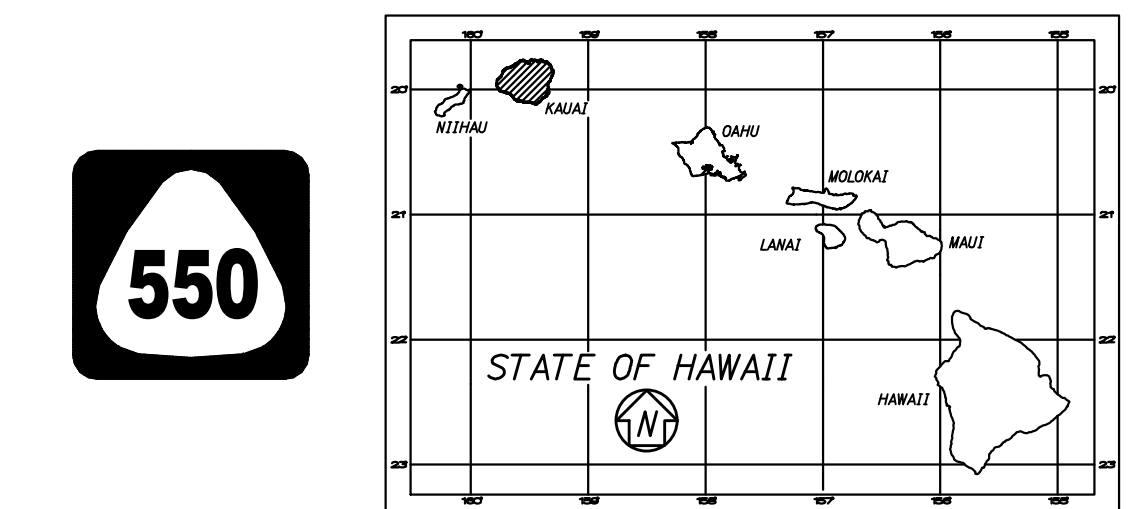


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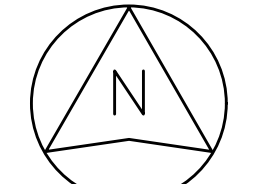
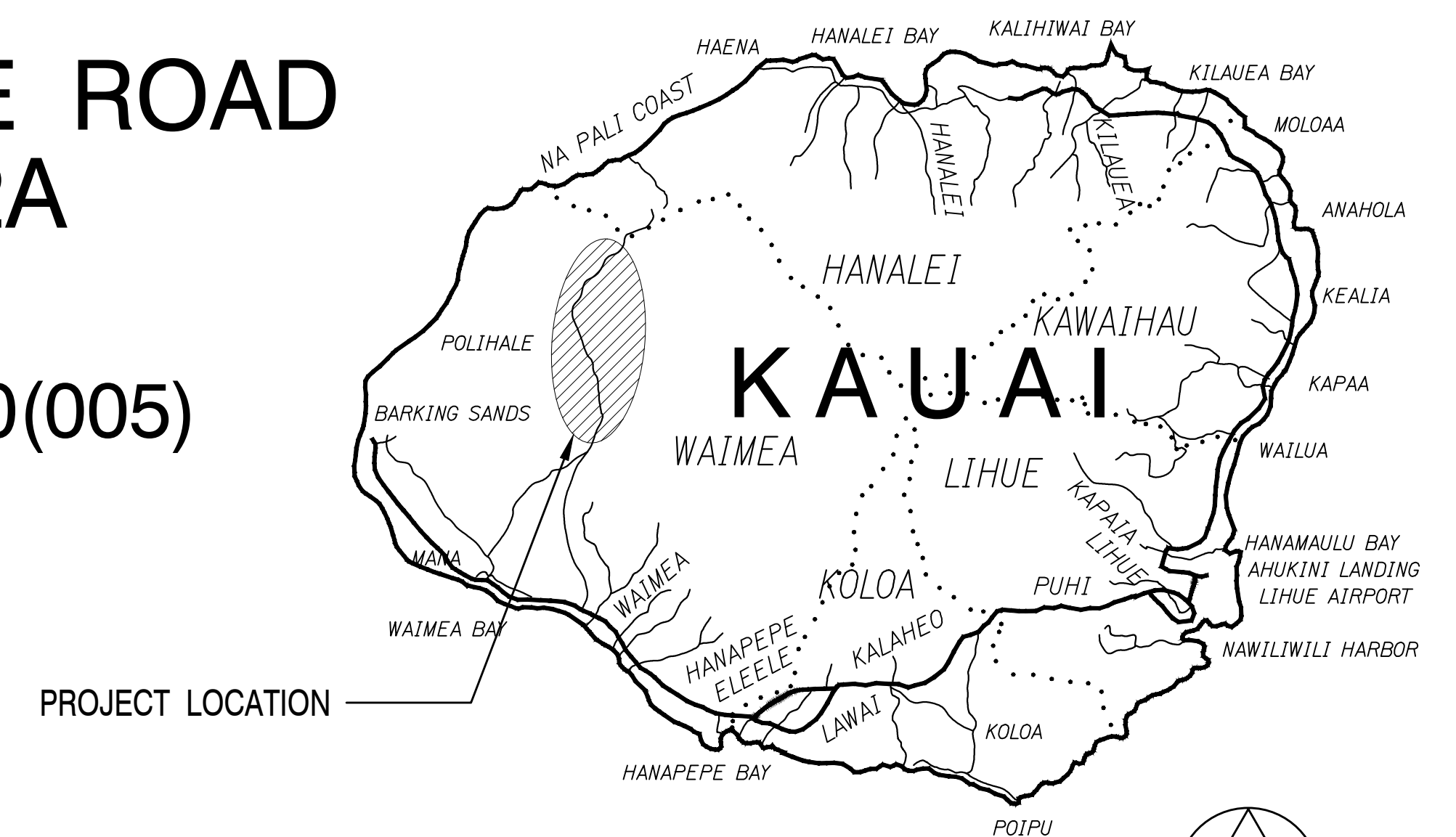
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	1	127



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)

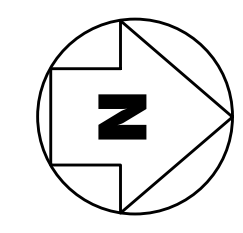
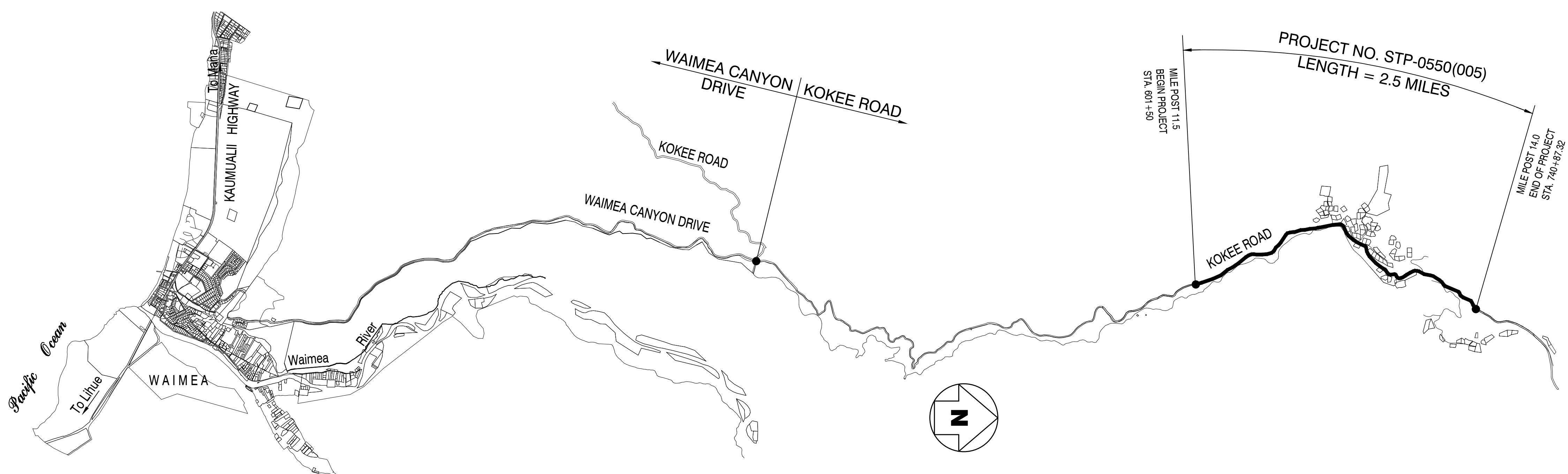
DISTRICT OF WAIMEA
ISLAND OF KAUAI



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

MILE POST 11.5 TO MILE POST 14.0

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



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: _____ Jul 25, 2022
for DIR. OF TRANSPORTATION DATE

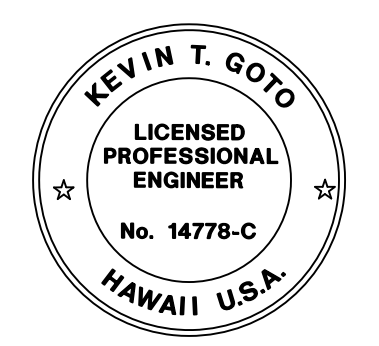
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QUANTITIES BY	
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DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	3	127

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	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
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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

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

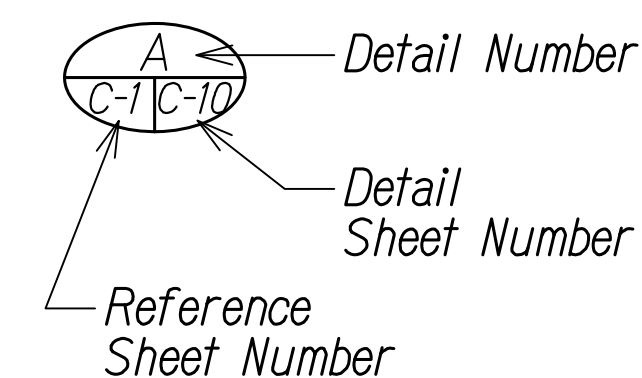
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	4	127

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



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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APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LEGEND AND ABBREVIATIONS

WAIMEA CANYON DRIVE /
KOEKE 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

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	5	127

A. GENERAL:

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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:

- 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.

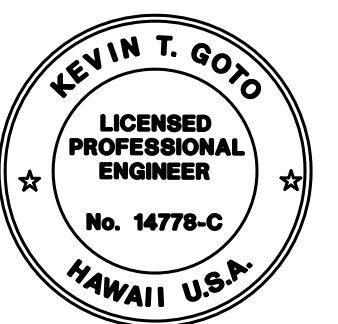
C. EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:

- 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.
- For projects without an NPDES Permit for Construction Activities, inspect all control measures weekly.
- 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.

- 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.

- 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.
- Inspect temporary and permanent seeding and planting for bare spots, washouts and healthy growth.
- Complete and submit to the Engineer a maintenance inspection report within 24 hours after each inspection.
- 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.
- Include designated Concrete Washout Area(s) in the Water Pollution, Dust, and Erosion Control submittals.
- Submit the name of a specific individual designated responsible for inspections, maintenance and repair activities and filling out the inspection and maintenance report.
- 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.

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

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

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	6	127

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

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	7	127

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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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER POLLUTION AND EROSION CONTROL NOTES

WAIMEA CANYON DRIVE /
KOEKE 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

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	8	127

GRADING NOTES:

TEMPORARY DUST CONTROL MEASURES FOR GRADING

- 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.
- 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.
- 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

- 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.
- 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

- 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.
- The Contractor shall grass all exposed areas that have been constructed to final grades within a period of 30 Calendar Days.
- In lieu of grass sprigs (Note 1), the Contractor may use Hydromulch Seeding and Irrigation Sprinkler System.

GRADING PHASES

- 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:

- 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.
- 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.
- 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.
- 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 or more.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

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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

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

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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)
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KAUAI	HAW.	STP-0550(005)	2022	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,

- 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 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.

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 habitats

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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. 1 OF 2 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	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 freyenetianum* and *S. ellipticum*) occur in very limited abundance within the project area. Removal of these species of sandalwood shall be avoided.

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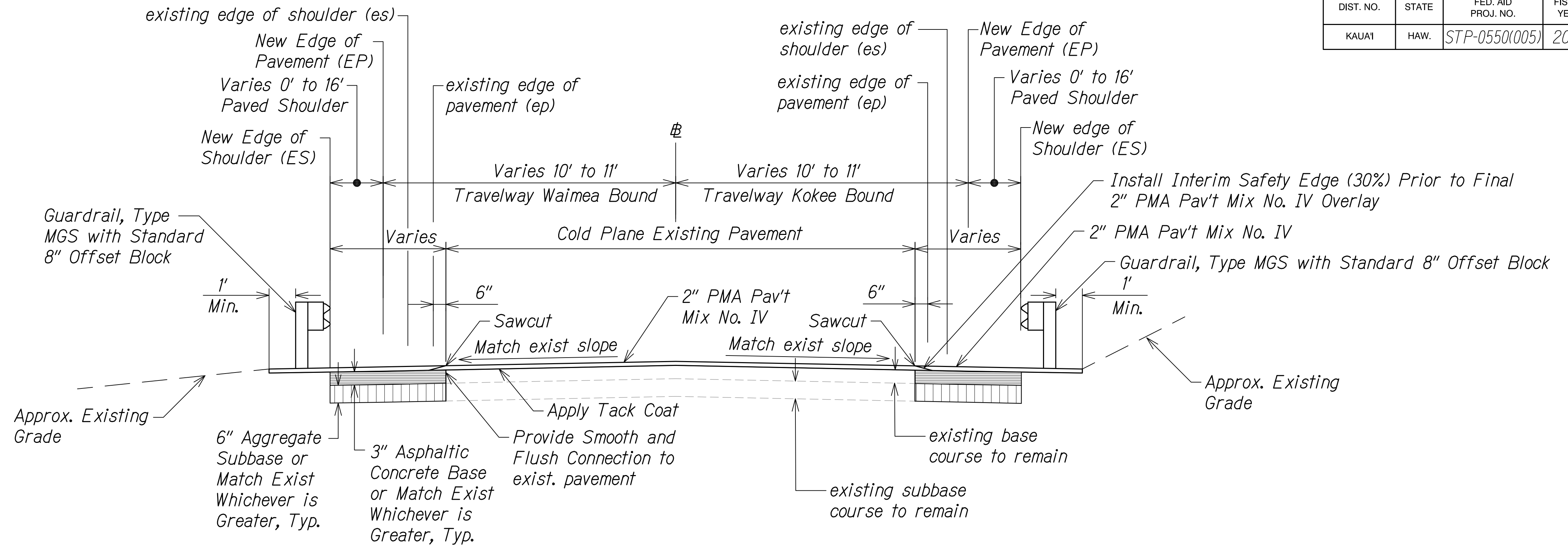
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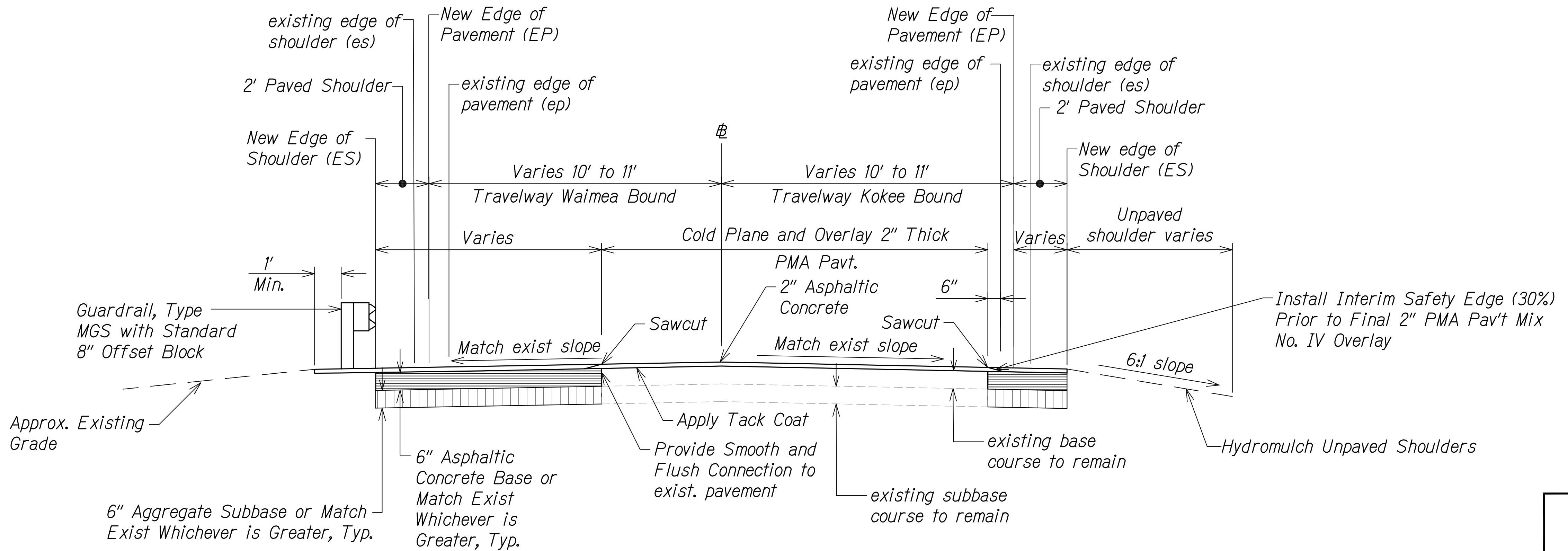
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	12	127

Notes:

1. Recompact Subgrade to 95% Relative Compaction Before Placing New Pavement Structure.
2. See 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.



TYPICAL SECTION
Not to Scale



Pavement Reconstruction Typical Section
Not to Scale

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



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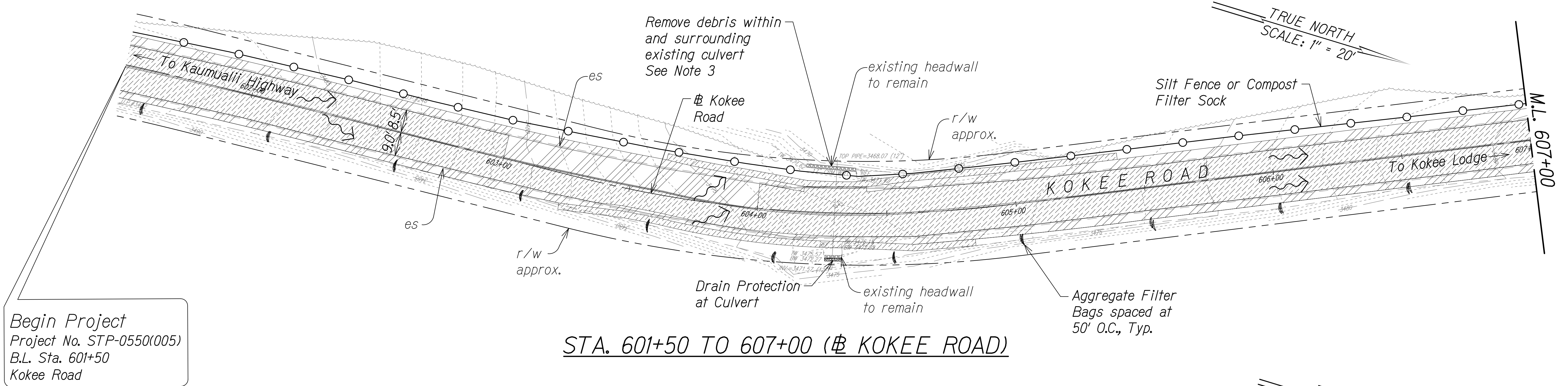
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL ROAD SECTION

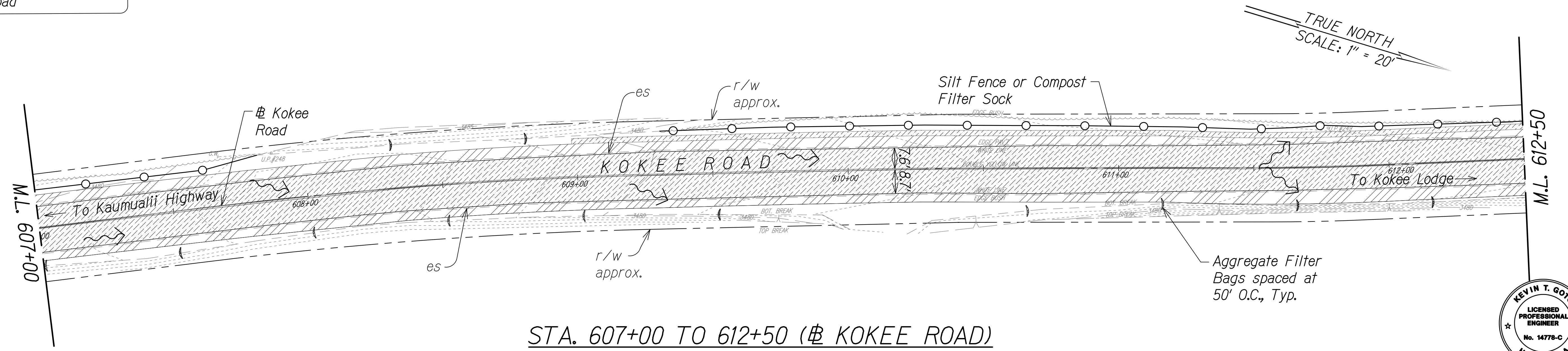
WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: Date: August 2022

SHEET No. 1 OF 1 SHEETS

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

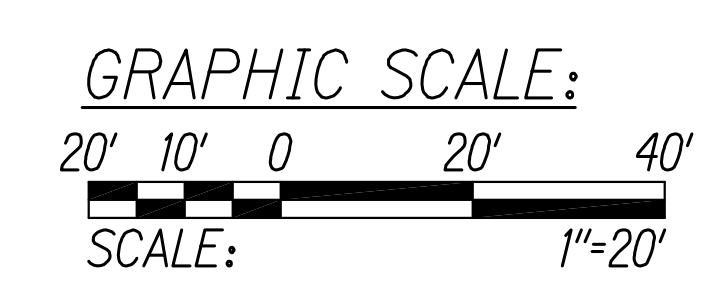


STA. 601+50 TO 607+00 (# KOKEE ROAD)



STA. 607+00 TO 612+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



Notes

- Coordinate Guardrail Replacement with Roadway Plan.
- 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.
- See Historical Preservation Notes.

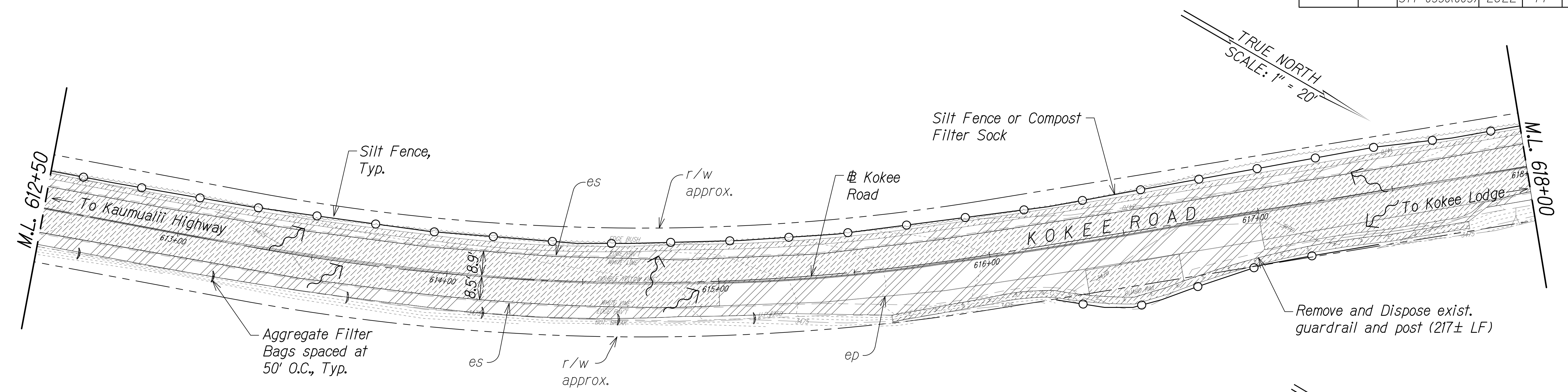
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	



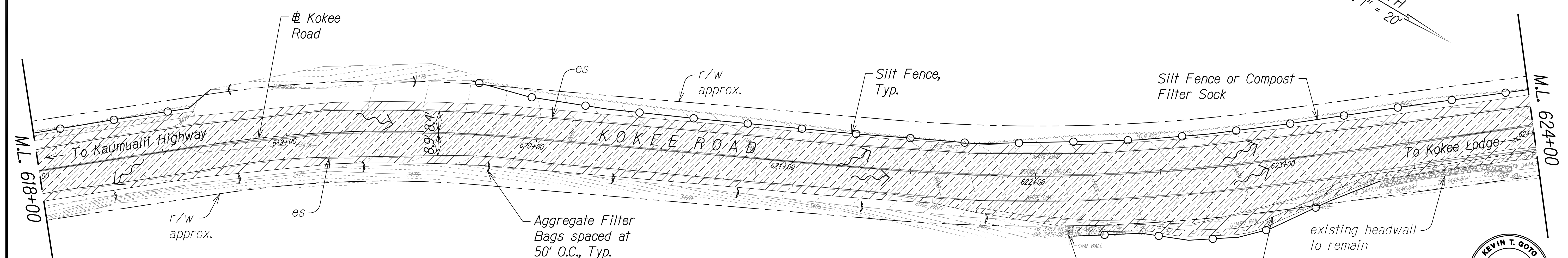
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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
DEMOLITION & EROSION CONTROL PLAN
 WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 20' Date: August 2022
 SHEET No. 1 OF 13 SHEETS

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



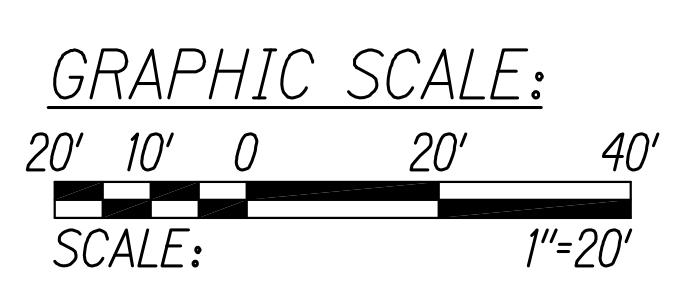
STA. 612+50 TO 618+00 (Kokee Road)



STA. 618+00 TO 624+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



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.

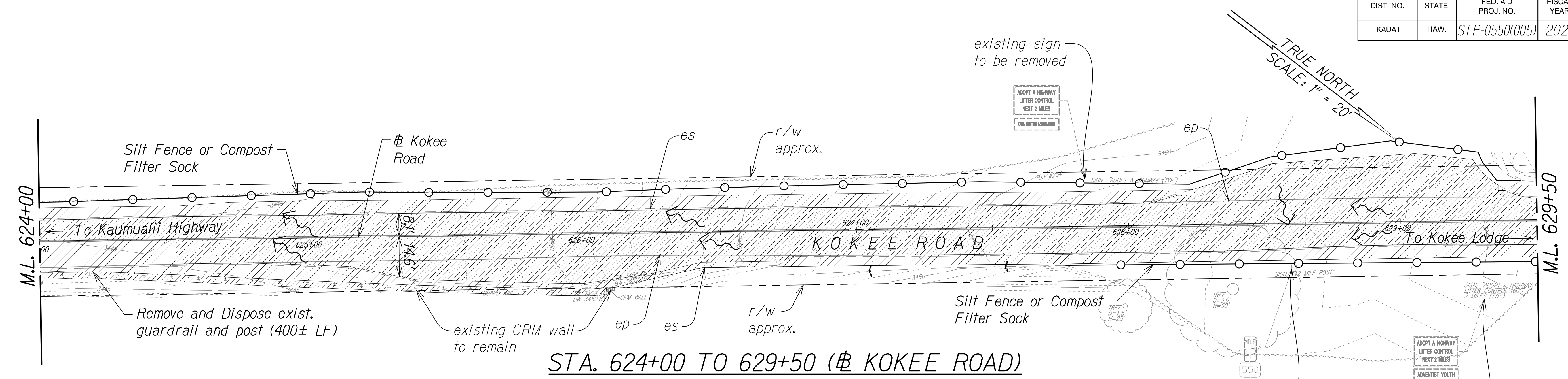
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	



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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

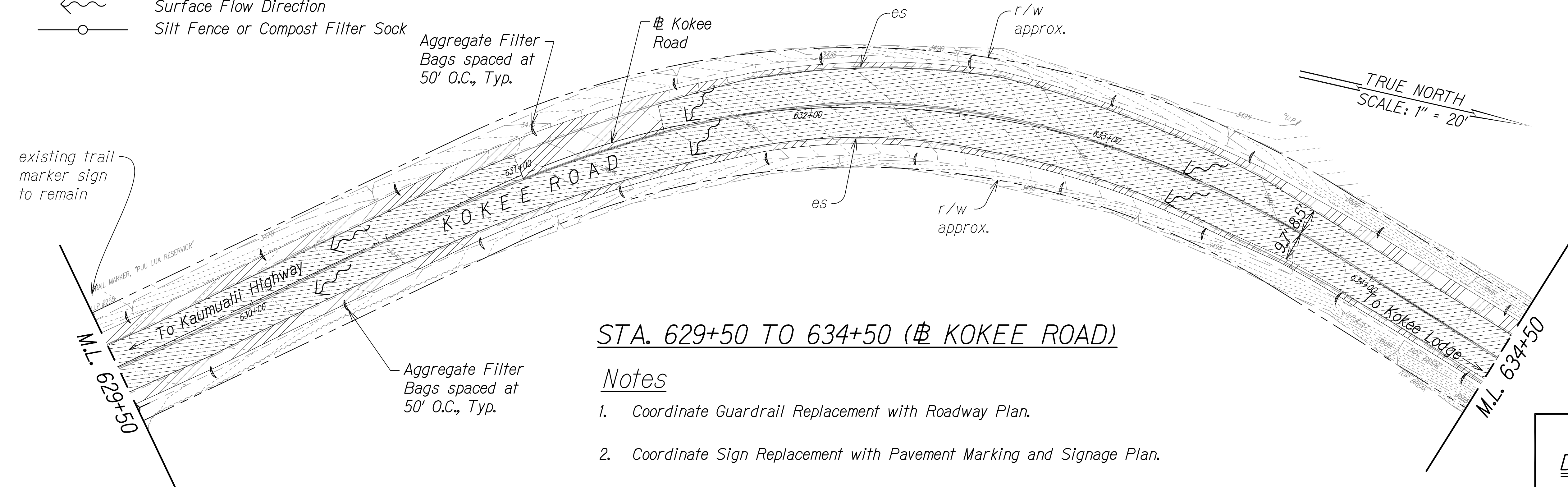
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	15	127



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

Legend:

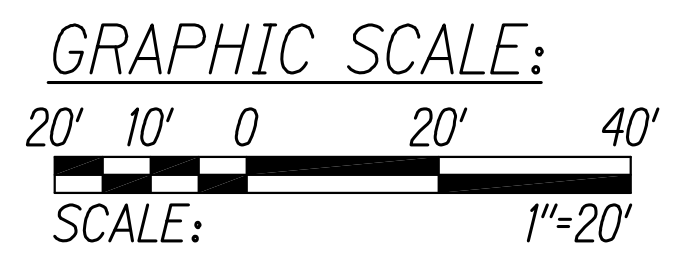
- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock



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.



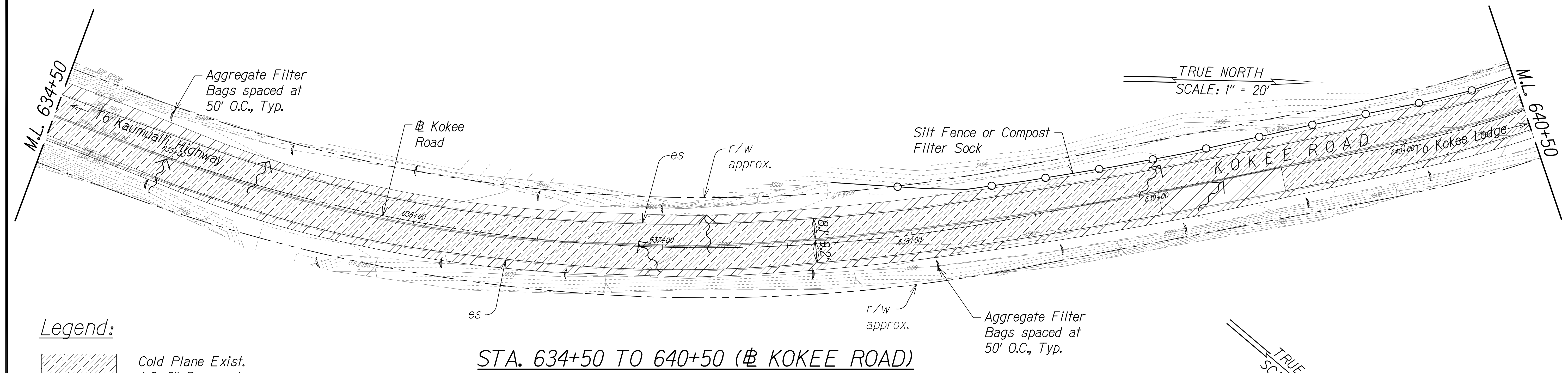
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	No.



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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. 3 OF 13 SHEETS

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



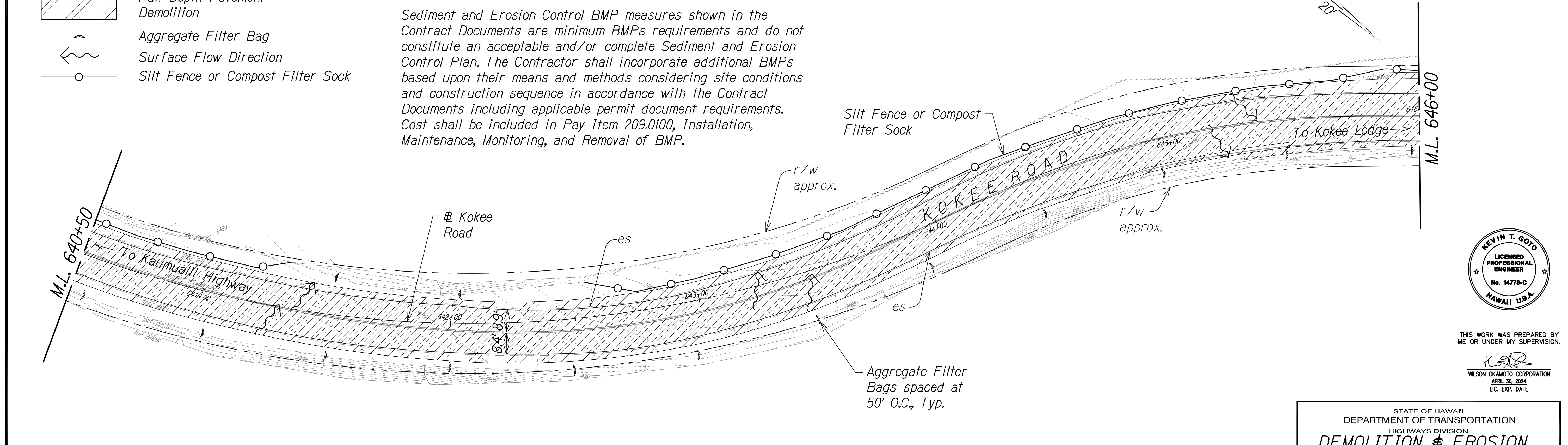
STA. 634+50 TO 640+50 (# KOKEE ROAD)

Legend:

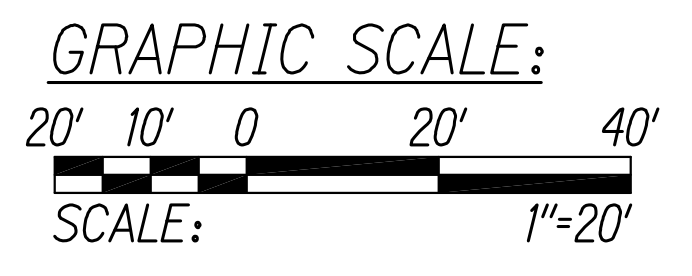
- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock

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)



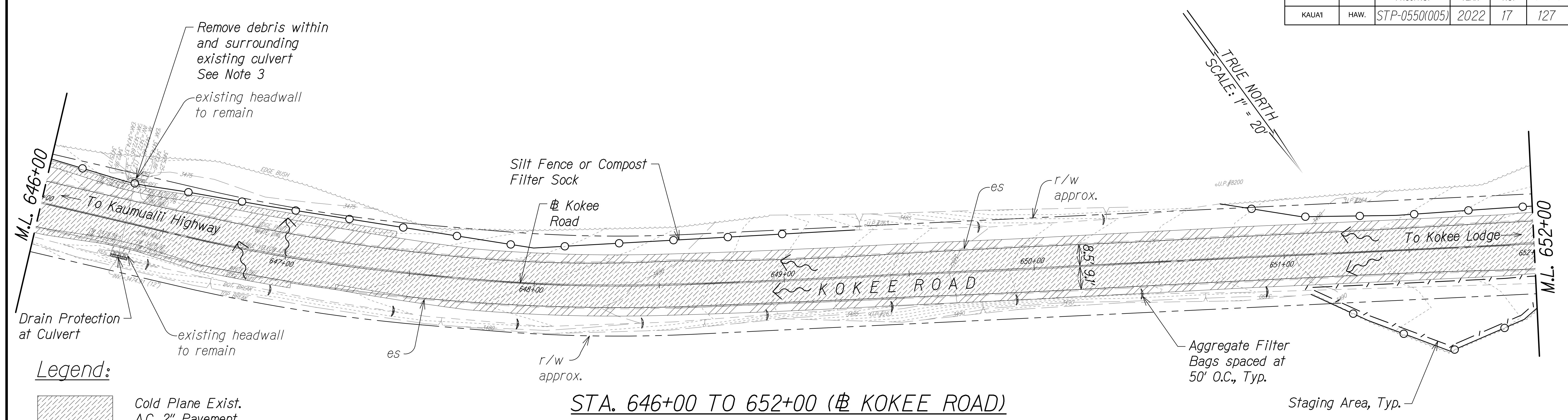
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK No.	



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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. 4 OF 13 SHEETS

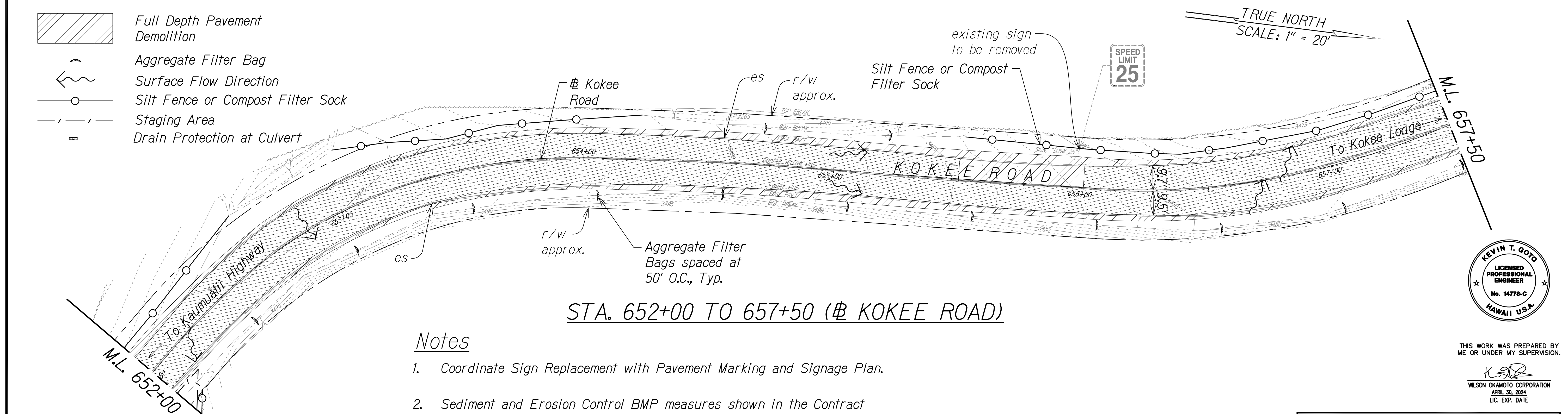
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	17	127



Legend:

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

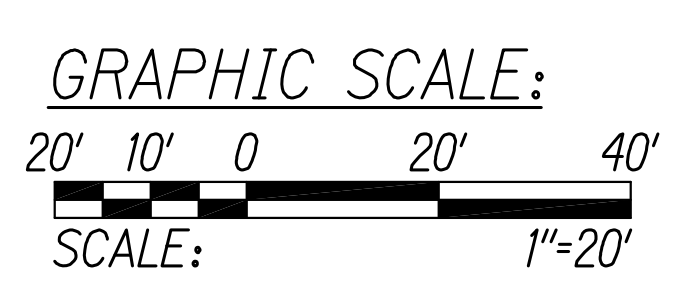
STA. 646+00 TO 652+00 (# KOKEE ROAD)



STA. 652+00 TO 657+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.
3. See Historical Preservation Notes.



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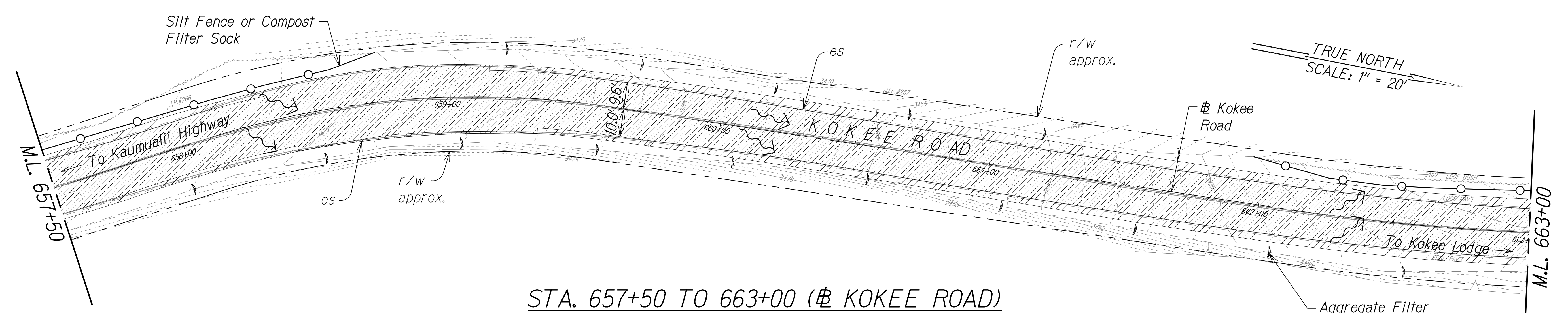
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**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

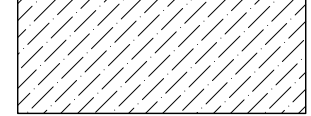
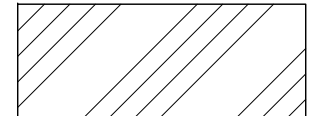



SHEET No. 5 OF 13 SHEETS

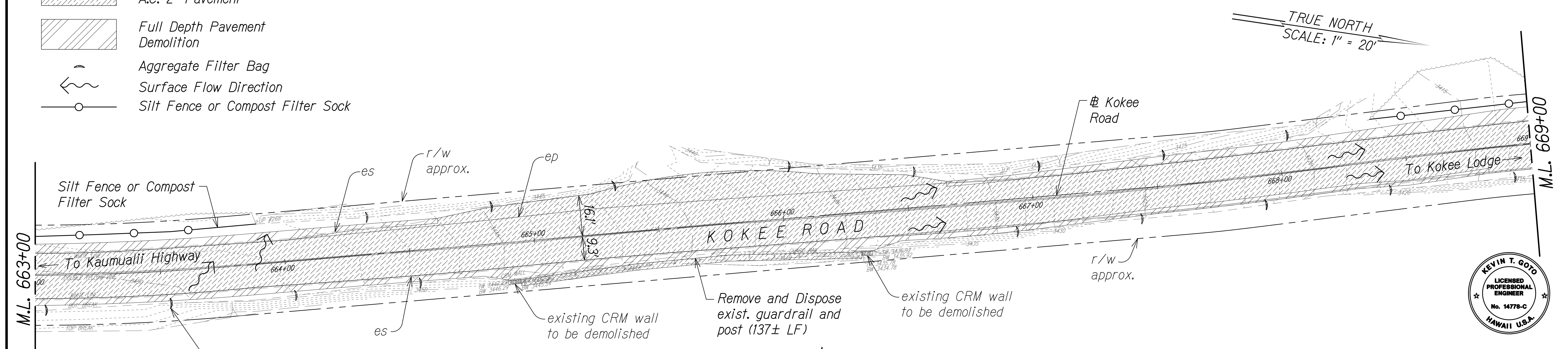
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	18	127



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

Legend:

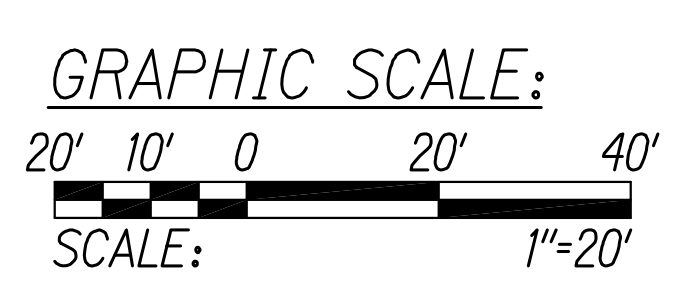
-  Cold Plane Exist. A.C. 2" Pavement
-  Full Depth Pavement Demolition
-  Aggregate Filter Bag
-  Surface Flow Direction
-  Silt Fence or Compost Filter Sock



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.



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TRACED BY	
NOTE BOOK	
QUANTITIES BY	
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APRIL 30, 2024
LIC. EXP. DATE

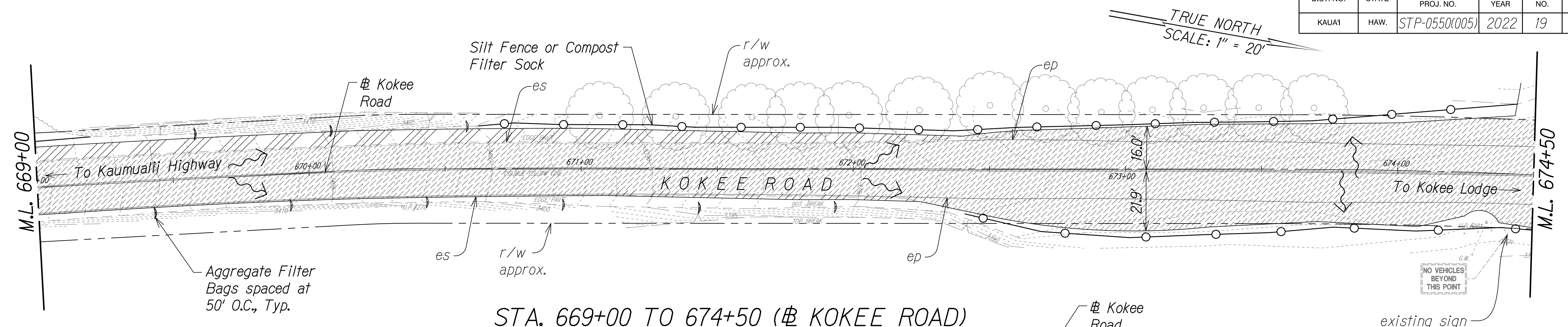
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

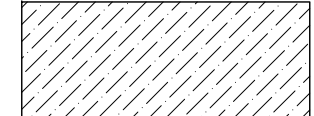
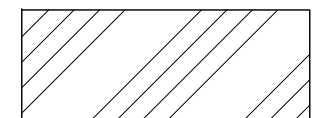

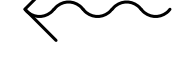
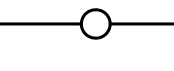
SHEET No. 6 OF 13 SHEETS

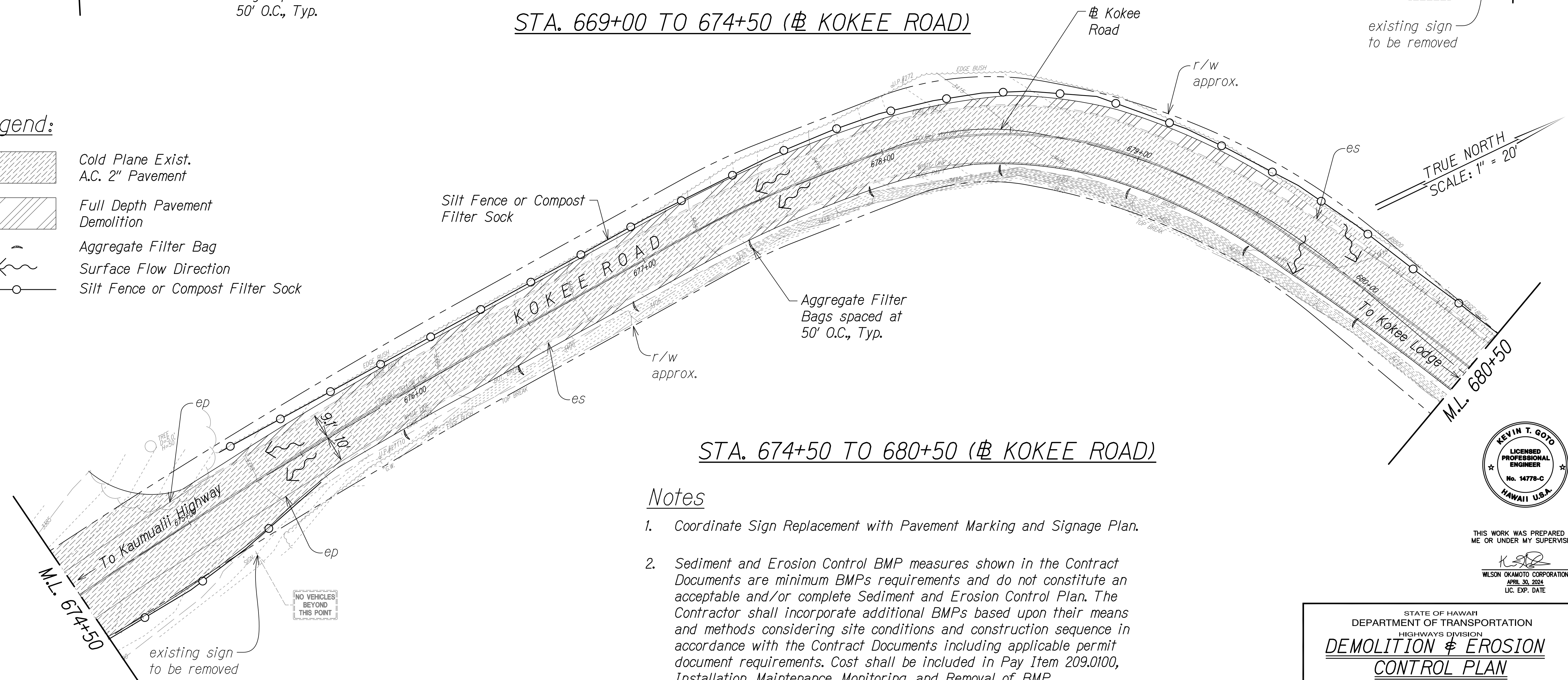
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	19	127



STA. 669+00 TO 674+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. 674+50 TO 680+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.
3. Trim trees to ensure traffic signs are visible. Coordinate with Pavement Marking and Signage Plan.

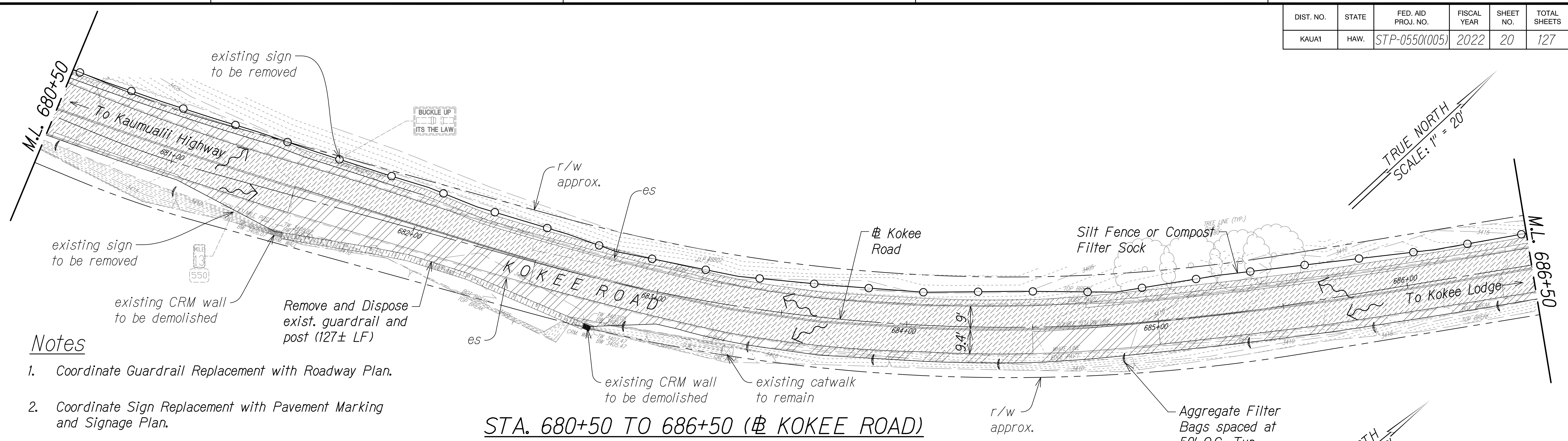
SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	



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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. 7 OF 13 SHEETS

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



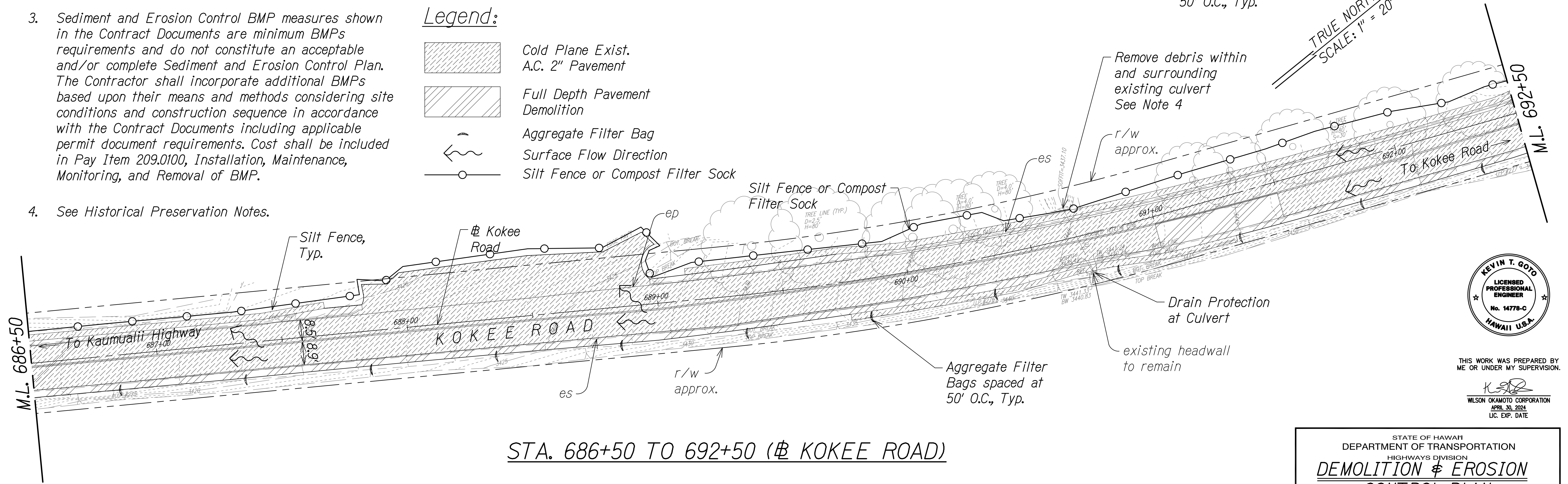
STA. 680+50 TO 686+50 (# KOKEE ROAD)

Notes

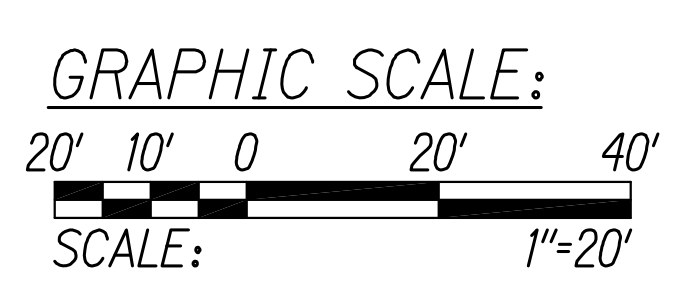
1. Coordinate Guardrail Replacement with Roadway Plan.
2. Coordinate Sign Replacement with Pavement Marking and Signage Plan.
3. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion 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)



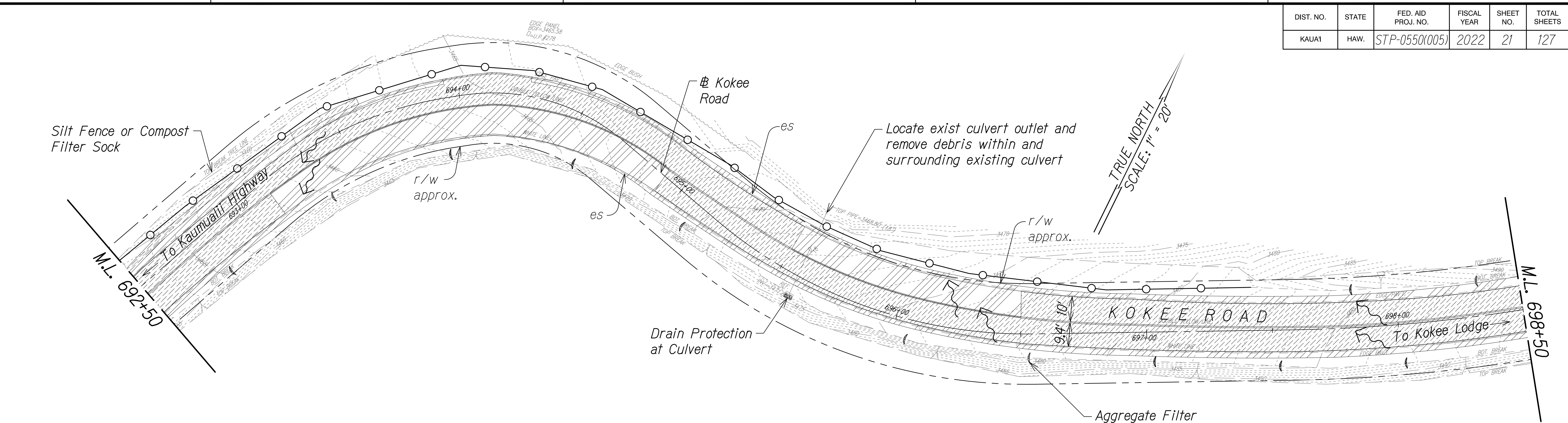
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	No.



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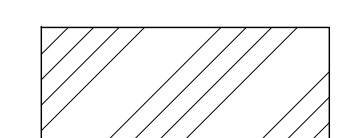

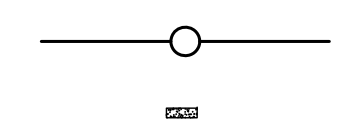

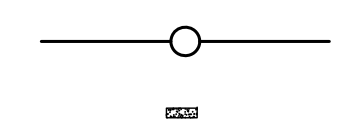
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
DEMOLITION & EROSION CONTROL PLAN
 WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 20' Date: August 2022
 SHEET No. 8 OF 13 SHEETS

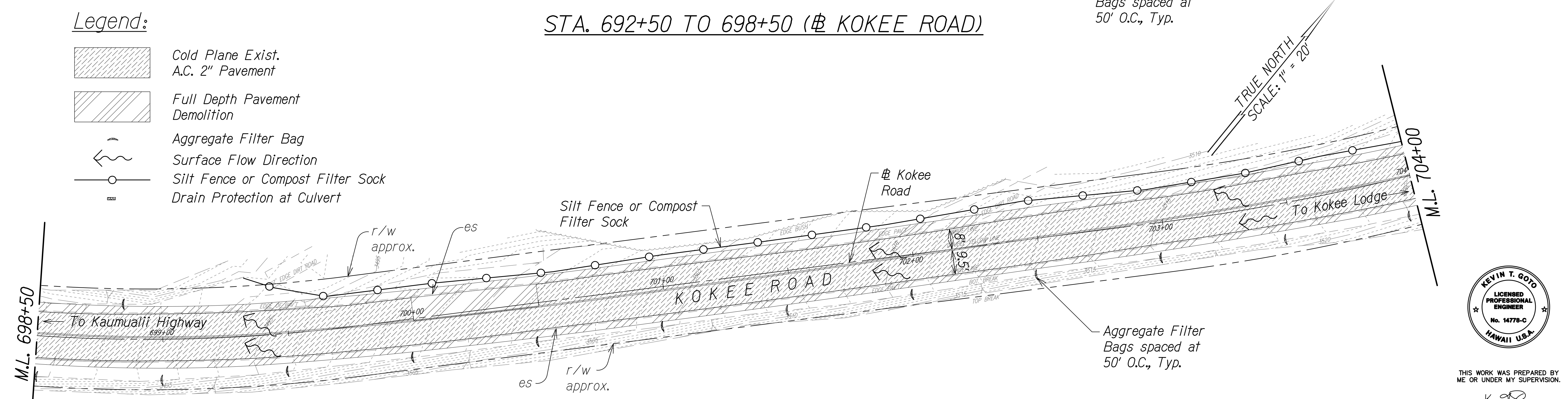
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	21	127



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.



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DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK No.	

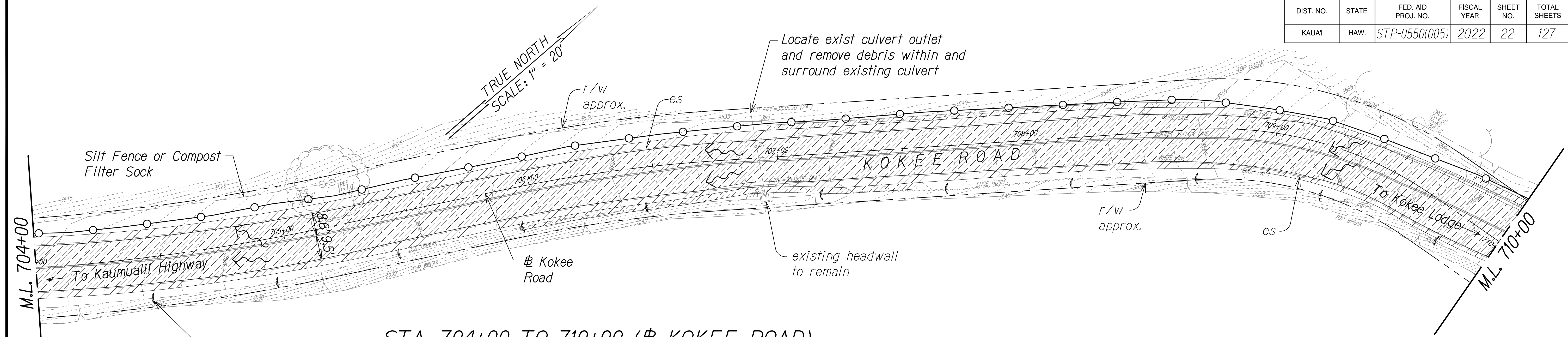


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APRIL 30, 2024
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DEMOLITION & EROSION CONTROL PLAN
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022
SHEET No. 9 OF 13 SHEETS

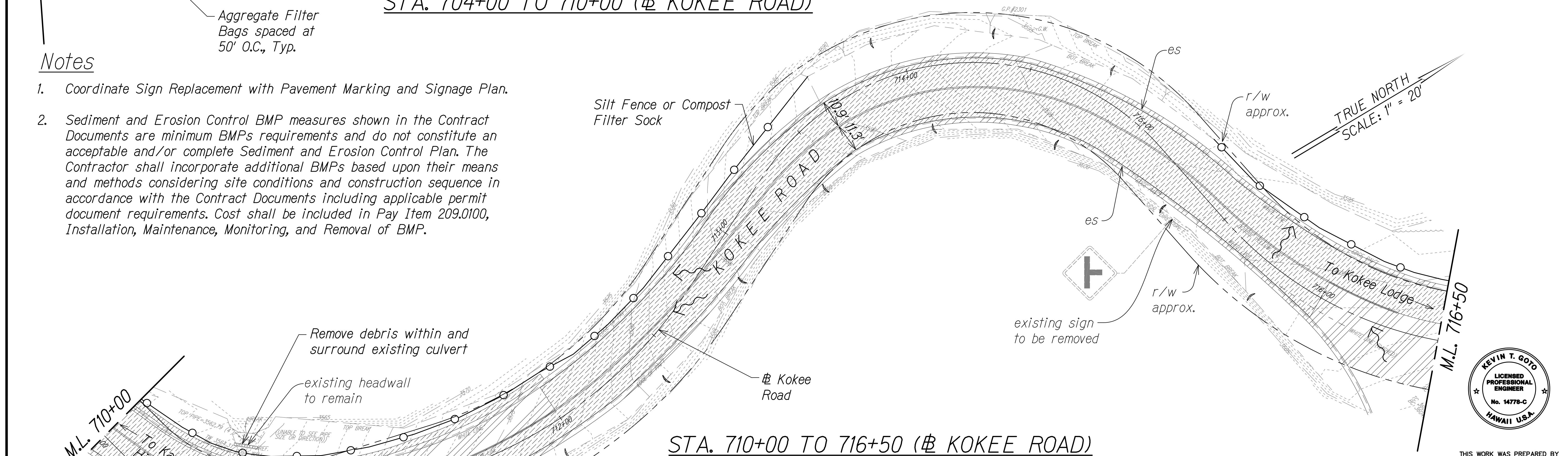
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	22	127



STA. 704+00 TO 710+00 (# KOKEE ROAD)

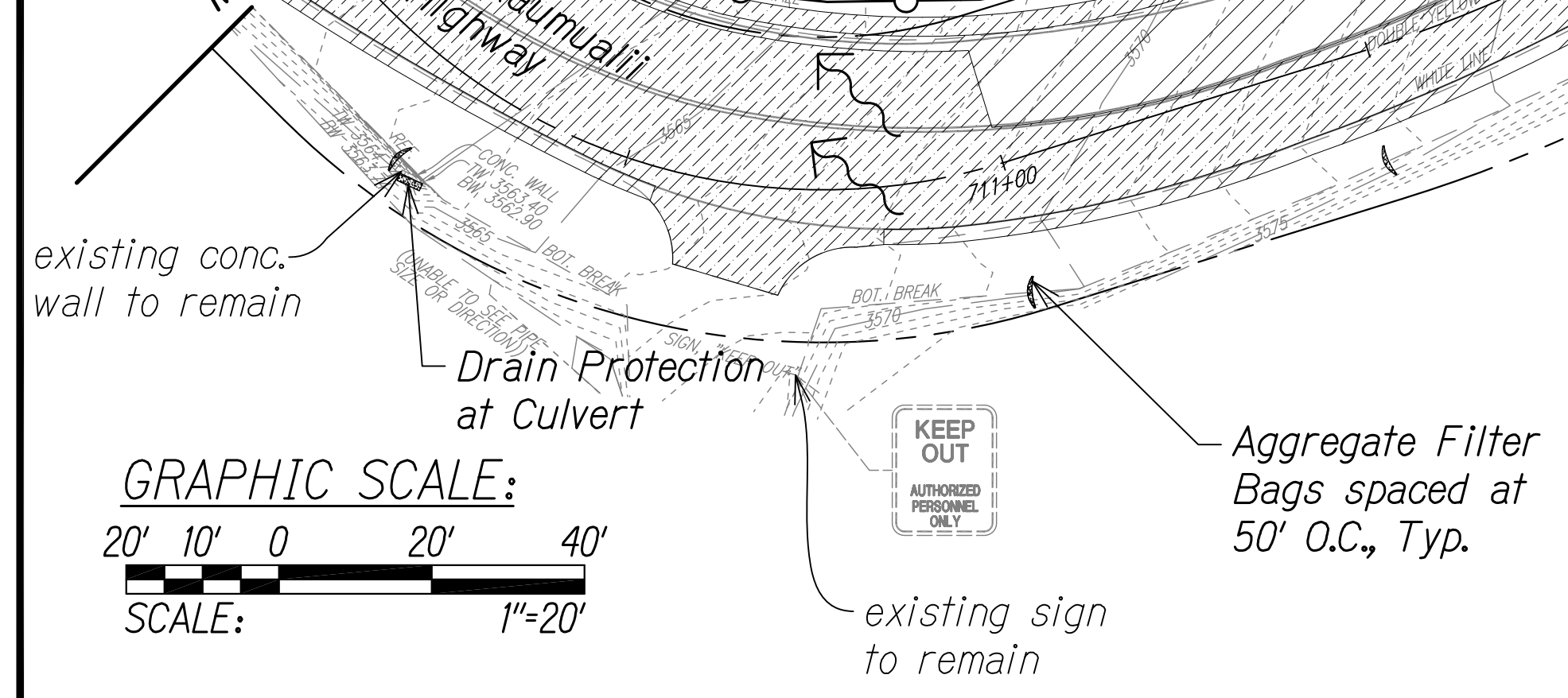
Notes

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.



