STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1
FOR
WAIMEA CANYON DRIVE/KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
PROJECT NO. STP-0550(005)

The following amendments shall be made to the Bid Documents:

A. PLANS:

1. Replace Plan Sheet Nos. **2** through **127** with the attached Plan Sheet Nos. **ADD. 2** through **ADD. 127**, dated 11/07/22.

B. PROPOSAL

1. Replace **Proposal** pages **P-8** through **P-10**, dated "8/15/22" with the attached Proposal pages **P-8** through **P-10**, dated r11/07/22.

C. PRE-BID MEETING MINUTES

Attached, for your information:

1. Pre-Bid Meeting minutes, attendance list, and questions from the October 27, 2022 non-mandatory pre-bid meeting.

D. RFI AND RESPONSES

Attached are responses to questions posted on HIePRO as of November 3, 2022.

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

JADE T. BUTAY
Director of Transportation

INDEX TO DRAWINGS	
SHT. NO.	DESCRIPTION
1	TITLE SHEET
2	STANDARD PLANS SUMMARY
3	GENERAL NOTES
4	LEGEND AND ABBREVIATIONS
5 - 7	WATER POLLUTION AND EROSION CONTROL NOTES
8	GRADING NOTES
9	TRAFFIC CONTROL NOTES
10 - 11	HISTORICAL PRESERVATION AND PROTECTION NOTES
12	TYPICAL SECTION
13 - 25	DEMOLITION & EROSION CONTROL PLANS
26 - 38	ROADWAY PLANS
39 - 51	GRADING PLANS
52 - 53	PAVEMENT MARKING LEGEND, DETAILS AND NOTES
54 - 55	TRAFFIC SIGN DETAILS
56 - 68	PAVEMENT MARKING PLANS
69	WORK ZONE SIGNING PLAN AND DETAILS
70 - 71	TRAFFIC CONTROL PLANS
72	TRITON BARRIER DETAILS
73 - 78	GUARDRAIL DETAILS
79 - 80	EROSION CONTROL DETAILS
81 - 127	CROSS SECTIONS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	1	127

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION
HONOLULU, HAWAII

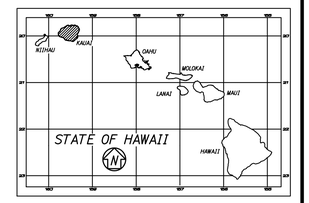
PLANS FOR

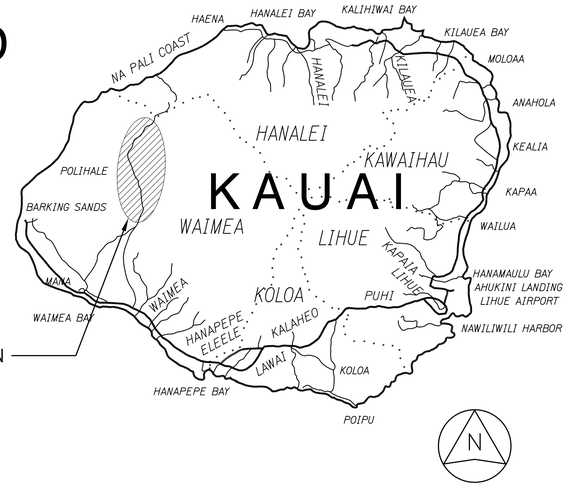
WAIMEA CANYON DRIVE/KOKEE ROAD IMPROVEMENTS, PHASE 2A

MILE POST 11.5 TO MILE POST 14.0

FEDERAL-AID PROJECT NO. STP-0550(005)

DISTRICT OF WAIMEA
ISLAND OF KAUAI

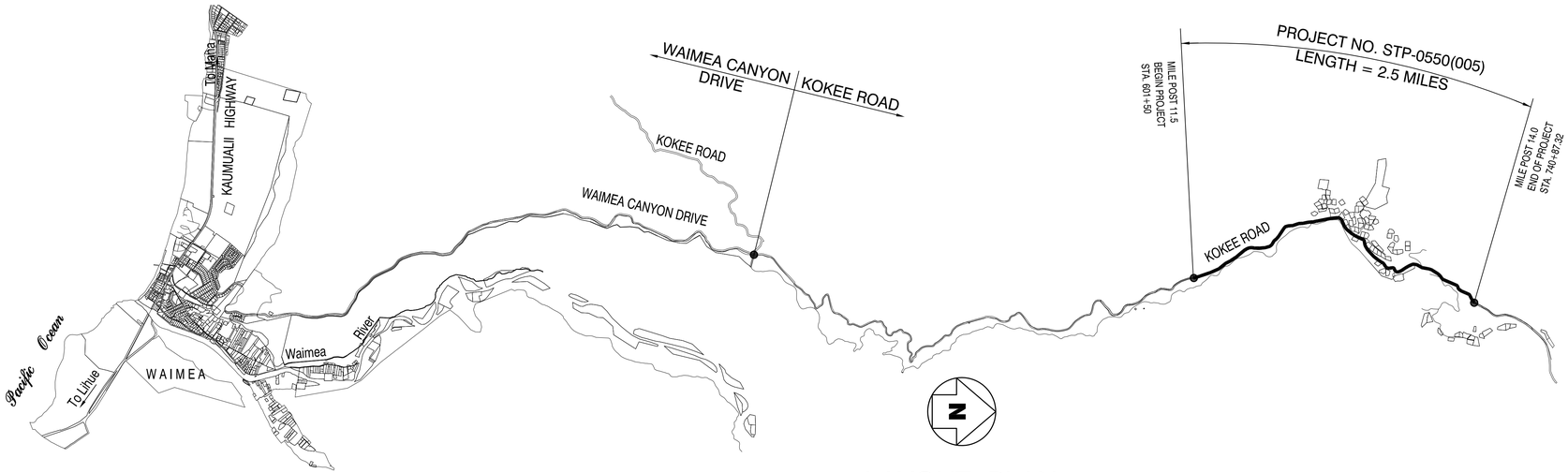




PROJECT LOCATION

-------- FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

MILE POST 11.5 TO MILE POST 14.0



LAYOUT PLAN

NOT TO SCALE

GROSS LENGTH OF PROJECT . . . . . 2.5 MILES
NET LENGTH OF PROJECT . . . . . 2.5 MILES

DESIGN DESIGNATION

Route 550		
	MP 1.18 - 6.72 Panini Place to Kokee Road	MP 6.72 - 14.10 Kokee Road to En to Kokee State Park
2020 ADT	1,100	1,800
2030 ADT	1,200	2,000
2030 DHV	160	260
Design K	13.0	13.0
Design D	65/35	65/35
Design T	3.0	3.5
T24	3.5	3.5

DEPARTMENT OF TRANSPORTATION STATE OF HAWAII	
APPROVED:	
for DIR. OF TRANSPORTATION	Jul 25, 2022 DATE

WILSON OKAMOTO CORP. — DESIGNED BY
HWY-K P.S. & E. BY
(808)241-3000 PHONE
AUGUST 2022 DATE

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

STANDARD PLANS SUMMARY

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 2	127

STANDARD PLAN NO.	TITLE	DATE
B-01 ●	Notes and Miscellaneous Details	05/31/07
B-03	Backfill Details at Earth Retaining Structures	05/31/07
B-12	Prestressed Concrete Piles and Compression Splice Can Details	05/31/07
B-12A	Prestressed Concrete Piles, Pile and Compression Splice Can Details and Notes	05/31/07
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 with Permeable Base Joint Details	05/31/07
D-20	P.C.C. Pavement with 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 Frame and Grates	05/31/07
H-16	Type 61614, 61614P, 61616, 61616P Steel Frame and Grates	05/31/07
H-17	Type 61214 Steel Frames and Grates	05/31/07
H-18	Type 61214p Steel Grates	05/31/07
H-19	Type 61614b Steel Frame and Grates	05/31/07
H-20	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 and Supplementary Plates	07/11/08
TE-10	Interstate Route Marker	07/11/08
TE-11 ●	State Route Marker and Auxiliary Markers	07/11/08
TE-12 ●	State Route Marker and Border Detail for Guide Signs	07/11/08
TE-12A	Route Sign Assemblies	07/11/08
TE-13 ●	Street Name Sign on Mast Arm	07/11/08
TE-14 ●	Miscellaneous Reflector Markers	07/11/08
TE-15 ●	Object Markers	07/11/08
TE-16 ●	Mile Posts	07/11/08
TE-17A	Cantilever Overhead Sign Elevation and 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 Detail	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 Accessory Details	05/31/07
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
TE-28A	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 and Symbols	07/11/08
TE-31 ●	Pavement Alphabets, Numbers and Symbols	07/11/08
TE-32	Type I and 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 and Duct Details	07/11/08
TE-36	Traffic Signal Details	07/11/08
TE-37	Pullbox and 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	05/31/07
TE-41	Sections 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 and Pavement Markings at Narrow Bridges	07/11/08
TE-47	Highway Light Standard	05/31/07

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 1 OF 1 SHEETS

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

ORIGINAL PLAN
NOTE BOOK
No.

COPY OF ORIGINAL TRACING

ADD 2

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 3	127

NOTES FOR GENERAL CONSTRUCTION

1. The scope of work for this project includes road improvements to Kokee Road between mile post (MP) 11.5 to MP 14.0. Planned improvement includes reconstructing and rehabilitating portions of the paved travel lanes; grading and paving roadway shoulders; paving under guardrail; installing, replacing, and adjusting guardrails; maintaining and cleaning culverts; constructing staging areas; and installing signage and pavement markings.

2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts.

3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104(1) - Utilities and Services; and Section 645 - Work Zone Traffic Control.

4. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to various items and shall not be paid separately.

5. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting of his operations.

6. At the end of each day's work, the Contractor shall remove all equipment and other obstruction to permit free passage of public traffic.

7. All lanes shall be open to traffic during the hours of 7:00 am to 6:00 pm. Only one lane of highway shall be closed at any other time. Night working hours are specified in Section 107 of the Special Provisions. Failure of the Contractor to open all lanes of traffic during the times specified above shall result in assessment of rental fees as specified in Section 108.09 of the Special Provisions.

8. All workers within the State right-of-way who are exposed to either vehicles using the roadway or to construction equipment shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of ANS/I/SEA 107-2004. "Workers" is defined as people on foot whose duties place them with the State right-of-way, such as, but not limited to construction and maintenance forces, equipment operators, survey crews, utility crews, responders to incidents (e.g. EMT and Firemen), and law enforcements personnel directing traffic, investigating accidents, handling lane closures and obstructed roadways.

9. No material 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. The contractor shall obtain a permit to use the property within the highway right-of-way from the State Highways Division at telephone no. (808) 241-3000.

10. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.

11. Prior to construction, the Contractor shall contact the various utility agencies for location of existing utilities within the project limits. The Contractor shall locate and protect all existing utilities whether or not shown on the plans. Any cost incurred by damages to existing utilities will be borne by the Contractor. Contractor shall request from One-Call Center, Ph./866-423-7278. The Contractor shall also call the County of Kauai, Department of Water, PH (808) 245-5400 and the Wastewater Division, Ph. (808) 241-6642 for toning waterlines and sewerlines respectively.

12. All works of toning, probing, hand digging, and all other means of utility verifications shall not be paid for separately, but shall be considered incidental to the various contract items.

13. The Contractor shall provide for access to and from all existing driveways, sidewalk and ADA access routes, and side streets and cross streets at all time. This work shall be considered incidental to the various contract items.

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

15. The contractor, at his own expense, shall keep the project area and surrounding area free from dust nuisance.

16. Smooth riding connections shall be constructed at all limits of construction including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans.

17. The Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monuments is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument. Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmarks shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.

18. All new reference survey monuments shall be set under a Licensed land Surveyor' s direction. Copies of field notes, descriptions and new values of the new benchmarks shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.

19. No sections where guardrail has been removed shall be left unattended at the end of each work day. Open sections shall be shielded by Portable Concrete Barrier or as directed by the Engineer. For Portable Concrete Barrier details, refer to Standard Plans TE-42 and TE-43, Furnishing, installing, and maintaining of these devices shall be considered incidental to the various contract items and will not be paid separately. The portable concrete barrier and the portable concrete barrier end treatments shall become the property of the State upon completion of the project and shall be delivered at the Hawaii Department of Transportation, Highways Division, Kauai District baseyard located at 1720 Haleukana St. Lihue, Kauai.

20. Should historic remains such as artifacts, burials, concentration of shell or charcoal be encountered during construction activities, work shall cease in the immediately vicinity of the find. The Contractor shall immediately notify the Planning Department and the State Historic Preservation Division at (808) 241-3690, which will assess the significance of the find and recommend the appropriate mitigation measures, if necessary.

21. The Contractor shall take measures to reduce the spread of invasive species (eg. Rapid Ohia Death) such as by minimizing the movement of plant or soil material between worksites, such as fill. Additionally, all equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of spreading invasive species.

22. Removal and disposal of existing guardrails, signs and delineators shall be considered incidental to the various contract items and will not be paid separately.

23. All saw cutting works shall be considered incidental to the various contract items and will not be paid separately.

24. The Contractor, at his own expense shall hydro-mulch and maintain per Section 641 - Hydro-Mulch Seeding of the HDOT Standard Specification all areas disturbed by his operations.

25. Earth swale shall be graded to drain. Graded swales and shoulder shall be grassed. This work shall be considered incidental to the various contract items.

26. Trimming and dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable materials as shown on the plans and/or as directed by the Engineer. Suitable materials shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional materials from borrow outside the limits of the right of way. Asphalt concrete removed from cold planing, reconstruction and roadway excavation shall not be used for dressing of shoulders, sidewalk or bus turnout. This work shall be considered incidental to the various contract items.

27. Prior to paving operations, the Contractor shall be responsible for locating, preserving and marking all utilities and Highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade.

28. The exact locations and limits or areas to be excavated, reconstructed and cold planed shall be determined in the field by the Engineer.

29. All asphalt concrete materials from cold planing, reconstruction and roadway excavation operations shall become the property of the Contractor with the exception of any amount HDOT wants at its discretion. The Contractor shall remove and dispose excess materials and shall be considered incidental to the various contract items.

30. At the end of each day's paving operation, temporary pavement markers and striping shall be in place prior to leaving the site.

31. After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.

32. 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.

33. Tack coat shall be incidental to the various asphalt concrete pavement items.

34. Payment of terminal sections shall include steel guardrail and post elements for the entire length of the terminal. Additional items required for construction of the terminal section, including anchor blocks, cables, hardware, etc., shall be incidental to the cost of the terminal section.

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 1 OF 1 SHEETS

COPY OF ORIGINAL TRACING

ADD 3

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KAUAI	HAW.	STP-0550(005)	2022	ADD. 4	127

LEGEND

- e — Existing Electrical Line
- jp — Existing Joint Pole
- pp — Existing Power Pole
- emh — Existing Electric Manhole
- t — Existing Telephone Line
- tp — Existing Telephone Pole
- tmh — Existing Telephone Manhole
- mon. — Existing Monument
- d—24— Existing 24" Drain Line
- sdmh — Existing Storm Drain Manhole
- gdi — Existing Grated Drop Inlet
- cb — Existing Catch Basin
- sign — Existing Traffic Sign
- hl — Existing Highway Lighting Standard
- hlpb — Existing Highway Lighting Pullbox
- New Guardrail
- Existing Metal Guardrail
- r/w — Existing Right-of-Way
- R/W — New Right-of-Way
- New Traffic Sign
- 14.50 — New Pavement Grade
- 14.50± — existing pavement grade

ABBREVIATIONS

A.C., a.c.	Asphalt Concrete
℄	Baseline
BB	Bottom of Bank
EP	New Edge of Pavement
ES	New Edge of Shoulder
ep	existing edge of pavement
es	existing edge of shoulder
P.C.	Point of Curvature
P.O.C.C.	Point of Compound Curvature
P.C.C.	Portland Cement Concrete
P.I.	Point of Intersection
P.O.C.	Point on Curvature
P.T.	Point of Tangency
R	Radius
R/W	Right-of-Way
R.P.M.	Raised Pavement Marker
TB	Top of Bank

A — Detail Number
C-1 | C-10 — Detail Sheet Number / Reference Sheet Number

LEGEND

A.C.	ASPHALT CONCRETE
A/C	AIR CONDITIONING
APPROX.	APPROXIMATE
ARV	AIR RELEASE VALVE
BC	BOTTOM CURB
BFP	BACK FLOW PREVENTER
BOT.	BOTTOM
BW	BOTTOM WALL
CATV	CABLE TELEVISION
C.B.	CATCH BASIN
C.L.	CHAIN LINK
CMU	CONCRETE MASONRY UNIT
C.O.	CLEAN OUT
COL.	COLUMN
COMM.	COMMUNICATION
CONC.	CONCRETE
CRM	CONCRETE RUBBLE MASONRY
D	DIAMETER OR DRAIN
D.I.	DRAIN INLET
D.S.	DOWN SPOUT
DSP	DRY STAND PIPE
DWY.	DRIVEWAY
E/ELEC.	ELECTRIC
ELEV./EL.	ELEVATION
F.A.	FIRE ALARM
F.H.	FIRE HYDRANT
FL	FLOW LINE
FM	FORCE MAIN
G	GAS
G.I.	GRATED INLET
GMH	GAS MANHOLE
GND.	GROUND
G.P.	GUARD POST/GUY POLE/GATE POST
GV	GAS VALVE
G.W.	GUY WIRE
H	HEIGHT
H.B.	HOSE BIB
ICV	IRRIGATION CONTROL VALVE
INV.	INVERT
JTS	JOINT TRUNKING SYSTEM
L.P.	LAMP POLE
M.B.	MAIL BOX
MH	MANHOLE
O/H	OVERHEAD
PAV'T.	PAVEMENT
P.M.	PARKING METER
P.P.	POWER POLE
PSL	PEDESTRIAN SIGNAL LIGHT
REF.	REFLECTOR
S	SEWER OR SPREAD
SC	SIGNAL CORPS
SCMH	SIGNAL CORPS MANHOLE
SDMH	STORM DRAIN MANHOLE
S.L.	STREET LIGHT
SLB	STREET LIGHT BOX
SMH	SEWER MANHOLE
SPR.	SPRINKLER
ST. NAME	STREET NAME
STA.	STATION
TC	TOP CURB
TDC	TOP DROP CURB
T/TEL.	TELEPHONE
TP	TOP PIPE
TRC	TOP ROLLED CURB
TS	TOP STEM
TSL	TRAFFIC SIGNAL LIGHT
TSLB	TRAFFIC SIGNAL LIGHT BOX
TV	TOP VALVE
TW	TOP WALL
U.P.	UTILITY POLE
U.P./S.L.	UTILITY POLE W/STREET LIGHT
W	WATER
WM	WATER METER
WMH	WATER MANHOLE
WV	WATER VALVE BOX
X-WALK	CROSS WALK

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LEGEND AND ABBREVIATIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 1 OF 1 SHEETS

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WATER POLLUTION AND EROSION CONTROL NOTES

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 5	127

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 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 30 calendar days of contract execution. 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 30 calendar days of contract execution. 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. For projects without an NPDES Permit for Construction Activities, inspect all control measures weekly.

3. 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.

4. 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.

5. 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.

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

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

8. 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.

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

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

11. 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.

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WILSON OKAMOTO CORPORATION
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER POLLUTION AND EROSION CONTROL NOTES

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 1 OF 3 SHEETS

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DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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WATER POLLUTION AND EROSION CONTROL NOTES (CONT.)

12. 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.

13. 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.

14. For projects without an NPDES Permit for Construction Activities, complete initial stabilization within 14 calendar days after the temporary or permanent cessation of earth–disturbing activities.

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.
   b. Retain original labels and Safety Data Sheets (SDS), formerly Material Safety Data Sheets (MSDS).
   c. 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.

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APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER POLLUTION AND EROSION CONTROL NOTES

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 2 OF 3 SHEETS

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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 outside the project limits or State Right-of-Way, the Contractor shall be responsible for obtaining the required NPDES Construction Activities Permit using HDOT's latest Stormwater Pollution Prevention Plan (SWPPP) template to cover this additional disturbed area. See Hawaii Administrative Rules Chapter 11-55, Appendix C for the definition of land disturbance.

   The Contractor shall be responsible for 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

2. The Contractor's attention is directed to the applicable NPDES Permit documents on the bid package compact disc.

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://stormwaterhawaii.com/resources/contractors-and-consultants/storm-water-pollutionprevention-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.

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WATER POLLUTION AND EROSION CONTROL NOTES

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MILE POST 11.5 TO MILE POST 14.0
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Scale: None Date: August 2022

SHEET No. 3 OF 3 SHEETS

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KAUAI	HAW.	STP-0550(005)	2022	ADD. 8	127

GRADING NOTES:

TEMPORARY DUST CONTROL MEASURES FOR GRADING

1. The Graded or Project Site that is cleared of vegetation shall be kept damp with water continuously for Seven (7) days a week. At the end of each day, the Site shall be sufficiently dampened with water on a continual basis so that the site will remain moistened during the night.

2. The Contractor shall conduct his operations so that excavation, embankment and imported material shall be dampened with water on a continual basis to prevent dust problems.

3. In applying for a grading permit, the Contractor shall submit Plans, Schedules and/or Written Measures which provides for Dust Control. The Dust Control measures shall contain positive Statements which require Actions or Work that prevent Dust Problems. No Permit will be issued unless the County is assured that Dust and Erosion Problems will be minimized.

TEMPORARY EROSION CONTROL MEASURES FOR GRADING

1. Temporary Vegetative cover shall be planted within a period of 30 Calendar Days after the Site has been Graded or Bared of Vegetation or if the Site will be suspended for more than 30 Calendar Days.

2. Temporary Vegetative cover shall consist of 40 lbs. Common Rye Grass Seed per Acre 10-10-10 or equivalent fertilizer worked into the seed bed before planting. Temporary Sprinkler Systems is to be installed concurrently with all plantings. Planting and Maintenance of Grass shall conform to the "Hawai'i Standard Specifications for Road and Bridge Construction, 2005" and its Amendments.

PERMANENT EROSION CONTROL MEASURES FOR GRADING

1. The Contractor shall grass the entire Project Site, except paved areas with bermuda grass sprigs. The grass shall be planted, fertilized, and maintained in accordance with the "Hawai'i Standard Specifications for Road and Bridge Construction, 2005" and its Amendments.

2. The Contractor shall grass all exposed areas that have been constructed to final grades within a period of 30 Calendar Days.

3. In lieu of grass sprigs (Note 1), the Contractor may use Hydromulch Seeding and Irrigation Sprinkler System.

GRADING PHASES

1. When Grading Work is done in Phases, the Engineer must accept the Completed Phase prior to start of work on the next phase. Even after a completed phase has been accepted, the grassing or other means of stabilization must be maintained until project completion.

ENVIRONMENTAL CONTROL NOTES FOR GRADING:

1. In Accordance with Chapter 11-60.1, Air Pollution Control, Title 11, Hawai'i Administrative Rules, the Property Owner/Developer shall be responsible for ensuring that effective control measures are provided to minimize or prevent any visible dust emission caused by the construction work from impacting the surrounding areas including the off-site roadways used to enter/exit the project. These measures include but are not limited to the use of water wagons, sprinkler systems, dust fences, etc.

2. In Accordance with Chapter 11-55, Water Pollution Control and Chapter 11-54 Water Quality Standard, Title 11, Hawai'i Administrative Rules, the Property Owner/Developer shall be responsible for ensuring that the Best Management Practice (BMP) to minimize or prevent the discharge of sediments, debris and other water pollutant into State Waters are provided at all times.

3. In Accordance with Chapter 11-58, Solid Waste Management Control, Title 11, Hawai'i Administrative Rules, the Property Owner/Developer shall be responsible for ensuring the grub material, demolition waste and construction waste generated by the project are disposed of in a manner or at a site approved by the State Department of Health. Disposal of any of these wastes by burning is prohibited.

4. The Property Owner/Developer shall be responsible for obtaining and paying for all Applicable Permits from the Department of Health including but not limited to National Pollutant Discharge Elimination System (NPDES), Notice of Intent and General Permit for Storm Water, Hydrostatic Test and Dewatering Discharges prior to Grading or Grubbing work over an area of one acre of more.

5. After each Rainfall Event, the Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways and other areas. The cost incurred for any necessary remedial action by the County Engineer shall be payable by the Contractor.

6. Best Management Practices (BMP's) shall be employed at all times to the maximum extent practicable to prevent damage by Sedimentation, Erosion or Dust to Streams, Watercourse, Natural Areas and the Property of Others.

7. The Contractor shall comply with National Pollutant Discharge Elimination Systems (NPDES) Permit Requirements for all projects which will disturb one (1) acre or more of land.

8. In Accordance with Chapter 11-46, Community Noise, Hawai'i Administrative Rules, the Property Owner/Developer shall be responsible for providing effective Control Measures to minimize or prevent Construction related noise from impacting the residents in the immediate area. If required, noise reduction measures shall be implemented by the Contractor during the Construction Work.

9. The Property may harbor rodents which will be dispersed to the surrounding areas when the site is cleared. In Accordance with Chapter 11-26, entitle Vector Control of Title 11, HAR, the Applicant shall ascertain the presence or absence of rodents on the property. Should the presence of rodents be determined, the Applicant shall eradicate the rodents prior to clearing the site.

10. A copy of the Plans, Construction Schedule and/or Written Measures that is required to be submitted by the Contractor (Dust Control Measures/Plans) should also be sent to the Department of Health for Monitoring Purposes.

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING NOTES

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 1 OF 1 SHEETS

COPY OF ORIGINAL TRACING

ADD 8

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 9	127

CONSTRUCTION NOTES FOR TRAFFIC CONTROL PLAN

1. The Contractor shall make adjustments at intersections, driveways, bridges, 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 toward 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. Flaggers and/or Police Officers shall be in sight of each other or in direct communication at all times.
6. When required, the Contractor shall install a flashing arrow signal as shown on the Traffic Control Plans.
7. Sign Spacing (D), Taper Lengths (T) and Spacing of Cones or Delineators shall be as shown in Table 1, unless otherwise noted on the Traffic Control Plans.
8. All Traffic Lanes shall be a minimum of 10 feet wide.
9. All Construction Warning Signs shall be promptly removed or covered whenever the message is not applicable or not in use.
10. The backs of all Signs shall be promptly removed or covered to preclude the display of inapplicable Sign Messages (i.e. when Signs have Messages on both faces), whenever the messages are not applicable or not in use.
11. 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.
12. Replace permanent Pavement Markings and Traffic Signs upon Completion of Each Phase of Work.
13. Police Officers/Flaggers shall be present at all times.
14. All Workers within the State R/W who are exposed to either vehicles using the Roadway or to Construction Equipment shall wear high visibility safety apparel that meets the performance Class 2 or 3 requirements of ANSI/ISEA 107-2004. "Workers" are defined as people on foot whose duties place them within the Road Right of Way, such as, but not limited to Construction and Maintenance Forces, Equipment Operators, Survey Crew, Utility Crew, Responders to incidents (eg. EMT and Firemen), and Law Enforcement Personnel Directing Traffic, Investigating accidents, handling Lane Closures and Roadway Construction.
15. All Traffic Control Devices shall be reflectorized when used at night. Cones shall be equipped with reflectorized collar when used at night. Flashing lights shall be used with Barricades and Steady Burn Lights when used in a series for channelization. Flagger stations shall be adequately illuminated at night.
16. Contractor to provide access and/or direction signs to reroute pedestrian traffic.
17. The Contractor shall make every effort to minimize the use and duration of steel plates. All steel plates shall have a non-skid surfacing. The County may require the backfilling and patching of the trench due to the excessive use of steel plates.
18. The Contractor shall provide an adequate non-slip bridging material, including shoring over trenches in pavement areas. The bridging shall be able to support all types of vehicular and pedestrian traffic.
19. 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.
20. The Department of Accounting and General Services and its administratively attached Office of Enterprise Technology Services shall be provided with a copy of the construction schedule and kept apprised of the periods during which their access to their radio site along the path of the proposed improvements TMK [4] 1-2-001:009 may be restricted by the ongoing construction activity.

ORIGINAL PLAN
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL NOTES

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 1 OF 1 SHEETS

COPY OF ORIGINAL TRACING

ADD 9

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 10	127

HISTORICAL PRESERVATION NOTES

1. If cultural materials, such as artifacts, burials, concentrations of shell or charcoal be discovered during construction, all earth-moving activity within and around the immediate discovery area shall cease immediately and the find shall be protected from further damage until a qualified archaeologist can assess the nature and significance of the find and recommend appropriate mitigation measures, if necessary.

2. If previously unidentified non-burial historic properties, or unanticipated effects are discovered, the Contractor shall follow Hawaii Administrative Rules (HAR) Chapter 13-280 "Rules Governing General Procedures for Inadvertent Discoveries of Historic Properties During a Project Covered by the Historic Preservation Review Process."

3. If human remains are discovered, Hawaii Administrative Rules Title 13, Subtitle 13, Chapter 300 states that further disturbances and activities shall cease in any area or nearby area suspected to overlie remains and the State Historic Preservation Division and the Police Department will be contacted. The appropriate process would then proceed in conformance with Hawaii Administrative Rules Section 13-300 Subchapter 4 "Procedures for Proper Treatment of Burial Sites and Human Skeletal Remains."

4. Culvert Heads and Wing Walls adjacent to the road along its alignment shall be avoided and appropriately protected in place with Construction Fencing for the duration of the project to avoid impacts that may result from Heavy/Large Mechanical Equipment especially during road resurfacing and reconstruction work. The fencing installation and maintenance of the protective fencing will be the responsibility of the Contractor.

5. Contractor to provide Photographs of the installation of the Construction Fence to HDOT prior to the construction of the project. Each photo shall be described and presented together in an organized format.

6. Contractor to repair or reconstruct head or wing walls unexpectedly affected by the project using visually similar materials and the same method of construction to reflect the type and period of the original structure with prior approval from HDOT and SHPD. In the event of an incident, the Contractor shall contact HDOT (Randall Haraguchi at 808-241-3023) at the time of the incident and prior to undertaking any repair or reconstruction work. HDOT shall then consult with SHPD on the proposed response actions for the Contractor to follow.

7. Sediment or Debris removal from the culverts or other cleaning for maintenance of the drainages shall be primarily done by hand with Handheld Tools. Such Hand Tools include, but are not limited to shovels, chainsaws, machetes, weed eaters, and clippers. During work to clear the culverts, care shall be exercised to avoid any disturbance to the culverts, including the culvert head and wing walls, that may result with the use of Heavy/Large Mechanical Equipment,

WATER QUALITY AND AQUATIC BIOTA PROTECTION NOTES

1. Minimize turbidity and siltation from project-related work. Use effective silt containment devices and curtail work during adverse weather conditions.

2. Prior to use, clean pollutants from all project-related materials and equipment (dredges, barges, backholes, etc.) that will be placed in the water.

3. No stockpiling of project-related materials (fill, revetment rock, pipe, etc.) in the water.

4. Dispose of all debris removed from aquatic environments at an approved upland or ocean dumping site.

5. Prevent contamination (trash or debris disposal, non-native species introductions, attraction of non-native pests, etc.) of aquatic habitants from project-related activities. Implement a litter-control plan and develop hazard analysis and control point plan to prevent attraction and introduction of non-native species.

6. Fuel project-related vehicles and equipment away from the water and develop a contingency plan to control petroleum products accidentally spilled during the project. Store absorbent pads and containment booms on-site, if appropriate, to facilitate the clean-up of accidental petroleum releases.

7. Protect under-layer fills from erosion with stones (or core-loc units) as soon after placement as practicable.

8. Protect any soil exposed near water as part of the project from erosion (with plastic sheeting, filter fabric, etc.) after exposure and stabilize as soon as practicable (with native or non-invasive vegetation matting, hydroseeding, etc.).

AVIAN RESOURCES PROTECTION NOTES

1. Nēnē in or near the project area shall not be approached, fed, or disturbed in any way.

2. All food and beverage waste shall be disposed of in appropriate covered trash receptacles.

3. If nēnē are observed loafing, foraging, or otherwise present within the project area during the breeding season (September 1 through April 30), a trained biologist familiar with nēnē nesting behavior will survey the area in and around the project area for nests prior to work each day. Surveys will be repeated after any subsequent delay of work of three or more days (during which the birds may attempt to nest).

4. If a nest is identified within a radius of 150 feet of the project area, or a previously undiscovered nest is found within the 150-foot radius after work begins, all work shall cease and the USFWS and the Department of Land and Natural Resources Division of Fish and Wildlife (DOFAW) Kaua'i will be contacted immediately for further guidance.

5. There shall be no feeding of birds or dogs on the project site.

6. In areas where known presence of nēnē or Hawaiian waterbirds (Hawaiian stilt, Hawaiian coot, Hawaiian common gallinule, or the Hawaiian duck) occurs, post implement and enforce reduced speed limits to inform project personnel and Contractors of the presence of these endangered species on-site.

7. Because water resources occur in the vicinity of the project site, employ USFWS Best Management Practices for Work in Aquatic Environments.

8. If any Hawaiian waterbirds are present during construction activities, then all activities within 100 feet shall cease and the bird shall not be approached. Do not conducted potentially disruptive activities or habitat alteration within this buffer. Work may only continue after the bird leaves the area of its own accord.

9. No streetlights shall be installed as part of the project.

10. As directed by the Engineer, the Contractor shall conduct additional training classes during the project to update all employees, subcontractors, suppliers, HDOT personnel and other personnel on new and/or updated information regarding the protection of seabirds and seabird fallout.

11. All temporary lights used for night work (between sunset and sunrise) shall contain less than 2% wavelengths less than 550 nm, be downward-facing and shielded so the bulb can only be seen from below bulb height. Temporary lights shall shall include but are not limited to flood lights, light towers, lights for construction equipment and other lights as determined by the Engineer. All traffic control devices, including warning lights, arrow boards, portable changeable message sign and other lighting device as determined by the Engineer shall be shielded.

12. Night work and the use of all temporary lights shall cease during the peak fallout period from September 15 through December 15.

13. Automatic motion sensor switches and controls shall be installed on all outdoor lights, or all outdoor lights shall be turned off when human activity is not occurring in the lighted area.

14. The Contractor shall furnish and maintain a small (approximately 10" x 12" x 19"), portable cat kennel on site to temporarily hold a downed seabird. The Contractor shall obtain acceptance of the cat kennel from the Engineer prior to use.

15. If a downed dead seabird is found, the Contractor shall contact the U.S. Fish and Wildlife Service (Ms. Megan Laut at 808-792-9400) within 24 hours.

16. If the downed seabird is alive, the Contractor shall:

    a. Pick up the seabird from behind as soon as possible using a clean towel, t-shirt or cloth by gently wrapping it around its back and wings.

    b. Place the seabird in the cat kennel and immediately contact the Save Our Shearwater program (Ms. Heather Young, Coordinator at 808-246-4348) for further instructions on where to deliver the seabird.

    c. Deliver the seabird to the location determined by the coordinator of the Save Our Shearwater program and as directed by the Engineer.

    d. Keep the seabird in a cool, quiet location and out of direct sunlight with adequate ventilation.

    e. The Contractor shall not feed, provide water, handle or release the seabird.

17. The Contractor shall maintain records of all downed seabirds for the duration of the project. The records shall include the date, time, location and condition (dead or alive) the seabird was found and delivered. Submit a copy of the records to the Engineer after finding each and every downed seabird.

SURVEY PLOTTED BY _____ DATE _____
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CHECKED BY _____

ORIGINAL PLAN
NOTE BOOK _____
No. _____

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HISTORICAL PRESERVATION AND PROTECTION NOTES

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 1 OF 2 SHEETS

COPY OF ORIGINAL TRACING

ADD 10

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 11	127

MAMALLIAN RESOURCES PROTECTION NOTES

1. There shall be no disturbance, removal or trimming of woody plants greater than 15 feet tall during the bat birthing and pup rearing season (June 1 through September 15).
2. Barbed wire shall not be used for fencing.

BIOLOGICAL RESOURCES NOTES

1. Minimize the movement of plant or soil material between work sites. Consult with the Kauai Invasive Species Committee (KISC) at (808) 821-1490 to learn of any high-risk invasive species in the area and ways to mitigate spread.
2. All equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of spreading invasive species. Gear that may contain soil, such as work boots and vehicles, should be thoroughly cleaned with water and sprayed with 70% alcohol solution to prevent the spread of Rapid Ohia Death and other harmful fungal pathogens.
3. The information and guidance at https://cms.ctahr.hawaii.edu/rod shall be reviewed and followed if ohia trees are present and will be removed, trimmed, or potentially injured.
4. Prior to commencing work, a survey for rare and endangered plants shall be conducted in all proposed construction areas taking place beyond the ROW. If any listed species are found, please notify DOFAW at (808) 587-0166.
5. No koa trees shall be removed.
6. Two species of sandalwood (Santalum freynetianum and S. ellipticum) occur in very limited abundance within the project area. Removal of these species of sandalwood shall be avoided.

ORIGINAL PLAN
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LICENSED PROFESSIONAL ENGINEER
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HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HISTORICAL PRESERVATION AND PROTECTION NOTES

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

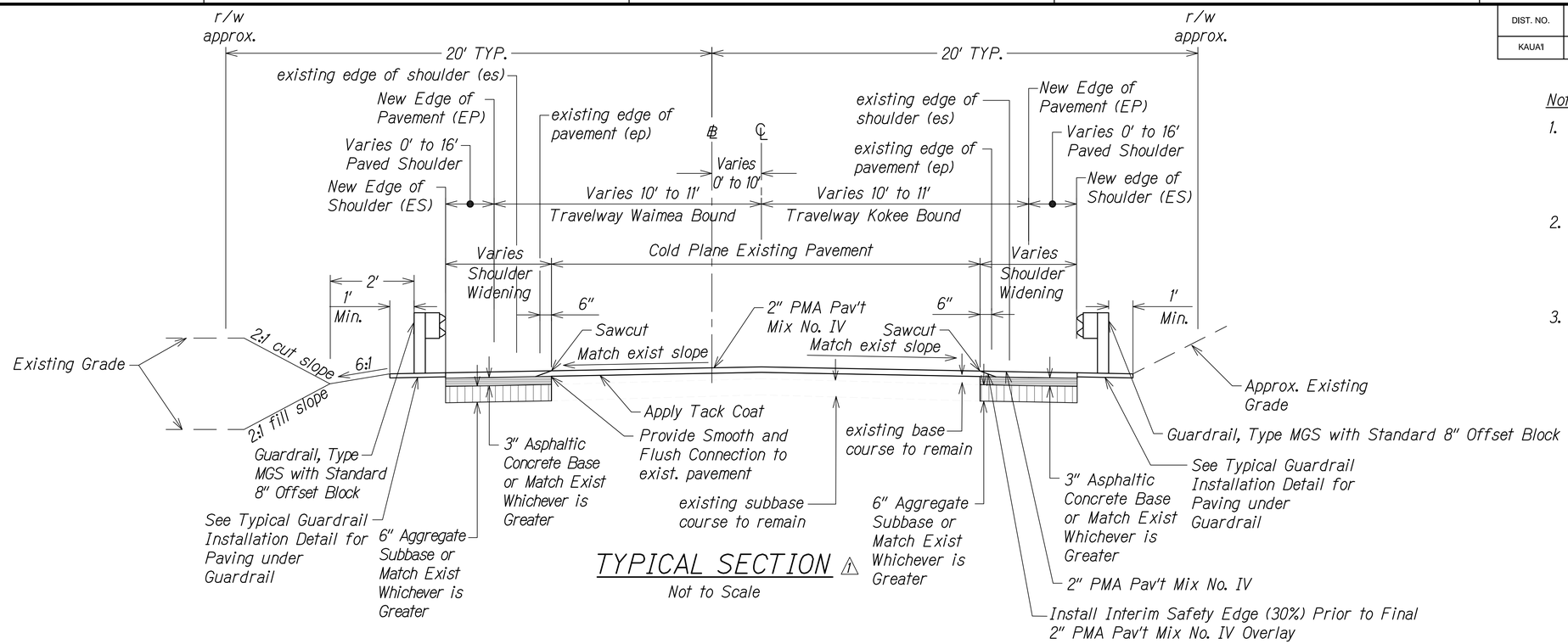
SHEET No. 2 OF 2 SHEETS

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

COPY OF ORIGINAL TRACING

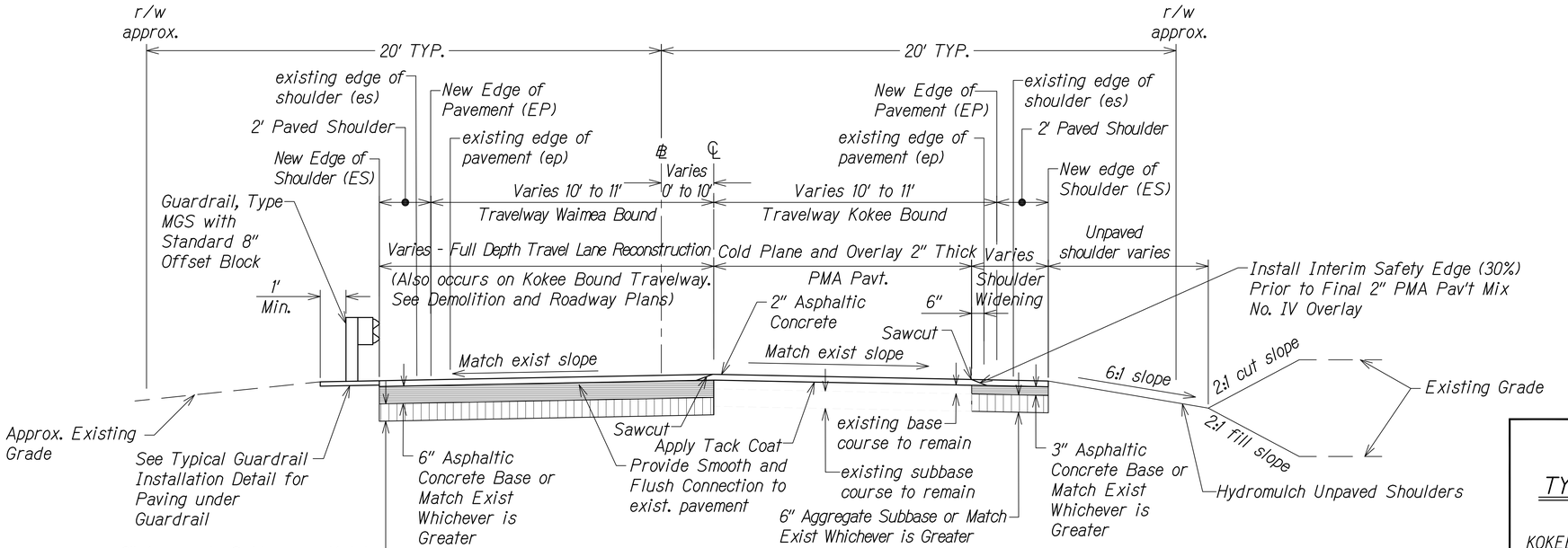
ADD 11

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 12	127



TYPICAL SECTION ⚠

Not to Scale



Typical Section - Full Depth Travel Lane Reconstruction ⚠

Not to Scale

Notes:

1. Recompact Subgrade to 95% Relative Compaction Before Placing New Pavement Structure.
2. See Demolition and Erosion Control Plans, and Roadway Plans for Additional Paving Location and Instruction.
3. If Softer Soils are Encountered, Add a Biaxial or Triaxial Geogrid (BCR of 0.5 to 0.6) on Top of Geotextile.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROAD SECTION

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

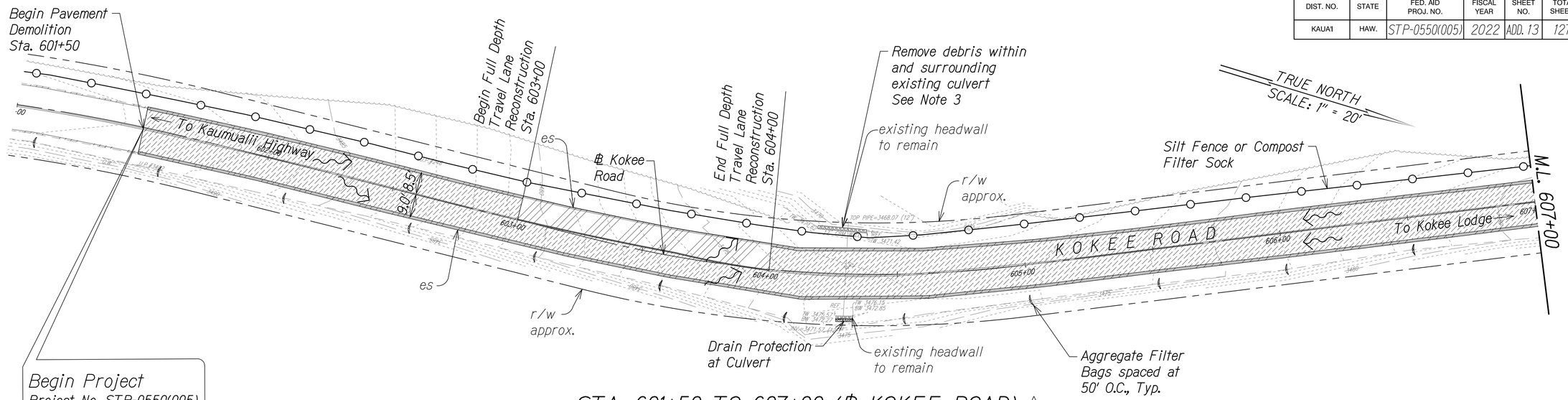
Scale: Date: August 2022

SHEET No. 1 OF 1 SHEETS

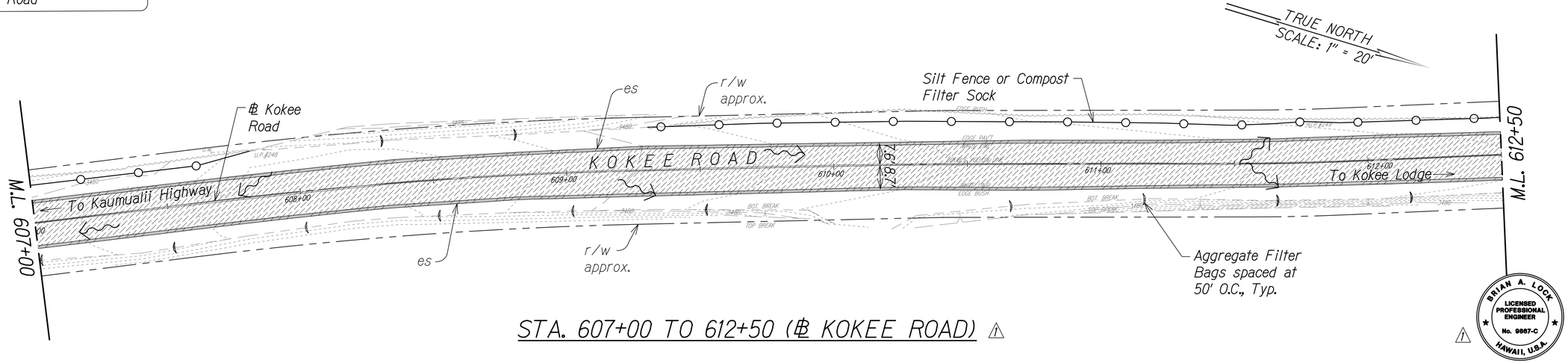
COPY OF ORIGINAL TRACING

ADD 12

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 13	127



STA. 601+50 TO 607+00 (℄ KOKEE ROAD) ⚠



STA. 607+00 TO 612+50 (℄ KOKEE ROAD) ⚠

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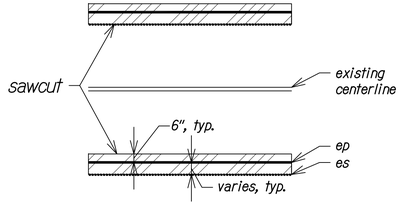
Notes

1. Coordinate Guardrail Replacement with Roadway Plan.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.
3. See Historical Preservation Notes.

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock
- Drain Protection at Culvert

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'



TYPICAL SHOULDER FULL DEPTH PAVT DEMO

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DATE	REVISION
11/07/22	⚠1 Revised Demolition Extents & Callouts; Revised Engineer's Stamp

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 1 OF 13 SHEETS

ORIGINAL PLAN
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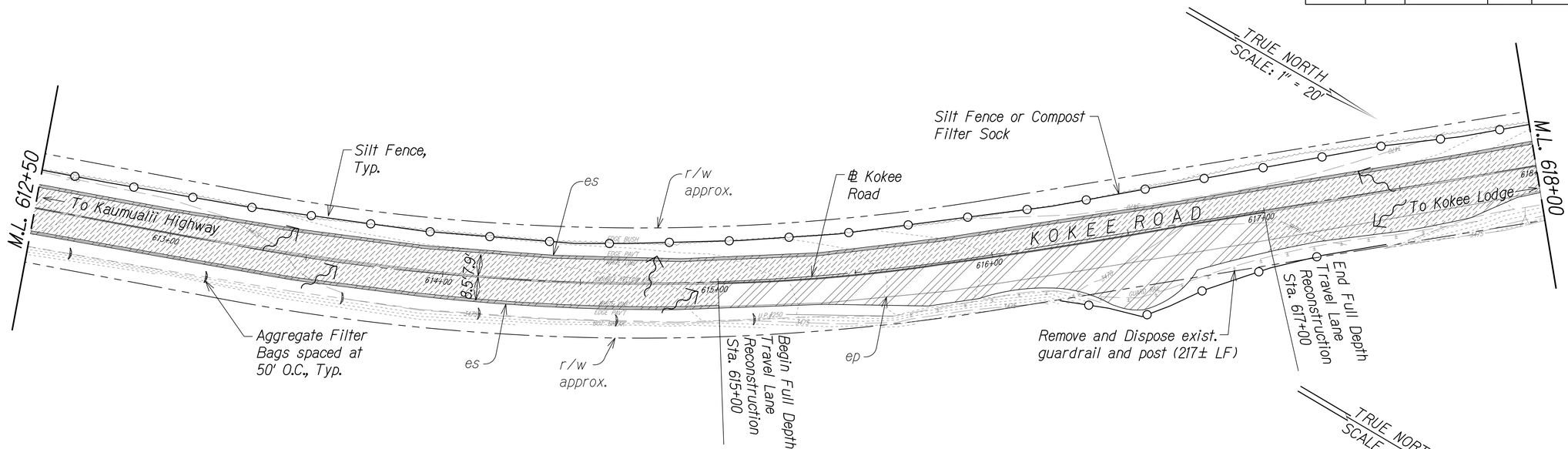
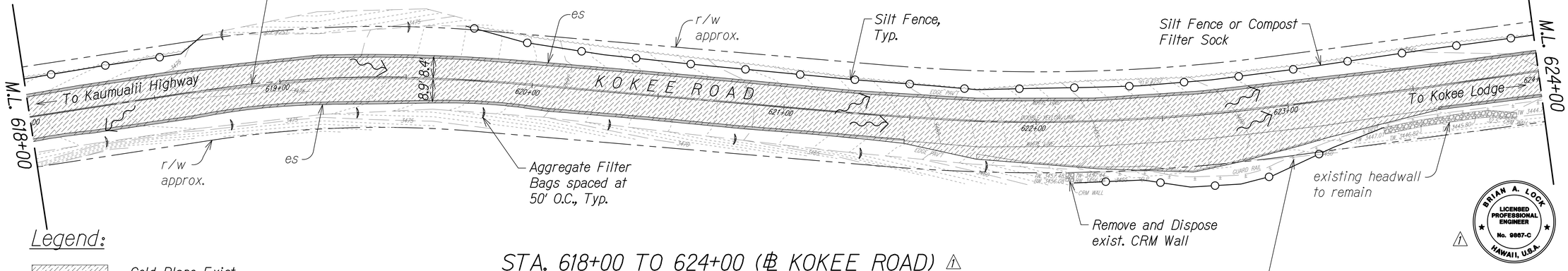
ADD 13

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 14	127



STA. 612+50 TO 618+00 (℄ KOKEE ROAD) ⚠1



STA. 618+00 TO 624+00 (℄ KOKEE ROAD) ⚠1

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Notes

1. Coordinate Guardrail Replacement with Roadway Plan.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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APRIL 30, 2024
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STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

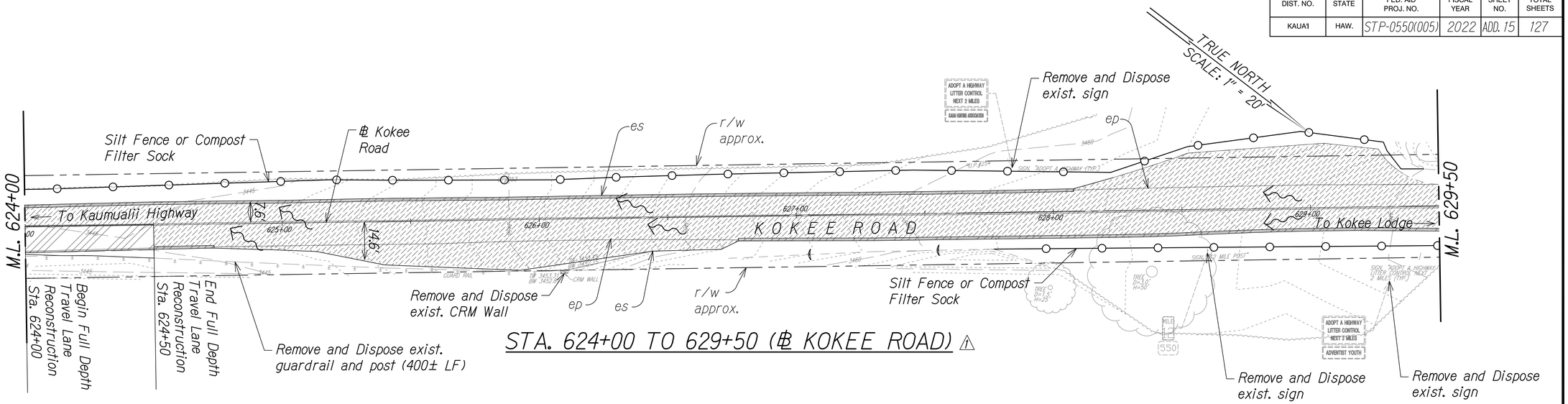
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

DATE	REVISION
11/07/22	⚠1 Revised Demolition Extents & Callouts; Revised Engineer's Stamp

SHEET No. 2 OF 13 SHEETS

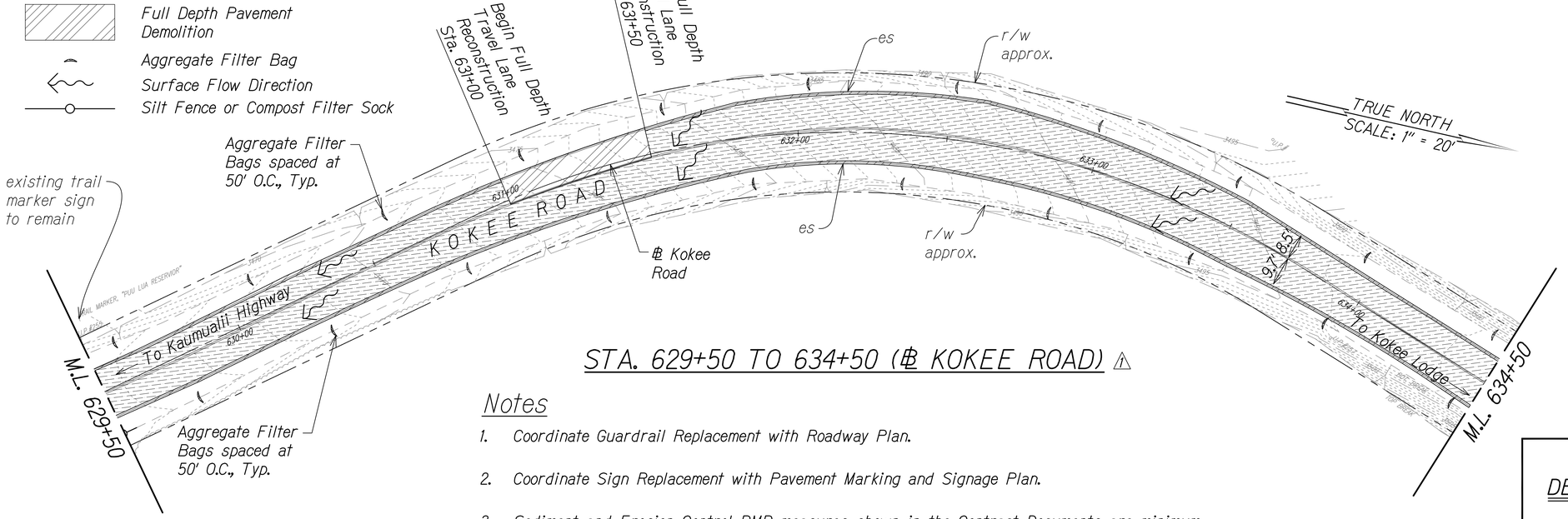
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 15	127



STA. 624+00 TO 629+50 (℄ KOKEE ROAD) ⚠

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock



STA. 629+50 TO 634+50 (℄ KOKEE ROAD) ⚠

Notes

1. Coordinate Guardrail Replacement with Roadway Plan.
2. Coordinate Sign Replacement with Pavement Marking and Signage Plan.
3. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

DATE	REVISION
11/07/22	⚠1 Revised Demolition Extents & Callouts; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

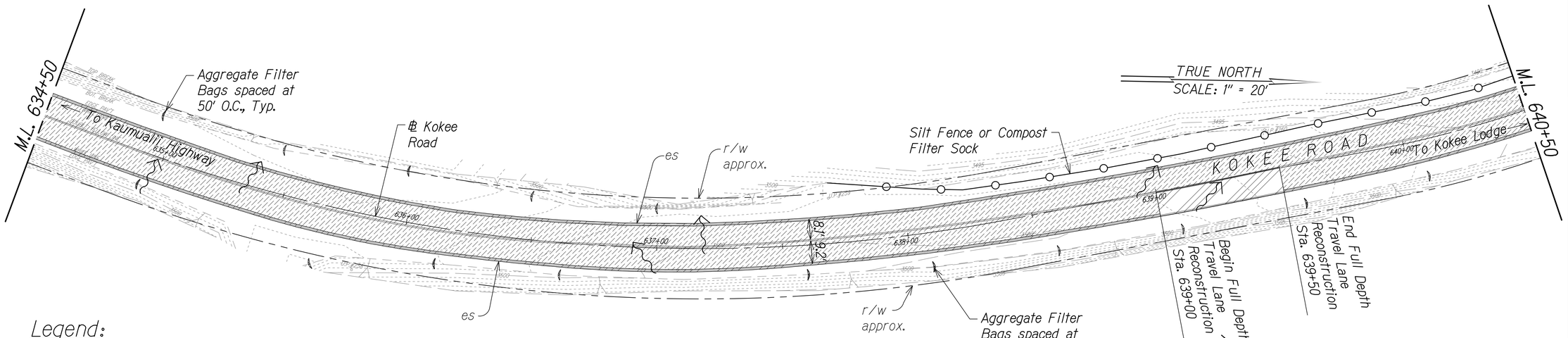
Scale: 1" = 20' Date: August 2022

SHEET No. 3 OF 13 SHEETS

COPY OF ORIGINAL TRACING

ADD 15

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 16	127



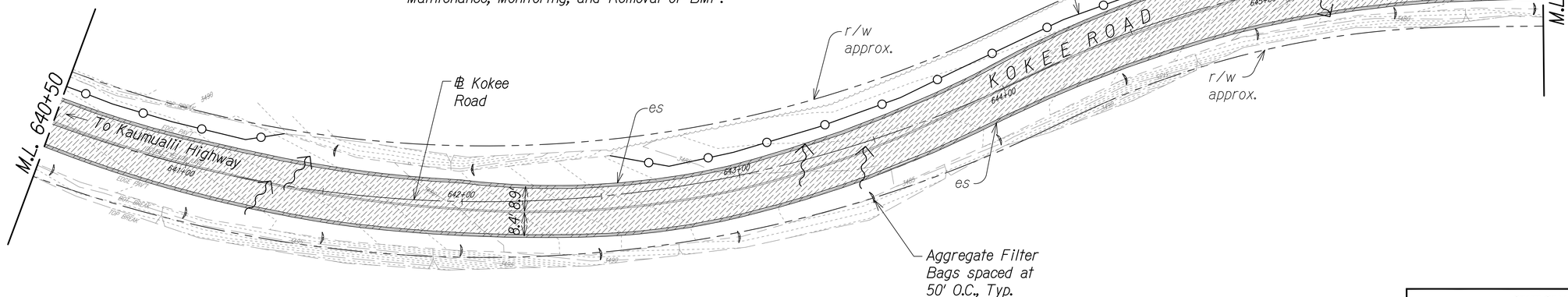
STA. 634+50 TO 640+50 (℄ KOKEE ROAD) ⚠

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock

Notes

Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.



STA. 640+50 TO 646+00 (℄ KOKEE ROAD) ⚠

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

BRIAN A. LOCK LICENSED PROFESSIONAL ENGINEER No. 9867-C HAWAII, U.S.A. ⚠1

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

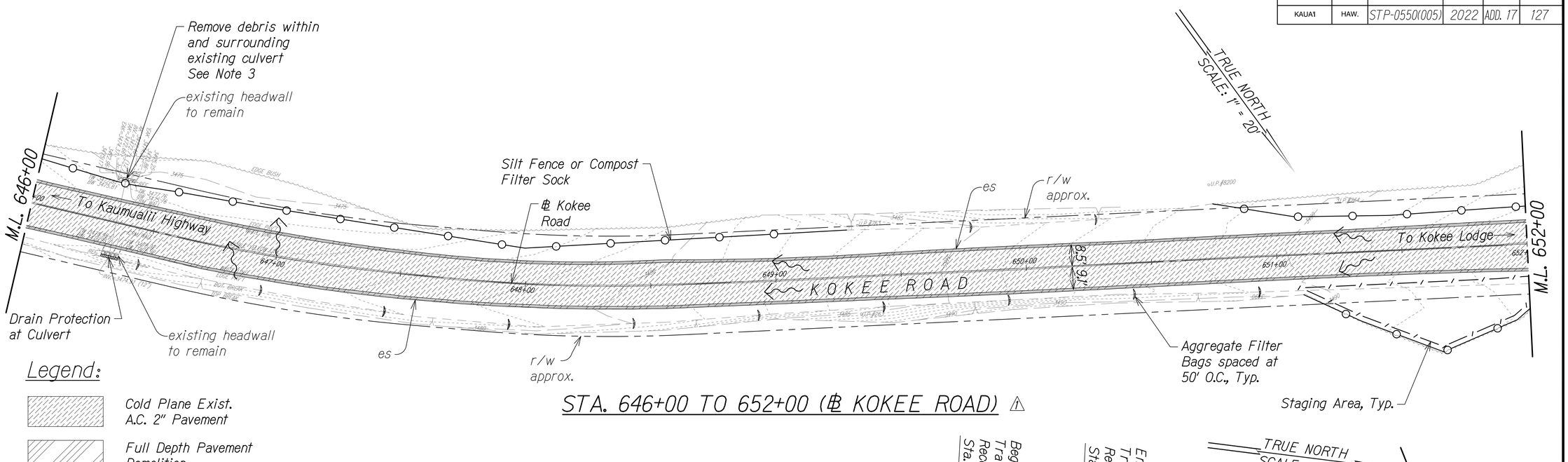
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

DATE	REVISION
11/07/22	⚠1 Revised Demolition Extents & Callouts; Revised Engineer's Stamp

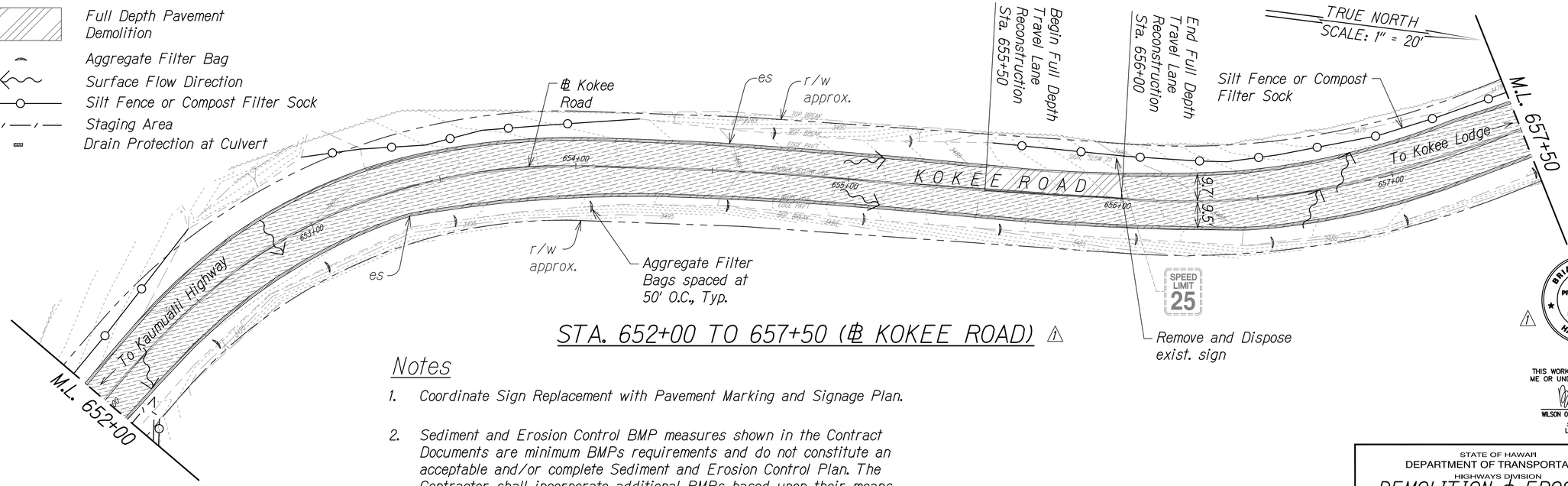
SHEET No. 4 OF 13 SHEETS

ADD 16

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 17	127



STA. 646+00 TO 652+00 (℄ KOKEE ROAD) ⚠



STA. 652+00 TO 657+50 (℄ KOKEE ROAD) ⚠

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock
- Staging Area
- Drain Protection at Culvert

Notes

1. Coordinate Sign Replacement with Pavement Marking and Signage Plan.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.
3. See Historical Preservation Notes.

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠1 Revised Demolition Extents & Callouts; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

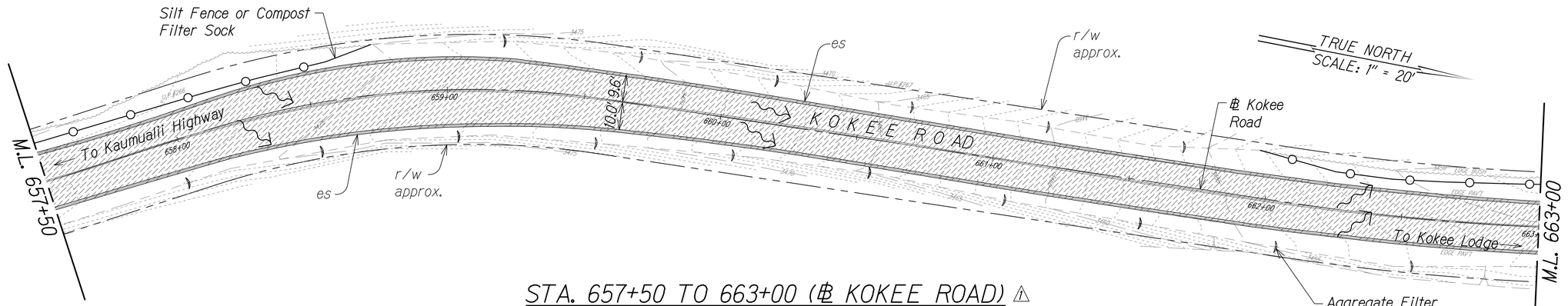
SHEET No. 5 OF 13 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 17

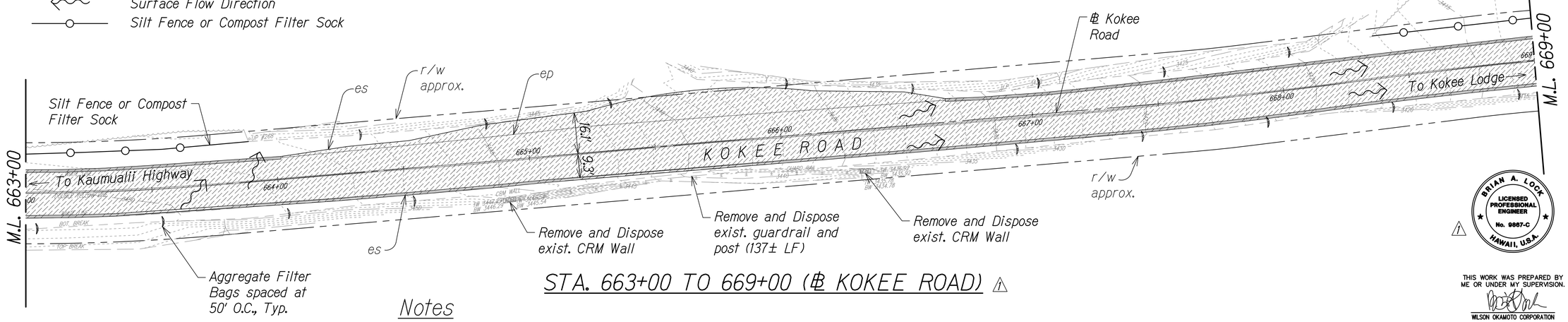
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 18	127



STA. 657+50 TO 663+00 (℄ KOKEE ROAD) ⚠

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock



STA. 663+00 TO 669+00 (℄ KOKEE ROAD) ⚠

Notes

1. Coordinate Guardrail Replacement with Roadway Plan.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

DATE	REVISION
11/07/22	⚠ Revised Demolition Extents & Callouts; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

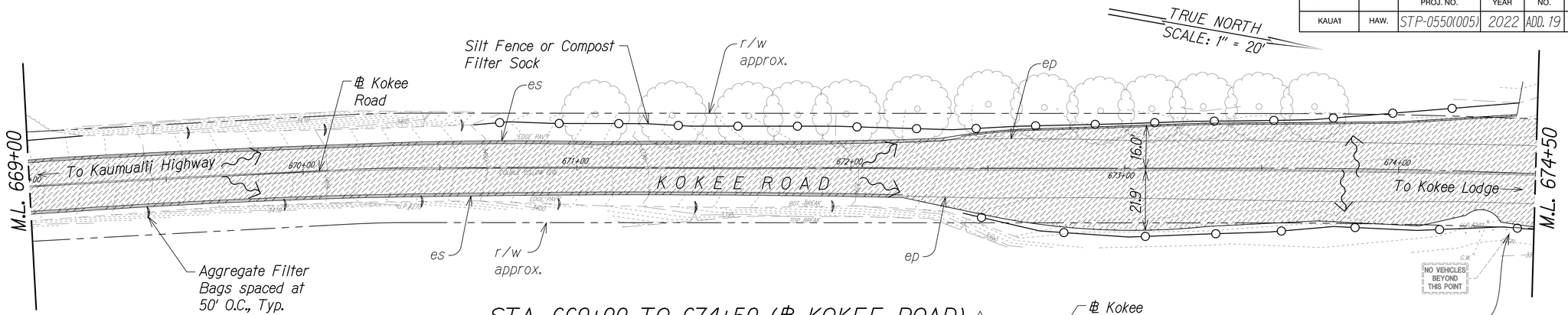
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 6 OF 13 SHEETS

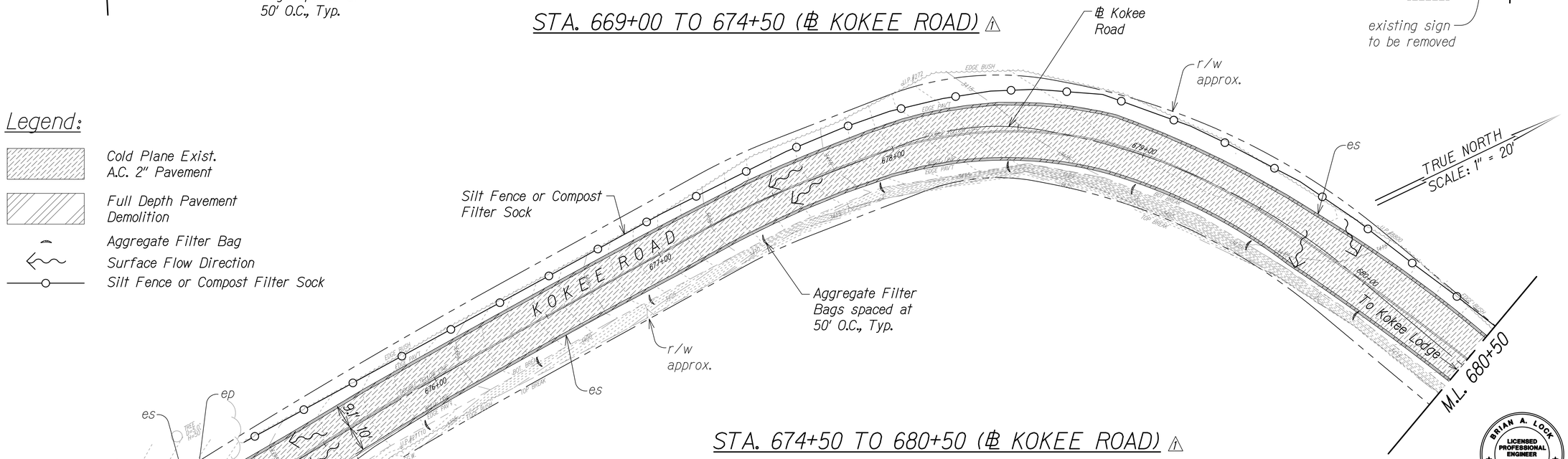
COPY OF ORIGINAL TRACING

ADD 18

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 19	127



STA. 669+00 TO 674+50 (℄ KOKEE ROAD) ⚠1



STA. 674+50 TO 680+50 (℄ KOKEE ROAD) ⚠1

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock

Notes

1. Coordinate Sign Replacement with Pavement Marking and Signage Plan.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.
3. Trim trees to ensure traffic signs are visible. Coordinate with Pavement Marking and Signage Plan.

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

DATE	REVISION
11/07/22	⚠1 Revised Demolition Extents & Callouts; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

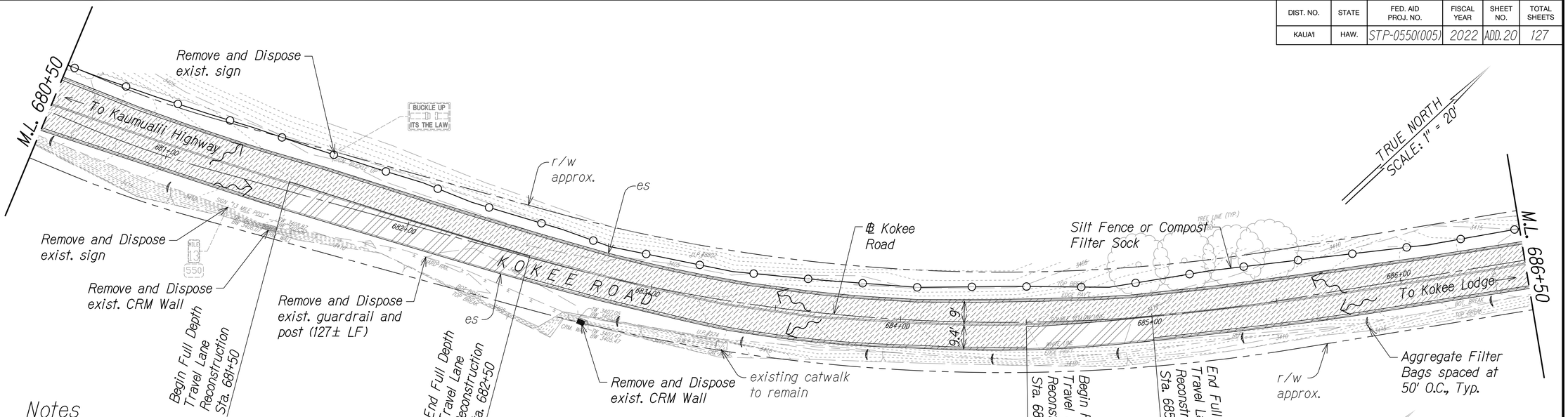
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 7 OF 13 SHEETS

COPY OF ORIGINAL TRACING

ADD 19

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 20	127



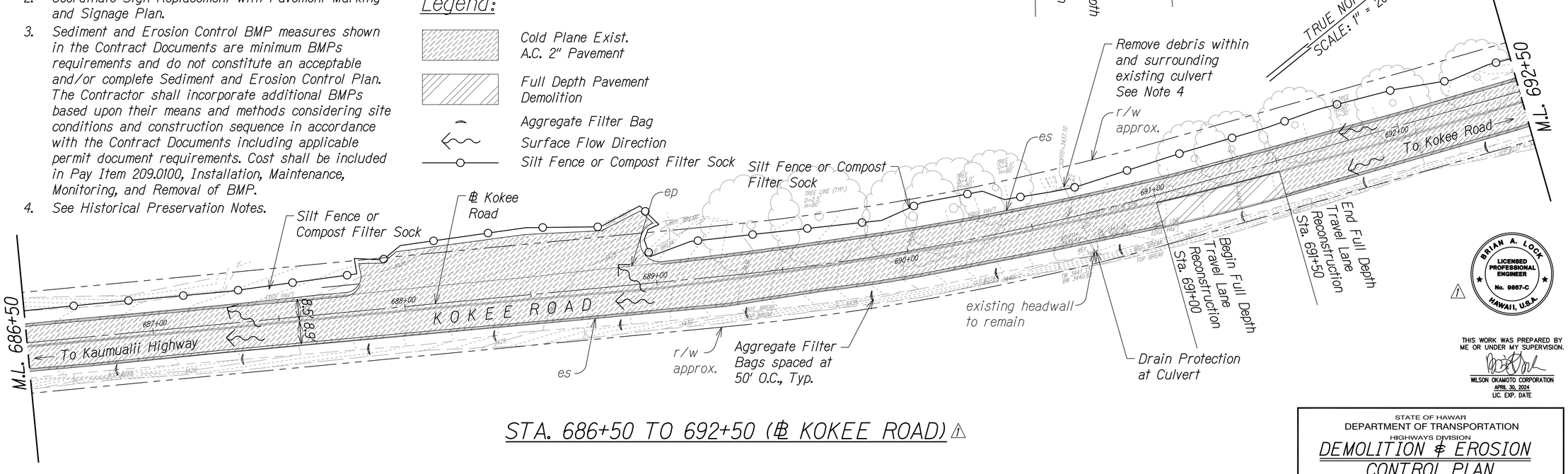
STA. 680+50 TO 686+50 (℄ KOKEE ROAD) ⚠

Notes

1. Coordinate Guardrail Replacement with Roadway Plan.
2. Coordinate Sign Replacement with Pavement Marking and Signage Plan.
3. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.
4. See Historical Preservation Notes.

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock



STA. 686+50 TO 692+50 (℄ KOKEE ROAD) ⚠

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION ℄ EROSION CONTROL PLAN

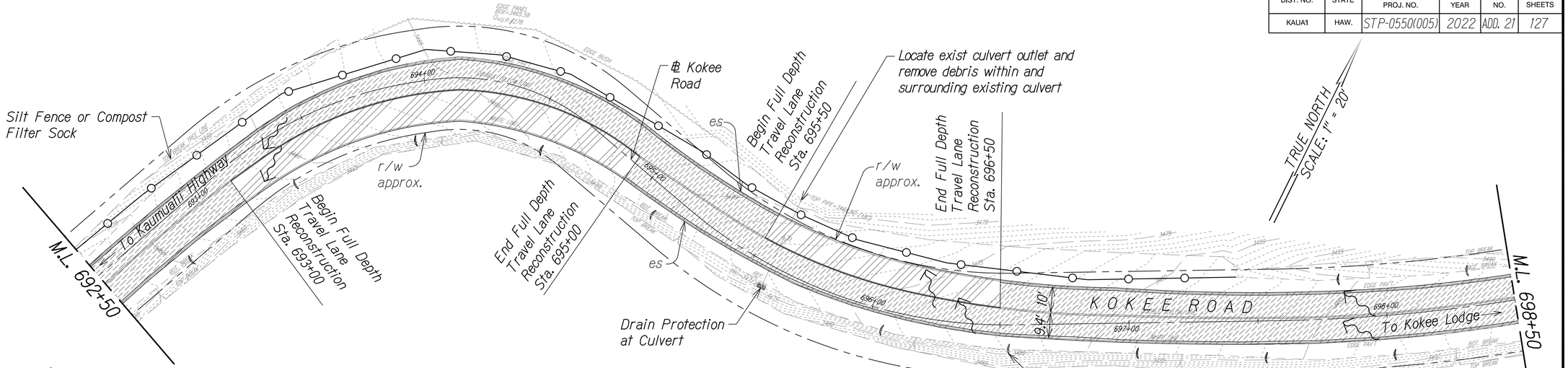
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

DATE	REVISION
11/07/22	⚠ Revised Demolition Extents ℄ Callouts; Revised Engineer's Stamp

SHEET No. 8 OF 13 SHEETS

ADD 20

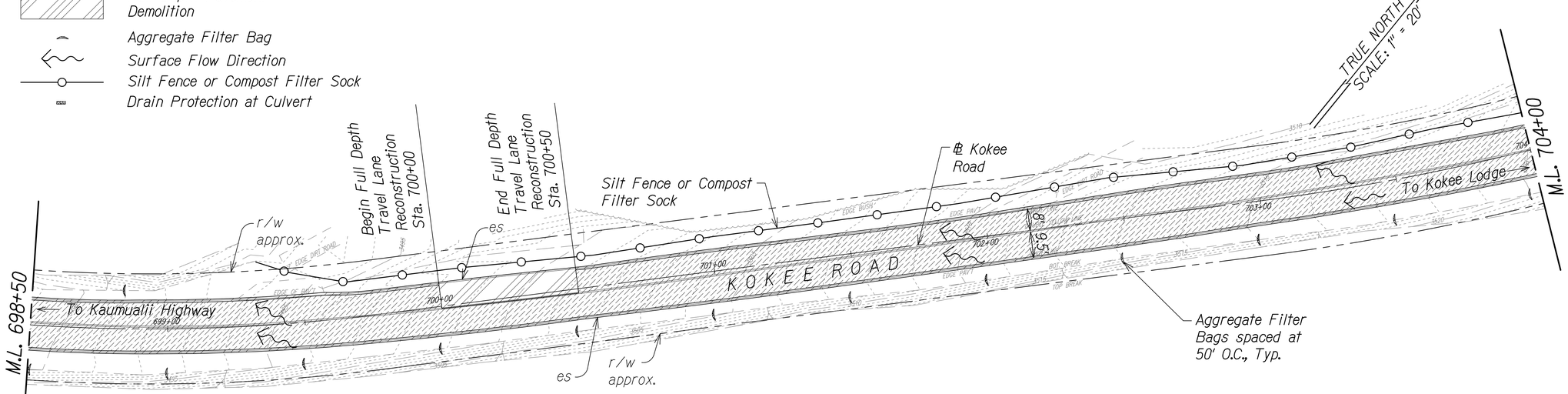
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 21	127



STA. 692+50 TO 698+50 (℄ KOKEE ROAD) ⚠

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock
- Drain Protection at Culvert



STA. 698+50 TO 704+00 (℄ KOKEE ROAD) ⚠

Notes

Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠ Revised Demolition Extents & Callouts; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

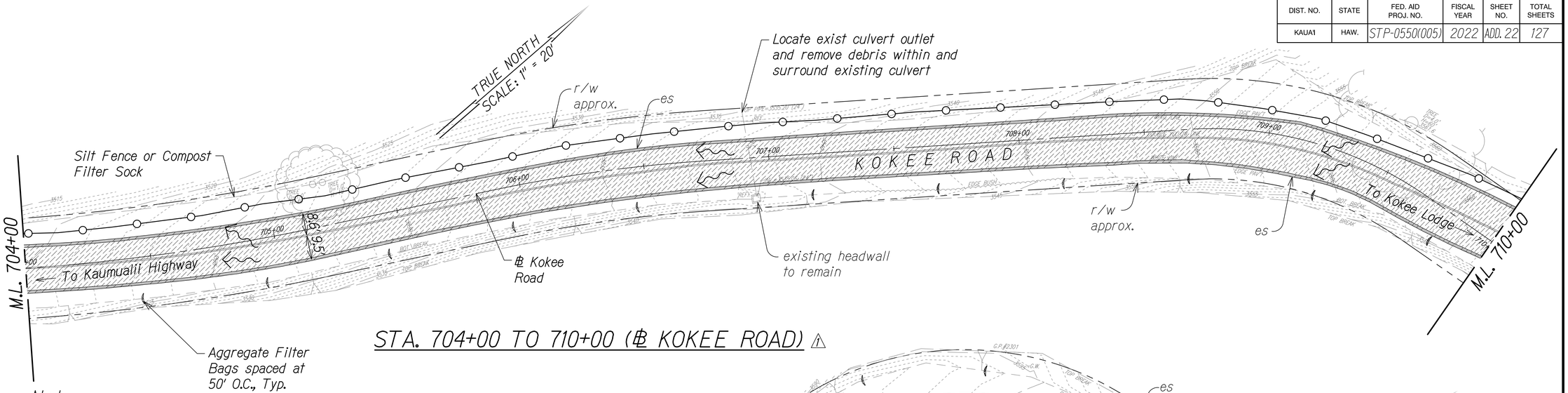
Scale: 1" = 20' Date: August 2022

SHEET No. 9 OF 13 SHEETS

COPY OF ORIGINAL TRACING

ADD 21

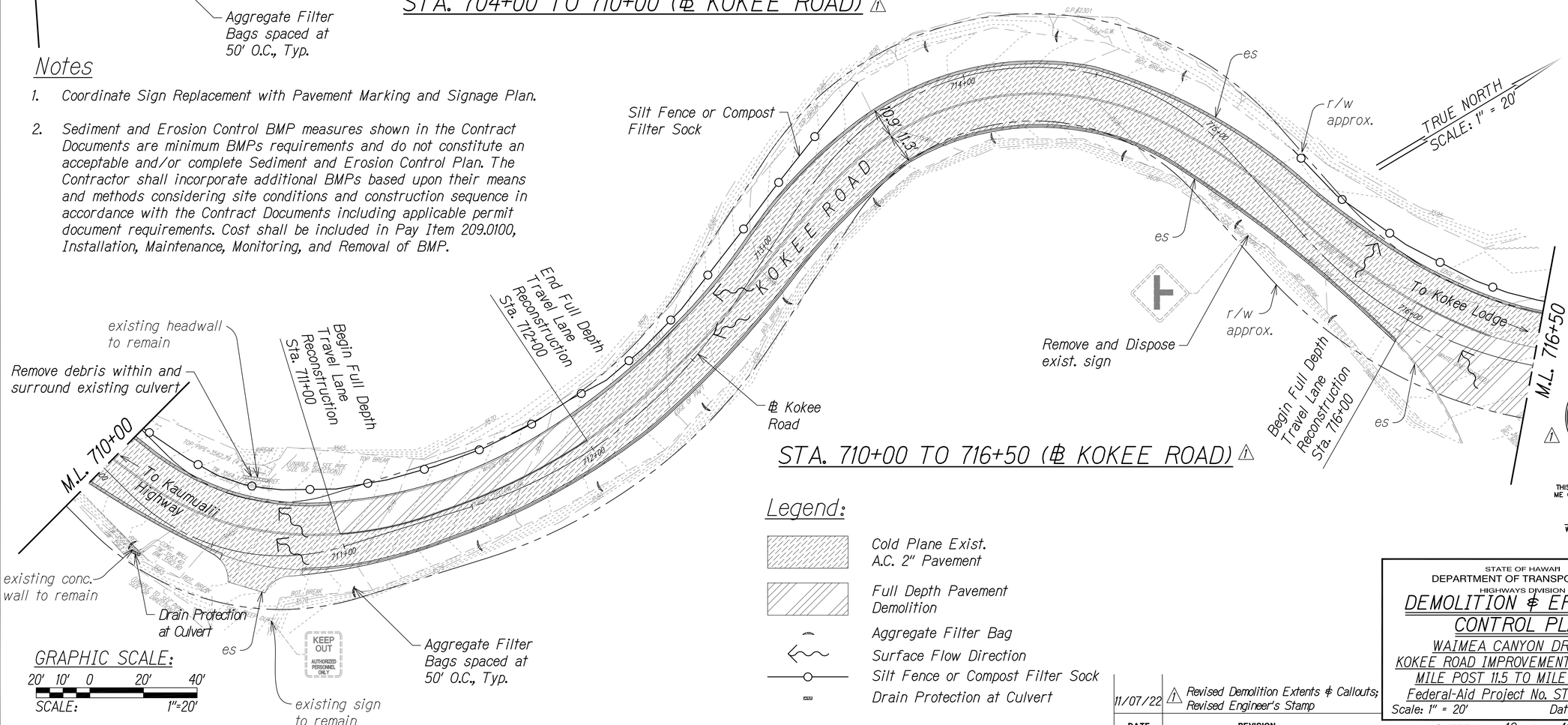
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 22	127



STA. 704+00 TO 710+00 (℄ KOKEE ROAD) ⚠1

Notes

1. Coordinate Sign Replacement with Pavement Marking and Signage Plan.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.



