPE "C" TRAFFIC PULLBOX FOUNDATION

05/31/07

TE-37J

·

TRAFFIC PULLBOX COVER AND DETAILS

05/31/07

TE-38

·

TYPE III TRAFFIC SIGNAL STANDARD

05/31/07

TE-38A.1

·

TYPE III TRAFFIC SIGNAL STANDARD

05/31/07

TE-38A.2

·

TYPE III TRAFFIC SIGNAL STANDARD

05/31/07

TE-39

·

METAL GUARDRAIL CONNECTION TO CONCRETE BARRIER

07/11/08

TE-40

·

CONCRETE BARRIER TRANSITION

05/31/07

TE-40A

·

CONCRETE BARRIER TRANSITION SECTIONS

05/31/07

TE-41

·

GUARDRAIL TYPE 4 (RIGID BARRIER)

05/31/07

TE-42

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PORTABLE CONCRETE BARRIER

05/31/07

TE-43

·

PORTABLE CONCRETE BARRIER

05/31/07

TE-44

·

GUARDRAIL TYPE 4 MISCELLANEOUS DETAILS

07/11/08

TE-45

·

BARRICADES

07/11/08

TE-46

·

DELINEATION & PAVEMENT MARKINGS AT NARROW BRIDGES

07/11/08

TE-47

●

HIGHWAY LIGHT STANDARD

05/31/07

NOTE:

STANDARD PLANS APPLICABLE TO THIS PROJECT ARE INDICATED BY A "●" NEXT TO THE STANDARD PLAN NO. (FOR EXAMPLE: D-07 ●)

4/21/23

△

TE-03A Not in Use

4/21/23

△

TE-47 in Use

DATE

REVISION

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

KUHIO HIGHWAY RESURFACING

Waikaea Bridge to Mailihuna Road

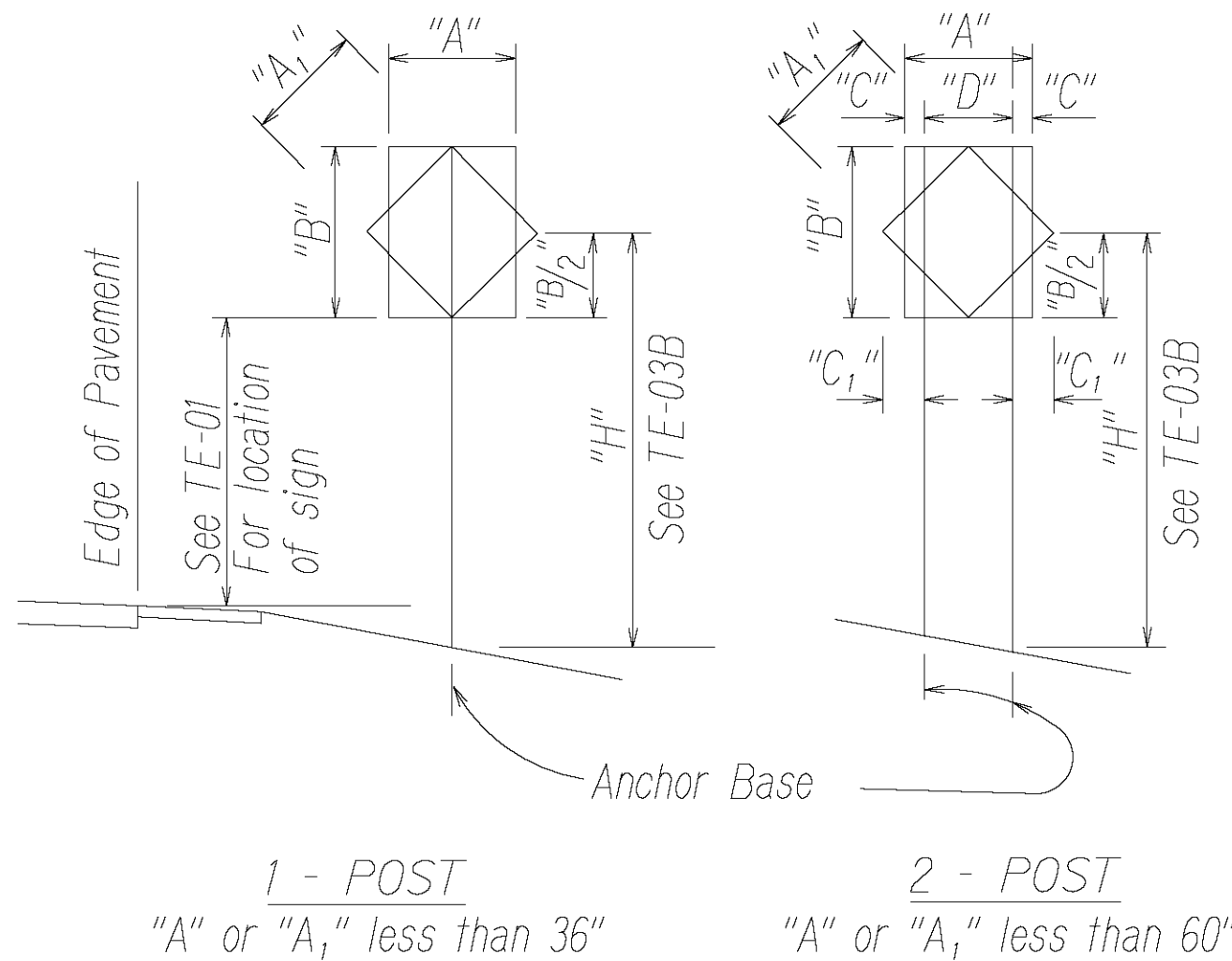
Federal-Aid Project No. NH-056-1(063)

Date: April 2023

SHEET No. 1 OF 1 SHEETS

ADD.2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.2S1	43

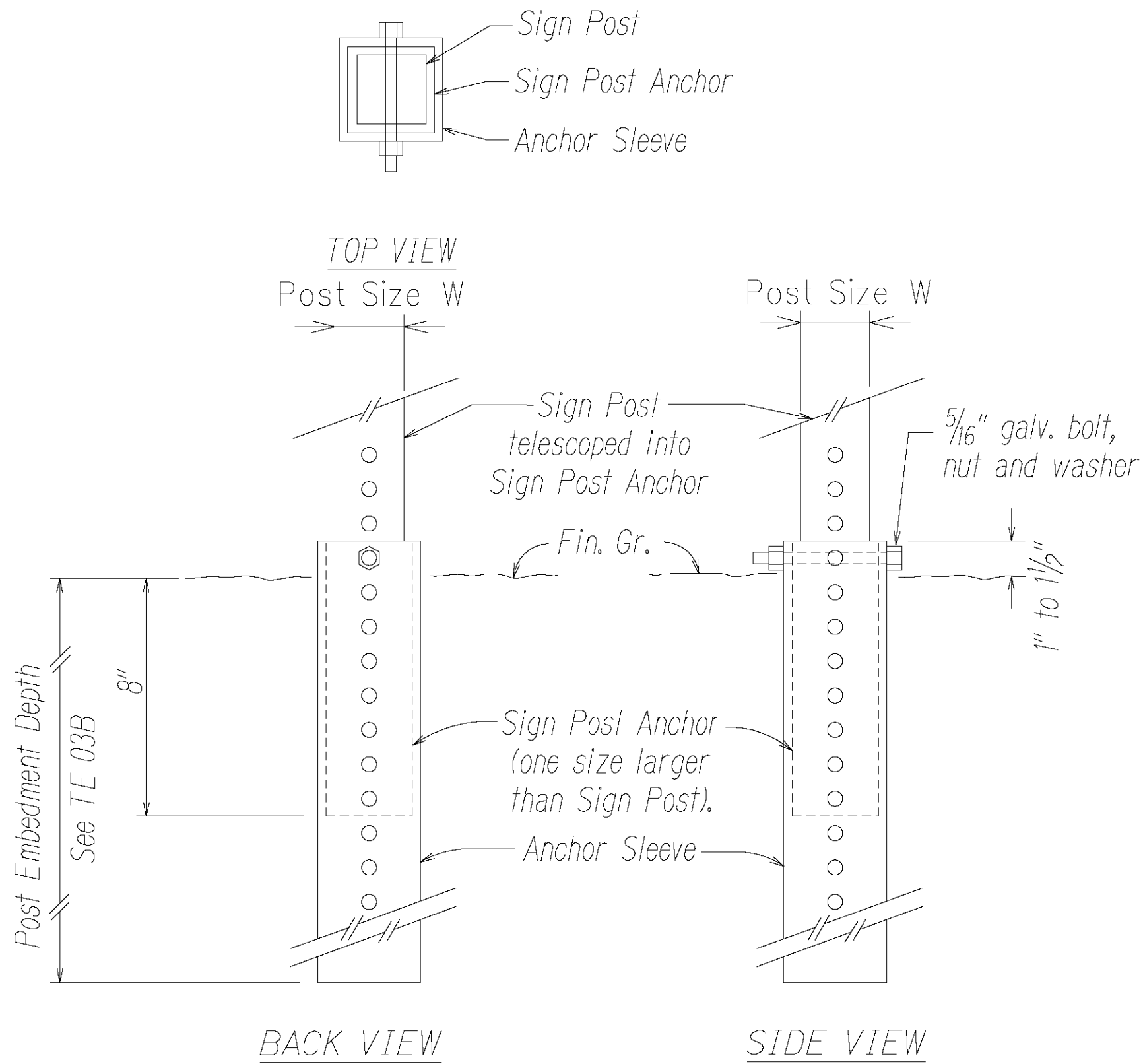


"A" or "A <sub>1</sub> "	"C"	"C <sub>1</sub> "
Less than 36"	6"	-
Greater than 36" and less than 48"	9"	19"
Greater than 48"	12"	24"

NOTE: Frame stiffeners are required when D is greater than 24"  
See General Notes.

### TYPICAL INSTALLATION

Not to Scale



### SIGN POST INSTALLATION

### ANCHOR BASE DETAIL

Not to Scale

### GENERAL NOTES

- Design Specifications:
  - Design shall conform w/ the latest AASHTO Standard Specifications for the Structural Supports for Highway Signs, Luminaires & Traffic Signals and its interim supplements and modifications by the Highways Division, Department of Transportation State of Hawaii.
  - Latest HDOT Memorandum with subject title "Design Criteria for Bridges and Structures."
- Loads:
  - Basic Wind Speed: 105 mph.
  - Recurrence Interval of 10 years.
- Materials:
  - Post shall conform to the Standard Specifications.
  - All connection bolts shall be AASHTO M164 bolts and anchor bolts shall be AASHTO M314-105 bolt.
  - Lap splice nuts and bolts shall be M180, with an ultimate tensile strength of 180 ksi, min.
  - Aluminum members and surfaces in contact with structural steel shall be isolated with neoprene material as approved by the Engineer.
- General:
  - See General Notes on B-01, TE-01, and TE-03B for additional information.
  - All posts shall be 12 gage unless otherwise specified or shown on the plans.
  - Square tube posts shall be perforated with 7/16"  $\phi$  holes, 1" o.c., 4 sides, along entire length of post.
  - All accessories, fittings and stiffener details (as required) shall be submitted to the Engineer for approval 20 days prior to installation.
  - Alternate designs in accordance with the plans and specifications shall use the Service Load Design Method and shall be stamped by a registered structural engineer of the State of Hawaii and submitted to the Engineer for approval.
  - All sign support posts shall be outside of the clear zone or shielded by an appropriate traffic barrier system. The traffic barrier system shall be submitted to the Engineer for his approval.
  - The Contractor shall use templates while installing the anchor bolts. Anchor bolts shall be vertical.
  - Excavation and backfill shall be considered incidental to the cost of the sign foundation.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GALVANIZED SQUARE TUBE  
SIGN POST MOUNTING  
KUHIO HIGHWAY RESURFACING  
Waikaea Bridge to Mailihuna Road  
Federal-Aid Project No. NH-056-1(063)

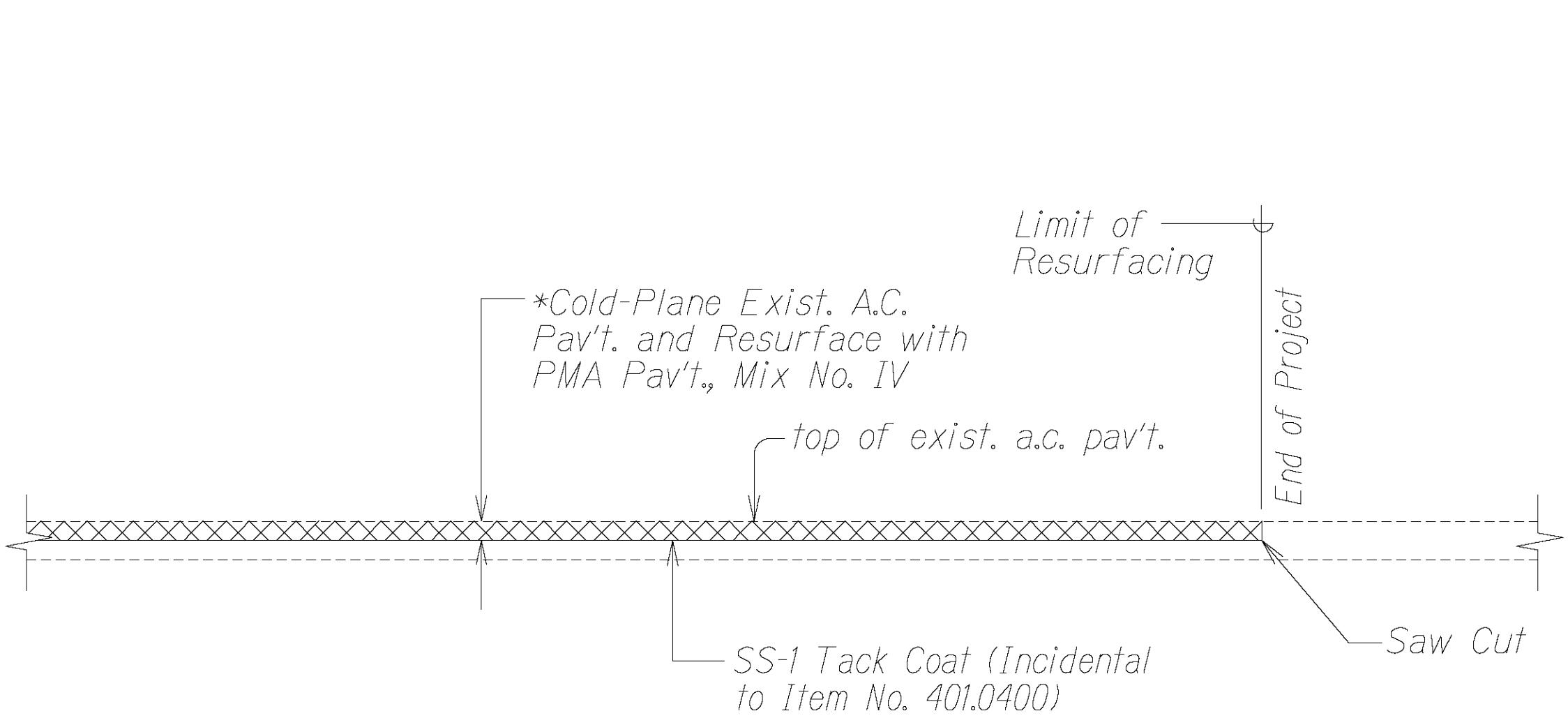
Scale: Not to Scale      Date: April 2023

