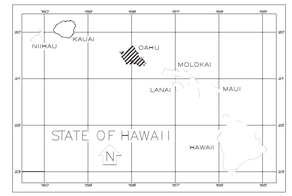
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-1	54

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII

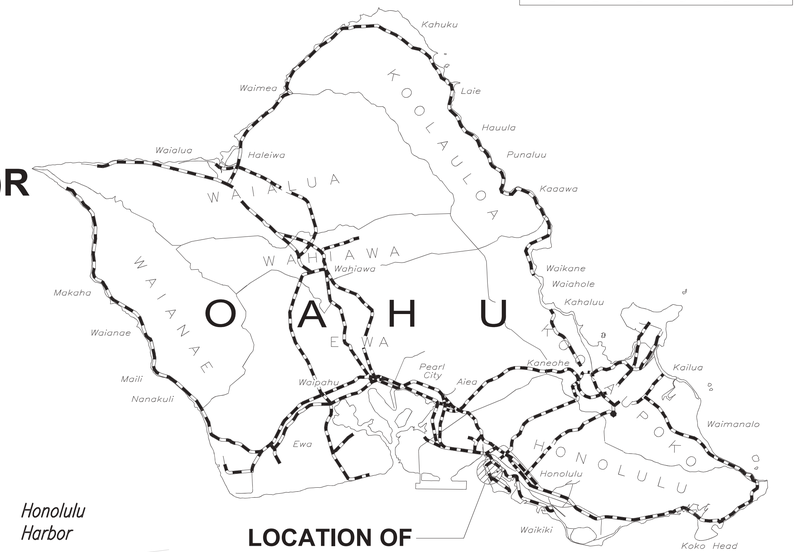
PLANS FOR

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
FEDERAL-AID PROJECT NO. NH-064-1(010)R
DISTRICT OF HONOLULU
ISLAND OF OAHU

64



INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	(G-1) TITLE SHEET
2	(G-2) STANDARD PLANS SUMMARY
3	(G-3) LEGEND AND ABBREVIATIONS
4	(G-4) GENERAL NOTES
5 - 7	(G-5 - G-7) WATER POLLUTION AND EROSION CONTROL NOTES
8	(G-8) TRAFFIC CONTROL & WORK ZONE NOTES
9	(G-9) ISLAND ENERGY SERVICES (IES) NOTES
10	(G-10) PAR HAWAII NOTES
11	(G-11) HFFC PIPELINE NOTES
12	(G-12) EROSION AND SEDIMENT CONTROL PLAN
13	(C-1) EXISTING CONDITION AND SURVEY CONTROL PLAN
14	(C-2) GENERAL SITE PLAN
15-17	(C-3 - C-5) DEMOLITION PLANS
18-20	(C-6 - C-8) GRADING PLANS
21-23	(C-9 - C-11) PAVEMENT PLANS
24-25	(C-12 - C-13) CIVIL SITE PLANS
26-28	(C-14 - C-16) ACCESS ROAD STRIPING PLANS
29-36	(C-17 - C-24) MISCELLANEOUS DETAILS
37-41	(C-25 - C-29) TRAFFIC CONTROL PLANS
42	(C-30) GRADING SECTIONS
43-51	(E-1 - E-9) ELECTRICAL SHEETS
52-54	(S-1 - S-3) STRUCTURAL SHEETS



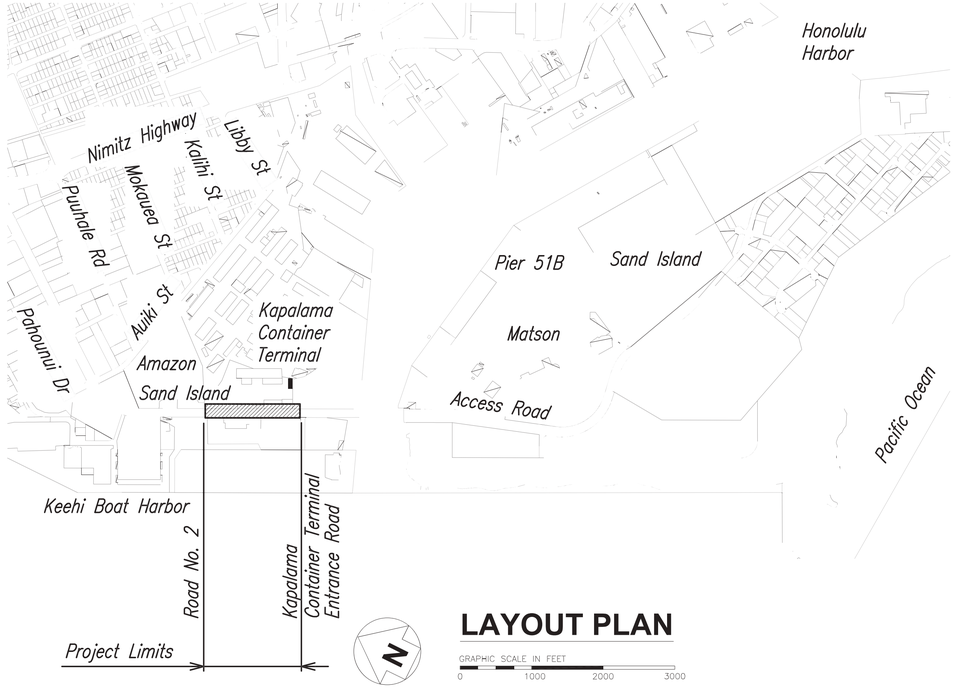
LOCATION OF PROJECT

ISLAND OF OAHU

4 0 4 8
SCALE IN MILES

FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

MILE POST 1.64 TO MILE POST 1.86



LAYOUT PLAN

GRAPHIC SCALE IN FEET
0 1000 2000 3000

AECOM	DESIGNED BY
HWY-DB	MANAGED BY
(808) 692-7575	PHONE
JUNE 2025	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

APPROVED:

Aug 25, 2025

HIGHWAYS ADMINISTRATOR — DATE

STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-2	54

STANDARD PLAN NO.	TITLE	DATE
B-01 ●	NOTES & MISCELLANEOUS DETAILS	05/31/07
B-03	BACKFILL DETAILS AT EARTH RETAINING STRUCTURES	05/31/07
B-12	PRESTRESSED CONCRETE PILES & COMPRESSION SPLICE	05/31/07
	CAN DETAILS	
B-12A	PRESTRESSED CONCRETE PILES, PILE & COMPRESSION	05/31/07
	SPLICE CAN DETAILS & NOTES	
B-12B	PILE INTERACTION DIAGRAM	05/31/07
B-13	PRESTRESSED CONCRETE PILE BUILD-UP DETAILS	05/31/07

D-01	CATTLE GATE	05/31/07
D-02 ●	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 ●	P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS	05/31/07
D-20 ●	P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS	05/31/07
D-21 ●	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	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	LANDSCAPE DETAILS	08/16/06
L-11	PLANTING NOTES	08/16/06
L-12	IRRIGATION DETAILS	08/16/06
L-13	IRRIGATION DETAILS	08/16/06
L-14	IRRIGATION DETAILS	08/16/06
L-15	IRRIGATION DETAILS	08/16/06
L-16	IRRIGATION DETAILS	08/16/06
L-17	IRRIGATION DETAILS	08/16/06
L-18	IRRIGATION DETAILS	08/16/06
L-19	IRRIGATION DETAILS	08/16/06
L-20	IRRIGATION DETAILS	08/16/06
L-21	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

STANDARD PLAN NO.	TITLE	DATE
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	TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES	05/31/07
H-07	CATCH BASIN AND MANHOLE CASTINGS	05/31/07
H-08	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	TYPE 61214P GRATED DROP INLET	05/31/07
H-15	TYPE 1211214, 1211214P, 1211216, 1211216P STEEL	05/31/07
	FRAME AND GRATES	
H-16	TYPE 61614, 61614P, 61616, 61616P STEEL FRAME	05/31/07
	AND GRATES	
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	CEMENT RUBBLE MASONRY STRUCTURES	05/31/07
H-21	CONCRETE AND CEMENT RUBBLE MASONRY STRUCTURES	05/31/07
H-22	INLET/OUTLET STRUCTURE	05/31/07
H-23	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

STANDARD PLAN NO.	TITLE	DATE
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	07/11/08
	GUIDE SIGNS	
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	MISCELLANEOUS SIGN DETAILS	05/31/07
TE-19M	MISCELLANEOUS SIGN FRAME DETAILS	05/31/07
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	SOLID ALUMINUM EXTRUDED SIGN PANEL AND	05/31/07
	ACCESSORY DETAILS	
TE-25	GUIDE SIGNS LUMINAIRE MOUNTINGS	05/31/07
TE-26 ●	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

STANDARD PLAN NO.	TITLE	DATE
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	TYPE II TRAFFIC SIGNAL SYSTEM	08/16/06
TE-33A.1	TYPE II TRAFFIC SIGNAL STANDARD	05/31/07
TE-33A.2	TYPE II TRAFFIC SIGNAL STANDARD	05/31/07
TE-34 ●	LOOP DETECTOR DETAILS	07/11/08
TE-35 ●	LOOP DETECTORS & DUCT DETAILS	07/11/08
TE-36	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 ●	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

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Note:
Standard Plans applicable to this project are indicated by a " ● " next to the Standard Plan No, (For Example: D-07 ●)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-2 OF 54 SHEETS

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

PATH/FILENAME: C:\Users\kevin\OneDrive - ...\02_Standard Plans_Summary.dwg
USER: kevin.wong
PLOT DATE: 7/11/2025 @ 8:45 PM
PLOT DATE: 7/11/2025 @ 12:11 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-3	54

LEGEND

	New AC Pavement
	New PCC Pavement
	New Top Soil With Grassing
—OHE—	Existing Electrical Line
—E—	New Electrical Line
UP	Existing Utility Pole
EMH	Existing Electric Manhole
EMH	Adjusted Elec. MH Frame/Cover
EMH	New Electric Manhole
	Existing Metal Guardrail
	New Metal Guardrail
—D18—	New Drain Line
	Existing Traffic Sign
tp	Existing Telephone Pole
tmh	Existing Telephone Manhole
TMH	Adjusted Tele. MH Frame/Cover
TMH	New Telephone Manhole
—w—8—	Existing Water Line
wmh	Existing Water Manhole
WMH	Adjusted Water MH Frame/Cover
WMH	New Water Manhole
wv	Existing Water Valve Box
WV	Adjusted Water Valve Box
WV	New Water Valve Box
av	Existing Water Air Valve
AV	Adjusted Water Air Valve
AV	New Water Air Valve
wm	Existing Water Meter
WM	Adjusted Water Meter
WM	New Water Meter
fh	Existing Fire Hydrant
UD8	New Underdrain
mon.	Existing Monument
MON.	Adjusted Monument
MON.	New Monument
	Existing Highway Lighting Standard
	New Highway Lighting Standard
w8	Existing 8" Water Line
W8	New 8" Water Line
ø	Diameter
Δ	Delta
Δ/2	Half Delta

ABBREVIATIONS

AC	Asphaltic Concrete
Ah.	Ahead
approx.	approximate
ARV	Air Relief Valve
Bk.	Back
℄	Baseline
BB	Bottom of Bank
BMP	Best Management Practices
BW	Bottom of Wall
C	Length of Chord
CB	Catch Basin
℄	Centerline
Clr.	Clearance
CMU	Concrete Masonry Unit
Conc.	Concrete
Conn.	Connection
C.O.	Cleanout
c.y.	Cubic Yards
DOT	Department of Transportation
Det.	Detail
Dia.	Diameter
Dim.	Dimension
Div.	Diversion
DMH	Storm Drain Manhole
Dwgs.	Drawings
Ea.	Each
Esmt	Easement
ep	Existing Edge of Pavement
EP	New Edge of Pavement
es	Existing Edge of Shoulder
ES	Edge of Shoulder
EL	Elevation
EMB	Embankment
ex.	existing
exist.	existing
Exc.	Excavation
FT	Feet
FUT.	Future
HGL	Hydraulic Grade Line
Hwy.	Highway
Inv.	Invert
lbs.	Pounds
Lc	Length of Curve
LF	Linear Feet
Lt.	Left
Max.	Maximum
Makai	Oceanside
Mauka	Mountainside
ML	Matchline
Min.	Minimum
NB	North Bound
NTS	Not to Scale
No.	Number
O.C.	On Center
O/S	Offset
℄	Existing Property Line
Pavt.	Pavement
PC	Point of Curvature
PCC	Portland Cement Concrete
PI	Point of Intersection
PT	Point of Tangency
R	Radius
RCP	Reinforced Concrete Pipe
Rd.	Road
RPM	Reflective Pavement Marker
Refl.	Reflector
Rt.	Right
r/w	Existing Right-of-Way
R/W	New Right-of-Way
S	Slope
Sht.	Sheet
Shts.	Sheets
SF	Square Feet
Std.	Standard
Sta.	Station
Struct.	Structural
SE	Superelevation
T	Tangent
TB	Top of Bank
Temp.	Temporary
Thk.	Thick
TMK	Tax Map Key
TW	Top of Wall
Typ.	Typical
VC	Vertical Curve
WL	Waterline

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LEGEND AND ABBREVIATIONS

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-3 OF 54 SHEETS

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

LAST UPDATE: 7/17/2025 @ 2:35 PM PLOT DATE: 7/17/2025 @ 8:45 PM
RUN/PLOTNAME: C:\Users\user\Desktop\... #2024\001 Sand Island Weigh Station\PDS_CAD_DESIGN_SHEETS\01_Legend_Abbrev.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-4	54

GENERAL NOTES:

1. The Scope of Work for this project consists of constructing a new truck weigh station along the side of the northbound lane of Sand Island Access Road between the Kapalama Container Terminal Entrance Road and Road No. 2.

2. The Contractor is reminded of the requirements of Subsection 105.16 – Subletting of Contract, which requires him to perform work amounting to not less than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.

3. The Contractor's attention is directed to the following Sections of the Standard Specifications and Special Provisions: Subsection 104.11 – Utilities and Services; Subsection 107.06 – Contractor Duty Regarding Public Convenience; Subsection 107.11 – Safety: Accident Prevention; Subsection 107.12 – Protection of Persons and Property; and Section 645 – Work Zone Traffic Control.

4. At the end of each day's work, the Contractor shall remove all equipment and other obstructions and provide signage to permit free and safe passage of public traffic.

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 make an independent check on the ground by probing and/or checking with the various utility companies and government agencies to verify the exact locations and depths of the existing utilities and obstructions. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations. All damaged portions shall be replaced or repaired in accordance with the standards and specifications of the affected utility company at the Contractor's expense.

6. The Contractor shall notify the Engineer in writing, at least three (3) weeks prior to starting operations.

7. Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain drainage flow. This includes all drainage runoff entering and leaving the project. This work shall be considered incidental to various contract items.

8. The Contractor shall provide for free and safe access to and from all existing side streets at all times.

9. The Contractor shall dispose of all construction debris at a state approved dump site.

10. The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of their operations.

11. After the project is completed, the Contractor shall restore landscaping in the project limits to pre-construction condition or better.

12. All existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans as abandoned. Any damage to the existing utilities shall be repaired and paid for by the Contractor.

13. The Contractor shall coordinate and phase work with construction of the 18" fuel line by Hawaii Fueling Facilities Corporation (HFFC) (Mr. Brian Seabaugh, telephone number: (808) 954-6881). No additional costs shall be considered will be paid for coordination and phasing work. Coordination and phasing costs shall be considered incidental to the various items of work.

14. The Contractor shall coordinate and phase work in the vicinity of the existing fuel lines with Island Energy Services. The contact person for Island Energy Services is Mr. Jonathan Hall, telephone number: (808) 927-6666.

15. Unless relocation is called for on the plans, existing utilities shall remain in service and in place at all times. If relocation of the existing utilities is required for the Contractor's convenience, interruption of service shall be kept to a minimum and shall be done at the Contractor's expense only with the prior written approval of the affected utility company and Engineer.

16. The Contractor shall field verify the operational status of all existing utilities to be removed or abandoned in place. Any discrepancy shall be immediately brought to the attention of the Engineer.

17. The Contractor shall verify all dimensions and details shown on the drawings prior to the start of construction. Any discrepancy shall be immediately brought to the attention of the Engineer.

18. Construction outside of the Hawaii Department of Transportation (HDOT) right-of-way is subject to permission of the affected owner as verified by HDOT.

19. Earth swales shall be graded to drain. This work shall be considered incidental to the various contract items.

20. For structures to be abandoned in place, the top 4 feet below finish grade shall be removed and backfilled with approved material.

21. The Contractor shall notify the Engineer and contact the State Historic Preservation Division upon uncovering any potential historical artifacts or item of archaeological significance. See Section 107.13 in the 2005 State Standard Specifications.

22. The existing improvements on the premises and in adjacent area that are not to be removed shall be preserved and protected. Any and all damages resulting from the Contractor's construction operations shall be replaced and repaired to original condition, to the satisfaction of the owner at no cost to the State.

23. All drainage shall be marked as directed by the Engineer.

24. For Benchmark, see sheet C-1.

25. Azimuths and coordinates are referred to Hawaii State Plane, NAD 83, Zone 3, U.S. Feet. Topographic survey done by Control Point Surveying on March 12, 2025.

26. Elevations shown on these plans are referenced to NGS "State Survey 1-6" (PID TU1370), Brass Disk, Elevation=22.66 Feet, LMSL located on the Northwest side of Bascule Bridge to Sand Island Access Road.

27. Existing survey control markers published by NGS/NOAA and/or belonging to the City and County of Honolulu and the State of Hawaii that may be disturbed or destroyed shall be referenced by or under the direct supervision of a professional land surveyor licensed in the State of Hawaii prior to any construction activity. The Contractor shall notify the Engineer prior to any action and the marker name and type shall be reported to the Engineer. It is the responsibility of the Contractor to obtain the appropriate referencing procedure from the various agencies. Replacement markers shall be installed according to the various agency standards and procedures and copies of field notes, sketches, descriptions, and values of the replaced markers shall be sent to the various agencies for review and approval prior to final acceptance of the project. Payment items shall be considered incidental to the various contract items.

28. All steel plates shall be flat and have a non-skid surface and shall emit no objectionable noise when crossed. The contractor shall safely maintain non-skid surface plate at all times. The work material shall be considered incidental to Traffic Control.

29. The Contractor shall coordinate, if applicable, construction of electrical, telephone, cable television, water, and sewer relocation work with Hawaiian Electric Company, Hawaiian Tel Com, Spectrum Cable, Board of Water Supply, and Department of Environmental Services, respectively. Coordination shall be considered incidental to roadway excavation work.

30. The Contractor shall notify Matson Navigation and Pasha Hawaii a minimum of two weeks prior to the commencement of any lane closures on Sand Island Access Road. The contract person for Matson Navigation is Mr. Kam Chun, telephone number: (808) 265-7465. The contact person for Pasha Hawaii is Mr. Rick Saunders, phone number: (808) 538-2146.

31. The Contractor shall coordinate all training and testing requirements with the HDOT Motor Vehicle Safety Office. The contact person for the HDOT Motor Vehicle Safety Office is Mr. Scott Haneberg, telephone number: (808) 692-7650.

32. All saw cutting work shall be considered incidental to contract items.

33. Where pedestrian walkways exist, they shall be maintained in a safe and passable condition, or other facilities for pedestrians shall be provided. Passages between walkways at intersections shall likewise be provided at all times.

34. The Contractor shall follow the requirements of various permits and Best Management Practices (BMP) during the construction.

35. All necessary construction permits shall be obtained by the Contractor at his own cost.

36. The Contractor shall comply with the directives of the State of Hawaii Occupational Safety and Health Law (HIOSH). Any citation (fine) received by the State for noncompliance by the Contractor shall be deducted from the progress payment.

37. 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 Right-Of-Way Branch at telephone no. 808-692-7332.

38. All temporary traffic control (TTC) elements, including but no limited to, pedestrian and worker safety, and flagger control, shall conform to the latest adopted version of the Manual on Uniform Traffic Control Devices (MUTCD).

39. The Contractor shall immediately repair any damage to the existing sensor loops and new sensor loops.

40. The Contractor shall make immediate adjustments to any disrupted timing cycles relating to the sensor loops, detectors, or signal pullboxes.

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-4 OF 54 SHEETS

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

PW:\PW\DWG C:\Users\user\OneDrive - ...\ROW\001 Sand Island Weigh Station\NH(JD)-064-1(010)R_SHEETS.dgn Layout: Notes.dwg
USR: USER1, 6/10/2025 @ 2:33 PM PLOT DATE: 7/7/2025 @ 8:42 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-5	54

WATER POLLUTION AND EROSION CONTROL NOTES:

A. GENERAL:

1. See Special Provisions Section 209 – Water Pollution and Erosion Control.
Section 209 describes but is not limited to: submittal requirements; scheduling of a water pollution and erosion control conference with the Engineer; construction requirements; method of measurement; and basis of payment. In addition, Appendix A lists potential pollutant sources and corresponding BMPs used to mitigate the pollutants.

2. Follow the guidelines in the current HDOT Construction Best Management Practices Field Manual in developing, installing and maintaining the Best Management Practices (BMP) for the project. For any conflicting requirements between the Manual and applicable bid documents, the applicable bid documents will govern. Should a requirement not be clearly described within the applicable bid documents, the Contractor shall notify the Engineer immediately for interpretation. For the purposes of clarification under Note A.2, "applicable bid documents" include the construction plans, standard specifications, Special Provisions, Permits, and the Storm Water Pollution Prevention Plan (SWPPP) when applicable.

3. Follow the guidelines in the Honolulu's City & County "Rules Relating to Soil Erosion Standards and Guidelines" along with applicable Soil Erosion Guidelines for projects on Maui, Molokai, Kauai, and Hawaii.

4. The Engineer may assess liquidated damages of up to $27,500 for non-compliance of each BMP requirement and each requirement stated in Section 209 and special provisions, for every day of non-compliance. There is no maximum limit on the amount assessed per day.

5. The Engineer will deduct the cost from the progress payment for all citations received by the Department for non-compliance, or the Contractor shall reimburse the State for the full amount of the outstanding cost incurred by the State.

6. If necessary, install a rain gage prior to any field work including the Installation of any site-specific best management practices. The rain gage shall have a tolerance of at least 0.05 inches of rainfall. Install the rain gage on the project site in an area that will not deter rainfall from entering the gage opening. Do not install in a location where rain water may splash into rain gage. The rain gage installation shall be stable and plumbed. Do not begin field work until the rain gage is installed and site-specific best management practices are in-place.

7. Submit Site-Specific BMP Plan to the Engineer along with a completed Site-Specific BMP Review Checklist within 21 calendar days of date of award. The Site-Specific BMP Review Checklist may be obtained from http://www.stormwaterhawaii.com.

B. WASTE DISPOSAL:

1. Waste Materials
Collect and store all waste materials in a securely lidded metal dumpster or roll off container with cover to keep rain out or loss of waste during windy conditions. The dumpster shall meet all local and State solid waste management regulations. Deposit all trash and construction debris from the site in the dumpster. Empty the dumpster weekly or when the container is two-thirds full, whichever is sooner. Do not bury construction waste materials onsite. The Contractor's supervisory personnel shall be instructed regarding the correct procedure for waste disposal. Post notices stating these practices in the office trailer, on a weatherproof bulletin board, or other accessible location acceptable to the Engineer. The Contractor shall be responsible for seeing that these procedures are followed. Submit the Solid Waste Disclosure Form for Construction Sites to the Engineer within 21 calendar days of date of award. Provide a copy of all the disposal receipts from the facility permitted by the Department of Health to receive solid waste to the Engineer monthly. This should also include documentation from any intermediary facility where solid waste is handled or processed.

2. Hazardous Waste
Dispose all hazardous waste materials in the manner specified by local or State regulations and by the manufacturer. The Contractor's site personnel shall be instructed in these practices and shall be responsible for seeing that these practices are followed.

3. Sanitary Waste
Collect all sanitary waste from the portable units a minimum of once per week, or as required. Position sanitary facilities where they are secure and will not be tipped over or knocked down.

C. EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:

1. For projects with an NPDES Permit for Construction Activities, inspect at the following intervals. For construction areas discharging to nutrient or sediment impaired waters, inspect all control measures at least once each week and within 24 hours of any rainfall event of 0.25 inches or greater within a 24 hour period. For construction areas discharging to waters not impaired for nutrient or sediments, inspect all control measures weekly. Inspections are only required during the project's normal working hours. The discharge point water classification may be found in the SWPPP.

2. Maintain all erosion and sediment control measures in good working order. If repair is necessary, initiate repair immediately and complete by the close of the next work day if the problem does not require significant repair or replacement, or if the problem can be corrected through routine maintenance. When installation of a new erosion or sediment control or a significant repair is needed, install the new or modified control or complete the repair no later than 7 calendar days from the time of discovery. "Immediately" means the Contractor shall take all reasonable measures to minimize or prevent discharge of pollutants until a permanent solution is installed and made operational. If a problem is identified at a time in the day in which it is too late to initiate repair, initiation of repair shall begin on the following work day.

3. Remove built-up sediment from silt fence when it has reached one-third the height of the fence. Remove sediment from other perimeter sediment control devices when it has reached one-half the height of the device.

4. Inspect silt screen or fence for depth of sediment, tears, to verify that the fabric is securely attached to the fence posts or concrete slab and to verify that the fence posts are firmly in the ground. Inspect and verify the bottom of the silt screen is buried a minimum of 6 inches below the existing ground.

5. Inspect temporary and permanent seeding and planting for bare spots, washouts and healthy growth.

6. Complete and submit to the Engineer a maintenance inspection report within 24 hours after each inspection.

7. Provide a stabilized construction entrance at all points of exit onto paved roads to reduce vehicle tracking of sediments. Include stabilized construction entrance in the Water Pollution, Dust, and Erosion Control submittals. Minimum length should be 50 feet. Minimum width should be 30 feet. Minimum depth should be 12 inches or as recommended by the soils engineer and underlain with geo-textile fabric. If minimum dimensions cannot be met, provide other stabilization techniques that remove sediment prior to exit. Clean the paved street adjacent to the site entrance daily or as required to remove any excess mud, cold-planed materials, dirt or rock tracked from the site. Do not hose down the street without containing or vacuuming wash water. Cover dump trucks hauling material from the construction site with a tarpaulin. Remove sediment tracked onto the street, sidewalk, or other paved area by the end of the day in which the track-out occurs.

8. Include designated Concrete Washout Area(s) in the Water Pollution, Dust, and Erosion Control submittals.

9. Submit the name of a specific individual designated responsible for inspections, maintenance and repair activities and filling out the inspection and maintenance report.

10. Personnel selected for the inspection and maintenance responsibilities shall receive training from the Contractor. They shall be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER POLLUTION AND EROSION CONTROL NOTES

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-5 OF 54 SHEETS

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

PLOT DATE: 7/17/2025 @ 8:42 PM
LAST UPDATE: 6/12/2025 @ 3:33 PM
PATH/FILENAME: C:\Users\user\OneDrive - ADOM.HDOT Shared Drive\Projects\NH-064-1(010)R - SAND ISLAND ACCESS ROAD\Construction Plans\Roadway\G-5.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-6	54

WATER POLLUTION AND EROSION CONTROL NOTES (Cont.):

8. Contain, remove, and dispose slurry generated from saw cutting of pavement in accordance with approved BMP practices. Do not allow discharge into the drainage system or State waters.

9. For projects with an NPDES Permit for Construction Activities, immediately initiate stabilizing exposed soil areas upon completion of earth-disturbing activities for areas where earth-disturbing activities have permanently or temporarily ceased. Earth-disturbing activities have permanently ceased when clearing and excavation within any area of the construction site that will not include permanent structures has been completed. Earth-disturbing activities have temporarily ceased when clearing, grading, and excavation within any area of the site that will not include permanent structures will not resume (i.e., the land will be idle) for a period of 14 or more calendar days, but such activities will resume in the future. For construction areas discharging into waters not impaired for nutrients sediments, complete initial stabilization within 14 calendar days after the temporary or permanent cessation of earth-disturbing activities. For construction areas discharging into nutrient or sediment impaired waters, complete initial stabilization within 7 calendar days after the temporary or permanent cessation of earth-disturbing activities. Classification of water at the discharge point may be found in the SWPPP.

D. GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES:

1. Materials Pollution Prevention Plan

a. Applicable materials or substances listed below are expected to be present onsite during construction. Other materials and substances not listed below shall be added to the inventory.
   - Concrete Cleaning Solvents Detergents
   - Wood Paints (enamel and latex)
   - Masonry Block
   - Metal Studs
   - Herbicides and Pesticides
   - Tar Curing Compounds
   - Fertilizers
   - Adhesives
   - Petroleum Based Products

b. Use Material Management Practices to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff. Make an effort to store only enough product as is required to do the job.

c. Store all materials stored onsite in a neat, orderly manner in their appropriate containers and if possible under a roof or other enclosure.

d. Keep products in their original containers with the original manufacturer's label.

e. Do not mix substances with one another unless recommended by the manufacturer.

f. Whenever possible, use a product up completely before disposing of the container.

g. Follow manufacturer's recommendations for proper use and disposal.

h. Conduct a daily inspection to ensure proper use and disposal of materials onsite.

2. Hazardous Material Pollution Prevention Plan

a. Keep products in original containers unless they are not resealable. Retain original labels and Safety Data Sheets (SDS), formerly Material Safety Data Sheets (MSDS).

b. Dispose of surplus products according to manufacturers' instructions and local and State regulations.

3. Onsite and Offsite Product Specific Plan

The following product specific practices shall be followed onsite:

a. Petroleum Based Products:
Monitor all onsite vehicles for leaks and perform regular preventive maintenance to reduce the chance of leakage. Store petroleum products in tightly sealed containers which are clearly labeled. Apply asphalt substances used onsite according to the manufacturer's recommendation.

b. Fertilizers:
Apply fertilizers used only in the minimum amounts recommended by the manufacturer and federal, state, and local requirements. Avoid applying just before a heavy rain event. Apply at the appropriate time of year for the location, and preferably timed to coincide as closely as possible to the period of maximum vegetation uptake and growth. Once applied, work fertilizer into the soil to limit exposure to storm water. Do not apply to storm conveyance channels with flowing water. Storage shall be in a covered shed or in an area where fertilizer will not come into contact with precipitation or stormwater. Transfer the contents of any partially used bags of fertilizer to a sealable plastic bin to avoid spills.

c. Paints: Seal and store all containers when not required for use. Do not discharge excess paint to the drainage system, sanitary sewer system, or State waters. Dispose properly according to manufacturers' instructions and State and local regulations.

d. Concrete Trucks: Washout or discharge concrete truck drum wash water only at a designated site as far as practicable from storm drain inlets or State waters. Do not discharge water in the drainage system or State waters. Disposal by percolation is prohibited. Clean disposal site as required or as requested by the Engineer.

4. Spill Control Plan

a. Post a spill prevention plan to include measures to prevent and clean up each spill.

b. The Contractor shall be the spill prevention and cleanup coordinator. Designate at least three site personnel who shall receive spill prevention and cleanup training. These individuals shall each become responsible for a particular phase of prevention and cleanup. Post the names of responsible spill personnel in the material storage area on a weatherproof bulletin board or other accessible location acceptable to the Engineer and in the office trailer onsite.

c. Clearly post manufacturers' recommended methods for spill cleanup. Make site personnel aware of the procedures and the location of the information and cleanup supplies.

d. Keep ample materials and equipment necessary for spill cleanup in the material storage area onsite.

e. Clean up all spills immediately after discovery.

f. Keep the spill area well ventilated. Personnel shall wear appropriate protective clothing to prevent injury from contact with a hazardous substance.

g. Report spills of toxic hazardous material to the appropriate State or local government agency, regardless of the size. Where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period, the Contractor shall notify the Engineer as soon as the Contractor has knowledge of the discharge. The Engineer will notify the National Response Center (NRC) at (800) 424-8802, the Clean Water Branch during regular business hours at 586-4309, and the Hawaii State Hospital Operator at 247-2191 and the Clean Water Branch (DOH-CWB) via email at cleanwaterbranch@doh.hawaii.gov during non-business hours immediately. The Contractor shall also provide to the Engineer, within 7 calendar days of knowledge of the release, a description of the release, the circumstances leading to the release, and the date of the release. The Engineer will provide this information to the DOH-CWB. The Engineer will provide information to the NRC if requested.

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER POLLUTION AND EROSION CONTROL NOTES

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-6 OF 54 SHEETS

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

PLOT DATE: 7/7/2025 @ 8:45 PM
LAST UPDATE: 6/12/2025 @ 2:35 PM
PLOT/FILENAME: C:\Users\user\OneDrive - AECOM\GIT Sand Island Barge Station\WDS_QA-PS\QA-SHEETS\G_ROD_Erosion Control Notes-1.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-7	54

WATER POLLUTION AND EROSION CONTROL NOTES (Cont.):

E. PERMIT REQUIREMENTS:

1. A National Pollutant Discharge Elimination System (NPDES) Permit for Construction Activities of one acre or more of disturbed area is required for this project. If the Contractor requires extra land disturbance, including staging and storage areas, that is not covered by the NPDES Permit obtained by the State, the Contractor shall be responsible for obtaining the required NPDES Construction Activities Permit to cover this additional disturbed area. See Hawaii Administrative Rules Chapter 11-55, Appendix C for definition of land disturbance. The Contractor's attention is directed to the applicable NPDES Permit documents on the bid package compact disc.

2. The calculated land disturbance area for this project based on the construction plans is 0.82 acres not including Contractor Staging and Storage areas. If the total of the disturbed area and the Contractor Staging and Storage area is one acre or greater, the Contractor shall obtain the NPDES Construction Activities Permit using HDOT's latest SWPPP template. See Hawaii Administrative Rules Chapter 11-55, Appendix C for the definition of land disturbance. The Contractor shall be responsible for obtaining the required NPDES Construction Activities Permit and complying with the requirements of HAR 11-55 including, but not limited to:
   a. Deadlines for initiating and completing initial stabilization
   b. Increased inspection frequency and installation of rain gage if applicable
   c. Deadlines to initiate and complete repairs to BMPs
   d. Reporting requirements and corrective action reports

3. Comply with all applicable State and Federal Permit conditions. Permits may include, but not limited to the following:
   a. NPDES Permit for Construction Activities
   b. NPDES Permit for Construction Dewatering
   c. NPDES Permit for Hydrotesting Waters
   d. Water Quality Certification
   e. Stream Channel Alteration Permit
   f. Section 404 Army Corps of Engineer Permit

F. SITE-SPECIFIC BMP REQUIREMENTS:

Each BMP below is referenced to the corresponding section of the current HDOT Construction Best Management Practices Field Manual and appropriate supplemental Sheets. The Manual may be obtained from the HDOT Statewide Stormwater Management Program Website at http://www.stormwaterhawaii.com/resources/contractors-and-consultants/ under Construction Best Management Practices Field Manual. Supplemental BMP sheets are located at http://www.stormwaterhawaii.com/resources/contractors-and-consultants/storm-water-pollution-prevention-plan-swppp/ under Concrete Curing and Irrigation Water.

The requirements for Water Pollution, Dust, and Erosion Control submittals are included in Section 209 of the Hawaii Standard Specifications for Road and Bridge Construction dated 2005 and applicable Special Provisions. A list of pollutant sources and corresponding BMP used to mitigate the pollutants are included in Section 209 of the Special Provisions under Appendix A.

Follow the requirements below:

1. Protect all Drainage Inlets receiving runoff from disturbed areas (SC-1).

2. Contain on-site runoff using Perimeter Sediment Controls
   a. SC-7 Silt Fence or Filter Fabric Fence
   b. SC-2 Vegetated Filter Strips and Buffers
   c. SC-6 Compost Filter Berm/Sock
   d. SC-8 Sandbag Barrier
   e. SC-9 Brush or Rock Filter

3. Control offsite runoff from entering construction area
   a. EC-3 Run-On Diversion
   b. EC-6 Earth Dike, Swales, and Ditches

4. Incorporate applicable Site Management BMP
   a. SM-1 Employee Training
   b. SM-2 Material Storage and Handling
   c. SM-3 Stockpile Management
   d. SM-6 Solid Waste Management
   e. SM-7 Sanitary Waste Management
   f. SM-9 Hazardous Materials and Waste Management
   g. SM-10 Spill Prevention and Control
   h. SM-11 Vehicle and Equipment Cleaning
   i. SM-12 Vehicle and Equipment Maintenance
   j. SM-13 Vehicle and Equipment Refueling
   k. SM-14 Scheduling
   l. SM-15 Location of Potential Sources of Sediment
   m. SM-16 Staging Area
   n. SM-17 Preservation of Existing Vegetation
   o. SM-19 Dust Control

5. Contain pollutants within the Construction Staging/Storage Area BMP with applicable Perimeter Sediment Controls and Site Management BMP. Include a Stabilized Construction Entrance/Exit (SC-11) for all areas which exit onto a paved street. Restrict vehicle access to these points.

6. Manage Concrete Waste including installing a Concrete Washout Area (SM-4) and properly disposing of Concrete Curing Water (California Stormwater BMP Handbook NS-12 Concrete Curing).

7. Remove saw cut slurry and hydrodemolition water from the site by vacuuming. Provide storm drain protection and/or perimeter sediment controls during saw cutting and hydrodemolition work.

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER POLLUTION AND EROSION CONTROL NOTES

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-7 OF 54 SHEETS

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

PLOT DATE: 7/17/2025 @ 9:45 PM
USER: dfoster 6/17/2025 @ 2:29 PM
PW:\FILENAME: C:\Users\dfoster\OneDrive - ADOMUNDT Sons Hawaii Mngt. Assoc\NDOL\Job 2025\25-04\STD\01 JOB\Eros Control Notes-1.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-8	54

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

1. The Permittee shall make minor adjustments at intersections, driveways, structures, etc., to fit field conditions.
2. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
3. Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively towark the work area.
4. Regulatory and warning signs within the construction zone that are in conflict with the traffic control plans shall be removed or covered. All signs shall be restored upon completion of the work.
5. When required by the issuing office, the permittee shall install a flashing arrow signal as shown on the traffic control plans.
6. All traffic lanes shall be a minimum of ten (10) feet wide.
7. All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
8. The backs of all signs used for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).
9. At the end of each day's work or as soon as the work is completed, the permittee shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation.
10. Sign spacing (D), taper lengths (T) and spacing of cones or delineators shall be as shown in Table 645-1, unless otherwise noted on the Traffic Control Plans.
11. Contractor to provde access and/or directional signs to reroute pedestrian traffic.
12. All workers who are exposed to either vehicles using the roadway or to construction equipment shall wear high visibility safety apparel that meets the performance class 3 requirements of "ANSI/ISEA 107-2004". "Workers" is defined as people on foot whose duties place them within the State Right-of-Way, such as but not limited to construction and maintenance forces, equipment operators, survey crew, utility crew, responders to incidents (E.G. EMT and firemen), and law enforcement personnel directing traffic, investigating accidents, handling lane closures and constructed roadways.
13. Flaggers and/or police officers shall be in sight of each other or in direct communications at all times.