STA. 710+00 TO 716+50 (℄ KOKEE ROAD) ⚠1

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock
- Drain Protection at Culvert

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠1 Revised Demolition Extents & Callouts; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

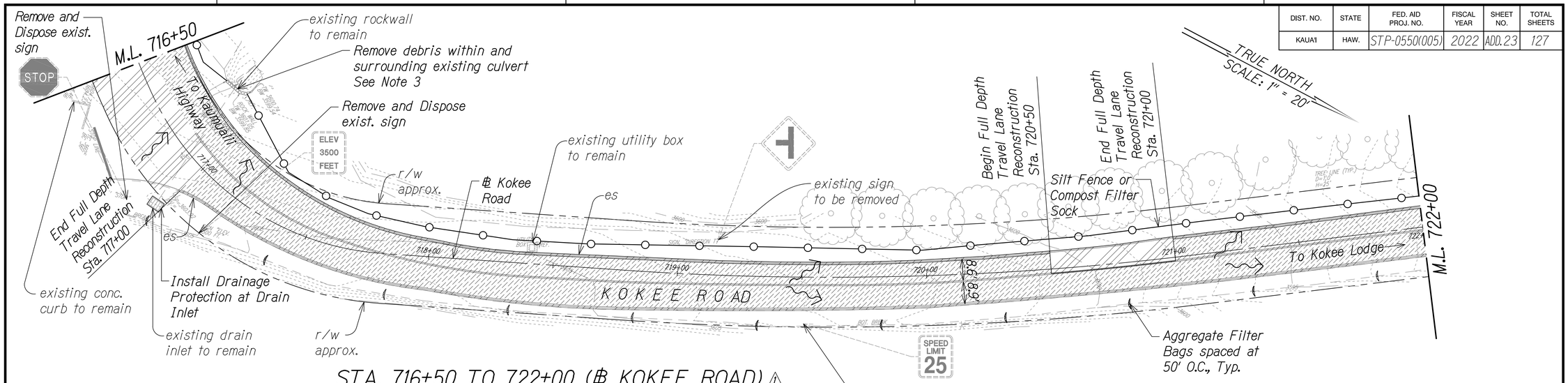
SHEET No. 10 OF 13 SHEETS

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

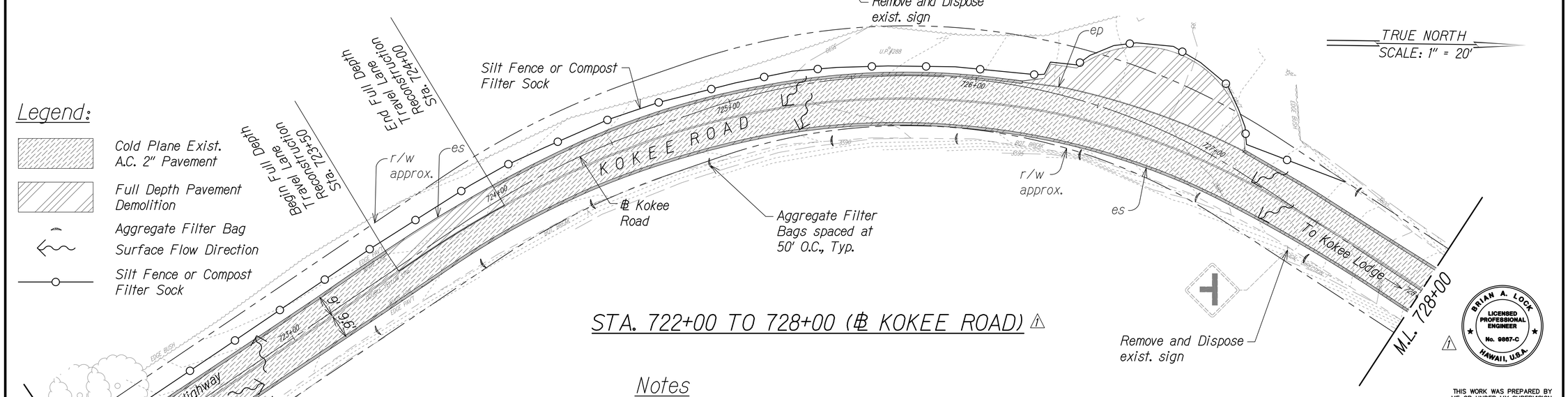
COPY OF ORIGINAL TRACING

ADD 22

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.23	127



STA. 716+50 TO 722+00 (℄ KOKEE ROAD) ⚠1



STA. 722+00 TO 728+00 (℄ KOKEE ROAD) ⚠1

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Notes

1. Coordinate Sign Replacement with Pavement Marking and Signage Plan.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.
3. See Historical Preservation Notes.

DATE	REVISION
11/07/22	⚠1 Revised Demolition Extents & Callouts; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

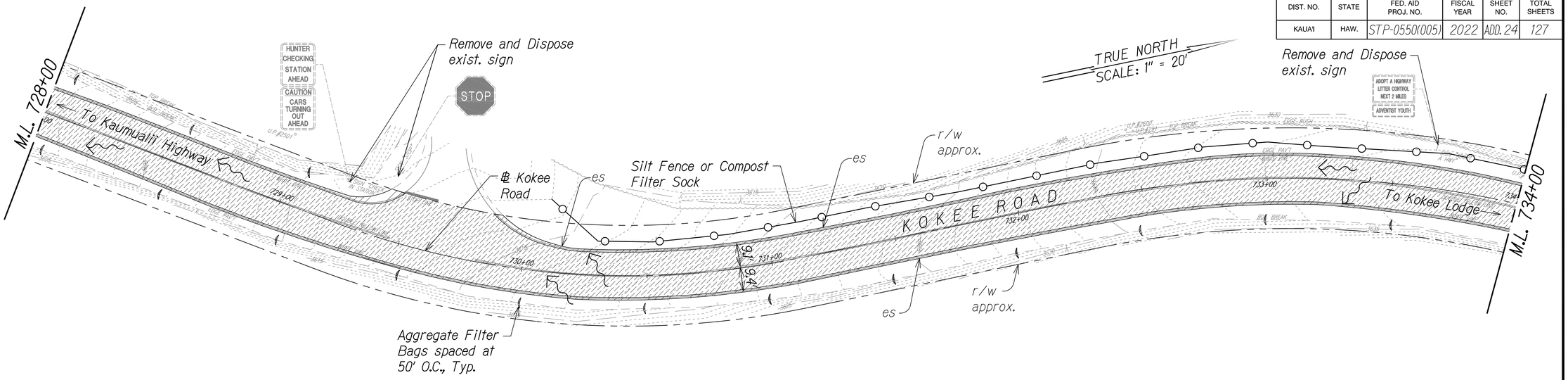
SHEET No. 11 OF 13 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 23

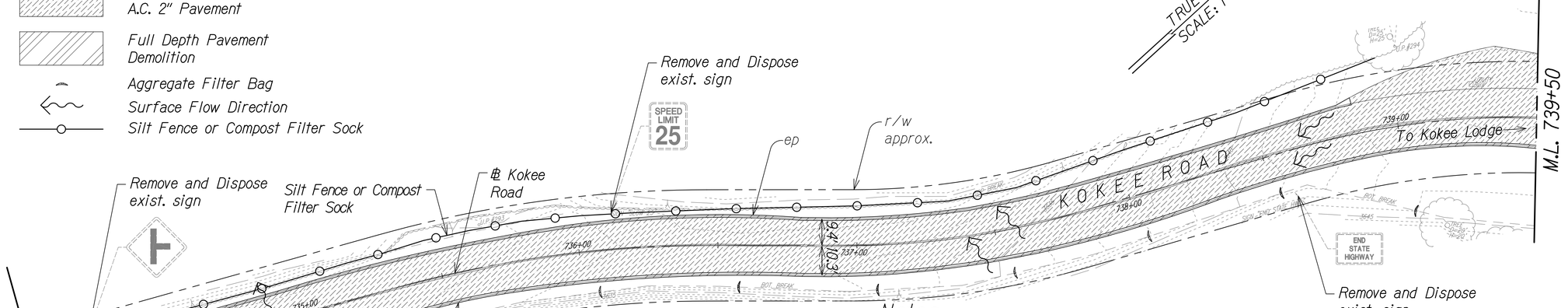
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 24	127



STA. 728+00 TO 734+00 (℄ KOKEE ROAD) ⚠

Legend:

- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock



STA. 734+00 TO 739+50 (℄ KOKEE ROAD) ⚠

Notes

1. Coordinate Sign Replacement with Pavement Marking and Signage Plan.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22 ⚠	Revised Demolition Extents & Callouts; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

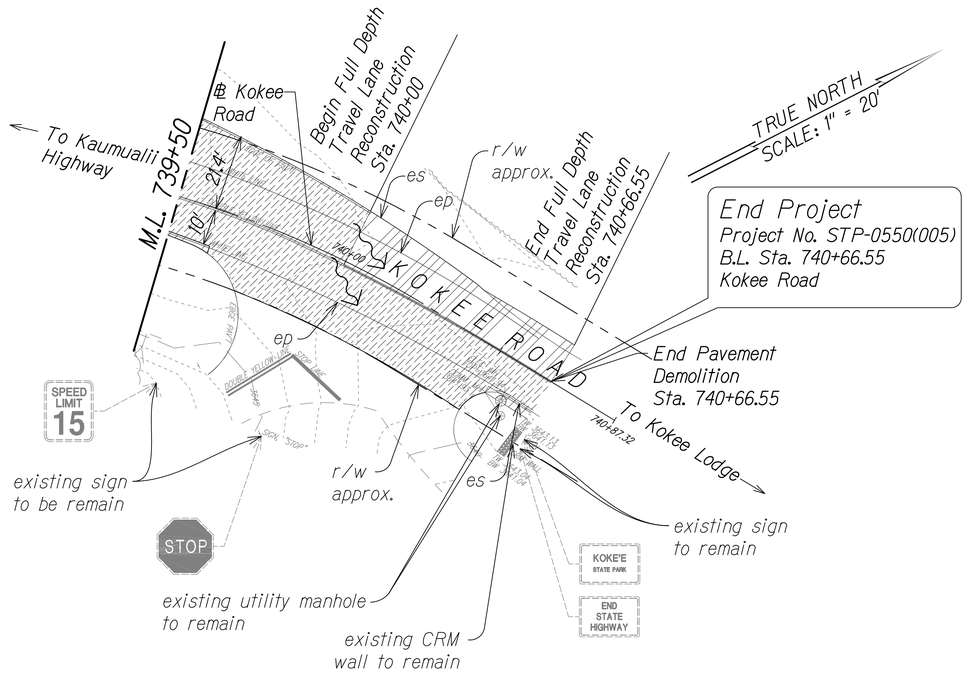
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 12 OF 13 SHEETS

COPY OF ORIGINAL TRACING

ADD 24

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 25	127



STA. 739+50 TO 740+66.55 (℄ KOKEE ROAD) ⚠

Notes

1. Coordinate Sign Replacement with Pavement Marking and Signage Plan.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs 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 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.

Legend:

Cold Plane Exist. A.C. 2" Pavement

Full Depth Pavement Demolition

Surface Flow Direction

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

ORIGINAL PLAN | NOTE BOOK | No.

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION & EROSION CONTROL PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

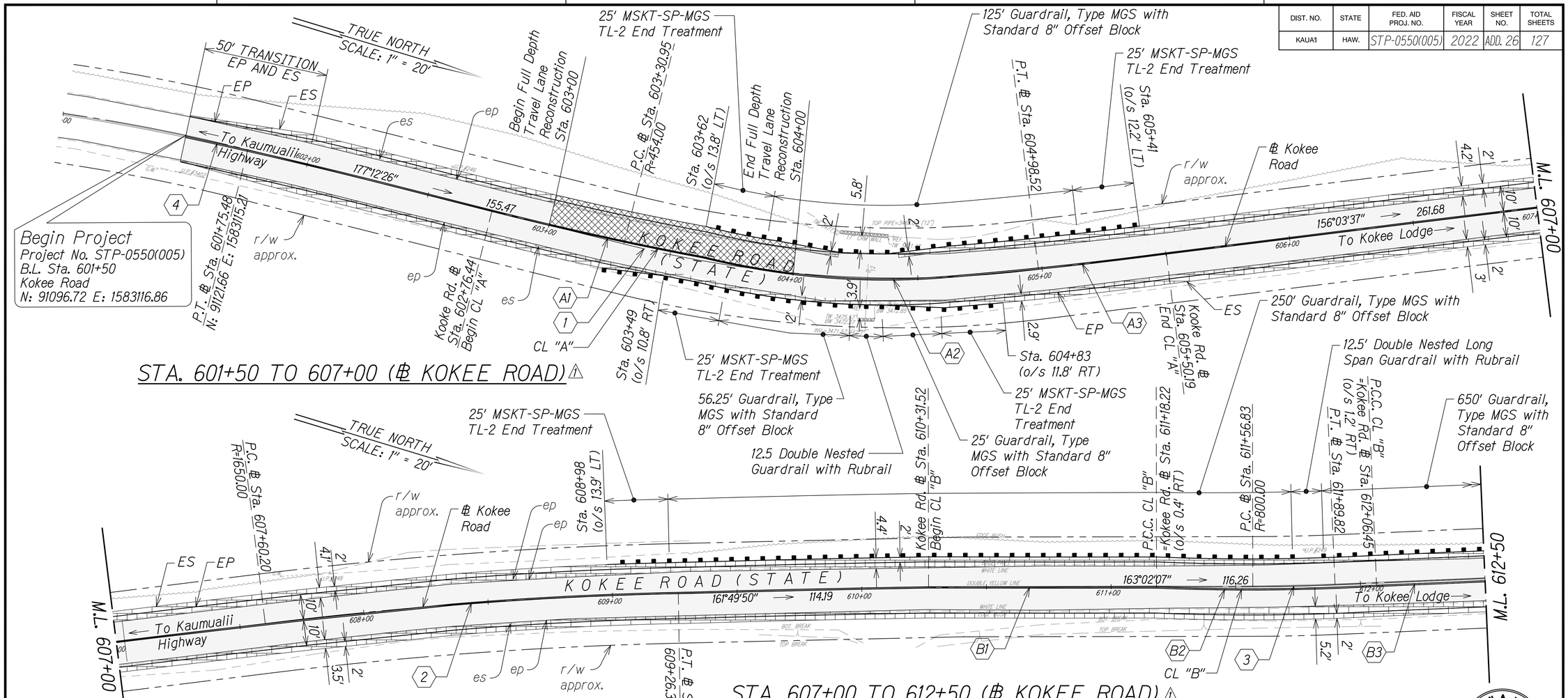
SHEET No. 13 OF 13 SHEETS

DATE	REVISION
11/07/22	⚠ Revised Demolition Extents & Callouts; Revised Engineer's Stamp

COPY OF ORIGINAL TRACING

ADD 25

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 26	127



℄ Kokee Road Curve Data					CL "A" Curve Data ⚠			CL "B" Curve Data ⚠		
	⟨1⟩	⟨2⟩	⟨3⟩	⟨4⟩	⟨A1⟩	⟨A2⟩	⟨A3⟩	⟨B1⟩	⟨B2⟩	⟨B3⟩
Δ	21°08'49"	5°46'13"	2°21'46"	2°09'22"	3°37'28"	18°03'33"	3°04'43"	0°13'34"	5°33'02"	0°02'17"
Δ/2	10°34'24"	2°53'06"	1°10'53"	1°04'41"	1°48'44"	8°01'47"	1°32'22"	0°06'47"	2°46'31"	0°01'08"
R	454'	1650'	800'	2394'	1371.92'	303.87'	1697.06'	21976.48'	911.37'	135960.18'
T	84.75'	83.16'	16.50'	13.98'	43.41'	48.29'	45.60'	43.35'	44.18'	45.06'
C	166.61'	166.10'	32.99'	90.08'	86.77'	95.38'	91.17'	86.70'	88.26'	90.13'
L_C	167.56'	166.17'	32.99'	90.11'	86.79'	95.38'	91.18'	86.70'	88.29'	90.13'

⚠ Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

Note:

1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

DATE	REVISION
11/07/22	⚠1 Revised Roadway Properties; Revised Engineer's Stamp

BRIAN A. LOCK
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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

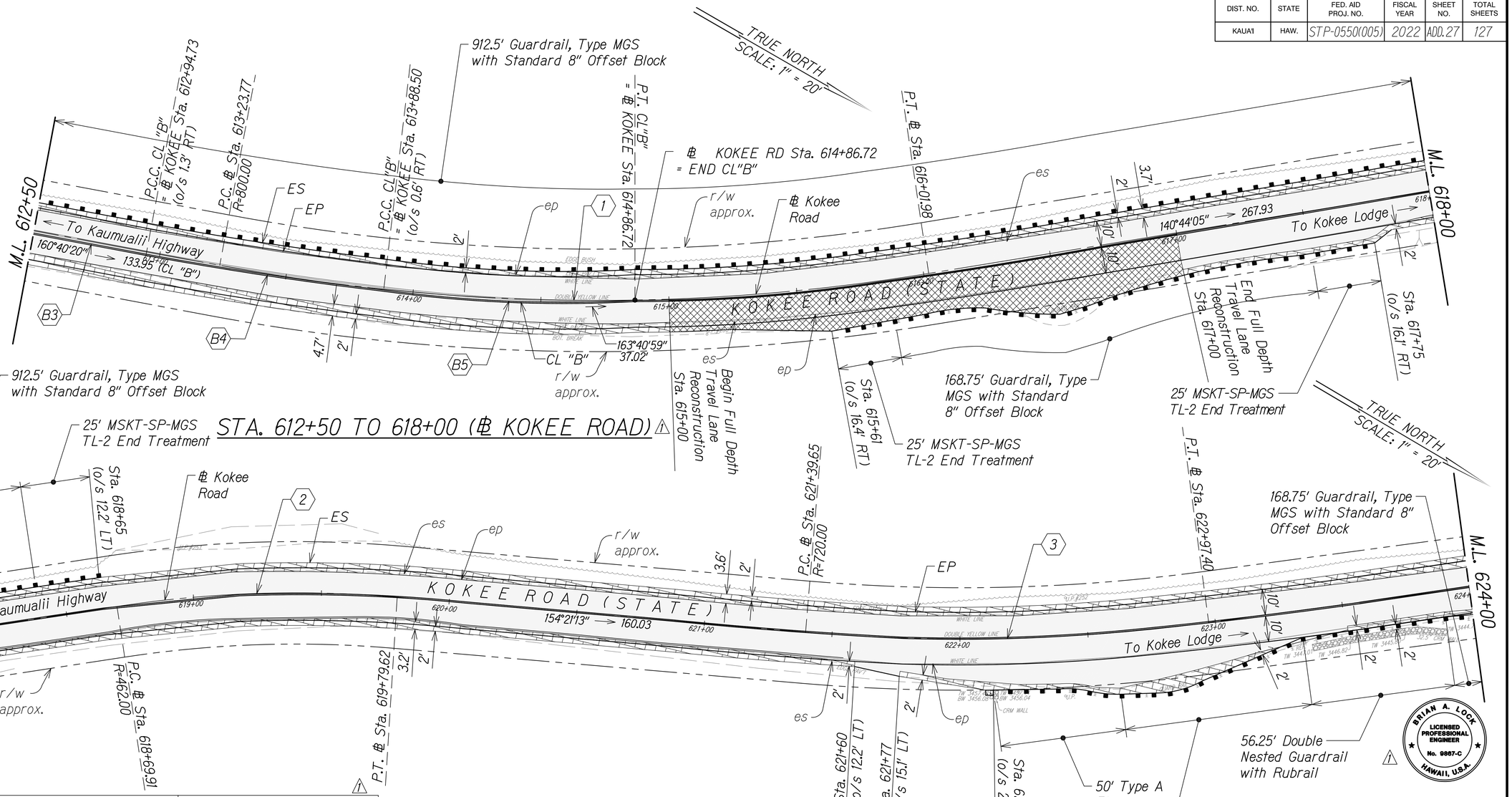
SHEET No. 1 OF 13 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 26

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.27	127



℄ Kokee Road Curve Data				CL "B" Curve Data		
	(1)	(2)	(3)	(B3)	(B4)	(B5)
Δ	19°55'31"	13°36'23"	12°33'11"	0°02'17"	3°43'28"	10°54'34"
Δ/2	9°57'46"	6°48'12"	6°16'36"	0°01'08"	1°51'44"	5°27'17"
R	800'	462'	720'	135960.18'	1414.91'	516.60'
T	140.52'	55.12'	79.19'	45.06'	46'	49.33'
C	276.81'	109.46'	157.43'	90.13'	91.96'	98.22'
Lc	278.21'	109.71'	157.75'	90.13'	91.97'	98.36'

⚠1 Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Note:
1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

DATE	REVISION
11/07/22	⚠1 Revised Roadway Properties; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

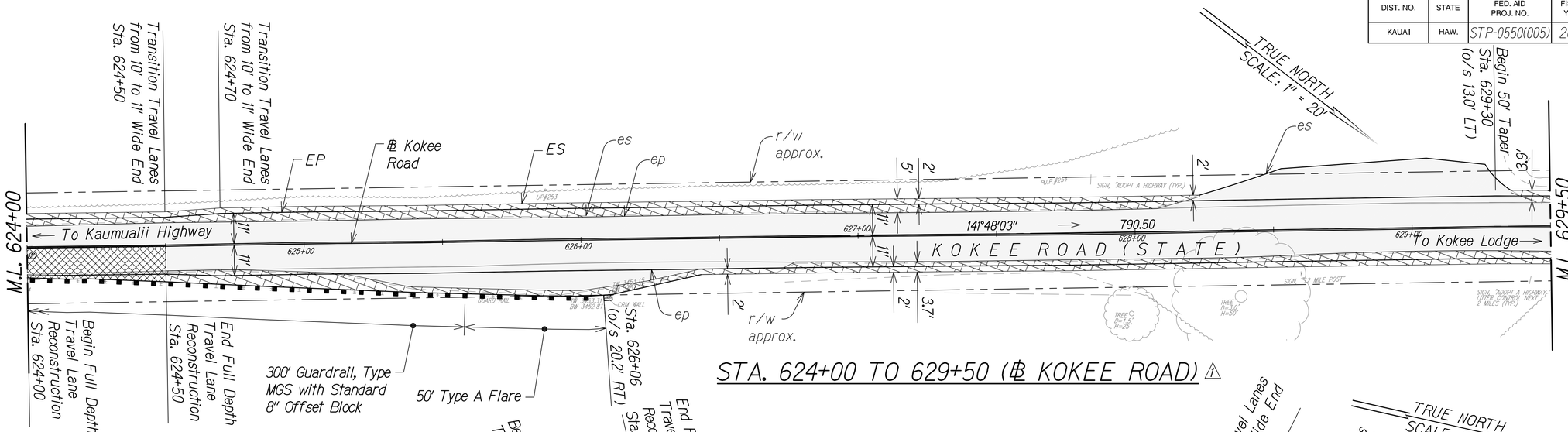
SHEET No. 2 OF 13 SHEETS

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

COPY OF ORIGINAL TRACING

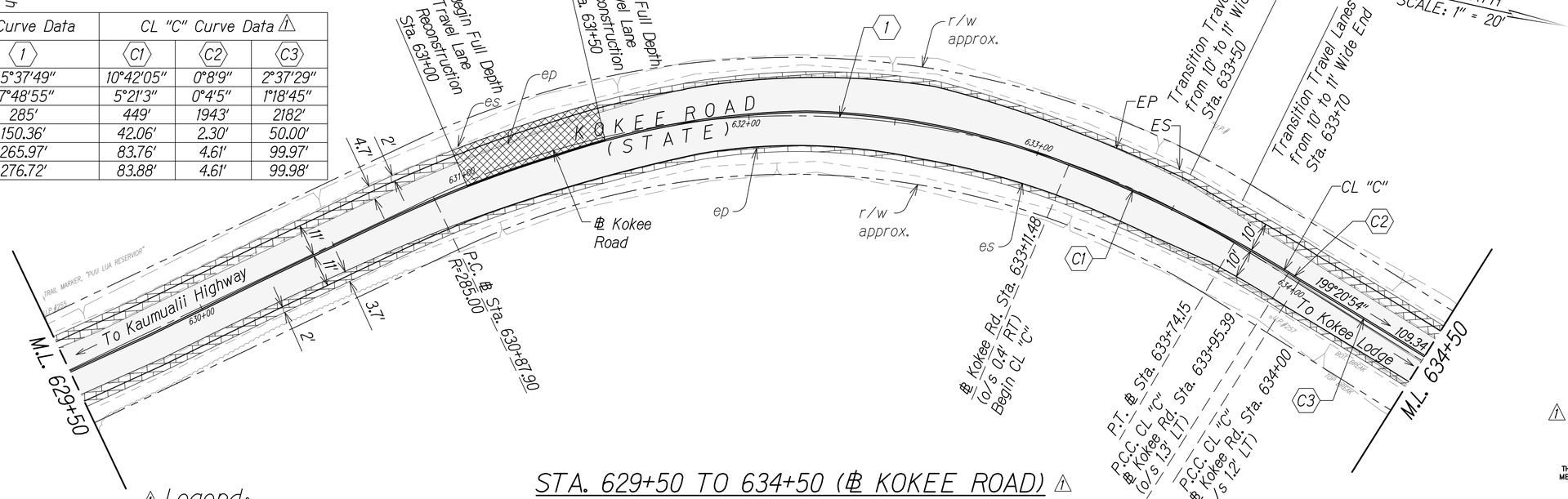
ADD 27

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.28	127



STA. 624+00 TO 629+50 (℄ KOKEE ROAD) ⚠

℄ Kokee Road Curve Data		CL "C" Curve Data ⚠		
	1	C1	C2	C3
Δ	55°37'49"	10°42'05"	0°8'9"	2°37'29"
Δ/2	27°48'55"	5°21'3"	0°4'5"	1°18'45"
R	285'	449'	1943'	2182'
T	150.36'	42.06'	2.30'	50.00'
C	265.97'	83.76'	4.61'	99.97'
Lc	276.72'	83.88'	4.61'	99.98'



STA. 629+50 TO 634+50 (℄ KOKEE ROAD) ⚠

⚠ Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

Note:
1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

DATE	REVISION
11/07/22	⚠ Revised Roadway Properties; Revised Engineer's Stamp

BRIAN A. LOCK
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No. 9867-C
HAWAII, U.S.A.

⚠

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

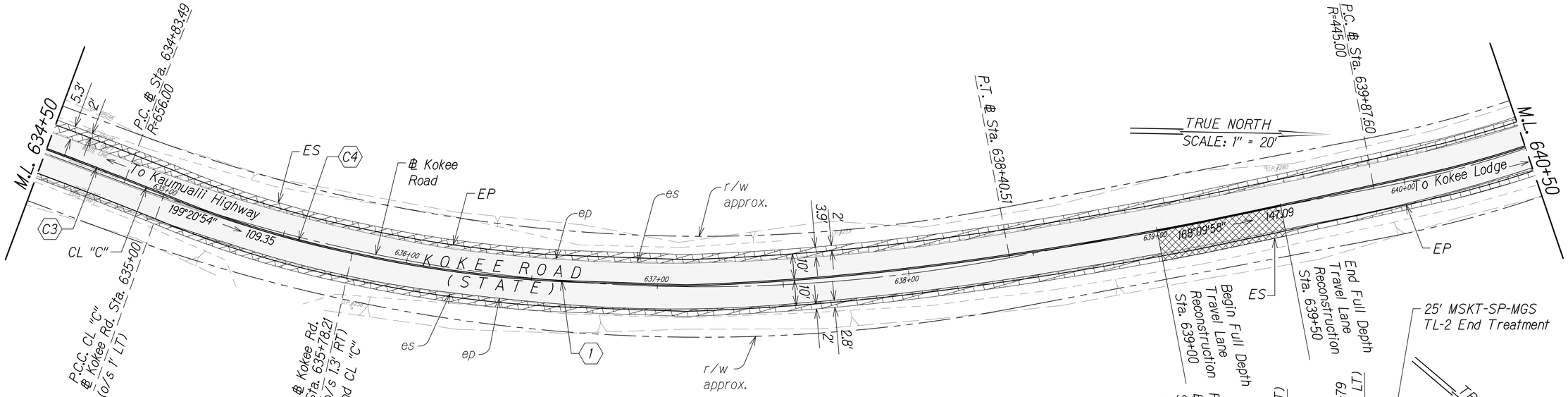
Scale: 1" = 20' Date: August 2022

SHEET No. 3 OF 13 SHEETS

COPY OF ORIGINAL TRACING

ADD 28

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.29	127



℄ Kokee Road Curve Data				CL "C" Curve Data ⚠		CL "D" Curve Data ⚠
	⟨1⟩	⟨2⟩	⟨3⟩	⟨C3⟩	⟨C4⟩	⟨D1⟩
Δ	31°10'56"	53°40'44"	24°42'14"	2°37'29"	11°20'41"	11°56'10"
Δ/2	15°35'28"	26°50'22"	12°21'07"	1°18'45"	5°40'21"	5°58'05"
R	656'	445'	345'	2182'	396'	453'
T	183.05'	225.17'	75.55'	50.00'	39.30'	47.31'
C	352.63'	401.83'	147.60'	99.97'	78.22'	94.11'
LC	357.02'	416.91'	148.75'	99.98'	78.35'	94.28'

⚠ STA. 634+50 TO 640+50 (℄ KOKEE ROAD)

⚠ STA. 640+50 TO 646+00 (℄ KOKEE ROAD)

⚠ Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Note:
1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

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BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

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

DATE	REVISION
11/07/22	⚠ Revised Roadway Properties; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

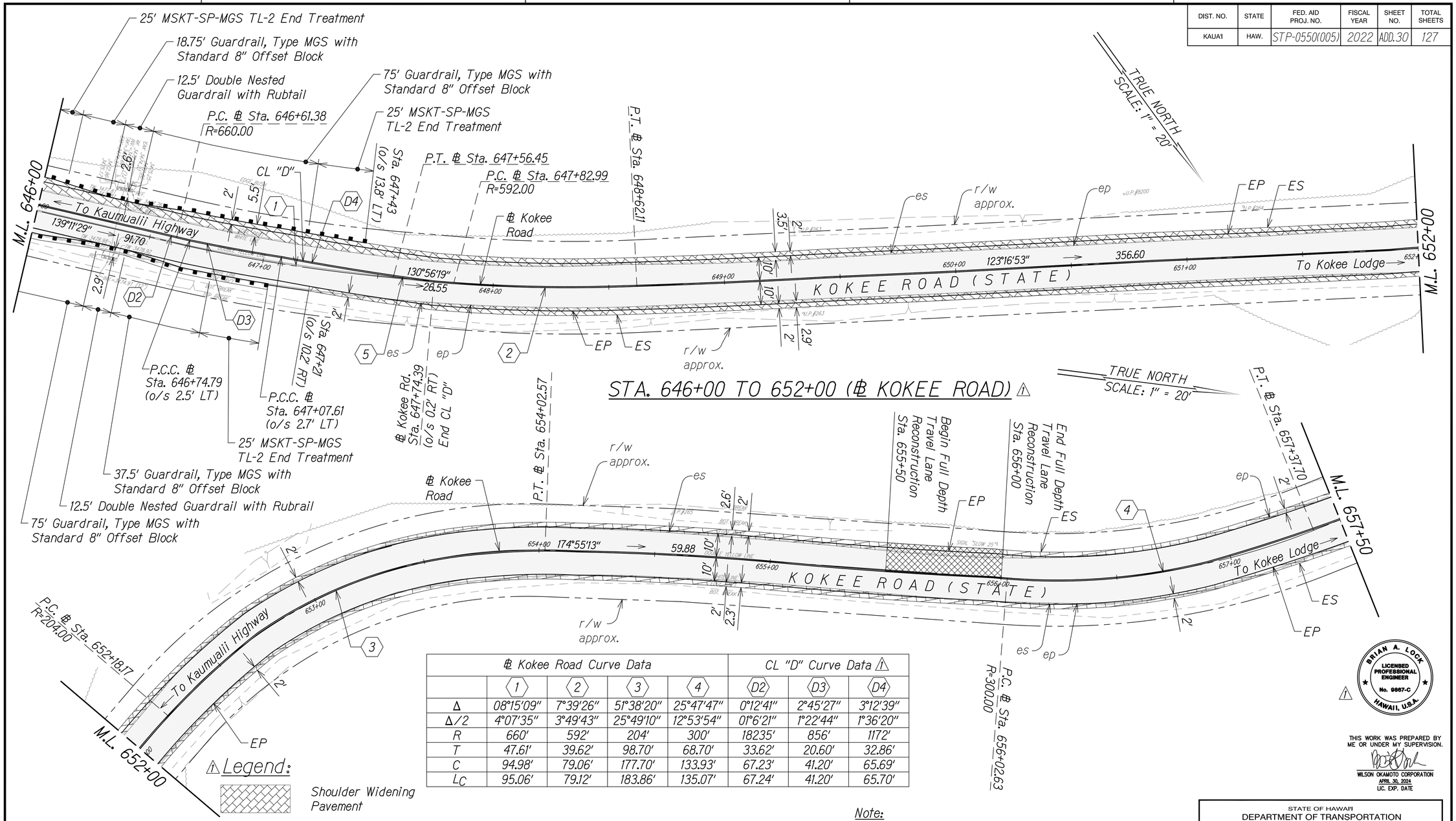
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 4 OF 13 SHEETS

COPY OF ORIGINAL TRACING

ADD 29

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.30	127



STA. 646+00 TO 652+00 (℄ KOKEE ROAD) ⚠

STA. 652+00 TO 657+50 (℄ KOKEE ROAD) ⚠

℄ Kokee Road Curve Data					CL "D" Curve Data ⚠		
	⟨1⟩	⟨2⟩	⟨3⟩	⟨4⟩	⟨D2⟩	⟨D3⟩	⟨D4⟩
Δ	08°15'09"	7°39'26"	51°38'20"	25°47'47"	0°12'41"	2°45'27"	3°12'39"
Δ/2	4°07'35"	3°49'43"	25°49'10"	12°53'54"	01°6'21"	1°22'44"	1°36'20"
R	660'	592'	204'	300'	18235'	856'	1172'
T	47.61'	39.62'	98.70'	68.70'	33.62'	20.60'	32.86'
C	94.98'	79.06'	177.70'	133.93'	67.23'	41.20'	65.69'
L_C	95.06'	79.12'	183.86'	135.07'	67.24'	41.20'	65.70'

⚠ Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Note:
1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

DATE	REVISION
11/07/22	⚠ Revised Roadway Properties; Revised Engineer's Stamp

BRIAN A. LOCK LICENSED PROFESSIONAL ENGINEER No. 9867-C HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

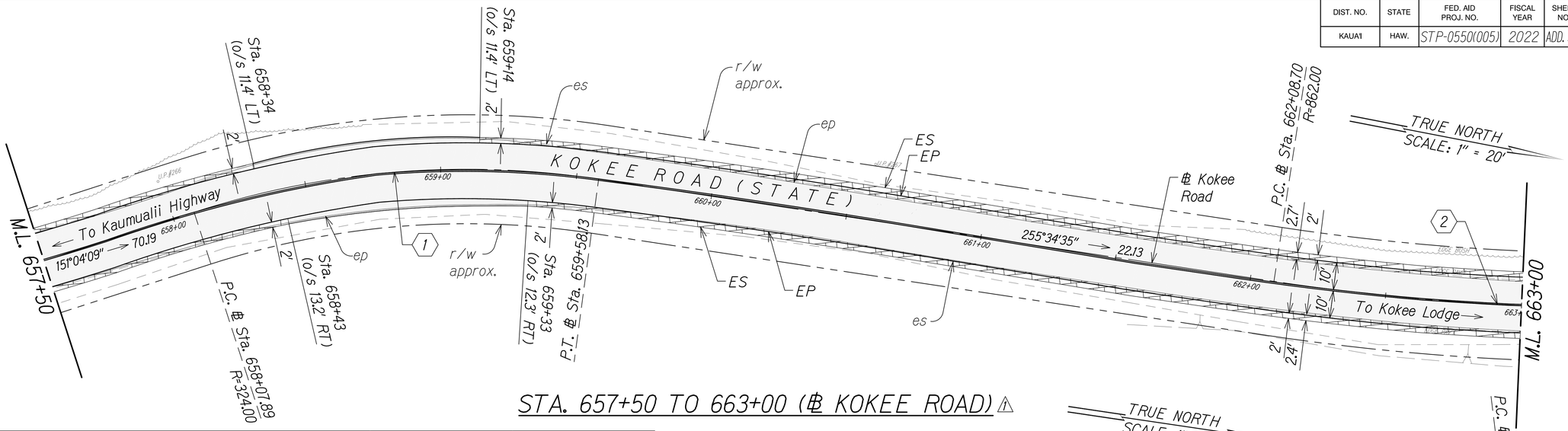
SHEET No. 5 OF 13 SHEETS

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

COPY OF ORIGINAL TRACING

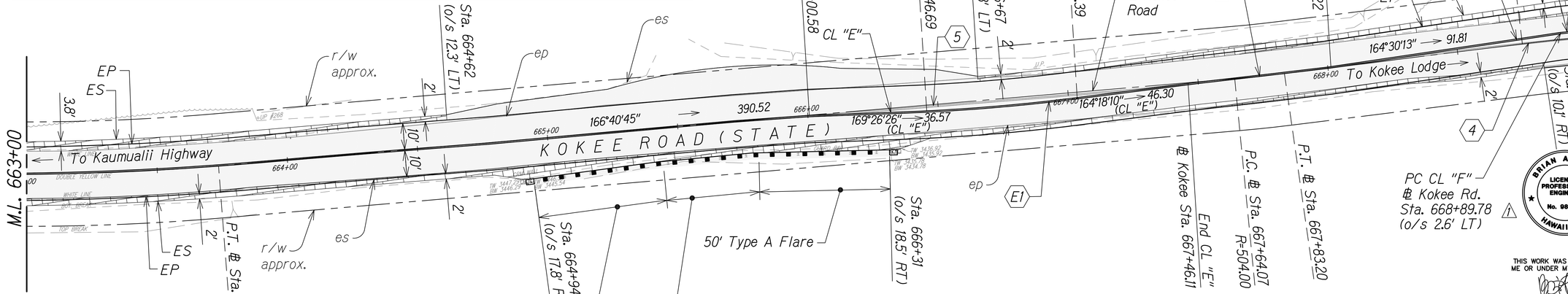
ADD 30

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 31	127



STA. 657+50 TO 663+00 (℄ KOKEE ROAD) ⚠

℄ Kokee Road Curve Data						CL "E" Curve Data ⚠	CL "F" Curve Data ⚠
	1	2	3	4	5	E1	F1
Δ	26°34'02"	10°57'26"	2°10'32"	2°18'26"	0°47'22"	5°08'11"	0°38'26"
Δ/2	13°17'01"	5°28'43"	1°05'16"	1°09'13"	0°23'41"	2°34'05"	0°19'13"
R	324'	862'	504'	609'	5949'	750'	2026'
T	76.49'	82.68'	9.57'	12.26'	40.98'	33.64'	11.33'
C	148.89'	164.60'	19.14'	24.52'	81.97'	67.21'	22.65'
Lc	150.23'	164.85'	19.14'	24.52'	81.97'	67.26'	22.66'



STA. 663+00 TO 669+00 (℄ KOKEE ROAD) ⚠

⚠ Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail
- 37.5' Guardrail, Type MGS with Standard 8" Offset Block

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Note:
1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

DATE	REVISION
11/07/22	⚠1 Revised Roadway Properties; Revised Engineer's Stamp

BRIAN A. LOCK
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APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

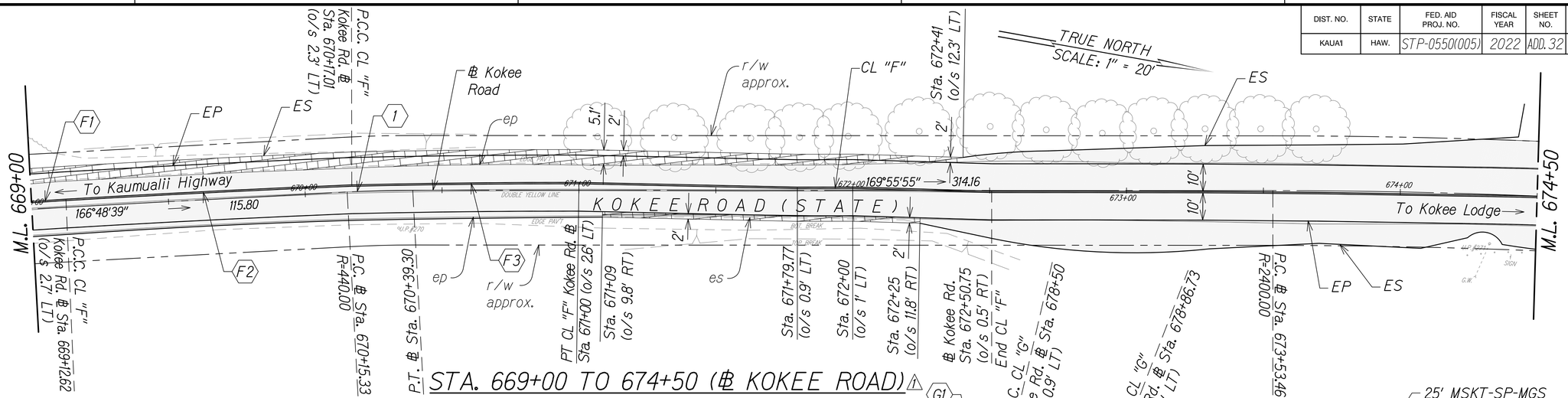
SHEET No. 6 OF 13 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 31

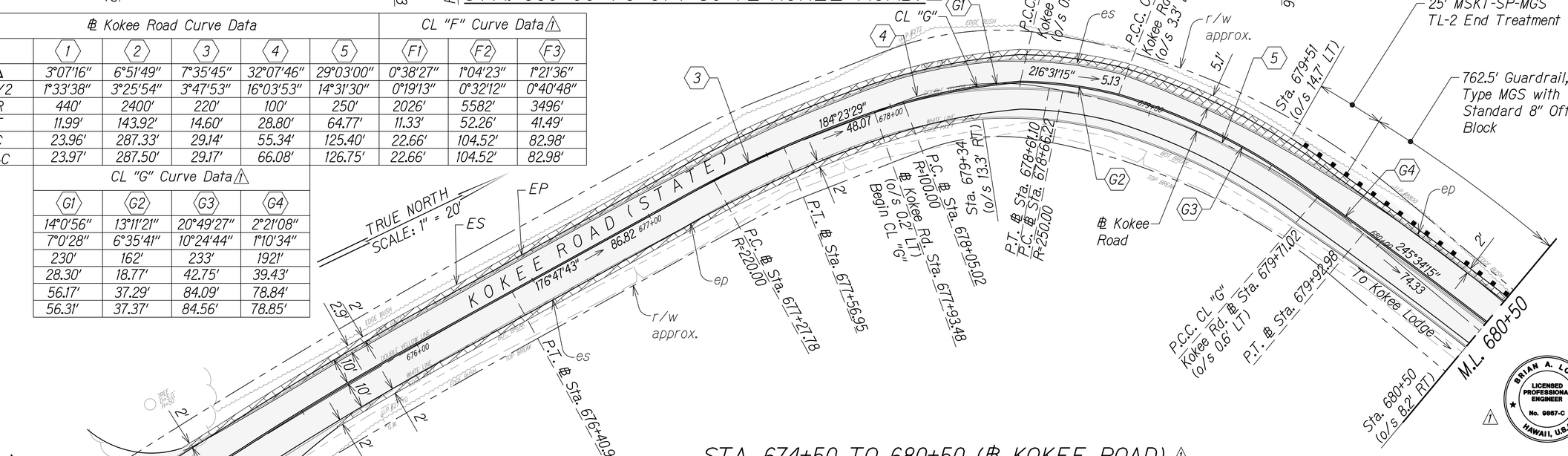
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 32	127



STA. 669+00 TO 674+50 (℄ KOKEE ROAD) ⚠

℄ Kokee Road Curve Data						CL "F" Curve Data ⚠		
	1	2	3	4	5	F1	F2	F3
Δ	3°07'16"	6°51'49"	7°35'45"	32°07'46"	29°03'00"	0°38'27"	1°04'23"	1°21'36"
Δ/2	1°33'38"	3°25'54"	3°47'53"	16°03'53"	14°31'30"	0°19'13"	0°32'12"	0°40'48"
R	440'	2400'	220'	100'	250'	2026'	5582'	3496'
T	11.99'	143.92'	14.60'	28.80'	64.77'	11.33'	52.26'	41.49'
C	23.96'	287.33'	29.14'	55.34'	125.40'	22.66'	104.52'	82.98'
LC	23.97'	287.50'	29.17'	66.08'	126.75'	22.66'	104.52'	82.98'

CL "G" Curve Data ⚠			
G1	G2	G3	G4
14°0'56"	13°11'21"	20°49'27"	2°21'08"
7°0'28"	6°35'41"	10°24'44"	1°10'34"
230'	162'	233'	1921'
28.30'	18.77'	42.75'	39.43'
56.17'	37.29'	84.09'	78.84'
56.31'	37.37'	84.56'	78.85'



STA. 674+50 TO 680+50 (℄ KOKEE ROAD) ⚠

⚠ Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

BRIAN A. LOCK
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No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

Note:
1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

DATE	REVISION
11/07/22	⚠ Revised Roadway Properties; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 7 OF 13 SHEETS

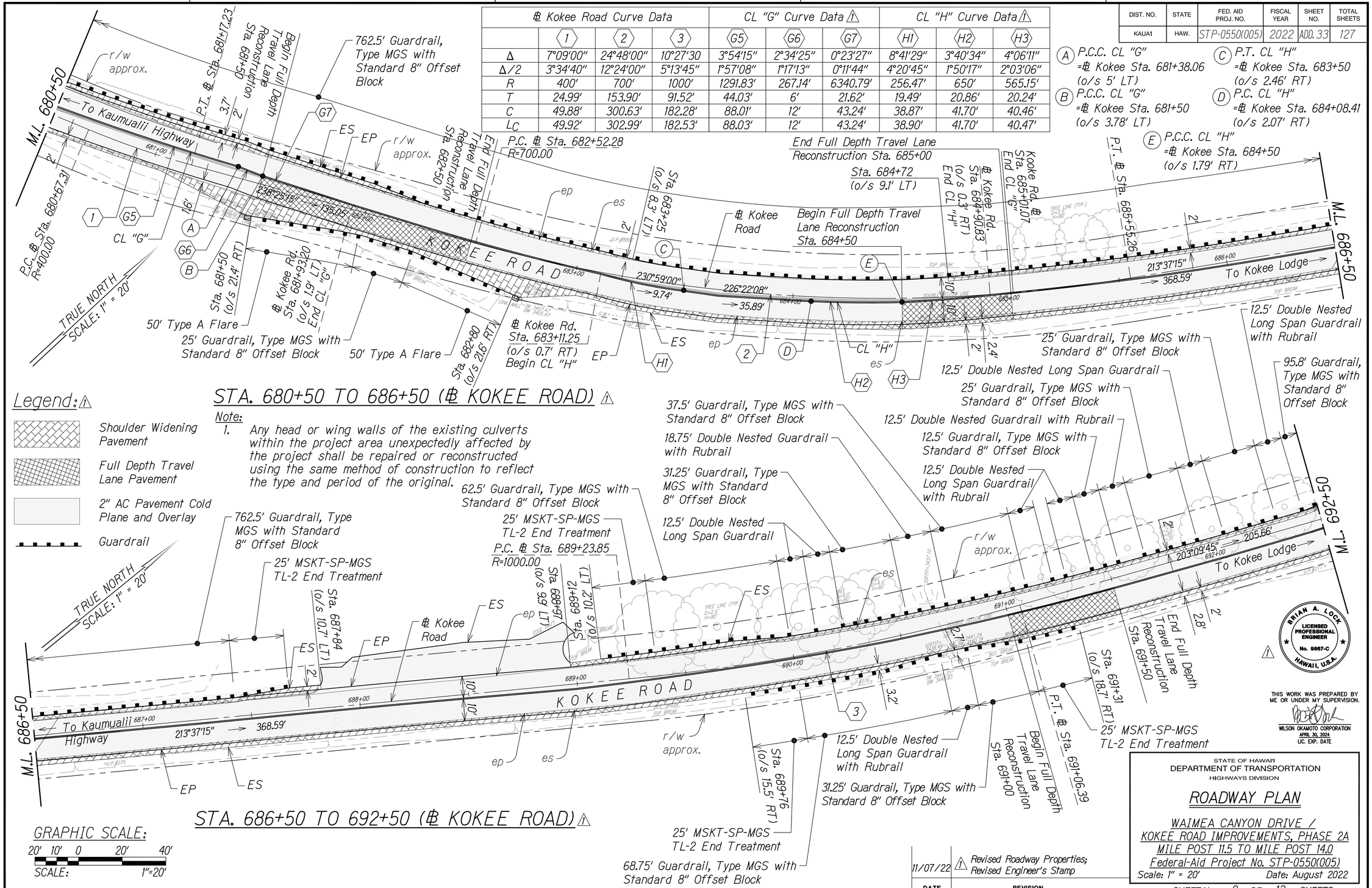
ORIGINAL PLAN | NOTE BOOK | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE | No.

ADD 32

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 33	127

℄ Kokee Road Curve Data				CL "G" Curve Data ⚠1			CL "H" Curve Data ⚠1		
	⟨1⟩	⟨2⟩	⟨3⟩	⟨G5⟩	⟨G6⟩	⟨G7⟩	⟨H1⟩	⟨H2⟩	⟨H3⟩
Δ	7°09'00"	24°48'00"	10°27'30	3°54'15"	2°34'25"	0°23'27"	8°41'29"	3°40'34"	4°06'11"
Δ/2	3°34'40"	12°24'00"	5°13'45"	1°57'08"	1°17'13"	0°11'44"	4°20'45"	1°50'17"	2°03'06"
R	400'	700'	1000'	1291.83'	267.14'	6340.79'	256.47'	650'	565.15'
T	24.99'	153.90'	91.52'	44.03'	6'	21.62'	19.49'	20.86'	20.24'
C	49.88'	300.63'	182.28'	88.01'	12'	43.24'	38.87'	41.70'	40.46'
LC	49.92'	302.99'	182.53'	88.03'	12'	43.24'	38.90'	41.70'	40.47'

(A) P.C.C. CL "G" =℄ Kokee Sta. 681+38.06 (o/s 5' LT)
(B) P.C.C. CL "G" =℄ Kokee Sta. 681+50 (o/s 3.78' LT)
(C) P.T. CL "H" =℄ Kokee Sta. 683+50 (o/s 2.46' RT)
(D) P.C. CL "H" =℄ Kokee Sta. 684+08.41 (o/s 2.07' RT)
(E) P.C.C. CL "H" =℄ Kokee Sta. 684+50 (o/s 1.79' RT)



STA. 680+50 TO 686+50 (℄ KOKEE ROAD) ⚠

Legend: ⚠

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

Note:
1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

STA. 686+50 TO 692+50 (℄ KOKEE ROAD) ⚠

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠1 Revised Roadway Properties; Revised Engineer's Stamp

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

BRIAN A. LOCK LICENSED PROFESSIONAL ENGINEER No. 9867-C HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

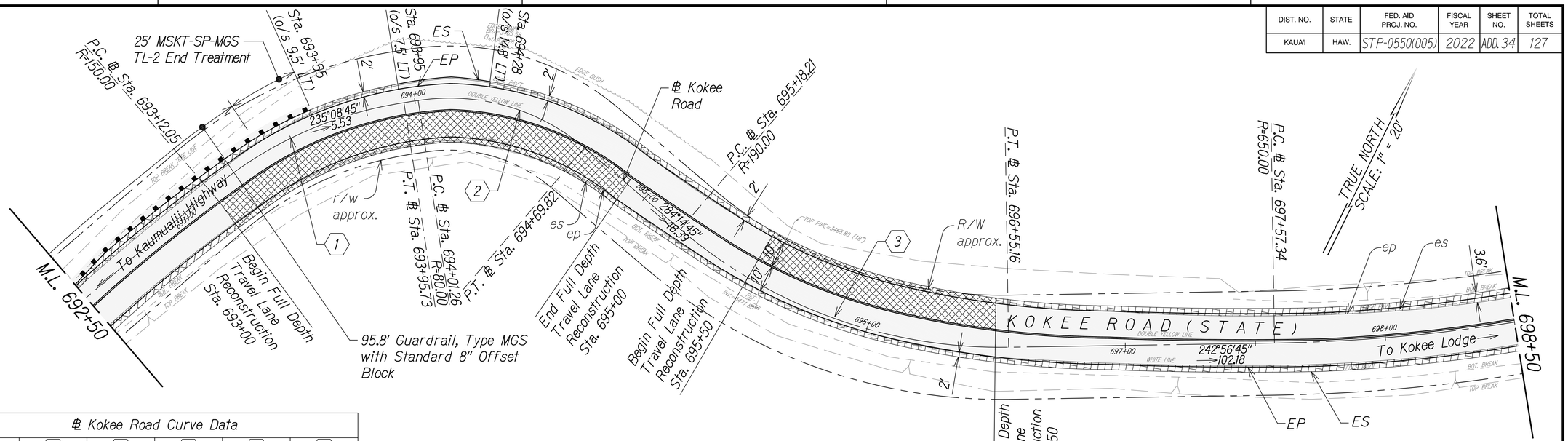
ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 8 OF 13 SHEETS

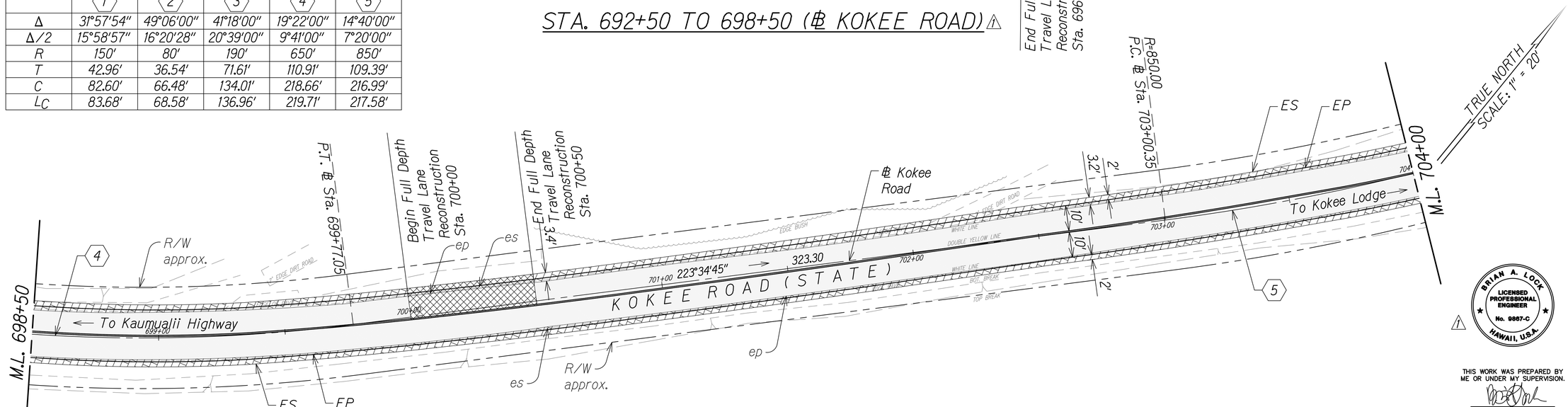
ADD 33

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 34	127



STA. 692+50 TO 698+50 (℄ KOKEE ROAD) ⚠

℄ Kokee Road Curve Data					
	1	2	3	4	5
Δ	31°57'54"	49°06'00"	41°18'00"	19°22'00"	14°40'00"
Δ/2	15°58'57"	16°20'28"	20°39'00"	9°41'00"	7°20'00"
R	150'	80'	190'	650'	850'
T	42.96'	36.54'	71.61'	110.91'	109.39'
C	82.60'	66.48'	134.01'	218.66'	216.99'
L_C	83.68'	68.58'	136.96'	219.71'	217.58'



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APRIL 30, 2024
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STA. 698+50 TO 704+00 (℄ KOKEE ROAD) ⚠

⚠ Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Note:
1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

DATE	REVISION
11/07/22	⚠ Revised Roadway Properties; Revised Engineer's Stamp

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

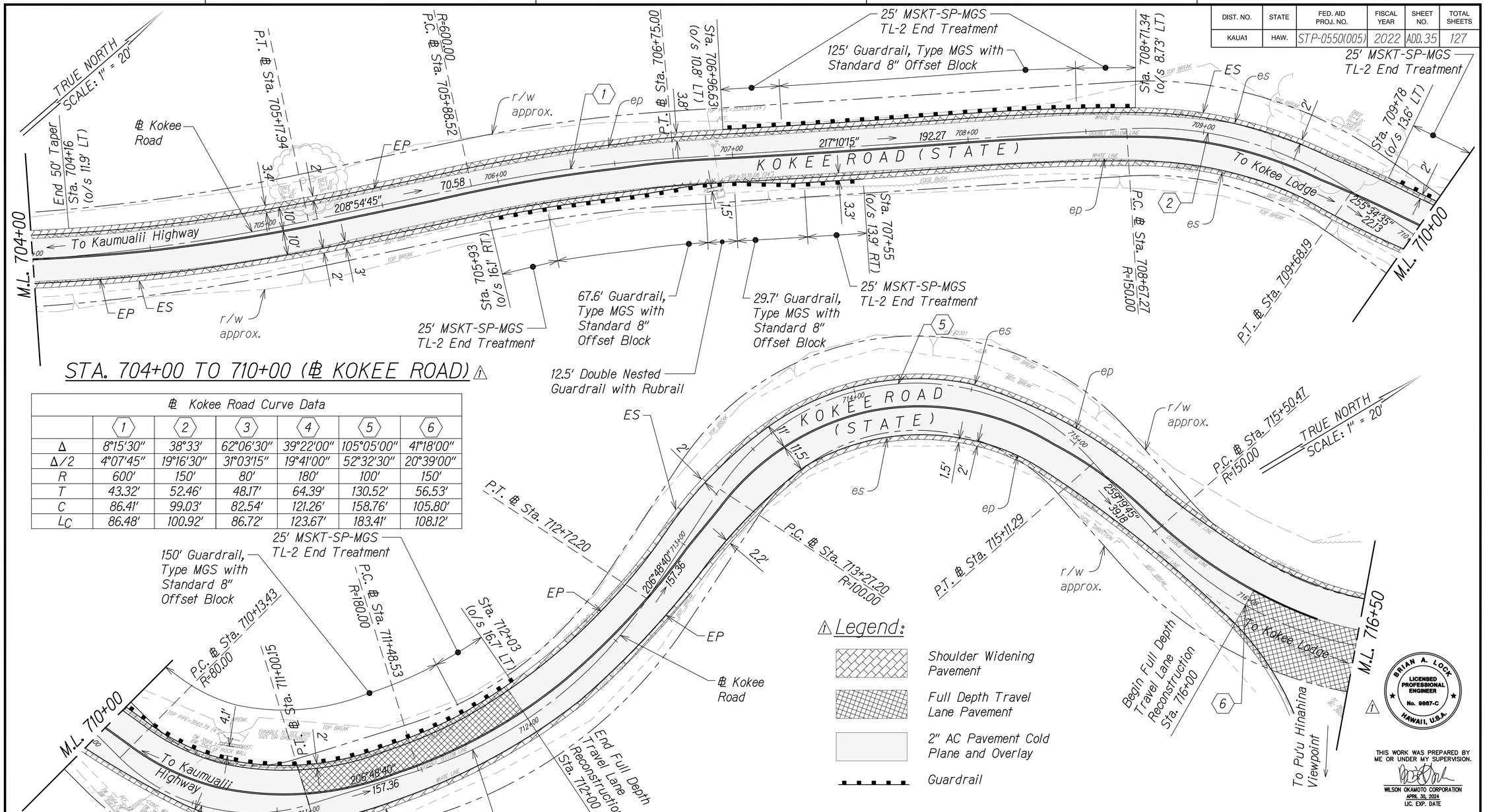
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 9 OF 13 SHEETS

COPY OF ORIGINAL TRACING

ADD 34

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 35	127



STA. 704+00 TO 710+00 (℄ KOKEE ROAD) ⚠

℄ Kokee Road Curve Data						
	1	2	3	4	5	6
Δ	8°15'30"	38°33'	62°06'30"	39°22'00"	105°05'00"	41°18'00"
Δ/2	4°07'45"	19°16'30"	31°03'15"	19°41'00"	52°32'30"	20°39'00"
R	600'	150'	80'	180'	100'	150'
T	43.32'	52.46'	48.17'	64.39'	130.52'	56.53'
C	86.41'	99.03'	82.54'	121.26'	158.76'	105.80'
L_C	86.48'	100.92'	86.72'	123.67'	183.41'	108.12'

⚠ Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

STA. 710+00 TO 716+50 (℄ KOKEE ROAD) ⚠

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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APRIL 30, 2024
LIC. EXP. DATE

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

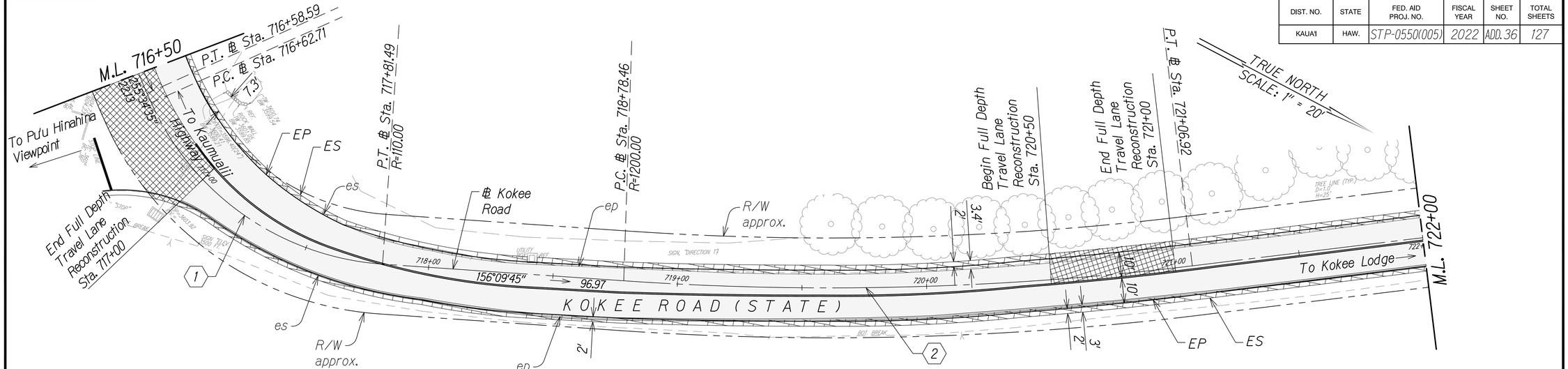
DATE	REVISION
11/07/22	⚠1 Revised Roadway Properties; Revised Engineer's Stamp

SHEET No. 10 OF 13 SHEETS

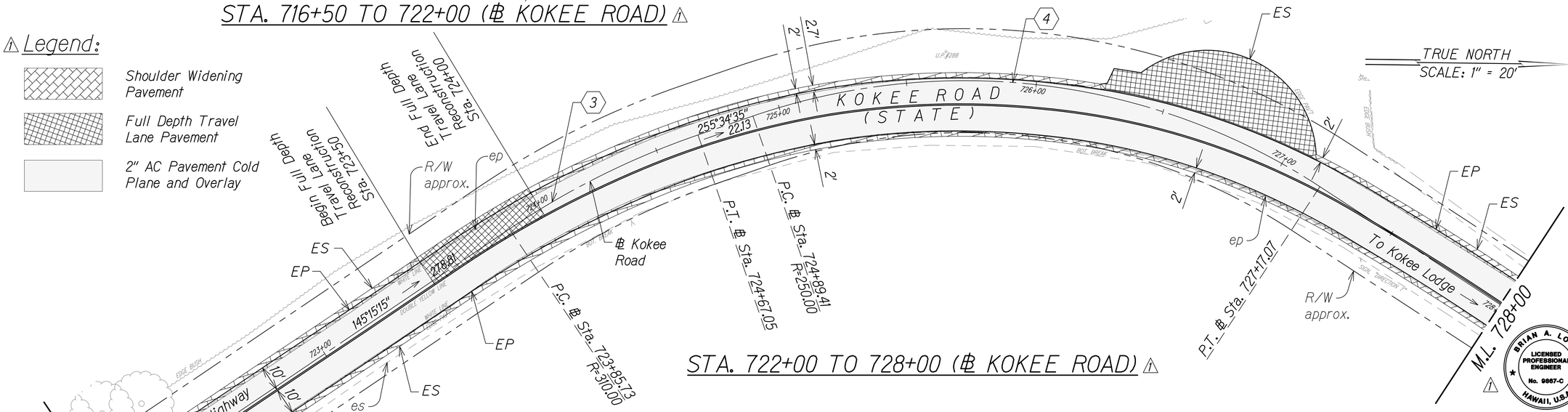
COPY OF ORIGINAL TRACING

ADD 35

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 36	127



STA. 716+50 TO 722+00 (℄ KOKEE ROAD) ⚠



STA. 722+00 TO 728+00 (℄ KOKEE ROAD) ⚠

℄ Kokee Road Curve Data				
	⟨1⟩	⟨2⟩	⟨3⟩	⟨4⟩
Δ	61°52'00"	10°54'30"	15°01'48"	52°10'37"
Δ/2	30°56'00"	5°27'15"	7°30'54"	26°05'19"
R	110'	1200'	310'	250'
T	65.92'	114.58'	40.89'	122.41'
C	113.09'	228.12'	81.09'	219.88'
Lc	118.78'	228.46'	81.32'	227.67'

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Note:
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BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠ Revised Roadway Properties; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

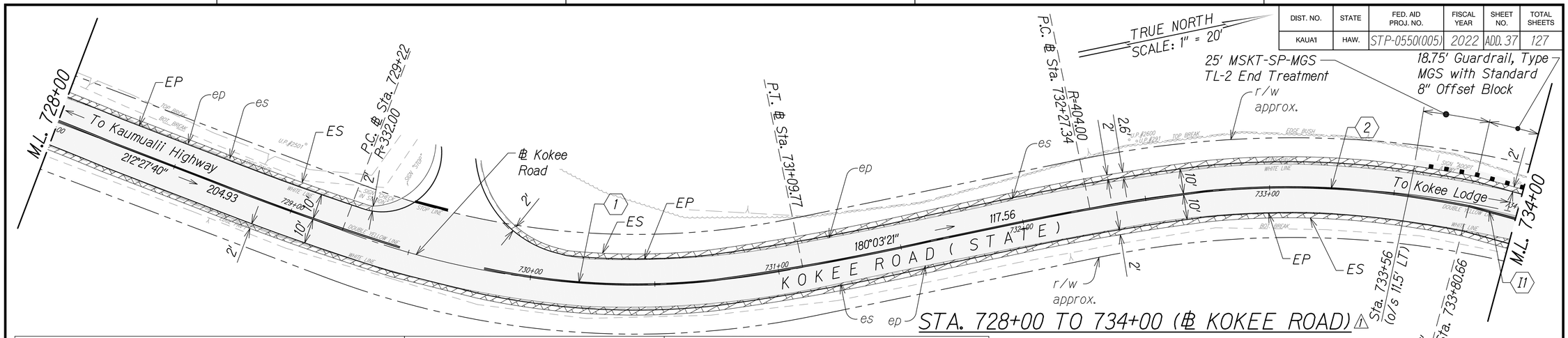
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 11 OF 13 SHEETS

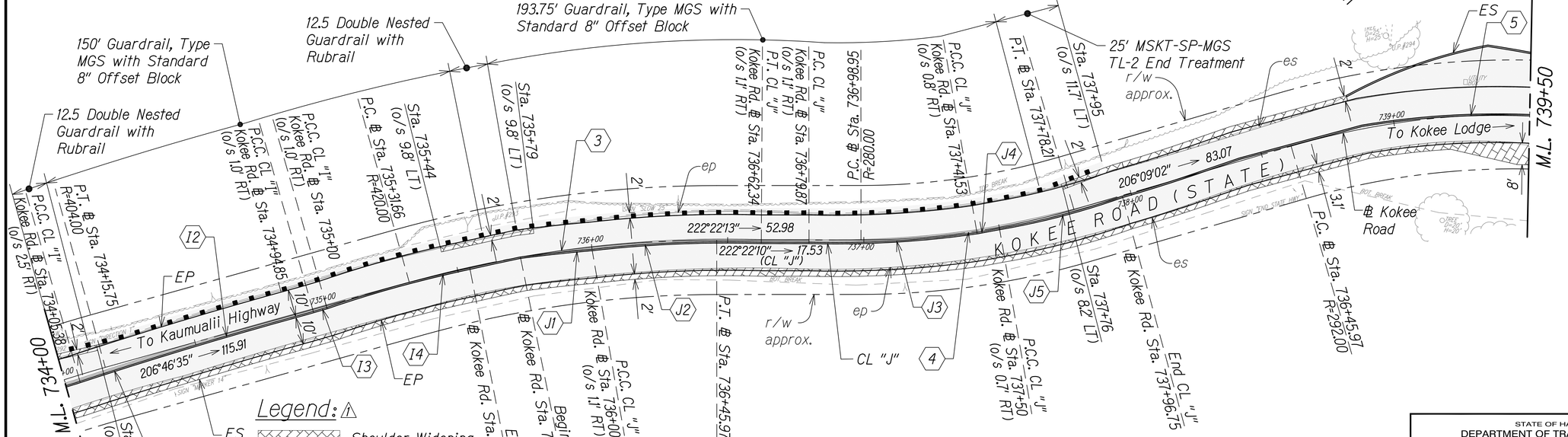
ORIGINAL PLAN | NOTE BOOK | No. | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 37	127



STA. 728+00 TO 734+00 (℄ KOKEE ROAD) ⚠

℄ Kokee Road Curve Data						CL "I" Curve Data ⚠				CL "J" Curve Data ⚠				
	1	2	3	4	5	I1	I2	I3	I4	J1	J2	J3	J4	J5
Δ	32°24'19"	26°43'14"	15°35'38"	16°13'10"	32°20'40"	2°36'39"	3°01'00"	7°16'48"	0°28'05"	2°34'03"	8°17'11"	9°43'27"	0°54'01"	9°56'28"
Δ/2	16°12'10"	13°21'37"	7°47'49"	8°06'35"	16°10'20"	1°18'20"	1°30'30"	3°38'24"	0°14'03"	1°17'02"	4°08'36"	4°51'44"	0°27'01"	4°58'14"
R	332'	404'	420'	280'	292'	426'	1676'	444'	1007'	590'	430'	365'	535'	269'
T	96.47'	95.95'	57.51'	39.90'	84.68'	9.70'	44.13'	28.26'	4.11'	13.21'	31.16'	31.04'	4.20'	23.43'
C	185.28'	186.71'	113.96'	79.00'	162.66'	19.40'	88.23'	56.40'	8.23'	26.42'	62.15'	61.85'	8.41'	46.68'
L_C	187.77'	188.41'	114.31'	79.26'	164.84'	19.40'	88.24'	56.43'	8.23'	26.42'	62.20'	61.93'	8.41'	46.74'



STA. 734+00 TO 739+50 (℄ KOKEE ROAD) ⚠

Legend: ⚠

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay
- Guardrail

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

Note:

1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

DATE	REVISION
11/07/22	⚠ Revised Roadway Properties; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

⚠

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

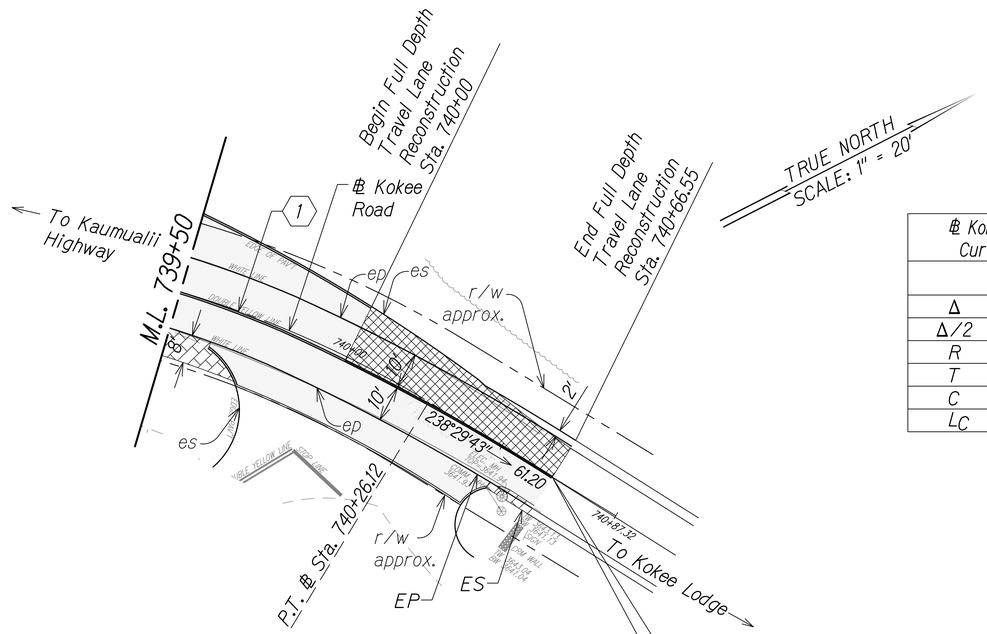
SHEET No. 12 OF 13 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 37

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 38	127



℄ Kokee Road Curve Data	
	1
Δ	32°20'40"
Δ/2	16°10'20"
R	292'
T	84.68'
C	162.66'
LC	164.84'

STA. 739+50 TO 740+87.32 (℄ KOKEE ROAD) ⚠

⚠ Legend:

- Shoulder Widening Pavement
- Full Depth Travel Lane Pavement
- 2" AC Pavement Cold Plane and Overlay

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

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

Note:
1. Any head or wing walls of the existing culverts within the project area unexpectedly affected by the project shall be repaired or reconstructed using the same method of construction to reflect the type and period of the original.

DATE	REVISION
11/07/22	⚠ Revised Roadway Properties; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

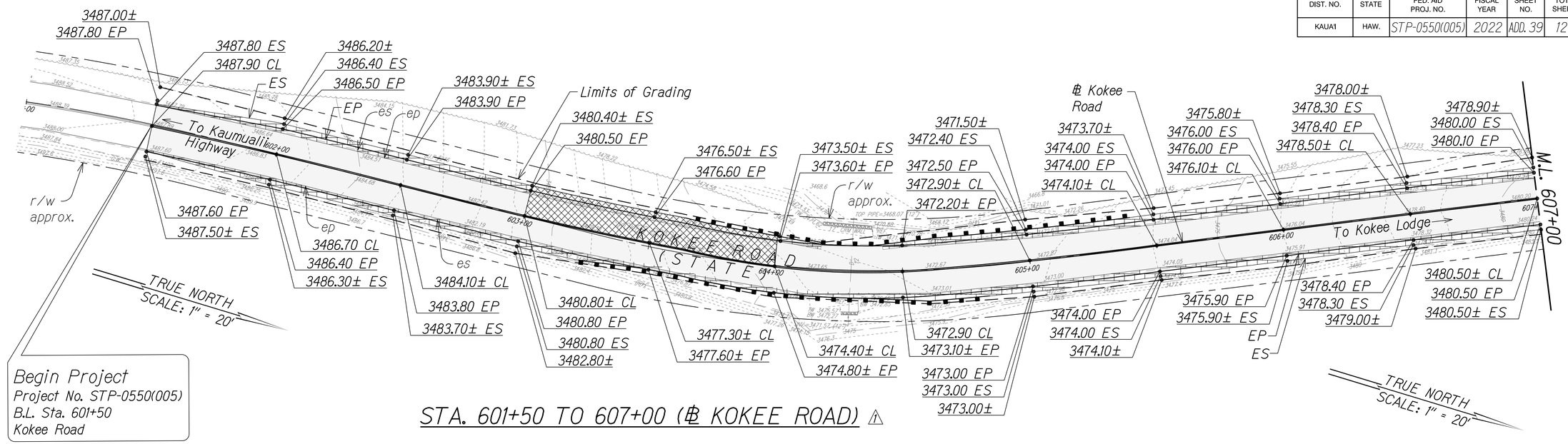
Scale: 1" = 20' Date: August 2022

SHEET No. 13 OF 13 SHEETS

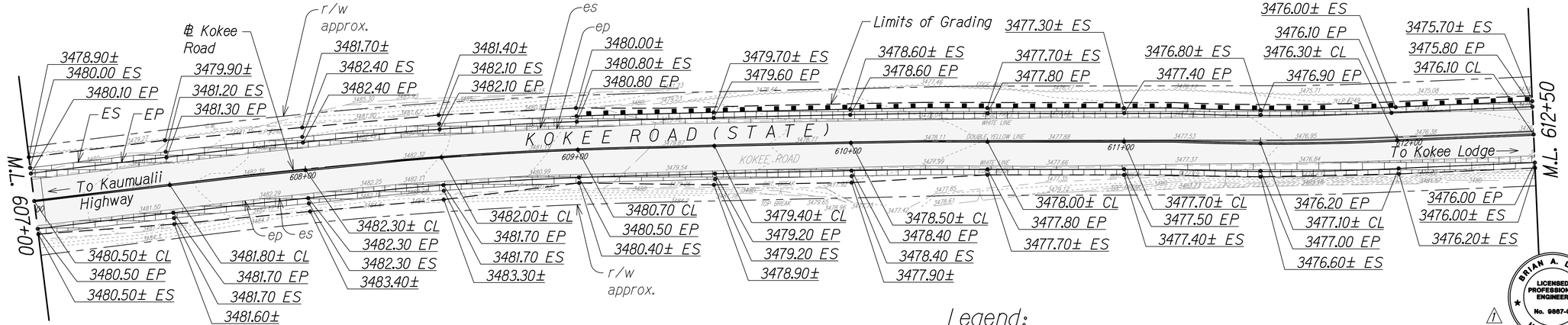
COPY OF ORIGINAL TRACING

ADD 38

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 39	127



STA. 601+50 TO 607+00 (℄ KOKEE ROAD) ⚠



STA. 607+00 TO 612+50 (℄ KOKEE ROAD) ⚠

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- 2645 — Existing Contour
- 2938.65 — Existing Elevation
- 2952.40 — Proposed Elevation

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠ Revised Grading & Callouts; Revised Engineer's Stamp

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

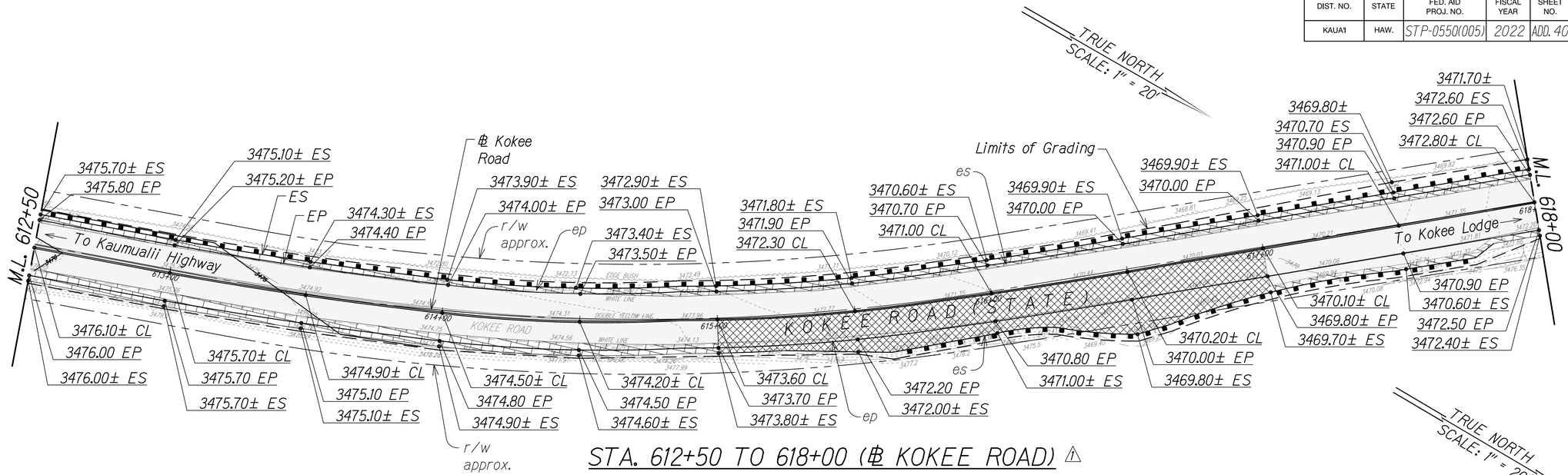
Scale: 1" = 20' Date: August 2022

SHEET No. 1 OF 13 SHEETS

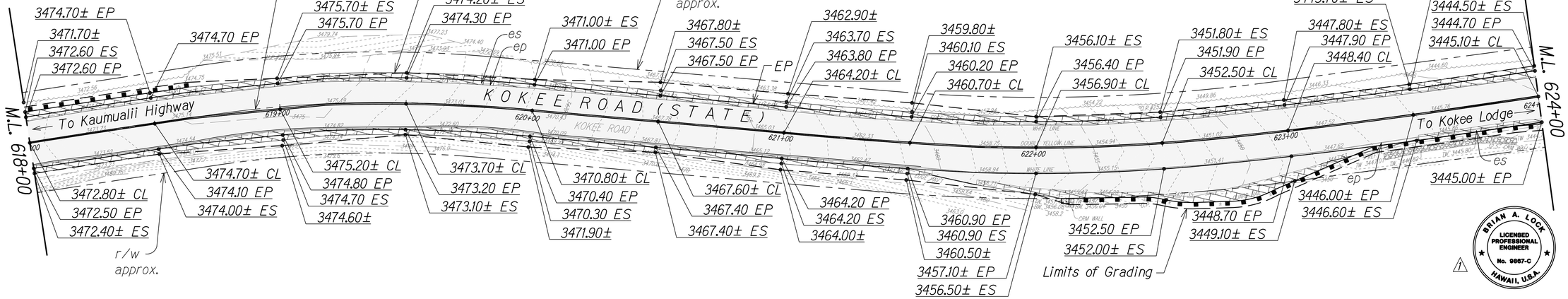
COPY OF ORIGINAL TRACING

ADD 39

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 40	127



STA. 612+50 TO 618+00 (℄ KOKEE ROAD) ⚠



STA. 618+00 TO 624+00 (℄ KOKEE ROAD) ⚠

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- Proposed Contour (3476)
- Existing Contour (2845)
- Existing Elevation (2938.65)
- Proposed Elevation (2952.40)

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠ Revised Grading & Callouts; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

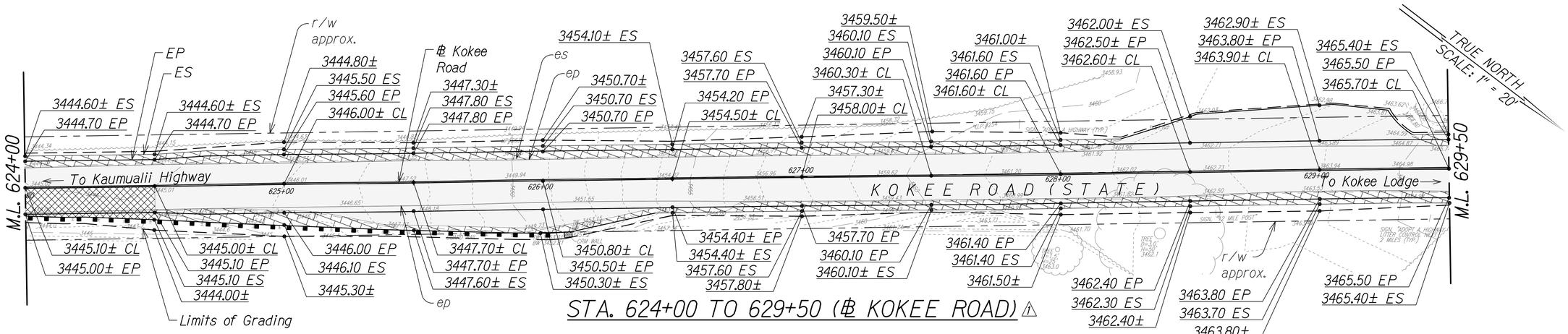
SHEET No. 2 OF 13 SHEETS

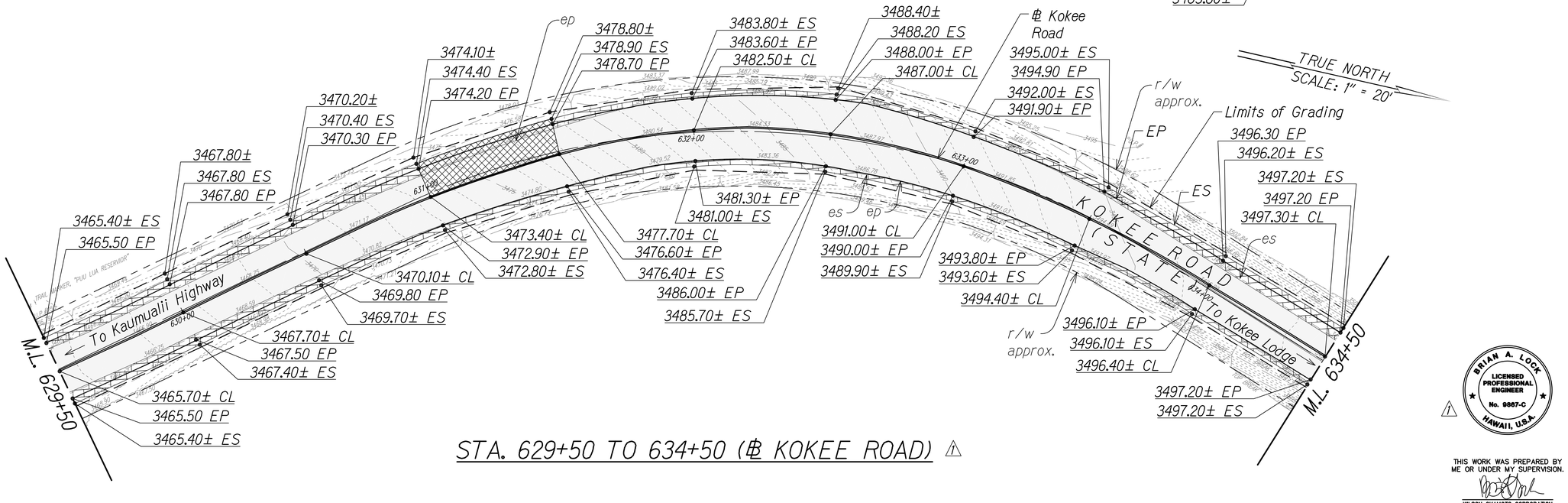
ORIGINAL PLAN | NOTE BOOK No. | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE

COPY OF ORIGINAL TRACING

ADD 40

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 41	127





BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

⚠1

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

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

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- Existing Contour (2845)
- Existing Elevation (2938.65)
- Proposed Elevation (2952.40)

DATE	REVISION
11/07/22	⚠1 Revised Grading & Callouts; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