SHEET No. 1 OF 1 SHEETS

GENERAL NOTES			<table><tr><td>FED. ROAD DIST. NO.</td><td>STATE</td><td>FED. AID PROJ. NO.</td><td>FISCAL YEAR</td><td>SHEET NO.</td><td>TOTAL SHEETS</td></tr><tr><td>HAWAII</td><td>HAW.</td><td>NH-056-I(063)</td><td>2023</td><td>ADD.3</td><td>43</td></tr></table>			FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	HAWAII	HAW.	NH-056-I(063)	2023	ADD.3	43
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS												
HAWAII	HAW.	NH-056-I(063)	2023	ADD.3	43												
<div><div><div>REVIEW PLOTTED BY DATE</div><div>DESIGNED BY CHECKED BY</div><div>NOTES QUANTITIES BY</div></div><div><div>ORIGINAL PLAN</div><div>WORK</div><div>NO.</div></div></div>			<div><div><div>1. The scope of work for this project includes reconstructing weakened pavement areas; cold planing; resurfacing; removing and disposing of existing pavement markers, object markers and, traffic signs; installing new pavement markers, object markers, traffic signs and milled rumble strip; curb extensions.</div><div>2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts.</div><div>3. The Contractor's attention is directed to the following Sections of the Standard Specifications: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; and Section 645 - Work Zone Traffic Control.</div><div>4. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.</div><div>5. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.</div><div>6. The exact locations and limits or areas to be excavated, reconstructed and cold planed shall be determined in the field by the Engineer.</div><div>7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.</div><div>8. All lanes shall be open to traffic during the hours from 5:00 AM to 9:00 PM. Only one lane of highway shall be closed at any other time. Night working hours are specified in Section 107 of the Special Provisions. Failure of the contractor to open all lanes of traffic during the times specified above shall result in assessment of liquidated damages as specified in Section 108.09 of the Special Provisions.</div><div>9. 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 Item No. 401.0410 - PMA Pavement, Mix No. IV and will not be paid separately.</div><div>10. Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans.</div><div>11. Trimming and dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. Suitable materials shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional materials from borrow outside the limits of the right of way. Asphalt concrete removed from cold planing, reconstruction and roadway excavation shall not be used for dressing of shoulder, sidewalk or bus turnout. All graded and dressed shoulders shall be considered incidental to various contract items and will not be paid separately.</div><div>13. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.</div><div>14. The Contractor shall provide for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to the various contract items, and will not be paid for separately.</div><div>15. All saw cutting work shall be considered incidental to Item No. 401.0410 - PMA Pavement, Mix No. IV and will not be paid for separately.</div><div>16. Removal and disposal of existing raised pavement markers as directed by the Engineer or shown on the plans, shall be considered incidental to various contract items.</div></div><div><div><div>17. Prior to his resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility &amp; highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade.</div><div>18. After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.</div><div>19. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.  Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.</div><div>20. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.</div><div>△ 21. All asphalt concrete materials from cold planing, reconstruction and roadway excavation operations shall become the property of the Contractor. The Contractor shall remove and dispose these materials and shall be considered incidental to the various contract items.</div><div>22. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the State Highways Division at telephone no. 241-3000.</div><div>23. Prior to commencing his operations, the Contractor shall contact the County of Kauai, Department of Water Operations Division (Phone No. 245-5444) and make arrangements for the Department to locate and mark the existing water facilities within the project limits, such as waterlines, valve boxes and manhole frame/covers (including ones that may have been inadvertently paved over on previous resurfacing projects). The tops of the existing valve boxes, manhole frame/covers, etc., shall be adjusted to match the new finished grades noted on the construction plans.</div><div>24. All workers within the State right-of-way who are exposed to either vehicles using the roadway or to construction equipment shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of ANSI/ISEA 107-2004. "Workers" is defined as people on foot whose duties place them with the State right-of-way, such as, but not limited to construction and maintenance forces, equipment operators, survey crews, utility crews, responders to incidents (e.g., EMT and firemen), and law enforcement personnel directing traffic, investigating accidents, handling lane closures and obstructed roadways.</div><div>25. Should historic remains such as artifacts, burials, concentrations of shell or charcoal be encountered during construction activities, work shall cease immediately in the immediate vicinity of the find. The Contractor shall immediately notify the Planning Department at (808) 241-4050 and State Historic Preservation Division at (808) 692-8015, which will assess the significance of the find and recommend the appropriate mitigation measures, if necessary.</div><div>26. Prior to construction, the contractor shall contact the various utility agencies for location of existing utilities within the project limits. The Contractor shall locate and protect all existing utilities whether or not shown on the plans. Any costs incurred by damages to existing utilities will be borne by the Contractor. Contractor shall request from One-Call Center, Ph: 1-866-423-7287. The Contractor shall also call the County of Kauai, Department of Water, Ph: 245-5444 and the Wastewater Division, Ph: 241-6642 for toning waterlines and sewerlines respectively.</div></div><div><div><div>Existing Power Pole</div><div>Existing Electric Manhole</div><div>Adjusted Elec. MH Frame/Cover</div><div>Existing Traffic Signal Pullbox</div><div>Existing Telephone Manhole</div><div>Adjusted Tel. MH Frame/Cover</div><div>Existing Telephone Pullbox</div><div>Existing 12" Water Line</div><div>Existing Water Manhole</div><div>Adjusted Water MH Frame/Cover</div><div>Existing Water Air Valve</div><div>Adjusted Water Air Valve</div><div>Existing Water Valve Box</div><div>Adjusted Water Valve Box</div><div>Existing Water Meter Box</div><div>Adjusted Water Meter Box</div><div>New Type "X" Water Meter Box</div><div>Existing Traffic Sign</div><div>New Traffic Sign</div></div><div><div>Reconstruction Areas</div><div>Cold Planing Areas &amp; Resurfacing Limits</div></div><div><div>Existing Metal Guardrail</div><div>New Metal Guardrail</div><div>Adjusted and/or Relocated Metal Guardrail</div><div>Existing Fire Hydrant</div><div>Existing Sewer Line</div><div>New 12" Sewer Line</div><div>Existing Sewer Manhole</div><div>Adjusted Sewer Manhole</div><div>New Sewer Manhole</div><div>Existing Monument</div><div>Adjusted Monument</div><div>New Monument</div><div>Existing 24" Drain Line</div><div>Existing Storm Drain Manhole</div><div>Adjusted Storm Drain Manhole</div><div>Existing Grated Drop Inlet</div><div>New Grated Drop Inlet</div><div>Adjusted/Reconstructed Drain Inlet or Replaced Steel Grate</div></div></div><div><div>4/21/23</div><div>△ - Revise Note No. 21</div><div>DATE</div><div>REVISION</div><div>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</div><div>GENERAL NOTES AND LEGEND</div><div>KUHIO HIGHWAY RESURFACING Waikaea Bridge to Maillihuna Road Federal-Aid Project No. NH-056-I(063)</div><div>Date: April 2023</div><div>SHEET No. 1 OF 1 SHEETS</div></div><div>ADD.3</div></div></div>														

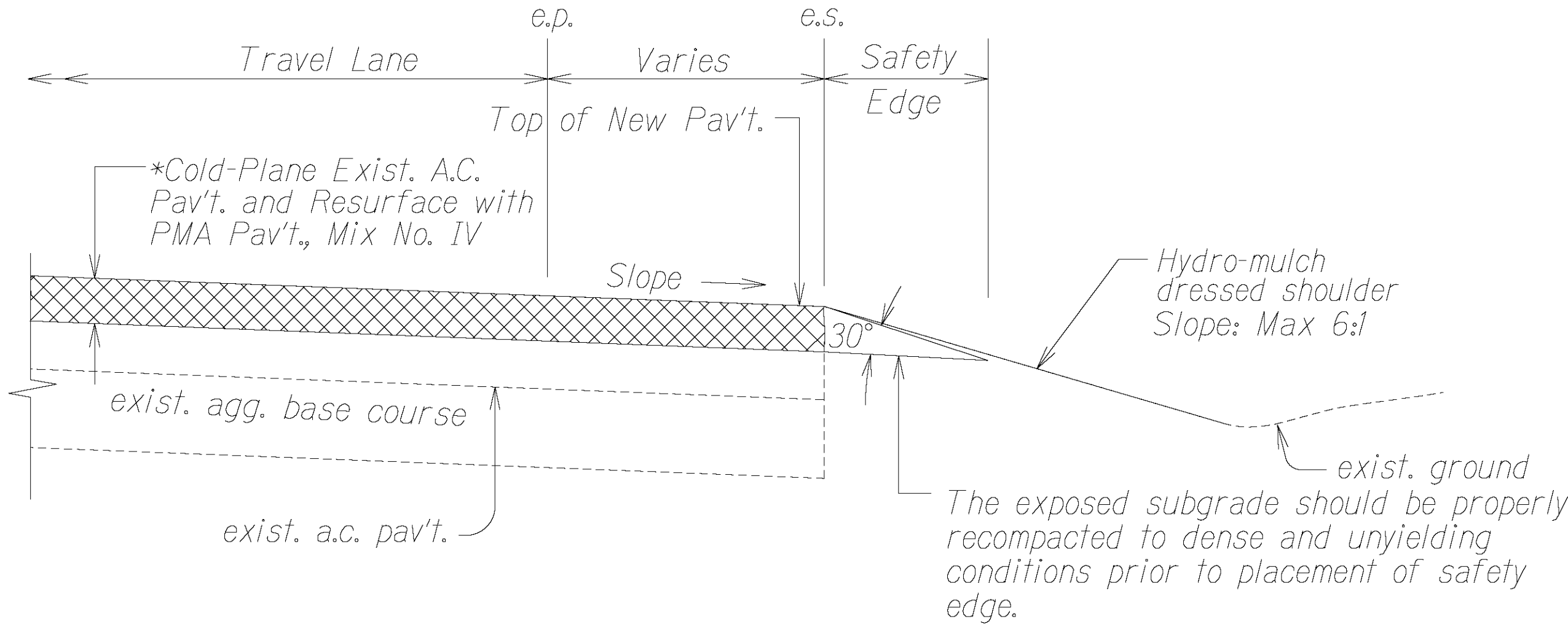


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.12	43



COLD PLANED TRANSITION TO EXISTING A.C. PAVEMENT  
AT BEGINNING AND END OF PROJECT  
Not to Scale

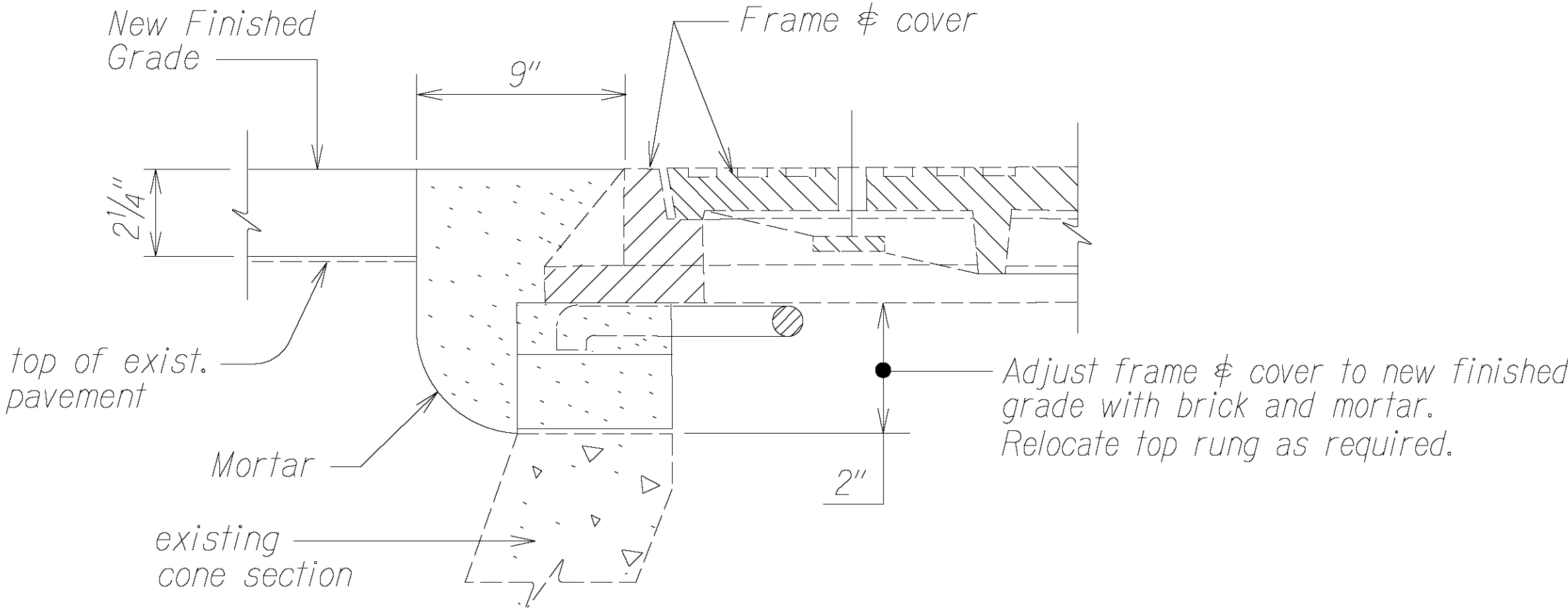
\*Depths for Cold-Plane and Resurfacing vary depending on the Stationing:  
    ⊞ Sta. 550+80 to ⊞ Sta. 568+25 shall be 3".  
    ⊞ Sta. 568+25 to ⊞ Sta. 605+38 shall be 2".



TYPICAL PAVEMENT EDGE DETAIL  
Not to Scale

\*Depths for Cold-Plane and Resurfacing vary depending on the Stationing:  
    ⊞ Sta. 550+80 to ⊞ Sta. 568+25 shall be 3".  
    ⊞ Sta. 568+25 to ⊞ Sta. 605+38 shall be 2".

- Notes:
- Contractor shall mount a device directly on the paver screed extension to provide a 30° beveled shoulder edge.
  - Construct safety edge at all edges of a.c. pavement. This work shall be considered incidental to Item No. 401.0410 - HMA Pavement Mix No. IV.

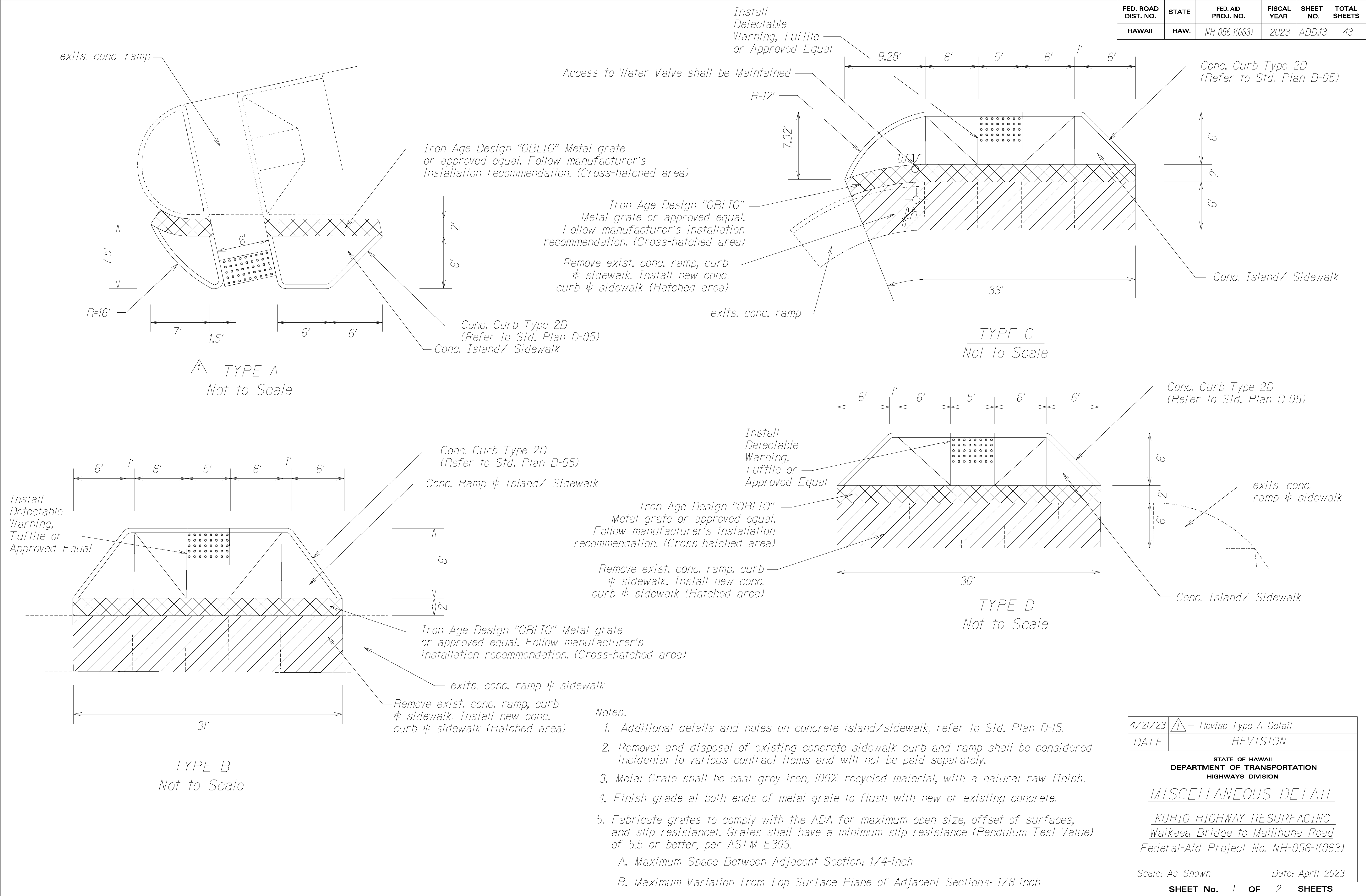


TYPICAL MANHOLE FRAME & COVER ADJUSTMENT  
(WATER, SEWER, STORM DRAIN & UTILITY MANHOLES)  
Not to Scale

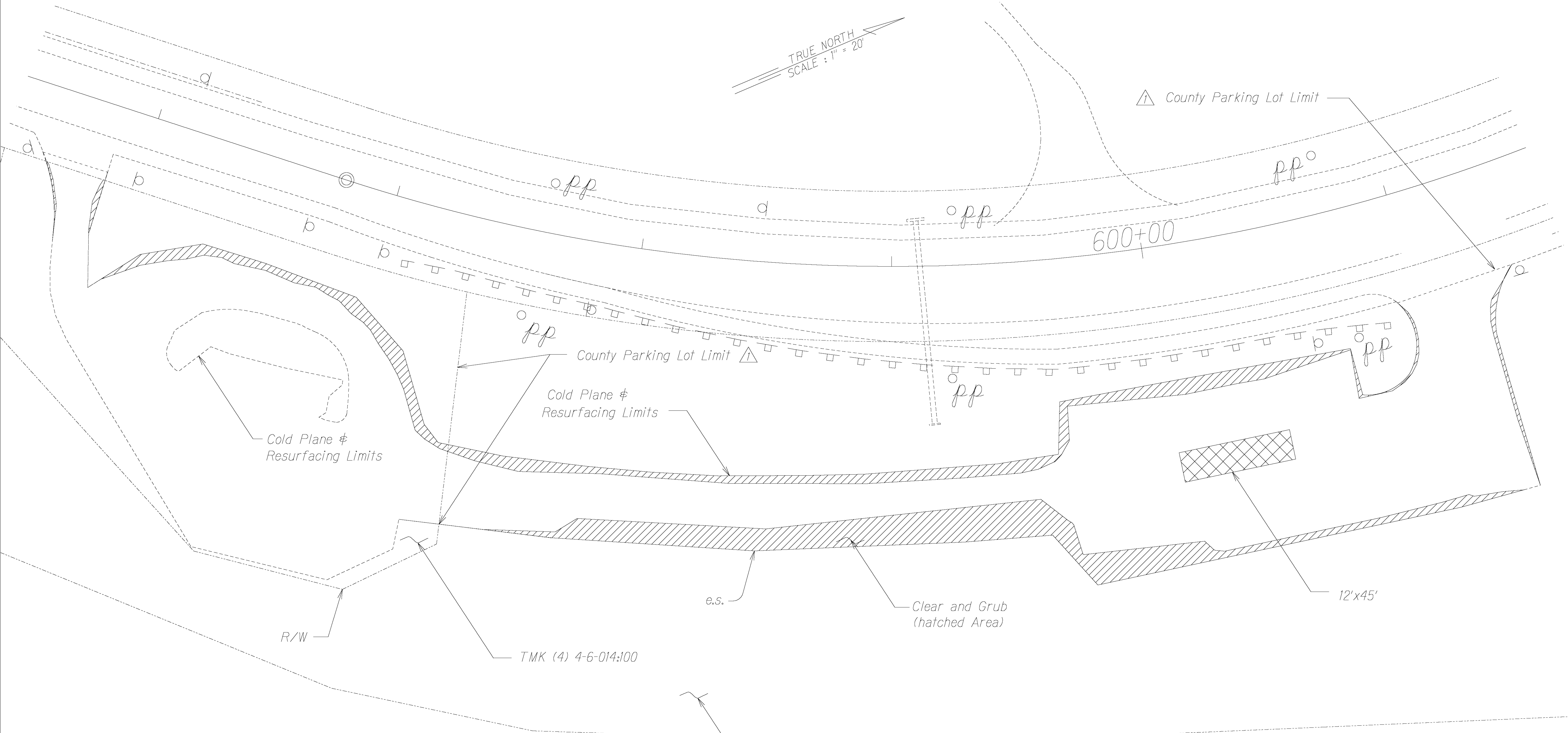
NOTE: As an option, the Contractor may use an Adjus-to-Grade four-section extension ring with Safe-Tite seal, as manufactured by the National Utility Products Co. (NUPCO), or approved equal.