Table 645-1 For Traffic Control Plan

Posted Speed Limit (M.P.H.)	Sign Spacing (D) (Feet)	Taper Length (T) (Feet)		Longitudinal Buffer Space (B) (Feet)	Spacing of Cones or Delineators (Feet)		
		W = 12' Or Less	W > 12'		Taper	Tangent	Work Area
35	250	250	W x 20	120	35	35	10

W = Width of Lane, Shoulder, or Offset

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. See sheet C-24 to C-28 for Work Zone Signing and temporary traffic control measures.
2. All existing regulatory speed limit signs with post within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(XX) and R2-5b(XX) with "CONSTRUCTION AREA" AND $250 FINE HRS 291C-104 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 shall have a minimum of two (2) Type II OM. Each work zone speed limit assembly shall have a minimum of one (1) Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 645.1000, Traffic Control.
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.
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 Item No. 645.1000, Traffic Control.

TEMPORARY STEEL PLATE BRIDGING NOTES

1. Provide temporary steel plates only when an excavation in or near the roadway needs to be covered for temporary traffic operation or pedestrian use until the excavation can be properly backfilled. Payment for temporary steel plate bridging will be considered incidental to the item being constructed.
2. Ensure that in all cases the top steel plates are skid resistant by providing 1/8 inch high by 1 inch long bead wells approximately 2 inch center to center each way over the entire riding surface. Conform steel plates to be fabricated from ASTM A36 steel (minimum).
3. Temporary steel plates to be used shall be structurally designed by a Structural Engineer licensed in the State of Hawaii to withstand HS20-44 loading with vehicular speeds of 35 miles per hour (minimum).
4. Provide asphalt ramp with a minimum slope of 18 inches of horizontal taper length per 1 inch of plate thickness to cover all edges of the steel plates or embed steel plate flush with existing pavement surface.
5. Steel plate anchorage shall be structurally designed by a Structural Engineer licensed in the State of Hawaii of to withstand HS20-44 loading with vehicular speeds of 35 miles per hour (minimum). Anchorage system will be drilled out when steel plates are removed. Reconstruction of pavement that is damaged by the anchorage system will be considered incidental to the item being constructed.
6. Secure steel plates from lateral movement and vertical vibration (to minimize noise) while in use.
7. The Contractor is responsible for inspection and maintenance of steel plates, shoring, and hot mix asphalt ramps as necessary to ensure safe, continuous operation.
8. Ensure that all steel plates used are without deformation.

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL & WORK ZONE NOTES

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-8 OF 54 SHEETS

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

PATH/FILENAME: C:\Users\user\OneDrive - ADOBAUDIT, Sand Island Rings, Division\0900_DAR_DESIGN_SHEETS\09_Draft Civil Plans, Zone Notes.dwg
LAST UPDATE: 6/12/2025 9:28 PM PLOT DATE: 7/17/2025 9:49:42 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-9	54

GUIDELINES FOR WORK NEAR IES PIPELINES

Island Energy Services (IES) Refinery has one or more petroleum pipelines in an easement that runs through or immediately adjacent to Contractor's proposed project. These pipelines are used for the transmission of petroleum products at high pressure. The pipelines are coated and cathodically protected. They require frequent inspection and maintenance.

It is absolutely necessary that IES be provided access to these buried pipelines at all times, 24 hours a day, seven days a week. Contractor's proposed project must adhere to the following guidelines.

1. *If the easement area is fenced or walled in, IES must have a gate key unless the area is attended on a 24-hour basis.*
2. *Storage of material on the easement shall be avoided. This includes parking lots.*
3. *A minimum overhead clearance of 15 feet must be maintained within the easement.*
4. *Heavy landscaping (trees, shrubs, sprinklers, etc.) should be kept off the easement.*
5. *Heavy obstructions should be kept off the easement (e.g., buildings, walls, equipment pads, etc.).*
6. *No top-to-bottom obstructions will be permitted in the easement (e.g., power poles, sewer manholes, sewer clean-outs, bridge abutments, etc.).*
7. *Light obstructions (e.g. grass, paving (asphaltic concrete), curb crossings, etc.) are considered reasonable. Grassed areas must be suitable for all-weather vehicular travel.*
8. *IES's Company representative will stake the pipelines at Contractor's request. Determination of pipeline elevations shall be Contractor's responsibility and at Contractor's expense.*
9. *The pipeline easement access road must be kept open at all times. Authorization to block access roads at any time during your construction period must be obtained from IES.*
10. *Avoid running any sewers, fences, sprinkler lines, pipelines, cables, curbs, etc., within the easement in a parallel orientation to the easement centerline. Crossings are permitted but must be held to a minimum of 45 degrees to easement centerline.*
11. *Sewer and electrical conduit crossings should be kept a minimum of four feet clear below IES's pipelines for the full easement width. If this condition cannot be met, the crossings should be encased in six (6) inches of concrete, with a minimum two (2) feet clear below IES's pipelines.*
12. *Except for Item 11 above, all crossings facilities should be at least 24 inches clear below and around IES's pipelines for the full easement width. Crossings above IES's pipelines are not permitted.*
13. *Removal of fill from the easement should not result in there being less than three feet minimum cover over the lines.*
14. *Trenches across the pipelines shall be limited to a maximum width of five (5) feet unless the lines are supported in a manner accepted in advance by IES.*
15. *All excavations and backfilling operations in IES's easement must be witnessed by an IES Company Representative. Contractor shall provide IES with 48 hours notice prior to beginning work within IES's easement. All backfill material within six (6) inches of our pipeline must be of finely graded dirt or sand to protect the coating.*
16. *All excavations within two (2) feet of our pipelines must be accomplished by hand digging. Work shall be handled in a expeditious manner in order to keep IES's pipelines uncovered for as short a period as possible.*
17. *Fill in IES's easement should be limited to four (4) feet maximum cover over IES's pipelines. IES will stake the pipelines upon request so that Contractor can excavate to determine the depth of the pipelines.*
18. *Regrading of adjacent property should not adversely affect drainage of the easement area or pose a hazard to the easement such as landslides or erosion.*
19. *The slope must be kept reasonably level across the easement. Maximum should be five to one (5:1) to provide for backhoe operation.*
20. *All costs pertaining to damage of IES's pipelines, their coatings, or the cathodic protection devices, or damage of property and injury to persons caused directly or indirectly by this work, will be to Contractor's account. Any repair work on the lines resulting from Contractor's project shall be performed by IES and billed to Contractor.*
21. *For pipeline emergencies call IES Downstream, LLC at telephone number (808) 682-4711 or the Pipeline One Call General line at (808) 594-2444.*

PLOT DATE: 7/17/2025 @ 2:29 PM
LAST UPDATE: 6/13/2025 @ 2:29 PM
PATH/FILENAME: C:\Users\kodama\Desktop\...\ADDENDUM Sand Island Barge Access\ROD_DAI-0512C-SHEETS\G_SandEnergySvc_Notes.dwg

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

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ISLAND ENERGY SERVICES (IES) NOTES

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-9 OF 54 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-10	54

Par Hawaii Refining Construction Notes And Guidelines

1. All work shall be in accordance with "Design and construction guidelines for projects near Par Hawaii refining pipelines and fuel storage facilities". These guidelines can be obtained from:

   Wilson P. Rivera, Pipeline/Mooring Analyst
   wriv@islandenergyservices.com
   IES Downstream, LLC

2. Par Hawaii refining will be provided access to the pipelines and facilities at all times, twenty-four (24) hours a day, seven (7) days a week. If the easement area is to be fenced or walled in, Par Hawaii refining will be provided with a gate key unless the area is attended on a twenty-four (24) hour basis.

3. Storage of material or equipment on the easement should be avoided. This includes parking lots for long term storage or materials and vehicles.

4. A minimum overhead clearance of fifteen (15) feet must be maintained within the easement.

5. Extensive landscaping (trees, shrubs, sprinklers, etc.) should be kept off of the easement.

6. Large structures and obstructions (buildings, walls, equipment pads, etc.) should be kept off of the easement.

7. Top to bottom obstructions (power poles, sewer manholes, sewer cleanouts bridge abutments, etc.) will not be permitted on the easement.

8. Light landscaping and structures (grass, paving, curb crossings, etc.) are considered reasonable. Grassed areas must be suitable for all weather vehicular traffic.

9. A Par Hawaii refining representative will stake the pipelines at Contractor's request. The Par Hawaii inspector shall be notified at least five (5) working days prior to excavations in order that the representative can locate the Par Hawaii pipeline. Note: excavations include grading and grubbing of the project area above the Par Hawaii pipeline or in the vicinity of the Par Hawaii surface structures such as valve vaults, valve cages, and control devices. Determination of the pipe elevations and locations shall be the Contractor's responsibility and at the Contractor's expense. All maps and drawings provided by Par Hawaii refining of its pipelines and pipeline facilities are approximations and the Contractor shall be responsible to verify precise location all underground facilities prior to start of construction.

10. The pipeline easement access road must be kept open at all times. Authorization to block access roads at any time during contractor's construction period must be obtained from Par Hawaii refining pipeline operations manager.

11. Avoid installing sewers, fences, sprinkler lines, pipelines, cables, curbs, etc. in the easement in a parallel or near parallel orientation to the easement centerline. Crossings are permitted but must be held to a minimum of forty five (45) degrees to easement centerline.

12. Sewer and electrical conduits crossings should be held to a minimum clearance of two feet below Par Hawaii refining pipelines for the full easement width. If this condition cannot be met, the crossings should be encased in six (6) inches of concrete.

13. Except for Item 12 above, all crossings should be at least twenty four (24) inches clear below pipelines for the full easement width. Crossings above the pipelines are generally not accepted.

14. Removal of fill from the easement shall be limited to not less than 3 feet minimum cover over the lines. If residential or business buildings are withing fifty (50) feet of the pipeline, four (4) feet of cover is required.

15. Trenches across the pipelines shall be limited to a maximum width of ten (10) feet unless the lines are supported in a manner acceptable to Par Hawaii refining.

16. If the pipeline is to be exposed during construction, adequate protection and support shall be provided during construction activities and after hours to prevent damage to or destruction of the fuel pipeline.

17. All excavation and backfilling operations within 15 feet of the pipeline in Par Hawaii refining easement must be witnessed by a Par Hawaii representative. All backfill with twelve (12) inches of pipelines shall be finely sifted man made sand (Grade C-33). All excavation within 3 feet of pipelines must be accomplished by hand digging. Work shall be handled in an expeditious manner in order to keep pipelines uncovered as briefly as possible.

18. Grading of abutting property should not adversely affect drainage of the easement area or pose a hazard to the easement such as slides or erosion.

19. The slope of the final grade must be kept reasonably level across the easement. Maximum should be 5:1 to provide for backhoe operation and repair vehicles.

20. All crossing metallic facilities with potentials that could interfere with Par Hawaii refining cathodic protection current shall place a neoprene dielectric blanket between the crossing facility and the Par Hawaii refining facility for the full length of the easement. In addition, a cothodic protection survey report shall be submitted and approved by Par Hawaii refining stating the proposed crossing facility will not, in any way, adversely affect Par Hawaii refining facilities.

21. All costs pertaining to damage of the pipelines, their cathodic protection devices, or damage of property and injury to persons caused directly or indirectly by this work, shall be charged to the Contractor. Any repoir work on the pipelines resulting from the Contractor's project shall be performed by the Contractor with authorization or Par Hawaii refining or Par Hawaii refining personnel and billed to the Contractor.

22. The Contractor shall be responsible for traffic conditions over any Par Hawaii refining pipeline facility relating to construction activities. The Contractor shall provide steel plates or non-compacted soil berms in areas of equipment traffic and limit traffic to these access ways.

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAR HAWAII NOTES

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-10 OF 54 SHEETS

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

PLOT DATE: 7/17/2025 @ 9:45 PM
USR (PSET): 6/11/2025 @ 3:40 PM
PRN/FILENAME: C:\Users\rivera\OneDrive - AECOM\007 Task Work Areas\100-240-25\120-SHEETS\1-PAR H Notes.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-11	54

Guidelines For Work Near Hawaii's Fueling Facilities Corporation (HFFC) Pipelines

1. Coordinate with the fuel system operator (Signature Aviation) prior to work within the HFFC buried pipelines (hereafter "the pipelines") easement. Operator phone number is 808-833-3291.
2. HFFC's Representative will stake the pipelines at the Contractor's request, upon notice via One-Call. A One-Call should be submitted at least five working days prior to excavation work to allow time for the pipeline to be located. The Contractor is responsible for verifying pipeline elevations. All maps and drawings provided by HFFC of its pipelines and pipeline facilities are approximations. The Contractor is responsible for field verifying the location of all underground HFFC facilities prior to beginning construction. Any earth movement for field verification requires the excavator to attest that they have obtained appropriate ASME B31Q Operators Qualifications.
3. Provide fuel system operator access to the pipelines at all times (24 hours a day, seven days a week).
4. Pprovide a gate key to the fuel system operator if the easement area is fenced or walled in, unless the area is attended on a 24-hour basis.
5. Storage of material on the easement, including parking lots, is prohibited.
6. Maintain a minimum overhead clearance of 15 feet within the easement.
7. Do not install heavy obstructions (buildings, walls, equipment pads, concrete slabs, etc.) or heavy landscaping (trees, shrubs, sprinklers, etc.) within the easement.
8. Do not install utility structures (power poles, sewer manholes, clean-outs, etc.) within the easement.
9. Light obstructions such as grass, asphalt pavement, curbs, etc. are acceptable within the easement.
10. If access roads to the pipeline easement must be blocked at any time during the Contractor's construction period, obtain authorization from the fuel system operator prior to beginning work.
11. Do not place utilities within the easement parallel, or nearly parallel, to the pipelines. Crossings at greater than 45 degrees to the easement centerline are permitted.
12. Install sanitary sewer and electrical conduit crossings at least 24 inches clear below the HFFC pipelines. If this condition cannot be met, encase the crossings in six inches of concrete for the width of the easement and maintain at least 12 inches clear below the HFFC pipelines.
13. Except for Item 12, above, install all utility crossings at least 24 inches clear below the HFFC pipelines. Crossings above HFFC pipelines are not permitted.
14. Do not remove enough fill from the easement to result in less than three feet of minimum cover over the pipelines in a non-traffic area, or four feet of minimum cover in an area exposed to vehicle traffic.
15. Do not excavate trenches across the pipelines wider than ten feet unless the line is supported in a manner acceptable to the HFFC Representative.
16. Notify fuel system operator prior to any work to be performed within the HFFC pipeline easement.
17. If the pipelines will be exposed during construction, the fuel system operator must inspect the pipelines prior to backfill. Provide adequate protection and support of pipelines during construction activities and after hours to prevent damage to or destruction of the fuel pipelines.
18. All backfill within 12 inches of the pipelines must be ASTM C33 fine aggregate (sand) with a minimum resistivity (ASTM G57) of 10,000 ohm-cm to support the function of the existing cathodic protection system.
19. Hand dig or utilize other soft dig methods for any work within three feet of the pipelines in any direction.
20. Do not grade adjacent areas in a way that would adversely affect drainage of the easement area or pose a hazard to the easement such as slides or erosions. The maximum allowed final grade slope within the easement is 5H:1V.
21. A dielectric mat (neoprene or ultra high molecular weight polyethylene) must be placed between all crossing metallic utilities and the pipelines for the width of the easement. Submit a cathodic protection survey report to the fuel system operator for approval, stating the proposed crossing utility will not, in any way, adversely affect the pipelines.
22. The Contractor is responsible for all costs associated with damage to the pipelines, pipeline coating, associated cathodic protection devices, or damage of property and injury to persons caused directly or indirectly by this work. If the pipelines must be repaired, HFFC's Representative will perform the work and bill the contractor.
23. The Contractor is responsible for traffic conditions over the pipelines or pipeline facilities related to construction activities. Provide steel plates or non-compacted soil berms in areas of equipment traffic and limit traffic to designated access paths.

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

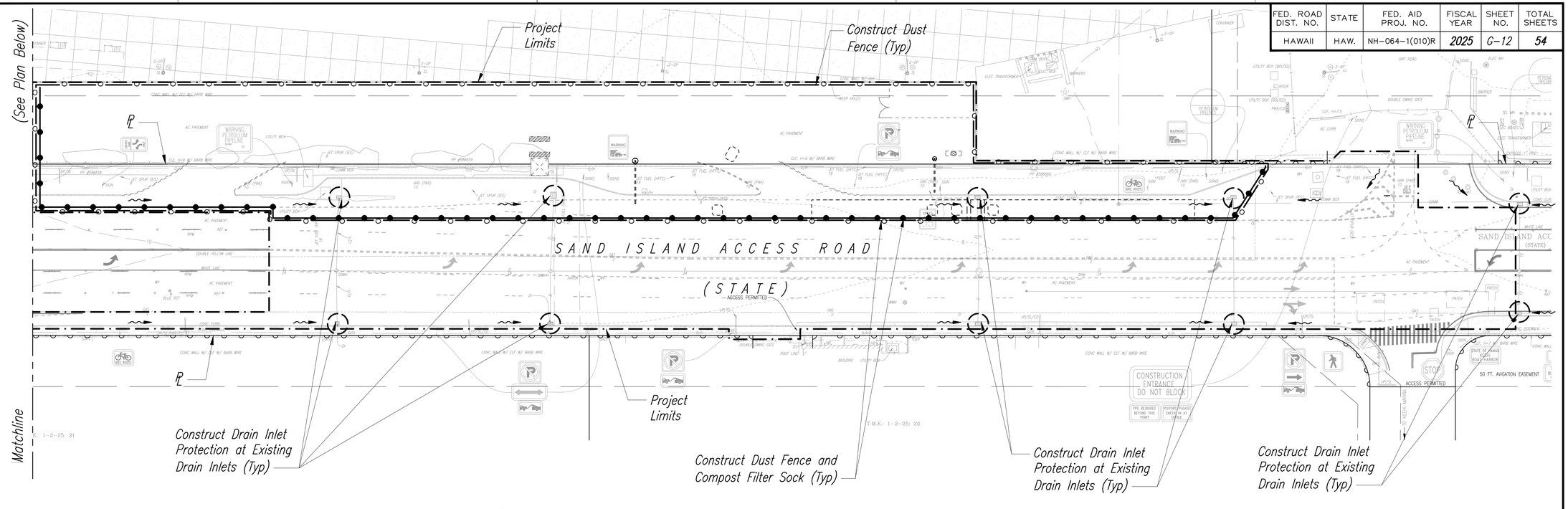
HFFC PIPELINES NOTES

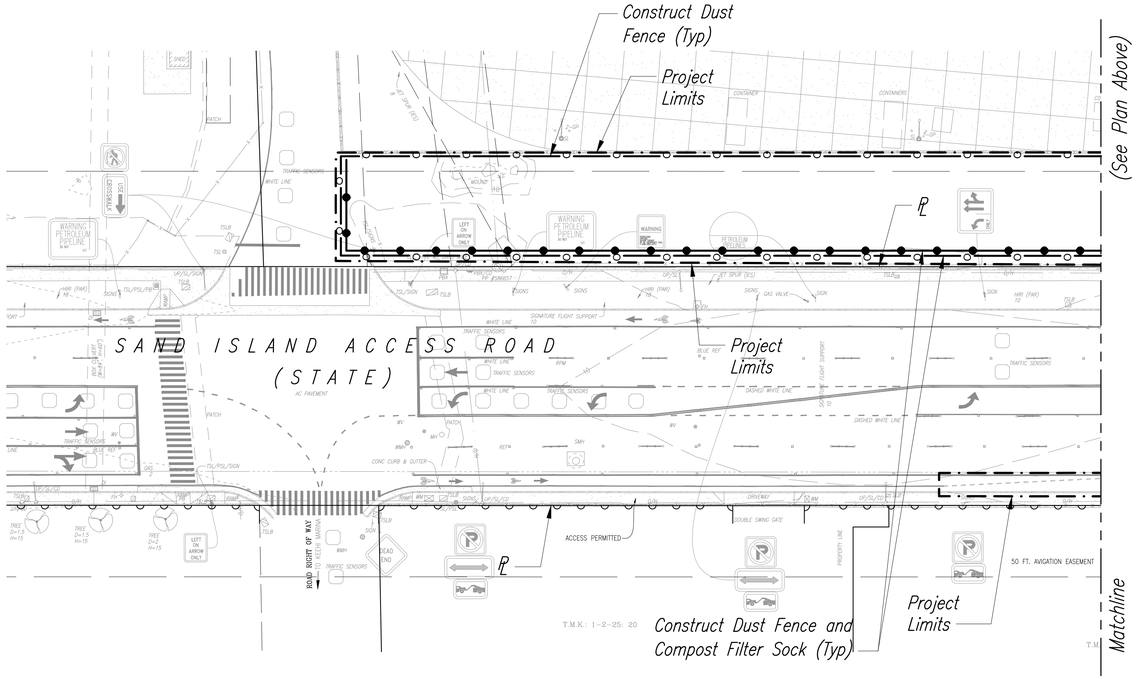
SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. G-11 OF 54 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	G-12	54





EROSION AND SEDIMENT CONTROL PLAN

Scale: 1"=30'

Notes:

1. Sediment and Erosion Control Best Management Practices measures shown in the Contract Documents are minimum Best Management Practices requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional Best Management Practices based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.000, Installation, Maintenance, Monitoring, and Removal of BMP.

2. For Erosion Control Details, See Sheet C-19 Miscellaneous Details - 2.

Legend:

- Dust Fence
- Compost Filter Sock
- Drain Inlet Protection
- Direction of Runoff

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

TRUE NORTH
Scale: 1 in. = 30'

0 30 60 90
Scale: 1" = 30' Feet

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

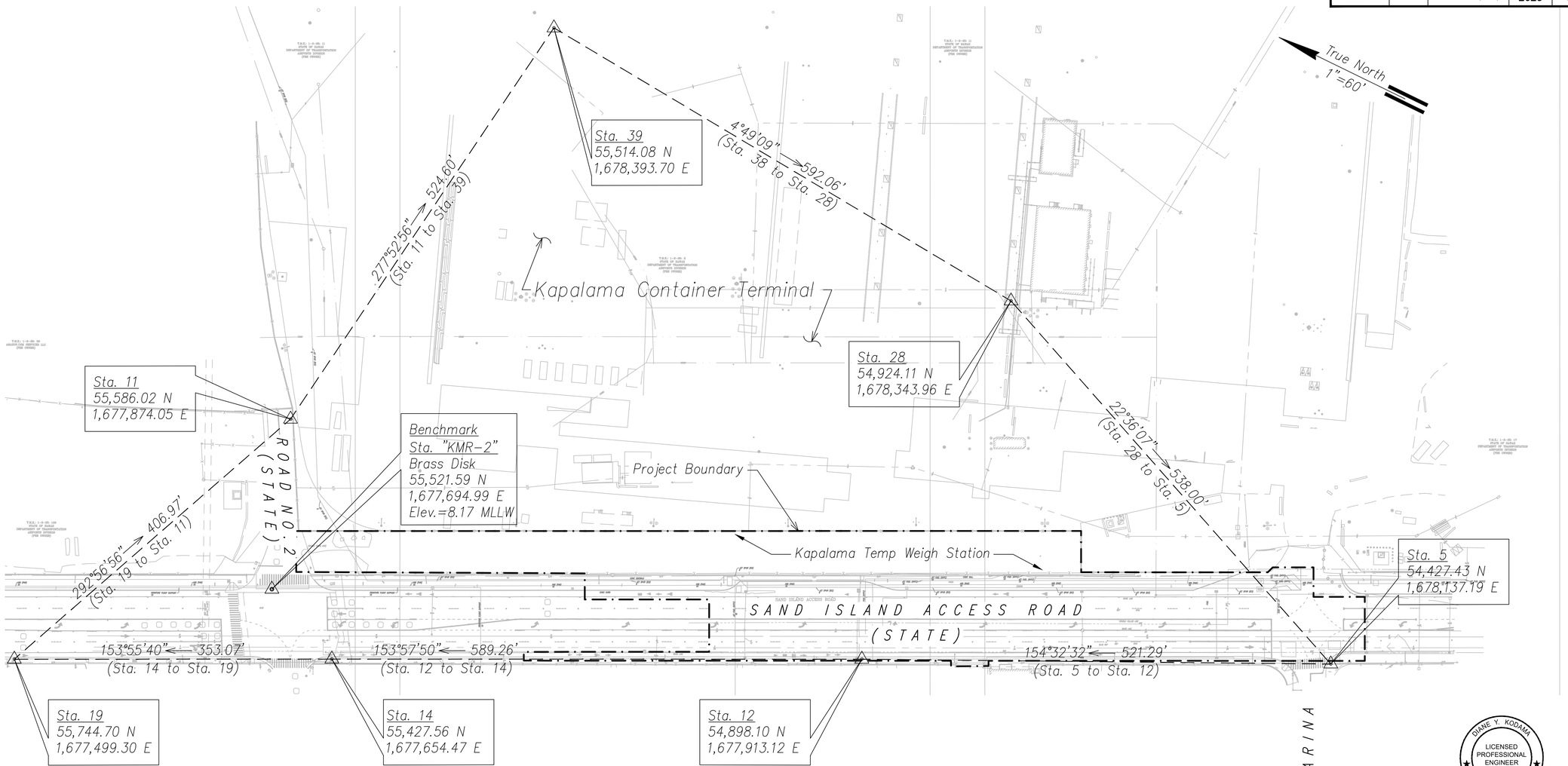
SHEET No. G-12 OF 54 SHEETS

ORIGINAL PLAN
NOTE BOOK
No.

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

PLOT DATE: 7/17/2025 @ 11:11 AM
LAST UPDATED: 7/17/2025 @ 9:52 PM
PATH/FILENAME: C:\Users\rbrichcio\Desktop\...\ROWORT Sand Island Rmps Station\DGN_G&P-SEDS-SHEETS\13 Erosion Control Plan.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	13	54



Notes:

This map and associated cadd file is a topographic survey of the subject parcel or project site. The depiction of boundaries and encumbrances affecting the project site are taken from latest tax maps only. Obtaining a copy of the current title report or deed for areas where property and encumbrance issues are critical is recommended prior to any design and construction work.

Underground utility lines and/or structures. If shown, are provided based on information from plans/maps prepared by others, and need to be reviewed by public utility agencies or associated facilities.

Unless otherwise noted, all locations of underground utility lines and/or structures are approximate. No guarantee is made on the accuracy of completeness of the information shown. The user(s) of this topographic survey map shall verify the information, as needed, during design and construction.

EXISTING CONDITION AND SURVEY CONTROL PLAN

Scale: 1"=60'

Graphic Scale:

1" = 60' 60' 30' 0 60' 120'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EXISTING CONDITION AND SURVEY CONTROL PLAN

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

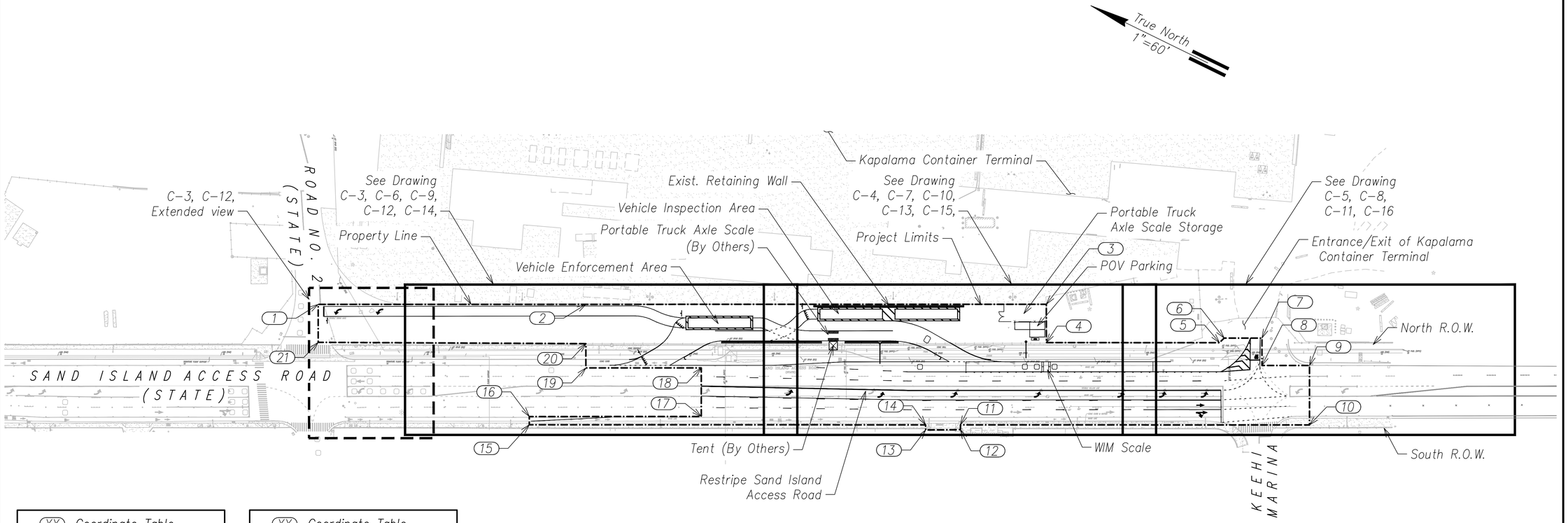
Scale: As Noted Date: July 2025

SHEET No. C-1 OF 54 SHEETS

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

LAST UPDATE: 10-16-2025 @ 09:18 am PLOT DATE: 22-16-2025 @ 10:22 am
PATH/FILENAME: E:\planning\pavt\current\NH2(010)-01 EXISTING CONDITION AND SURVEY CONTROL PLAN.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	14	54



(XX) Coordinate Table		
Point #	Northing	Easting
1	55,525.65	1,677,764.99
2	55,237.46	1,677,905.97
3	54,741.77	1,678,148.29
4	54,721.54	1,678,107.06
5	54,535.14	1,678,198.08
6	54,532.59	1,678,205.48
7	54,491.87	1,678,225.36
8	54,477.45	1,678,195.87
9	54,426.24	1,678,220.93
10	54,394.97	1,678,156.97
11	54,770.84	1,677,973.38

(XX) Coordinate Table		
Point #	Northing	Easting
12	54,768.27	1,677,968.14
13	54,805.61	1,677,949.56
14	54,808.35	1,677,955.06
15	55,235.10	1,677,746.62
16	55,239.40	1,677,755.40
17	55,054.23	1,677,845.98
18	55,079.81	1,677,898.29
19	55,204.02	1,677,837.55
20	55,216.76	1,677,863.63
21	55,505.69	1,677,724.16

GENERAL SITE PLAN
SCALE 1"=60'

Legend:

Project Limits

(XX) Coordinate Point ID

Graphic Scale:

1" = 60' 60' 30' 0 60' 120'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL SITE PLAN

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. C-2 OF 54 SHEETS

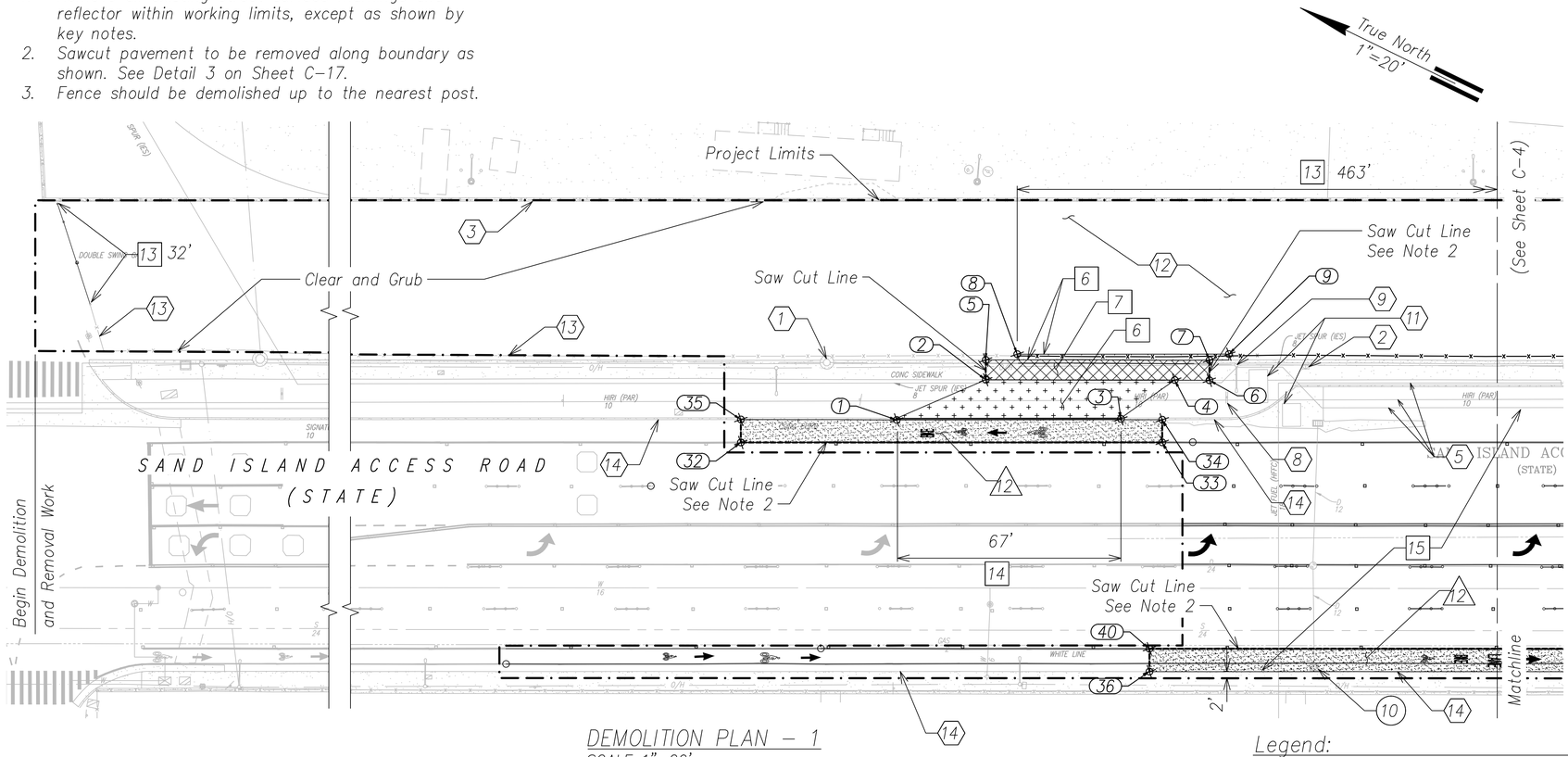
ORIGINAL PLAN | NOTE BOOK | No. | DATE
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

LAST UPDATE: 16-18-2025 @ 09:16 am PLOT DATE: 22-16-2025 @ 10:02 am
PATH/FILENAME: C:\Users\mdy\Users\Desktop\TRUCK-02_GENERAL SITE PLAN.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	15	54

Demolition Note:

1. Remove all existing street surface markings and reflector within working limits, except as shown by key notes.
2. Sawcut pavement to be removed along boundary as shown. See Detail 3 on Sheet C-17.
3. Fence should be demolished up to the nearest post.



DEMOLITION PLAN – 1
SCALE 1"=20'

Key Notes:

- XX Demolish and Remove
- XX Existing, Remain Undisturbed
- XX Existing, Raise to Grade
- XX Mill and Overlay Existing Asphalt

1. Existing Heco Power Pole
2. Existing Comm. Box
3. Existing Concrete Wall
4. Existing Fire Hydrant
5. Existing Fuel Lines
6. Existing Grass Area
7. Existing Concrete Sidewalk
8. Existing Sign
9. Existing Light Pole and Overhead Lines
10. Existing Drain Inlet
11. Existing Fuel Vault
12. Existing Asphalt Pavement
13. Existing Fence
14. Existing Concrete Curb
15. Existing Striping and Pavement Markers
16. Existing Concrete Strip
17. Existing Utility Access Cover
18. Existing Top Hat
19. Existing Concrete Driveway
20. Existing Utility Line

Abbreviations:

EP	Edge of Pavement
S/W	Sidewalk

(XX) Coordinate Table

Point #	Northing	Easting	Description
1	55161.58	1677869.22	Curb
2	55142.76	1677891.89	S/W
3	55100.93	1677899.21	Curb
4	55091.47	1677916.86	S/W
5	55145.40	1677897.26	S/W
6	55082.07	1677921.39	S/W
7	55084.70	1677926.86	S/W
8	55137.62	1677903.00	Fence
9	55080.25	1677931.06	Fence
32	55200.84	1677842.45	EP

(XX) Coordinate Table

Point #	Northing	Easting	Description
33	55086.62	1677898.33	EP
34	55089.62	1677904.44	EP
35	55203.88	1677848.66	EP
36	55059.74	1677834.50	EP
40	55062.77	1677840.69	EP

General Notes:

1. The contractor shall keep all streets free of dirt, mud, etc. during the course of construction.
2. Contractor shall take extreme precaution to protect all types of existing utilities lines, electrical components, surface infrastructures as indicated hereon and other structures during construction, the contractor shall be responsible for any damage as a result of construction activities
3. Modify existing drainage as indicated on proposed grading.
4. Unless otherwise indicated, items shown to be demolished shall become property of the HDOT. salvage or dispose off-site.
5. Refer to sheet C-1 for survey controls.