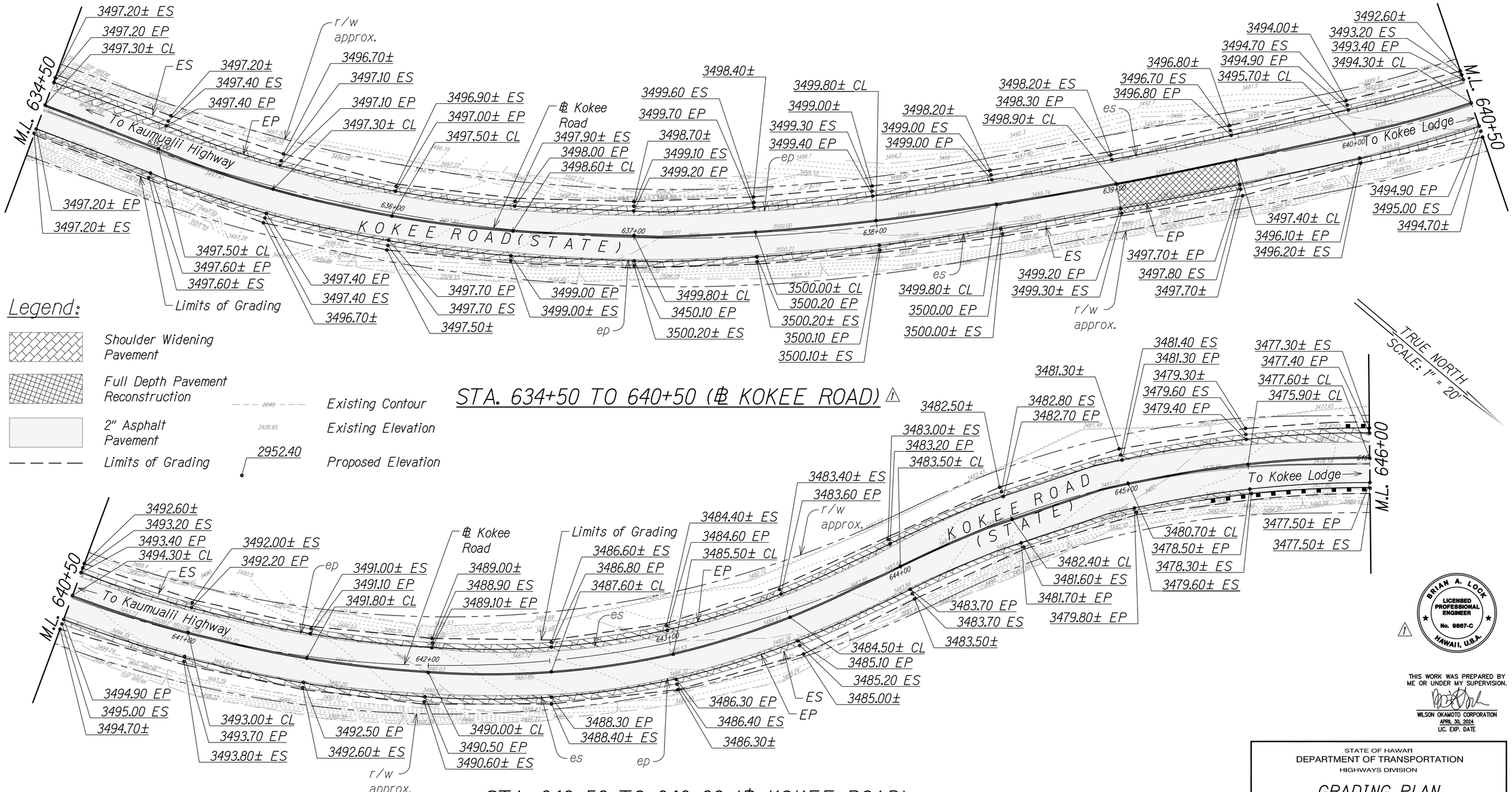
SHEET No. 3 OF 13 SHEETS

COPY OF ORIGINAL TRACING

ADD 41

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 42	127

TRUE NORTH
SCALE: 1" = 20'



Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- 2845 — Existing Contour
- 2938.65 — Existing Elevation
- 2952.40 — Proposed Elevation

STA. 634+50 TO 640+50 (℄ KOKEE ROAD) ⚠

TRUE NORTH
SCALE: 1" = 20'

STA. 640+50 TO 646+00 (℄ KOKEE ROAD) ⚠

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠ Revised Grading & Callouts; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

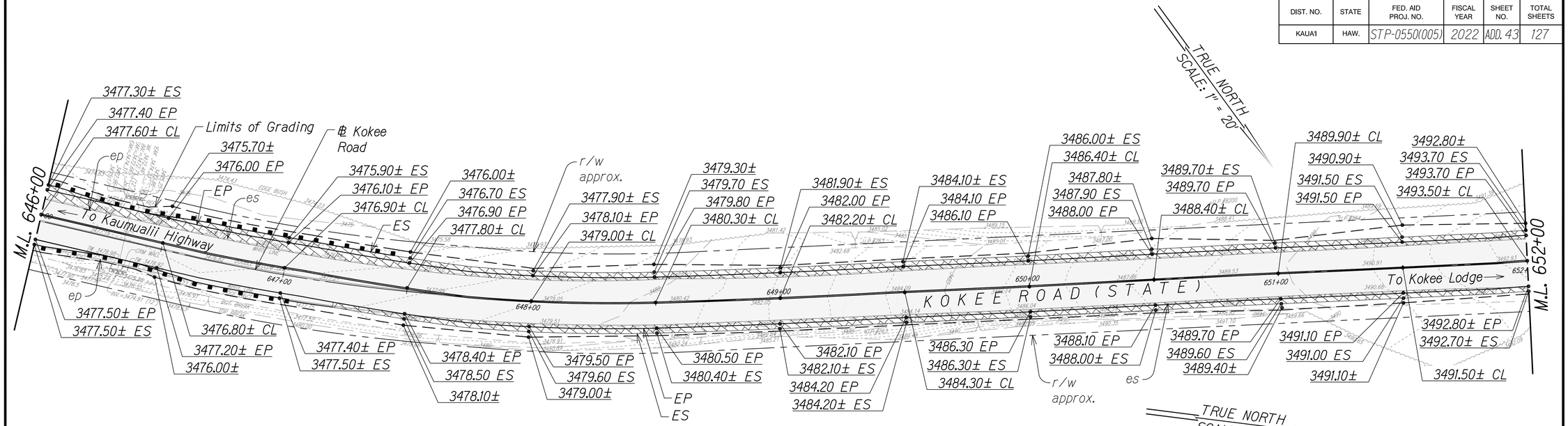
Scale: 1" = 20' Date: August 2022

SHEET No. 4 OF 13 SHEETS

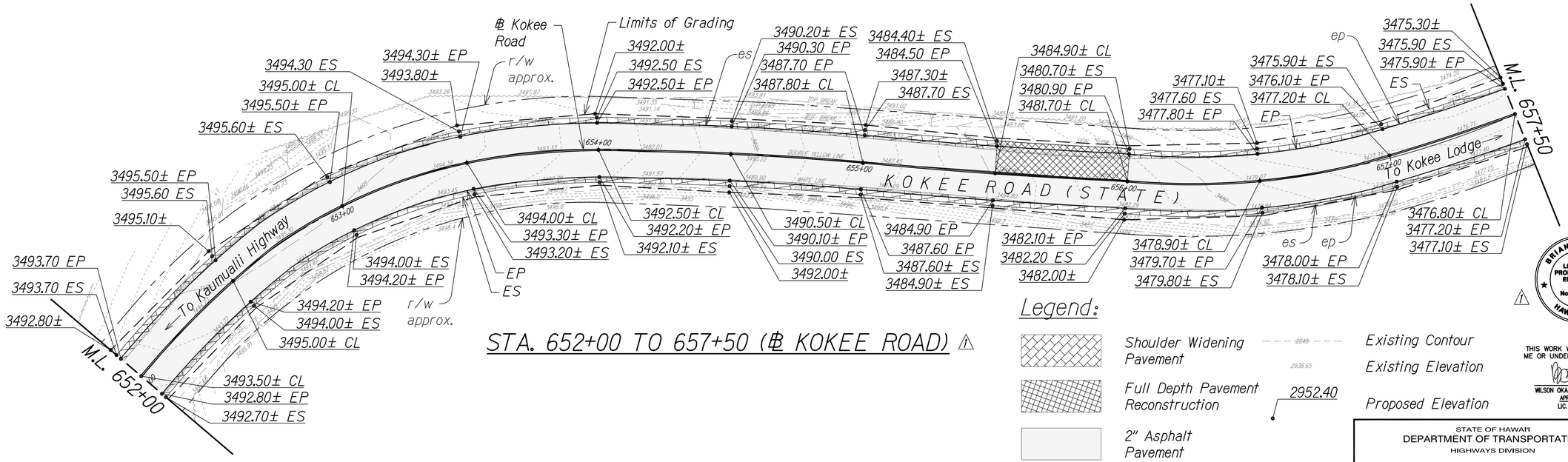
COPY OF ORIGINAL TRACING

ADD 42

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 43	127



STA. 646+00 TO 652+00 (℄ KOKEE ROAD) ⚠



STA. 652+00 TO 657+50 (℄ KOKEE ROAD) ⚠

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- Existing Contour (2845)
- Existing Elevation (2938.65)
- Proposed Elevation (2952.40)

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

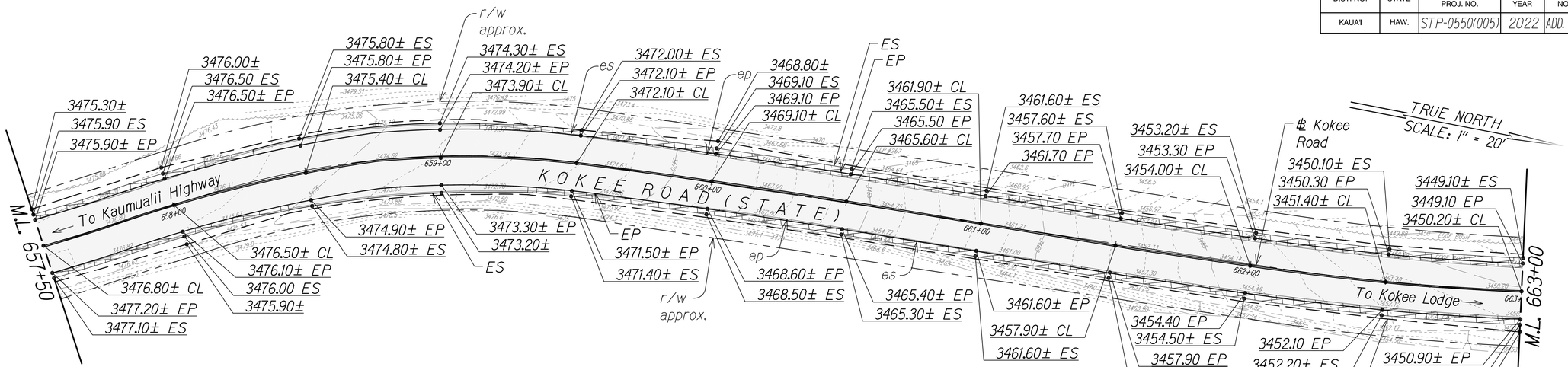
SHEET No. 5 OF 13 SHEETS

DATE	REVISION
11/07/22	⚠1 Revised Grading & Callouts; Revised Engineer's Stamp

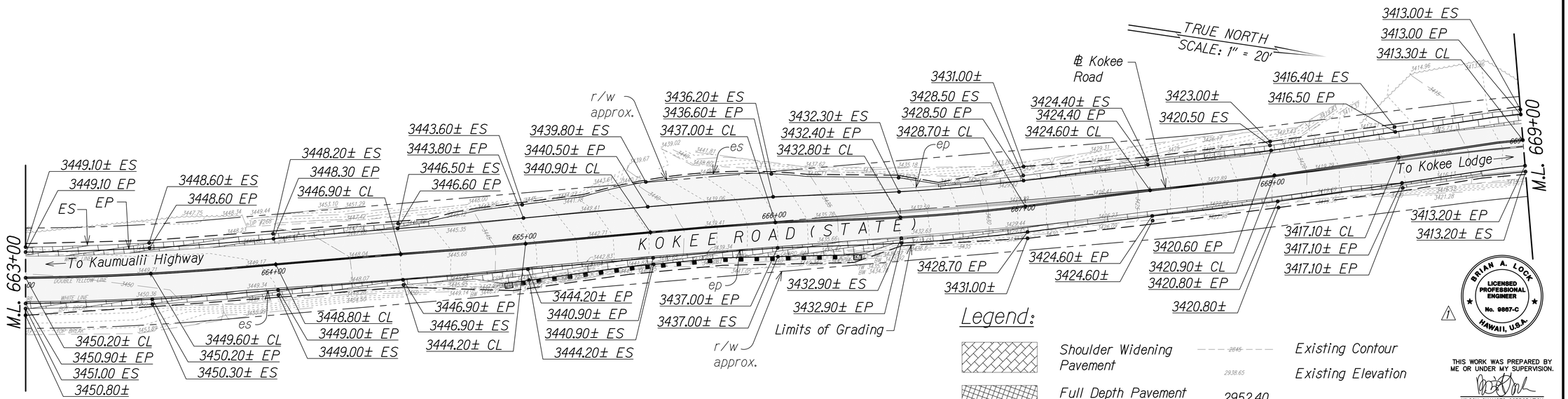
ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 44	127



STA. 657+50 TO 663+00 (℄ KOKEE ROAD) ⚠



STA. 663+00 TO 669+00 (℄ KOKEE ROAD) ⚠

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- Existing Contour (2845)
- Existing Elevation (2938.65)
- Proposed Elevation (2952.40)

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 6 OF 13 SHEETS

DATE	REVISION
11/07/22	⚠ Revised Grading ℄ Callouts; Revised Engineer's Stamp

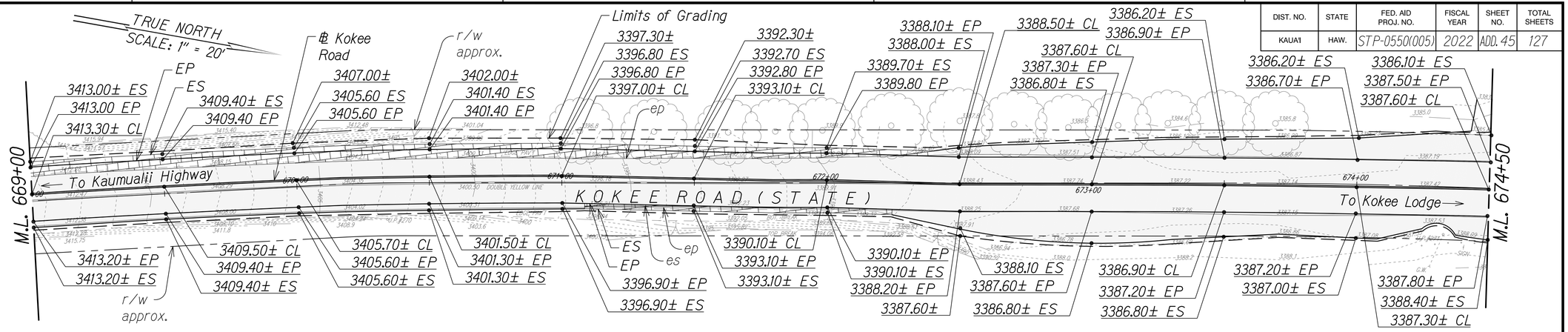
ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY DATE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

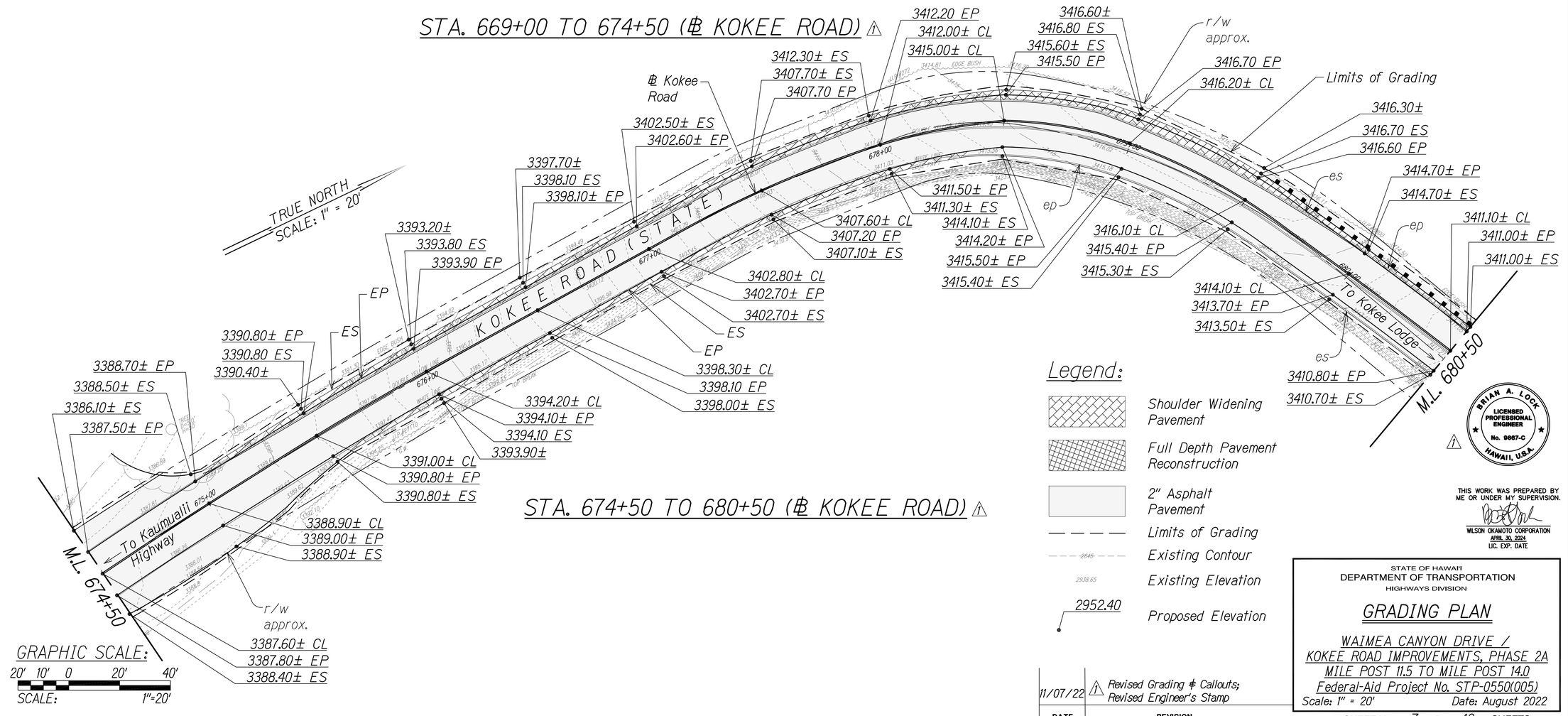
COPY OF ORIGINAL TRACING

ADD 44

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 45	127



STA. 669+00 TO 674+50 (℄ KOKEE ROAD) ⚠



STA. 674+50 TO 680+50 (℄ KOKEE ROAD) ⚠

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- 2845 Existing Contour
- 2938.65 Existing Elevation
- 2952.40 Proposed Elevation

BRIAN A. LOCK
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No. 9867-C
HAWAII, U.S.A.

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APRIL 30, 2024
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DATE	REVISION
11/07/22	⚠ Revised Grading ℄ Callouts; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

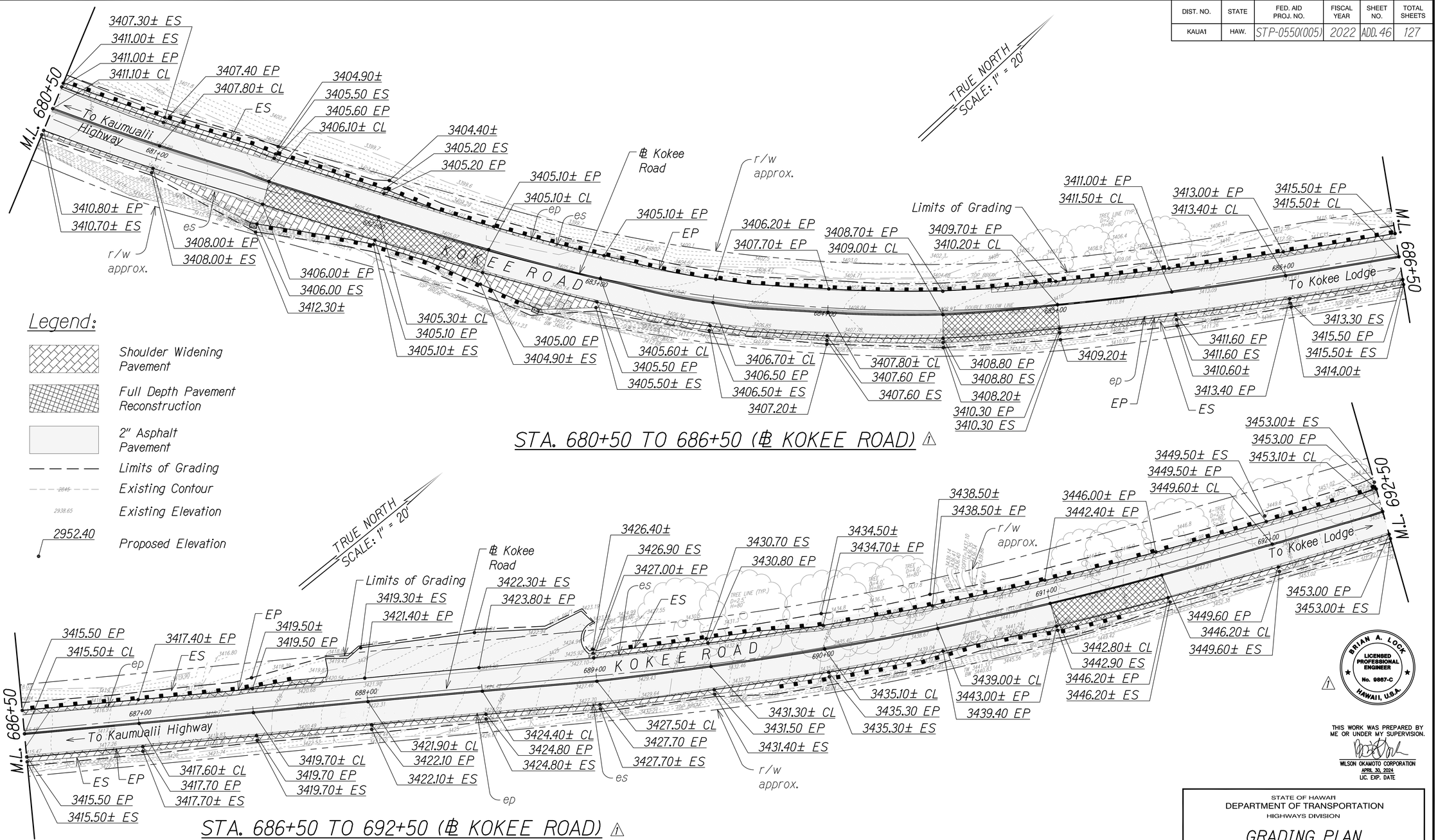
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 7 OF 13 SHEETS

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

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 46	127



Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- Existing Contour
- Existing Elevation
- 2952.40 Proposed Elevation

STA. 680+50 TO 686+50 (℄ KOKEE ROAD) ⚠

STA. 686+50 TO 692+50 (℄ KOKEE ROAD) ⚠

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠ Revised Grading ℄ Callouts; Revised Engineer's Stamp

BRIAN A. LOCK
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No. 9867-C
HAWAII, U.S.A.

⚠

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

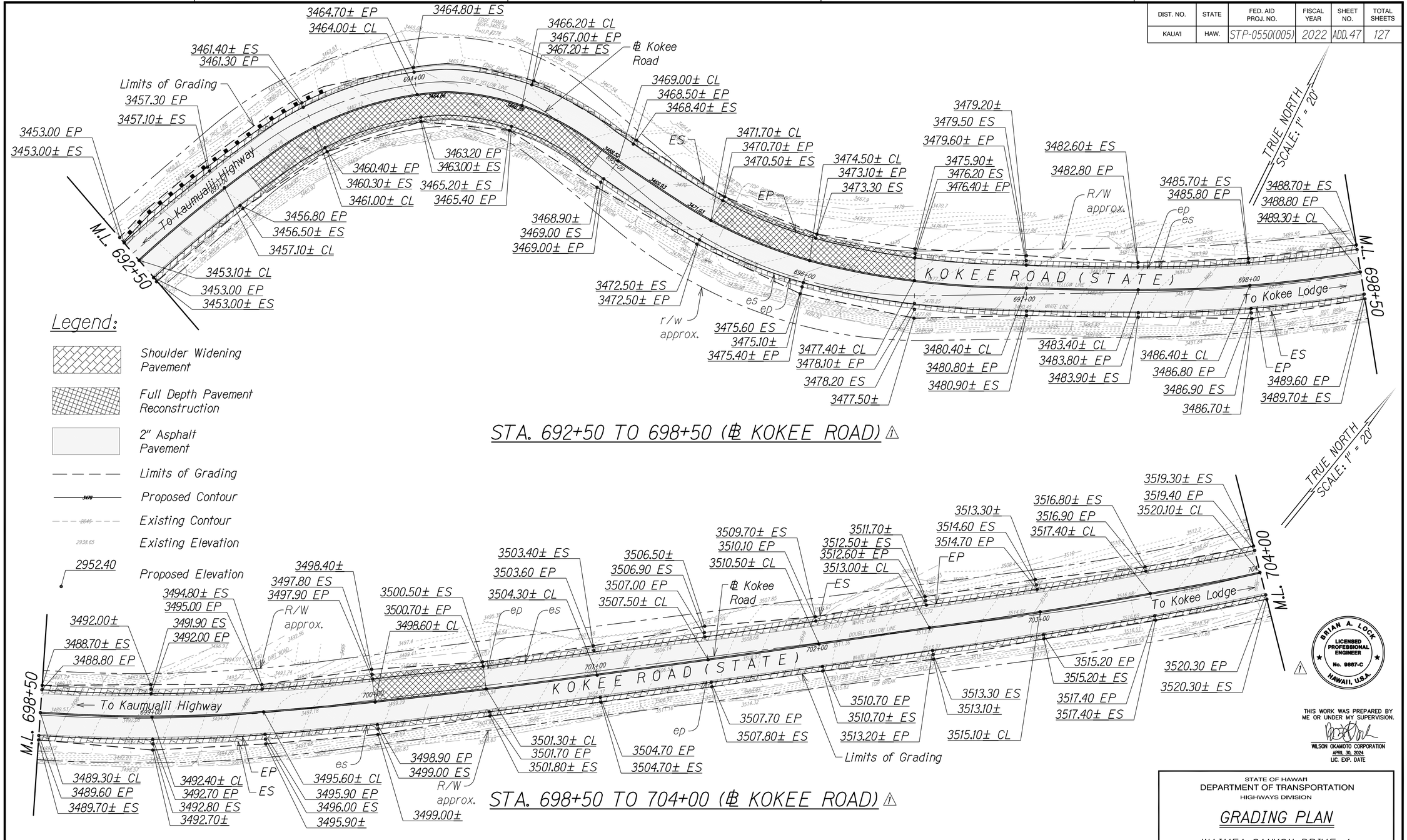
Scale: 1" = 20' Date: August 2022

SHEET No. 8 OF 13 SHEETS

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

ADD 46

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 47	127



Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- Proposed Contour
- Existing Contour
- Existing Elevation
- Proposed Elevation

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠ Revised Grading & Callouts; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 9 OF 13 SHEETS

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

ADD 47

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 48	127

TRUE NORTH
SCALE: 1" = 20'

M.L. 704+00

Limits of Grading

3519.30±ES
3519.40±EP
3522.00±
3522.50 ES
3522.60± EP
EP
3525.80± ES
3525.90± EP
3528.70±
3529.30 ES
3529.40 EP
3532.60± ES
3532.70± EP
℄ Kokee Road
3535.30±
3535.80 ES
3535.80 EP
r/w approx.
3538.20± ES
3538.50 EP
3541.40± ES
3541.50 EP
3541.80± CL
3544.20± ES
3544.30 EP
3544.80± CL
3547.80±
3548.30 ES
3548.30 EP
3552.90± ES
3553.00± EP
3552.70± CL
3548.30 EP
ES
3557.30± CL
3557.60± EP
3557.70 ES
3557.60±
3560.90± ES
3561.00± EP

To Kaumualii Highway

KOKEE ROAD (STATE)

To Kokee Lodge

3520.10± CL
3520.30 EP
3520.30± ES
3523.20± CL
3523.60 EP
3523.70 ES
3523.50±
3526.40± CL
3526.60± EP
3526.60± ES
ES
EP
3529.70± CL
3529.80 EP
3529.80± ES
3533.00± CL
3532.90 EP
3532.90± ES
3536.00± CL
3535.90 EP
3535.90± ES
3538.90± CL
3538.80 ES
3538.30±
3541.50±
3541.70 EP
3541.70 ES
r/w approx.
3544.80 EP
3544.80± ES
es
ep
3548.40± CL
3548.30 EP
3548.20± ES
3552.10± EP
3552.00± ES
3557.00±
3556.50 ES
3556.60± EP
3561.30± CL
3561.10± EP
3561.10± ES
M.L. 710+00

STA. 704+00 TO 710+00 (℄ KOKEE ROAD) ⚠

3595.00±
3595.40± ES
3595.30± EP
3594.90± CL
3591.90± CL
3592.40± EP
3592.30± ES
es
3597.50± EP
3597.50± ES
r/w approx.
3599.10± CL
3598.30± EP
3598.10 ES
3598.20±
3599.10± EP
3598.90± ES
3600.50± ES
3600.60± EP
3601.70± CL
3588.90± CL
3589.00± EP
3589.00 ES
3588.60±
℄ Kokee Road
3584.90± EP
3584.80 ES
3584.30±
ES
EP
3581.10± CL
3579.90± EP
3579.90 ES
3579.00±
3575.90 EP
3575.70± ES
3572.10± ES
3572.30 EP
3581.80± ES
3581.70± EP
Limits of Grading
3577.00± CL
3577.70± ES
3577.60± EP
3573.30± CL
3573.90± EP
3574.00 ES
3573.80±
ES
3569.70± EP
3569.90 ES
3569.60±
3565.10± EP
3565.20± ES
r/w approx.
3588.40± ES
3588.50± EP
3590.70± EP
3590.60± ES
3593.20± ES
3593.50± EP
3595.90± ES
3596.20± EP
3597.40± CL
℄ Kokee Road
3585.90± ES
3585.90± EP
3585.70± CL
EP
ep
3599.20±
3599.30 ES
3599.20± EP
es
3600.40± CL
3601.20± EP
3601.20± ES
3603.60± ES
3603.80±
M.L. 716+50
3561.30± CL
3561.00± EP
3560.90± ES
3563.80± ES
3563.90± EP
3564.50± CL
3567.40± ES
3567.60± EP
3568.60± CL
M.L. 710+00
To Kaumualii Highway
3561.10± ES
3561.10± EP

TRUE NORTH
SCALE: 1" = 20'

STA. 710+00 TO 716+50 (℄ KOKEE ROAD) ⚠

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- 3478 — Proposed Contour
- 2845 — Existing Contour
- 2938.65 — Existing Elevation
- 2952.40 — Proposed Elevation

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

BRIAN A. LOCK
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No. 9887-C
HAWAII, U.S.A.

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APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Grading & Callouts; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

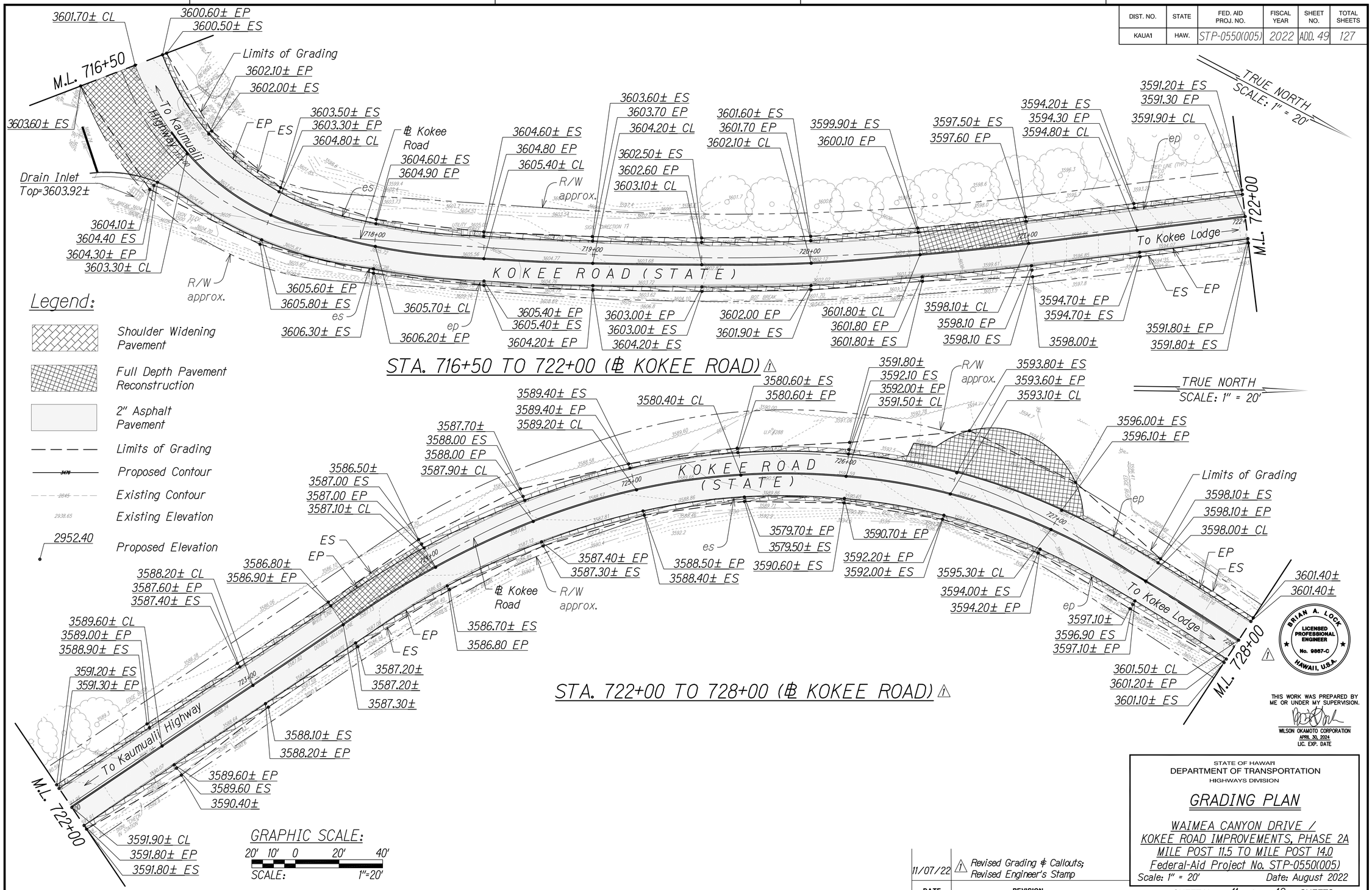
SHEET No. 10 OF 13 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 48

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 49	127



STA. 716+50 TO 722+00 (℄ KOKEE ROAD) ⚠1

STA. 722+00 TO 728+00 (℄ KOKEE ROAD) ⚠1

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- 3476 — Proposed Contour
- 2845 — Existing Contour
- 2938.65 — Existing Elevation
- 2952.40 — Proposed Elevation

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠1 Revised Grading & Callouts; Revised Engineer's Stamp

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

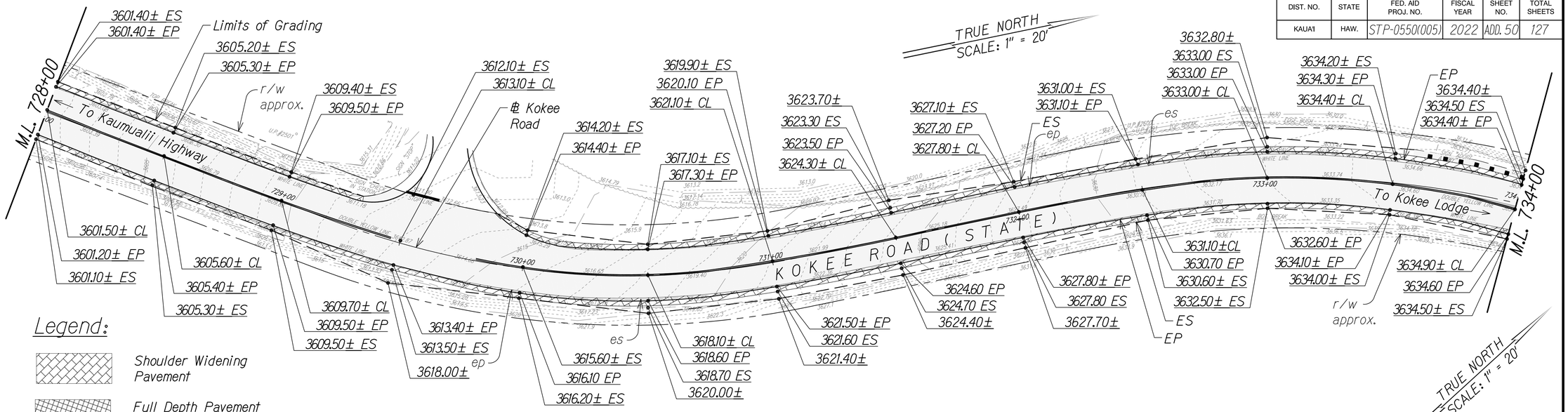
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 11 OF 13 SHEETS

COPY OF ORIGINAL TRACING

ADD 49

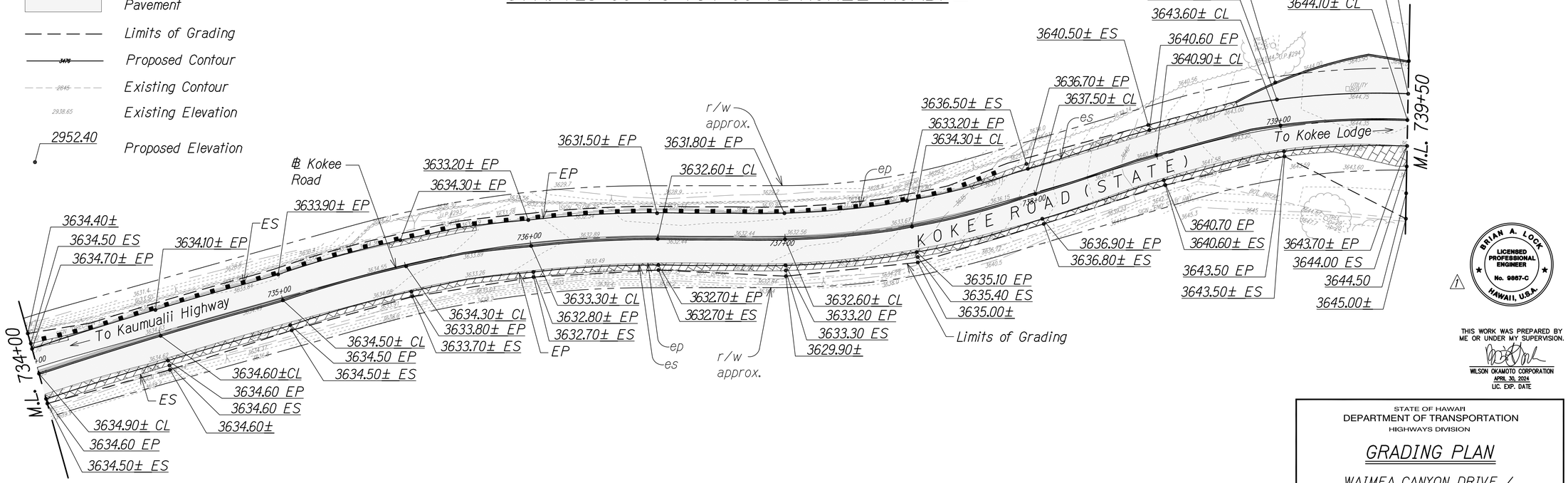
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 50	127



STA. 728+00 TO 734+00 (℄ KOKEE ROAD) ⚠

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- 3670 Proposed Contour
- 2845 Existing Contour
- 2938.65 Existing Elevation
- 2952.40 Proposed Elevation



STA. 734+00 TO 739+50 (℄ KOKEE ROAD) ⚠

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

DATE	REVISION
11/07/22	⚠ Revised Grading ℄ Callouts; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

⚠

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 12 OF 13 SHEETS

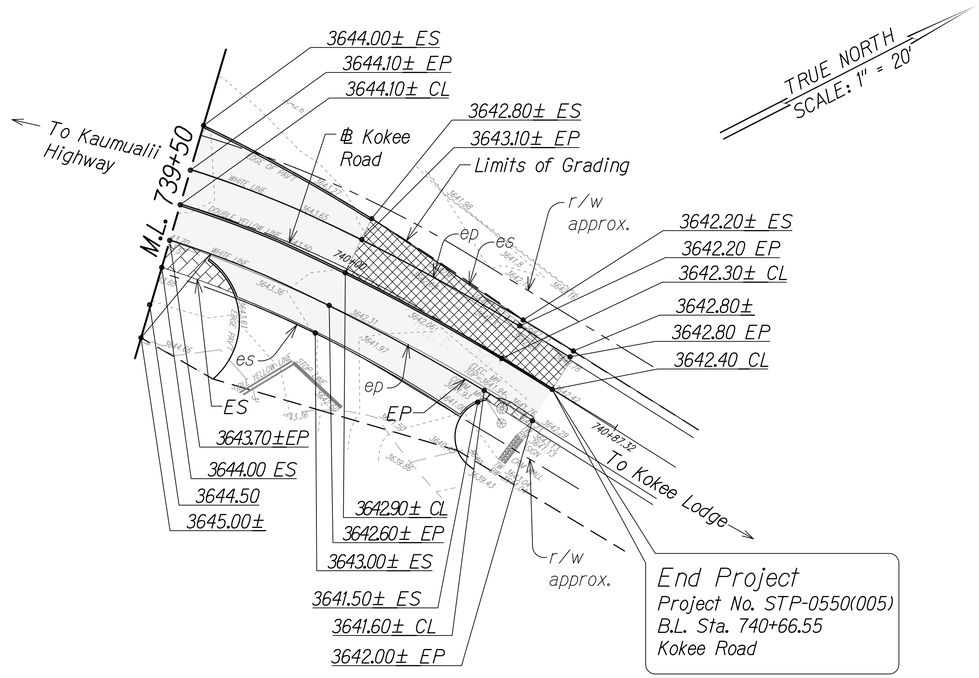
COPY OF ORIGINAL TRACING

ADD 50

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 51	127

Legend:

- Shoulder Widening Pavement
- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Limits of Grading
- Proposed Contour
- Existing Contour
- Existing Elevation
- 2952.40 Proposed Elevation



STA. 739+50 TO 740+66.55 (℄ KOKEE ROAD) ⚠1

Notes

1. Unpaved Shoulders shall be Graded to Promote Positive Drainage.

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

ORIGINAL PLAN
NOTE BOOK ____ No. ____

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

⚠1

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 13 OF 13 SHEETS

DATE	REVISION
11/07/22	⚠1 Revised Grading & Callouts; Revised Engineer's Stamp

COPY OF ORIGINAL TRACING

ADD 51

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 52	127

PAVEMENT MARKING LEGEND ⚠

10' White Profiled Thermoplastic Stripe
Type C Raised Pavement Markers @ 40'–0" o.c.

10' Yellow Profiled Thermoplastic Stripe
Type D Raised Pavement Markers @ 40'–0" o.c.

8" White Stripe with Type C Raised Pavement Markers @ 20'–0" o.c. (Tape, Type I or Thermoplastic Extrusion)

4" Double Solid Yellow Stripes with Type D Raised Pavement Markers On Both Outside Edges of 4" Yellow Stripe @ 10'–0" o.c. (Tape, Type I or Thermoplastic Extrusion)

4" Double Solid Yellow Stripes with Type H Raised Pavement Markers on Both Outside Edges of 4" Yellow Stripe @ 10'–0" o.c. (Tape, Type II or Thermoplastic Extrusion)

6" Yellow Edge Stripe with Type H Raised Pavement Markers @ 10'–0" o.c. (Tape, Type II or Thermoplastic Extrusion)

4" Double Solid White Stripes with Type C Raised Pavement Markers @ 20'–0" o.c. (Tape, Type I or Thermoplastic Extrusion)

Lane Change Restriction Marking
10' White Profiled Thermoplastic Stripe
Type C Raised Pavement Markers @ 20'–0' o.c.
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)

6" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 20'–0" o.c. (Tape, Type II or Thermoplastic Extrusions)

4" White Guide Line (Tape, Type III or Thermoplastic Extrusion except for bus bays)

Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion)

Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion)

Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion)

② Crosswalk and Stop Line. All Stop Lines shall be 10'–0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment (Tape, Type III or Thermoplastic Extrusion)

Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)

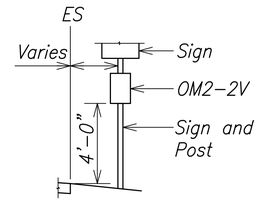
STOP Pavement Word (Tape, Type III or Thermoplastic Extrusion)

10' Yellow Profiled Thermoplastic Stripe @ 40'–0" o.c.
Type D Raised Pavement Markers on Outside Edge and Midway Between Yellow Profiled Thermoplastic Stripe @ 40'–0" o.c. (Passing Direction)
Type D Raised Pavement Markers on Outside Edge of 4" Single Solid Yellow Stripe @ 10'–0" o.c. (No–Passing Direction)
4" Single Solid Yellow Stripe (Tape, Type I or Thermoplastic Extrusion)

10'10'10'10' Extension of Edge Line, 4" Wide x 2'–0" Long White Stripe @ 10'–0" o.c. w/ Type C Markers @ 40'–0" o.c. (Tape, Type III or Thermoplastic Extrusion)

NOTES

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be approved by the Engineer prior to any installation work.
5. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
7. All pavement striping shall be as noted on the legend or plans.
8. All preformed pavement marking tapes over existing pavement shall be applied an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. All pedestrian warning signs with supplemental sign shall be on a fluorescent yellow–green retroreflective background with a black legend or border.
10. Object marker (OM–5) shall be Vis–Z–shield manufactured by Zumor or approved equal.
11. Background of object marker shall be retroreflectorized with Type XI Retroreflective sheeting.
12. The color of the object marker (retroreflective sheeting) shall be red for "STOP" and "YIELD" signs, others shall be yellow retroreflective sheeting.
13. Existing signs that are to be replaced shall not be removed until new signs are installed as replacements, or the messages are no longer necessary. Removal of existing signs and posts to be replaced shall be considered incidental to the various sign items.
14. All sign panels shall conform to Section 6.31 of Special Provisions and the latest editions and amendments of the following FHWA publications:
    A. "Manual on Uniform Traffic Control Devices for Street and Highways" (MUTCD)
    B. "Standard Highway Signs
    C. "Standard Alphabets for Highway Signs"
15. The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs as indicated on the plans or as directed by the Engineer for the duration of the highway project and shall be maintained by the Contractor. These signs shall be replaced in addition to the required traffic control signs called for in Section 645–Traffic Control. The advance construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean and deliver the signs and posts to the Kauaí District Baseyard or as directed by the Engineer at the end of the project.
16. The Contractor shall install new Type II (OM–2H) Object Markers on all utility poles that are within the State Highway Right–of–way as directed by the Engineer. This shall be considered incidental to the various sign items.
17. All traffic control devices including: signs, barricades, vertical panels, warning lights, arrow boards, changeable message signs, cones and tubular markers that meet the requirements of American Traffic Safety Services Association (ATSSA), "Quality Standard for Work Zone Traffic Control Devices, 1992" shall be used on this project. Compliance with this requirement will be considered incidental to the contract and no extra compensation will be allowed.
18. The Contractor shall install new Type 5 Object Markers on all regulatory and warning signs. Contractor shall install OM–2V on all other types of signs. See Std. Det. TE–15 and diagrams on this sheet and sheet 154.



TYPICAL
Not to Scale

DATE	REVISION
11/07/22	⚠1 Revised Presentation of RPM; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING LEGEND
DETAILS AND NOTES

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

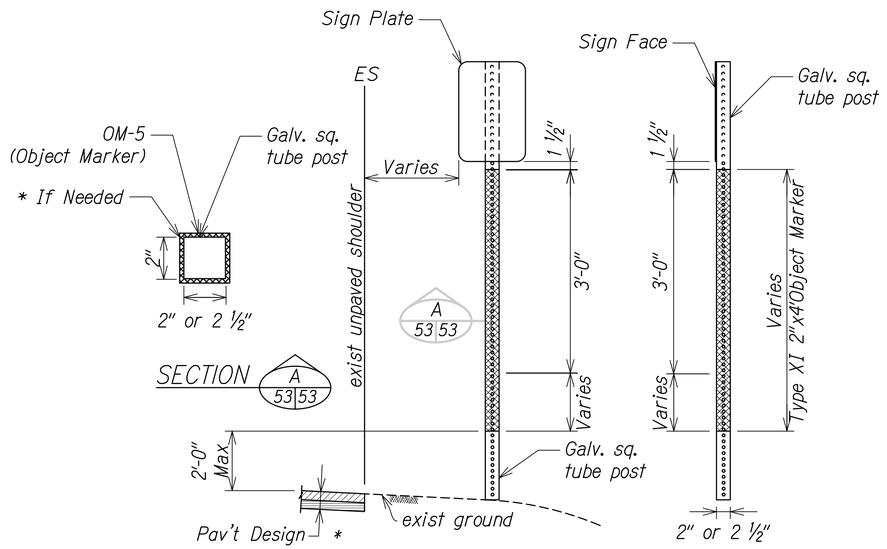
SHEET No. 1 OF 2 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 52

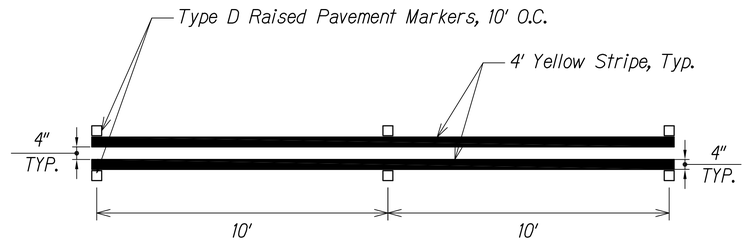
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 53	127



FRONT VIEW SIDE VIEW

OBJECT MARKER (OM-5) DETAIL @ TRAFFIC SIGN POST

Not to Scale



4" DOUBLE SOLID YELLOW CENTERLINE STRIPE WITH TYPE D RAISED PAVEMENT MARKERS ON BOTH SIDES ⚠

Not to Scale

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

⚠

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING DETAILS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 2 OF 2 SHEETS

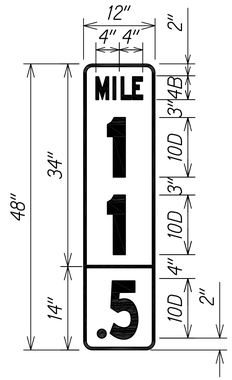
DATE	REVISION
11/07/22	⚠ Added Pavement Marking Detail; Revised Engineer's Stamp

COPY OF ORIGINAL TRACING

ADD 53

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 54	127

Legend: White (Retroreflective)
Background: Green (Retroreflective)



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Not to Scale

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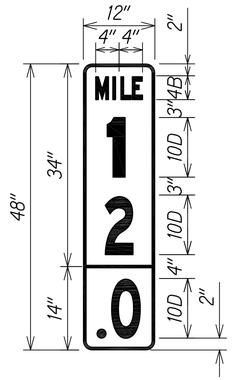
Background: Green (Retroreflective)



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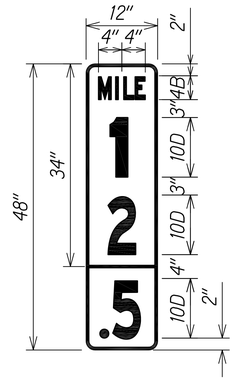
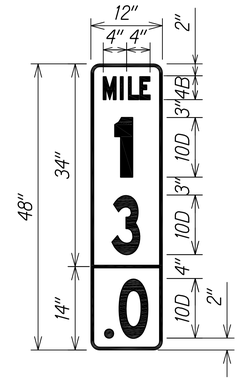
Background: Green (Retroreflective)



D10-2a (12.5)
Not to Scale

Legend: White (Retroreflective)
Background: Green (Retroreflective)



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Not to Scale

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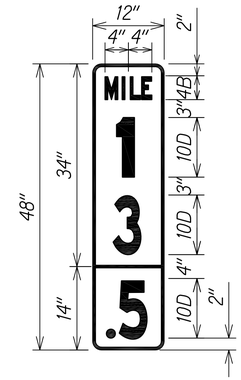
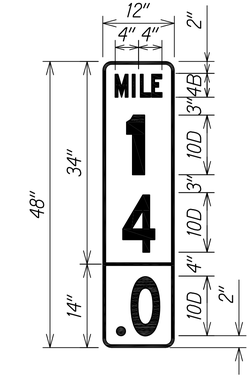
Background: Green (Retroreflective)



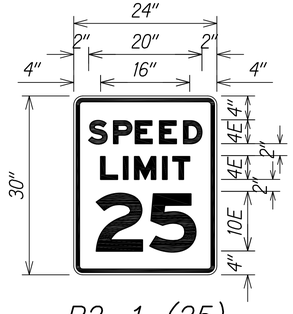
D10-2a (13.5)
Not to Scale

Legend: White (Retroreflective)
Background: Green (Retroreflective)



D10-2a (14.0)
Not to Scale

Legend: Black (Retroreflective)
Background: White (Retroreflective)



R2-1 (25)
Not to Scale

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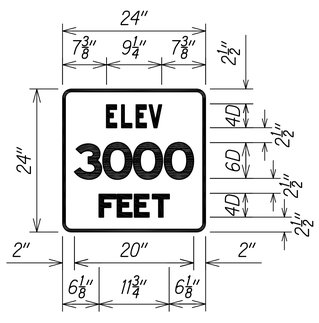
Background: Green (Retroreflective)



I-15 (3000)
Not to Scale

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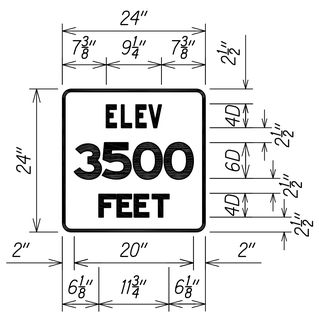
Background: Green (Retroreflective)



I-15 (3500)
Not to Scale

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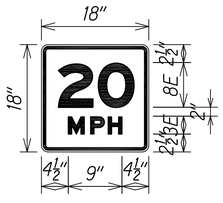
Background: Yellow (Retroreflective)



W13-1P (20)
Not to Scale

NOTES

1. All Signs Faces shall be Completely Reflecterized with Type "B" Reflective Sheeting.
2. Regulatory Signs shall be in Accordance with State Standard Plan TE-04.
3. Mile Post Signs shall be in Accordance with State Standard Plan TE-16.

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGN DETAILS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

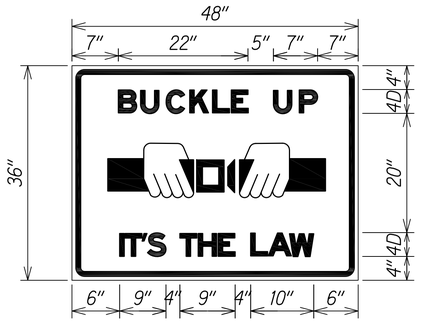
Scale: 1" = 20' Date: August 2022

SHEET No. 1 OF 2 SHEETS

COPY OF ORIGINAL TRACING

ADD 54

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 55	127



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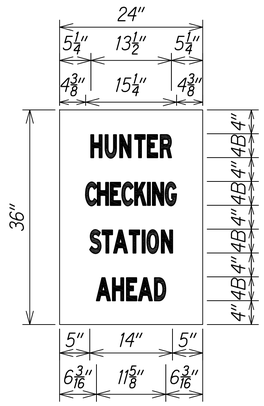
Background: White (Retroreflective)

Custom
Not to Scale



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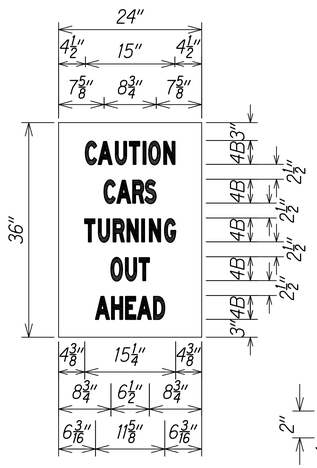
Custom
Not to Scale



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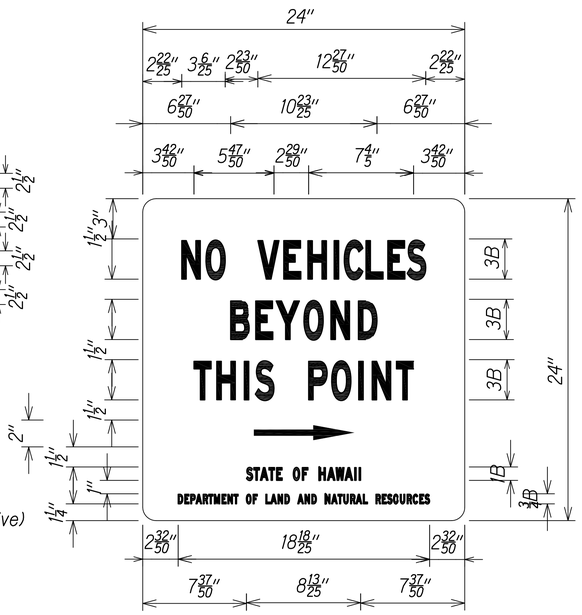
Not to Scale



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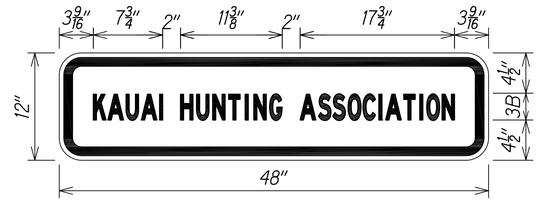
Custom
Not to Scale

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

Custom
Not to Scale



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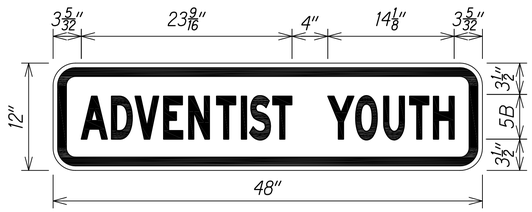
Background: White (Retroreflective)

Custom
Not to Scale



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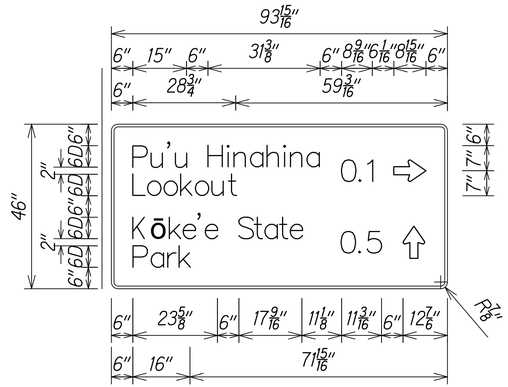
Background: White (Retroreflective)

Custom
Not to Scale



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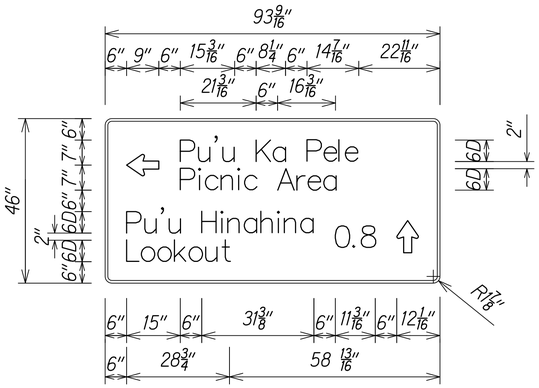
Background: Brown (Retroreflective)

Custom
Not to Scale



Legend: White
Background: Brown (Retroreflective)

Custom
Not to Scale

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

NOTES

1. All Signs Faces shall be Completely Reflecterized with Type "B" Reflective Sheeting.
2. Regulatory Signs shall be in Accordance with State Standard Plan TE-04.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGN DETAILS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

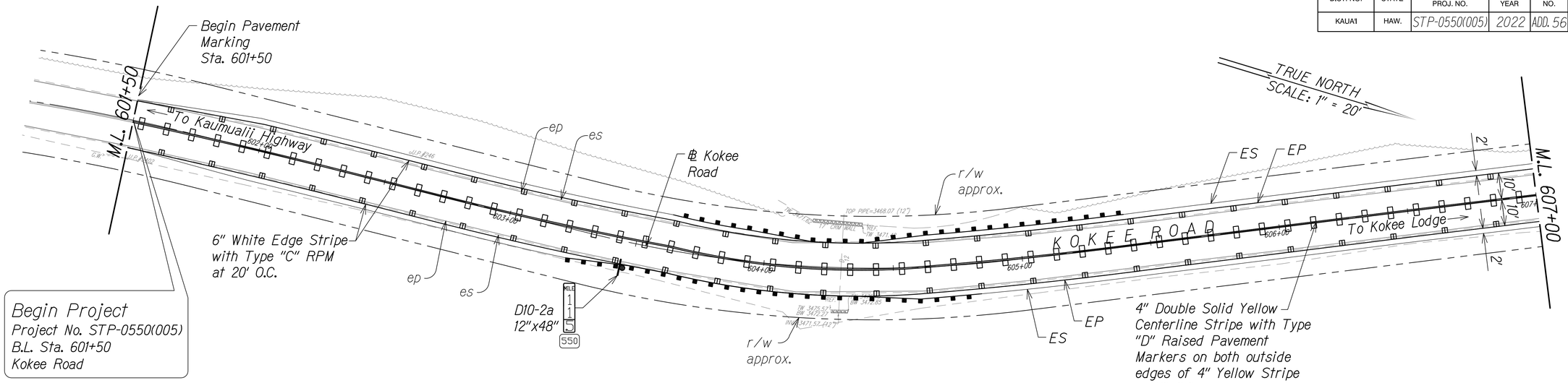
Scale: 1" = 20' Date: August 2022

SHEET No. 2 OF 2 SHEETS

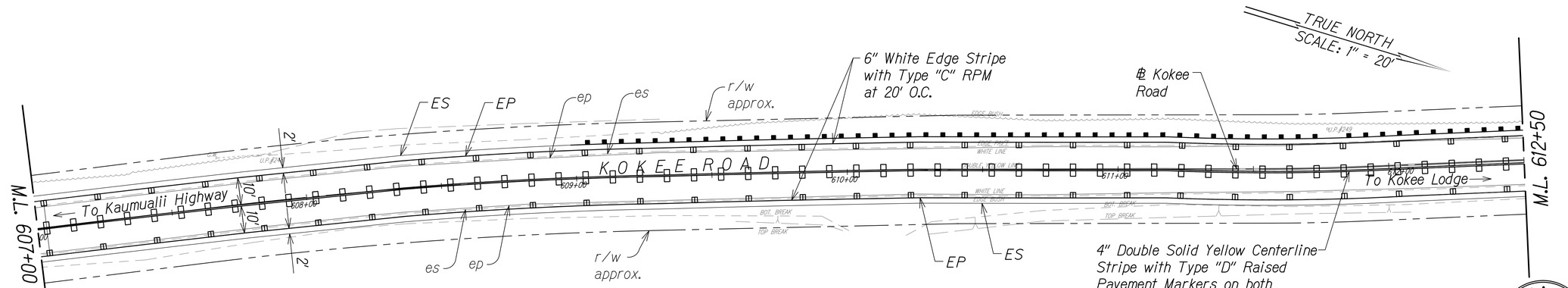
COPY OF ORIGINAL TRACING

ADD 55

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 56	127



STA. 601+50 TO 607+00 (℄ KOKEE ROAD) ⚠1



STA. 607+00 TO 612+50 (℄ KOKEE ROAD) ⚠1

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

ORIGINAL PLAN | NOTE BOOK No. ____

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Presentation of RPM; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

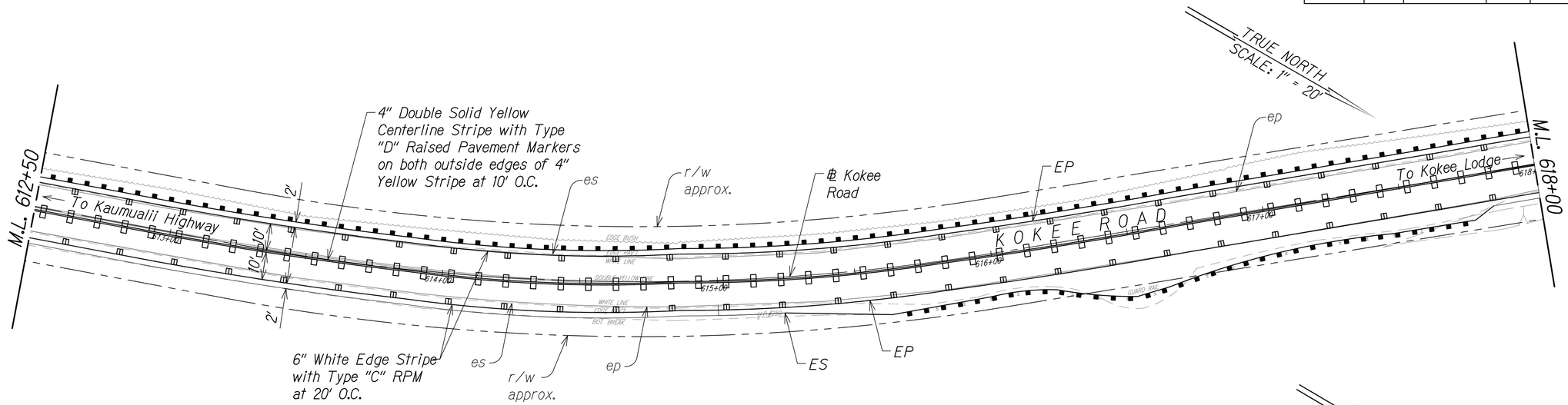
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

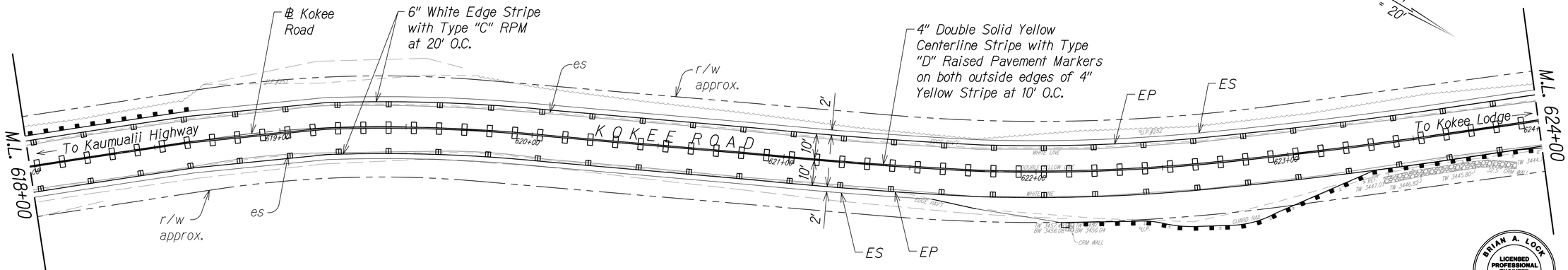
SHEET No. 1 OF 13 SHEETS

ADD 56

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 57	127



STA. 612+50 TO 618+00 (℄ KOKEE ROAD) ⚠



STA. 618+00 TO 624+00 (℄ KOKEE ROAD) ⚠

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

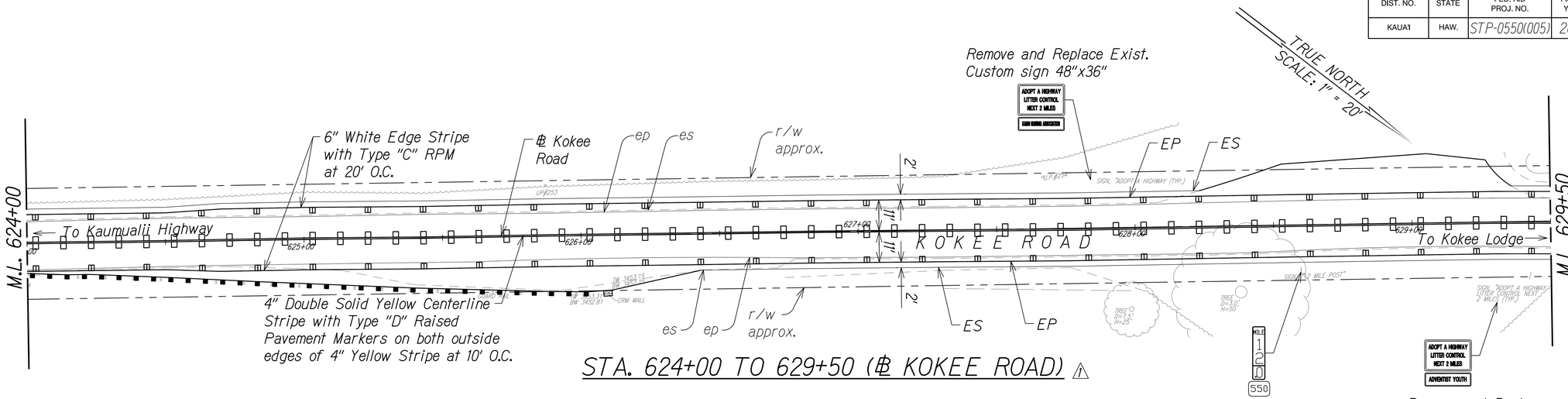
Scale: 1" = 20' Date: August 2022

DATE	REVISION
11/07/22	⚠1 Revised Presentation of RPM; Revised Engineer's Stamp

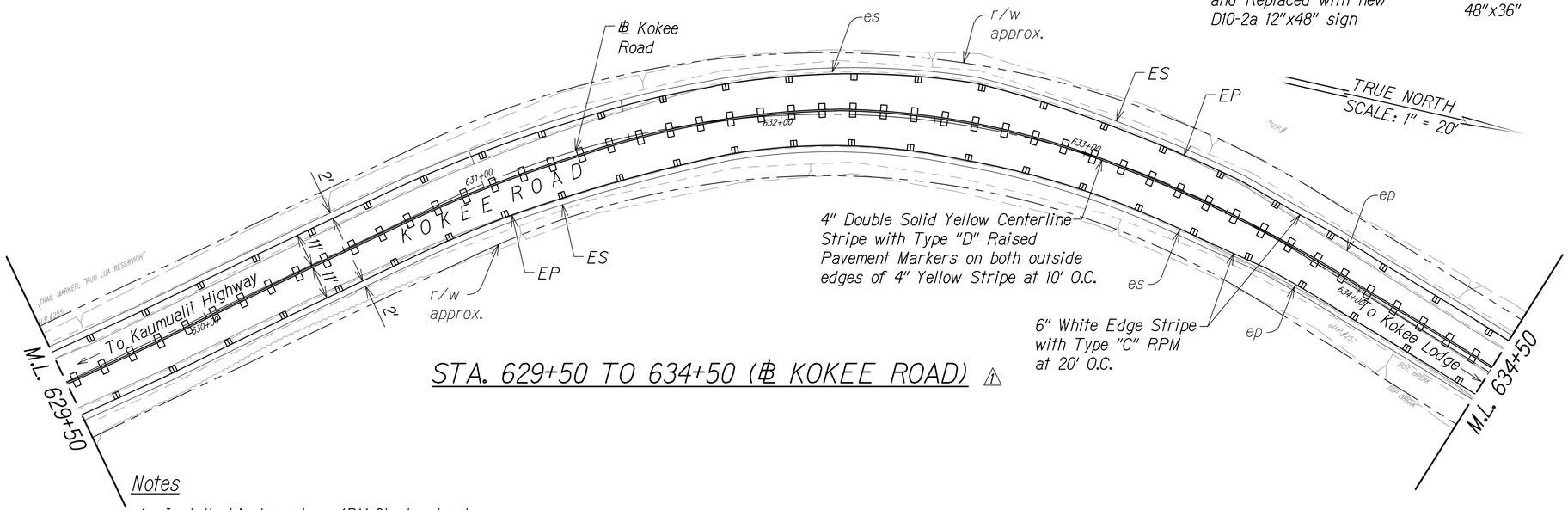
SHEET No. 2 OF 13 SHEETS

ADD 57

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 58	127



STA. 624+00 TO 629+50 (℄ KOKEE ROAD) ⚠



STA. 629+50 TO 634+50 (℄ KOKEE ROAD) ⚠

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22 ⚠	Revised Presentation of RPM; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

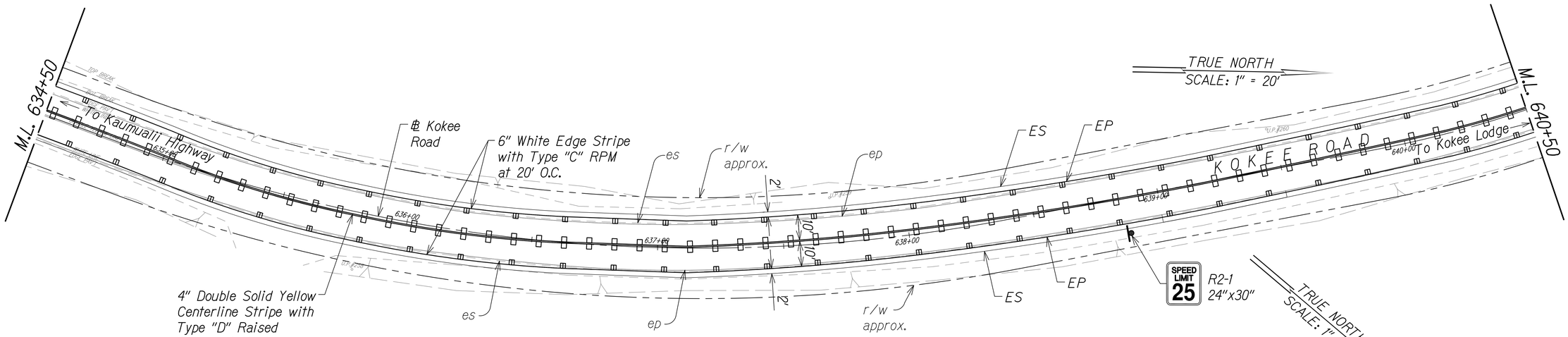
Scale: 1" = 20' Date: August 2022

SHEET No. 3 OF 13 SHEETS

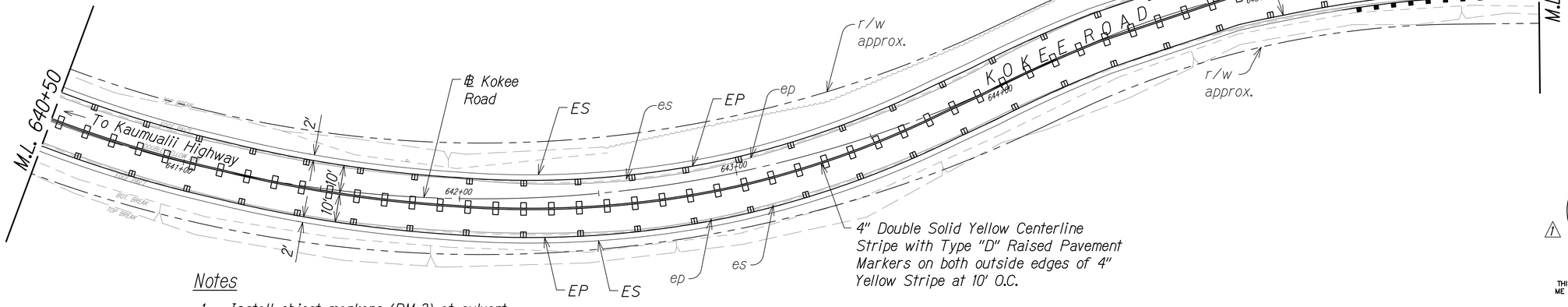
COPY OF ORIGINAL TRACING

ADD 58

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 59	127



STA. 634+50 TO 640+50 (℄ KOKEE ROAD) ⚠



STA. 640+50 TO 646+00 (℄ KOKEE ROAD) ⚠

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

DATE	REVISION
11/07/22	⚠ Revised Presentation of RPM; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

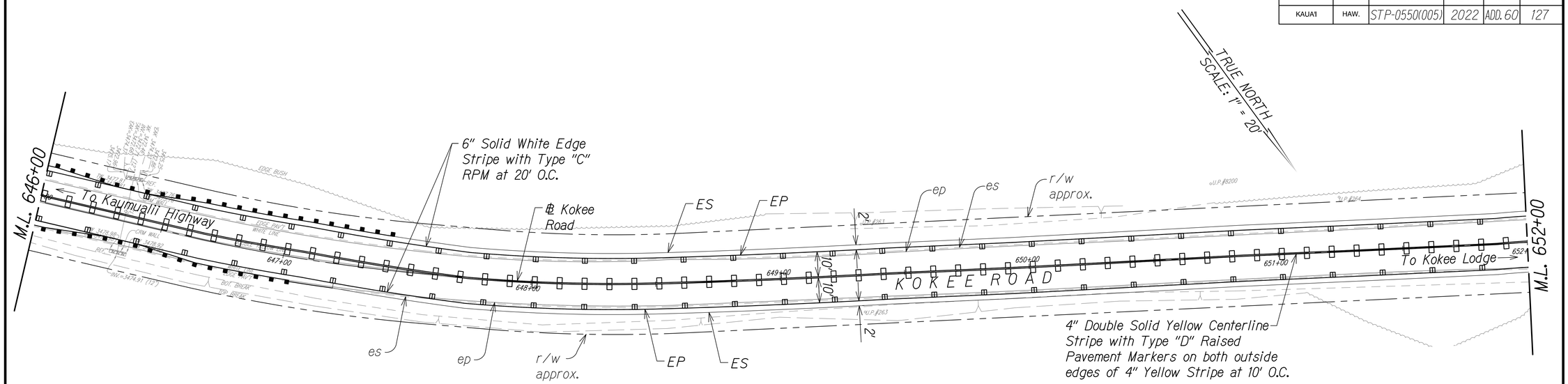
Scale: 1" = 20' Date: August 2022

SHEET No. 4 OF 13 SHEETS

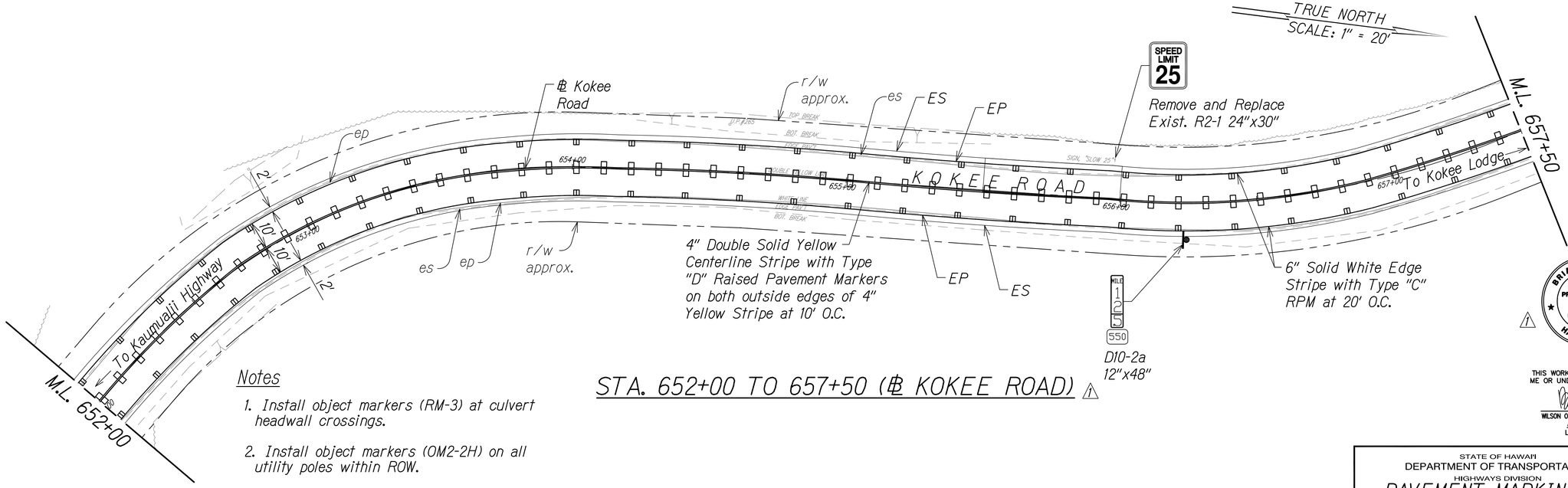
COPY OF ORIGINAL TRACING

ADD 59

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 60	127



STA. 646+00 TO 652+00 (℄ KOKEE ROAD) ⚠



STA. 652+00 TO 657+50 (℄ KOKEE ROAD) ⚠

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

BRIAN A. LOCK
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No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠ Revised Presentation of RPM; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & CONTROL PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

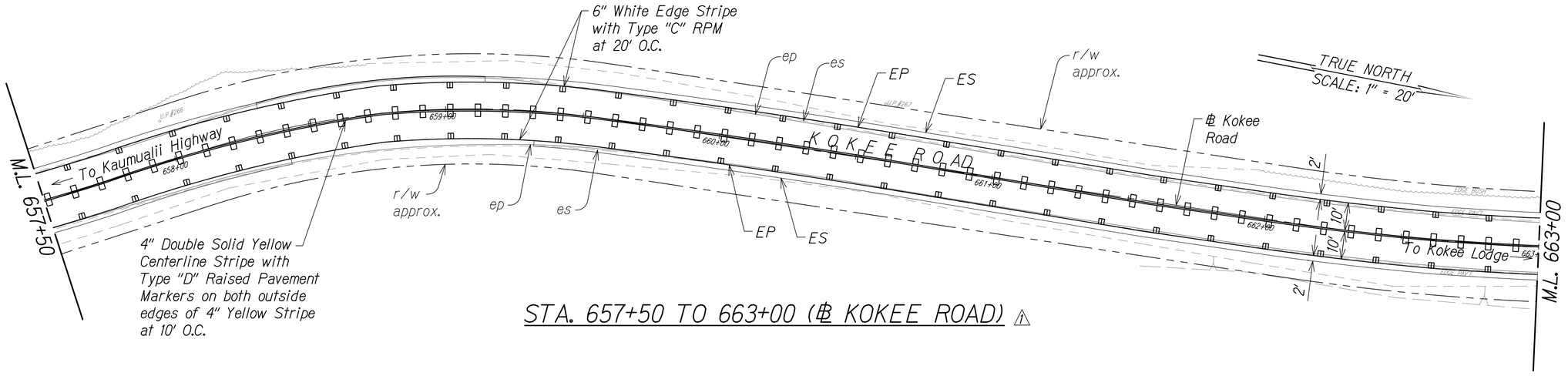
SHEET No. 5 OF 13 SHEETS

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

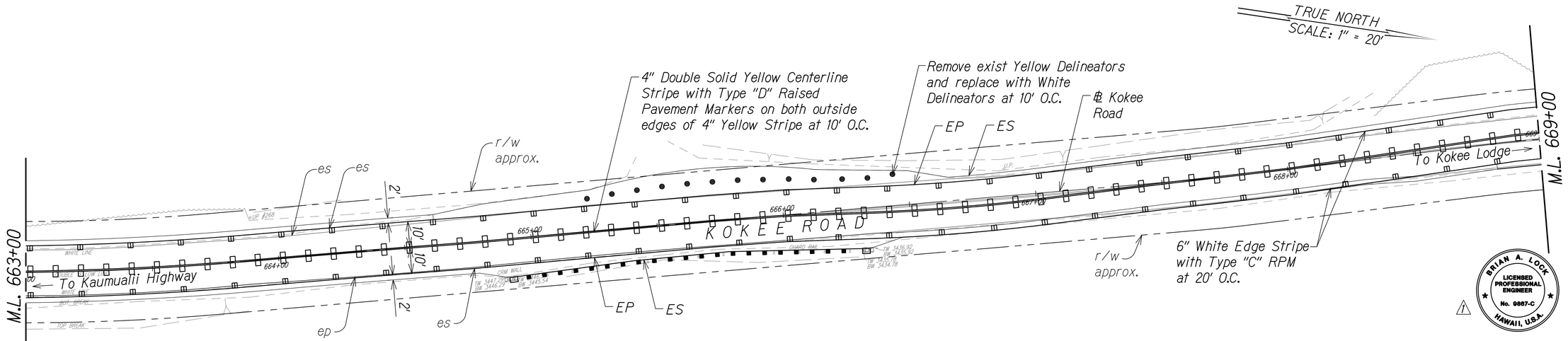
COPY OF ORIGINAL TRACING

ADD 60

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 61	127



STA. 657+50 TO 663+00 (℄ KOKEE ROAD) ⚠1



STA. 663+00 TO 669+00 (℄ KOKEE ROAD) ⚠1

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

⚠1

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Presentation of RPM; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

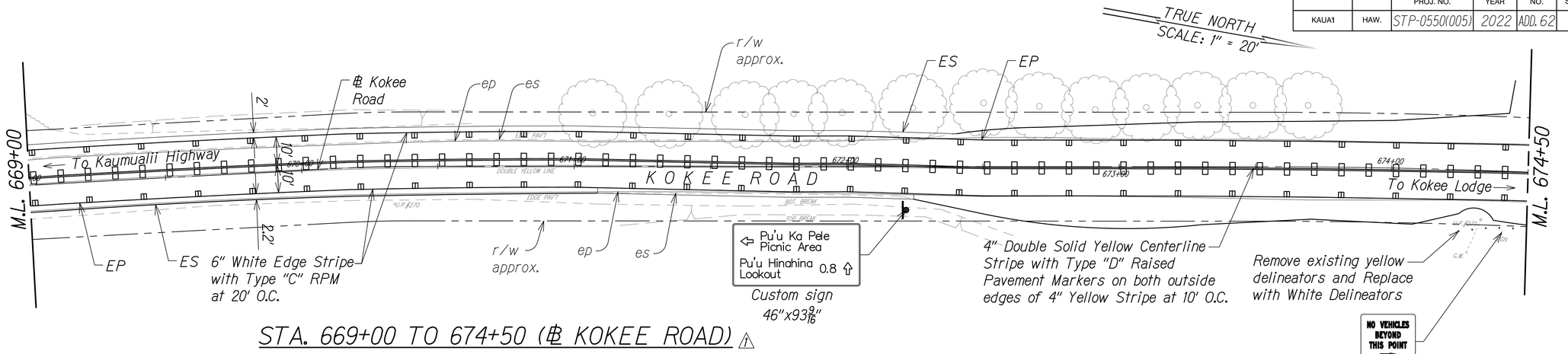
SHEET No. 6 OF 13 SHEETS

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

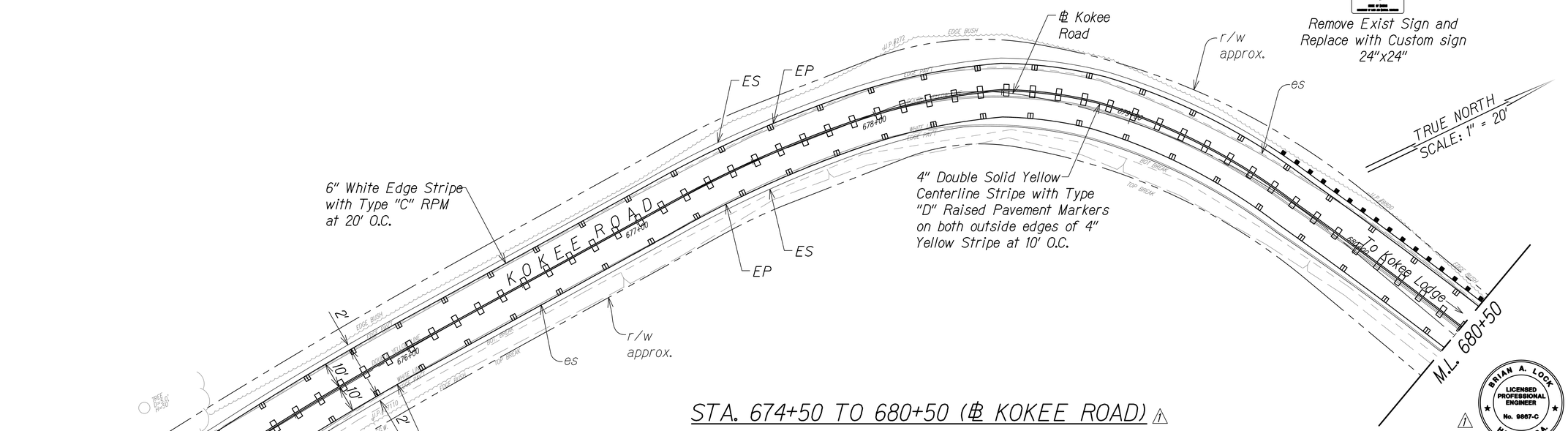
COPY OF ORIGINAL TRACING

ADD 61

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 62	127



STA. 669+00 TO 674+50 (℄ KOKEE ROAD) ⚠1



STA. 674+50 TO 680+50 (℄ KOKEE ROAD) ⚠1

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

DATE	REVISION
11/07/22	⚠1 Revised Presentation of RPM; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.
⚠1