4/21/23	- Revise Typical Pavement Edge Detail
4/21/23	- Additional Notes
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION  TYPICAL SECTIONS  KUHIU HIGHWAY RESURFACING Waikāea Bridge to Mailihuna Road Federal-Aid Project No. NH-056-1(063)  Scale: As Noted      Date: April, 2023 SHEET No. 5 OF 5 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.13	43



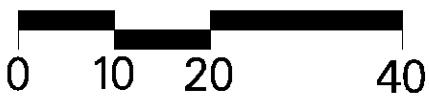
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.20	43



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	
NOTE BOOK	
4/25/23	

4/25/23	△ - Revision to Callouts
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION  ROADWAY PLAN  KUHIO HIGHWAY RESURFACING Waikaea Bridge to Mailihuna Road Federal-Aid Project No. NH-056-1(063)  Scale: 1" = 20' Date: Mar. 2023 SHEET No. 6 OF 6 SHEETS	



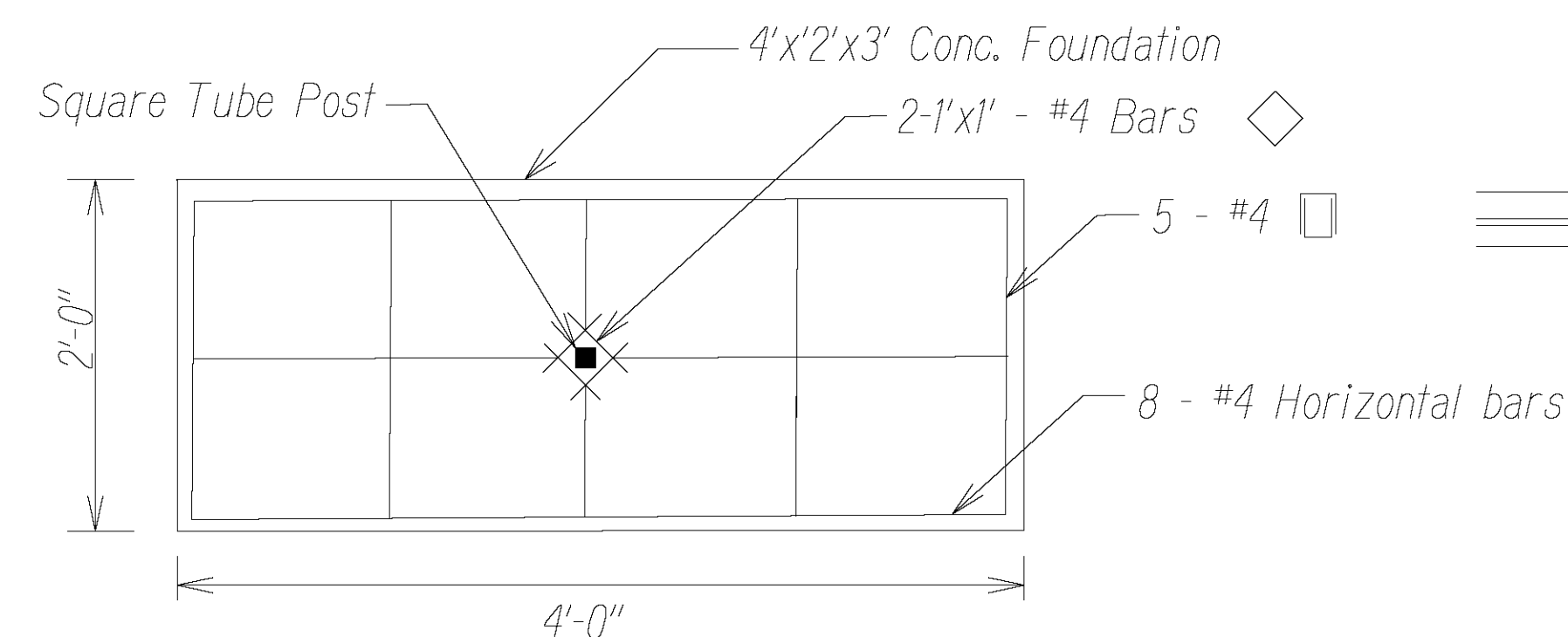


1. *Hawaii Department of Transportation (HDOT), Hawaii Standard Specifications for Road and Bridge Construction, 2005.*
2. *HDOT Highways Division Design Branch - Standard Plans Dated 2008.*


1. American Association of State Highway and Transportation Officials (AASHTO) 2020 "LRFD Bridge Design Specifications" 9th Edition as amended by HDOT document dated August 8, 2014 with subject title "Design Criteria for Bridges and Structures".
2. AASHTO LRFD Specifications for Structural Support for Highways Signs, Luminares, and Traffic Signals, 1st Edition, including the 2017 interim Revisions.
3. HDOT document dated August 8, 2014 with subject title "Design Criteria for Bridges and Structures" and HDOT memorandum dated January 8, 2018 with subject title "Changes to Design Criteria for Bridges and Structures".

1. *The Locations Of The New Traffic Signal Standards with Rectangular Rapid Flashing Beacons (RRFB) And Pedestrian Push Buttons shall be staked out in the filed by the Contractor and approval of the locations shall be obtained from the Engineer prior to construction and installation.*
2. *RRFB System Shall Conform To The Requirements Of The 2009 Edition Of The "Manual On Uniform Traffic Control Devices," Federal Highway Administration. The System Shall Conform To All Provisions Of The MUTCD, Interim Approval IA-21.*
3. *RRFB System Shall Be Solar-Powered With Spread Spectrum Wireless Communication. Solar Engine Shall Be Sized With Minimal Dimensions To Provide Sufficient Power Output To Operate the RRFB System.*
4. *Each Pushbutton Shall Be Installed With An Instruction Sign R10-25 (9" (9" x 12") That Reads, "Push Button To Turn On Warning Lights". See Sht. TS-4 For More Details.*
5. *RRFB Controller Equipment Shall Be Completely Self-Contained With No Connection To External Power Necessary.*
6. *The W16-7P Plaque And The Rapid-Flash LED Enclosure Shall Not Extend More Than 4" Horizontally Over Any Pedestrian Facility.*
7. *Contractor Shall Install Signs And Posts And Rectangular Rapid Flash Beacon And Push Button, Per The Manufacturer's Specifications.*
8. *Contractor Shall Submit Product Data For Review And Approval By The Engineer Prior To Purchasing And Installation.*
9. *The RRFB Installation Shall Comply With The Technical Conditions As Provided In The FHWA Technical Memorandum Regarding The Interim Approval For Optional Use Of Rectangular Rapid Flash Beacon.*
10. *Each Crossing Where There Is No Median Shall Have A Minimum Of Two Poles Each With Push Button Detection. Each Pole Shall Have Signs And Beacons Facing Both Sides (Double-Sided). At Locations With A Median, Provide Two Poles With Single-Sided Sign And Beacon And Provide A Third Pole In The Median With Double -Sided Signs And Beacons.*
10. *W11-2 Warning Signs And Supplemental Plaques W16-7P Shall Have A Fluorescent Yellow-Green Background With A Black Legend And Border. The Mixing Of Standard Yellow And Fluorescent Yellow-Green Backgrounds Is Not Allowed.*

- | Location | Height |
|----------|--------|
| ①        | 20'-0" |
| ②        | 20'-0" |
| ③        | 20'-0" |
| ④        | 15'-0" |



Solar Engine (Single-Sided Or Dual-Sided), See Note 3  
 Square Post Mount  
 W11-2 (30" x 30")  
 See Note 10  
 Rectangular Rapid Flash Beacon (RRFB)  
 W16-7P Signs (24" x 12")  
 See Note 10  
 Square Tube Post  
 ADA Compliant Push Button With Instruction Sign R10-25 (9" x 12")  
 See Note 4  
 2'-4"x4" - #4 Bars  
 Finish Grade  
 4'x2'x3' Conc. Foundation  
 5 - #4  
 8 - #4 Horizontal bars  
 Refer to Standard Plan TE-03B for Post Embedment Detail

4/21/23		<i>Revise Rectangular Rapid Flashing Beacon Details and Notes</i>
DATE	REVISION	

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

PAVEMENT MARKING LEGEND,  
DETAILS, NOTES & SUMMARY

*KUHIO HIGHWAY RESURFACING*  
*Waikaeae Bridge to Maaliuhuna Road*  
*Federal-Aid Project No. NH-056-1(063)*

*Date: April 2023*

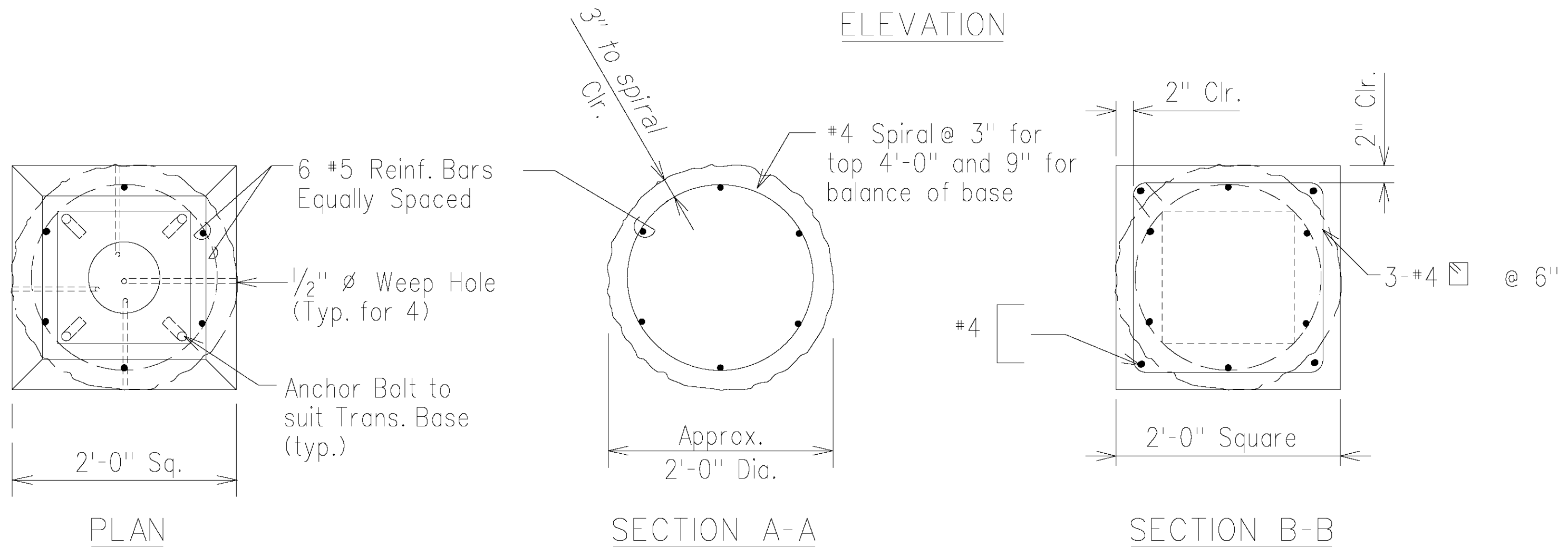
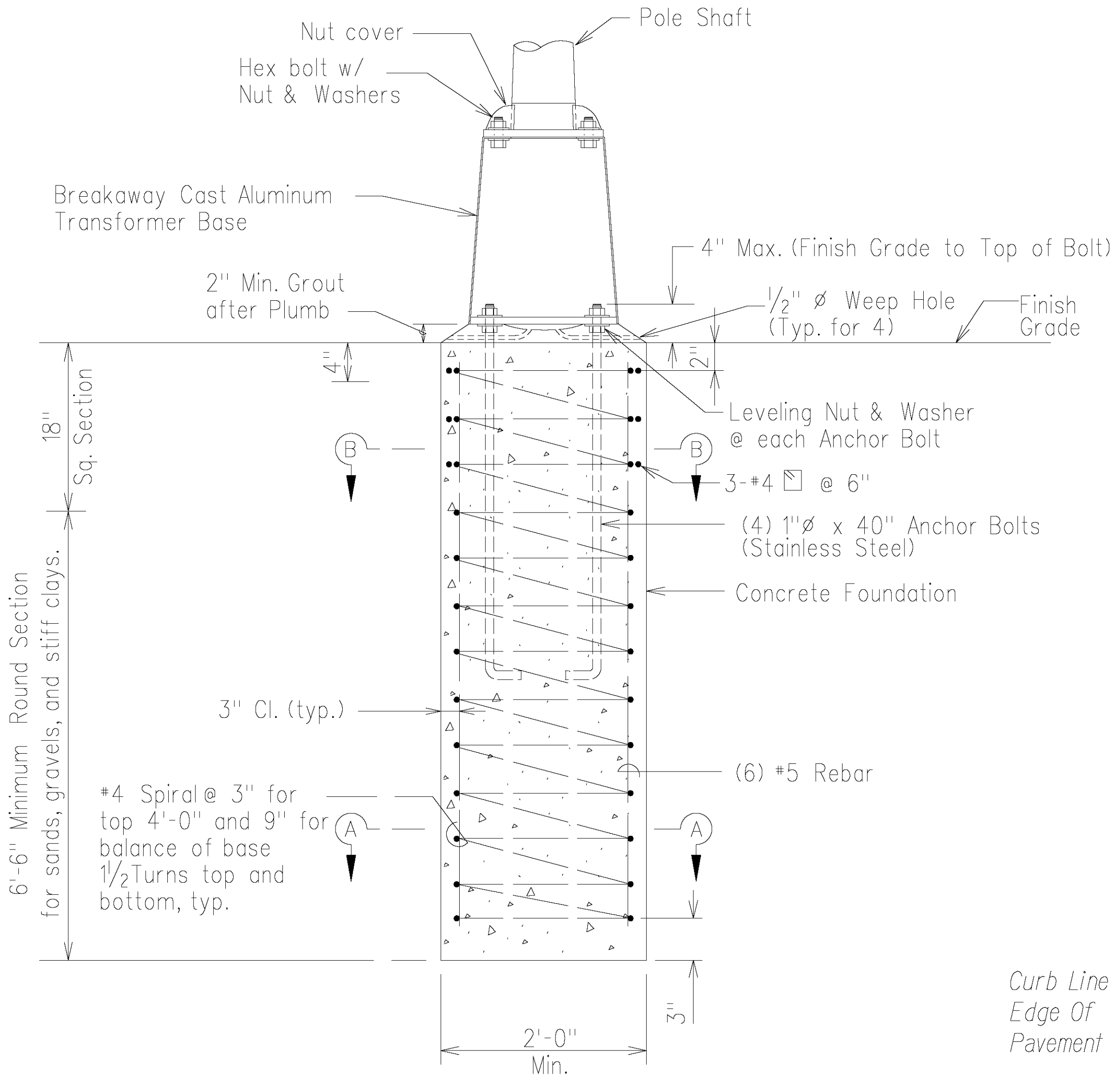
ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK K2Jeff K4nfig003.dgn	DRAWN BY <u>X</u> _____
	TRACED BY _____
	DESIGNED BY <u>X</u> _____
	QUANTITIES BY _____
	CHECKED BY _____



CONT. FROM PLAN SHEET. NO. AAD 23 NOTES:

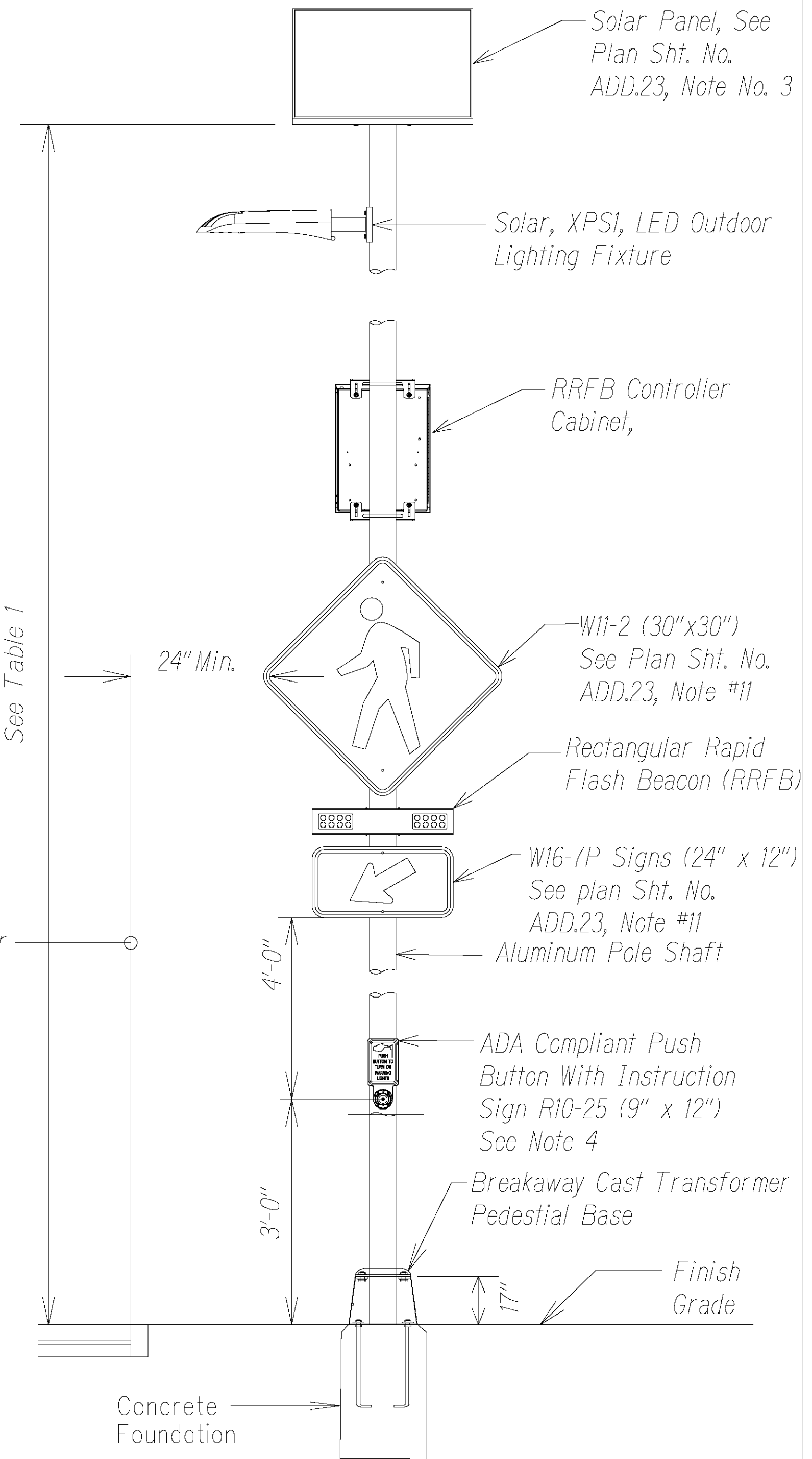
18. Furnishing and installation of Solar panel, Aluminum Pole, Traffic Signs, RRFB, RRFB Controller Cabinet, Solar LED Outdoor Lighting Fixture, ADA compliant push button, Brakeaway Cast Aluminum Transformer Base, Anchor Bolts and other hardware shall be considered incidental to Item No. 631.0510 - RRFB with Overhead Light Assembly and will not be paid separately.
19. Contractor shall provide shop drawings of RRFB with Overhead Light Assembly including structural calculations that are stamped by a licensed Structural Engineer for review and approval by the Engineer. This work shall be considered incidental to Item No. 631.0500 - RRFB with Overhead Light Assembly and will not be paid separately.
20. RRFB with overhead lighting systems shall be "Camarah SC315-G with 50 W solar panel and 35 Ah battery (with Overhead lighting)" or approved equal.
21. Furnishing and construction of RRFB with Overhead Light Assembly concrete foundation shall be paid under Item No. 511.631.0500 - RRFB with Overhead Light Assembly and will not be paid separately.
22. Refer to State Standard Specifications Section 511 for drilled shaft concrete properties.
23. Construction of concrete foundation shall be paid under Item No. 511.0100 - Furnishing Drilled Shaft drilling Equipment, Item No. 511.0200 - Drilled Shaft, and Item No. 511.0300 - Standard Excavation.
24. See Standard Plans TE-B01 for additional notes.

Table 1	
Location	Height
①	20'-0"
②	20'-0"
③	20'-0"
④	15'-0"



TYPICAL CONCRETE FOUNDATION AND TRANSFORMER BASE DETAIL  
Not To Scale

RECTANGULAR RAPID FLASHING BEACON WITH OVERHEAD LIGHT  
Not To Scale



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

PAVEMENT MARKING LEGEND,  
DETAILS, NOTES & SUMMARY

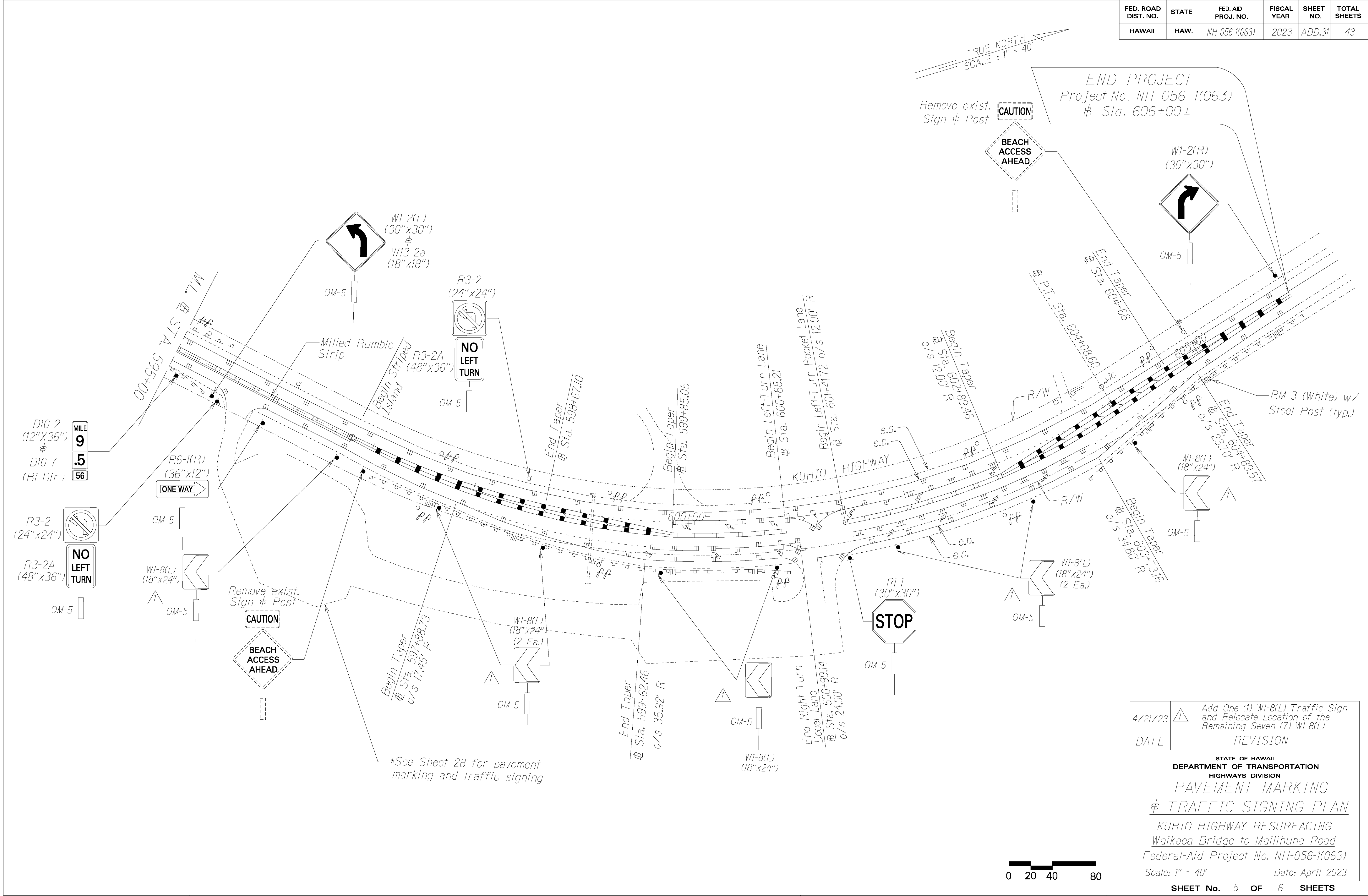
KUHIO HIGHWAY RESURFACING  
Waikaeae Bridge to Maaliuhuna Road  
Federal-Aid Project No. NH-056-1(063)

Date: April 2023

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.23S1	43



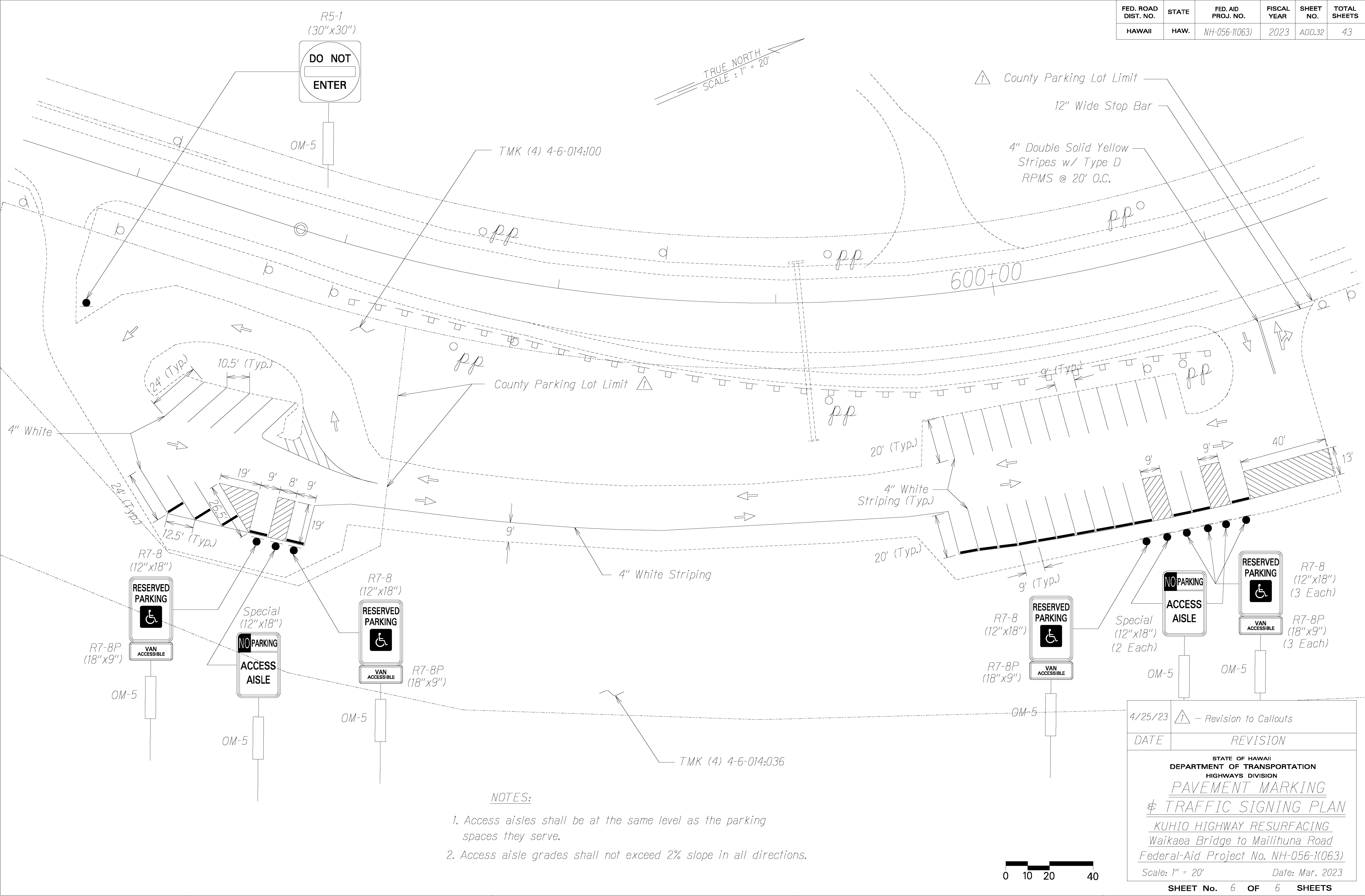
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.31	43



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

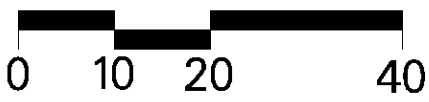
4/21/23	ADD One (1) W1-8(L) Traffic Sign and Relocate Location of the Remaining Seven (7) W1-8(L)
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>PAVEMENT MARKING &amp; TRAFFIC SIGNING PLAN</b> KUHIOW HIGHWAY RESURFACING Waikaea Bridge to Mailihuna Road Federal-Aid Project No. NH-056-1(063) Scale: 1" = 40' Date: April 2023	
SHEET No. 5 OF 6 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.32	43



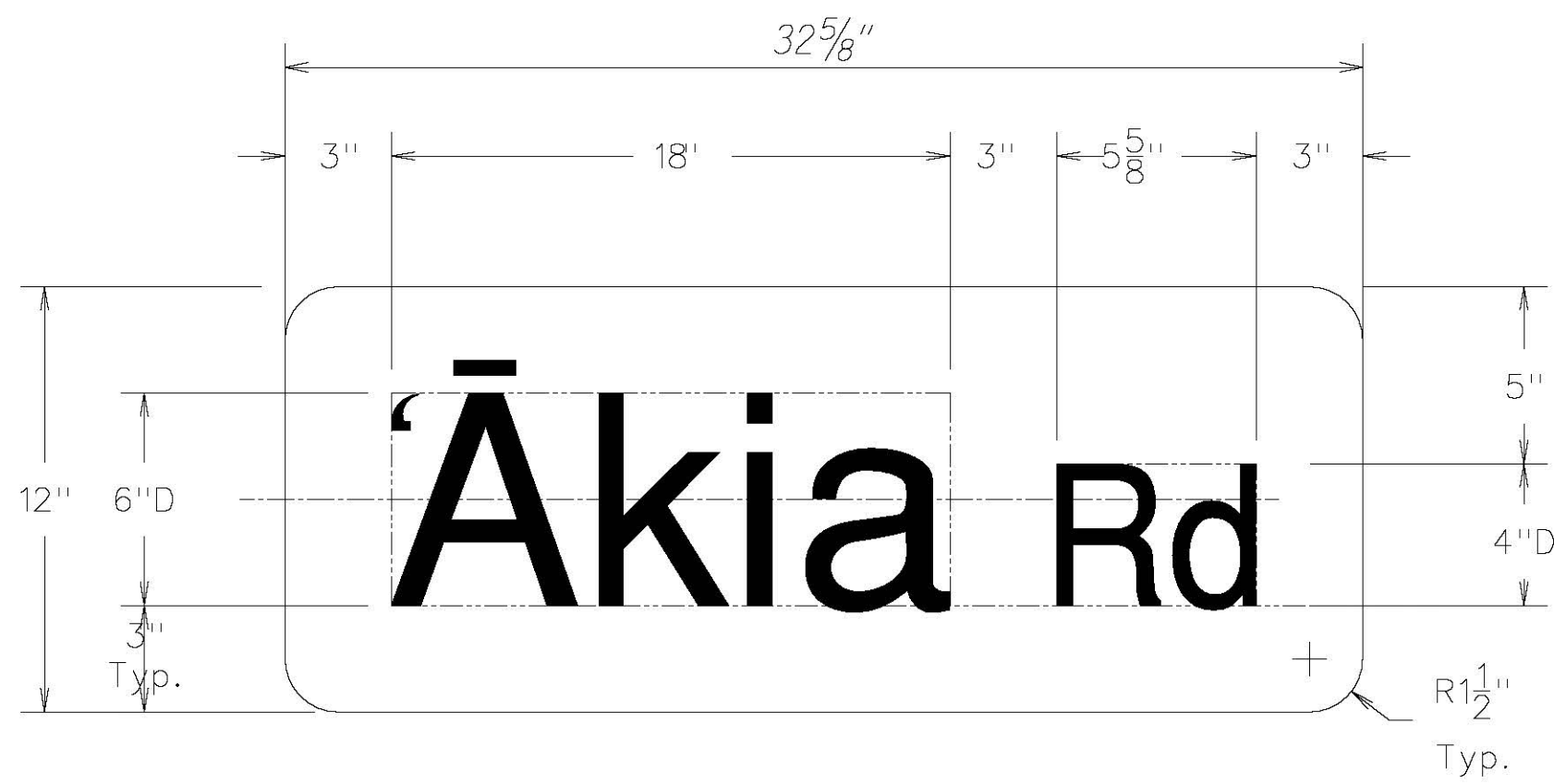
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

- NOTES:
- Access aisles shall be at the same level as the parking spaces they serve.
  - Access aisle grades shall not exceed 2% slope in all directions.