Legend:

- Fence
- Project Limits
- Limits of Paving
- Saw Cut Line
- Remove Existing Asphalt for Cold Mill Asphalt Overlay Per Detail 1 on C-20
- Demolish and Remove Existing Grass
- Demolish and Remove Existing Sidewalk
- (XX) Coordinate Point ID

Graphic Scale:

1" = 20' 20' 10' 0 20' 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION PLAN - 1

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. C-3 OF 54 SHEETS

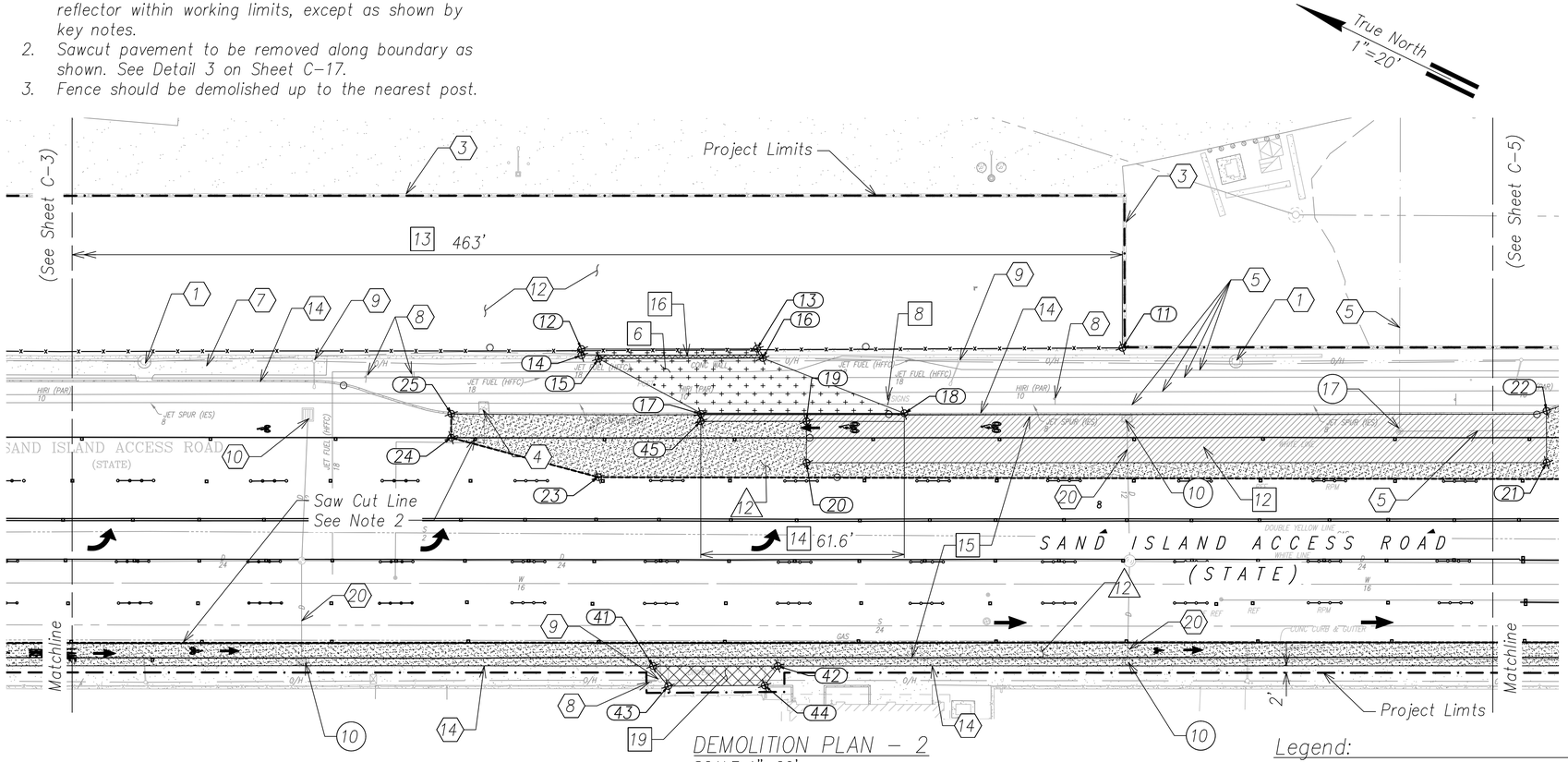
ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK | No.

PLOT DATE: 22-JUL-2025 @ 10:22 am
LAST UPDATE: 11-JUL-2025 @ 09:11 am
PATH/FILENAME: C:\planning\pavt\sheets\NH064-1d DEMOLITION PLAN - 1.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	16	54

Demolition Note:

1. Remove all existing street surface markings and reflector within working limits, except as shown by key notes.
2. Sawcut pavement to be removed along boundary as shown. See Detail 3 on Sheet C-17.
3. Fence should be demolished up to the nearest post.



DEMOLITION PLAN – 2
SCALE 1"=20'

Key Notes:

- XX Demolish and Remove
- XX Existing, Remain Undisturbed
- XX Existing, Raise to Grade
- XX Mill and Overlay Existing Asphalt

1. Existing Heco Power Pole
2. Existing Comm. Box
3. Existing Concrete Wall
4. Existing Fire Hydrant
5. Existing Fuel Lines
6. Existing Grass Area
7. Existing Concrete Sidewalk
8. Existing Sign
9. Existing Light Pole and Overhead Lines
10. Existing Drain Inlet
11. Existing Fuel Vault
12. Existing Asphalt Pavement
13. Existing Fence
14. Existing Concrete Curb
15. Existing Striping and Pavement Markers
16. Existing Concrete Strip
17. Existing Utility Access Cover
18. Existing Top Hat
19. Existing Concrete Driveway
20. Existing Utility Line

Abbreviations:

Conc	Concrete
EP	Edge of Pavement

XX Coordinate Table

Point #	Northing	Easting	Description
11	54722.09	1678106.59	Fence
12	54869.02	1678034.38	EP
13	54821.30	1678057.85	EP
14	54868.18	1678032.68	EP
15	54863.07	1678034.07	Conc
16	54818.48	1678056.02	Conc
17	54827.95	1678032.61	Curb
18	54772.70	1678059.85	Curb
19	54798.24	1678044.63	EP
20	54792.73	1678033.37	EP

XX Coordinate Table

Point #	Northing	Easting	Description
21	54591.50	1678131.78	EP
22	54598.39	1678145.85	EP
23	54847.43	1678001.78	EP
24	54892.67	1677992.96	EP
25	54895.80	1677999.48	EP
41	54807.44	1677957.72	Conc driveway
42	54773.51	1677974.29	Conc driveway
43	54800.64	1677954.27	Conc driveway
44	54774.50	1677967.28	Conc driveway
45	54826.97	1678030.60	EP

General Notes:

1. The contractor shall keep all streets free of dirt, mud, etc. during the course of construction.
2. Contractor shall take extreme precaution to protect all types of existing utilities lines, electrical components, surface infrastructures as indicated hereon and other structures during construction, the contractor shall be responsible for any damage as a result of construction activities
3. Modify existing drainage as indicated on proposed grading and drainage plan.
4. Unless otherwise indicated, items shown to be demolished shall become property of the hdot. salvage or dispose off-site.
5. Refer to sheet C-1 for survey controls.

Legend:

- Fence
- Project Limits
- Limits of Paving
- Saw Cut Line
- Remove Existing Asphalt for Cold Mill Asphalt Overlay Per Detail 1 on C-20
- Demolish and Remove Existing Grass
- Demolish and Remove Existing Sidewalk
- XX Coordinate Point ID

Graphic Scale:

1" = 20' 20' 10' 0 20' 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION PLAN - 2

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R
Scale: As Noted Date: July 2025

SHEET No. C-4 OF 54 SHEETS

ORIGINAL PLAN | NOTE BOOK | No. | DATE
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIED BY
CHECKED BY

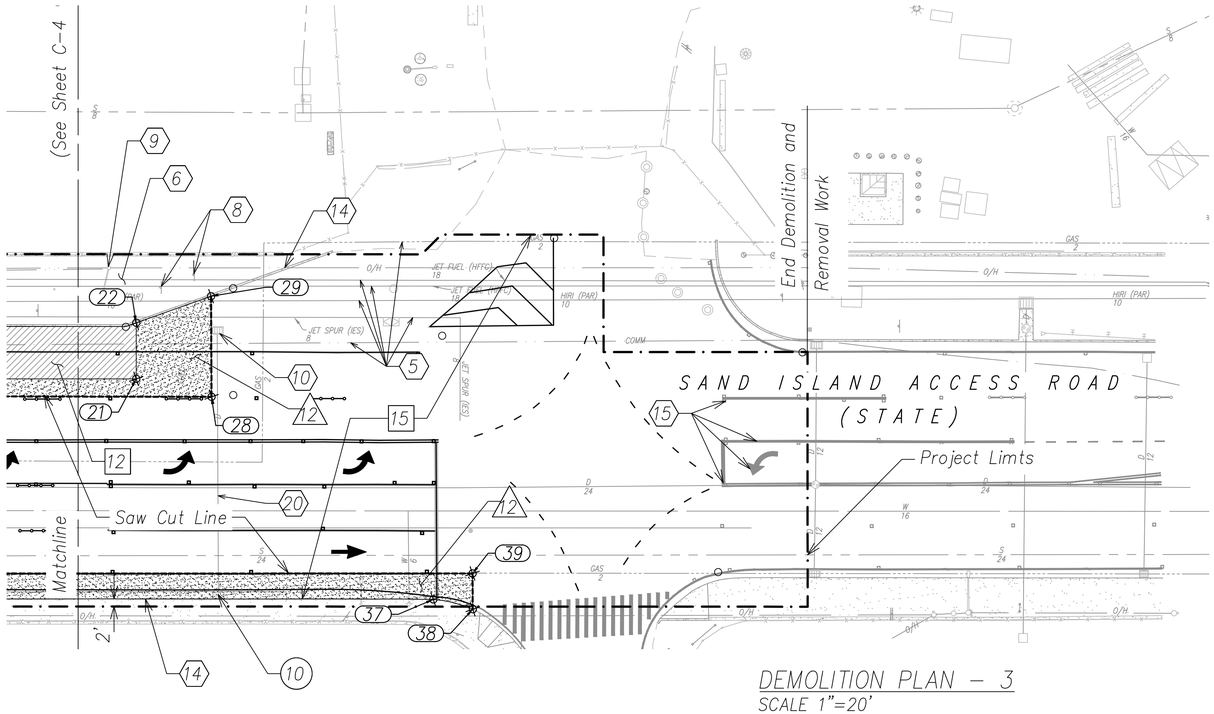
PATH/FILENAME: C:\planning\pavement\NSTC\C-04 DEMOLITION PLAN - 2.dwg
LAST UPDATE: 09-16-2025 @ 09:08 am PLOT DATE: 22-16-2025 @ 10:22 am

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	17	54

Demolition Note:

1. Remove all existing street surface markings and reflector within working limits, except as shown by key notes.

2. Sawcut pavement to be removed along boundary as shown. See Detail 3 on Sheet C-17.



DEMOLITION PLAN – 3
SCALE 1"=20'

Key Notes:

- XX — Demolish and Remove
- XX — Existing, Remain Undisturbed
- XX — Existing, Raise to Grade
- XX — Mill and Overlay Existing Asphalt

1. Existing Heco Power Pole
2. Existing Comm. Box
3. Existing Concrete Wall
4. Existing Fire Hydrant
5. Existing Fuel Lines
6. Existing Grass Area
7. Existing Concrete Sidewalk
8. Existing Sign
9. Existing Light Pole and Overhead Lines
10. Existing Drain Inlet
11. Existing Fuel Vault
12. Existing Asphalt Pavement
13. Existing Fence
14. Existing Concrete Curb
15. Existing Striping and Pavement Markers
16. Existing Concrete Strip
17. Existing Utility Access Cover
18. Existing Top Hat
19. Existing Concrete Driveway
20. Existing Utility Line

True North
1"=20'

(XX) Coordinate Table

Point #	Northing	Easting	Description
21	54591.50	1678131.78	EP
22	54598.39	1678145.85	EP
28	54570.39	1678136.52	EP
29	54582.86	1678161.73	EP
37	54489.84	1678112.86	EP
38	54478.73	1678115.23	EP
39	54483.17	1678124.19	EP

Abbreviations:

EP Edge of Pavement

General Notes:

1. The contractor shall keep all streets free of dirt, mud, etc. during the course of construction.
2. Contractor shall take extreme precaution to protect all types of existing utilities lines, electrical components, surface infrastructures as indicated hereon and other structures during construction, the contractor shall be responsible for any damage as a result of construction activities
3. Modify existing drainage as indicated on proposed grading and drainage plan.
4. Unless otherwise indicated, items shown to be demolished shall become property of the hdot. salvage or dispose off-site.
5. Refer to sheet C-1 for survey controls.

Legend:

- Fence
- Project Limits
- Limits of Paving
- Saw Cut Line
- Remove Existing Asphalt for Cold Mill Asphalt Overlay Per Detail 1 on C-20
- Demolish and Remove Existing Grass
- Demolish and Remove Existing Sidewalk
- (XX) Coordinate Point ID

Graphic Scale:

1" = 20' 20' 10' 0 20' 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION PLAN - 3

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

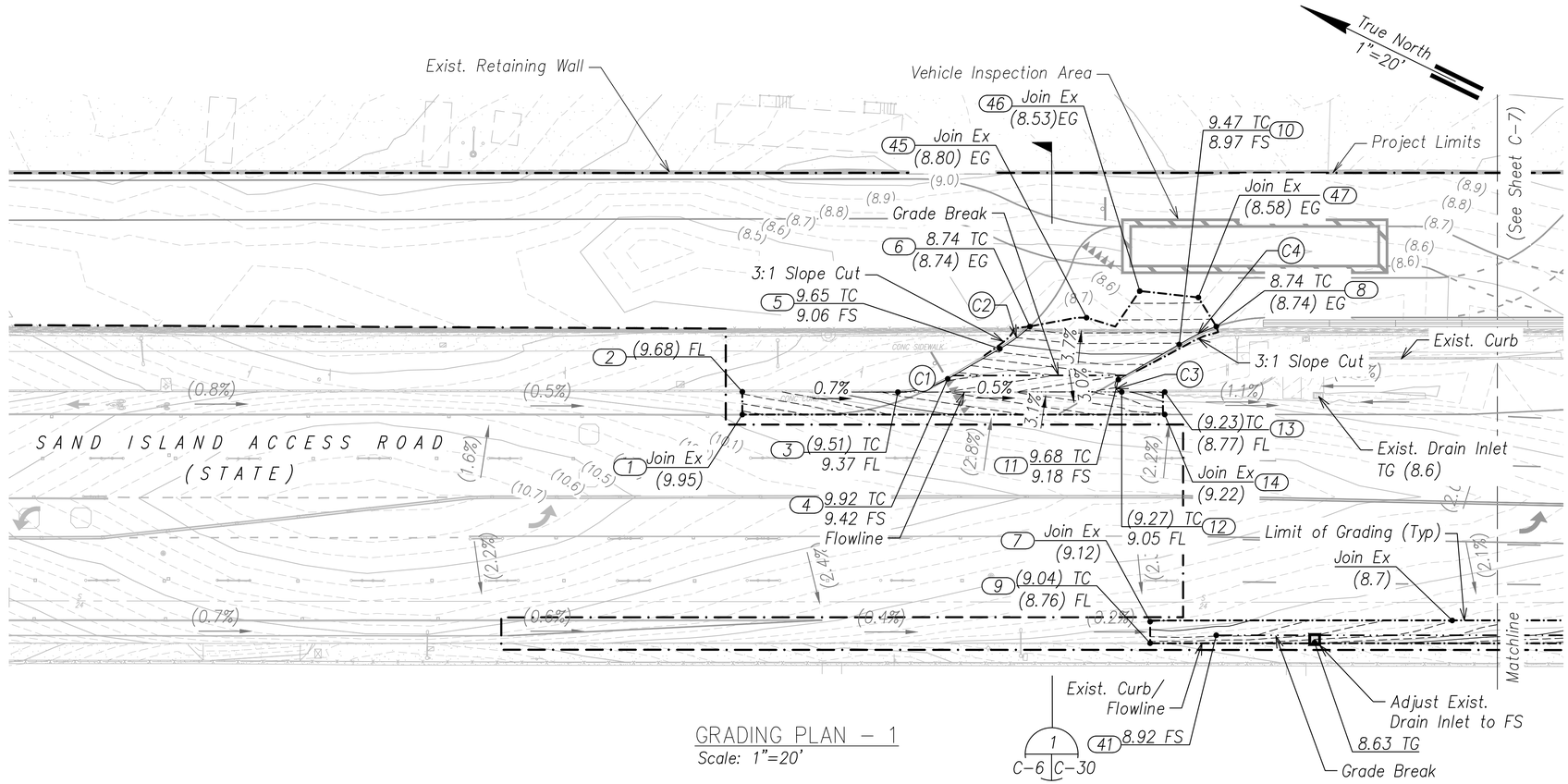
Scale: As Noted Date: July 2025

SHEET No. C-5 OF 54 SHEETS

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

LAST UPDATE: 07-16-2025 @ 09:07 am PLOT DATE: 23-16-2025 @ 10:23 am
PATH/FILENAME: C:\planning\work\plans\HDOT\C-05 DEMOLITION PLAN - 3.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	18	54



GRADING PLAN – 1
Scale: 1"=20'

Legend:

- (10) Exist. Ground Contour
- 10 Finished Grade Contour
- Limit of Grading
- Project limit
- Grade Break Line
- Flowline
- Drain Inlet Protection
- X.XX Proposed Elevation Indicator
- X.X% Proposed Slope Arrow
- (X.X%) Exist. Slope Arrow
- (X.XX) Exist. Elevation Indicator
- XX Coordinate Point ID
- CX Curve Data ID

Note:

1. Contractor Shall Grade the Site as Indicated by the Contour Lines, Directional Arrows and Elevations Shown on Drawings. All Grading Shall Vary Uniformly Between Elevations Shown.
2. Contractor Shall Protect the Existing Fence, Signs and All Other Existing Structures During Construction. See Demolition Sheets for All Items to be Salvaged, Removed or Protected in Place.
3. All Excess Debris, Trees, and/or Waste Materials Shall be Removed From the Site and Disposed of Properly. All Associated Costs Shall be at the Expense of the Contractor.

(XX) Coordinate Table

Point #	Northing	Easting
1	55,200.85	1,677,842.47
2	55,203.88	1,677,848.66
3	55,161.58	1,677,869.22
4	55,149.81	1,677,879.45
5	55,139.65	1,677,894.55
6	55,134.45	1,677,904.55
7	55,062.77	1,677,840.69
8	55,083.81	1,677,929.30
9	55,059.74	1,677,834.50
10	55,093.59	1,677,916.40
11	55,103.05	1,677,902.34

(XX) Coordinate Table

Point #	Northing	Easting
12	55,100.82	1,677,898.98
13	55,089.62	1,677,904.44
14	55,086.62	1,677,898.33
41	55,042.83	1,677,845.44
45	55,120.23	1,677,914.48
46	55,109.36	1,677,928.80
47	55,092.53	1,677,934.82

(CX) Curve Table

Curve #	Length of Curve	Radius	Tangent	Length of Chord	Delta
C1	15.78'	30.00'	8.08'	15.60'	030° 08' 16"
C2	11.30'	49.99'	5.67'	11.27'	012° 56' 50"
C3	5.23'	2.00'	7.44'	3.86'	149° 54' 34"
C4	9.58'	50.00'	4.80'	9.56'	010° 58' 32"

Abbreviations:

FS	Finished Surface
FL	Flowline
TC	Top of Curb
TG	Top of Grate

Graphic Scale:
1" = 20'
20' 10' 0 20' 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN - 1

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

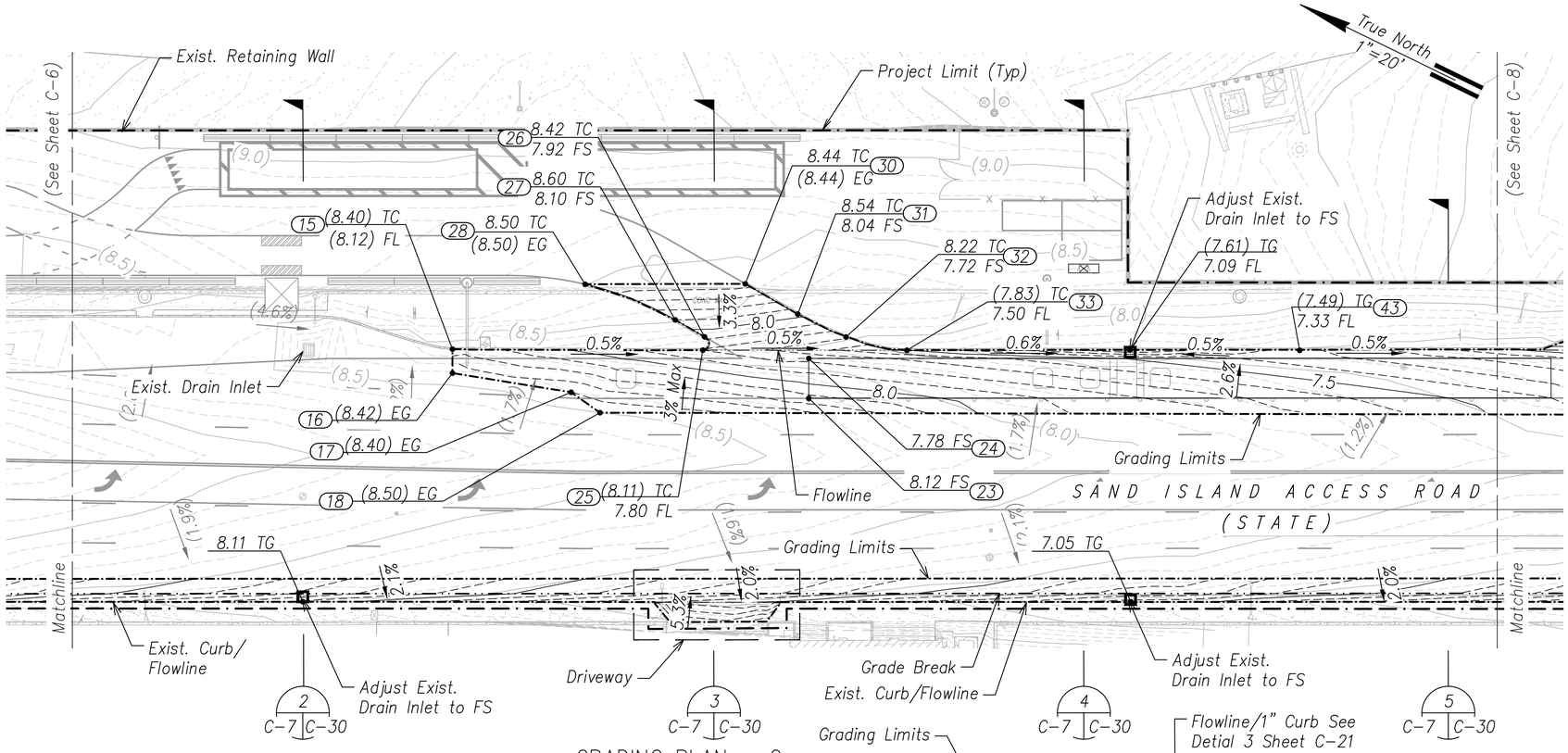
Scale: As Noted Date: July 2025

SHEET No. C-6 OF 54 SHEETS

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

PLOT DATE: 04-16-2025 @ 11:08 am
LAST UPDATE: 04-16-2025 @ 11:14 am
PLOT/FILENAME: C:\Users\dkodama\Desktop\NH2025-06 GRADING PLAN - 1.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	19	54



GRADING PLAN – 2
Scale: 1"=20'

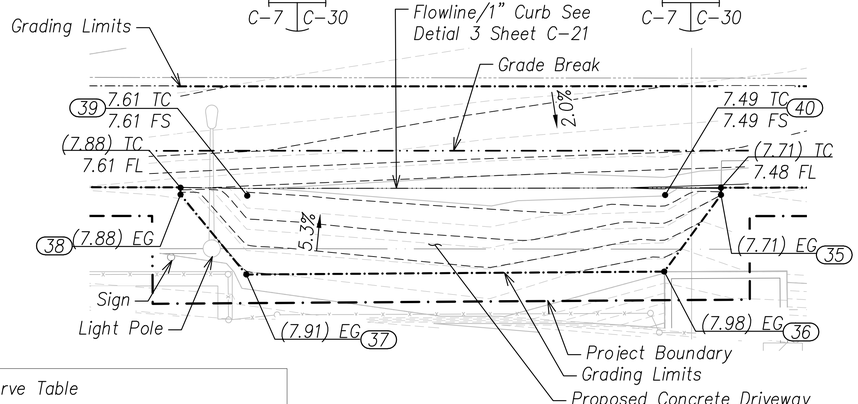
(XX) Coordinate Table		
Point #	Northing	Easting
15	54,895.85	1,677,999.45
16	54,892.67	1,677,992.96
17	54,857.68	1,678,003.46
18	54,847.43	1,678,001.78
23	54,792.73	1,678,033.37
24	54,798.01	1,678,044.15
25	54,827.84	1,678,032.38
26	54,829.11	1,678,036.21
27	54,839.35	1,678,036.91
28	54,868.48	1,678,034.65
30	54,825.11	1,678,055.98

(XX) Coordinate Table		
Point #	Northing	Easting
31	54,806.87	1,678,054.72
32	54,790.77	1,678,054.91
33	54,772.48	1,678,059.40
35	54,773.51	1,677,974.29
36	54,774.50	1,677,967.28
37	54,800.64	1,677,954.27
38	54,807.44	1,677,957.72
39	54,803.01	1,677,959.26
40	54,776.79	1,677,972.12
43	54,711.64	1,678,089.26

Abbreviations:

FL	Flow Line
FS	Finished Surface
TC	Top of Curb
TG	Top of Grate

(CX) Curve Table					
Curve #	Length of Curve	Radius	Tangent	Length of Chord	Delta
C5	29.32'	100.00'	14.77'	29.22'	016° 48' 06"
C6	5.23'	2.00'	7.46'	3.86'	150° 00' 48"
C7	23.43'	99.84'	11.77'	23.37'	013° 26' 44"
C8	11.65'	40.00'	5.87'	11.61'	016° 41' 01"



CONCRETE DRIVEWAY
Scale: 1"=5'
* See Detial 3 Sheet C-21

Legend:

(10)	Exist. Ground Contour
10	Finished Grade Contour
	Limit of Grading
	Project limit
	Grade Break Line
	Flowline
	Drain Inlet Protection
X.XX	Proposed Elevation Indicator
X.X%	Proposed Slope Arrow
(X.X%)	Exist. Slope Arrow
(X.XX)	Exist. Elevation Indicator
XX	Coordinate Point ID
CX	Curve Data ID

Note:

1. Contractor Shall Grade the Site as Indicated by the Contour Lines, Directional Arrows and Elevations Shown on Drawings. All Grading Shall Vary Uniformly Between Elevations Shown.
2. Contractor Shall Protect the Existing Fence, Signs and All Other Existing Structures During Construction. See Demolition Sheets for All Items to be Salvaged, Removed or Protected in Place.
3. All Excess Debris, Trees, and/or Waste Materials Shall be Removed From the Site and Disposed of Properly. All Associated Costs Shall be at the Expense of the Contractor.
4. The cross slope surface for WIM System Sensors installation shall not exceed 2% on The Longitudinal Slope and shall not exceed 3% on The lateral Slope.

Graphic Scale: 1" = 5' (5' 2.5' 0 5' 10')
Graphic Scale: 1" = 20' (20' 10' 0 20' 40')

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.
LICENSE EXPIRES 4/30/26
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GRADING PLAN - 2

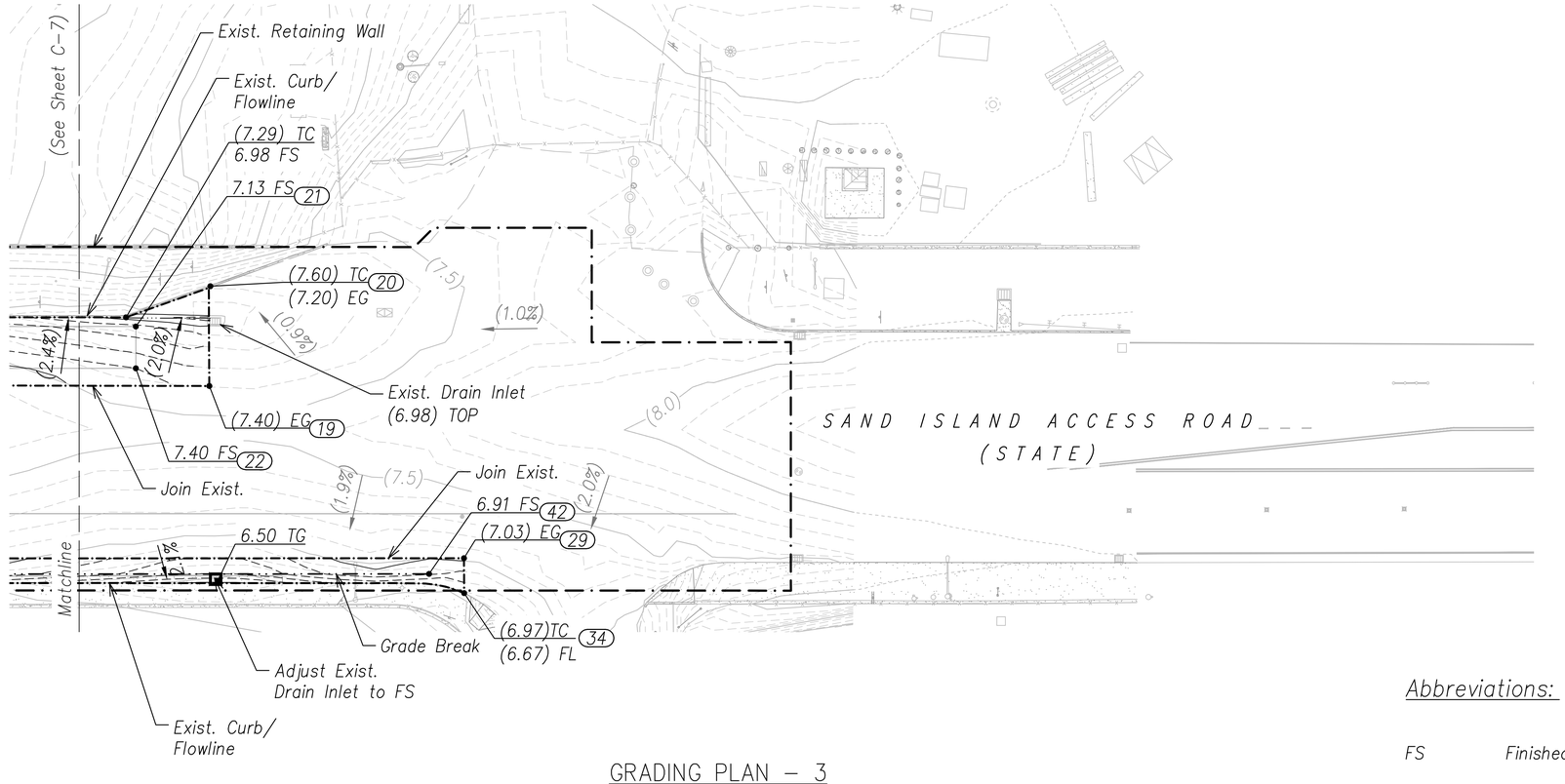
SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R
Scale: As Noted Date: July 2025

SHEET No. C-7 OF 54 SHEETS

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

LAST UPDATE: 05-16-2025 @ 11:08 am PLOT DATE: 05-16-2025 @ 11:15 am
PATH/FILENAME: C:\projects\Sand Island\PROJECT GRADING PLAN - 2.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	20	54



GRADING PLAN – 3
Scale: 1"=20'

(XX) Coordinate Table

Point #	Northing	Easting
19	54,570.39	1,678,136.52
20	54,582.86	1,678,161.73
21	54,596.80	1,678,142.59
22	54,591.52	1,678,131.81
29	54,483.17	1,678,124.19
34	54,478.73	1,678,115.23
42	54,490.18	1,678,115.76

Legend:

- (10) — Exist. Ground Contour
- 10 — Finished Grade Contour
- Limit of Grading
- Project limit
- Grade Break Line
- Flowline
- Drain Inlet Protection
- X.XX — Proposed Elevation Indicator
- X.X%
- (X.X%)
- (X.XX) / XX

Note:

1. Contractor Shall Grade the Site as Indicated by the Contour Lines, Directional Arrows and Elevations Shown on Drawings. All Grading Shall Vary Uniformly Between Elevations Shown.
2. Contractor Shall Protect the Existing Fence, Signs and All Other Existing Structures During Construction. See Demolition Sheets for All Items to be Salvaged, Removed or Protected in Place.
3. All Excess Debris, Trees, and/or Waste Materials Shall be Removed From the Site and Disposed of Properly. All Associated Costs Shall be at the Expense of the Contractor.
4. The cross slope surface for WIM System Sensors installation shall not exceed 2% on The Longitudinal Slope and shall not exceed 3% on The lateral Slope.

Abbreviations:

FS	Finished Surface
FL	Flowline
TC	Top of Curb
TG	Top of Grate

Graphic Scale:
1" = 20' (20' 10' 0 20' 40')

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN - 3

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

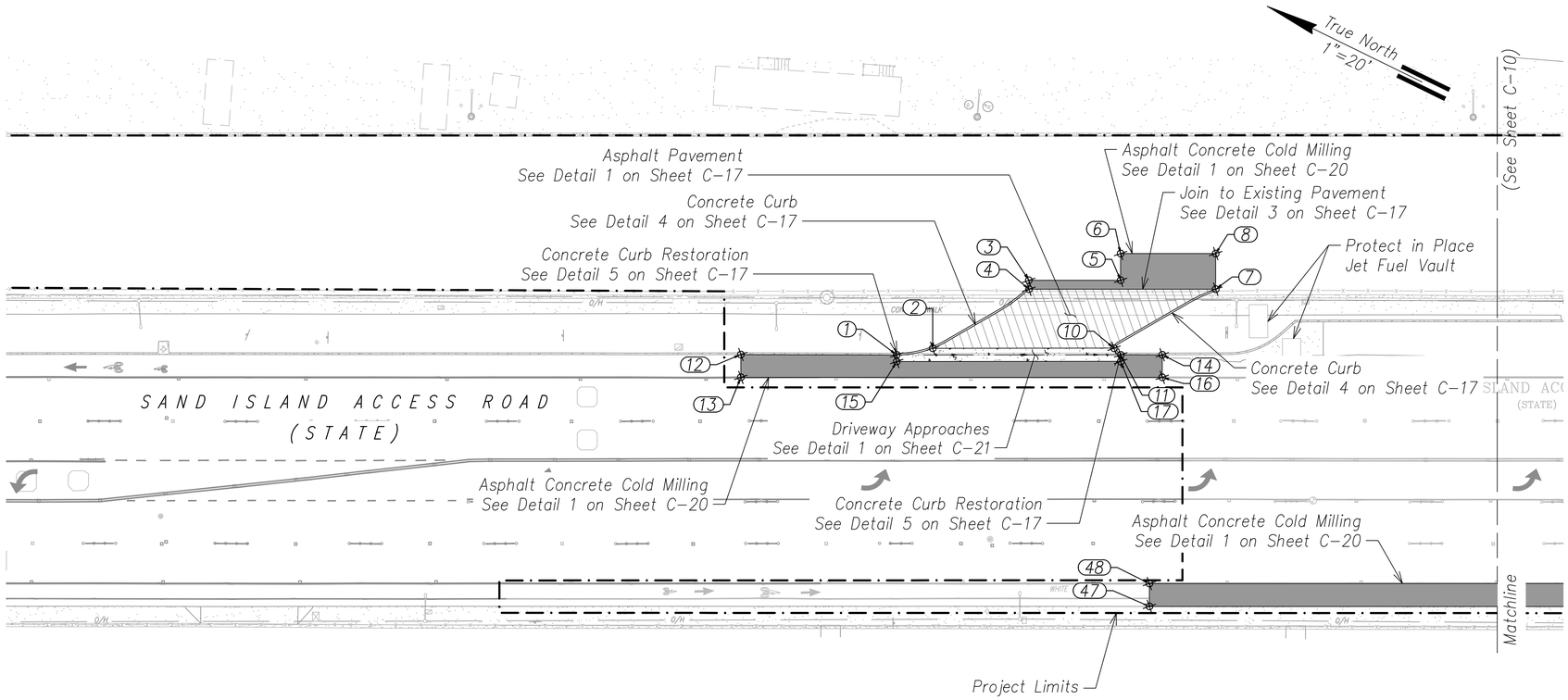
Scale: As Noted Date: July 2025

SHEET No. C-8 OF 54 SHEETS

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

LAST UPDATE: 07-16-2025 @ 11:07 am PLOT DATE: 15-16-2025 @ 11:15 am
PATH/FILENAME: C:\planning\contract\NH064-1R GRADING PLAN - 3.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	21	54



Legend:

- Project Limits
- Limits of Paving
- Asphalt Pavement
- Asphalt Pavement Mill and Overlay
- Concrete Pavement
- (XX) Coordinate Point ID

Abbreviations:

CF	Curb Face
EP	Edge of Pavement

PAVEMENT PLAN – 1
SCALE 1"=20'

PAVEMENT POINT TABLE

(XX) Coordinate Table			
Point #	Northing	Easting	Desc
1	55161.58	1677869.22	CF
2	55152.71	1677875.80	CF
3	55135.66	1677906.96	EP
4	55134.45	1677904.55	CF
5	55110.77	1677919.13	EP
6	55114.31	1677926.38	EP
7	55083.81	1677929.30	CF
8	55088.54	1677938.98	EP
10	55103.54	1677899.82	CF
11	55100.86	1677898.91	CF

(XX) Coordinate Table			
Point #	Northing	Easting	Desc
12	55203.88	1677848.67	EP
13	55200.85	1677842.47	EP
14	55089.62	1677904.44	EP
15	55160.70	1677867.42	EP
16	55086.62	1677898.33	EP
17	55099.99	1677897.11	EP
47	55059.74	1677834.50	EP
48	55062.77	1677840.69	EP