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

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



Legend:

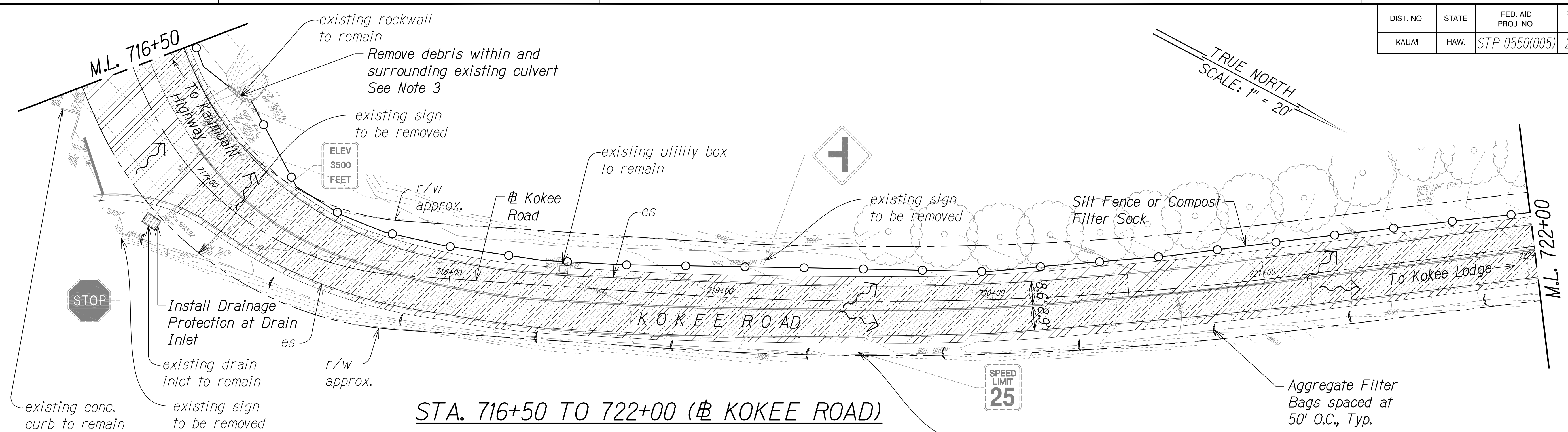
- Cold Plane Exist. A.C. 2" Pavement
- Full Depth Pavement Demolition
- Aggregate Filter Bag
- Surface Flow Direction
- Silt Fence or Compost Filter Sock
- Drain Protection at Culvert



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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
 SHEET No. 10 OF 13 SHEETS

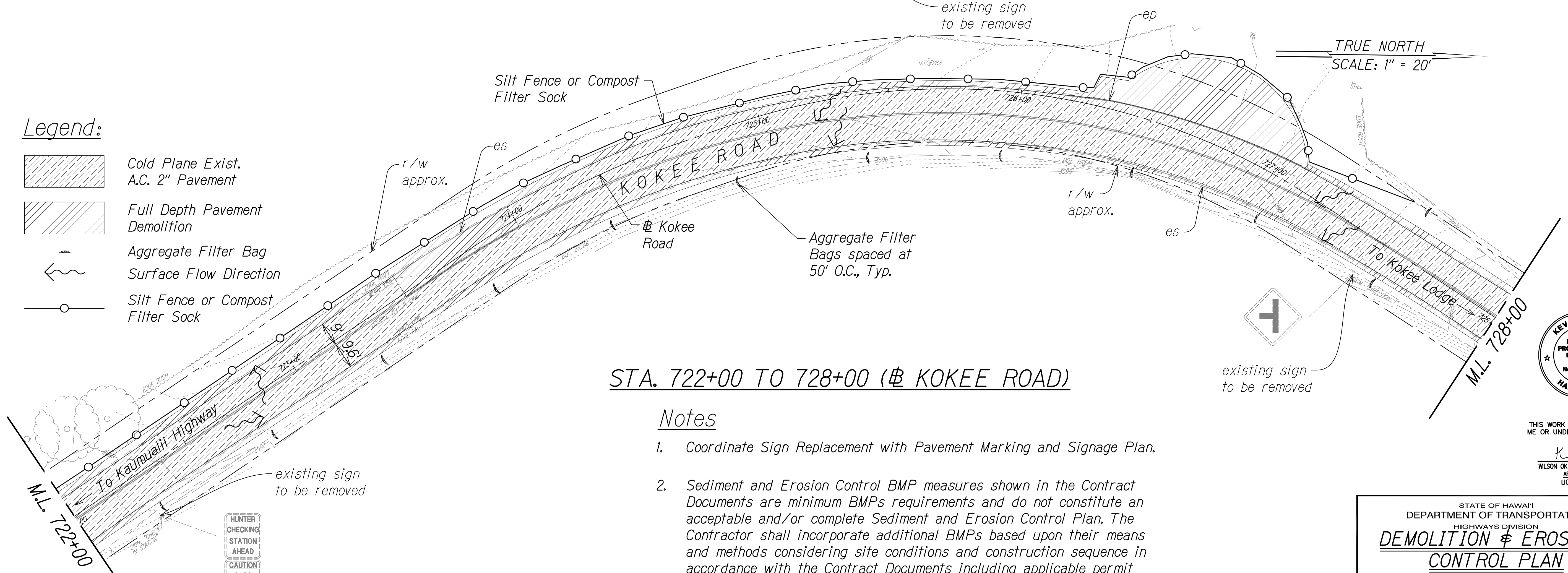
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	23	127



STA. 716+50 TO 722+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. 722+00 TO 728+00 (Kokee Road)

Notes

- Coordinate Sign Replacement with Pavement Marking and Signage Plan.
- 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.
- See Historical Preservation Notes.

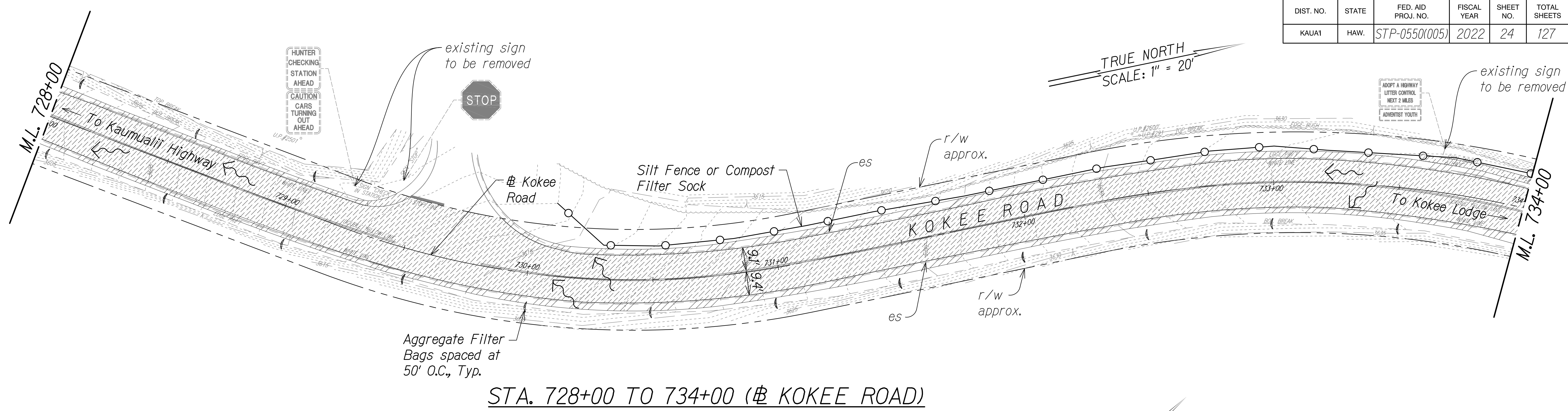
SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	



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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

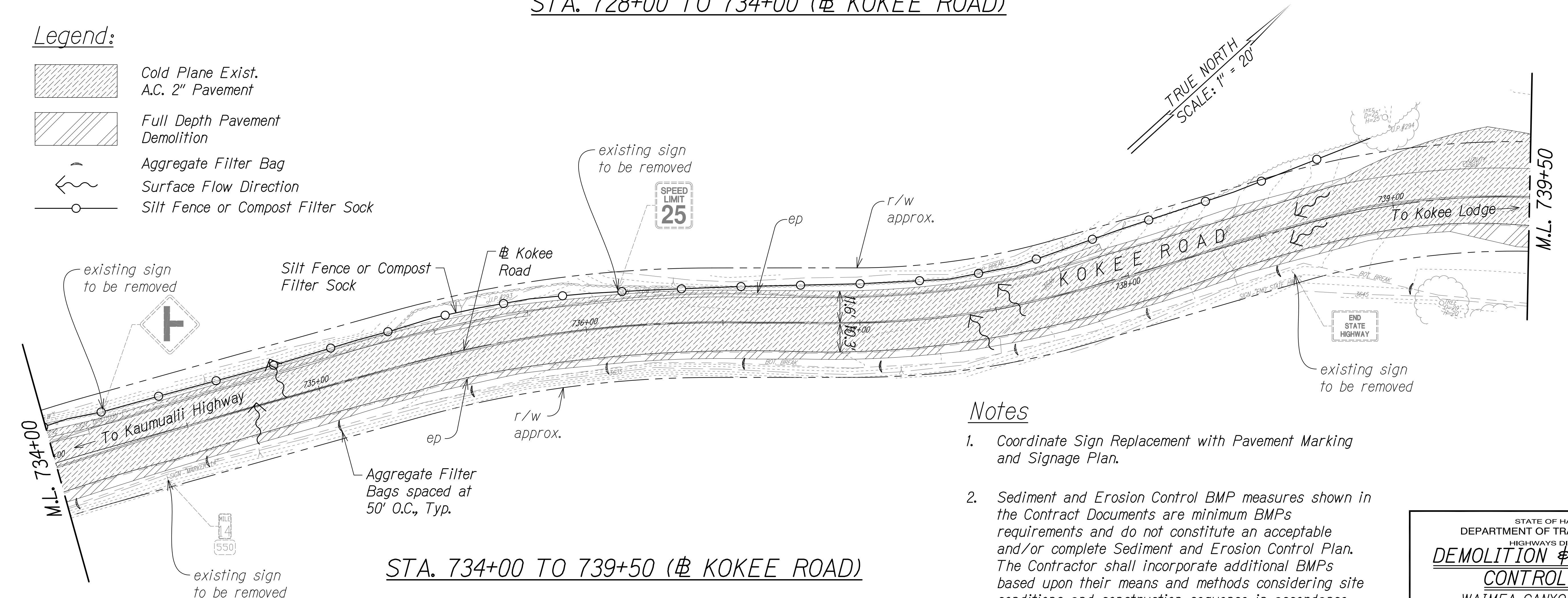
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	24	127



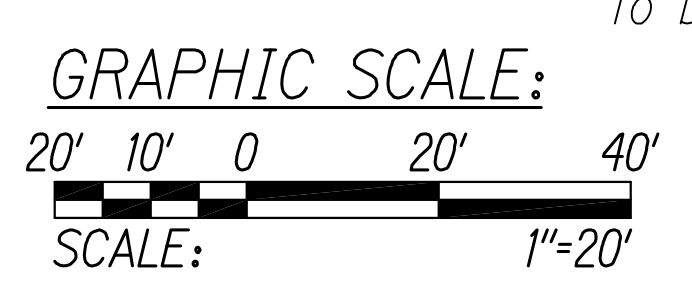
STA. 728+00 TO 734+00 (# KOKEE ROAD)

Legend:

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



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



Notes

- Coordinate Sign Replacement with Pavement Marking and Signage Plan.
- Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMP 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.

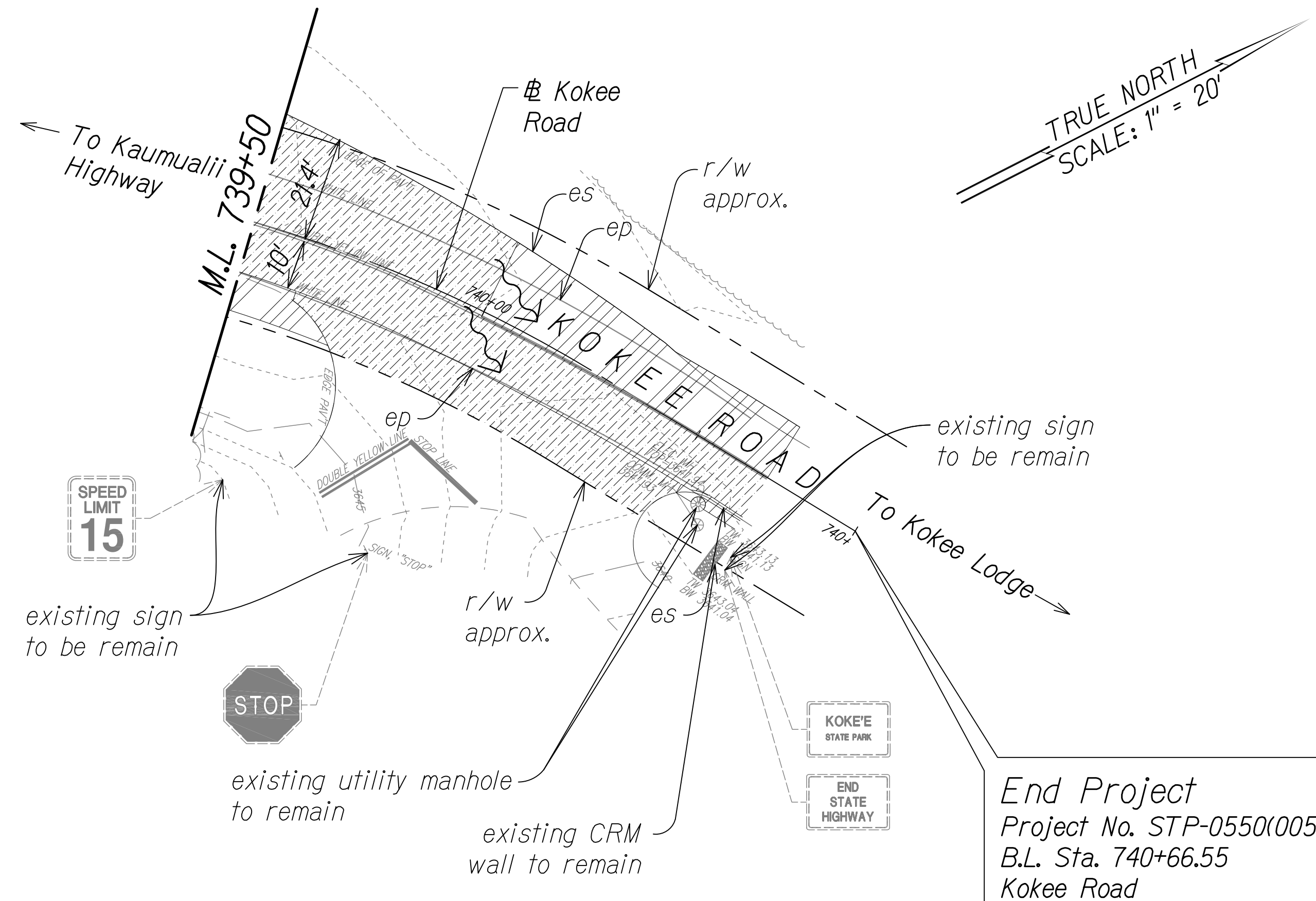
SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
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 APRIL 30, 2024
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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
DEMOLITION & EROSION CONTROL PLAN
 WAIMEA CANYON DRIVE /
 KOKEE ROAD 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. 12 OF 13 SHEETS

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



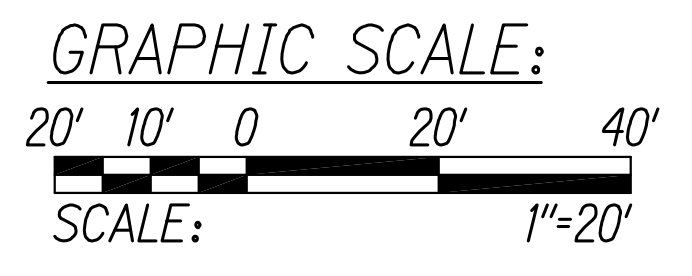
STA. 739+50 TO 740+87.32 (# KOKEE ROAD)

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



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

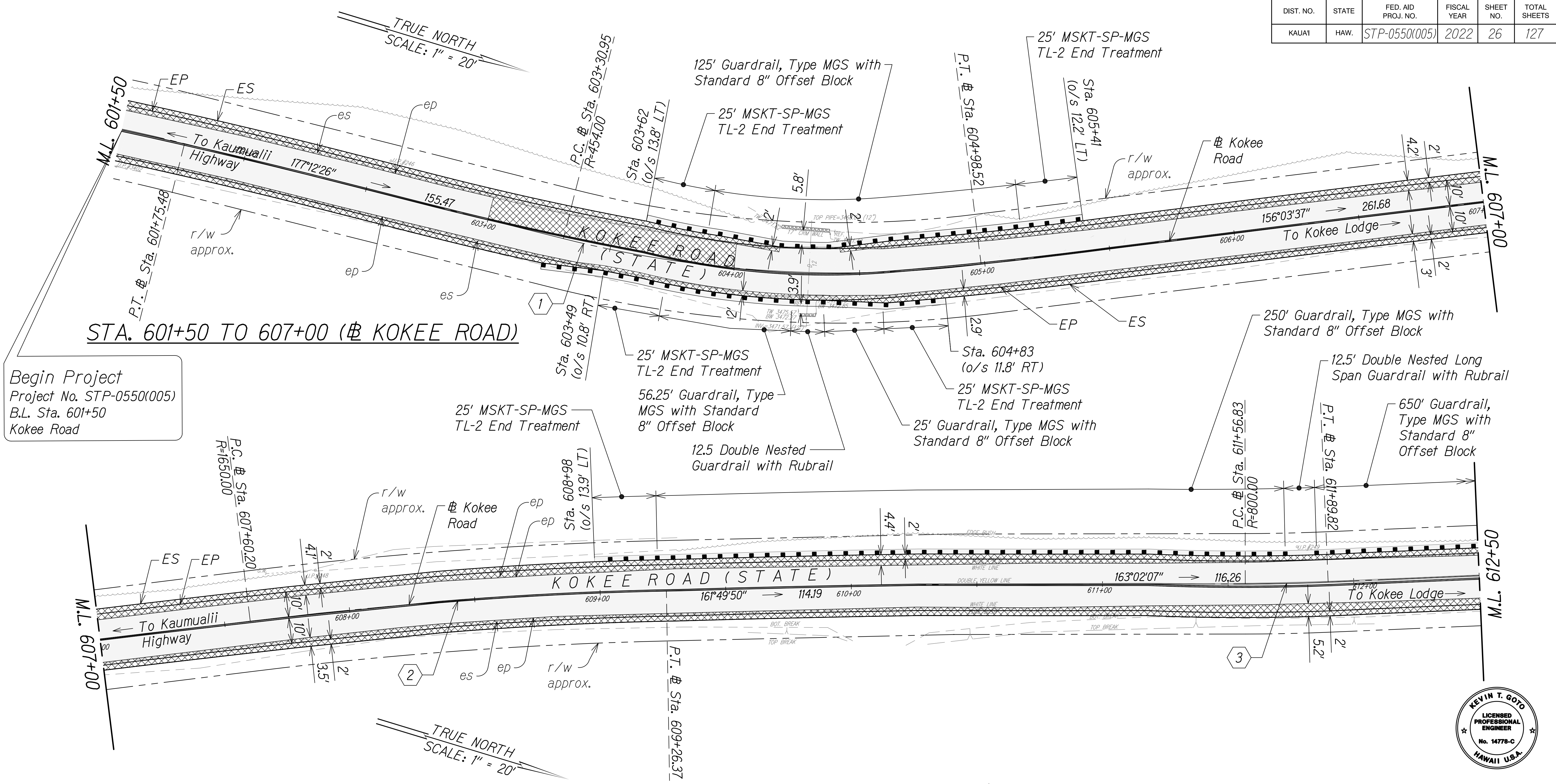


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 APRIL 30, 2024
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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
DEMOLITION & EROSION CONTROL PLAN
 WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 20' Date: August 2022

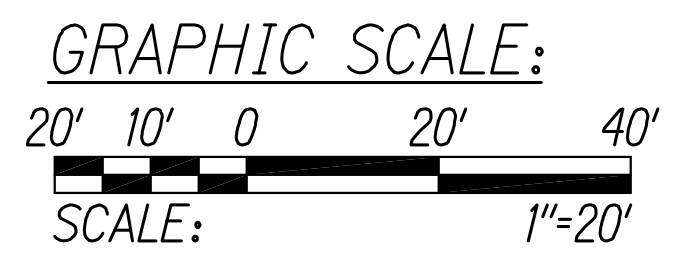
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	26	127



Begin Project
 Project No. STP-0550(005)
 B.L. Sta. 601+50
 Kokee Road

Legend:

- Full Depth Pavement
- 2" AC Pavement Cold Plane and Overlay



	1	2	3
Δ	21°08'49"	5°46'13"	2°21'46"
$\Delta/2$	10°34'24"	2°53'06"	1°10'53"
R	454'	1650'	800'
T	84.75'	83.16'	16.50'
C	166.61'	166.10'	32.99'
LC	167.56'	166.17'	32.99'

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.

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



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 APRIL 30, 2024
 LIC. EXP. DATE

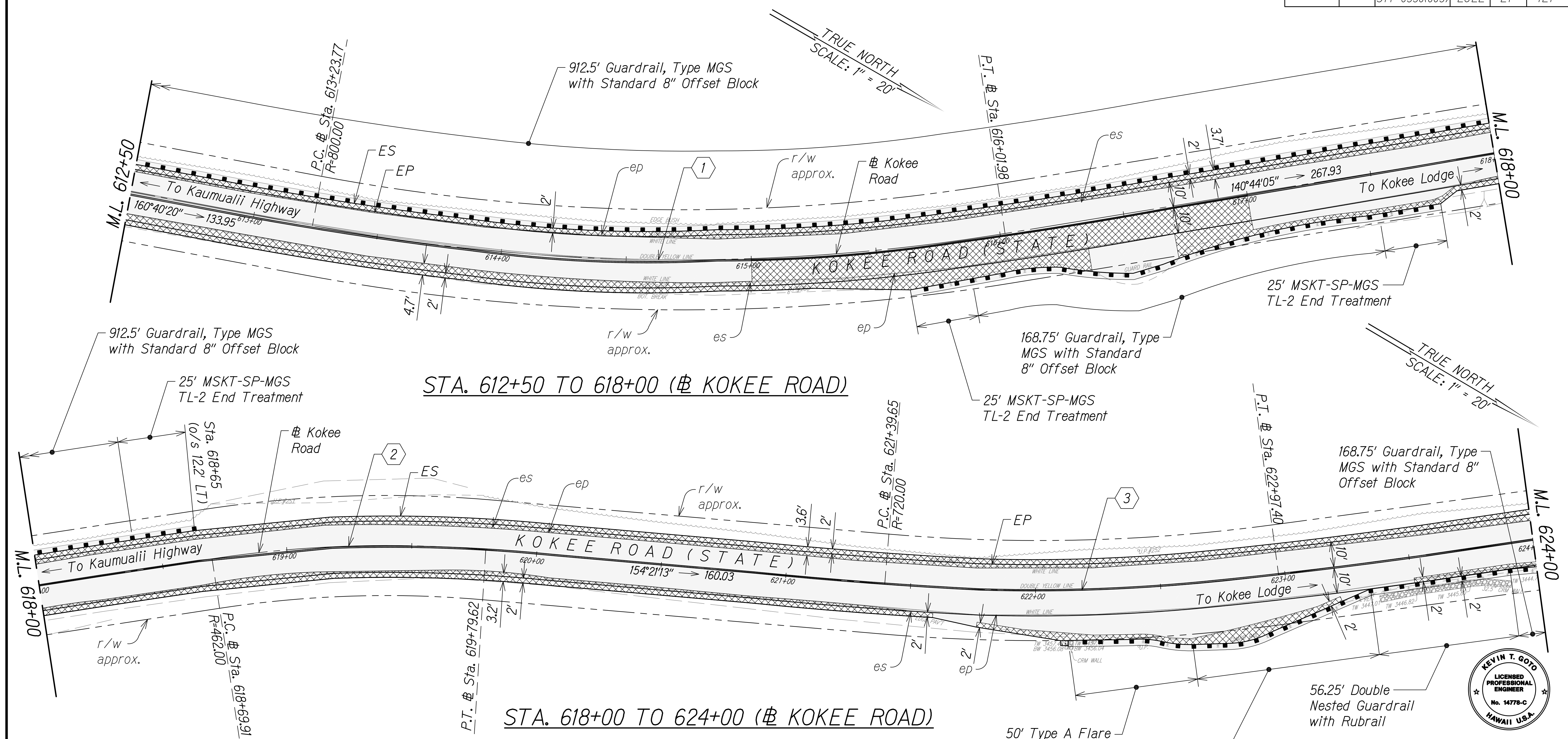
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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

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



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

STA. 618+00 TO 624+00 (# KOKEE ROAD)

Kokee Road Curve Data

	1	2	3
Δ	19°55'31"	13°36'23"	12°33'11"
$\Delta/2$	9°57'46"	6°48'12"	6°16'36"
R	800'	462'	720'
T	140.52'	55.12'	79.19'
C	276.81'	109.46'	157.43'
LC	278.21'	109.71'	157.75'

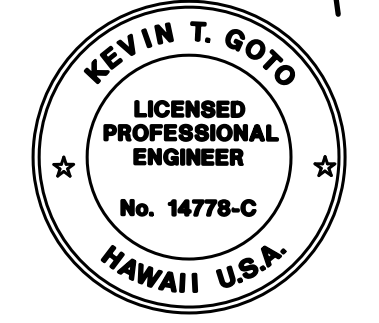
Legend:

- Full Depth Pavement
- 2" AC Pavement Cold Plane and Overlay



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.

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



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 APRIL 30, 2024
 LIC. EXP. DATE

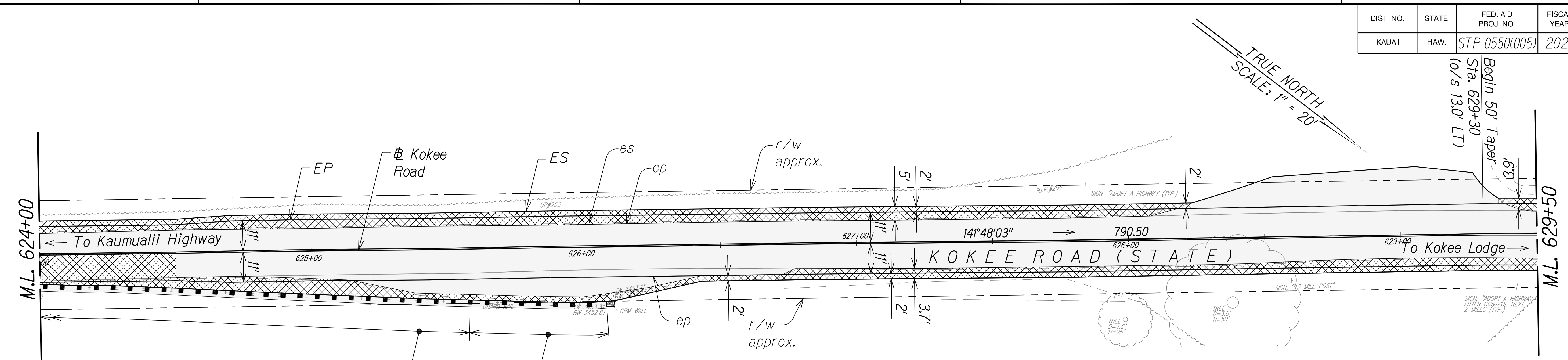
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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

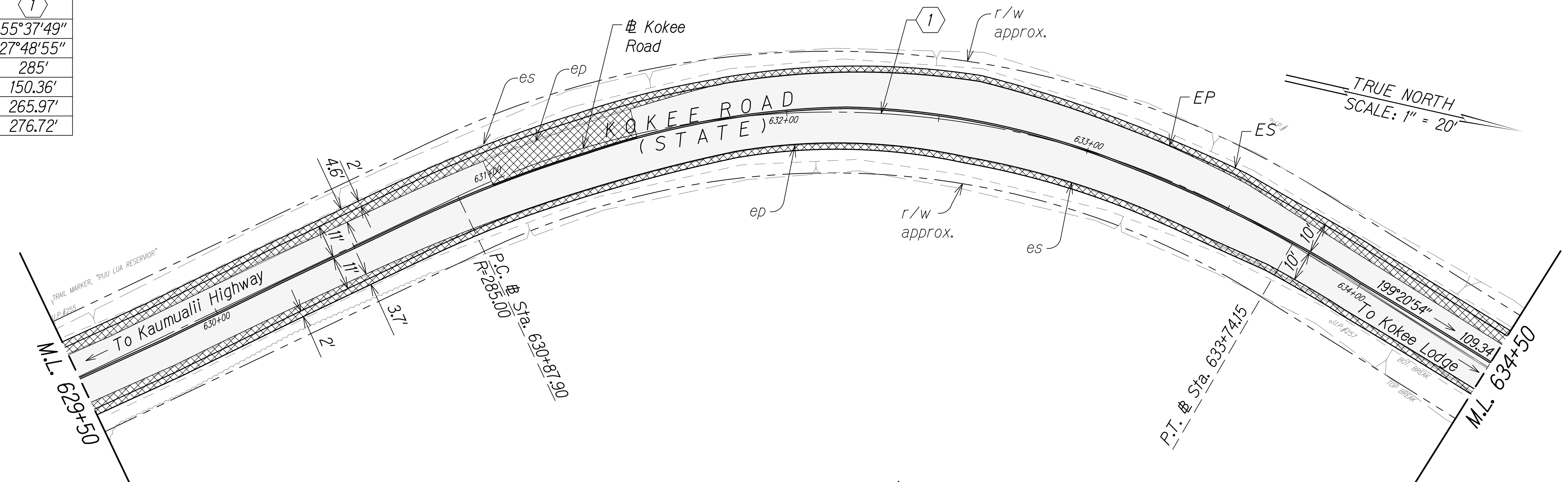
SHEET No. 2 OF 13 SHEETS

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



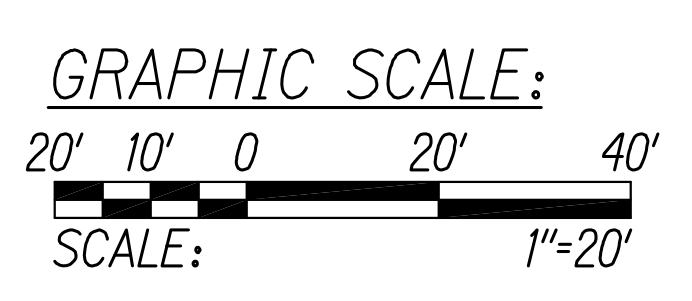
Kokee Road Curve Data

	(1)
Δ	55°37'49"
$\Delta/2$	27°48'55"
R	285'
T	150.36'
C	265.97'
LC	276.72'



Legend:

- Full Depth Pavement
- 2" AC Pavement Cold Plane and Overlay



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.

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



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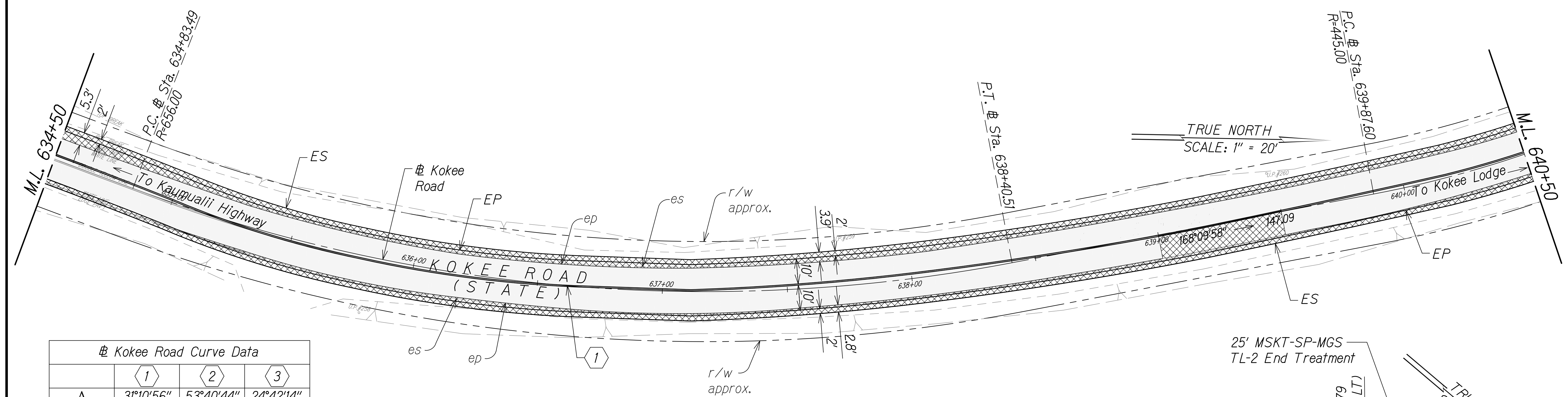
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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

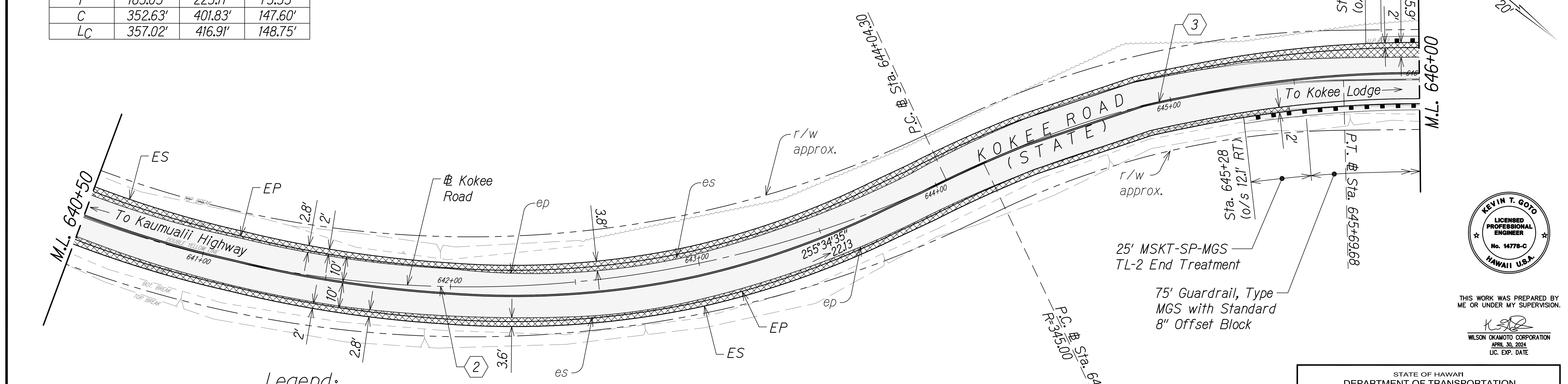
SHEET No. 3 OF 13 SHEETS

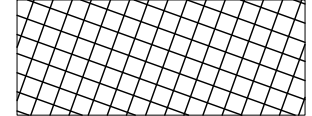

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	29	127



	1	2	3
Δ	31°10'56"	53°40'44"	24°42'14"
Δ/2	15°35'28"	26°50'22"	12°21'07"
R	656'	445'	345'
T	183.05'	225.17'	75.55'
C	352.63'	401.83'	147.60'
LC	357.02'	416.91'	148.75'

STA. 634+50 TO 640+50 (☉ KOKEE ROAD)



- Legend:**
-  Full Depth Pavement
 -  2" AC Pavement Cold Plane and Overlay

STA. 640+50 TO 646+00 (☉ KOKEE ROAD)

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.



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



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APRIL 30, 2024
LIC. EXP. DATE

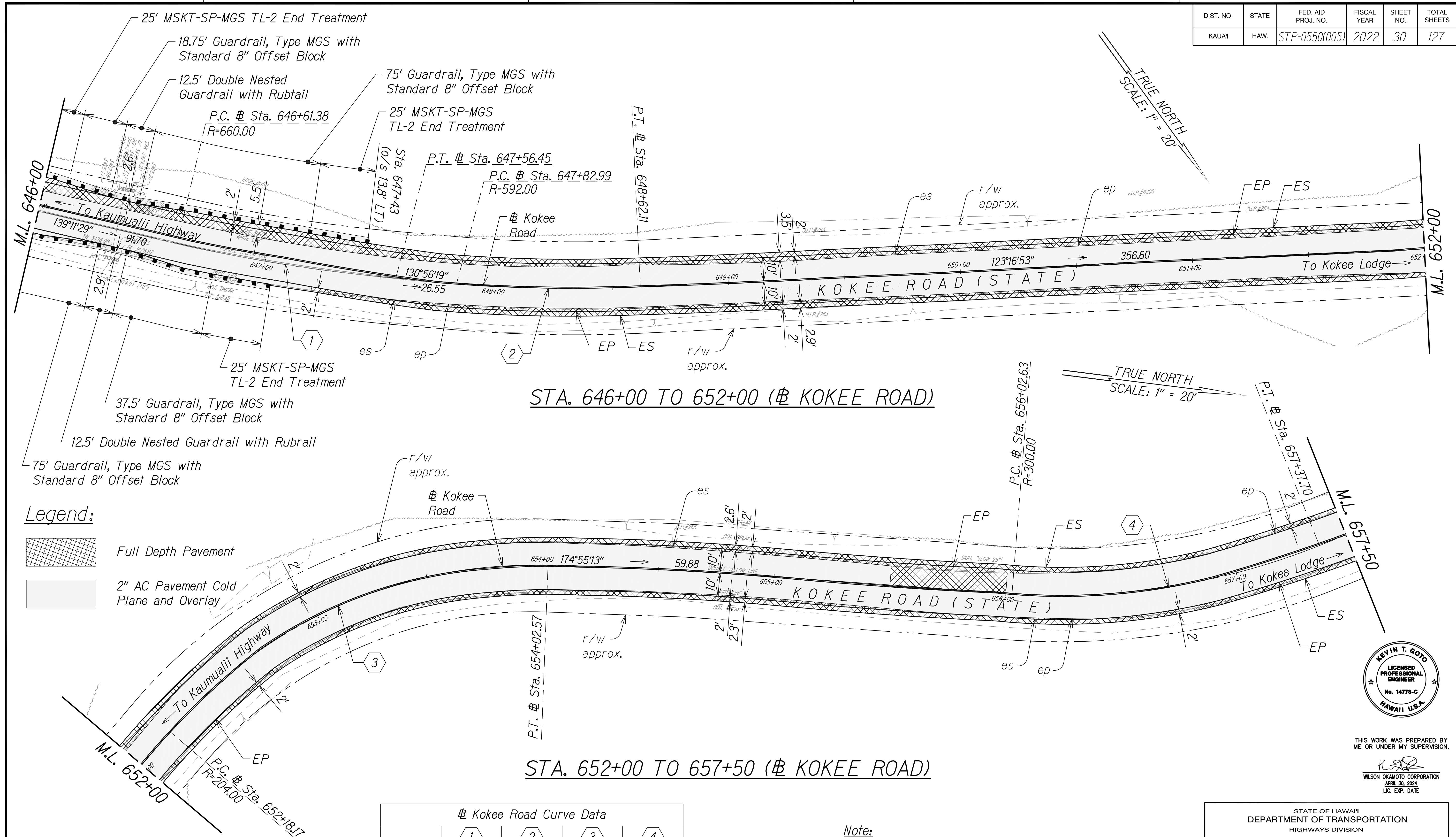
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

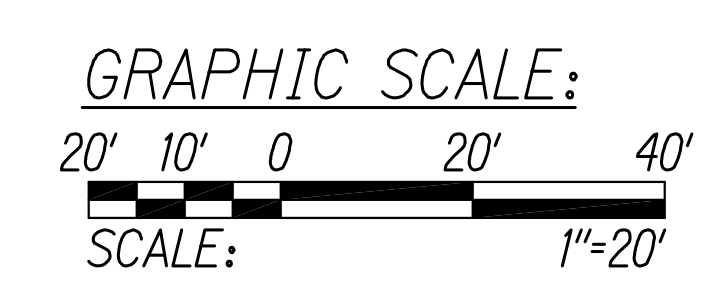
SHEET No. 4 OF 13 SHEETS

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



Legend:

- Full Depth Pavement
- 2" AC Pavement Cold Plane and Overlay



	1	2	3	4
Δ	08°15'09"	7°39'26"	5°38'20"	25°47'47"
$\Delta/2$	4°07'35"	3°49'43"	2°59'10"	12°53'54"
R	660'	592'	204'	300'
T	47.61'	39.62'	98.70'	68.70'
C	94.98'	79.06'	177.70'	133.93'
LC	95.06'	79.12'	183.86'	135.07'

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.

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



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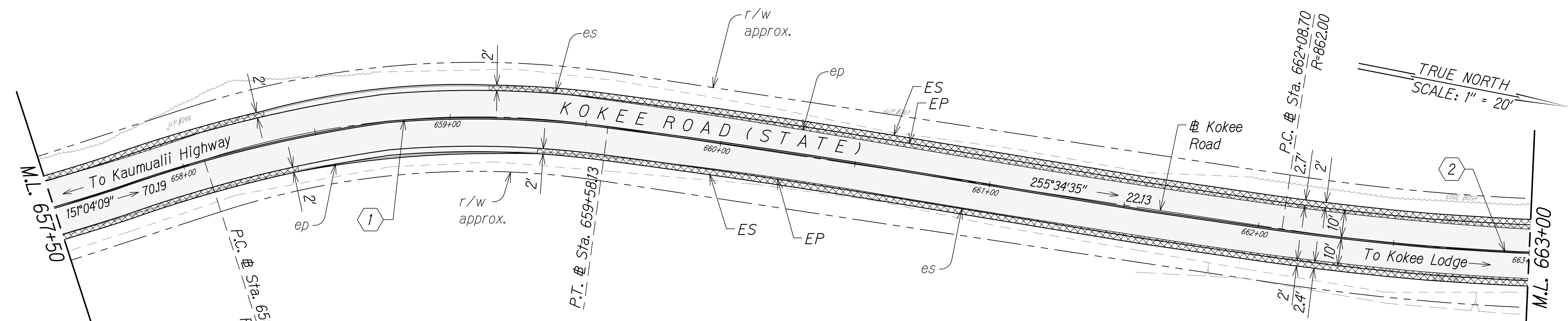
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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

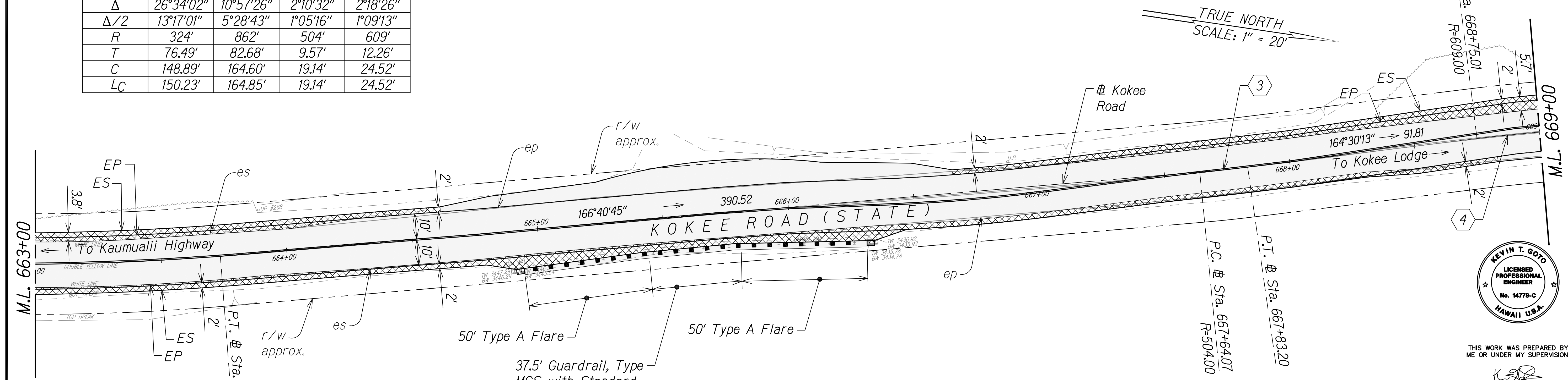
SHEET No. 5 OF 13 SHEETS

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



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

	1	2	3	4
Δ	26°34'02"	10°57'26"	2°10'32"	2°18'26"
$\Delta/2$	13°17'01"	5°28'43"	1°05'16"	1°09'13"
R	324'	862'	504'	609'
T	76.49'	82.68'	9.57'	12.26'
C	148.89'	164.60'	19.14'	24.52'
LC	150.23'	164.85'	19.14'	24.52'



STA. 663+00 TO 669+00 (# KOKEE ROAD)

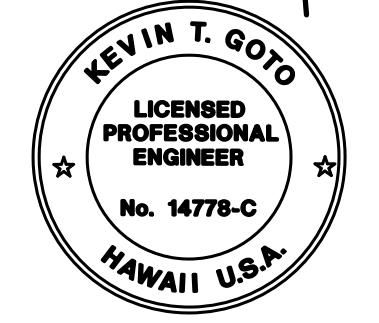
Legend:

	Full Depth Pavement
	2" AC Pavement Cold Plane and Overlay

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.



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



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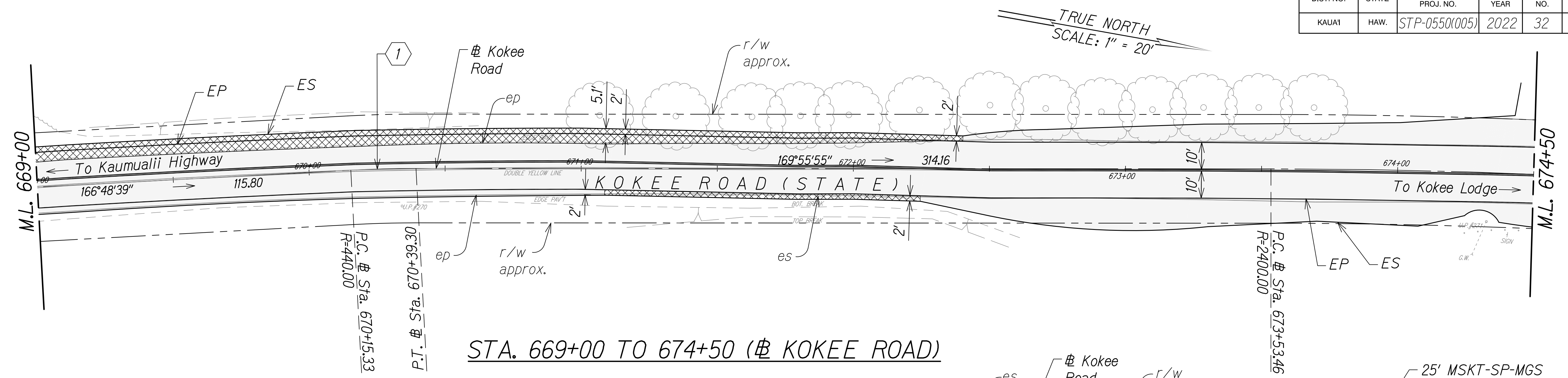
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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. 6 OF 13 SHEETS

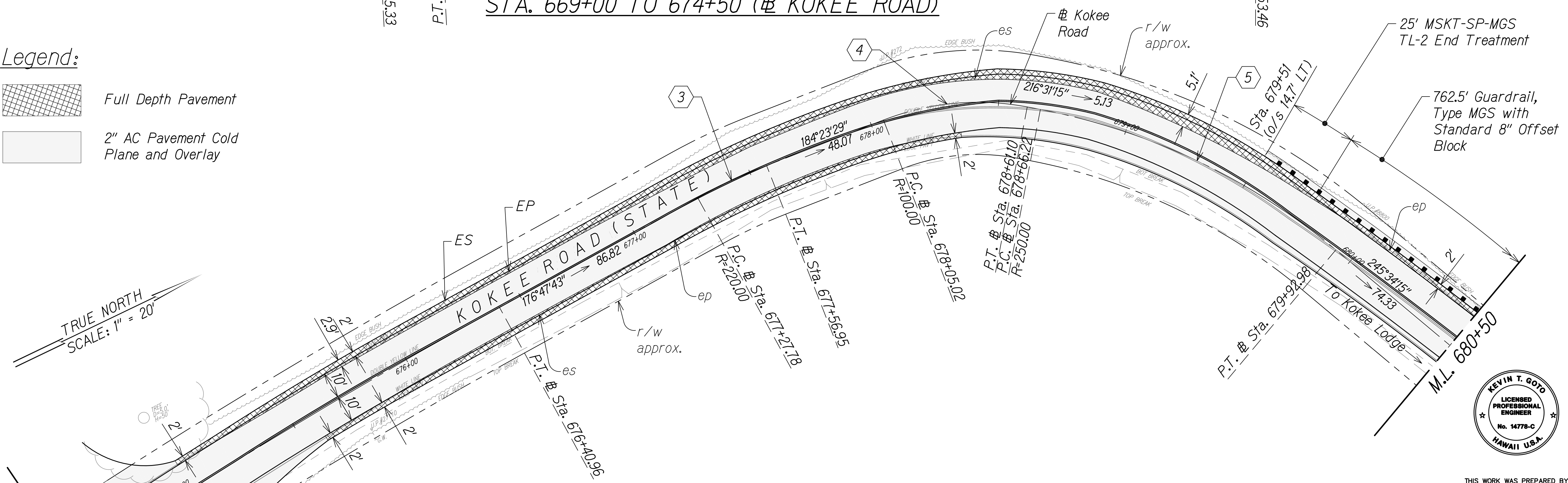
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	32	127



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

Legend:

- Full Depth Pavement
- 2" AC Pavement Cold Plane and Overlay



STA. 674+50 TO 680+50 (# KOKEE ROAD)

	1	2	3	4	5
Δ	3°07'16"	6°51'49"	7°35'45"	32°07'46"	29°03'00"
$\Delta/2$	1°33'38"	3°25'54"	3°47'53"	16°03'53"	14°31'30"
R	440'	2400'	220'	100'	250'
T	11.99'	143.92'	14.60'	28.80'	64.77'
C	23.96'	287.33'	29.14'	55.34'	125.40'
L _C	23.97'	287.50'	29.17'	66.08'	126.75'

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.



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



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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN

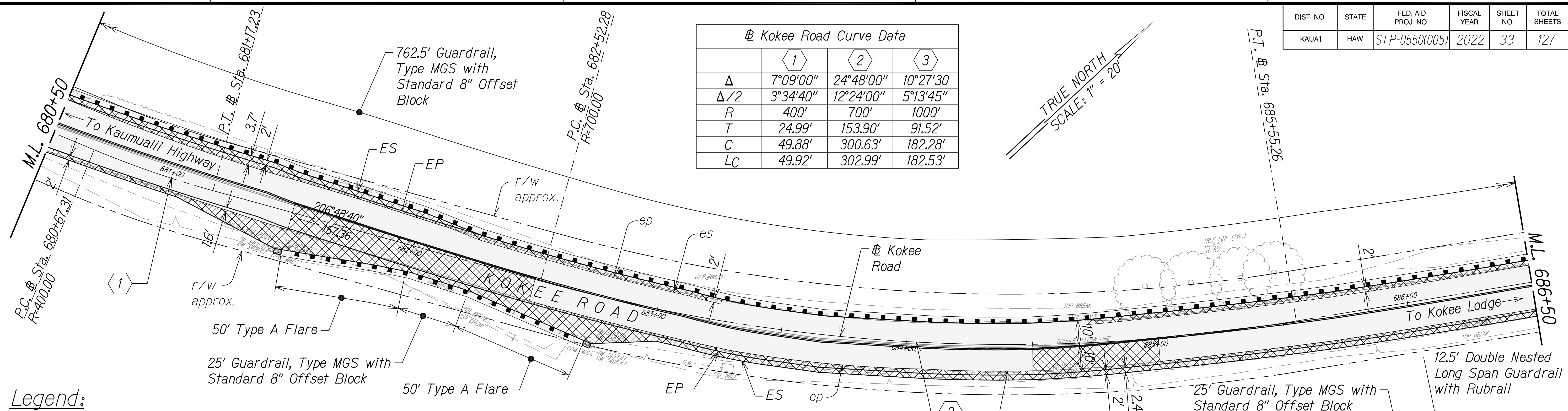
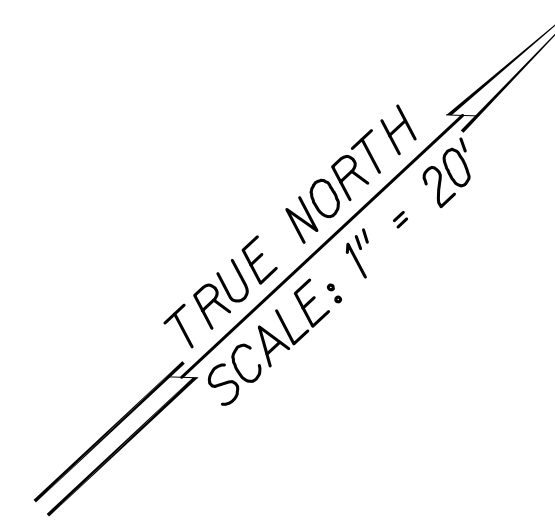
WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 20' Date: August 2022

SHEET No. 7 OF 13 SHEETS

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

☯ Kokee Road Curve Data

	1	2	3
Δ	7°09'00"	24°48'00"	10°27'30"
Δ/2	3°34'40"	12°24'00"	5°13'45"
R	400'	700'	1000'
T	24.99'	153.90'	91.52'
C	49.88'	300.63'	182.28'
LC	49.92'	302.99'	182.53'

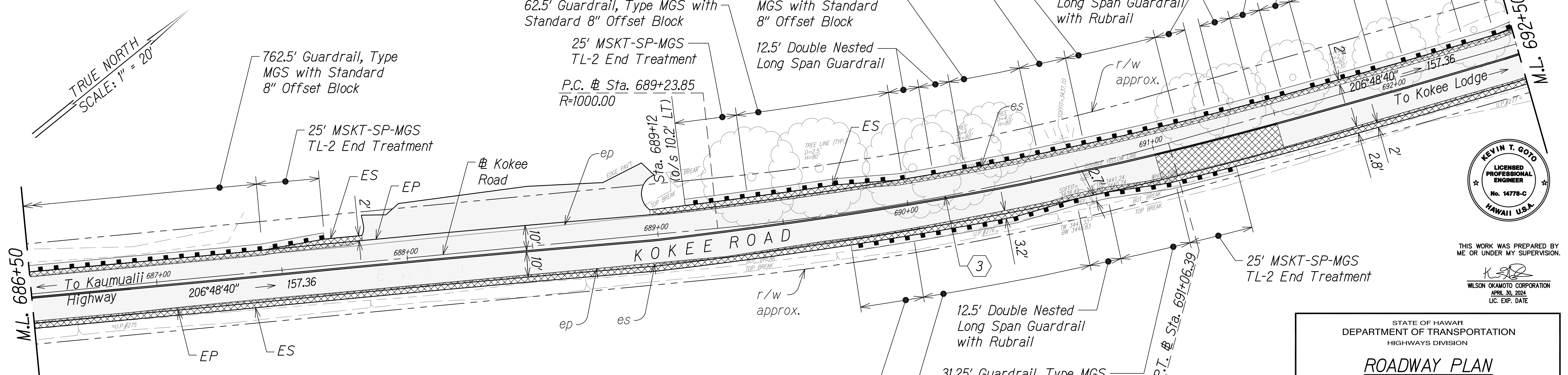


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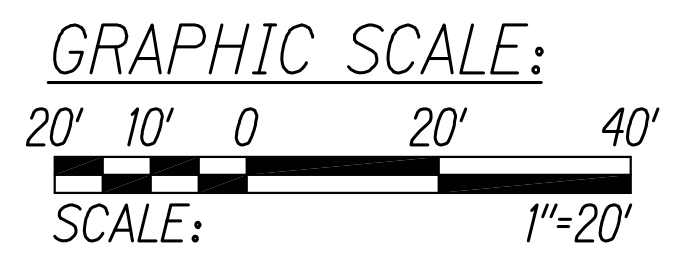
- Full Depth Pavement
- 2" AC Pavement Cold Plane and Overlay

STA. 680+50 TO 686+50 (☯ KOKEE ROAD)

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)



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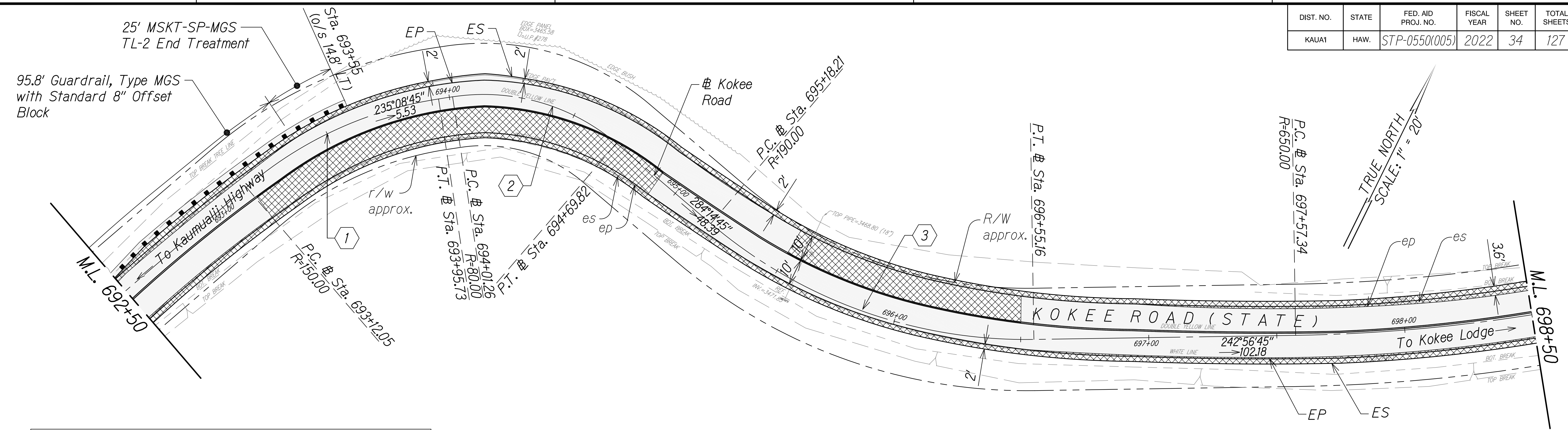
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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. 8 OF 13 SHEETS

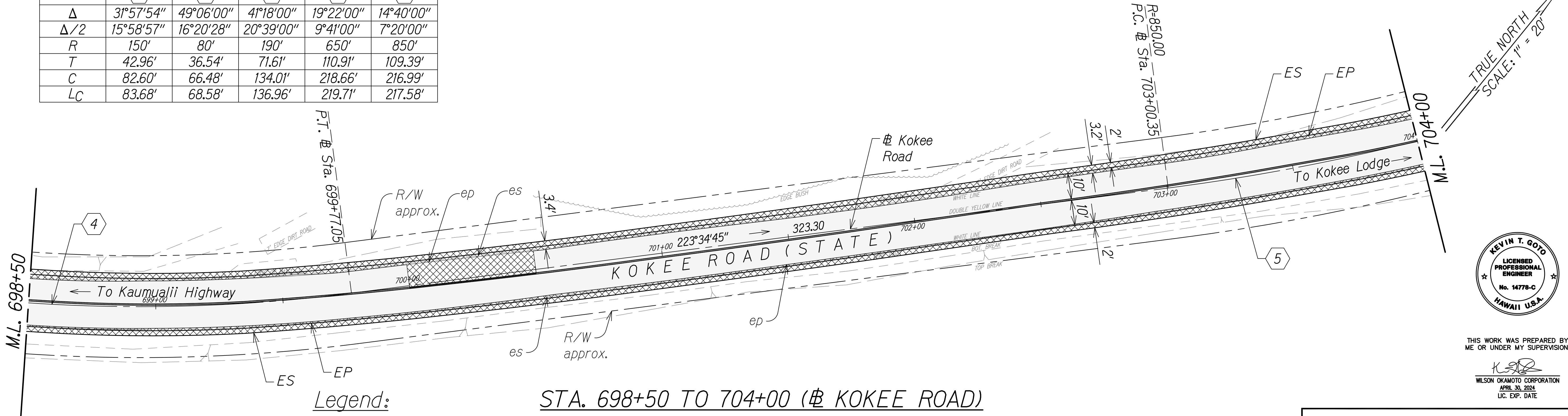
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	34	127



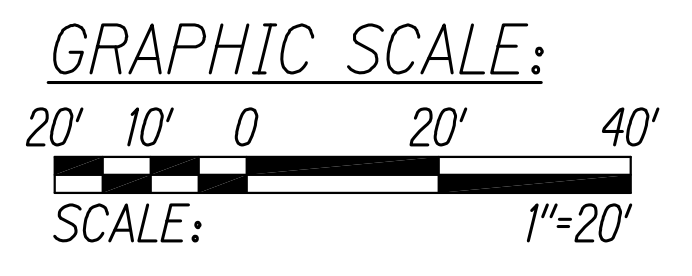
☼ Kokee Road Curve Data

	1	2	3	4	5
Δ	31°57'54"	49°06'00"	41°18'00"	19°22'00"	14°40'00"
$\Delta/2$	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'
LC	83.68'	68.58'	136.96'	219.71'	217.58'

STA. 692+50 TO 698+50 (☼ KOKEE ROAD)



STA. 698+50 TO 704+00 (☼ KOKEE ROAD)



- Legend:**
- Full Depth Pavement
 - 2" AC Pavement Cold Plane and Overlay

Note:

- 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.

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



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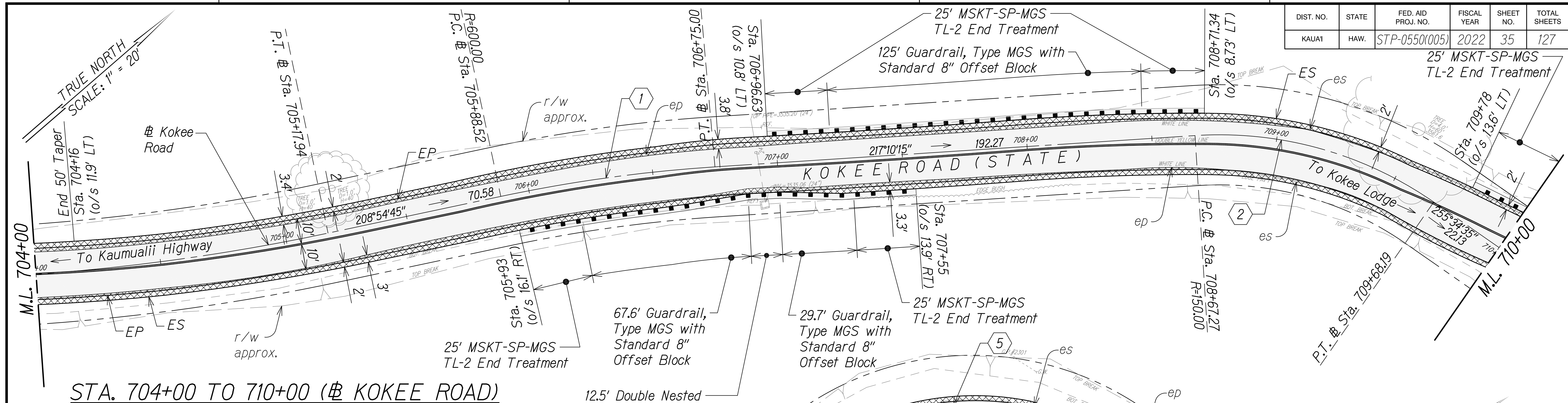
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

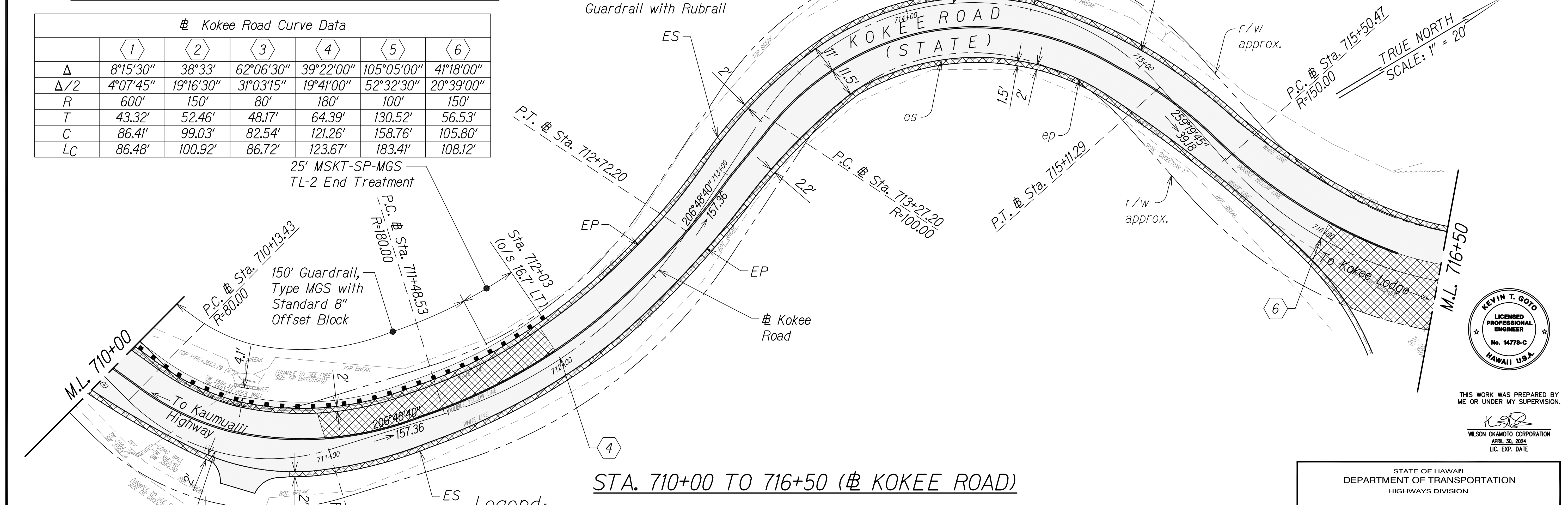
SHEET No. 9 OF 13 SHEETS

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



STA. 704+00 TO 710+00 (# KOKEE ROAD)

	1	2	3	4	5	6
Δ	8°15'30"	38°33'	62°06'30"	39°22'00"	105°05'00"	41°18'00"
$\Delta/2$	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'
LC	86.48'	100.92'	86.72'	123.67'	183.41'	108.12'



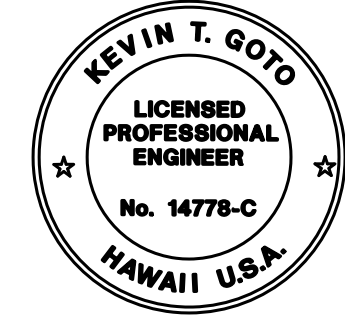
STA. 710+00 TO 716+50 (# KOKEE ROAD)



Legend:

	Full Depth Pavement
	2" AC Pavement Cold Plane and Overlay

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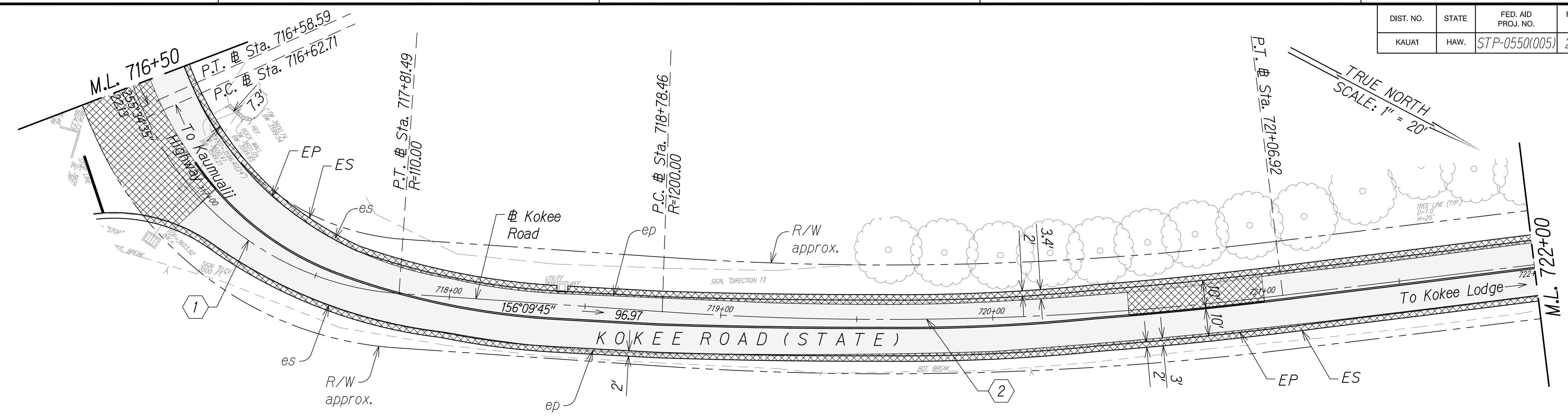
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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. 10 OF 13 SHEETS

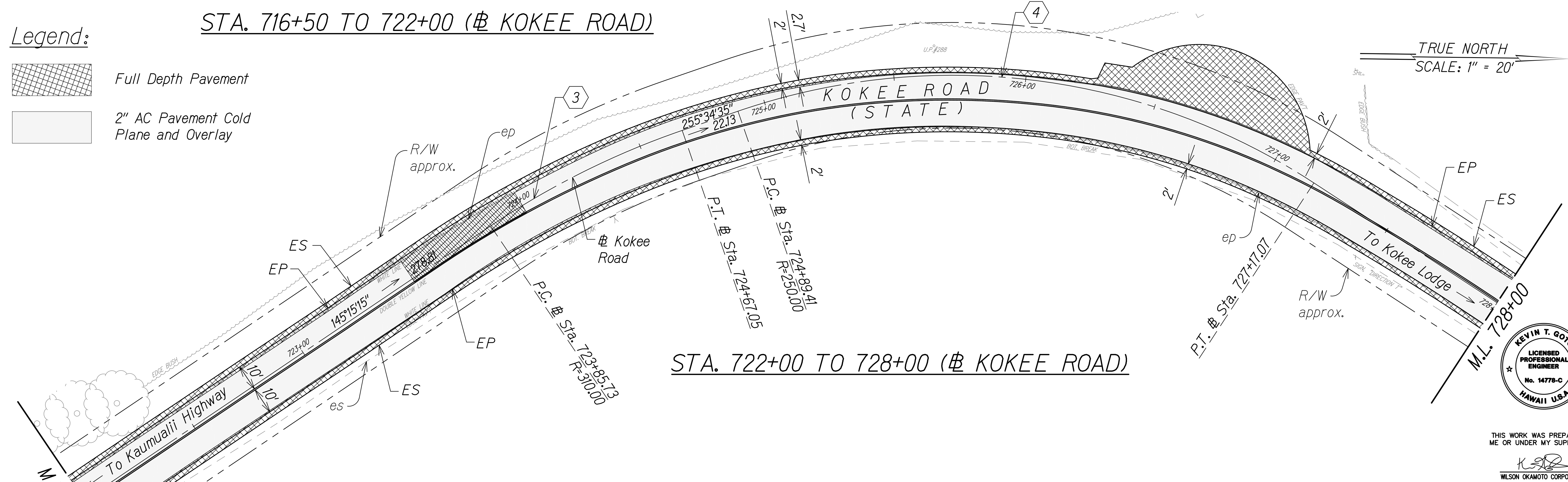
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	36	127



STA. 716+50 TO 722+00 (Kokee Road)

Legend:

- Full Depth Pavement
- 2" AC Pavement Cold Plane and Overlay



STA. 722+00 TO 728+00 (Kokee Road)

	1	2	3	4
Δ	6°52'00"	10°54'30"	15°01'48"	52°10'37"
$\Delta/2$	3°26'00"	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'

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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QUANTITIES BY	
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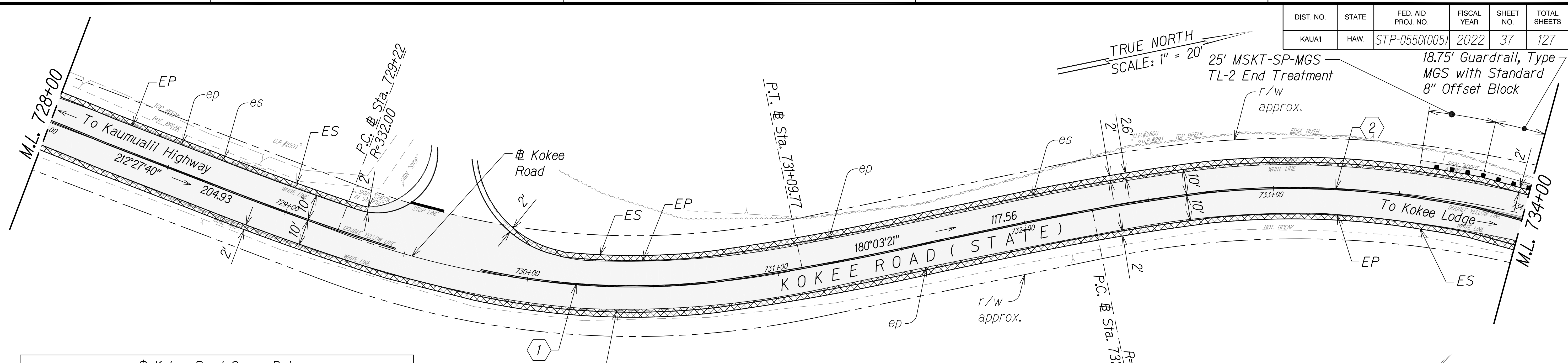
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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. 11 OF 13 SHEETS

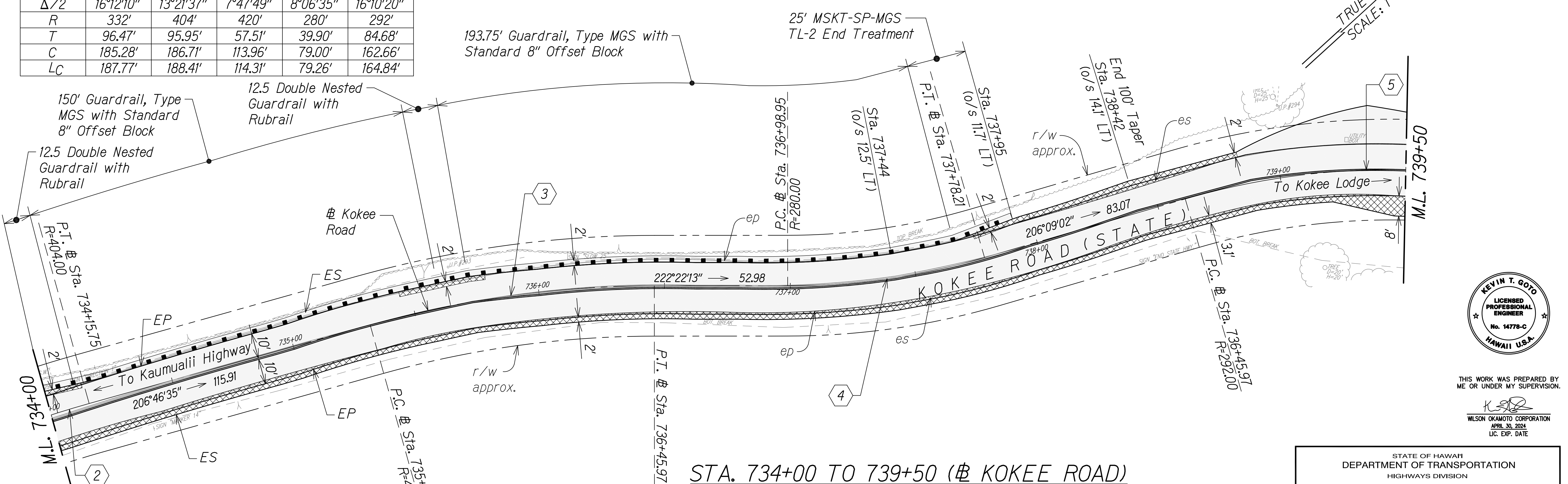
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	37	127



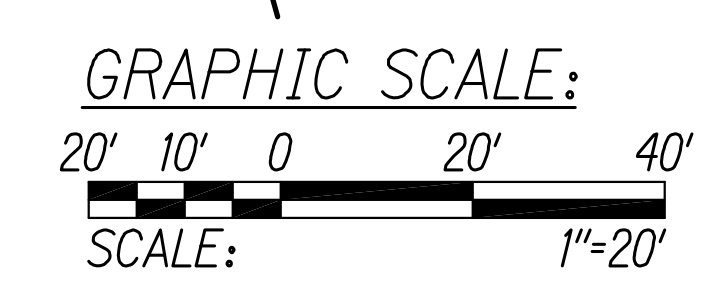
☼ Kokee Road Curve Data

	1	2	3	4	5
Δ	32°24'19"	26°43'14"	15°35'38"	16°13'10"	32°20'40"
Δ/2	16°12'10"	13°21'37"	7°47'49"	8°06'35"	16°10'20"
R	332'	404'	420'	280'	292'
T	96.47'	95.95'	57.51'	39.90'	84.68'
C	185.28'	186.71'	113.96'	79.00'	162.66'
LC	187.77'	188.41'	114.31'	79.26'	164.84'

STA. 728+00 TO 734+00 (☼ KOKEE ROAD)



STA. 734+00 TO 739+50 (☼ KOKEE ROAD)



Legend:

	Full Depth Pavement
	2" AC Pavement Cold Plane and Overlay

Note:

- 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.