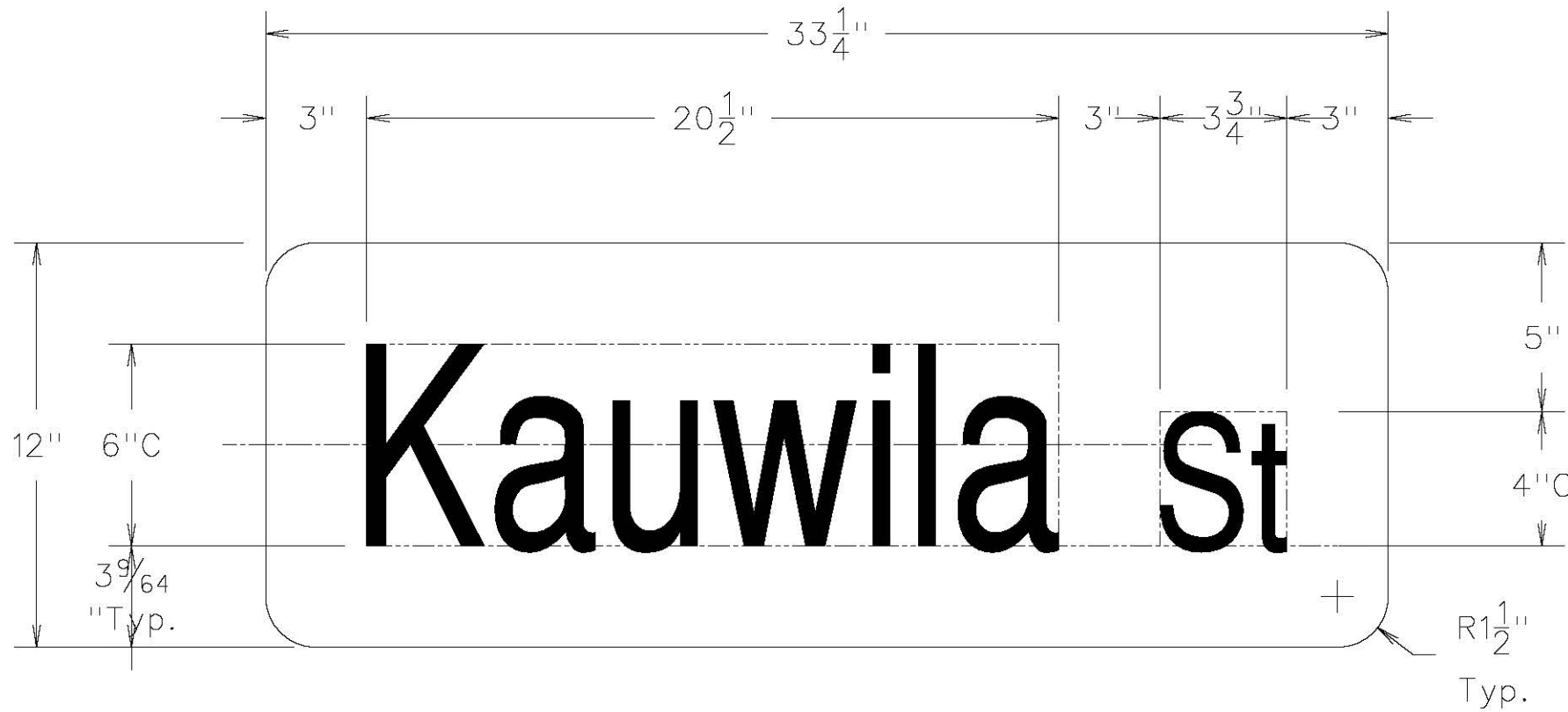


4/25/23	△ - Revision to Callouts
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>PAVEMENT MARKING &amp; TRAFFIC SIGNING PLAN</b> KUHIU HIGHWAY RESURFACING Waikaea Bridge to Mailihuna Road Federal-Aid Project No. NH-056-1(063) Scale: 1" = 20' Date: Mar. 2023	
SHEET No. 6	OF 6 SHEETS

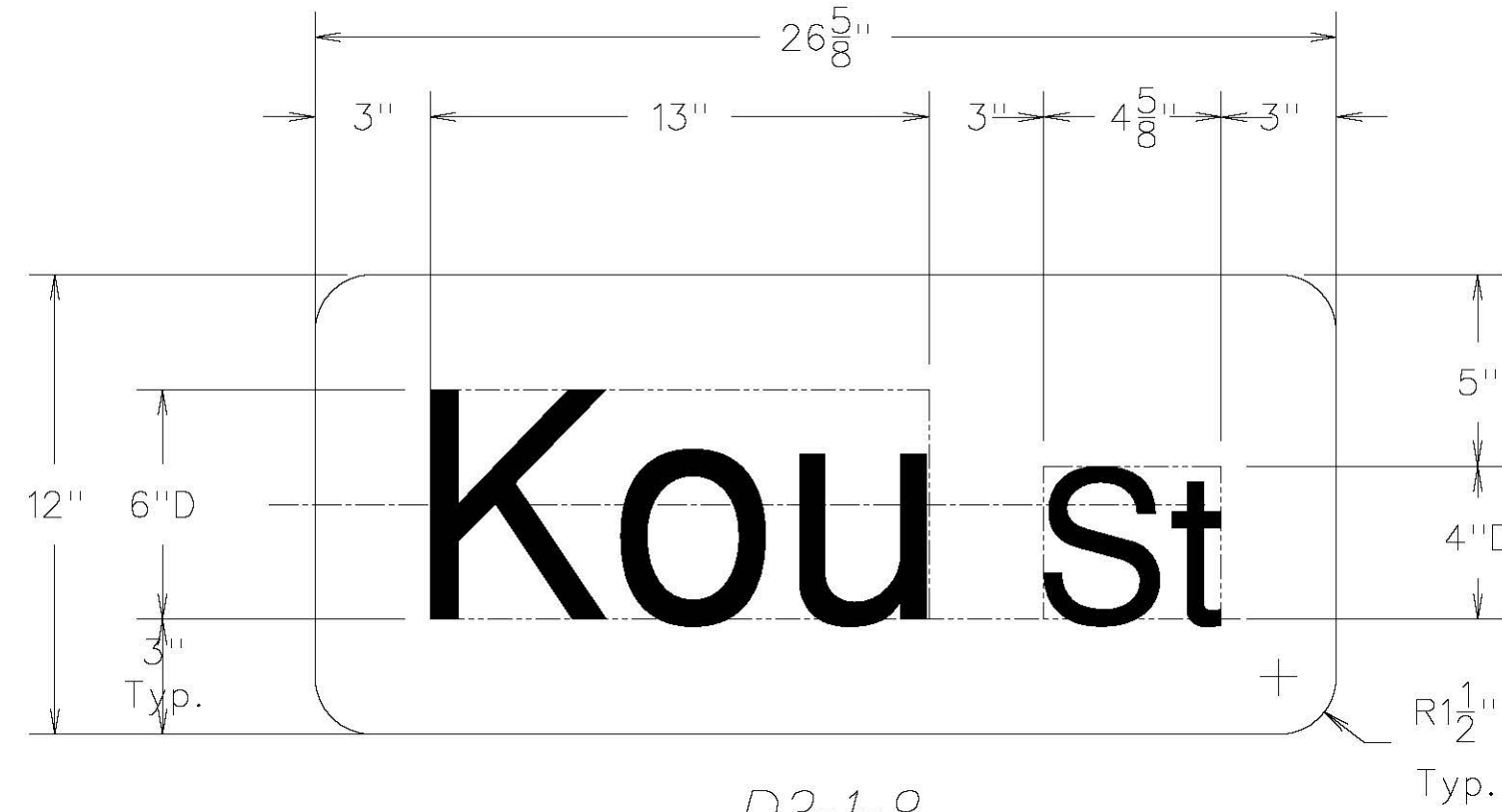
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.34	43