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

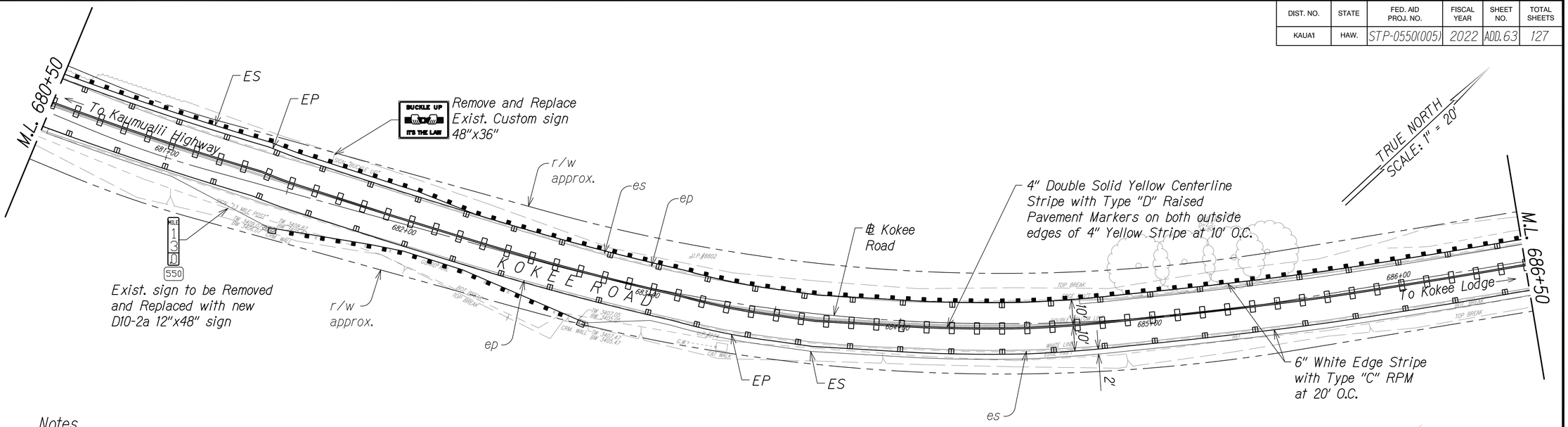
SHEET No. 7 OF 13 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 62

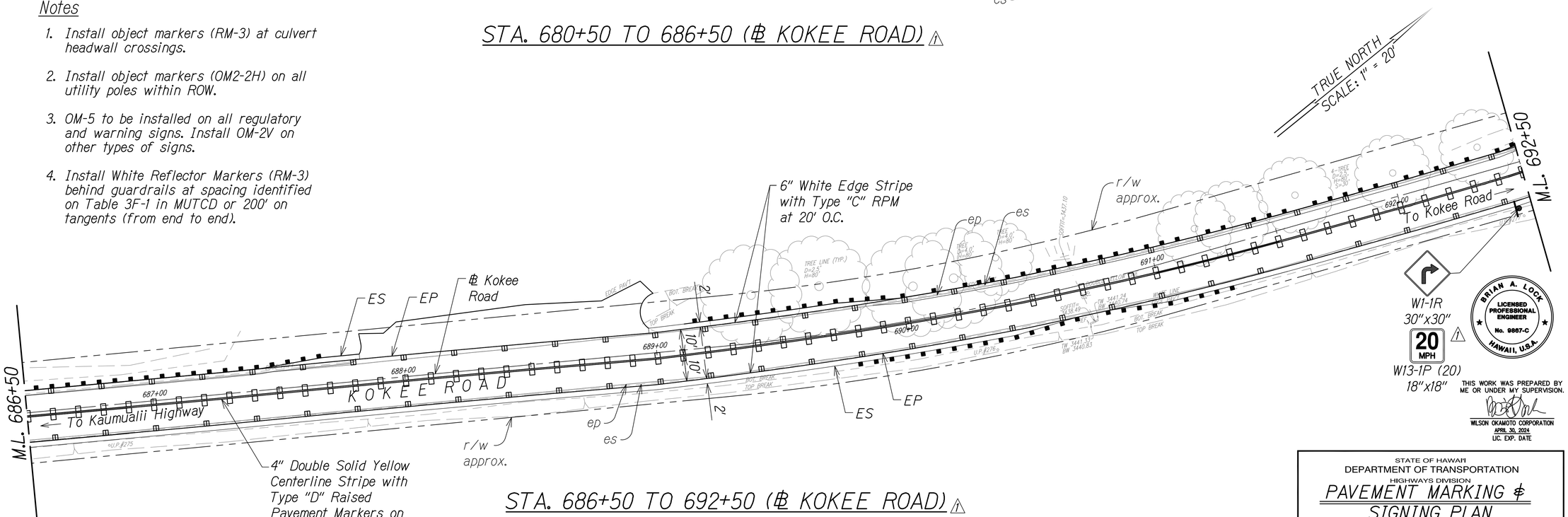
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.63	127



Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

STA. 680+50 TO 686+50 (℄ KOKEE ROAD) ⚠



STA. 686+50 TO 692+50 (℄ KOKEE ROAD) ⚠

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

DATE	REVISION
11/07/22	⚠ Revised Presentation of RPM; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

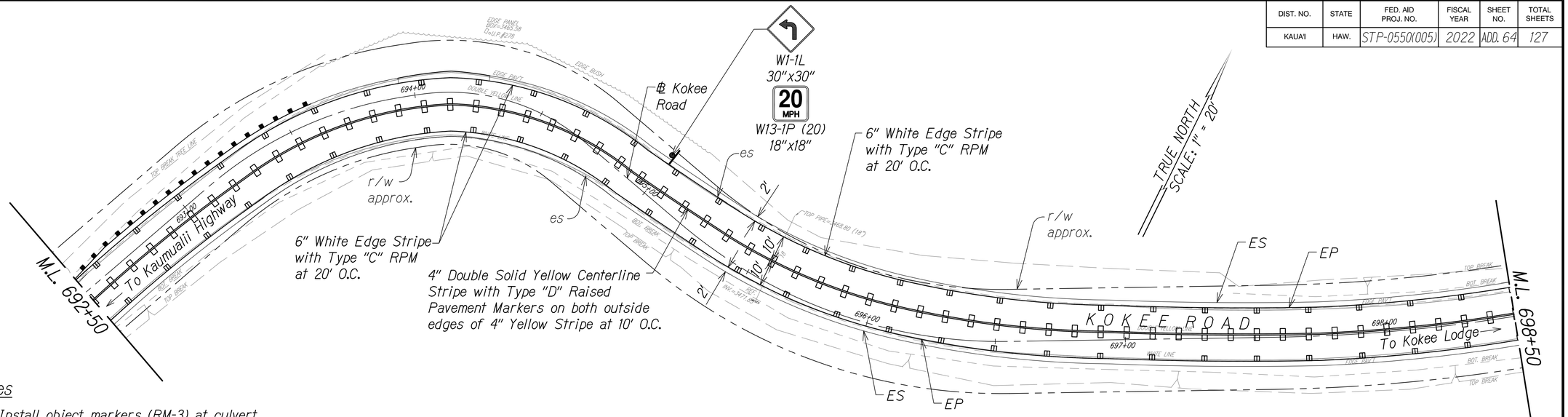
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 8 OF 13 SHEETS

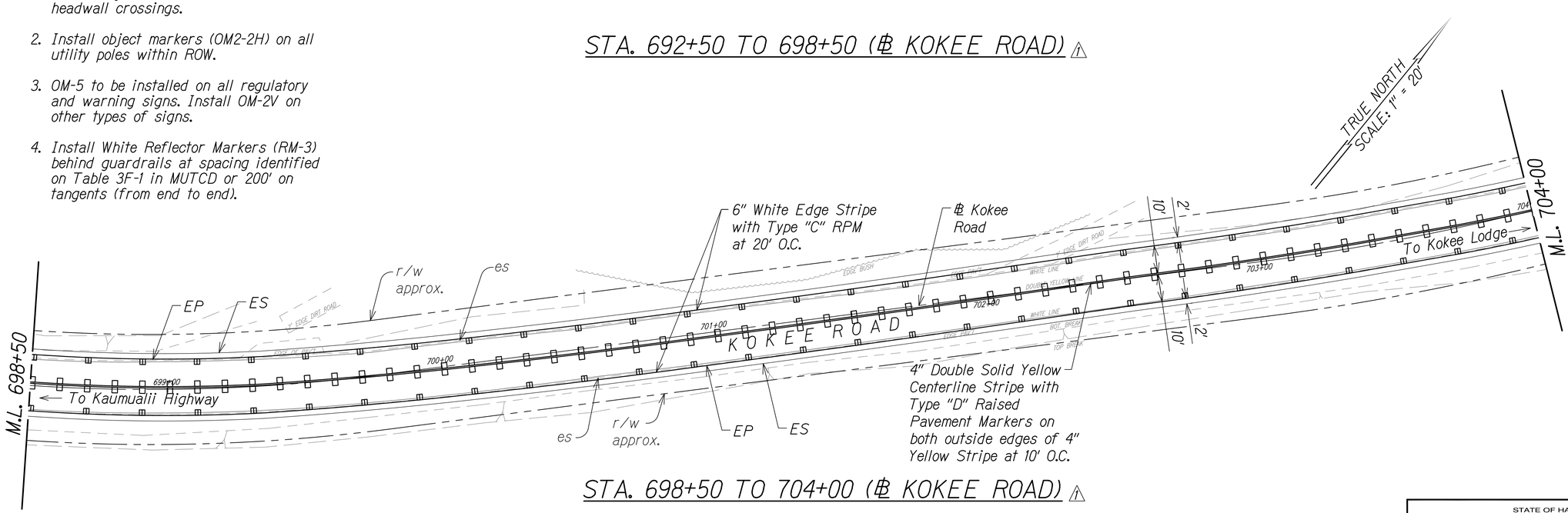
COPY OF ORIGINAL TRACING

ADD 63

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 64	127



STA. 692+50 TO 698+50 (℄ KOKEE ROAD) ⚠1



STA. 698+50 TO 704+00 (℄ KOKEE ROAD) ⚠1

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠1 Revised Presentation of RPM; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

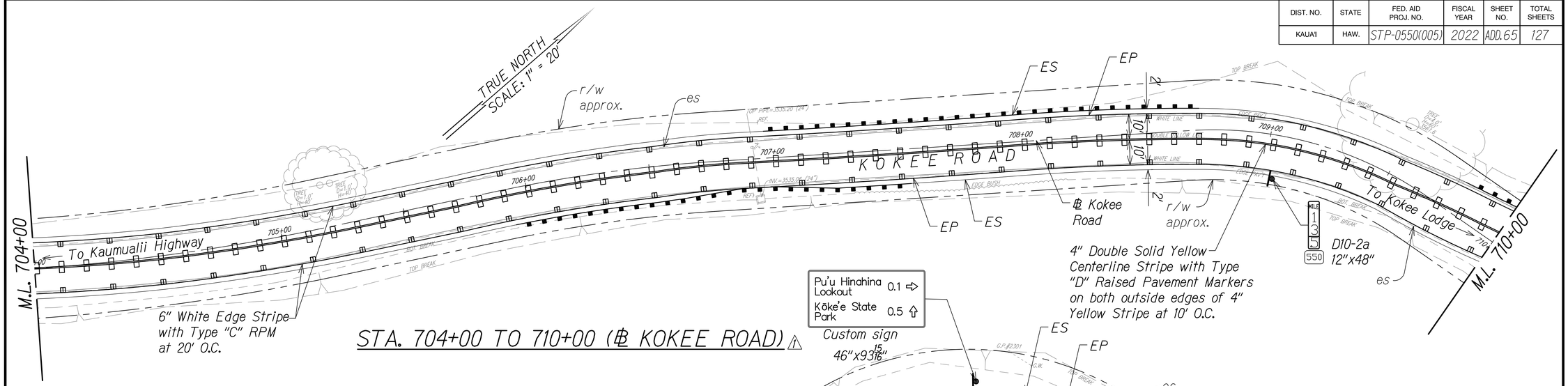
SHEET No. 9 OF 13 SHEETS

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

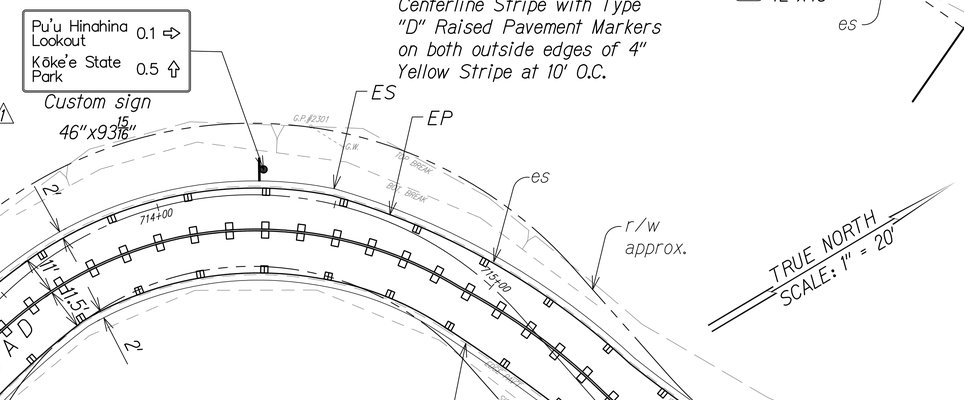
COPY OF ORIGINAL TRACING

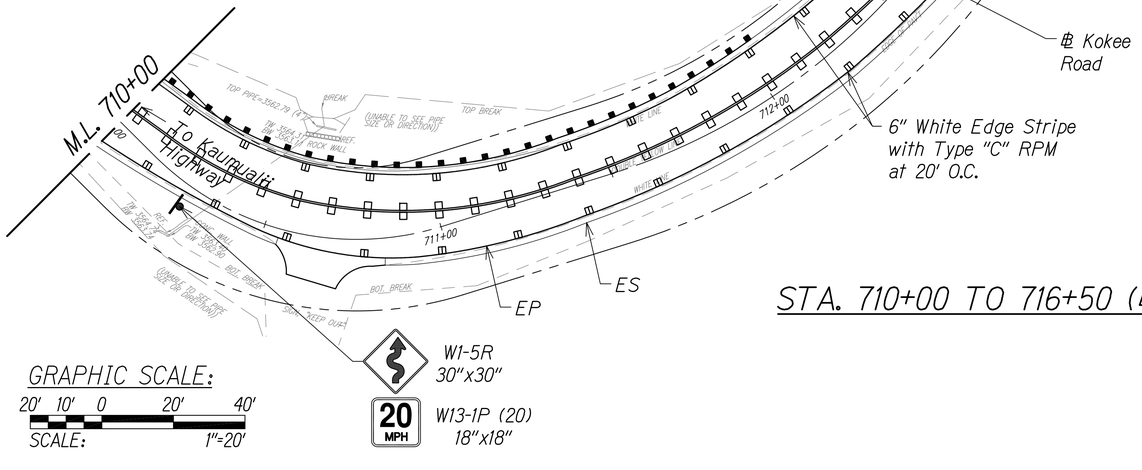
ADD 64

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.65	127



STA. 704+00 TO 710+00 (℄ KOKEE ROAD) ⚠1





STA. 710+00 TO 716+50 (℄ KOKEE ROAD) ⚠1

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Presentation of RPM; Revised Engineer's Stamp

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

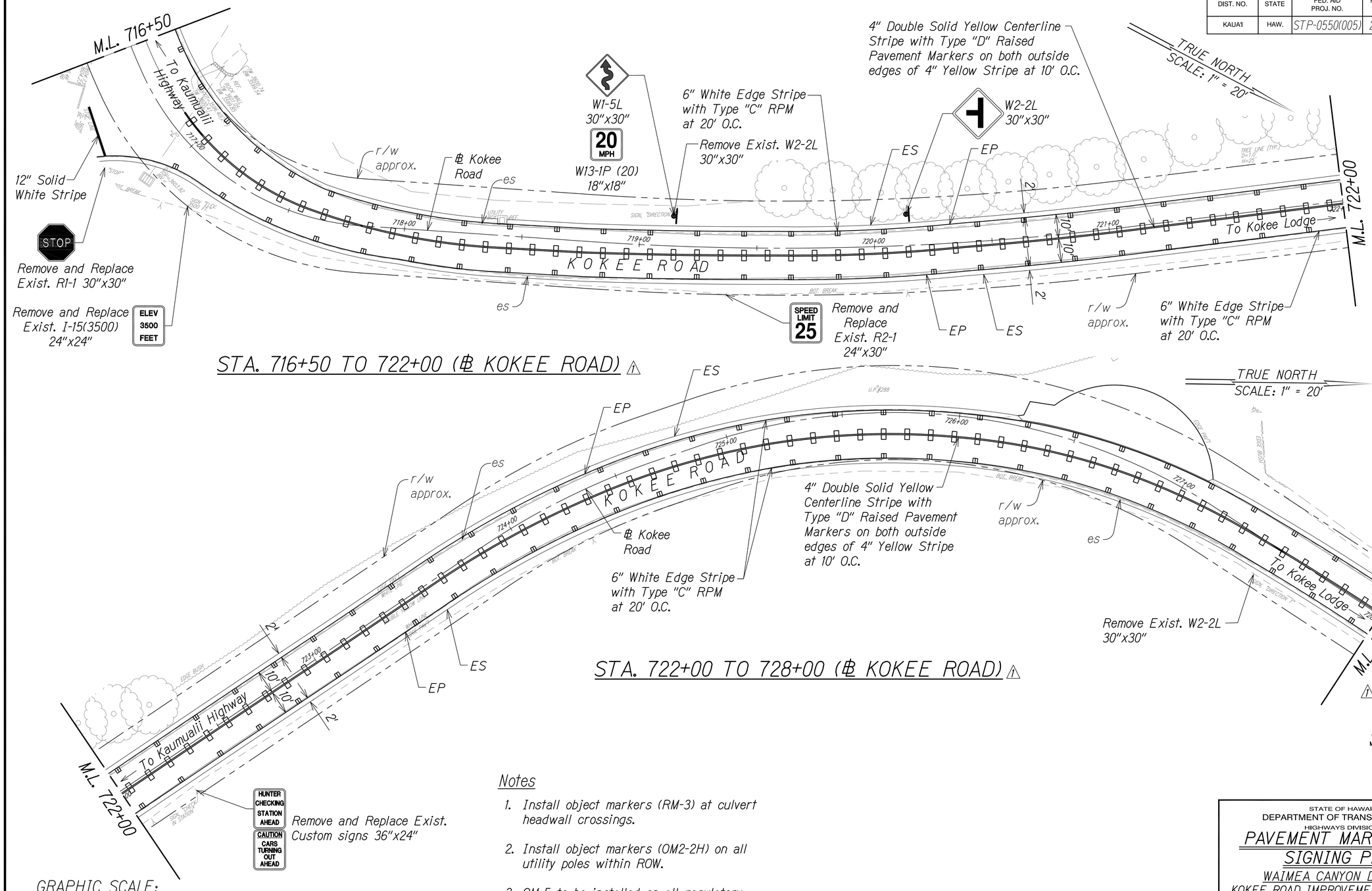
PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 10 OF 13 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 66	127



Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠ Revised Presentation of RPM; Revised Engineer's Stamp

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

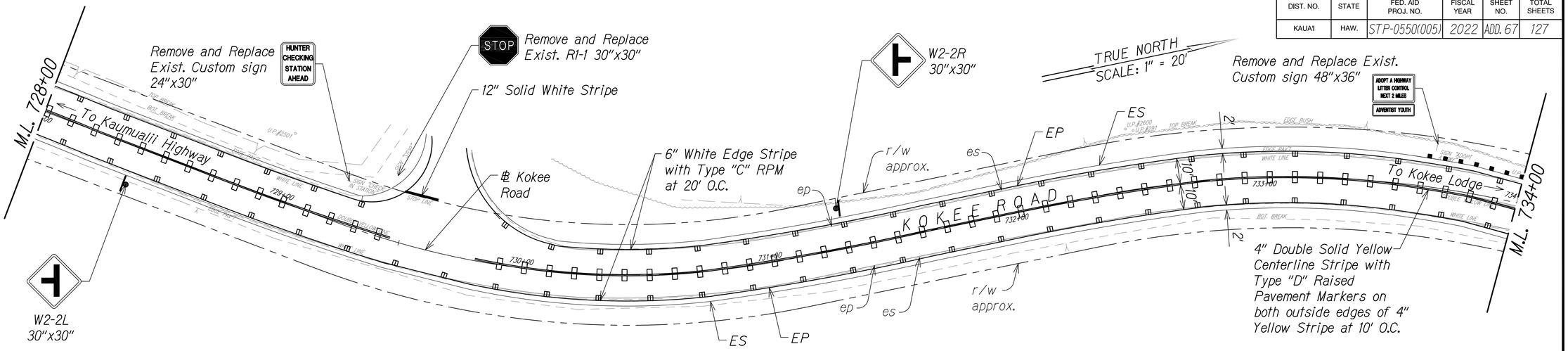
Scale: 1" = 20' Date: August 2022

SHEET No. 11 OF 13 SHEETS

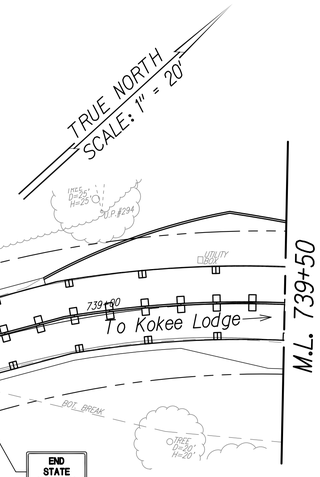
COPY OF ORIGINAL TRACING

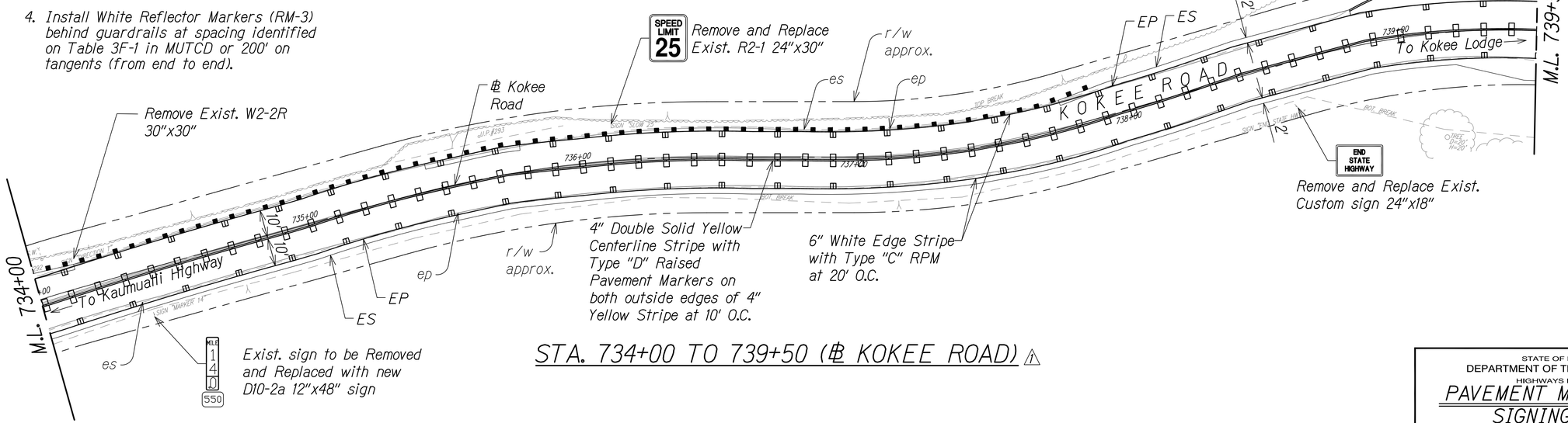
ADD 66

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 67	127



STA. 728+00 TO 734+00 (℄ KOKEE ROAD) ⚠1





STA. 734+00 TO 739+50 (℄ KOKEE ROAD) ⚠1

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1"=20'

DATE	REVISION
11/07/22	⚠1 Revised Presentation of RPM; Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 12 OF 13 SHEETS

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

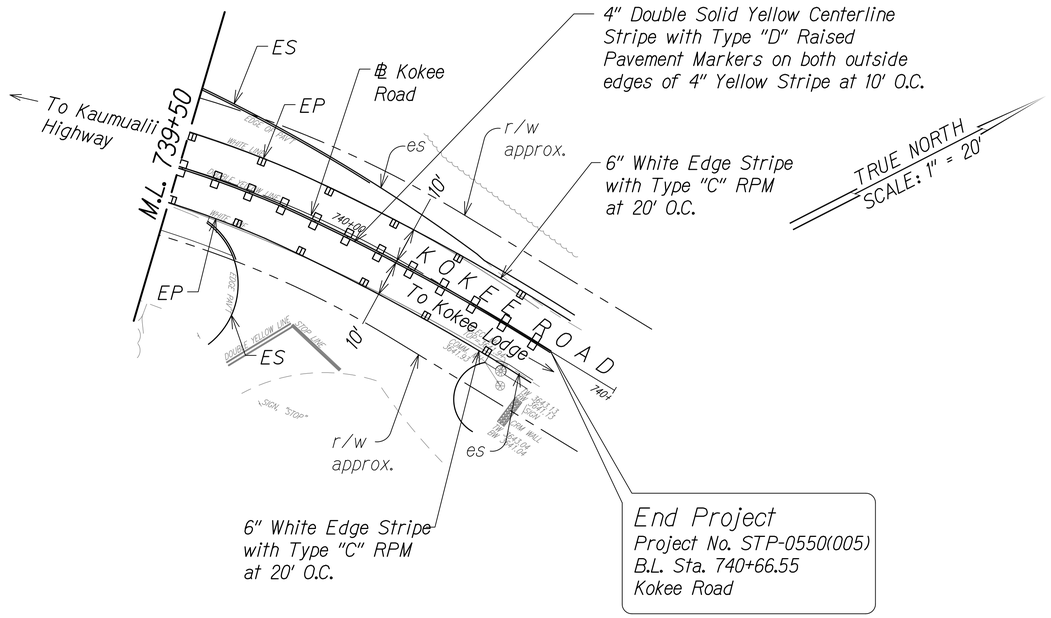
Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).

COPY OF ORIGINAL TRACING

ADD 67

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 68	127



STA. 739+50 TO 740+87.32 (℄ KOKEE ROAD) ⚠

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

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM2-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.

GRAPHIC SCALE:

20' 10' 0 20' 40'

SCALE: 1"=20'

⚠ BRIAN A. LOCK LICENSED PROFESSIONAL ENGINEER No. 9867-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠ Revised Presentation of RPM; Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

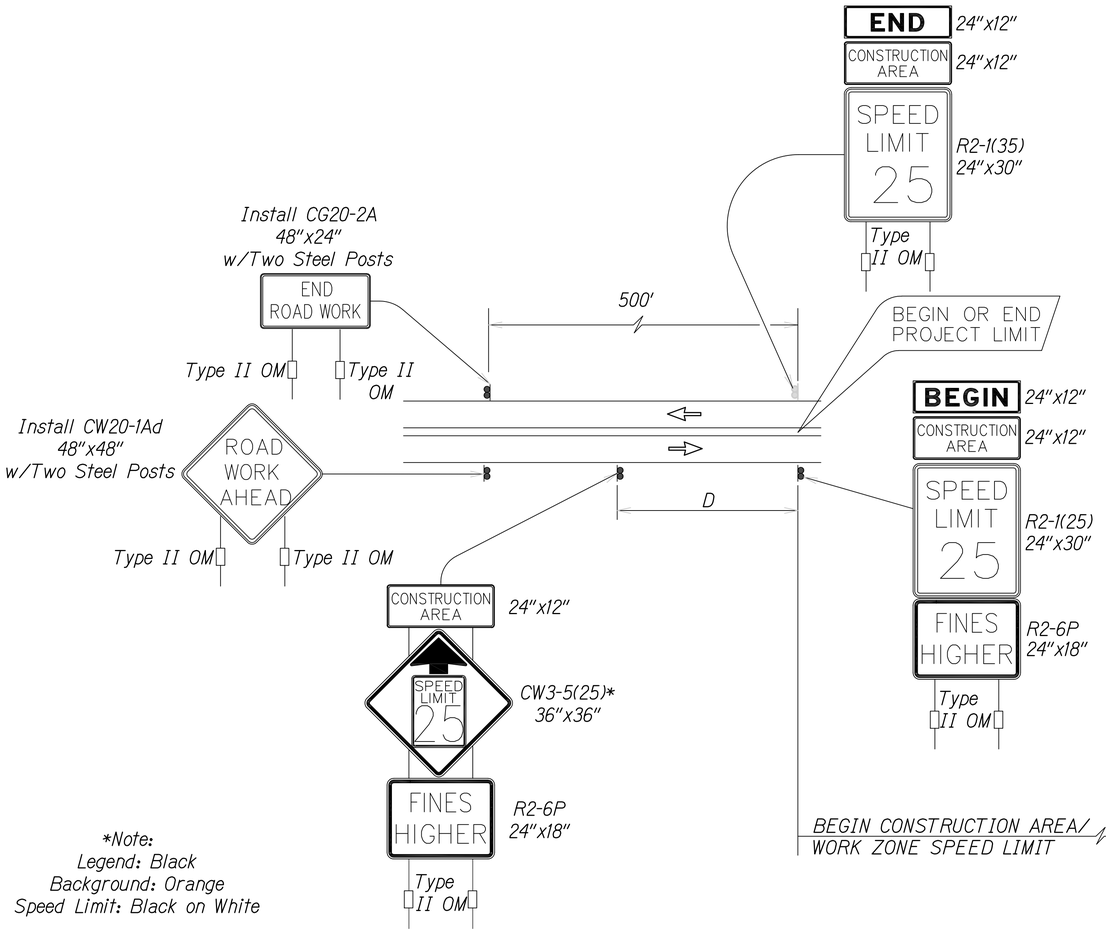
PAVEMENT MARKING & SIGNING PLAN

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 13 OF 13 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 69	127

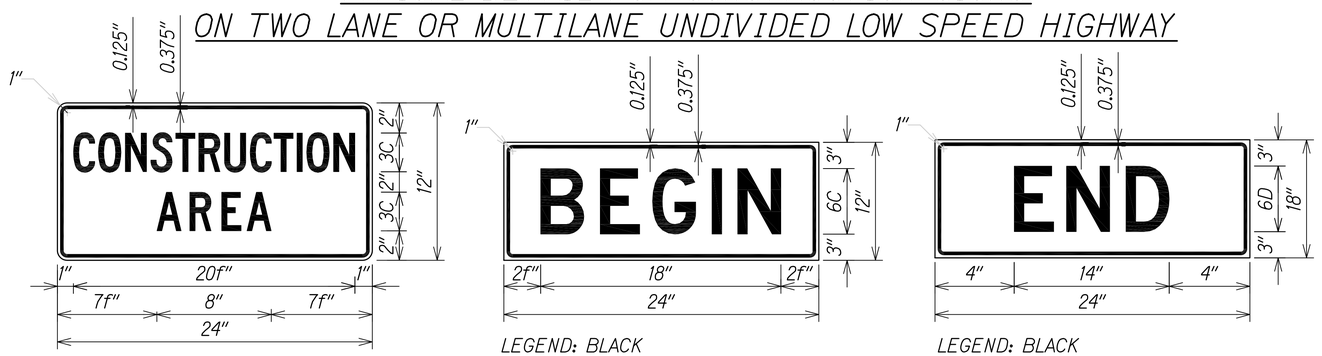


*Note:
Legend: Black
Background: Orange
Speed Limit: Black on White

WORK ZONE NOTES:

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

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



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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WORK ZONE SIGNING PLAN, NOTES AND DETAILS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

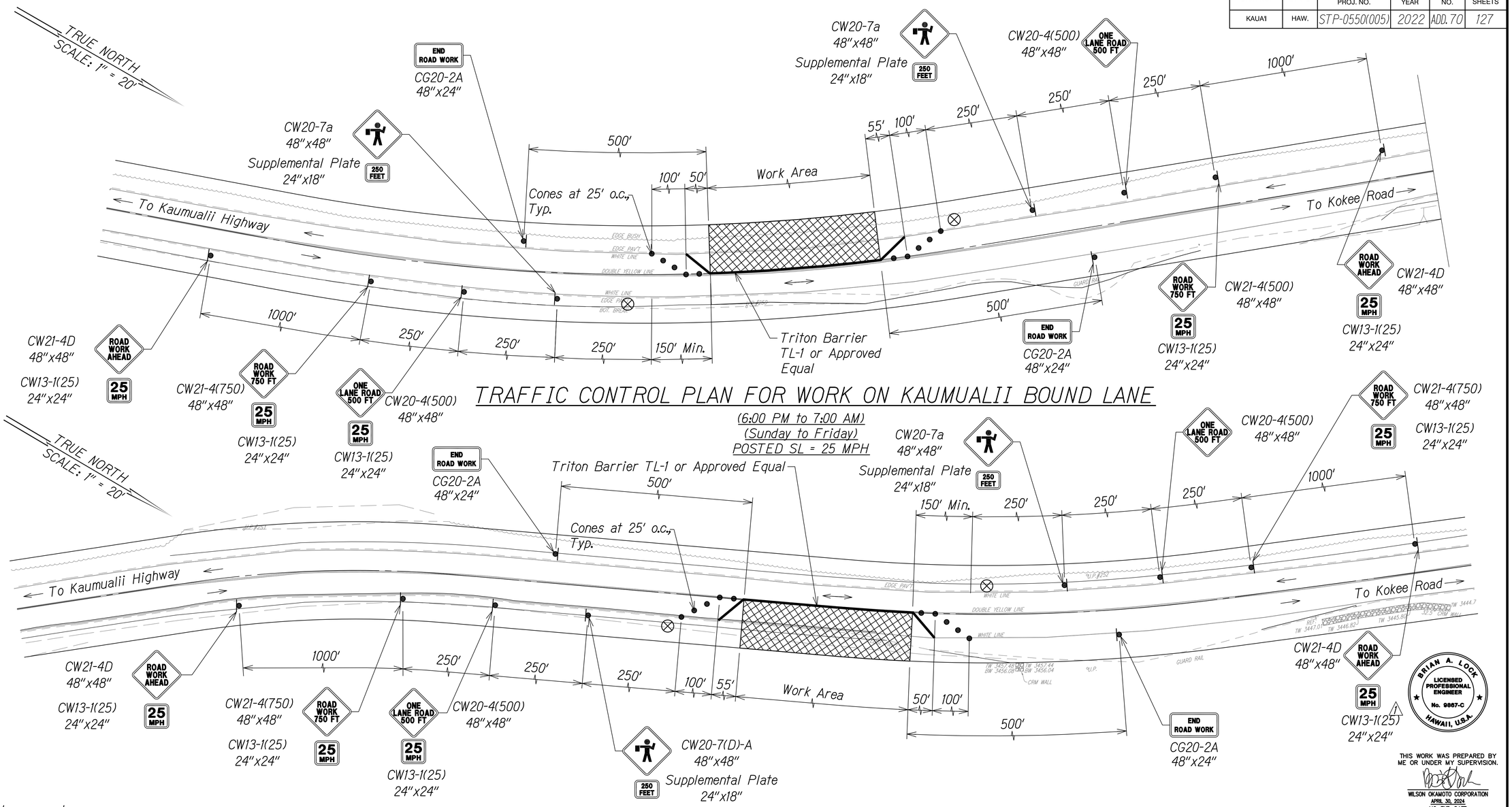
SHEET No. 1 OF 1 SHEETS

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

COPY OF ORIGINAL TRACING

ADD 69

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 70	127



TRAFFIC CONTROL PLAN FOR WORK ON KAUMUALII BOUND LANE

(6:00 PM to 7:00 AM)
(Sunday to Friday)
POSTED SL = 25 MPH

TRAFFIC CONTROL PLAN FOR WORK ON KOKEE BOUND LANE

(6:00 PM to 7:00 AM)
(Sunday to Friday)
POSTED SL = 25 MPH

Legend:

- Work Area
- Police Officer
- Triton Barrier TL-1 or Approved Equal
- Sign
- Direction of Traffic

NOTES:

1. One Lane Road (CW20-4) and Flagger Ahead (CW20-7) Signs Shall Be Removed Or Covered When No Work Is Being Performed And Lane Is Not Closed.

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

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
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HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN 1

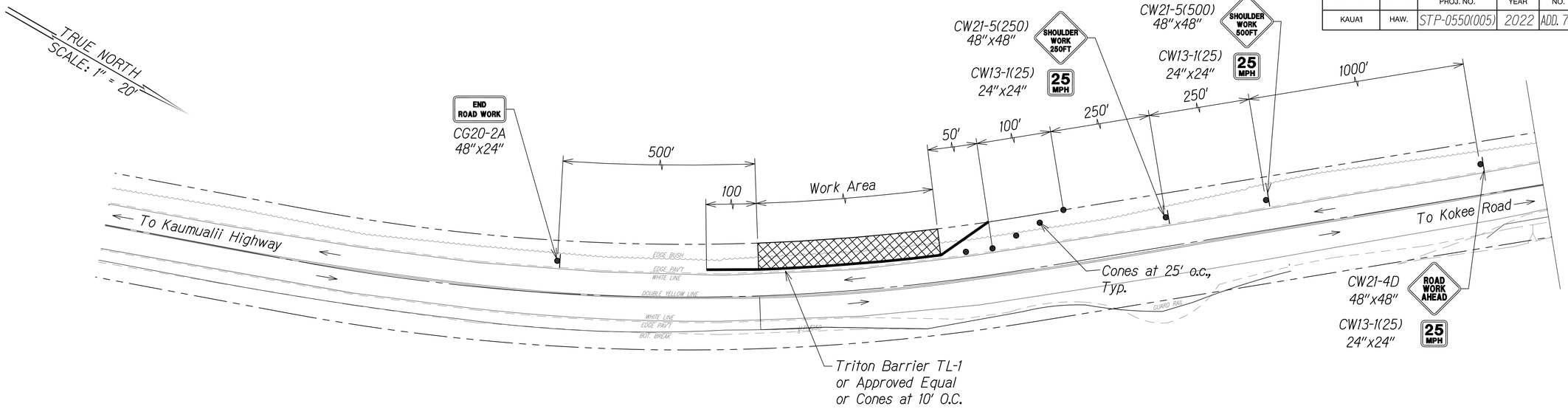
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 1 OF 2 SHEETS

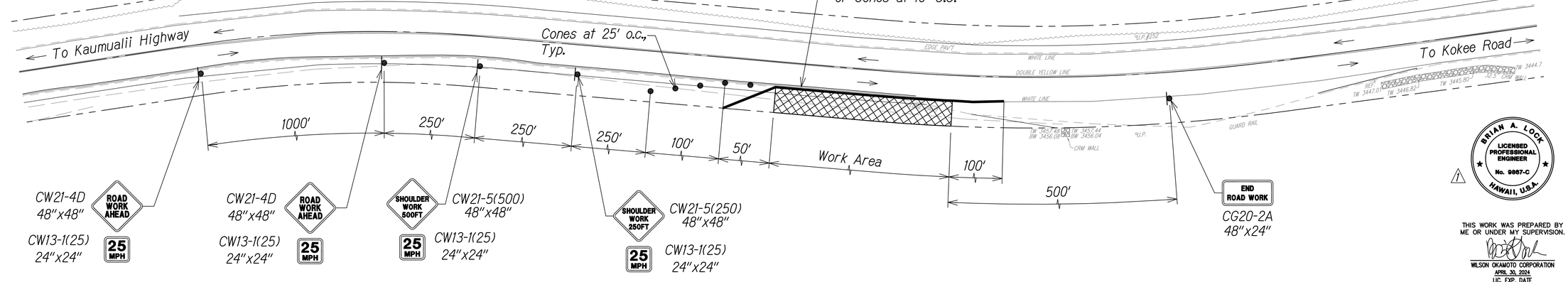
ADD 70

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 71	127



TRAFFIC CONTROL PLAN FOR SHOULDER WORK ON KAUMUALII BOUND LANE

POSTED SL = 25 MPH



TRAFFIC CONTROL PLAN FOR SHOULDER WORK ON KOKEE BOUND LANE

POSTED SL = 25 MPH

Legend:

- Work Area
- Triton Barrier TL-1 or Approved Equal
- Sign
- Direction of Traffic

NOTES:

1. Cones Or Delineators Shall Be Installed At 25' O.C. Max. On Tapers, 10' O.C. Max. along work area.
2. This plan may be used only if all road work, including equipment and workers are off the travel way.
3. Signing is not required if the work area including equipment and workers, is outside the clear zone distance, as specified in the latest AASHTO Roadside Design Guide.
4. Triton Barriers are required for work areas involving removal of existing guardrail.

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
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DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN 2

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 2 OF 2 SHEETS

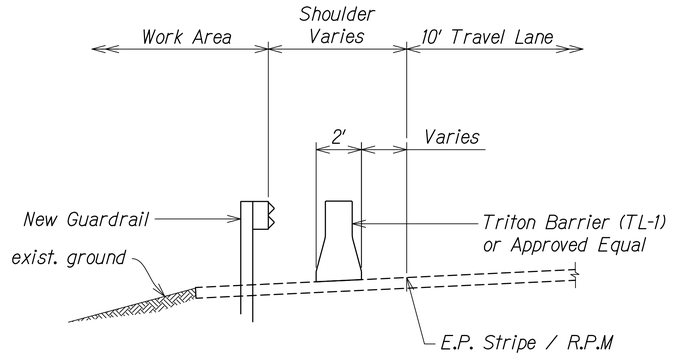
COPY OF ORIGINAL TRACING

ADD 71

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 72	127

NOTES:

1. Typical Layout will vary based on speed and manufacturer of system used. Installation shall conform to Manufacturer's recommendations.
2. Physical barriers shall be required whenever guardrails have been removed and will not be reinstalled at the end of the work day. See General Note No. 30 on Sht. 3.
3. Physical barriers shall be Triton (TL-1) Barriers or Approved Equal.
4. Furnishing and installing reflector markers (RM-3) over the portable barriers shall be considered incidental to the various contract items.



TRITON BARRIER (TL-1)

Not to Scale

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
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APRIL 30, 2024
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DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRITON BARRIER DETAILS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

SHEET No. 1 OF 1 SHEETS

COPY OF ORIGINAL TRACING

ADD 72

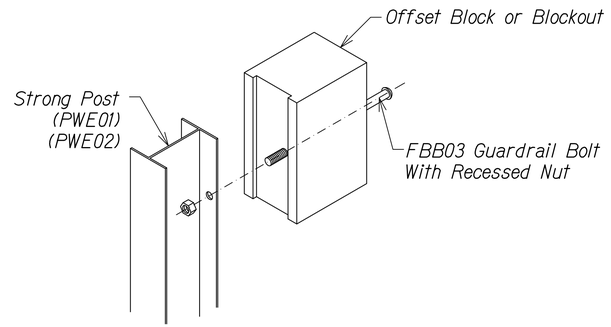
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 73	127

GENERAL NOTES

1. All hardware, posts and fasteners shall be hot-dip zinc coated galvanized after fabrication. No punching, drilling or cutting will be permitted after galvanizing.
2. Where conditions require, special post lengths in increments of 6 inches may be specified.
3. All fasteners, posts, and rail elements (i.e. FBB03, PWE01, RWM04b, etc.) shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware", a report prepared and approved by the AASHTO-AGC-ARTBA Joint Cooperative Committee, Subcommittee On New Highway Materials, Task Force 13 Report. Dimensions of fastners, posts and rail elements have been converted from metric units into their present form.
4. The Blockout or Offset Block shall be approved by the State.
5. All new guardrail systems (system consists of total length of guardrail including both end treatments) shall include the Additional Paved Area.
6. After the guardrail posts are installed in the paved area, the Contractor shall fill/seal around each guardrail post and all cracks in the paved area caused during the guardrail post installation. If required by the inspector/engineer, the Contractor shall tamper the paved area around the guardrail post prior to filling/sealing. All costs associated with this work shall not be paid for separately, but shall be considered incidental to the various guardrail items.
7. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
8. Minimum working width (clear distance) between back of MGS post to any fixed object is 4'-1" (49").
9. New Hot Mix Asphalt (HMA) pavement at guardrails shall extend 6 feet longitudinally beyond terminal ends.
10. Reflector Markers (RM-5) mounted on guardrails shall be spaced every 25 feet. RM-5's shall not be installed on Terminal Sections. Furnishing and installing of each RM-5 shall be considered incidental to the guardrail system.

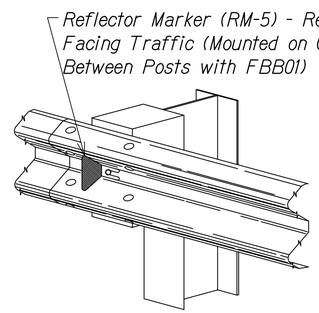
GUARDRAIL TYPE	DIMENSION	
	H	A
MGS w/ Standard 8" Offset Block	2'-1"	1'-6"
MGS w/ No Blockout	2'-7⅛"	9 ¼"

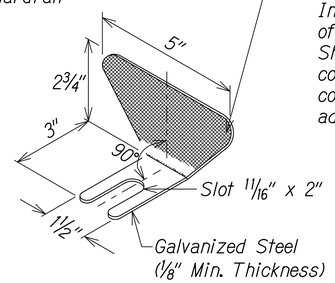
11. Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).



Exploded View
(Rail and Washer Not Shown)

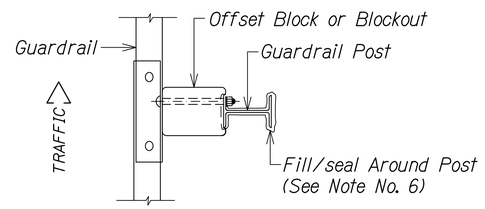
STEEL POST AND BLOCK DETAIL



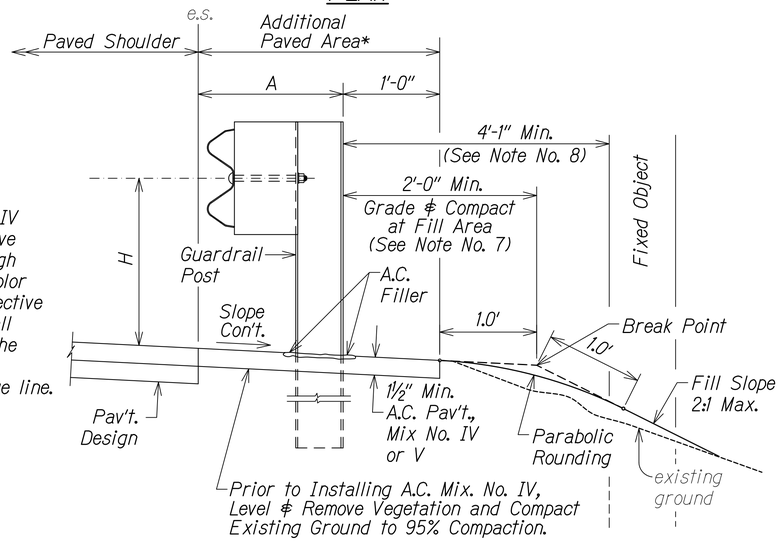


Type III or IV Retroreflective Sheeting (High Intensity); Color of Retroreflective Sheeting shall conform to the color of the adjacent edge line.

REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION



PLAN



ELEVATION

TYPICAL GUARDRAIL INSTALLATION

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No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL DETAILS AND NOTES

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 1 OF 6 SHEETS

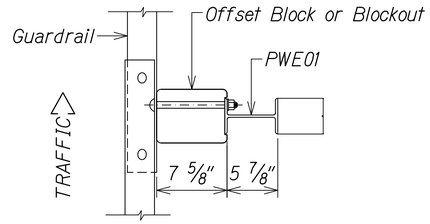
DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

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

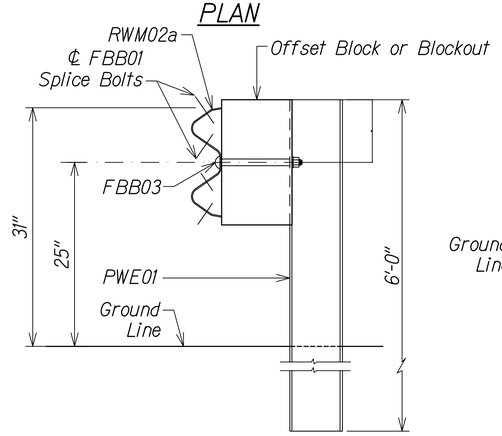
COPY OF ORIGINAL TRACING

ADD 73

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 74	127

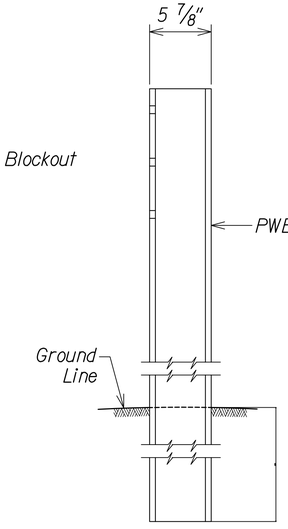


PLAN

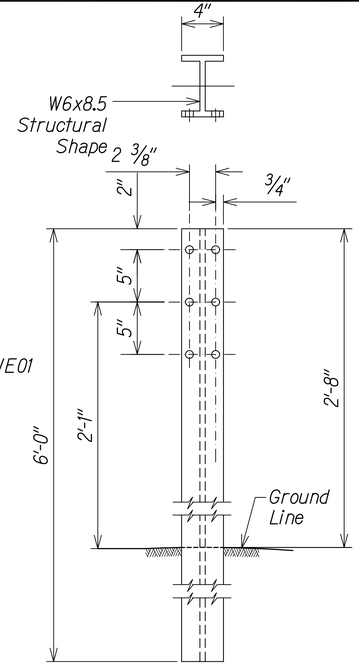


SECTION A-A

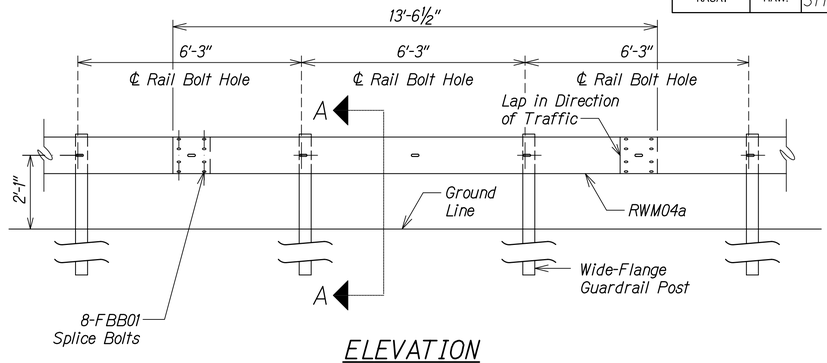
NOTE:
All Holes are
¾" Dia.



SIDE

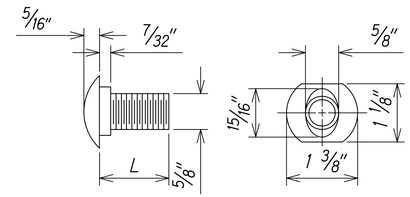


FRONT

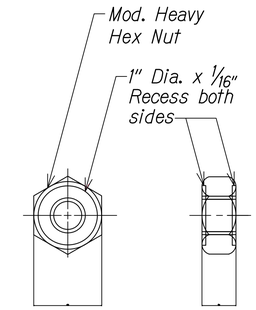


ELEVATION

MIDWEST GUARDRAIL SYSTEM WITH STANDARD 8" OFFSET BLOCK (SGR47)



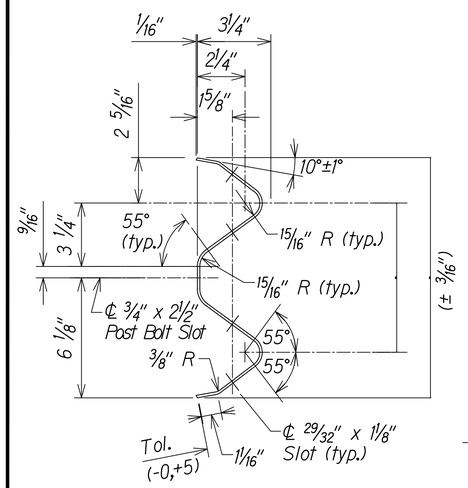
DESIGNATOR	L
FBB01	1 3/8"
FBB02	2"
FBB03	10"

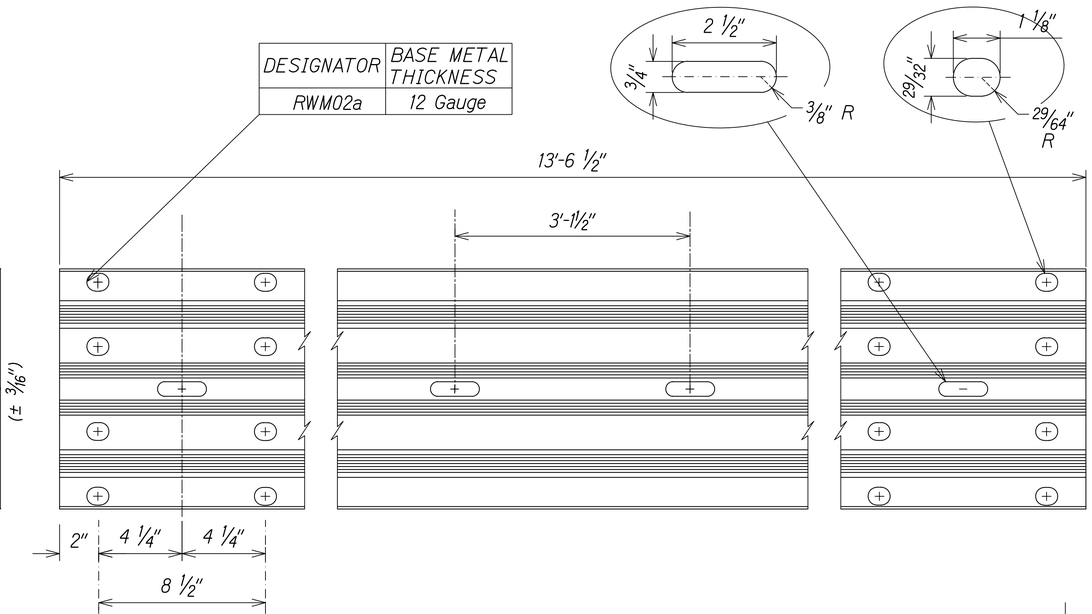


GUARDRAIL BOLTS AND RECESSED NUT

W-BEAM STRONG POST (PWE01)

DESIGNATOR	BASE METAL THICKNESS
RWM02a	12 Gauge





4 SPACE W-BEAM GUARDRAIL (RWM04a)

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BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

31" W-BEAM GUARDRAIL WITH STANDARD 8" OFFSET BLOCK

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

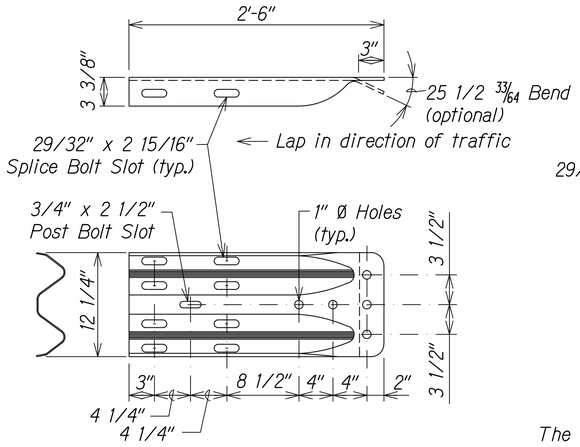
SHEET No. 2 OF 6 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 74

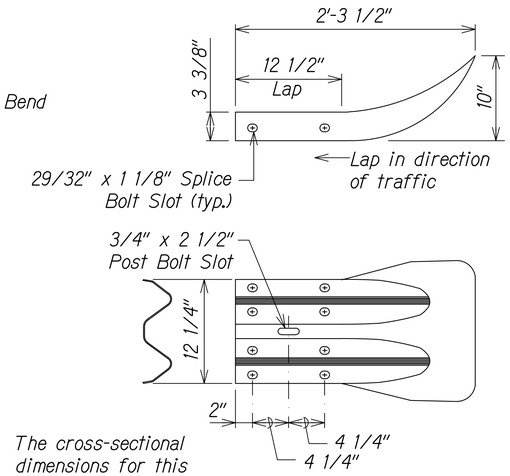
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 75	127



The cross-sectional dimensions for this part are to fit over part RWM02a on the approach end and under part RWM02a on the trailing end.

DESIGNATOR	BASE METAL THICKNESS
RWE02b	10 Gauge

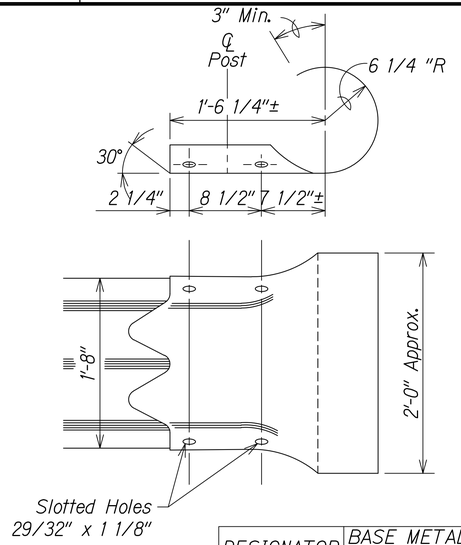
W-BEAM TERMINAL CONNECTOR (RWE02b)



The cross-sectional dimensions for this part are to fit over part RWM02a on the approach end and under part RWM02a on the trailing end.

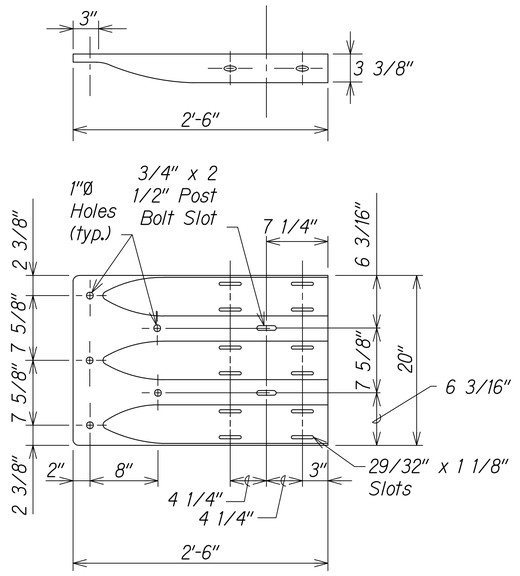
DESIGNATOR	BASE METAL THICKNESS
RWE01a	12 Gauge

W-BEAM END SECTION (FLARED RWE01a)



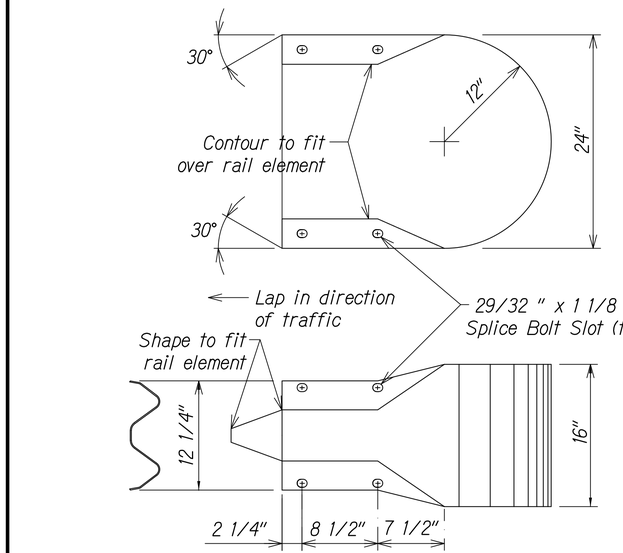
DESIGNATOR	BASE METAL THICKNESS
RWE02b	10 Gauge

THRIE-BEAM SECTION (ROUNDED) (RTE02b)



DESIGNATOR	BASE METAL THICKNESS
RTE01b	10 Gauge

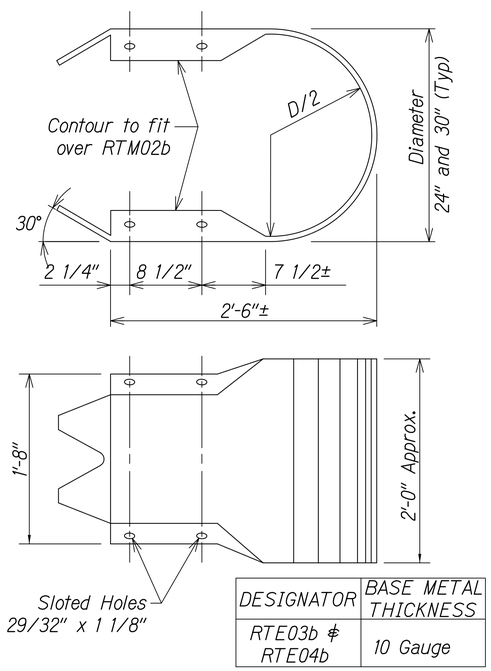
THRIE-BEAM TERMINAL CONNECTOR (RTE01b)



The cross-sectional dimensions for this part are to fit over part RWM02a

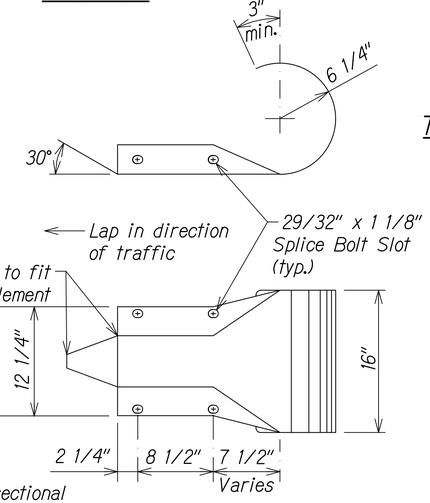
DESIGNATOR	BASE METAL THICKNESS
RWE06a	12 Gauge

W-BEAM END SECTION (BUFFER RWE06a)



DESIGNATOR	BASE METAL THICKNESS
RTE03b & RTE04b	10 Gauge

THRIE-BEAM END SECTION (BUFFER RTE03b or RTE04b)



The cross-sectional dimensions for this part are to fit over part RWM02a

DESIGNATOR	BASE METAL THICKNESS
RWE03a	12 Gauge

W-BEAM END SECTION (ROUNDED RWE03a)

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL TERMINAL CONNECTORS AND END SECTIONS

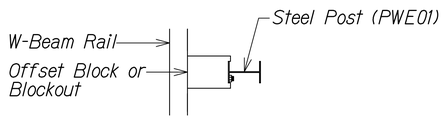
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

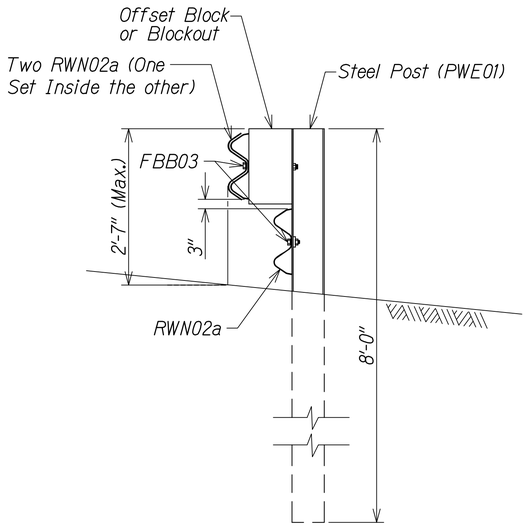
SHEET No. 3 OF 6 SHEETS

DATE	REVISION
11/07/22	⚠ Revised Engineer's Stamp

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 76	127

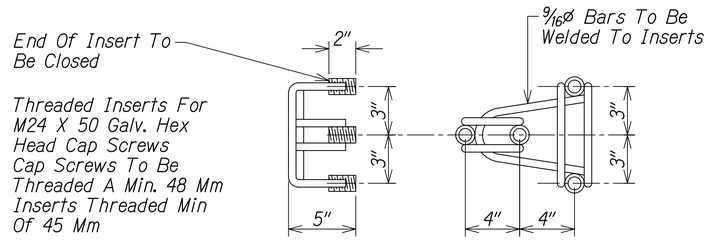


Plan

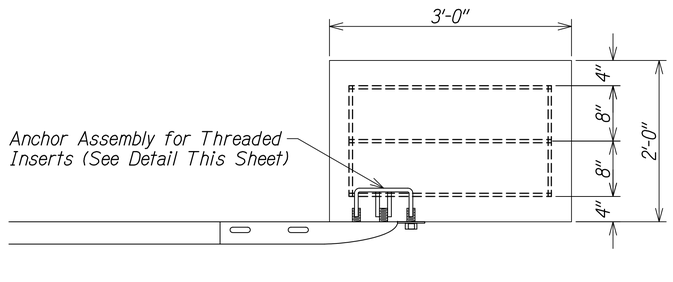


Elevation

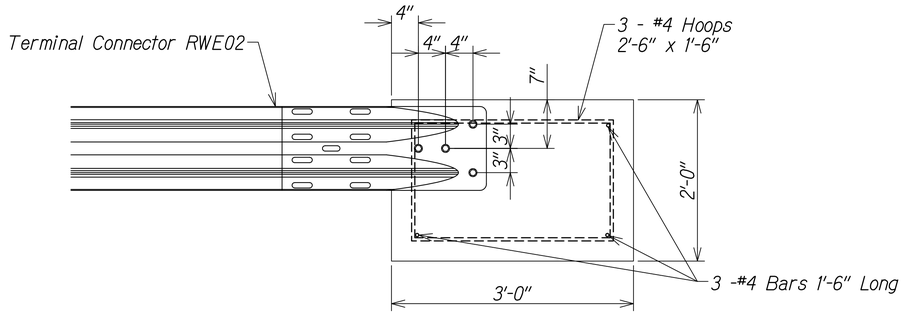
DOUBLE NESTED STEEL POST GUARDRAIL WITH RUBRAIL



ANCHOR ASSEMBLY CONCRETE BLOCK ANCHOR



Plan



Elevation

CONCRETE BLOCK ANCHOR (2' X 2' X 3')

BACKSLOPE ANCHOR TERMINAL END ANCHORAGE DETAILS TYPE "A" FLARE)

Note:

All fasteners, posts, blocks and rail elements shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware," a report prepared and approved by the AASHTO-AGCARTBA Joint Cooperative Committee.

BRIAN A. LOCK LICENSED PROFESSIONAL ENGINEER No. 9867-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL DETAILS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

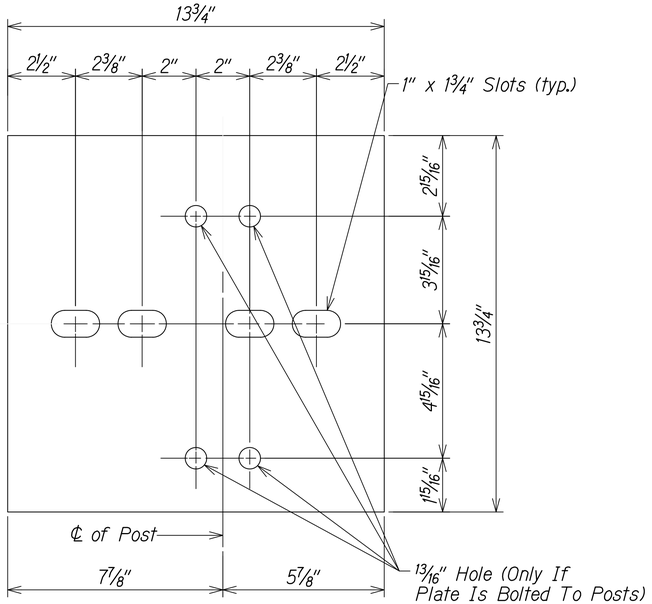
SHEET No. 4 OF 6 SHEETS

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

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

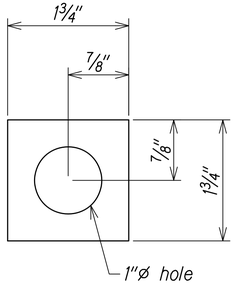
ADD 76

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.77	127



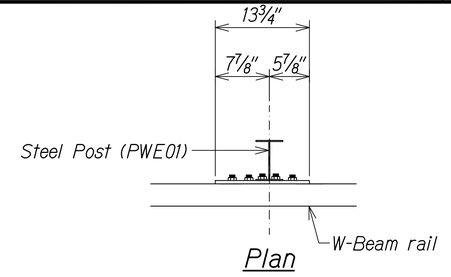
Steel Plate - ½"

(Hot-dip Zinc Coated Galvanized Welded or Bolted to Post)

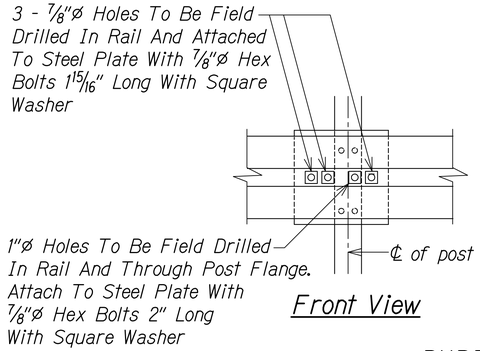


Square Washer

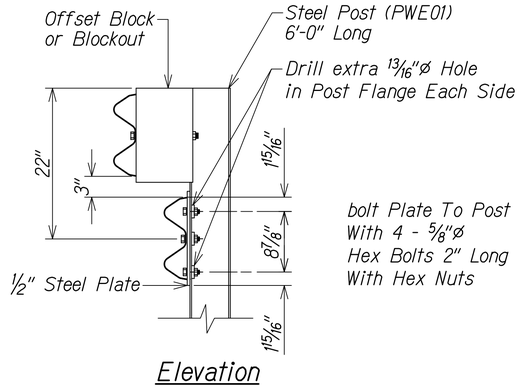
(3⁄16" Thick - Hot-dip Zinc Coated Galvanized)



Plan

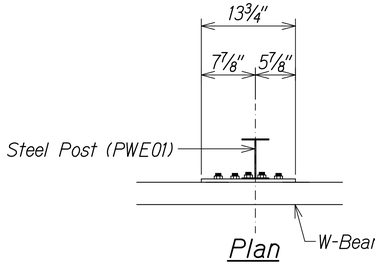


Front View

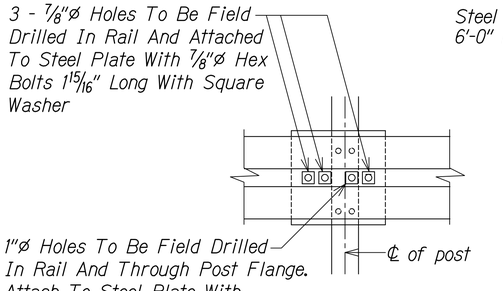


Elevation

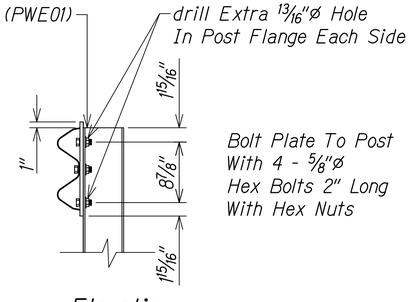
RUBRAIL ANCHOR DETAILS



Plan



Front View



Elevation

POST ANCHOR DETAILS

BACKSLOPE ANCHOR TERMINAL END ANCHORAGE DETAILS TYPE "A" FLARE)

Note:

All fasteners, posts, blocks and rail elements shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware," a report prepared and approved by the AASHTO-AGCARTBA Joint Cooperative Committee.

BRIAN A. LOCK LICENSED PROFESSIONAL ENGINEER No. 9867-C HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL DETAILS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 5 OF 6 SHEETS

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

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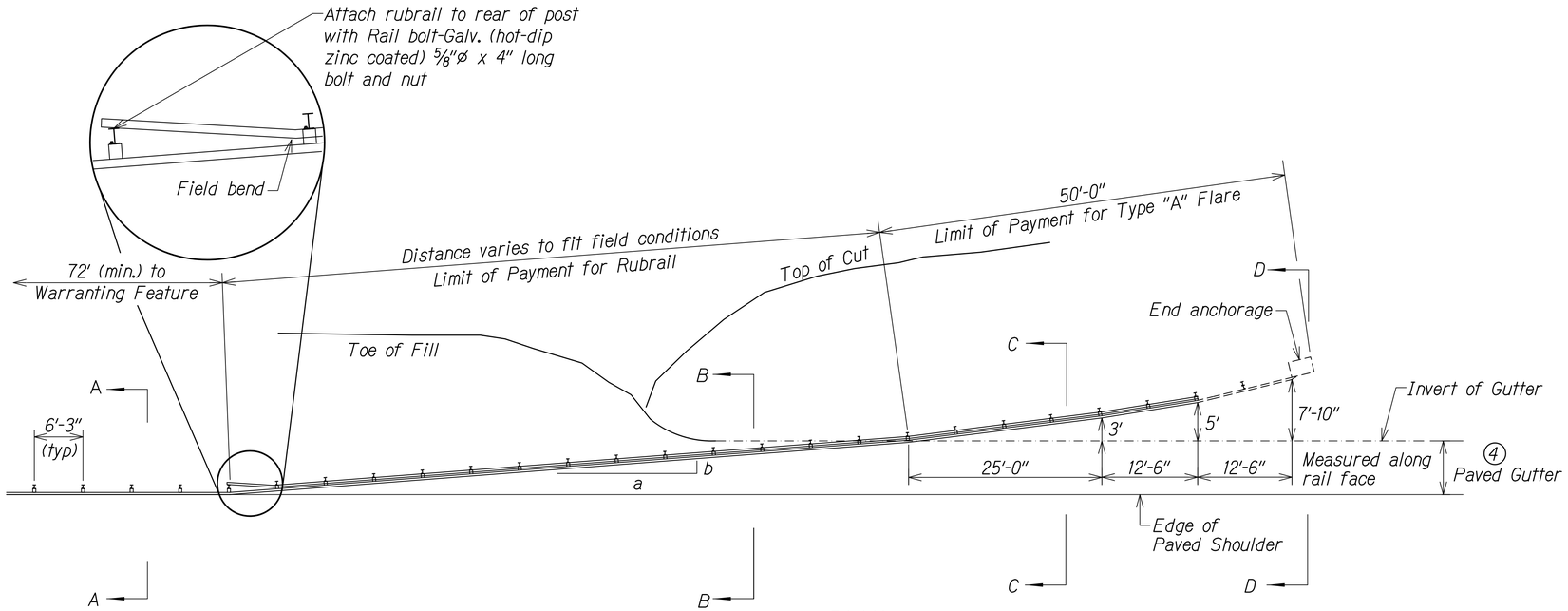
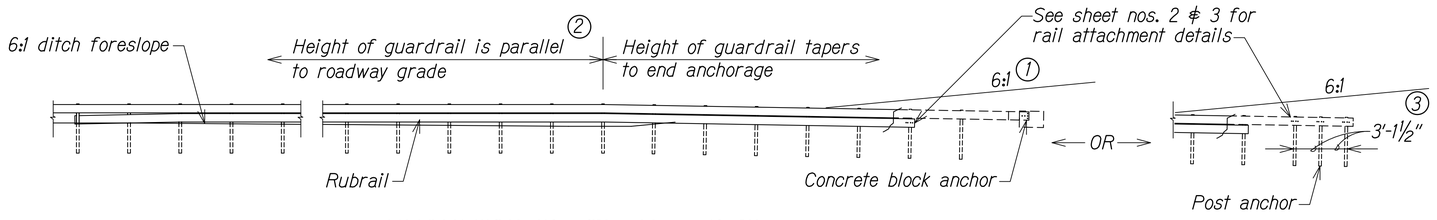
ADD 77

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 78	127

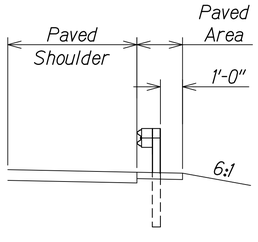


PLAN

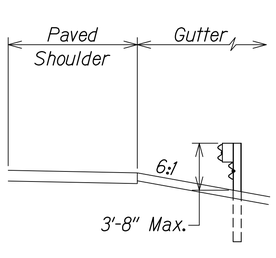
Design speed mph	a:b
68	15:1
62	13:1
56	12:1
50	11:1
43	10:1
37	9:1
31	7:1



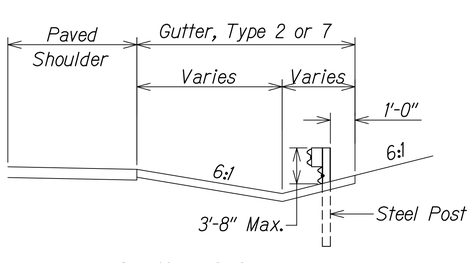
ELEVATION (Profile Along Rail)



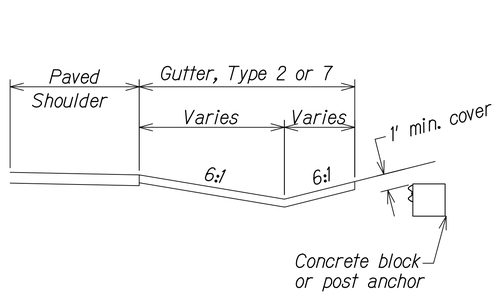
Section A-A



Section B-B
(With Rubrail)



Section C-C
(With Rubrail)



BACKSLOPE ANCHOR TERMINAL (WITH 6:1 PAVED GUTTER AND TYPE "A" FLARE)

General Notes

1. A 6:1 or flatter slope is desireable. However, a steeper or flatter existing slope may be used.
2. Height of guardrail may be tapered down in elevation to maintain 3'-8" maximum height.
3. All posts are 8'-0" in length from where the guardrail flares away from the shoulder back to the post anchor. Posts for the post anchor are 6'-0" long.
4. Variable Paved Gutter offsets may be used to fit field conditions.
5. The Guardrail Posts shall be located away from the gutter/swale invert.
6. All fasteners, posts, blocks and rail elements shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware," a report prepared and approved by the AASHTO-AGCARTBA Joint Cooperative Committee.

BRIAN A. LOCK LICENSED PROFESSIONAL ENGINEER No. 9867-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL DETAILS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: None Date: August 2022

SHEET No. 6 OF 6 SHEETS

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

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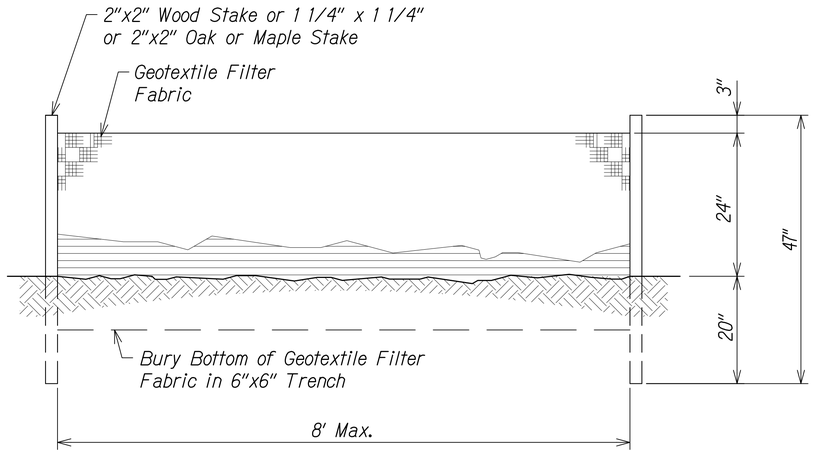
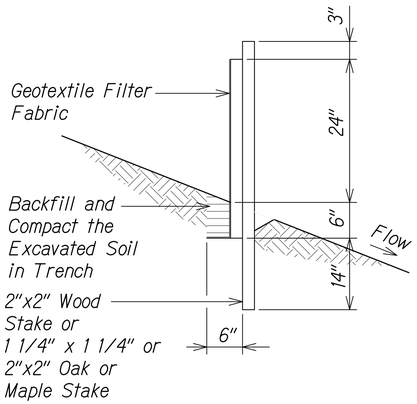
ADD 78

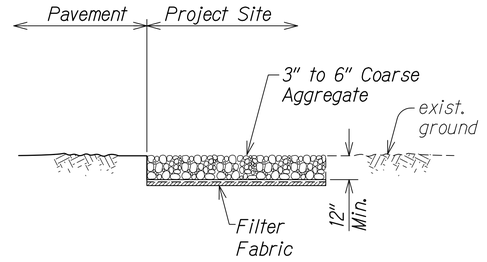
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 79	127





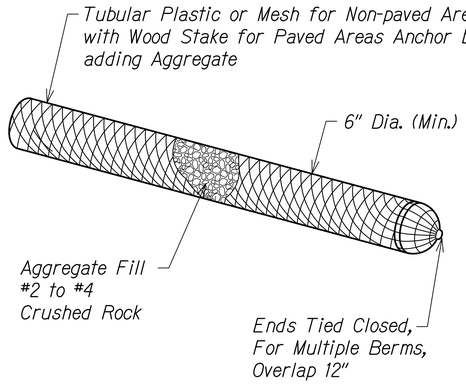
SILT FENCE DETAIL

Not to Scale



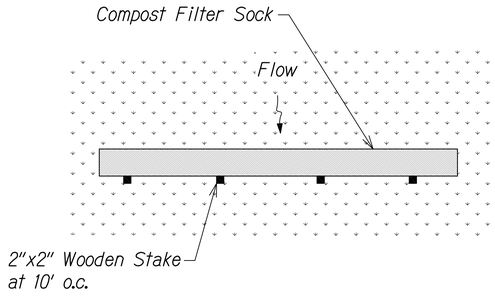
TEMPORARY STABILIZED CONSTRUCTION INGRESS/EGRESS

Not to Scale

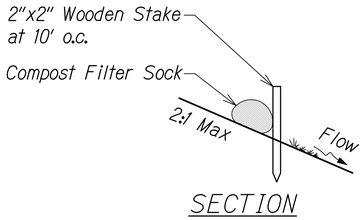


AGGREGATE FILTER BAG

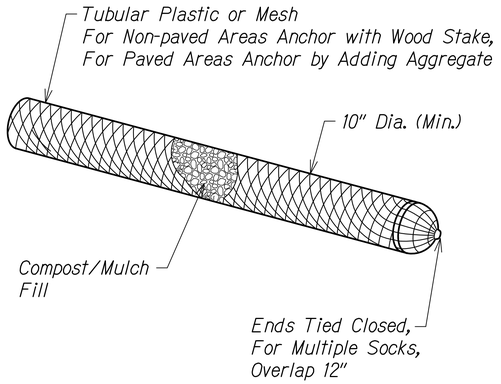
Not to Scale



PLAN

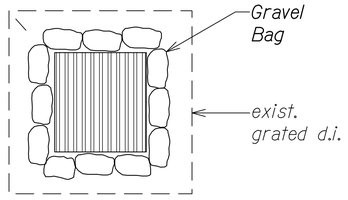


SECTION

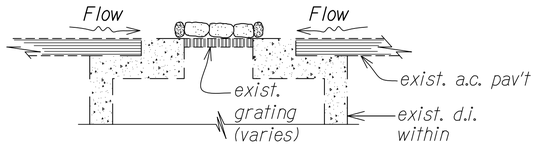


COMPOST FILTER SOCK

Not to Scale



PLAN VIEW



SECTION

SAND OR GRAVEL BAGS AT GRATED DRAIN INLET

Not to Scale

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL DETAILS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 20' Date: August 2022

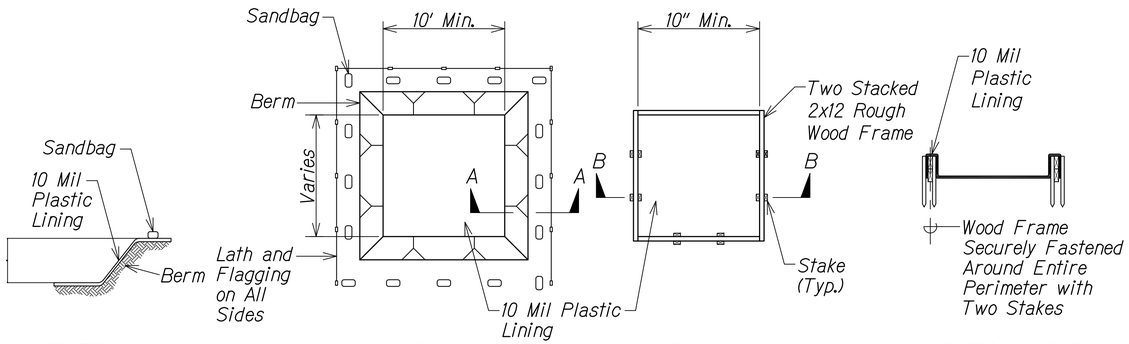
SHEET No. 1 OF 2 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 79

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 80	127



SECTION A-A PLAN PLAN SECTION B-B

Notes:
1. Actual layout determined in field.
2. The concrete washout sign shall be installed within 30 feet of the temporary concrete washout facility.

CONCRETE VEHICLE WASH AREA (BELOW GRADE)

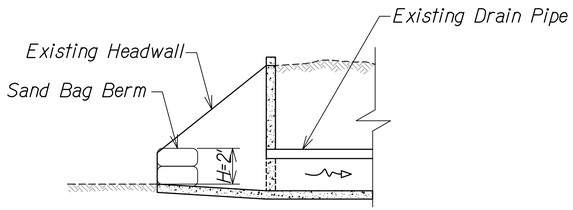
Notes:
1. Actual layout determined in field.
2. The concrete washout sign shall be installed within 30 feet of the temporary concrete washout facility.

CONCRETE VEHICLE WASH AREA (ABOVE GRADE)

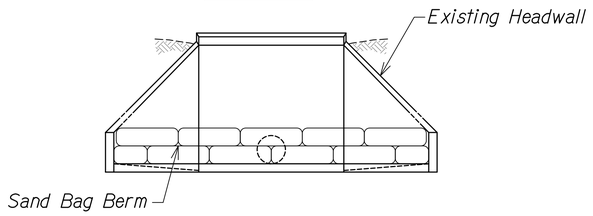
WASHDOWN BASIN DETAIL

Not to Scale

Notes:
1. Dust screen barrier to be "geotextile" or "nursery shade".
2. Burlap is not acceptable as the dust screen barrier.
3. Cloth to have no horizontal seams.
4. Vertical seams to be made over uprights only.
5. All joints to be securely fastened by mechanical means.