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

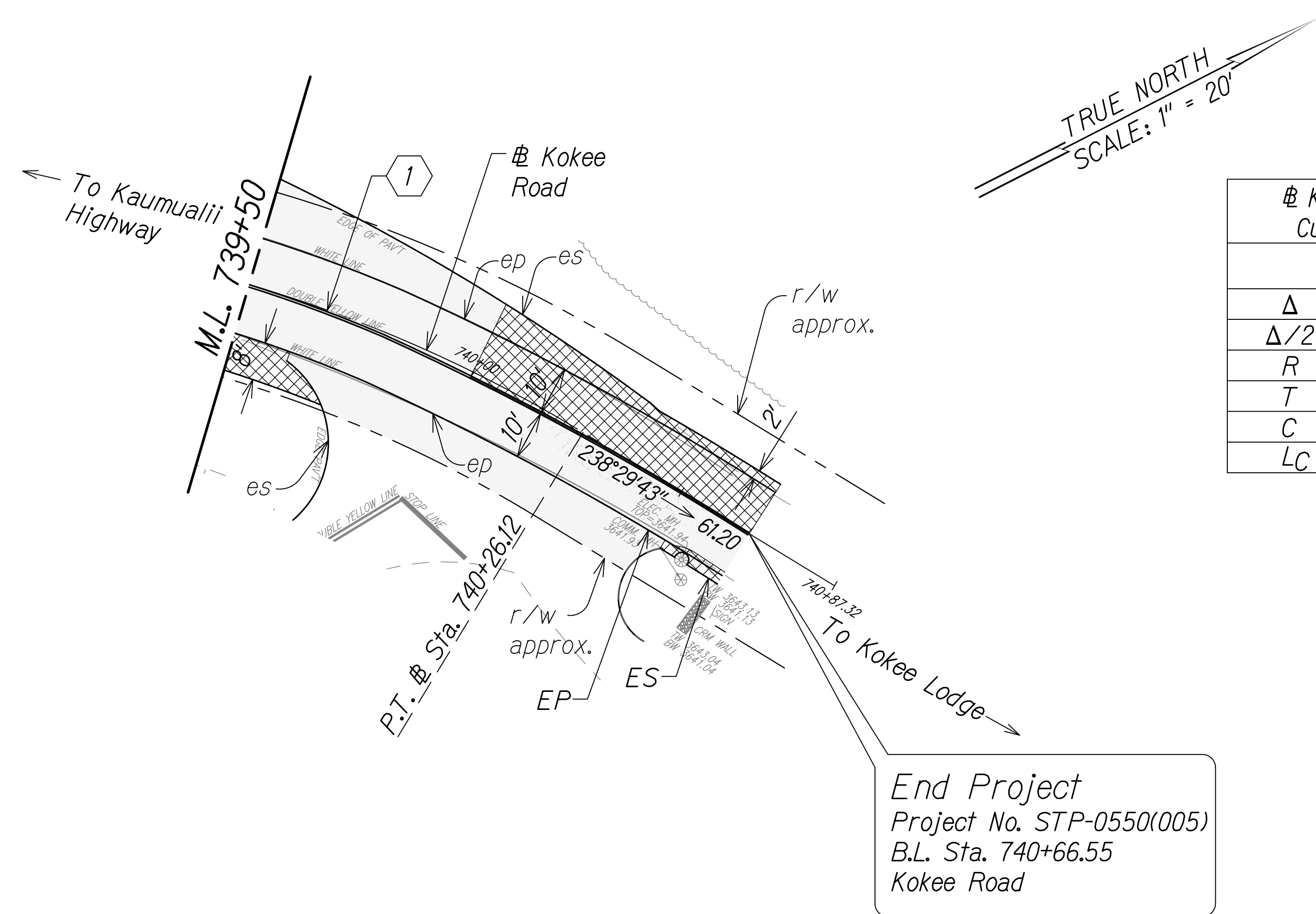


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No.	

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



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

STA. 739+50 TO 740+87.32 (Kokee Road)

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

Legend:

Full Depth Pavement

2" AC Pavement Cold Plane and Overlay

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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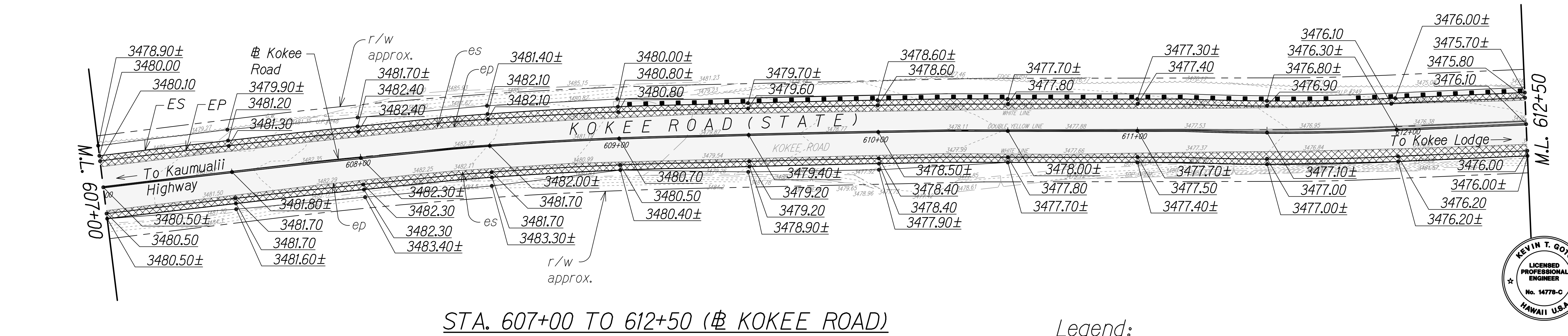
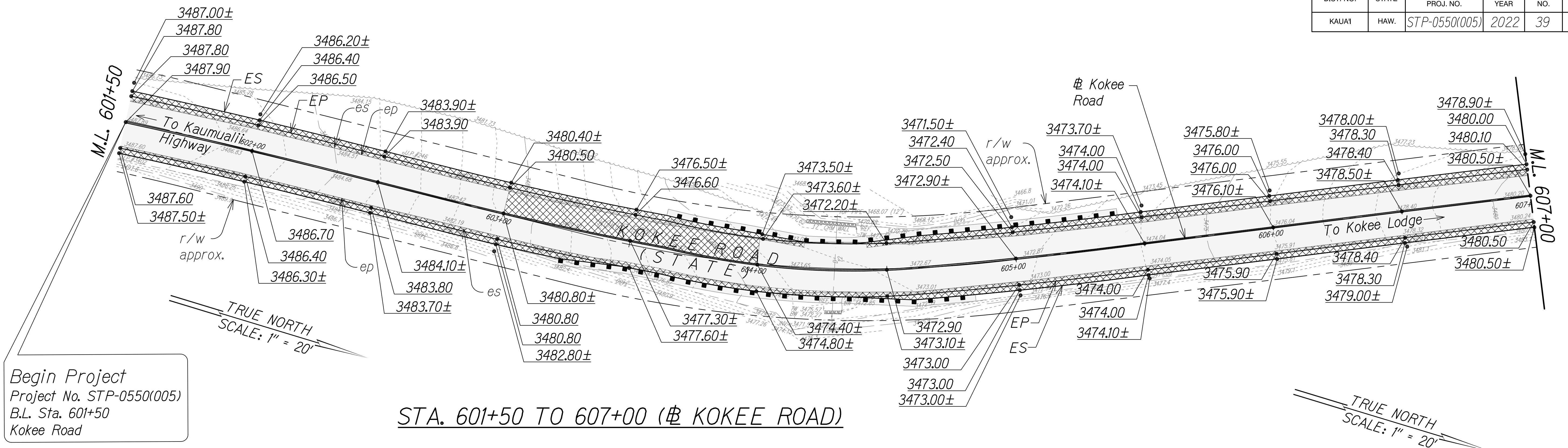
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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. 13 OF 13 SHEETS

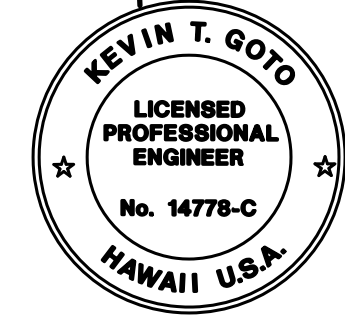
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	39	127



SURVEY PLOTTED BY	DATE
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NOTED BY	
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- Legend:
- Full Depth Pavement Reconstruction
 - 2" Asphalt Pavement
 - Guardrail
 - Existing Contour
 - Existing Elevation
 - Proposed Elevation



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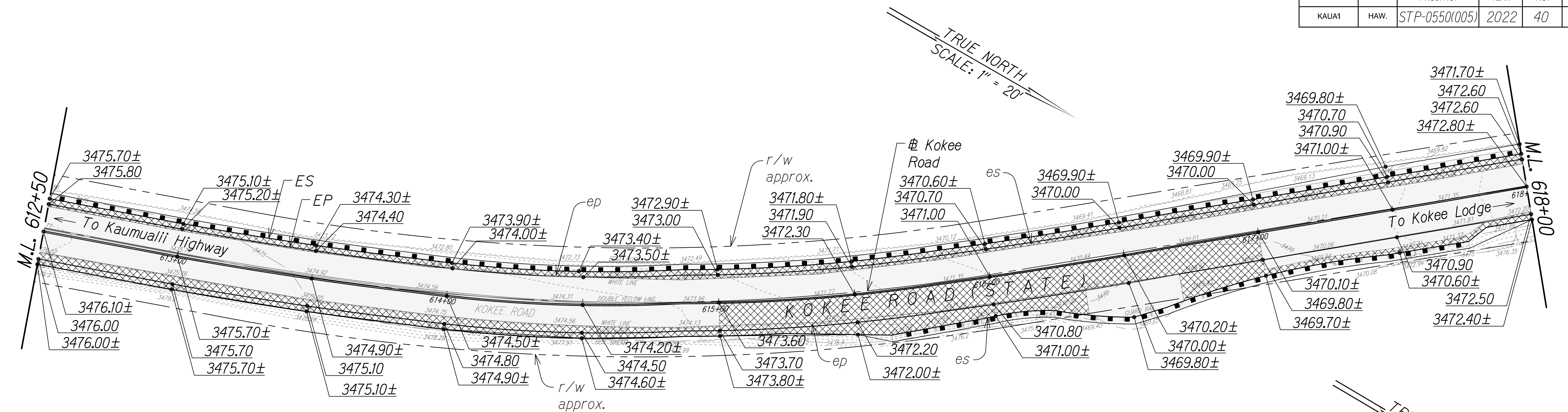
STATE OF HAWAII
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GRADING PLAN

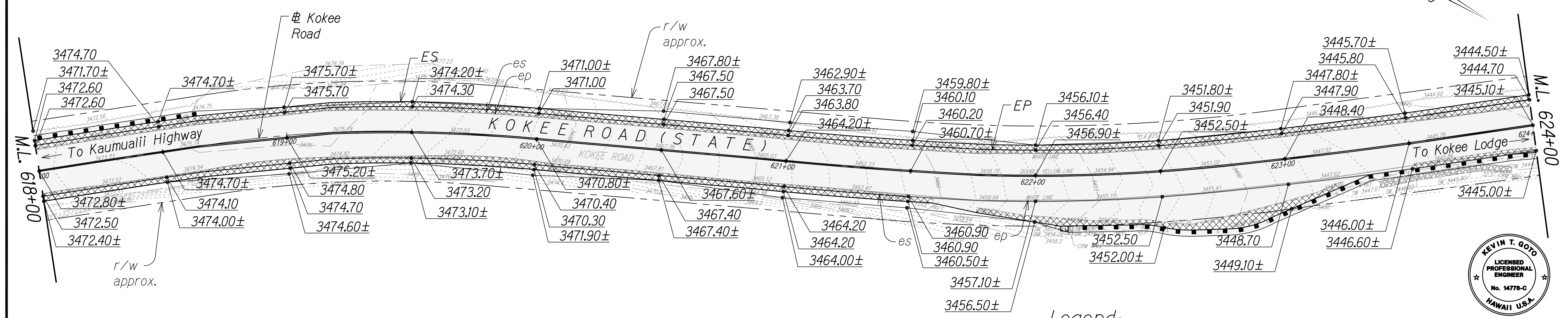
WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 20' Date: August 2022

SHEET No. 1 OF 13 SHEETS

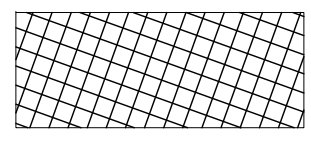


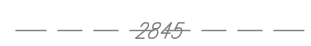

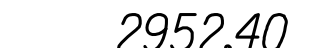
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	40	127

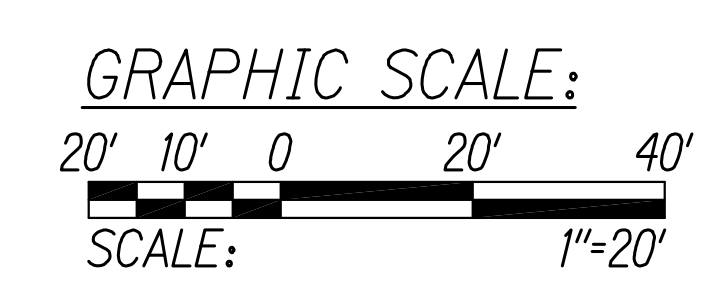


STA. 612+50 TO 618+00 (Kokee Road)



STA. 618+00 TO 624+00 (Kokee Road)

- Legend:**
-  Full Depth Pavement Reconstruction
 -  2" Asphalt Pavement
 -  Guardrail
 -  Existing Contour
 -  Existing Elevation
 -  Proposed Elevation



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
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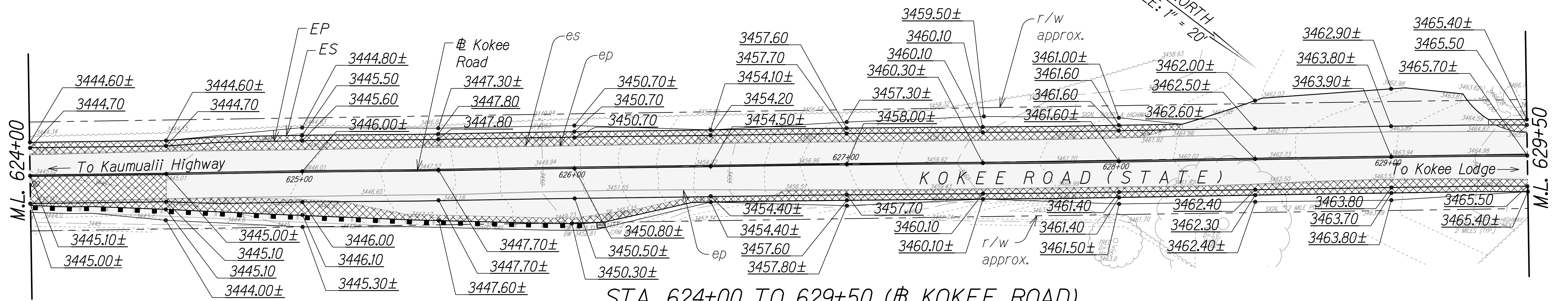
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

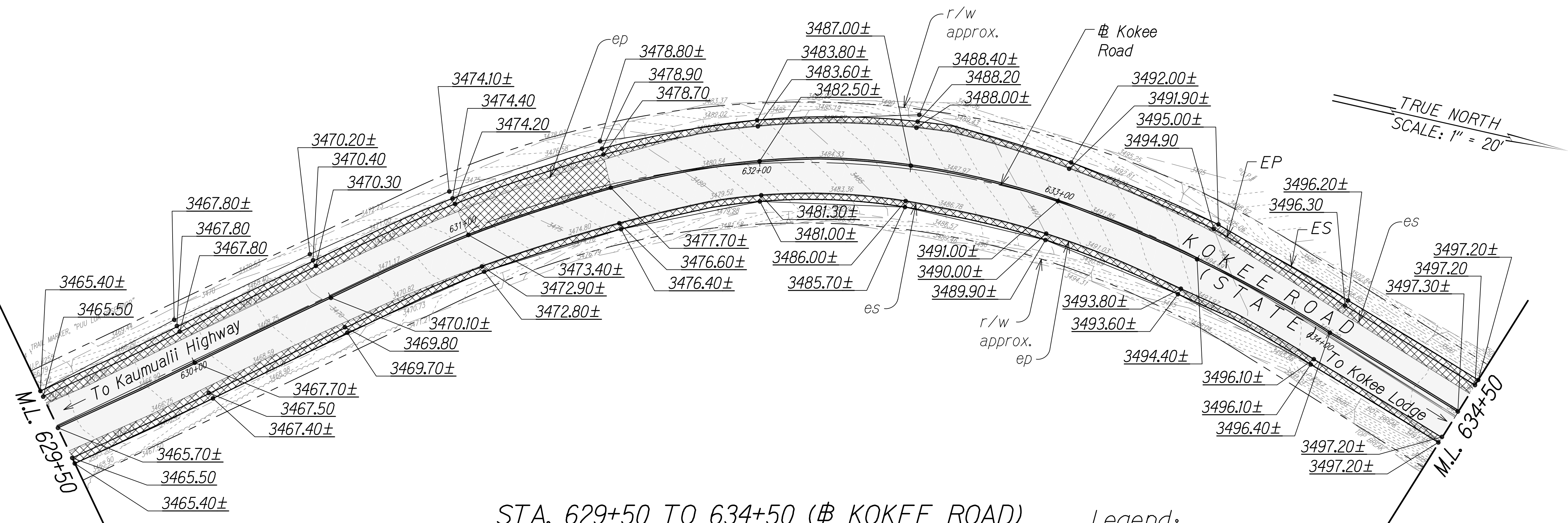
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 2 OF 13 SHEETS

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



STA. 624+00 TO 629+50 (Kokee Road)

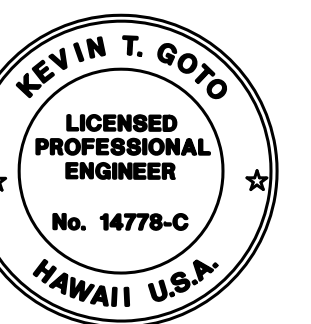


STA. 629+50 TO 634+50 (Kokee Road)

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



- Legend:
- Full Depth Pavement Reconstruction
 - 2" Asphalt Pavement
 - Guardrail
 - Existing Contour
 - Existing Elevation
 - Proposed Elevation



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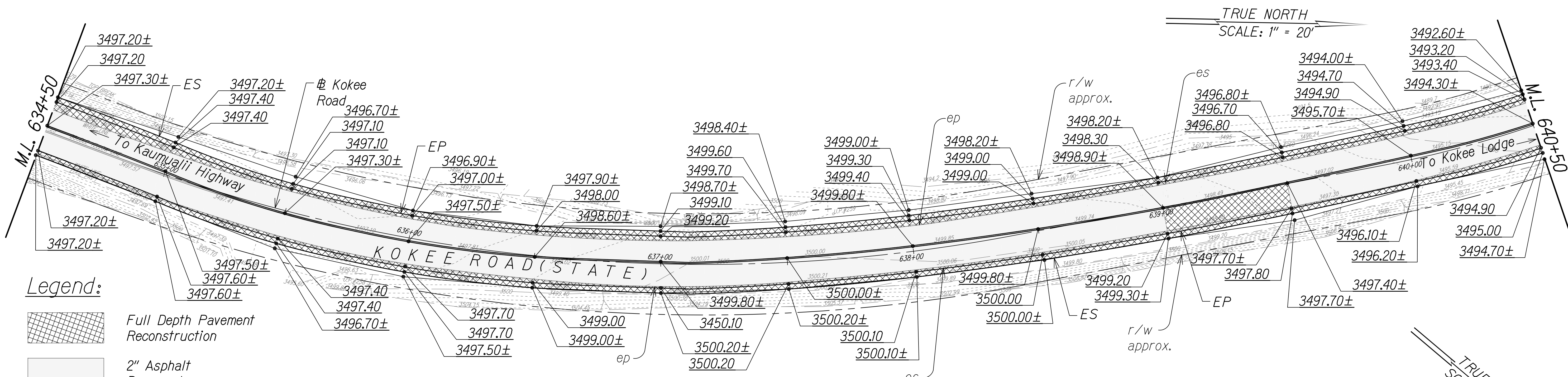
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

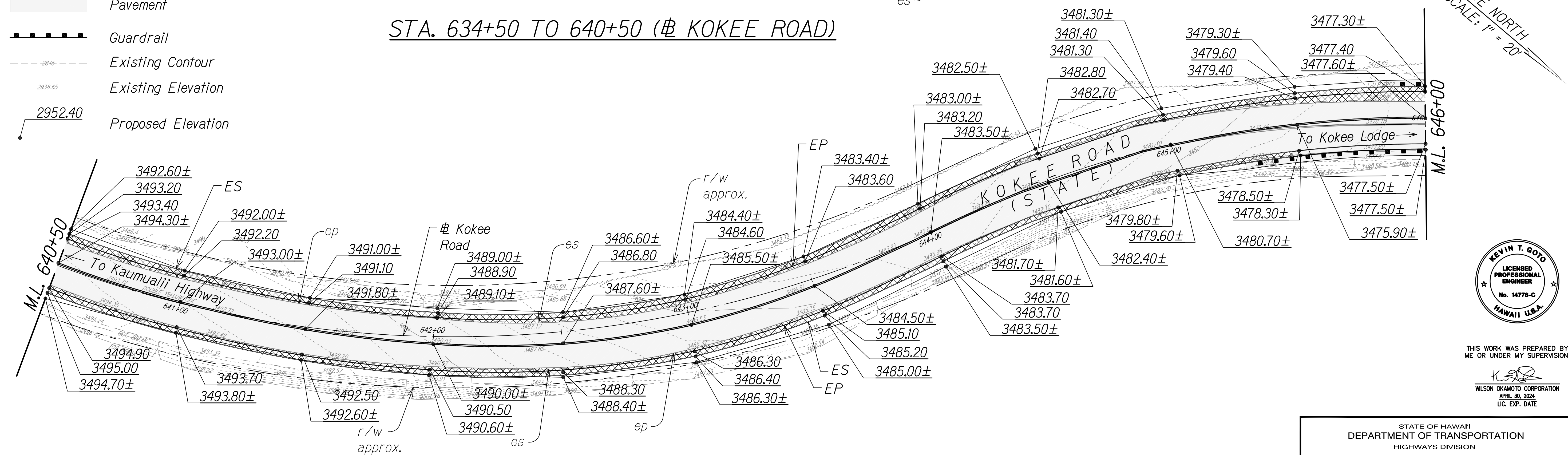
SHEET No. 3 OF 13 SHEETS

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

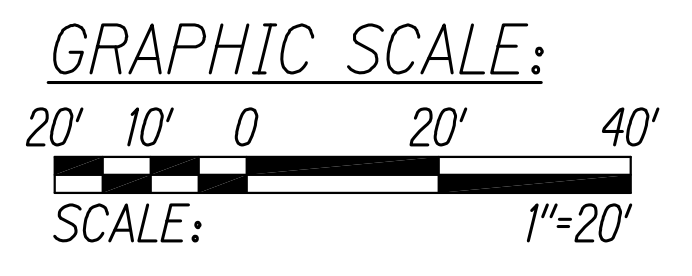


- Legend:**
- Full Depth Pavement Reconstruction
 - 2" Asphalt Pavement
 - Guardrail
 - Existing Contour
 - Existing Elevation
 - Proposed Elevation

STA. 634+50 TO 640+50 (Kokee Road)



STA. 640+50 TO 646+00 (Kokee Road)



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
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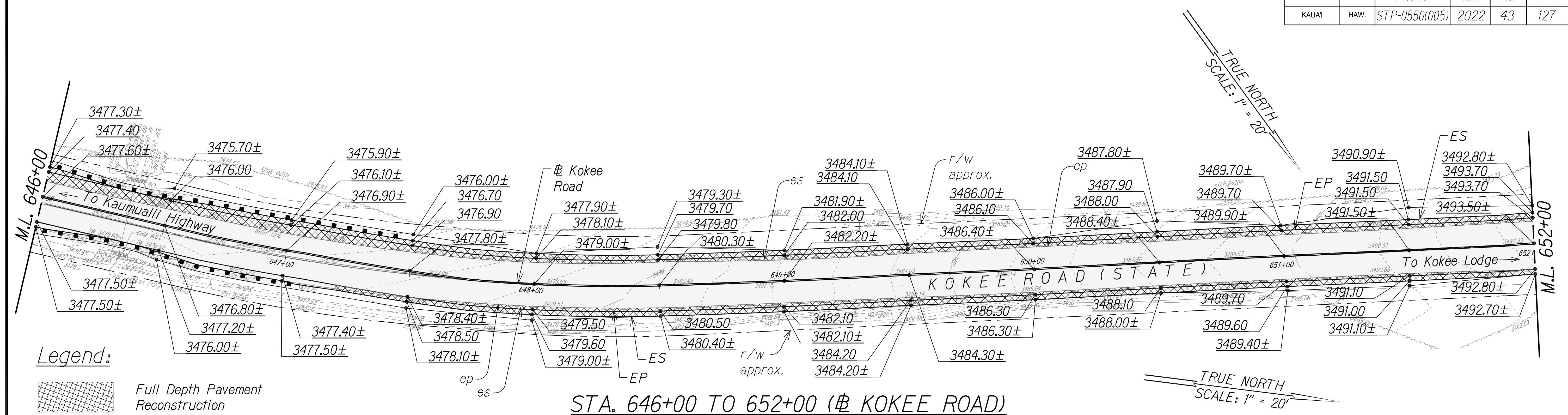
STATE OF HAWAII
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HIGHWAYS DIVISION

GRADING PLAN

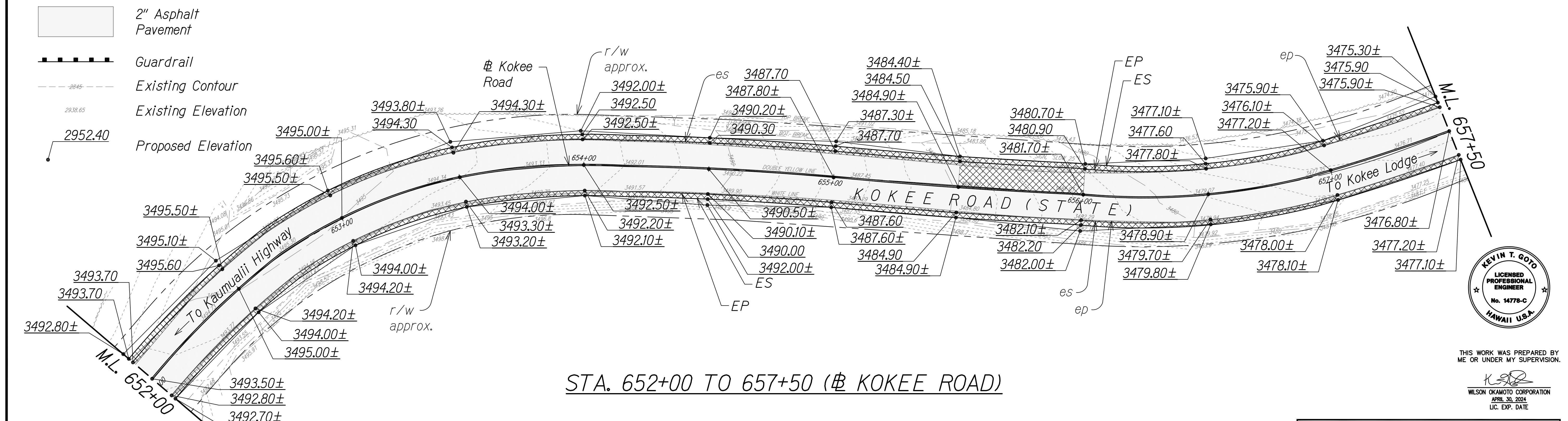
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 4 OF 13 SHEETS

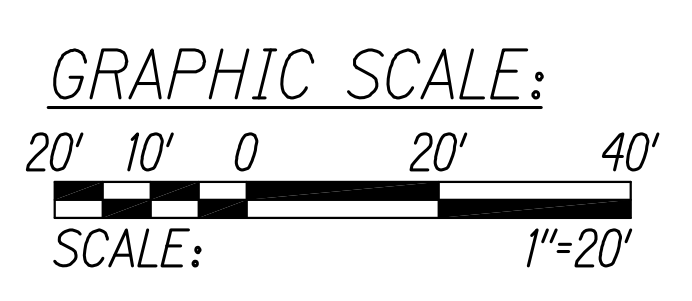
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	43	127



STA. 646+00 TO 652+00 (Kokee Road)



STA. 652+00 TO 657+50 (Kokee Road)



SURVEY PLOTTED BY	DATE
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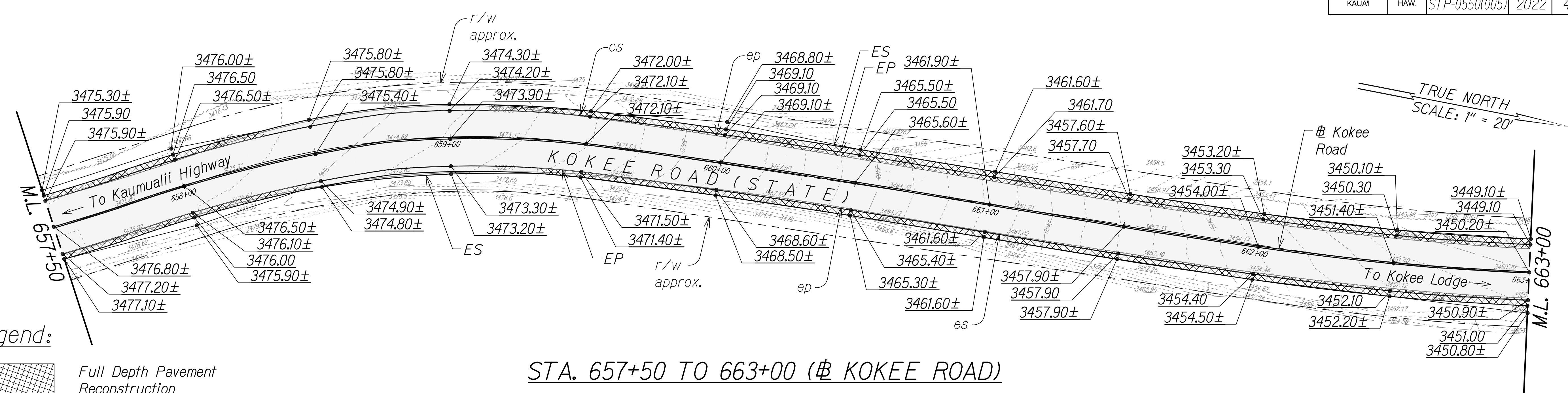
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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. 5 OF 13 SHEETS

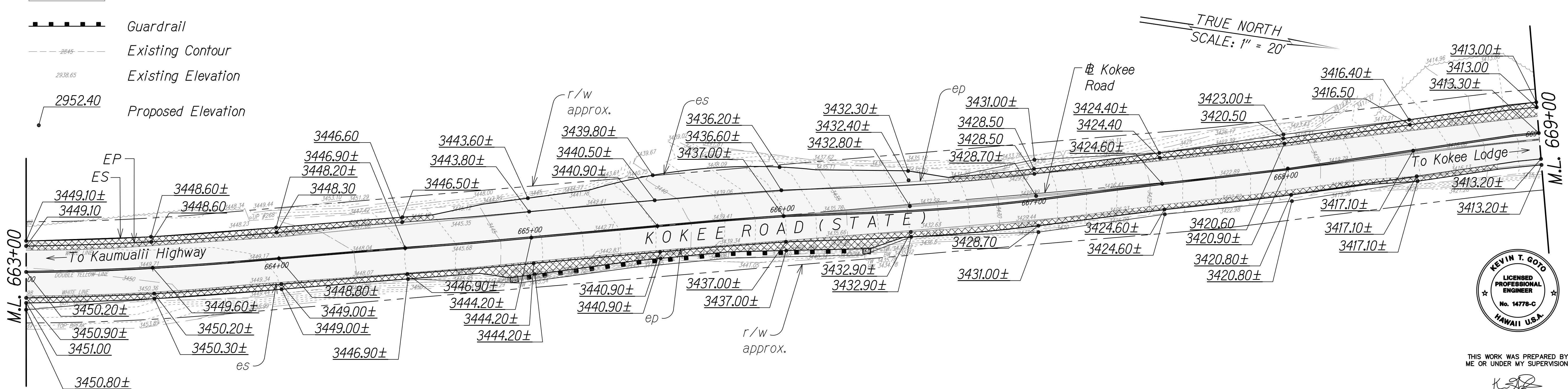
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	44	127



STA. 657+50 TO 663+00 (Kokee Road)

Legend:

- Full Depth Pavement Reconstruction
- 2" Asphalt Pavement
- Guardrail
- Existing Contour
- Existing Elevation
- Proposed Elevation



STA. 663+00 TO 669+00 (Kokee Road)



SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
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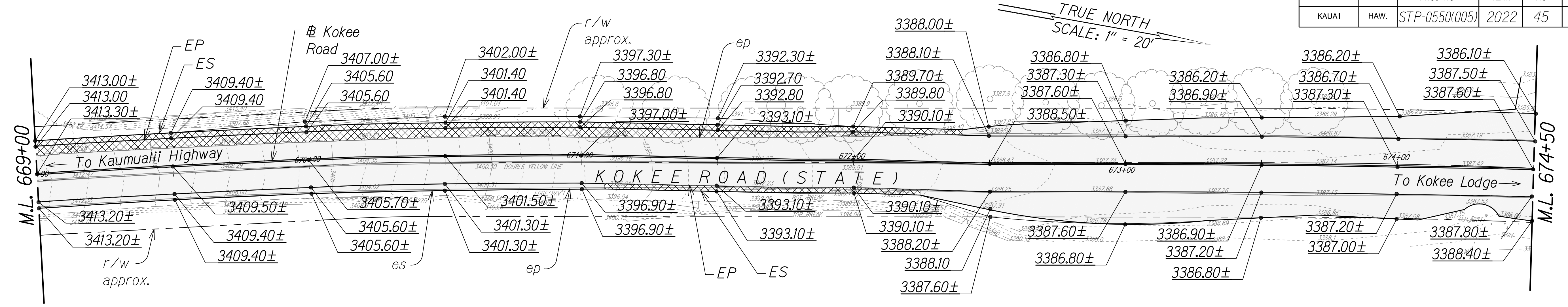
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

GRADING PLAN

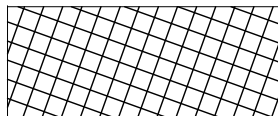
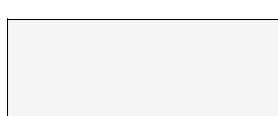


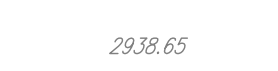
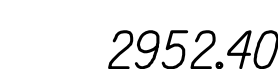
WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 20' Date: August 2022

SHEET No. 6 OF 13 SHEETS

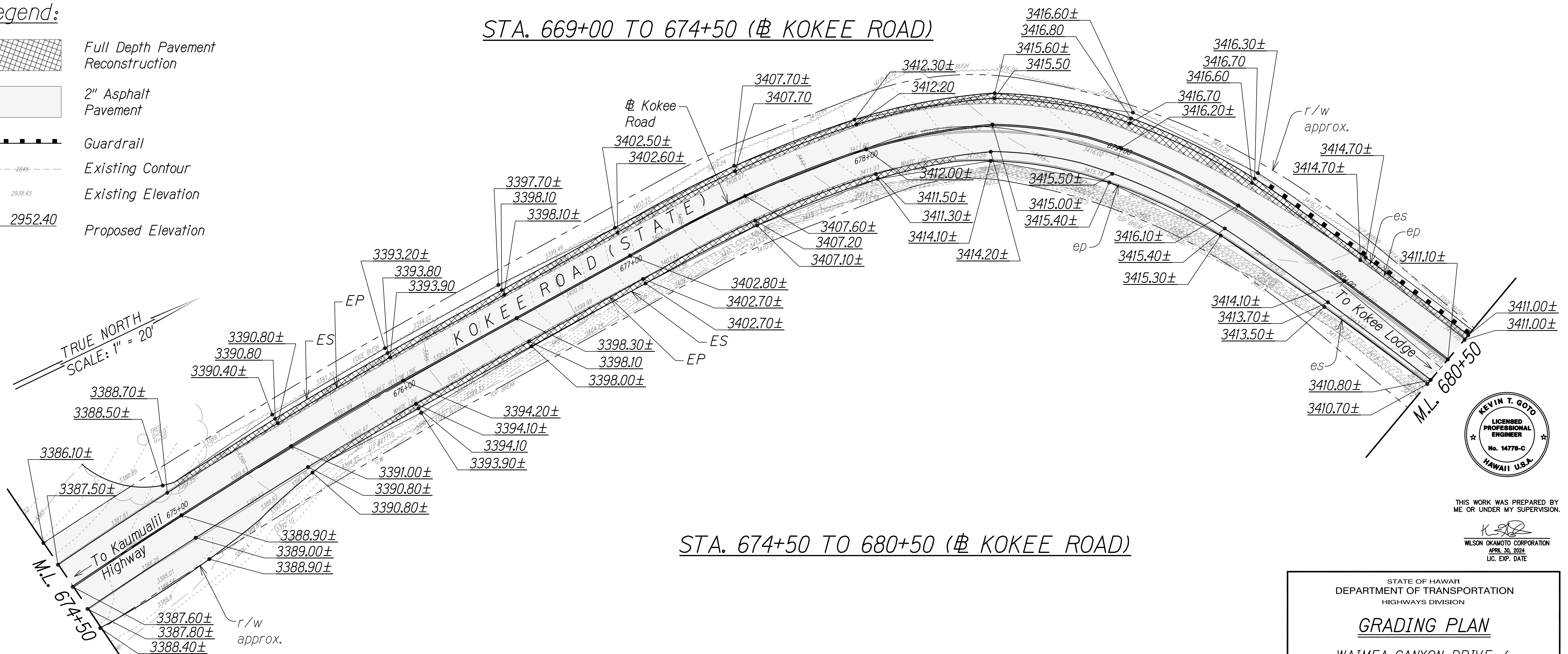
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	45	127



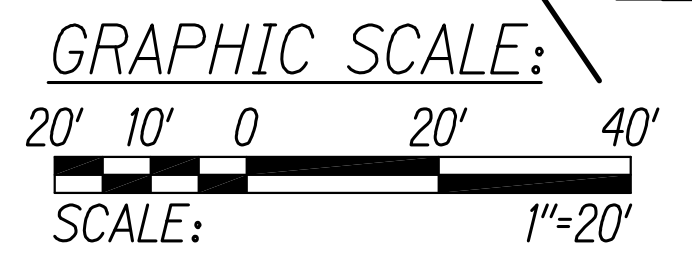
Legend:

-  Full Depth Pavement Reconstruction
-  2" Asphalt Pavement
-  Guardrail
-  Existing Contour
-  Existing Elevation
-  Proposed Elevation

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



STA. 674+50 TO 680+50 (# KOKEE ROAD)



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



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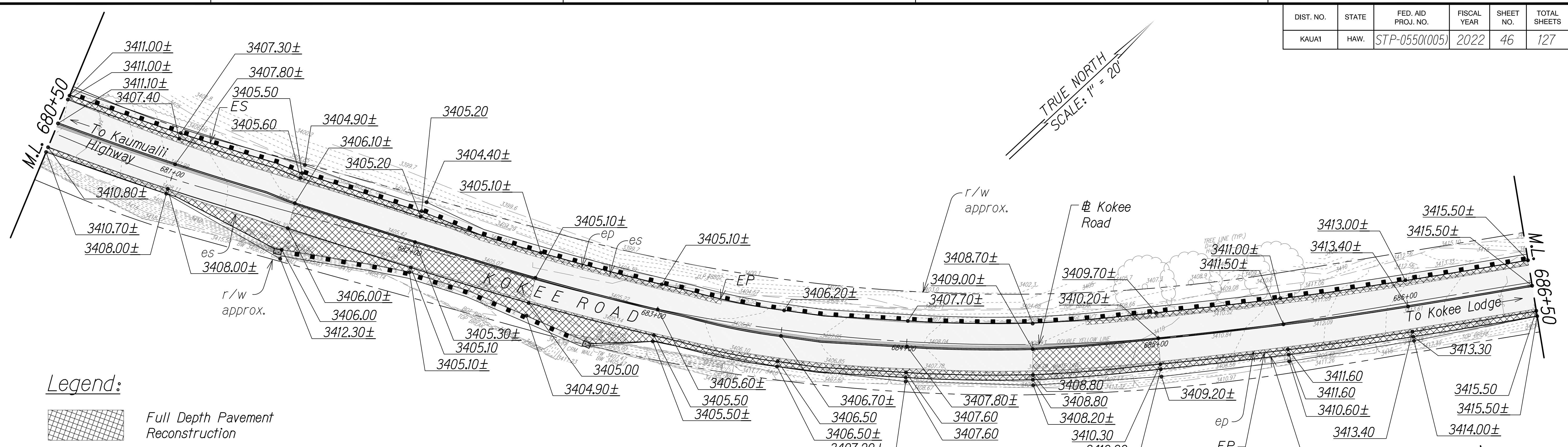
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

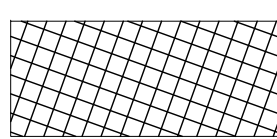





WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

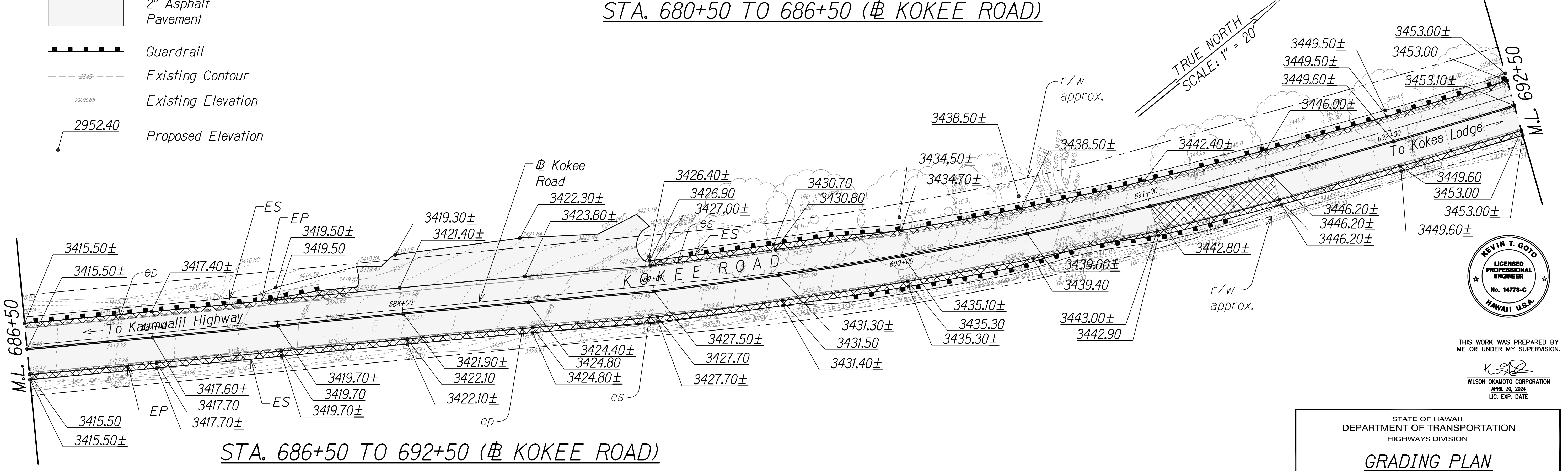
SHEET No. 7 OF 13 SHEETS

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

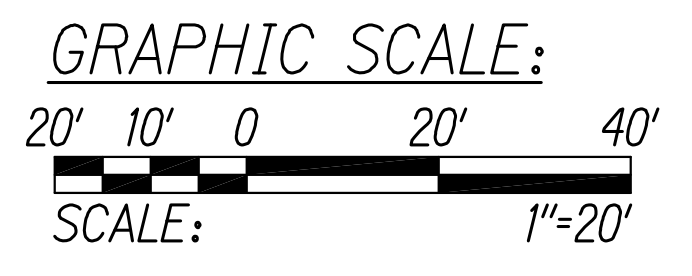


STA. 680+50 TO 686+50 (Kokee Road)

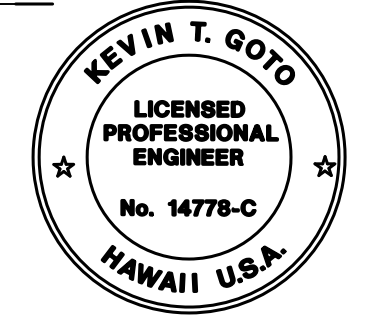
- Legend:**
-  Full Depth Pavement Reconstruction
 -  2" Asphalt Pavement
 -  Guardrail
 -  Existing Contour
 -  Existing Elevation
 -  Proposed Elevation



STA. 686+50 TO 692+50 (Kokee Road)



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



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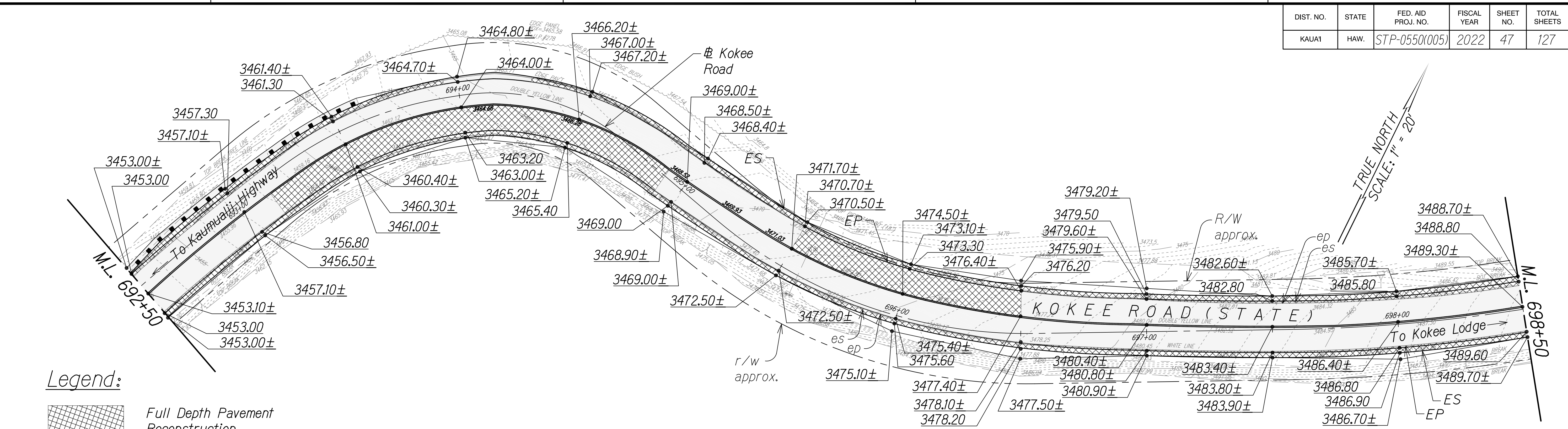
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

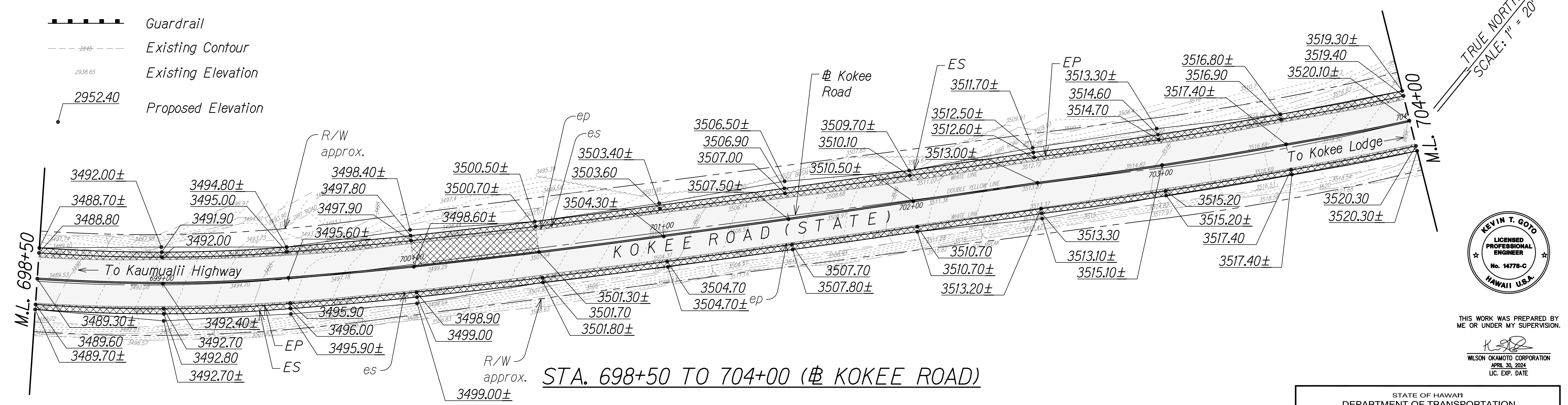
SHEET No. 8 OF 13 SHEETS

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



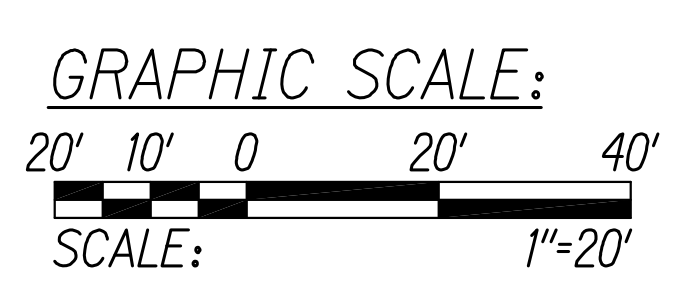
- Legend:**
- Full Depth Pavement Reconstruction
 - 2" Asphalt Pavement
 - Guardrail
 - Existing Contour
 - Existing Elevation
 - Proposed Elevation

STA. 692+50 TO 698+50 (# KOKEE ROAD)



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

SURVEY PLOTTED BY	DATE
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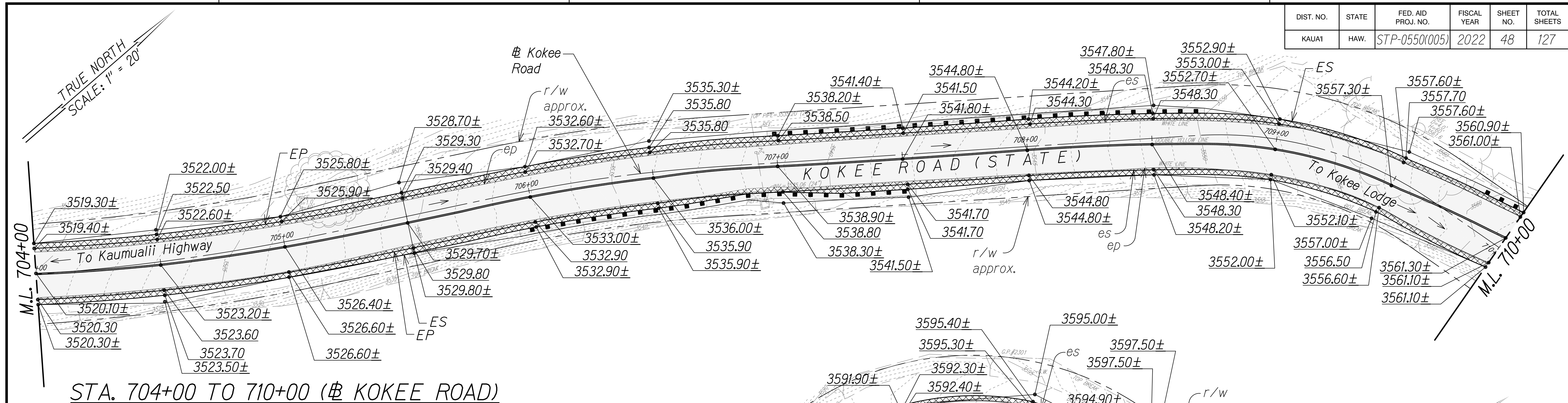
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

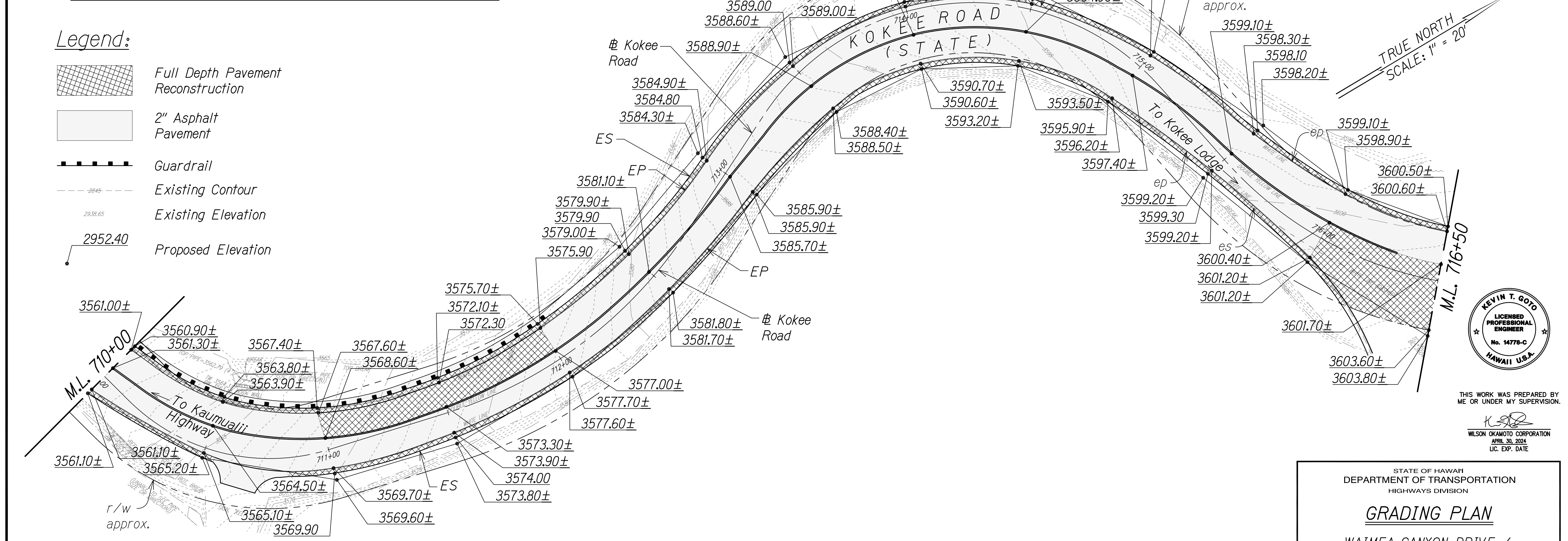
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 9 OF 13 SHEETS

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



- Legend:**
- Full Depth Pavement Reconstruction
 - 2" Asphalt Pavement
 - Guardrail
 - Existing Contour
 - Existing Elevation
 - Proposed Elevation



STA. 710+00 TO 716+50 (Kokee Road)

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NOTE BOOK	
No.	



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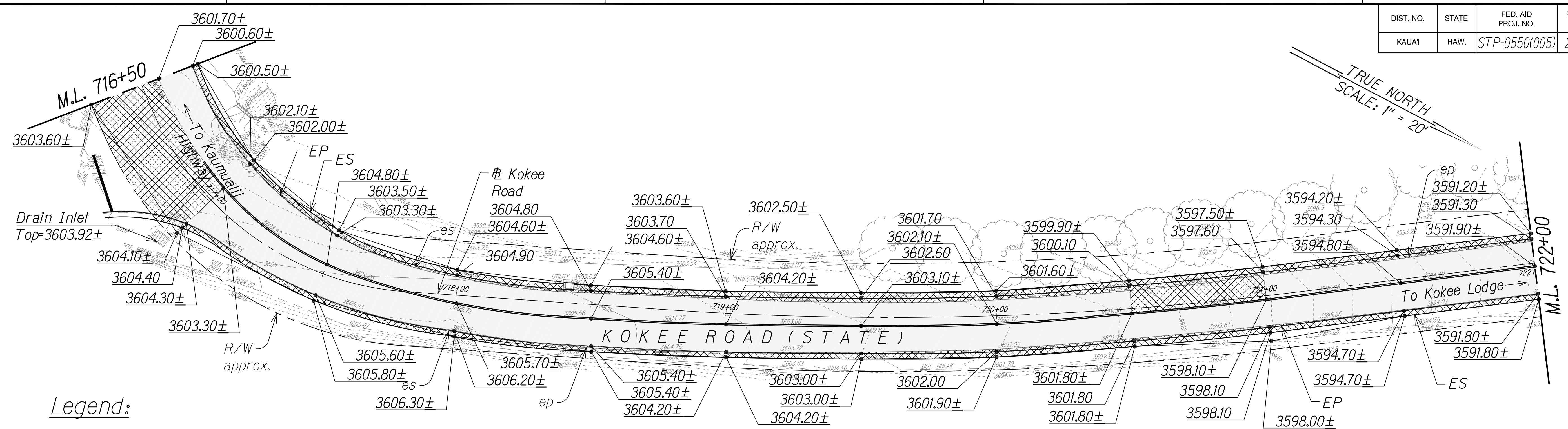
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

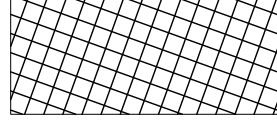


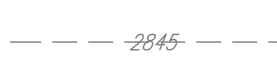

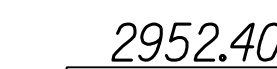
WAIMEA CANYON DRIVE /
Kokee Road Improvements, Phase 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

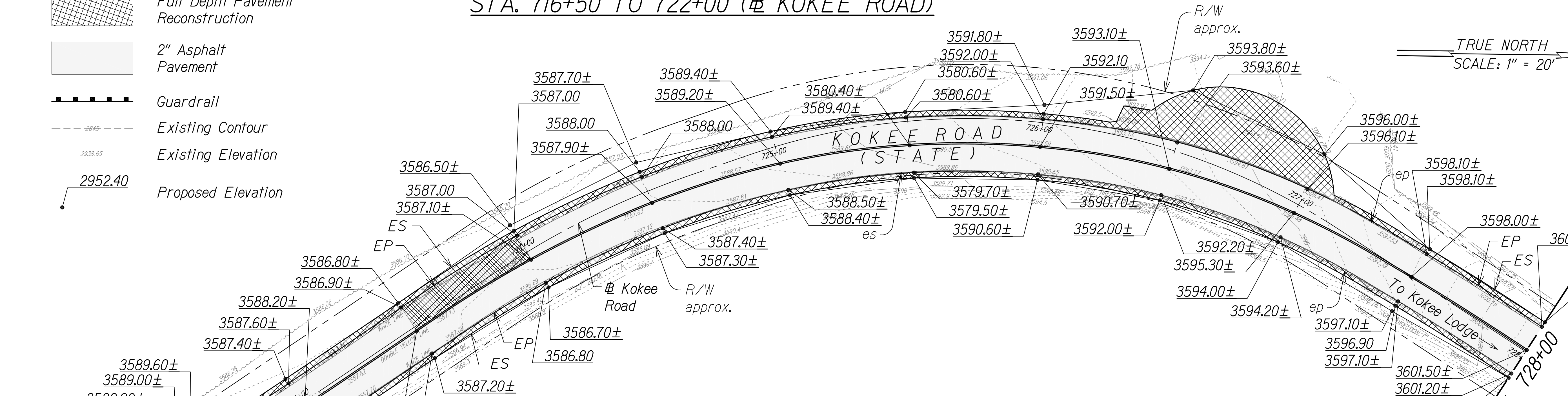
SHEET No. 10 OF 13 SHEETS

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

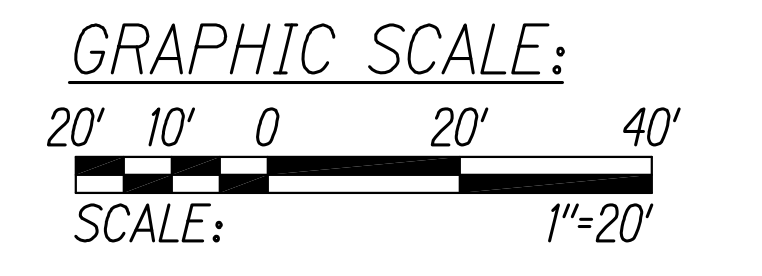


STA. 716+50 TO 722+00 (# KOKEE ROAD)

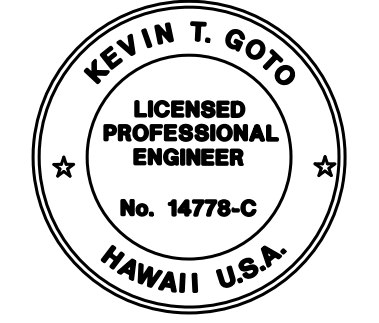
- Legend:*
-  Full Depth Pavement Reconstruction
 -  2" Asphalt Pavement
 -  Guardrail
 -  Existing Contour
 -  Existing Elevation
 -  Proposed Elevation



STA. 722+00 TO 728+00 (# KOKEE ROAD)



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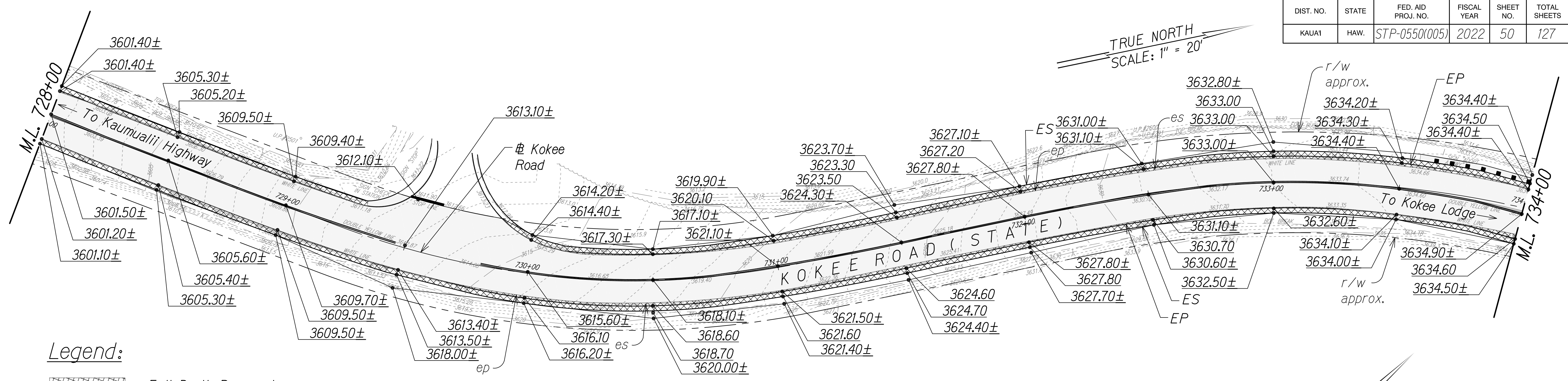
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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

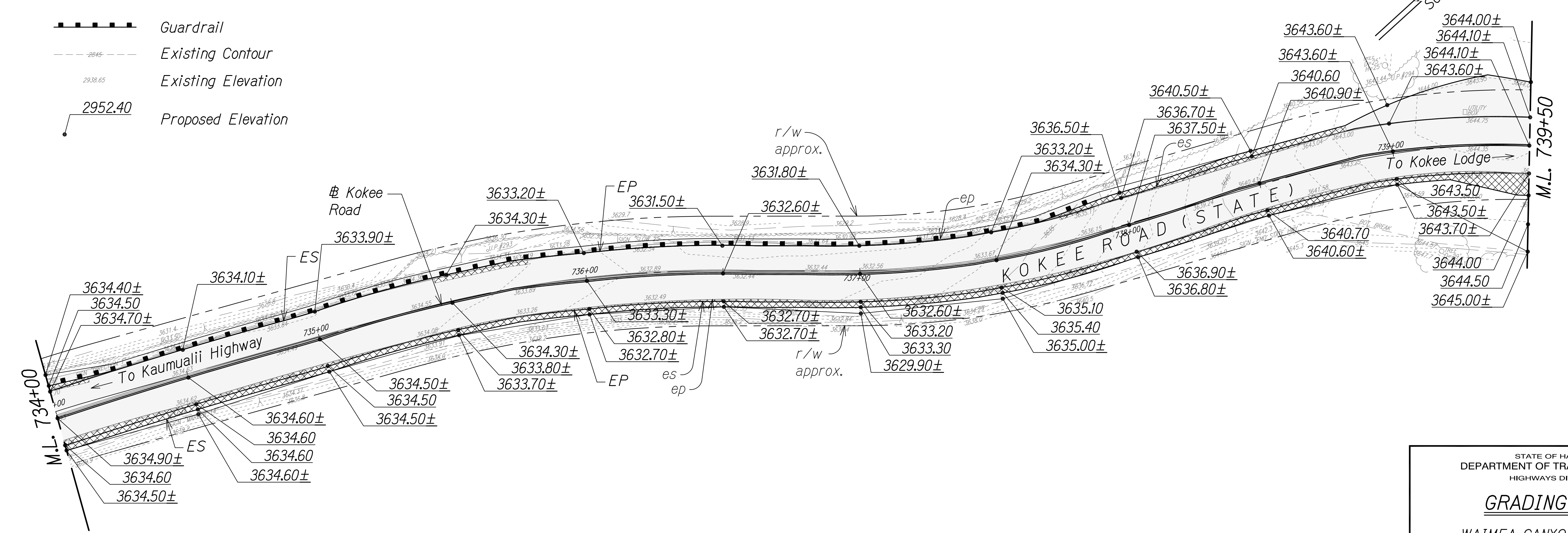
SHEET No. 11 OF 13 SHEETS

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

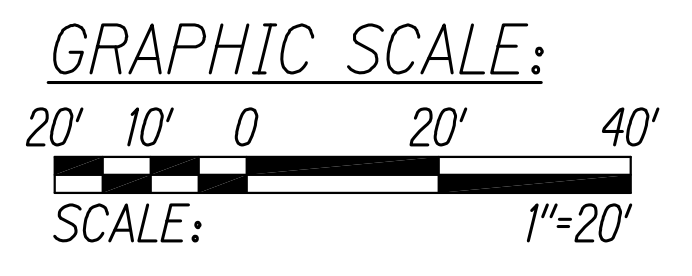


- Legend:**
- Full Depth Pavement Reconstruction
 - 2" Asphalt Pavement
 - Guardrail
 - Existing Contour
 - Existing Elevation
 - Proposed Elevation

STA. 728+00 TO 734+00 (Kokee Road)



STA. 734+00 TO 739+50 (Kokee Road)



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



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Wilson Okamoto
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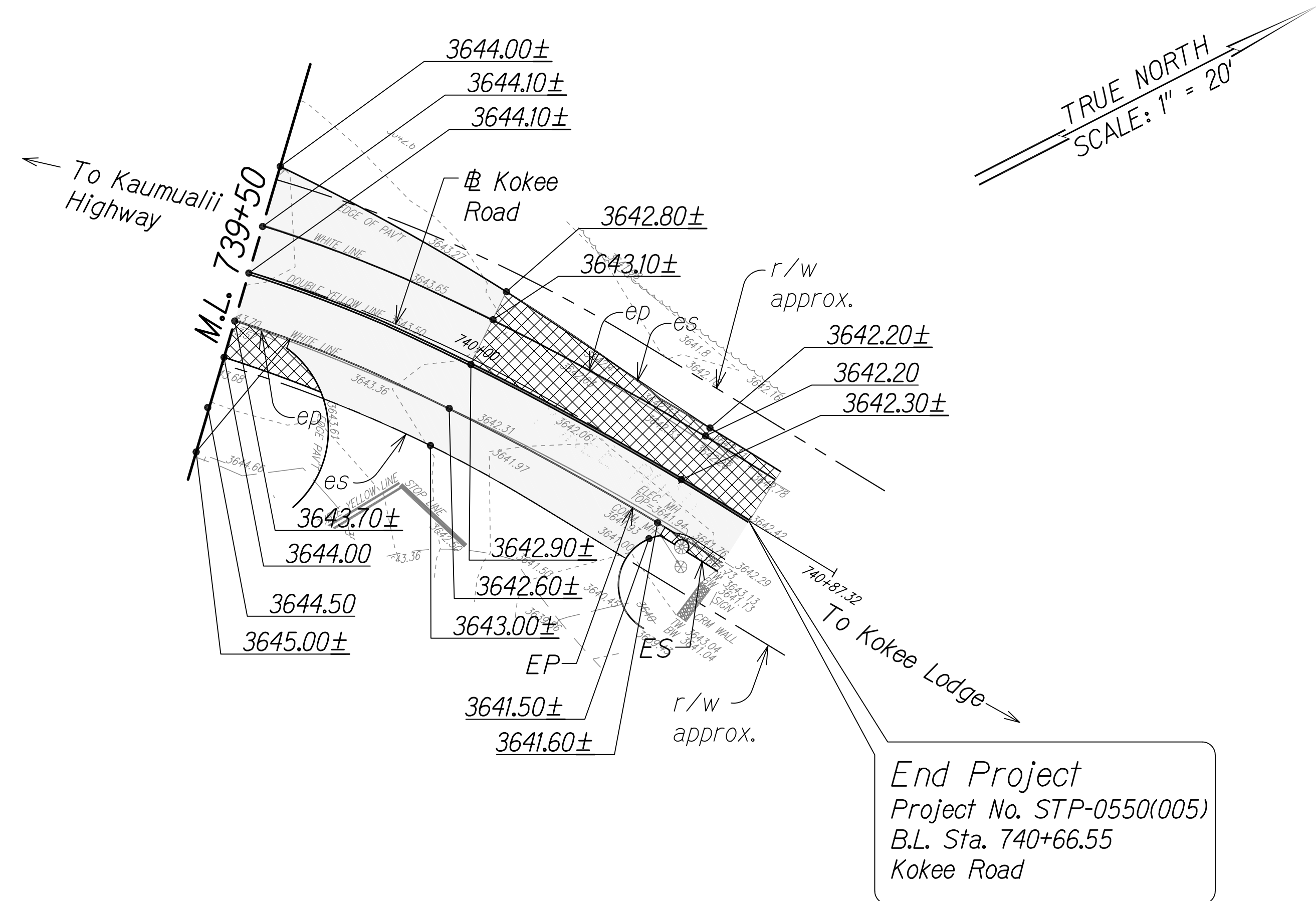
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

GRADING PLAN

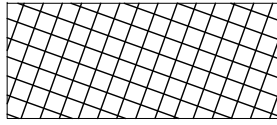





WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 20' Date: August 2022

SHEET No. 12 OF 13 SHEETS

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



Legend:

-  Full Depth Pavement Reconstruction
-  2" Asphalt Pavement
-  Guardrail
-  Existing Contour
-  Existing Elevation
-  Proposed Elevation

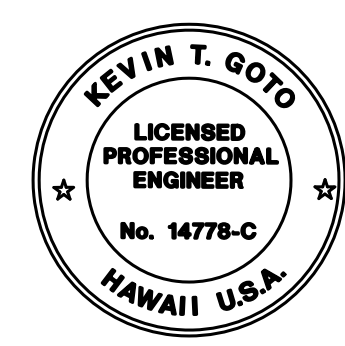
STA. 739+50 TO 740+87.32 (# KOKEE ROAD)

Notes

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



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NOTE BOOK	
No.	