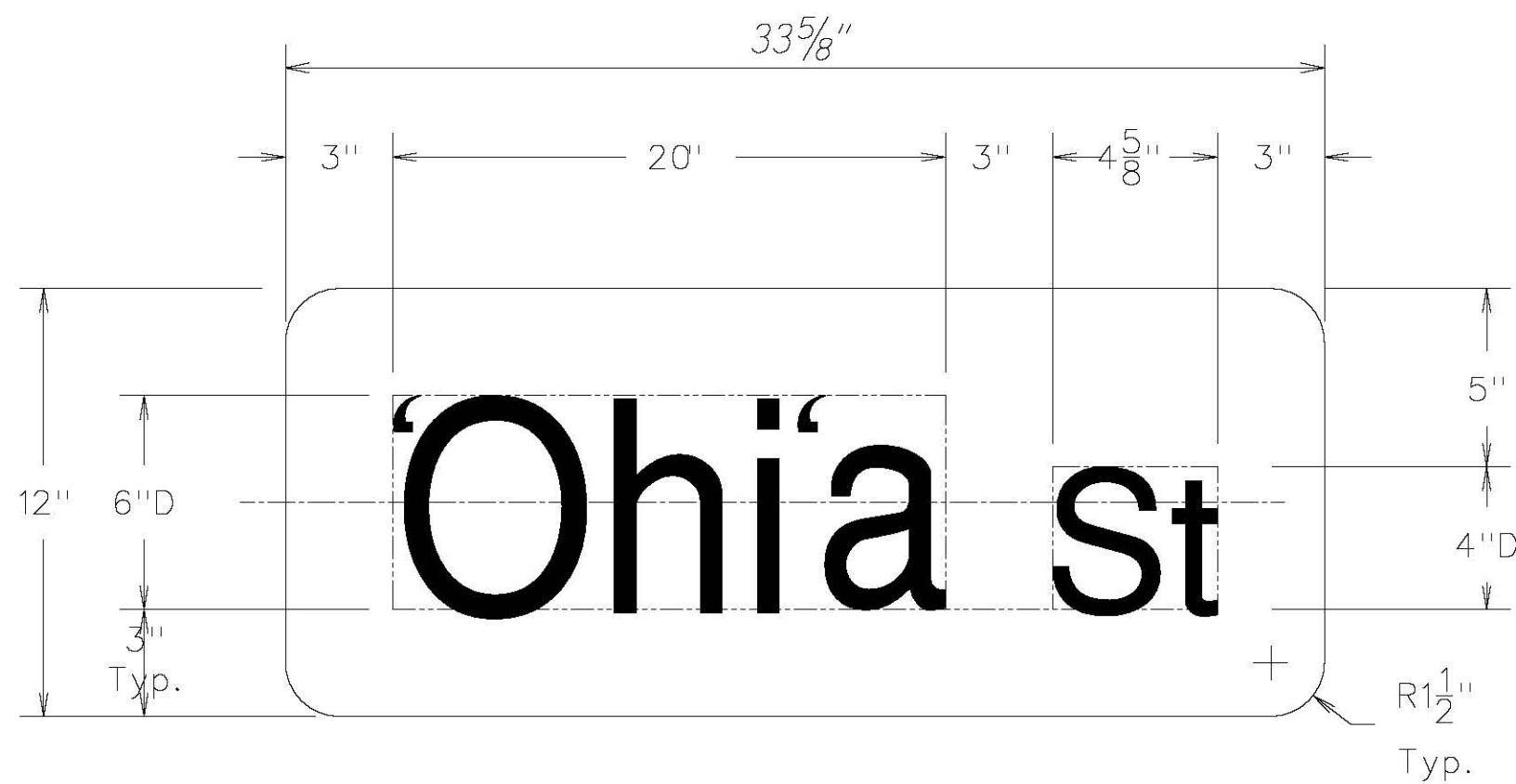
D3-1-1  
Not to Scale



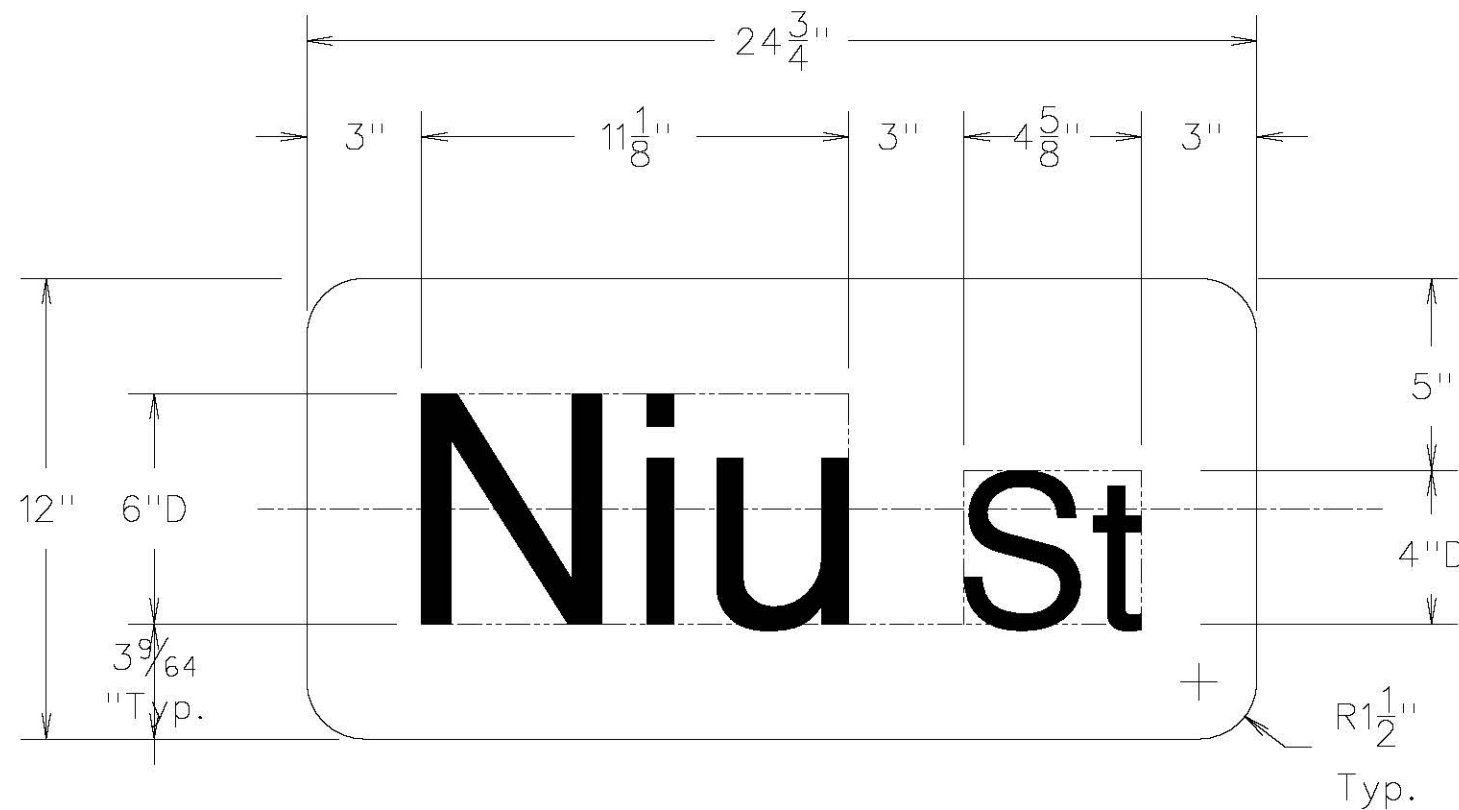
D3-1-5  
Not to Scale



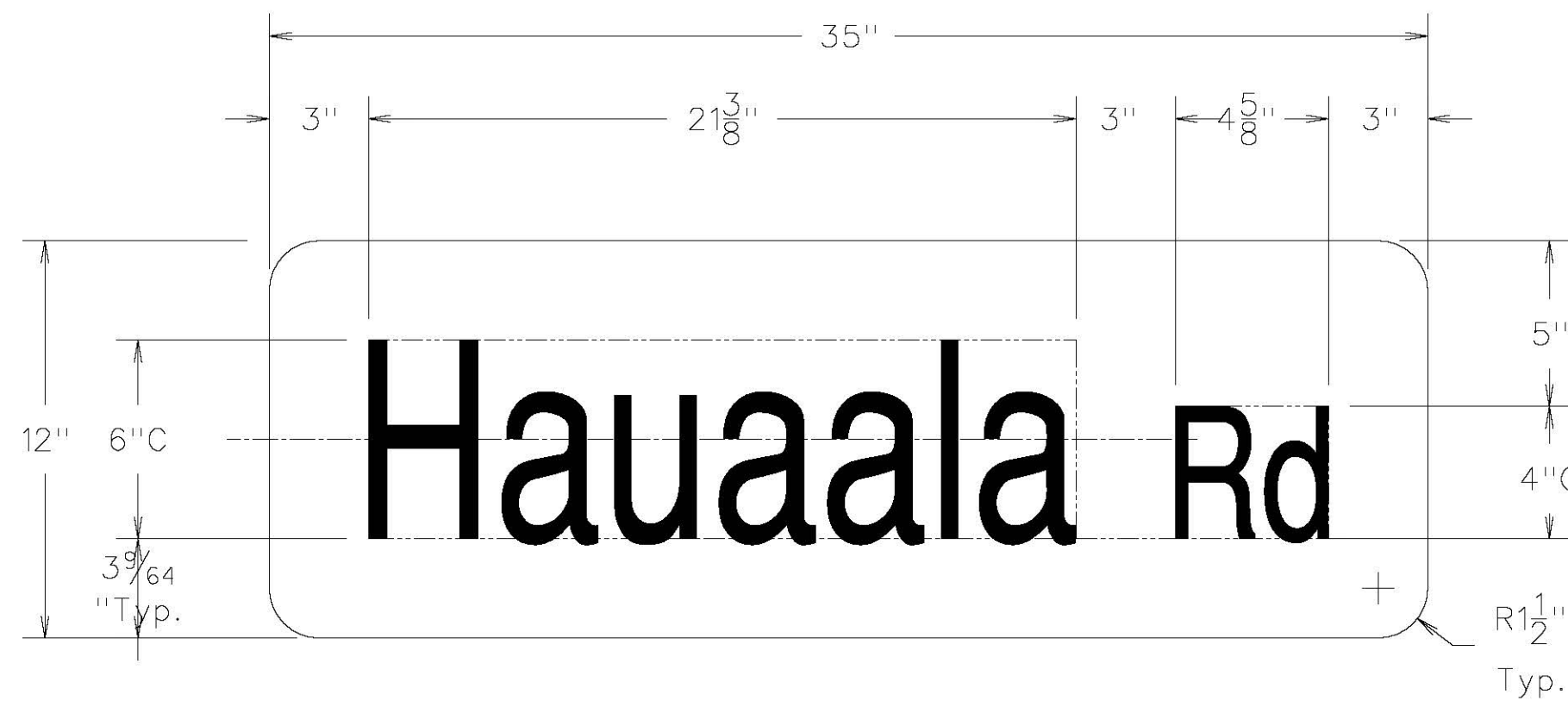
D3-1-8  
Not to Scale



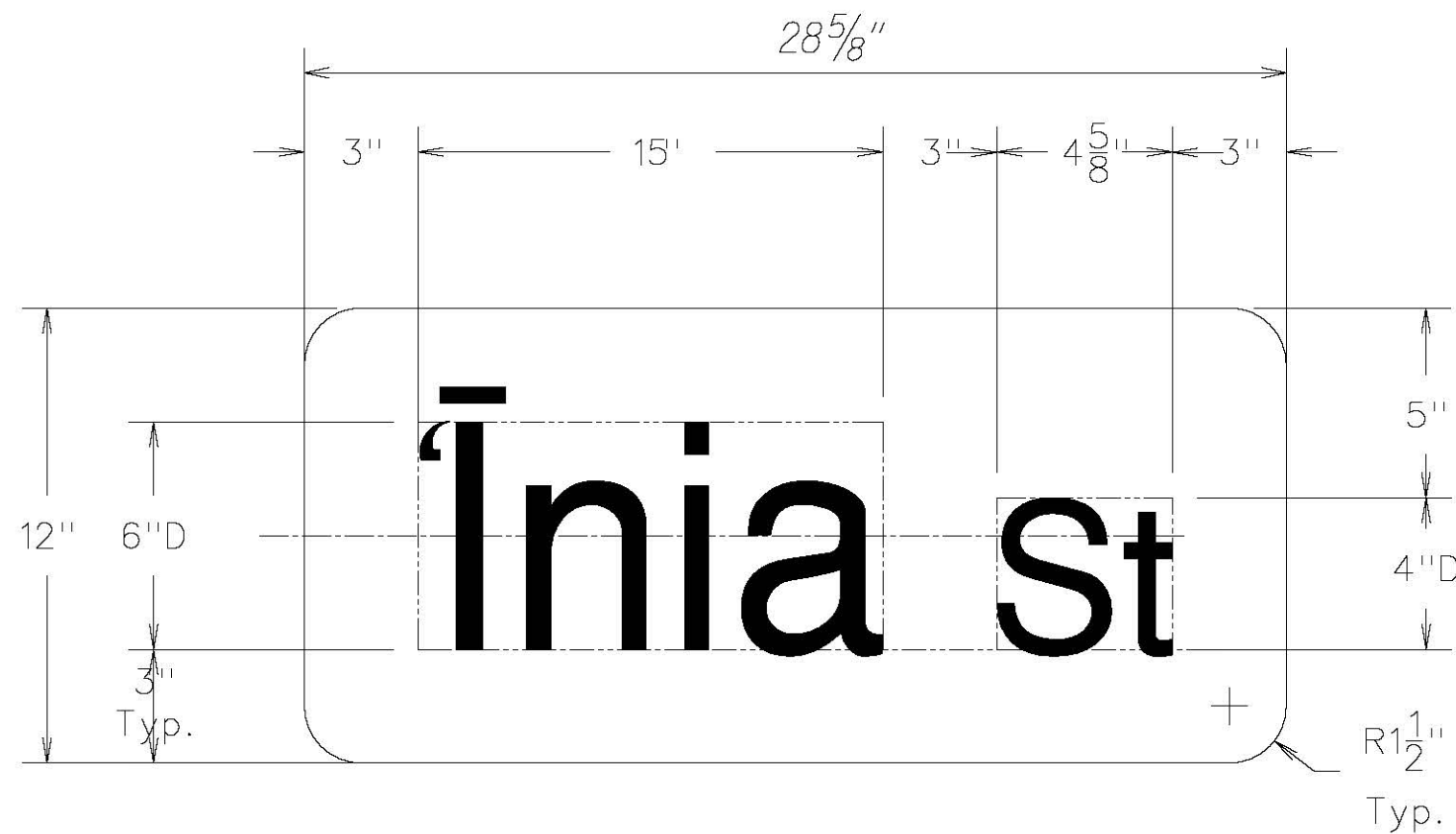
D3-1-2  
Not to Scale



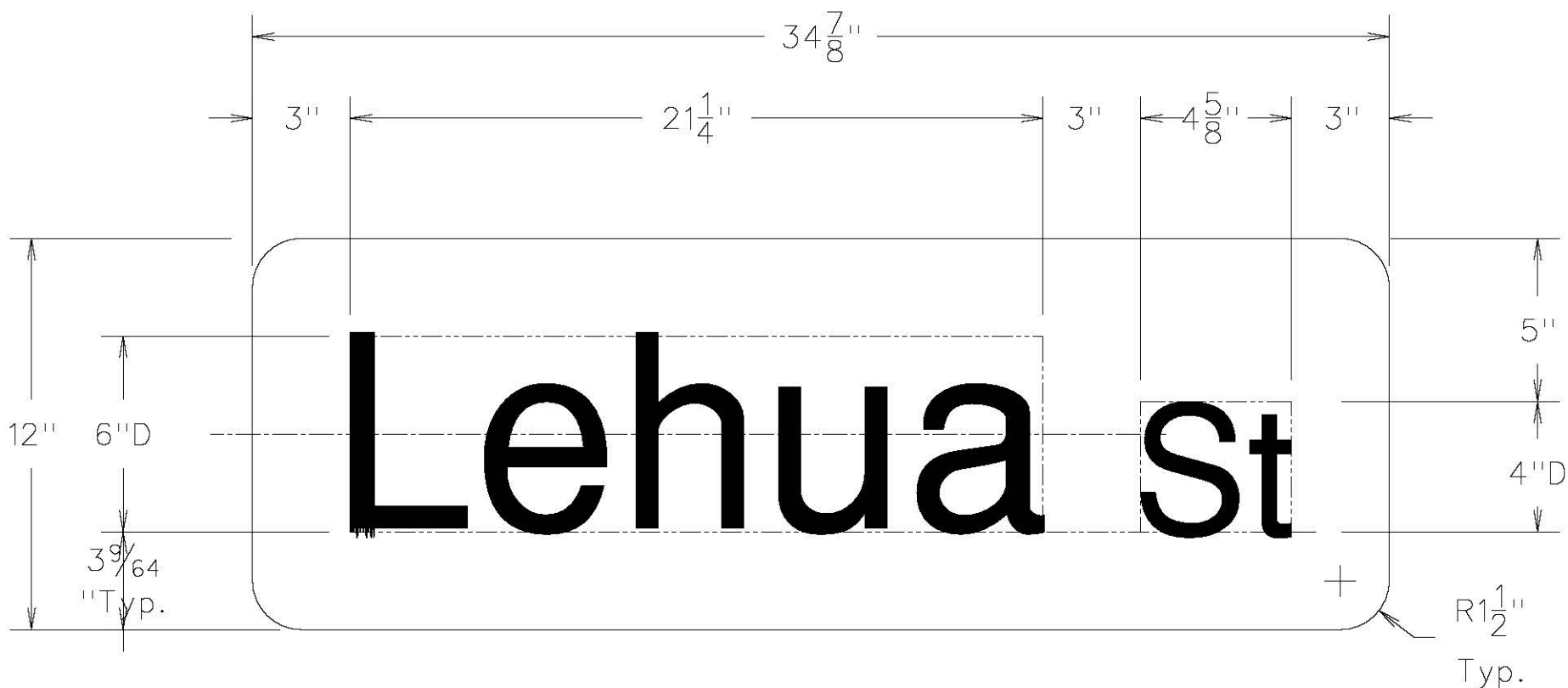
D3-1-6  
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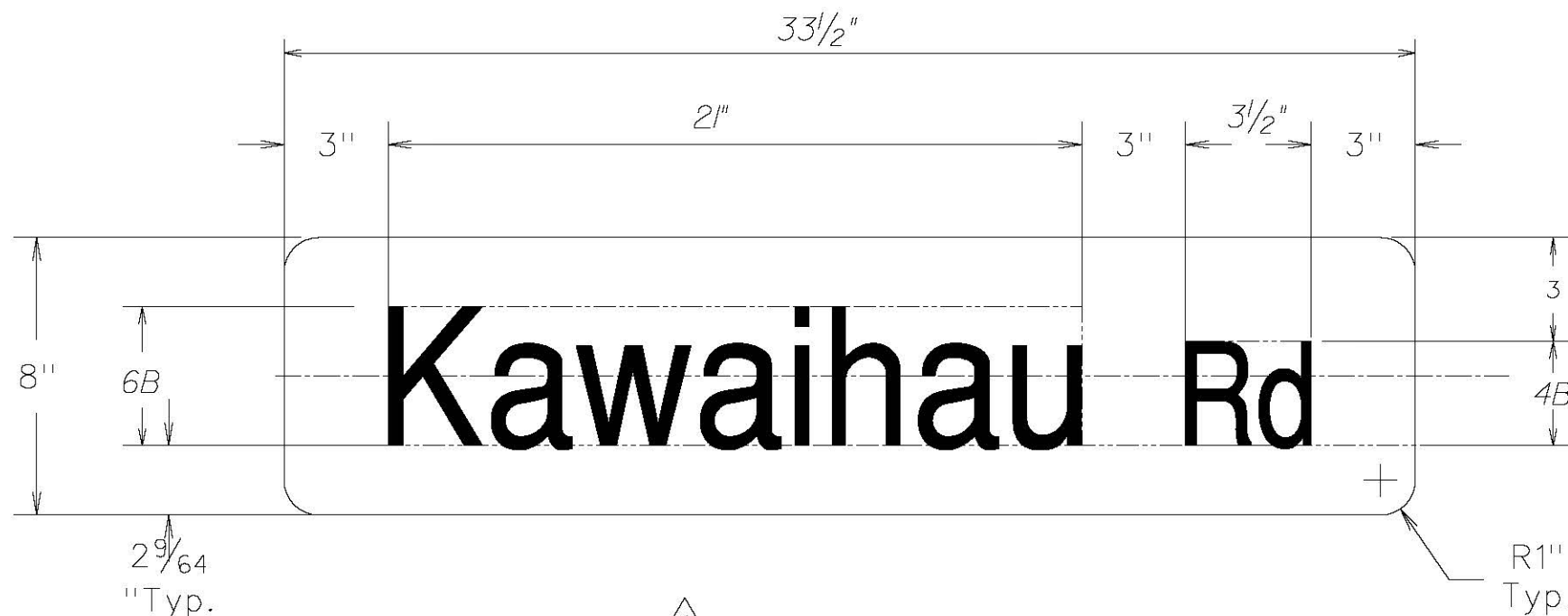
D3-1-9  
Not to Scale



D3-1-4  
Not to Scale



D3-1-7  
Not to Scale



△ D3-1-10  
Not to Scale

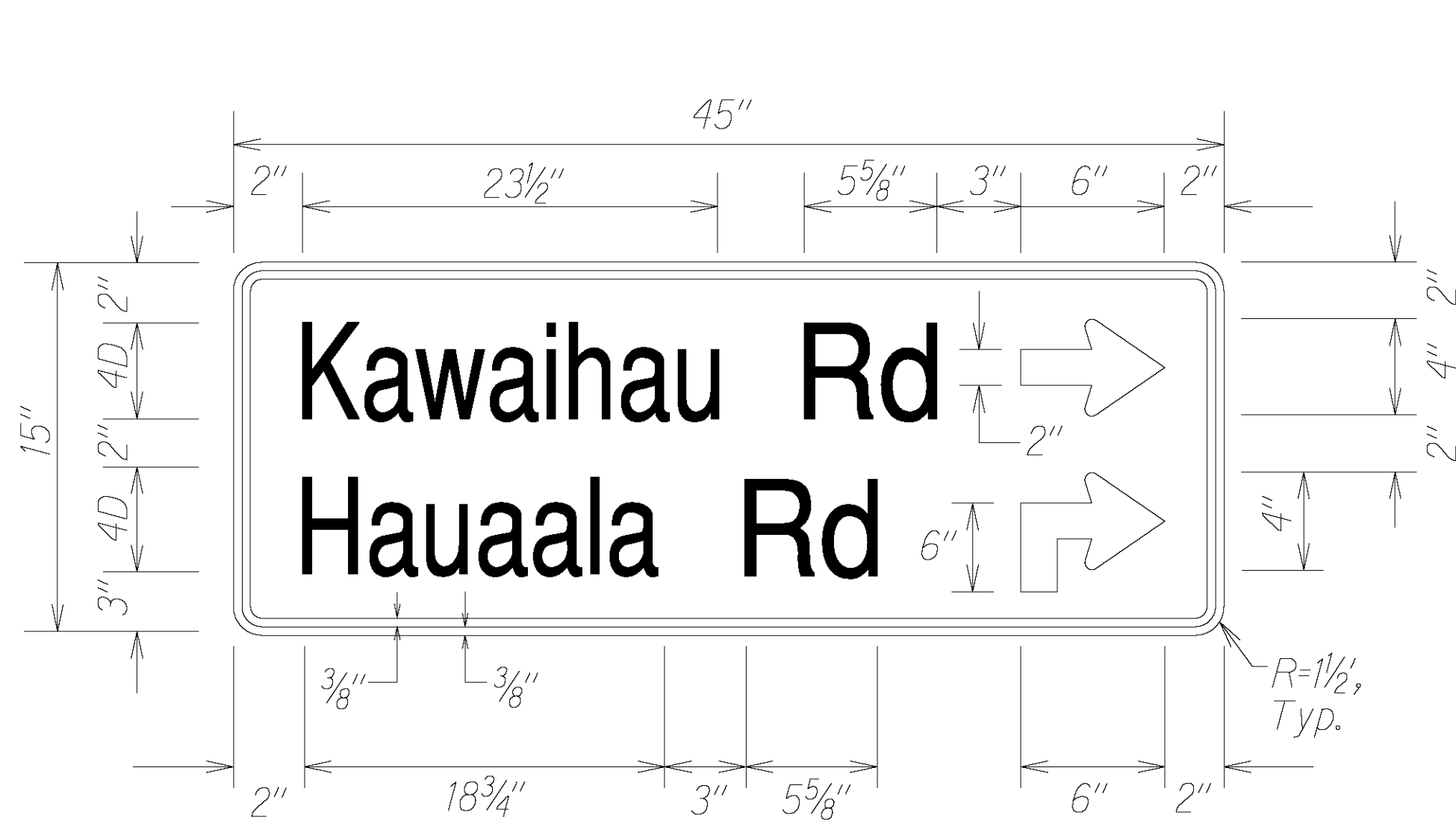
SURVEY PLOTTED BY	DATE
DRAWN BY	X
DESIGNED BY	X
QUANTITIES BY	X
CHECKED BY	X
ORIGINAL PLAN	
NOTE BOOK	
N <sup>o</sup> .	