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT PLAN - 1

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

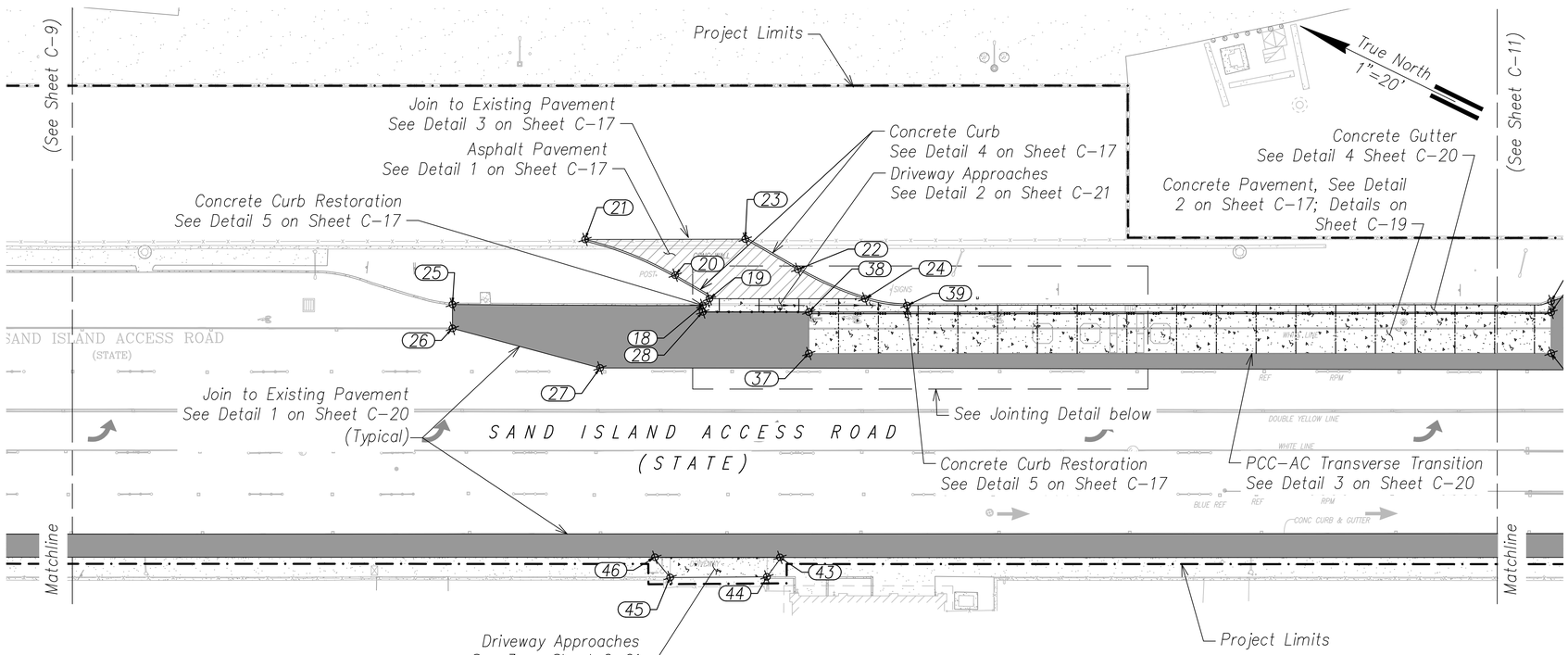
Scale: As Noted Date: July 2025

SHEET No. C-9 OF 54 SHEETS

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

LAST UPDATE: 24-15-2025 @ 10:24 am PLOT DATE: 24-16-2025 @ 10:24 am
PATH/FILENAME: C:\pwworking\kodama\d0025\C-09 PAVEMENT PLAN - 1.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	22	54



Legend:

- Project Limits
- Limits of Paving
- Transverse Contraction Joint
- Longitudinal Contraction Joint
- Isolation Joint
- Asphalt Pavement
- Asphalt Pavement Mill and Overlay
- Concrete Pavement
- (XX) Coordinate Point ID

Abbreviations:

AC	Asphalt Concrete
Conc	Concrete
CF	Curb Face
EP	Edge of Pavement
PCC	Portland Cement Concrete

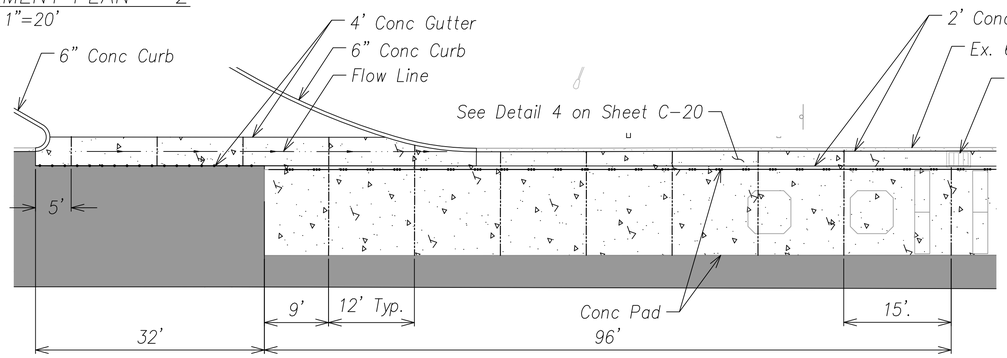
PAVEMENT PLAN – 2

SCALE 1"=20'

PAVEMENT POINT TABLE

(XX) Coordinate Table			
Point #	Northing	Easting	Desc
18	54827.84	1678032.38	CF
19	54826.95	1678035.06	CF
20	54839.35	1678036.91	CF
21	54868.49	1678034.64	CF
22	54806.87	1678054.72	CF
23	54825.11	1678055.98	CF
24	54784.80	1678055.64	CF
25	54895.85	1677999.45	EP
26	54892.67	1677992.96	EP
27	54847.43	1678001.78	EP

(XX) Coordinate Table (XX)			
Point #	Northing	Easting	Desc
28	54826.99	1678030.58	EP
37	54792.73	1678033.37	Conc
38	54798.24	1678044.63	Conc
39	54772.48	1678059.40	Conc
43	54773.54	1677974.27	Conc Driveway
44	54774.50	1677967.28	Conc Driveway
45	54800.64	1677954.27	Conc Driveway
46	54807.44	1677957.72	Conc Driveway



JOINTING DETAIL

SCALE 1"=10'

Graphic Scale:

1" = 10' 10' 5' 0 10' 20'

Graphic Scale:

1" = 20' 20' 10' 0 20' 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT PLAN - 2

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

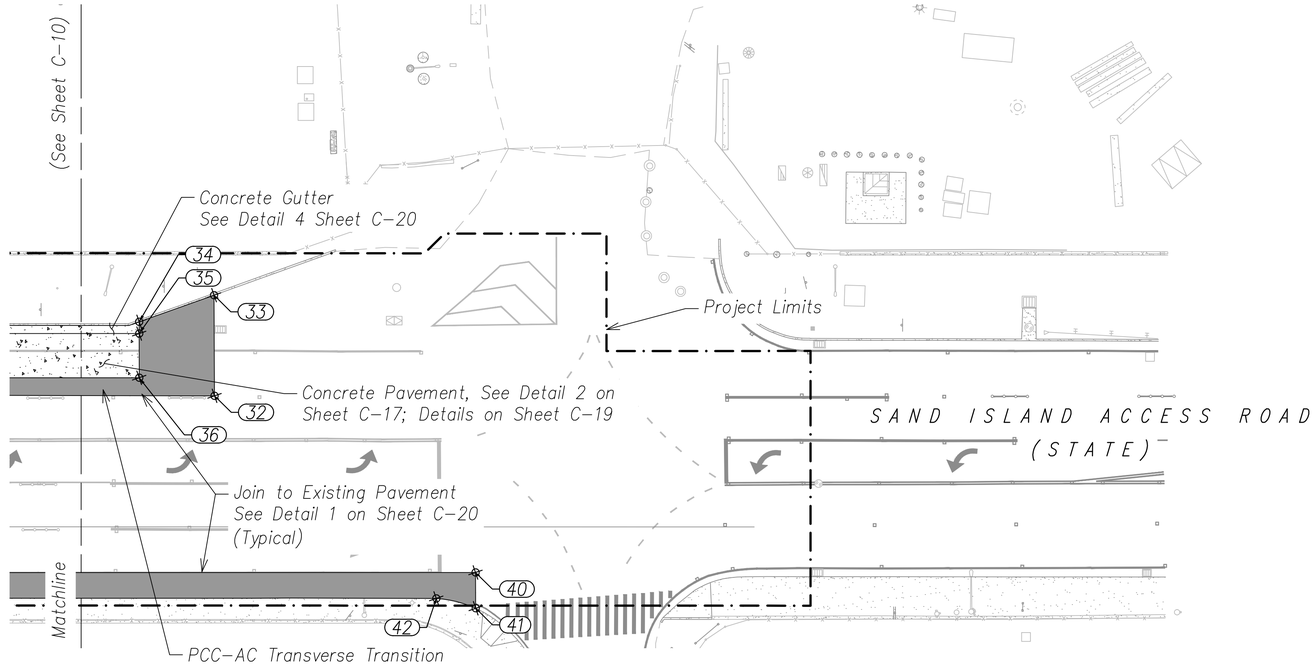
SHEET No. C-10 OF 54 SHEETS

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

LAST UPDATE: 06-16-2025 @ 10:58 am PLOT DATE: 06-16-2025 @ 10:58 am

PATH/FILENAME: C:\Users\kyle\Desktop\PROJECTS\PAVEMENT PLAN - 2.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	23	54



PAVEMENT PLAN – 3
SCALE 1"=20'

True North
1"=20'

Legend:

- Project Limits
- Limits of Paving
- Asphalt Pavement
- Asphalt Pavement Mill and Overlay
- Concrete Pavement
- (XX) Coordinate Point ID

Abbreviations:

AC	Asphalt Concrete
Conc	Concrete
CF	Curb Face
EP	Edge of Pavement
PCC	Portland Cement Concrete

PAVEMENT POINT TABLE

(XX) Coordinate Table			
Point #	Northing	Easting	Desc
32	54570.39	1678136.52	EP
33	54582.86	1678161.73	EP
34	54598.39	1678145.85	EP
35	54596.95	1678142.91	Conc
36	54591.52	1678131.81	Conc
40	54483.17	1678124.19	EP
41	54478.73	1678115.23	EP
42	54489.84	1678112.86	EP

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

PATH/FILENAME: C:\pwworking\jyoshizumi\D0252411\PAVEMENT PLAN - 3.dwg
LAST XPSAVE: 27-18-2025 @ 09:37 am PLOT DATE: 25-18-2025 @ 10:26 am

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

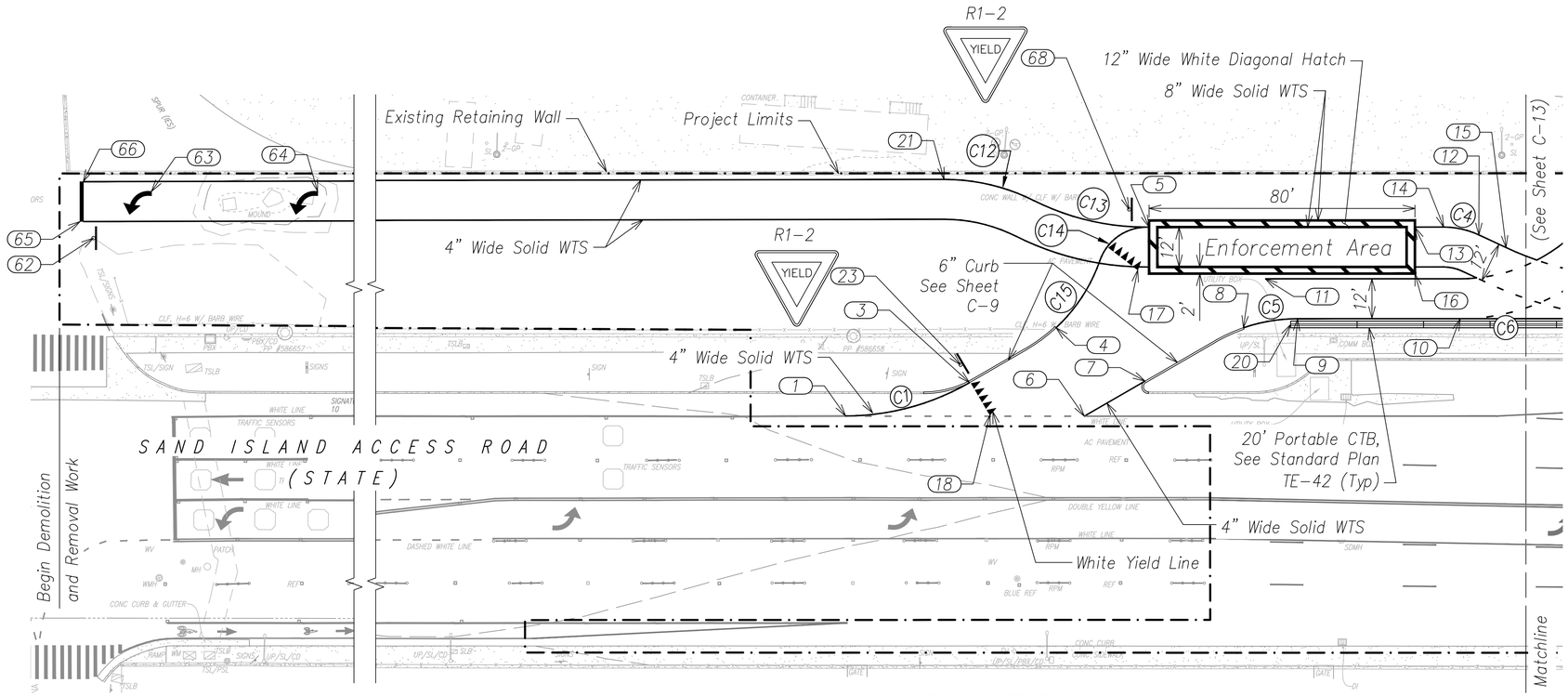
PAVEMENT PLAN - 3

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. C-11 OF 54 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	24	54



CIVIL SITE PLAN – 1
SCALE 1"=20'

(XX)	Coordinate Table			
Point #	Northing	Easting	Description
1	55,179.69	1,677,852.88	4" Wide WTS
3	55,150.58	1,677,878.30	4" Wide WTS
4	55,134.45	1,677,904.55	End Of Curb
5	55,122.61	1,677,944.02	4" Wide WTS
6	55,115.16	1,677,884.36	4" Wide WTS
7	55,103.35	1,677,901.90	4" Wide WTS
8	55,083.81	1,677,929.30	4" Wide WTS
9	55,070.36	1,677,938.91	4" Wide WTS
10	55,026.40	1,677,960.40	4" Wide WTS
11	55,084.35	1,677,945.44	4" Wide WTS
12	55,032.43	1,677,985.50	4" Wide WTS
13	55,050.74	1,677,979.16	4" Wide WTS
14	55,042.95	1,677,982.97	4" Wide WTS

(XX)	Coordinate Table			
Point #	Northing	Easting	Description
15	55,023.38	1,677,985.67	4" Wide WTS
16	55,044.59	1,677,966.58	8" Wide WTS
17	55,120.03	1,677,930.97	White Yield Striping
18	55,140.80	1,677,872.24	White Yield Striping
20	55,071.49	1,677,936.41	20' Portable CTB
21	55,184.32	1,677,929.84	4" Wide WTS
23	55,155.39	1,677,881.91	Yield Sign
62	55,507.96	1,677,751.99	Stop Sign
63	55,498.41	1,677,772.29	Directional Arrow
64	55,453.49	1,677,794.25	Directional Arrow
65	55,513.75	1,677,754.72	4" Wide WTS
66	55,518.13	1,677,765.95	12" Wide WTS
68	55,130.34	1,677,946.16	Yield Sign

(CX)	Curve Table				
Curve #	Length of Curve	Radius	Tangent	Length of Chord	Delta
C1	40.47'	75.17'	20.74'	39.98'	030° 50' 45"
C4	10.91'	25.00'	5.54'	10.82'	025° 00' 00"
C5	16.61'	50.00'	8.38'	16.53'	019° 01' 41"
C6	48.69'	62.00'	25.68'	47.45'	045° 00' 00"
C12	28.01'	60.00'	14.27'	27.76'	026° 45' 06"
C13	34.72'	75.00'	17.68'	34.41'	026° 31' 33"
C14	19.18'	15.00'	11.15'	17.90'	073° 16' 08"
C15	35.65'	50.00'	18.62'	34.90'	040° 51' 08"

Legend:

- Project Limits
- (XX) Coordinate Point ID
- (CX) Curve Data ID

Abbreviations:

CTB	Concrete Traffic Barrier
WTS	White Traffic Stripe

Graphic Scale:
1" = 20'
20' 10' 0 20' 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CIVIL SITE PLAN - 1

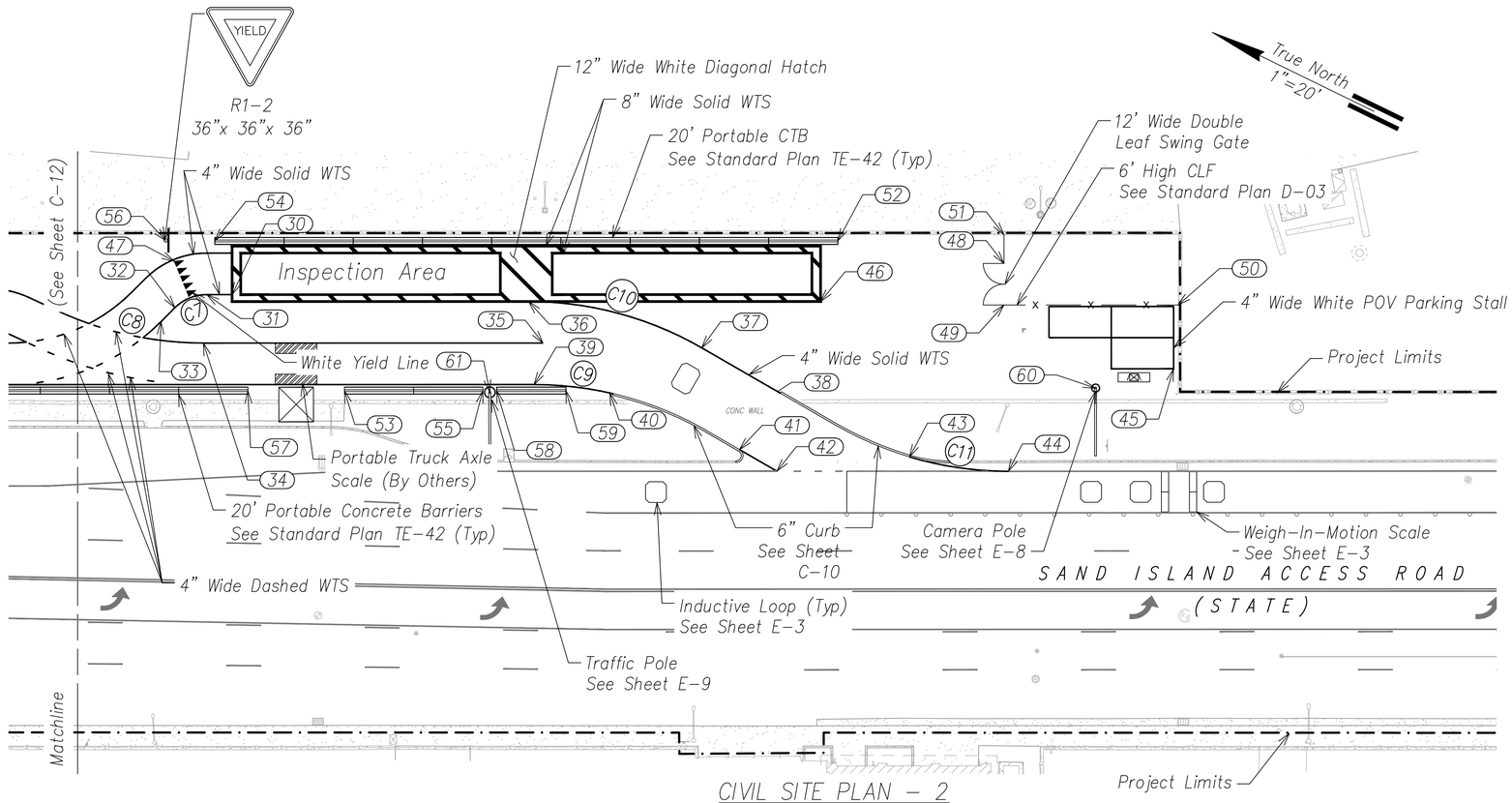
SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R
Scale: As Noted Date: July 2025

SHEET No. C-12 OF 54 SHEETS

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

LAST UPDATE: 12-18-2025 @ 09:53 am PLOT DATE: 25-18-2025 @ 10:26 am
PATH/FILENAME: C:\planning\pavement\NSTC\C-12 CIVIL SITE PLAN - 1.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	25	54



CIVIL SITE PLAN – 2

Legend:

— — · —	Project Limits
(XX)	Coordinate Point ID
(CX)	Curve Data ID

Abbreviations:

CTB	Concrete Traffic Barrier
WTS	White Traffic Stripe

(CX) Curve Table

Curve #	Length of Curve	Radius	Tangent	Length of Chord	Delta
C7	10.21'	13.00'	5.38'	9.95'	044° 59' 50"
C8	43.64'	100.00'	22.17'	43.30'	025° 00' 18"
C9	23.04'	100.00'	11.57'	22.98'	013° 11' 54"
C10	52.36'	100.00'	26.79'	51.76'	030° 00' 00"
C11	28.96'	100.00'	14.58'	28.86'	016° 35' 40"

(XX) Coordinate Table

Point #	Northing	Easting	Description
30	54,979.96	1,678,012.04	4" Wide WTS
31	54,986.55	1,678,008.82	4" Wide WTS
32	54,993.13	1,678,001.36	4" Wide WTS
33	54,994.99	1,677,995.96	4" Wide WTS
34	54,981.29	1,677,995.81	4" Wide WTS
35	54,893.14	1,678,038.89	4" Wide WTS
36	54,902.10	1,678,047.87	4" Wide WTS
37	54,851.29	1,678,057.79	4" Wide WTS
38	54,825.11	1,678,055.98	4" Wide WTS
39	54,890.15	1,678,026.99	4" Wide WTS
40	54,868.48	1,678,034.65	4" Wide WTS

(XX) Coordinate Table

Point #	Northing	Easting	Description
41	54,828.58	1,678,036.17	4" Wide WTS
42	54,816.11	1,678,035.31	4" Wide WTS
43	54,783.53	1,678,055.84	4" Wide WTS
44	54,756.04	1,678,064.65	4" Wide WTS
45	54,726.17	1,678,112.21	4" Wide WTS
46	54,826.35	1,678,084.89	8" Wide WTS
47	54,999.20	1,678,013.36	White Yield Striping
48	54,783.56	1,678,118.04	6' High CLF
49	54,778.29	1,678,107.26	6' High CLF
50	54,733.07	1,678,129.37	6' High CLF
51	54,787.22	1,678,125.53	6' High CLF

(XX) Coordinate Table

Point #	Northing	Easting	Description
52	54,829.54	1,678,102.81	20' Portable CTB
53	54,938.63	1,678,001.35	20' Portable CTB
54	54,991.26	1,678,023.77	20' Portable CTB
55	54,902.69	1,678,018.92	20' Portable CTB
56	55,004.07	1,678,017.66	Yield Sign
57	54,963.68	1,677,989.11	20' Portable CTB
58	54,899.10	1,678,020.67	20' Portable CTB
59	54,881.13	1,678,029.46	20' Portable CTB
60	54,743.97	1,678,097.31	Pole Foundation
61	54,900.68	1,678,019.35	Pole Foundation

Graphic Scale:

1" = 20' (20' 10' 0 20' 40')

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CIVIL SITE PLAN - 2

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

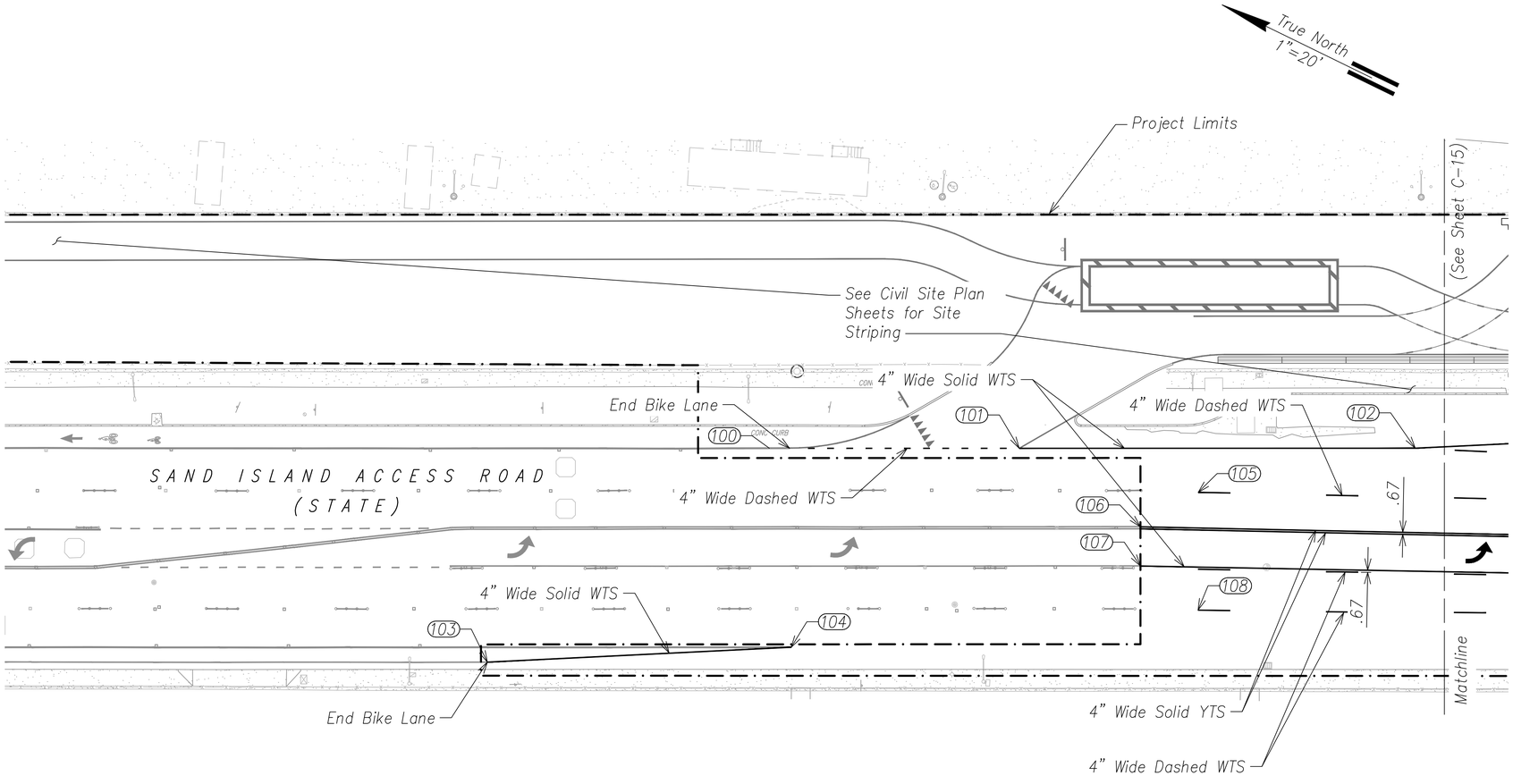
Scale: As Noted Date: July 2025

SHEET No. C-13 OF 54 SHEETS

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

LAST UPDATE: 4/8/2025 @ 10:48 am PLOT DATE: 25-FEB-2025 @ 10:05 am
PATH/FILENAME: C:\Users\dy\Local\Temp\AcPublish_6\TOPO\C-13 CIVIL SITE PLAN 2.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	26	54



ACCESS ROAD STRIPING PLAN – 1
SCALE 1"=20'

(XX)	Coordinate Table		
Point #	Northing	Easting	Description
100	55,185.31	1,677,850.06	4" Wide WTS
101	55,115.16	1,677,884.36	4" Wide WTS
102	55,003.97	1,677,938.74	4" Wide WTS
103	55,235.17	1,677,751.30	4" Wide WTS
104	55,151.86	1,677,797.21	4" Wide WTS
105	55,058.85	1,677,896.57	4" Wide WTS
106	55,070.39	1,677,878.95	4" Wide YTS
107	55,064.97	1,677,867.95	4" Wide WTS
108	55,042.73	1,677,863.44	4" Wide WTS

Legend:

— — · —	Project Limits
(XX)	Coordinate Point ID
(CX)	Curve Data ID

Abbreviations:

WTS	White Traffic Stripe
YTS	Yellow Traffic Stripe

Note:

1. SEE SHEET C-24 FOR LANE MAKER AND RESTRICTION ZONES DETAILS.

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

LAST UPDATE: 09-15-2025 @ 09:49 am PLOT DATE: 09-16-2025 @ 10:26 am
PATH/FILENAME: C:\pwworking\kodam\d0240210c-14 ACCESS ROAD STRIPING PLAN - 1.dwg

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ACCESS ROAD STRIPING PLAN - 1

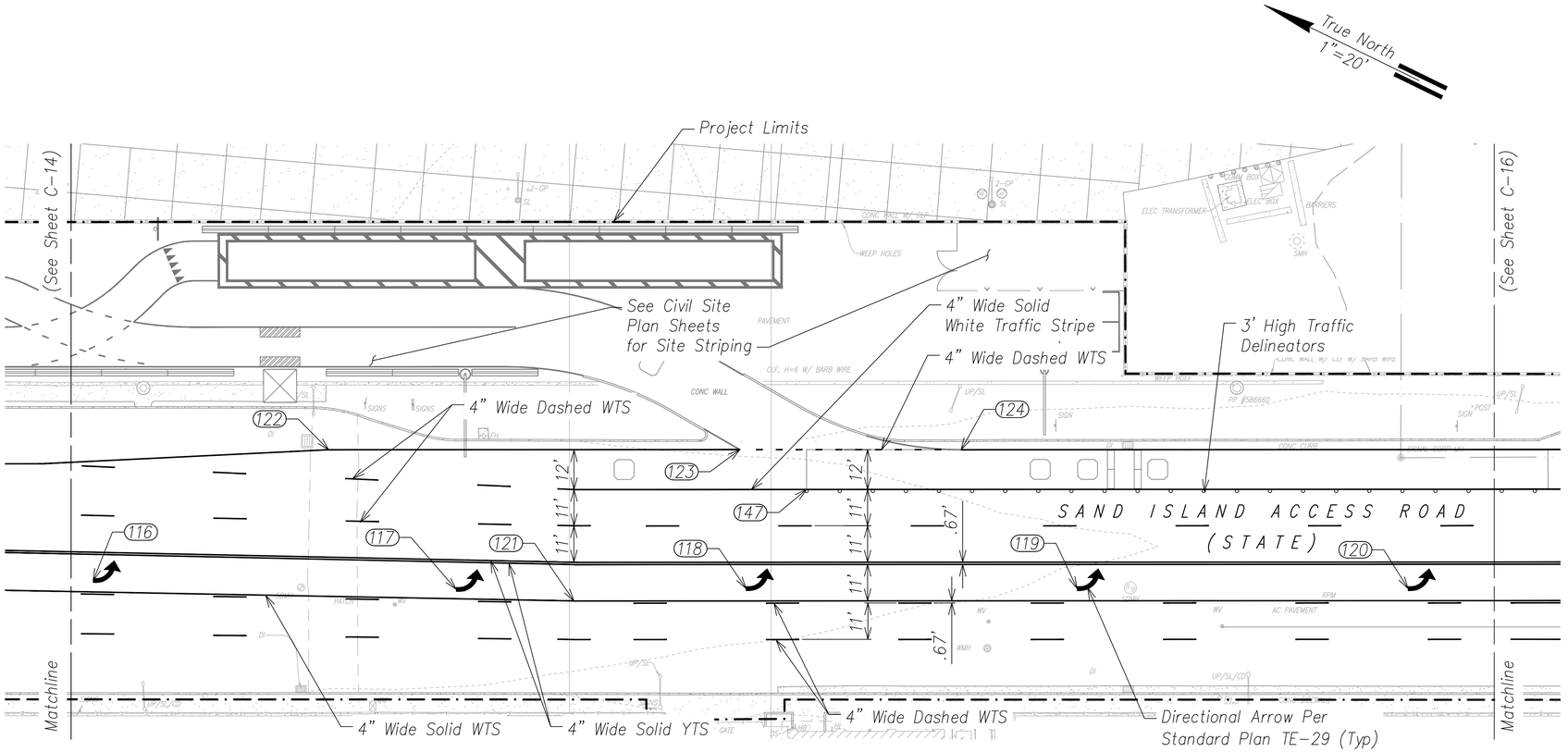
SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. C-14 OF 54 SHEETS

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	27	54



ACCESS ROAD STRIPING PLAN – 2

SCALE 1"=20'

(XX) Coordinate Table

Point #	Northing	Easting	Description
116	54,974.26	1,677,914.00	Directional Arrow
117	54,874.55	1,677,959.74	Directional Arrow
118	54,795.97	1,677,998.42	Directional Arrow
119	54,706.13	1,678,042.34	Directional Arrow
120	54,616.29	1,678,086.25	Directional Arrow
121	54,841.08	1,677,972.22	4" Wide WTS
122	54,927.71	1,677,980.73	4" Wide WTS
123	54,816.11	1,678,035.31	4" Wide WTS
124	54,756.04	1,678,064.65	4" Wide WTS
147	54,792.73	1,678,033.37	Begin Delineator

Legend:

- Project Limits
- (XX) Coordinate Point ID
- (CX) Curve Data ID

Abbreviations:

WTS	White Traffic Stripe
YTS	Yellow Traffic Stripe

Note:

1. SEE SHEET C-24 FOR LANE MAKER AND RESTRICTION ZONES DETAILS.

Graphic Scale:

1" = 20' (20' 10' 0 20' 40')

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ACCESS ROAD STRIPING PLAN - 2

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

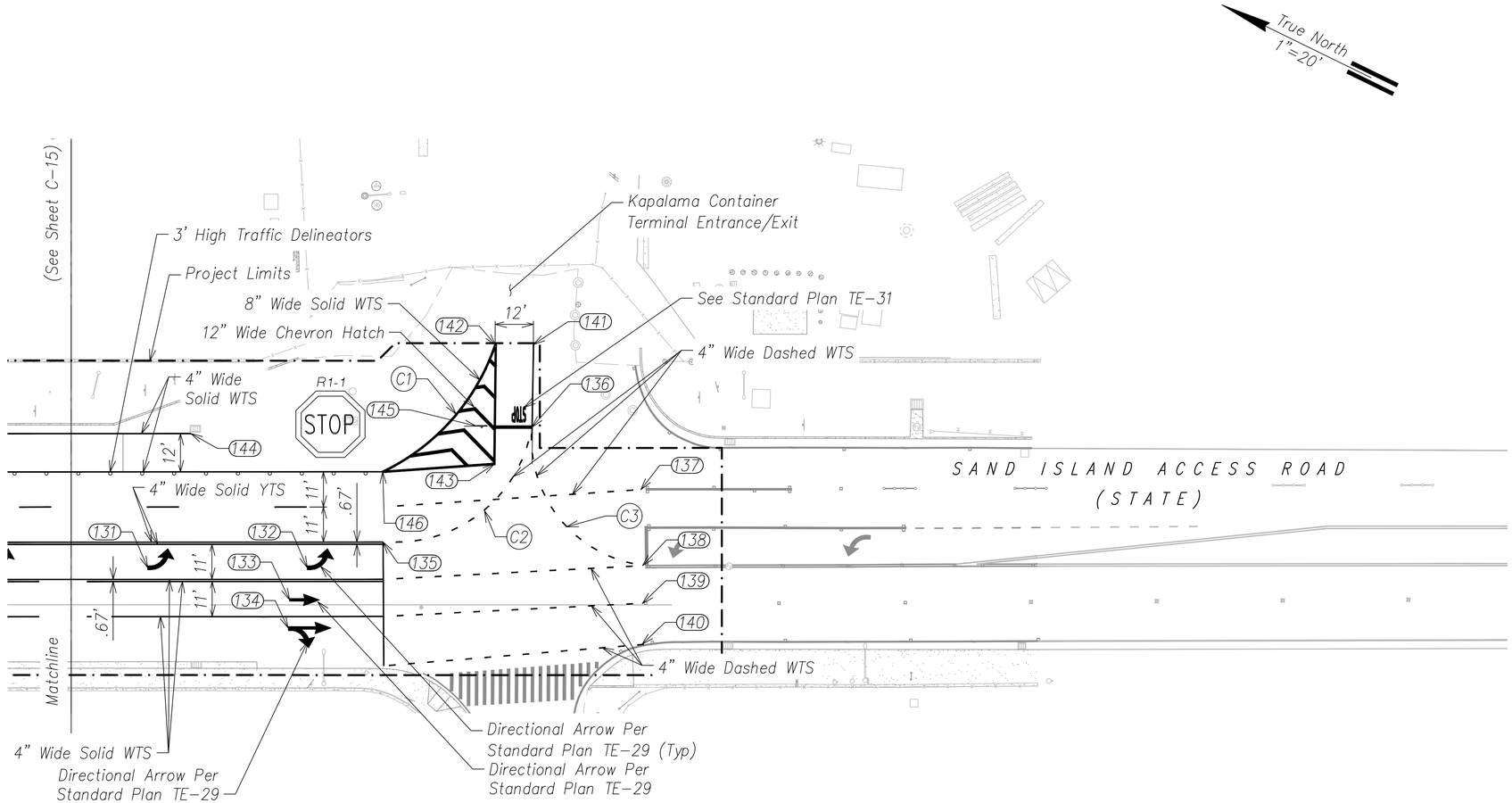
Scale: As Noted Date: July 2025

SHEET No. C-15 OF 54 SHEETS

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

PLOT DATE: 26-18-2025 @ 10:26 am
LAST UPDATE: 50-18-2025 @ 09:50 am
PATH/FILENAME: C:\planning\pwd\dms\HI\PDC-15 ACCESS ROAD STRIPING PLAN - 2.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	28	54



ACCESS ROAD STRIPING PLAN – 3
SCALE 1"=20'

(XX) Coordinate Table			
Point #	Northing	Easting	Description
131	54,571.37	1,678,108.20	Directional Arrow
132	54,526.45	1,678,130.16	Directional Arrow
133	54,527.00	1,678,118.69	Directional Arrow
134	54,523.59	1,678,110.58	Directional Arrow
135	54,508.62	1,678,147.83	4" Wide YTS
136	54,482.51	1,678,200.68	12" Wide WTS
137	54,443.29	1,678,198.05	4" Wide WTS
138	54,432.35	1,678,176.89	4" Wide WTS
139	54,427.19	1,678,166.19	4" Wide WTS
140	54,421.67	1,678,154.66	4" Wide WTS
141	54,493.48	1,678,224.12	4" Wide WTS
142	54,504.26	1,678,219.31	Cheveron Hatch
143	54,488.06	1,678,185.12	Cheveron Hatch
144	54,577.62	1,678,151.93	4" Wide WTS
145	54,496.71	1,678,193.73	Stop Sign
146	54,518.39	1,678,167.54	End Delineator

Legend:

- Project Limits
- (XX) Coordinate Point ID
- (CX) Curve Data ID

Abbreviations:

WTS	White Traffic Stripe
YTS	Yellow Traffic Stripe

Note:

1. SEE SHEET C-24 FOR LANE MAKER AND RESTRICTION ZONES DETAILS.

Curve Table					
Curve #	Length of Curve	Radius	Tangent	Length of Chord	Delta
C1	55.03'	68.00'	29.123	53.54	046° 22' 10"
C2	61.57'	43.00'	37.406	56.44	082° 02' 24"
C3	62.67'	40.00'	39.837	56.45	089° 46' 00"

Graphic Scale:
1" = 20'
20' 10' 0 20' 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ACCESS ROAD STRIPING PLAN - 3

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

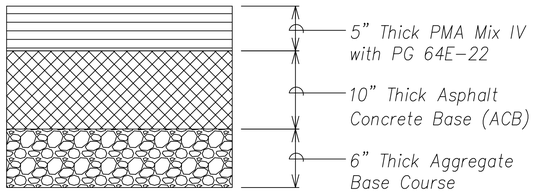
SHEET No. C-16 OF 54 SHEETS

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

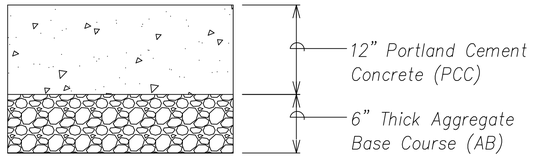
LAST UPDATE: 30-10-2025 @ 09:32 am PLOT DATE: 27-10-2025 @ 10:27 am
PW:\PW\DWG C:\Users\dy\Documents\Plots\C-16 ACCESS ROAD STRIPING PLAN - 3.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	29	54

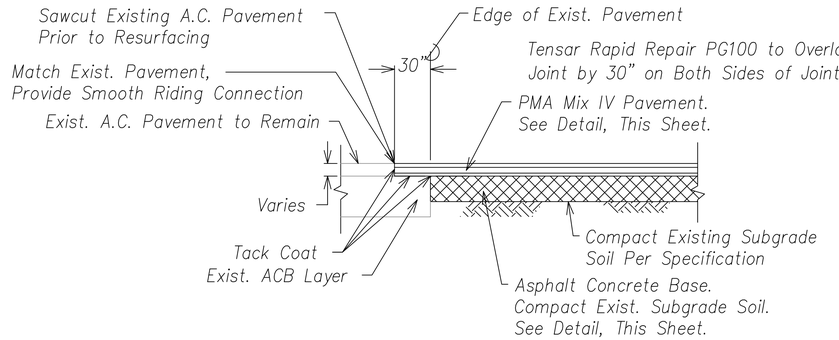
Tensar Rapid Repair PG100 at Connection to Existing Pavement



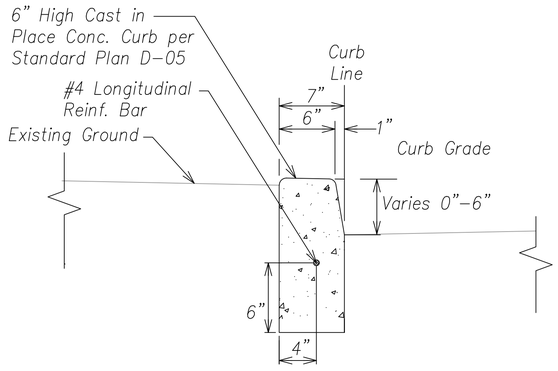
TYPICAL ASPHALT PAVEMENT SECTION 1
Scale: Not To Scale
C-9 | C-17 | C-10



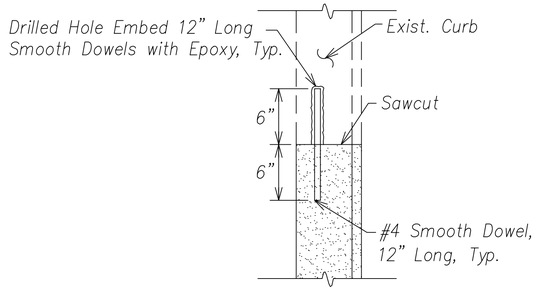
TYPICAL CONCRETE PAVEMENT SECTION 2
Scale: Not To Scale
C-10 | C-17 | C-11



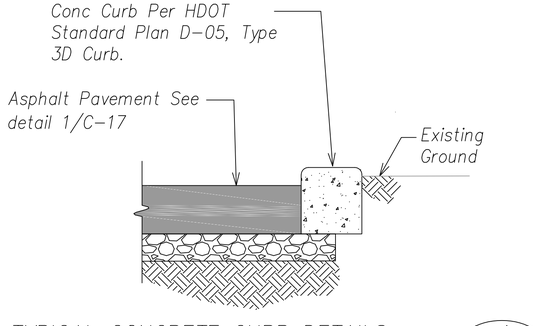
CONNECTION TO EXISTING PAVEMENT 3
Scale: Not To Scale
C-9 | C-17 | C-10



SECTION



PLAN VIEW



TYPICAL CONCRETE CURB DETAILS 4
Scale: Not To Scale
C-9 | C-17 | C-10

CONCRETE CURB RESTORATION DETAIL 5
Scale: Not To Scale
C-9 | C-17 | C-10

NOTE:
PAVEMENT SMOOTHNESS SHALL BE DETERMINED VIA STRAIGHTEDGE TESTING.