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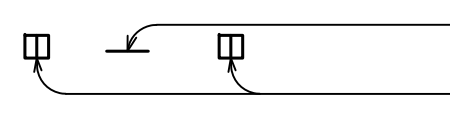
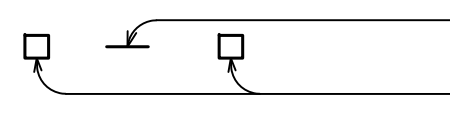
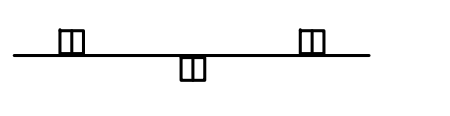
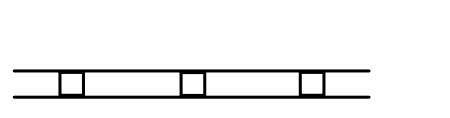



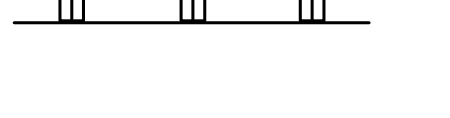
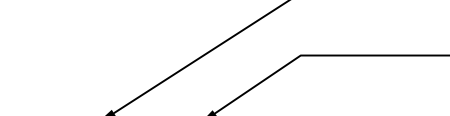



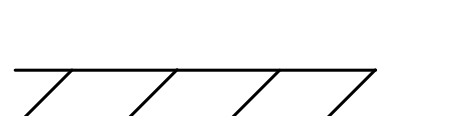


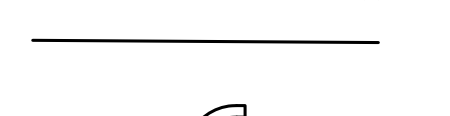

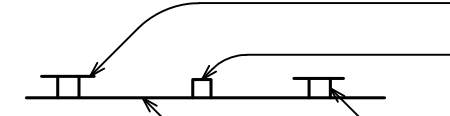

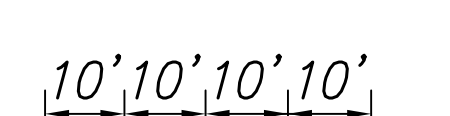
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

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

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

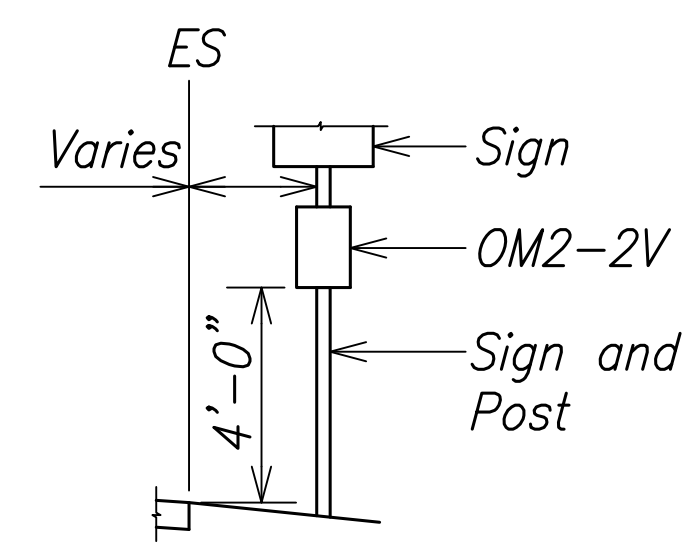
PAVEMENT MARKING LEGEND

-  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 631 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 Kauai 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

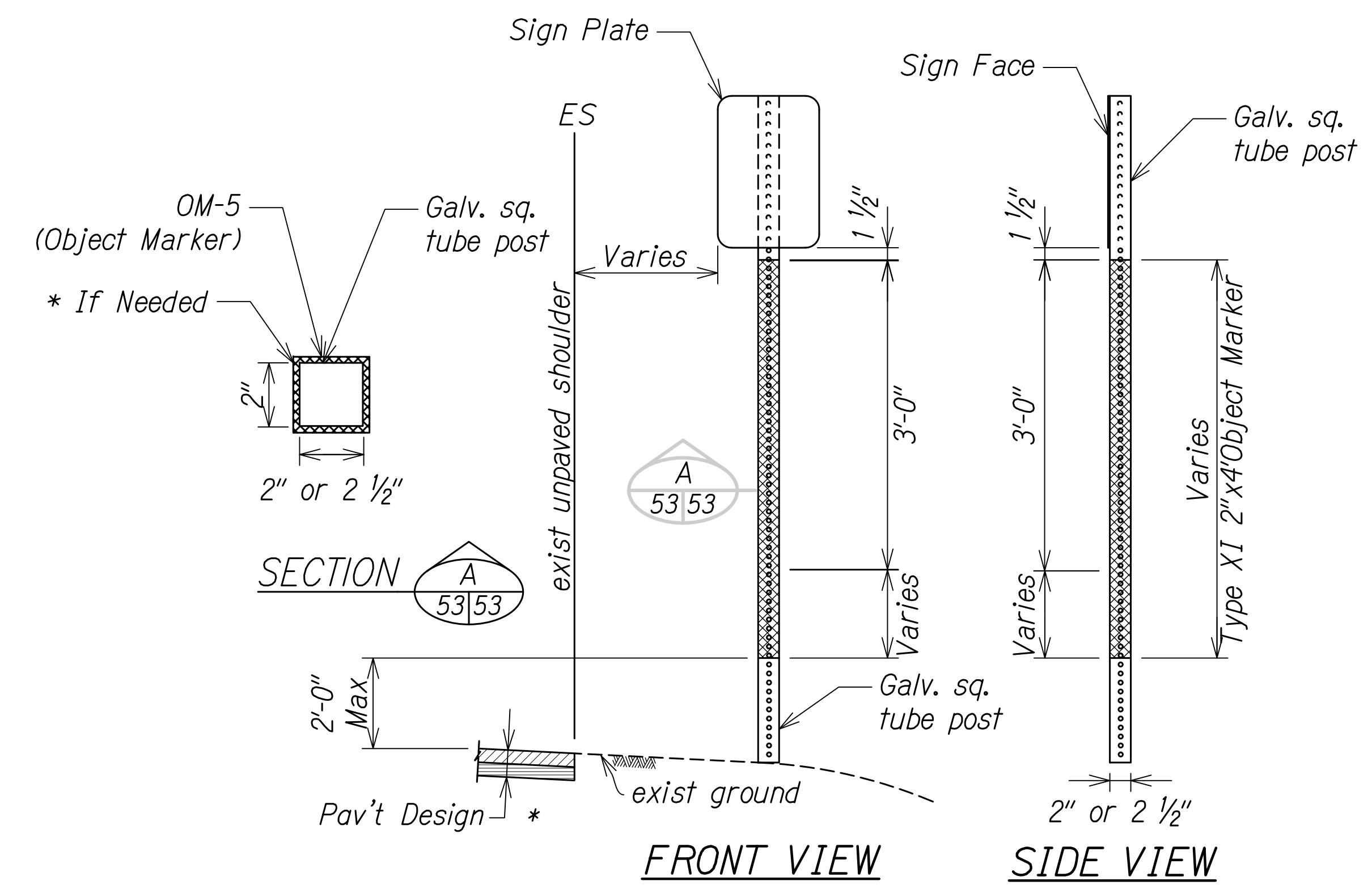
DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NOTE BOOK	_____
No.	_____



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STATE OF HAWAII
 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

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



OBJECT MARKER (OM-5) DETAIL @ TRAFFIC SIGN POST
Not to Scale

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

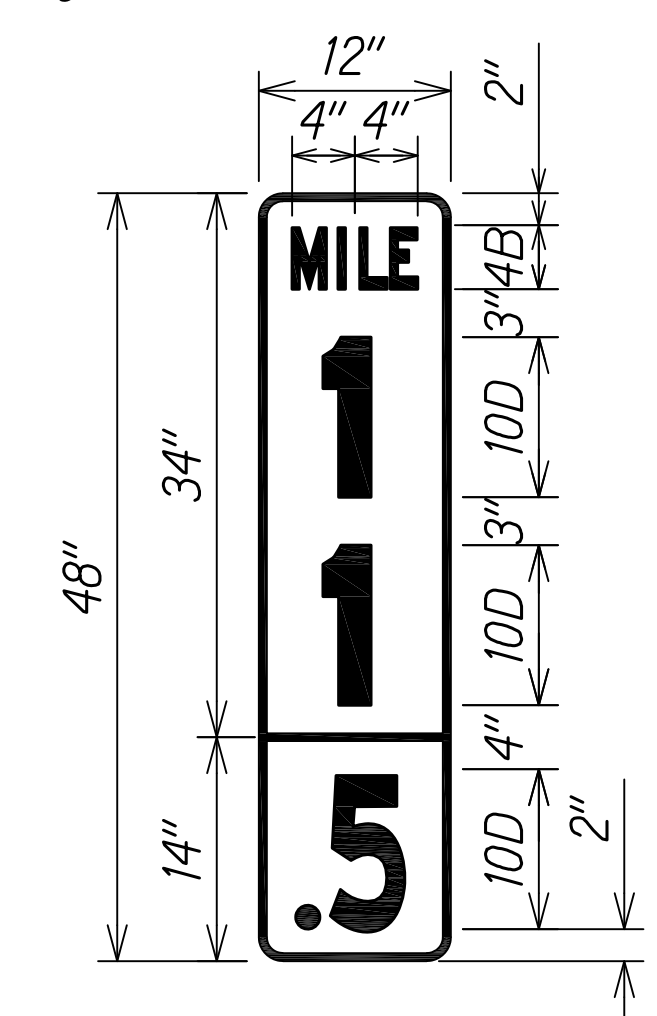


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 WILSON OKAMOTO CORPORATION
 APRIL 30, 2024
 LIC. EXP. DATE

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

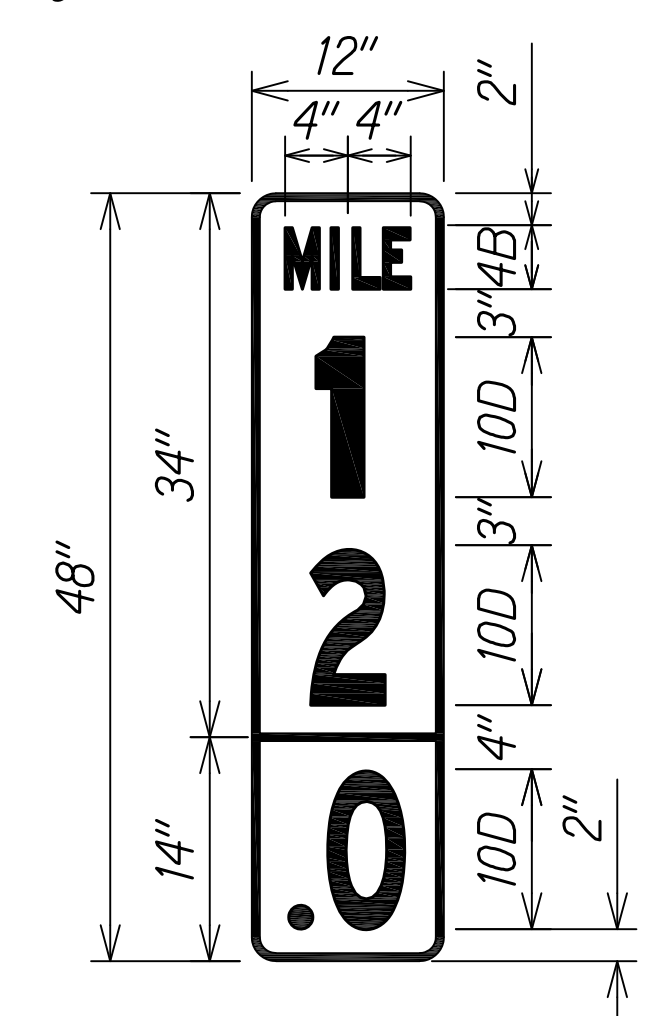
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	54	127

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



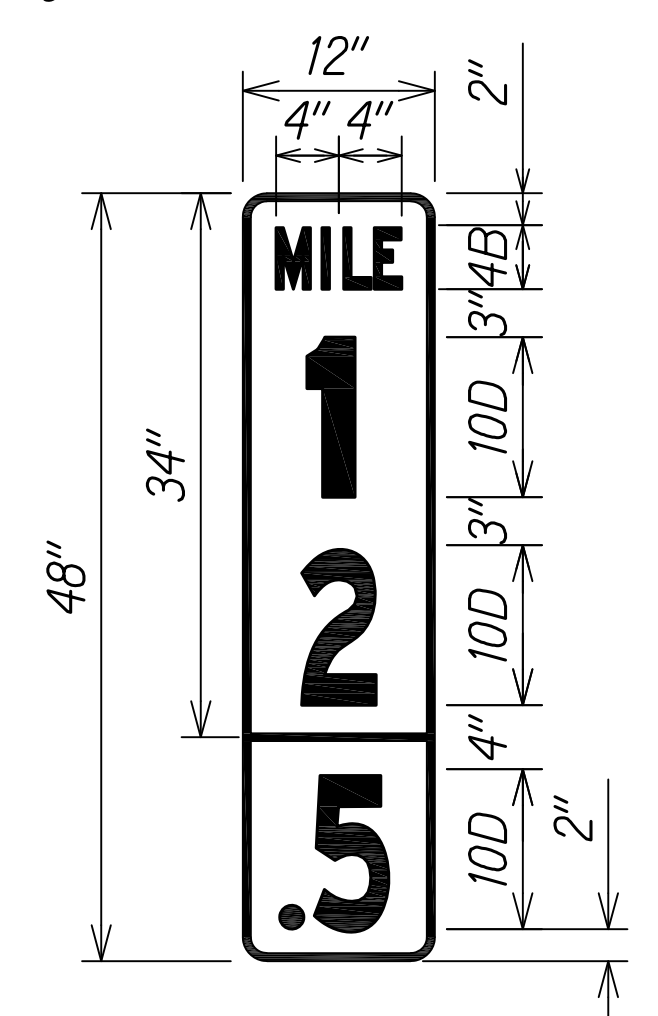
D10-2a (11.5)
Not to Scale

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



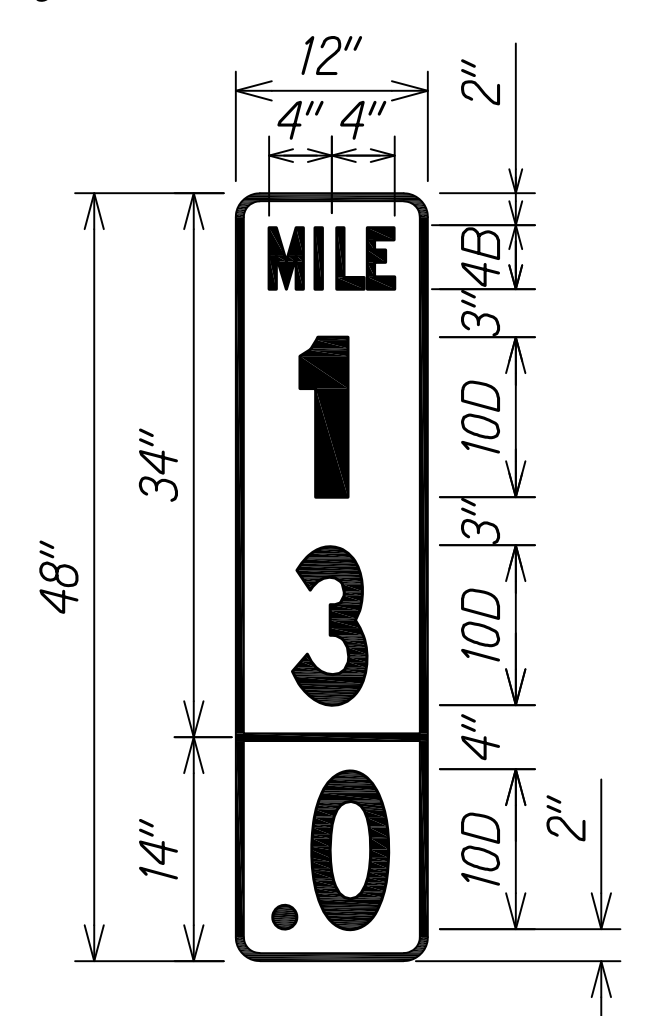
D10-2a (12.0)
Not to Scale

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



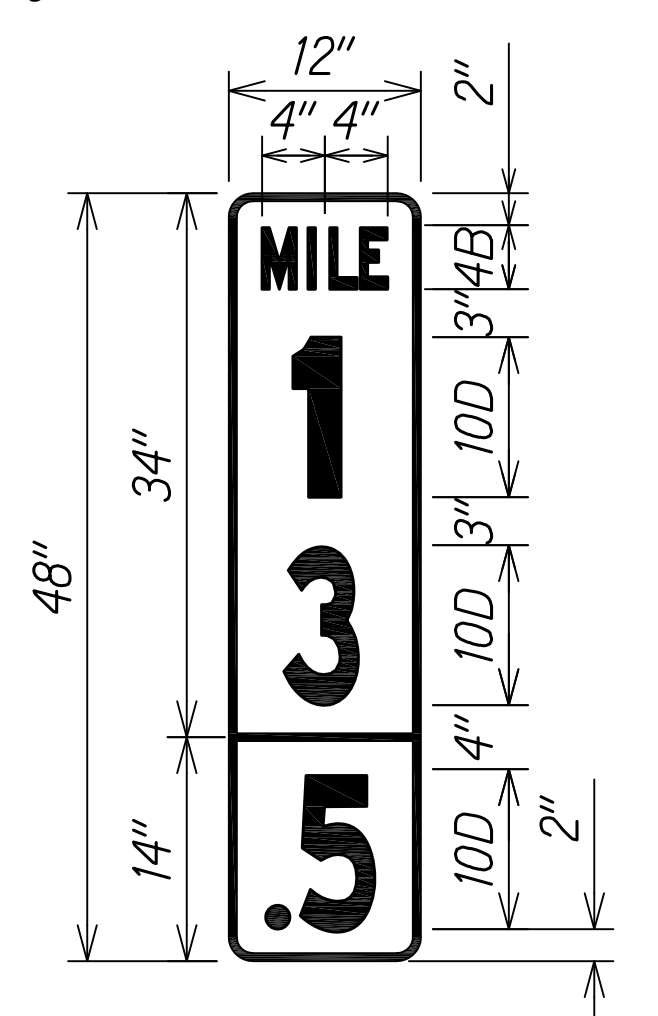
D10-2a (12.5)
Not to Scale

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



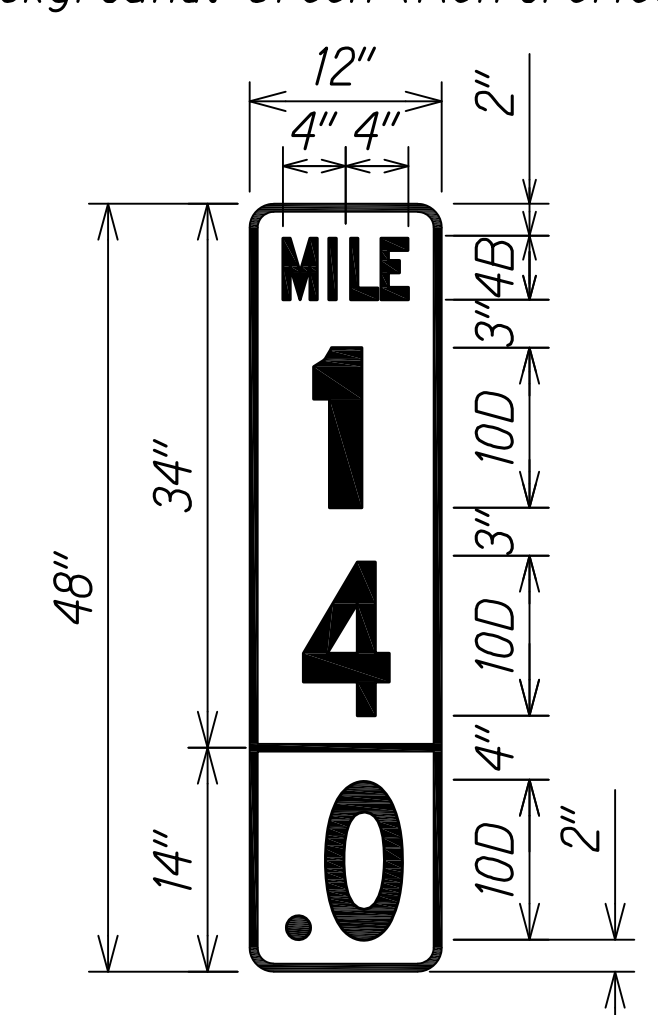
D10-2a (13.0)
Not to Scale

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



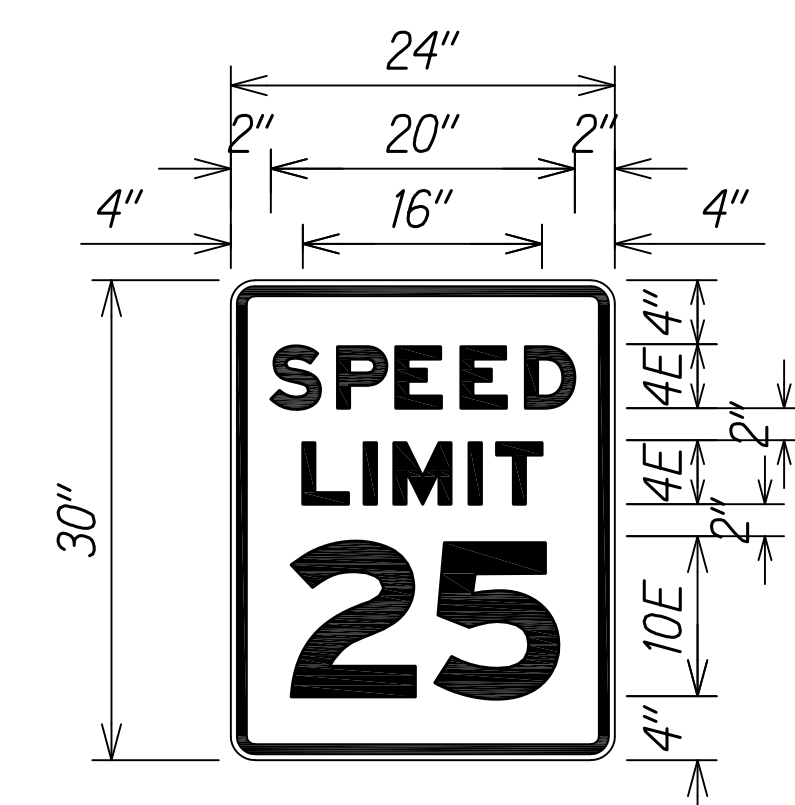
D10-2a (13.5)
Not to Scale

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



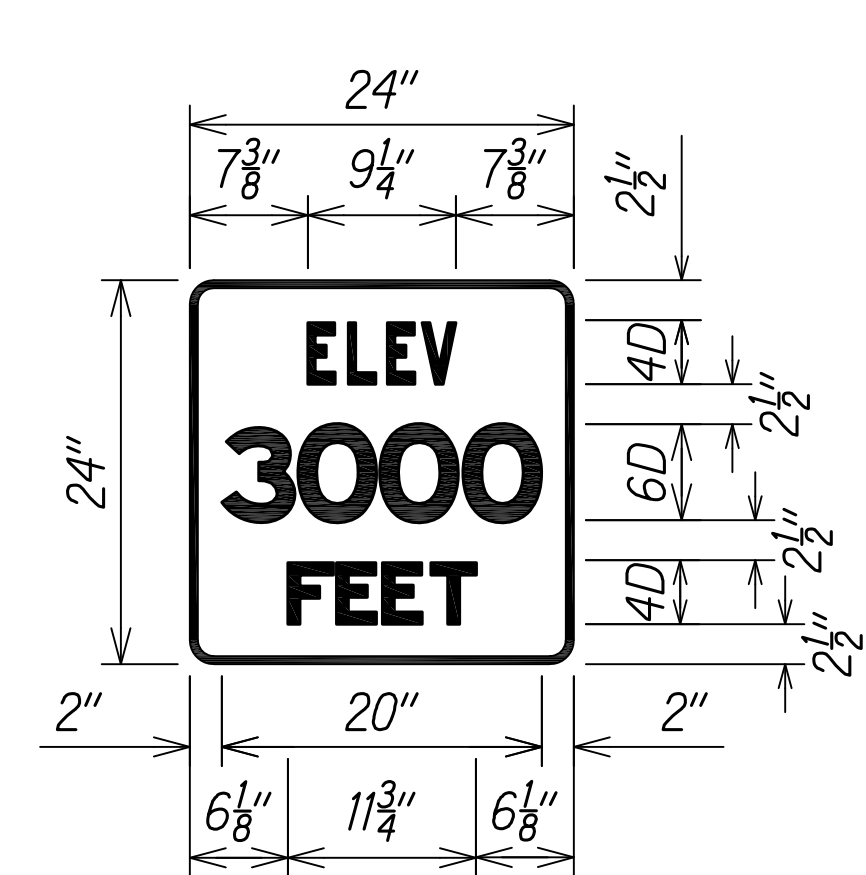
D10-2a (14.0)
Not to Scale

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



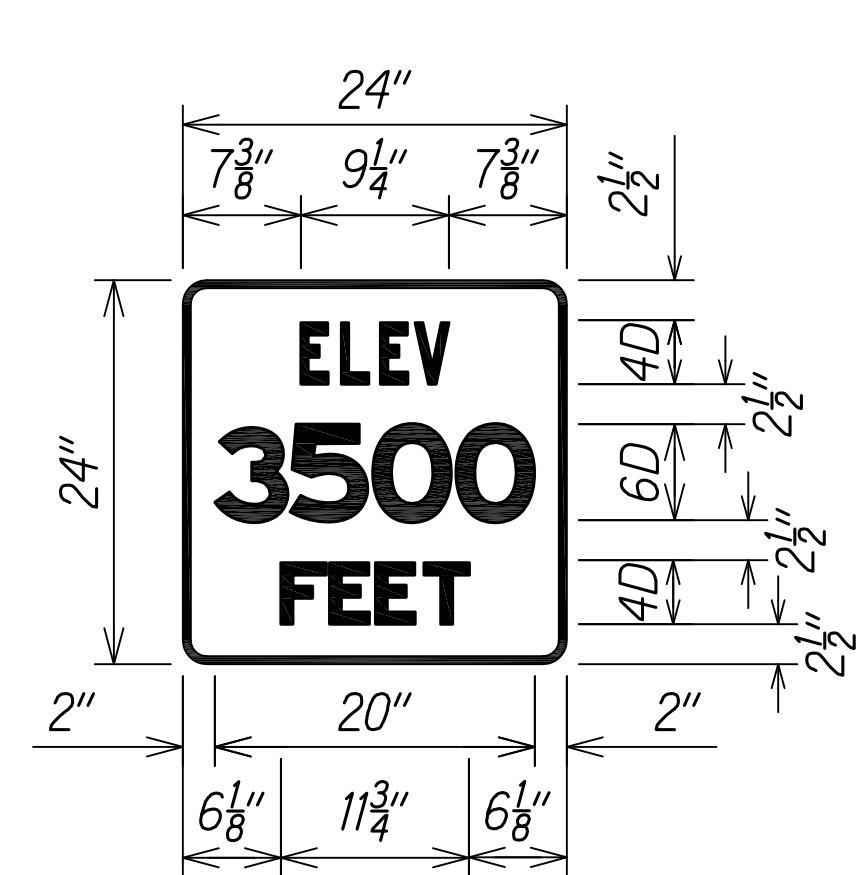
R2-1 (25)
Not to Scale

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



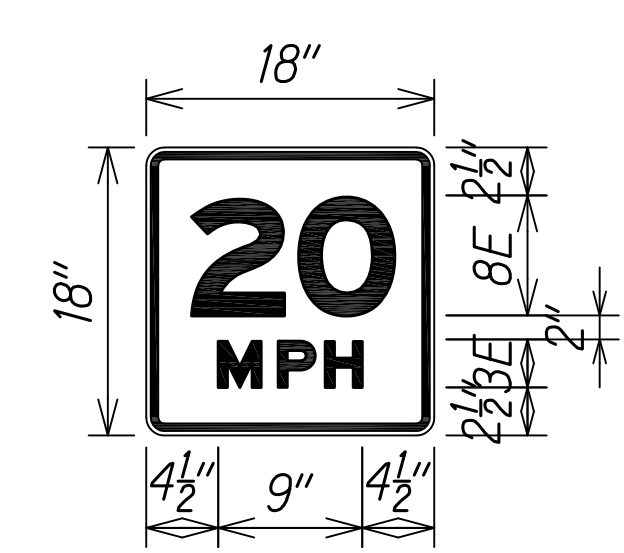
I-15 (3000)
Not to Scale

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



I-15 (3500)
Not to Scale

Legend: Black (Retroreflective)
Background: Yellow (Retroreflective)



W13-1P (20)
Not to Scale

NOTES

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

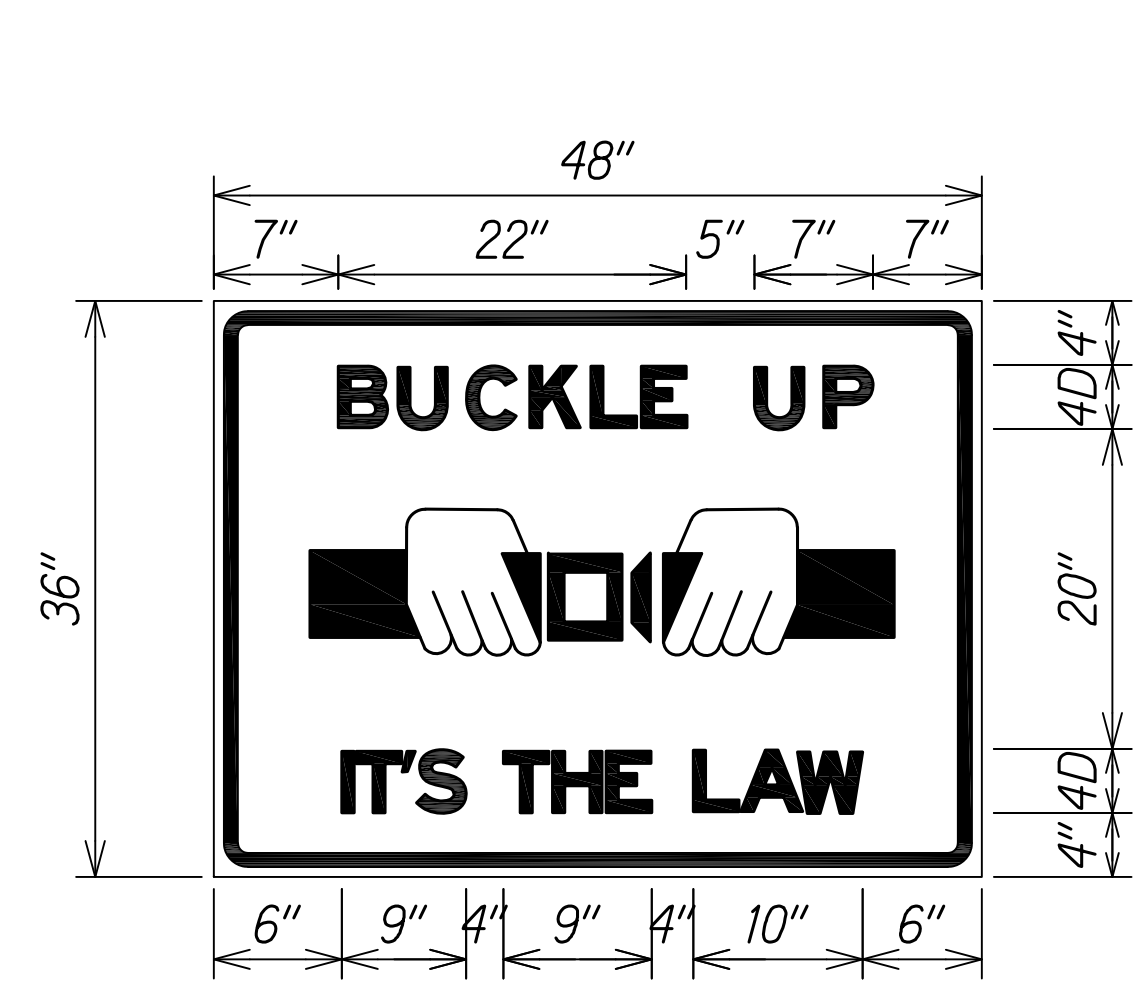
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	



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LIC. EXP. DATE

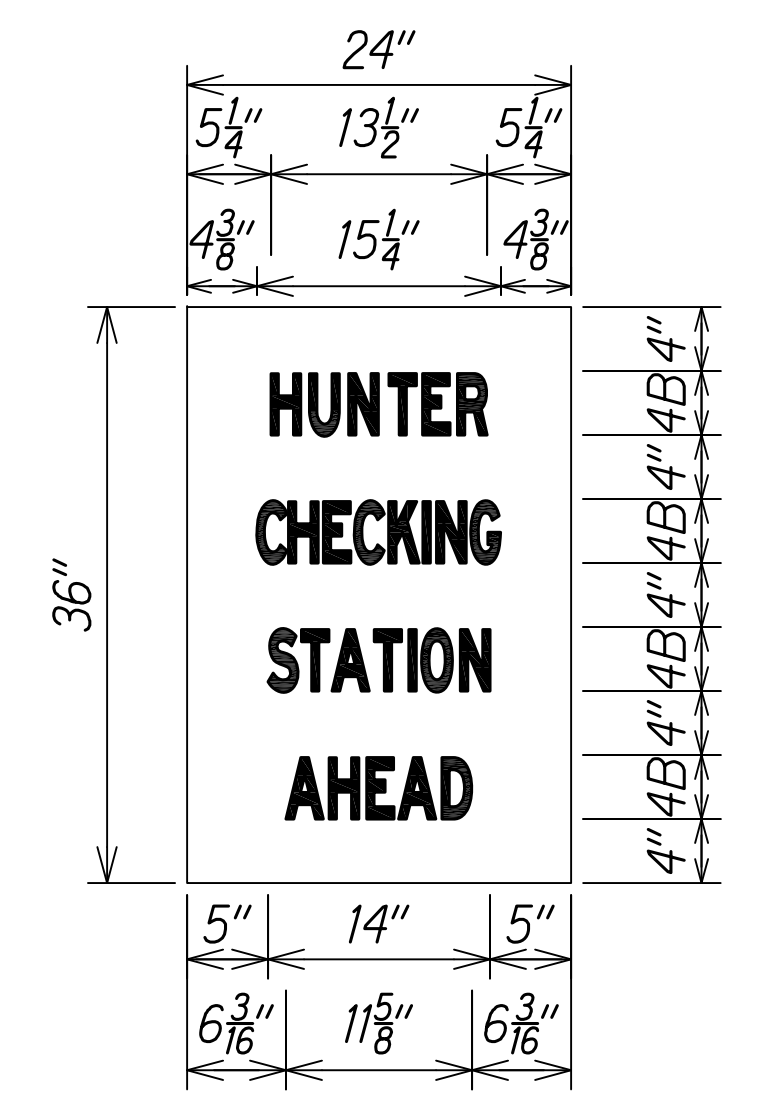
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TRAFFIC SIGN
DETAILS
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

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



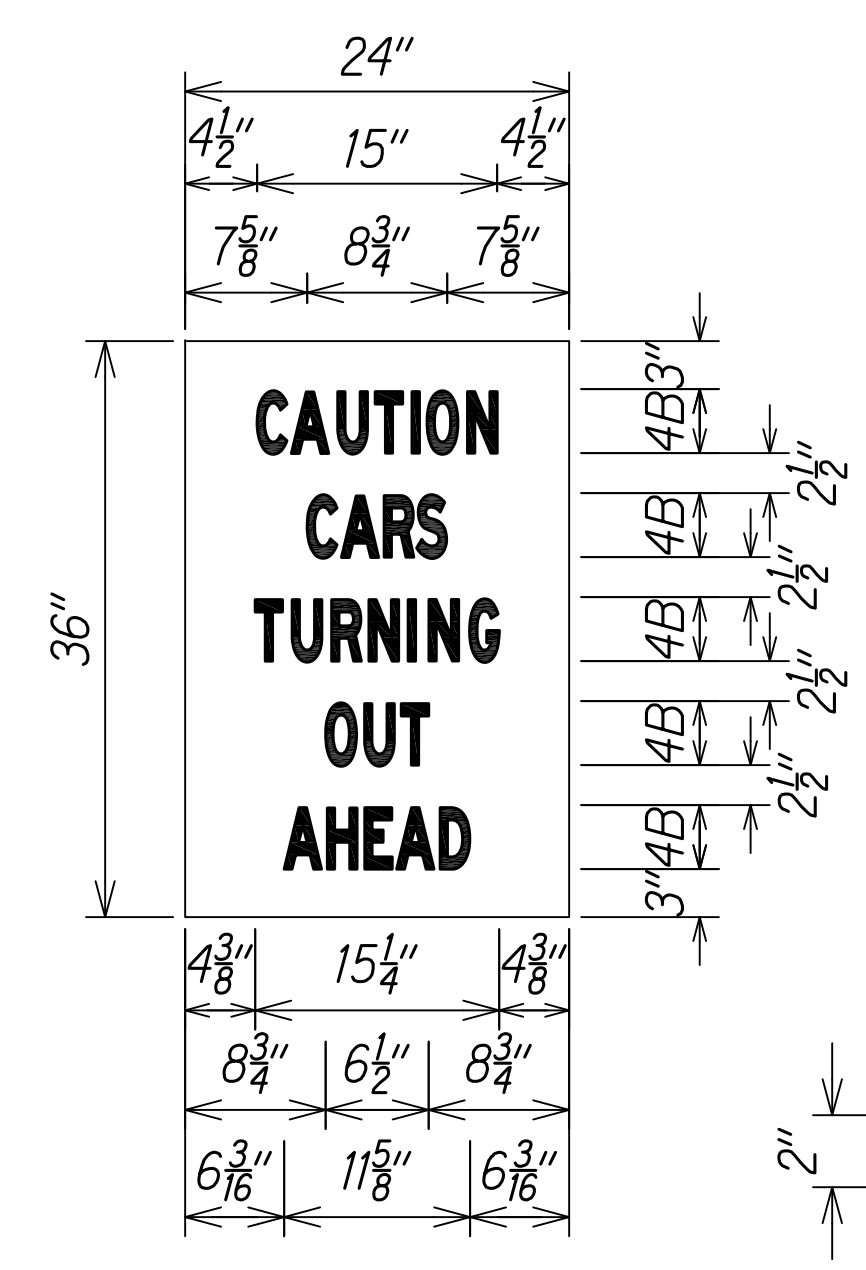
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Background: White (Retroreflective)

Custom
Not to Scale



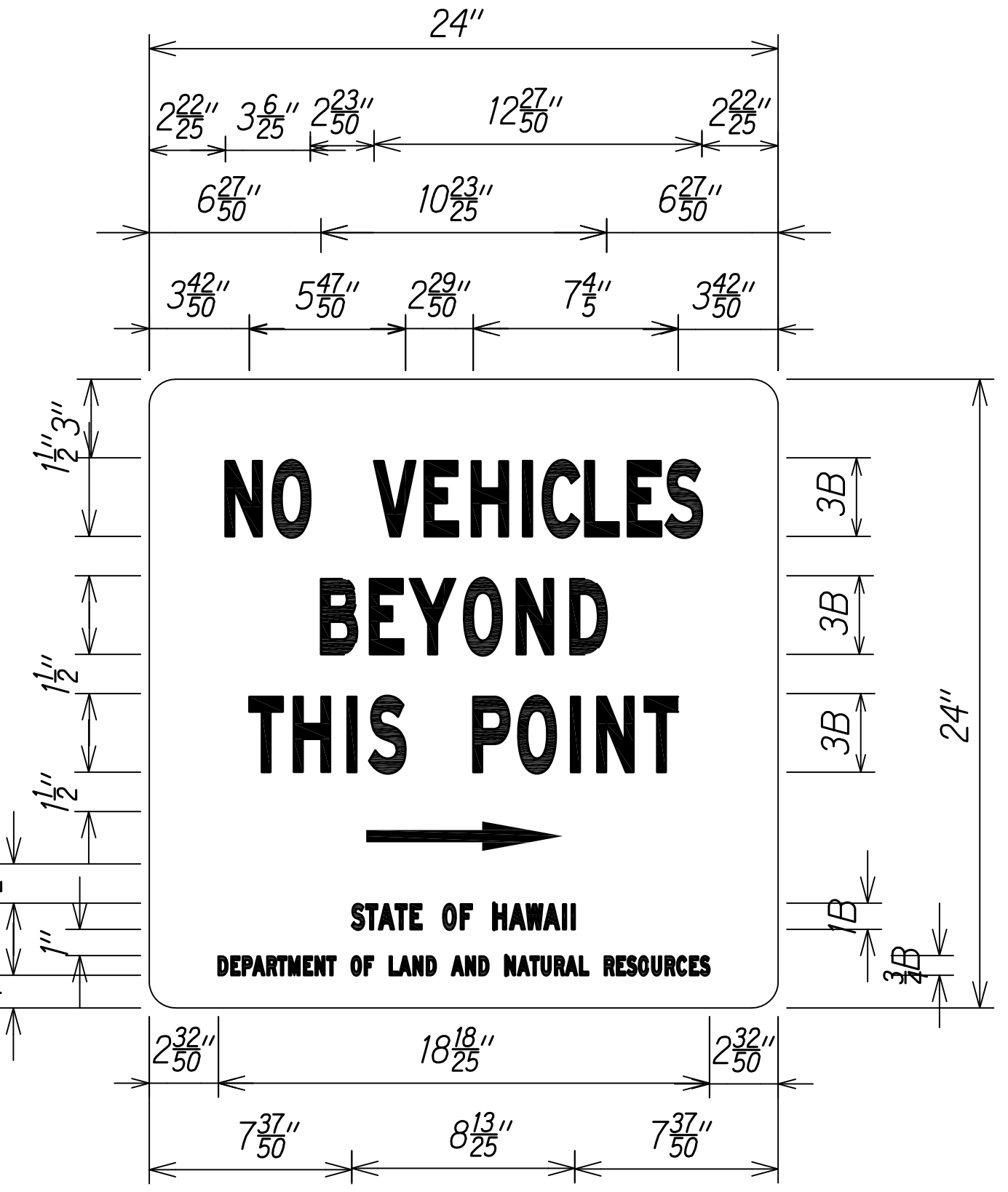
Legend: Black
Background: White (Retroreflective)

Custom
Not to Scale



Legend: Black
Background: White (Retroreflective)

Custom
Not to Scale



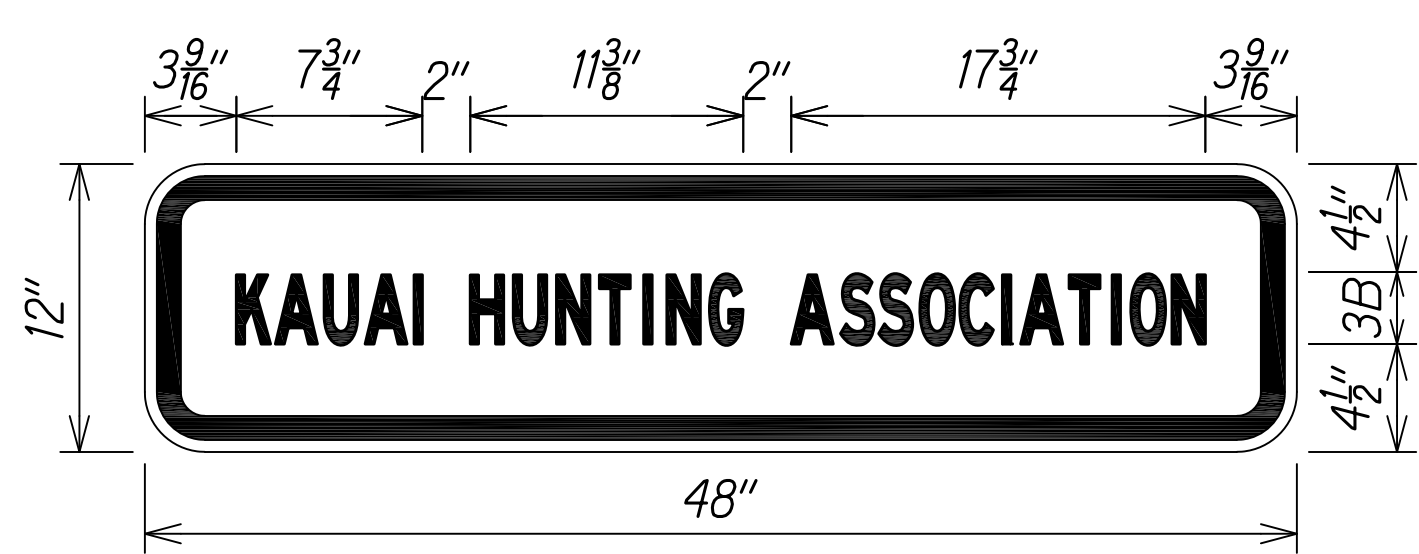
Legend: Black
Background: White (Retroreflective)

Custom
Not to Scale



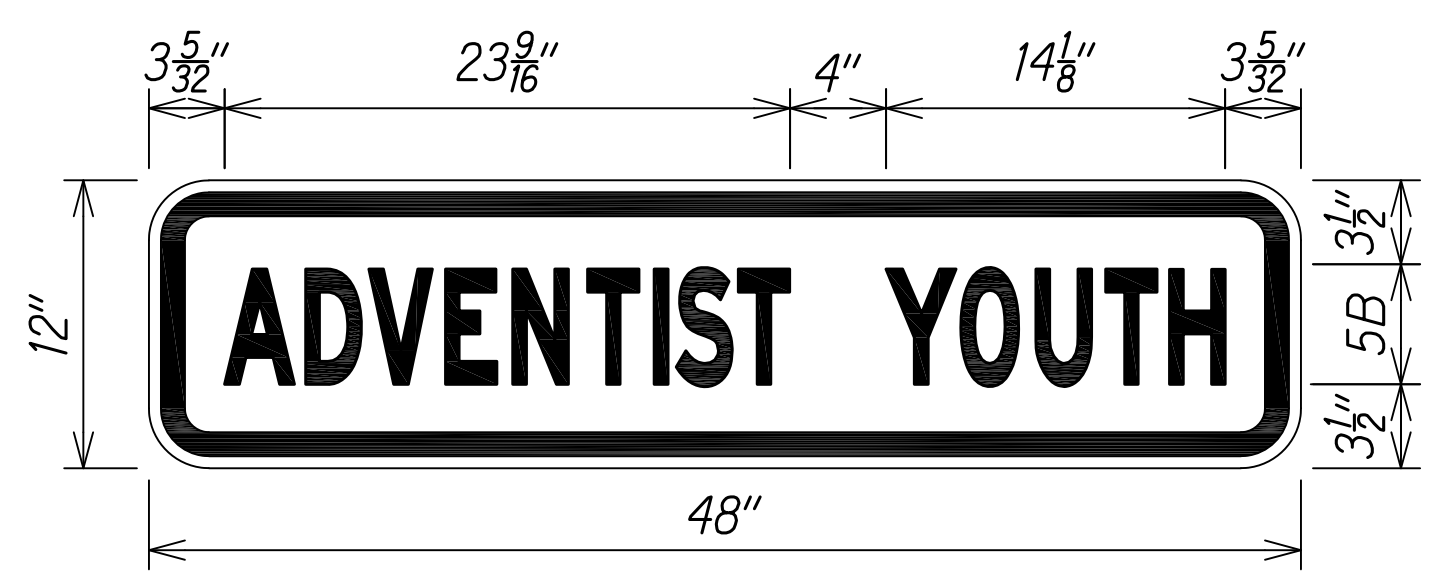
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Background: White (Retroreflective)

Custom
Not to Scale



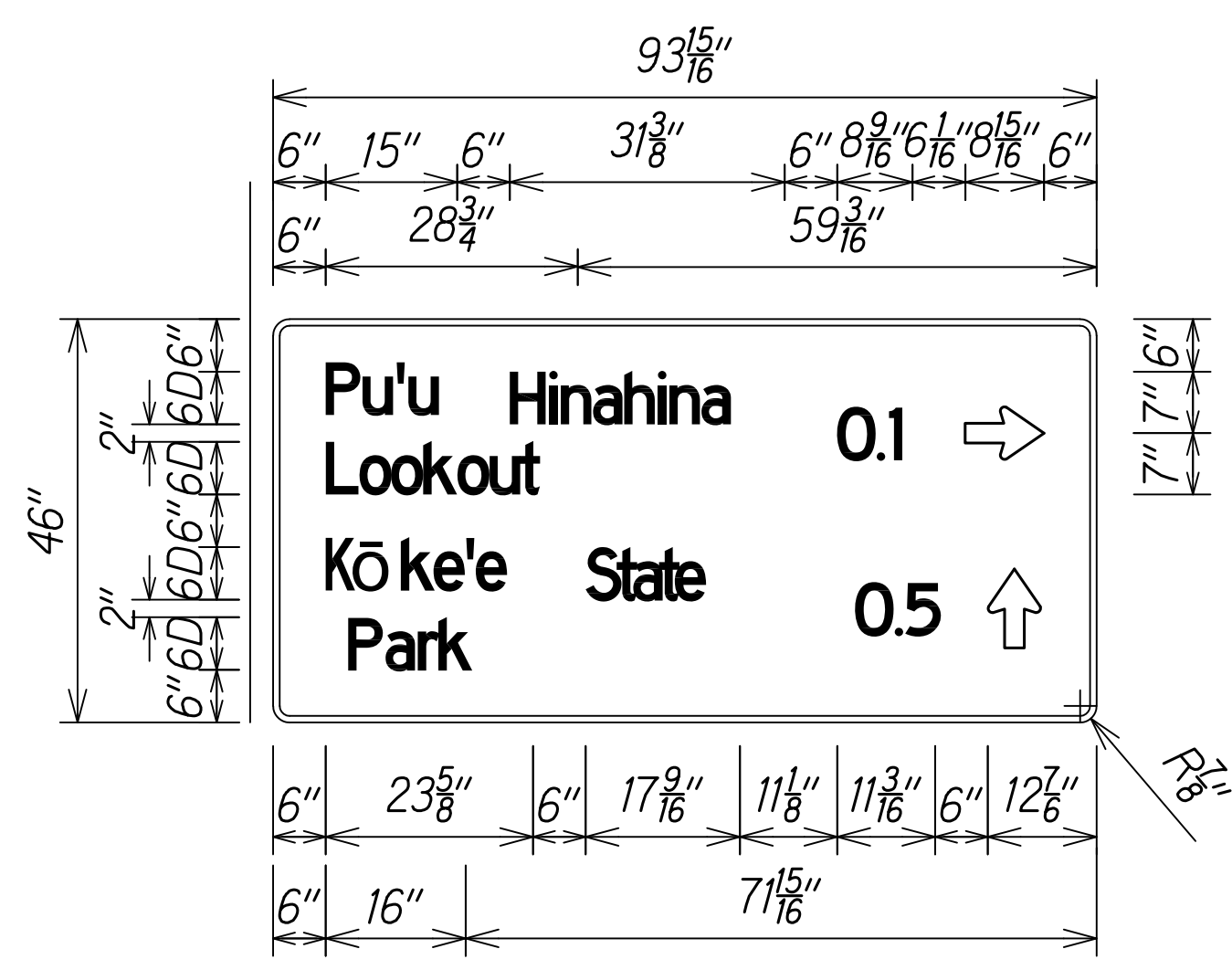
Legend: Blue (Retroreflective)
Background: White (Retroreflective)

Custom
Not to Scale



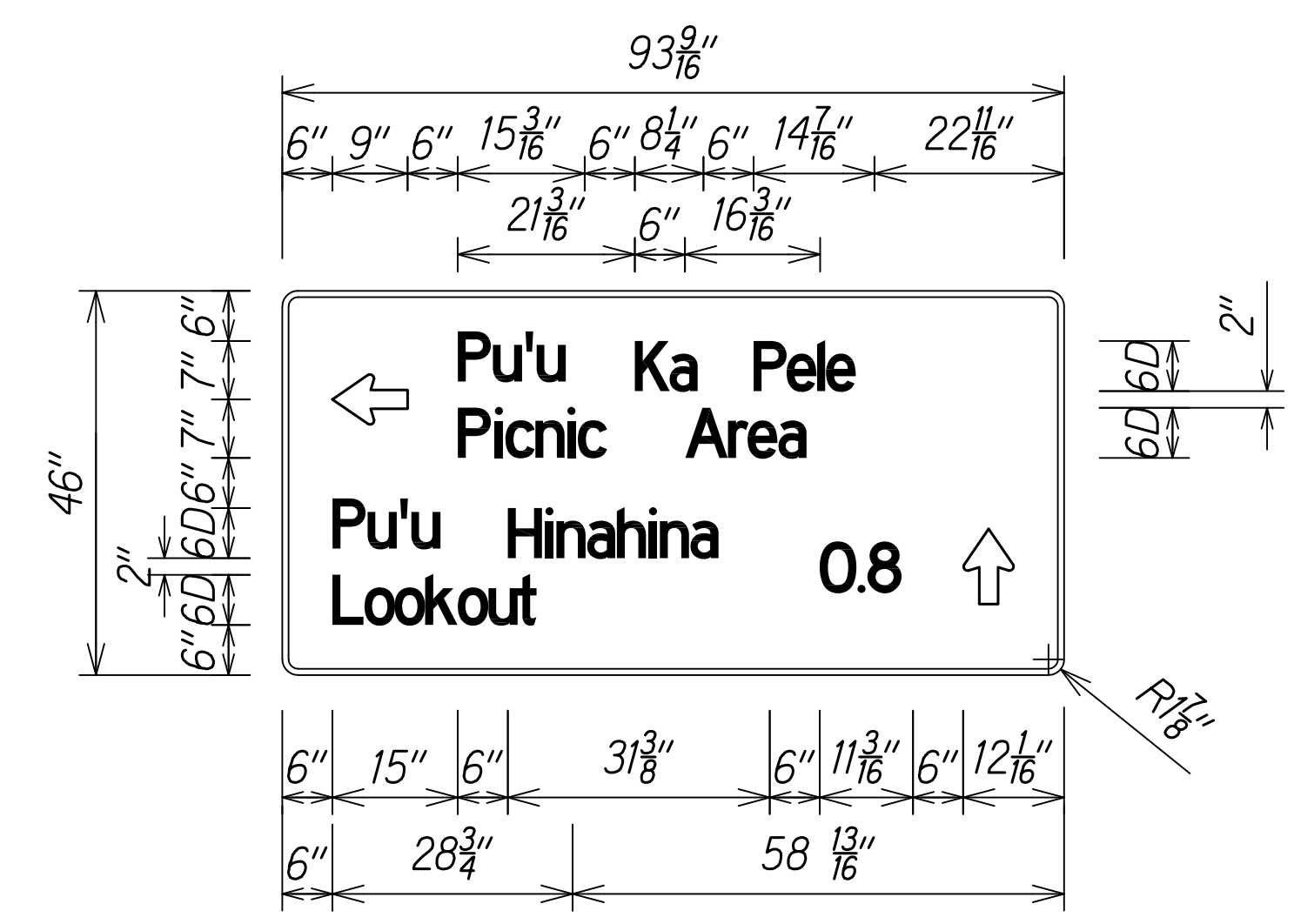
Legend: Blue (Retroreflective)
Background: White (Retroreflective)

Custom
Not to Scale



Legend: White
Background: Brown (Retroreflective)

Custom
Not to Scale



Legend: White
Background: Brown (Retroreflective)

Custom
Not to Scale

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

NOTES

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

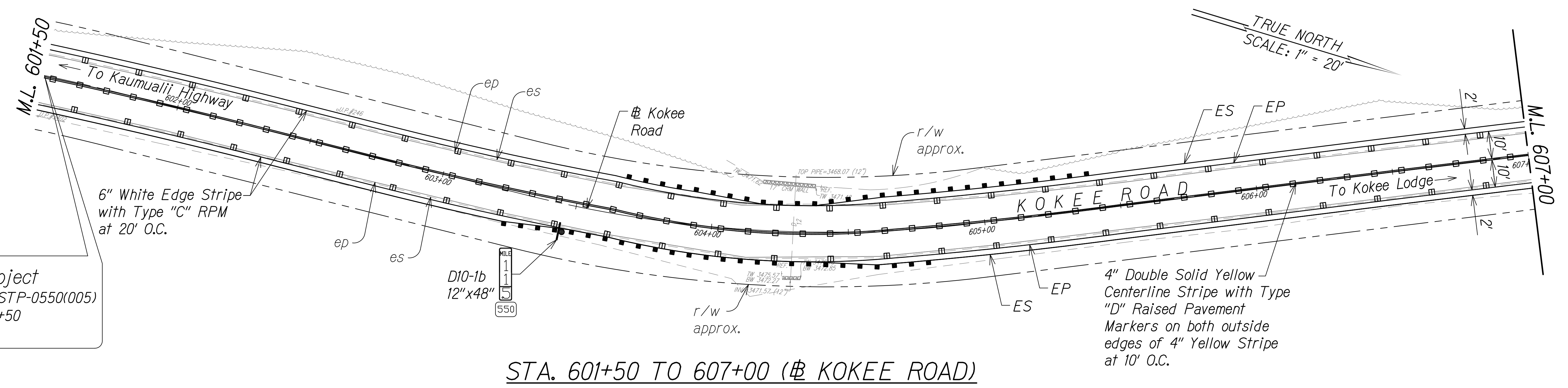


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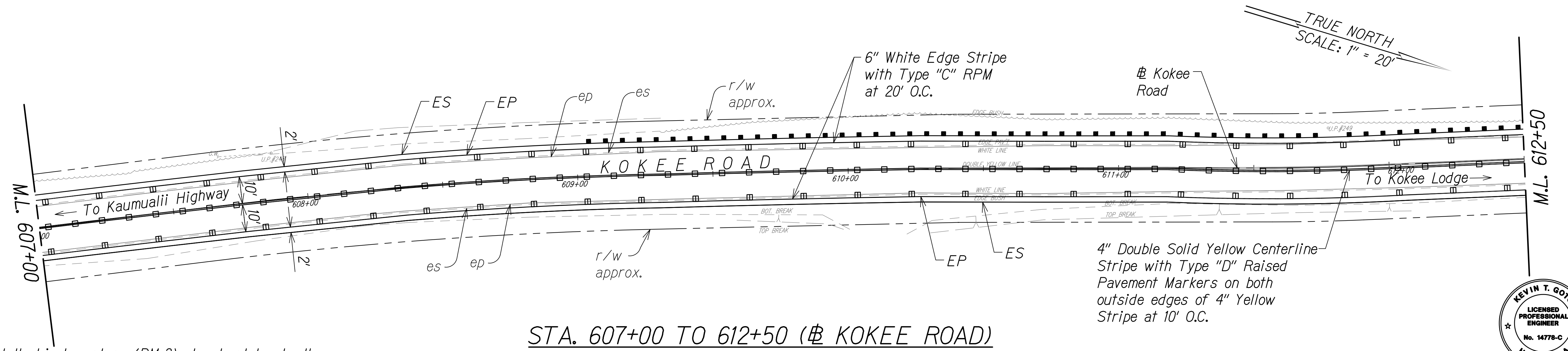
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TRAFFIC SIGN
DETAILS
WAIMEA CANYON DRIVE /
KOEKE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022
SHEET No. 2 OF 2 SHEETS

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



Begin Project
 Project No. STP-0550(005)
 B.L. Sta. 601+50
 Kokee Road

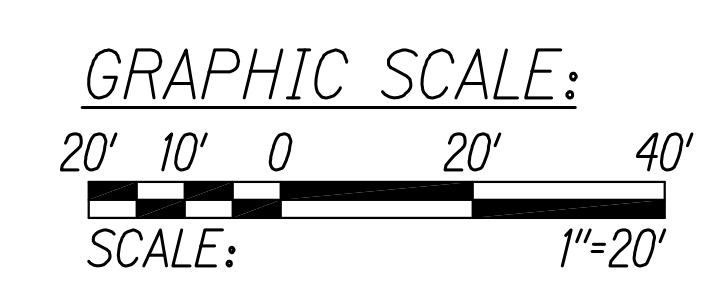
STA. 601+50 TO 607+00 (# KOKEE ROAD)



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

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM-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).