STREET NAME SIGN  
Not to Scale

Lettering — White  
Background — Green

4/21/23	△ — Revise D3-1-10
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
SIGN DETAIL	
KUHIU HIGHWAY RESURFACING Waikaea Bridge to Mailihuna Road Federal-Aid Project No. NH-056-1(063)	
Scale: As Noted	Date: April 2023
SHEET No. 1 OF 4 SHEETS	

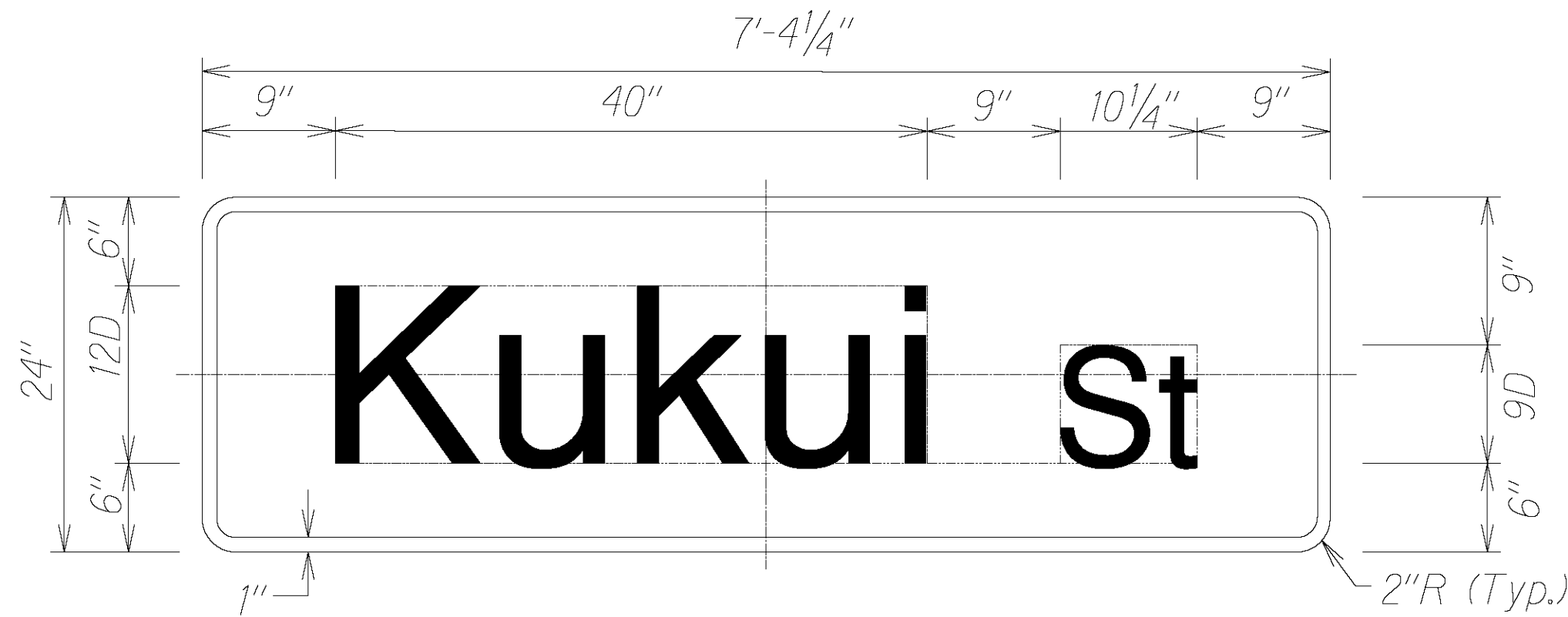
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.35	43



W16-8-1  
Not to Scale

ADVANCE STREET NAME SIGN  
Not to Scale

Border — Black  
Lettering — Black  
Background — Yellow



D3-2-1  
Not to Scale

STREET NAME SIGN ON TRAFFIC SIGNAL MAST ARM  
Not to Scale

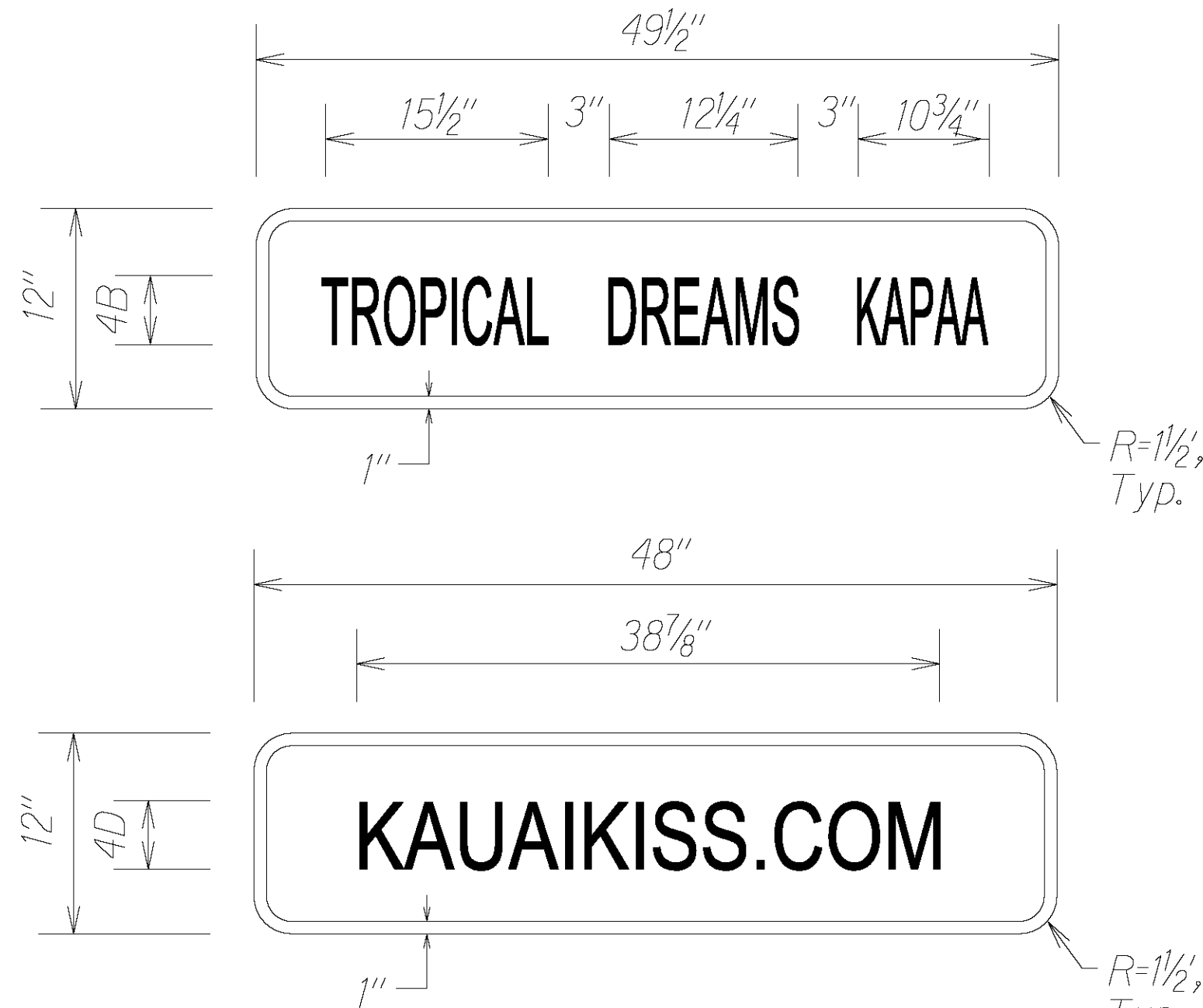
Lettering — White  
Background — Green  
Border — White

Advance Street Name and Acknowledge sign shall be paid under Item No. 631.0400 - Supplemental Plaque and will not be paid separately.



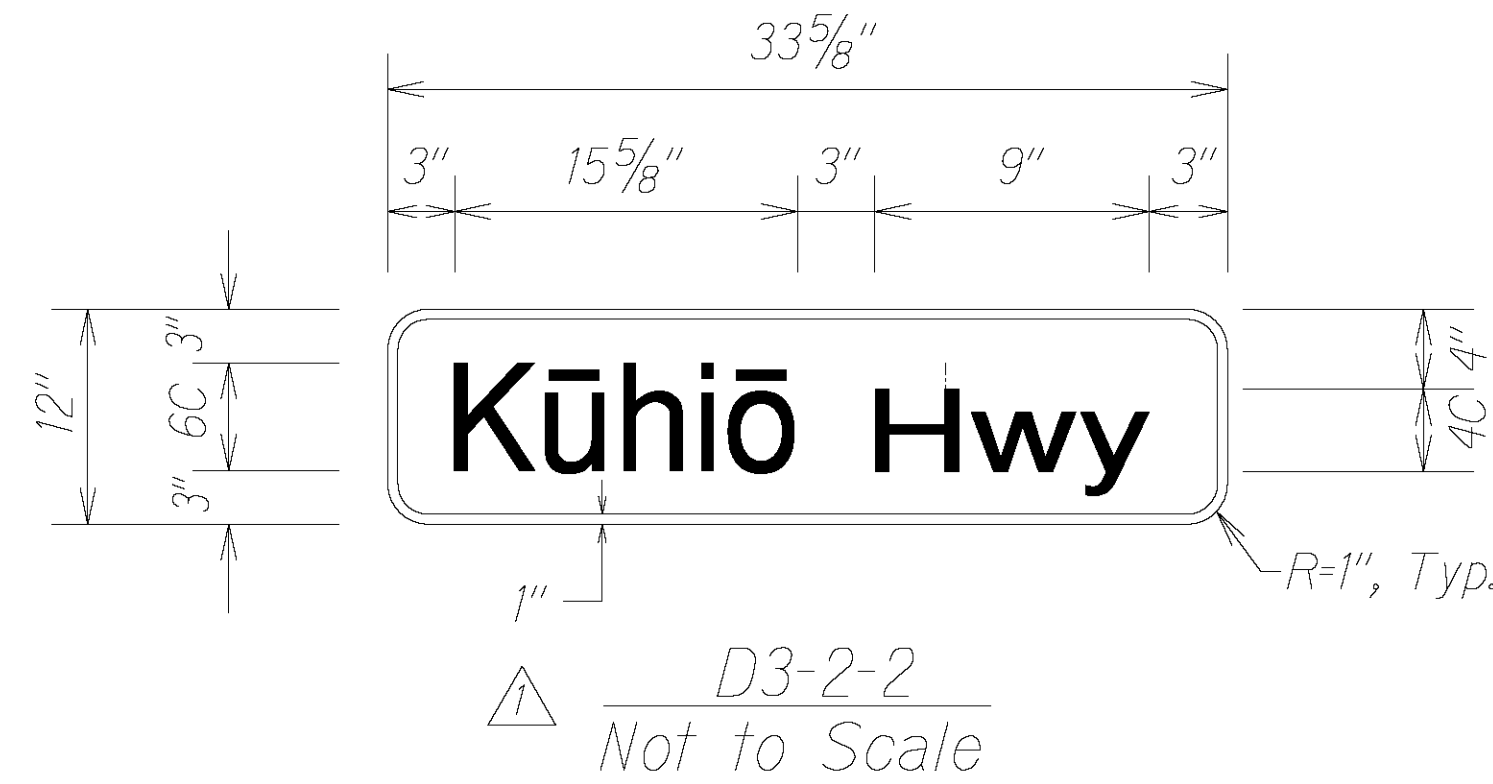
Sign Support: 2-2" Square Tube

D2-1  
Not to Scale



Flat Panel:  
Legend: Blue (Retroreflective)  
Background: White (Retroreflective)

ACKNOWLEDGEMENT NAME SIGN  
Not to Scale



D3-2-2  
Not to Scale

STREET NAME SIGN ON TRAFFIC SIGNAL POST  
Not to Scale

Lettering — White  
Background — Green



Border — Black  
Lettering — Black  
Background — White

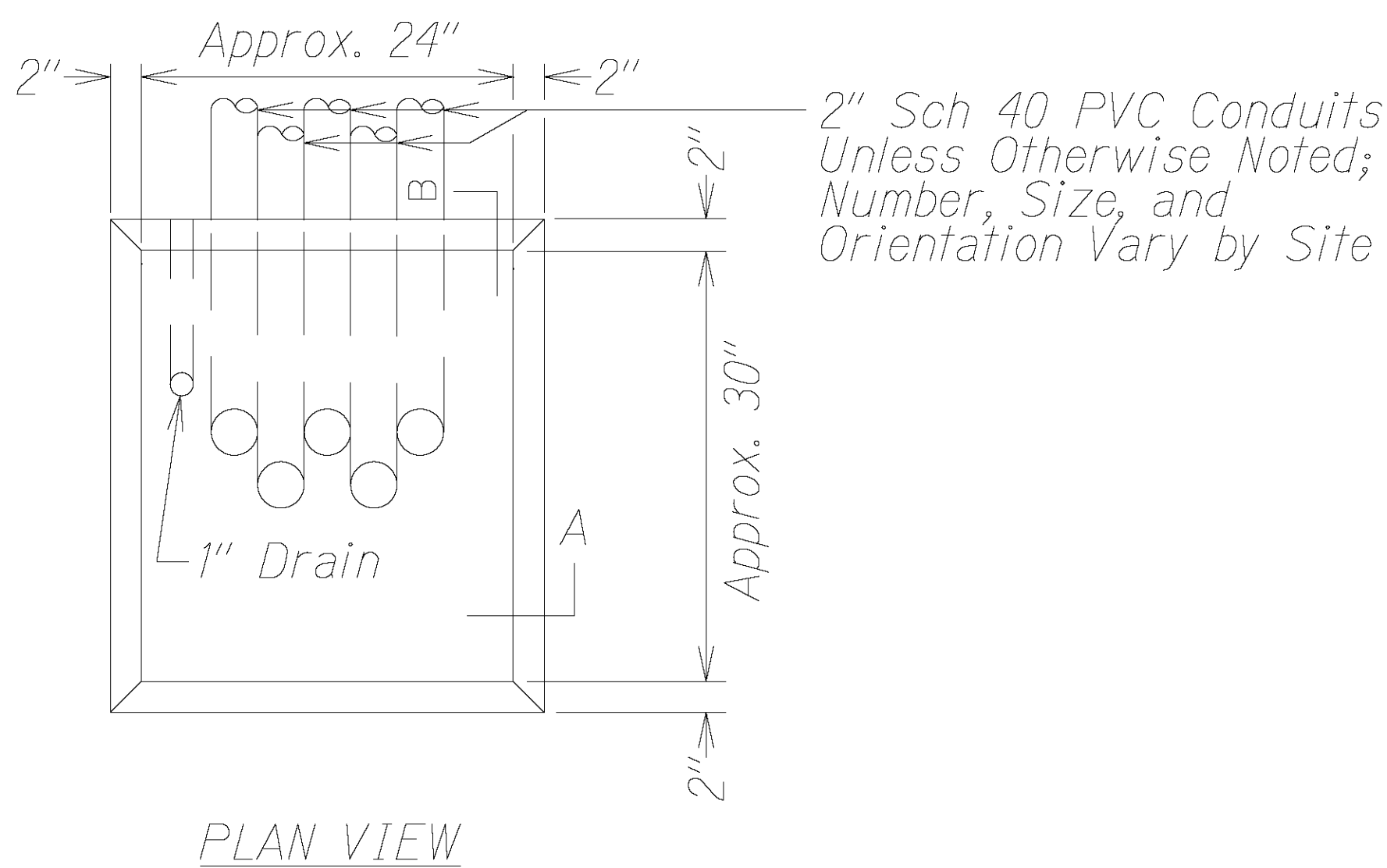
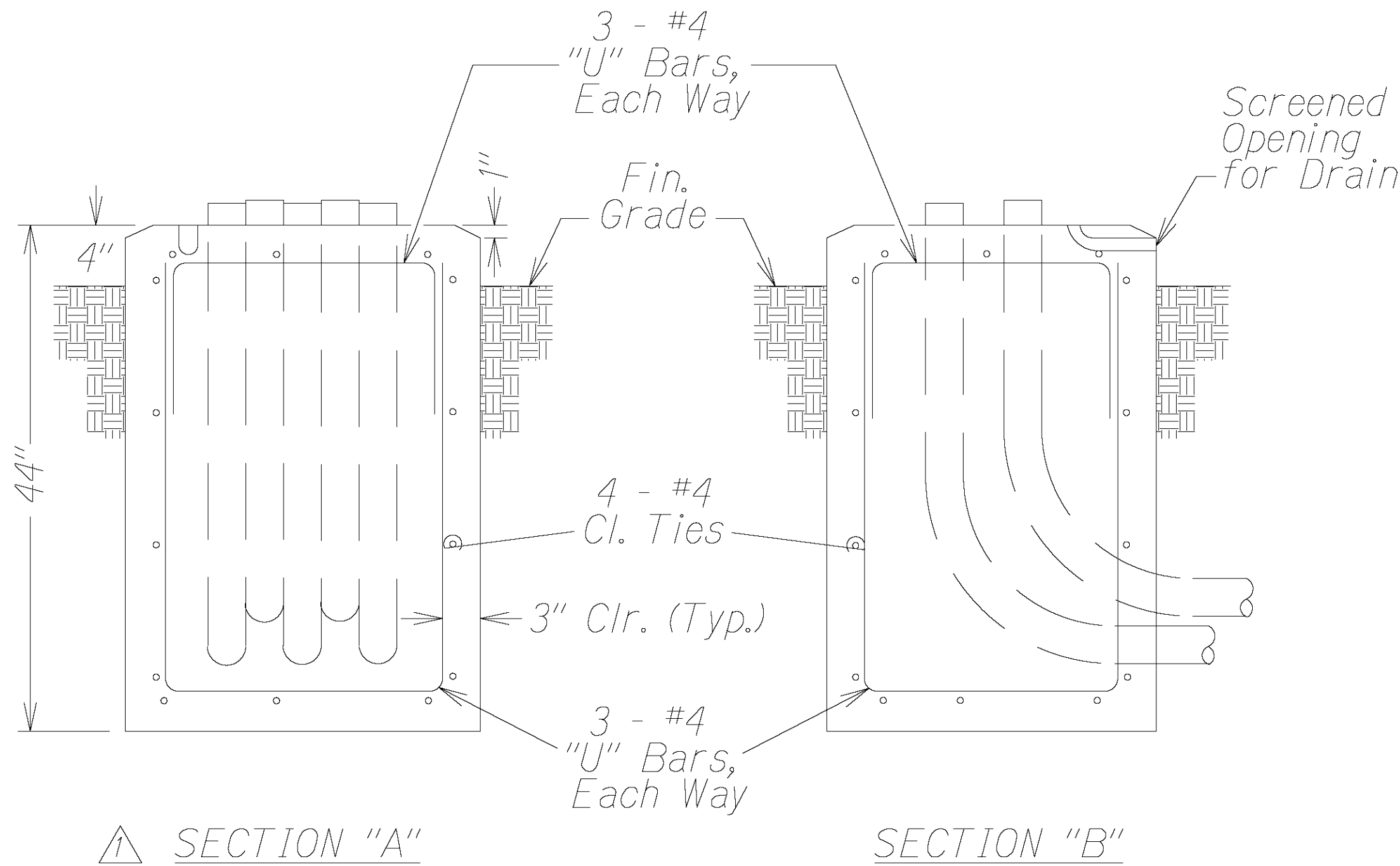
D2-2  
Not to Scale