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

LAST UPDATED: 17-18-2025 @ 10:17 am PLOT DATE: 27-18-2025 @ 10:27 am
PW:\FILENAME: C:\planning\pwd\work\NH2025\C-17 MISCELLANEOUS DETAILS - 1.dgn

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

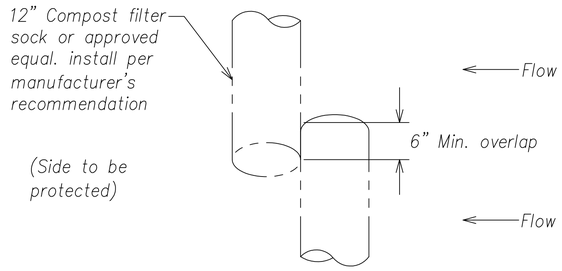
MISCELLANEOUS DETAILS - 1

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

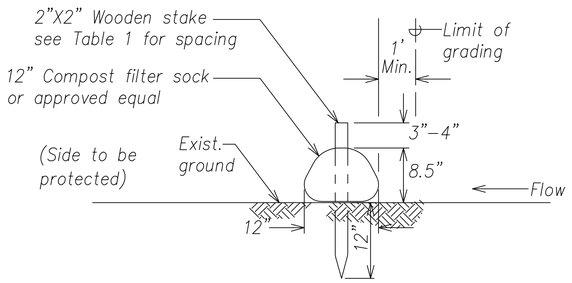
Scale: As Noted Date: July 2025

SHEET No. C-17 OF 54 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	30	54



PLAN



SECTION

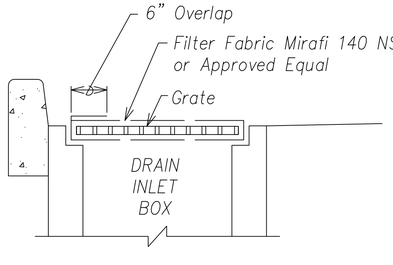
Table 1: Wooden stake anchor spacing

Slope	Anchor spacing
< 4:1	Not required
4:1 to 3:1	10' O.C.
> 3:1 to 2:1	5' to 10' O.C.
> 2:1	5' O.C.

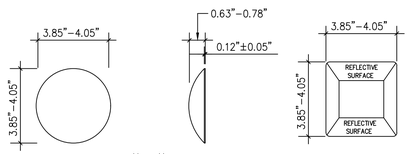
Notes:

1. Compost shall not contain biosolids and should be consistent with EPA guidelines as well as meet all local, state and federal quality requirements.
2. Contractor shall inspect compost filter socks and repair/replace as necessary.

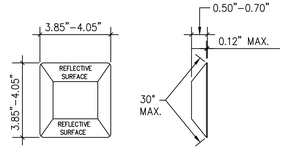
COMPOST FILTER SOCK DETAIL
Not to Scale



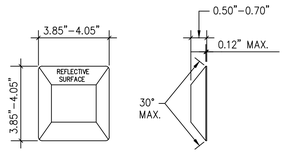
GRATE INLET PROTECTION
Not to Scale



TYPE "A"
NON-REFLECTIVE WHITE MARKER

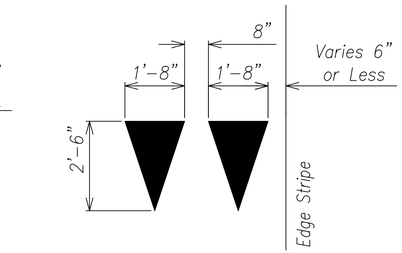


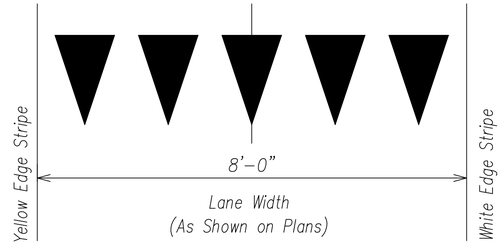
TYPE "C"
RED-CLEAR REFLECTIVE MARKER



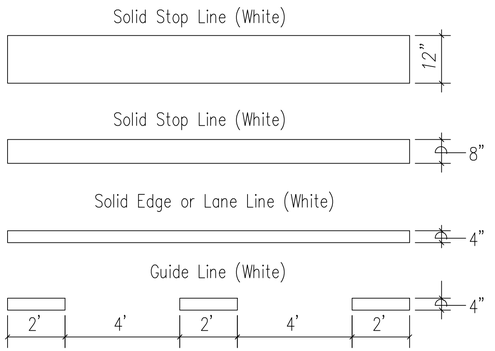
TYPE "H"
ONE-WAY YELLOW REFLECTIVE MARKER

STANDARD RAISED PAVEMENT MARKERS
Not to Scale



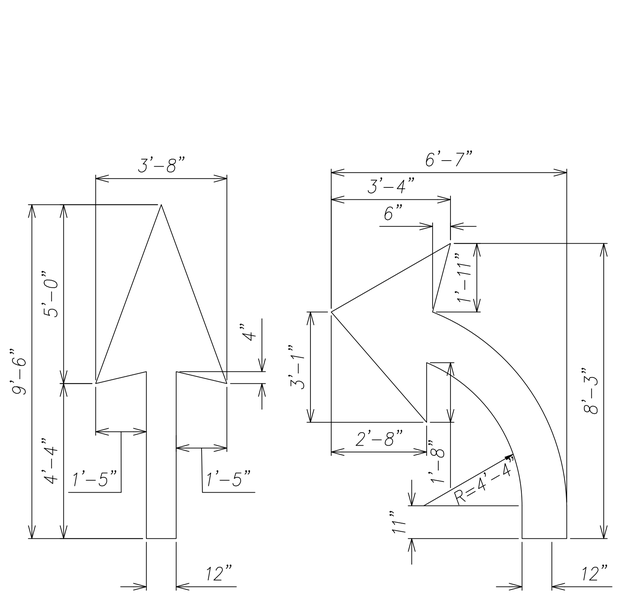


YIELD LINE
Not to Scale

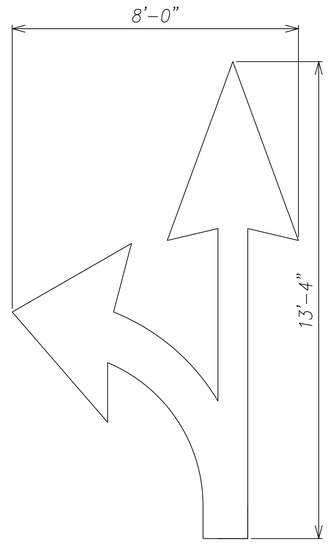


(All Pavement Markings Shall be Thermoplastic Extrusion)

TYPES OF LONGITUDINAL LINES
Not to Scale



PAVEMENT ARROWS
Not to Scale



DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 2

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

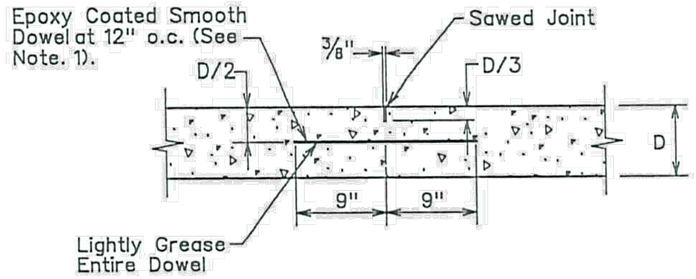
SHEET No. C-18 OF 54 SHEETS

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

LAST UPDATE: 15-10-2025 @ 10:15 am POST DATE: 27-10-2025 @ 10:27 am

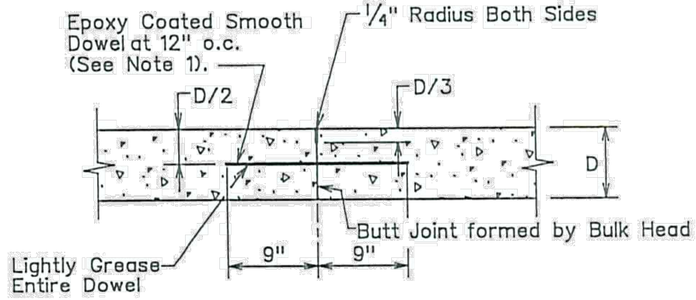
PATH/FILENAME: C:\pwworking\kodama\d0027\D0027_18 MISCELLANEOUS DETAILS - 2.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	31	54



TRANSVERSE CONTRACTION JOINT FOR PERPENDICULAR JOINTS (1 / C-10 | C-19)

Scale: Not To Scale

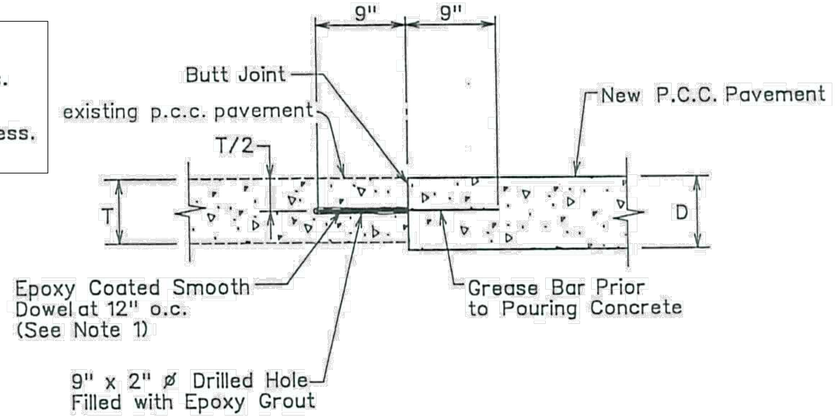


TRANSVERSE CONSTRUCTION JOINT (2 / C-10 | C-19)

Scale: Not To Scale

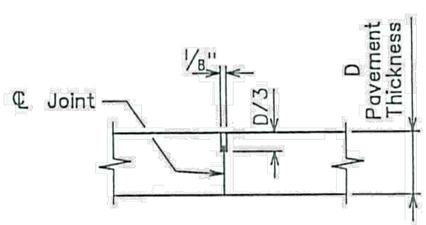
T - Existing P.C.C. pavement thickness.

D - New P.C.C. pavement thickness.



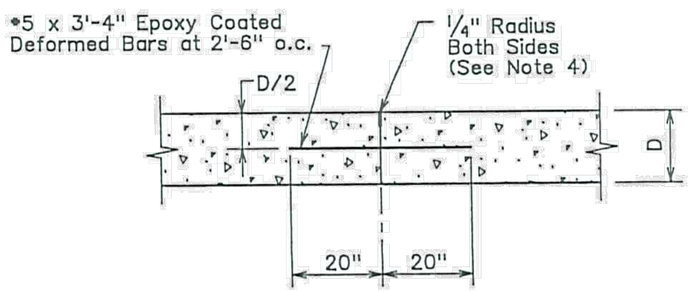
TRANSVERSE CONSTRUCTION JOINT AT EXISTIN P.C.C. PAVEMENT (3 / C-10 | C-19)

Scale: Not To Scale



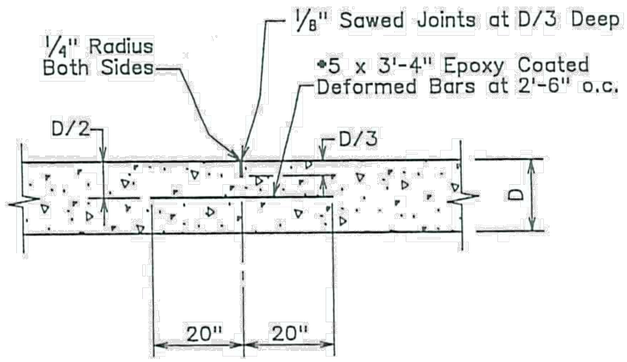
TRANSVERSE WEAKENED PLANE JOINT (4 / C-10 | C-19)

Scale: Not To Scale



LONGITUDINAL CONSTRUCTION JOINT (5 / C-10 | C-19)

Scale: Not To Scale



LONGITUDINAL CONTRACTION JOINT (6 / C-10 | C-19)

Scale: Not To Scale

TRANSVERSE JOINT NOTES:

1. 1. Epoxy Coated Dowels shall Conform to AASHTO M2B4. (ASTM A 775). For pavements with D<10", use 1-1/4" Dia. X 1'-6" long dowels. For pavements with D>10", use 1-1/2" Dia. X 1'-6" long dowels.
2. Transverse Construction Joints shall be located at a Minimum Distance of 10 Feet from the Nearest Transverse Contraction Joint. Joint shall be perpendicular to paving lane
3. It is critical that dowels be positioned in place parallel to the pavement surface and paving lane direction to avoid future cracks in the P.C.C. pavement. The ends of the dowels shall not deviate more than 0.01' from the parallel in 9" length.
4. See Typical Joint Location and Layout Plan for Transverse Joint Spacing
5. The Contractor shall not damage the epoxy coating on the dowel in any way during shipment, handling, or placement. Damaged epoxy coated dowels shall be replaced at no cost to the State.

LONGITUDE NOTES:

1. Epoxy Coated Deformed Bars shall Conform to AASHTO M 2B4M/M 284-03 and ASTM A 775/ A 775M-01.
2. Tiebars are to be located minimum distance of 18 inches from a Transverse Joint. Tiebars closer to the transverse Joint may interfere with Joint Movement.
3. The Contractor shall not damage the epoxy coating on the deformed bars in any way during shipment, handling, on placement. Damaged epoxy coating shall be repaired at no cost to the state.
4. If fresh portland cement concrete is poured adjacent to existing portland cement concrete joint does not need to be rounded to '/n" radius, as shown.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLAN D-21

P.C.C. LONGITUDINAL JOINT DETAILS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLAN D-19

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

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 3

SAND ISLAND ACCESS ROAD, TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. C-19 OF 54 SHEETS

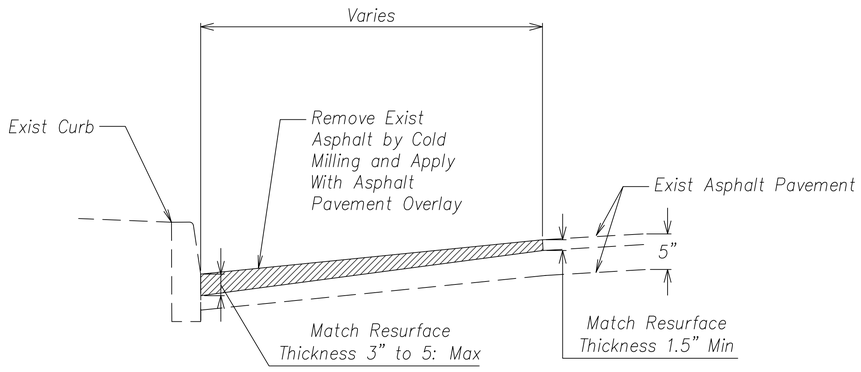
ORIGINAL PLAN | NOTE BOOK | No.

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

LAST UPDATE: 15-16-2025 @ 10:13 am PLOT DATE: 27-16-2025 @ 10:27 am

PATH/FILENAME: C:\powerproj\pwwd\hawaii\NSDC-19 MISCELLANEOUS DETAILS - 3.dgn

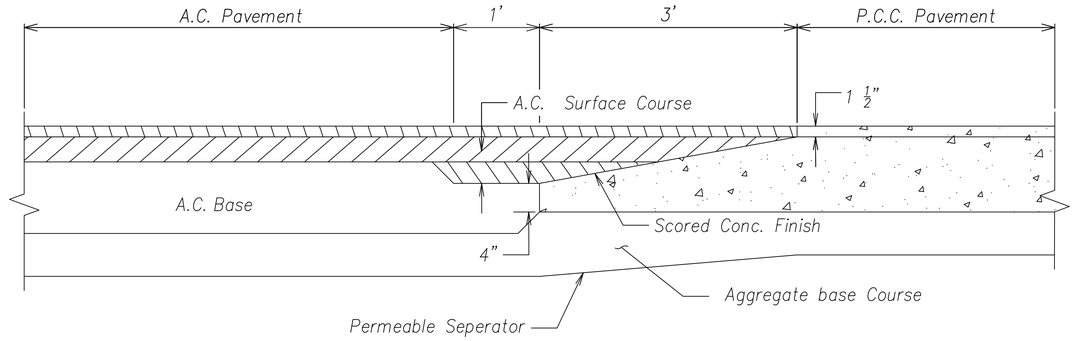
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	32	54



ASPHALT CONCRETE COLD MILLING DETAILS — 1

Scale: Not To Scale

C-9 | C-20 | C-10 | C-11



NOTE: This detail required on traffic and shoulder areas with >35 mph posted speed limits.

PCC-AC TRANSVERSE TRANSITION DETAIL — 3

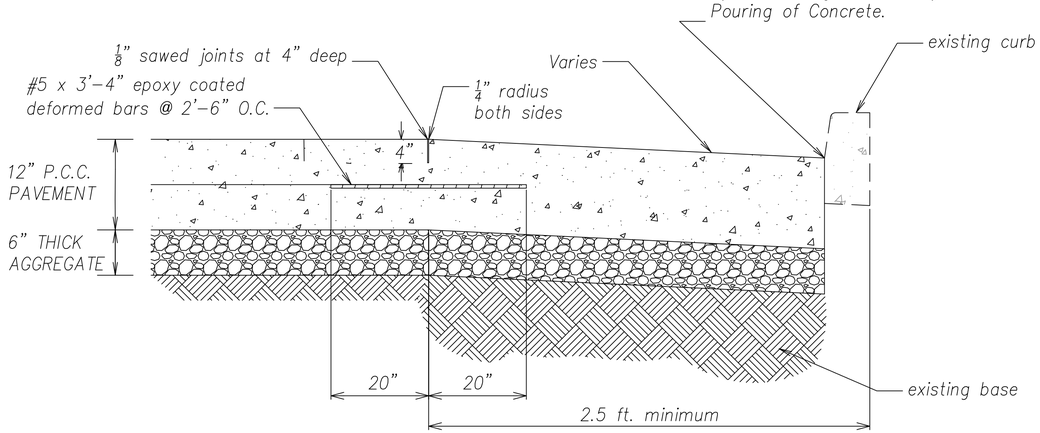
Scale: Not To Scale

C-10 | C-20 | C-11

Notes:

1. For transverse joints located in gutter, match transverse joint and skew of adjacent lane or shoulder.
2. Epoxy coated bars shall conform to AASHTO M284 (ASTM A 775).

Pour New P.C.C. Against Existing Curb. Remove Dust and Loose Material from Surface Before Pouring Concrete with 3000 PSI Hydro Blasting Immediately Before Pouring of Concrete.



P.C.C. LANE TO GUTTER CONNECTION — 4

Scale: Not To Scale

C-10 | C-20 | C-11

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 4

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

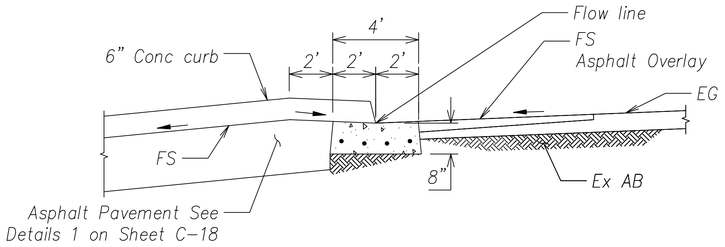
SHEET No. C-20 OF 54 SHEETS

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

LAST UPDATE: 12-18-2025 @ 10:31 am PLOT DATE: 27-18-2025 @ 10:27 am

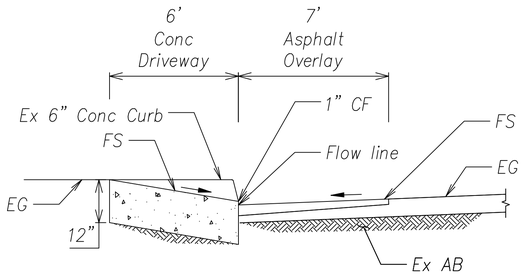
PATH/FILENAME: C:\planning\pend\HWY\C-20 MISCELLANEOUS DETAILS - 4.dgn

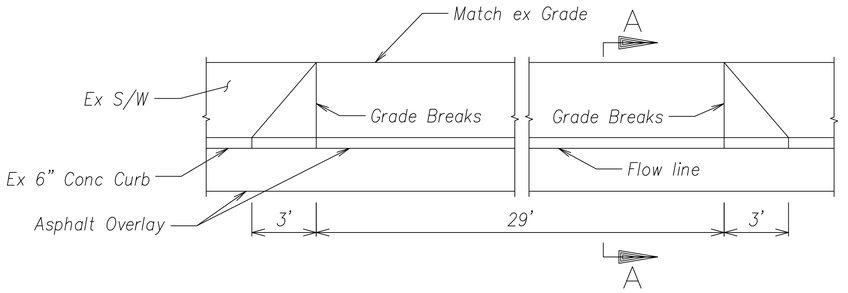
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	33	54



EXIT DRIVEWAY APPROACHES — 1 — C-9 | C-21

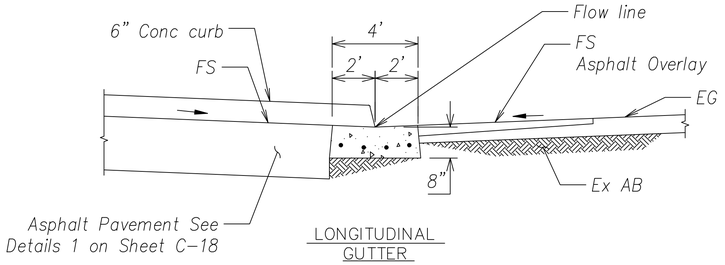
Scale: Not To Scale





RESTORE EXISTING DRIVEWAY — 3 — C-10 | C-21

Scale: Not To Scale



ENTRANCE DRIVEWAY APPROACHES — 2 — C-10 | C-21

Scale: Not To Scale

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 5

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

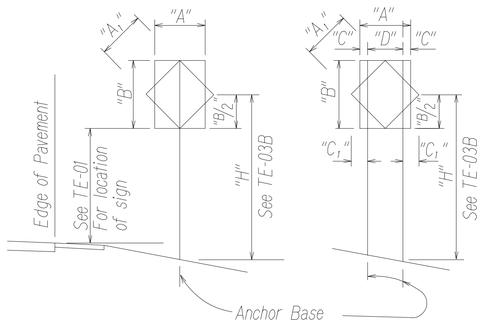
Scale: As Noted Date: July 2025

SHEET No. C-21 OF 54 SHEETS

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

LAST UPDATE: 09-16-2025 @ 10:08 am PLOT DATE: 27-16-2025 @ 10:27 am
PW:\PW\DWG C:\Users\kmj\Documents\R52\C-21 MISCELLANEOUS DETAILS - 5.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	34	54



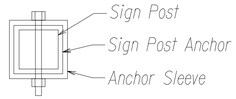
1 - POST
"A" or "A1" less than 36"

2 - POST
"A" or "A1" less than 60"

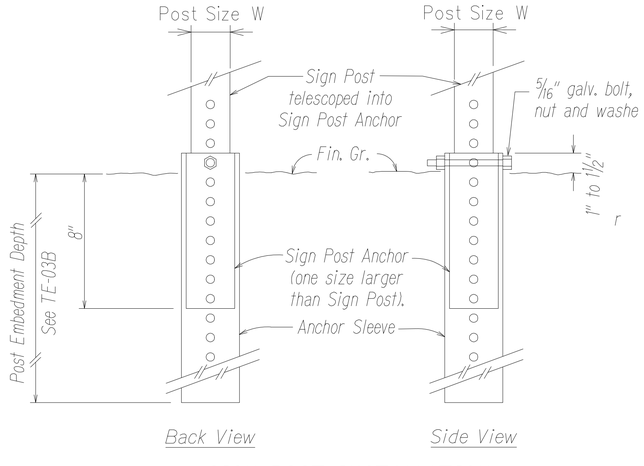
"A" or "A1"	"C"	"C1"
Less than 36"	6"	-
Greater than 36" and less than 48"	9"	19"
Greater than 48"	12"	24"

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

TYPICAL INSTALLATION



TOP VIEW



SIGN POST INSTALLATION

ANCHOR BASE DETAIL
Not to Scale

GENERAL NOTES

1. Design Specifications:
   (A) "Traffic Signal Supports and Foundations design shall conform with the AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1st Edition, with latest Interim Revisions and as modified by HDOT Memorandum with subject title, "Changes to Design Criteria for Bridges and Structures" (Letter No. HWY-DB 2.5098) dated January 8, 2018."
2. Loads:
   (A) Basic Wind Speed: 105 mph.
   (B) Recurrence Interval of 10 Years.
3. Materials:
   (A) Post shall conform to the Standard Specifications.
   (B) All connection bolts shall be AASHTO M164 bolts and anchor bolts shall be AASHTO M314-105 bolt.
   (C) Lap splice nuts and bolts shall be M180, with an ultimate tensile strength of 180 ksi, min.
   (D) Aluminum members and surfaces in contact with structural steel shall be isolated with neoprene material as approved by the Engineer.
4. General:
   (A) See General Notes on B-01, TE-01, and TE-03B for additional information.
   (B) All square tube posts shall be 12 gauge unless otherwise specified or shown on the plans.
   (C) Square tube posts shall be perforated with ⅜" ~ holes, 1" o.c., 4 sides, along entire length of post.
   (D) All accessories, fittings and stiffener details (as required) shall be submitted to the Engineer for approval 20 days prior to installation.
   (E) 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.
   (F) All sign support posts without break away anchor base 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.
   (G) The Contractor shall use templates while installing the anchor bolts. Anchor bolts shall be vertical.
   (H) Excavation and backfill shall be considered incidental to the cost of the sign foundation.

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 6

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

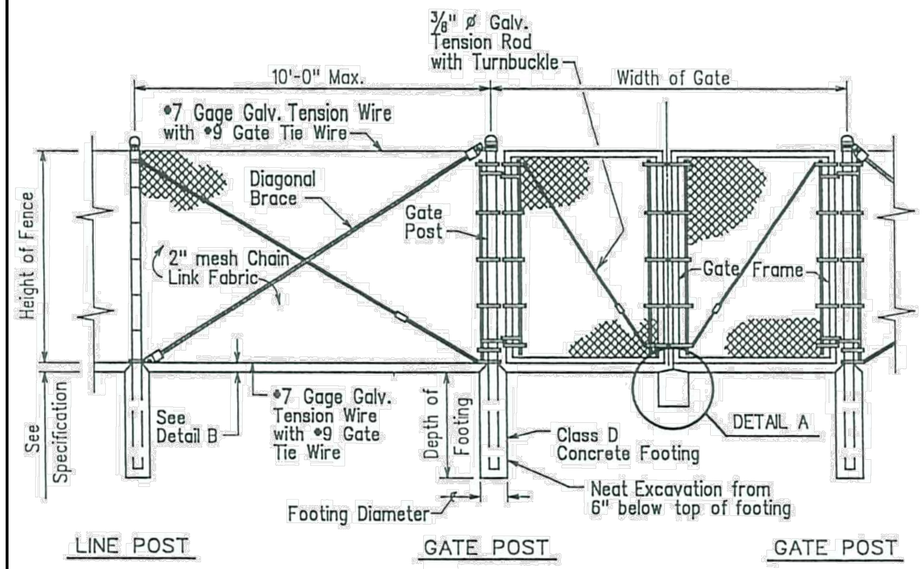
Scale: As Noted Date: July 2025

SHEET No. C-22 OF 54 SHEETS

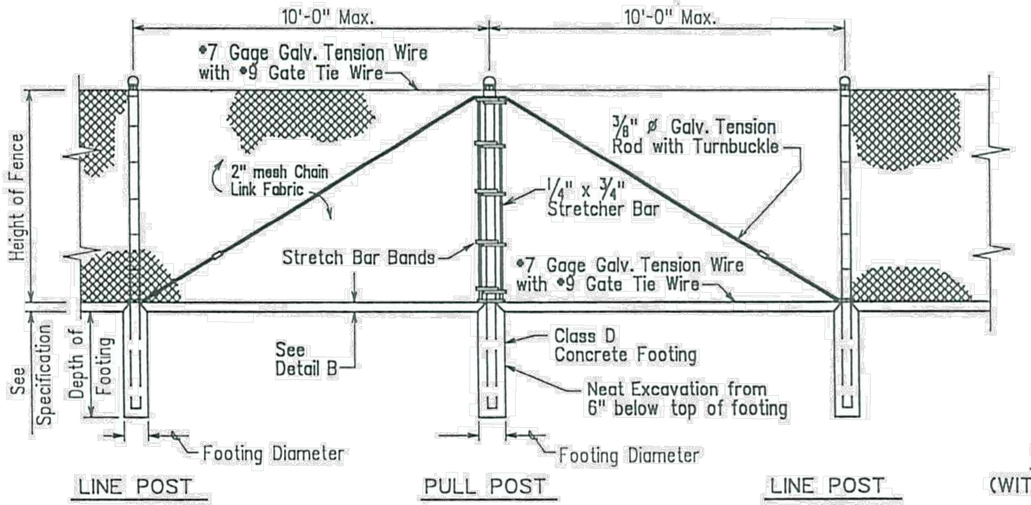
ORIGINAL PLAN
NOTE BOOK
No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

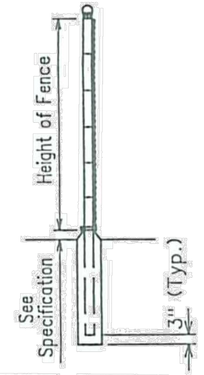
LAST UPDATE: 08-15-2025 @ 10:08 am PLOT DATE: 27-16-2025 @ 10:27 am
PATH:P:\DWG_C:\Users\dy\Local\Temp\AcPublish_6124\TE03C-22 MISCELLANEOUS DETAILS - 6.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	35	54

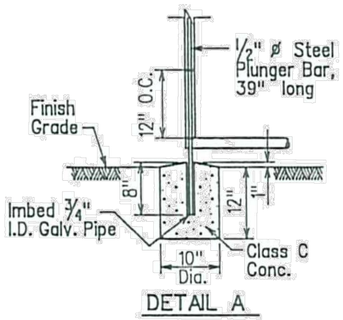


DETAIL OF CHAIN LINK GATE

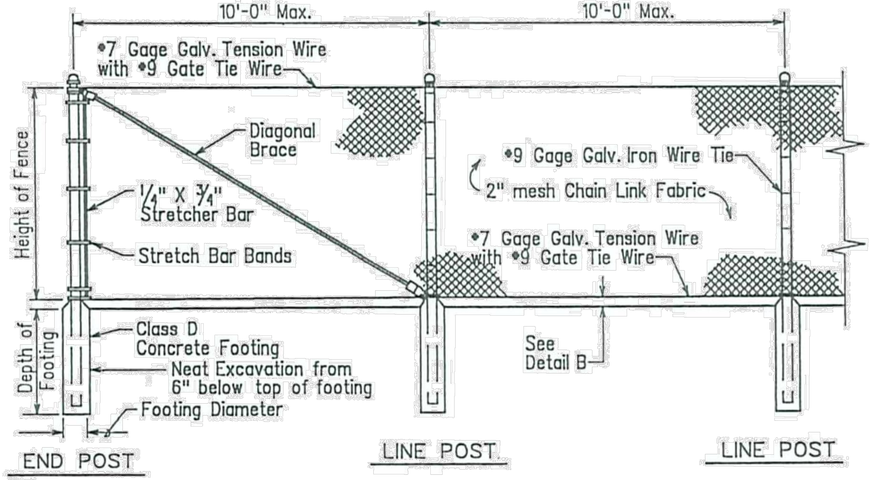


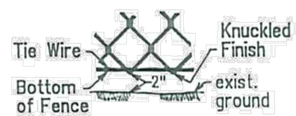


TYPICAL SECTION
(WITH CONCRETE FOOTING)



DETAIL A





DETAIL B

CHAIN LINK FENCE DETAILS

Notes:
1. See D-02 for additional notes, details and footing sizes.
2. Chain Link Fence without Toprail to be used within Clear Zone.
3. Drawings are not to scale.
4. See B-01 for additional notes.