SECTION



ELEVATION

DRAIN PROTECTION AT CULVERT

Not to Scale

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

BRIAN A. LOCK LICENSED PROFESSIONAL ENGINEER No. 9867-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL DETAILS

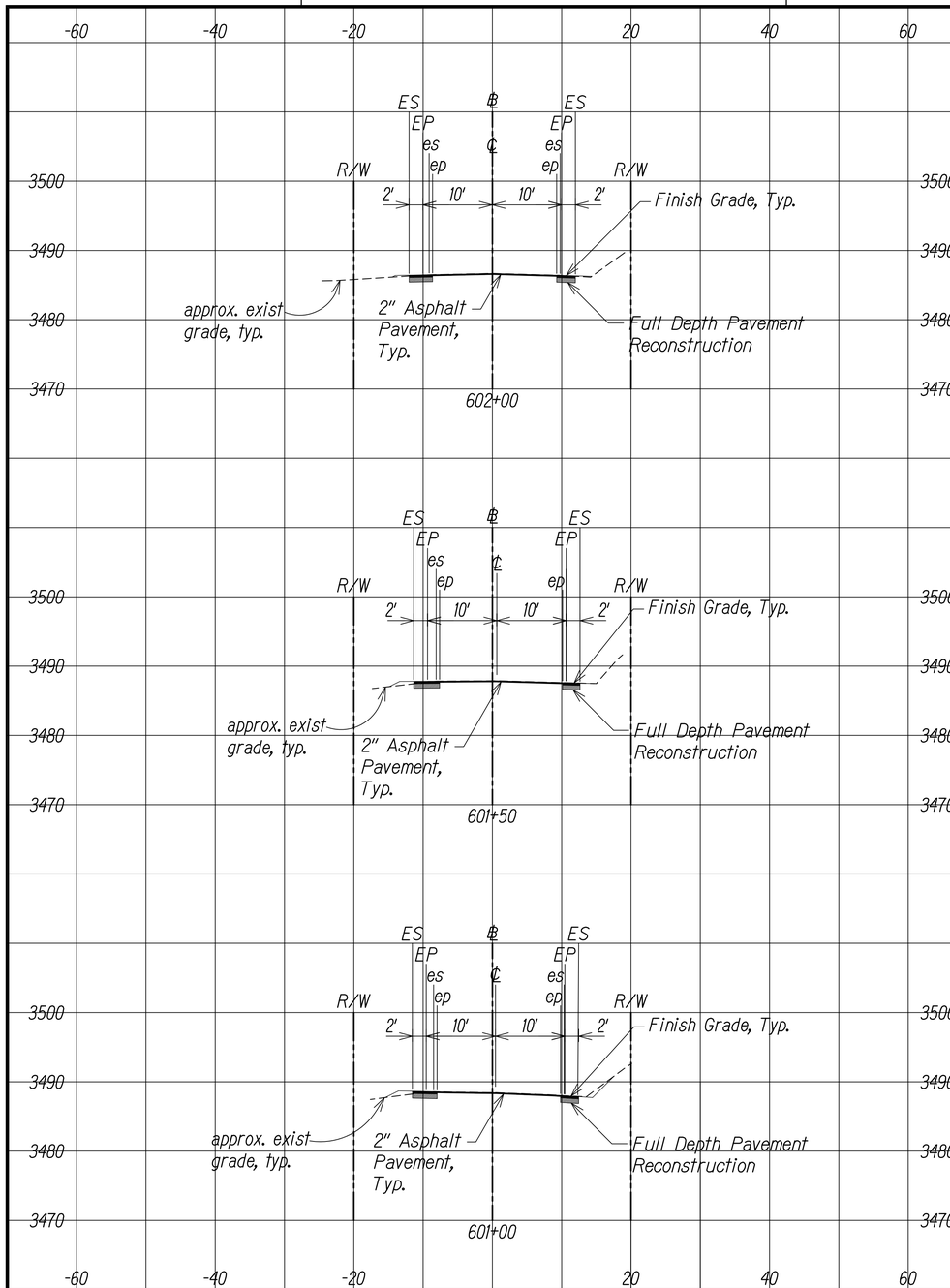
WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

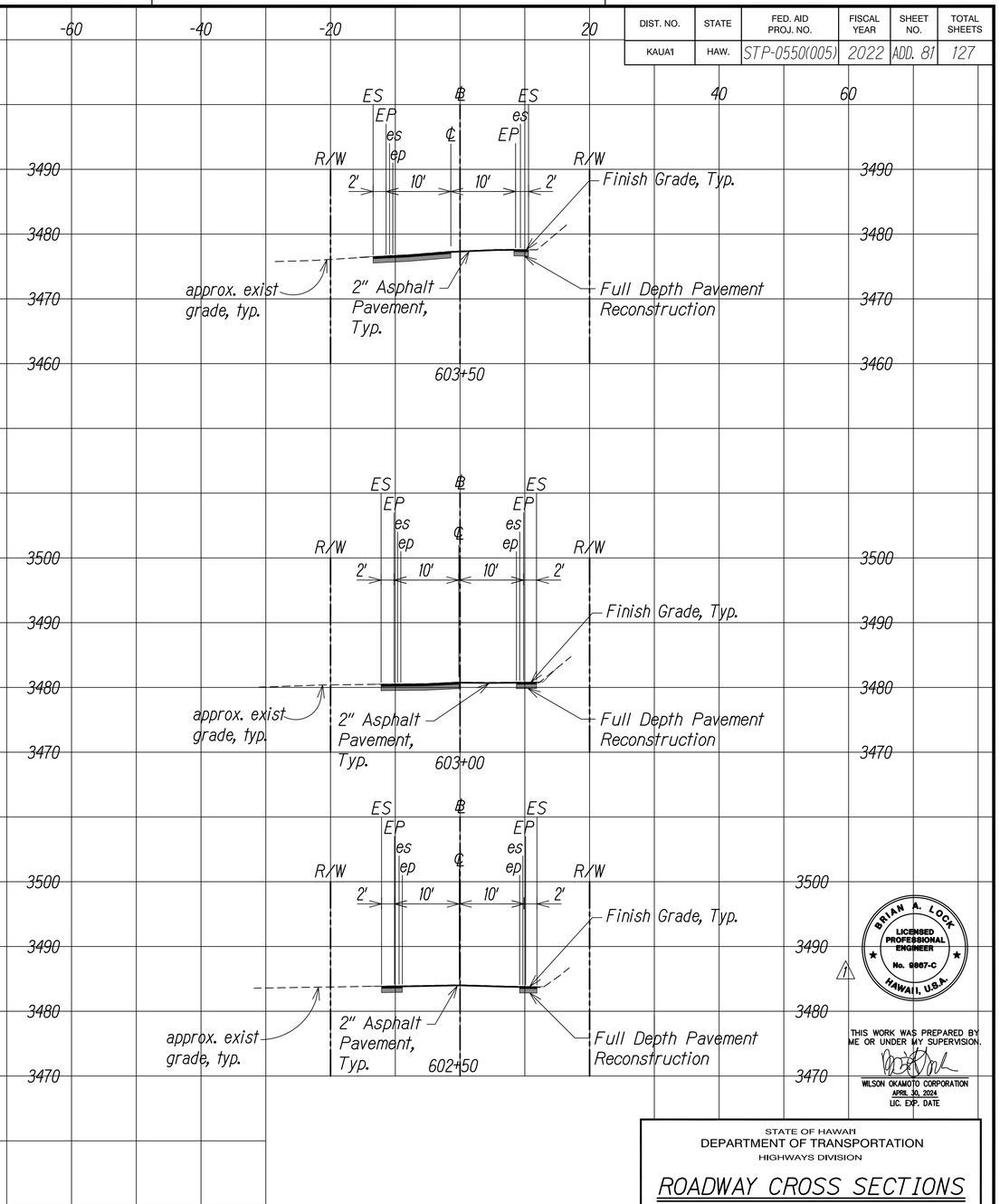
Scale: 1" = 20' Date: August 2022

SHEET No. 2 OF 2 SHEETS

ADD 80

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 81	127





GRAPHIC SCALE
10' 5' 0 10' 20'
SCALE: 1" = 10'

KOKEE ROAD
Scale: 1" = 10'

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

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

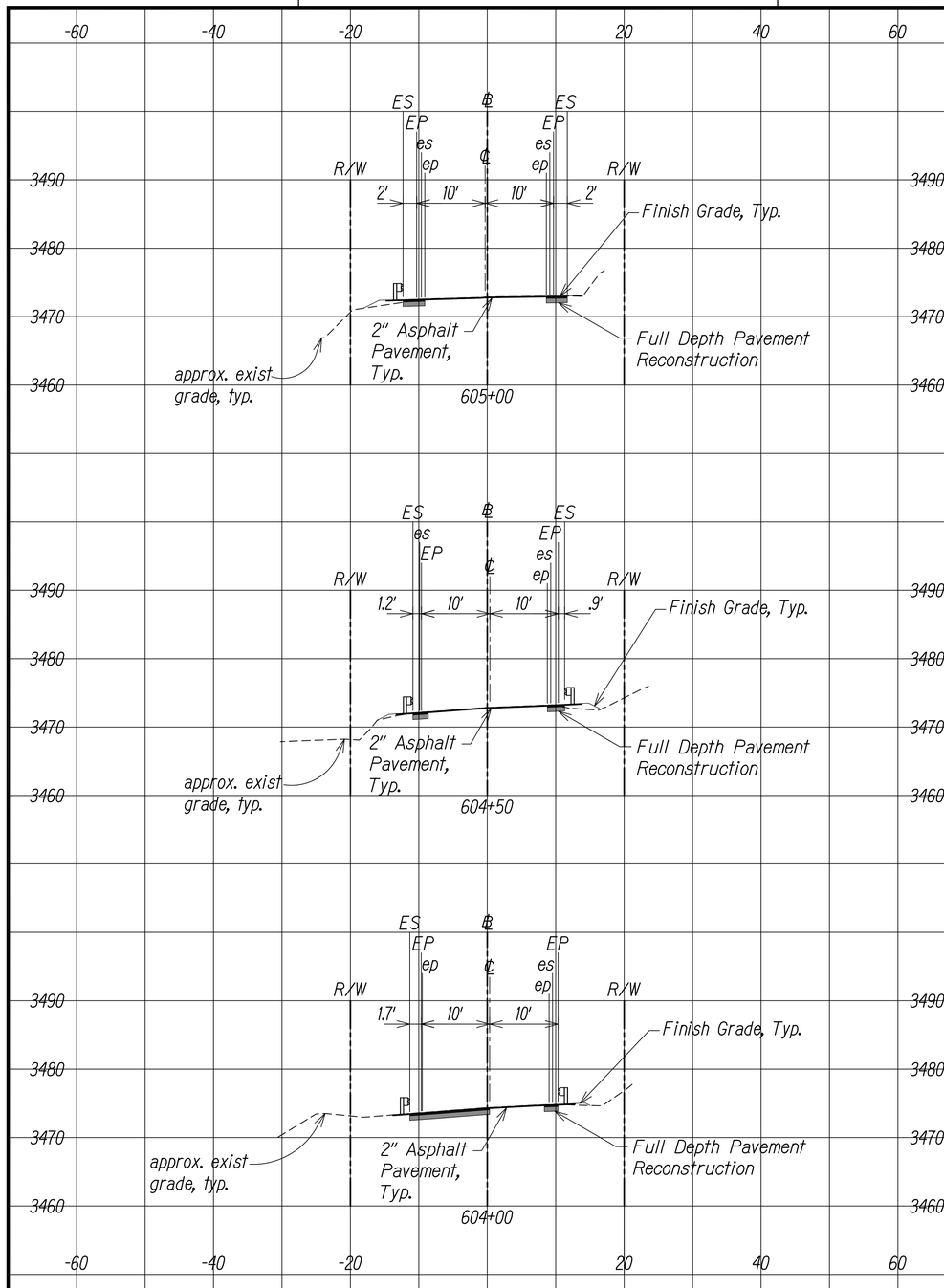
Scale: 1" = 10' Date: August 2022

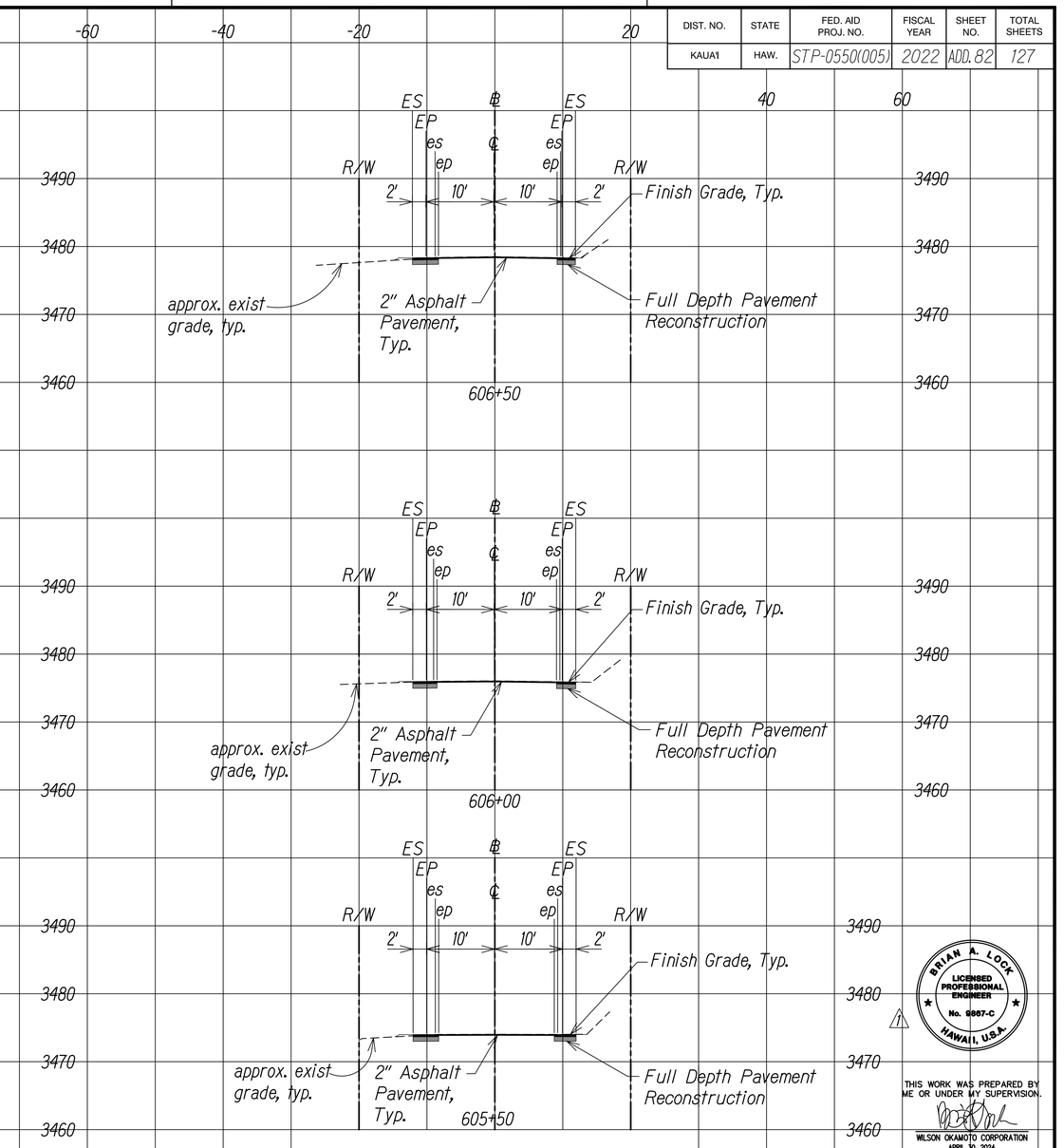
SHEET No. 1 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 81

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 82	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

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

ORIGINAL PLAN
NOTE BOOK
No.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

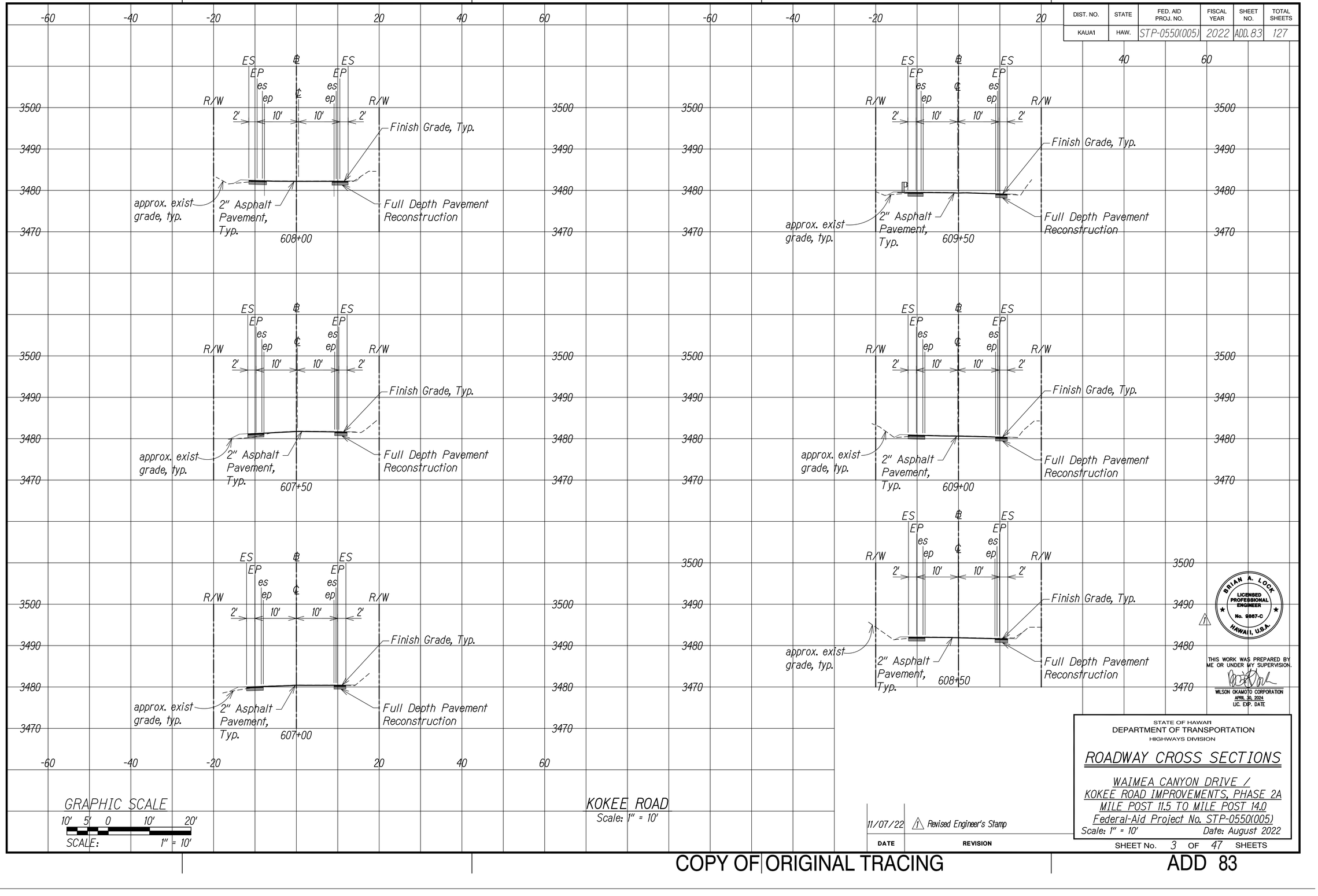
Scale: 1" = 10' Date: August 2022

SHEET No. 2 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 82

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 83	127



GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

ORIGINAL PLAN

NOTE BOOK No.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

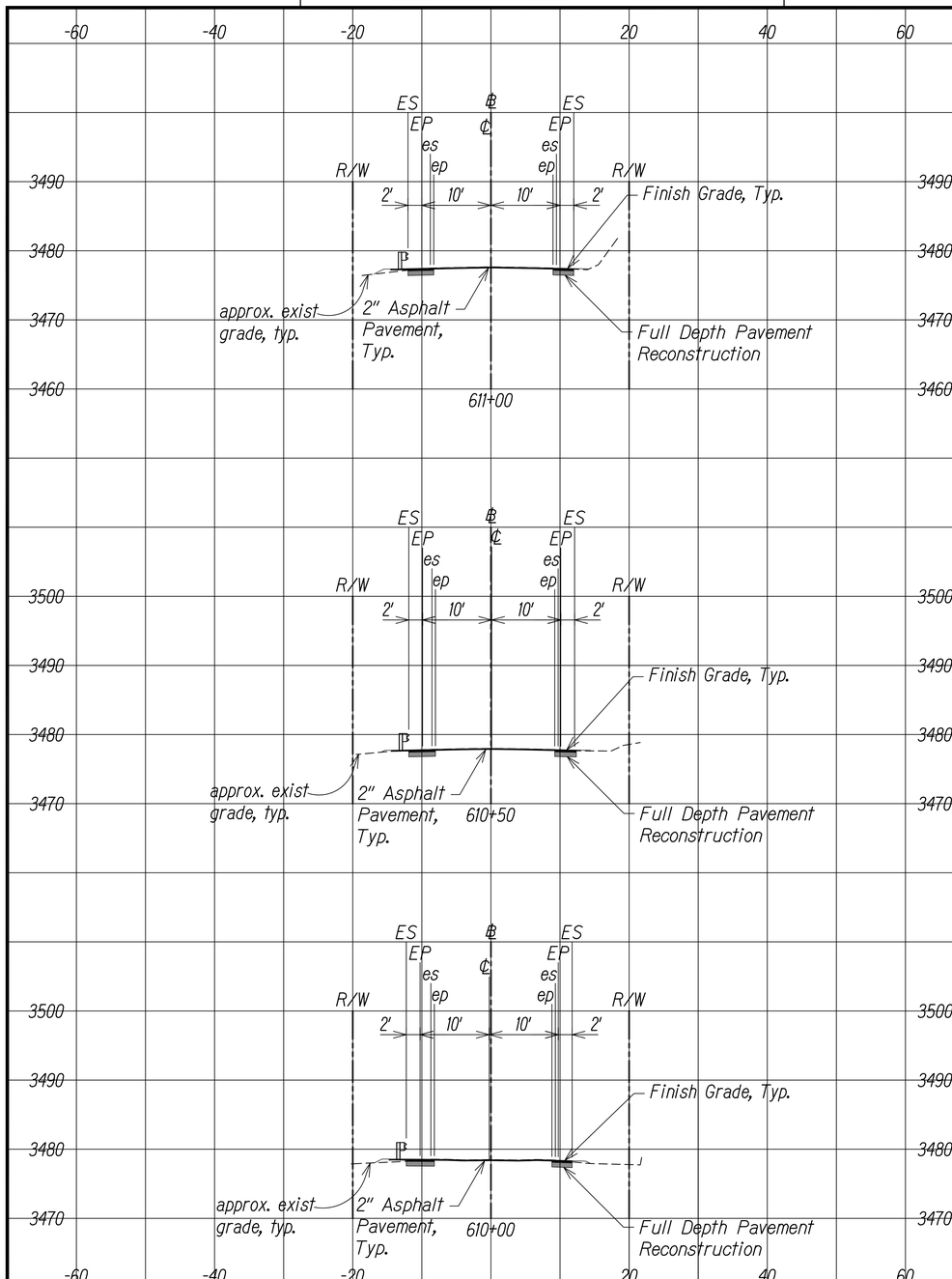
DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

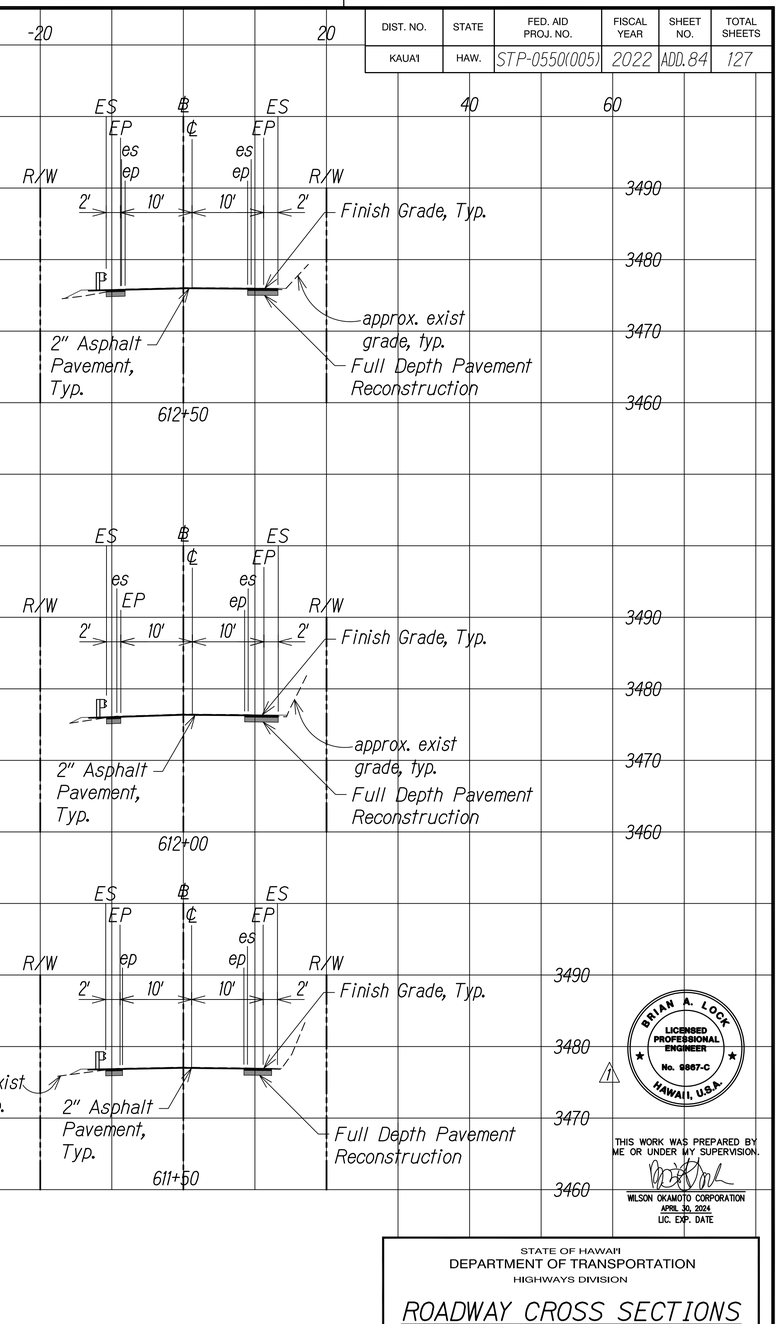
SHEET No. 3 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 83

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 84	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

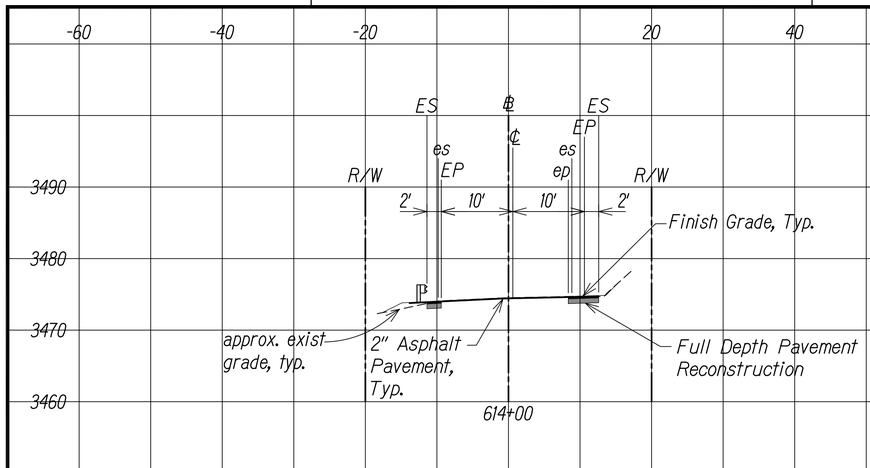
SHEET No. 4 OF 47 SHEETS

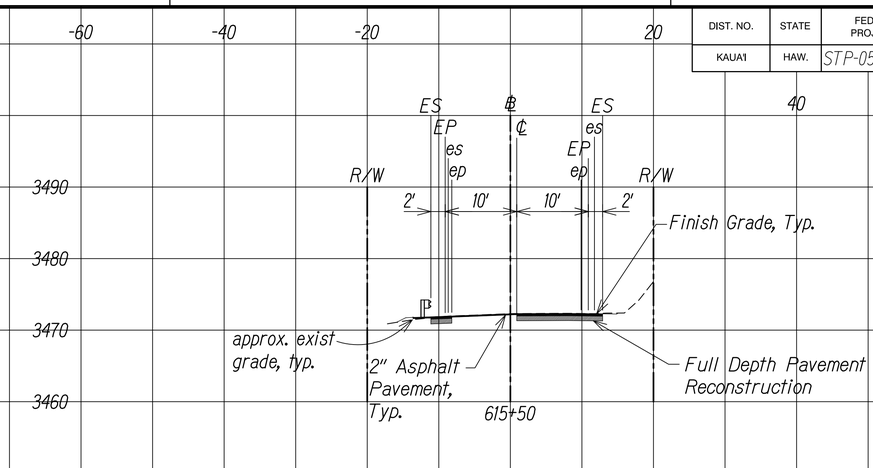
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

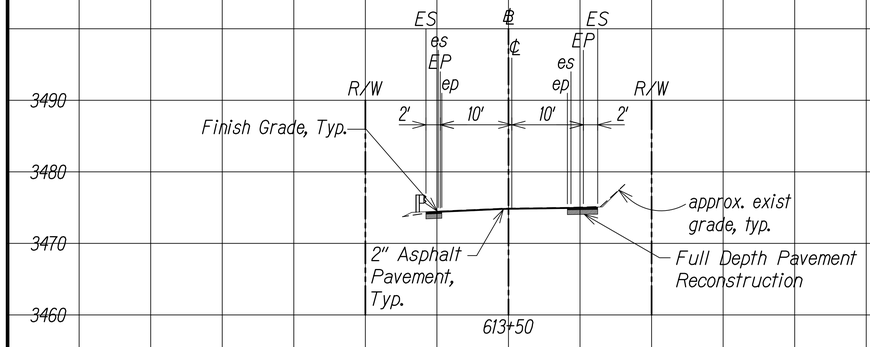
COPY OF ORIGINAL TRACING

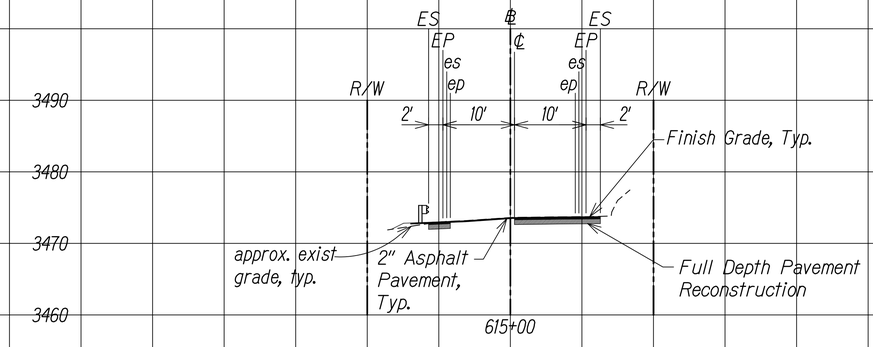
ADD 84

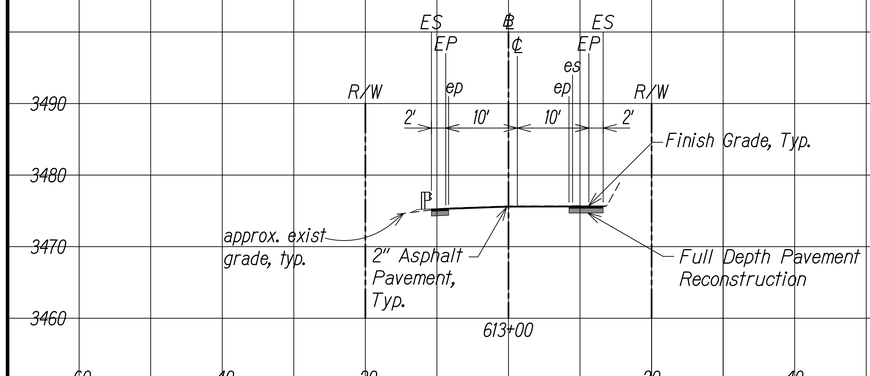
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 85	127

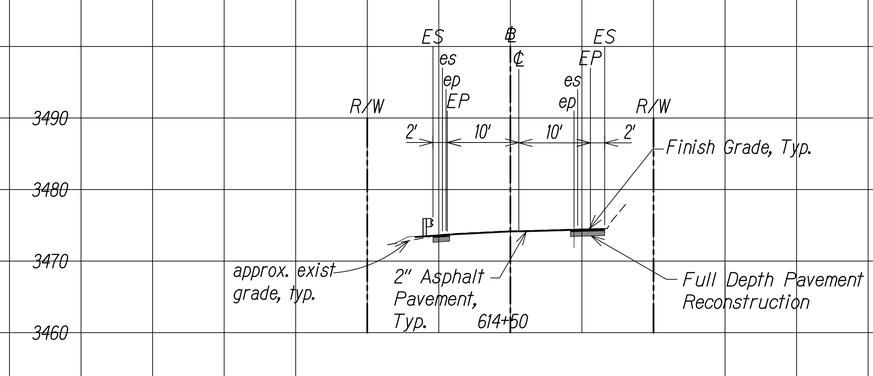












GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

DATE	REVISION
11/07/22	⚠1 Removed Extraneous Cross Sections Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

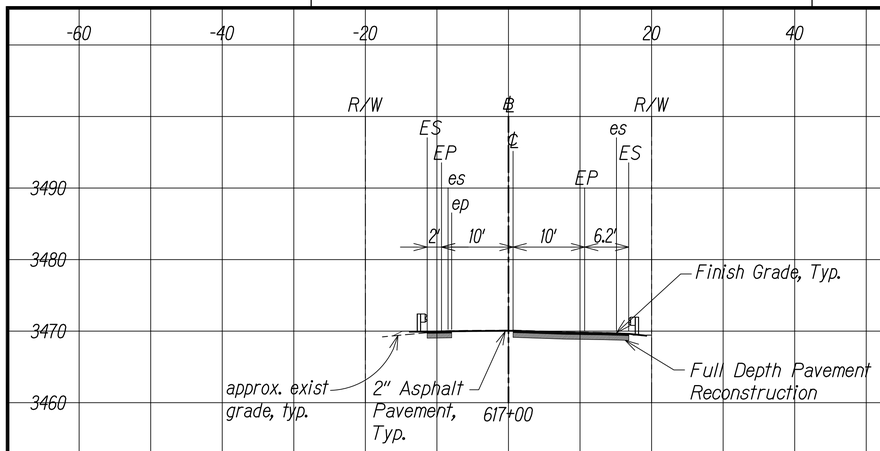
Scale: 1" = 10' Date: August 2022

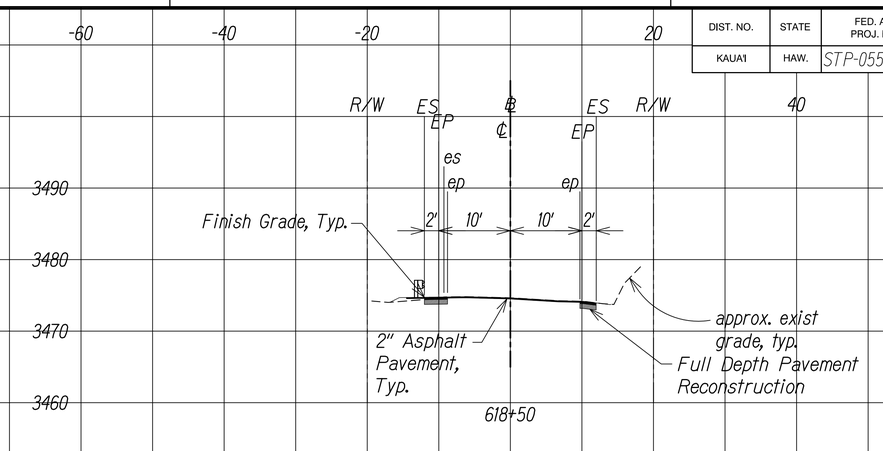
SHEET No. 5 OF 47 SHEETS

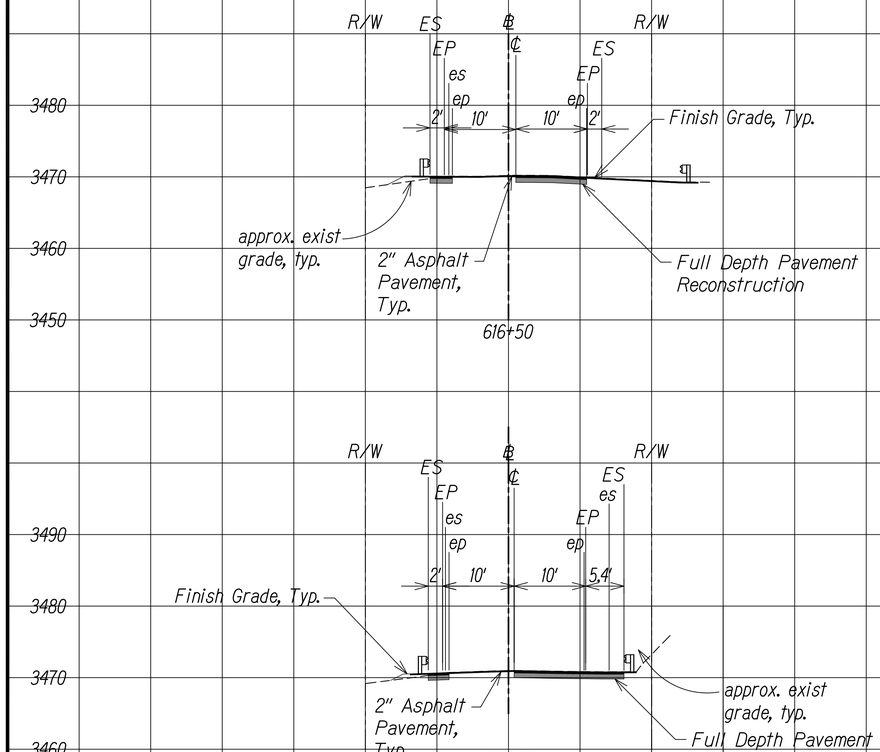
COPY OF ORIGINAL TRACING

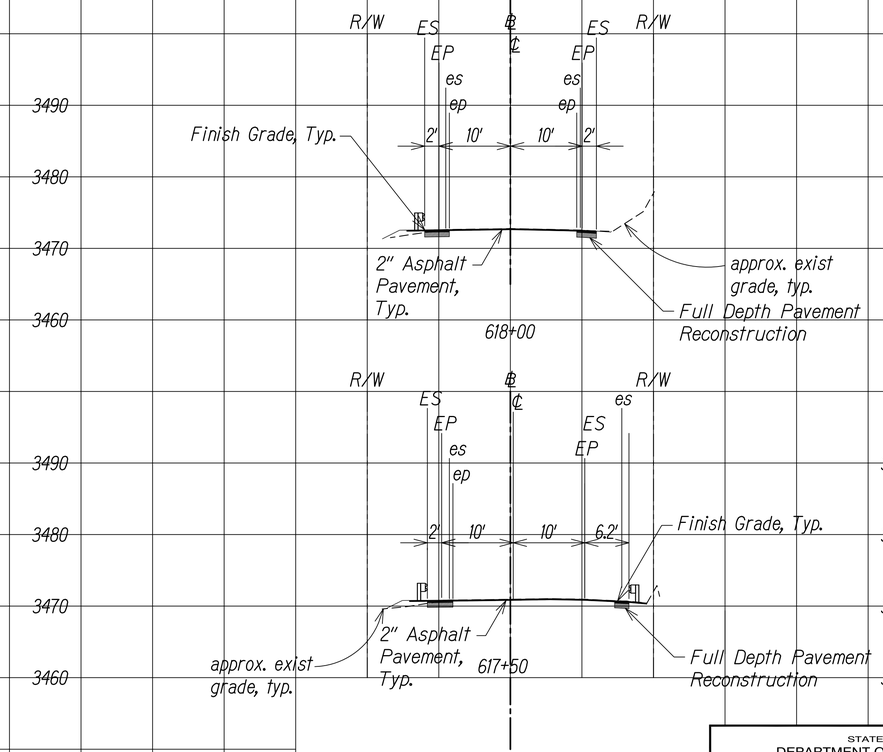
ADD 85

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 86	127









GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

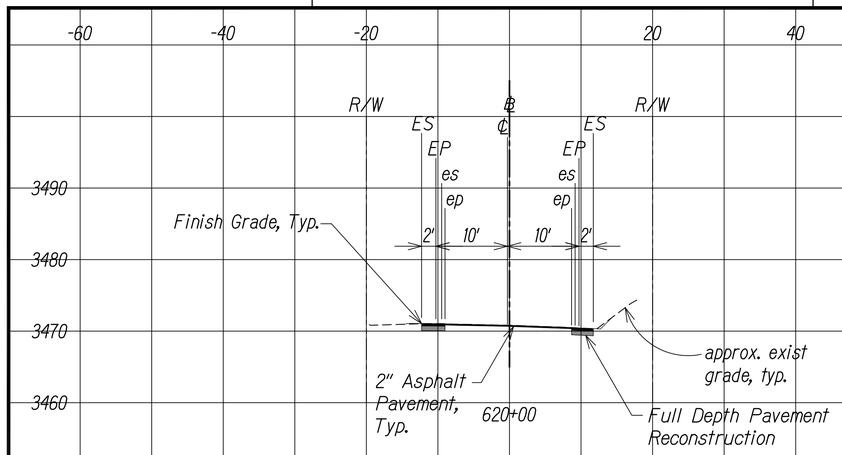
Scale: 1" = 10' Date: August 2022

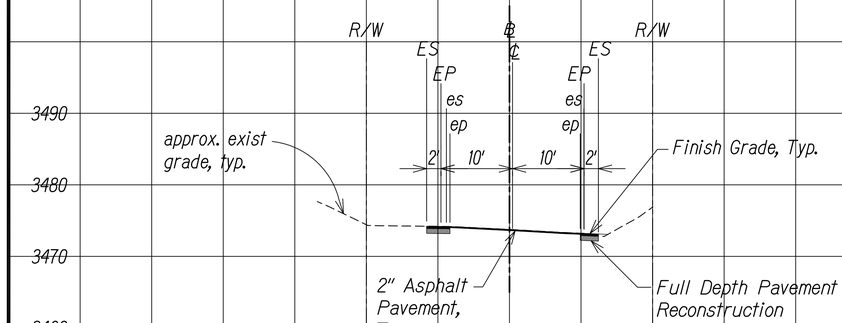
SHEET No. 6 OF 47 SHEETS

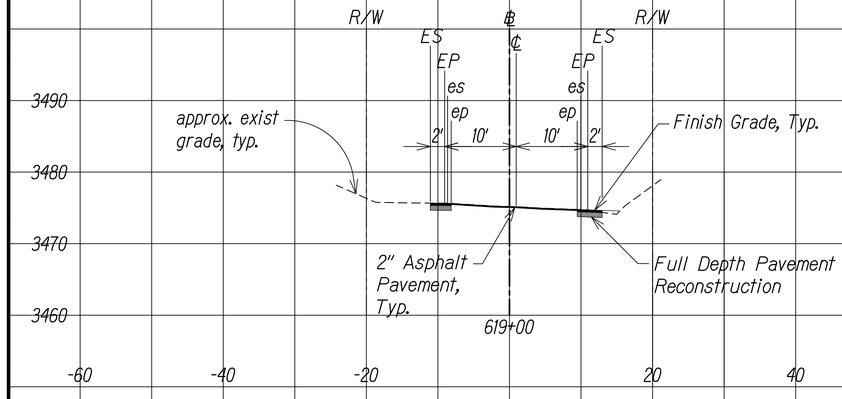
COPY OF ORIGINAL TRACING

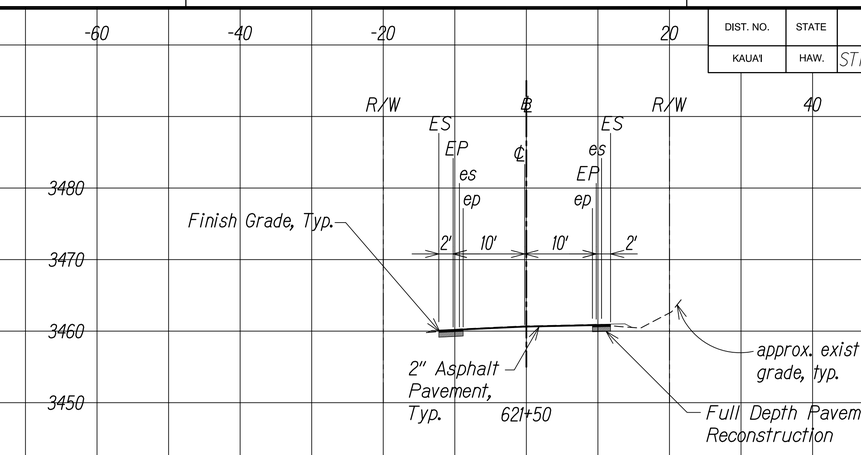
ADD 86

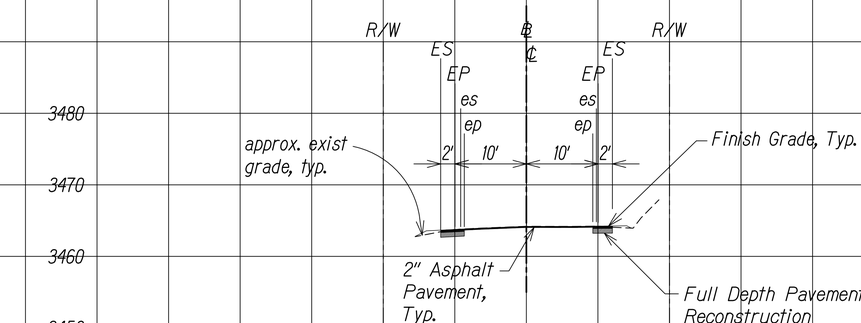
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 87	127

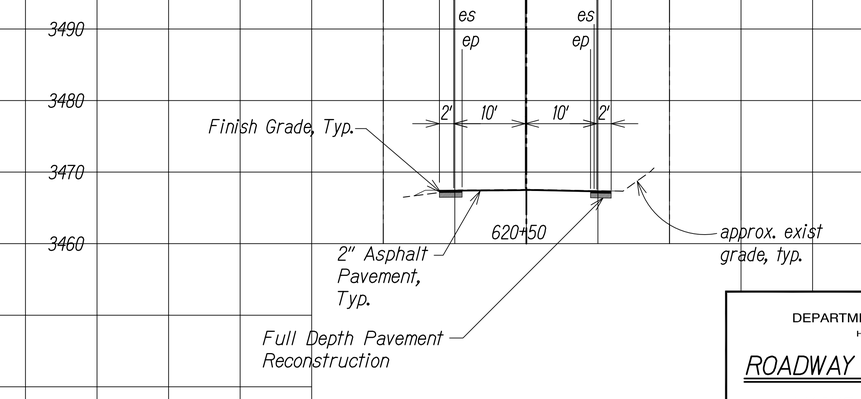












GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

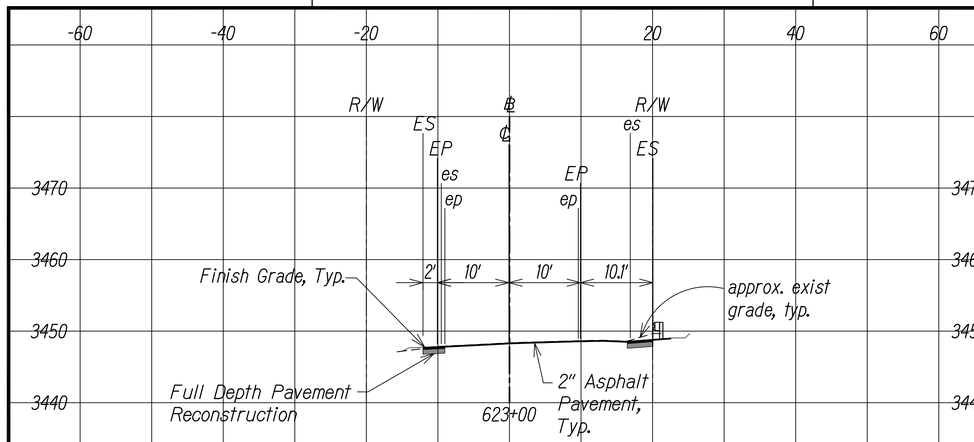
Scale: 1" = 10' Date: August 2022

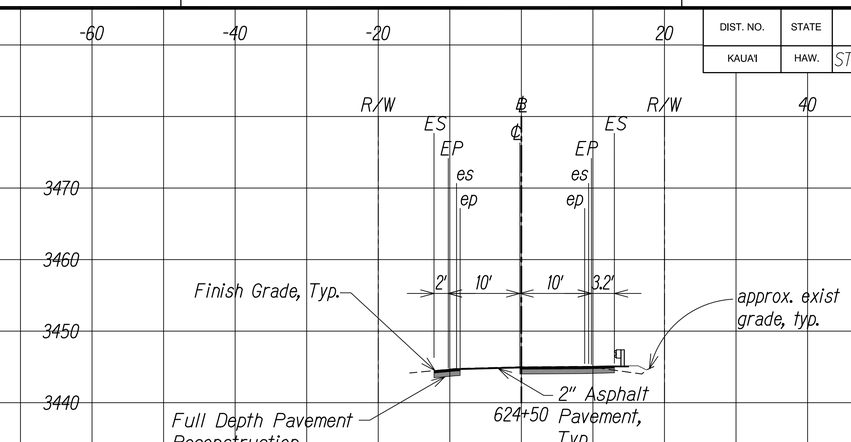
SHEET No. 7 OF 47 SHEETS

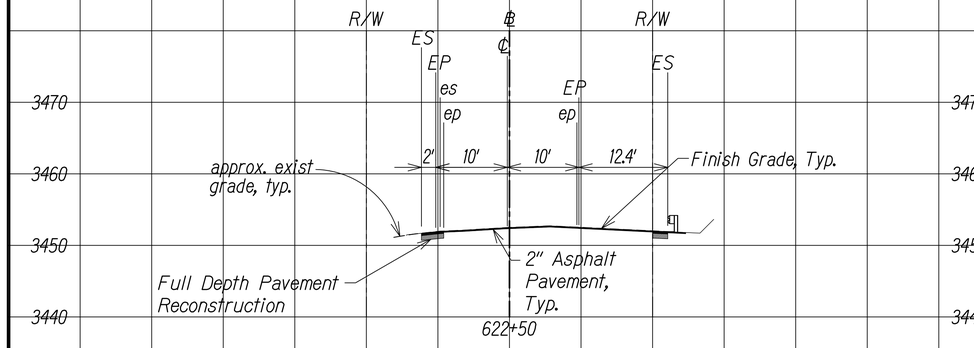
COPY OF ORIGINAL TRACING

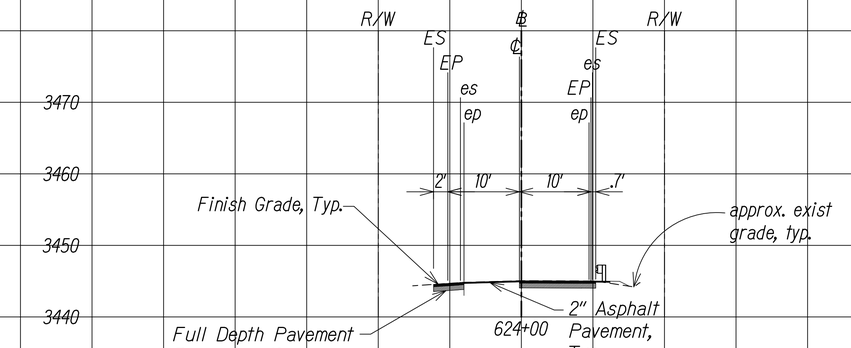
ADD 87

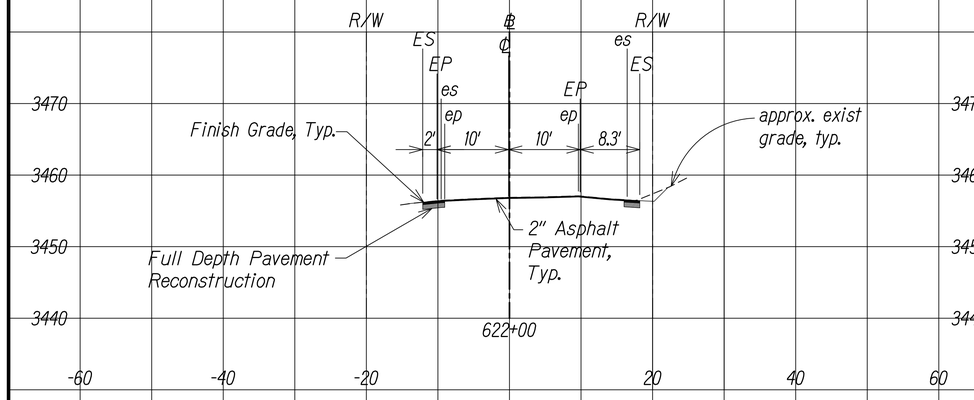
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 88	127

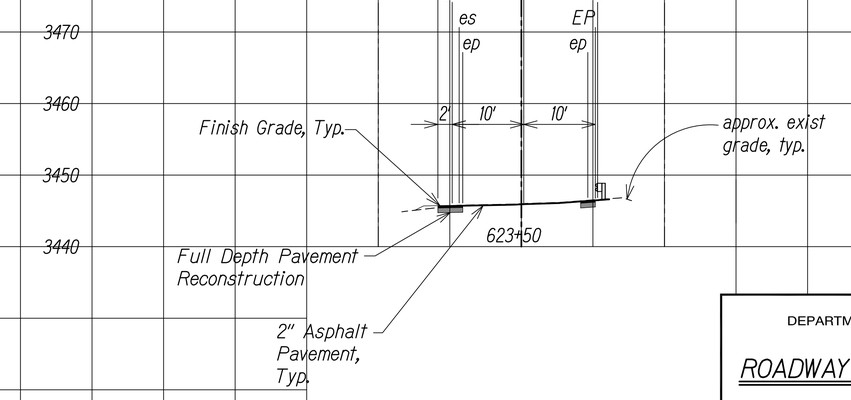












-60 -40 -20 20 40 60

GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

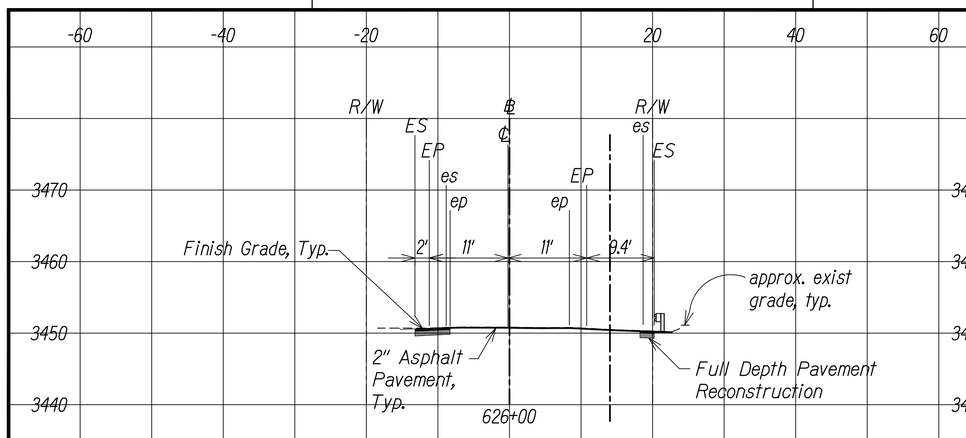
Scale: 1" = 10' Date: August 2022

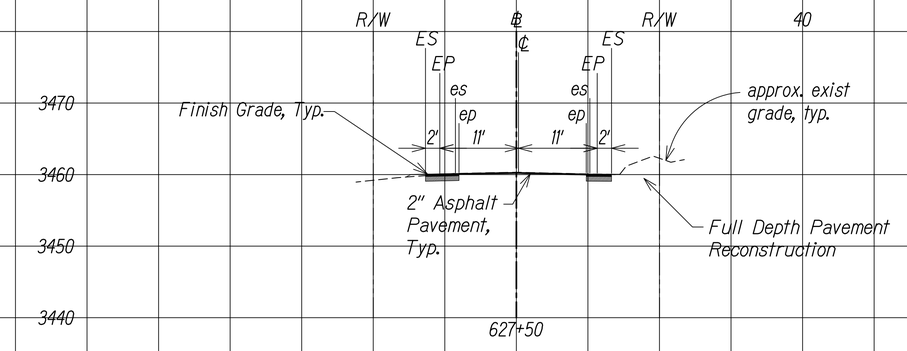
SHEET No. 8 OF 47 SHEETS

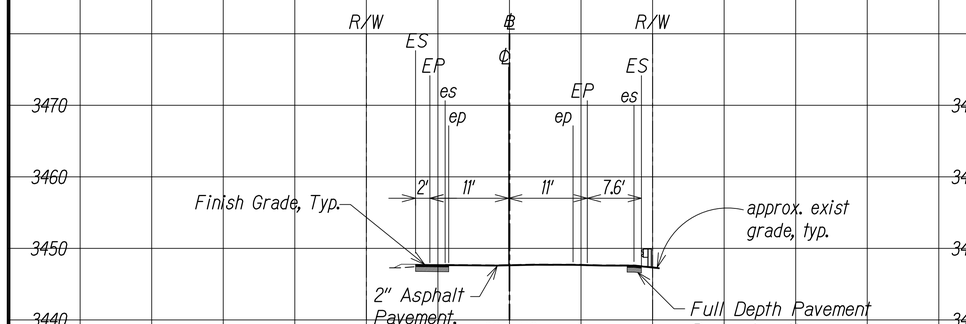
COPY OF ORIGINAL TRACING

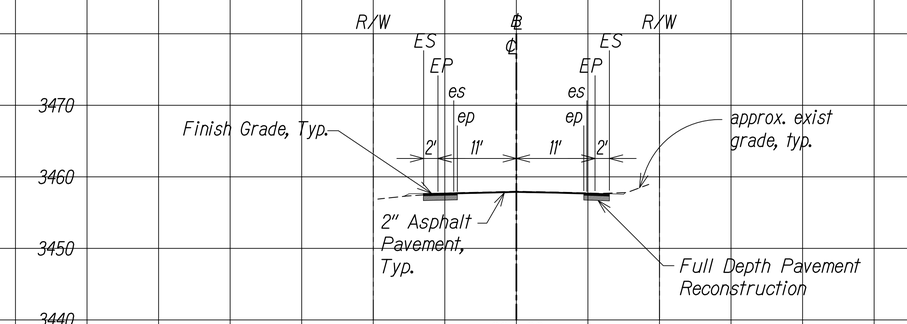
ADD 88

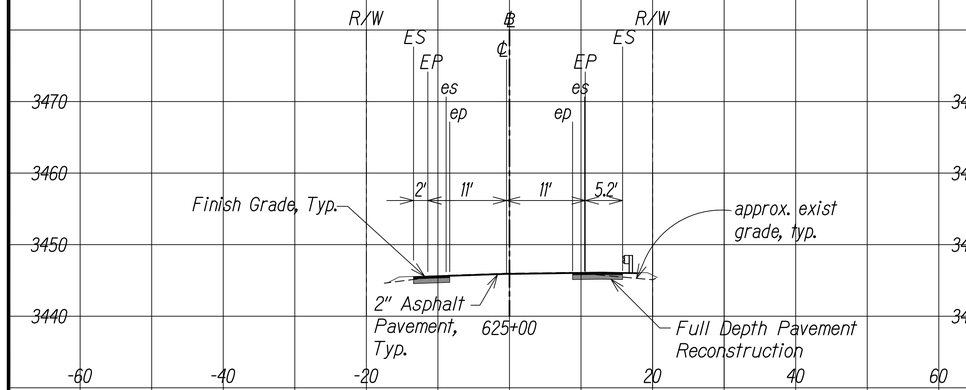
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 89	127

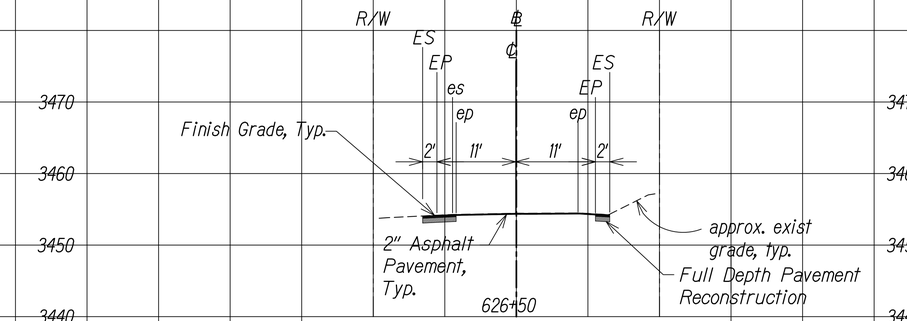












GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

ORIGINAL PLAN

NOTE BOOK No.

SURVEY PLOTTED BY DATE

DRAWN BY

TRACED BY

DESIGNED BY

QUANTITIES BY

CHECKED BY

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

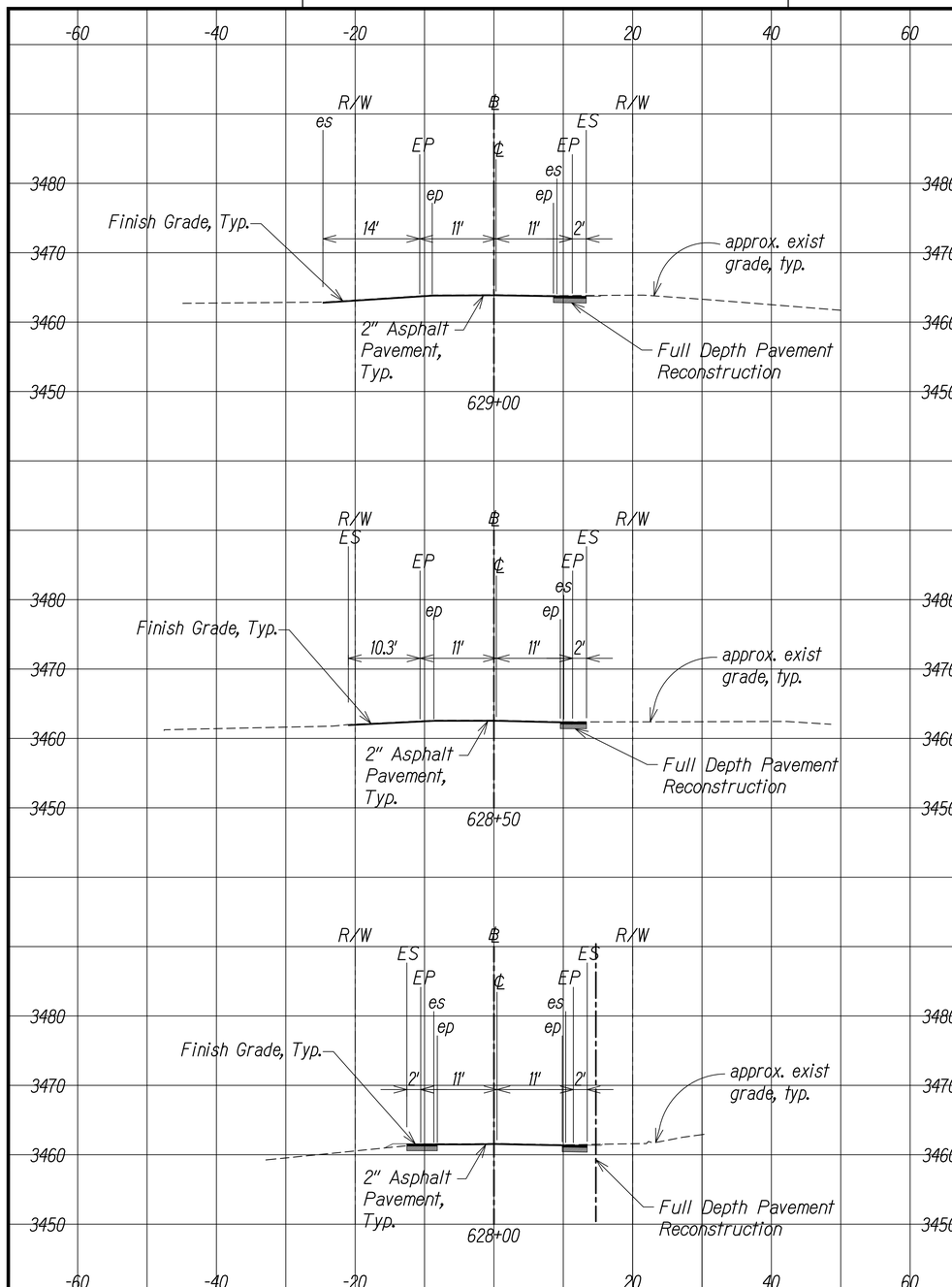
Scale: 1" = 10' Date: August 2022

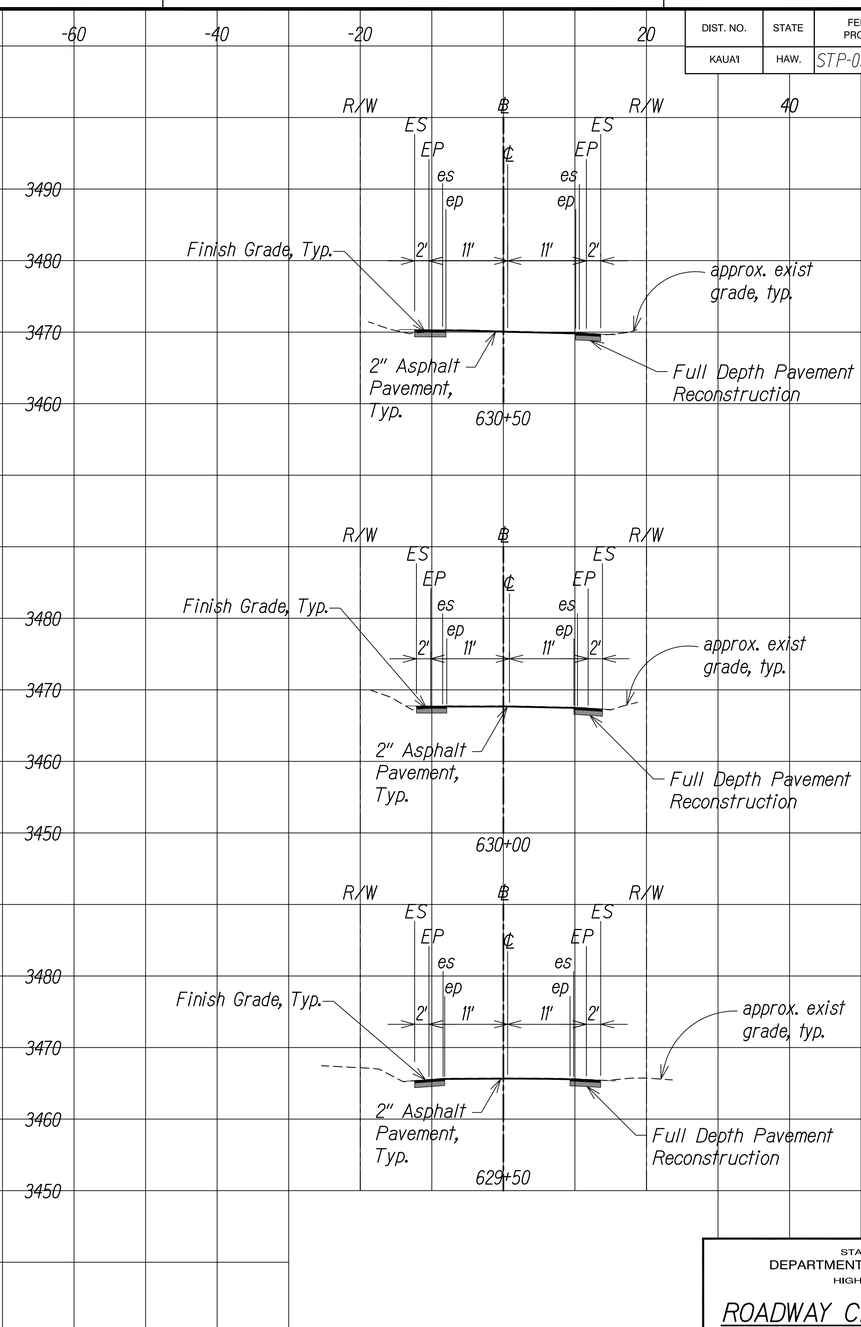
SHEET No. 9 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 89

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 90	127





KOKEE ROAD
Scale: 1" = 10'

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

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

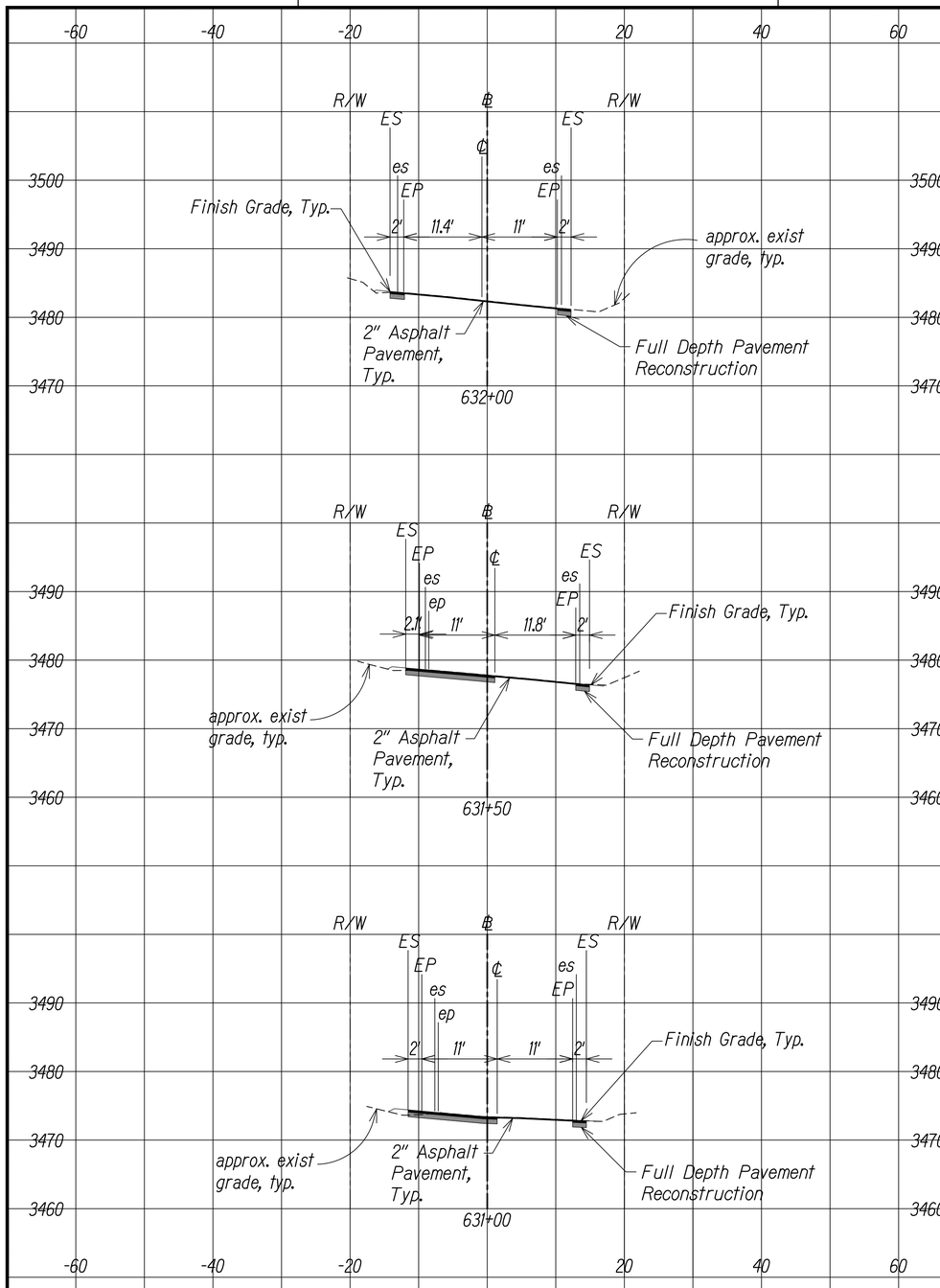
Scale: 1" = 10' Date: August 2022

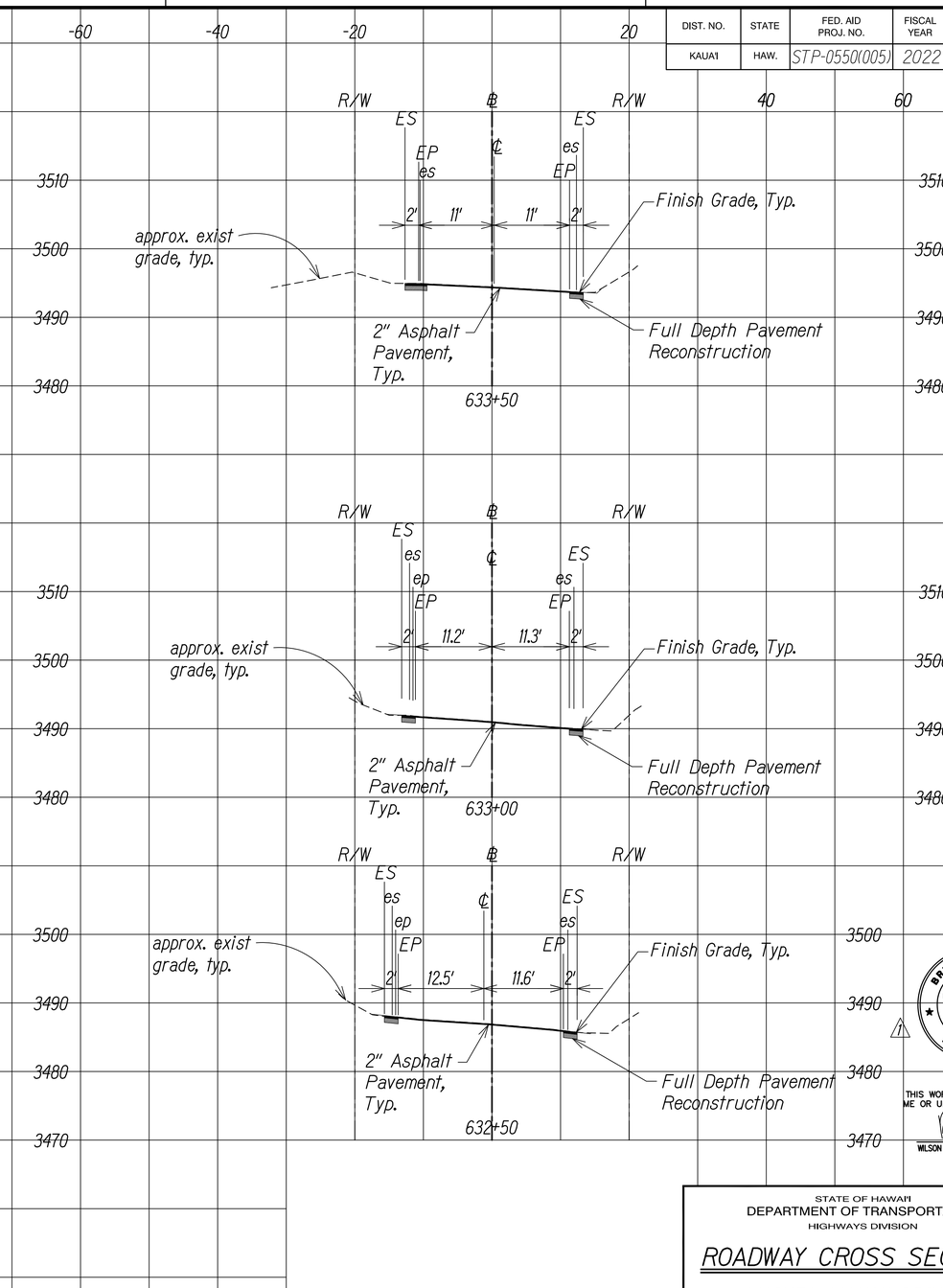
SHEET No. 10 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 90

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 91	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

SHEET No. 11 OF 47 SHEETS

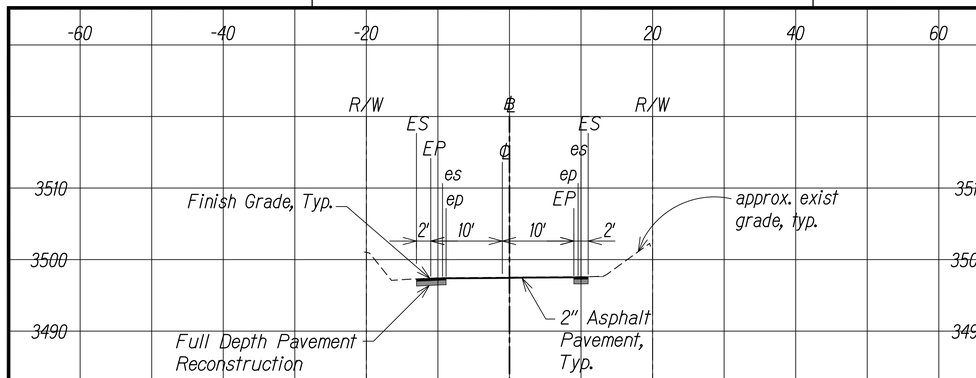
ORIGINAL PLAN
NOTE BOOK
No.

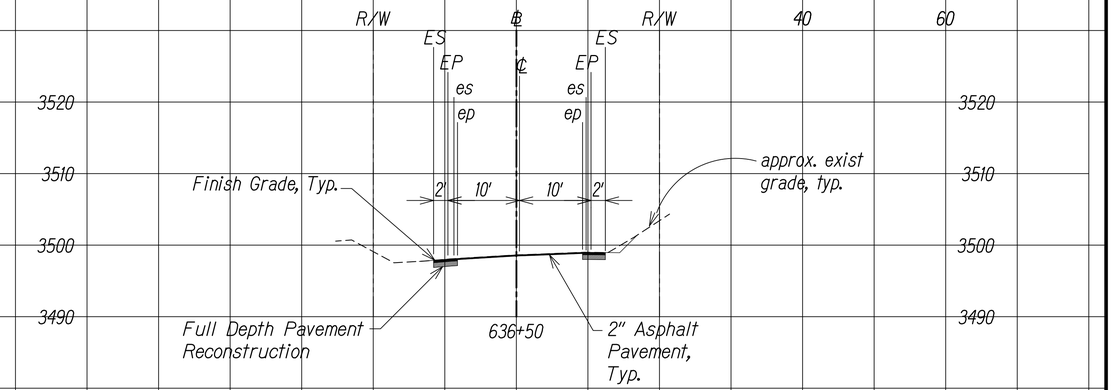
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

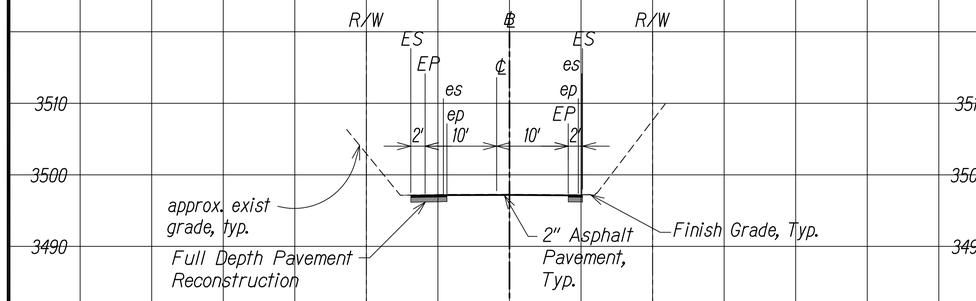
COPY OF ORIGINAL TRACING

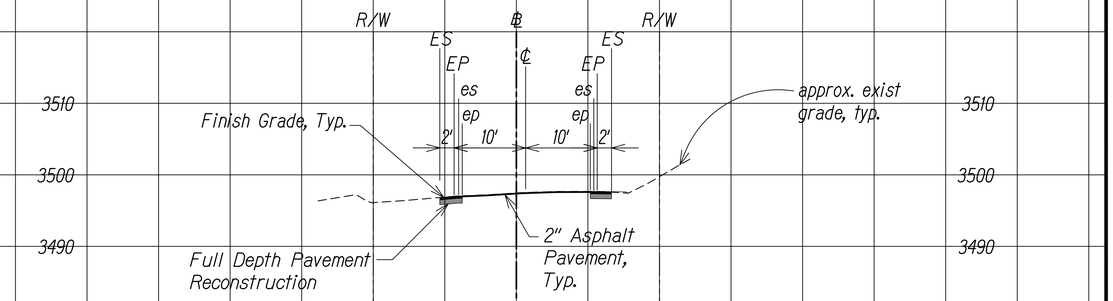
ADD 91

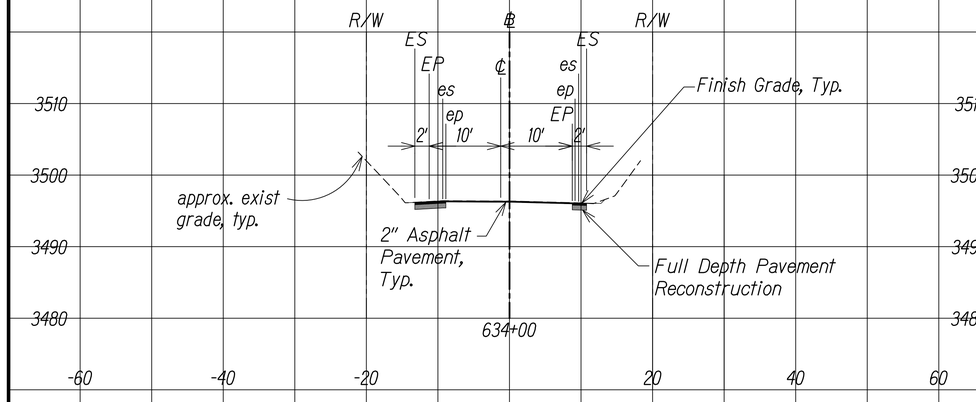
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 92	127

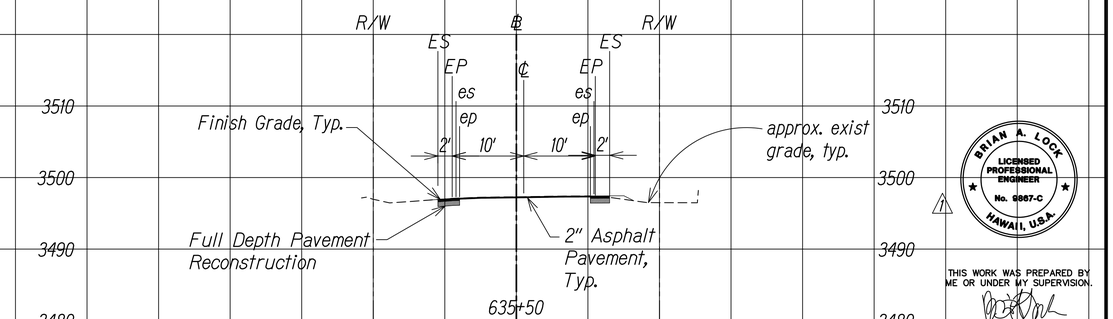












GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

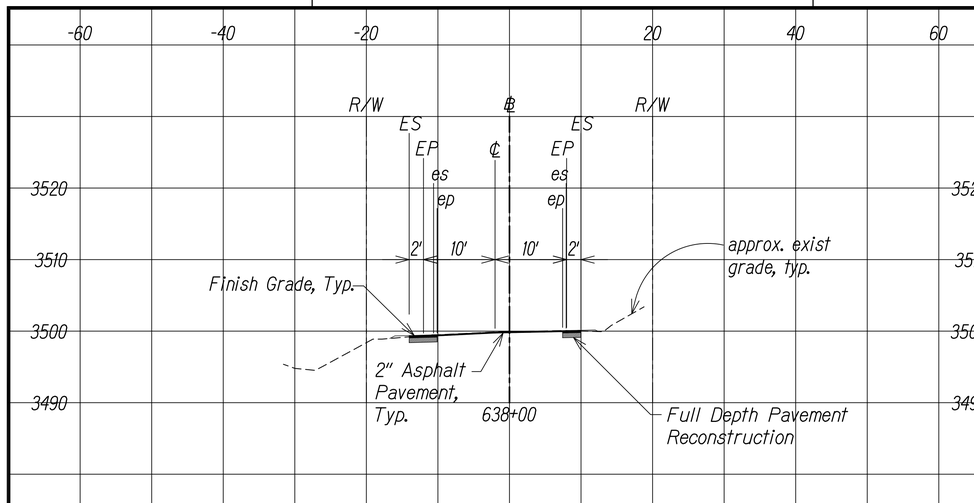
SHEET No. 12 OF 47 SHEETS

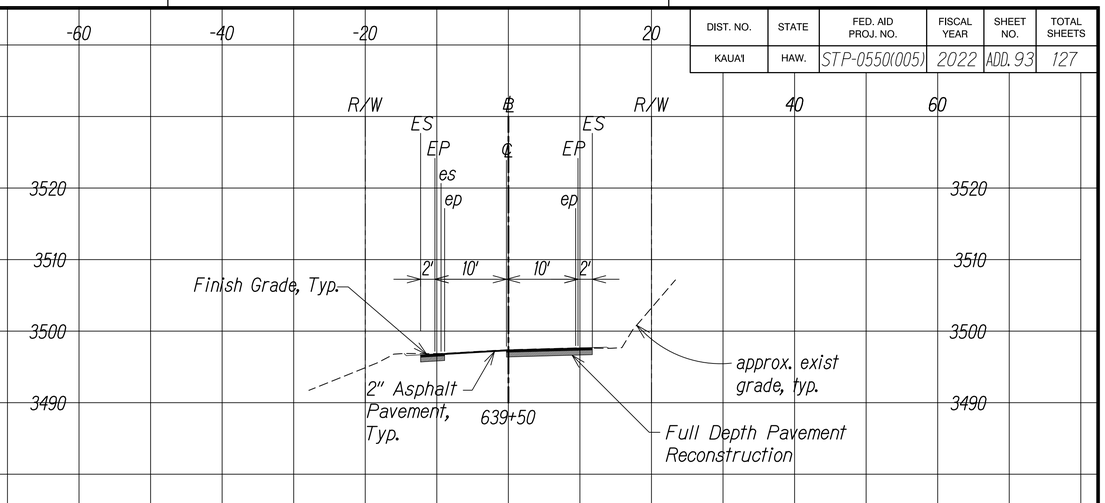
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

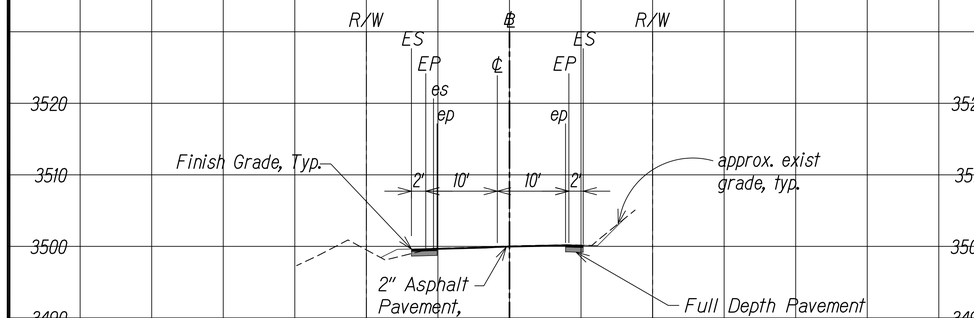
COPY OF ORIGINAL TRACING

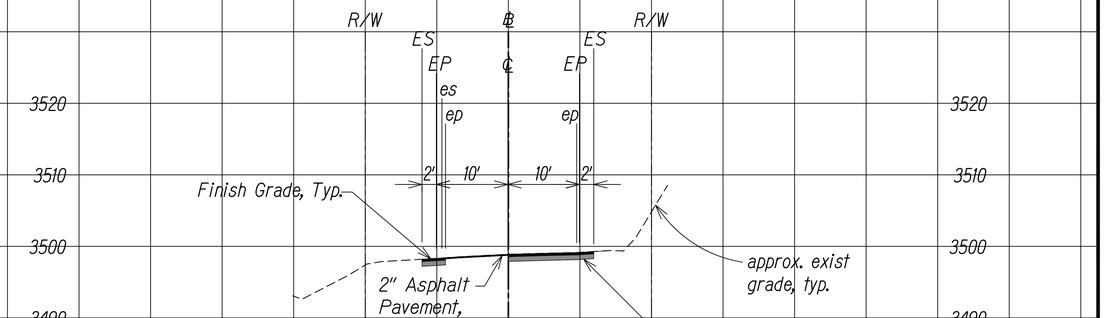
ADD 92

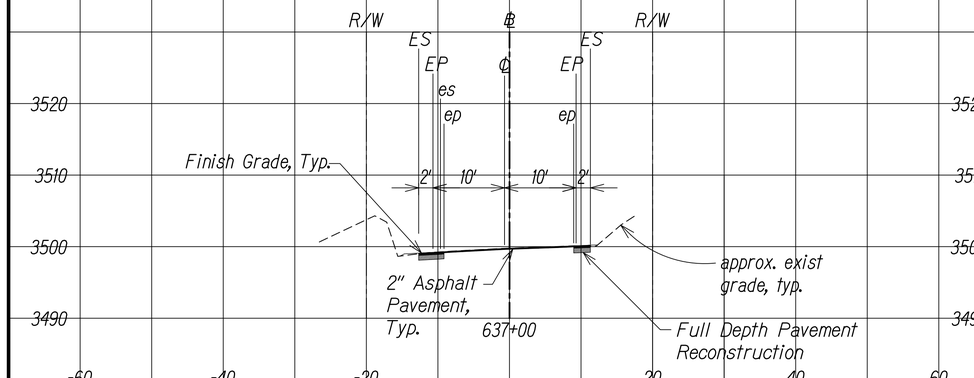
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 93	127