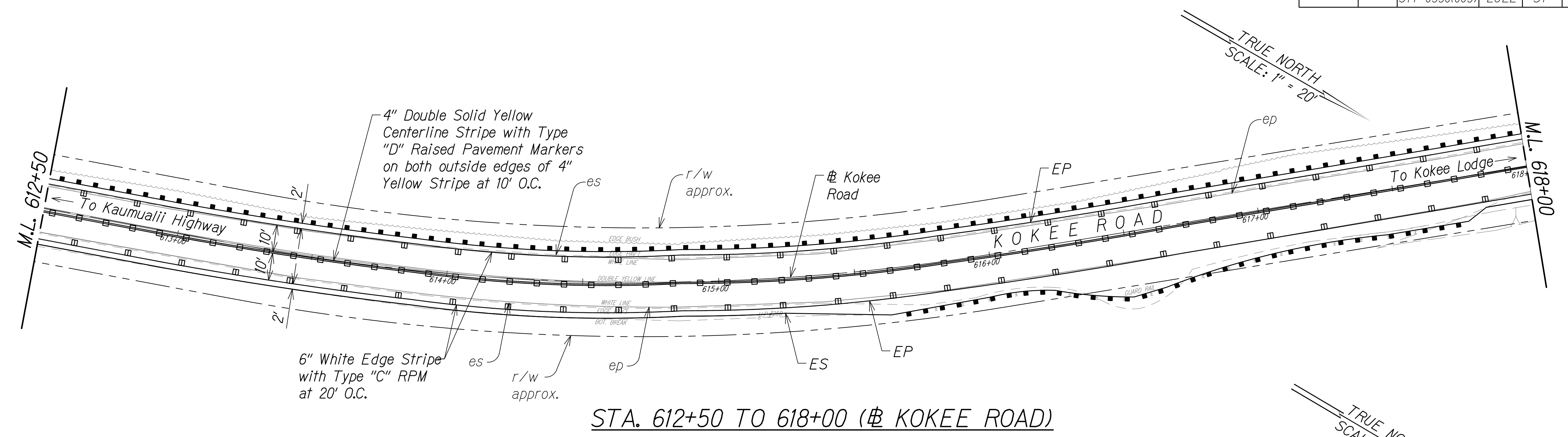
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	



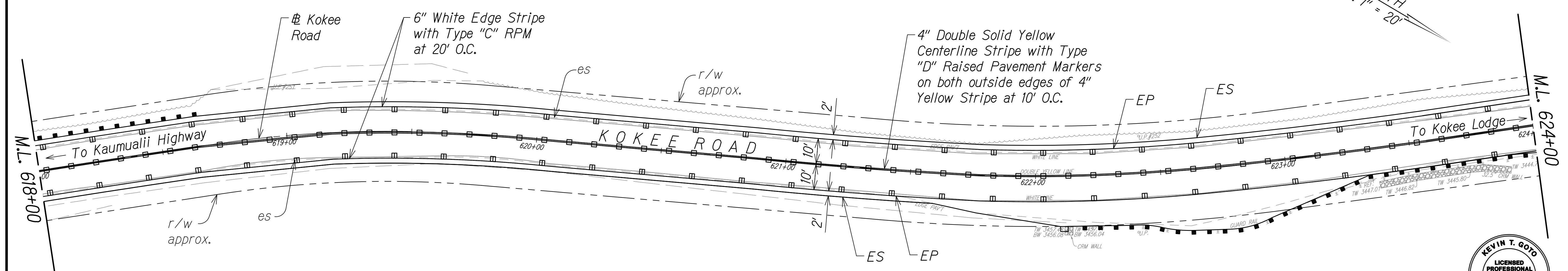
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 WILSON OKAMOTO CORPORATION
 APRIL 30, 2024
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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLAN
 WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 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. 1 OF 13 SHEETS

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



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



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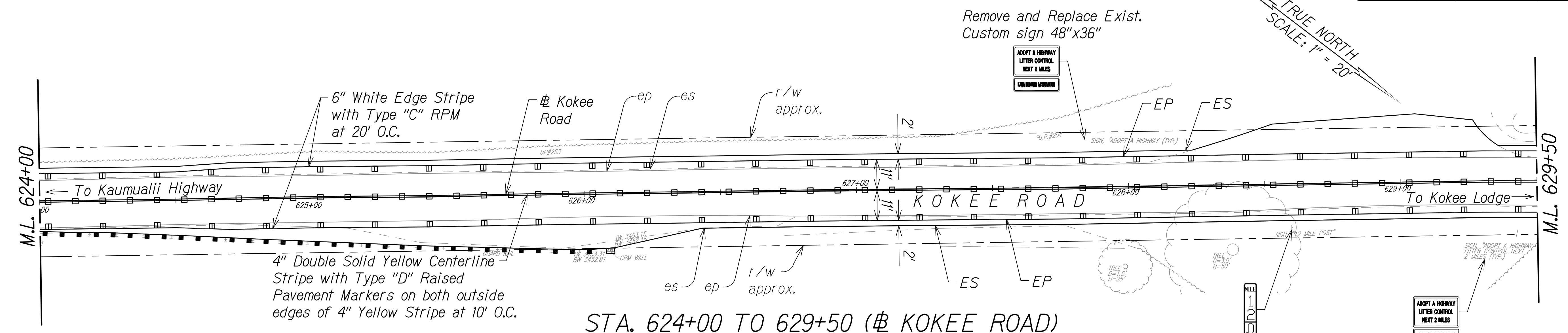
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

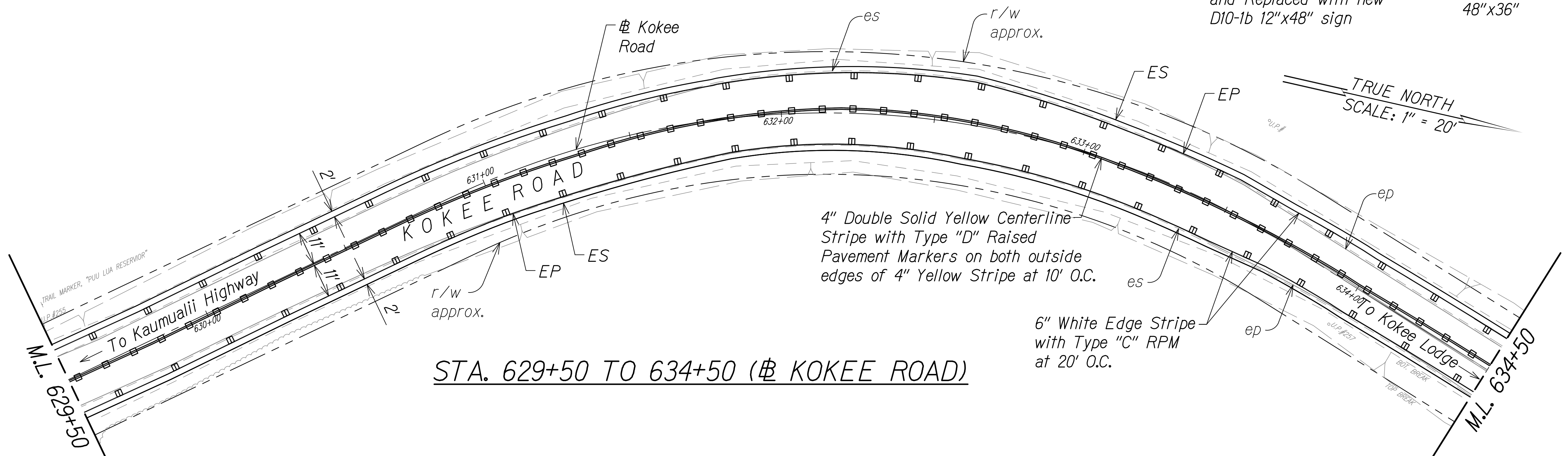
WAIMEA CANYON DRIVE /
Kokee Road Improvements, Phase 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 2 OF 13 SHEETS

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



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



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APRIL 30, 2024
LIC. EXP. DATE

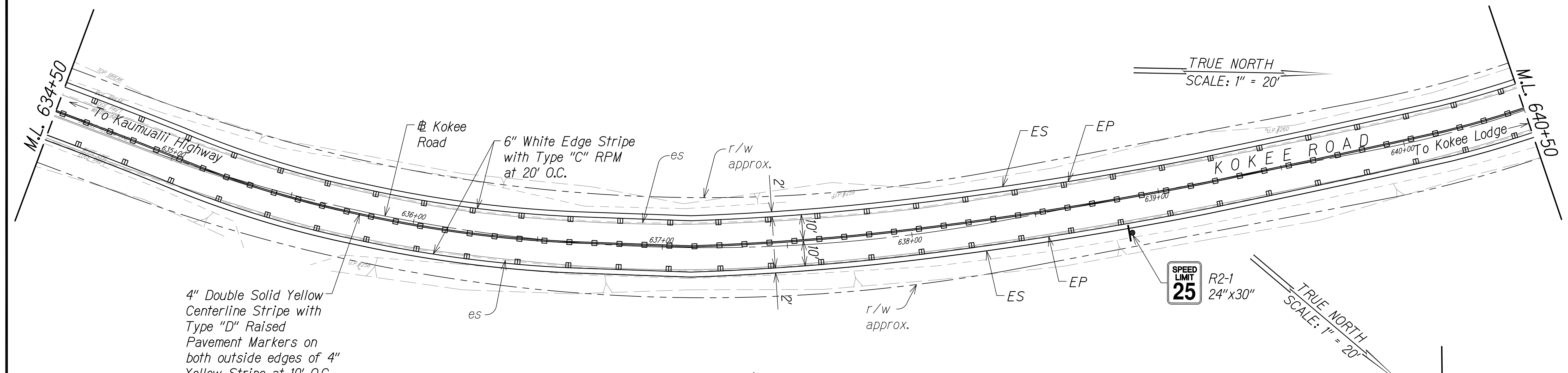
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

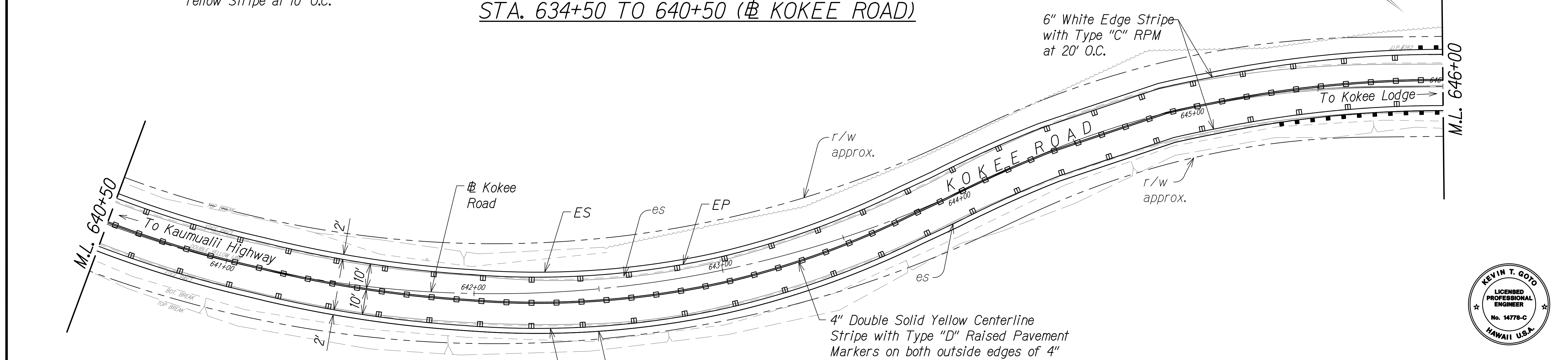
WAIMEA CANYON DRIVE /
Kokee Road Improvements, Phase 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 3 OF 13 SHEETS

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



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

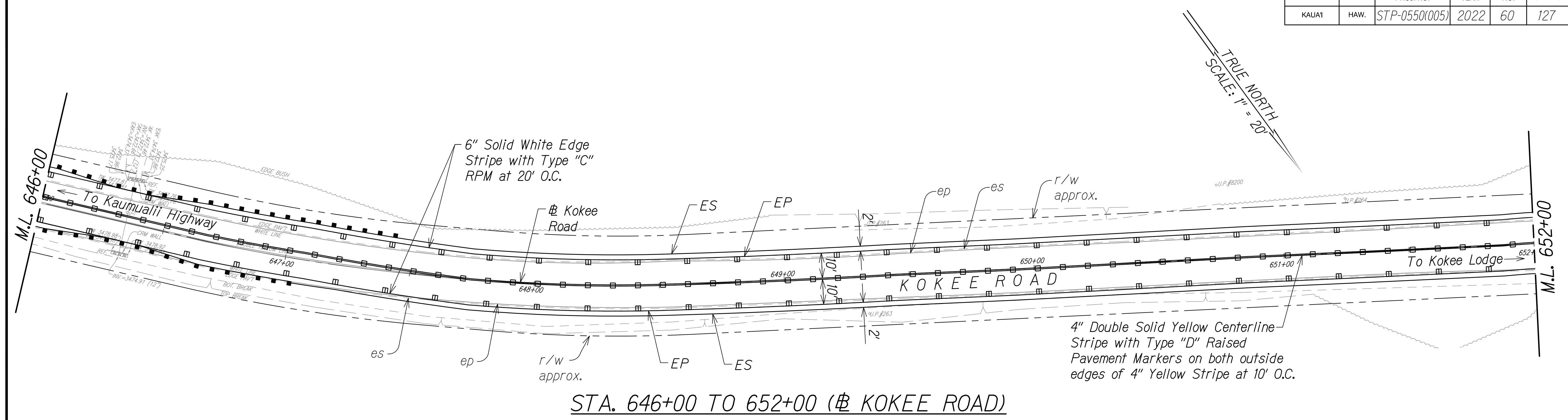


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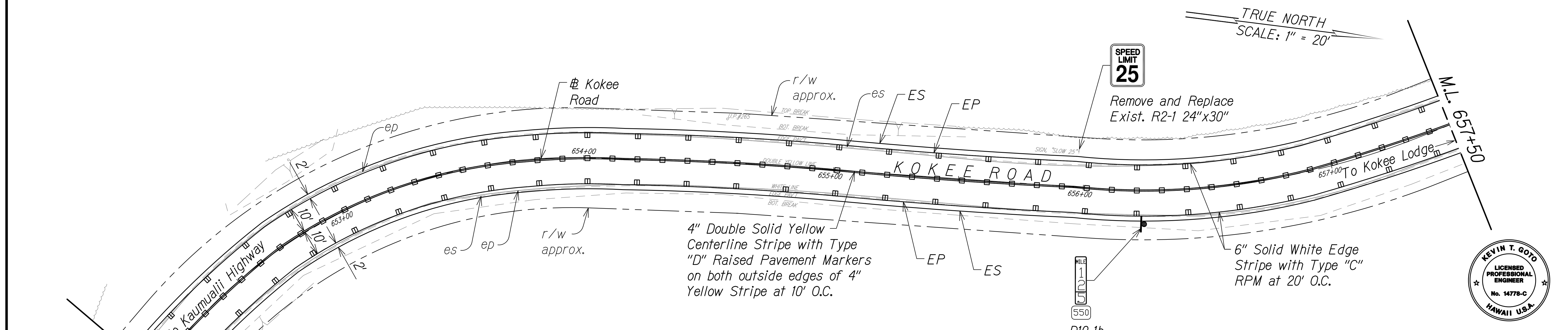
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

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

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

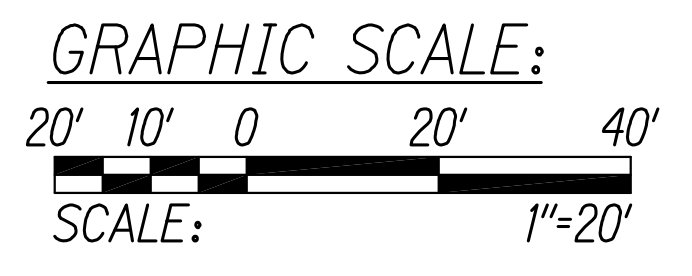


STA. 646+00 TO 652+00 (Kokee Road)



STA. 652+00 TO 657+50 (Kokee Road)

- Notes**
1. Install object markers (RM-3) at culvert headwall crossings.
 2. Install object markers (OM-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).



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
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NOTE BOOK	
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APRIL 30, 2024
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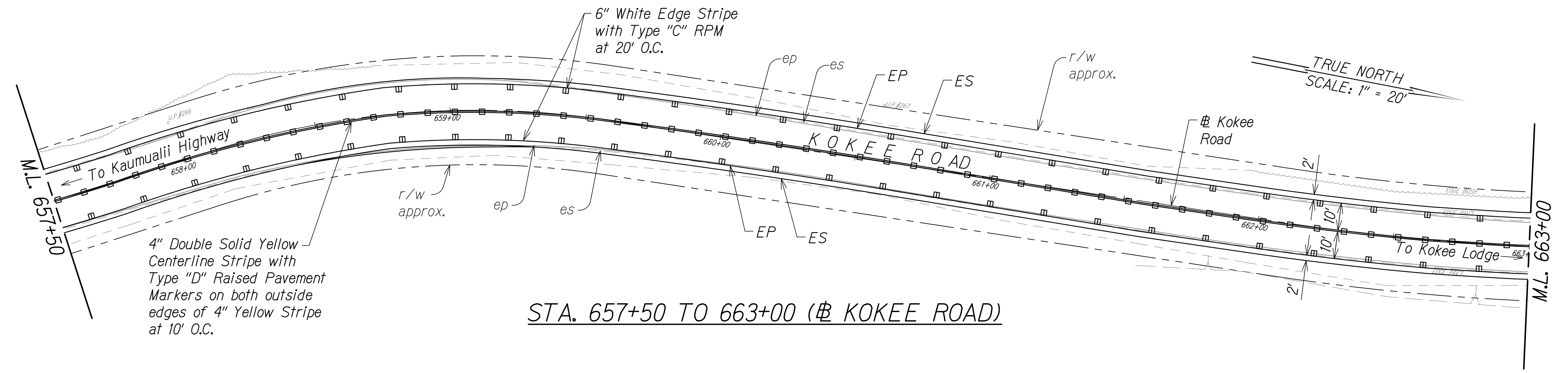
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & CONTROL PLAN

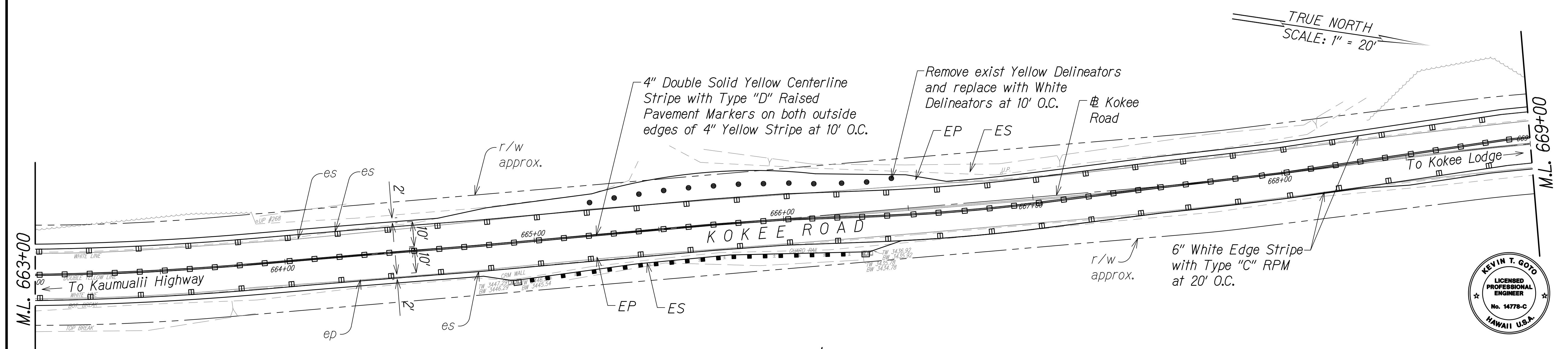
WAIMEA CANYON DRIVE /
Kokee Road Improvements, Phase 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 5 OF 13 SHEETS

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



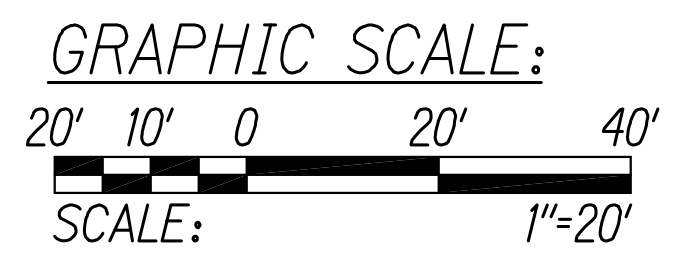
STA. 657+50 TO 663+00 (Kokee Road)



STA. 663+00 TO 669+00 (Kokee Road)

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM-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).



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

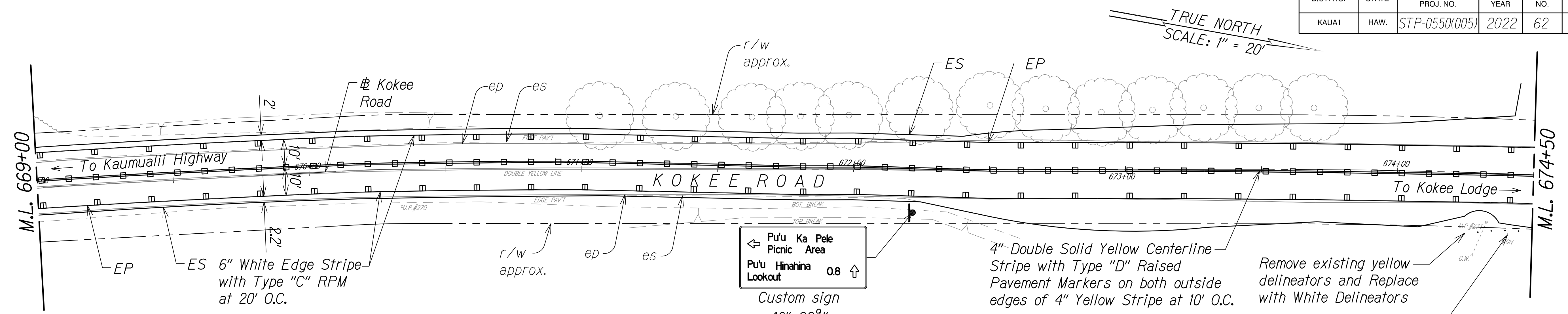


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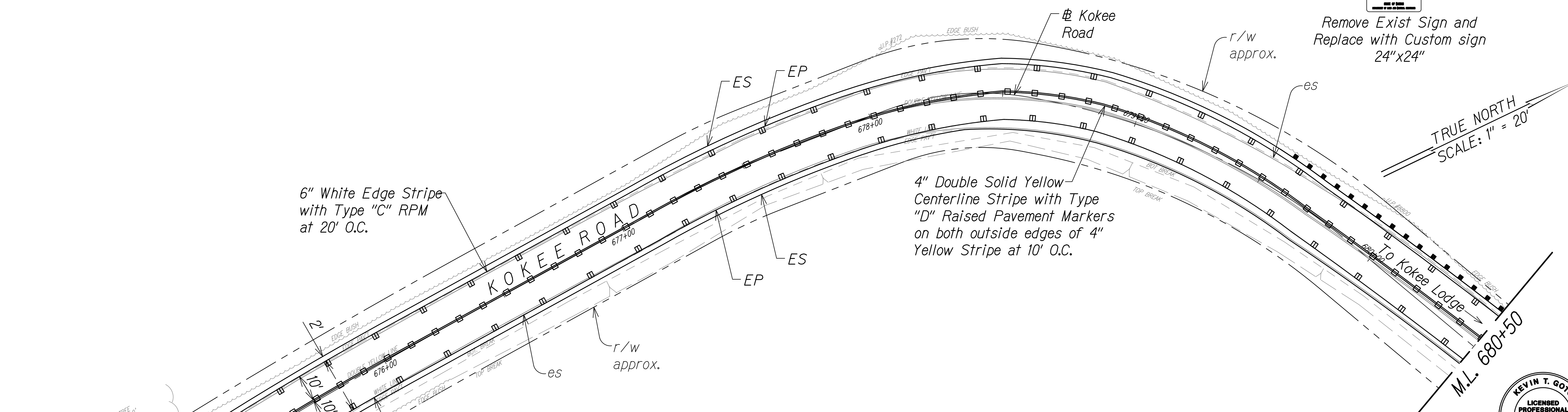
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

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

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



STA. 669+00 TO 674+50 (Kokee Road)



STA. 674+50 TO 680+50 (Kokee Road)



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

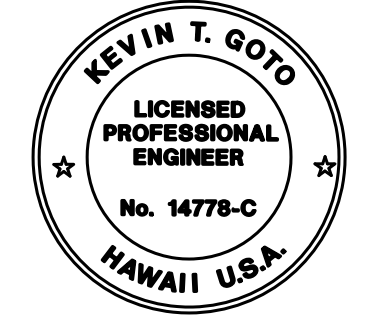
- Notes**
1. Install object markers (RM-3) at culvert headwall crossings.
 2. Install object markers (OM-2H) on all utility poles within ROW.
 3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
 4. Install White Reflector Markers (RM-3) behind guardrails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

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

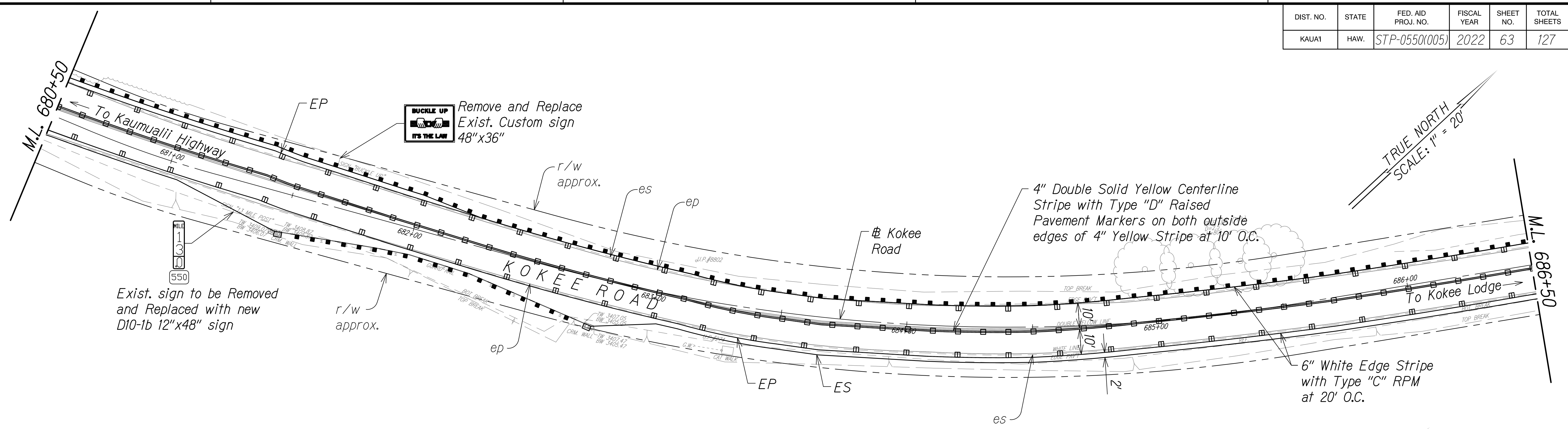
SHEET No. 7 OF 13 SHEETS



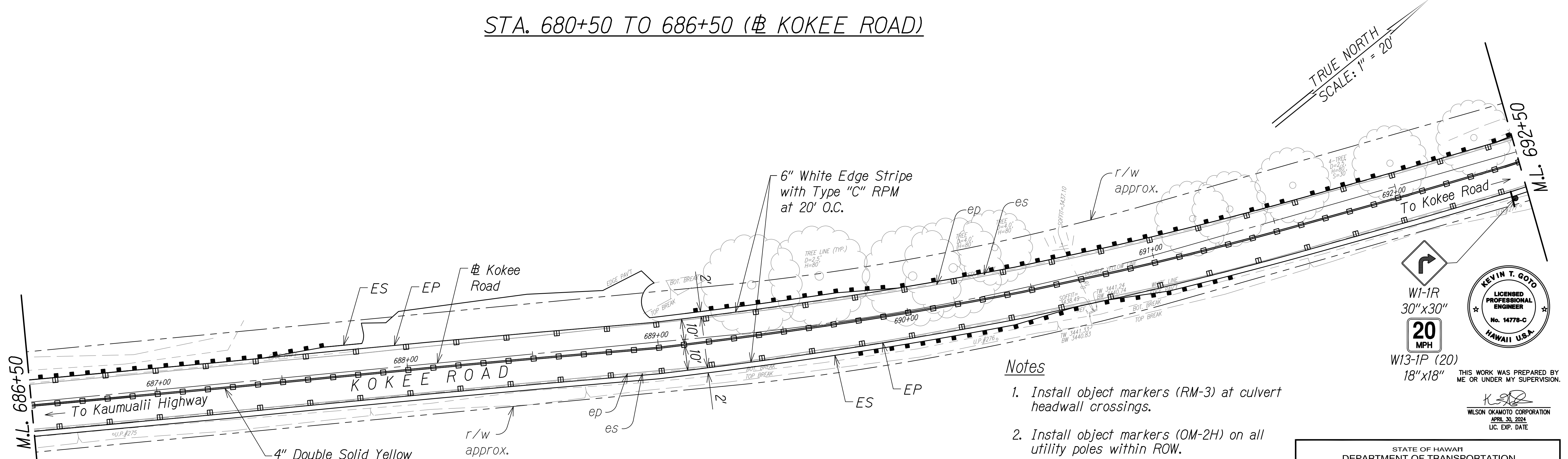
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APRIL 30, 2024
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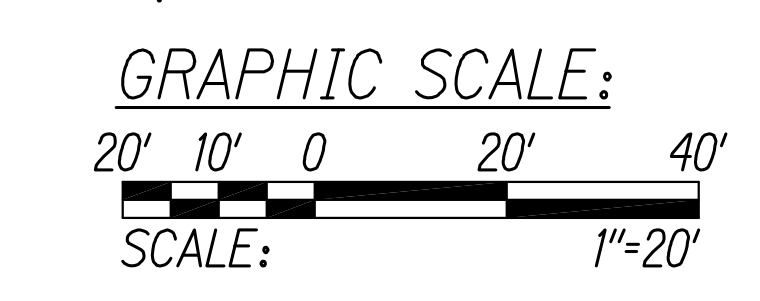
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	63	127



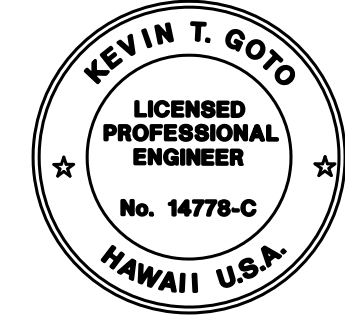


STA. 680+50 TO 686+50 (# KOKEE ROAD)



STA. 686+50 TO 692+50 (# KOKEE ROAD)



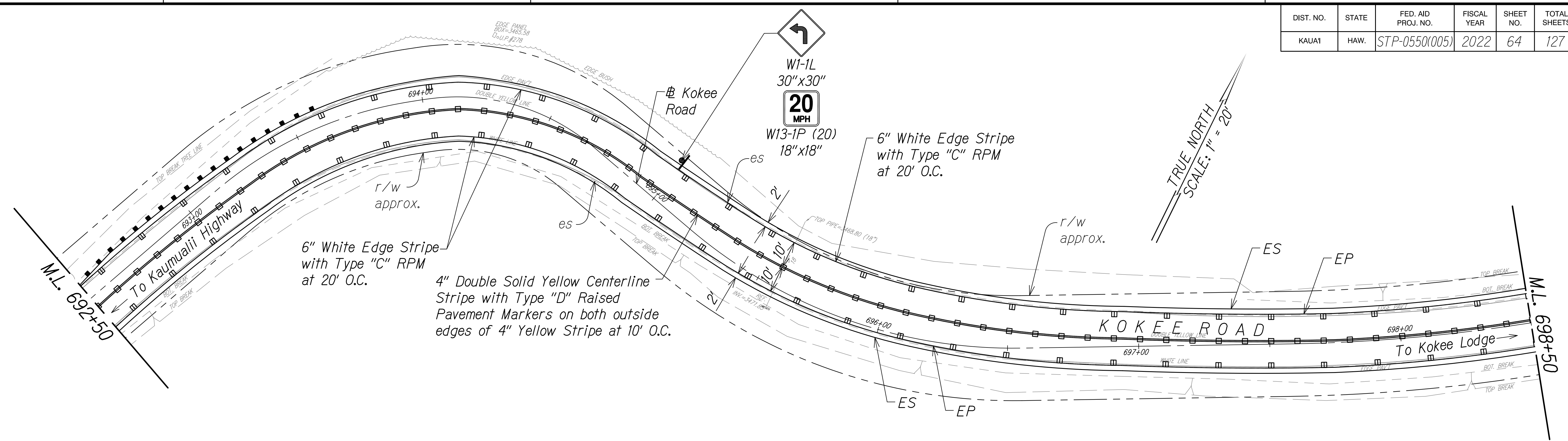
- Notes**
1. Install object markers (RM-3) at culvert headwall crossings.
 2. Install object markers (OM-2H) on all utility poles within ROW.
 3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
 4. Install White Reflector Markers (RM-3) behind guardrails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


 W1-1R
 30"x30"

 W13-1P (20)
 18"x18"
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 WILSON OKAMOTO CORPORATION
 APRIL 30, 2024
 LIC. EXP. DATE

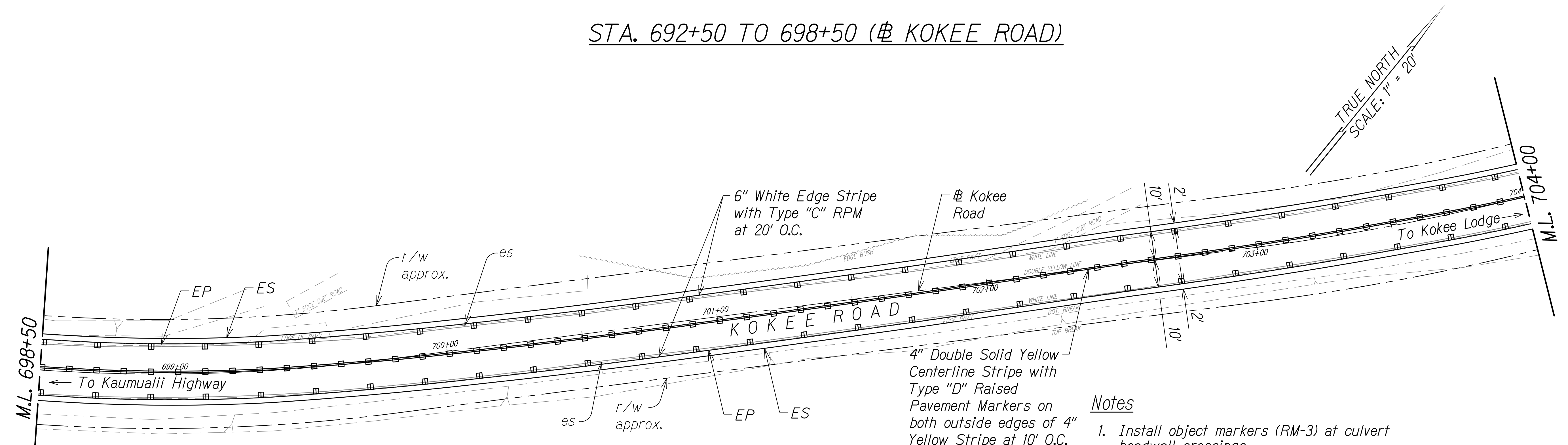
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLAN
 WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 20' Date: August 2022
 SHEET No. 8 OF 13 SHEETS

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

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



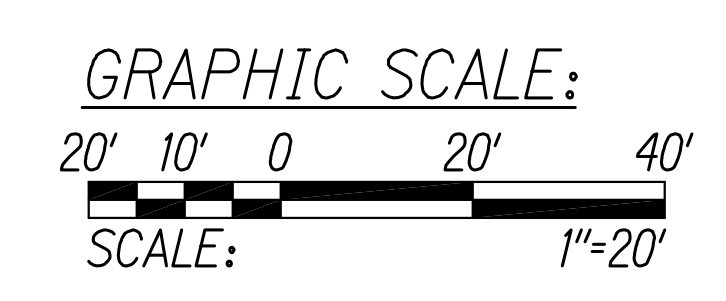
STA. 692+50 TO 698+50 (Kokee Road)



STA. 698+50 TO 704+00 (Kokee Road)

- Notes**
1. Install object markers (RM-3) at culvert headwall crossings.
 2. Install object markers (OM-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).

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



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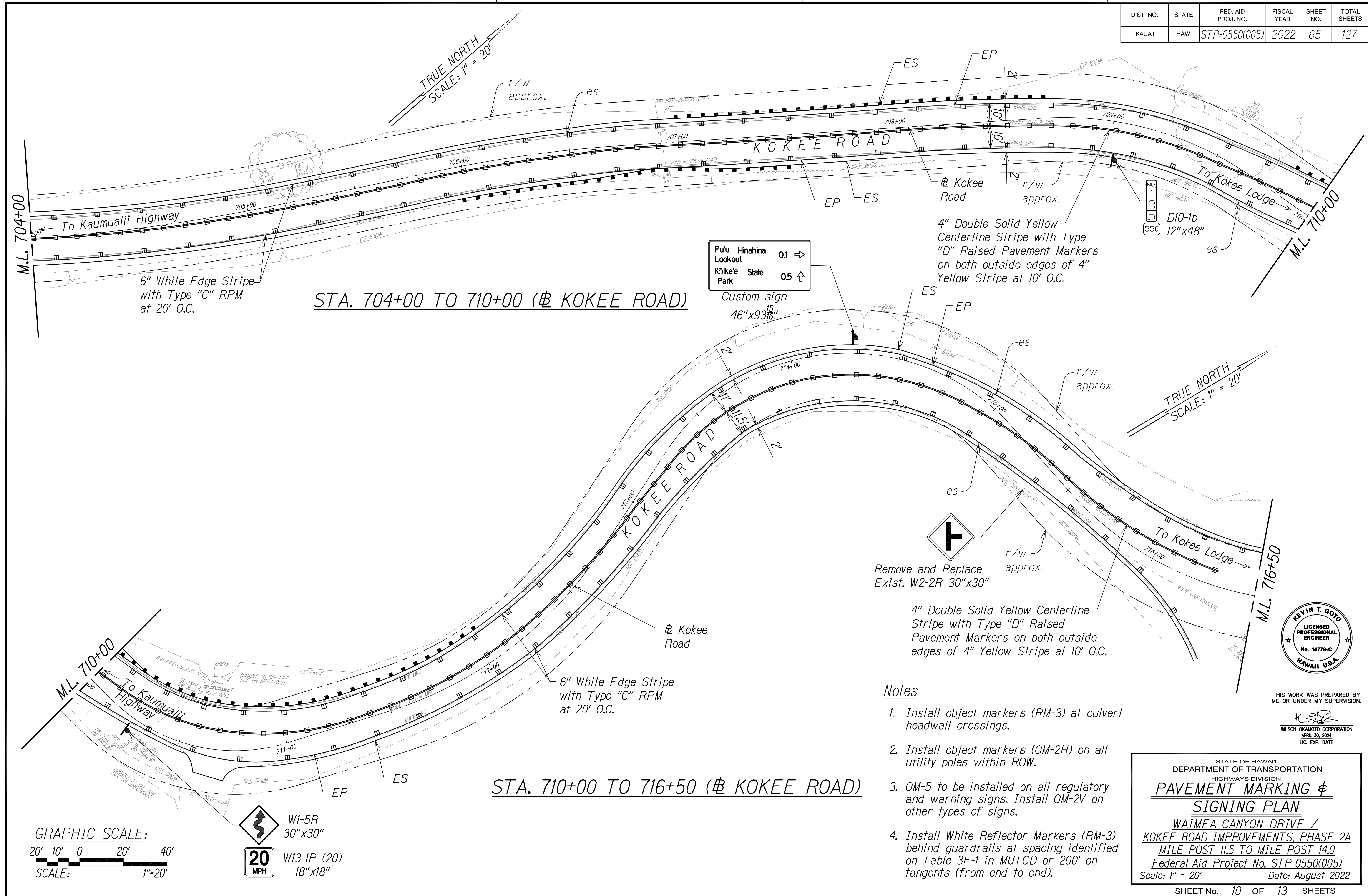
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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



STA. 704+00 TO 710+00 (Kokee Road)

STA. 710+00 TO 716+50 (Kokee Road)

Pu'u Hinahina Lookout 0.1
 Koke'e State Park 0.5

Custom sign
 46" x 93 1/8"

4" Double Solid Yellow Centerline Stripe with Type "D" Raised Pavement Markers on both outside edges of 4" Yellow Stripe at 10' O.C.

Remove and Replace Exist. W2-2R 30"x30"

4" Double Solid Yellow Centerline Stripe with Type "D" Raised Pavement Markers on both outside edges of 4" Yellow Stripe at 10' O.C.

6" White Edge Stripe with Type "C" RPM at 20' O.C.

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM-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).

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



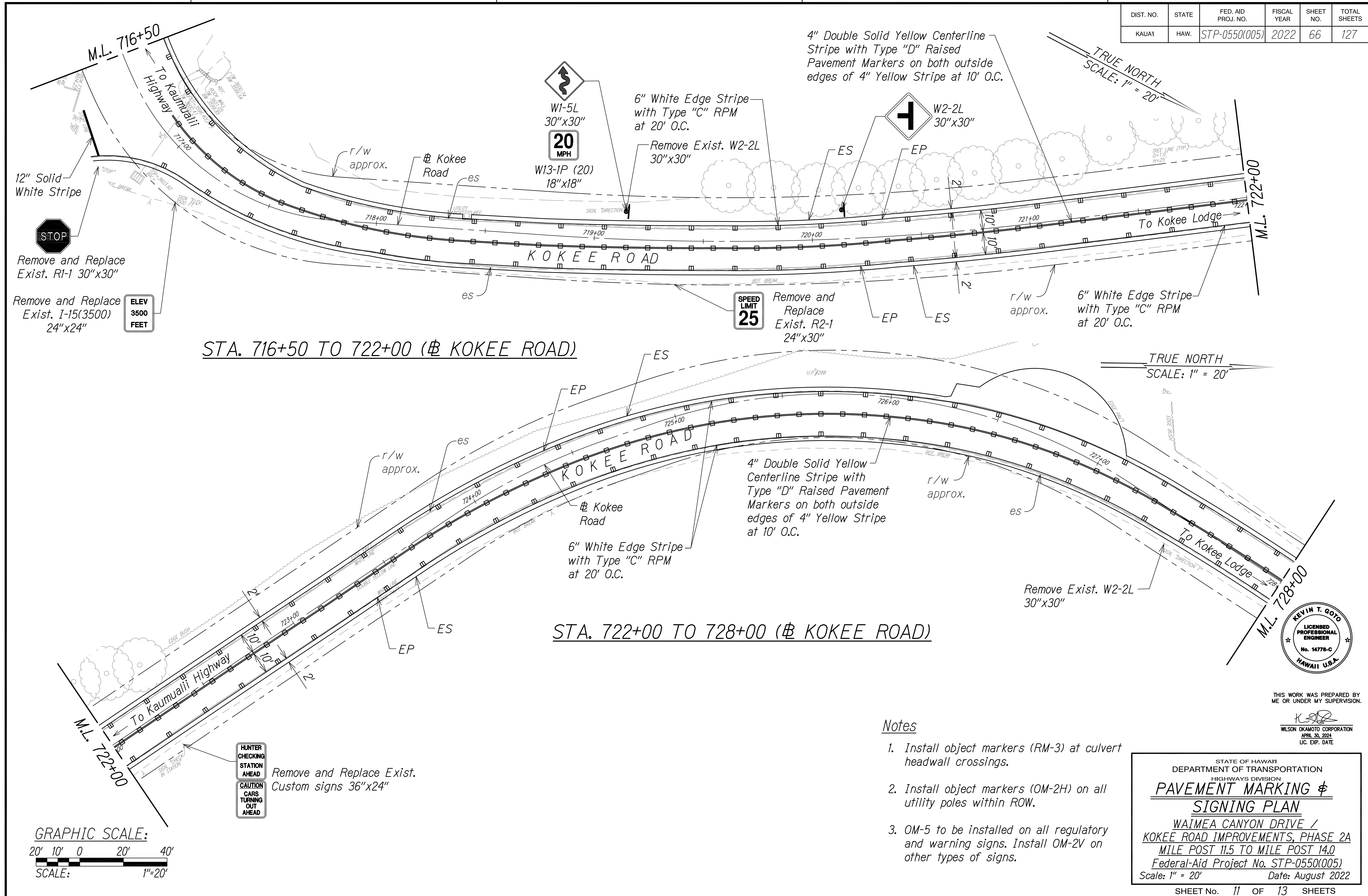
W1-5R 30"x30"
 W13-1P (20) 18"x18"
 20 MPH



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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. 10 OF 13 SHEETS

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



STA. 716+50 TO 722+00 (Kokee Road)

STA. 722+00 TO 728+00 (Kokee Road)

Remove and Replace
Exist. R1-1 30"x30"

Remove and Replace
Exist. I-15(3500)
24"x24"

ELEV
3500
FEET

SPEED
LIMIT
25



HUNTER
CHECKING
STATION
AHEAD

CAUTION
CARS
TURNING
OUT
AHEAD

Remove and Replace Exist.
Custom signs 36"x24"

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM-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.

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

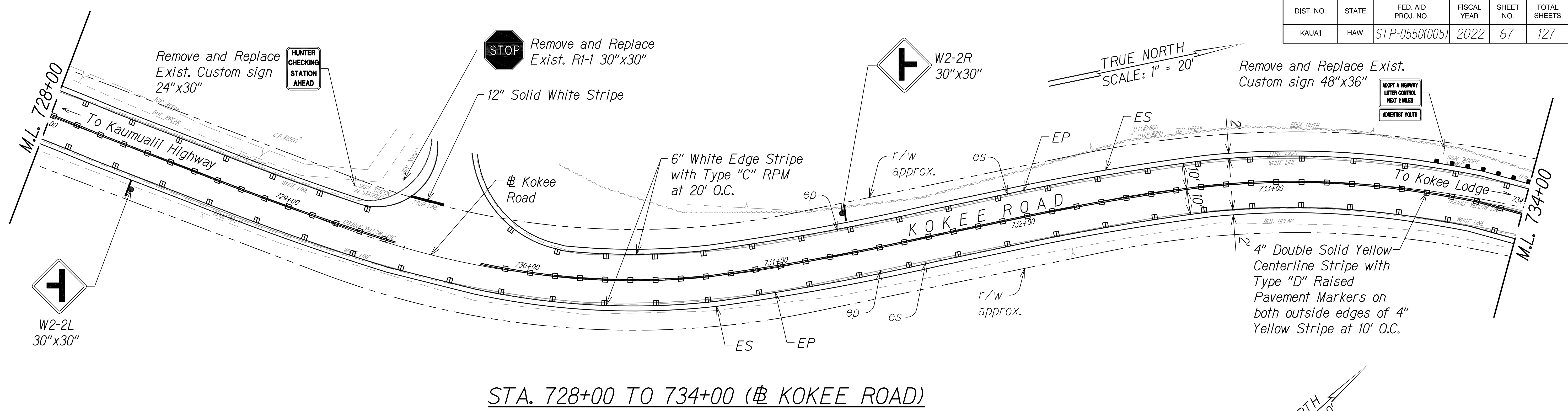


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ME OR UNDER MY SUPERVISION.

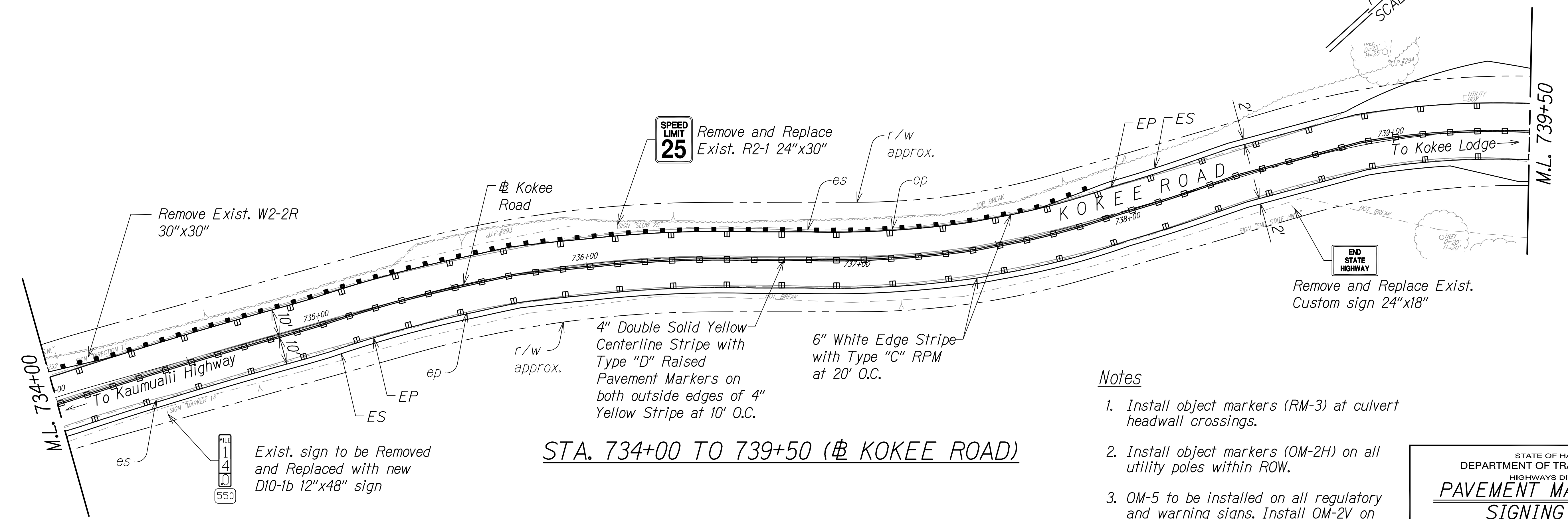
WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

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

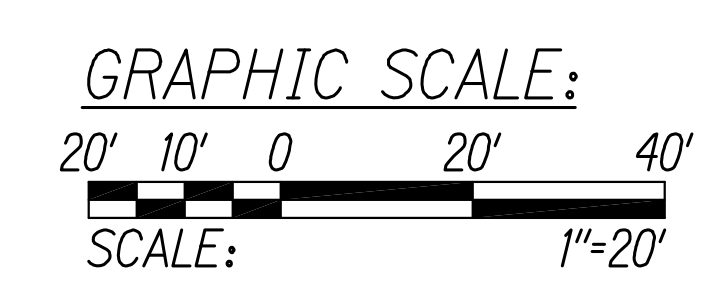
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	67	127



STA. 728+00 TO 734+00 (# KOKEE ROAD)



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



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

Notes

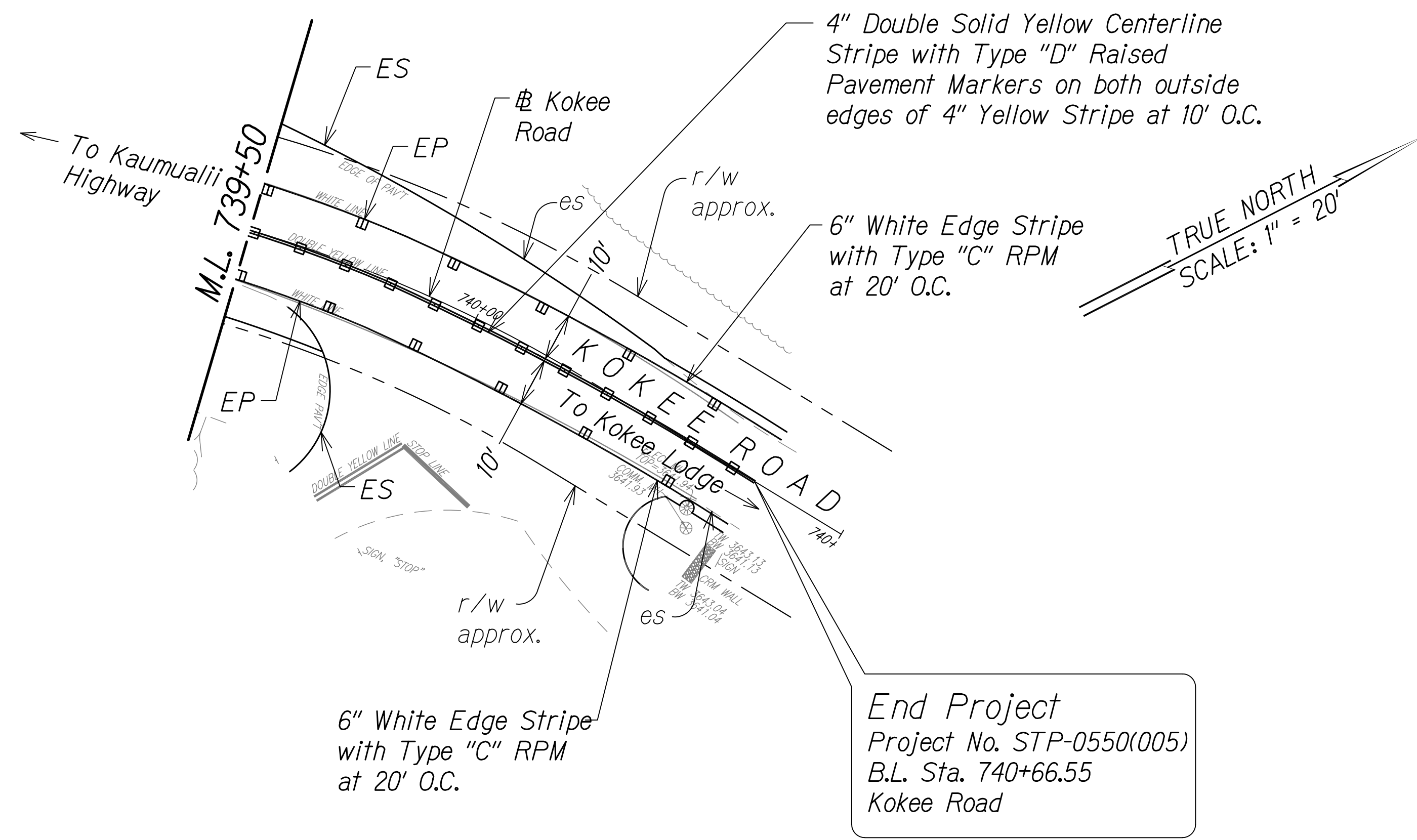
1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM-2H) on all utility poles within ROW.
3. OM-5 to be installed on all regulatory and warning signs. Install OM-2V on other types of signs.
4. Install White Reflector Markers (RM-3) behind guardrails at spacing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

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



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 APRIL 30, 2024
 LIC. EXP. DATE

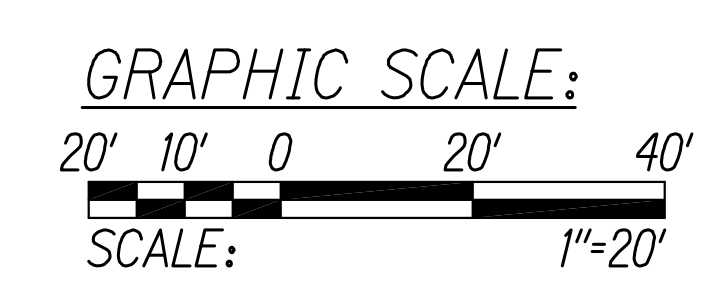
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	68	127



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

Notes

1. Install object markers (RM-3) at culvert headwall crossings.
2. Install object markers (OM-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.



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



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Kevin T. Goto

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

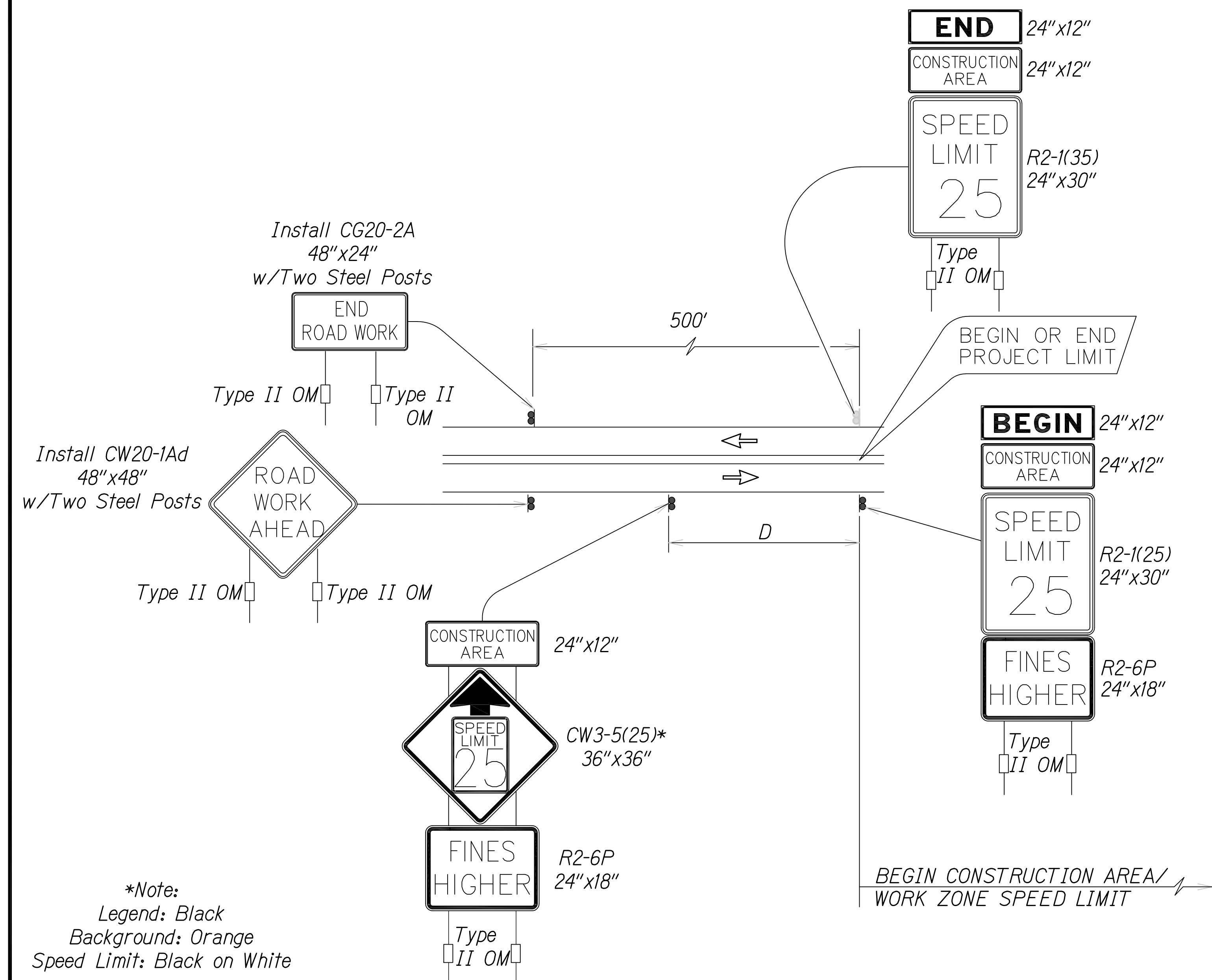
PAVEMENT MARKING & SIGNING PLAN

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

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

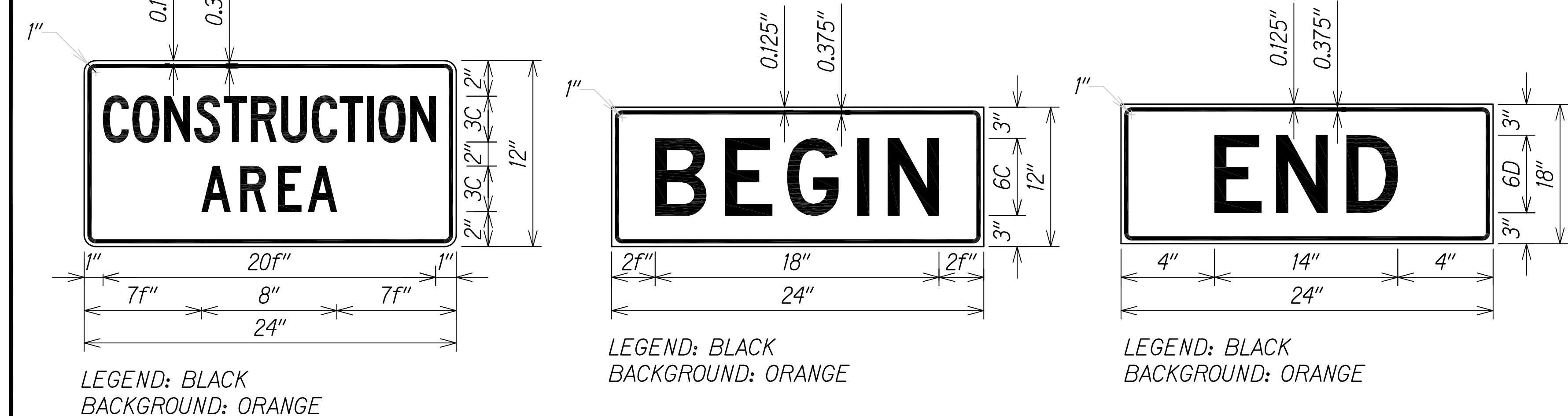
WORK ZONE NOTES:

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



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

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



LEGEND: BLACK
BACKGROUND: ORANGE

LEGEND: BLACK
BACKGROUND: ORANGE

LEGEND: BLACK
BACKGROUND: ORANGE

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

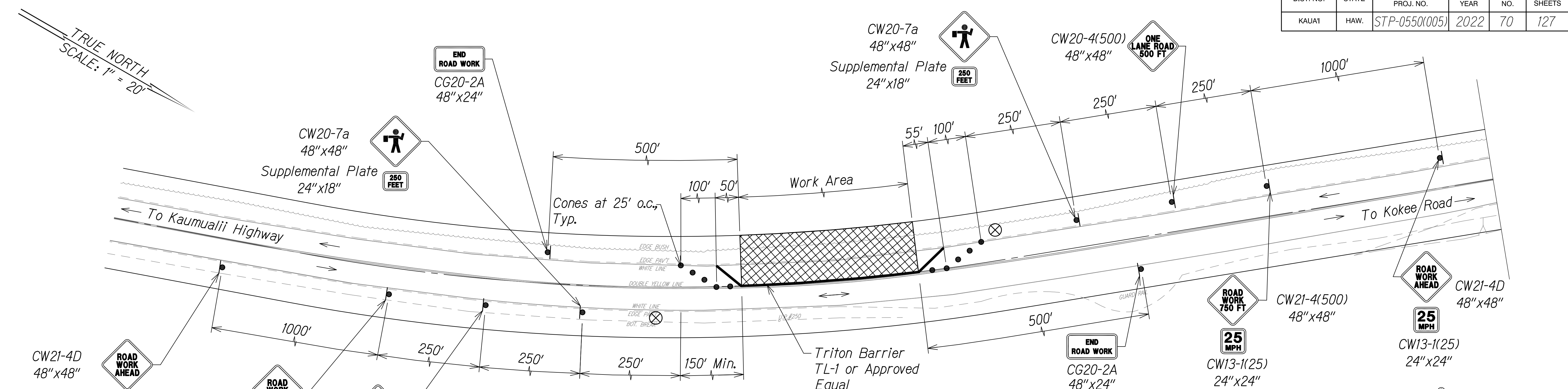


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WILSON OKAMOTO CORPORATION
APRIL 30, 2024
LIC. EXP. DATE

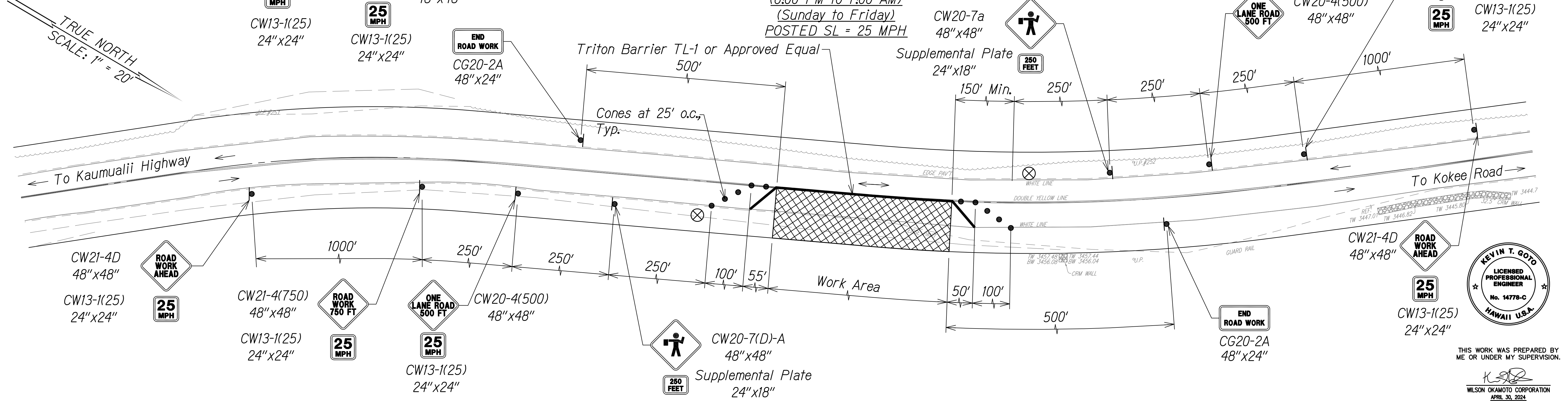
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WORK ZONE SIGNING PLAN,
NOTES AND DETAILS
WAIMEA CANYON DRIVE /
KOEKE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

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

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



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

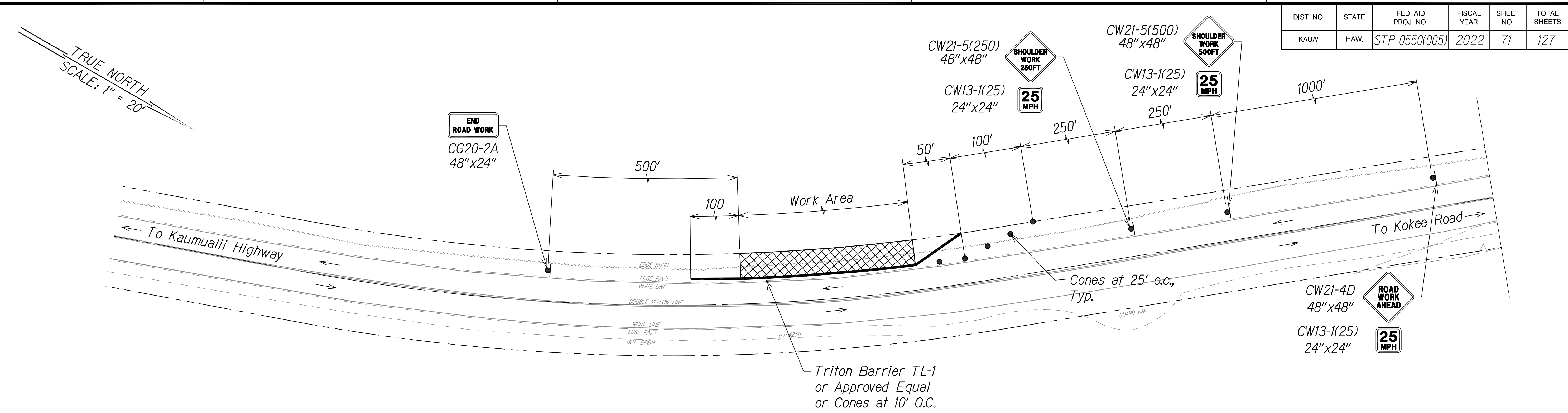
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN 1

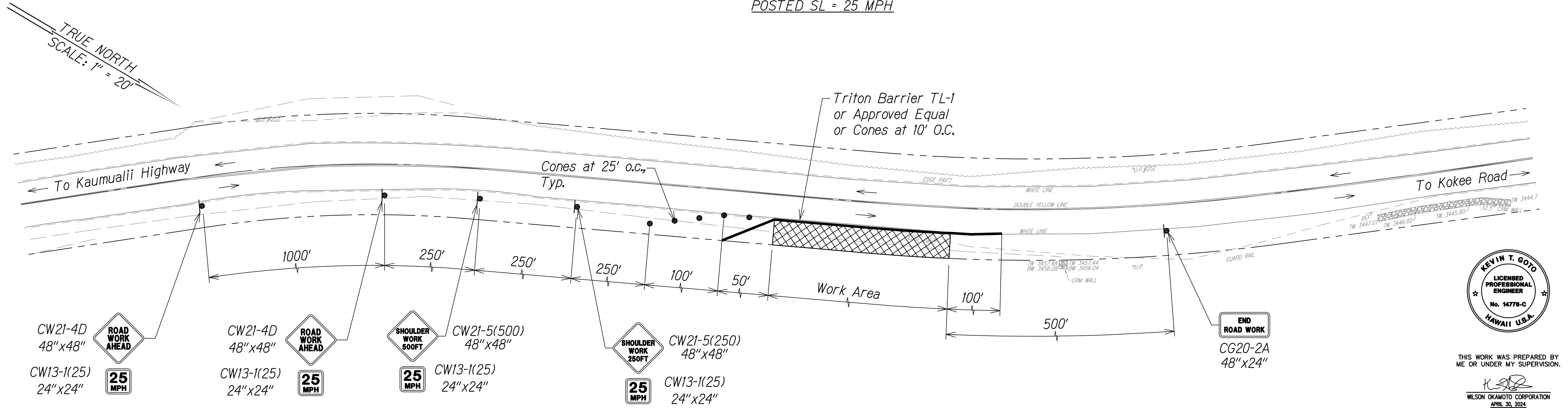
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 1 OF 2 SHEETS

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

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



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN 2

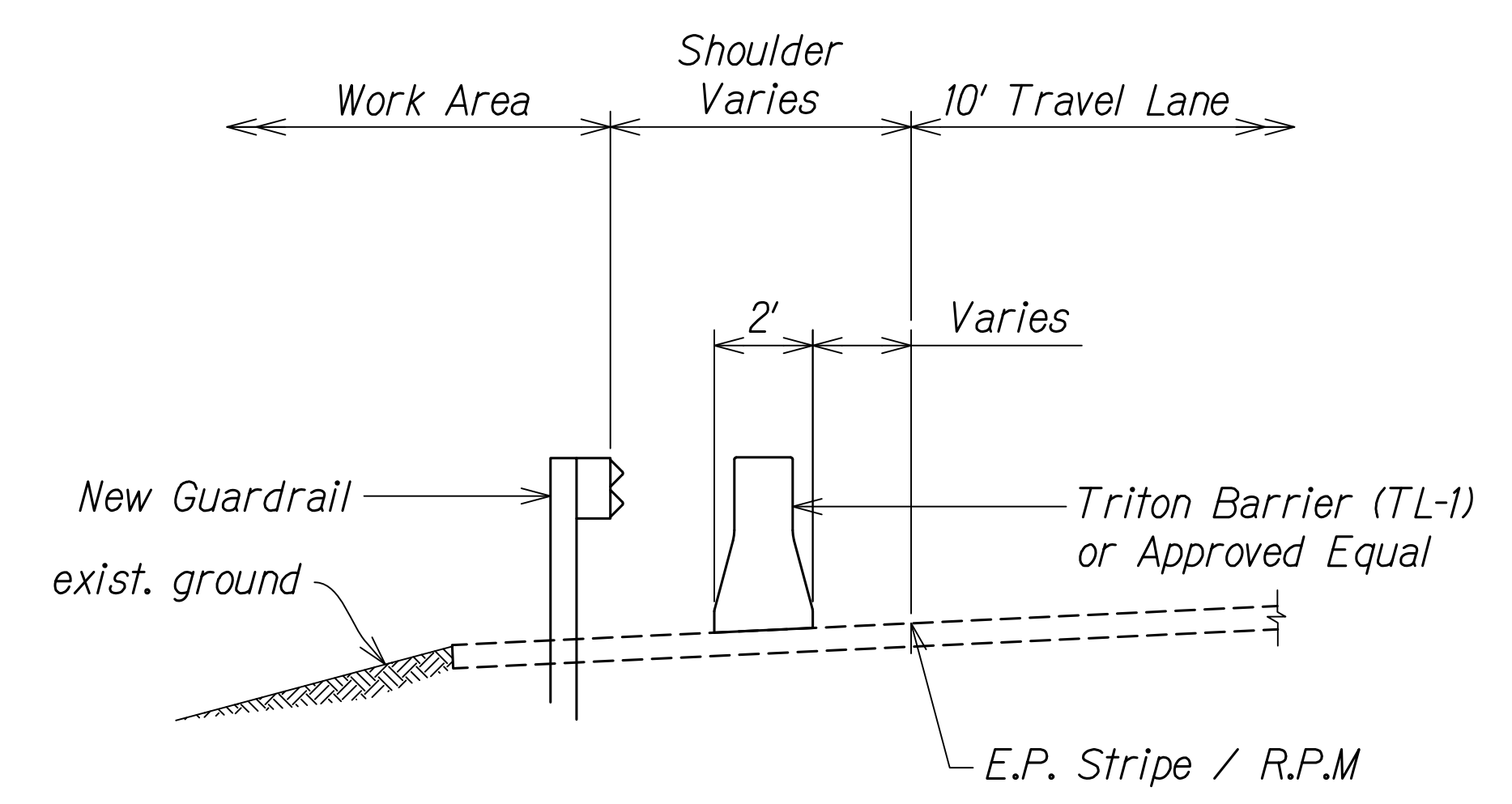
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022

SHEET No. 2 OF 2 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	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	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	No.