CHAIN LINK FENCE DETAILS — Scale: Not To Scale

1
C-13 | C-23

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 7

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted — Date: July 2025

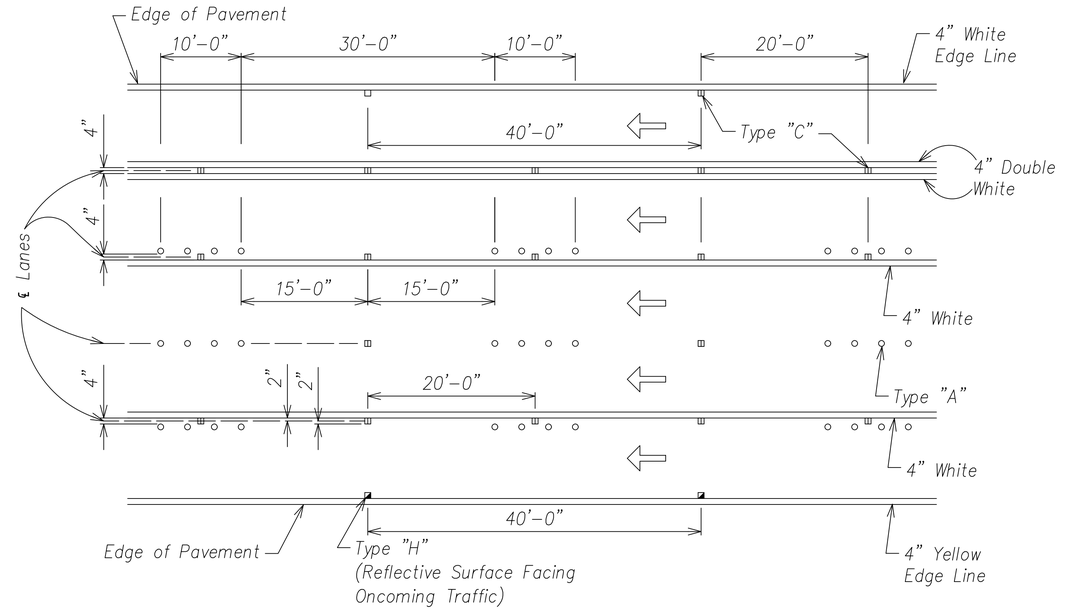
SHEET No. C-23 OF 54 SHEETS

ORIGINAL PLAN | NOTE BOOK | No. _____

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

LAST UPDATE: 09-18-2025 @ 10:09 am PLOT DATE: 27-18-2025 @ 10:12 am
PATH/FILENAME: C:\projects\projects\proj\FY2025\C-23 MISCELLANEOUS DETAILS - 7.dwg

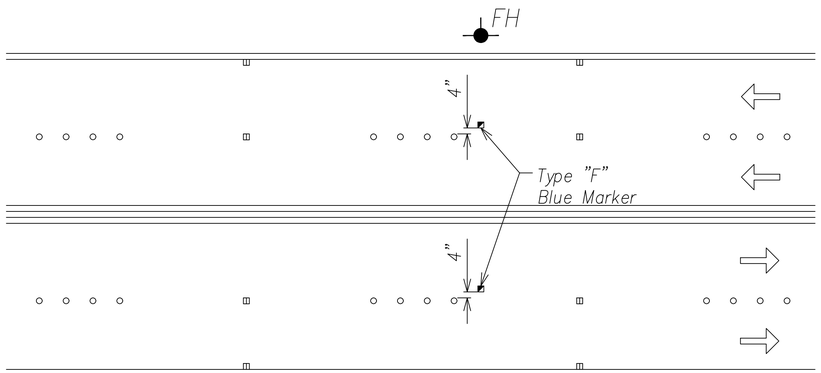
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	36	54



MULIT-LANE
LANE CHANGE RESTRICTION ZONES

Scale: Not To Scale

5
C-14 | C-24
C-15
C-16



FIRE HYDRANT MARKER LOCATION

Scale: Not To Scale

5
C-15 | C-24

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

LAST UPDATE: 10-16-2025 @ 10:10 am POST DATE: 27-16-2025 @ 10:27 am
PW:\PWDWE C:\Users\kmy\Documents\R2021\C-24 MISCELLANEOUS DETAILS - 8.dwg

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

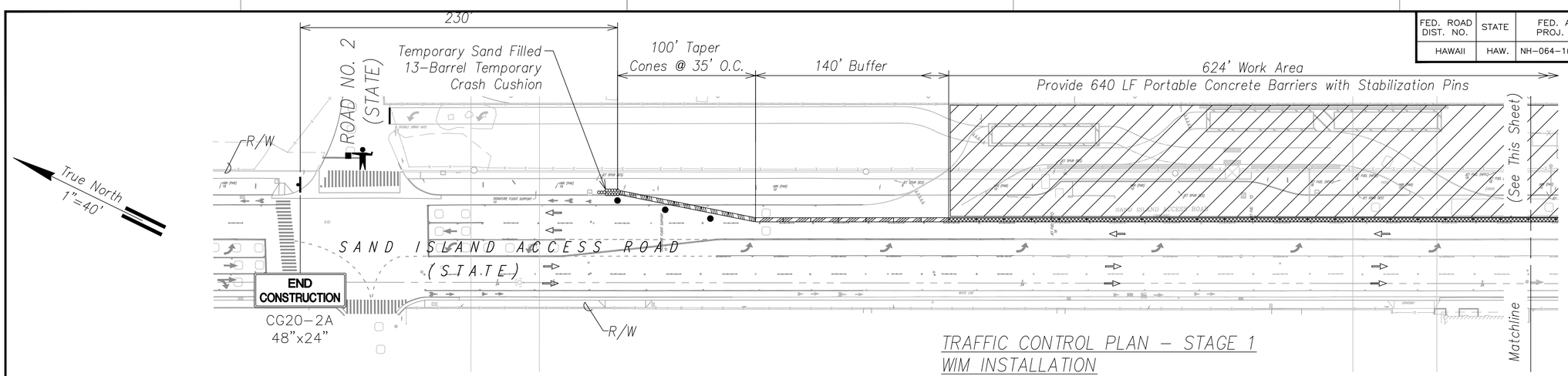
MISCELLANEOUS DETAILS - 8

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

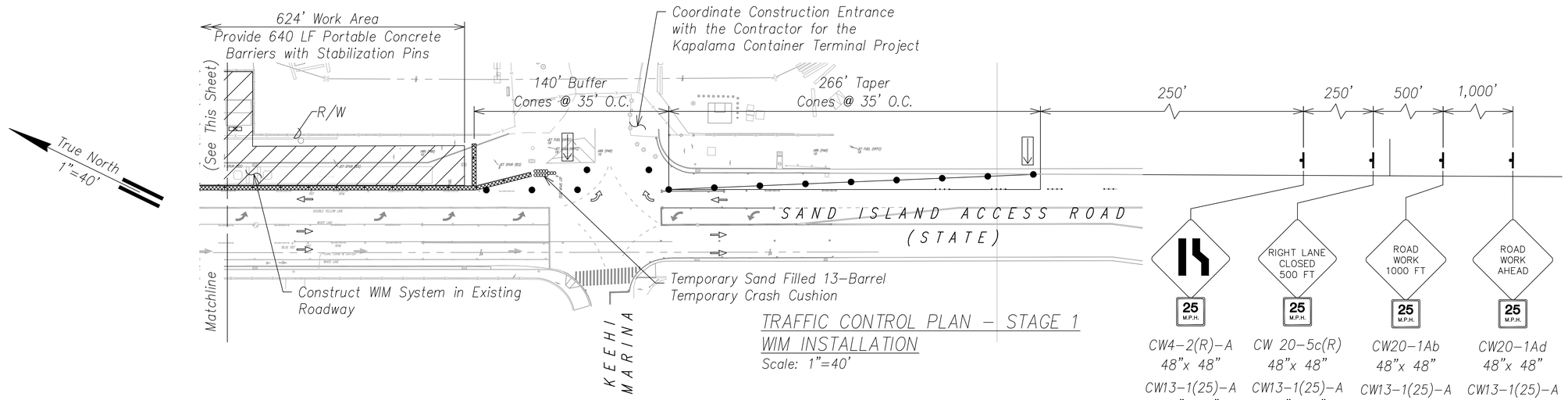
Scale: As Noted Date: July 2025

SHEET No. C-24 OF 54 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	37	54



TRAFFIC CONTROL PLAN – STAGE 1
WIM INSTALLATION
Scale: 1"=40'



TRAFFIC CONTROL PLAN – STAGE 1
WIM INSTALLATION
Scale: 1"=40'

CW4-2(R)-A 48"x 48"
CW13-1(25)-A 24"x 24"

CW 20-5c(R) 48"x 48"
CW13-1(25)-A 24"x 24"

CW20-1Ab 48"x 48"
CW13-1(25)-A 24"x 24"

CW20-1Ad 48"x 48"
CW13-1(25)-A 24"x 24"

Posted Speed Limit is 35 MPH

Legend:

- MASH Compliant Portable Concrete Barrier with Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- MASH Compliant Portable Concrete Barrier without Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- Cones at spacing shown on plan
- Arrow Board
- Sign
- Work Area
- Direction of Traffic Flow
- Temporary Crash Cushion

TABLE 645-L – FOR TRAFFIC CONTROL PLAN

POSTED SPEED LIMIT (M.P.H)	SIGN SPACING (D) (FEET)	TAPER LENGTH (T) (FEET)		LONGI-TUDINAL BUFFER SPACE (B) (FEET)	SPACING OF CONES OR DELINEATORS (FEET)		
		W=12' OR LESS	W=GREATER THAN 12'		TAPER	TANGENT	WORK AREA
20	250	200	W X 17	35	20	20	10
25	250	200	W X 17	55	25	25	10
30	250	250	W X 20	85	30	30	10
35	250	250	W X 20	120	35	35	10
40	500	350	W X 30	170	40	40	10
45	500	550	W X 45	220	45	45	10
50	1000	600	W X 50	280	50	50	10
55	1000	700	W X 55	335	55	55	10

W = width of lane or shoulder

Notes

1. Provide Temporary White Edge Line, Offset 6 Inches, along Channelized Areas.
2. Eradicate Exist. Temporary Striping upon Completion of Work.
3. Repair Holes in Pavement due to the Portable Concrete Barriers with Stabilization Pins.
4. See Temporary Steel Plate Bridging Notes, See Sheet C-9.

Graphic Scale:
1" = 40' (40' 20' 0 40' 80')

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN - 1

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

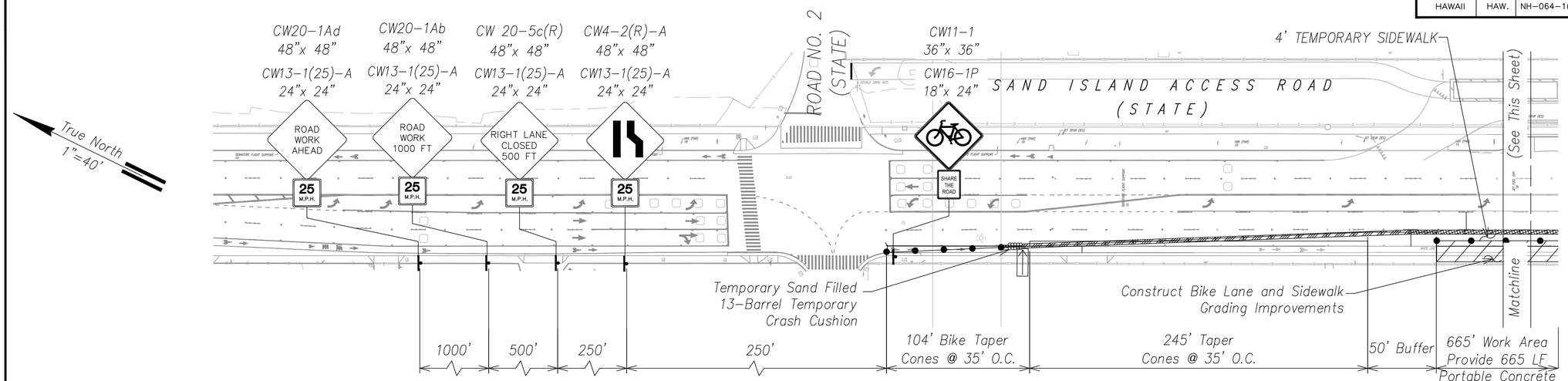
Scale: As Noted Date: July 2025

SHEET No. C-25 OF 54 SHEETS

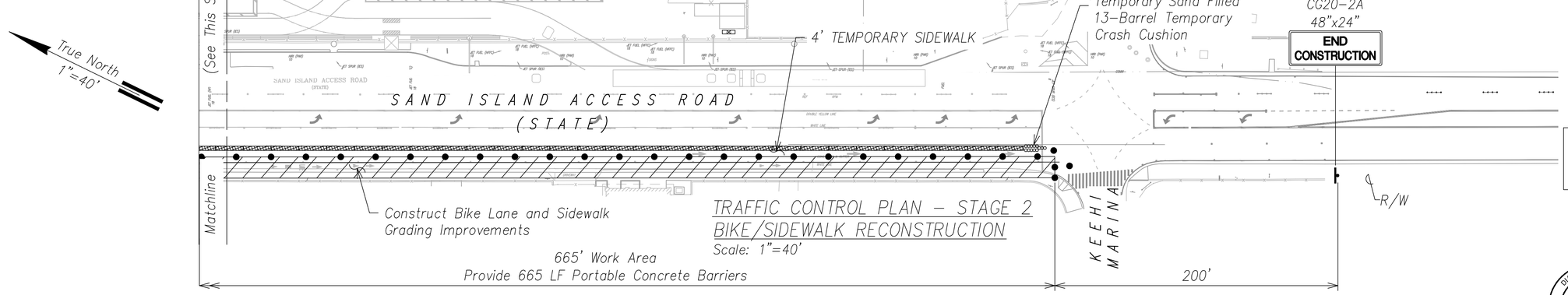
ORIGINAL PLAN
NOTE BOOK
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

LAST UPDATE: 10-18-2025 @ 10:10 am POST DATE: 29-10-2025 @ 10:28 am
PATH/FILENAME: C:\Users\mj\Desktop\Kamil\NH(010)-25 TRAFFIC CONTROL PLAN - 1.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	38	54



TRAFFIC CONTROL PLAN – STAGE 2
BIKE/SIDEWALK RECONSTRUCTION
Scale: 1"=40'



TRAFFIC CONTROL PLAN – STAGE 2
BIKE/SIDEWALK RECONSTRUCTION
Scale: 1"=40'

Legend:

- MASH Compliant Portable Concrete Barrier with Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- MASH Compliant Portable Concrete Barrier without Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- Cones at spacing shown on plan
- Arrow Board
- Sign
- Work Area
- Direction of Traffic Flow
- Temporary Crash Cushion

TABLE 645-L – FOR TRAFFIC CONTROL PLAN

POSTED SPEED LIMIT (M.P.H)	SIGN SPACING (D) (FEET)	TAPER LENGTH (T) (FEET)		LONGI-TUDINAL BUFFER SPACE (B) (FEET)	SPACING OF CONES OR DELINEATORS (FEET)		
		W=12' OR LESS	W=GREATER THAN 12'		TAPER	TANGENT	WORK AREA
20	250	200	W X 17	35	20	20	10
25	250	200	W X 17	55	25	25	10
30	250	250	W X 20	85	30	30	10
35	250	250	W X 20	120	35	35	10
40	500	350	W X 30	170	40	40	10
45	500	550	W X 45	220	45	45	10
50	1000	600	W X 50	280	50	50	10
55	1000	700	W X 55	335	55	55	10

W = width of lane or shoulder

Notes

1. Provide Temporary White Edge Line, Offset 6 Inches, along Channelized Areas.
2. Eradicate Exist. Temporary Striping upon Completion of Work.
3. Repair Holes in Pavement due to the Portable Concrete Barriers with Stabilization Pins.
4. See Temporary Steel Plate Bridging Notes, See Sheet G-9.

Graphic Scale:
40' 20' 0 40' 80'
1" = 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN - 2

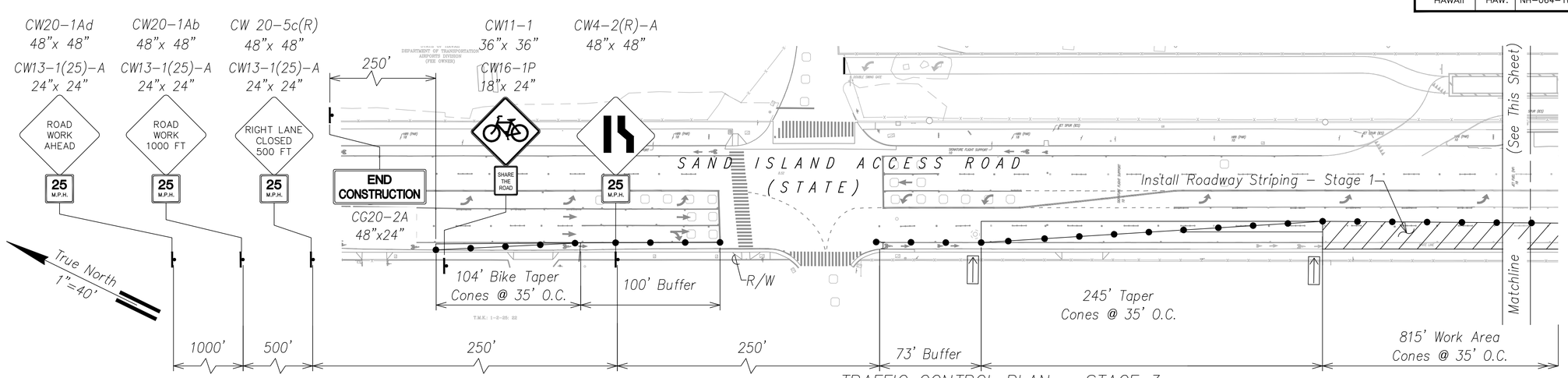
SAND ISLAND ACCESS ROAD, TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R
Scale: As Noted Date: July 2025

SHEET No. C-26 OF 54 SHEETS

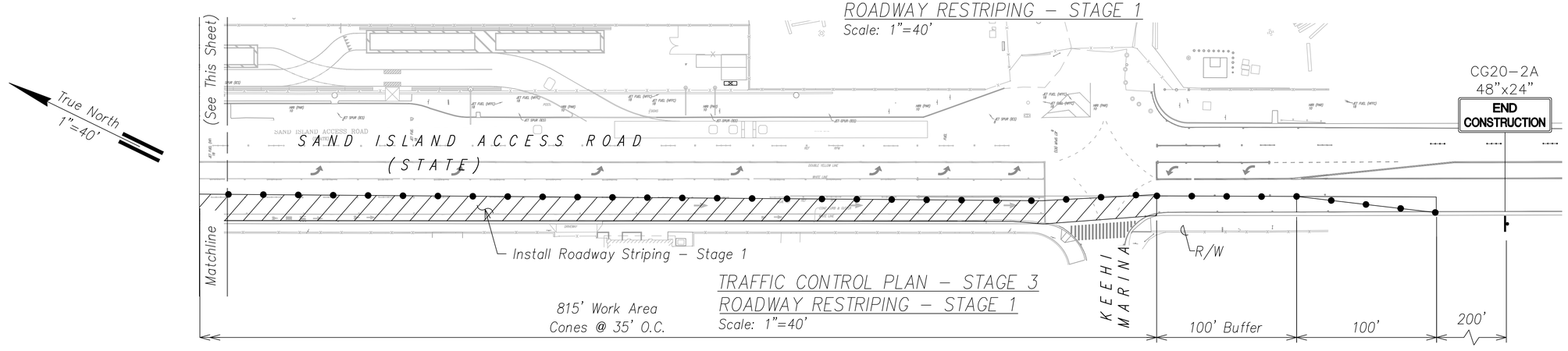
ORIGINAL PLAN | NOTE BOOK | No. | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE

PLOT DATE: 28-10-2025 @ 10:28 am
LAST UPDATED: 11-18-2025 @ 10:11 am
PATH/FILENAME: C:\planning\plans\Plans\TCP\2-CA TRAFFIC CONTROL PLAN - 2.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	39	54



TRAFFIC CONTROL PLAN - STAGE 3
ROADWAY RESTRIPING - STAGE 1
Scale: 1"=40'



TRAFFIC CONTROL PLAN - STAGE 3
ROADWAY RESTRIPING - STAGE 1
Scale: 1"=40'

Legend:

- MASH Compliant Portable Concrete Barrier with Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- MASH Compliant Portable Concrete Barrier without Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- Cones at spacing shown on plan
- Arrow Board
- Sign
- Work Area
- Direction of Traffic Flow
- Type 3 Barricade

TABLE 645-L - FOR TRAFFIC CONTROL PLAN

POSTED SPEED LIMIT (M.P.H)	SIGN SPACING (D) (FEET)	TAPER LENGTH (T) (FEET)		LONGITUDINAL BUFFER SPACE (B) (FEET)	SPACING OF CONES OR DELINEATORS (FEET)		
		W=12' OR LESS	W=GREATER THAN 12'		TAPER	TANGENT	WORK AREA
20	250	200	W X 17	35	20	20	10
25	250	200	W X 17	55	25	25	10
30	250	250	W X 20	85	30	30	10
35	250	250	W X 20	120	35	35	10
40	500	350	W X 30	170	40	40	10
45	500	550	W X 45	220	45	45	10
50	1000	600	W X 50	280	50	50	10
55	1000	700	W X 55	335	55	55	10

W = width of lane or shoulder

Notes

1. Provide Temporary White Edge Line, Offset 6 Inches, along Channelized Areas.
2. Eradicate Exist. Temporary Striping upon Completion of Work.
3. Repair Holes in Pavement due to the Portable Concrete Barriers with Stabilization Pins.
4. See Temporary Steel Plate Bridging Notes, See Sheet G-9.

Graphic Scale:
1" = 40' 40' 20' 0 40' 80'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN - 3

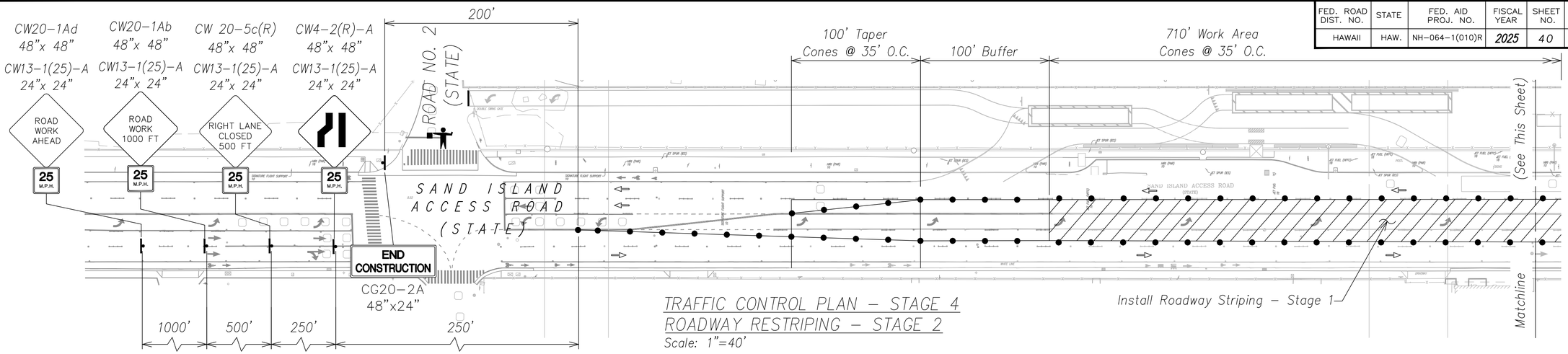
SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

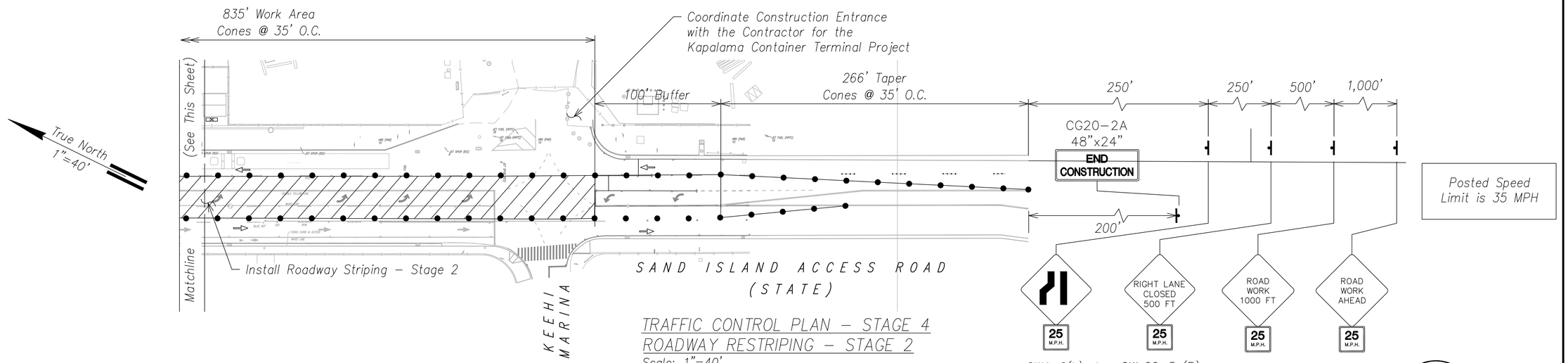
SHEET No. C-27 OF 54 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	40	54



TRAFFIC CONTROL PLAN - STAGE 4
ROADWAY RESTRIPING - STAGE 2
Scale: 1"=40'



TRAFFIC CONTROL PLAN - STAGE 4
ROADWAY RESTRIPING - STAGE 2
Scale: 1"=40'

Legend:

- MASH Compliant Portable Concrete Barrier with Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- MASH Compliant Portable Concrete Barrier without Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- Cones at spacing shown on plan
- Arrow Board
- Sign
- Work Area
- Direction of Traffic Flow

TABLE 645-L - FOR TRAFFIC CONTROL PLAN

POSTED SPEED LIMIT (M.P.H)	SIGN SPACING (D) (FEET)	TAPER LENGTH (T) (FEET)		LONGITUDINAL BUFFER SPACE (B) (FEET)	SPACING OF CONES OR DELINEATORS (FEET)		
		W=12' OR LESS	W=GREATER THAN 12'		TAPER	TANGENT	WORK AREA
20	250	200	W X 17	35	20	20	10
25	250	200	W X 17	55	25	25	10
30	250	250	W X 20	85	30	30	10
35	250	250	W X 20	120	35	35	10
40	500	350	W X 30	170	40	40	10
45	500	550	W X 45	220	45	45	10
50	1000	600	W X 50	280	50	50	10
55	1000	700	W X 55	335	55	55	10

W = width of lane or shoulder

Notes

1. Provide Temporary White Edge Line, Offset 6 Inches, along Channelized Areas.
2. Eradicate Exist. Temporary Striping upon Completion of Work.
3. Repair Holes in Pavement due to the Portable Concrete Barriers with Stabilization Pins.
4. See Temporary Steel Plate Bridging Notes, See Sheet G-9.

Graphic Scale:
40' 20' 0 40' 80'
1" = 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN - 4

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

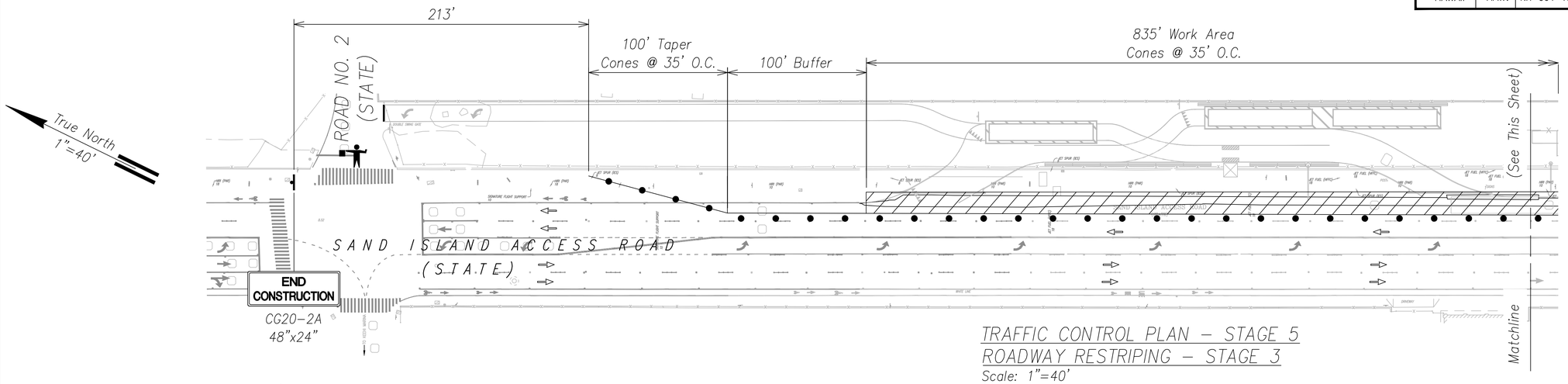
Scale: As Noted Date: July 2025

SHEET No. C-28 OF 54 SHEETS

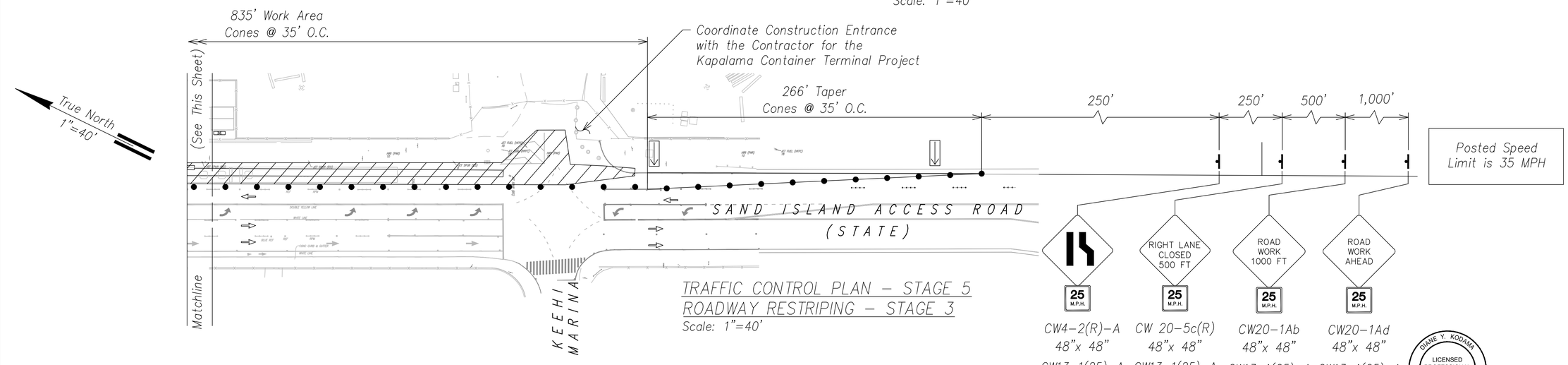
ORIGINAL PLAN
NOTE BOOK
No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

LAST UPDATE: 07-18-2025 @ 10:07 am PLOT DATE: 28-18-2025 @ 10:38 am
PATH/FILENAME: C:\Users\mdy\Users\Desktop\TRAFFIC CONTROL PLAN - 1.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	41	54



TRAFFIC CONTROL PLAN – STAGE 5
ROADWAY RESTRIPING – STAGE 3
Scale: 1"=40'



TRAFFIC CONTROL PLAN – STAGE 5
ROADWAY RESTRIPING – STAGE 3
Scale: 1"=40'

Legend:

- MASH Compliant Portable Concrete Barrier with Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- MASH Compliant Portable Concrete Barrier without Stabilization Pins. See Standard Plan TE-42 and TE-43 (Similar)
- Cones at spacing shown on plan
- Arrow Board
- Sign
- Work Area
- Direction of Traffic Flow

TABLE 645-L – FOR TRAFFIC CONTROL PLAN

POSTED SPEED LIMIT (M.P.H)	SIGN SPACING (D) (FEET)	TAPER LENGTH (T) (FEET)		LONGITUDINAL BUFFER SPACE (B) (FEET)	SPACING OF CONES OR DELINEATORS (FEET)		
		W=12' OR LESS	W=GREATER THAN 12'		TAPER	TANGENT	WORK AREA
20	250	200	W X 17	35	20	20	10
25	250	200	W X 17	55	25	25	10
30	250	250	W X 20	85	30	30	10
35	250	250	W X 20	120	35	35	10
40	500	350	W X 30	170	40	40	10
45	500	550	W X 45	220	45	45	10
50	1000	600	W X 50	280	50	50	10
55	1000	700	W X 55	335	55	55	10

W = width of lane or shoulder

Notes

1. Provide Temporary White Edge Line, Offset 6 Inches, along Channelized Areas.
2. Eradicate Exist. Temporary Striping upon Completion of Work.
3. Repair Holes in Pavement due to the Portable Concrete Barriers with Stabilization Pins.
4. See Temporary Steel Plate Bridging Notes, See Sheet G-9.

Graphic Scale:
40' 20' 0 40' 80'
1" = 40'

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN - 5

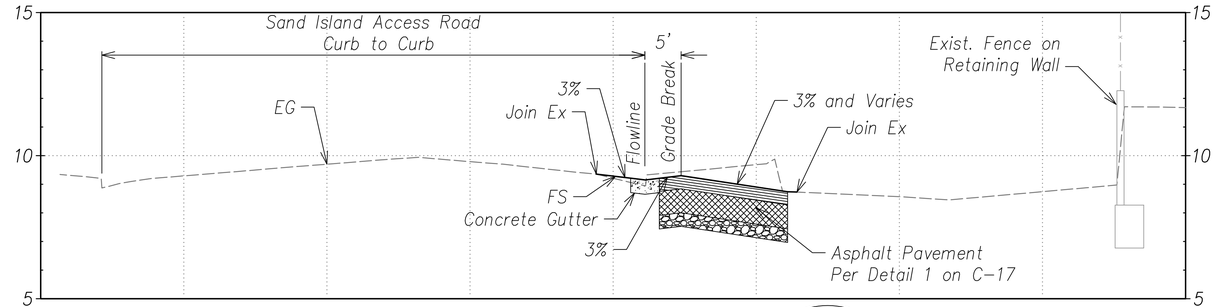
SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R
Scale: As Noted Date: July 2025

SHEET No. C-29 OF 54 SHEETS

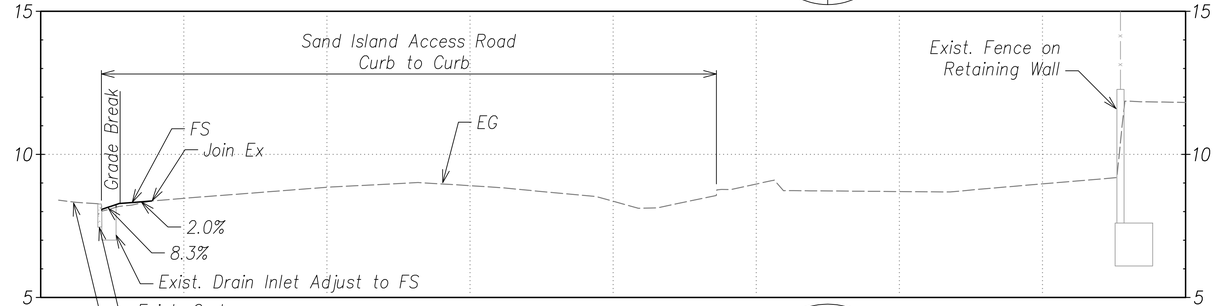
ORIGINAL PLAN | NOTE BOOK | No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

LAST UPDATED: 12-18-2025 @ 10:12 am PLOT DATE: 28-18-2025 @ 10:38 am
PATH/FILENAME: C:\pwworking\pwwd\hnl\d0762\G-29 TRAFFIC CONTROL PLAN - 5.dwg

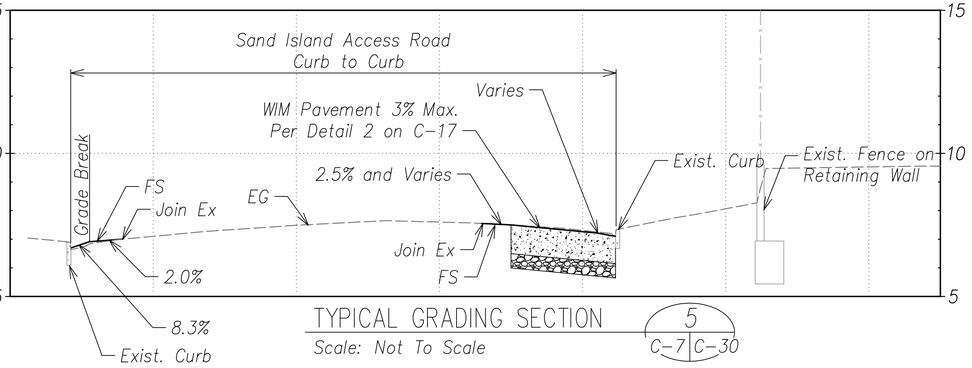
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	42	54



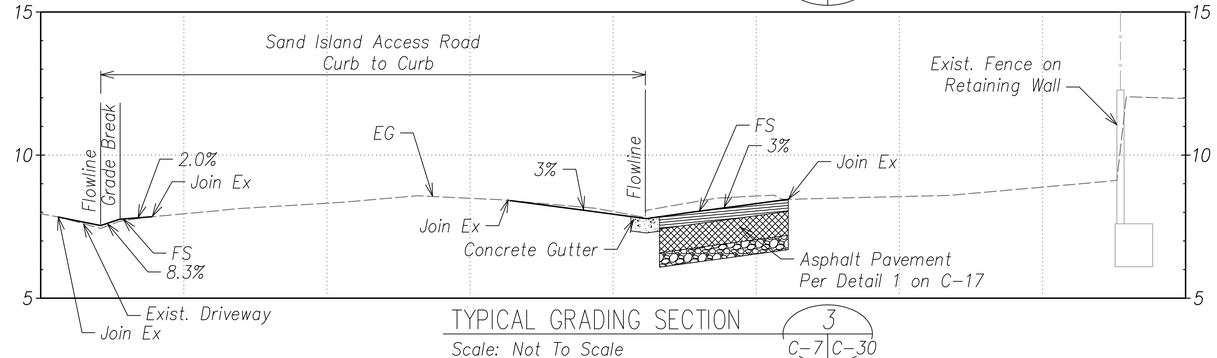
TYPICAL GRADING SECTION 1
Scale: Not To Scale
C-6 | C-30



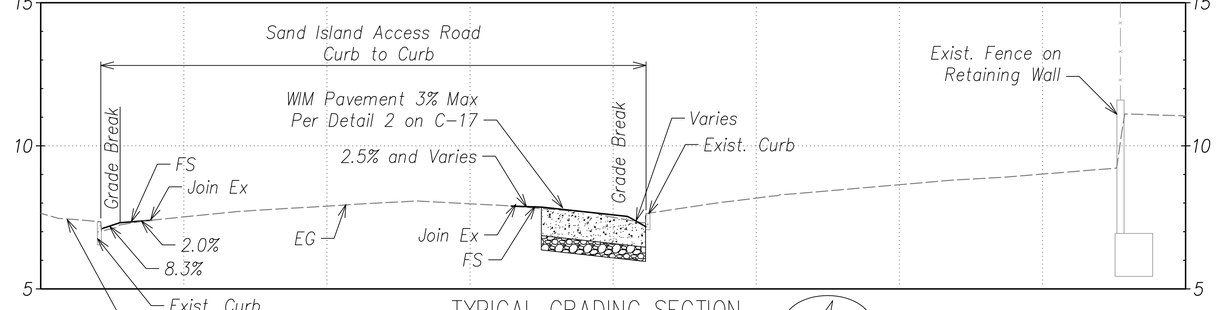
TYPICAL GRADING SECTION 2
Scale: Not To Scale
C-7 | C-30



TYPICAL GRADING SECTION 5
Scale: Not To Scale
C-7 | C-30



TYPICAL GRADING SECTION 3
Scale: Not To Scale
C-7 | C-30



TYPICAL GRADING SECTION 4
Scale: Not To Scale
C-7 | C-30

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

LAST UPDATE: 10-16-2025 @ 10:19 am PLOT DATE: 29-10-2025 @ 10:39 am
PATH/FILENAME: C:\Users\mdy\Users\Desktop\TRSCO_02 DRAWING SECTIONS.dwg

DIANE Y. KODAMA
LICENSED PROFESSIONAL ENGINEER
No. 8688-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/26

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING SECTIONS

SAND ISLAND ACCESS ROAD,
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. C-30 OF 54 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)	2025	43	54

ELECTRICAL SYMBOL LIST

Symbol		Description
Existing	New	
		HIghway Lighting Luminaire and Bracket Arm Mounted To Wood Pole
— e — - —		Underground Ductline
—eOH/_—		Overhead Lines (P/S/Y/V/SL) P=Primary S=Secondary T=Telephone V=CATV SL=Roadway Lighting
		Conduit Stub, 1" Minimum Conduit Unless Otherwise Noted
		Communications Pullbox, Traffic Rated, See Structural Drawings
		Secondary Power Pullbox, Traffic Rated, See Structural Drawings
	1	Duct Indicator, See 1 / E-4
	1	Note Indicator
	1 / E-2	Detail Indicator: Top Half Denotes Detail Number, Bottom Half Denotes Sheet Number

ABBREVIATIONS LIST

A	Ampere
ANSI	American Standards Transforming Markets
ASTM	American National Standards Institute
Approx.	Approximately
CLSM	Controlled Low-Strength Material
Comm	Communications
HECO	Hawaiian Electric Company
HT	Hawaiian Telcom
Gnd	Ground
GRS	Galvanized Rigid Steel
KVA	Kilo-Volt Ampere
LCS	Lane Control Sign
Min	Minimum
NEC	National Electrical Code
OSHA	Occupational Safety and Health Administration
OVC	Overview Camera
PFB	Provision For Future Breaker
PSI	Pounds Per Square Inch
PVC	Polyvinyl Chloride
TIA	Telecommunications Industry Association
V	Volt
WIM	Weigh-In-Motion

GENERAL ELECTRICAL NOTES:

1. All Work Shall Comply With The Latest Editions Of The National Electrical Code and National Electrical Safety Code. Construction Practices Shall Conform To The Latest Edition Of American Electricians' Handbook By Croft, And Applicable Instructions Of Manufacturers Of Equipment And Material Supplied For This Project.