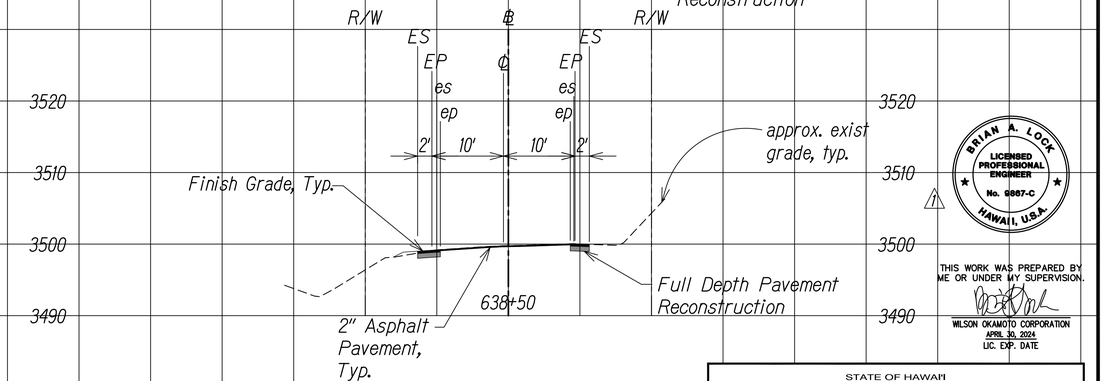












GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

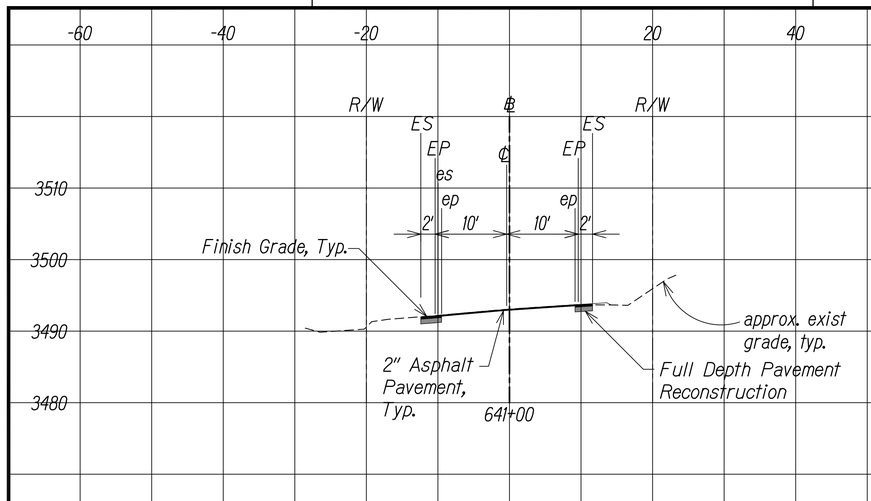
Scale: 1" = 10' Date: August 2022

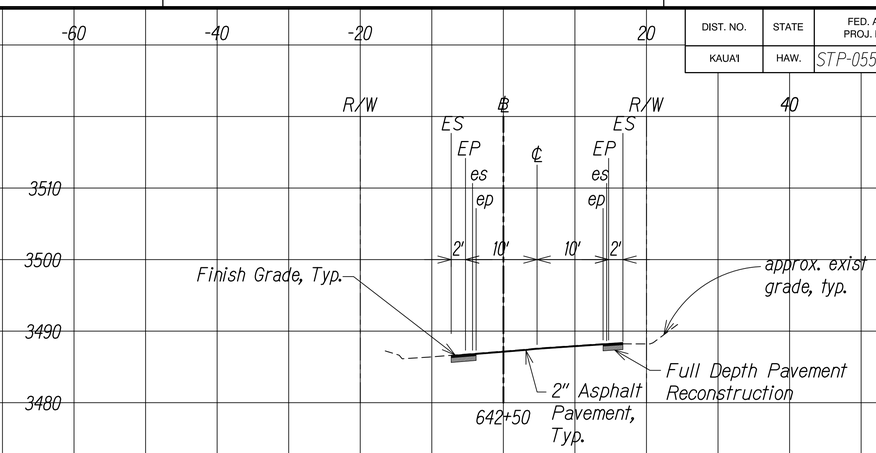
SHEET No. 13 OF 47 SHEETS

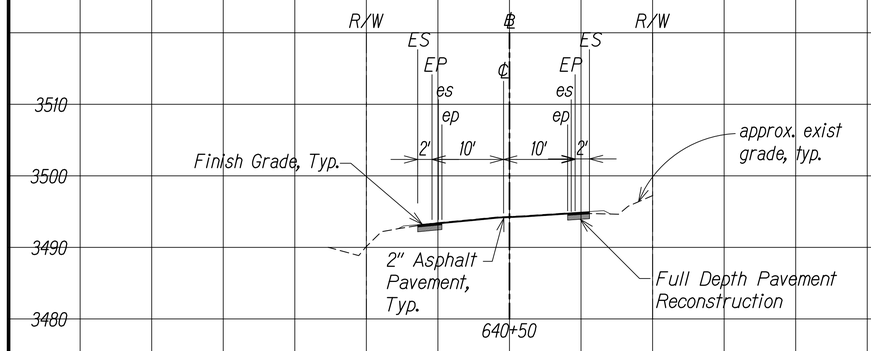
COPY OF ORIGINAL TRACING

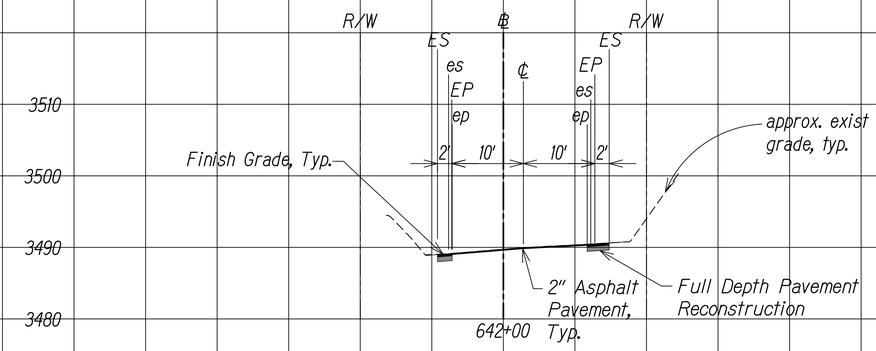
ADD 93

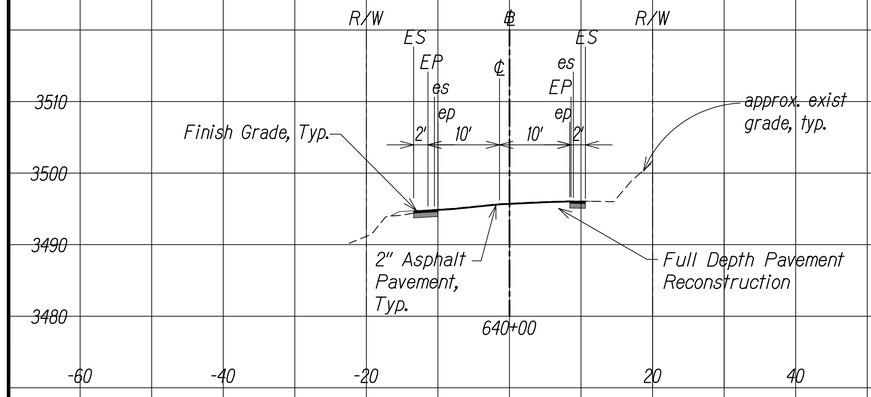
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 94	127

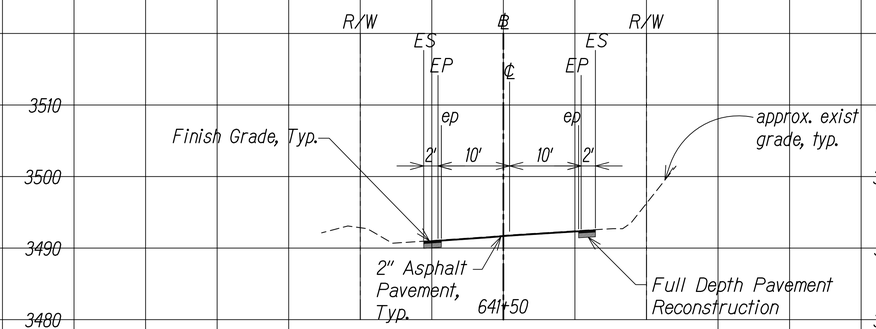












GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

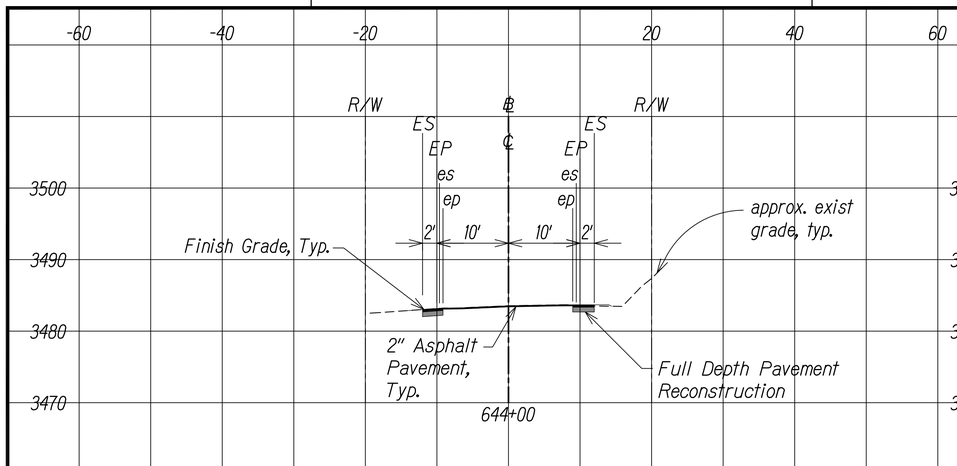
SHEET No. 14 OF 47 SHEETS

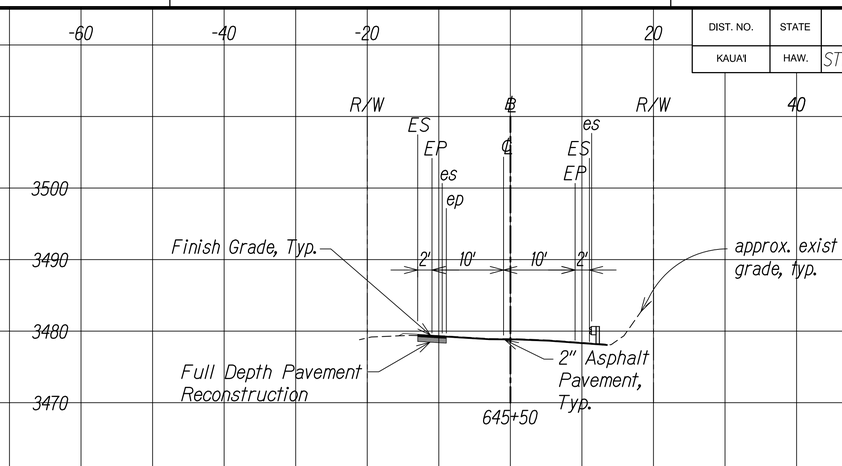
ORIGINAL PLAN
NOTE BOOK
No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

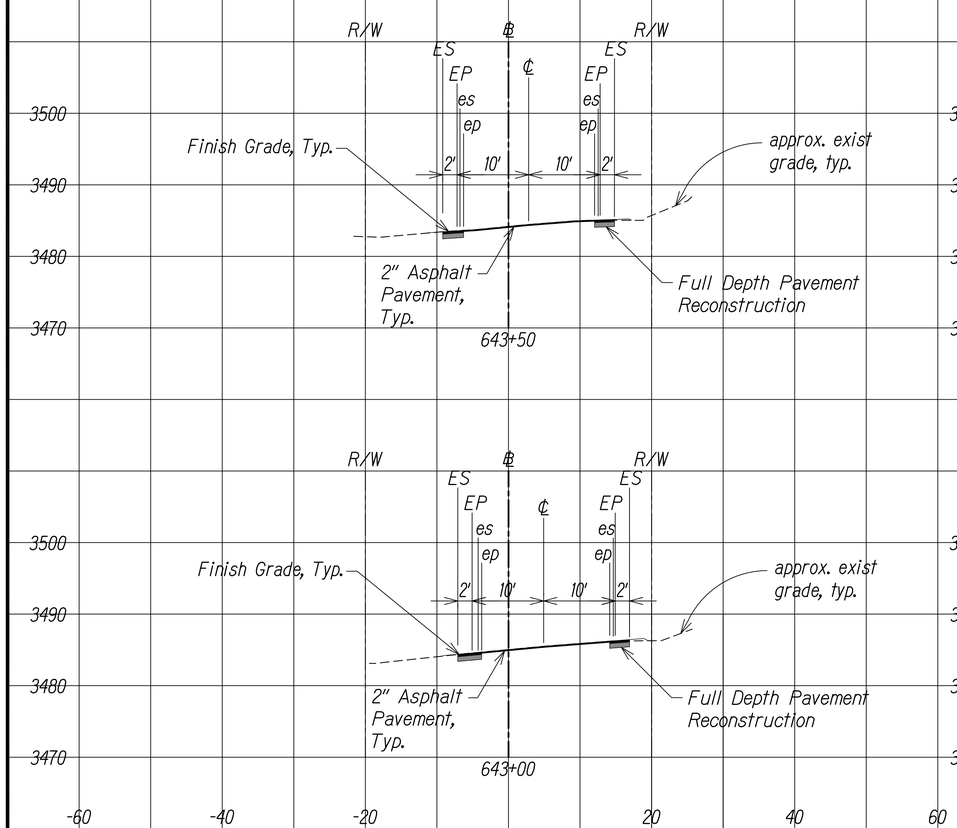
COPY OF ORIGINAL TRACING

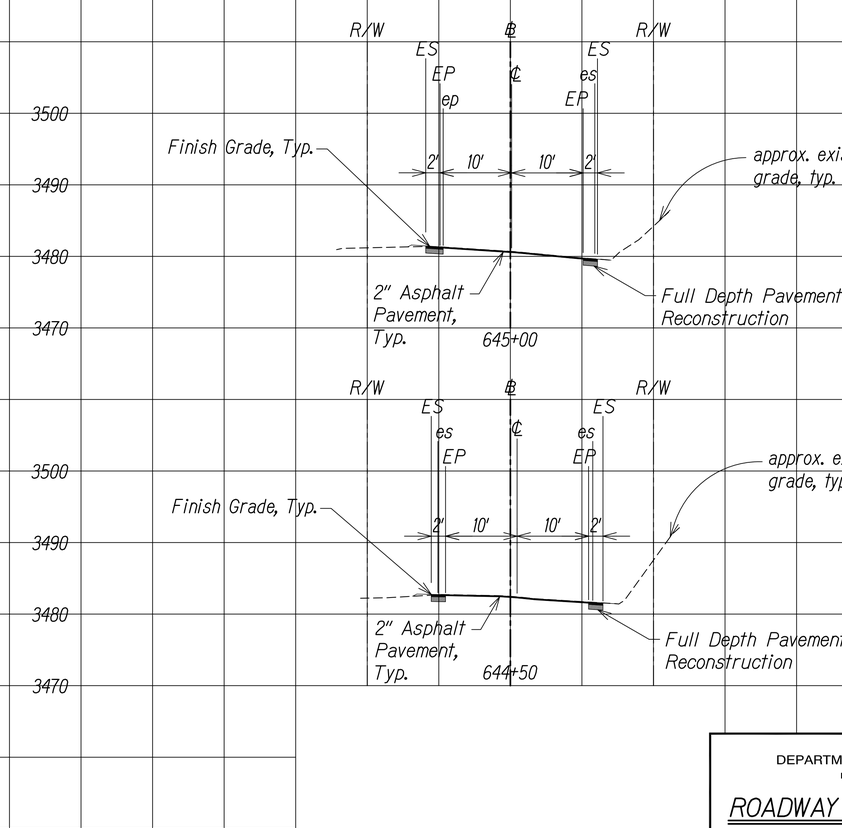
ADD 94

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.95	127









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

ORIGINAL PLAN
NOTE BOOK
No.

GRAPHIC SCALE
10' 5' 0 10' 20'
SCALE: 1" = 10'

KOKEE ROAD
Scale: 1" = 10'

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

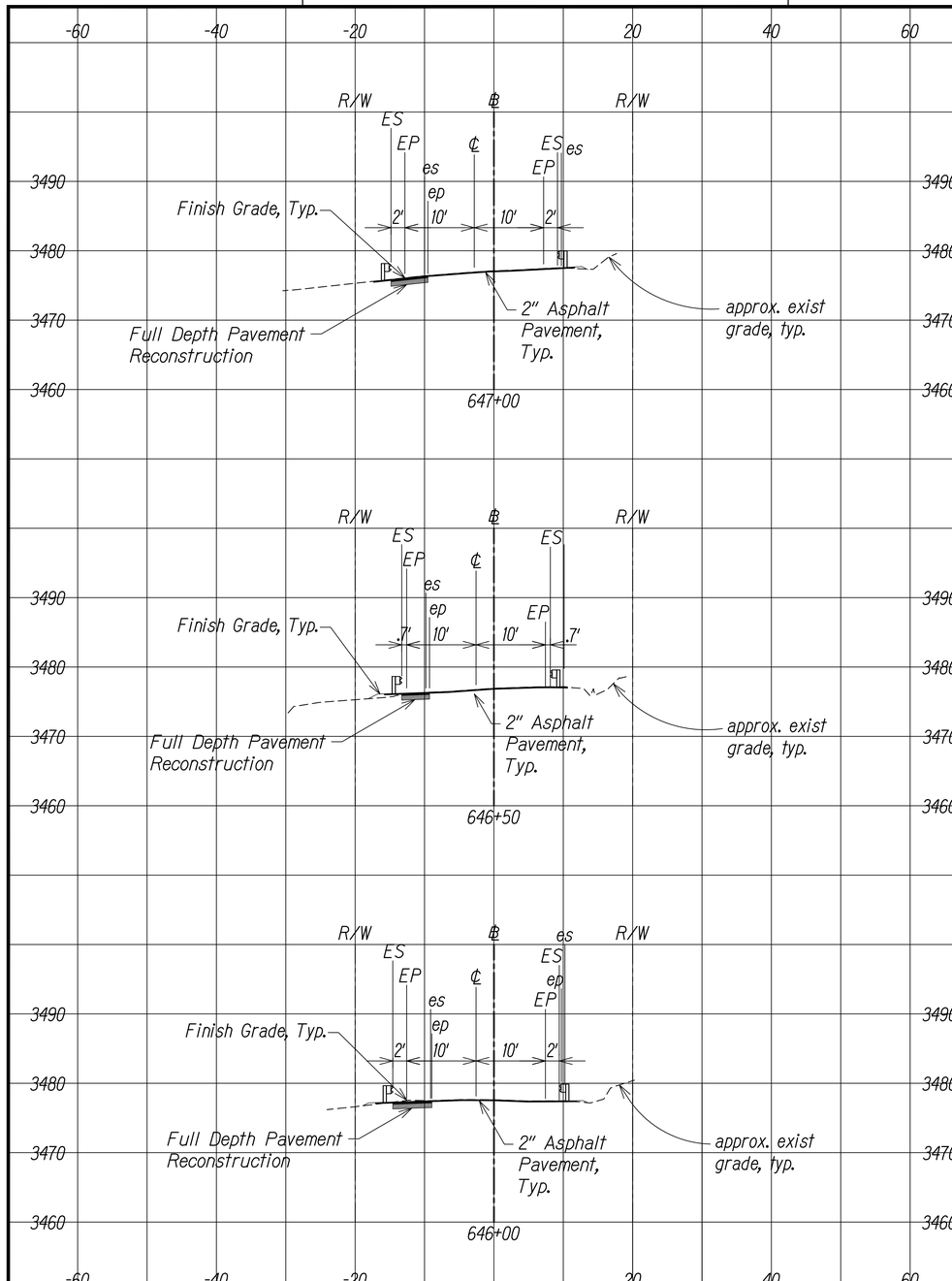
Scale: 1" = 10' Date: August 2022

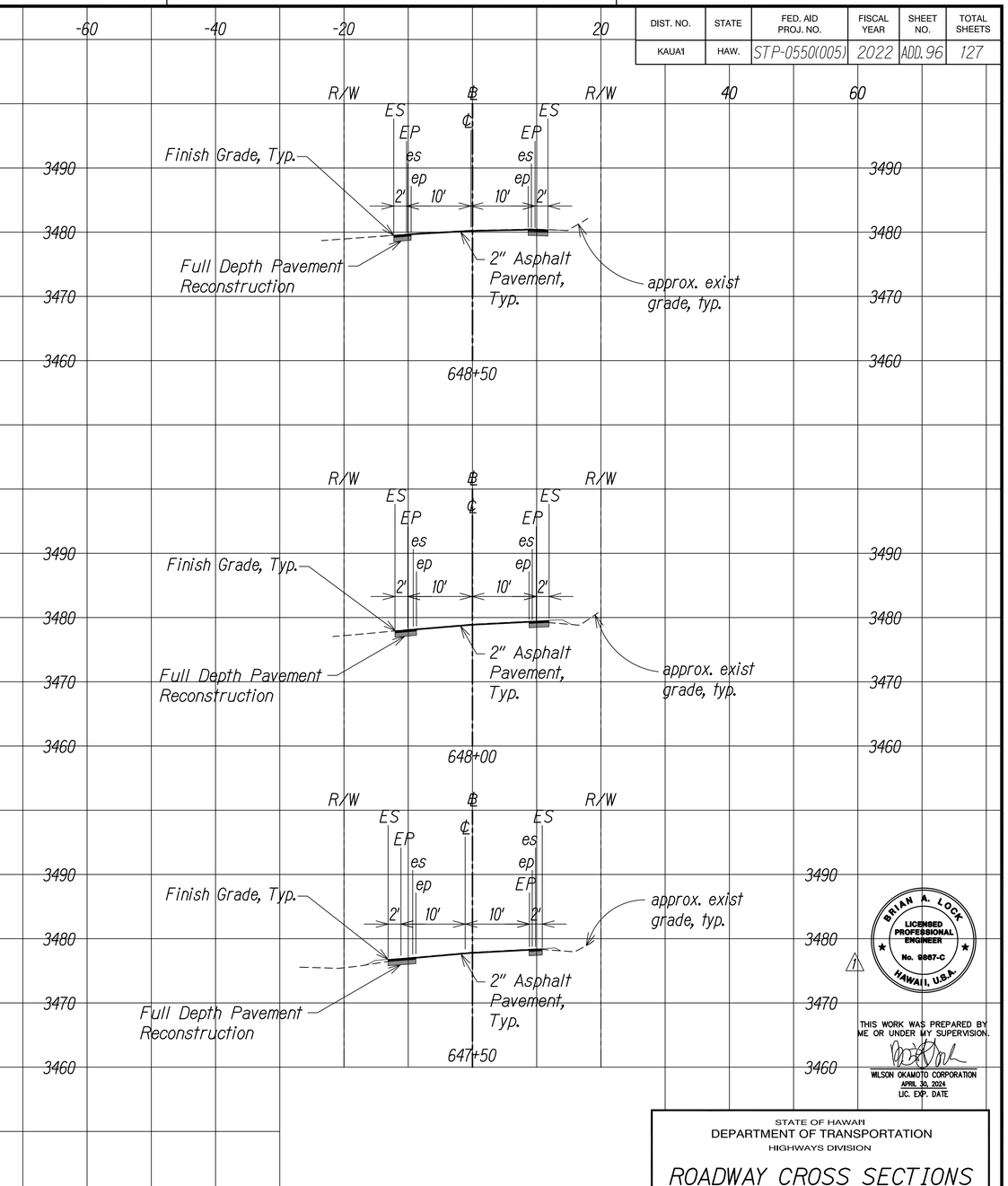
SHEET No. 15 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 95

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 96	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

NOTE BOOK | No.

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
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HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

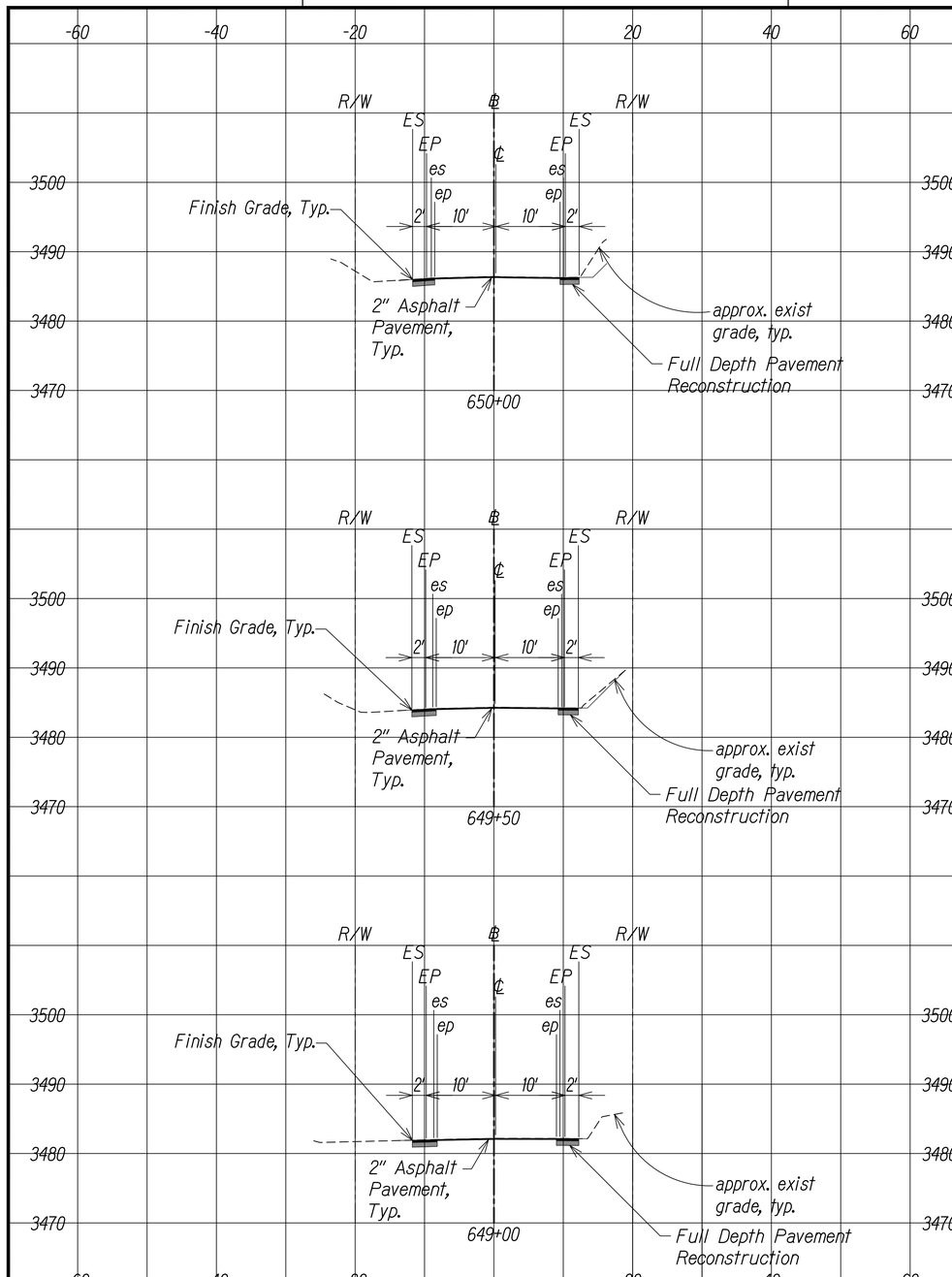
Scale: 1" = 10' Date: August 2022

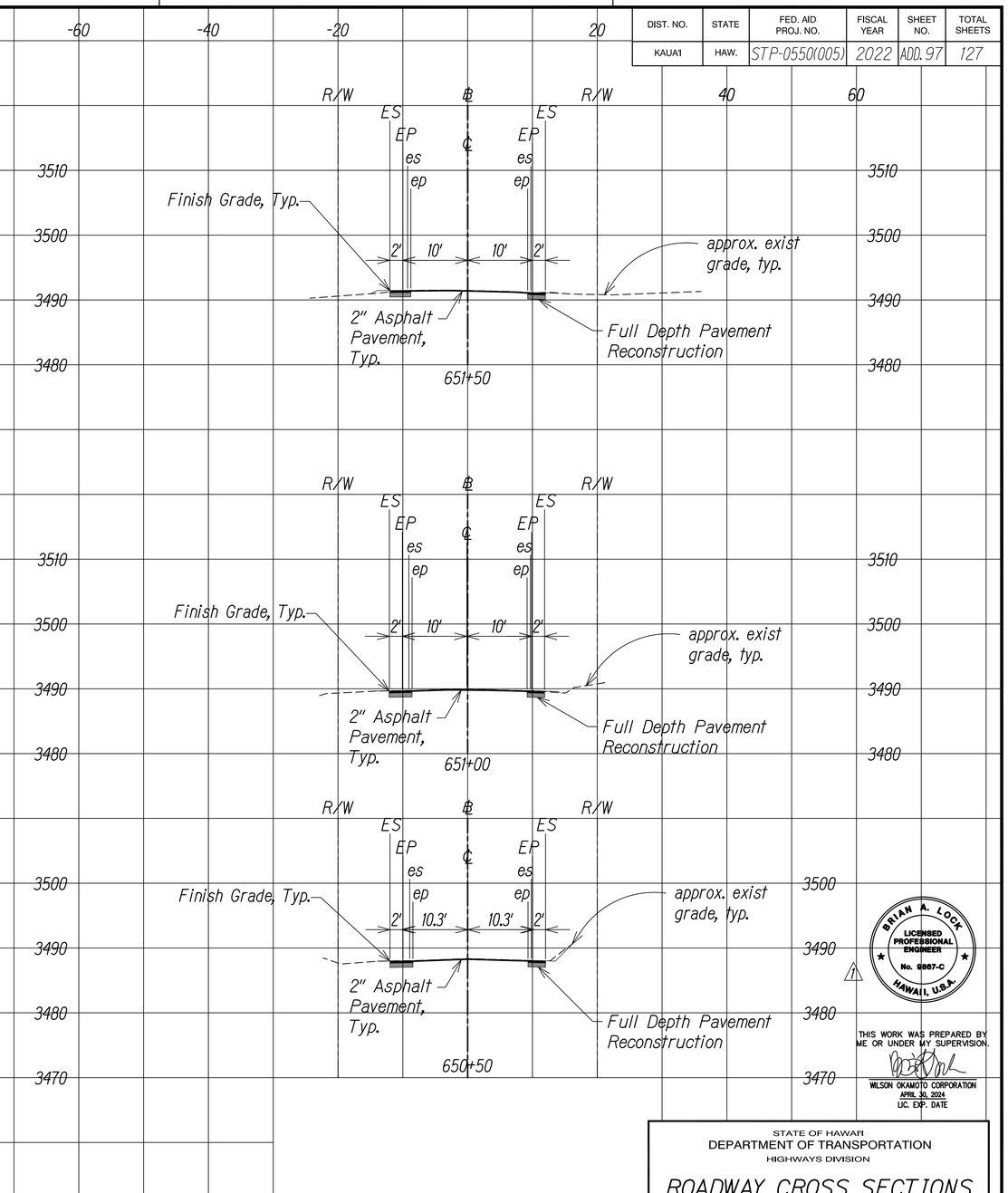
SHEET No. 16 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 96

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 97	127





GRAPHIC SCALE
10' 5' 0 10' 20'
SCALE: 1" = 10'

KOKEE ROAD
Scale: 1" = 10'

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

ORIGINAL PLAN

NOTE BOOK No.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

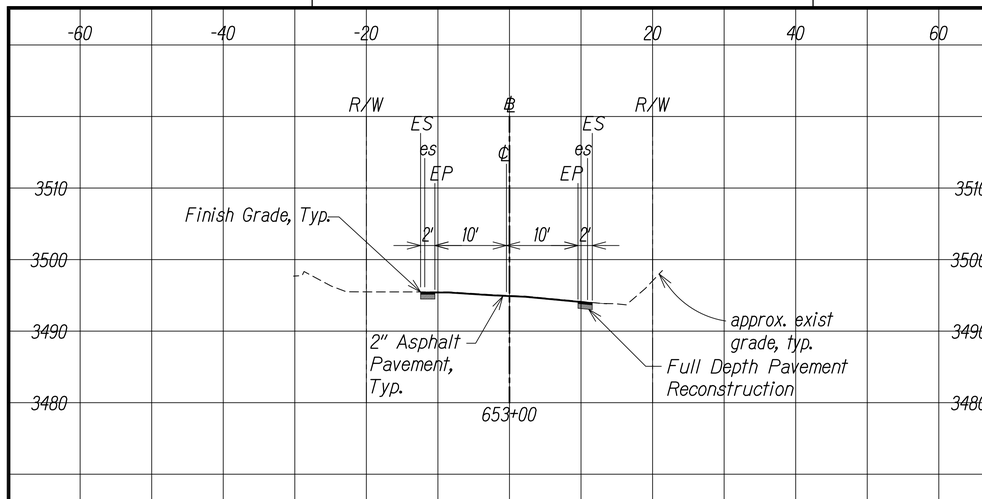
Scale: 1" = 10' Date: August 2022

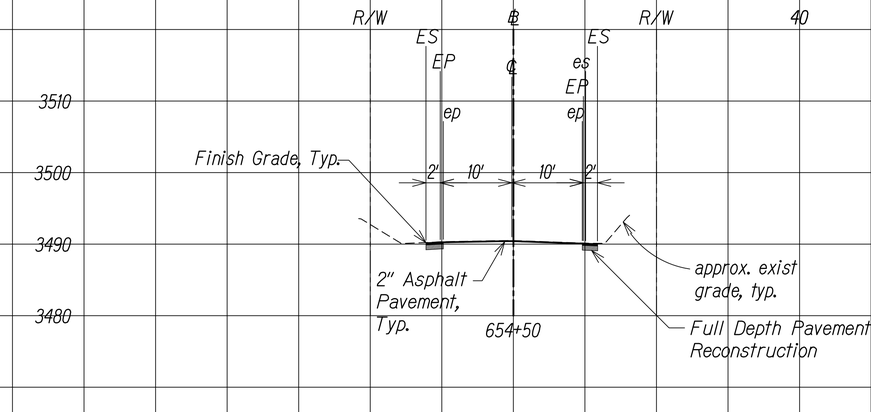
SHEET No. 17 OF 47 SHEETS

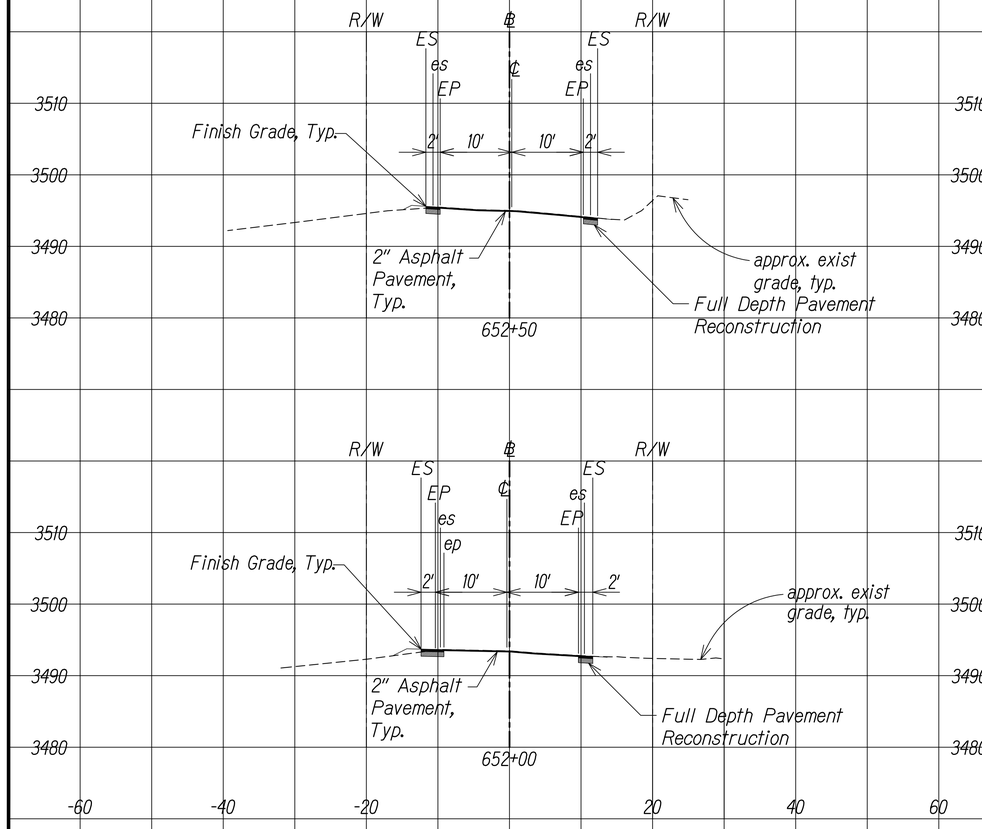
COPY OF ORIGINAL TRACING

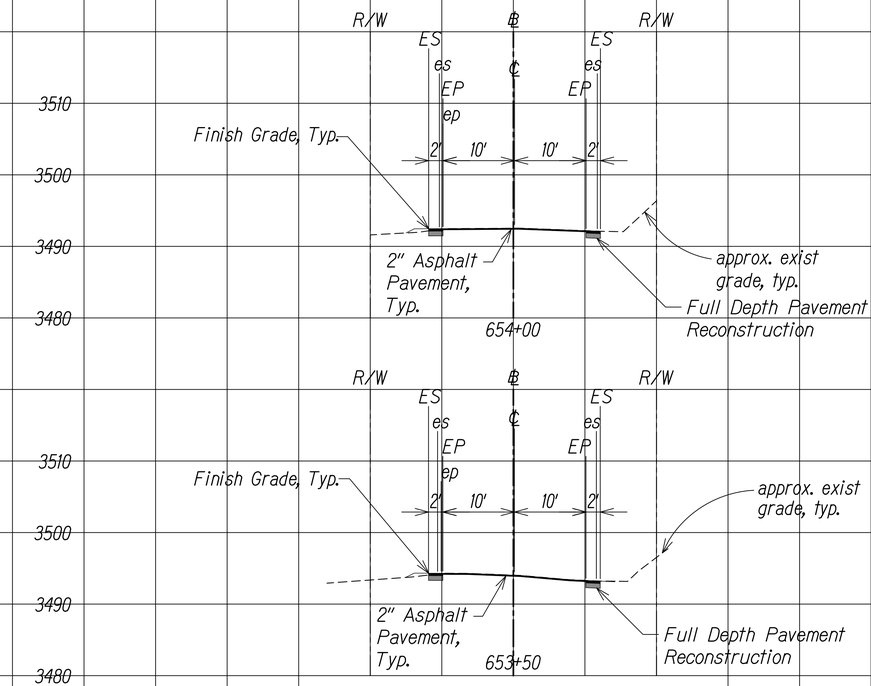
ADD 97

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 98	127









GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

ORIGINAL PLAN
NOTE BOOK
No.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

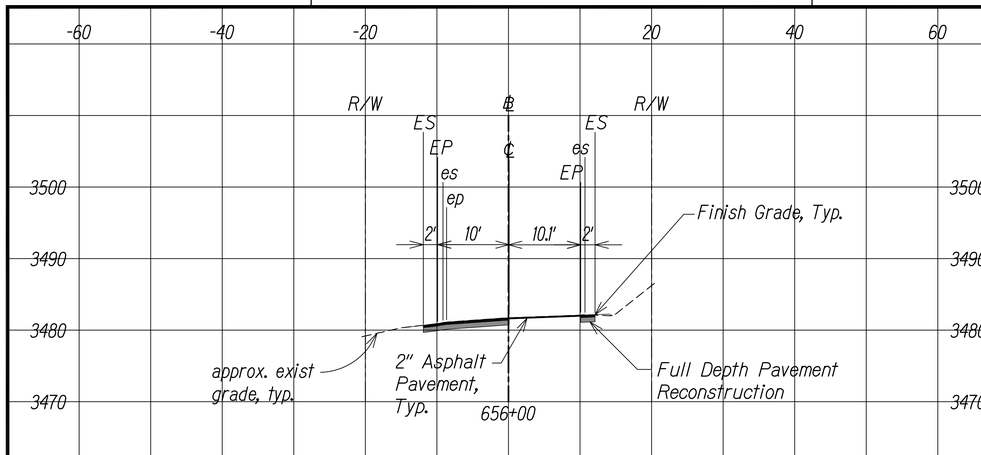
Scale: 1" = 10' Date: August 2022

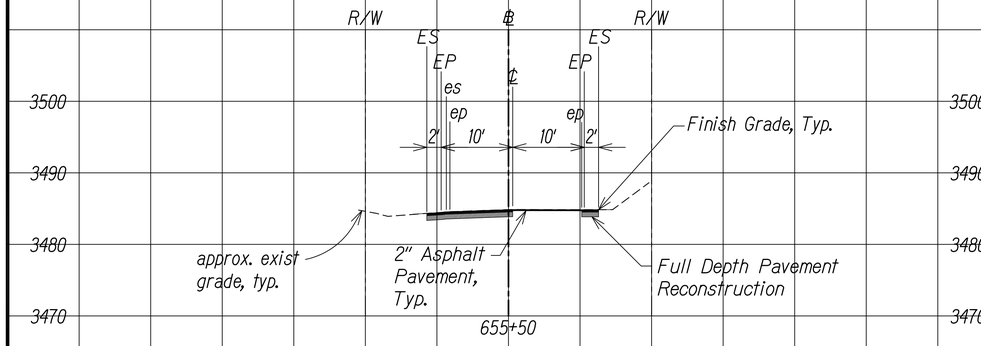
SHEET No. 18 OF 47 SHEETS

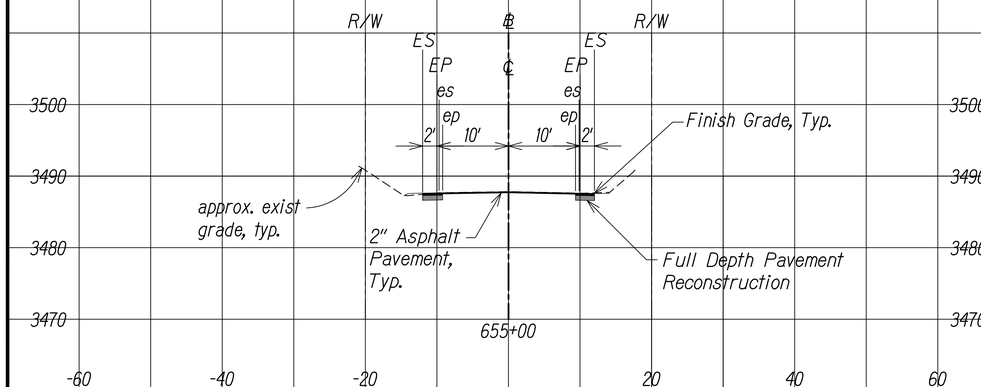
COPY OF ORIGINAL TRACING

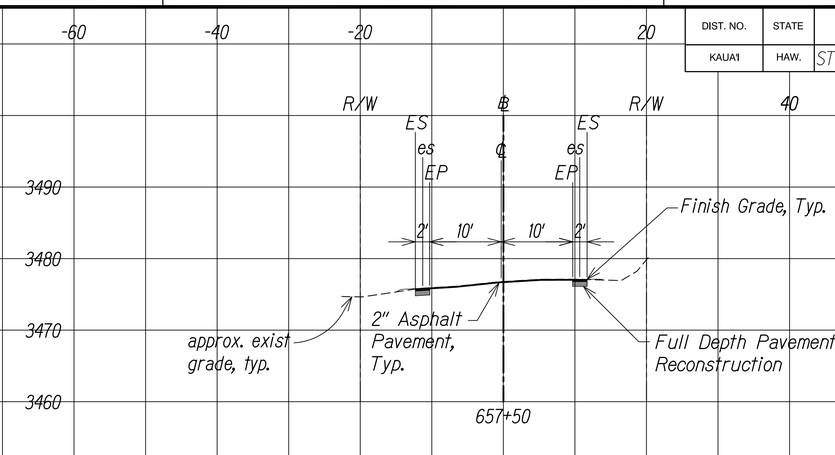
ADD 98

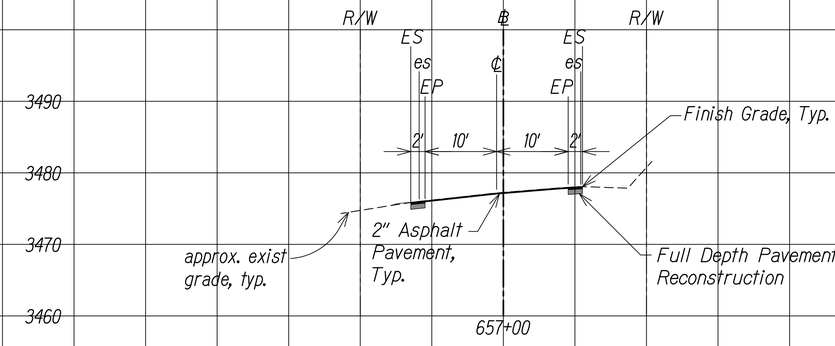
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 99	127

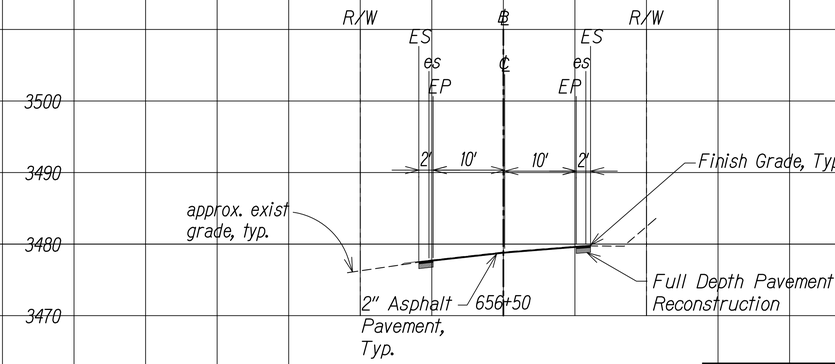












GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

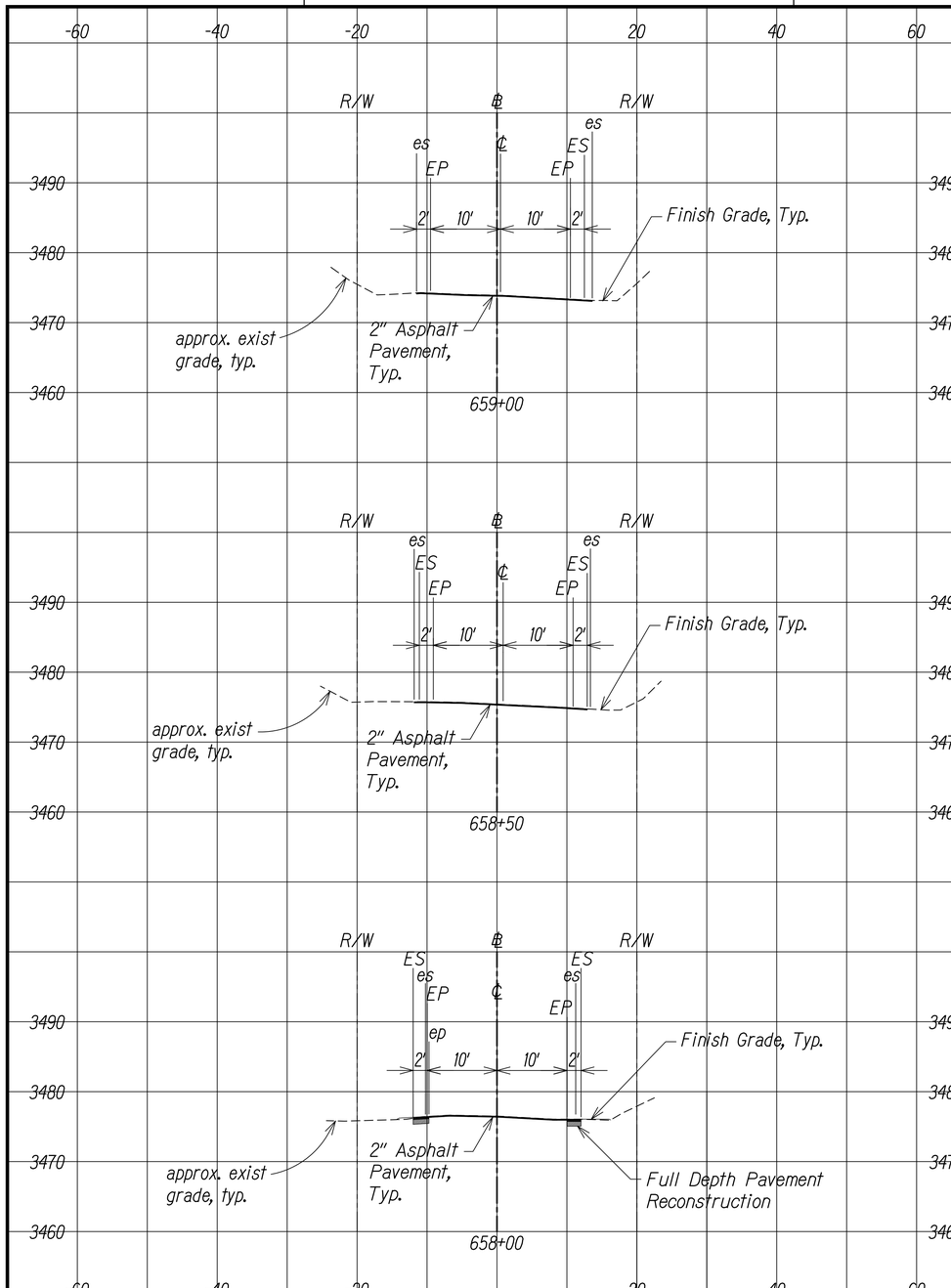
Scale: 1" = 10' Date: August 2022

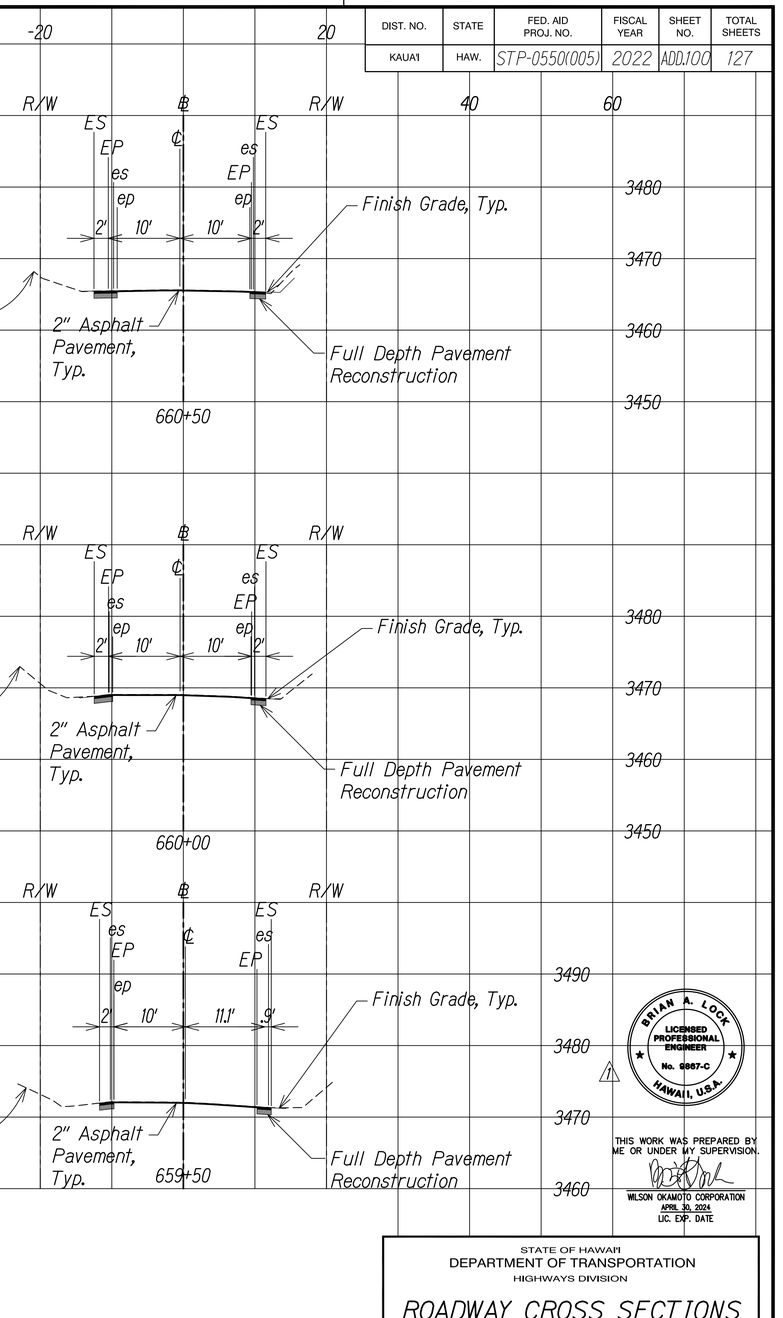
SHEET No. 19 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 99

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.100	127





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

ORIGINAL PLAN
NOTE BOOK
No.

GRAPHIC SCALE
10' 5' 0 10' 20'
SCALE: 1" = 10'

KOKEE ROAD
Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

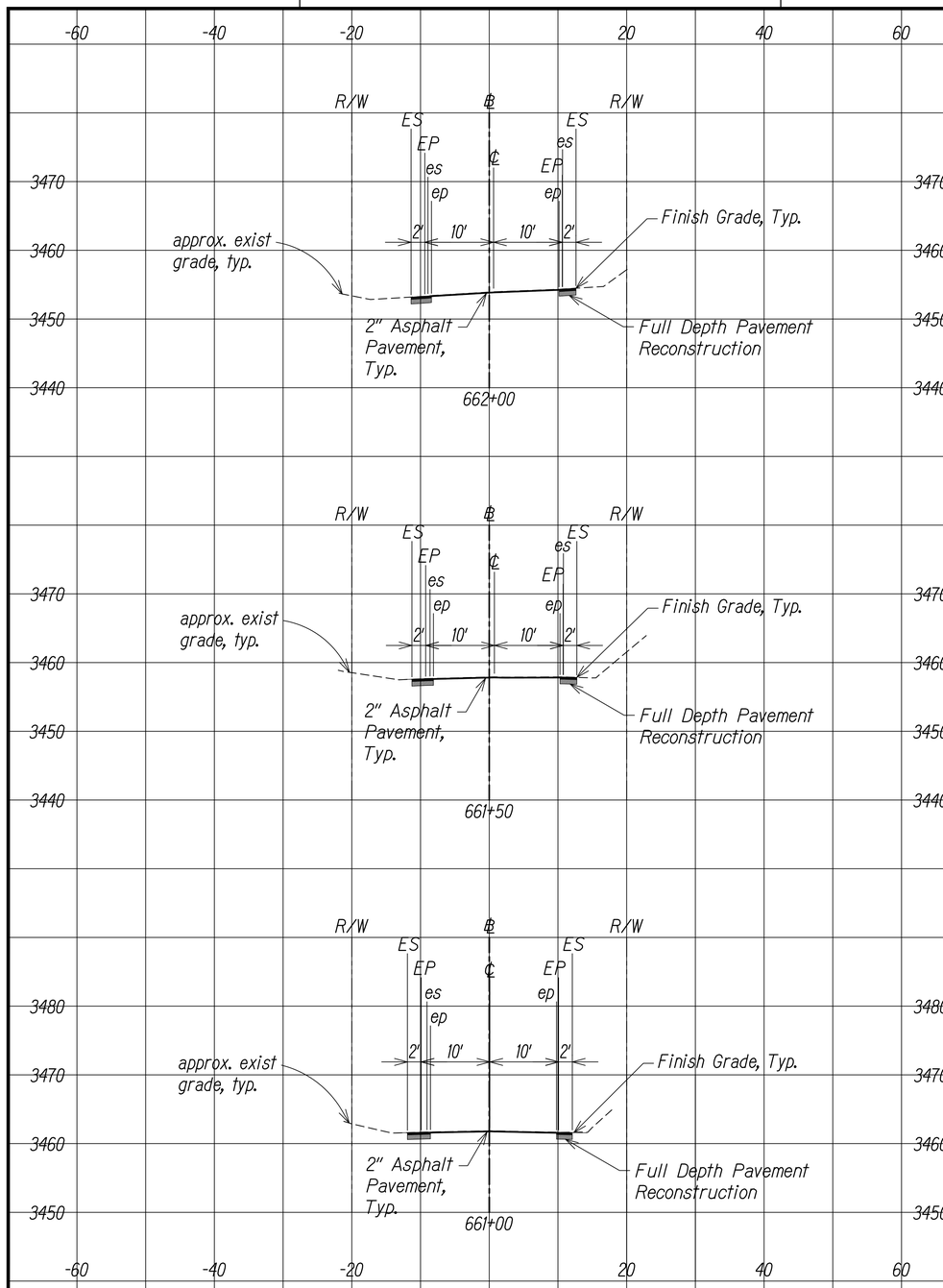
Scale: 1" = 10' Date: August 2022

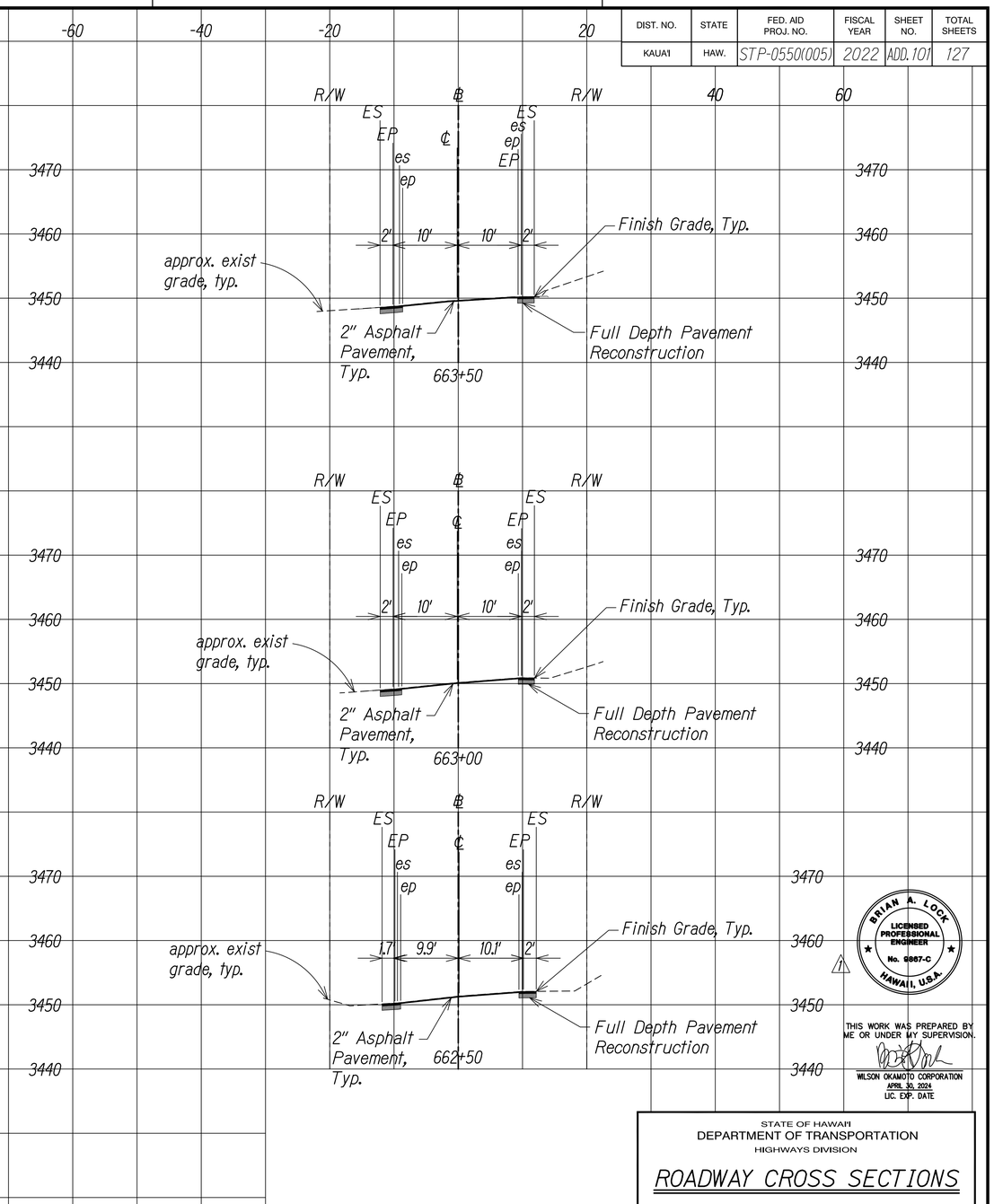
SHEET No. 20 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 100

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 101	127





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

ORIGINAL PLAN
NOTE BOOK
No.

GRAPHIC SCALE
10' 5' 0 10' 20'
SCALE: 1" = 10'

KOKEE ROAD
Scale: 1" = 10'

11/07/22 ⚠1 Revised Engineer's Stamp
DATE REVISION

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

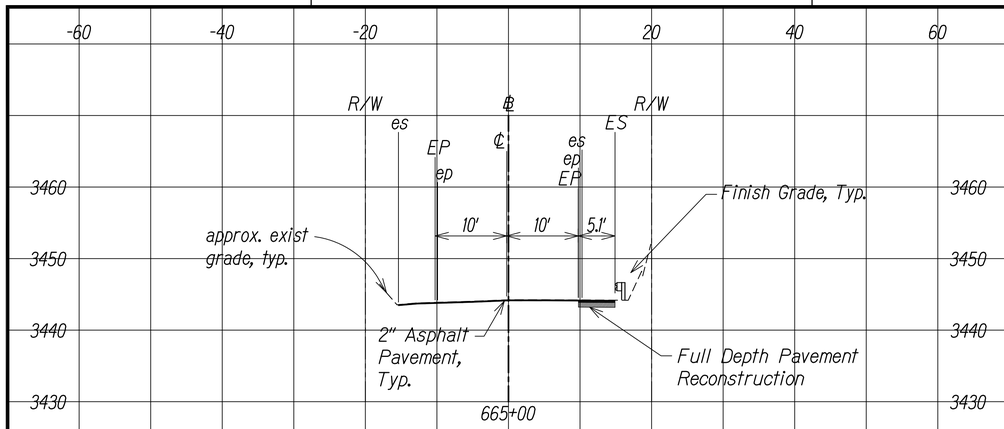
Scale: 1" = 10' Date: August 2022

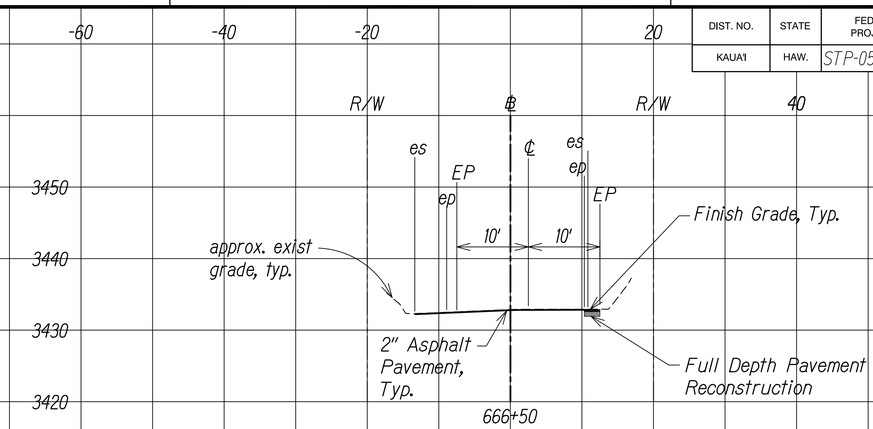
SHEET No. 21 OF 47 SHEETS

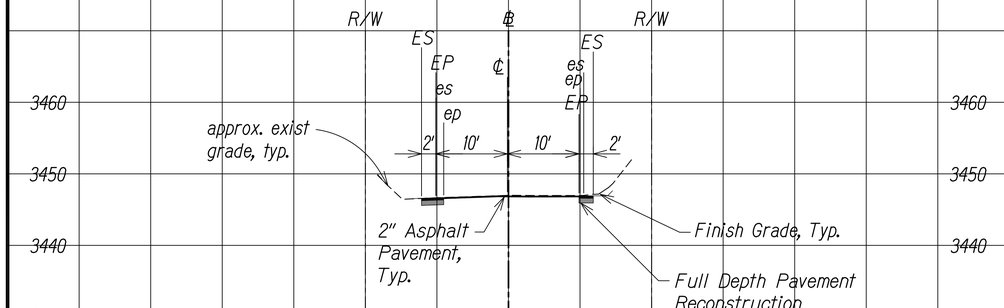
COPY OF ORIGINAL TRACING

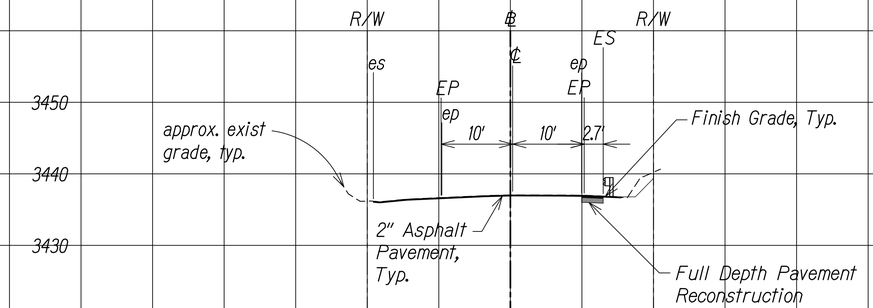
ADD 101

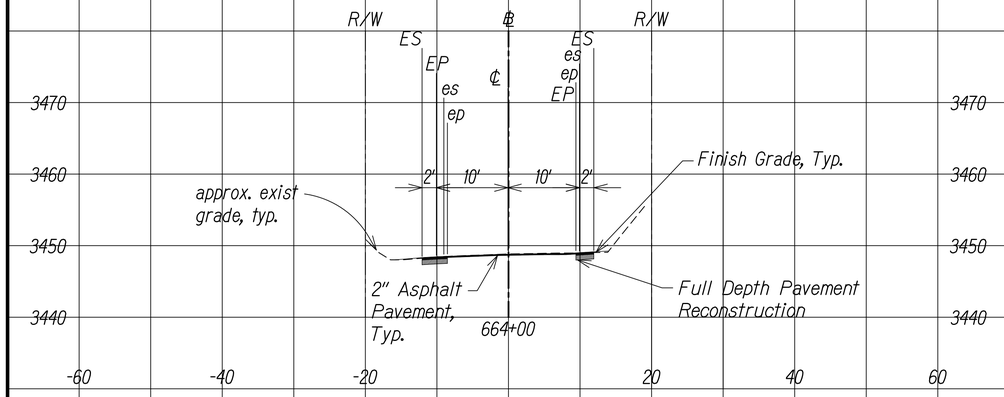
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD102	127

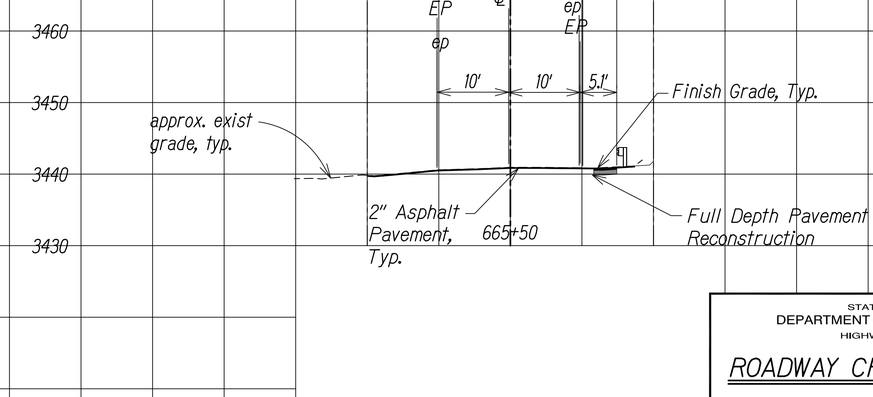












-60 -40 -20 20 40 60

GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

ORIGINAL PLAN
NOTE BOOK
No.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

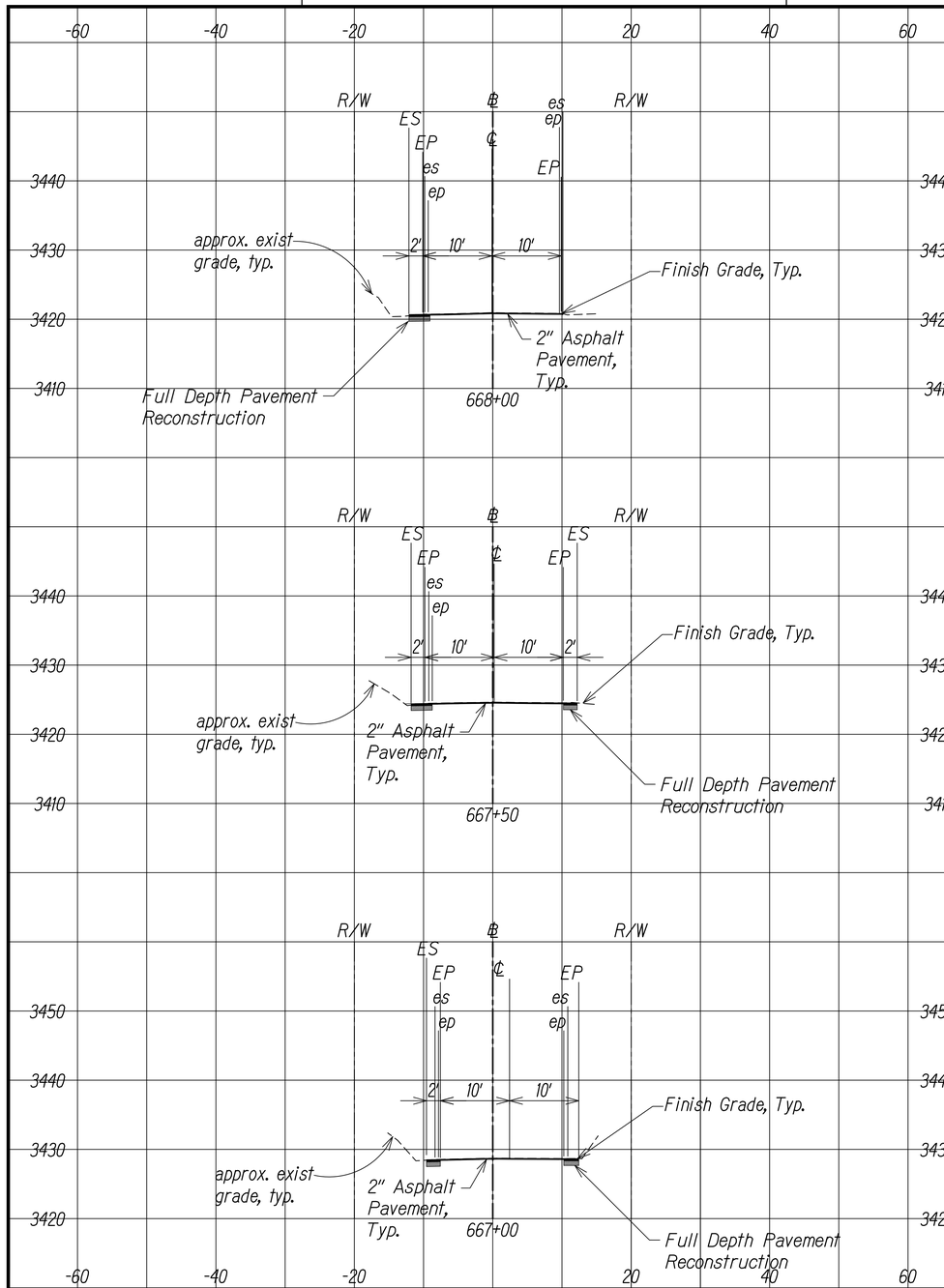
DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

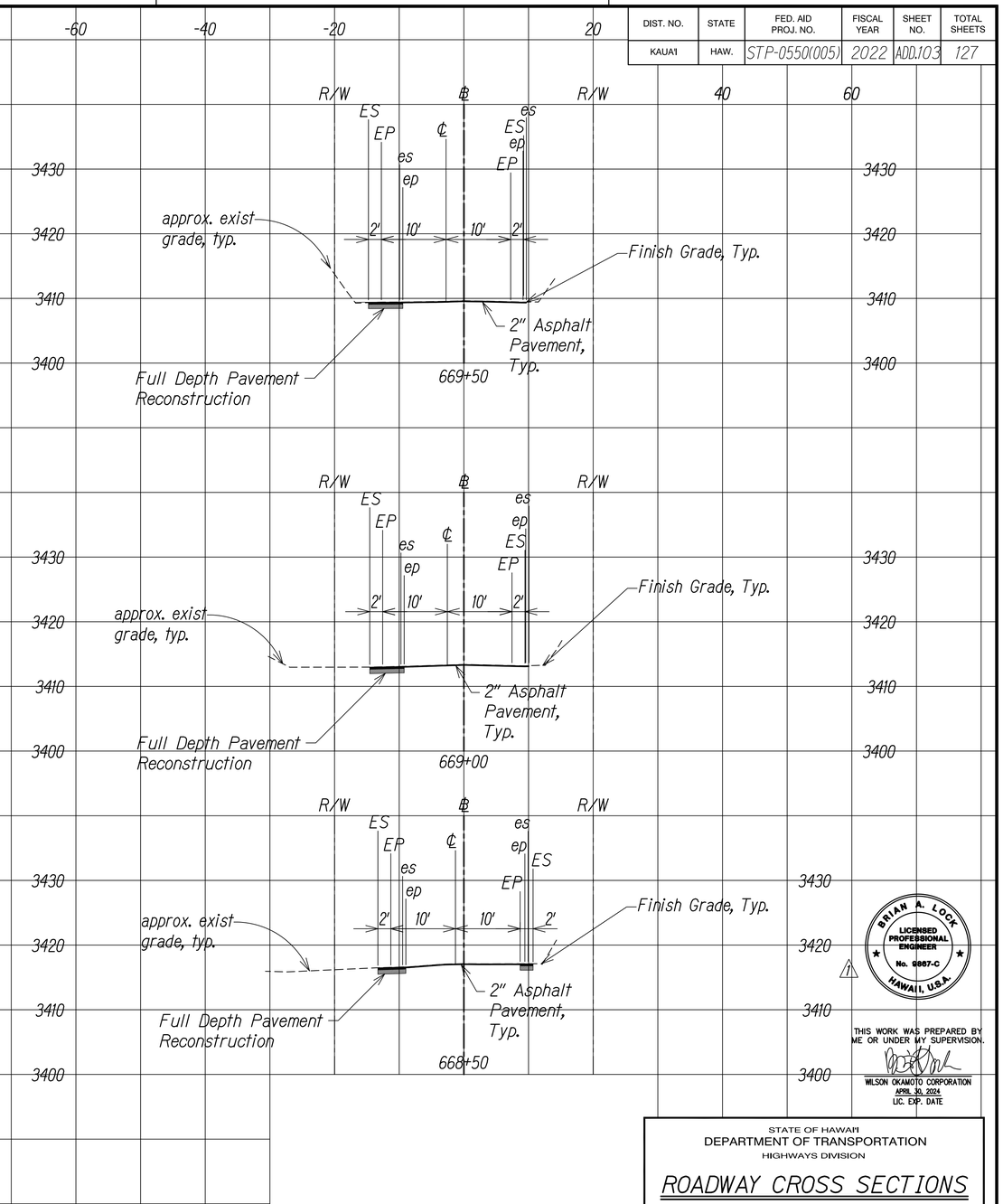
SHEET No. 22 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 102

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.103	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

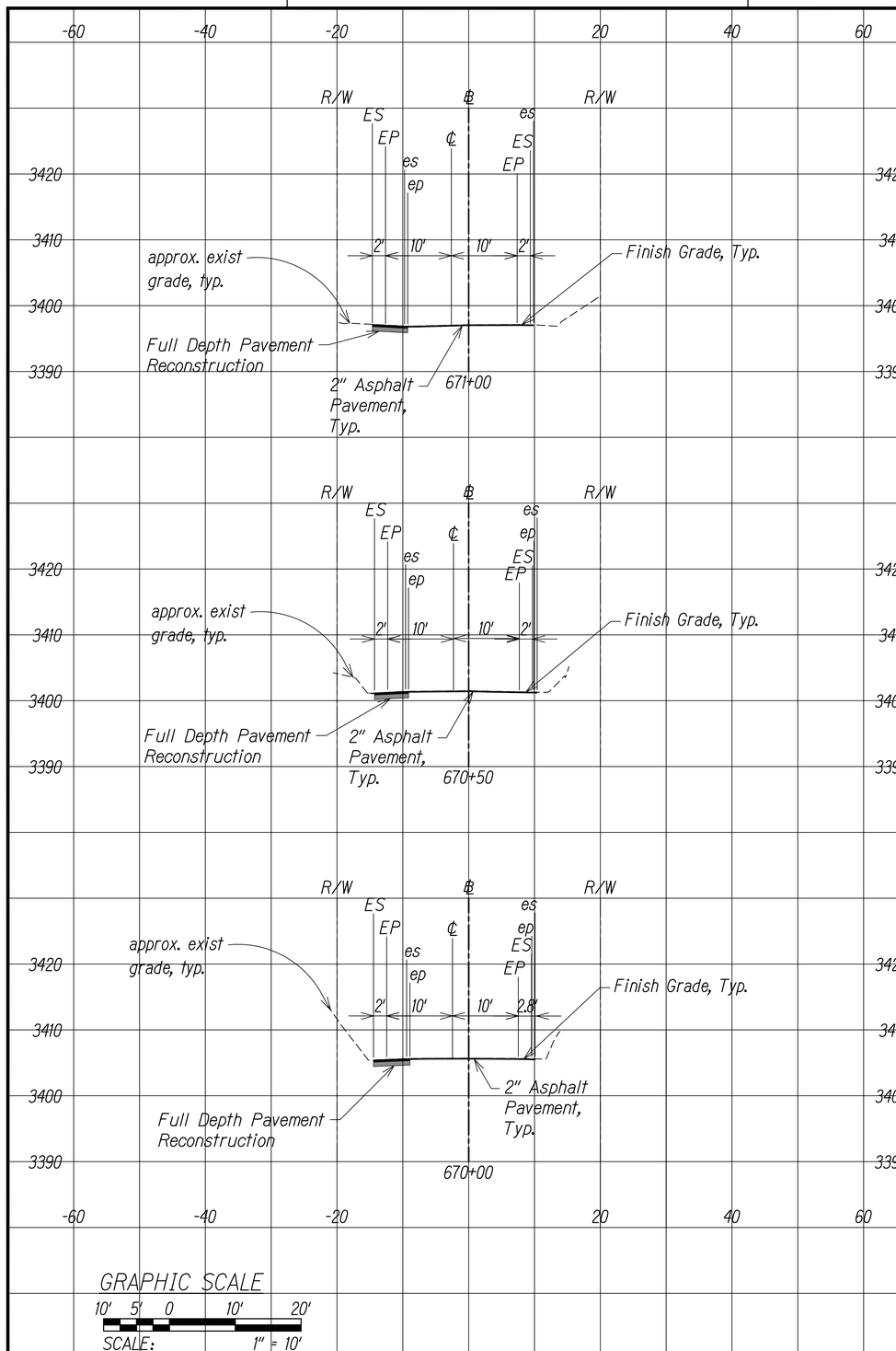
SHEET No. 23 OF 47 SHEETS

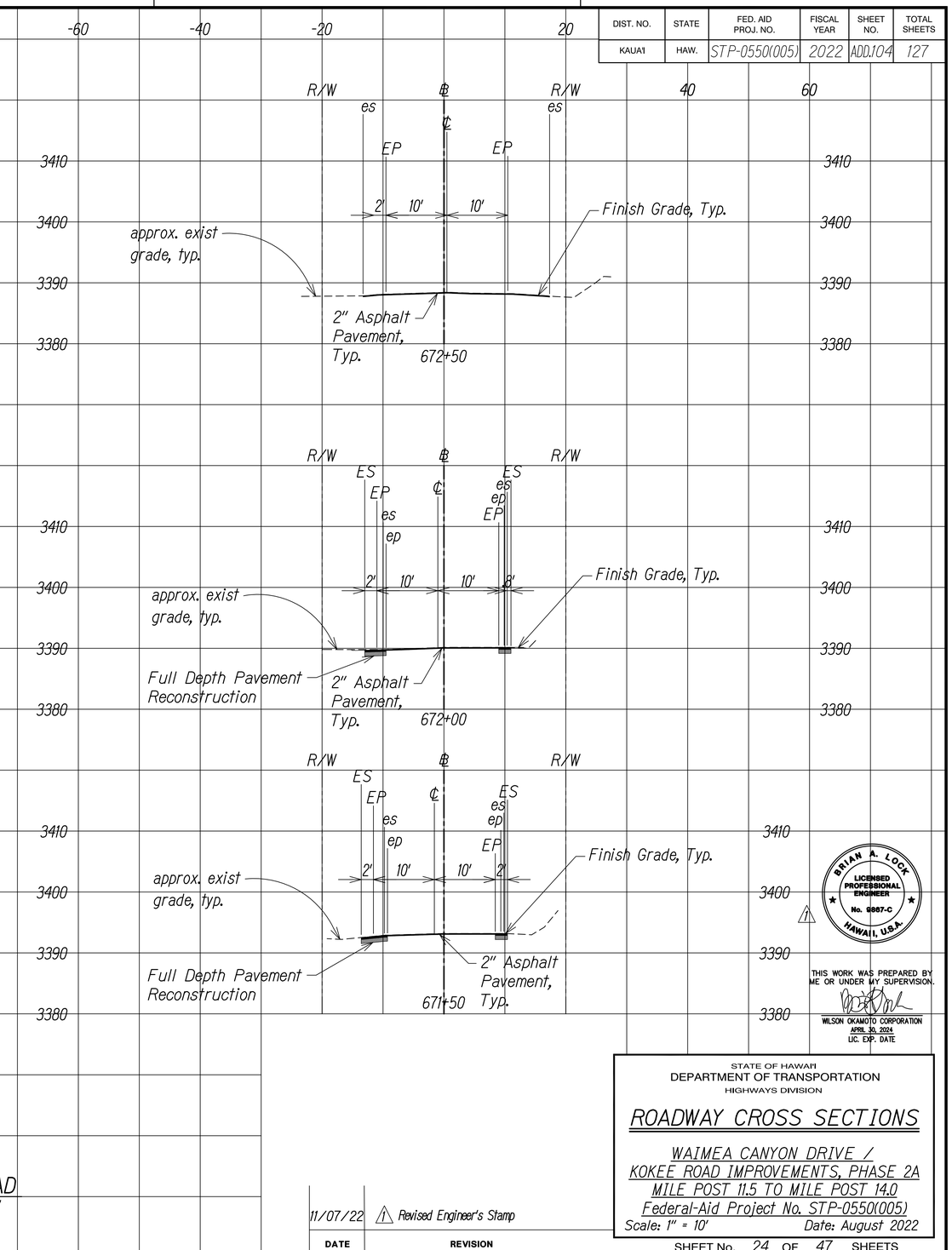
ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

COPY OF ORIGINAL TRACING

ADD 103

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.104	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

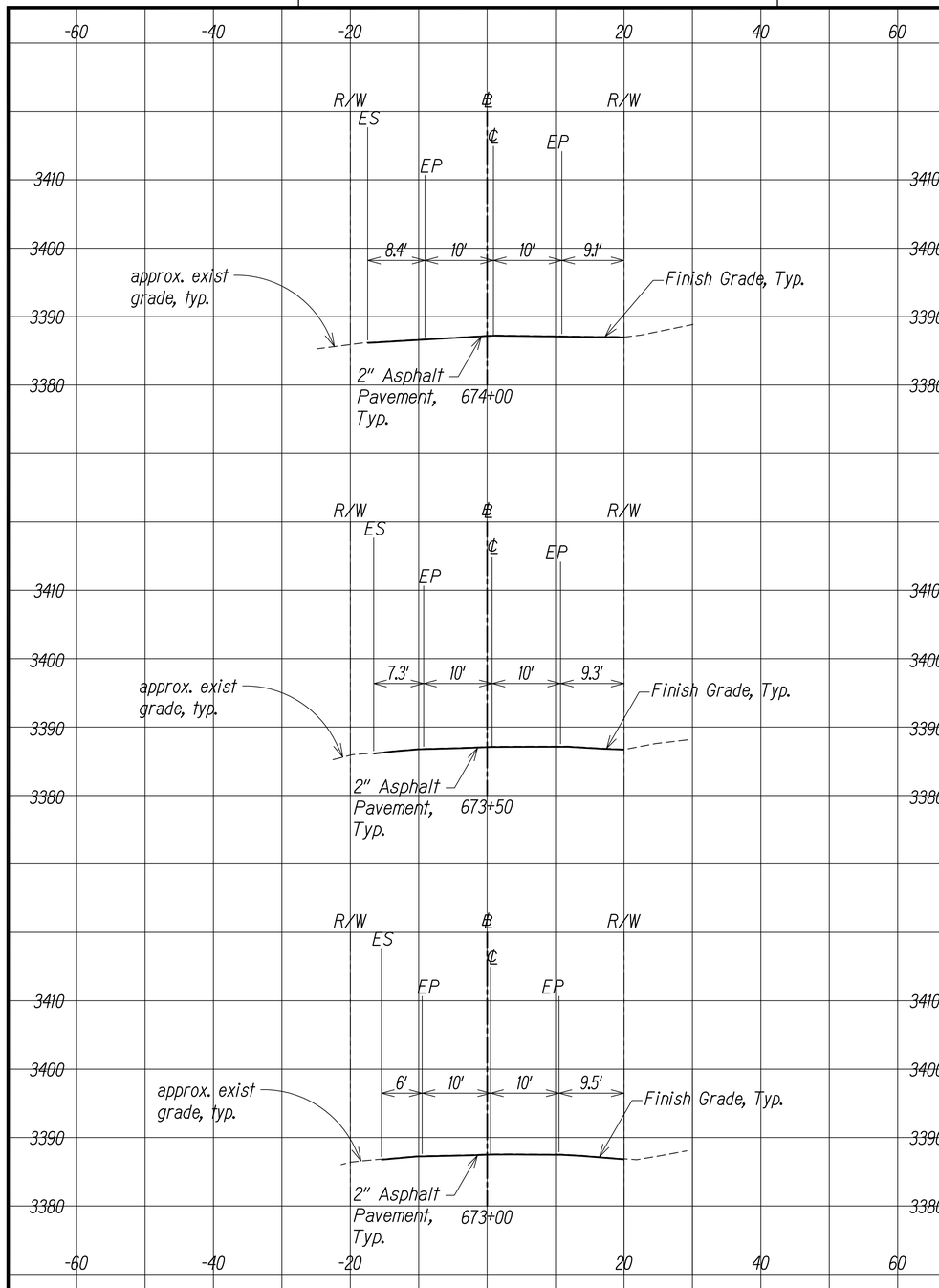
SHEET No. 24 OF 47 SHEETS

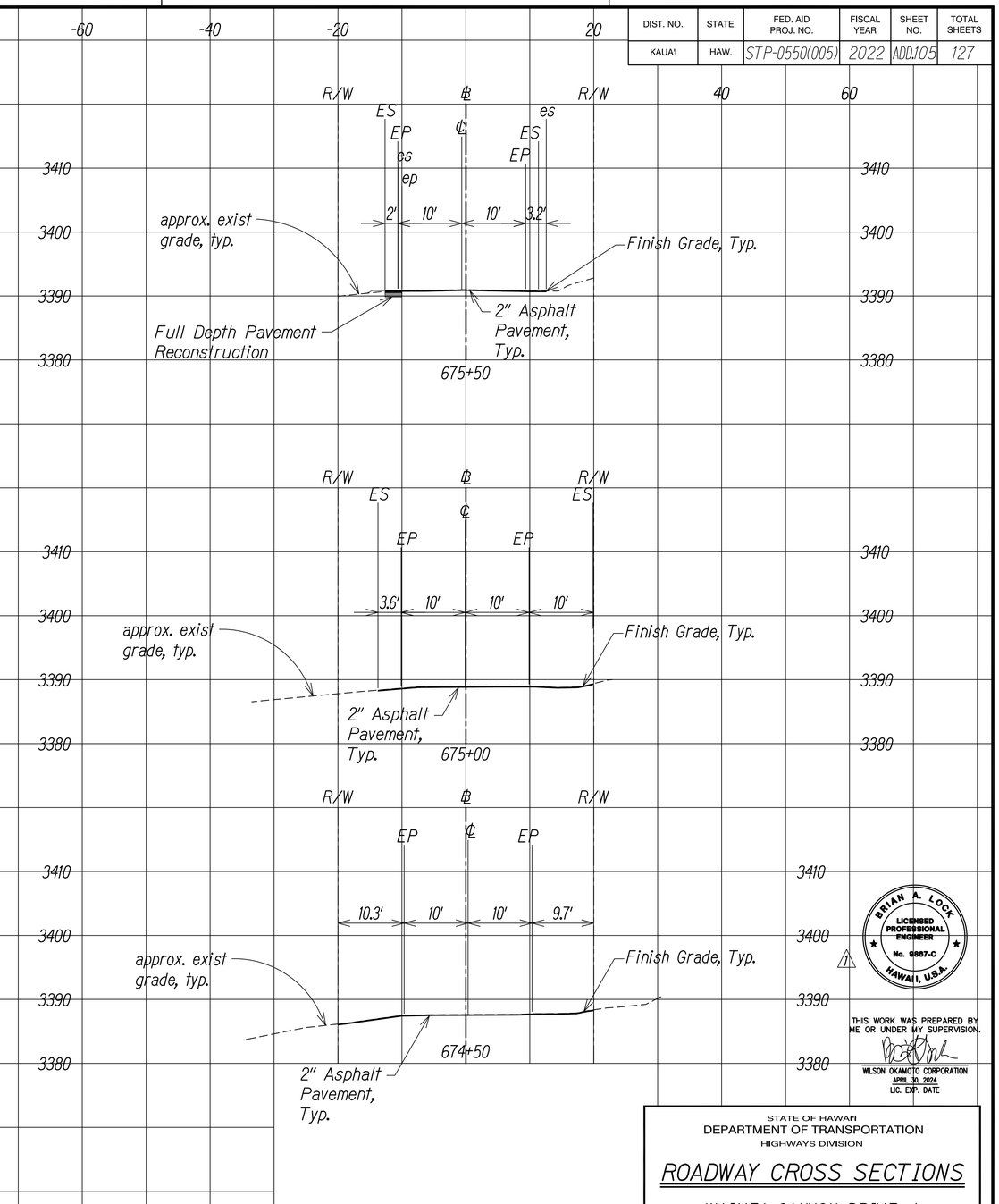
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

COPY OF ORIGINAL TRACING

ADD 104

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD105	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

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No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

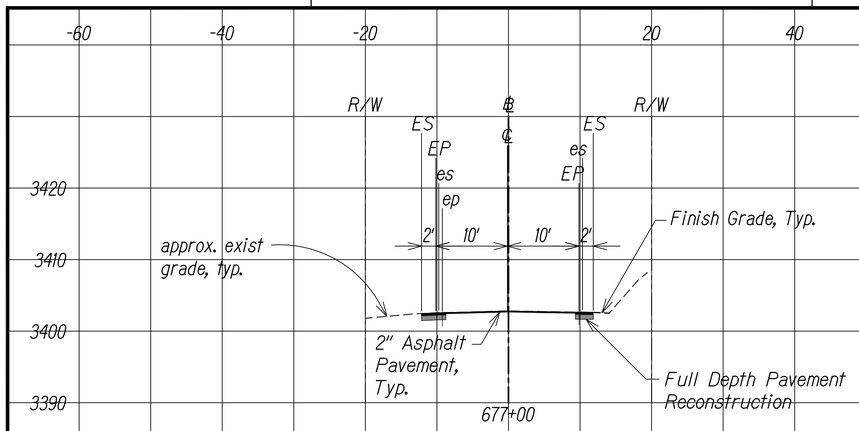
SHEET No. 25 OF 47 SHEETS

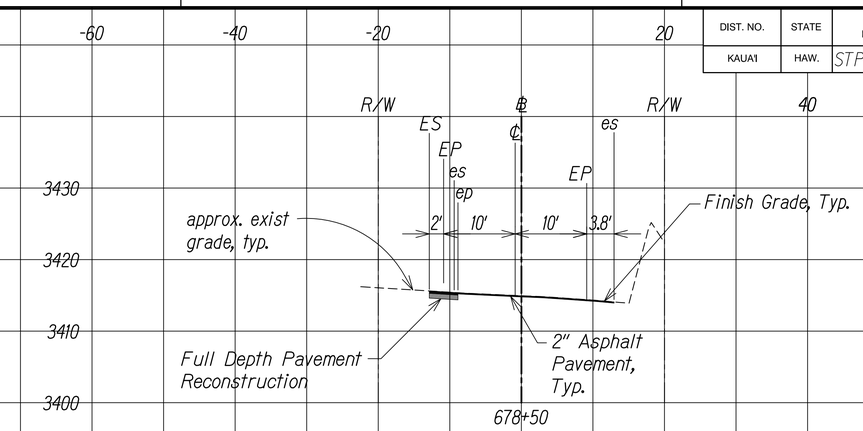
ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

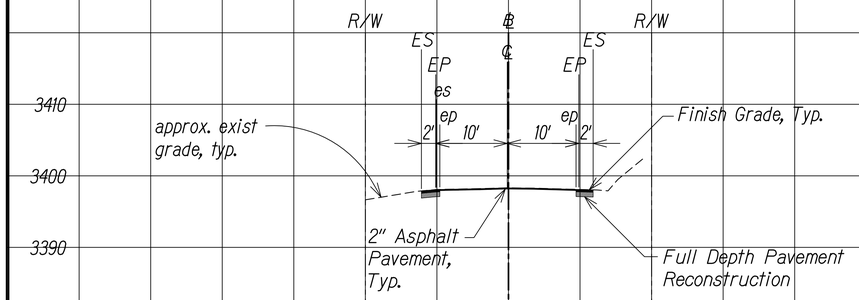
COPY OF ORIGINAL TRACING

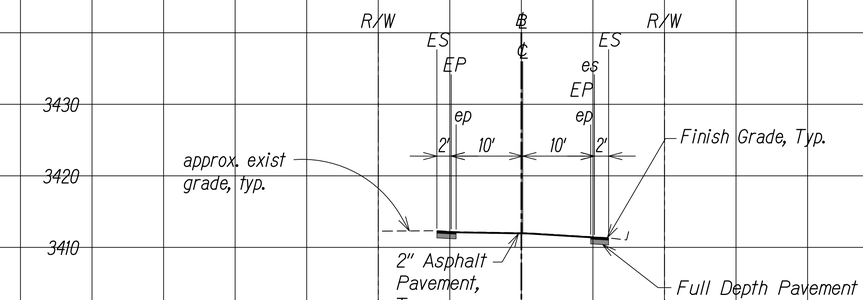
ADD 105

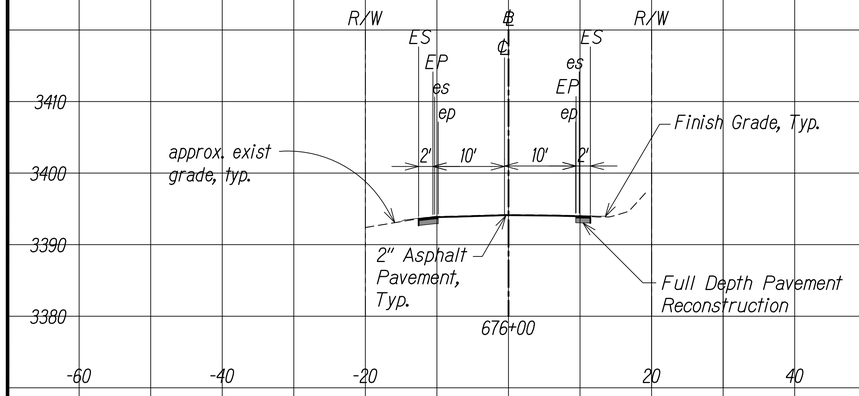
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.106	127

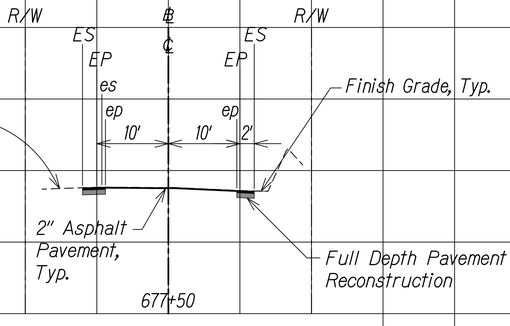












-60 -40 -20 20 40 60

GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

SHEET No. 26 OF 47 SHEETS

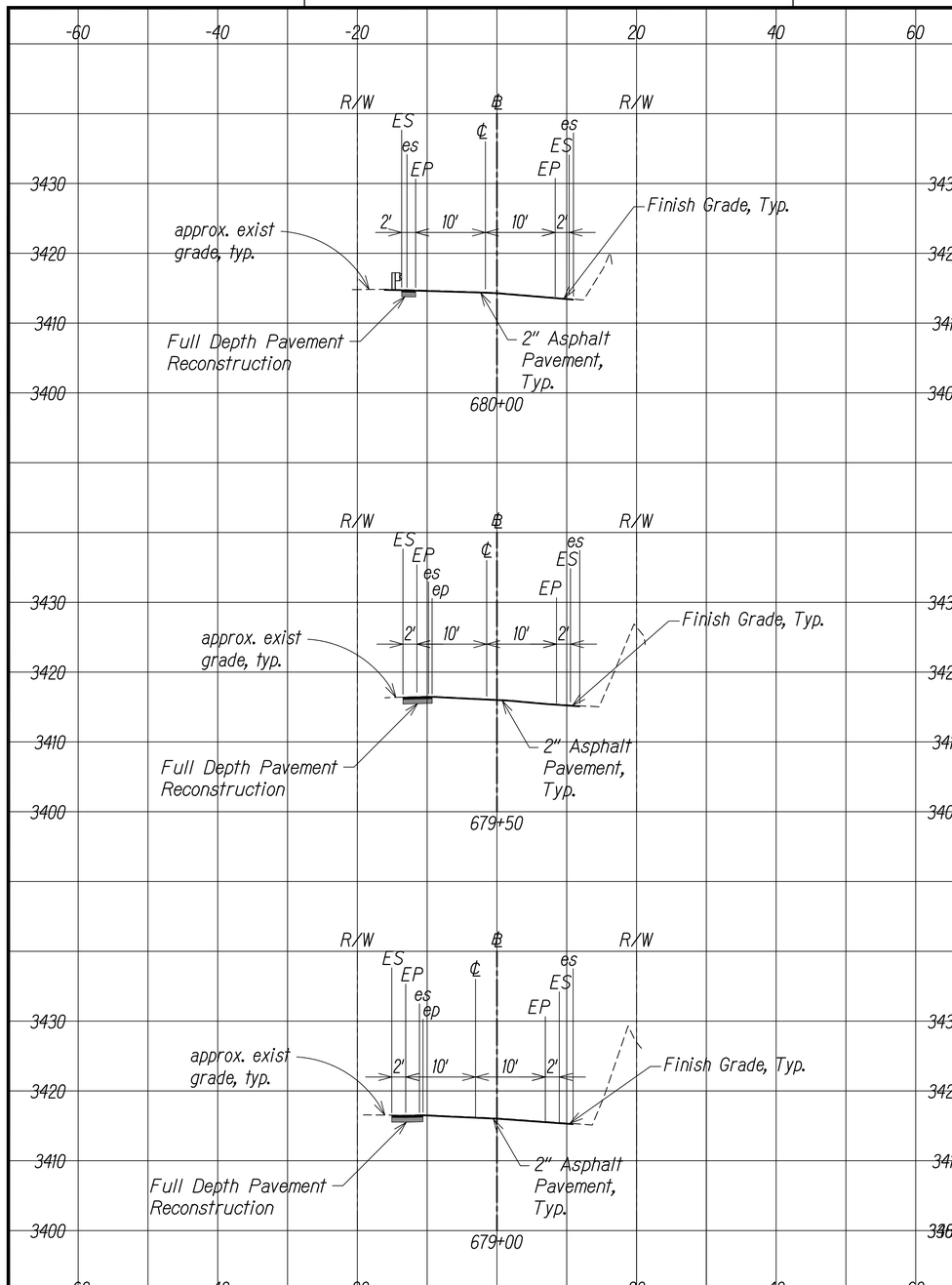
ORIGINAL PLAN
NOTE BOOK
No.