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APRIL 30, 2024
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TRITON BARRIER
DETAILS
*WAIMEA CANYON DRIVE /
KOEKE 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*

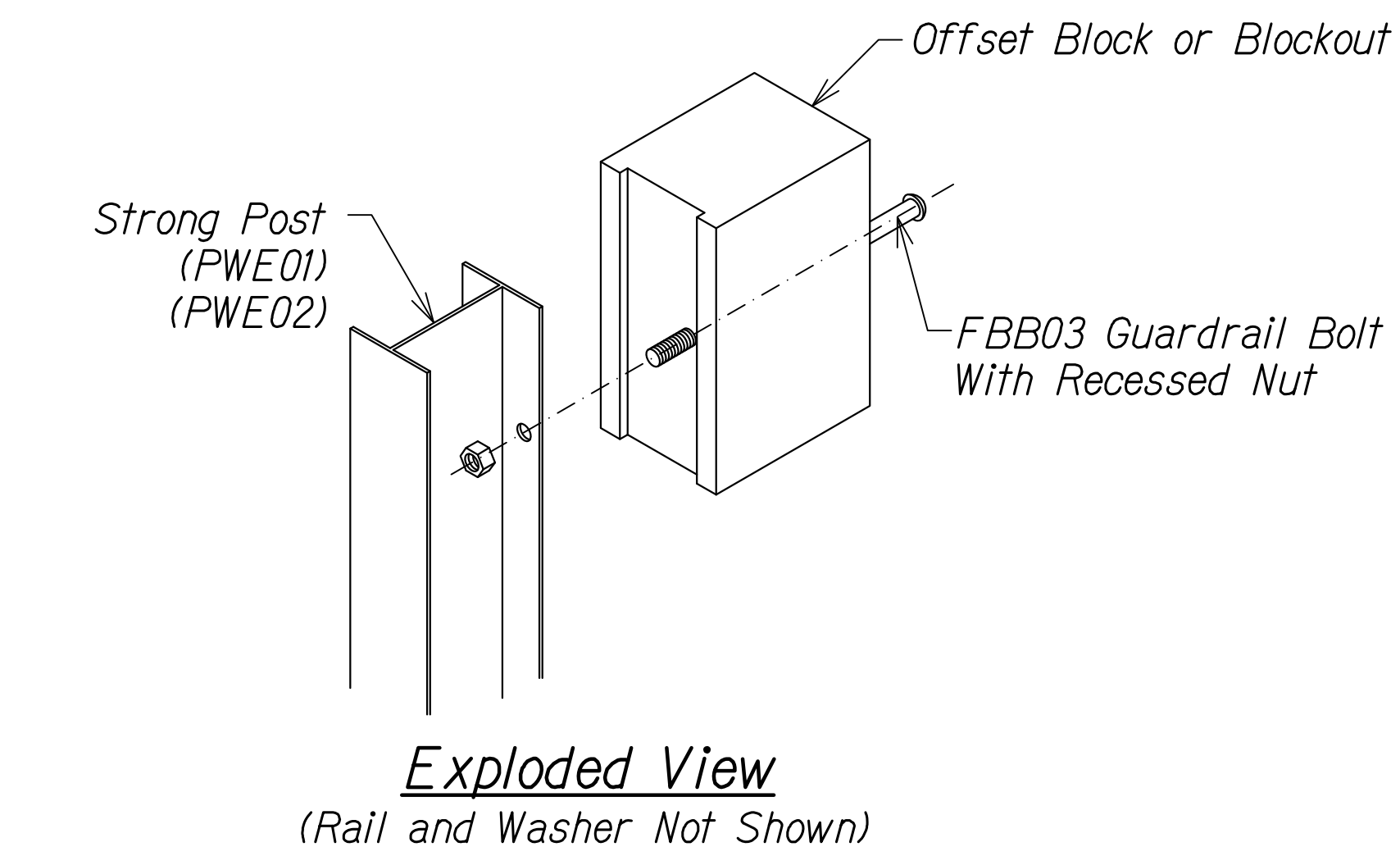
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	73	127

GENERAL NOTES

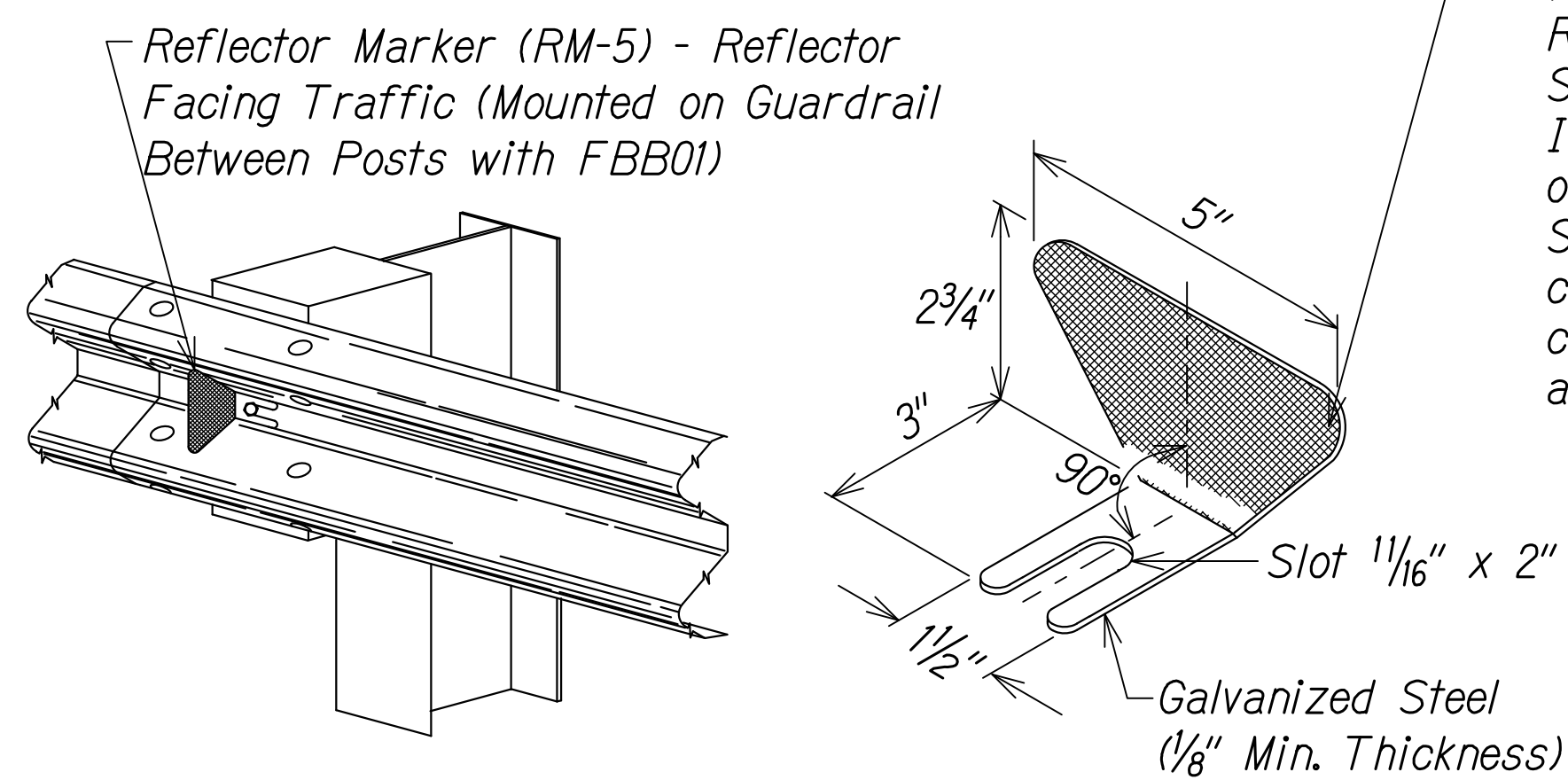
- All hardware, posts and fasteners shall be hot-dip zinc coated galvanized after fabrication. No punching, drilling or cutting will be permitted after galvanizing.
- Where conditions require, special post lengths in increments of 6 inches may be specified.
- All fasteners, posts, and rail elements (i.e. 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 fasteners, posts and rail elements have been converted from metric units into their present form.
- The Blockout or Offset Block shall be approved by the State.
- All new guardrail systems (system consists of total length of guardrail including both end treatments) shall include the Additional Paved Area.
- 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.
- When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
- Minimum working width (clear distance) between back of MGS post to any fixed object is 4'-1" (49").
- New Hot Mix Asphalt (HMA) pavement at guardrails shall extend 6 feet longitudinally beyond terminal ends.
- 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'-7/8"	9 1/4"

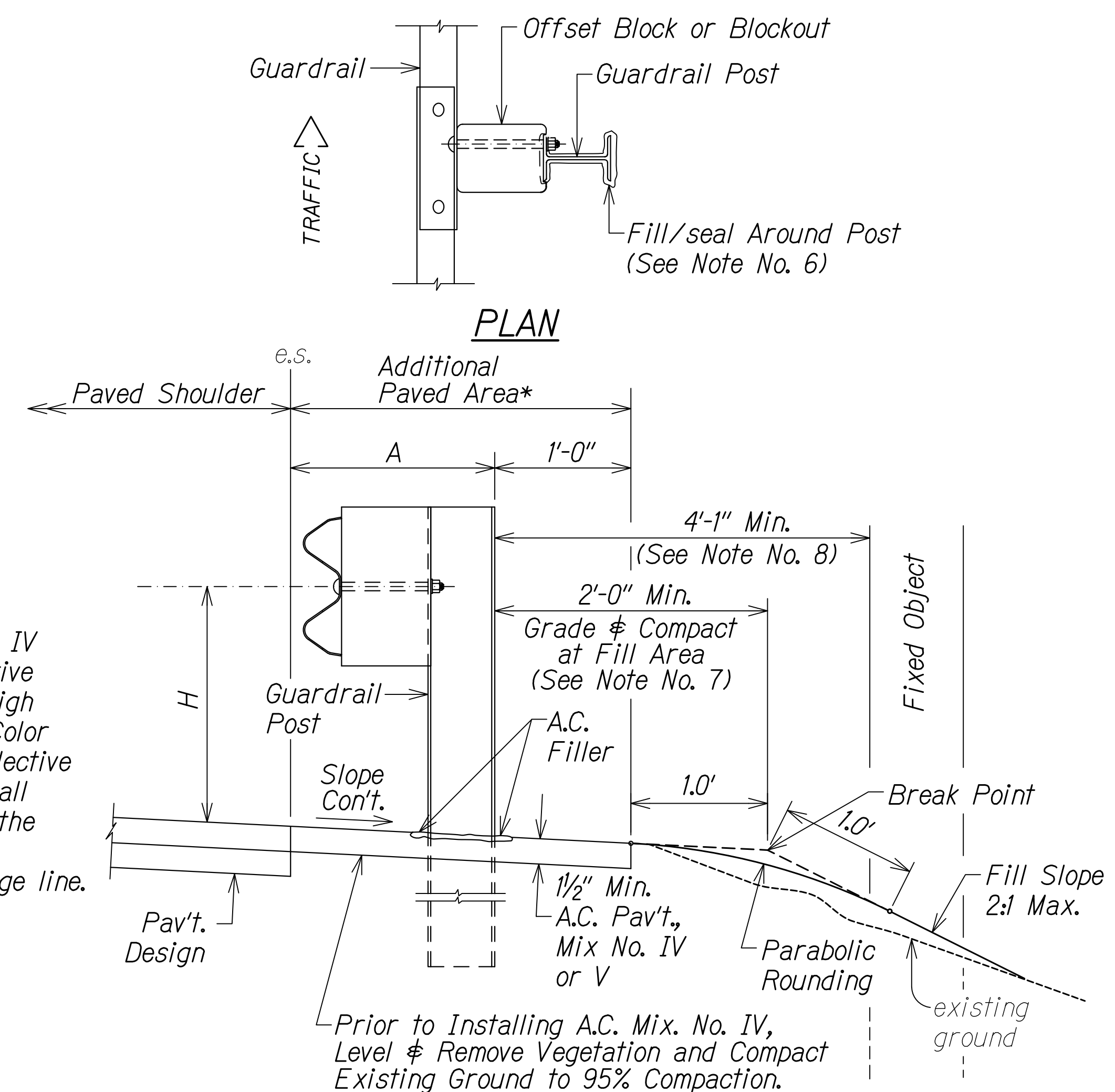
- Install White Reflector Markers (RM-3) behind guardrails at spacing identified on Table 3F-1 in MUTCD or 200' on tangents (from end to end).



STEEL POST AND BLOCK DETAIL



REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION



ELEVATION

TYPICAL GUARDRAIL INSTALLATION



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

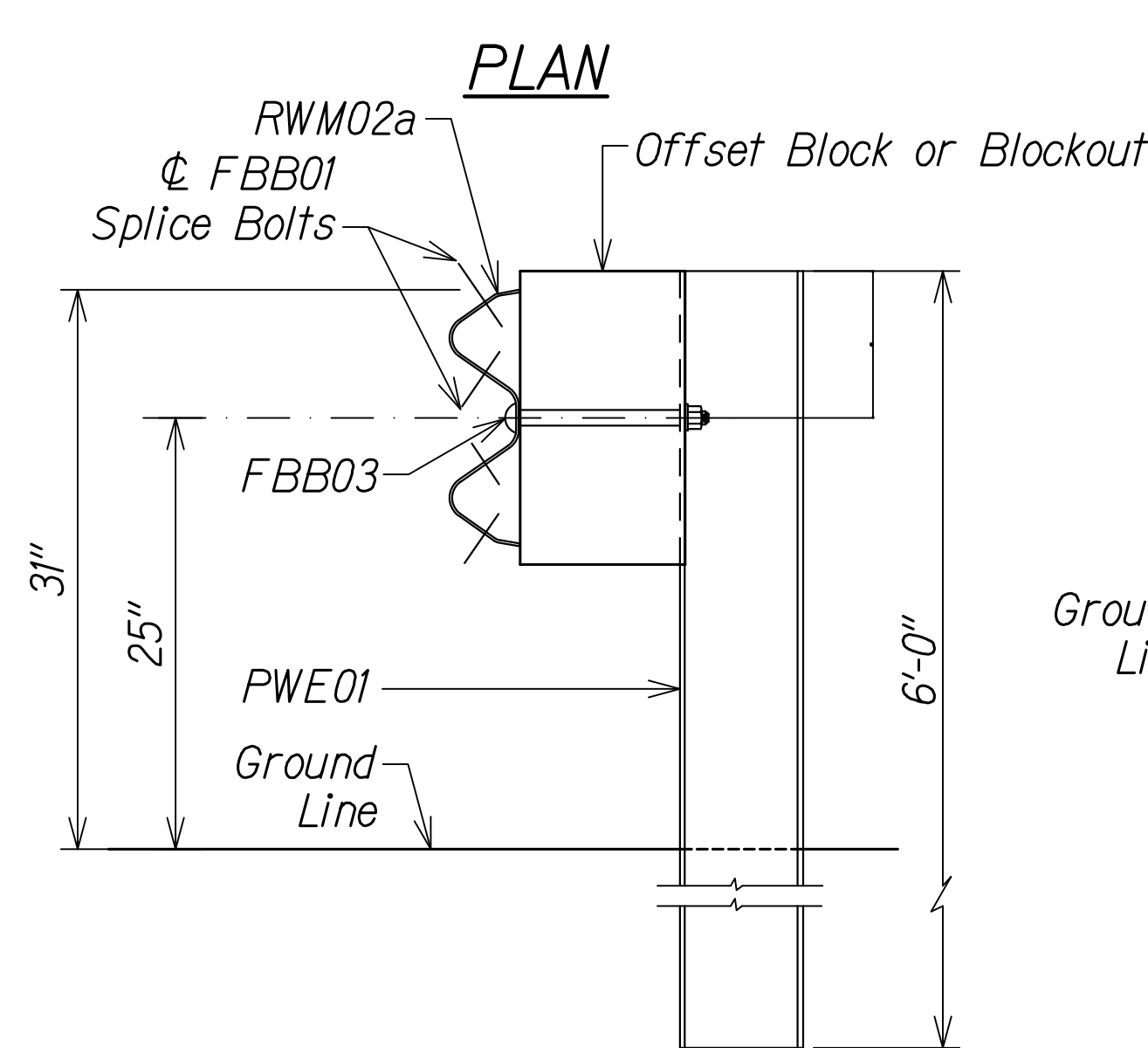
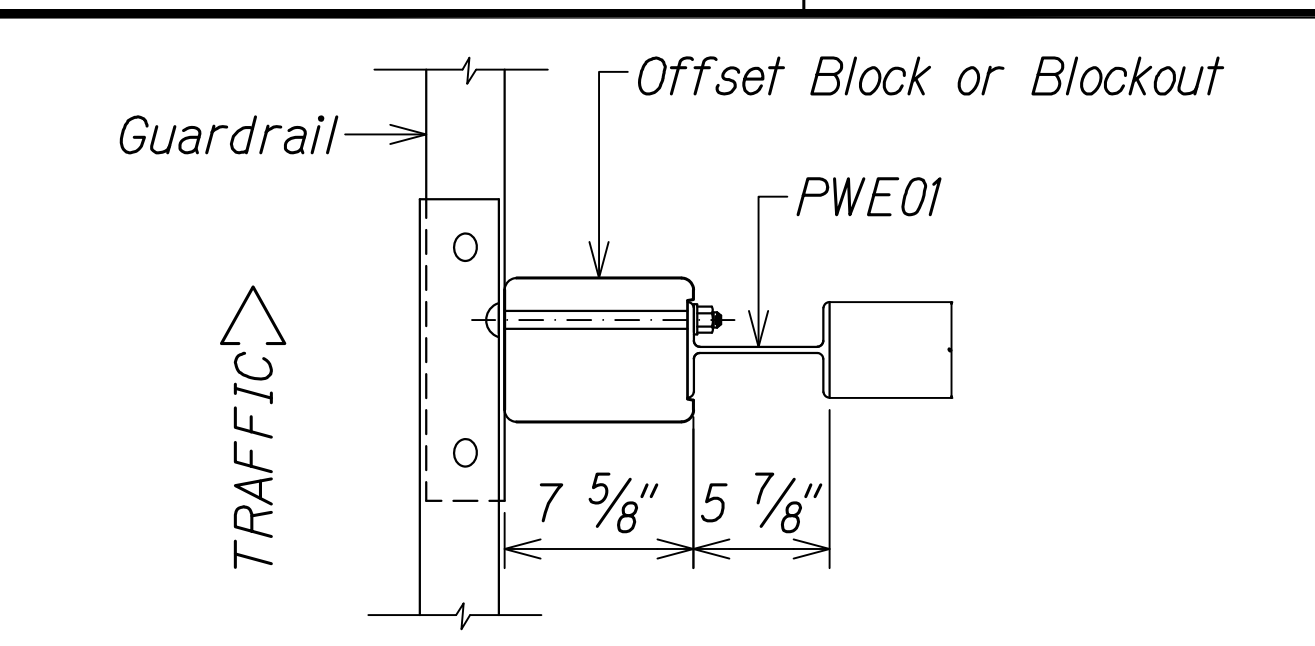
GUARDRAIL DETAILS AND NOTES

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

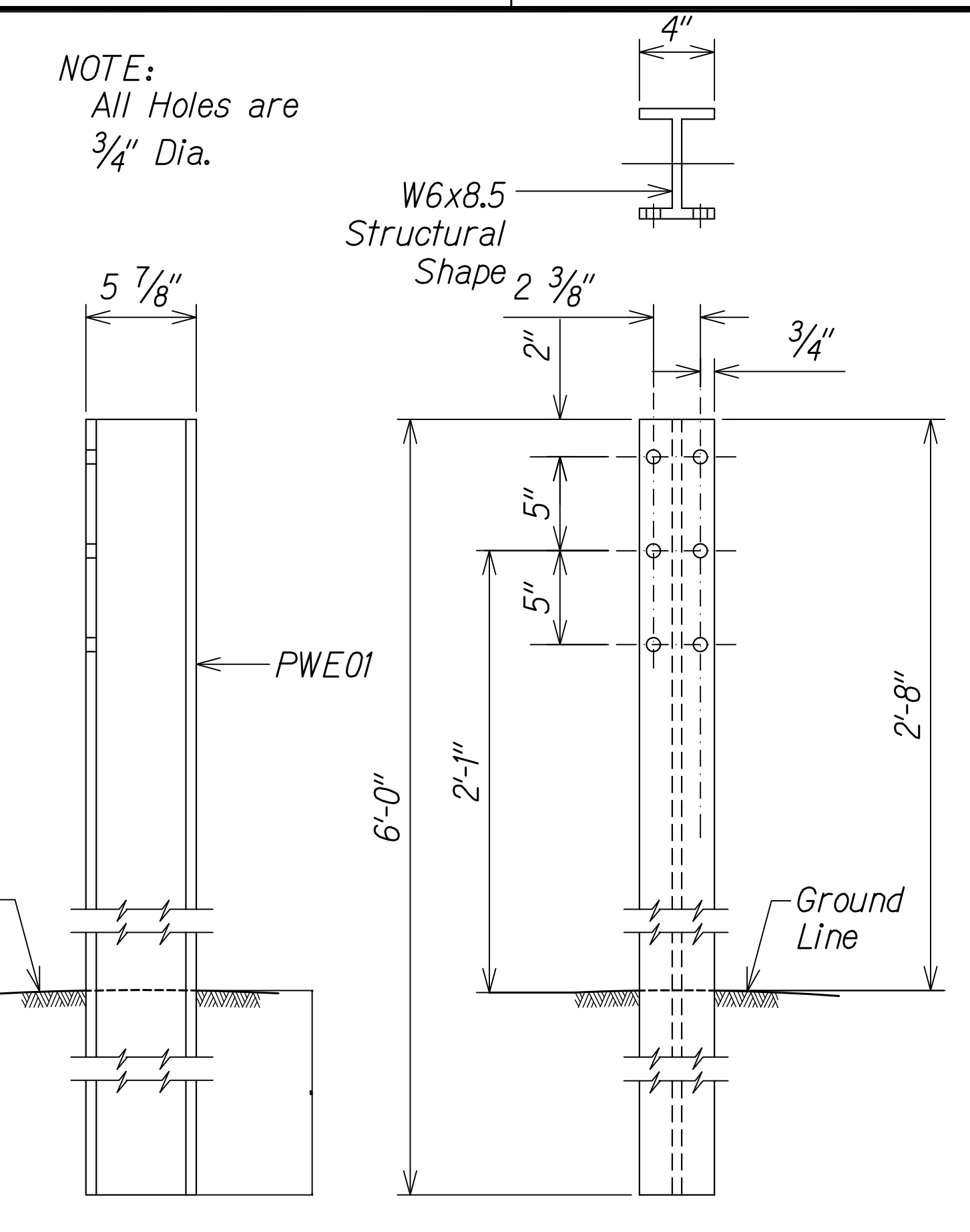
SHEET No. 1 OF 6 SHEETS

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

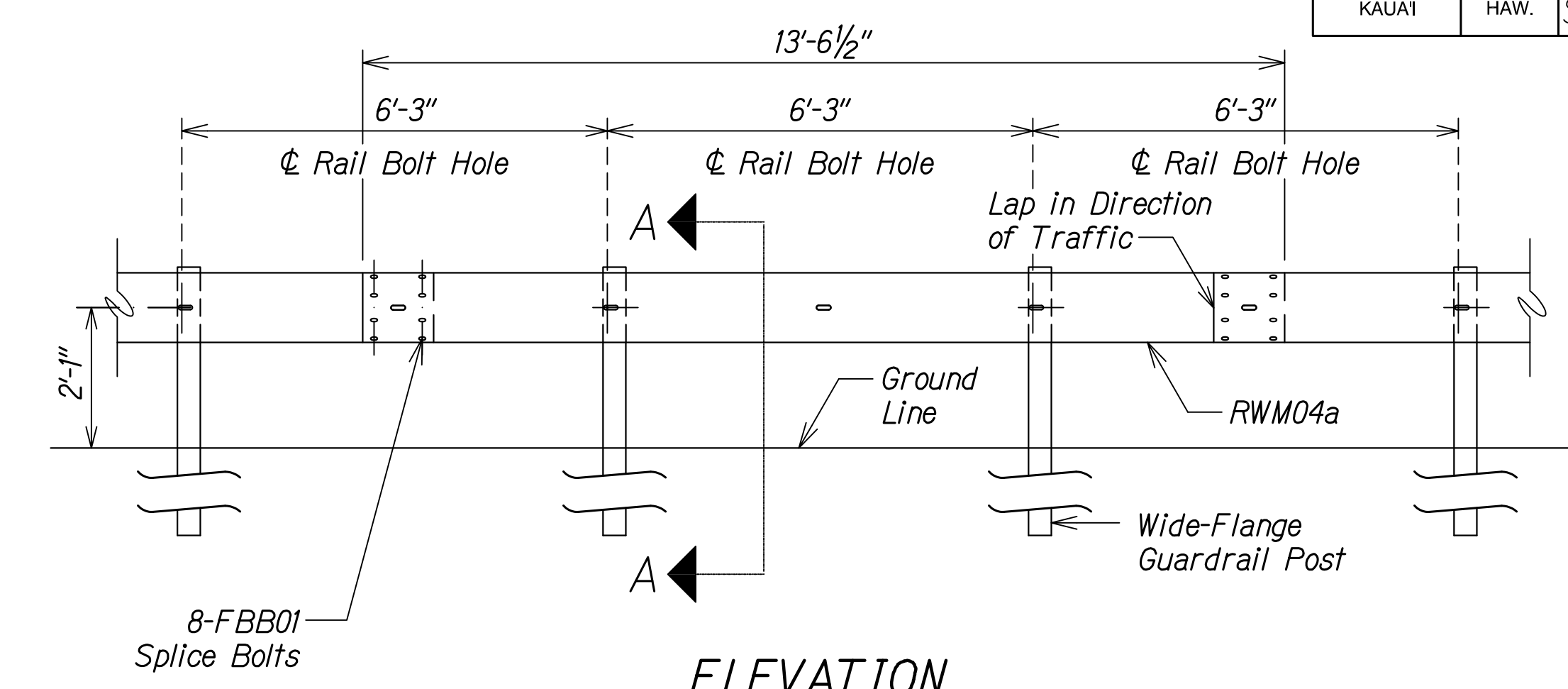
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	74	127



SECTION A-A

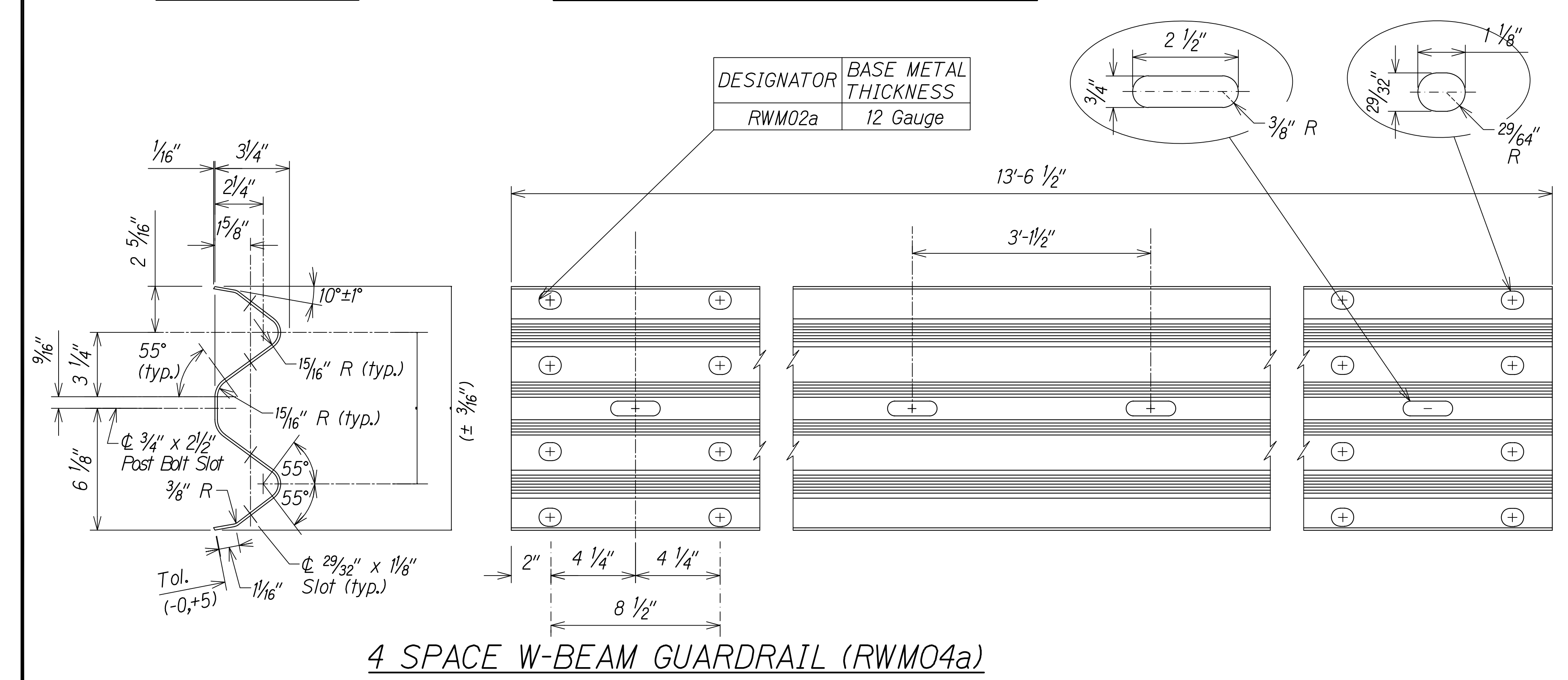


W-BEAM STRONG POST (PWE01)

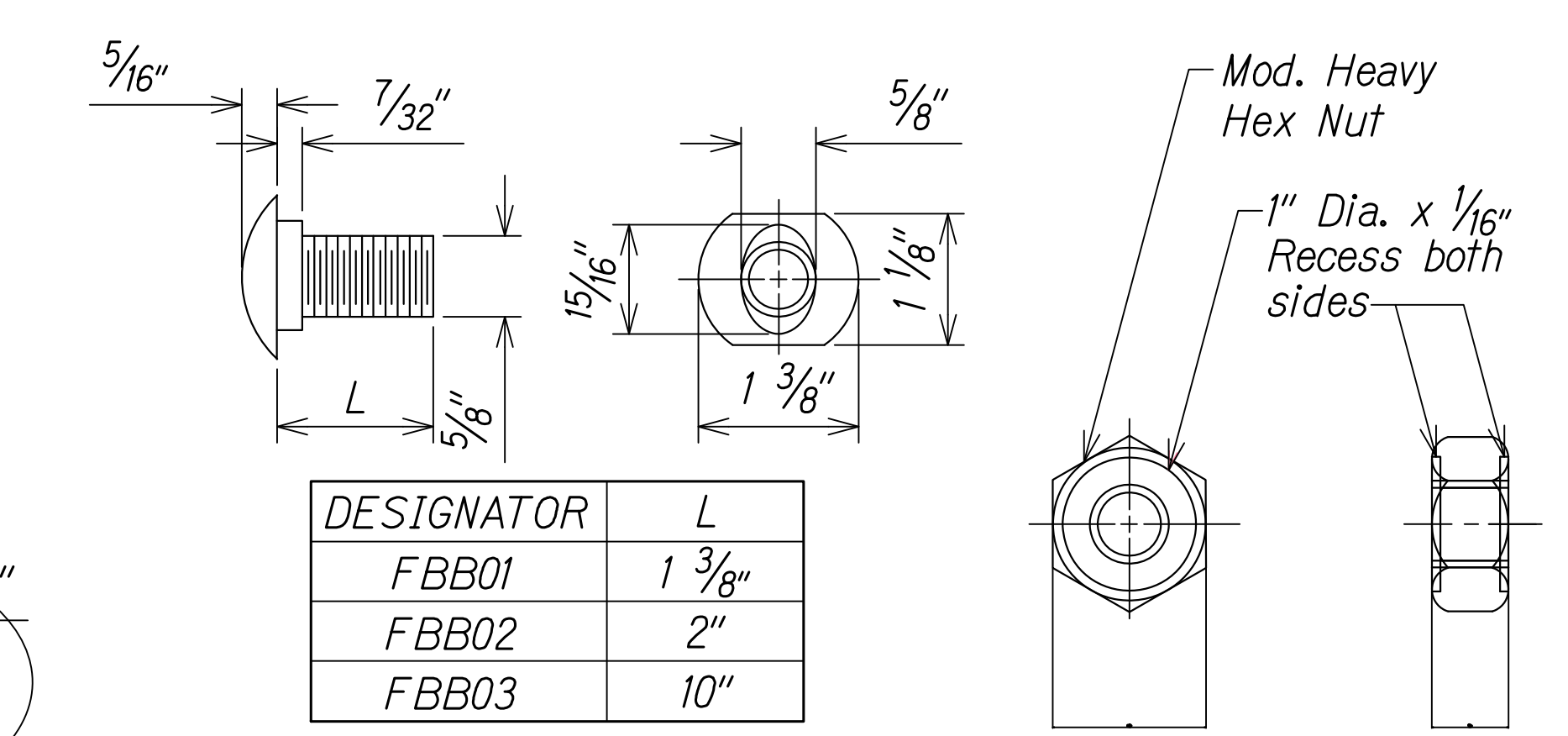


MIDWEST GUARDRAIL SYSTEM WITH STANDARD 8" OFFSET BLOCK (SGR47)

DESIGNATOR	BASE METAL THICKNESS
RWM02a	12 Gauge



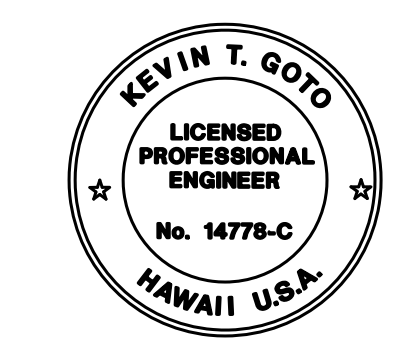
4 SPACE W-BEAM GUARDRAIL (RWM04a)



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

GUARDRAIL BOLTS AND RECESSED NUT

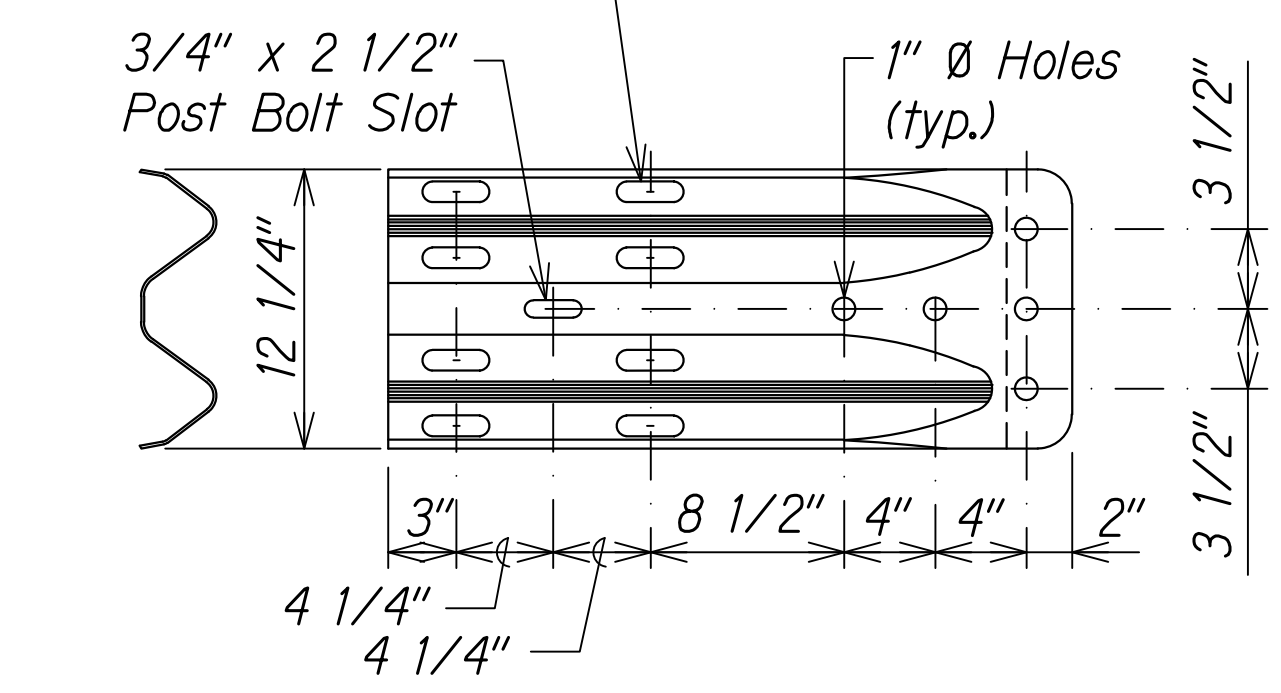
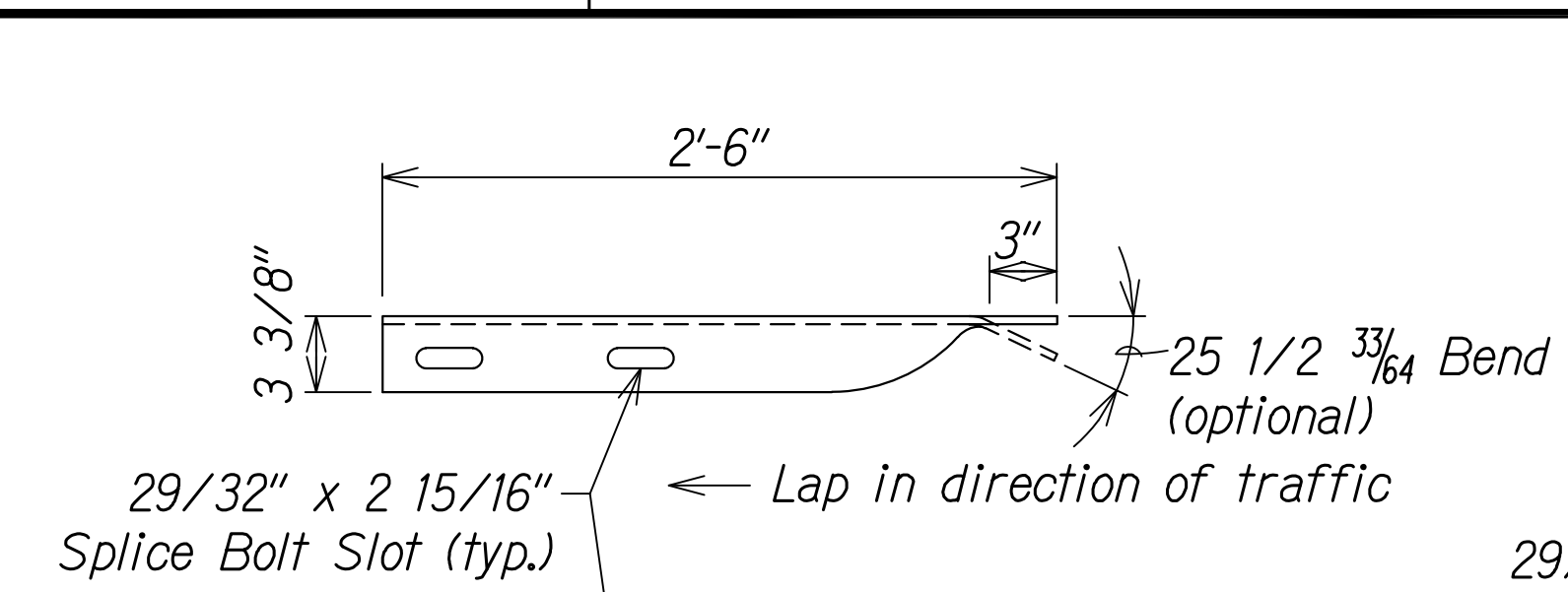
SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



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

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
3" 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

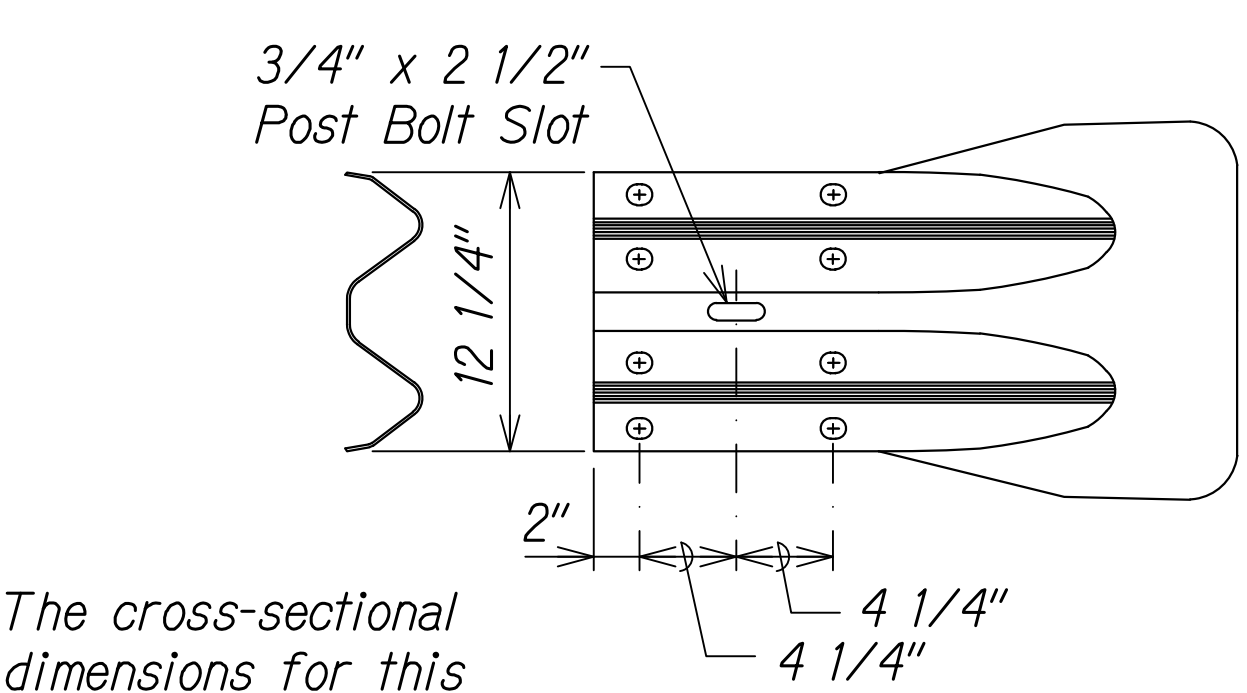
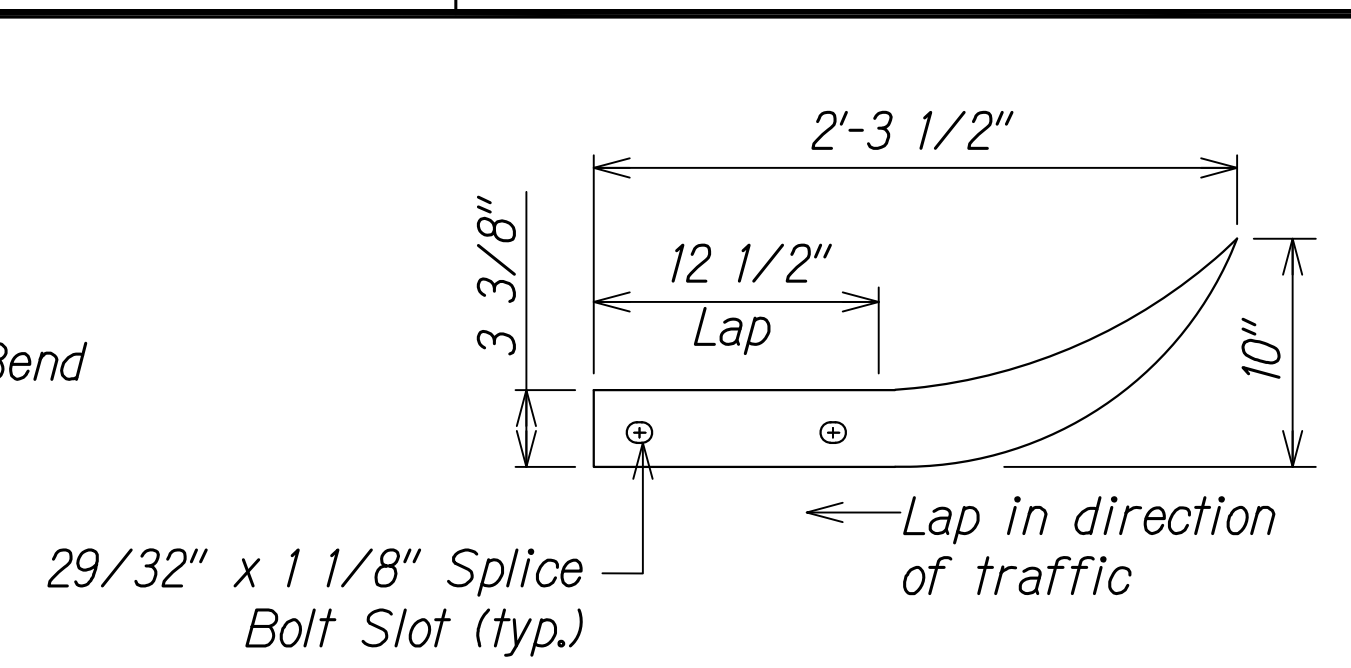
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	75	127



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

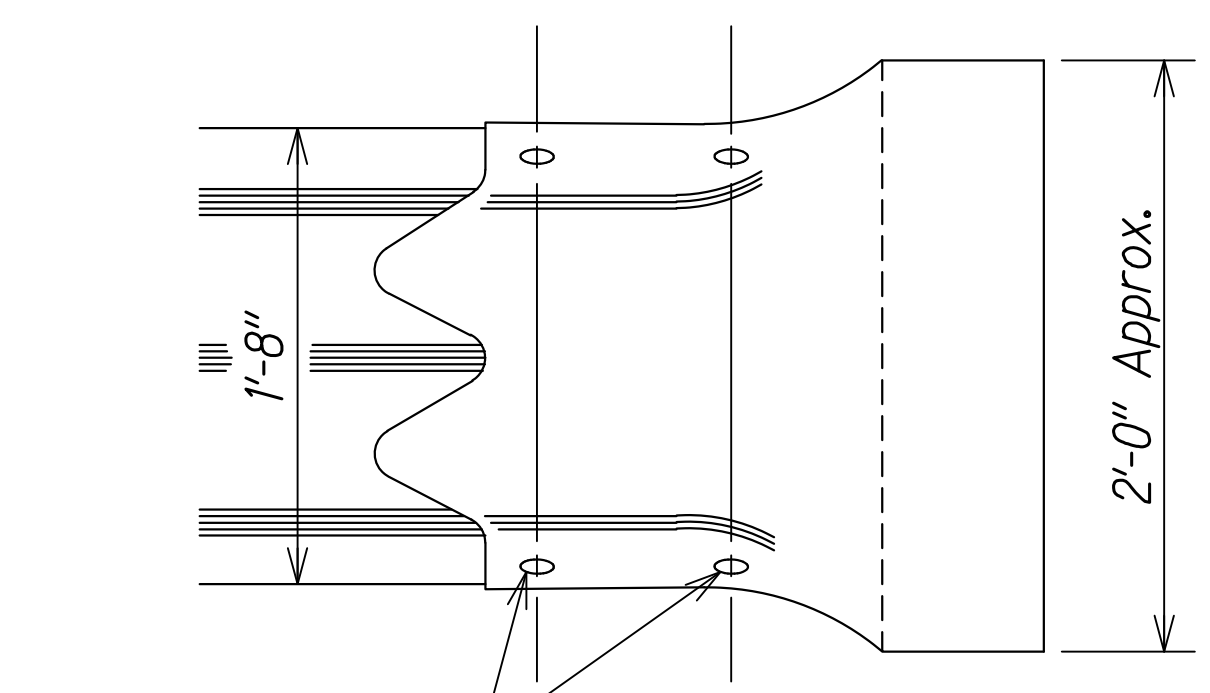
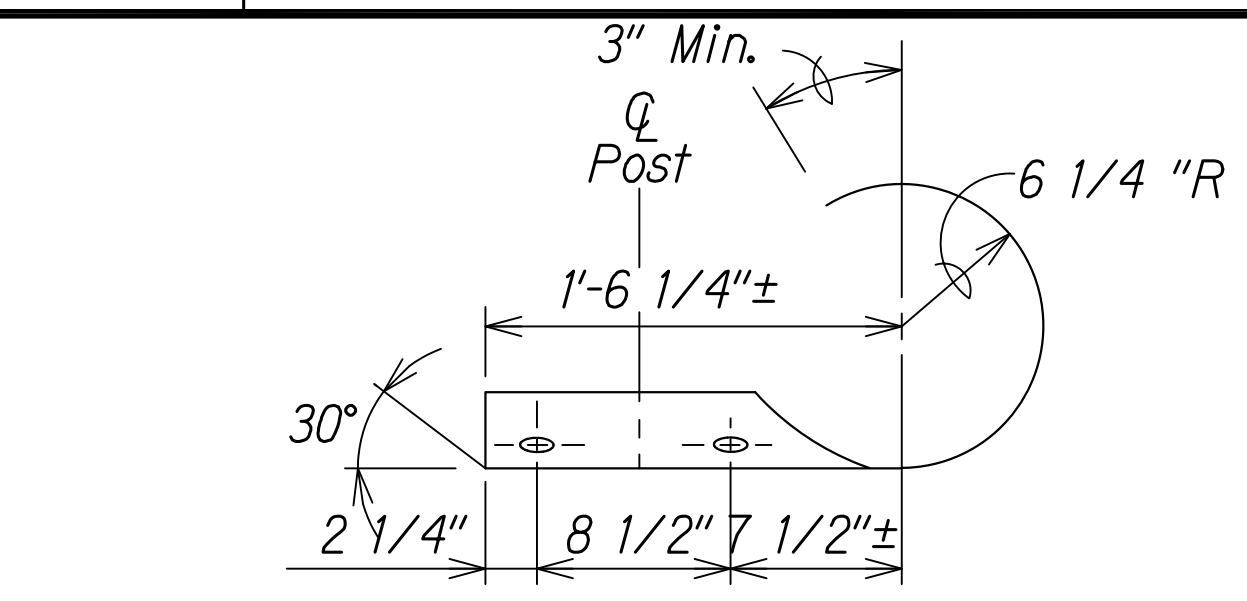
W-BEAM TERMINAL CONNECTOR (RWE02b)



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.

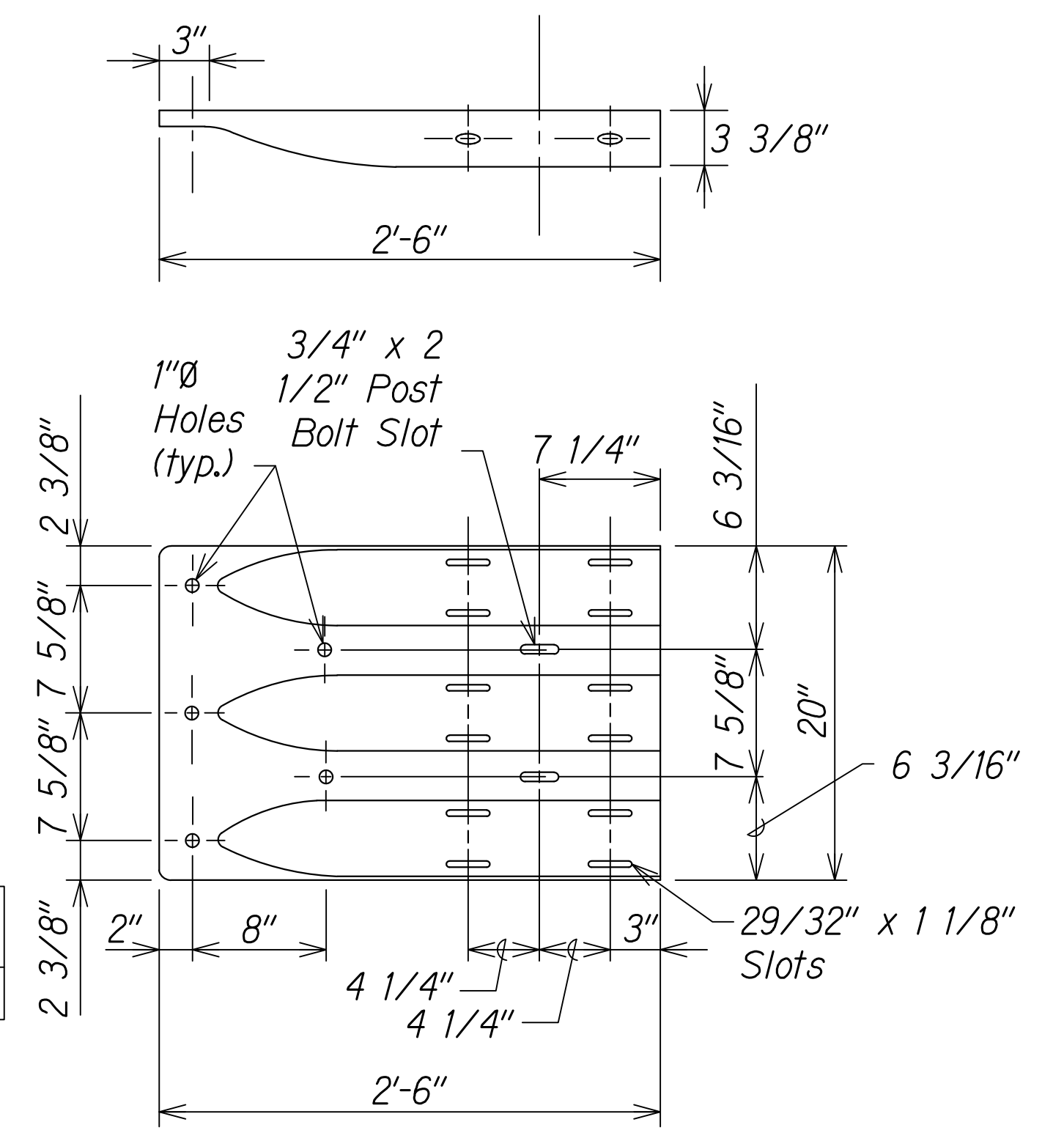
DESIGNATOR	BASE METAL THICKNESS
RWE01a	12 Gauge

W-BEAM END SECTION (FLARED RWE01a)



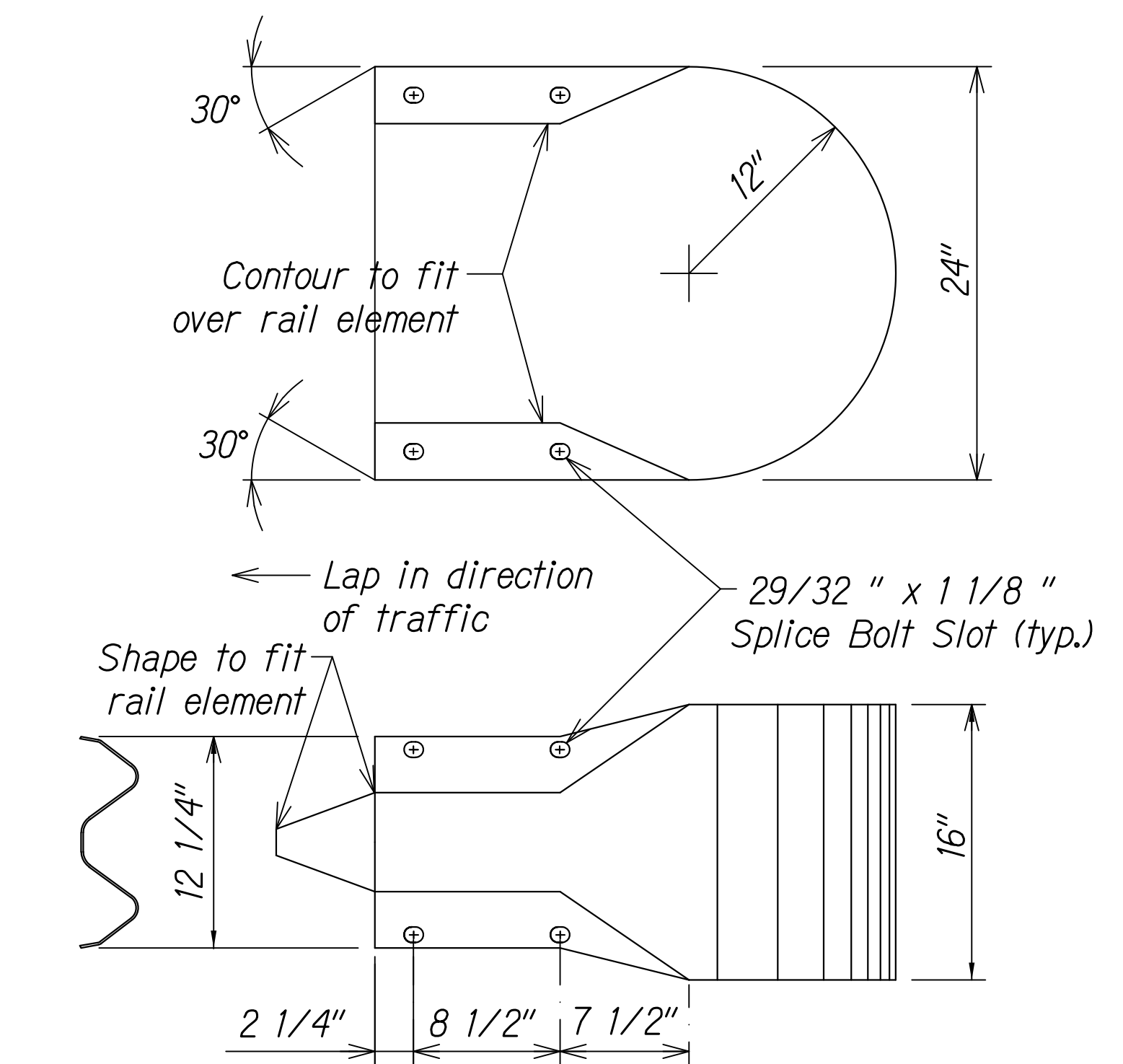
DESIGNATOR	BASE METAL THICKNESS
RWE02b	10 Gauge

THRIE-BEAM SECTION (ROUNDED) (RTE02b)



DESIGNATOR	BASE METAL THICKNESS
RTE01b	10 Gauge

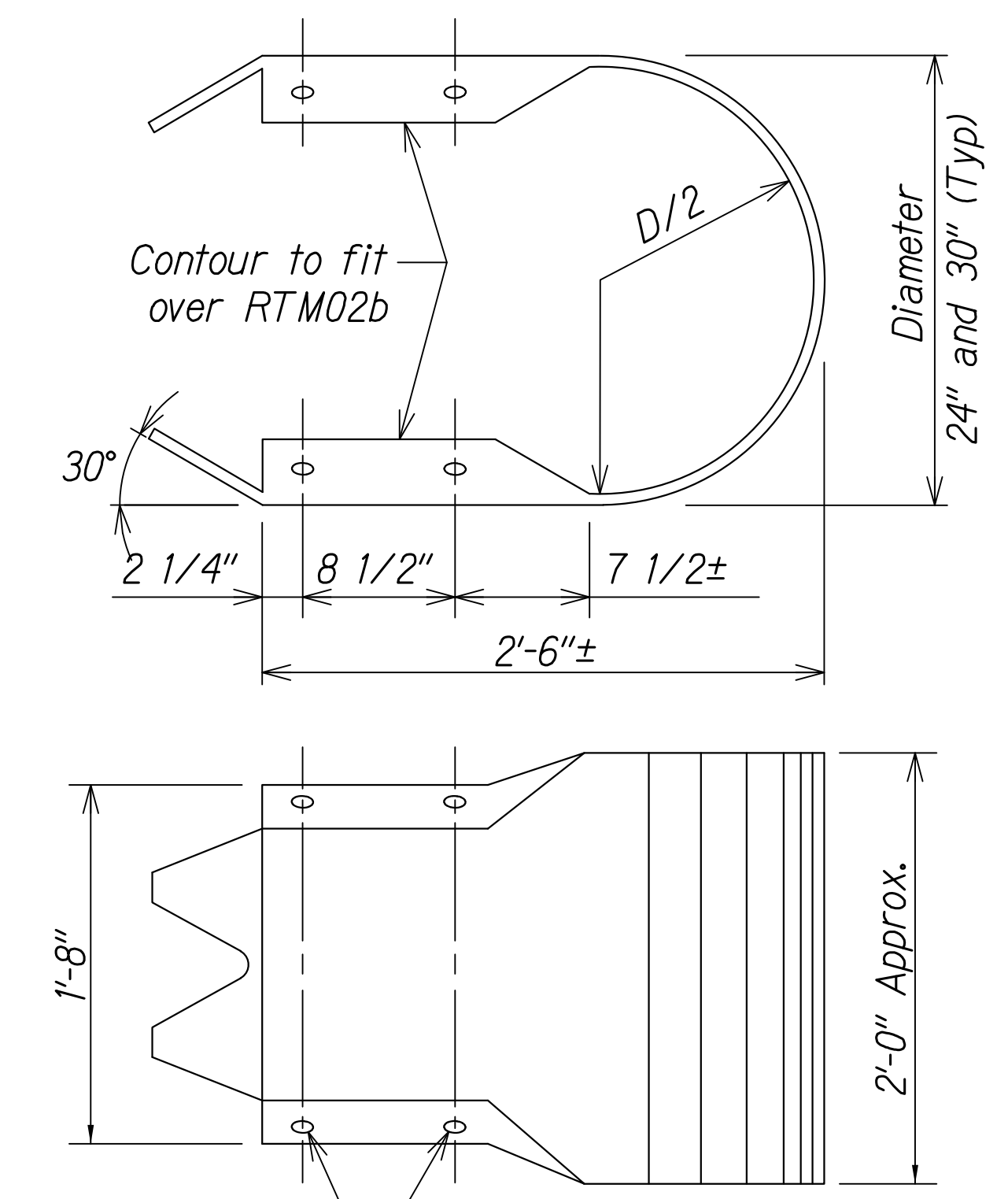
THRIE-BEAM TERMINAL CONNECTOR (RTE01b)



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

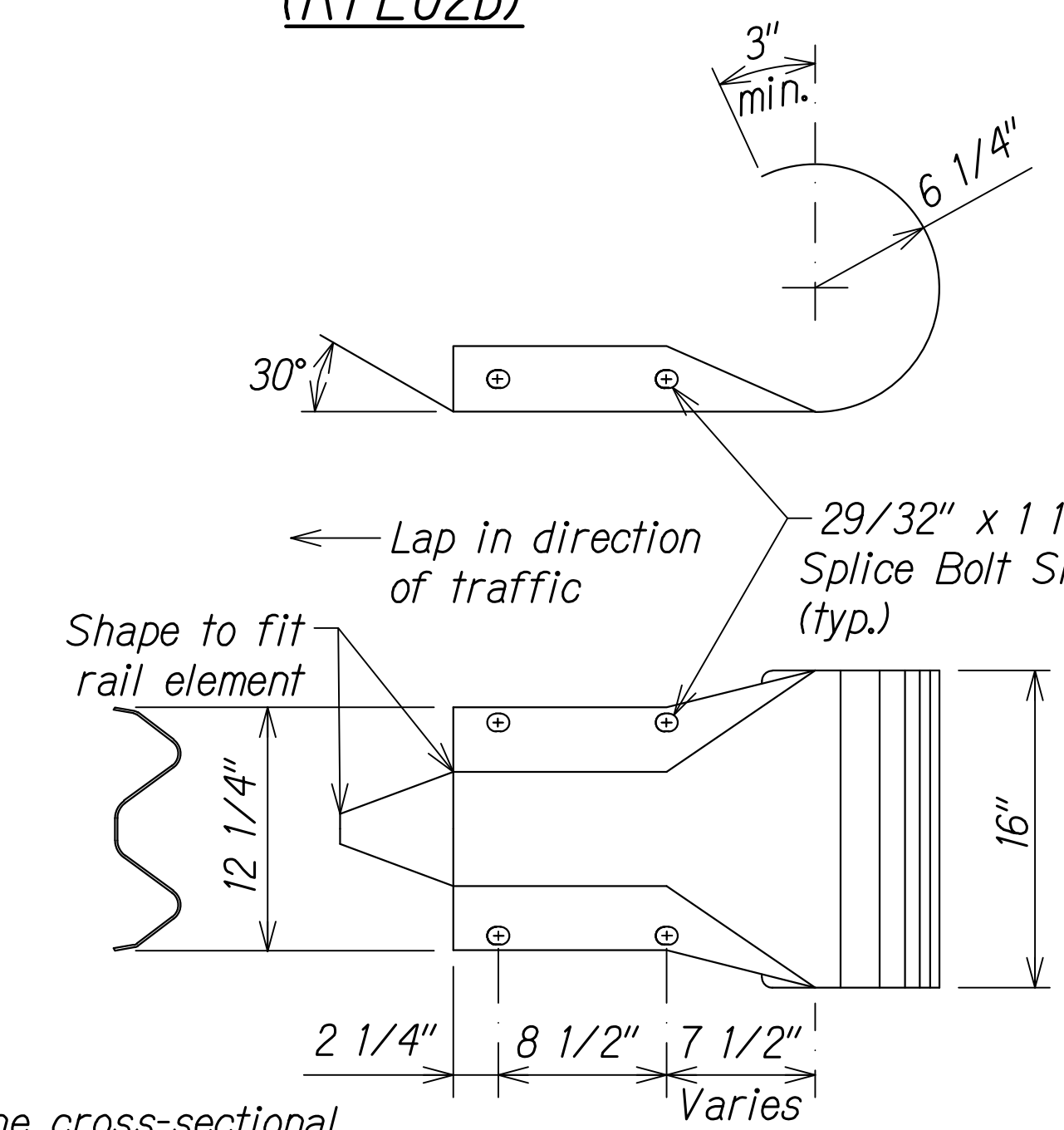
DESIGNATOR	BASE METAL THICKNESS
RWE06a	12 Gauge

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)

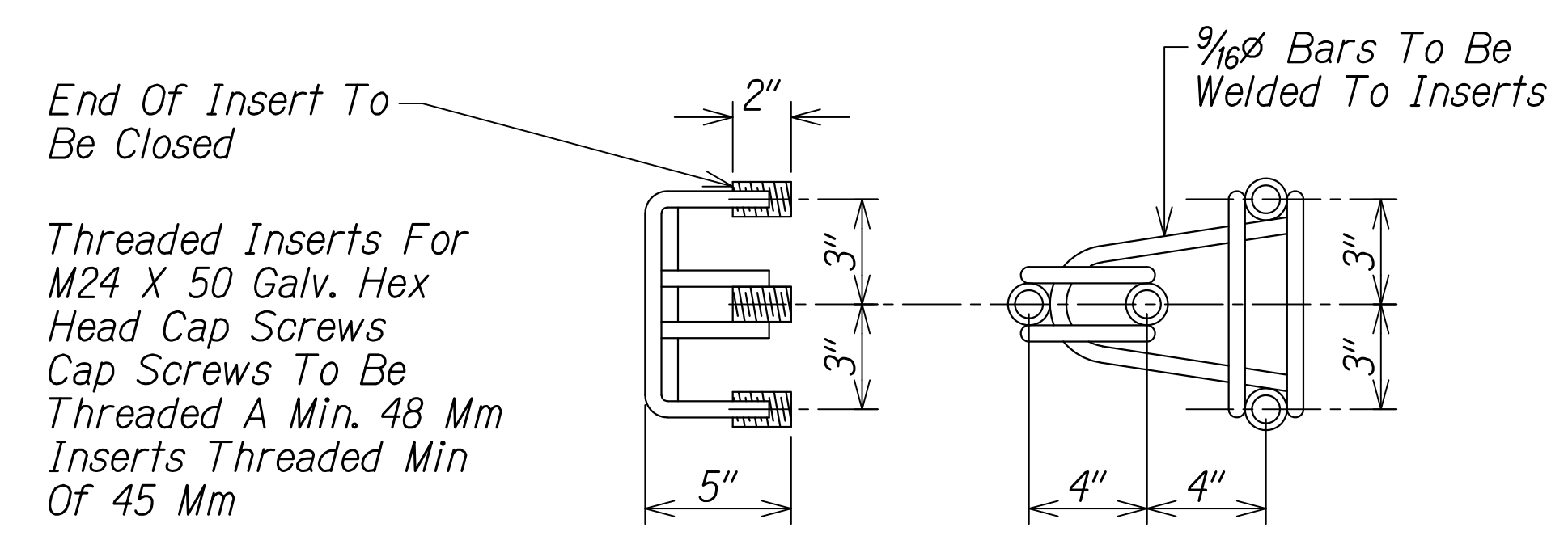
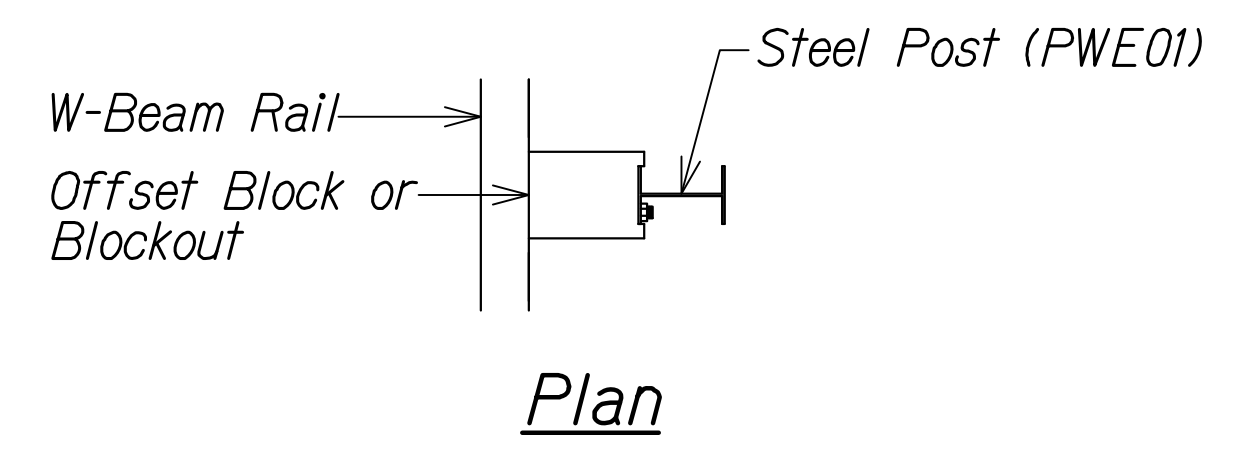
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



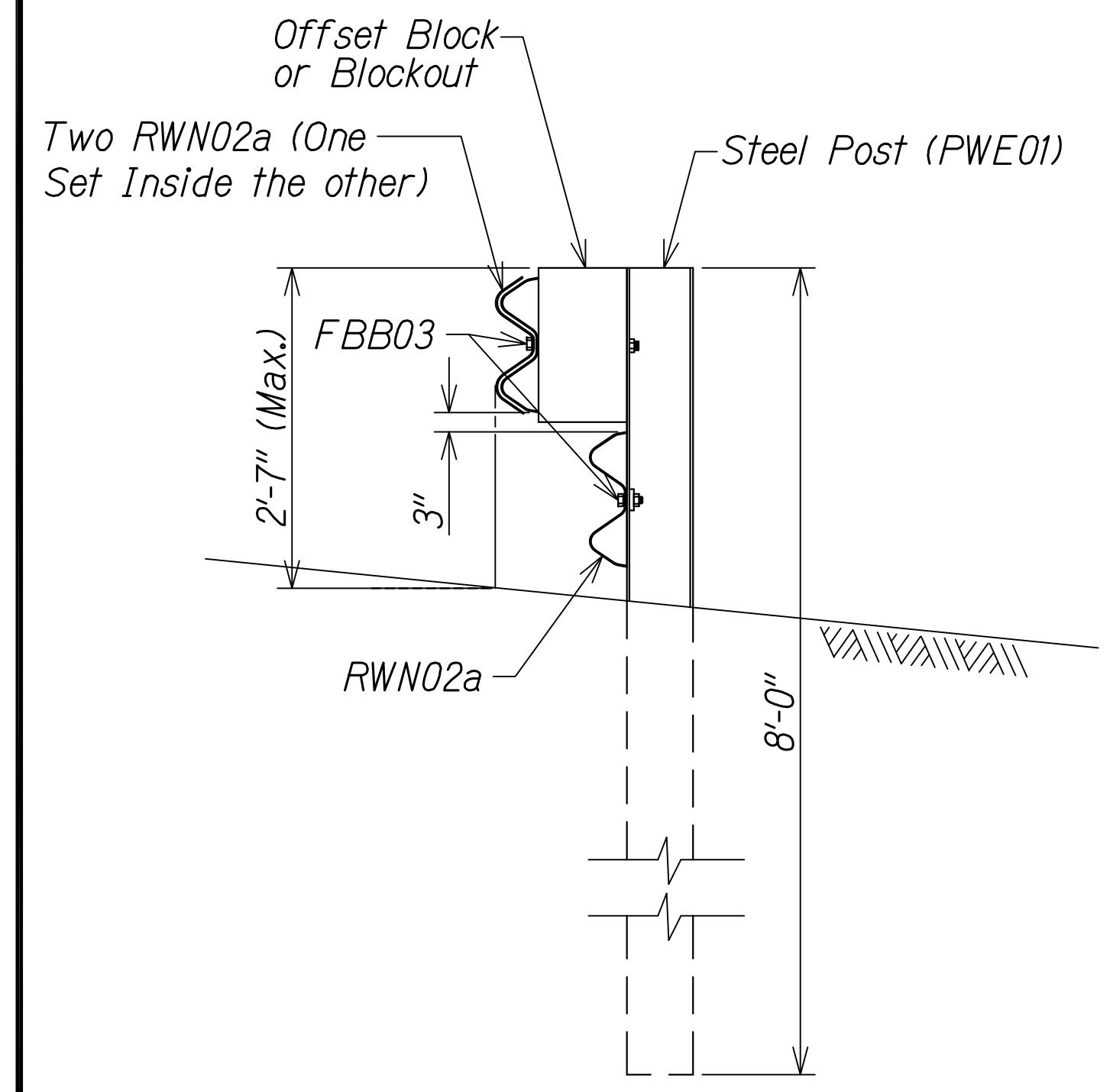
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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
GUARDRAIL TERMINAL CONNECTORS AND END SECTIONS
 WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: None Date: August 2022
 SHEET No. 3 OF 6 SHEETS

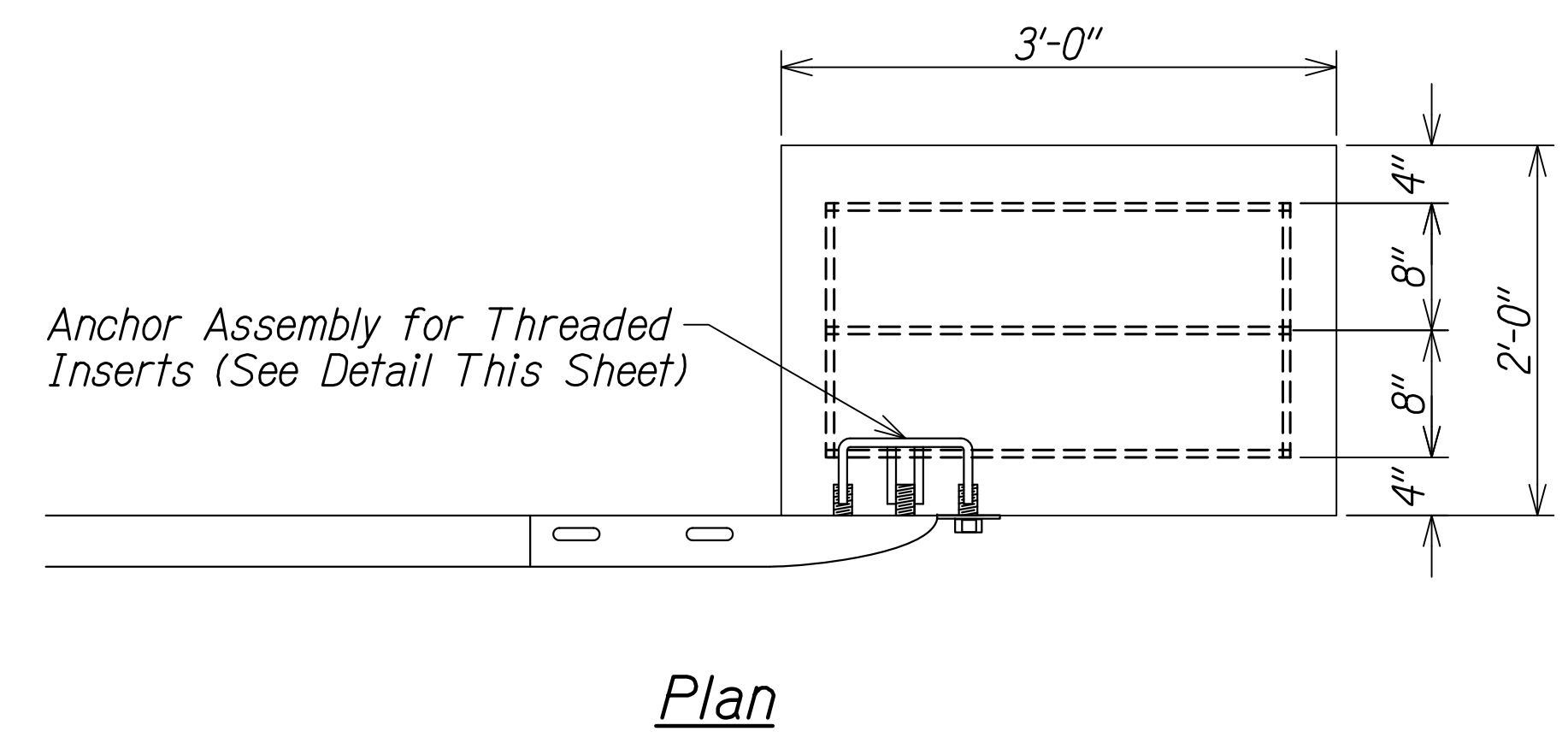
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	76	127



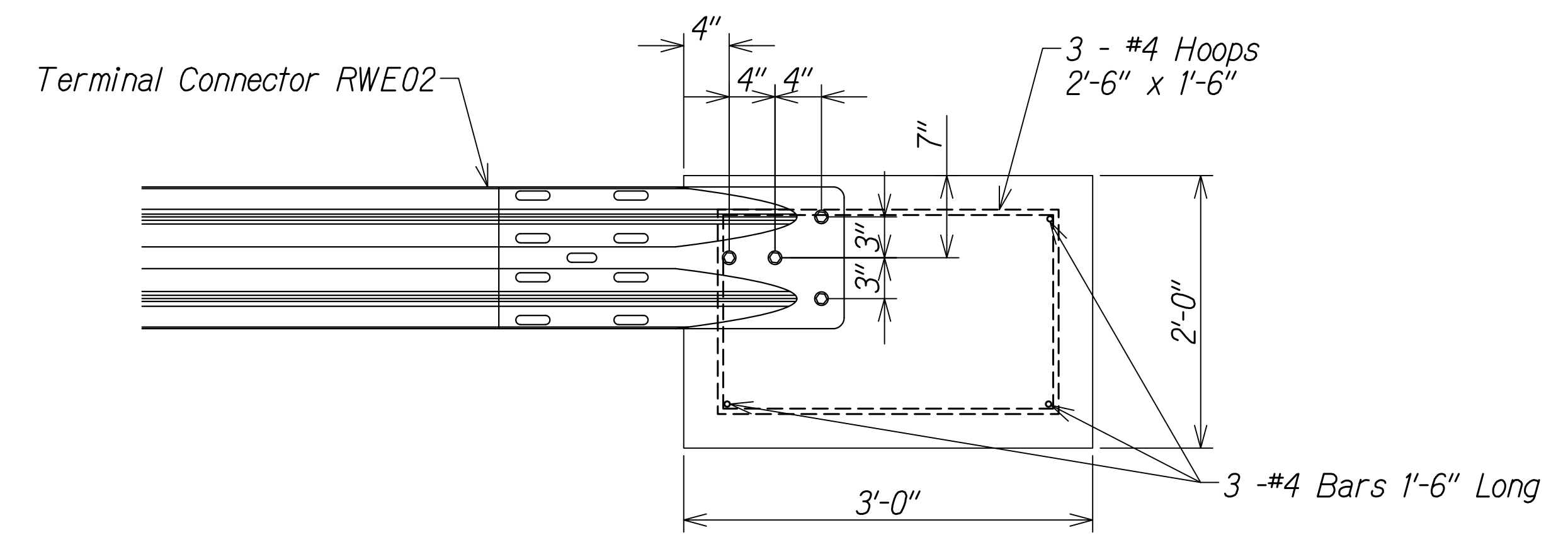
Note:
All fasteners, posts, blocks and rail elements shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware," a report prepared and approved by the AASHTO-AGCARTBA Joint Cooperative Committee.