2. The Drawings Do Not Reflect All The Existing Conditions That May Be Encountered During Construction. Visit The Project Site And Become Familiar With The Existing Conditions, The Extent Of Any Demolition, Relocation, Reconnection, And The New Work Prior To The Start Of On-Site Construction Activities. Report Any Discrepancies And/Or Differences Between The Existing Conditions And The Construction Documents To The State. Resolve All Discrepancies And Questions Prior To The Start Of Work. Bid Submission Shall Be Considered As Evidence That The Contractor Has Visited The Site And Resolved All Discrepancies And Questions And No Extra Payment Will Be Authorized For Work Required By The Contractor's Failure To Do So.

3. The Contractor Agrees That He Shall Assume Sole And Complete Responsibility For The Job Site Conditions During The Course Of Construction Of This Project, Including The Safety Of All Persons And Property; That This Requirement Shall Apply Continuosly And Not Be Limited To Normal Working Hours.

4. Work Incidental To The Contract And Necessary To Complete The Project, Although Not Specifically Referred To In The Contract Documents, Shall Be Furnished And Performed By The Contractor At No Additional Cost To The Project.

5. The Location Of All Electrical Apparatus And Devices Are Approximate And Before Installing, Study The Architectural, Structural, And Mechanical Details And Make Installation In The Most Logical Manner. Any Piece Of Equipment/Device May Be Relocated Within 10' Before Installation At The Direction Of The State Without Additional Charge To The Project.

6. Should Project Conditions Require Rearrangement Of The Project's Work, The Contractor Shall Mark Such Changes On The As-Built Drawings. If These Changes Require An Alternate Method To Those Specified In The Contract Documents, The Contractor Shall Submit Drawings To Reflect The Proposed Alternate Methods To The State For Review And Approval. The Contractor Shall Not Proceed Until Approval Is Obtained. Rearrangement Of Work For The Purpose Of Coordination Shall Not Be Considered An Item For Extra Cost.

7. Maintain Continuity Of All Circuits That Pass Through The Project Limits And Serve Other Areas Or Equipment Indicated To Remain. Provide New Junction Boxes, Conduits & Wiring, And The Labor Required To Facilitate Said Continuity. Boxes, Conduits And Wiring Shall Be In Accordance With The NEC.

8. Provide Nylon Pullstring In All Empty Conduits.

9. The Communications Raceway System Installation Shall Comply With TIA-569-E Unless Otherwise Noted.

10. Conduit Bodies Shall Not Be Permitted In The Communications Raceway Systems.

MICHELE N. ADOLPHO
LICENSED PROFESSIONAL ENGINEER
No. 10017-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APRIL 30, 2026
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL SYMBOL LIST,
ELECTRICAL NOTES

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Project No. NH-064-1(010)

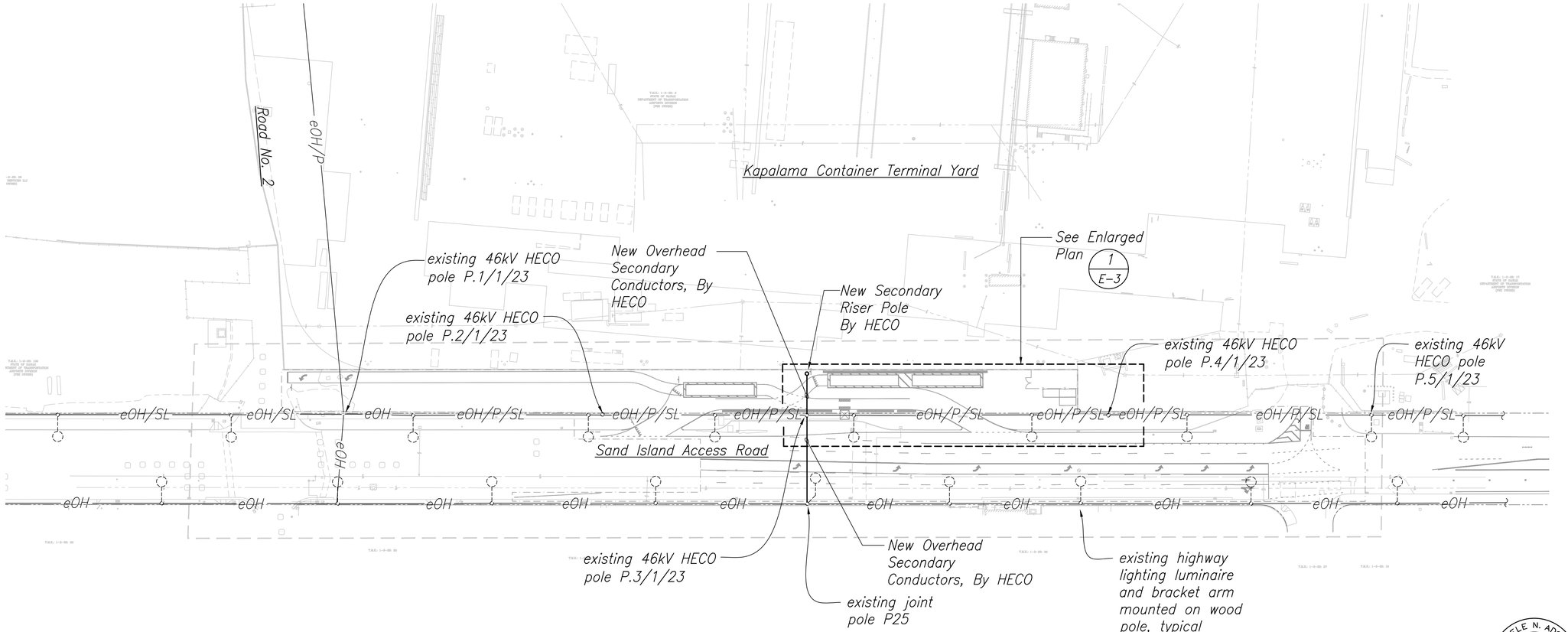
Scale: As Noted Date: July 2025

SHEET No. E-1 OF 54 SHEETS

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

LAST UPDATE: 5a-17-2025 @ 6:56:5 pm PLOT DATE: 5a-17-2025 @ 6:56:6 pm
PATH/FILENAME: P:\Hwn\25dwn\25003 Temporary Sand Island Weigh Station\03 SHEETS\25003_E01_E01.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)	2025	44	54



1 / E-2 ELECTRICAL SITE PLAN
Scale: 1" = 60'

GRAPHIC SCALE

60' 30' 0' 60' 120' 180' 240'

1" = 60'

MICHELE N. ADOLPHO
LICENSED PROFESSIONAL ENGINEER
No. 10017-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APRIL 30, 2026
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL SITE PLAN

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Project No. NH-064-1(010)

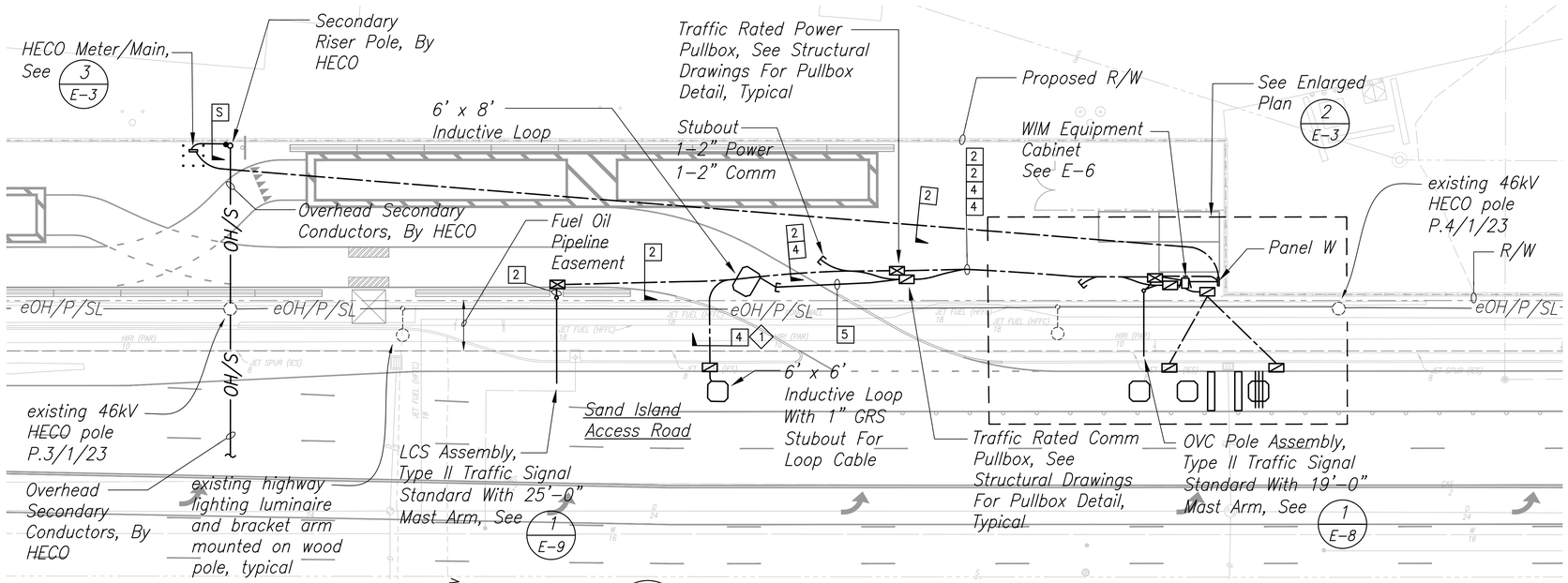
Scale: As Noted Date: July 2025

SHEET No. E-2 OF 54 SHEETS

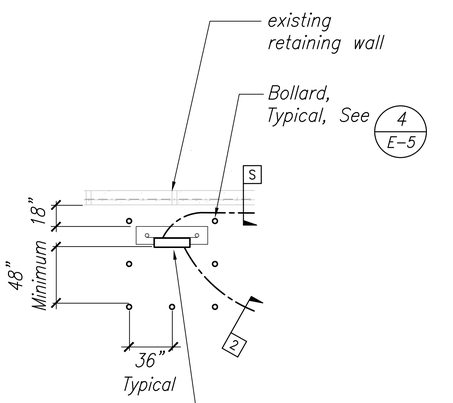
ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

LAST UPDATE: 5/-17-2025 @ 9h55 pm PLOT DATE: 5/-17-2025 @ 9h56 pm
PATH/FILENAME: P:\Work\25\work\256633 Temporary Sand Island Weigh Station\03 SHEETS\256633_E02.DGN

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)	2025	45	54



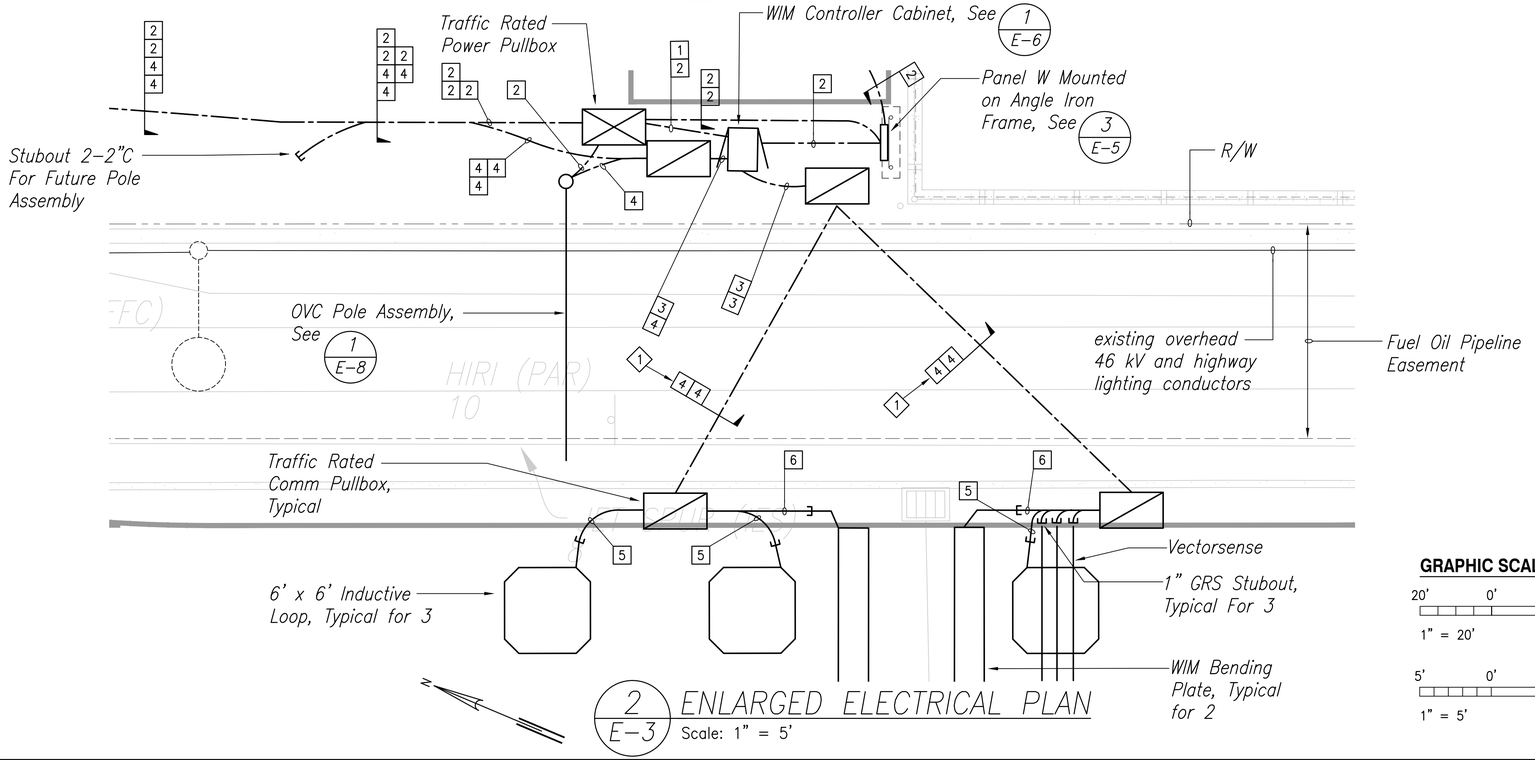
1/E-3 WIM EQUIPMENT ELECTRICAL PLAN
Scale: 1" = 20'



3/E-3 HECO METER/MAIN PLAN
Scale: 1" = 5'

NOTE:

1 Ductline crossing at fuel oil pipeline easement. See 4/E-4



2/E-3 ENLARGED ELECTRICAL PLAN
Scale: 1" = 5'

GRAPHIC SCALE

20' 0' 20' 40' 60' 80'
1" = 20'

5' 0' 5' 10' 15' 20'
1" = 5'

MICHELE N. ADOLPHO
LICENSED PROFESSIONAL ENGINEER
No. 10017-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APRIL 30, 2026
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WIM EQUIPMENT ELECTRICAL PLAN

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Project No. NH-064-1(010)

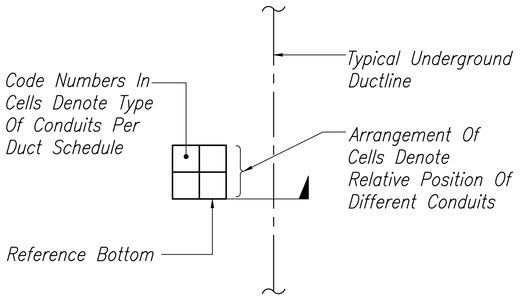
Scale: As Noted Date: July 2025

SHEET No. E-3 OF 54 SHEETS

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

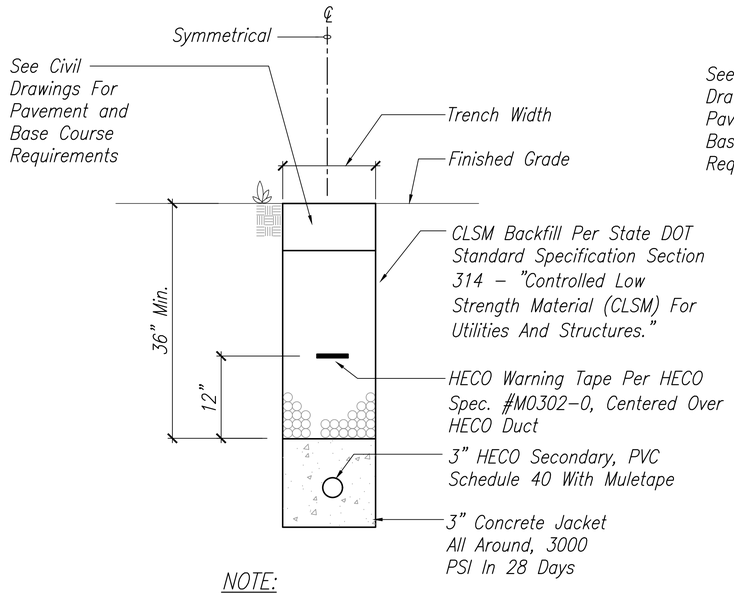
LAST UPDATE: 04-17-2025 @ 08:56 pm PLOT DATE: 04-17-2025 @ 09:06 pm
PWN/PLOTNAME: P:\hm12\oahu\208303 Temporary Sand Island Weigh Station\100 PWCS\208303_E03_002.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)	2025	46	54



(Note: All Ductlines Are Concrete Encased)

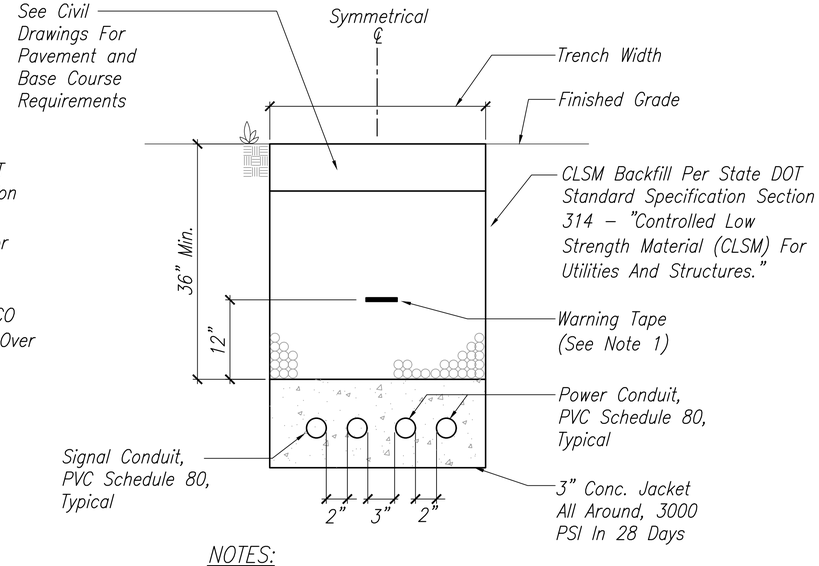
1 / E-4 DUCT FLAG CODE
No Scale



NOTE:

All Conduits In Concrete Shall Be In Conduit Saddles. All Conduits Shall Be Tied Securely Into The Saddles, And All Saddles Shall Be Anchored Into The Ground So That The Conduits Do Not Float.

2 / E-4 HECO SECONDARY DUCT SECTION
Not To Scale

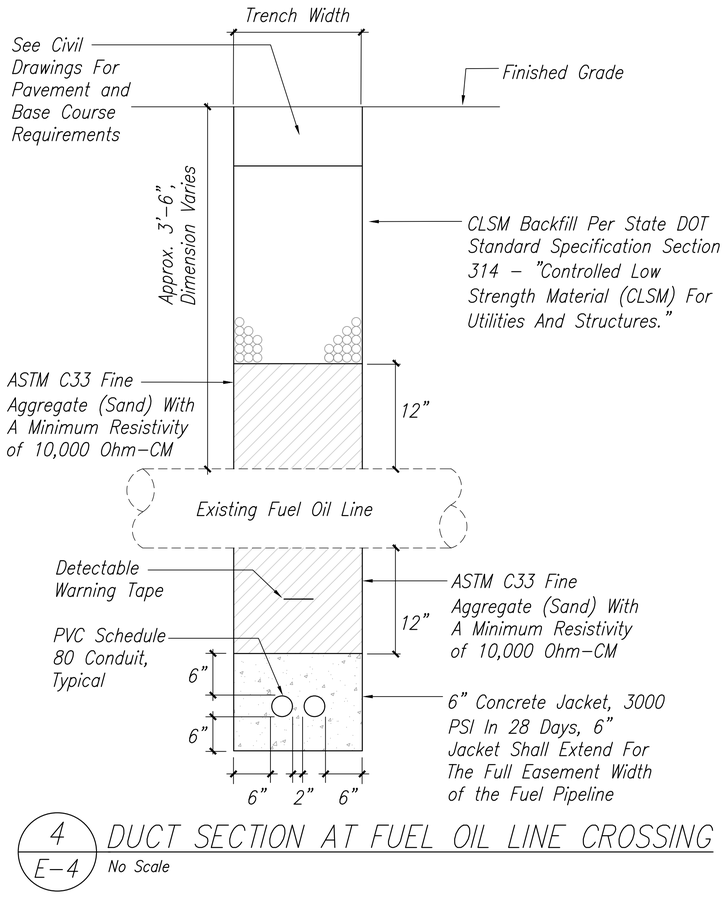


NOTES:

1. 8 Mil Thick Red Colored Plastic Warning Tape. 3" Wide With Continuous Metallic Backing And Corrosion Resistant Foil Core Inscribed With: "CAUTION – ELECTRICAL LINE BURIED BELOW" In Black Lettering, Repeated At 36" Intervals.

2. All Conduits In Concrete Shall Be In Conduit Saddles. All Conduits Shall Be Tied Securely Into The Saddles, And All Saddles Shall Be Anchored Into The Ground So That The Conduits Do Not Float.

3 / E-4 TYPICAL DUCT SECTION
Not To Scale



4 / E-4 DUCT SECTION AT FUEL OIL LINE CROSSING
No Scale

DUCT SCHEDULE

Type	Type	Cables
S	3" HECO Secondary, PVC Schedule 40	3#2, 1#6 Gnd
1	3" WIM Power, PVC Schedule 80	See WIM System Power Distribution Diagram
2	2" WIM Power, PVC Schedule 80	See WIM System Power Distribution Diagram
3	3" WIM Communications, PVC Schedule 80	See WIM System Communications Distribution Diagram
4	2" WIM Communications, PVC Schedule 80	See WIM System Communications Distribution Diagram
5	1" Inductive Loop Stubout, GRS	Loop Cable
6	2" Bending Plate Stubout, GRS	See WIM System Communications Distribution Diagram

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

LAST UPDATE: 14-13-2025 @ 11:14 am PLOT DATE: 26-17-2025 @ 08:56 am
PWN/FILENAME: P:\Hwy\Stwide\263633 Temporary Scale House Weigh Station\CO DWGS\263633_DA1301.dwg

MICHELE N. ADOLPHO
LICENSED PROFESSIONAL ENGINEER
No. 10017-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APRIL 30, 2026
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

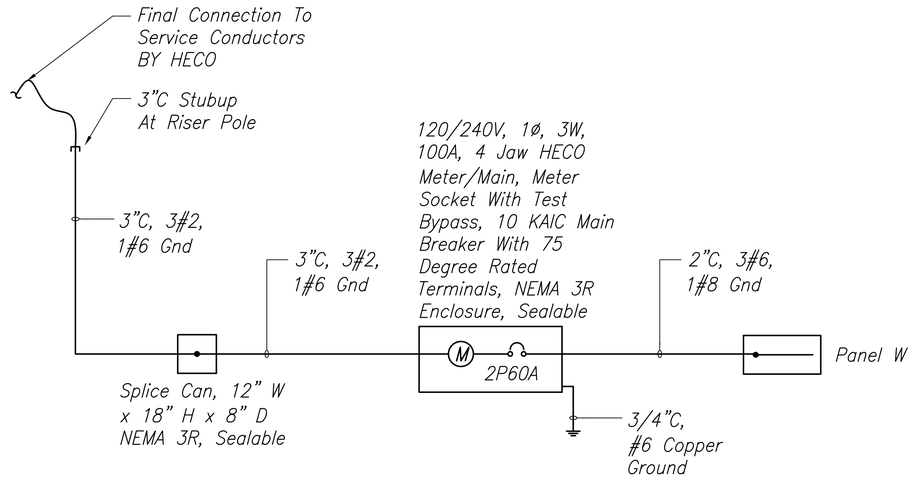
DUCT DETAILS

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Project No. NH-064-1(010)

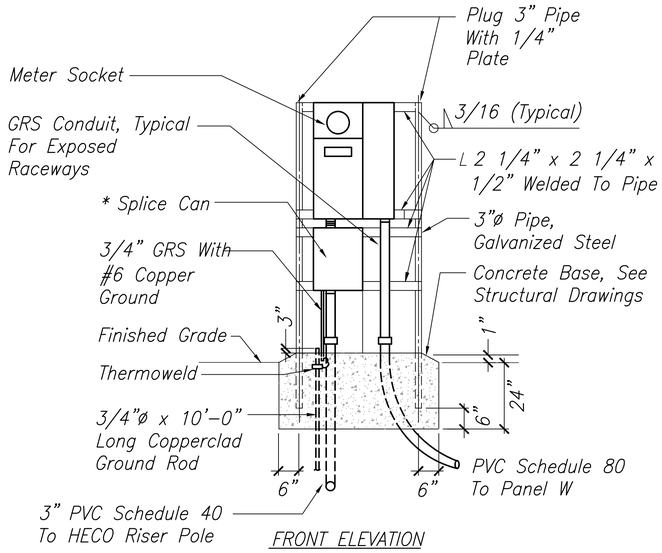
Scale: As Noted Date: July 2025

SHEET No. E-4 OF 54 SHEETS

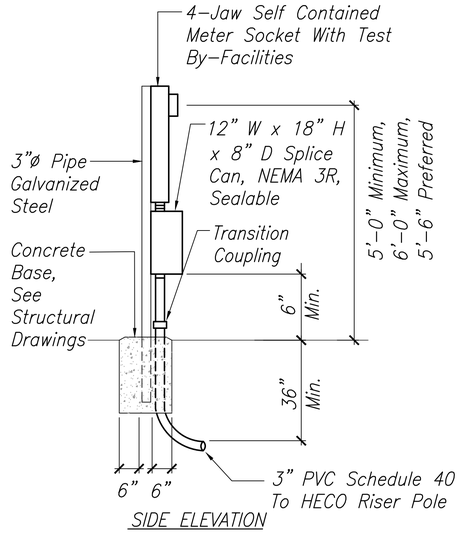
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)	2025	47	54



1 / E-5 ONE LINE DIAGRAM
No Scale



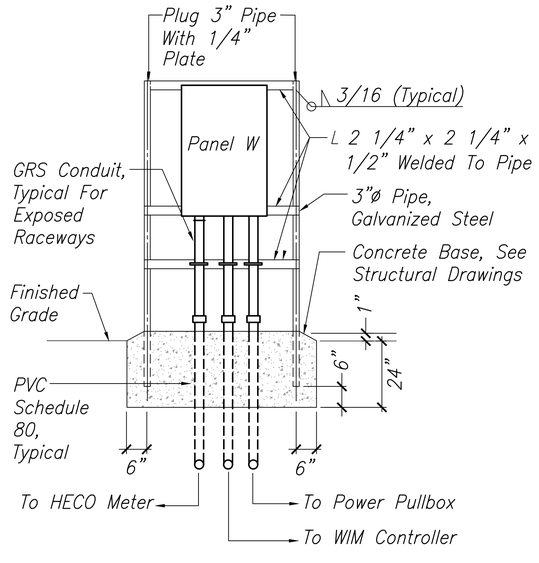
FRONT ELEVATION



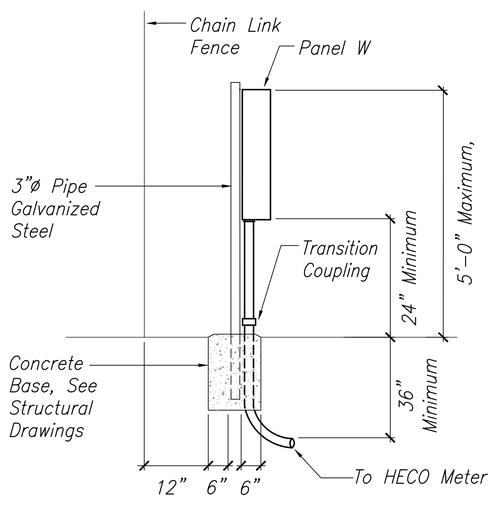
SIDE ELEVATION

Note:
Pedestal Shall Be Hot-Dipped Galvanized After Fabrication.
All Fastening Bolts, Nuts, & Washers Shall Be Stainless Steel.
Provide 4 Feet Clear In Front of Meter.
* Sealable NEMA 3R Enclosure 12" W x 18" H x 8" D

2 / E-5 METER ELEVATION
Not To Scale



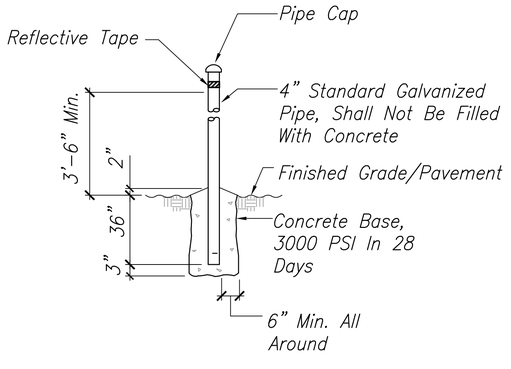
FRONT ELEVATION



SIDE ELEVATION

Note:
Pedestal Shall Be Hot-Dipped Galvanized After Fabrication. All Fastening Bolts, Nuts, & Washers Shall Be Stainless Steel.

3 / E-5 PANEL W MOUNTING DETAIL
Not To Scale



Notes:
1. Bollards Are To Be Painted Yellow As Per ANSI Spec Z535.1 To Comply With OSHA Standards For Coloring Code.
2. Before Proceeding With Work Contact One-Call For The Location of Underground Electrical Lines.

4 / E-5 BOLLARD DETAIL
Not To Scale

MICHELE N. ADOLPHO
LICENSED PROFESSIONAL ENGINEER
No. 10017-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APRIL 30, 2026
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ONE LINE DIAGRAM, METERING DETAILS
SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Project No. NH-064-1(010)

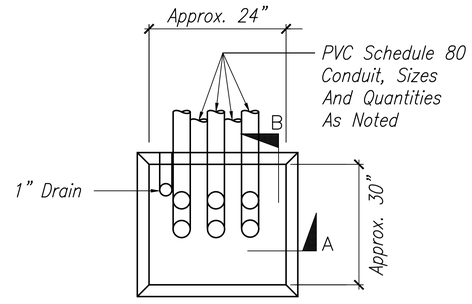
Scale: As Noted Date: July 2025

SHEET No. E-5 OF 54 SHEETS

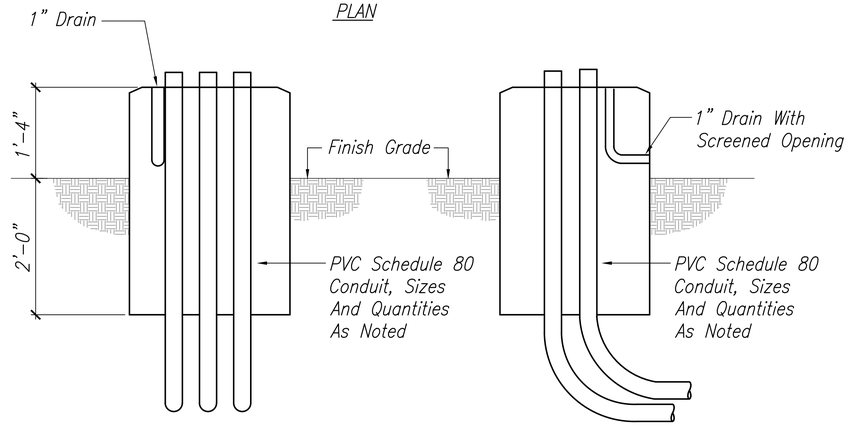
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

LAST UPDATE: 07-13-2025 @ 12:07 pm PLOT DATE: 04-17-2026 @ 08:58 am
PWD/TLDNAME: P:\hwi\Sand Island\253653 Temporary Sand Island Weigh Station\LDA DWGS\253653_ESE001.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)	2025	48	54

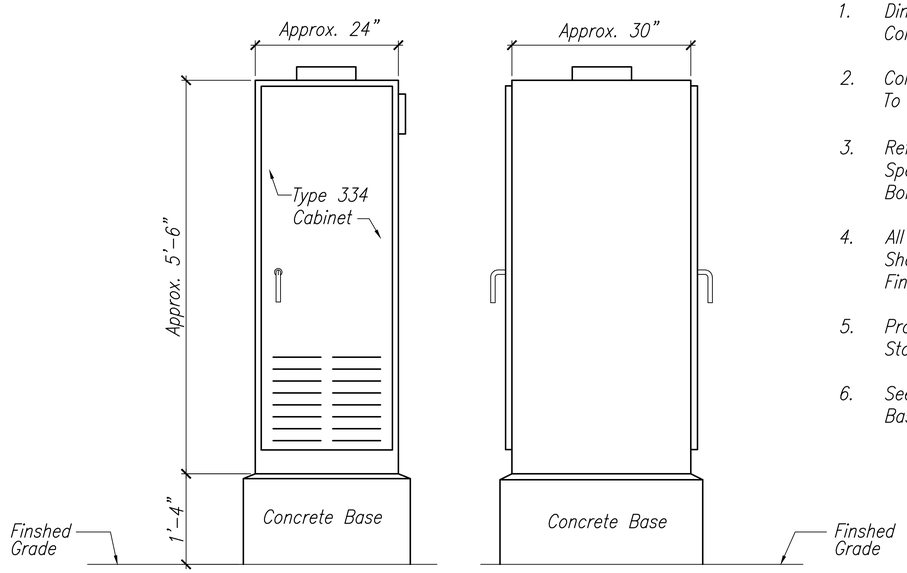


PLAN



SECTION "A" SECTION "B"

CONCRETE BASE



FRONT VIEW SIDE VIEW

TYPE 334 CABINET

NOTES:

1. Dimensions Shall Be Altered To Suit Controller Cabinet Actually Furnished.
2. Conduit Bend And Drain Are Incidental To Concrete Base.
3. Refer To Cabinet Manufacturer's Written Specifications For Details Of Anchor Bolts And Base Settings.
4. All Exposed Surfaces Of Concrete Base Shall Be Given A Class 2, Rubbed Finish.
5. Provide Type II Object Marker Per Standard Plan TE-15.
6. See Structural Drawings For Concrete Base Dimensions And Reinforcing Details.