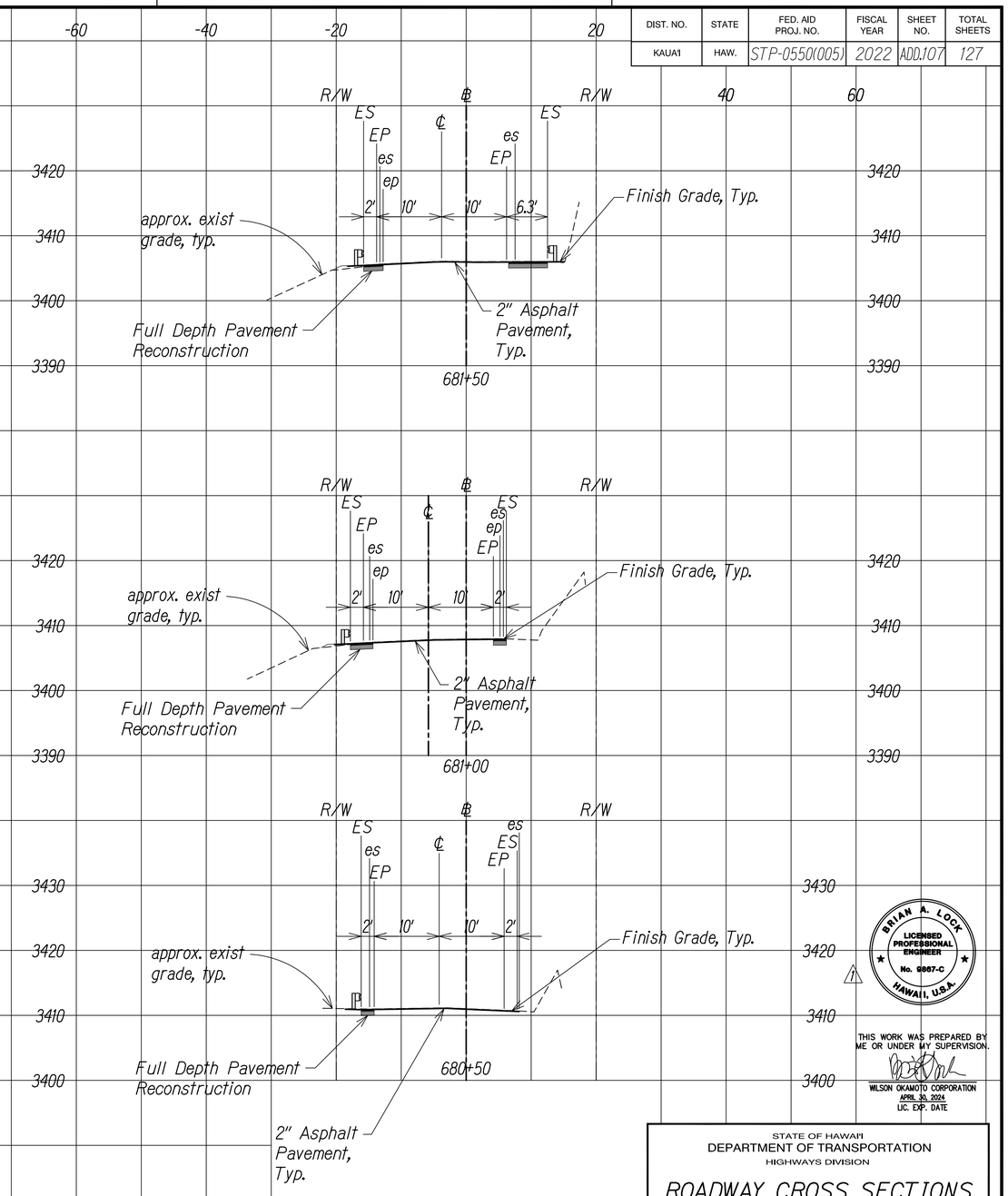
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

COPY OF ORIGINAL TRACING

ADD 106

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.107	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

ORIGINAL PLAN
NOTE BOOK
No.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

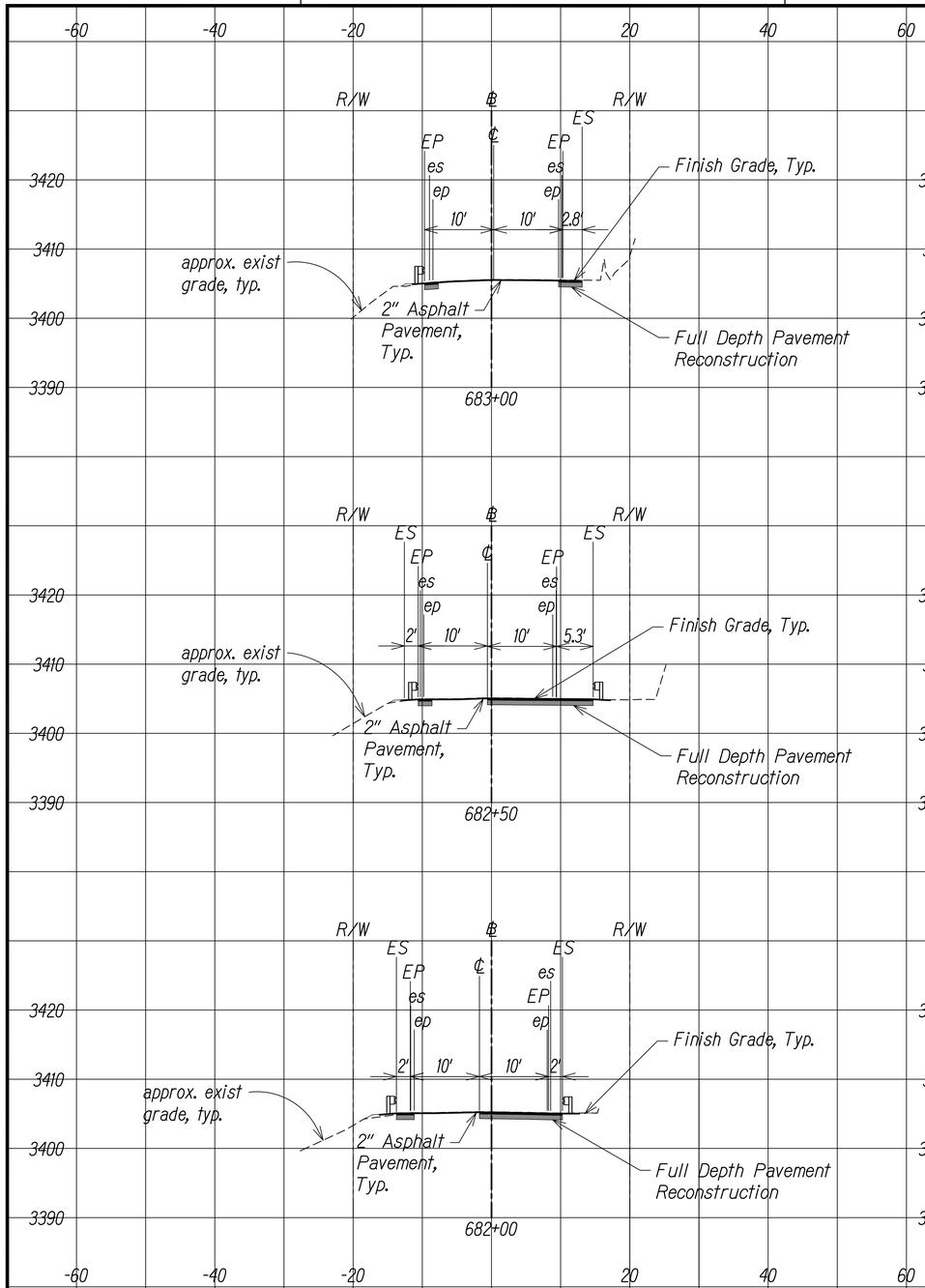
DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

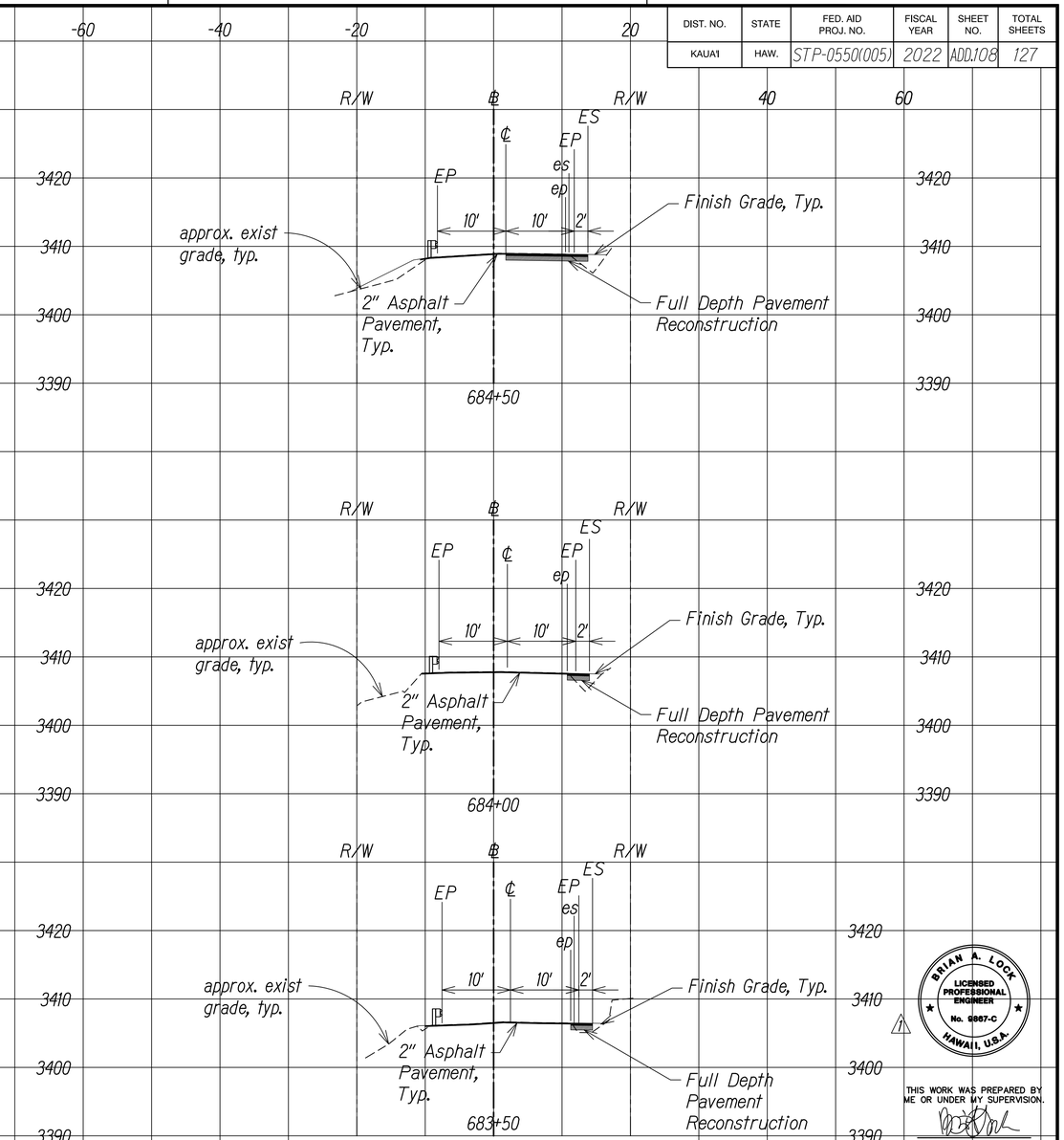
SHEET No. 27 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 107

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.108	127





GRAPHIC SCALE
10' 5' 0 10' 20'
SCALE: 1" = 10'

KOKEE ROAD
Scale: 1" = 10'

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

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

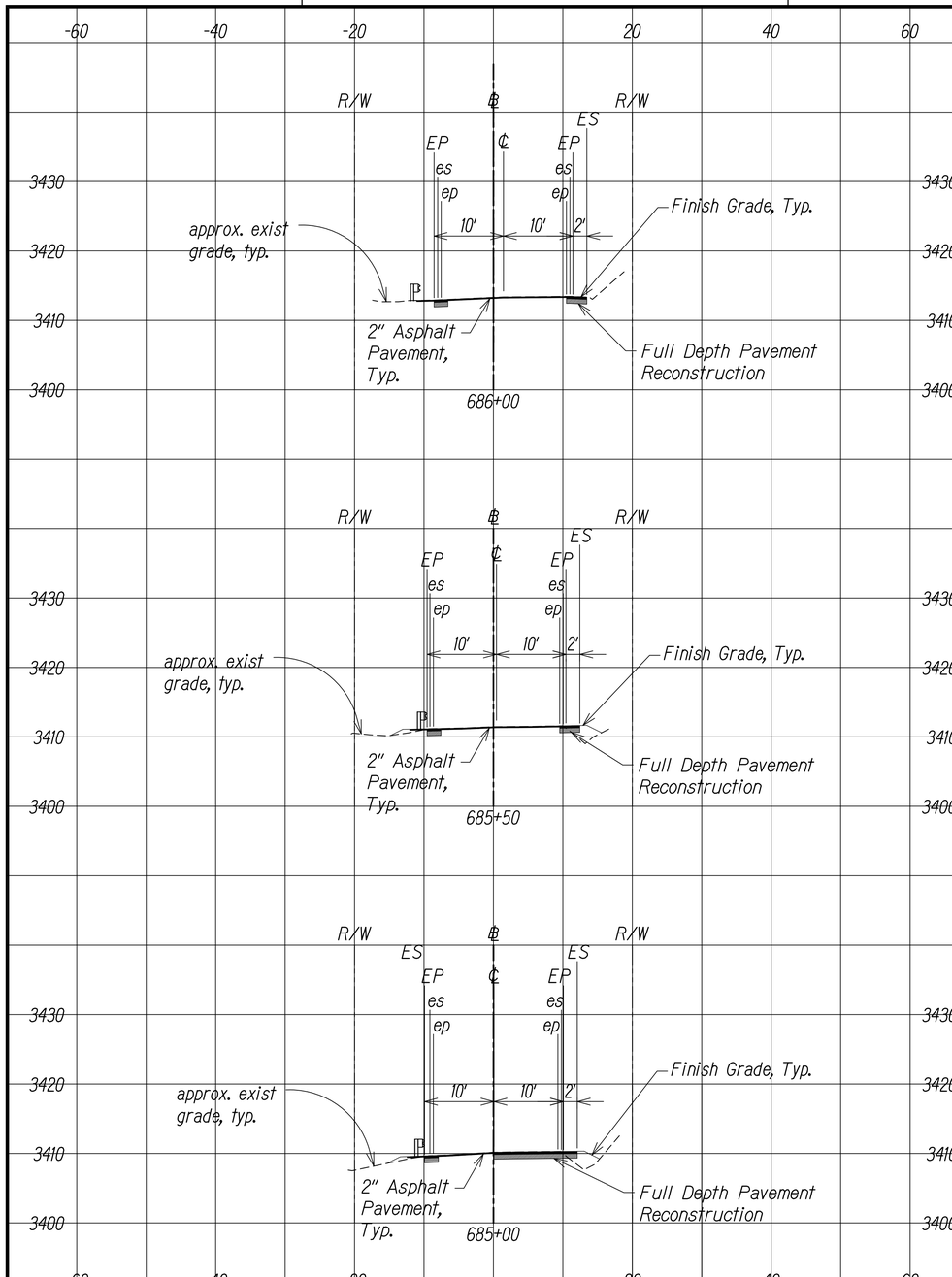
Scale: 1" = 10' Date: August 2022

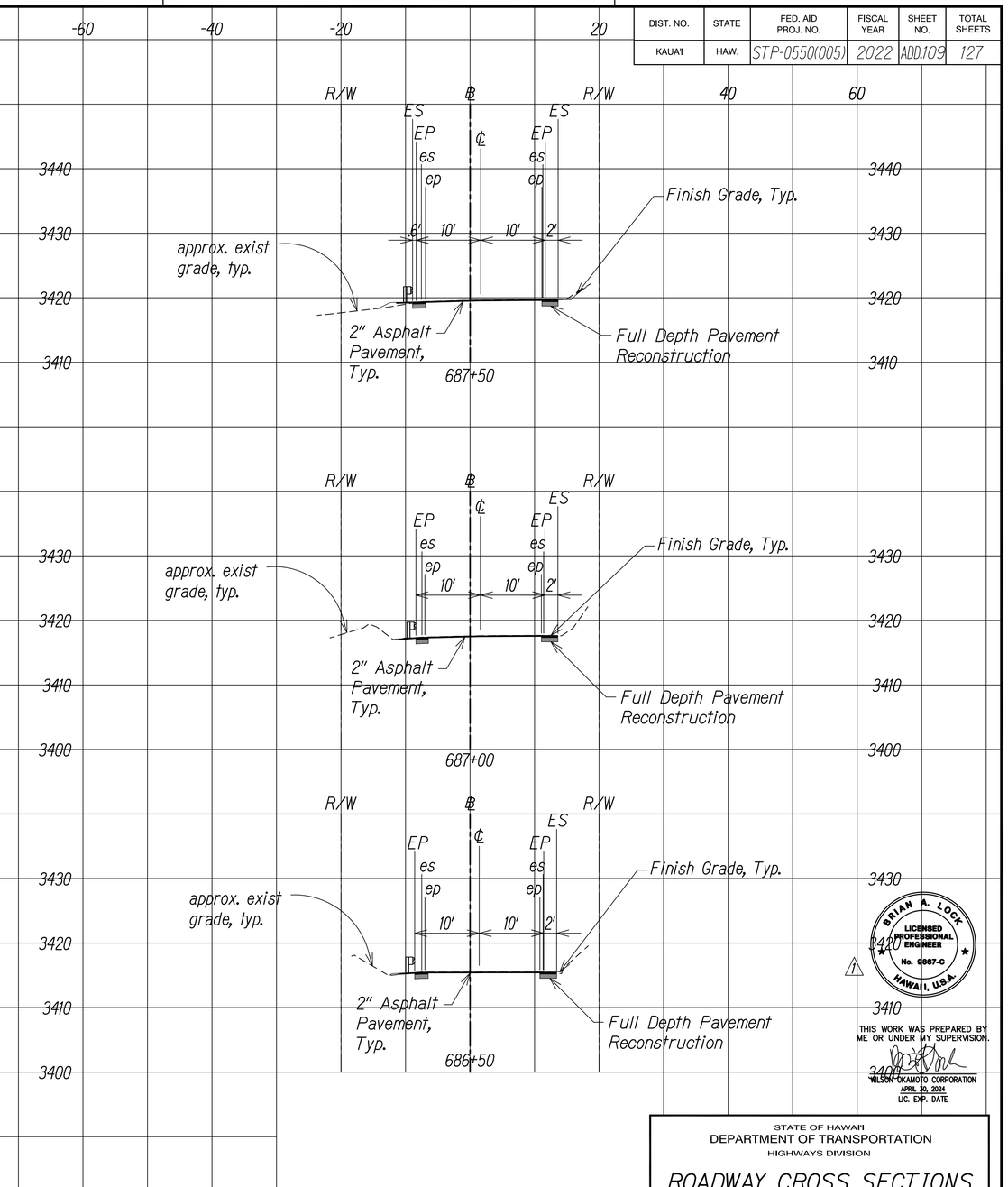
SHEET No. 28 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 108

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.109	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION

APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

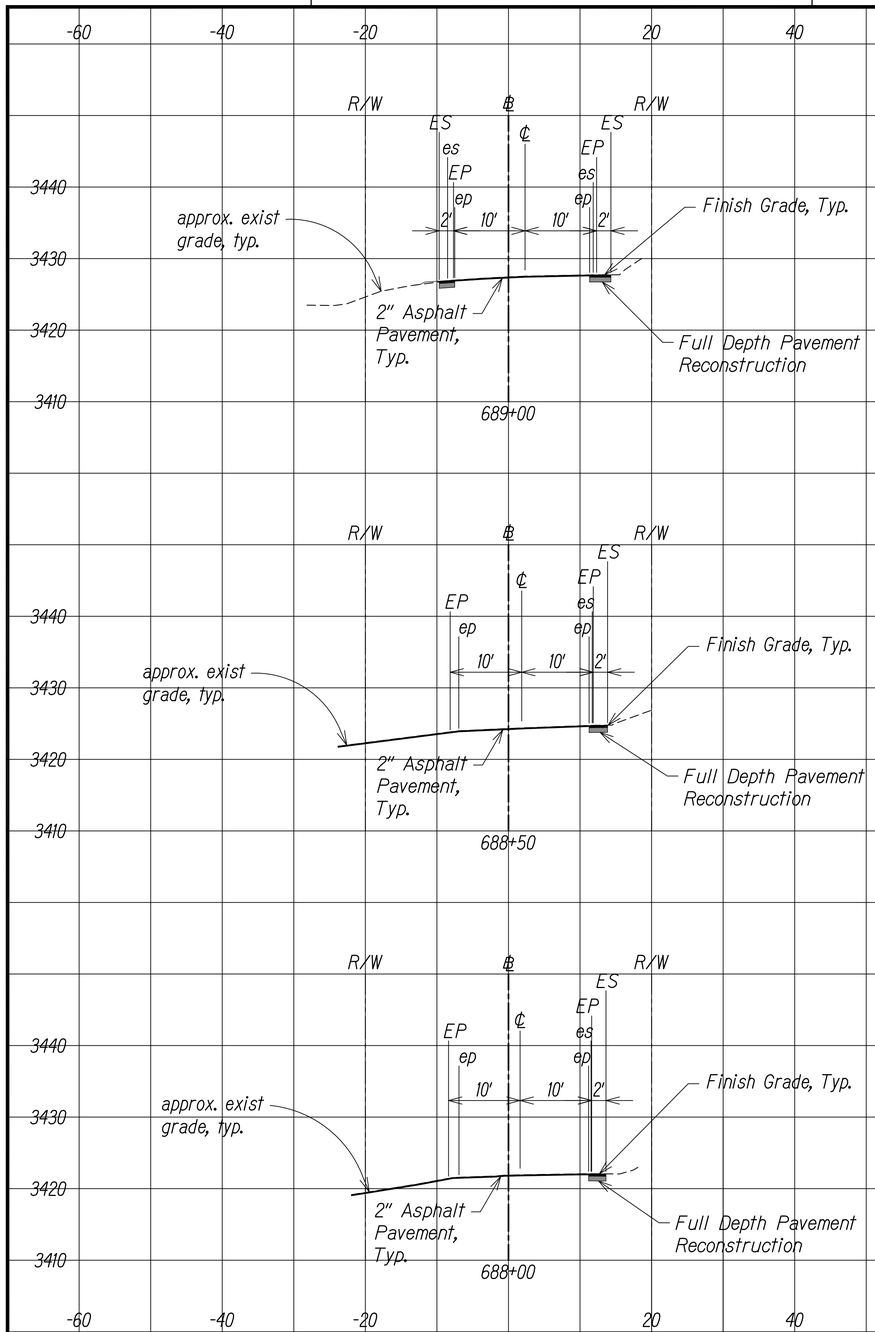
Scale: 1" = 10' Date: August 2022

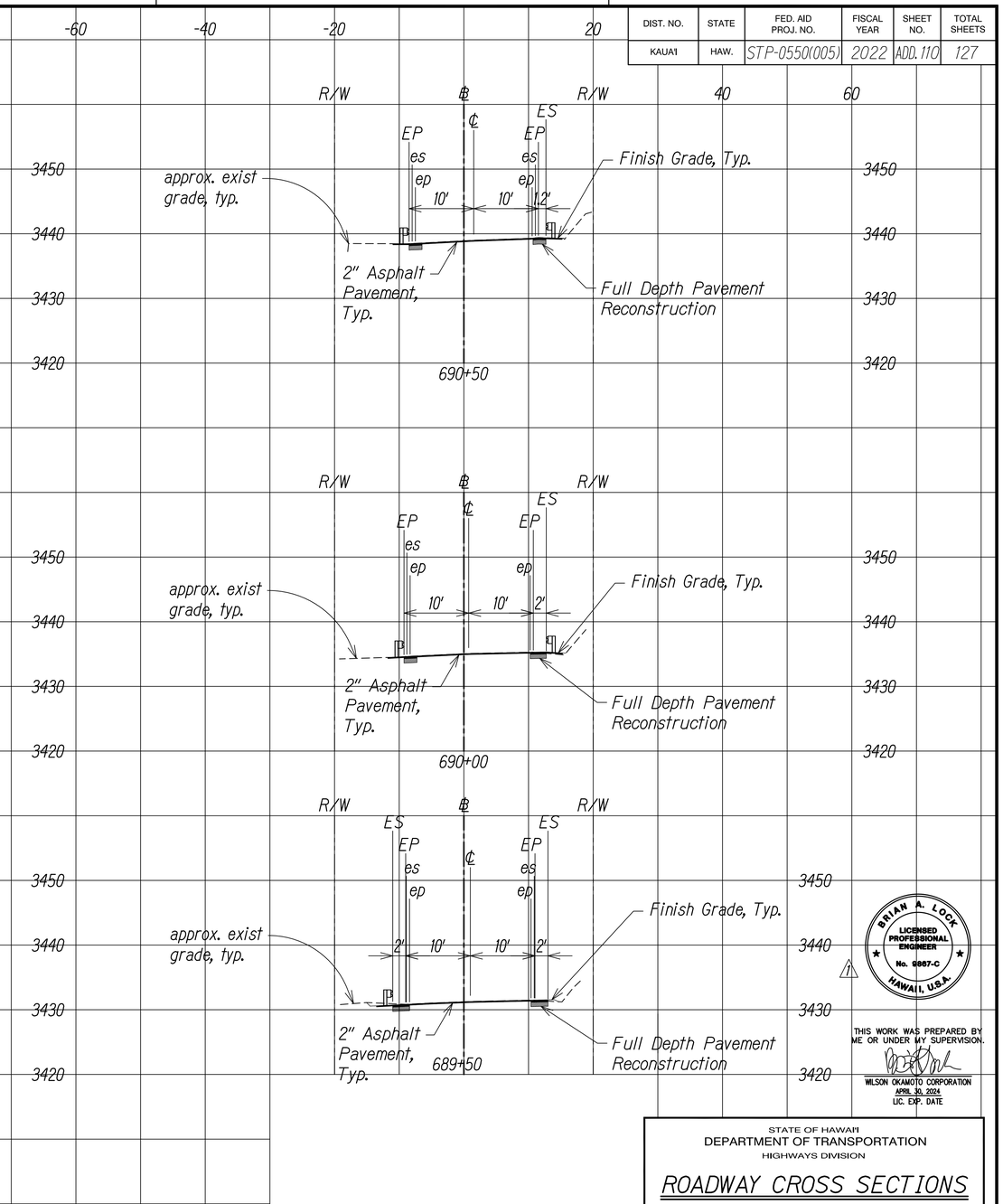
SHEET No. 29 OF 47 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 109





DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 110	127

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

GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6987-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

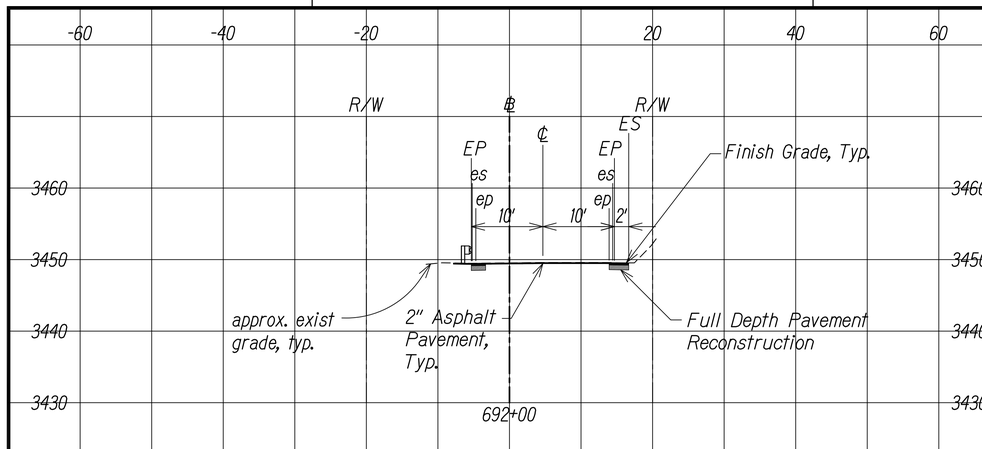
Scale: 1" = 10' Date: August 2022

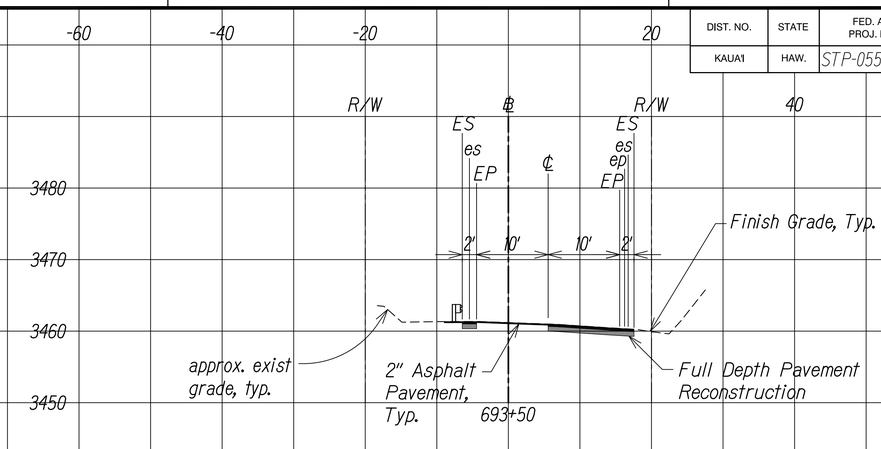
SHEET No. 30 OF 47 SHEETS

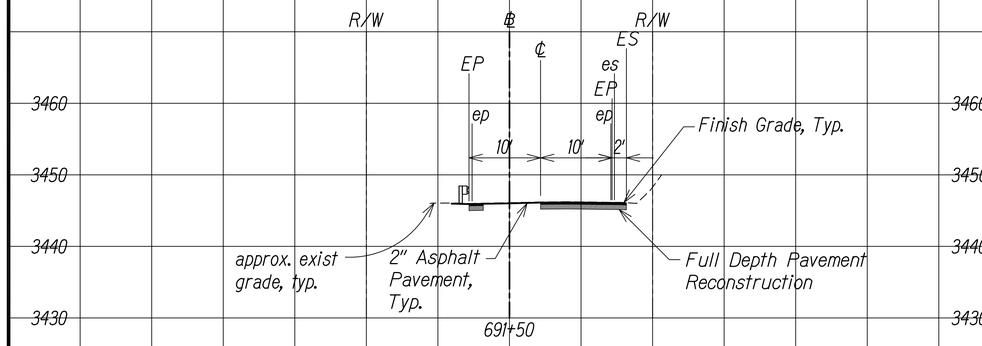
COPY OF ORIGINAL TRACING

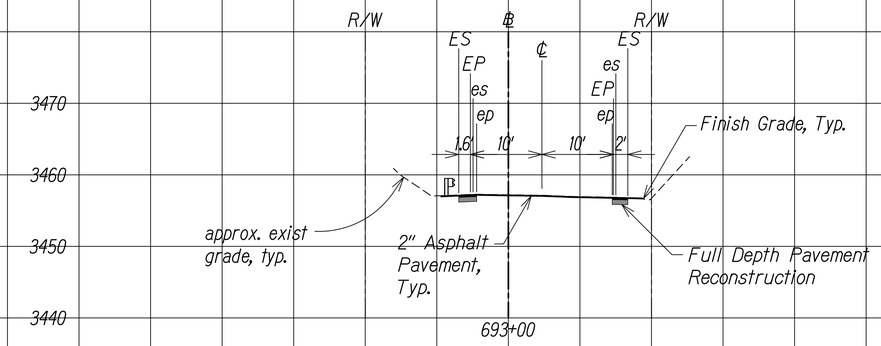
ADD 110

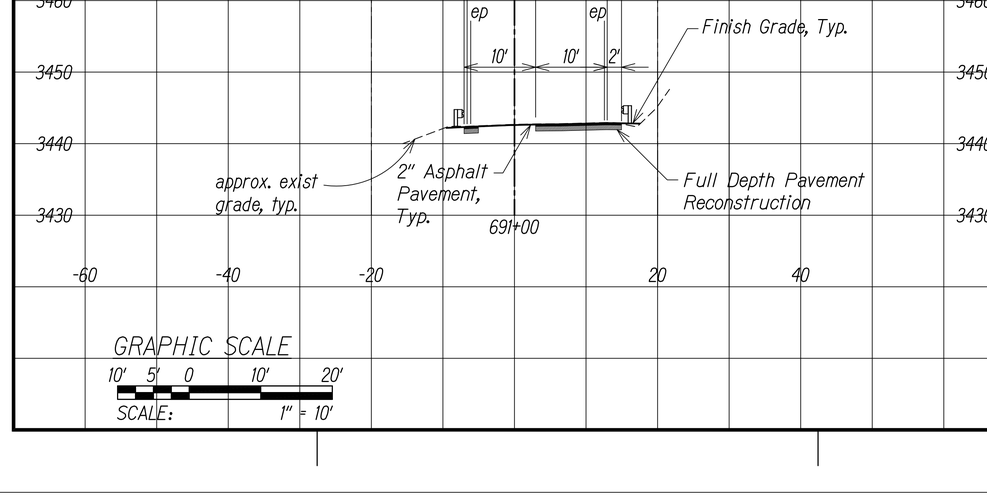
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 111	127

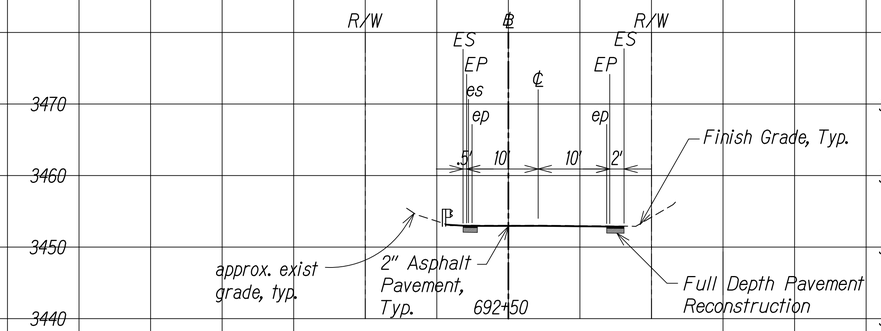












GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

ORIGINAL PLAN
NOTE BOOK
No.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

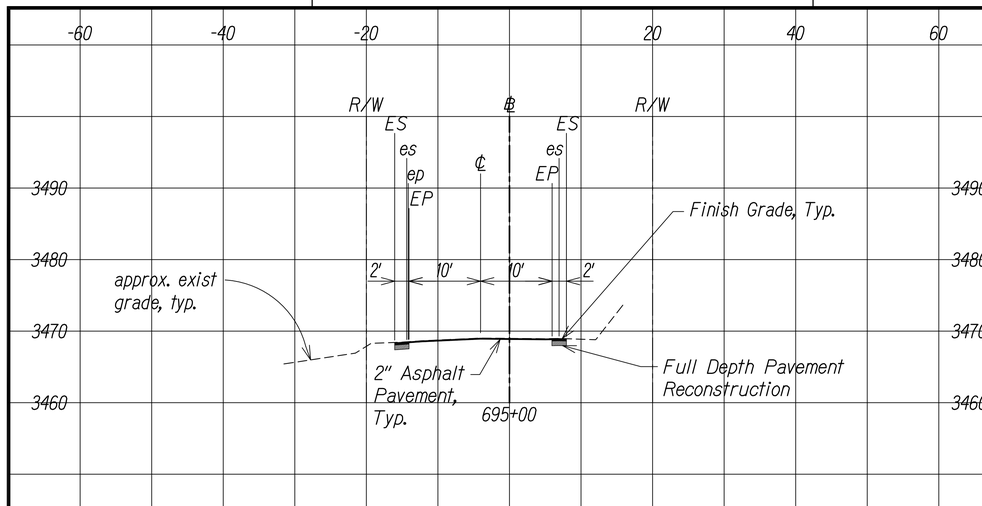
DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

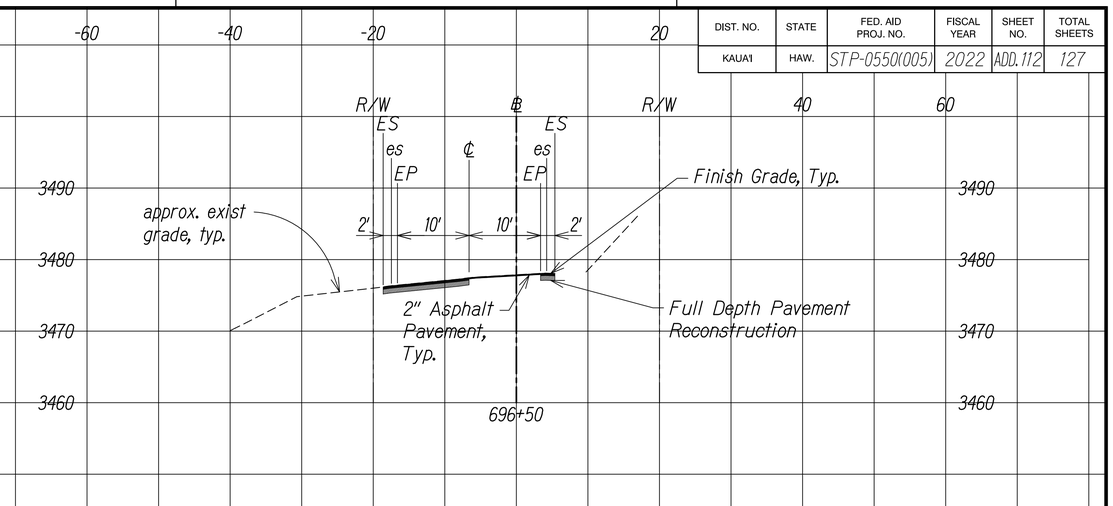
SHEET No. 31 OF 47 SHEETS

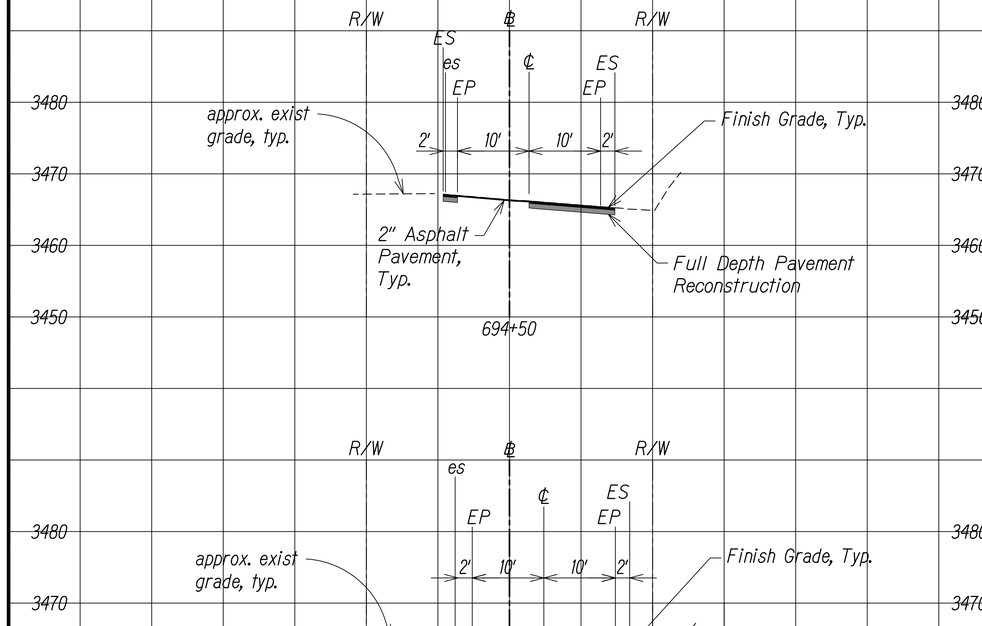
COPY OF ORIGINAL TRACING

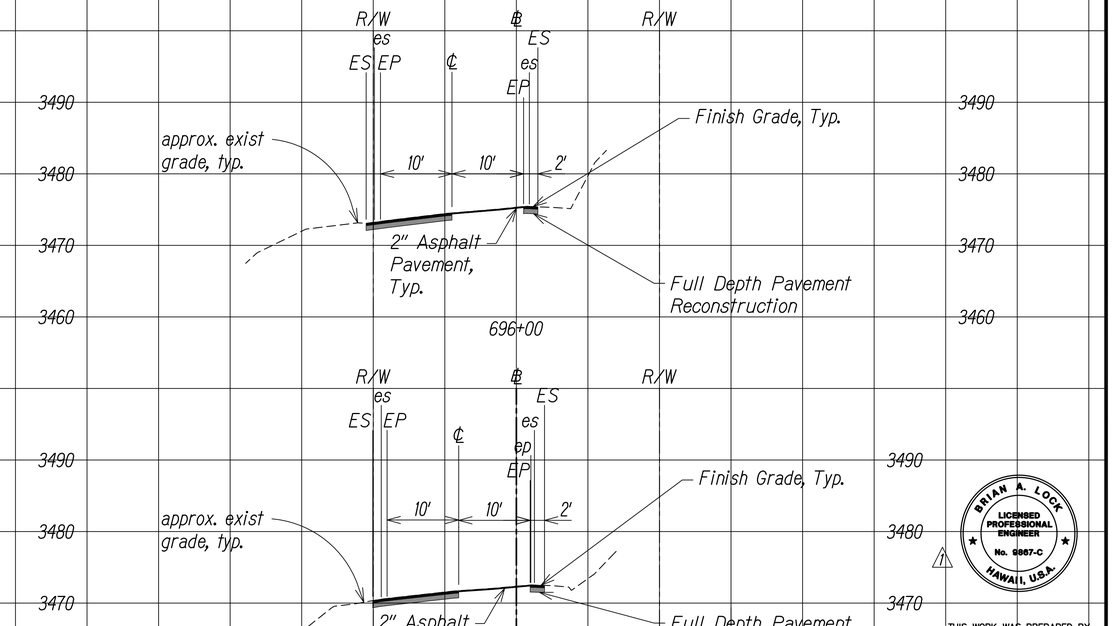
ADD 111

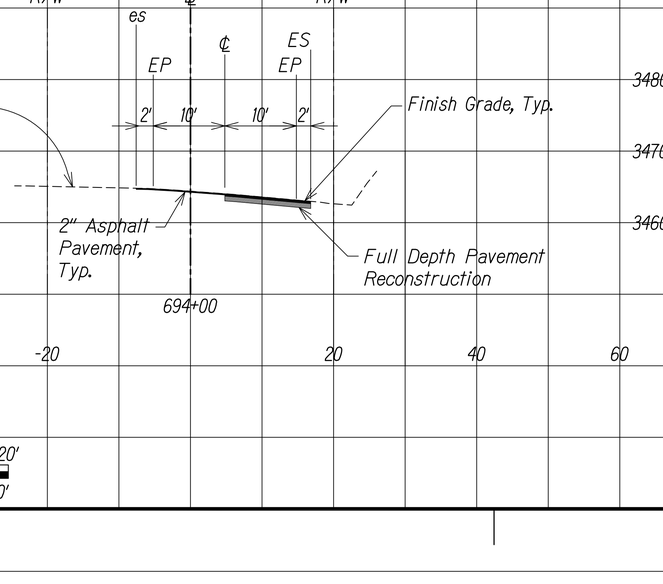
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 112	127











-60 -40 -20 20 40 60

GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

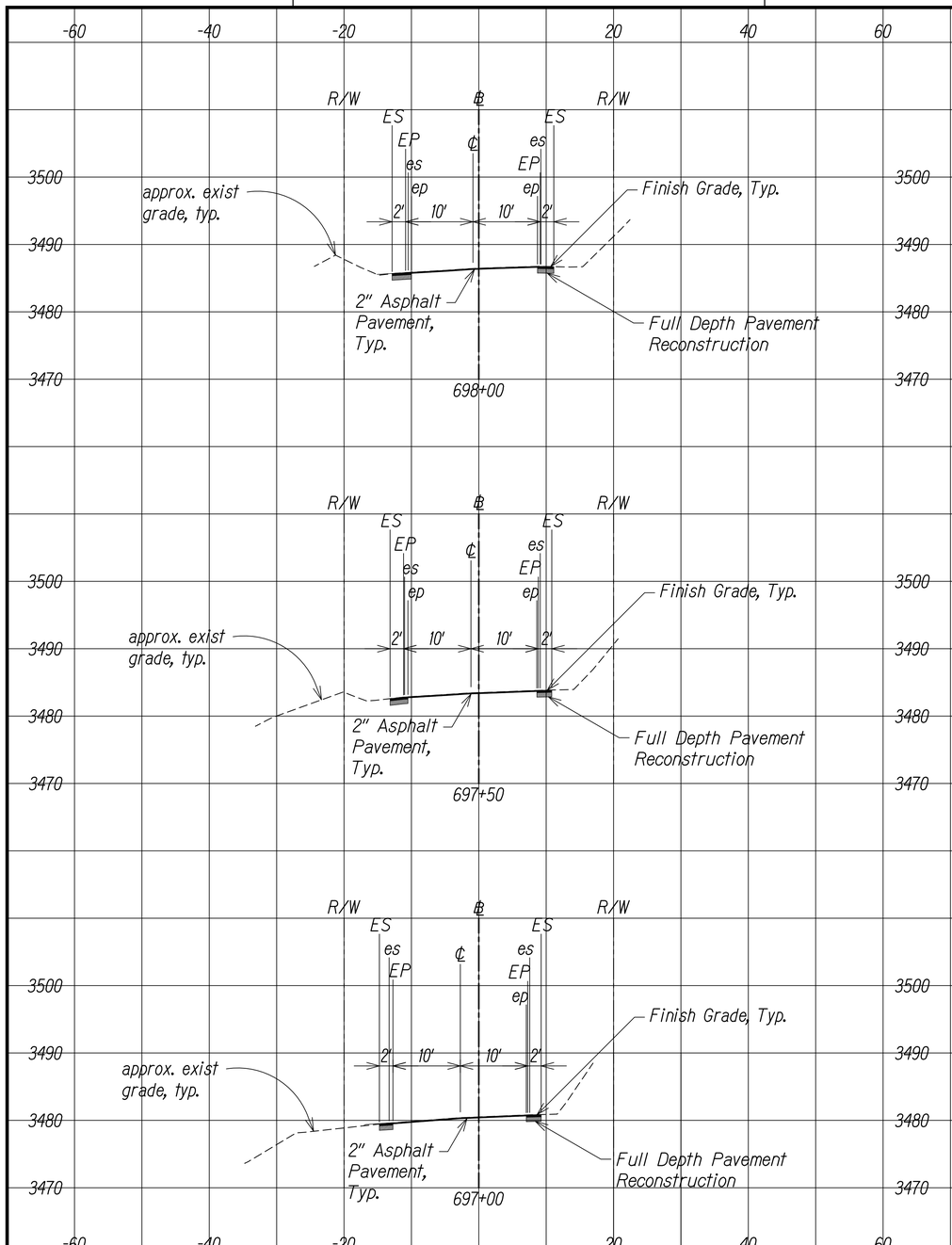
SHEET No. 32 OF 47 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 112

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 113	127



GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

ORIGINAL PLAN | NOTE BOOK

SURVEY PLOTTED BY _____ DATE

DRAWN BY _____

TRACED BY _____

DESIGNED BY _____

QUANTITIES BY _____

CHECKED BY _____

No. _____

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

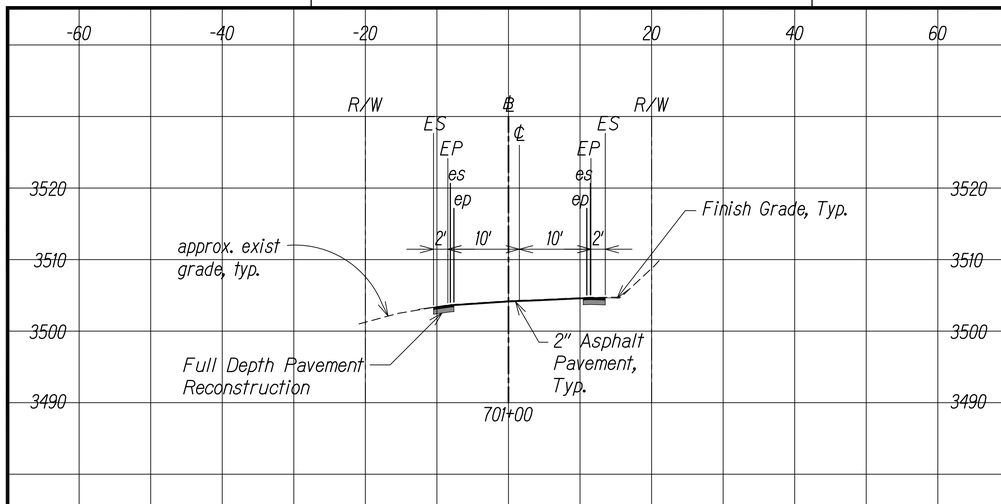
Scale: 1" = 10' Date: August 2022

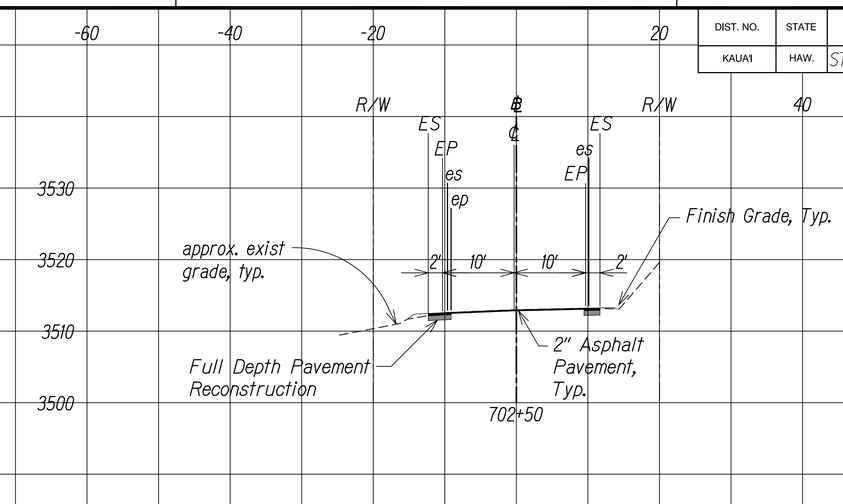
SHEET No. 33 OF 47 SHEETS

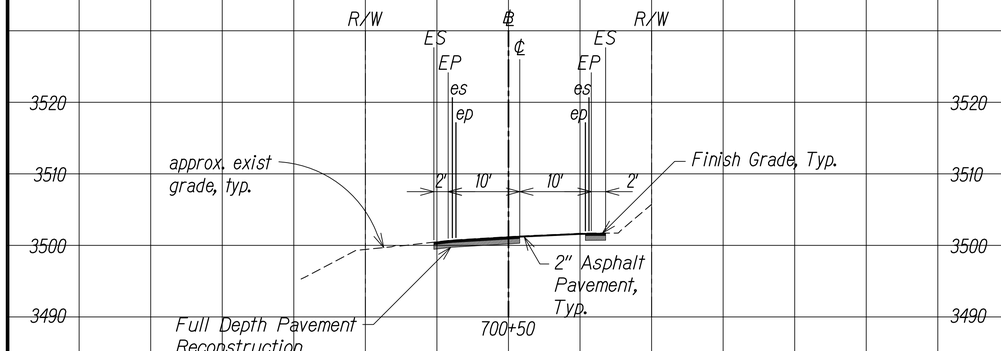
COPY OF ORIGINAL TRACING

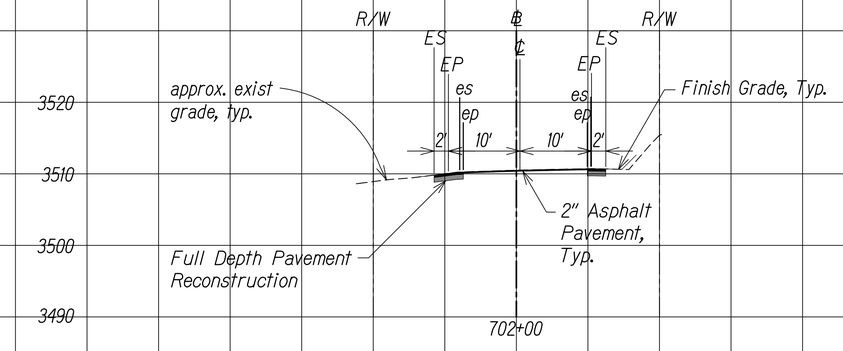
ADD 113

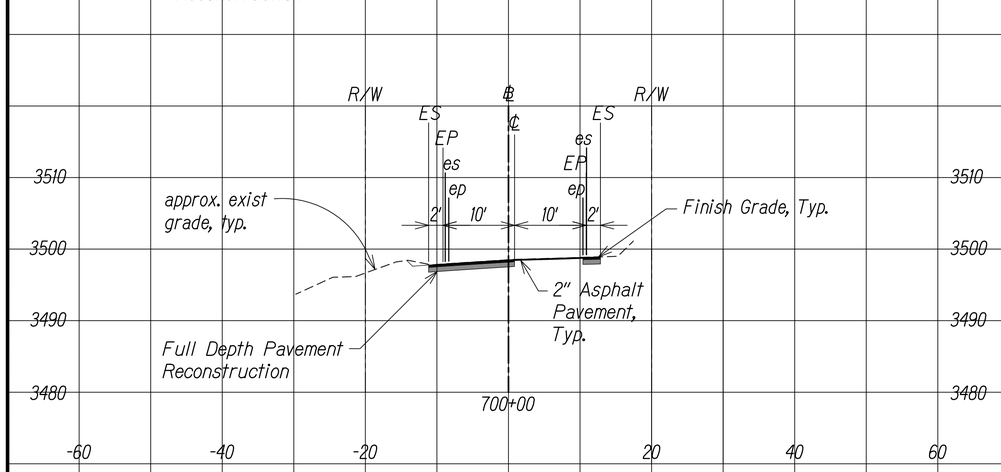
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 114	127

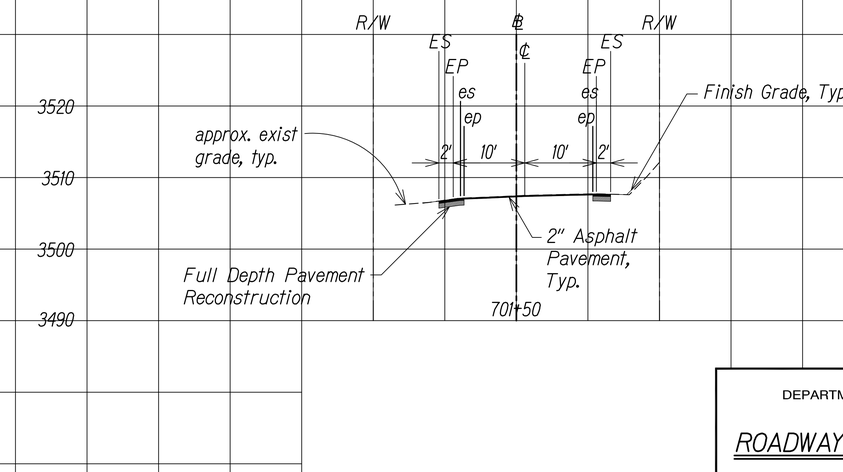












-60 -40 -20 20 40 60

GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

ORIGINAL PLAN
NOTE BOOK
No.

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

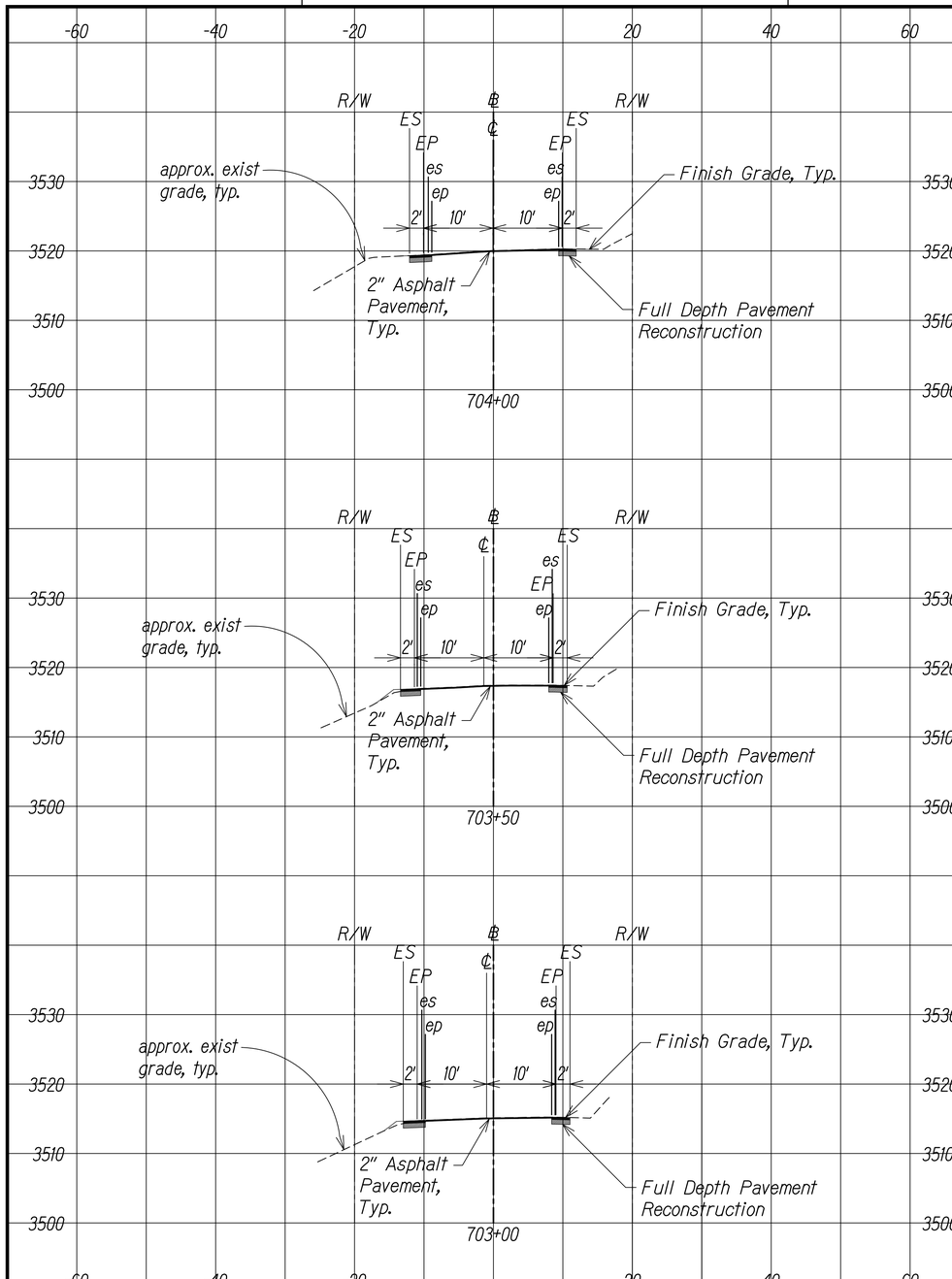
Scale: 1" = 10' Date: August 2022

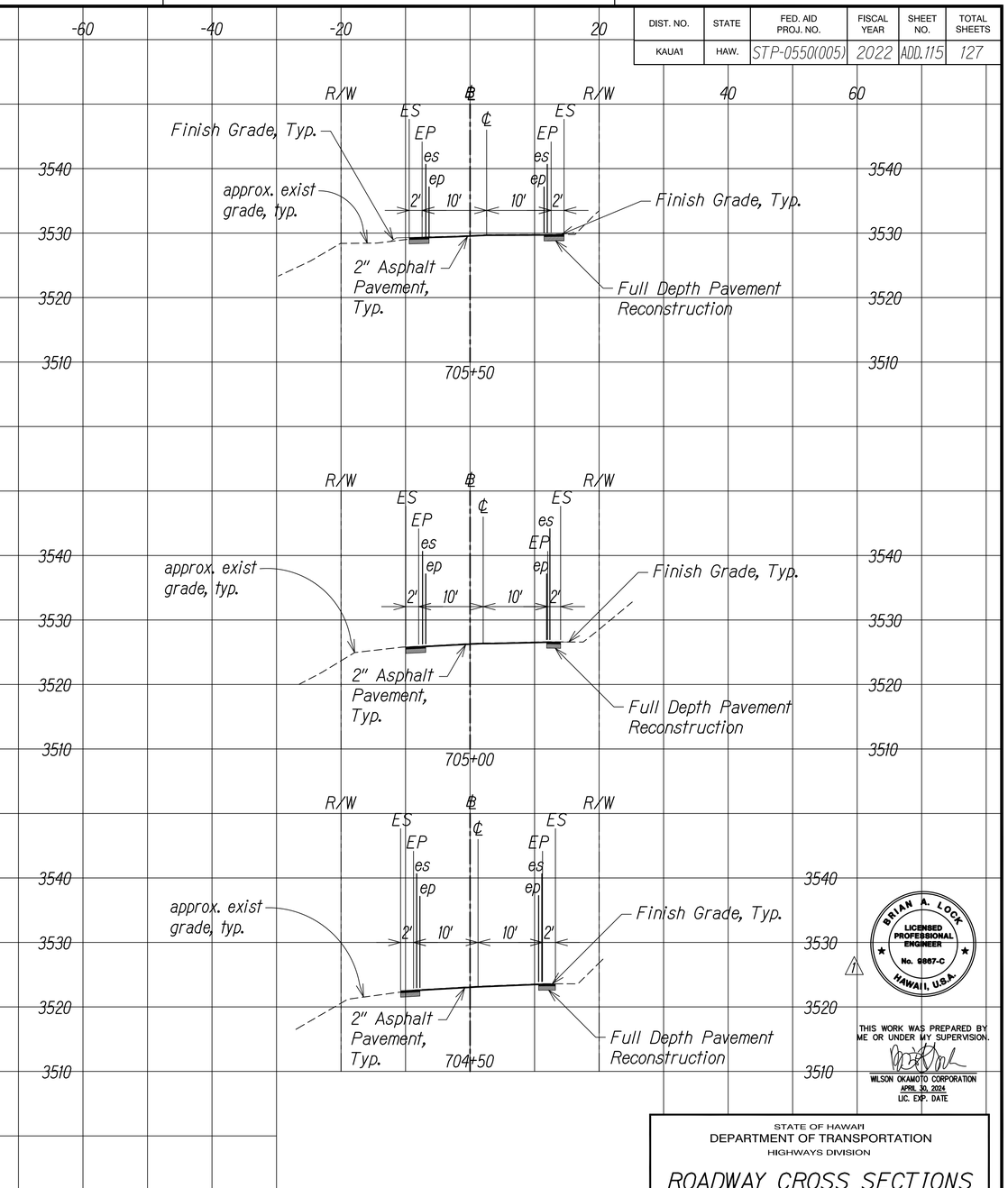
SHEET No. 34 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 114

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.115	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

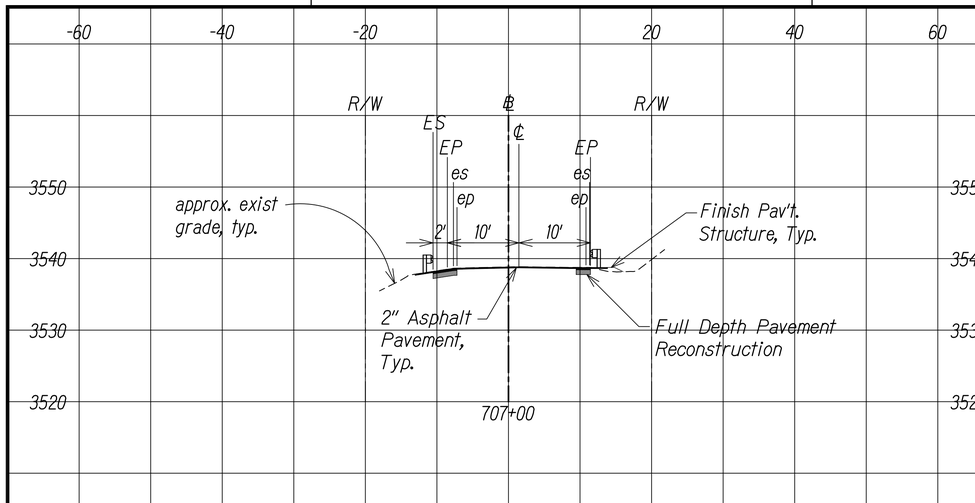
Scale: 1" = 10' Date: August 2022

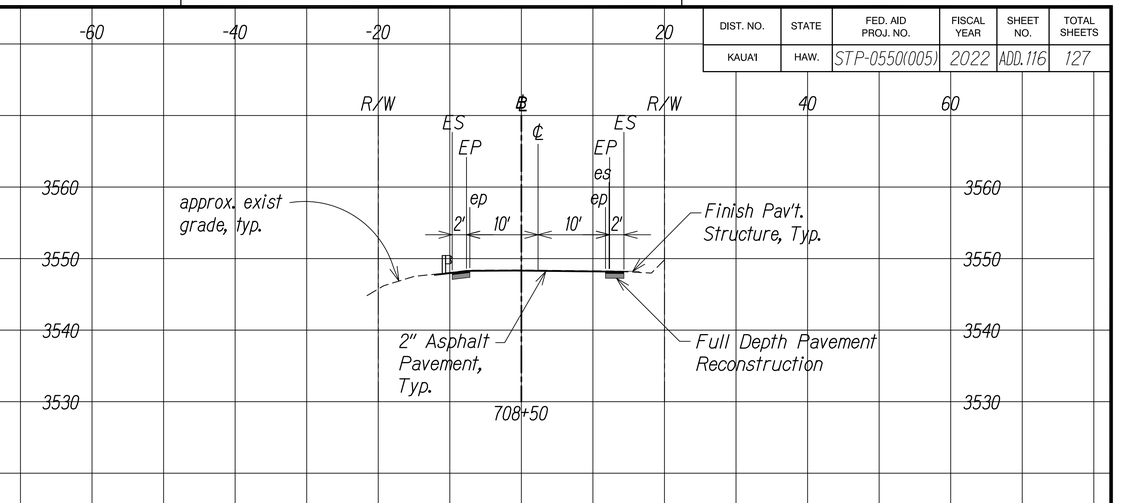
SHEET No. 35 OF 47 SHEETS

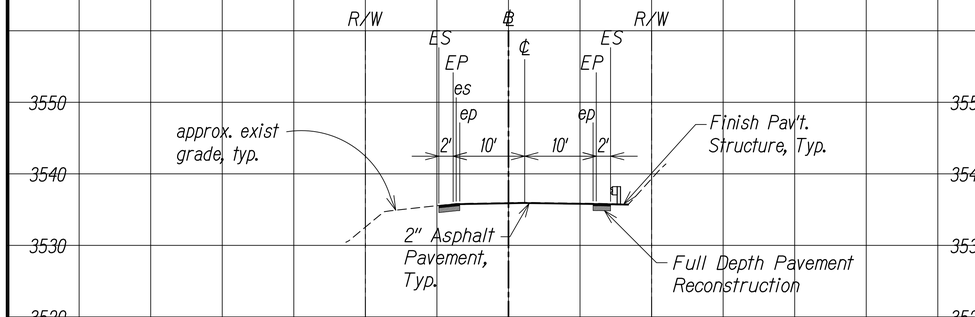
COPY OF ORIGINAL TRACING

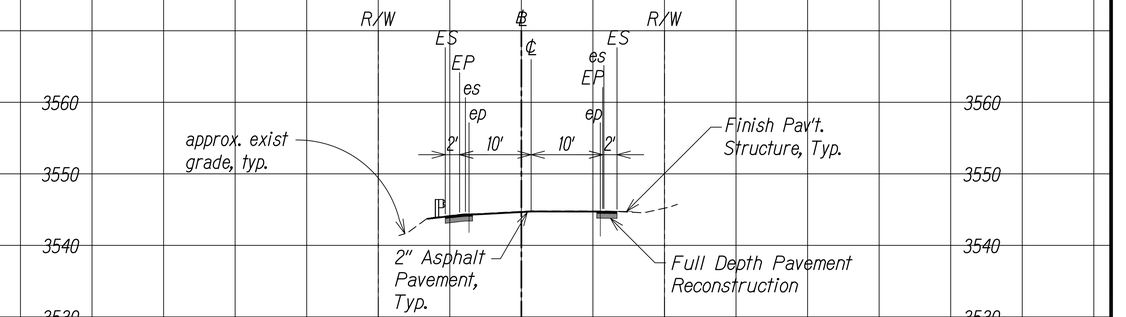
ADD 115

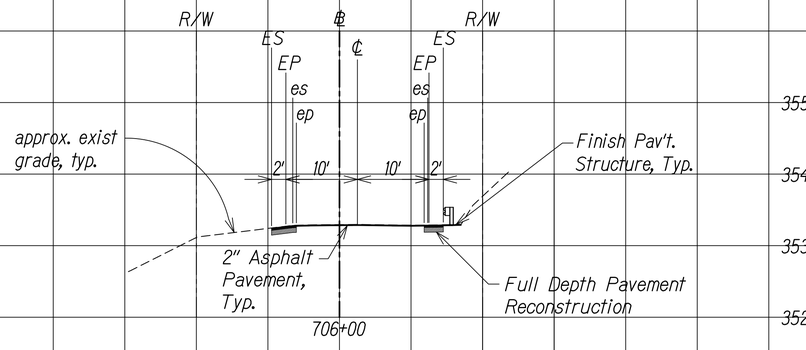
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.116	127

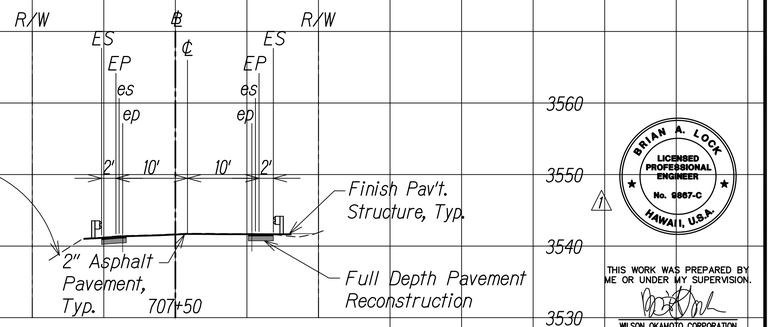












-60 -40 -20 20 40 60

GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

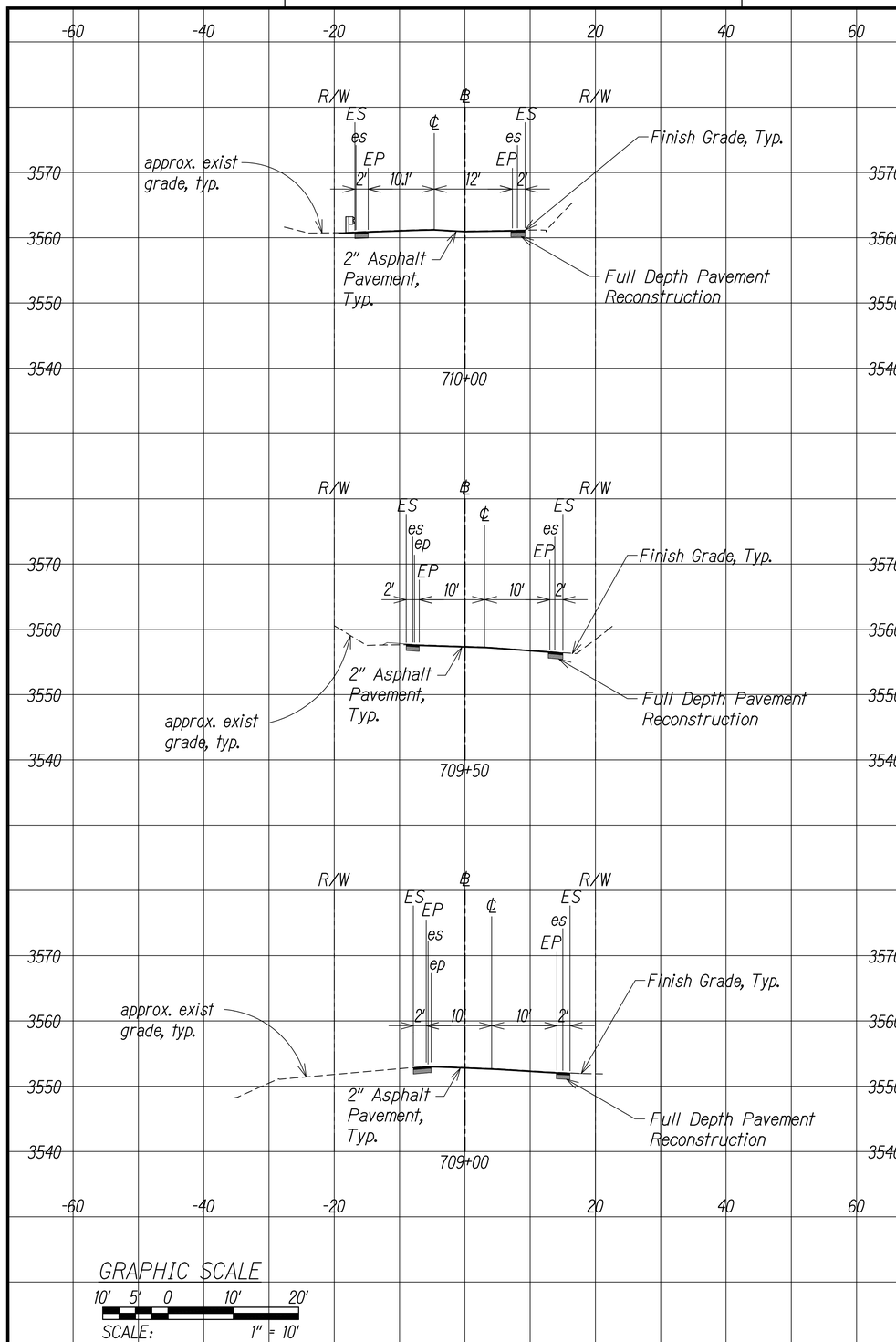
DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

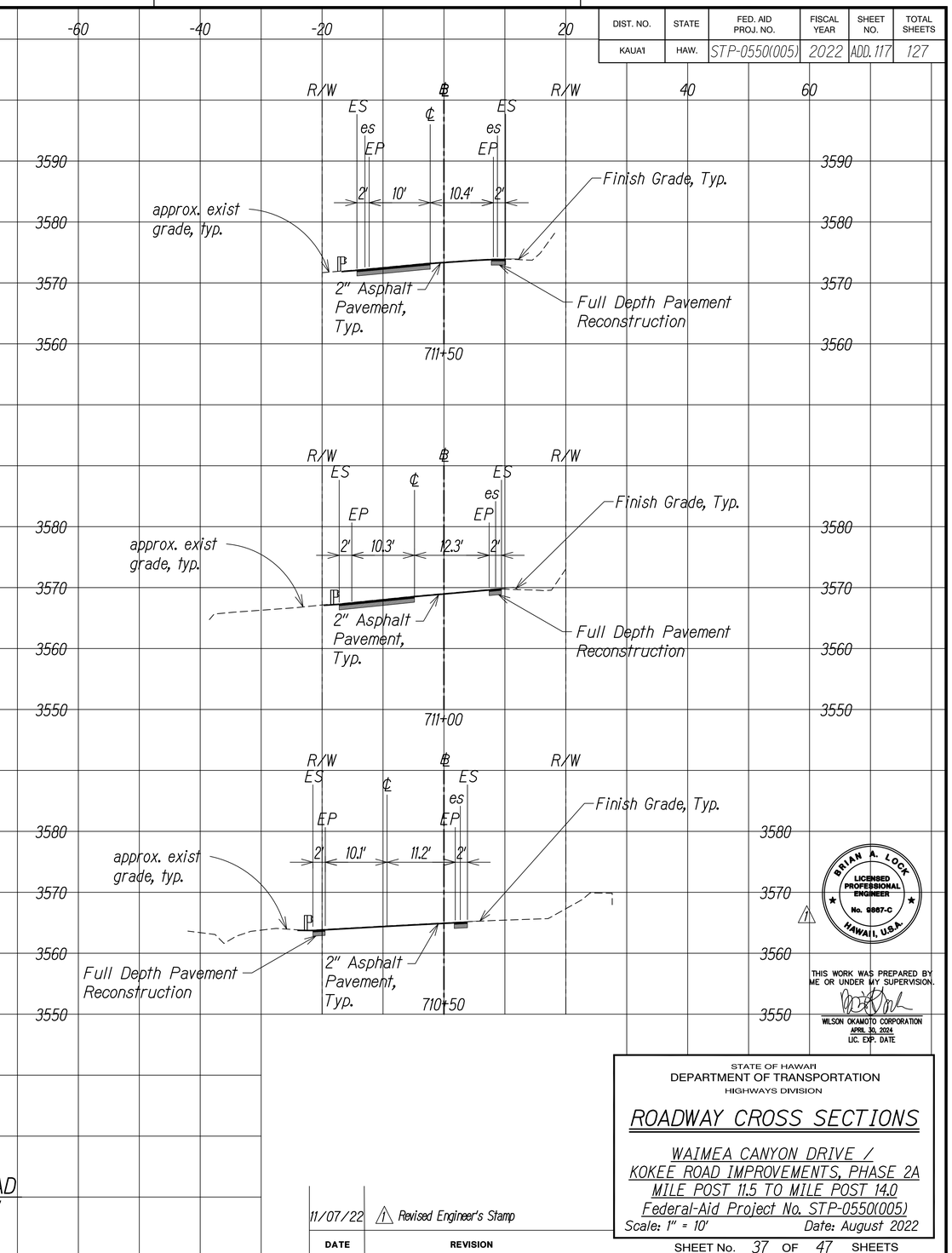
SHEET No. 36 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 116