**ANCHOR ASSEMBLY
CONCRETE BLOCK ANCHOR**



**DOUBLE NESTED
STEEL POST GUARDRAIL
WITH RUBRAIL**



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

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

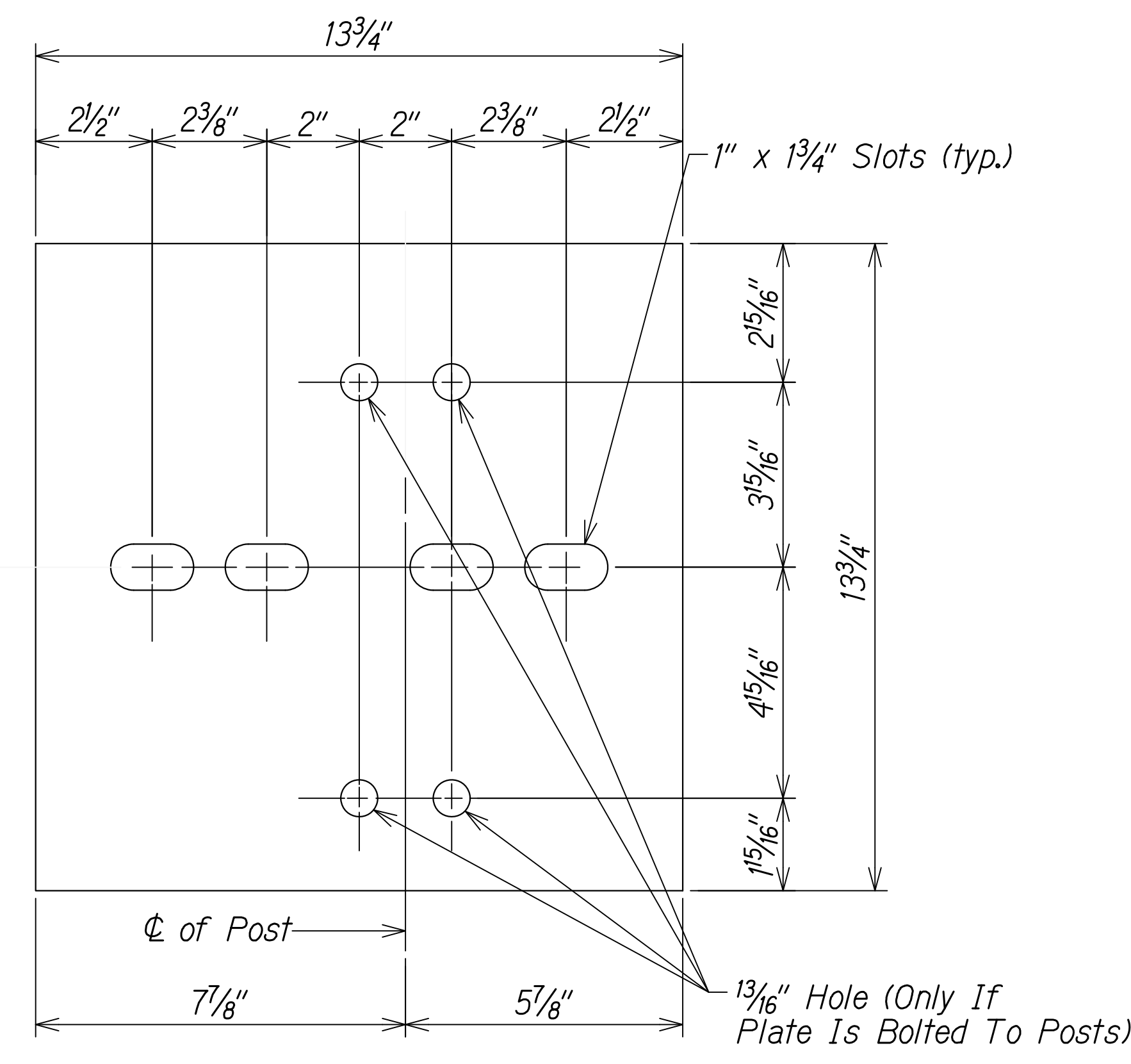


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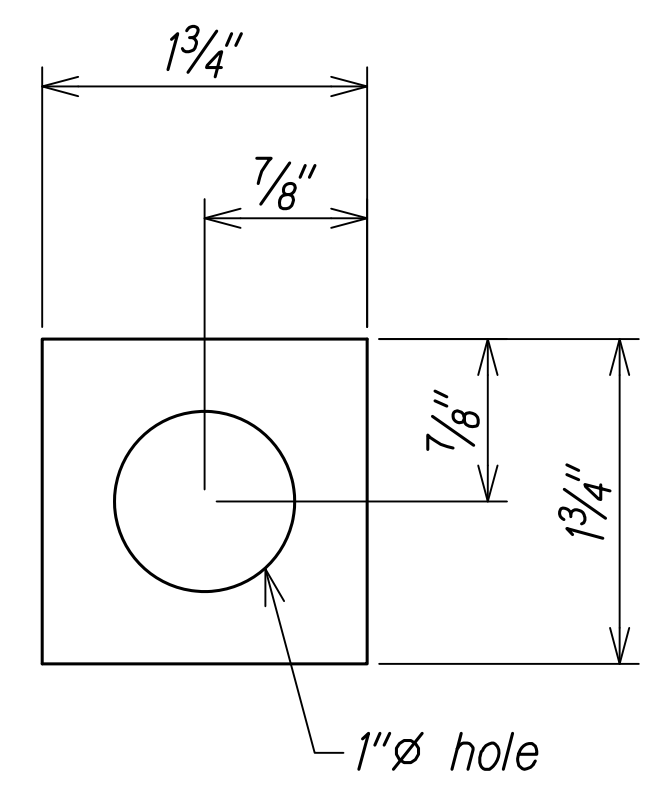
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GUARDRAIL DETAILS
WAIMEA CANYON DRIVE /
KOEKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 20' Date: August 2022
SHEET No. 4 OF 6 SHEETS

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

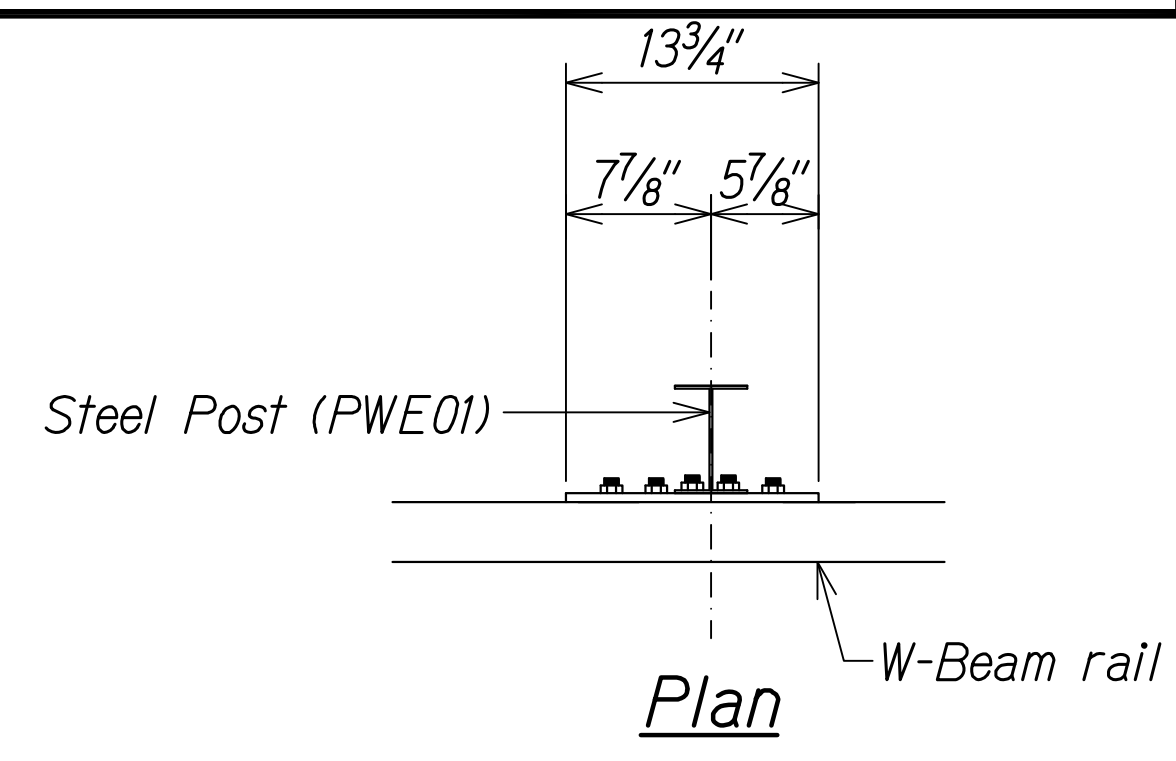
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	77	127



Steel Plate - 1/2"
(Hot-dip Zinc Coated Galvanized
Welded or Bolted to Post)

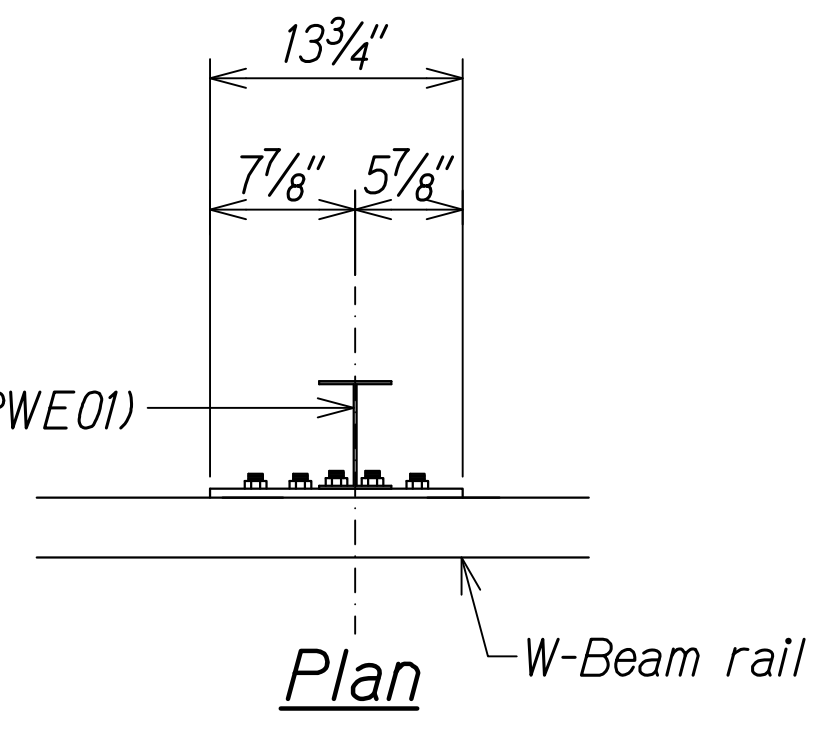


Square Washer
(3/16" Thick - Hot-dip
Zinc Coated Galvanized)



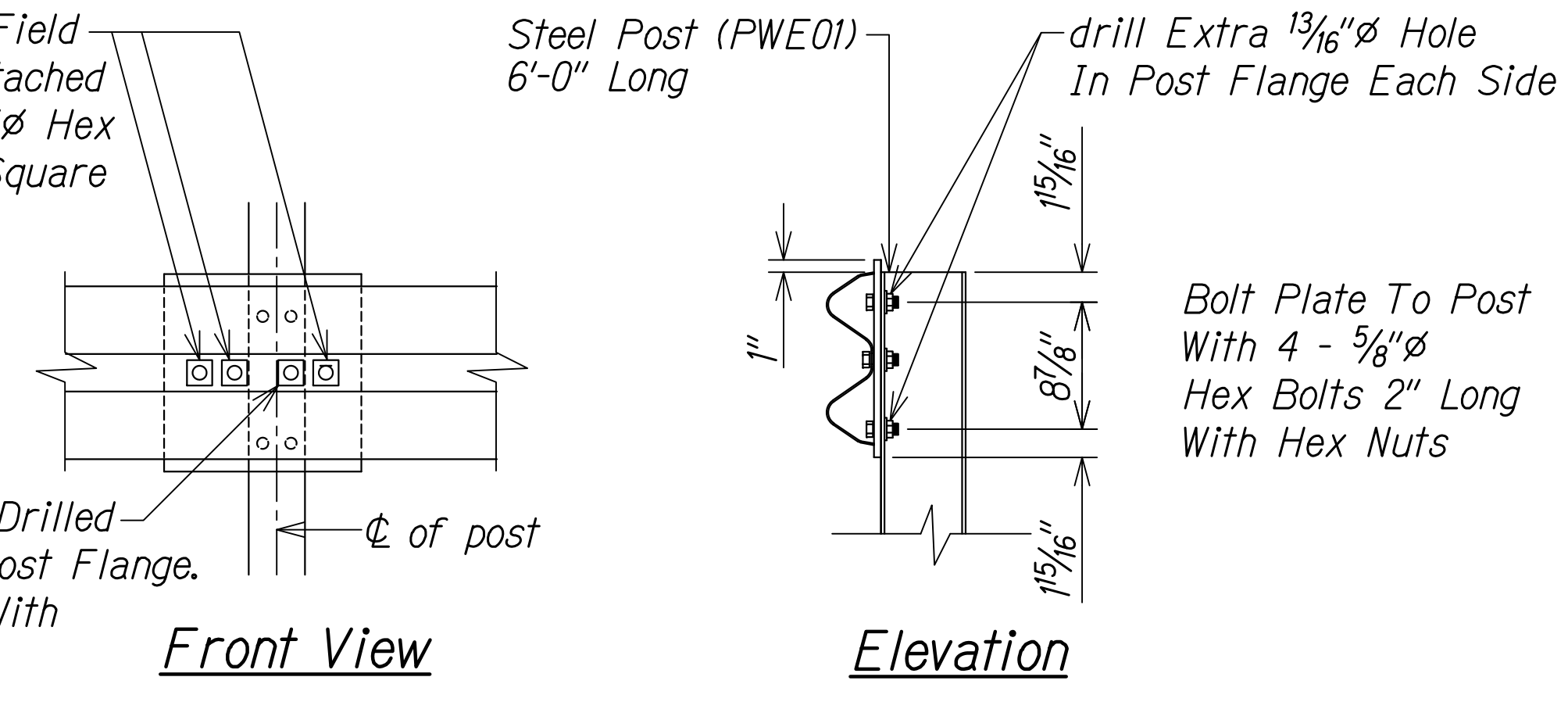
3 - 7/8" ϕ Holes To Be Field
Drilled In Rail And Attached
To Steel Plate With 7/8" ϕ Hex
Bolts 1 5/16" Long With Square
Washer

1" ϕ Holes To Be Field Drilled
In Rail And Through Post Flange.
Attach To Steel Plate With
7/8" ϕ Hex Bolts 2" Long
With Square Washer



3 - 7/8" ϕ Holes To Be Field
Drilled In Rail And Attached
To Steel Plate With 7/8" ϕ Hex
Bolts 1 5/16" Long With Square
Washer

1" ϕ Holes To Be Field Drilled
In Rail And Through Post Flange.
Attach To Steel Plate With
7/8" ϕ Hex Bolts 2" Long
With Square Washer

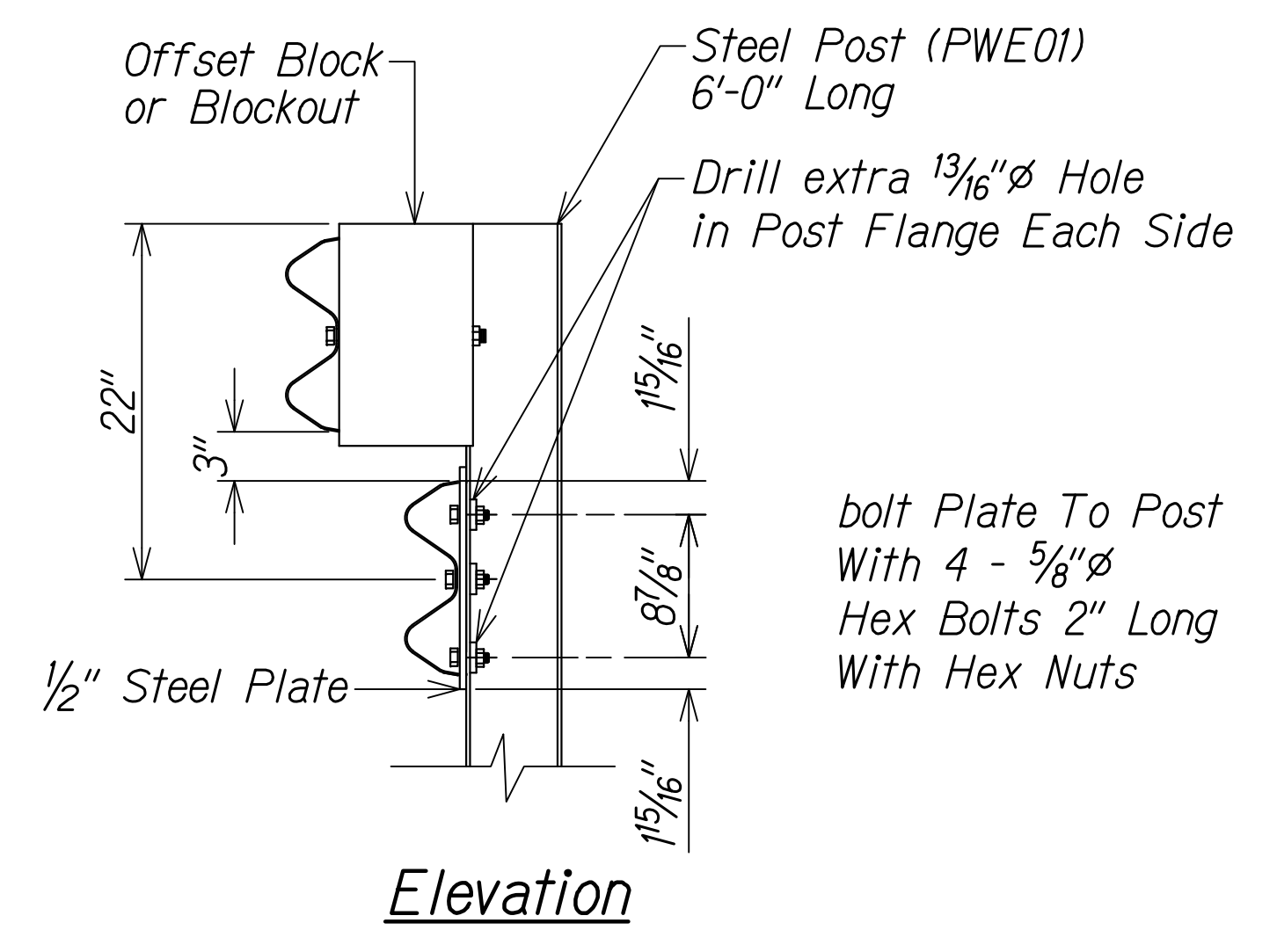


Bolt Plate To Post
With 4 - 5/8" ϕ
Hex Bolts 2" Long
With Hex Nuts

RUBRAIL ANCHOR DETAILS

POST ANCHOR DETAILS

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



bolt Plate To Post
With 4 - 5/8" ϕ
Hex Bolts 2" Long
With Hex Nuts

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.



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

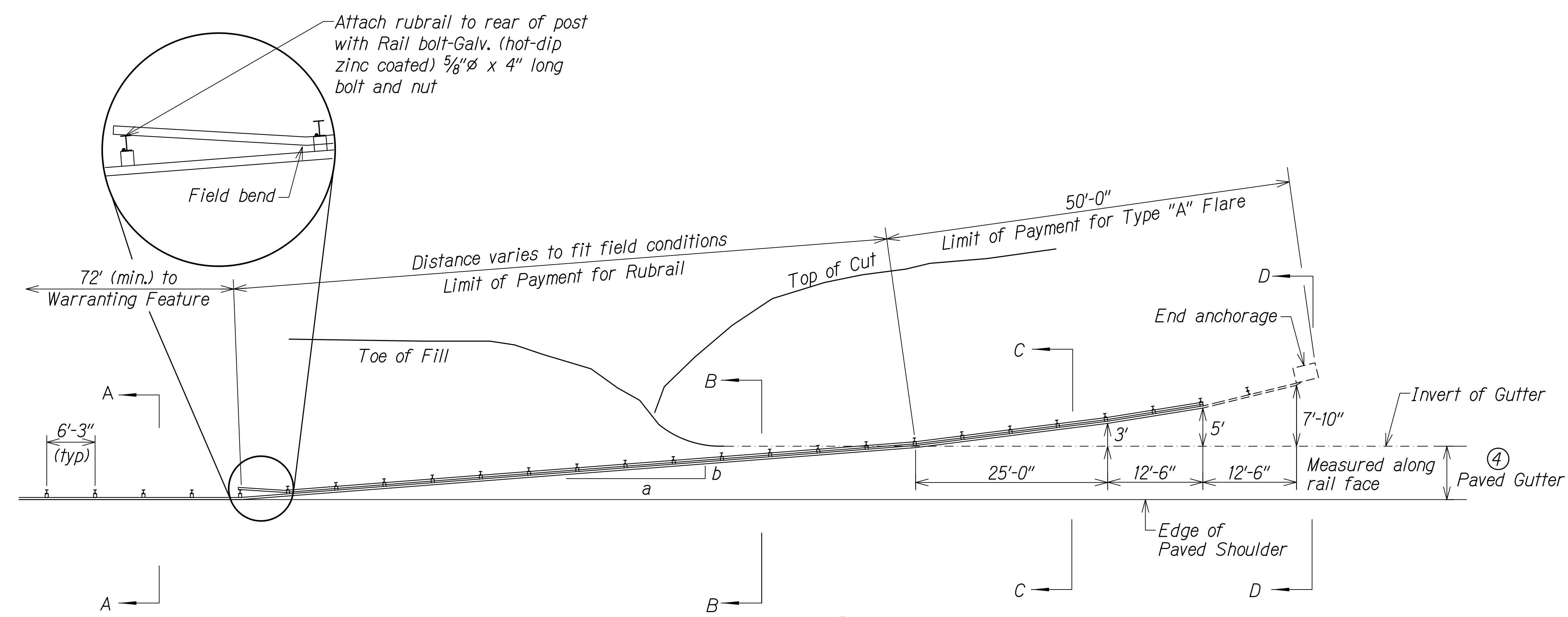
GUARDRAIL DETAILS

WAIMEA CANYON DRIVE /
KOEKE 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

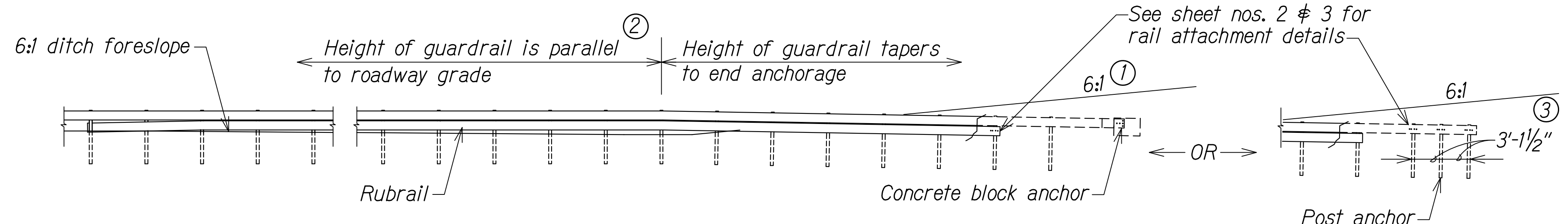
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	78	127

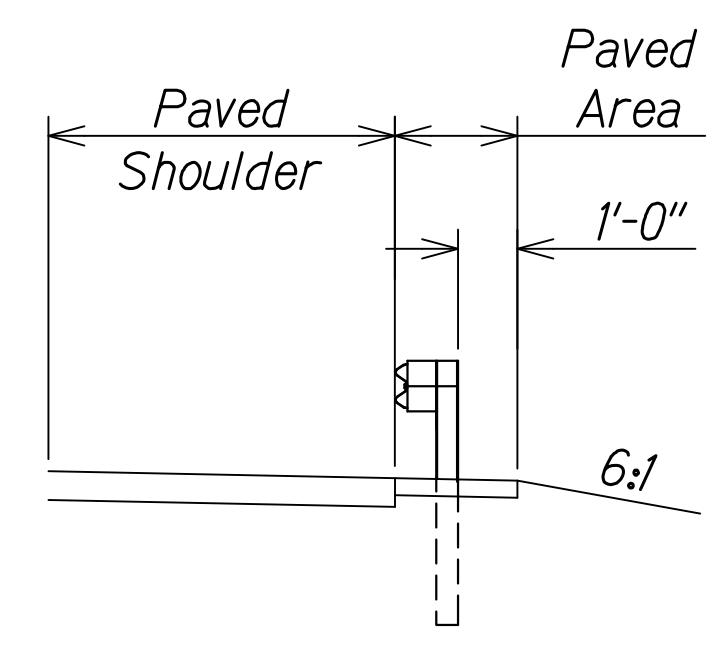


PLAN

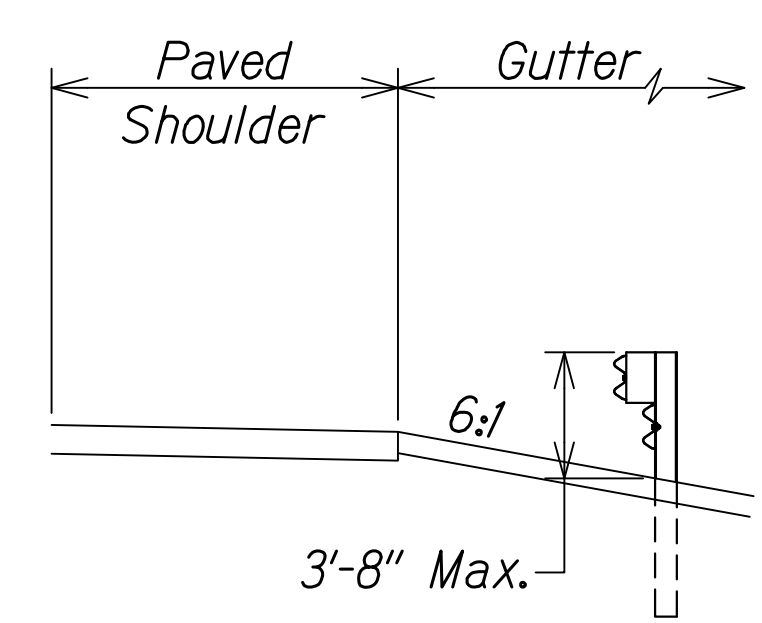
Design speed mph	a:b
68	15:1
62	13:1
56	12:1
50	11:1
43	10:1
37	9:1
31	7:1



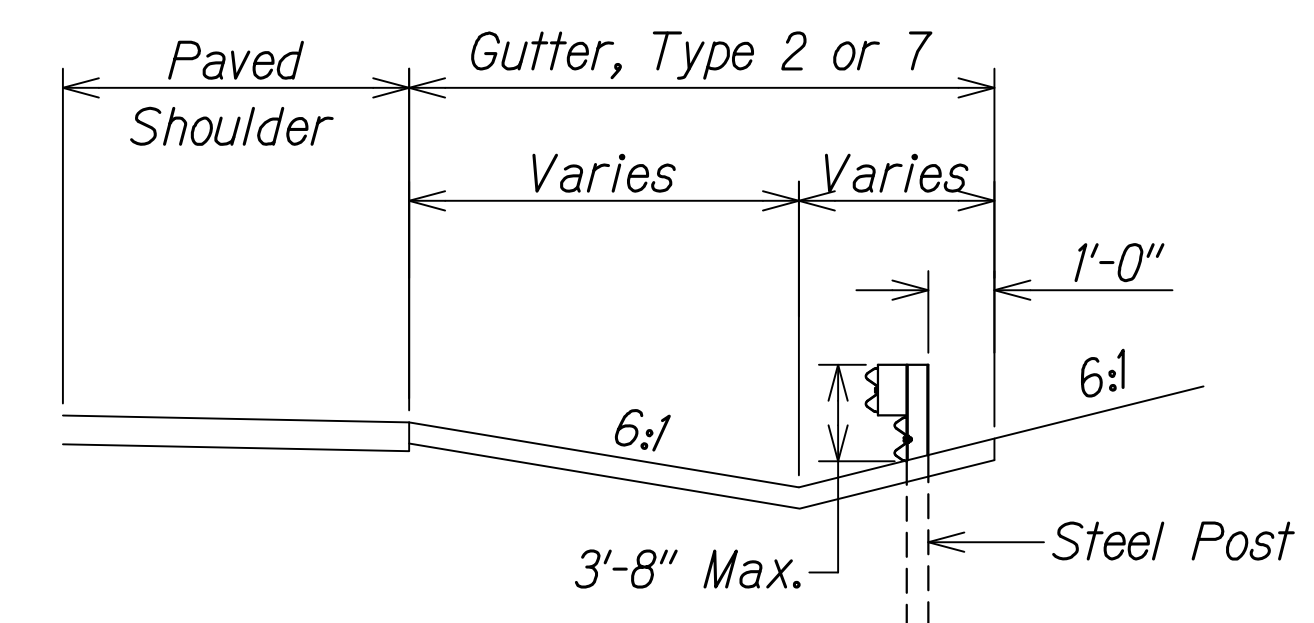
ELEVATION (Profile Along Rail)



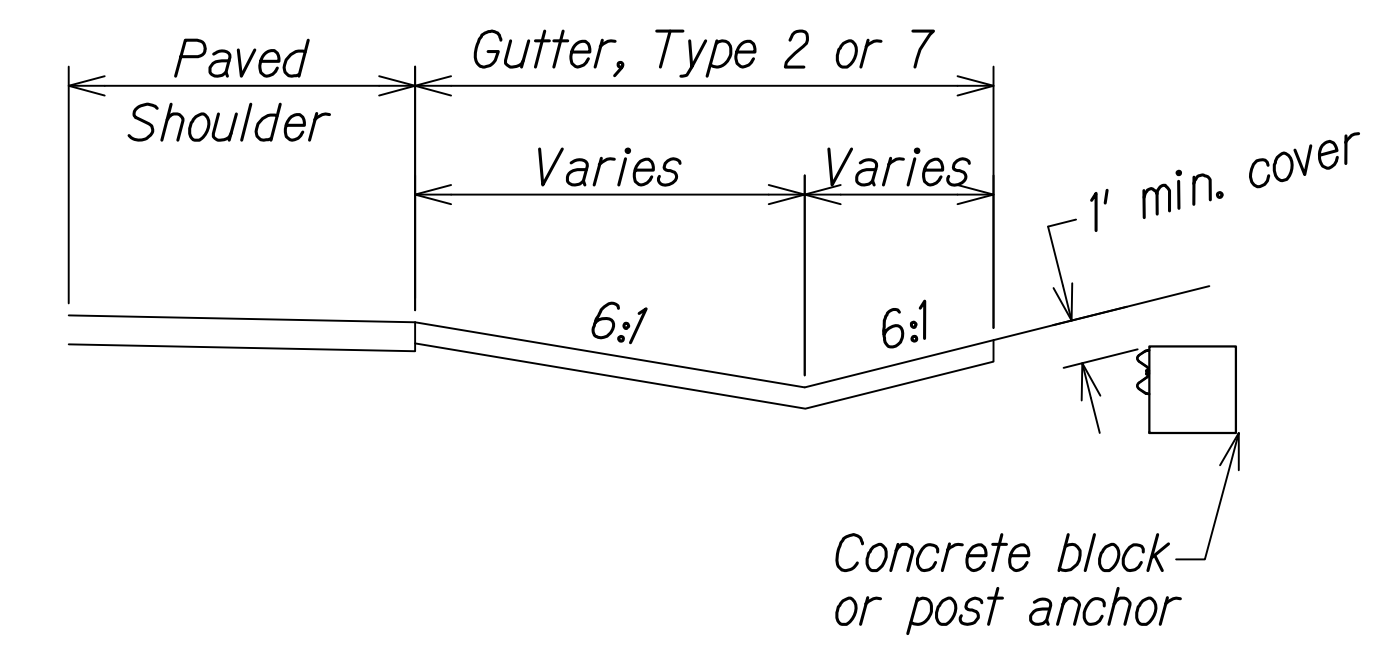
Section A-A



Section B-B
(With Rubrail)



Section C-C
(With Rubrail)



Concrete block or post anchor

BACKSLOPE ANCHOR TERMINAL (WITH 6:1 PAVED GUTTER AND TYPE "A" FLARE)

General Notes

1. A 6:1 or flatter slope is desirable. 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.

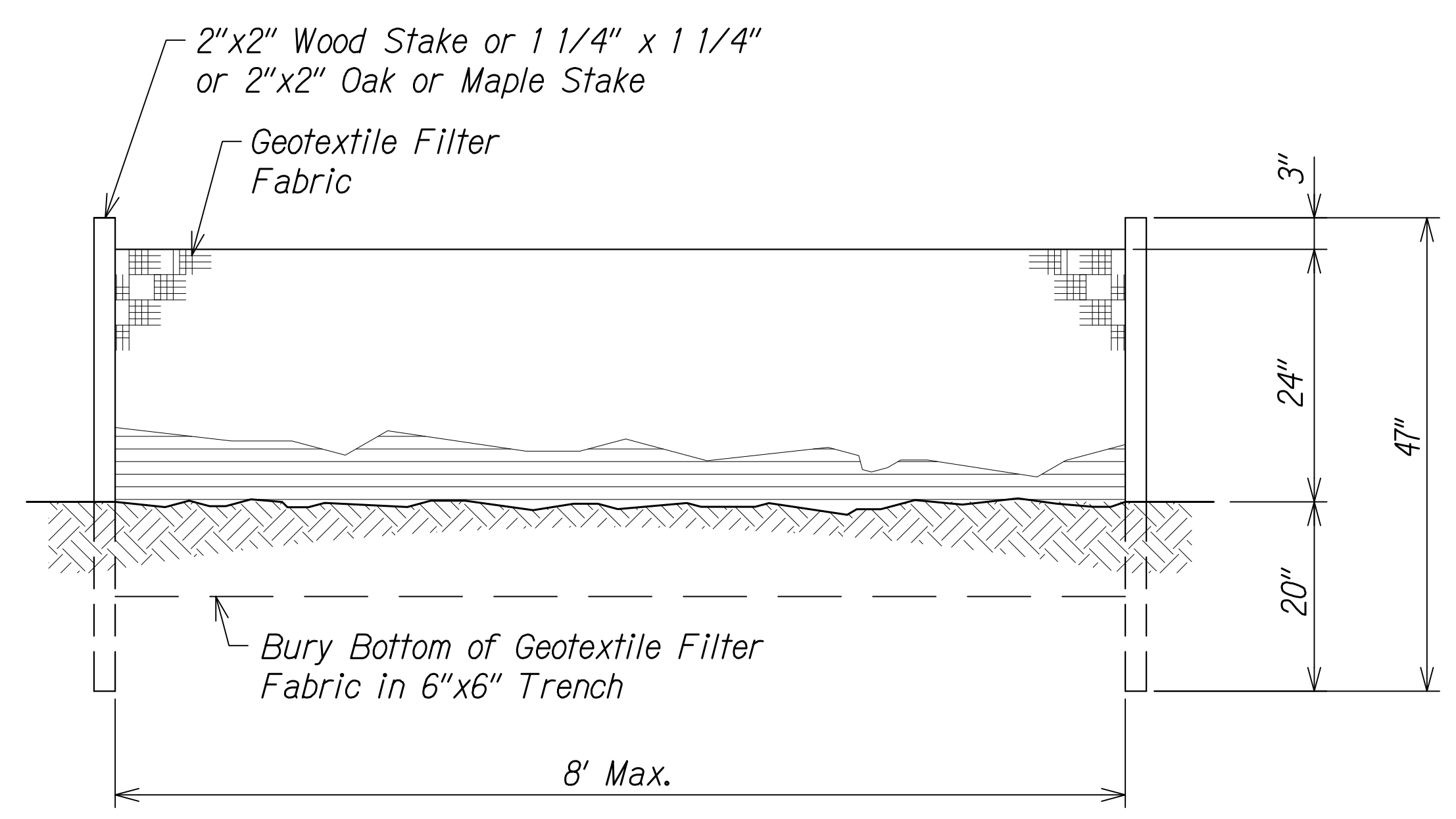
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	



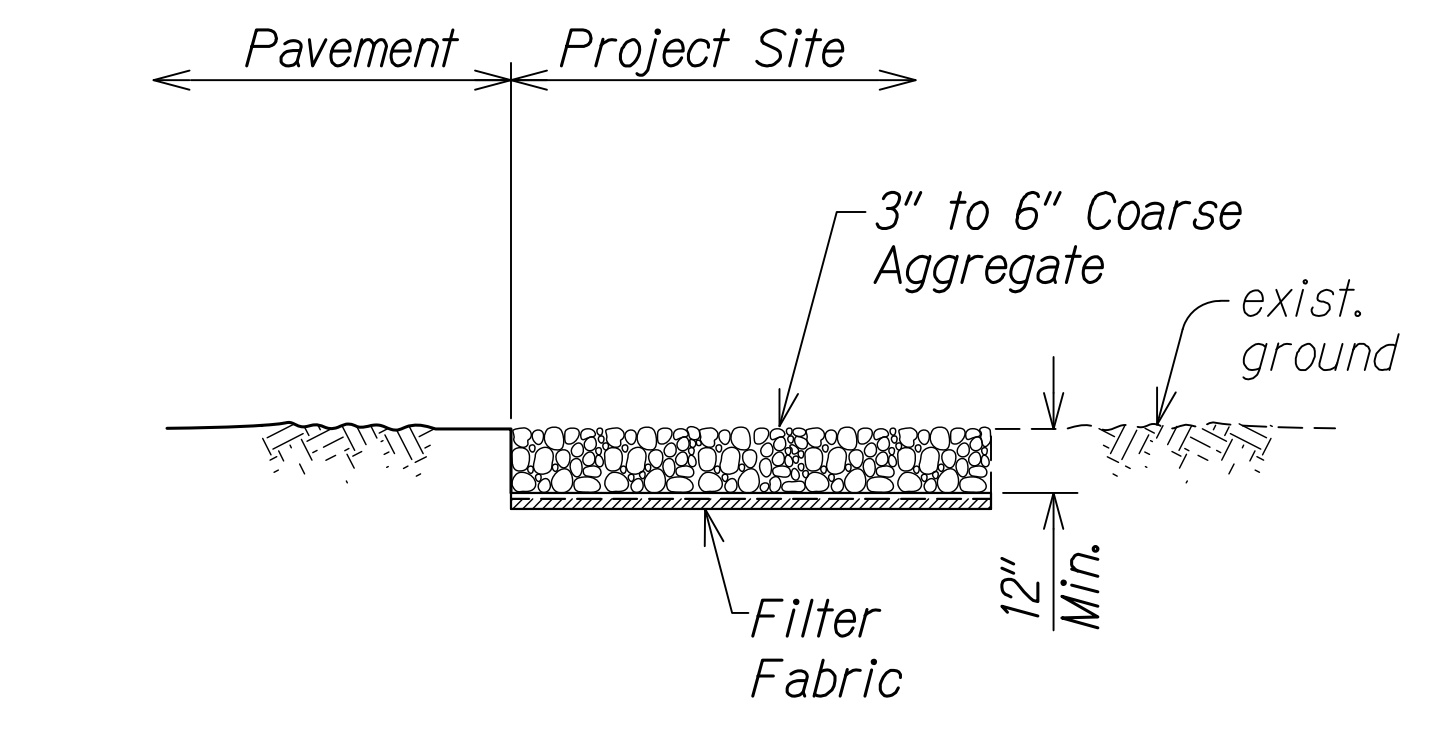
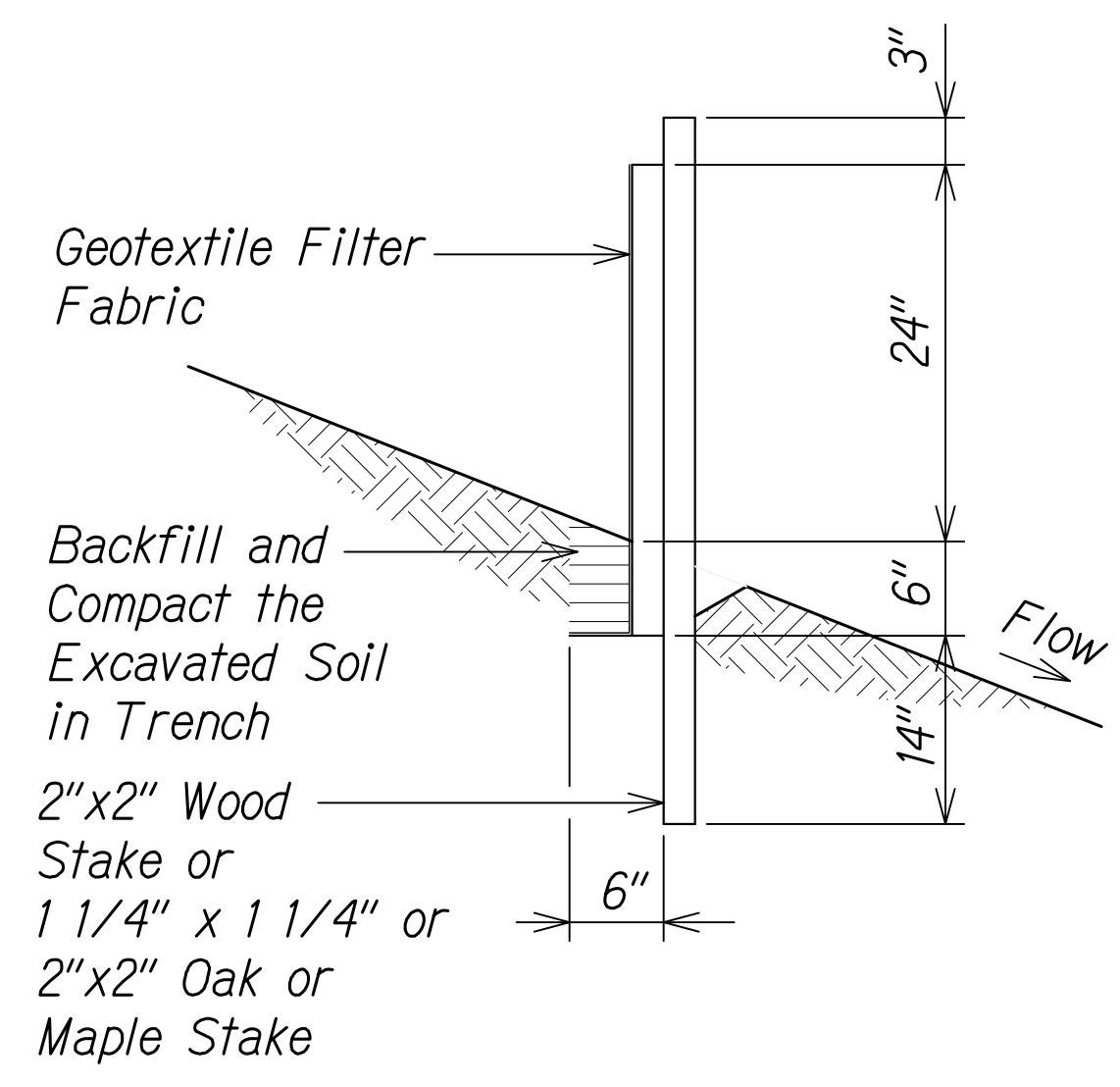
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GUARDRAIL DETAILS
 WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: None Date: August 2022
 SHEET No. 6 OF 6 SHEETS

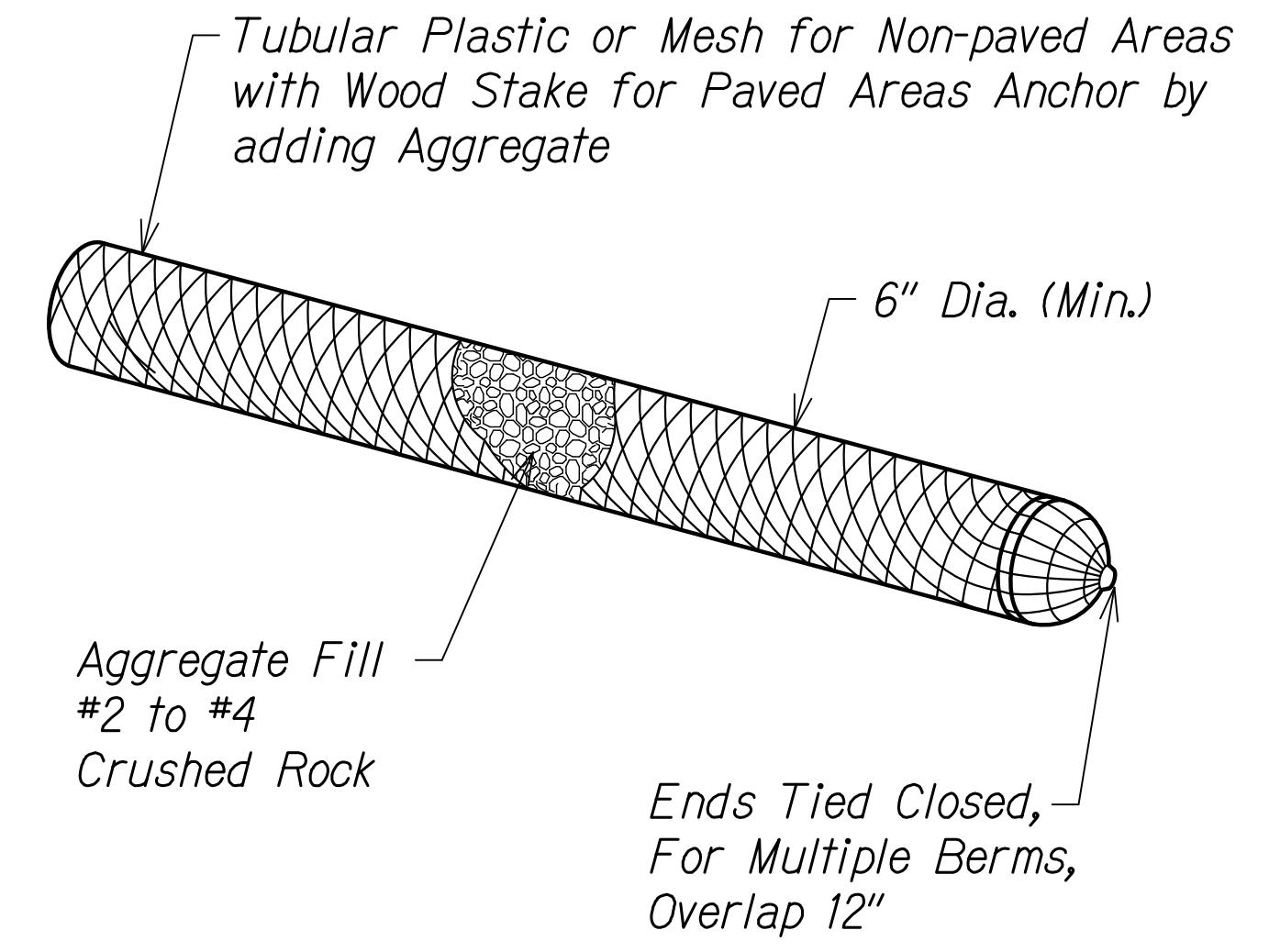
DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	79	127



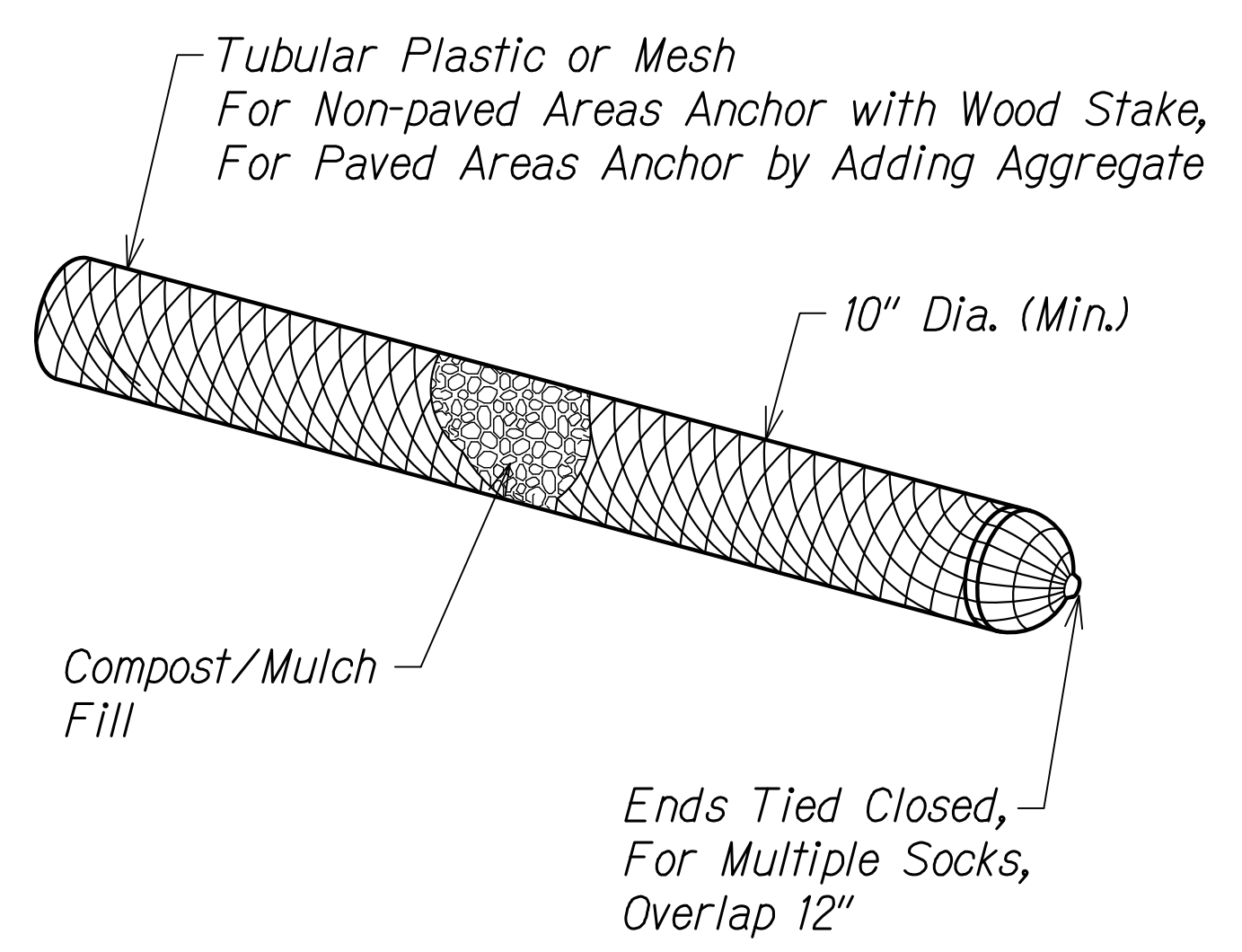
SILT FENCE DETAIL
Not to Scale



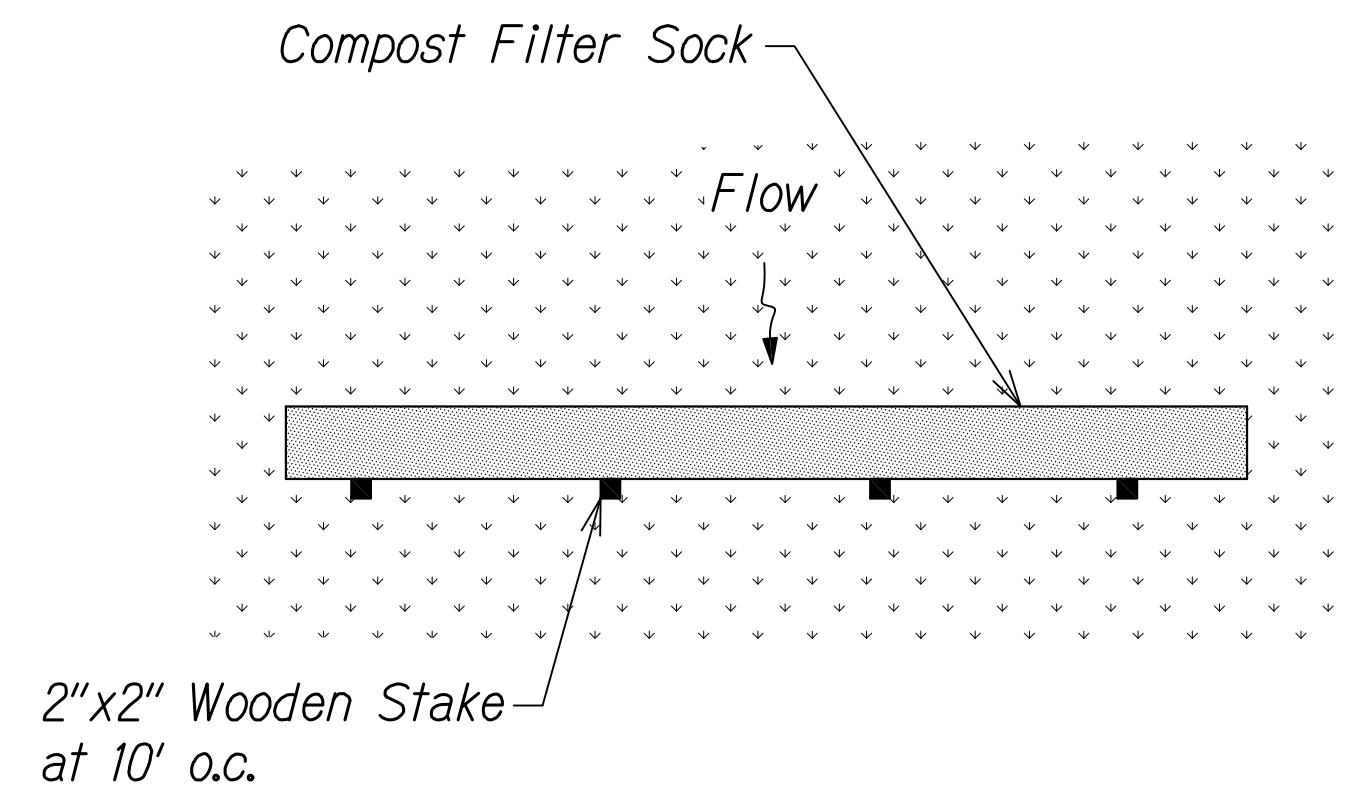
TEMPORARY STABILIZED CONSTRUCTION INGRESS/EGRESS
Not to Scale



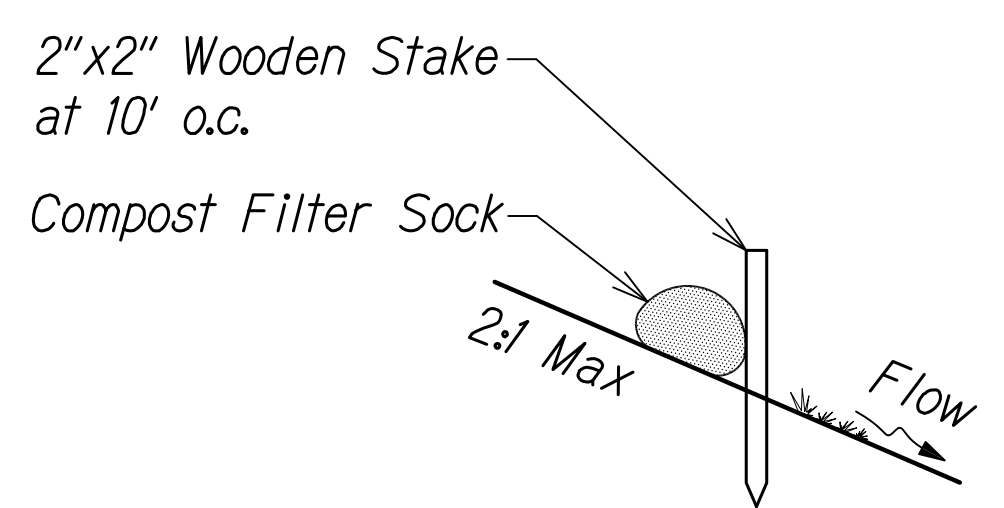
AGGREGATE FILTER BAG
Not to Scale



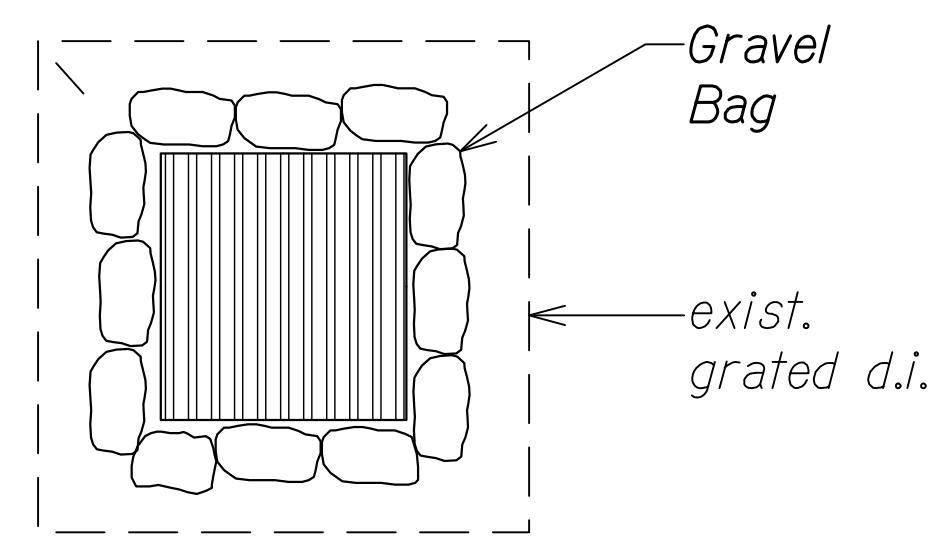
COMPOST FILTER SOCK
Not to Scale



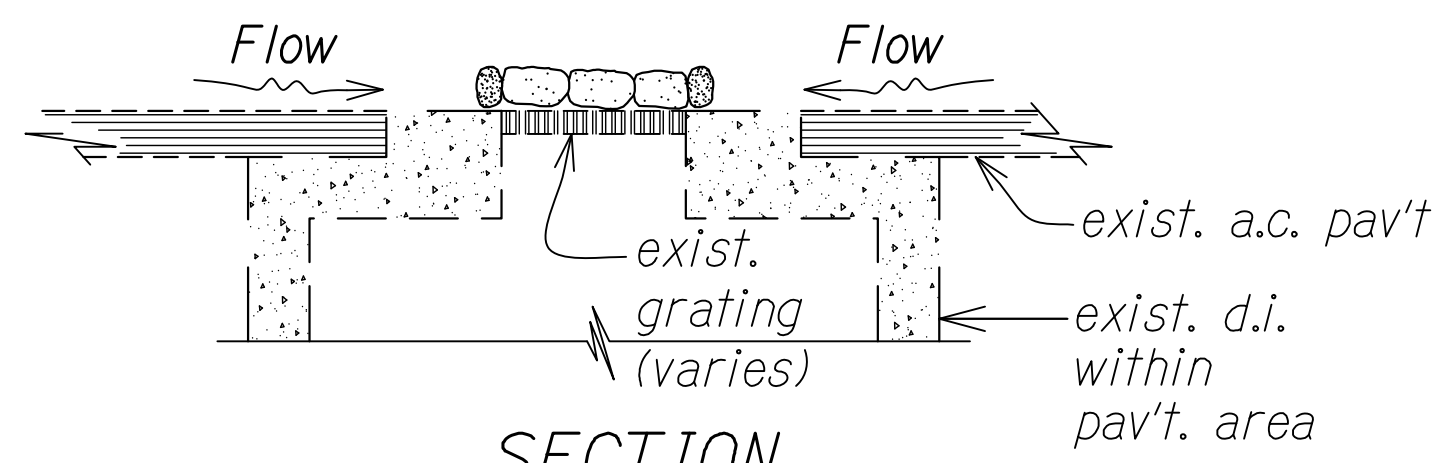
PLAN



SECTION



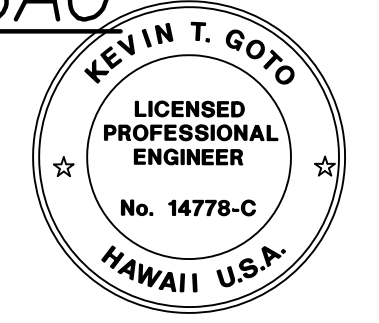
PLAN VIEW



SECTION

SAND OR GRAVEL BAGS AT GRATED DRAIN INLET
Not to Scale

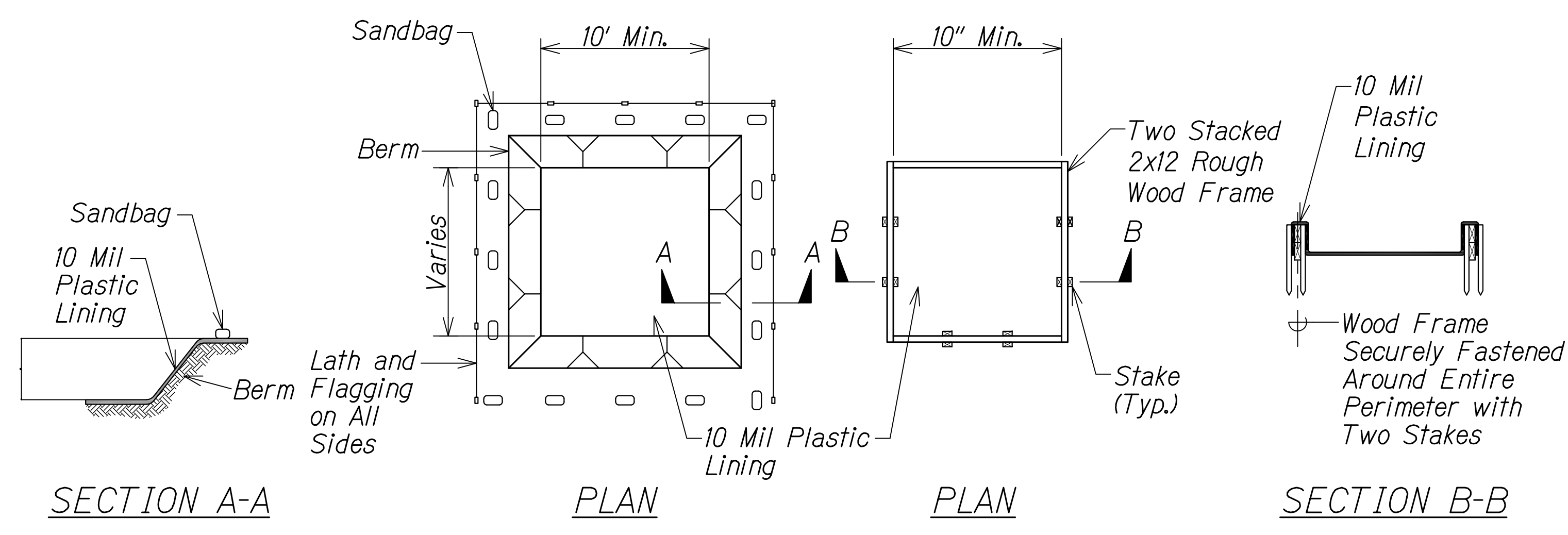
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



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STATE OF HAWAII
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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

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	80	127



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)

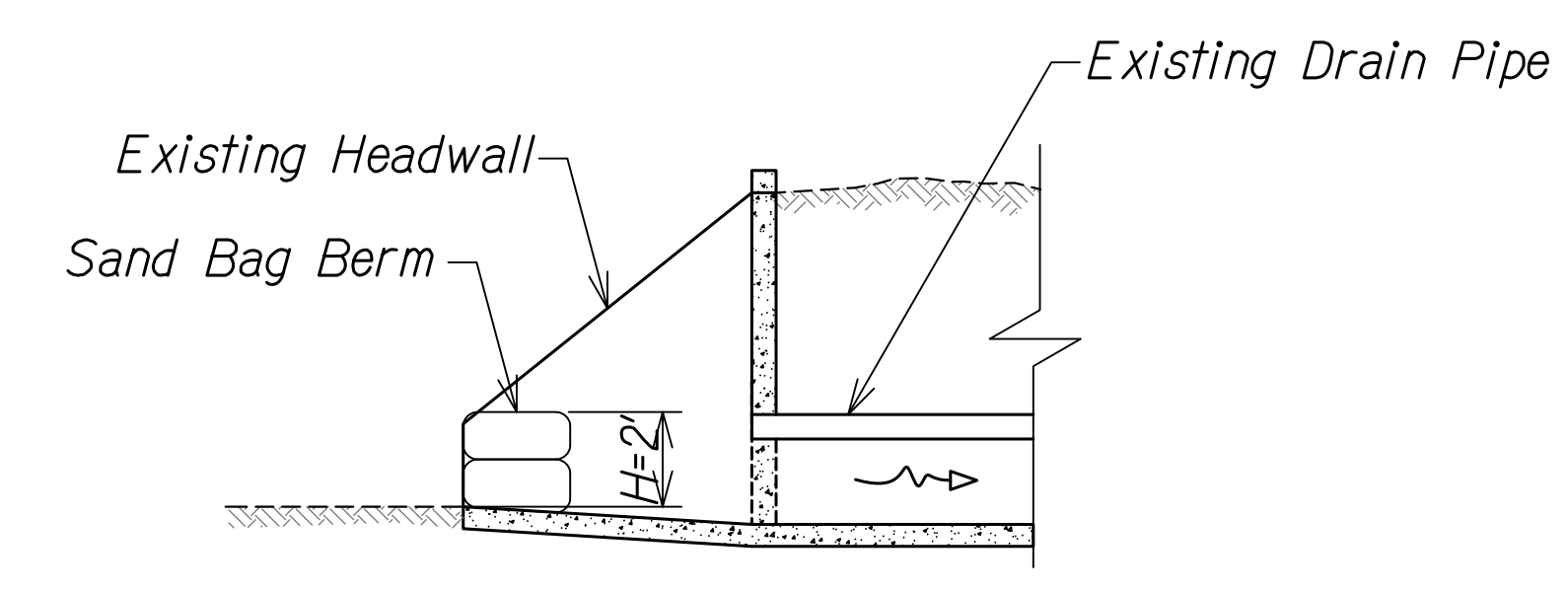
Notes:
 1. Actual layout determined in field.
 2. The concrete washout sign shall be installed within 30 feet of the temporary concrete washout facility.