1/E-6 WIM CONTROLLER ENCLOSURE
Not To Scale

LAST UPDATE: 04-17-2025 @ 08:25 am PLOT DATE: 04-17-2025 @ 08:56 am
P:\Hwn\Sand Island Weigh Station\LD DWGS\250833_E06-002.dwg

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

MICHELE N. ADOLPHO
LICENSED PROFESSIONAL ENGINEER
No. 10017-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

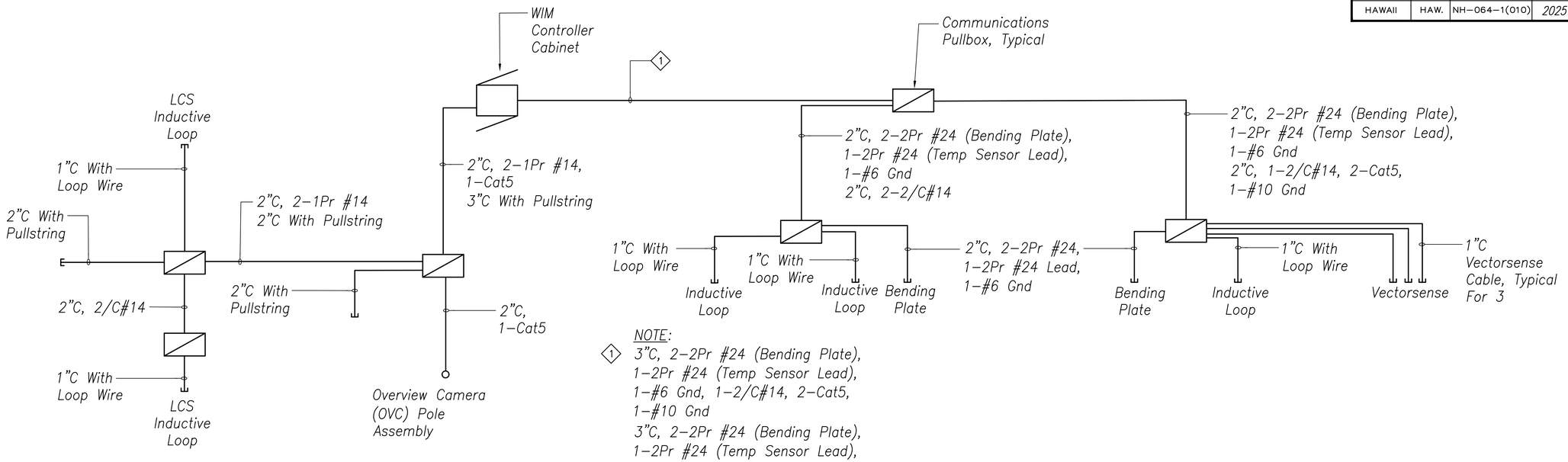
APRIL 30, 2026
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WIM CONTROLLER ENCLOSURE
DETAILS
SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Project No. NH-064-1(010)
Scale: As Noted Date: July 2025

SHEET No. E-6 OF 54 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)	2025	49	54



NOTE:
1 3"C, 2-2Pr #24 (Bending Plate), 1-2Pr #24 (Temp Sensor Lead), 1-#6 Gnd, 1-2/C#14, 2-Cat5, 1-#10 Gnd
3"C, 2-2Pr #24 (Bending Plate), 1-2Pr #24 (Temp Sensor Lead), 1-#6 Gnd, 2-2/C#14

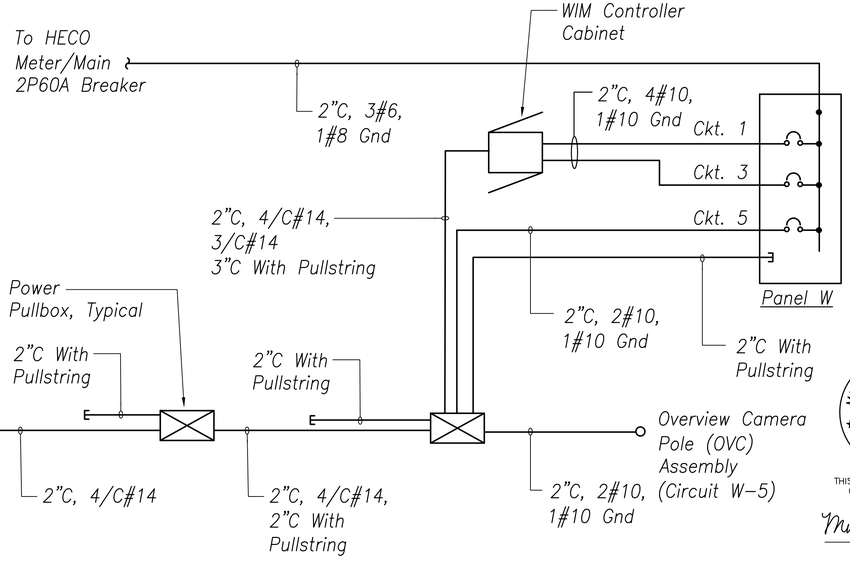
WIM SYSTEM COMMUNICATIONS DISTRIBUTION DIAGRAM

No Scale

PANEL W

120/240 Volts, 1 Phase, 3 Wire
100A Main Lugs
NEMA 4X, Stainless Steel Enclosure
Min AIC: 10,000
Mounting: Surface

WIRE SIZE (AWG)	CKT NO	USE	CKT BKR POLE	CKT BKR AMP	CONN LOAD (KVA) PHASE A		CONN LOAD (KVA) PHASE B		CKT BKR AMP	CKT BKR POLE	USE	CKT NO	WIRE SIZE (AWG)
10	1	WIM Controller	1	20	1.0	–			–	1	PFB	2	–
10	3	Controller Receptacle	1	20			1.0	–	–	1	PFB	4	–
10	5	OVC Illuminator	1	20	0.5	–			–	1	PFB	6	–
–	7	Spare	1	20			0.5	–	–	1	PFB	8	–
–	9	Spare	1	20	1.0	–			–	1	PFB	10	–
–	11	Spare	1	20			1.0	–	–	1	PFB	12	–
–	13	Spare	1	20	1.0	–			–	1	PFB	14	–
–	15	Spare	1	20			1.0	–	–	1	PFB	16	–
–	17	Spare	1	20	1.0	–			–	1	PFB	18	–
–	19	Spare	1	20			1.0	–	–	1	PFB	20	–
		Connected Load/Phase			4.5		4.5						
		Total Connected Load			9.0 KVA								
		Demand Factor			0.8								
		Total Demand Load			7.2 KVA =		30 Amps						



WIM SYSTEM POWER DISTRIBUTION DIAGRAM

No Scale

NOTE:
All communication cabling will be furnished by the WIM system vendor and installed by the construction contractor.

MICHELE N. ADOLPHO
LICENSED PROFESSIONAL ENGINEER
No. 10017-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APRIL 30, 2026
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WIM SYSTEM SITE DISTRIBUTION DIAGRAMS

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Project No. NH-064-1(010)

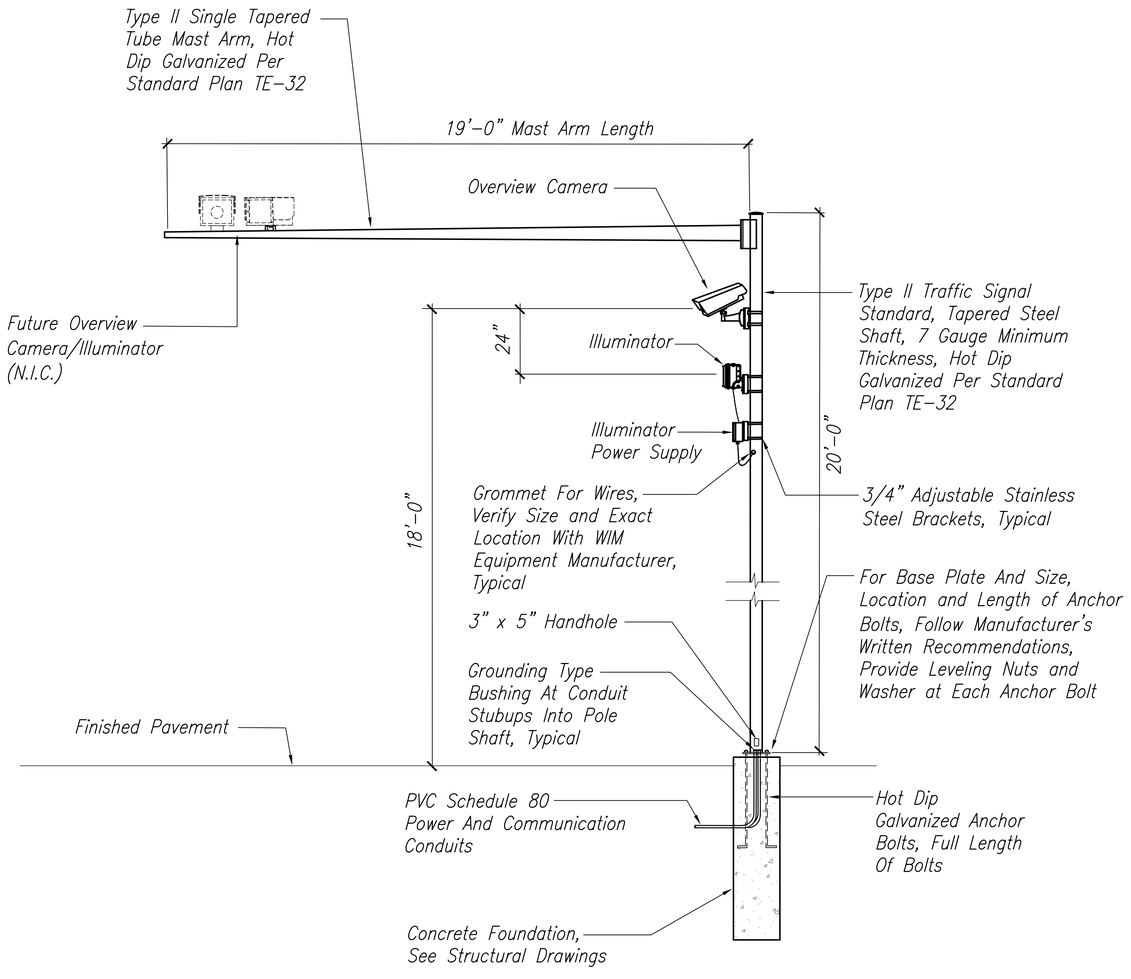
Scale: As Noted Date: July 2025

SHEET No. E-7 OF 54 SHEETS

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

LAST UPDATE: 31-17-2025 @ 8:02:21 pm PLOT DATE: 04-17-2025 @ 08:58 pm
PWN/FILENAME: P:\hwh\Sand Island\253653 Temporary Sand Island Weigh Station\LD\ PWN\253653_E07R02.dwg

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)	2025	50	54



1 / E-8 OVERVIEW CAMERA (OVC) POLE ASSEMBLY - TYPE II TRAFFIC SIGNAL STANDARD

Not To Scale

NOTES:

1. Support structure designs shall conform with the AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1st Edition (2015) including all subsequent interim revisions and editions.

2. Loads:
   a. Basic Wind Speed: 145 mph
   b Mean Recurrence Interval of 1,700 years
   c. Fatigue importance factor, IF, shall be based on Fatigue Category I for cantilevered structures.
   d. Vortex shedding induced loads shall be considered for cantilevered mast arms and pole shafts that do not have tapers or have tapers of less than 0.14 in./ft.
   e. Structures shall be designed for a truck induced gust based on a truck speed of 20 MPH over the posted speed.
   f. Galloping and natural wind gusts shall be considered for cantilevered structures.

3. All accessories, fittings, connection details and stiffener details (as required) shall be designed for the loads specified above and submitted to the Engineer for approval.

4. All connection bolts shall be AASHTO M164 bolts and anchor bolts shall be AASHTO M134-105 bolts.

5. Aluminum members and surfaces in contact with structural steel shall be isolated with neoprene materials as approved by the Engineer.

6. The recommendations of the traffic pole manufacturer shall be followed. Manufacturer shall select pole, anchor bolts, etc. based on the criteria given in the contract documents. The Contractor shall submit catalog cuts and structural calculations to the Engineer for approval.

MICHELE N. ADOLPHO
LICENSED PROFESSIONAL ENGINEER
No. 10017-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APRIL 30, 2026
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

OVERVIEW CAMERA POLE ASSEMBLY
SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Project No. NH-064-1(010)

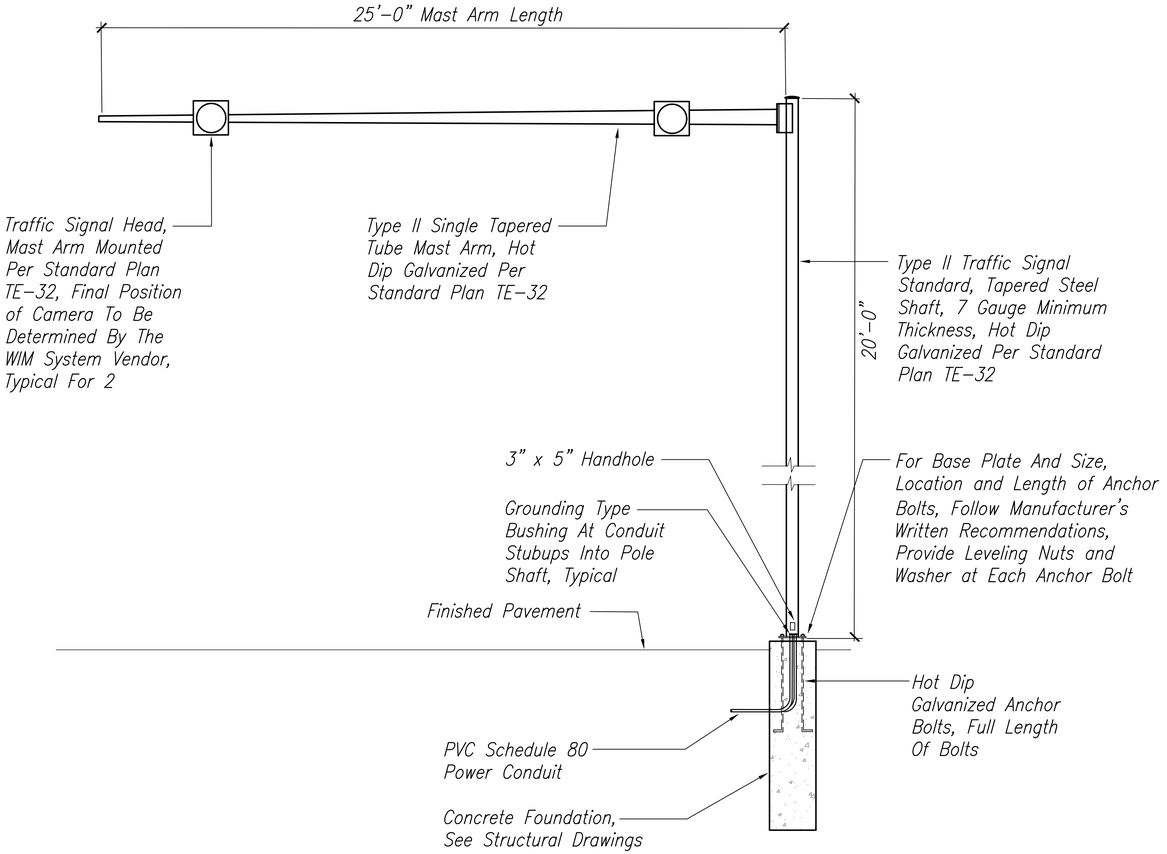
Scale: As Noted Date: July 2025

SHEET No. E-8 OF 54 SHEETS

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

PWN/PLOTNAME: P:\hwy\25sand\25003 Temporary Sand Island Weigh Station\02 DWGS\25003_E08.dgn
LAST UPDATE: 04-17-2025 @ 08:56 pm PLOT DATE: 04-17-2025 @ 08:56 pm

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)	2025	51	54



1 / E-9 LCS POLE ASSEMBLY – TYPE II TRAFFIC SIGNAL STANDARD
Not To Scale

NOTES:

1. Support structure designs shall conform with the AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1st Edition (2015) including all subsequent interim revisions and editions.

2. Loads:
   a. Basic Wind Speed: 145 mph
   b Mean Recurrence Interval of 1,700 years
   c. Fatigue importance factor, IF, shall be based on Fatigue Category I for cantilevered structures.
   d. Vortex shedding induced loads shall be considered for cantilevered mast arms and pole shafts that do not have tapers or have tapers of less than 0.14 in./ft.
   e. Structures shall be designed for a truck induced gust based on a truck speed of 20 MPH over the posted speed.
   f. Galloping and natural wind gusts shall be considered for cantilevered structures.

3. All accessories, fittings, connection details and stiffener details (as required) shall be designed for the loads specified above and submitted to the Engineer for approval.

4. All connection bolts shall be AASHTO M164 bolts and anchor bolts shall be AASHTO M134-105 bolts.

5. Aluminum members and surfaces in contact with structural steel shall be isolated with neoprene materials as approved by the Engineer.

6. The recommendations of the traffic pole manufacturer shall be followed. Manufacturer shall select pole, anchor bolts, etc. based on the criteria given in the contract documents. The Contractor shall submit catalog cuts and structural calculations to the Engineer for approval.

MICHELE N. ADOLPHO
LICENSED PROFESSIONAL ENGINEER
No. 10017-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APRIL 30, 2026
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LCS ASSEMBLY

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Project No. NH-064-1(010)

Scale: As Noted Date: July 2025

SHEET No. E-9 OF 54 SHEETS

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

LAST UPDATE: 04-17-2025 @ 08:54 am PLOT DATE: 04-17-2025 @ 08:56 am
PWN/FILENAME: P:\Proj\25sand\25S03_Temporary Sand Island Weigh Station\03 PWORK\25S03_STR_E09.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	52	54

General:

A. Workmanship and materials shall conform to the AASHTO LRFD Bridge Design Specification, 10th Edition (including most recent interims), and the Hawaii Standard Specifications for Road and Bridge Construction (2005 Edition), and all applicable special provisions by the State of Hawaii Department of Transportation.
B. The contractor shall take field measurements and verify field conditions and shall compare such field measurements and conditions with the drawings before commencing the work. Report in writing to the engineer all inconsistencies or omissions.
C. The contractor shall be responsible for methods of construction, work and job safety. The contractor shall provide temporary shoring and bracing as required for stability of structural members and systems.
D. Details noted as typical on structural drawings shall apply in all conditions unless specifically shown or noted otherwise.
E. The contractor shall be responsible for coordinating the work of all trades.
F. The contractor shall be responsible for protection of the adjacent properties, structures, streets, and utilities during the construction period. Any damage or deteriorated property shall be restored to the condition prior to the beginning of work or better at no cost to the owner.

Design Criteria:

A. Soils (Assumed)
   1. Allowable bearing capacity:---------- 3,000 psf
   2. Foundation coefficient of friction:-------- 0.35
   3. Active Lateral Pressure:---------- 84 pcf
   4. Passive Lateral Pressure:---------- 160 pcf
B. Wind design data
   1. Basic wind speed (3-second gust, ult):---- 145 mph
   2. Risk category:---------- II
   3. Exposure category:---------- D
C. Live Load:---------- HS-20

Reinforcing Steel:

A. New reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.
B. Welded reinforcing steel shall be low-alloy deformed bars conforming to ASTM A706.
C. Clear concrete coverage for reinforcing bars shall be as follows, unless otherwise noted:
   1. Footing, wall, etc. Cast against earth:---------- 3"
   2. Footing, wall etc. Formed and exposed to earth: 2"
   3. Wall faces exposed to earth or weather:--------- 2"
   4. All others:----------2"
D. Splices:
   1. Reinforcing steel shall be spliced only where indicated on plans. Provide lap splice length per typical details and schedule, unless otherwise noted.
E. Bar bends and hook shall be "standard hooks" in accordance with AASHTO LRFD.

Structural Steel:

A. Fabrication and erection of structural steel shall conform to the American Institute of Steel Construction Manual of Steel Construction, Sixteenth Edition.
B. Structural steel shall conform to ASTM A36 unless otherwise noted.
C. Welds and welding procedures shall conform to the structural welding code AWS d1.1 of the American Welding Society.
D. Welding shall be performed by welders prequalified for welding procedures to be used.
E. Welding electrodes shall be E70xx.
F. All anchor bolts, plates, and other items to be cast in concrete shall be hot-dip galvanized according to ASTM A153 unless otherwise noted.
G. All steel shall be hot-dip galvanized after fabrication according to ASTM A123.
H. Any damaged galvanized surface shall be repaired as follows:
   1. Prepare surface per SSPC-SP1, solvent cleaning.
   2. Apply two coats of cold applied galvanizing compound containing 95% metallic zinc content by weight in dry film and 52% solids content by volume.
   3. Application rate shall be 1.5 mils dry film thickness per coat.

Concrete:

A. Concrete construction shall conform to AASHTO LRFD.
B. Concrete shall be normal weight and shall have a minimum 28 days compressive strength of 4,000 psi and maximum w/c ratio of 0.45.
C. All inserts, anchor bolts, plates, etc. Embedded in concrete shall be Hot-Dip Galvanized unless other wise noted.
D. Conduits, pipes, and sleeves passing through concrete area not conforming to typical details shall be located and submitted to the engineer for approval.
E. Non-shrink grouts shall be premixed compound consisting of non-metallic. Aggregate and shall be in accordance with ASTM C1107. Non-shrink grout shall be non-staining types, cement, water-reducing and plasticizing agents capable of developing minimum compressive strength of 4,000 psi in 3 days and 7,000 psi in 28 days.
F. Unless otherwise noted, chamfer all concrete edges 3/4".
G. Concrete delivery tickets shall record all free water in the mix: at batching by plant, for consistency by driver, and any additional request by contractor if permitted by the mix design.
H. Reinforcing bars, anchor bolts, inserts and other items to be cast in the concrete shall be secured in position prior to placement of concrete.

Foundation:

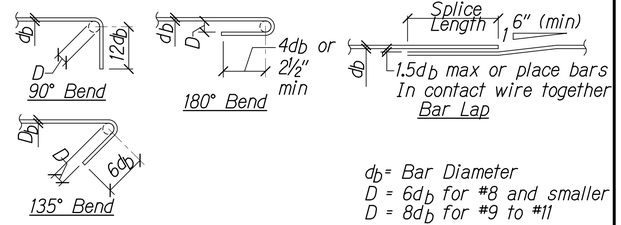
A. Foundation design is based on assumed values of AASHTO LRFD.
B. Contractor shall provide de-watering of excavated areas, as required.
C. Contractor shall provide design and installation of all cribbing, sheeting, and shoring necessary to preserve excavations and earth banks. Shoring shall conform to OSHA regulations.
D. Footings shall bear on undisturbed in-situ firm soils. Bottom of footings shall be compacted to provide a relatively firm and smooth bearing surface prior to placement of reinforcing steel and concrete. If soft and/or loose materials are encountered at the bottom of footing excavations, they shall be over-excavated to expose the underlying firm materials. The over-excavated area shall be backfilled with select granular material compacted to a minimum of 90% relative compaction or the footing bottom may be extended down to the underlying competent material. Contractor may substitute flowable concrete or the granular material upon approval from the engineer.
E. Excavations for footings shall be approved by the licensed geotechnical engineer in State of Hawaii (provided by contractor) prior to placement of concrete and reinforcing.
F. Engineered fill and backfill shall be in accordance with section 703.20 of the Hawaii Standard Specifications for Road and Bridge construction, 2005 edition.
G. Fill should be moisture conditioned to within two percent of the optimum moisture content and placed in horizontal lifts not to exceed six inches. Fill shall be compacted to minimum 90% relative density as measured by ASTM D1557, method A or D.

Minimum Splice & Embedment Lengths

Concrete Strength = 4,000 psi

Bar Size	Lap Splice		Embedment		
			Straight		
	Bot Bar or Wall Bar	Top Bar	Bot Bar or Wall Bar	Top Bar	W/ Std Hook
#3,#4	20"	26"	16"	20"	10"
#5	26"	34"	20"	26"	12"
#6	30"	40"	24"	30"	16"
#7	44"	58"	34"	44"	18"

Notes:
1. Lengths are for concrete with rebar spaced 6 bar diameters minimum. Increase 25% for bars spaced less than 6 bar diameters.
2. "top bars" are horizontal bars with 12" or more of concrete cast below.



d_b = Bar Diameter
$D = 6d_b$ for #8 and smaller
$D = 8d_b$ for #9 to #11

EMBEDMENT AND SPLICE LENGTH SCHEDULE 1
Not To Scale S-1 | S-1

SAEID POURJALALI
LICENSED PROFESSIONAL ENGINEER
No. 11475-S
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2026
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRUCTURAL GENERAL NOTES

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

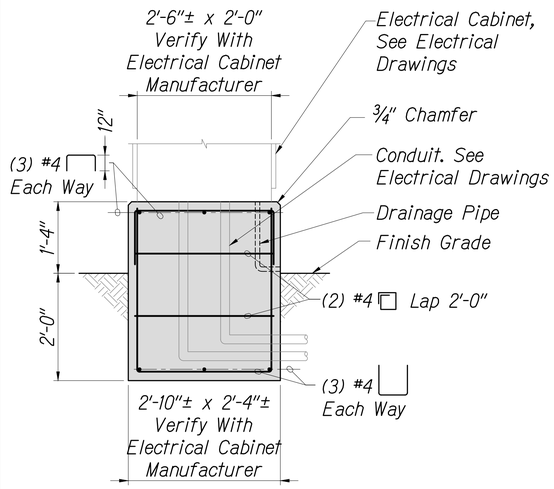
Scale: As Noted Date: July 2025

SHEET No. S-1 OF 3 SHEETS

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

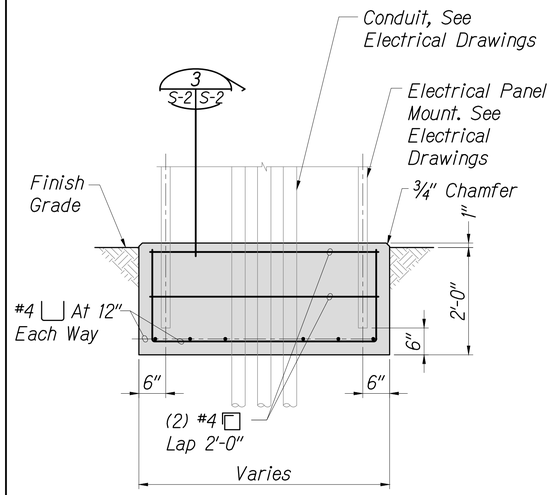
PWN/FILENAME: \\10.0.0.108\current projects\6751-6800\6774.10 DOTH-Sand Island Weigh Station Impr, Temp Condition\050 Drawings\Structural\AutoCAD_format\2025-07-17 Prefinal\6774-10_S-1.dwg, 7/17/2025 3:30:52 PM, mgoo

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	53	54



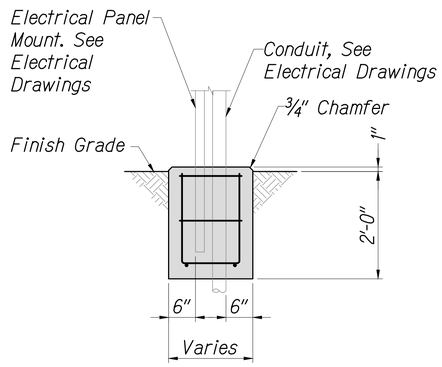
ELECTRICAL CABINET CONCRETE BASE — 1 S-2 | S-2

Scale: 3/4" = 1'-0"



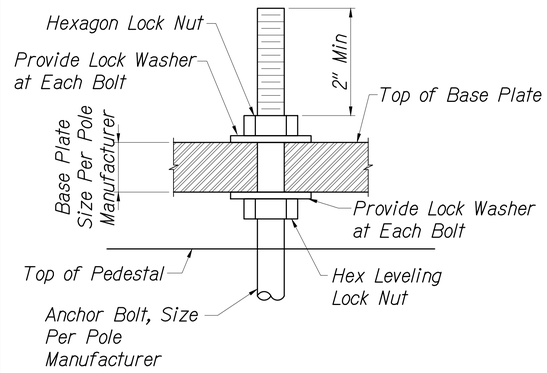
ELECTRICAL PANEL CONCRETE BASE — 2 S-2 | S-2

Scale: 3/4" = 1'-0"



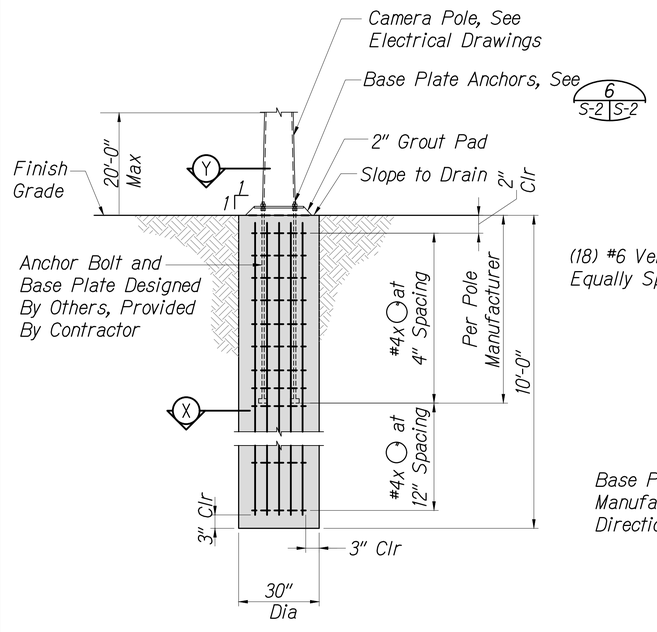
ELECTRICAL PANEL CONCRETE BASE — 3 S-2 | S-2

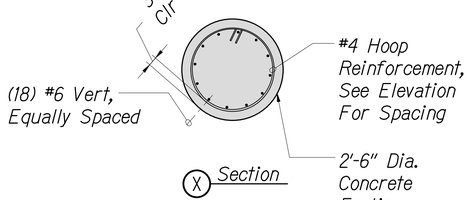
Scale: 3/4" = 1'-0"

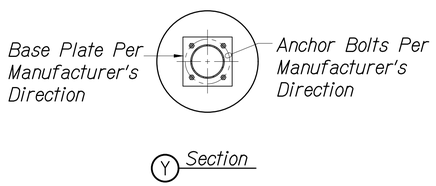


MAST ARM BASE PLATE ANCHOR BOLT CONNECTION DETAIL — 6 S-2 | S-2

NOT TO SCALE

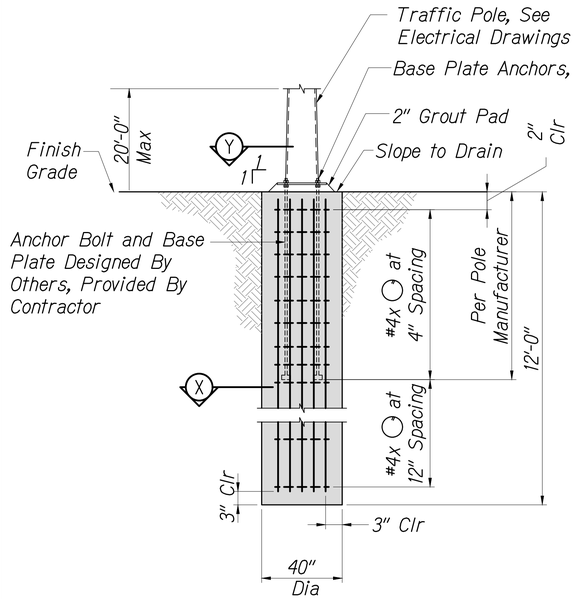






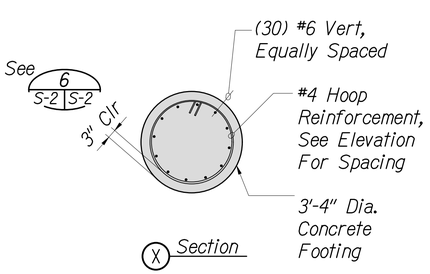
CAMERA POLE FOUNDATION - ELEVATION — 4 S-2 | S-2

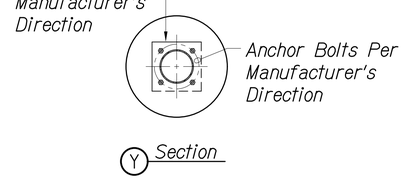
NOT TO SCALE



TRAFFIC SIGNAL POLE FOUNDATION - ELEVATION — 5 S-2 | S-2

NOT TO SCALE





0' 1' 2' 3' 4'
3/4" = 1'-0"

SAEID POURJALALI
LICENSED PROFESSIONAL ENGINEER
No. 11475-S
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2026
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FOUNDATION DETAILS

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. S-2 OF 3 SHEETS

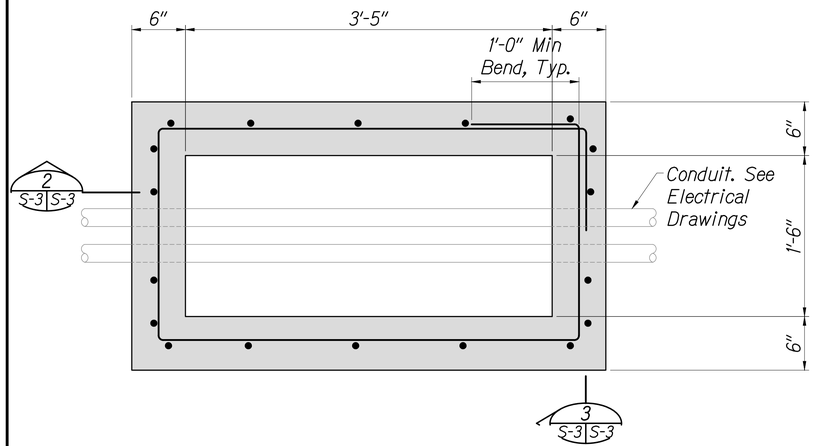
53

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

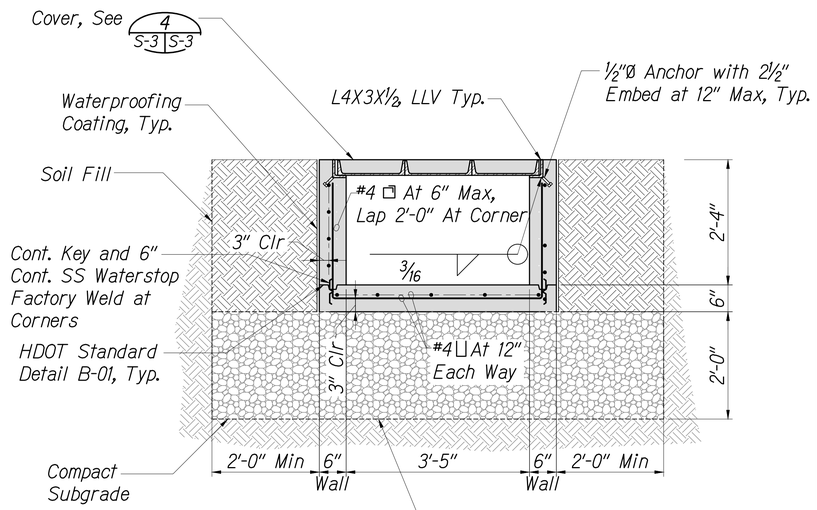
PATH/FILENAME: \\10.0.0.108\current projects\PW1-6680\6774.10 DOTH-Sand Island Weigh Station Impr. Temp Condition\050 Drawings\Structural\AutoCAD_format\2025-07-17 Prefinal\6774-10_S-2.dwg, 7/17/2025 3:30:54 PM, mgoo

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(010)R	2025	54	54

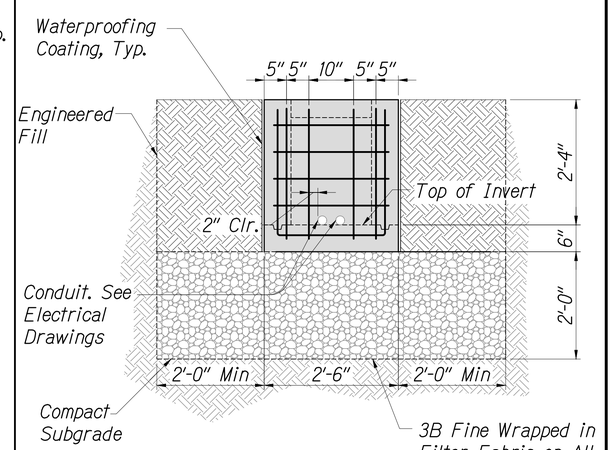
Note:
1. Conduit Location to be Verified in Field.



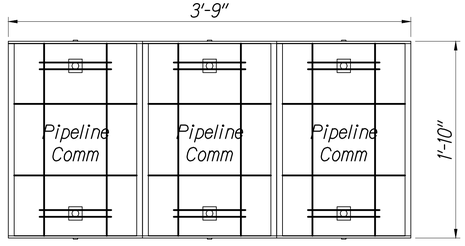
WALL REINFORCING 1 S-3 S-3
Scale: 1 1/2" = 1'-0"

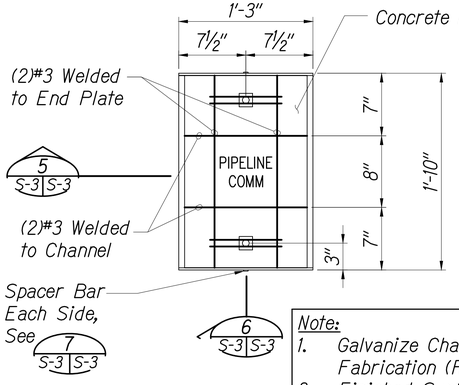


SECTION 2 S-3 S-3
Scale: 3/4" = 1'-0"



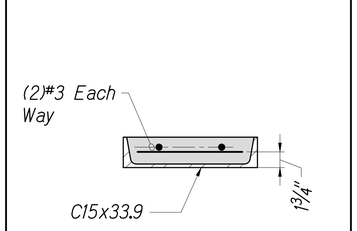
WALL SECTION 3 S-3 S-3
Scale: 3/4" = 1'-0"



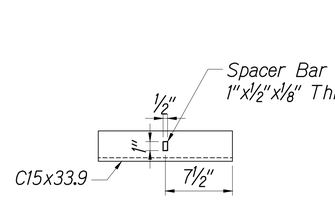


Note:
1. Galvanize Channel per ASTM 153 After Fabrication (Rebar Welding).
2. Finished Surface Shall Be Broomed or Roughened per HDOT Standard for Sidewalk
3. Company Identification Marking Stamped on Cover.

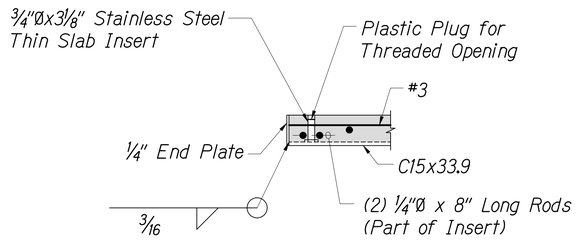
COVER PLAN 4 S-3 S-3
Scale: 1 1/2" = 1'-0"



SECTION 5 S-3 S-3
Scale: 1 1/2" = 1'-0"



SPACER BAR DETAIL 7 S-3 S-3
Scale: 1 1/2" = 1'-0"



SECTION 6 S-3 S-3
Scale: 1 1/2" = 1'-0"

0' 6" 1' 2'
1 1/2" = 1'-0"

0' 1' 2' 3' 4'
3/4" = 1'-0"

SAEID POURJALALI
LICENSED PROFESSIONAL ENGINEER
No. 11475-S
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2026
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONCRETE SERVICE BOX

SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION
Federal-Aid Project No. NH-064-1(010)R

Scale: As Noted Date: July 2025

SHEET No. S-3 OF 3 SHEETS

54

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

PATH/FILENAME: \\10.0.0.108\current projects\6751-6800\6774.10 DOTH-Sand Island Weigh Station Impr. Temp Condition\050 Drawings\Structural\AutoCAD_format\2025-07-17 Prelfinal\6774-10_S-3.dwg, 7/17/2025 3:30:56 PM, mgoo