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 117	127





GRAPHIC SCALE
10' 5' 0 10' 20'
SCALE: 1" = 10'

KOKEE ROAD
Scale: 1" = 10'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

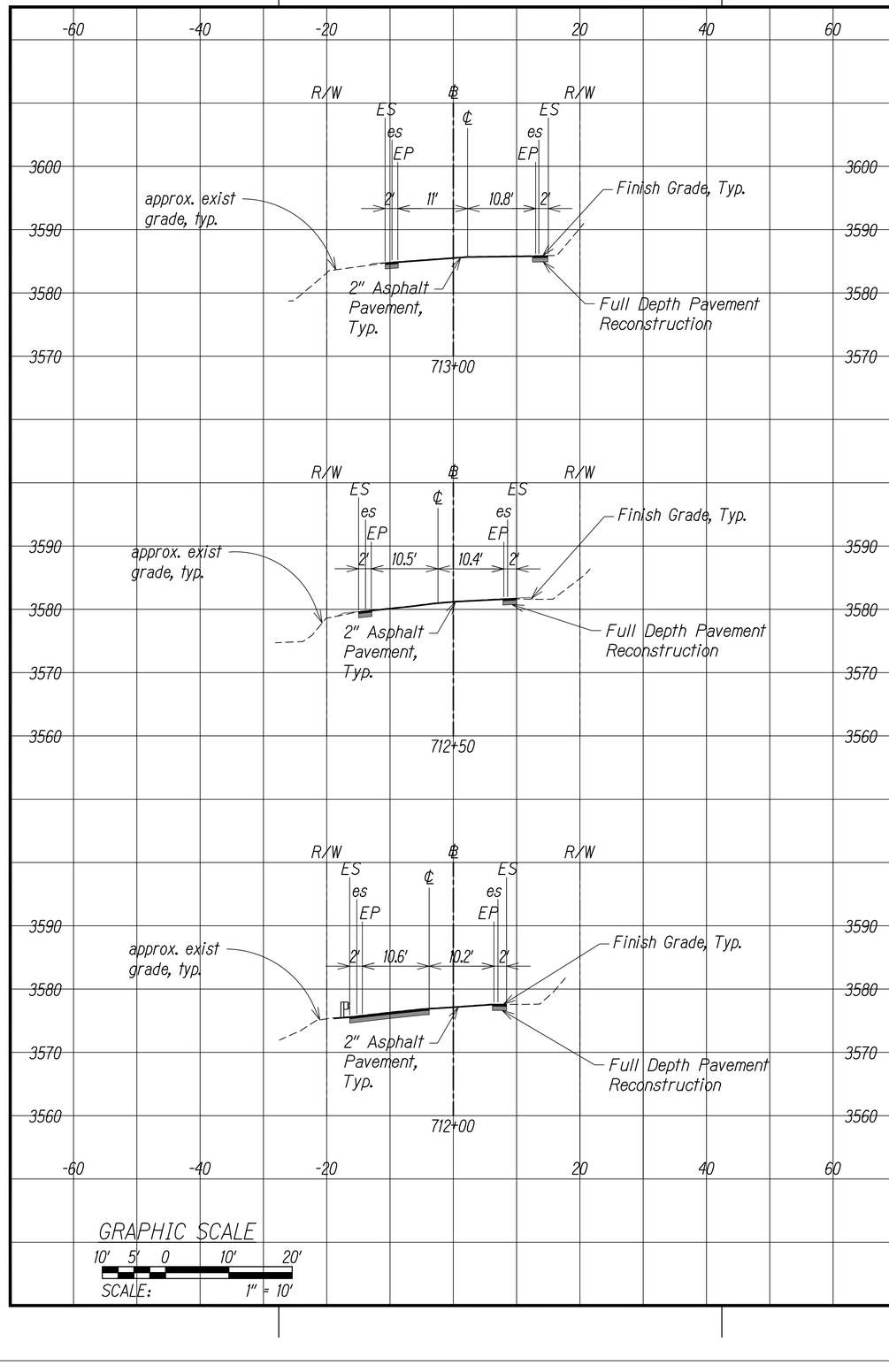
Scale: 1" = 10' Date: August 2022

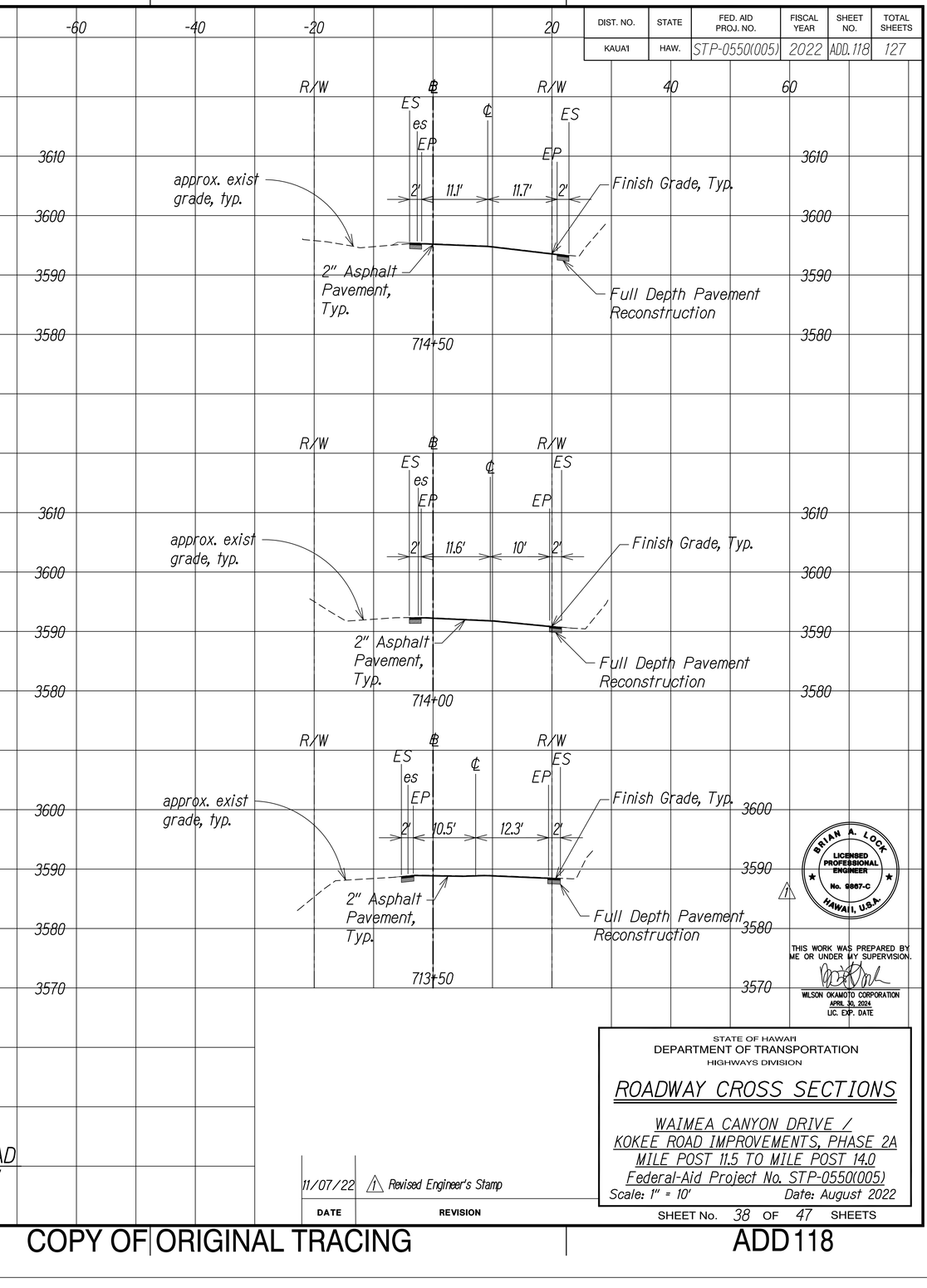
SHEET No. 37 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 117

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 118	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

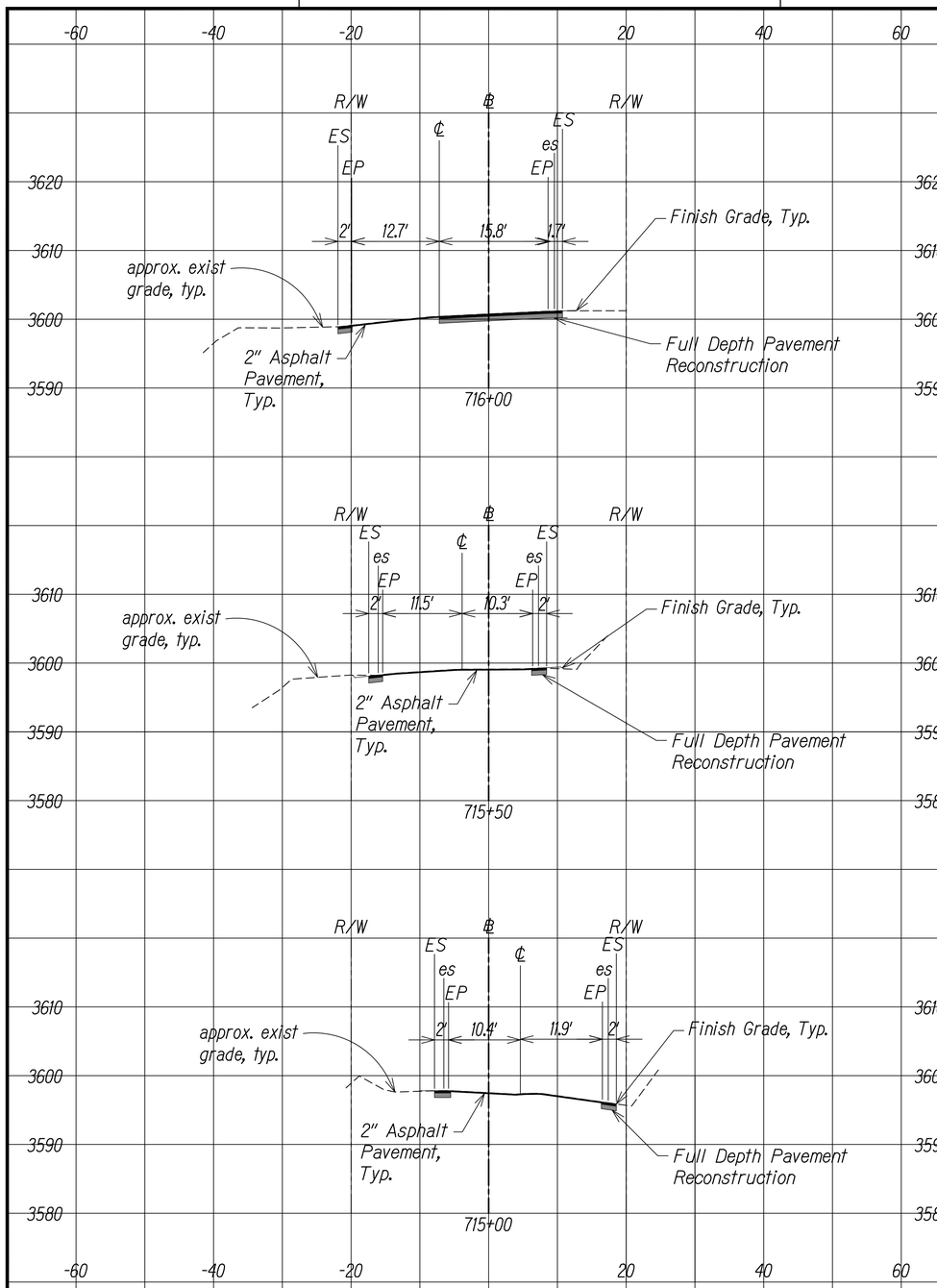
SHEET No. 38 OF 47 SHEETS

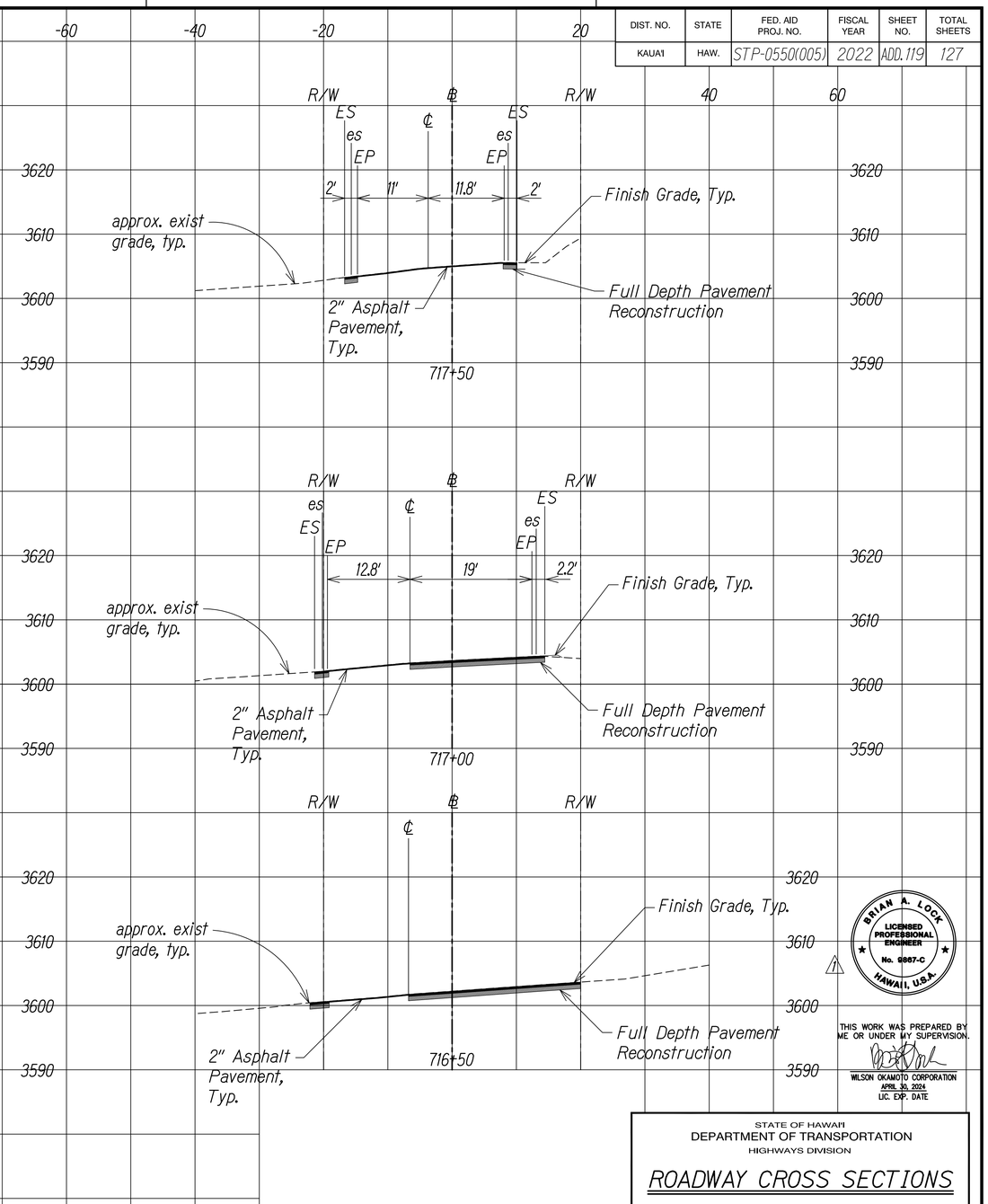
ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

COPY OF ORIGINAL TRACING

ADD 118

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 119	127





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

ORIGINAL PLAN
NOTE BOOK
No.

GRAPHIC SCALE
10' 5' 0 10' 20'
SCALE: 1" = 10'

KOKEE ROAD
Scale: 1" = 10'

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

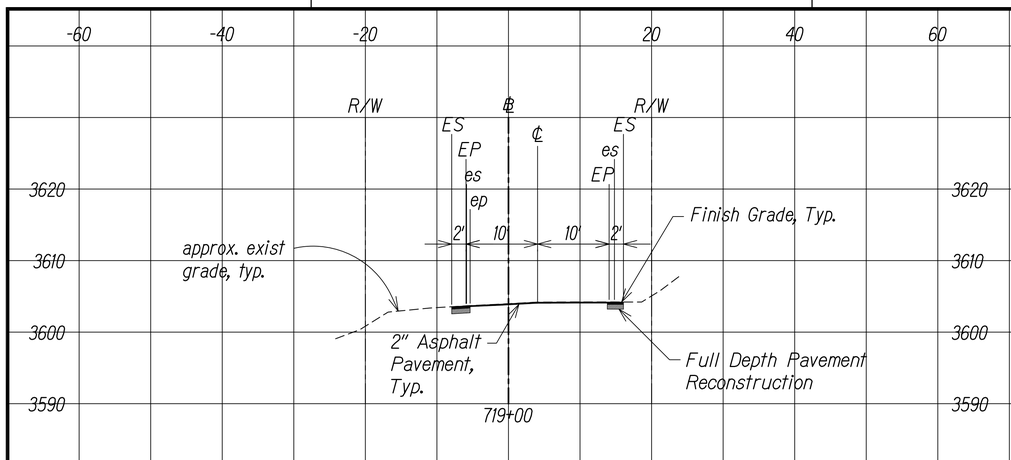
Scale: 1" = 10' Date: August 2022

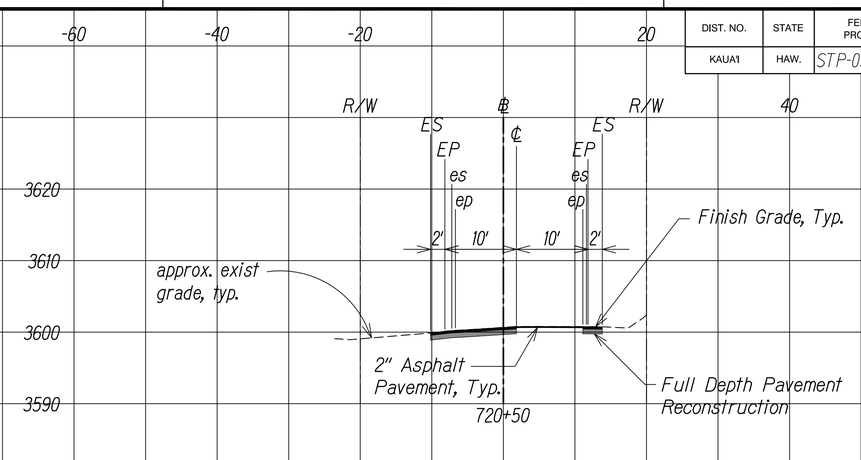
SHEET No. 39 OF 47 SHEETS

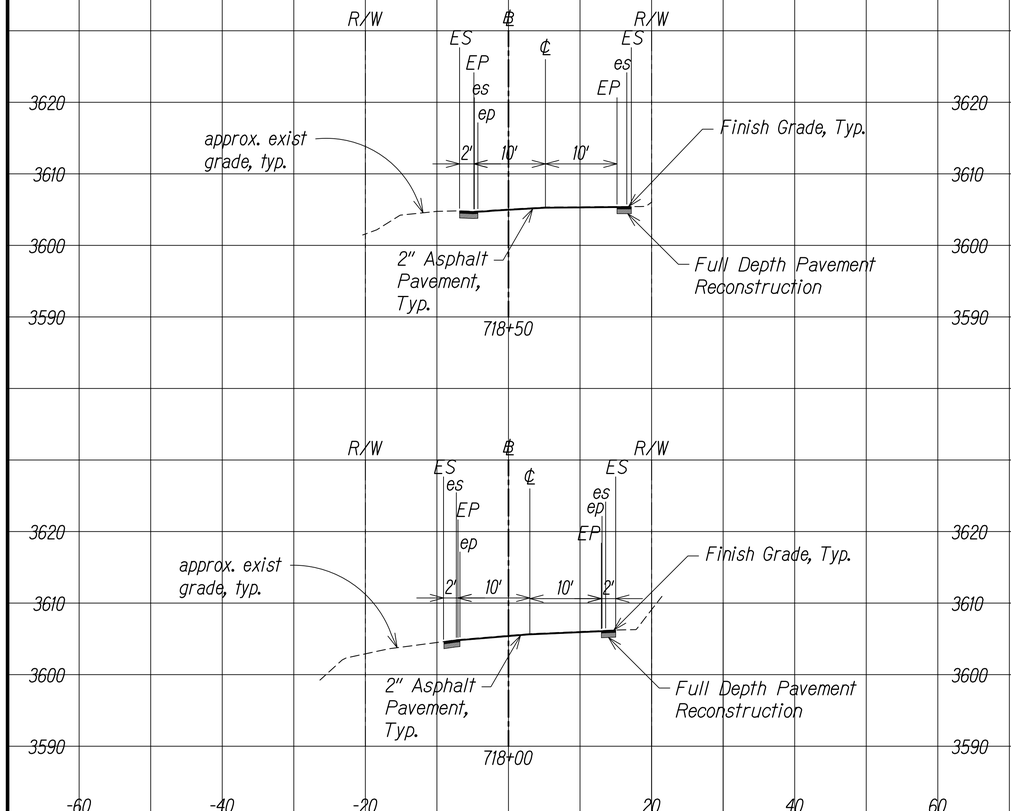
COPY OF ORIGINAL TRACING

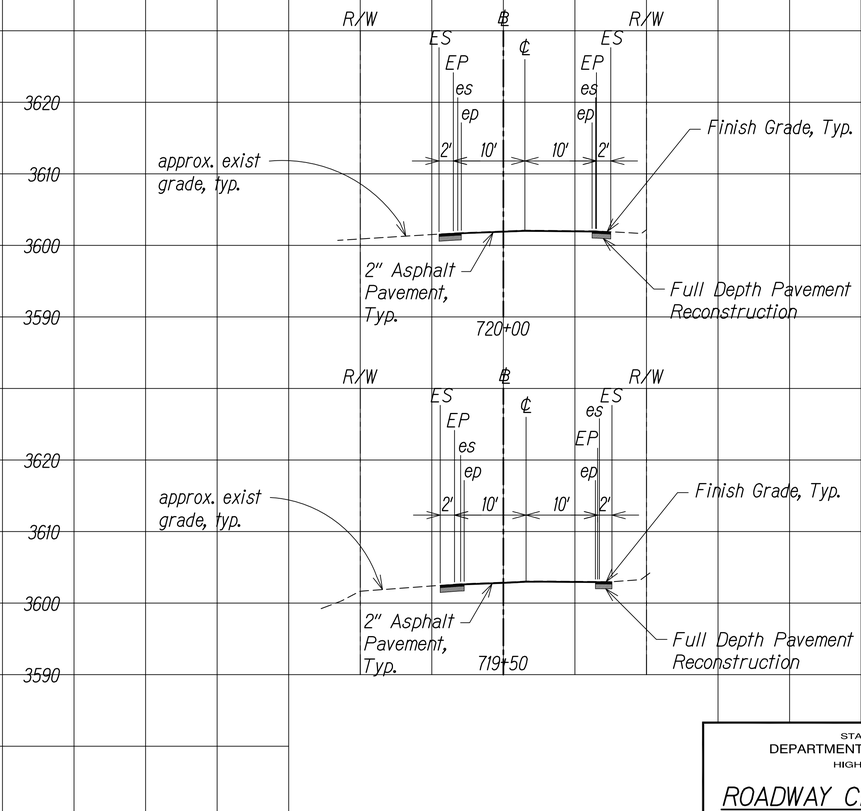
ADD 119

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.120	127









-60 -40 -20 20 40 60

GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

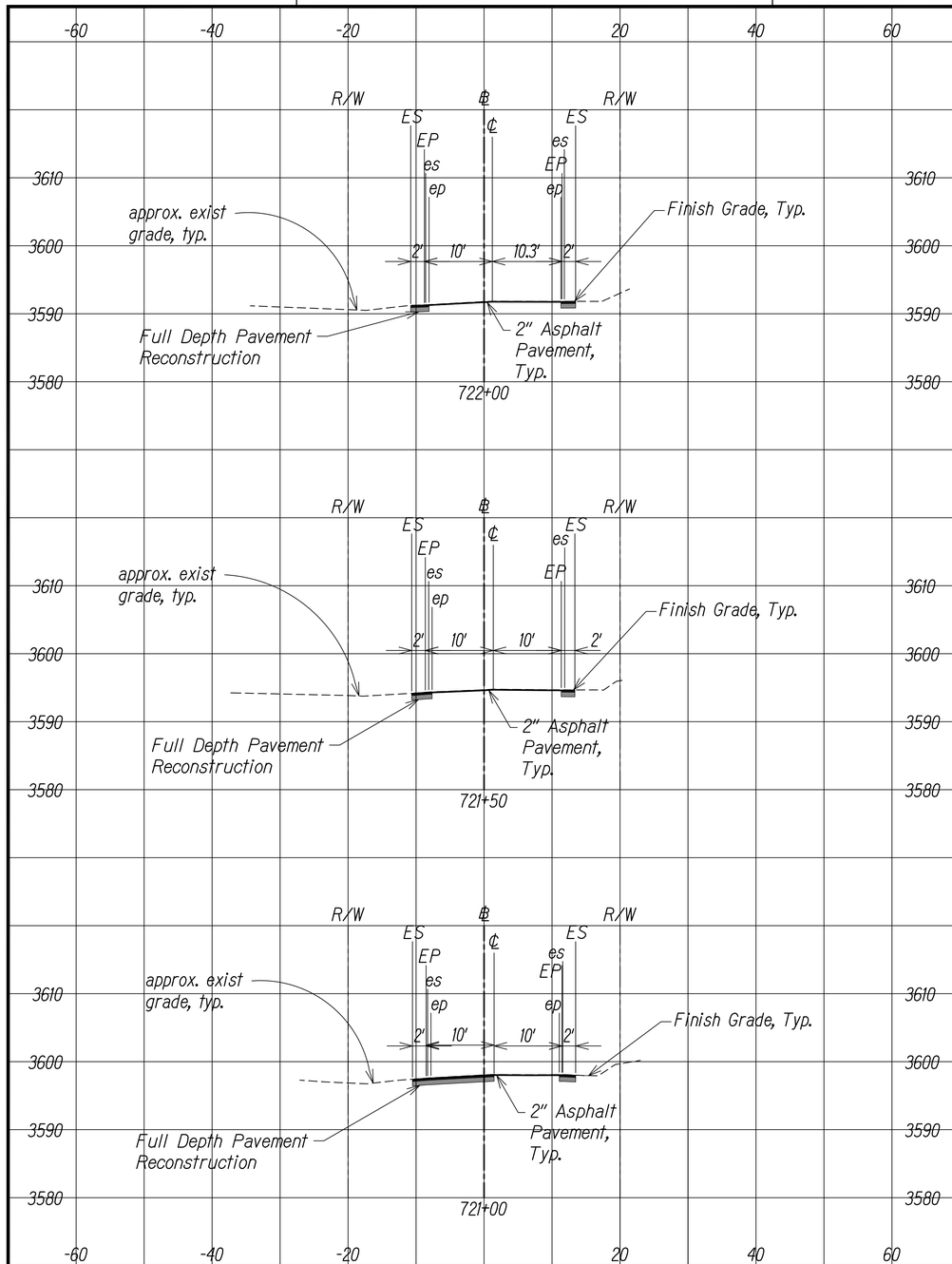
DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

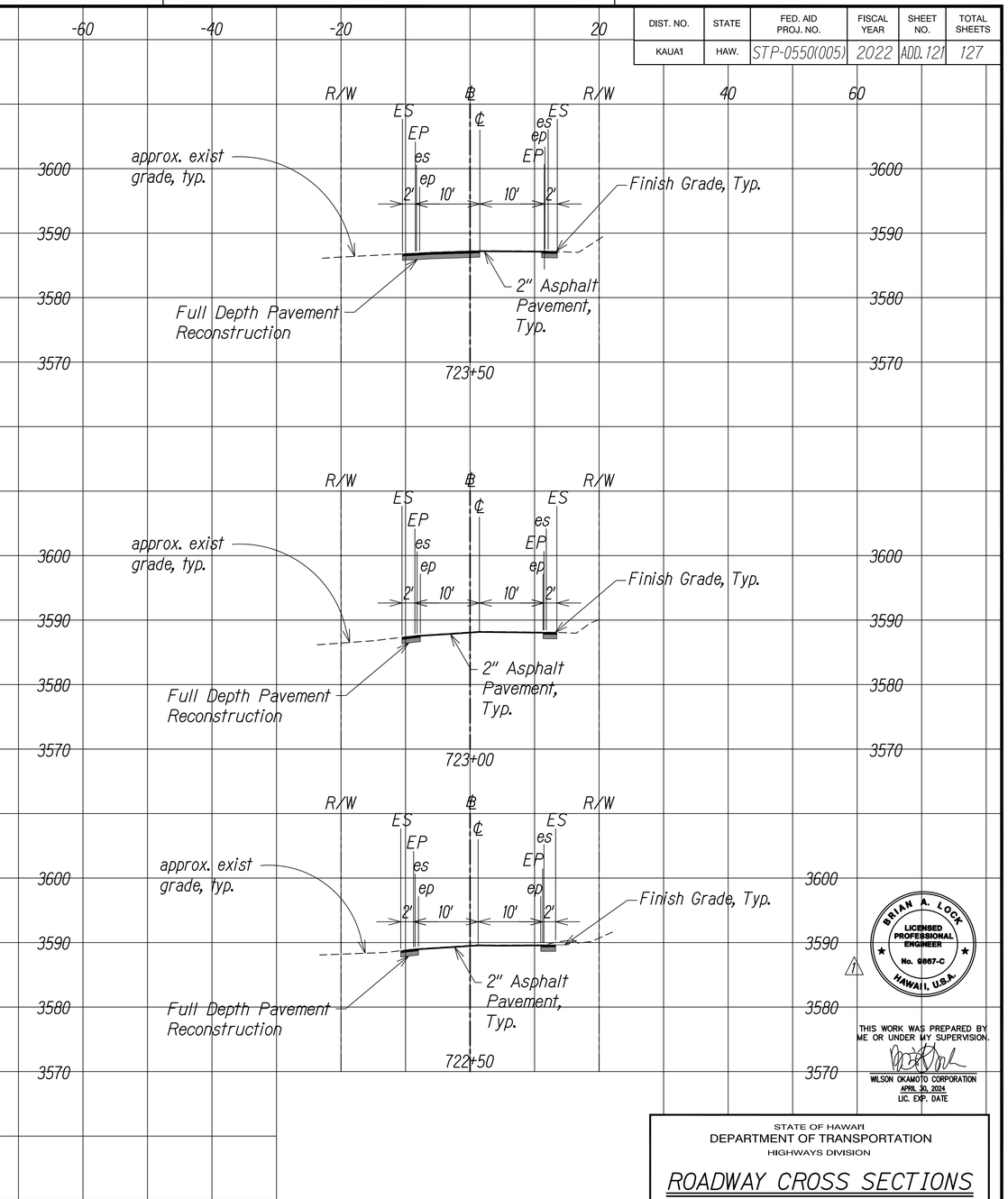
SHEET No. 40 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 120

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 121	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

ORIGINAL PLAN

NOTE BOOK

No.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

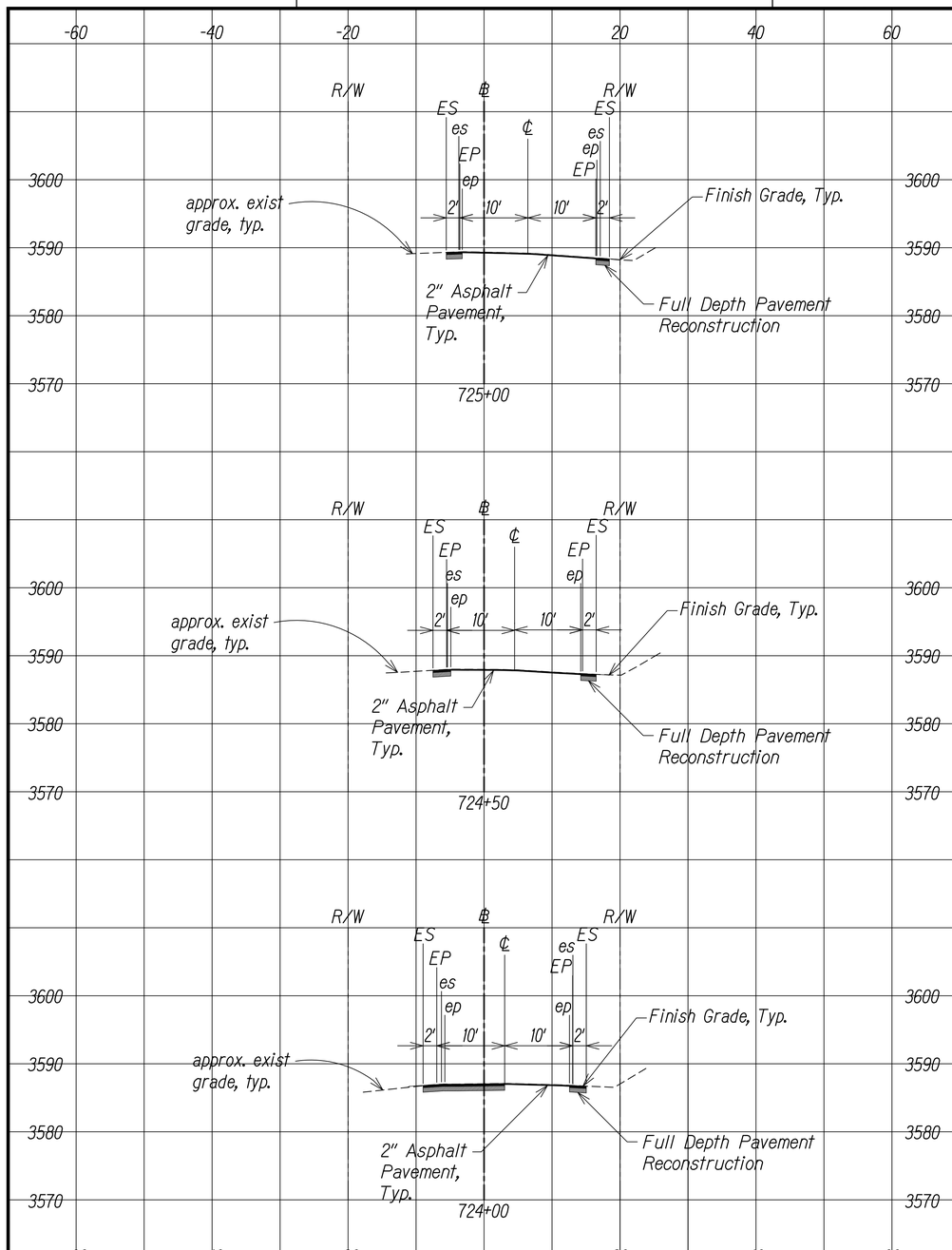
DATE	REVISION
11/07/22	1 Revised Engineer's Stamp

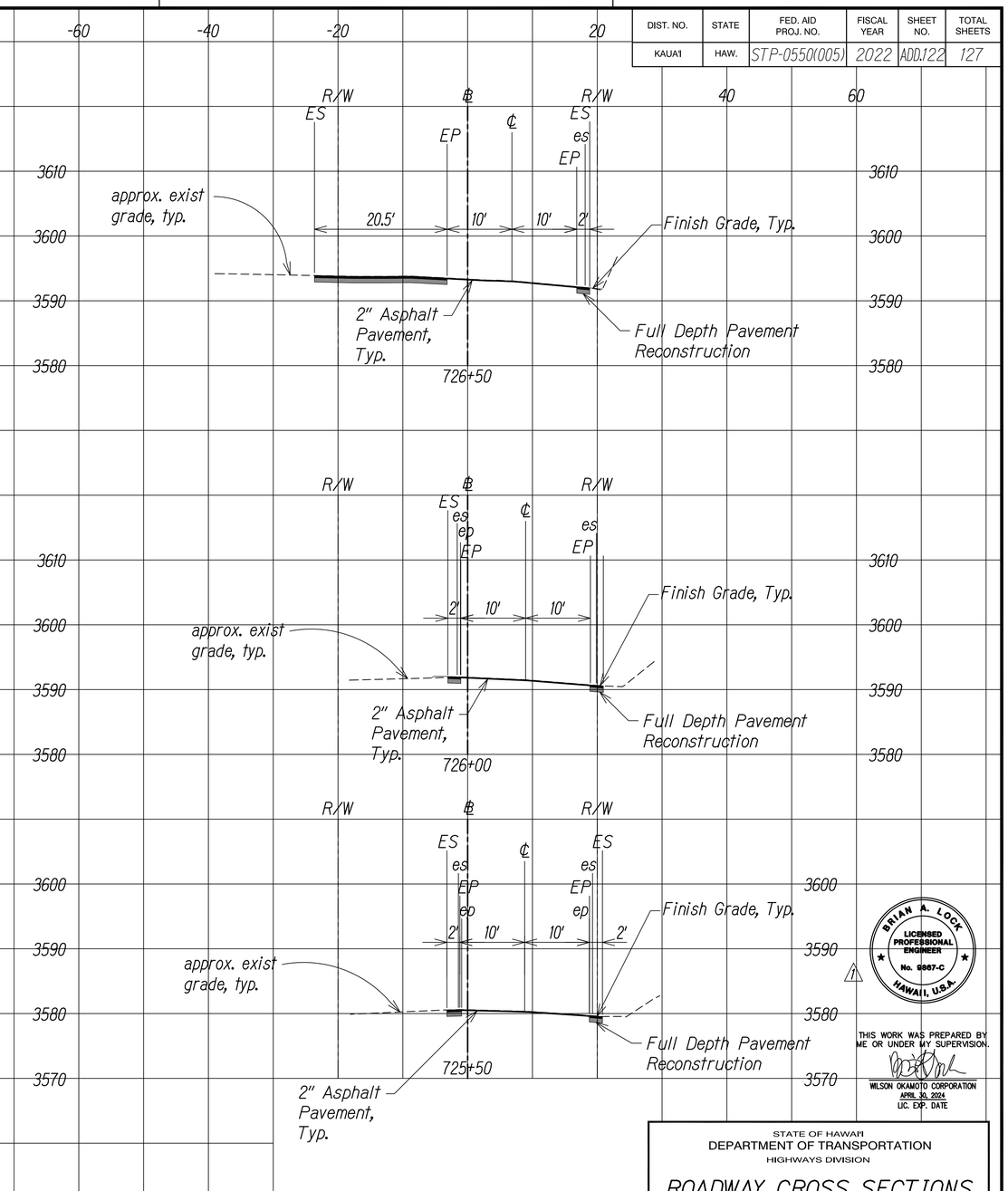
SHEET No. 41 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 121

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD 122	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

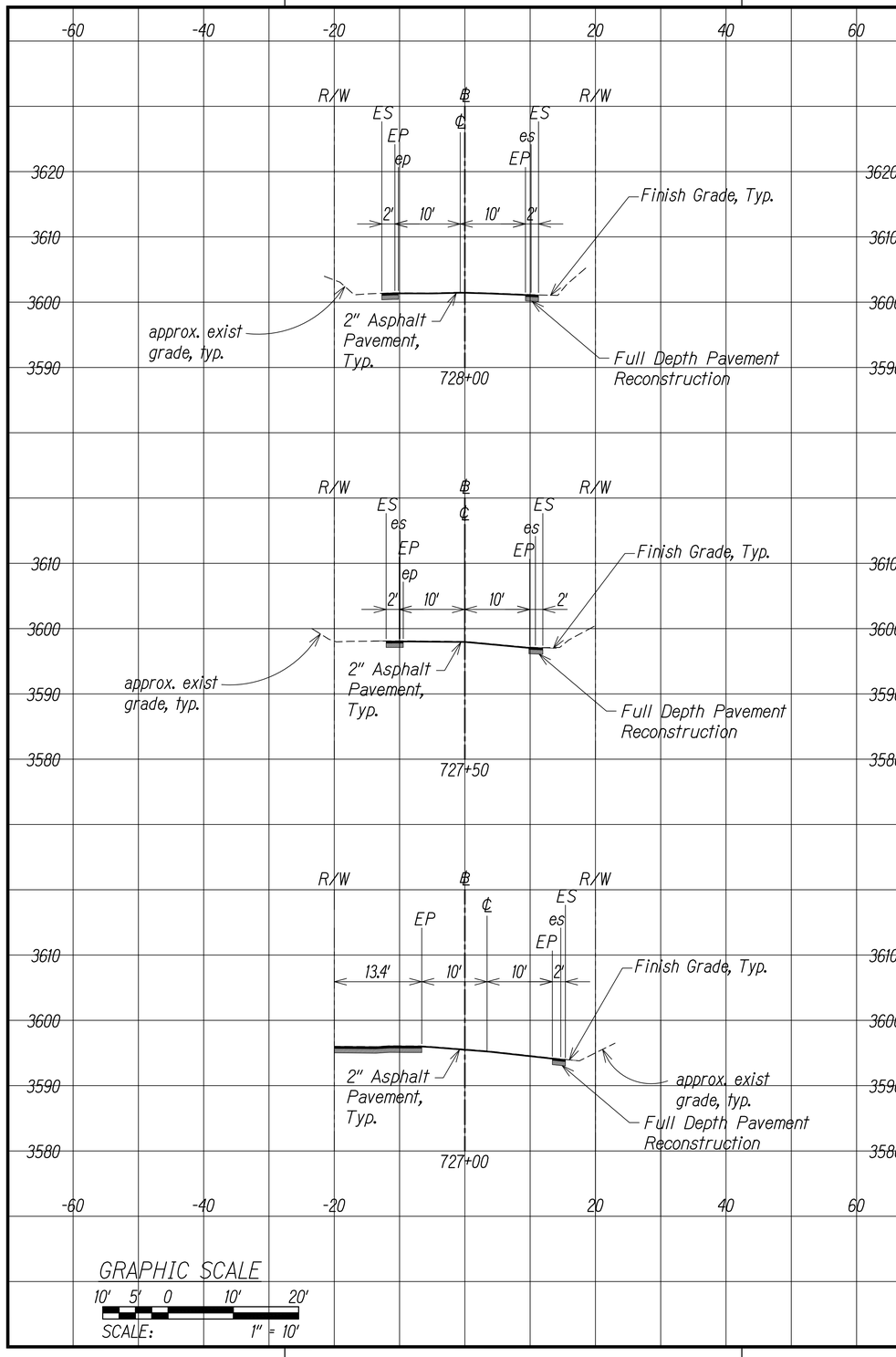
SHEET No. 42 OF 47 SHEETS

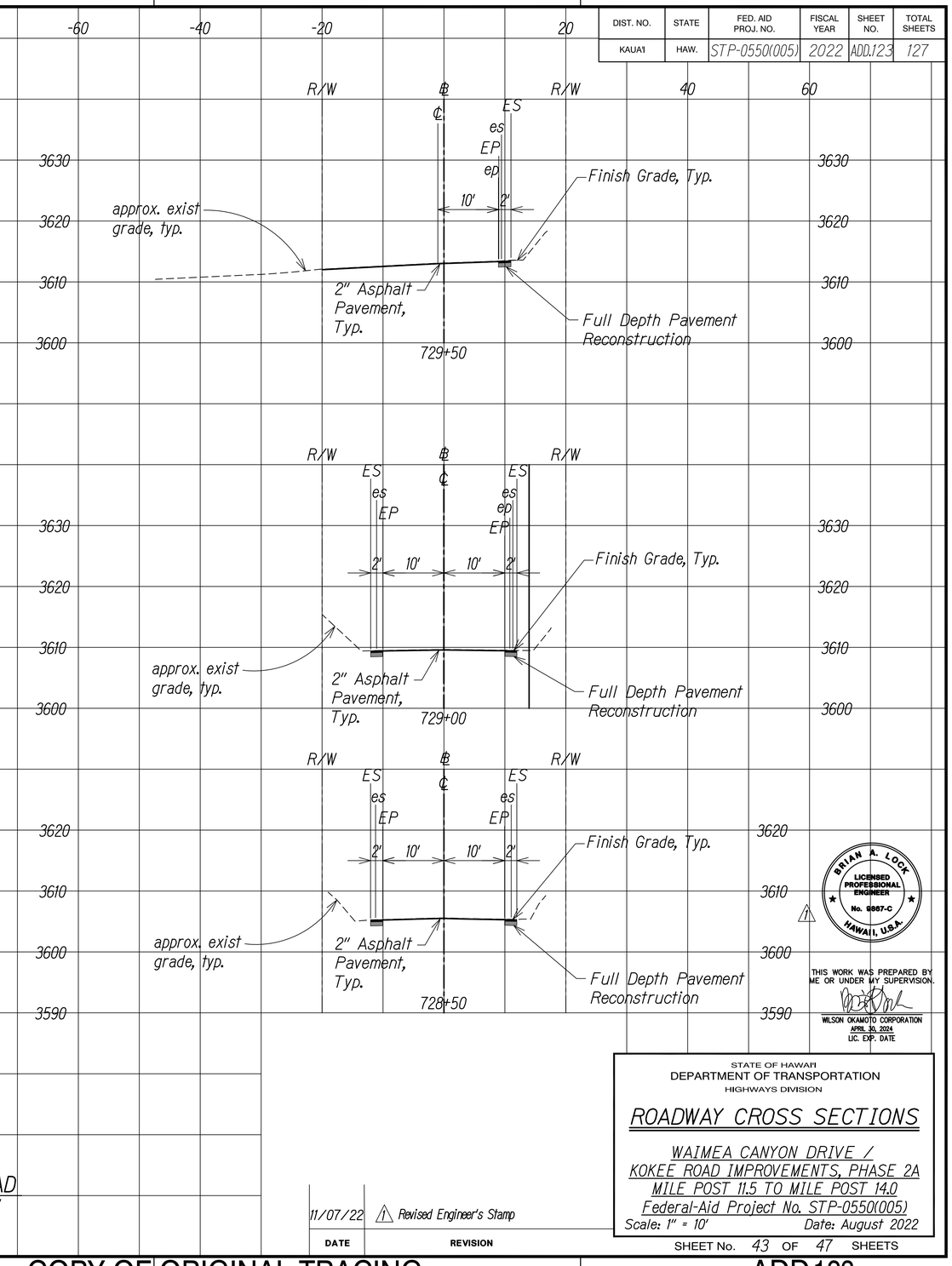
ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

COPY OF ORIGINAL TRACING

ADD 122

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.123	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

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

ORIGINAL PLAN
NOTE BOOK
No.

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

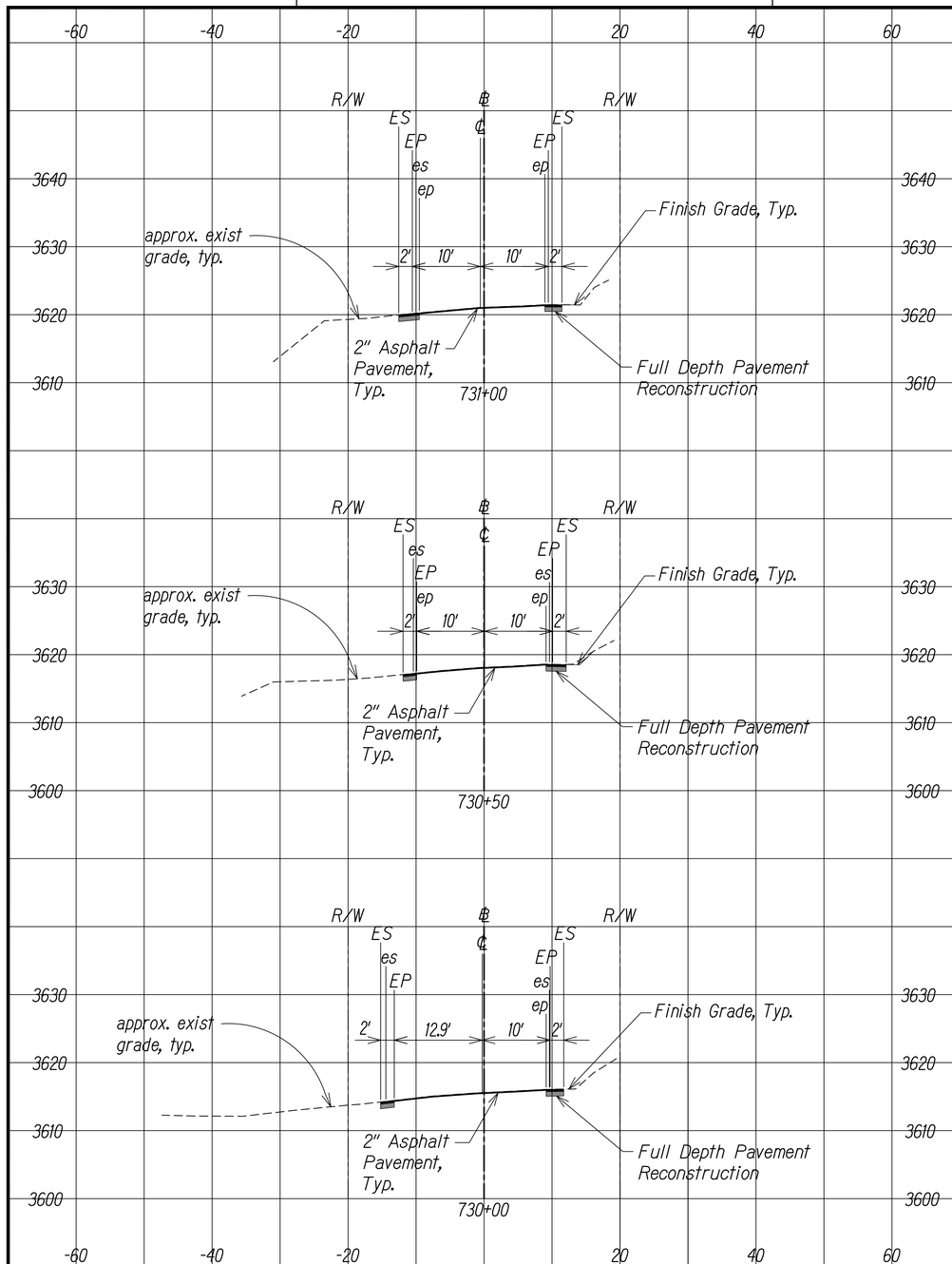
Scale: 1" = 10' Date: August 2022

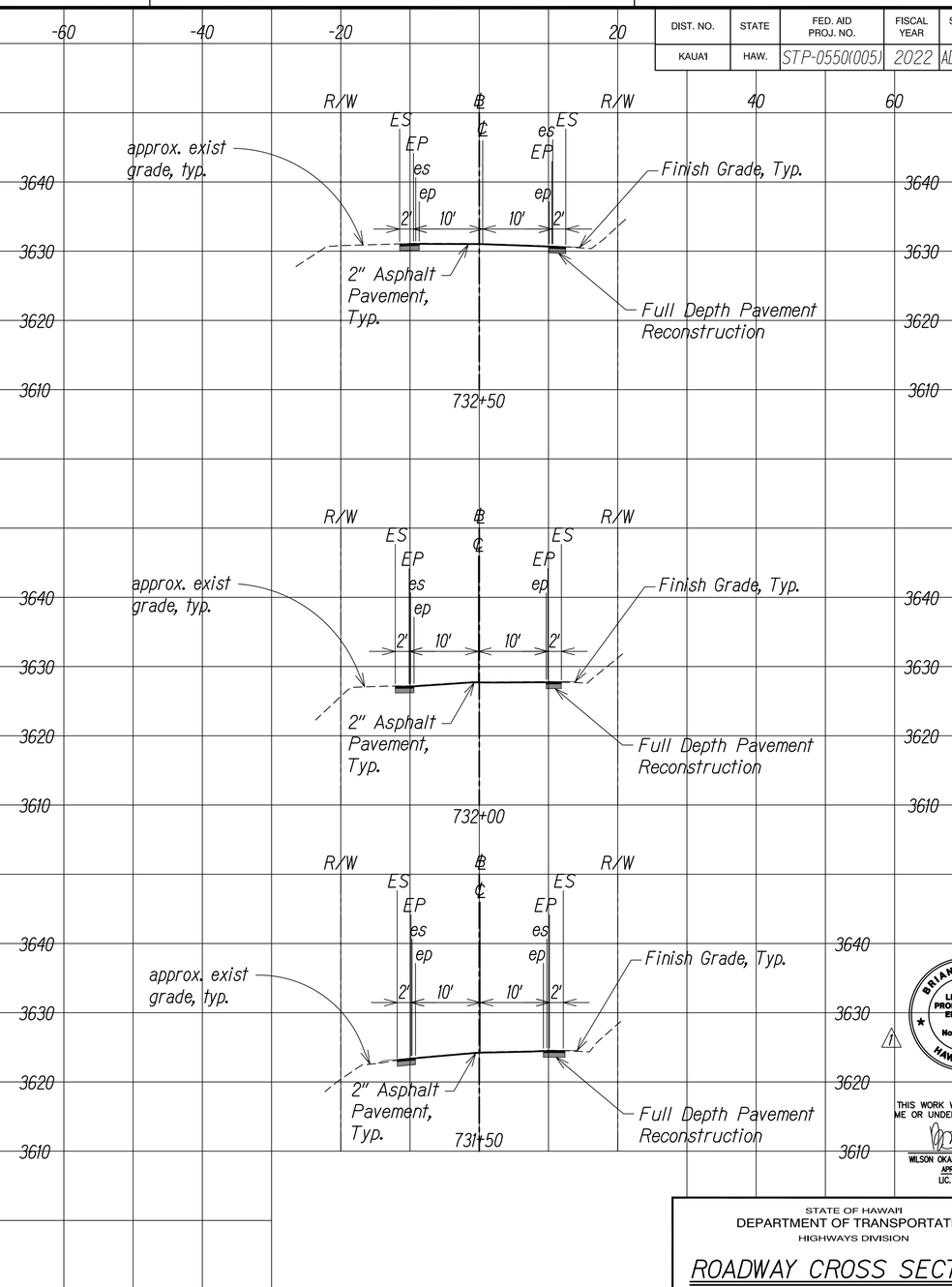
SHEET No. 43 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 123

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.124	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	1 Removed Extraneous Cross Section Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

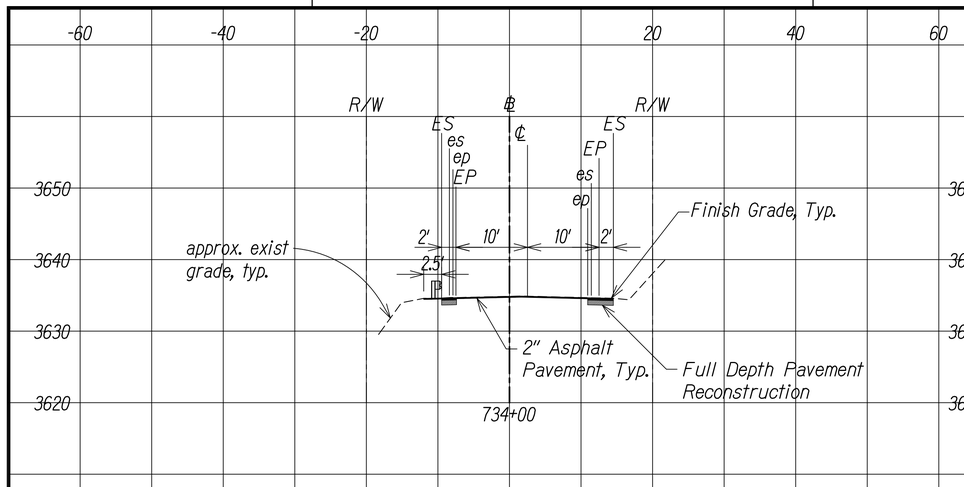
SHEET No. 44 OF 47 SHEETS

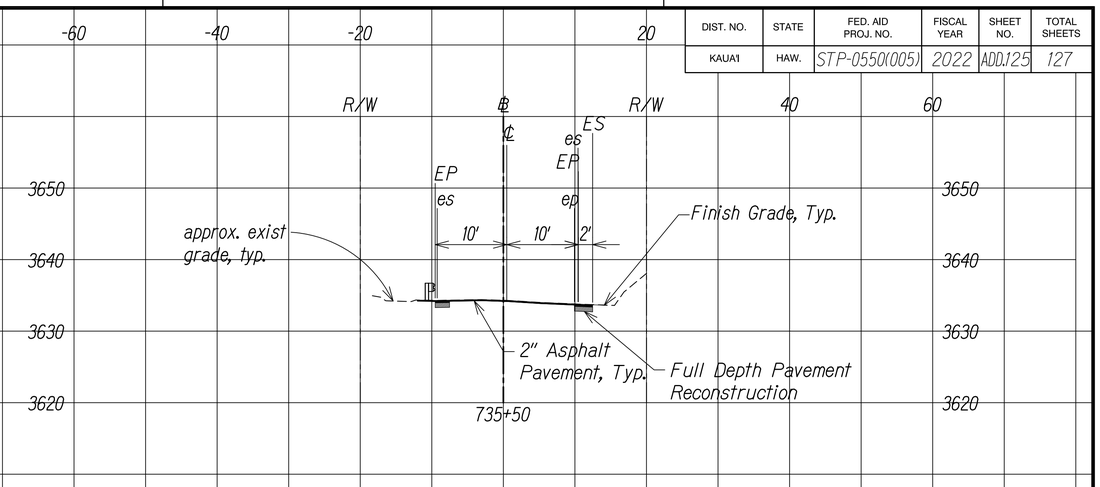
DATE	SURVEY PLOTTED BY
	DRAWN BY
ORIGINAL PLAN	TRACED BY
NOTE BOOK	DESIGNED BY
No.	QUANTITIES BY
	CHECKED BY

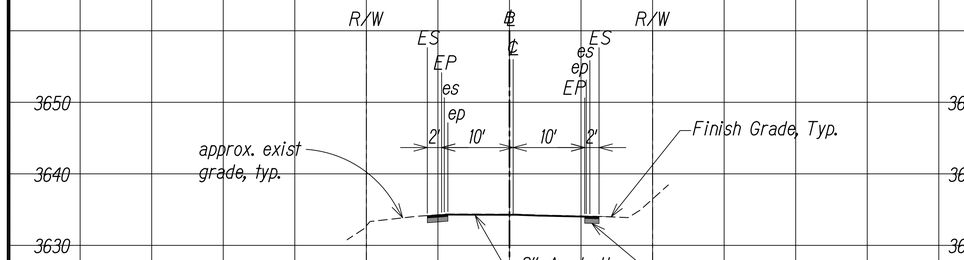
COPY OF ORIGINAL TRACING

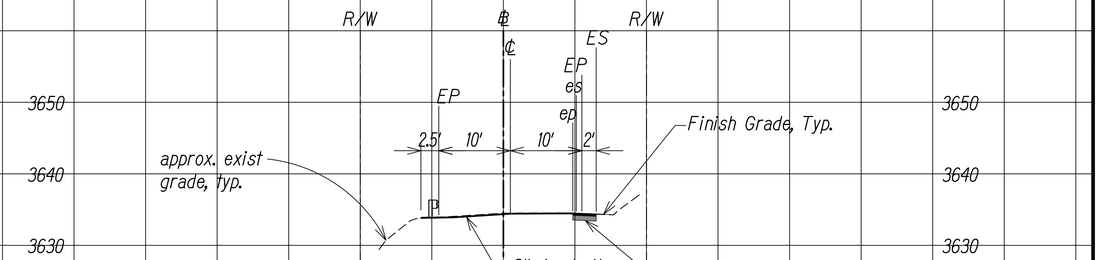
ADD 124

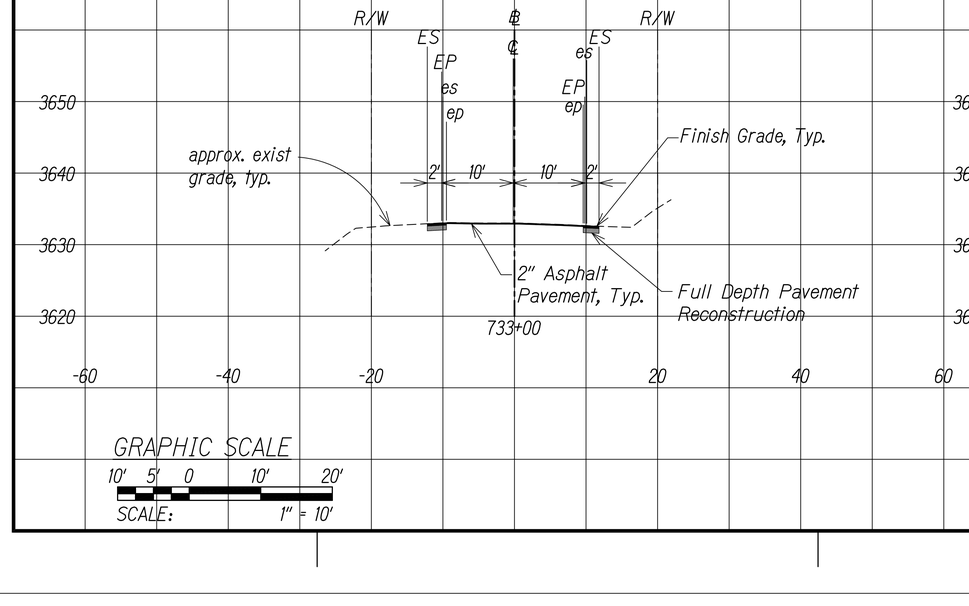
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.125	127

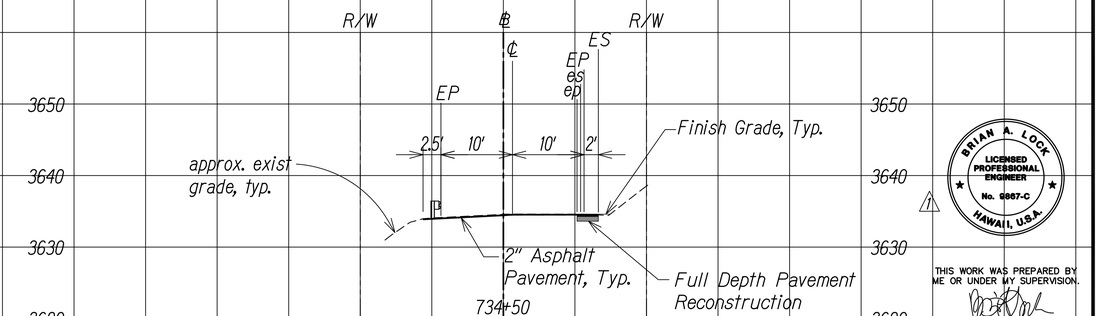












SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

ORIGINAL PLAN

NOTE BOOK
No.

GRAPHIC SCALE
10' 5' 0 10' 20'
SCALE: 1" = 10'

KOKEE ROAD
Scale: 1" = 10'

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

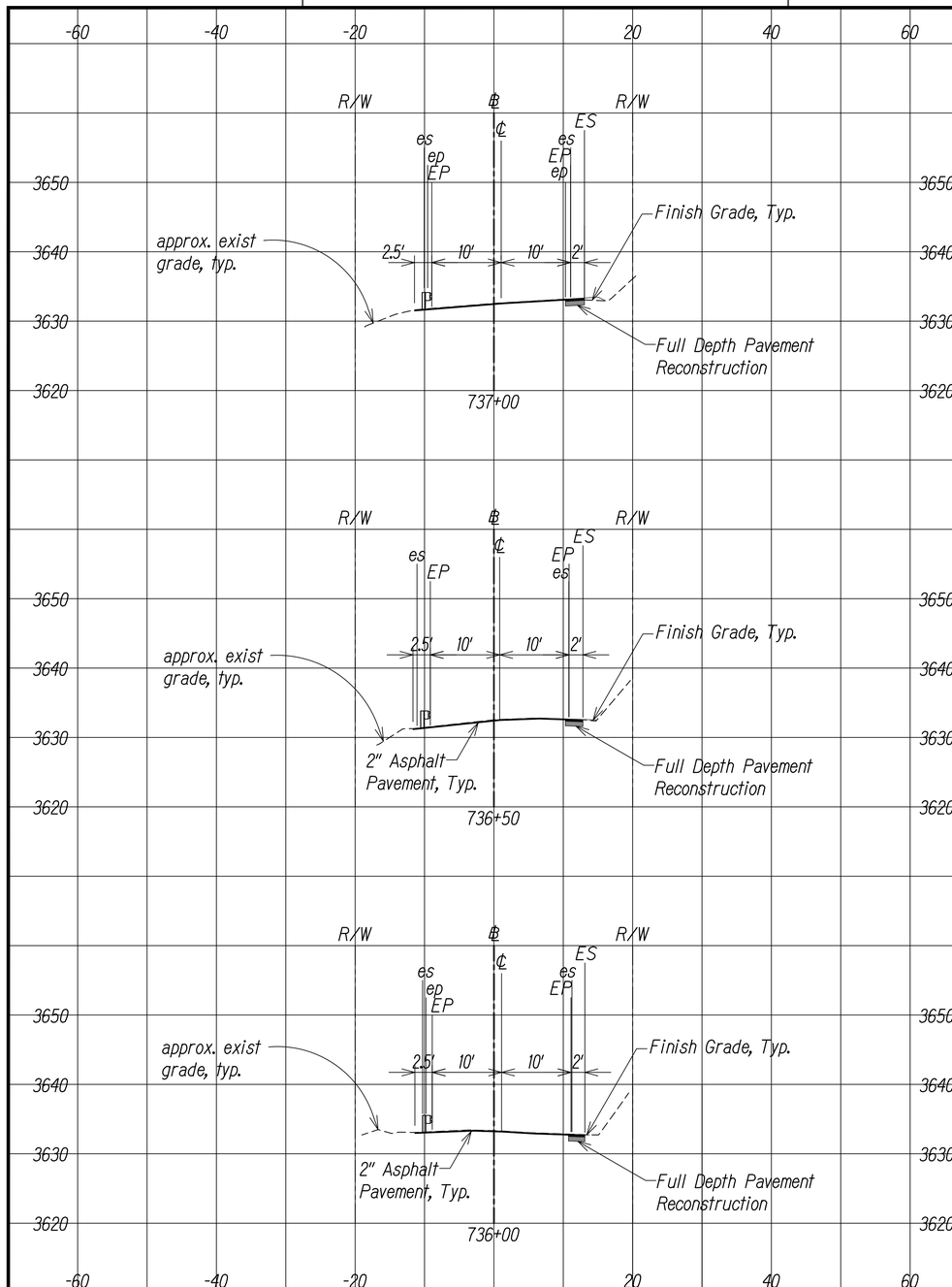
Scale: 1" = 10' Date: August 2022

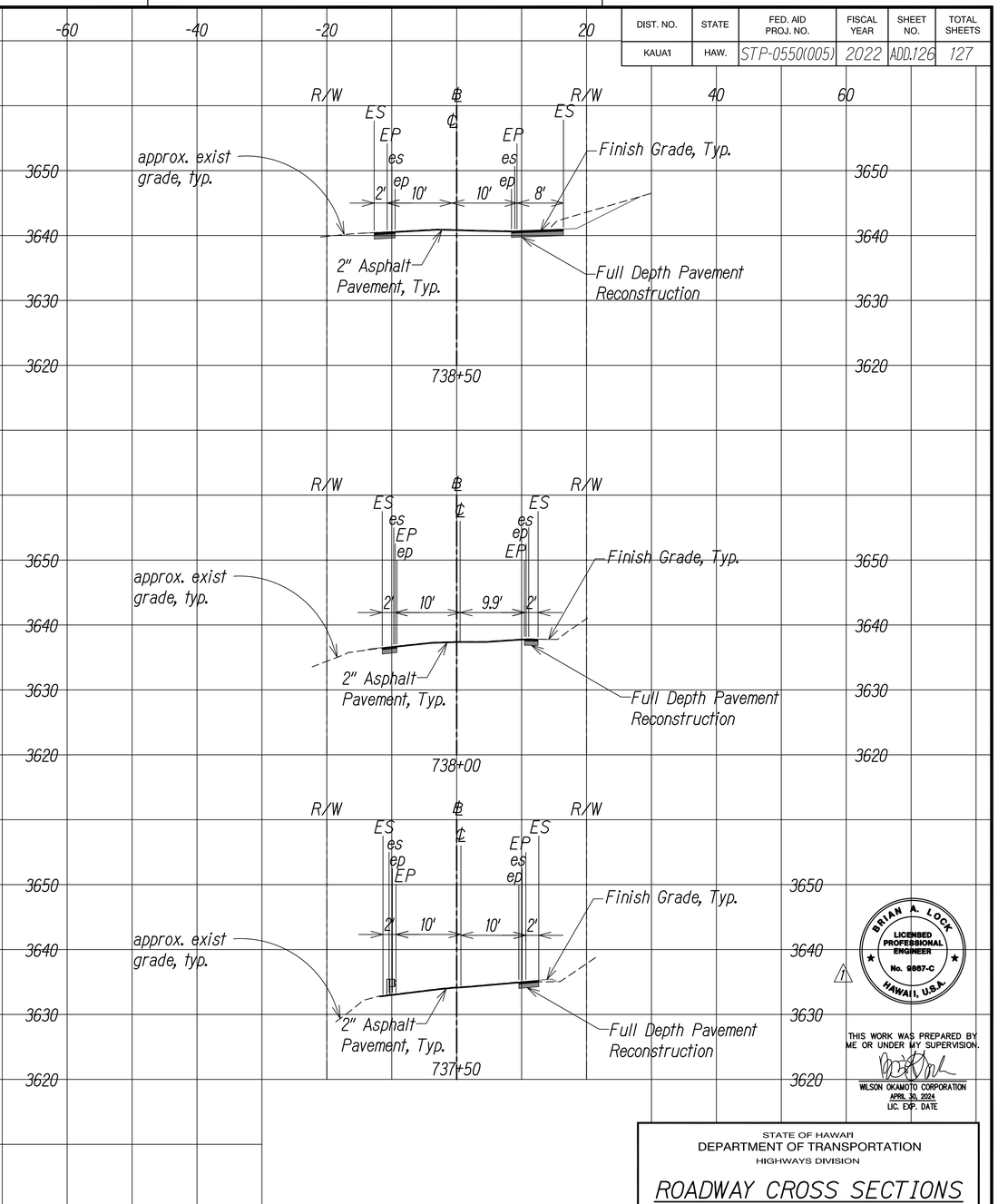
SHEET No. 45 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 125

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.126	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 9887-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

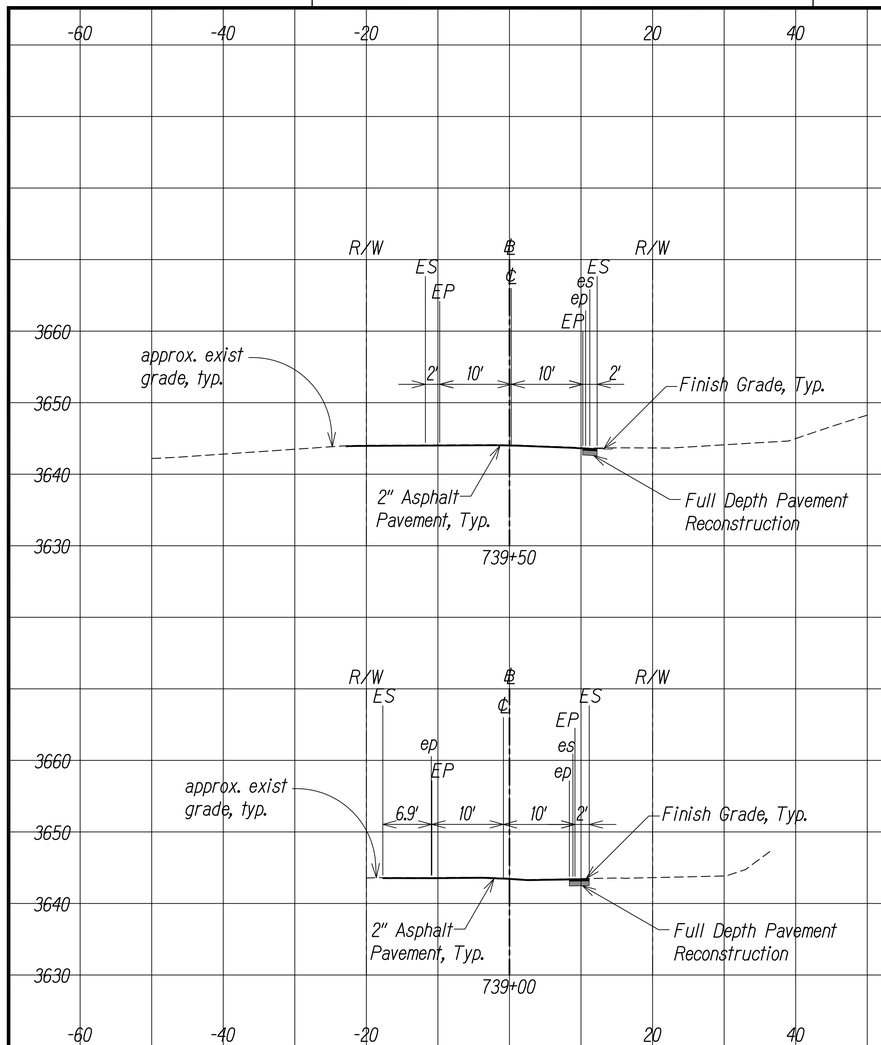
Scale: 1" = 10' Date: August 2022

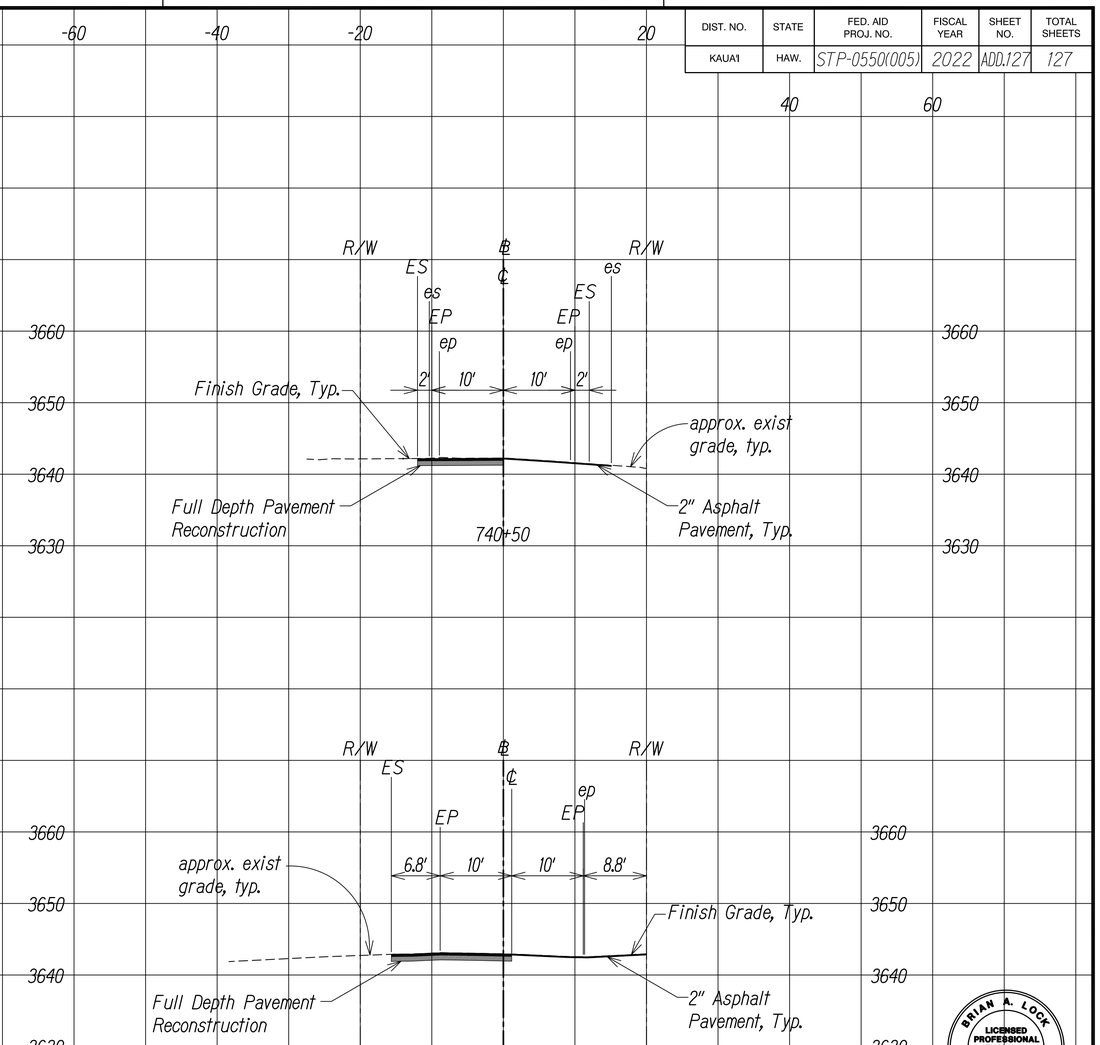
SHEET No. 46 OF 47 SHEETS

COPY OF ORIGINAL TRACING

ADD 126

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD.127	127





GRAPHIC SCALE

10' 5' 0 10' 20'

SCALE: 1" = 10'

KOKEE ROAD

Scale: 1" = 10'

DATE	REVISION
11/07/22	⚠1 Revised Engineer's Stamp

BRIAN A. LOCK
LICENSED PROFESSIONAL ENGINEER
No. 6867-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE / KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)

Scale: 1" = 10' Date: August 2022

SHEET No. 47 OF 47 SHEETS

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

COPY OF ORIGINAL TRACING

ADD 127

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
201.0100	Clearing and Grubbing	2	AC	$ _____	$_____
203.0100	Roadway Excavation	2,400	CY	$ _____	$_____
209.0100	Installation, Maintenance, Monitoring, and Removal of BMP	LS	LS	LS	$_____
209.0200	Additional Water Pollution, Dust, and Erosion Control	FA	FA	FA	$ 250,000.00
301.0100	Hot Mix Asphalt Base Course	2,100	TN	$ _____	$_____
305.0100	Aggregate Subbase	1,700	CY	$ _____	$_____
401.0410	PMA Pavement, Mix No. IV	5,200	TN	$ _____	$_____
401.9000	Pavement Smoothness Incentive	Allow	Allow	Allow	$ 3,000.00
414.0110	Excavation of Weakened Pavement Areas	900	CY	$ _____	$_____
415.0110	Cold Planing of Existing Pavement	29,500	SY	$ _____	$_____
603.0100	Clean Existing Culverts	FA	FA	FA	$ 60,000.00
606.2000	31'' W-Beam Guardrail with Standard 8'' Offset Block, Steel 6-Ft Posts	5,000	LF	$ _____	$_____
606.2008	31'' W-Beam Guardrail with Standard 8'' Offset Block, Steel 8-Ft Posts, Double Nested	315	LF	$ _____	$_____
606.5000	Terminal Section, MSKT-SP-MGS, SoftStop, Max Tension or Approved Equal	20	EA	$ _____	$_____

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
606.5100	Type A End Section	6	EA	$ _____	$_____
629.1010	Double 4-Inch Pavement Striping (Thermoplastic Extrusion)	14,350	LF	$ _____	$_____
629.1020	6-Inch Pavement Striping (Thermoplastic Extrusion)	29,300	LF	$ _____	$_____
629.1050	12-Inch Pavement Striping (Thermoplastic Extrusion)	40	LF	$ _____	$_____
629.2020	Type C Pavement Marker	1,400	EA	$ _____	$_____
629.2030	Type D Pavement Marker	2,800	EA	$ _____	$_____
630.1100	Panel for Destination Sign (Flat Panel)	60	SF	$ _____	$_____
630.1610	4.00 lbs/ft Flanged Channel Post for Destination Sign	4	EA	$ _____	$_____
631.0110	Regulatory Sign (10 Sq. Ft. or Less)	9	EA	$ _____	$_____
631.0230	Warning Sign (10 Sq. Ft. or Less)	12	EA	$ _____	$_____
631.0300	Miscellaneous Sign	10	EA	$ _____	$_____
631.0320	Supplemental Plaque	6	EA	$ _____	$_____
632.0500	Milepost Marker with Post (Bi-Directional)	6	EA	$ _____	$_____
632.0120	Reflector Marker (RM-3) with Steel Post	80	EA	$ _____	$_____
632.0122	Reflector Marker (RM-3) with Flexible Delineator	20	EA	$ _____	$_____

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
632.1012	Type II Object Marker (OM2-2H)	35	EA	$ _____	$_____
632.1022	Type II Object Marker (OM2-2V)	18	EA	$ _____	$_____
632.1050	Type V Object Marker (OM-5)	26	EA	$ _____	$_____
636.1000	Additional E-Construction Programs, Additional Licenses or Additional Equipment	FA	FA	FA	$ 10,000.00
641.0100	Hydro-Mulch Seeding	9,680	SY	$ _____	$_____
645.1000	Traffic Control	LS	LS	LS	$_____
645.2000	Additional Police Officers, Additional Traffic Control Devices	FA	FA	FA	$ 200,000.00
648.1000	Field Posted Drawing	LS	LS	LS	$_____
671.1000	Protection of Threatened and Endangered Species	FA	FA	FA	$ 20,000.00
699.1001	Mobilization (Not to Exceed 6% of the Sum of All Items Excluding the Bid Price of this Item)	LS	LS	LS	$_____
a. Sum of All Items ……					$ _____

NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.
Bids shall include all Federal, State, County and other applicable taxes and fees.
The Sum of All Items will be used to determine the lowest responsible bidder.
If a discrepancy occurs between unit bid price and the bid price, the unit price will govern.

MINUTES OF THE PRE-BID MEETING

PROJECT:	Waimea Canyon Drive/Kokee Road Improvements, Phase 2A, Mile Post 11.5 to 14.0 District of Waimea, Island of Kauai
PROJECT NO.:	STP-0550(005)
LOCATION:	Microsoft Teams Video Conference
DATE & TIME:	October 27, 2022 at 10:00 A.M.

IN ATTENDANCE:		
	Eric Fujikawa	HDOT – HWY-K
	Daniel Williams	HDOT – OCR
	Kevin Higashi	Wilson Okamoto Corporation
	Sam Peng Ho	Jas W. Glover, Ltd.
	David Nawai	Cushnie Construction Company, Inc.
	Cole Millare	Grace Pacific LLC
	Jason Ames	Grace Pacific LLC
	Emmanuel Minde	Global Specialty Contractors
	Devin Quinn	Earthworks Pacific, Inc.

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

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

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

Attention was brought to the Historical Preservation Notes to install construction fencing around culvert heads and wingwalls adjacent to the roadway. Provide photos of the installation for submittal to SHPD.

The DBE goal of the project is 9.8%. Dan Williams provided an overview of DBE forms and requirements when submitting a bid. Links were provided to the bidder registration form (https://hidot.hawaii.gov/administration/files/2019/03/Bidder-Registration-Fillable-Form.pdf) and the DBE system website (https://hdot.dbesystem.com/).

The following questions were raised at the meeting:

Question #1: What is the reason for using DBE instead of SBE

Response: The SBE pilot project expired and projects are using DBE requirements again.

Question #2: If subs quote for mobilization, do we figure it into their pay items?
Response: The mobilization pay item (item no. 699.1001) won't be included for DBE goal calculations. Pay items performed by the subcontractor will be included for DBE goal calculations.

Question #3: How was the DBE goal calculation done?
Response: The pay items that are likely to be performed by a subcontractor is taken and used to identify DBE contractors that are capable to do the work. It is important to submit the good faith efforts form to document efforts in meeting the DBE goal.

Question #4: Are the headwalls that need to be protected explicitly shown and called out on the plans?
Response: We will confirm the existing headwalls are shown and identified in the plans via addendum.

Question #5: The 750 ton PMA pavement quantity appears low.
Response: We will confirm the estimated quantity and revise the proposal schedule if needed.

Question #6: How do you distinguish between widening vs. pavement reconstruction?
Response: Upcoming addendum will clarify delineation between pavement widening and pavement reconstruction efforts.

Question #7: Are the working hours only at night?
Response: Yes

Question #8: Are there staging areas identified for the project?
Response: Staging areas are identified in the State Parks ROE document. Additional staging area needs will be the responsibility of the contractor.

Eric Fujikawa noted that the bid opening is November 17 at 2 P.M.

The pre-bid meeting was adjourned at 10:26 A.M.

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

CONTRACTOR RFI'S AND RESPONSES

1. What is the difference between Item No. 203.0100 Roadway Ex and Item No. 414.0110 Excavation Of Weakened Pavement Areas?

   Response: Item 203.0100 includes the demolition and excavation of the existing shoulders, full depth pavement removal. Item 414.0110 includes the demolition and excavation of the areas of existing travel lane full depth pavement reconstruction. Additional information has been added to Demolition & Erosion Control Plans to differentiate these areas. See Addendum No. 1.

2. Please confirm if quantity for Item No. 401.0410 PMA Pavement (750 Tons) is correct. Doesn't seem to add up to the cold planing and excavation quantities.

   Response: Quantity has been updated, see Addendum No. 1.

3. Please confirm if staging areas will be provided to contractor.

   Response: Staging areas are identified in the State Parks ROE document. Additional staging area needs will be the responsibility of the Contractor.

4. Please confirm that all work will need to be done during night work hours stated in Noise Variance.

   Response: Confirmed.

5. It was mentioned in the prebid that there are some historical structures that need to be protected during construction. Can these historical structures be highlighted in the plans?

   Response: Existing culvert headwalls to remain are identified in the Demolition and Erosion Control Plans.

6. Item 203.0100 - Roadway Excavation - Please confirm if this is for the road widening work. May you adjust plans to include different hatching/pattern marking in the plans to differentiate item scope work?

Response: See Response to Question 1. See Addendum No. 1.

7. Item 414.0110 - Excavation of Weakened Pavement Areas- Please confirm if this is for the full depth repair work. May you adjust plans to include different hatching/pattern marking in the plans to differentiate item scope work?

   Response: See Response to Question 1. See Addendum No. 1.

8. Item 203.0100 - Roadway Excavation – Proposal quantity seems to be greater than plan quantity. May you please confirm?

   Response: See Addendum No. 1

9. Item 414.0110 - Excavation of Weakened Pavement Areas – Proposal quantity seems to be greater than plan quantity. May you please confirm?

   Response: See Addendum No. 1

10. Item 401.9000 – Pavement Smoothness Incentive – What is the allowance amount for this item?

    Response: See Addendum No. 1

11. Can a compost filter sock be used in lieu of the aggregate filter bag?

    Response: No

12. Requesting to waive pavement smoothness requirements

    Response: The pavement smoothness requirements will not be waived.

13. Are there any weight limits within the project site that would impede work flow?

    Response: No weight limits within project site.

14. Can water filled barriers be used in lieu of triton concrete barriers?

Response: Approved equal barriers shall meet TL level as indicated on plans.

15. Can grubbed material be spread on site? Or does it need to be disposed of offsite?

    Response: Disposed of offsite

16. Does the DOT/State have any interests in any of the spoils? If so, where would the haul out site be?

    Response: See response to Question 15.

17. Should Proposal Item No. 671.1000 Protection of Threatened and Endangered Species be a Force Account item? Special Provisions Section 671 shows payment as Force Account but Proposal shows Lump Sum.

    Response: Item 671.1000 Protection of Threatened and Endangered Species is Force Account. See Addendum No. 1.

18. ITEM NO. 301.0100 - HOT MIX ASPHALT BASE COURSE – Proposal quantity seems to be less than plan quantity. May you please confirm?

    Response: See Addendum No. 1

19. ITEM NO. 401.0410 - PMA PAVEMENT, MIX NO. IV – Proposal quantity seems to be less than plan quantity. May you please confirm?

    Response: See Addendum No. 1

20. Please clarify bid item 671.1000 Protection of Threatened and Endangered Species. The spec section shows it to be paid by force account but the proposal shows it as a lump sum item. This is normally a force account item.

    Response: Item 671.1000 Protection of Threatened and Endangered Species is Force Account. See Addendum No. 1.

21. There is a significant amount of ac pavement under guardrails. Will the State consider adding an item for paving under guardrails?

    Response: Pavement under guardrails is included in Item 401.0410 PMA Pavement, Mix No. IV. See Addendum No. 1

22. Item 401.9000 Pavement Smoothness Incentive. Is there a budgetary cost for this?

    Response: See Addendum No. 1

23. Is there a water source available to the contractor near the project site?

    Response: No water source within HDOT jurisdiction.

24. Referencing Section 641 of the HI Standard Specs, will the Planting Period and Plant Establishment (9 Months after Planting Period) apply to the Hydro-Mulch Seeding?

    Response: Yes, planting period and plant establishment will apply.

25. What is the estimated start date of this project?

    Response: February 2023