4/21/23	1 - Revise D3-2-2
4/21/23	1 - Revise D3-2-1
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
SIGN DETAIL	
KUHIO HIGHWAY RESURFACING Waikaea Bridge to Mailihuna Road Federal-Aid Project No. NH-056-1(063)	
Scale: As Noted	Date: April 2023
SHEET No. 2 OF 4 SHEETS	



CONCRETE BASE NOTES:

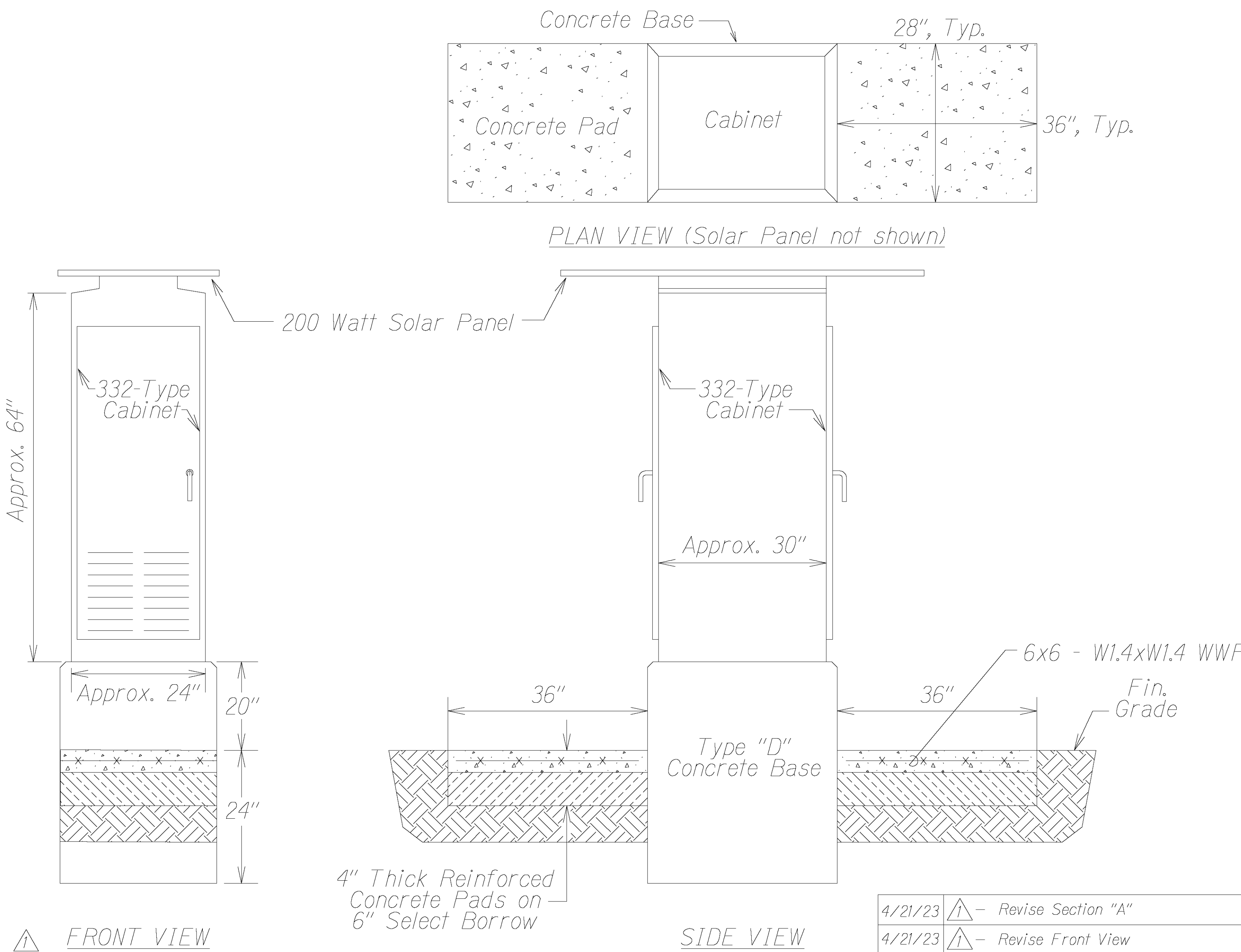
- 1. Concrete shall be Class "B".
- 2. Conduit orientation and details are shown on Layout Plan.
- 3. Conduits shall have belled ends extending no more than 2" above the Base.
- 4. Conduit bends and drain are incidental to the Concrete Base.
- 5. All exposed surfaces of the Concrete Base shall have a Class 2, rubbed finish.



TYPE "D" CONCRETE BASE  
Not to Scale

CABINET NOTES:

- 1. Cabinet shall be oriented so that closed doors are perpendicular to the road.
- 2. Work pads shall be Class "B" concrete and shall allow view of traffic with doors open.
- 3. Conduits shall have belled ends installed on their ends inside the Cabinet.
- 4. With belled ends installed, conduits shall extend no more than 2" above the Base.
- 5. Unused, spare conduits shall be provided with a pull line and be capped or sealed.
- 6. Stainless steel wedge anchors (1/2" X 4-1/2") shall be used to attach Cabinet to Base.
- 7. Grounding and bonding shall be provided that meets or exceeds the latest NEC requirements.
- 8. Solar power shall be connected to the DC power supply for the Cabinet electronics.
- 9. Surge protection and a power interrupt capability shall be provided for the Cabinet.
- 10. Silicone caulking compound shall be used to seal the Cabinet to the Base.
- 11. Key(s) to the Cabinet shall be provided to the State.



332-TYPE CABINET  
Not to Scale

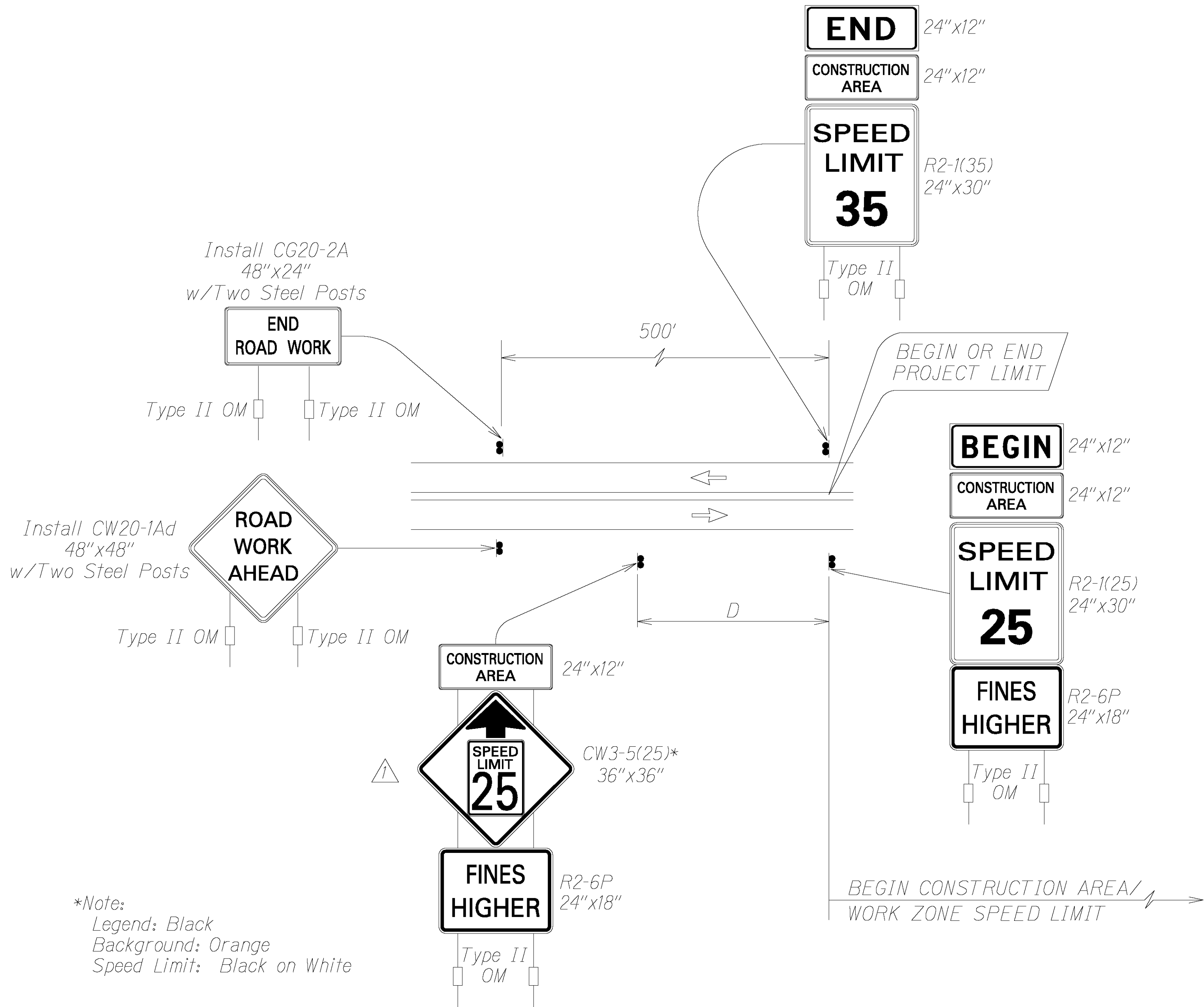
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.41	43

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	DATE
NOTE BOOK	
REVISION	
N.	

4/21/23	1 - Revise Section "A"
4/21/23	1 - Revise Front View
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TRAFFIC COUNTING SYSTEM CABINET AND FOUNDATION KUHIO HIGHWAY RESURFACING Waikaea Bridge to Maillihuna Road Federal-Aid Project No. NH-056-1(063) Scale: As Noted Date: April 2023 SHEET No. 4 OF 5 SHEETS	

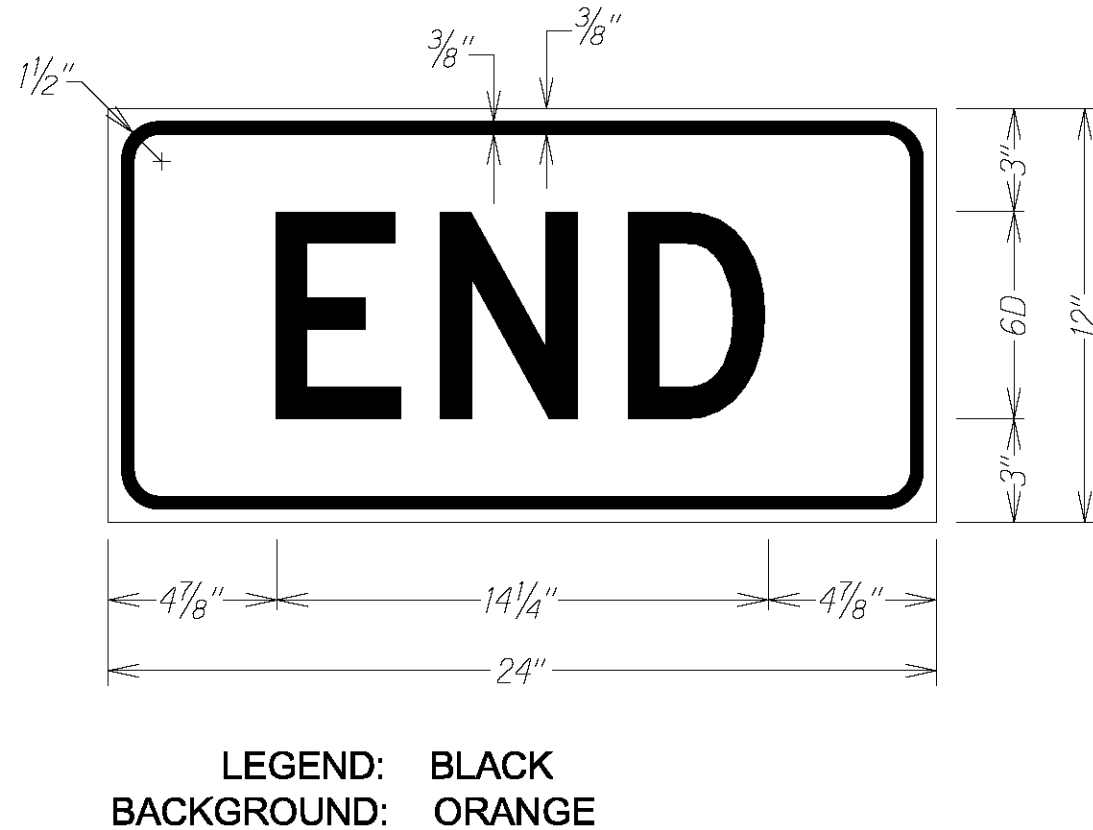
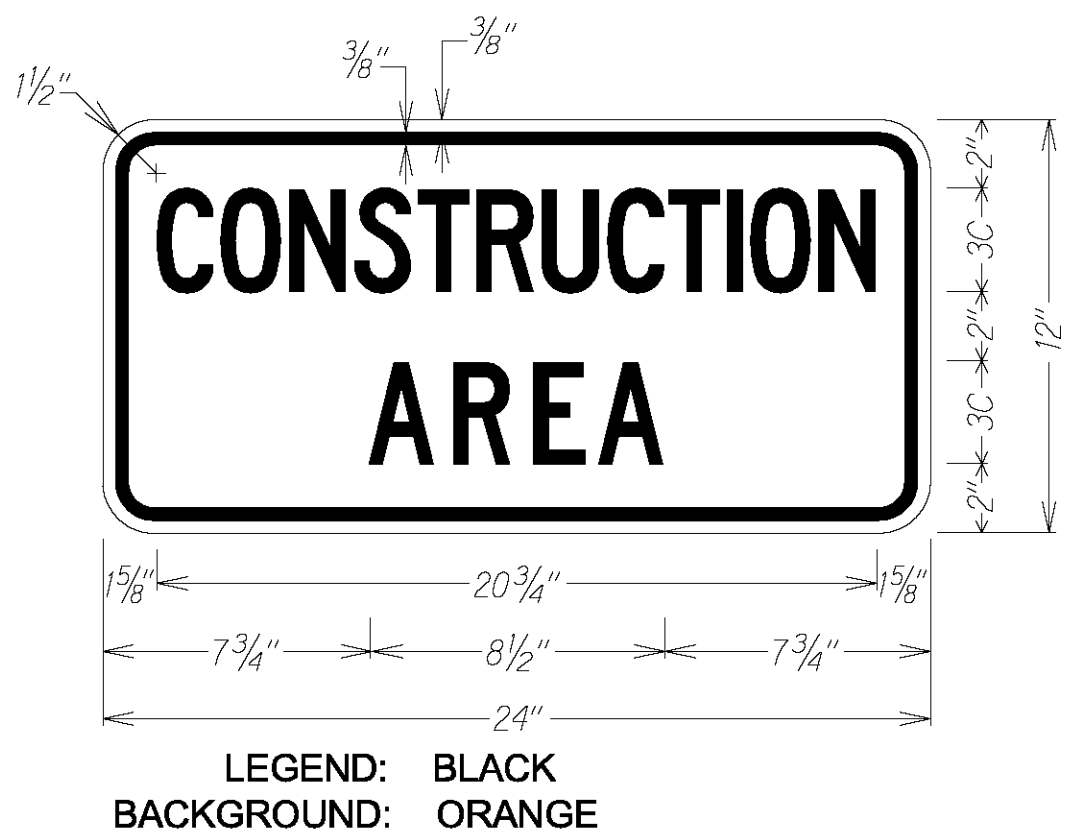
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-056-1(063)	2023	ADD.43	43



Work Zone Notes:

1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
2. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(25) and CW3-5(25) with "CONSTRUCTION AREA" and R2-6P "FINES HIGHER" Supplemental Signs).
3. Construction sign assemblies shall be installed on both the approaching and trailing ends of each work zone as shown on this plan.
4. Each construction warning sign and work zone speed limit assembly shall have a minimum of two (2) Type II OM. Installation of each Type II OM shall be considered incidental to various pay items and shall not be paid for separately.
5. Upon the completion of all physical work or as directed by the Engineer, all construction signs and work zone speed limit assemblies shall be removed. All speed limit signs and posts that were existing at the start of the project within the work zone/project limits shall be restored back to their original locations and configurations. Dates, times, locations and description of work for each sign location shall be provided to the engineer in writing.
6. Placement of construction signs shall not obstruct the path of pedestrians and bicyclists.
7. The removal and restoration of existing regulatory speed limit signs with new posts along with the installation, maintenance and removal of work zone speed limit sign assemblies shall be considered incidental to various pay items and shall not be paid for separately.

TYPICAL DETAIL FOR CONSTRUCTION SIGNS  
ON TWO LANE OR MULTILANE UNDIVIDED LOW SPEED HIGHWAY



4/21/23	△ - Revise Typical Detail for Construction Signs
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>LOW SPEED UNDIVIDED HIHGWAY</b> <b>WORK ZONE SIGNING PLAN, NOTES&amp;DETAILS</b> <b>KUHIO HIGHWAY RESURFACING</b> <b>Waikaea Bridge to Maillihuna Road</b> <b>Federal-Aid Project No. NH-056-1(063)</b> <b>Not To Scale</b> <b>Date: April 2023</b>	
SHEET No. 1 OF 1 SHEETS	