CONCRETE VEHICLE WASH AREA
(ABOVE GRADE)

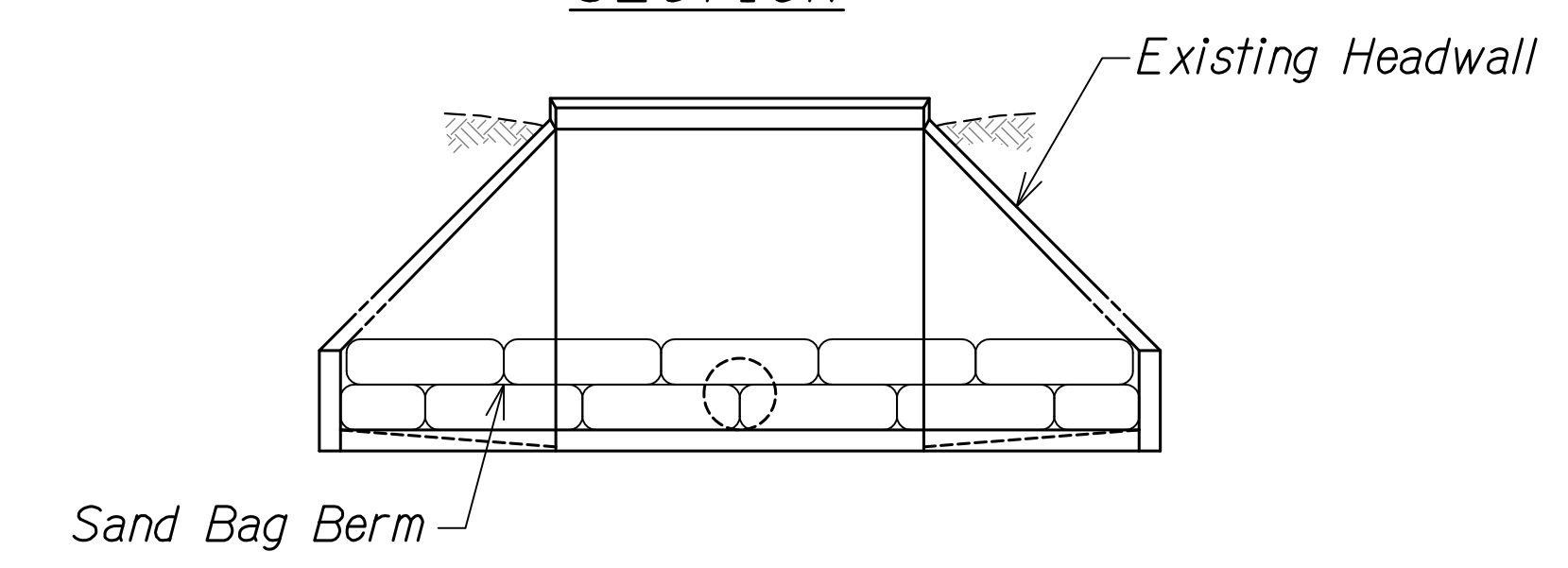
WASHDOWN BASIN DETAIL

Not to Scale

- Notes:**
- Dust screen barrier to be "geotextile" or "nursery shade".
 - Burlap is not acceptable as the dust screen barrier.
 - Cloth to have no horizontal seams.
 - Vertical seams to be made over uprights only.
 - All joints to be securely fastened by mechanical means.



SECTION

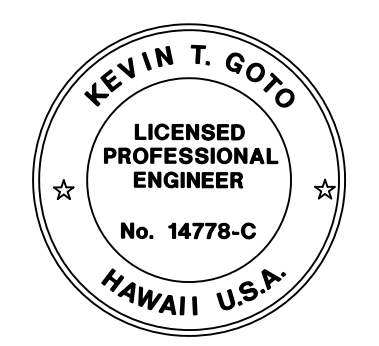


ELEVATION

DRAIN PROTECTION AT CULVERT

Not to Scale

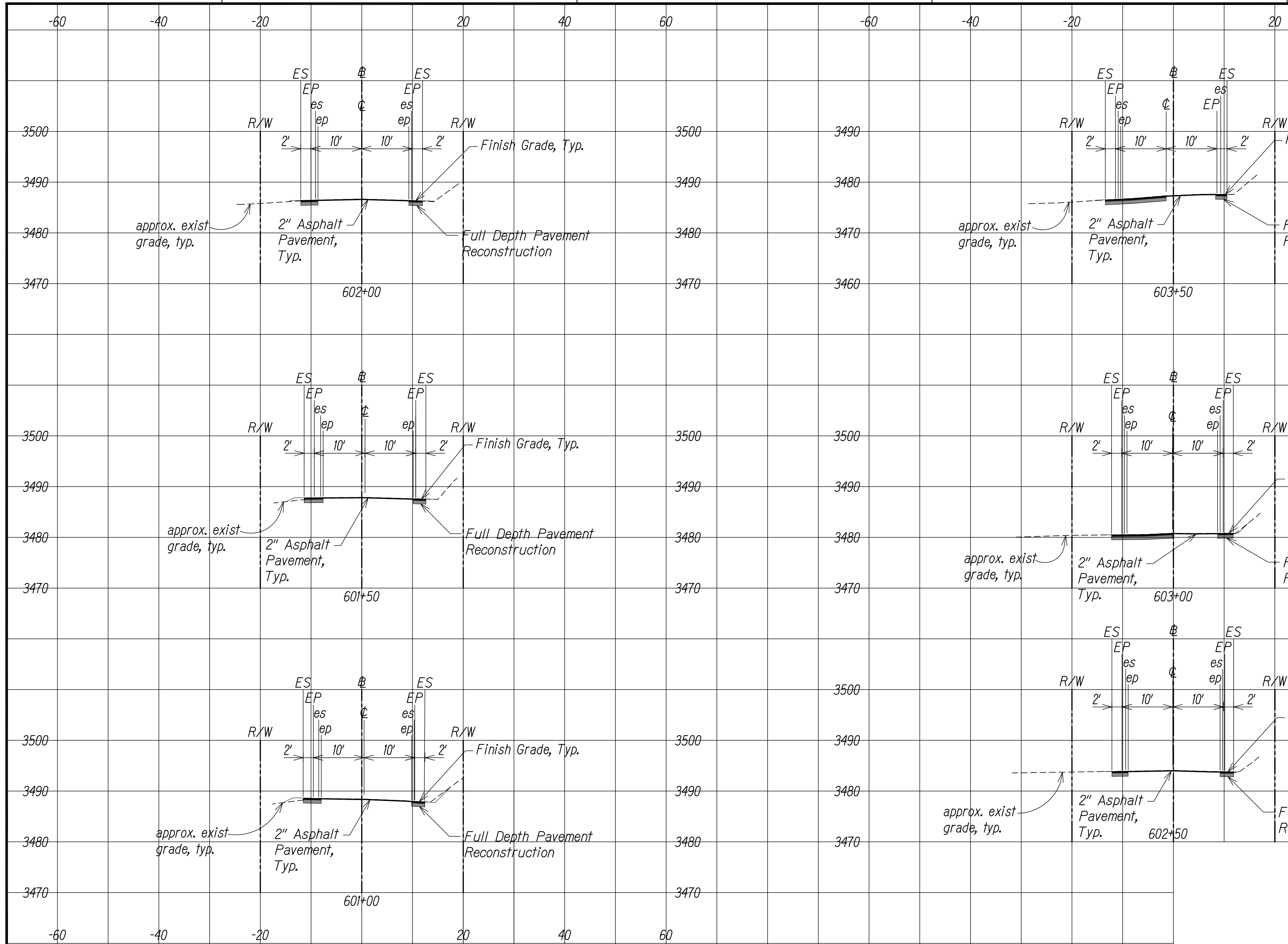
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK No.	



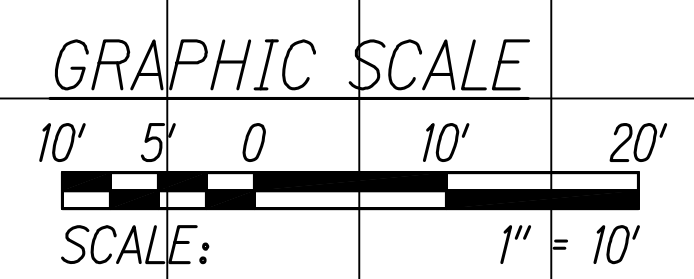
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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
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EROSION CONTROL
DETAILS
 WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)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

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	81	127



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



KOKEE ROAD
Scale: 1" = 10'



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APRIL 30, 2024
LIC. EXP. DATE

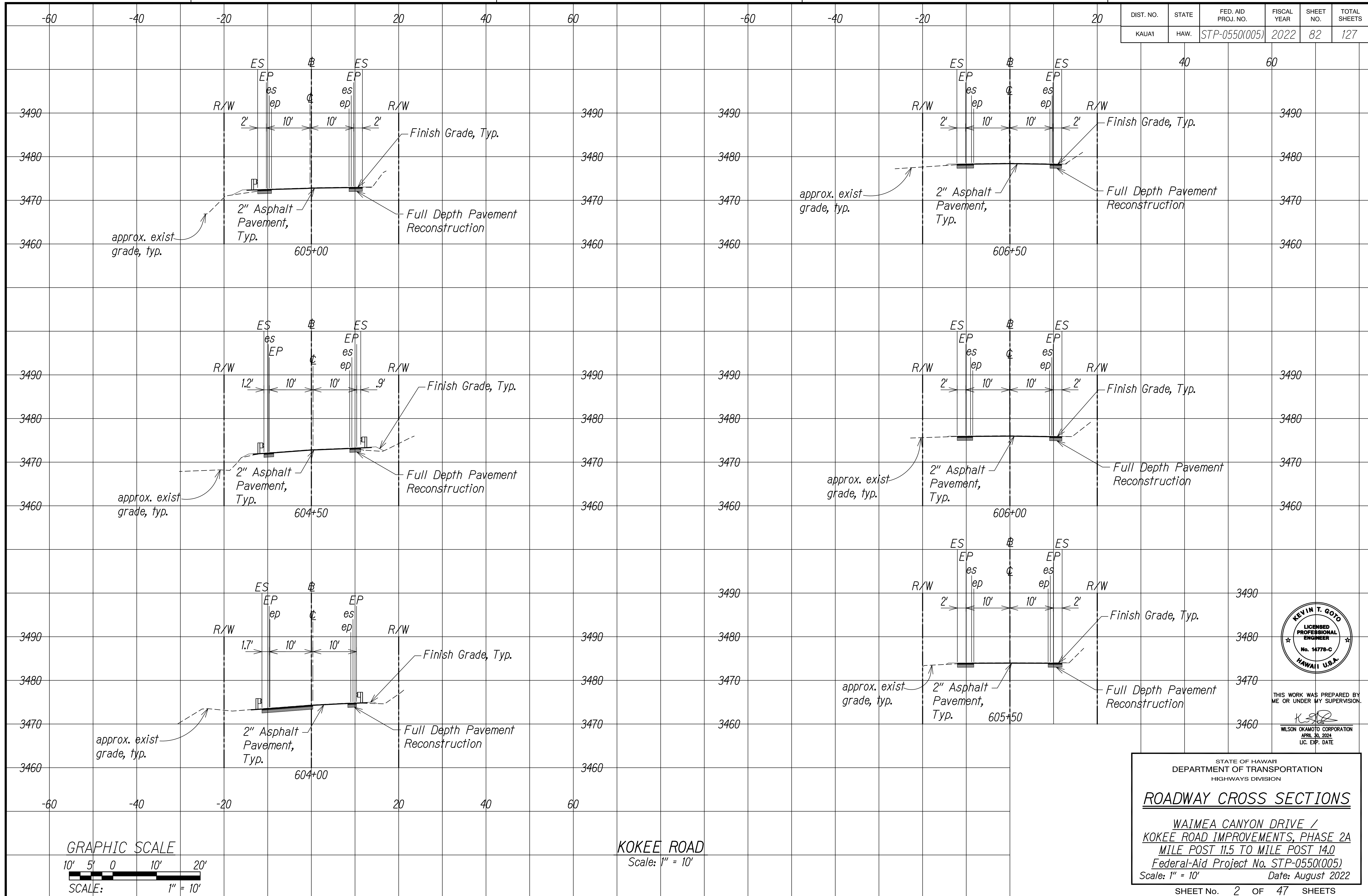
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

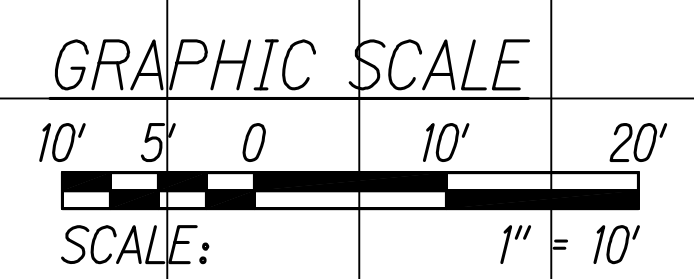
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 1 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	82	127



SURVEY PLOTTED BY	DATE
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TRACED BY	
DESIGNED BY	
QUANTITIES BY	
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NO.	



KOKEE ROAD
Scale: 1" = 10'



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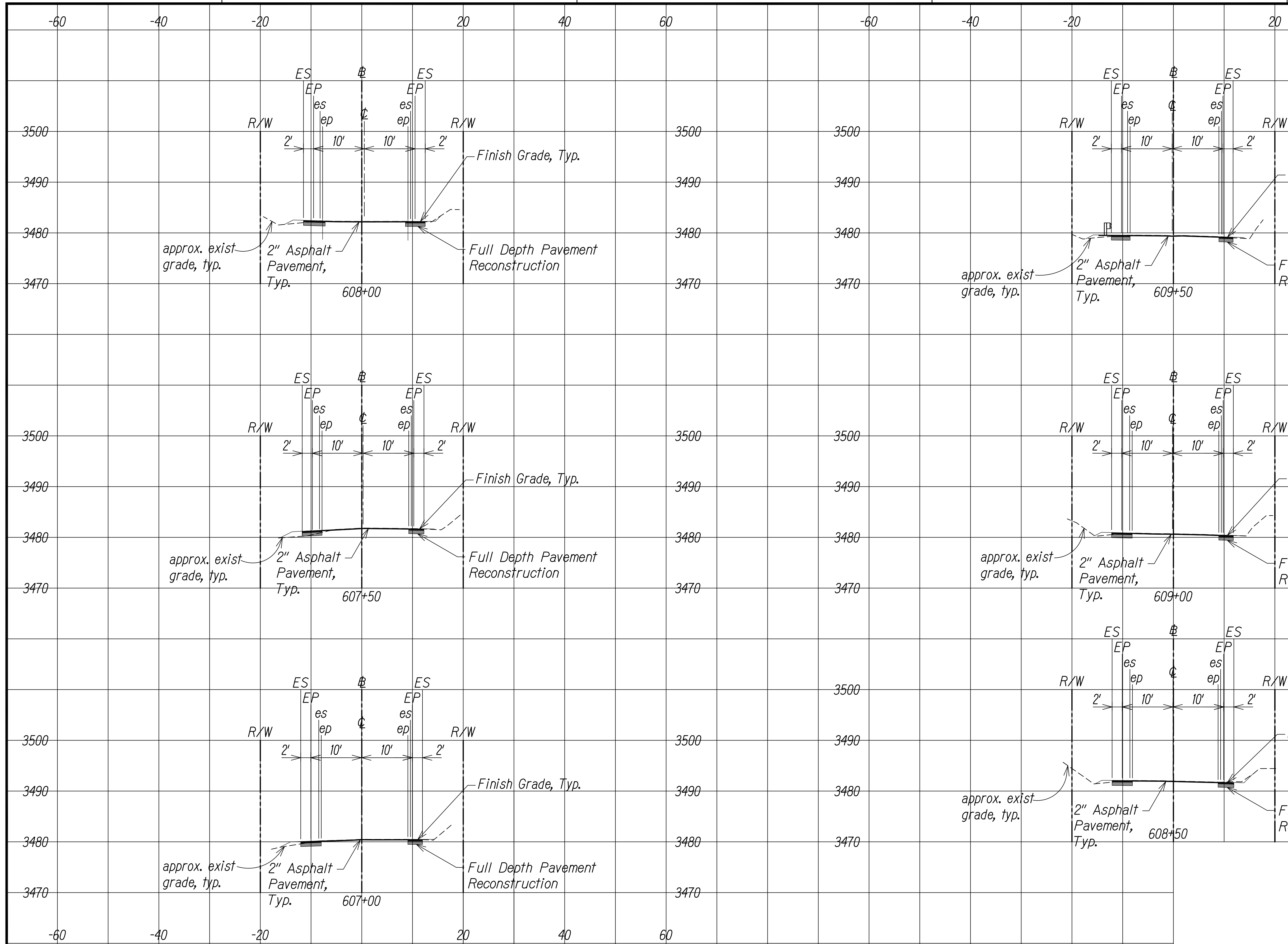
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

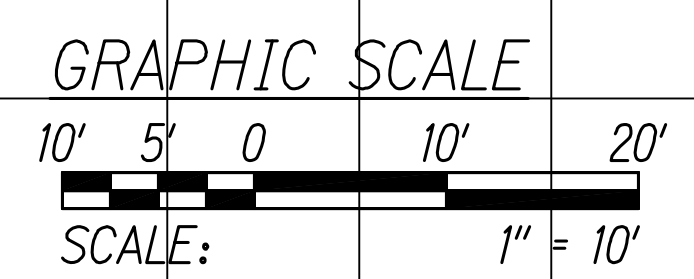
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 2 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	83	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



KOKEE ROAD
Scale: 1" = 10'



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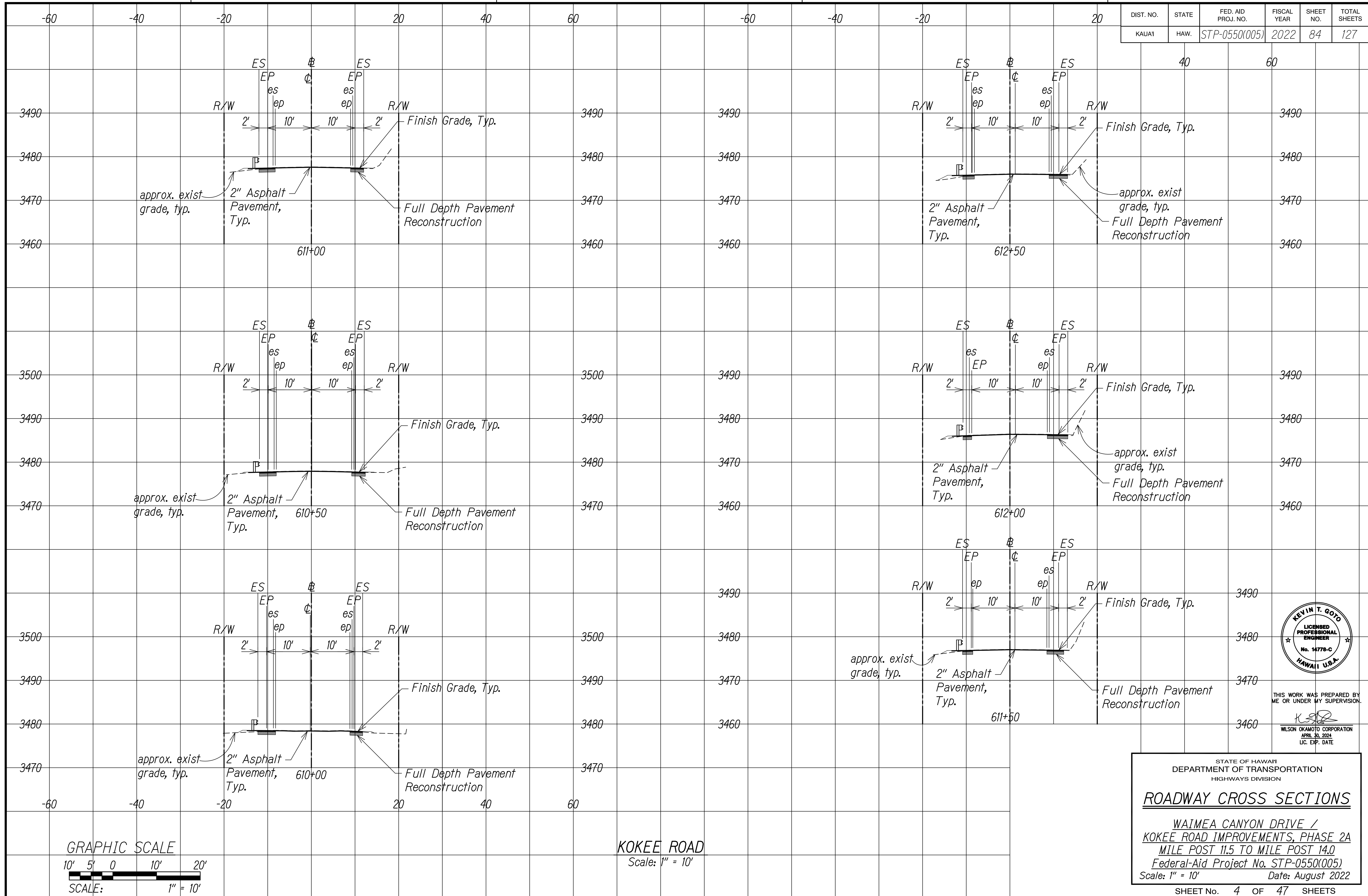
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

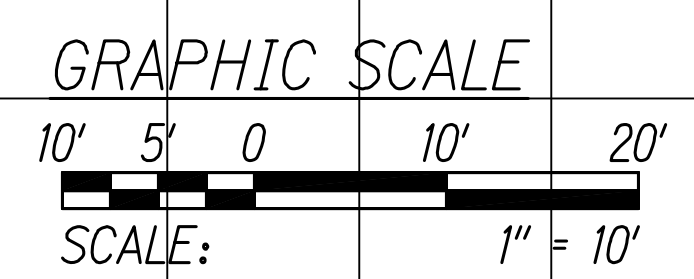
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 3 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	84	127



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



KOKEE ROAD
Scale: 1" = 10'



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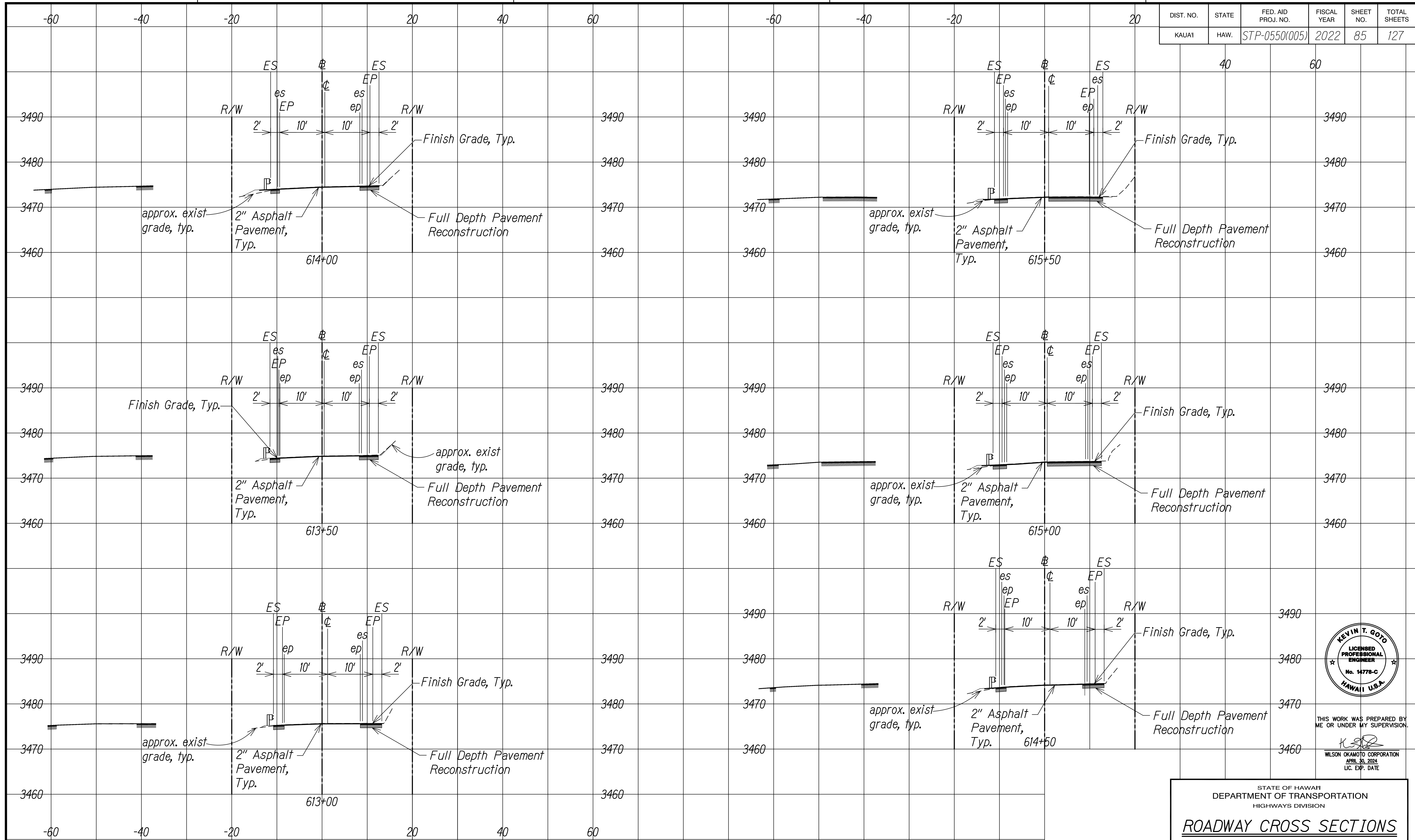
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

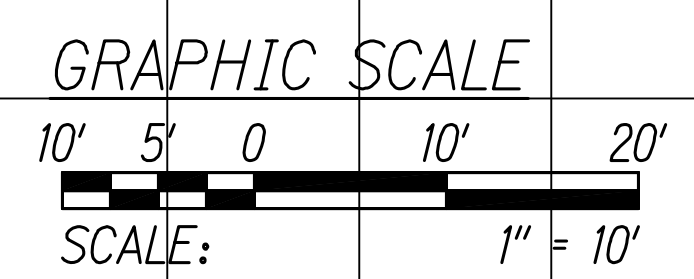
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 4 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	85	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



KOKEE ROAD
Scale: 1" = 10'



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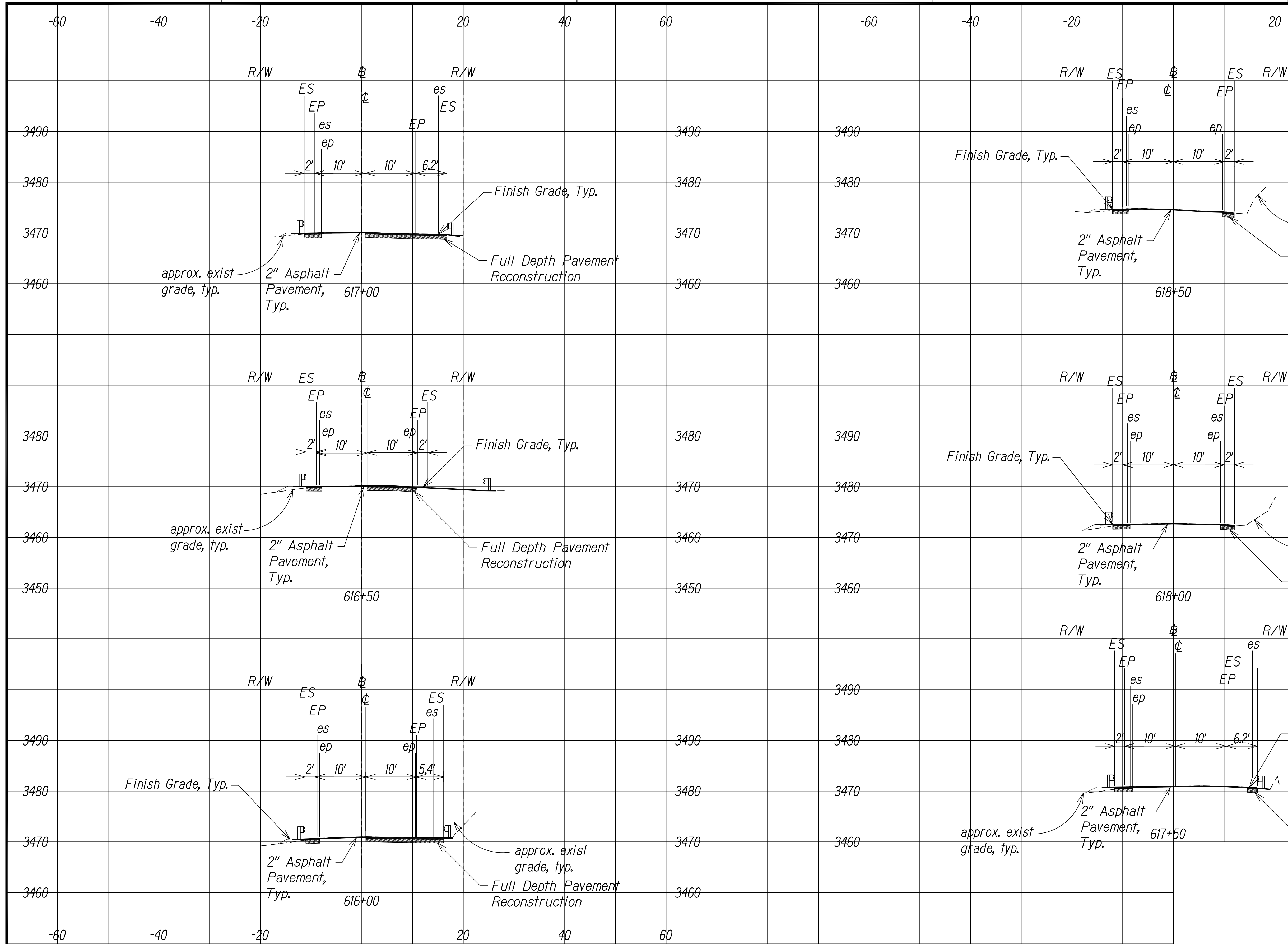
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

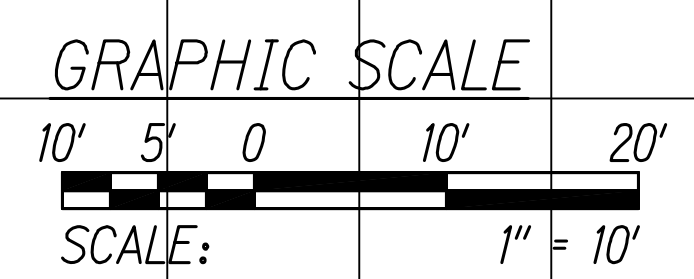
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 5 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	86	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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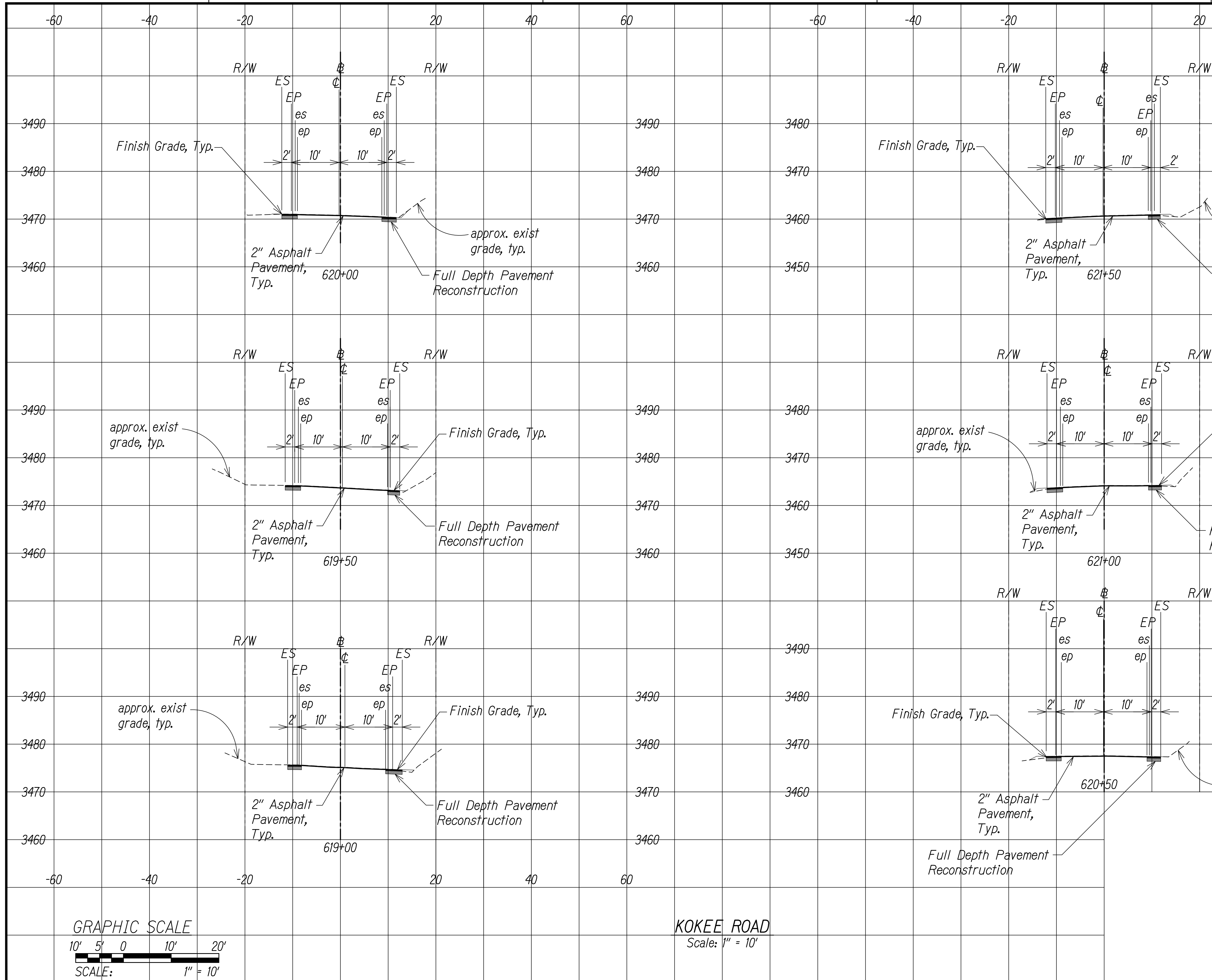
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

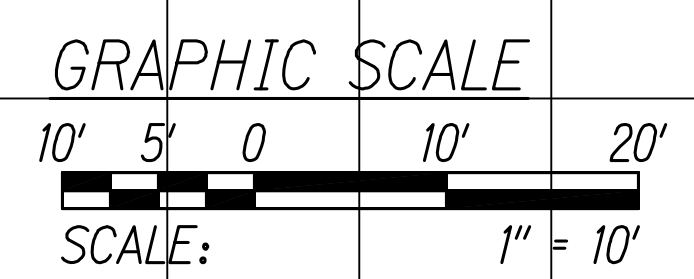
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 6 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	87	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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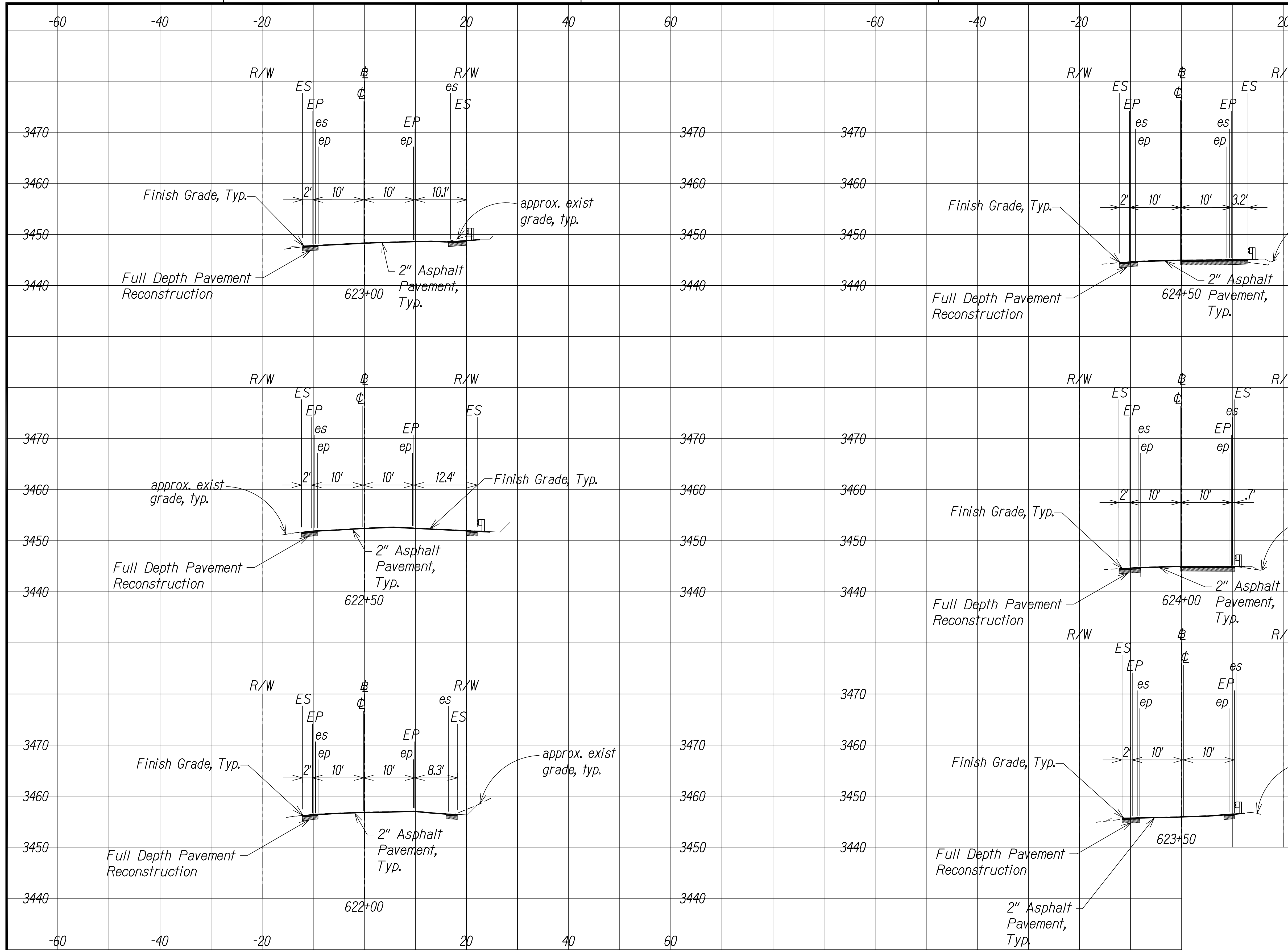
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

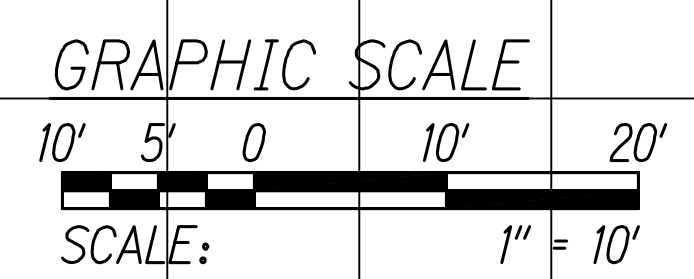
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 7 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	88	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



KOKEE ROAD
Scale: 1" = 10'



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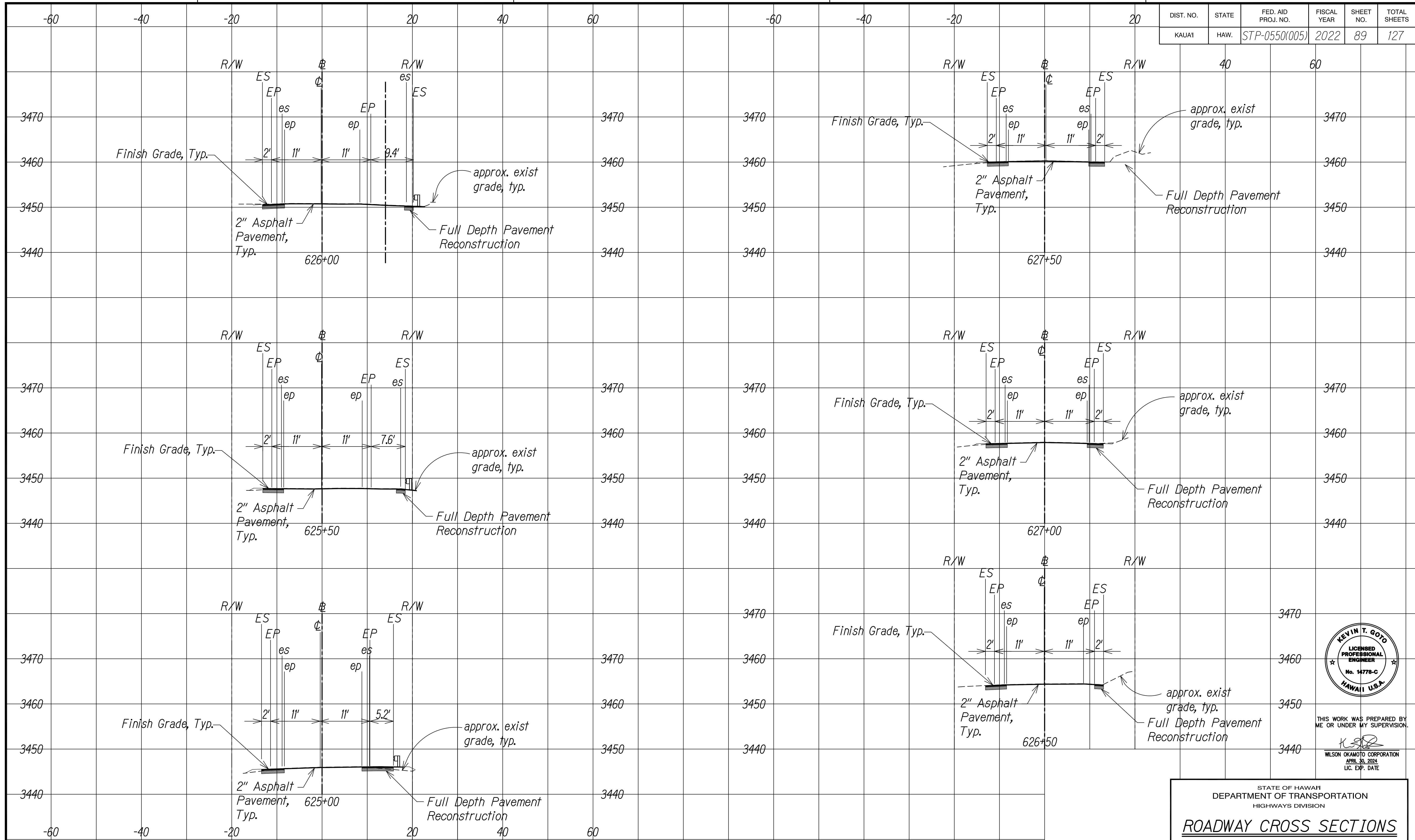
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

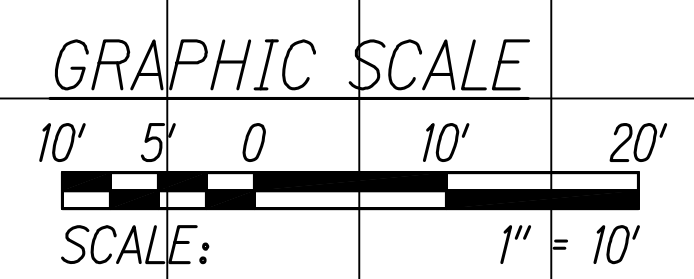
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 8 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	89	127



SURVEY PLOTTED BY	DATE
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DESIGNED BY	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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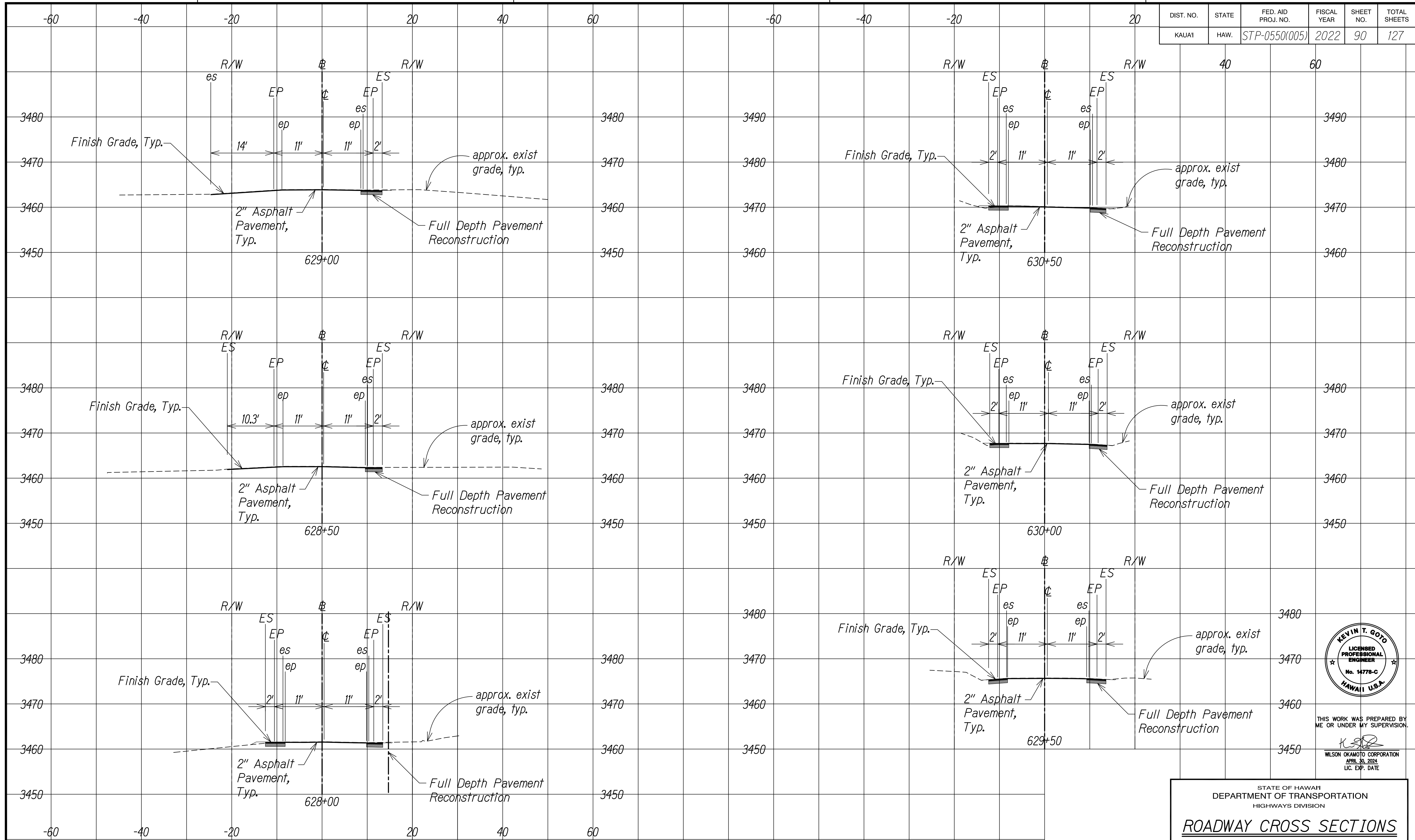
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

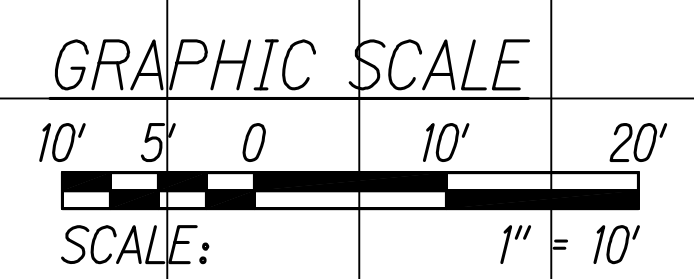
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KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 9 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	90	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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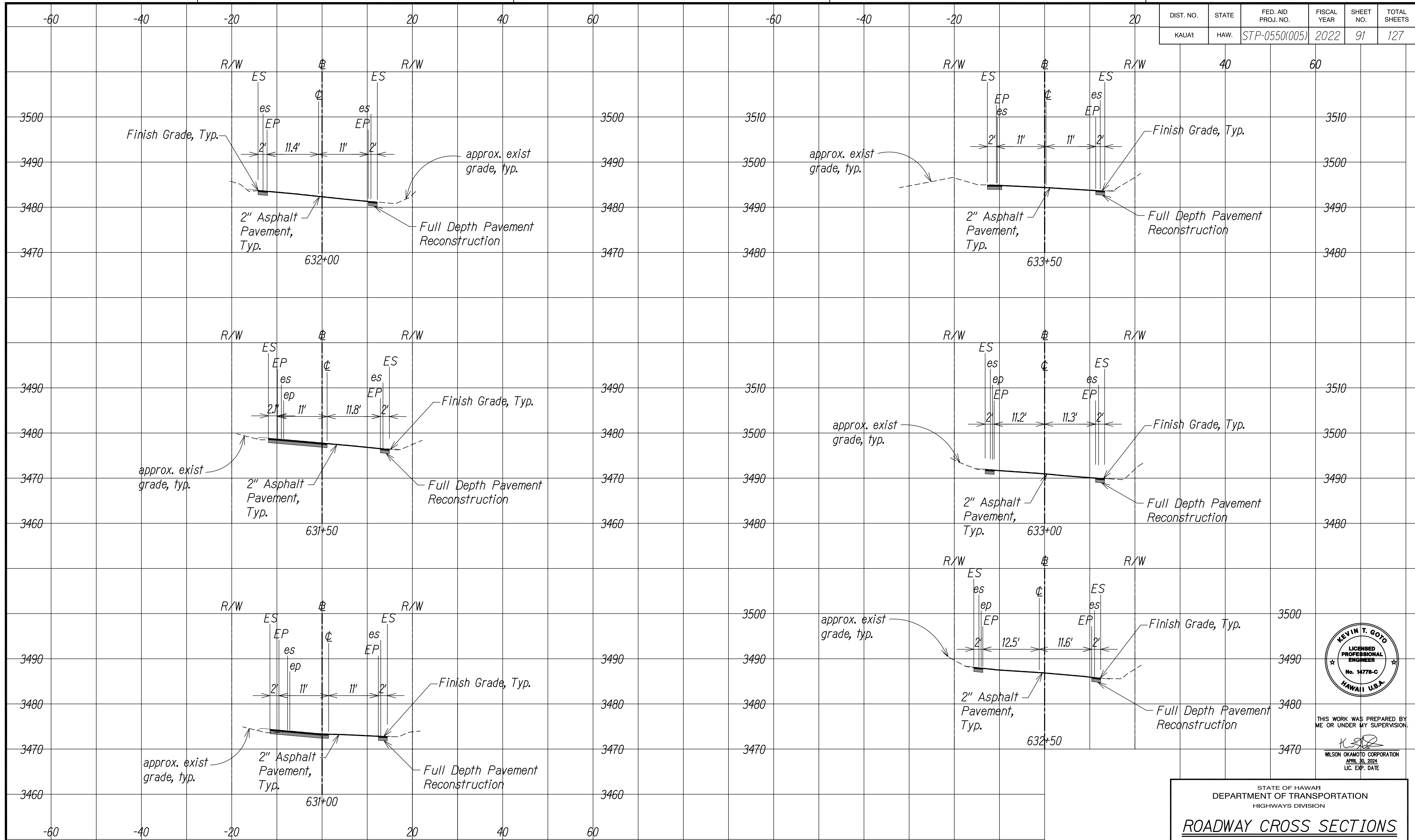
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

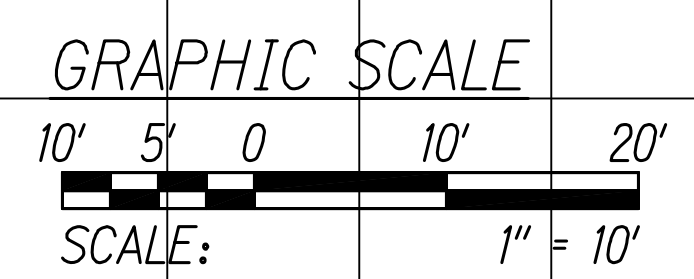
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MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 10 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	91	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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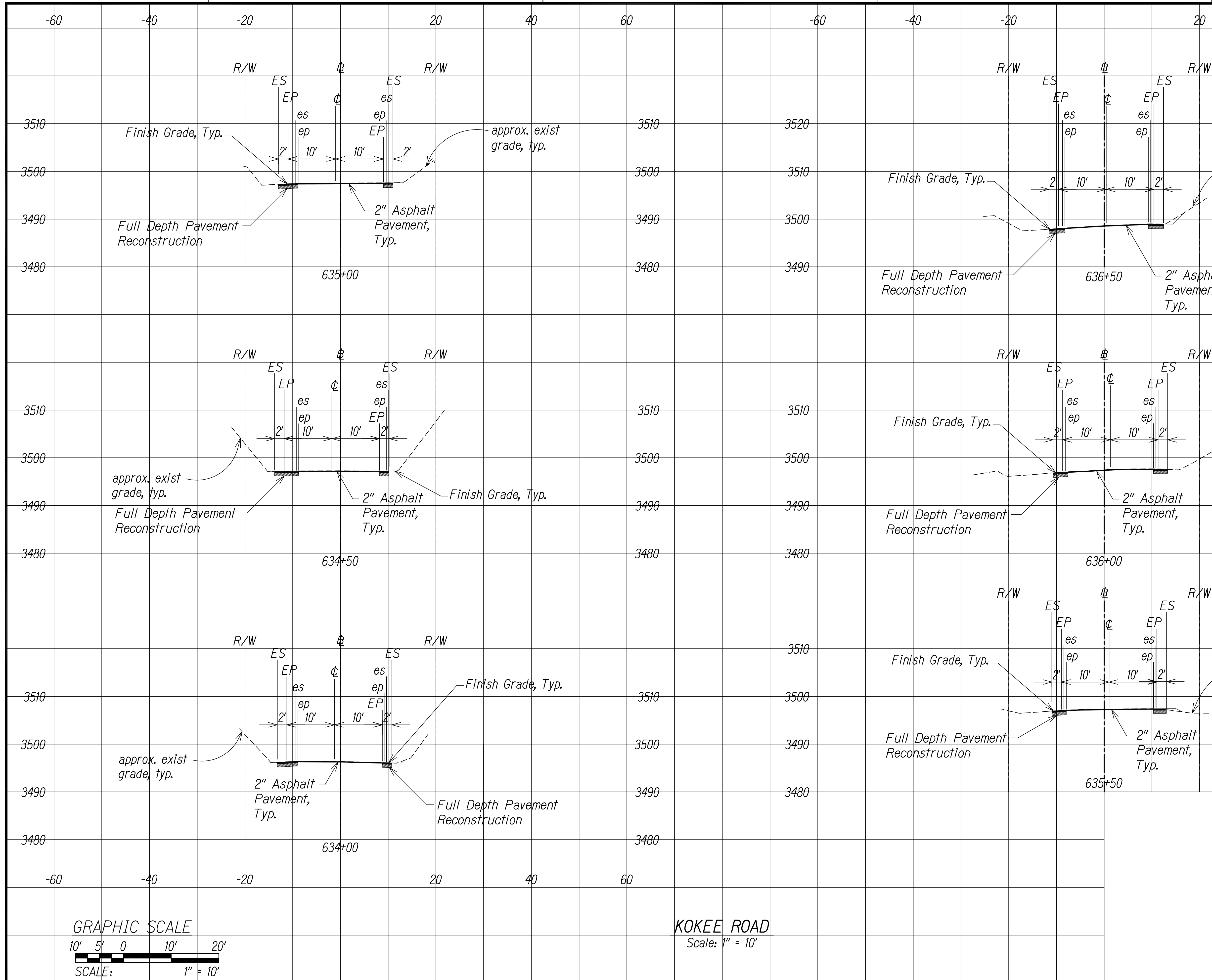
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

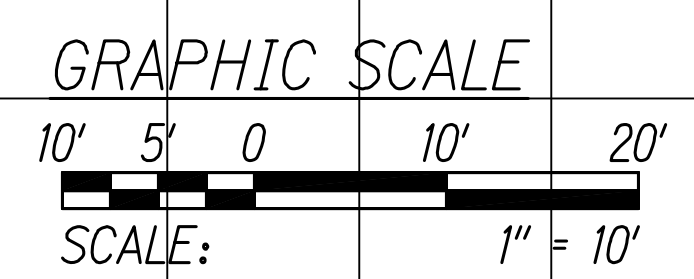
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MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 11 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	92	127



SURVEY PLOTTED BY	DATE
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KOKEE ROAD
Scale: 1" = 10'



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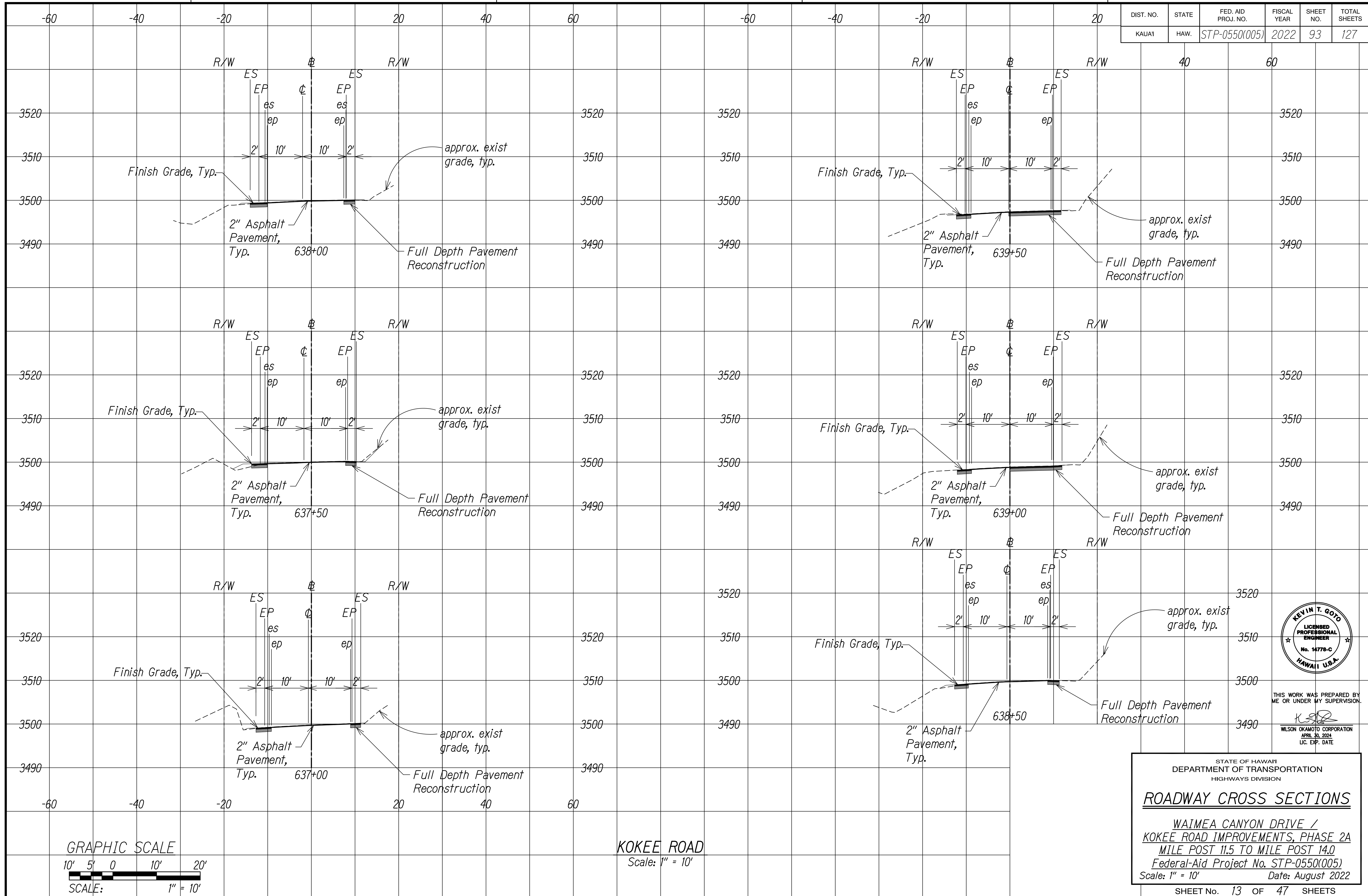
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

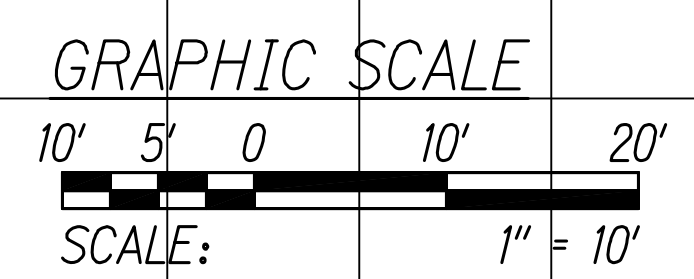
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 12 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	93	127



SURVEY PLOTTED BY	DATE
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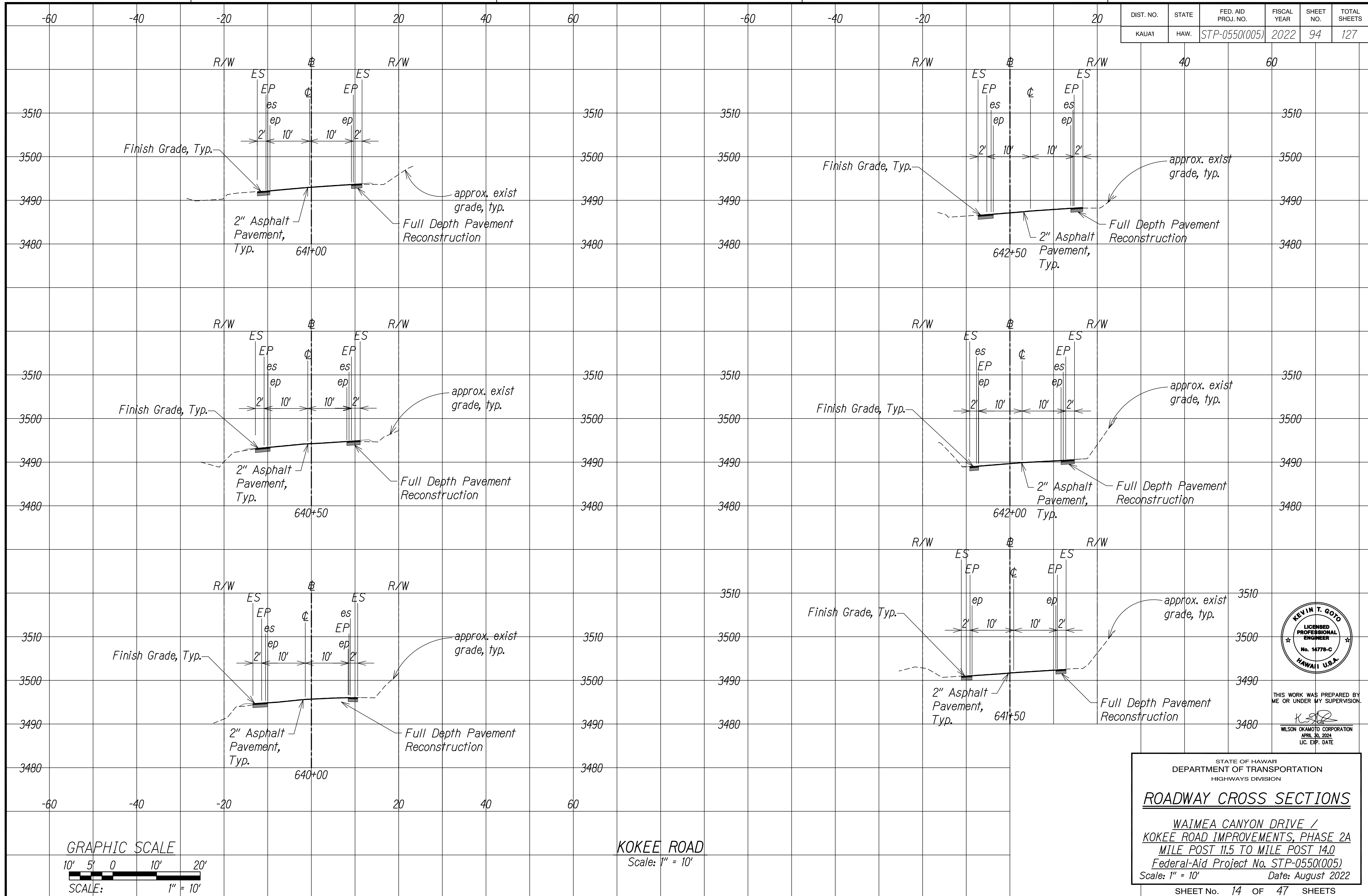
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

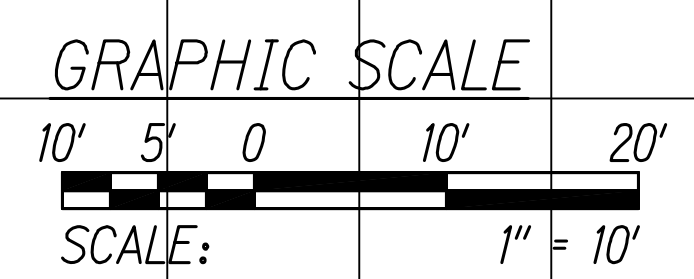
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KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 13 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	94	127



SURVEY PLOTTED BY	DATE
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DESIGNED BY	
QUANTITIES BY	
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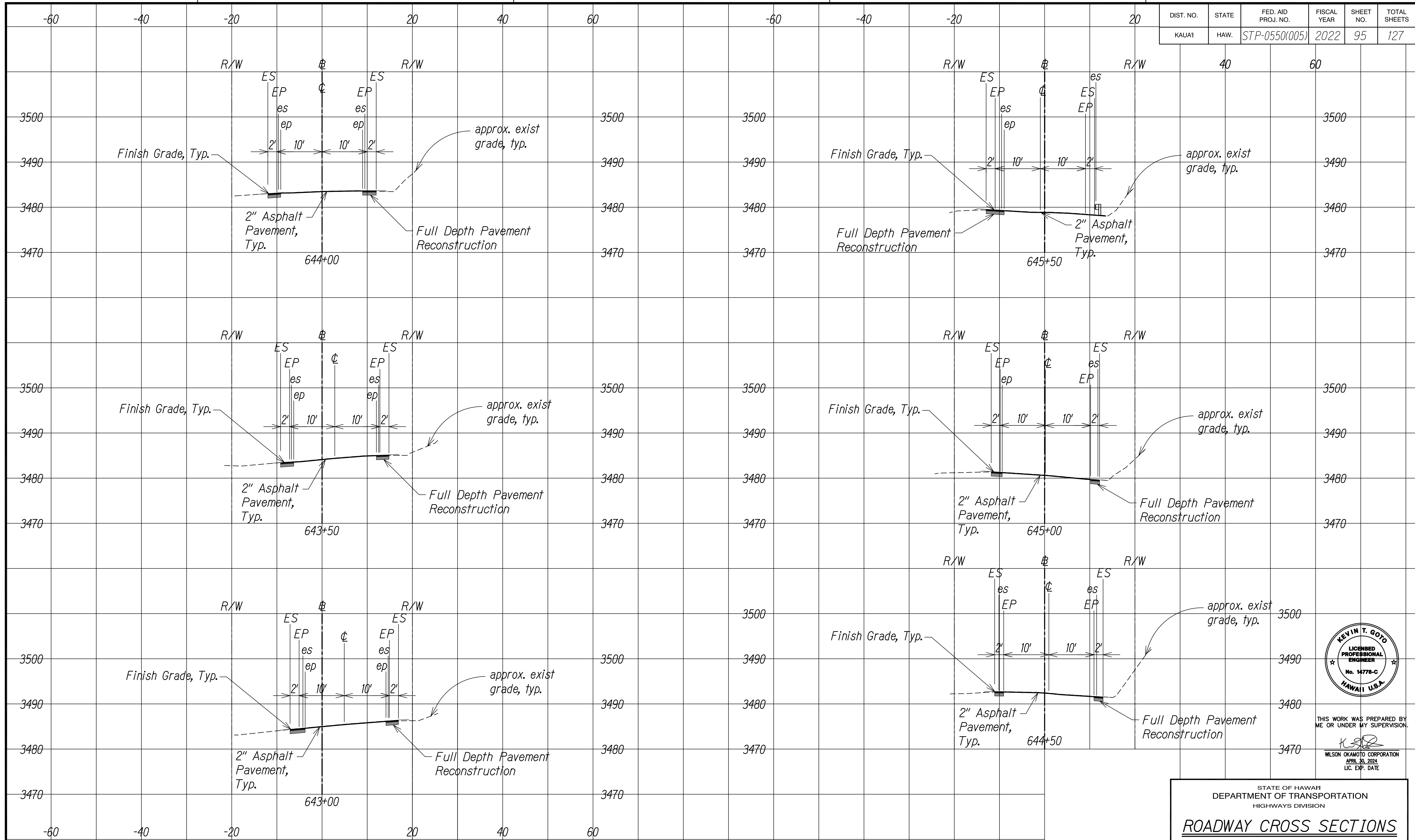
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

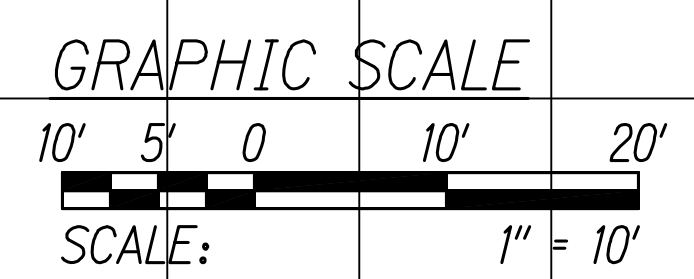
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KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 14 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	95	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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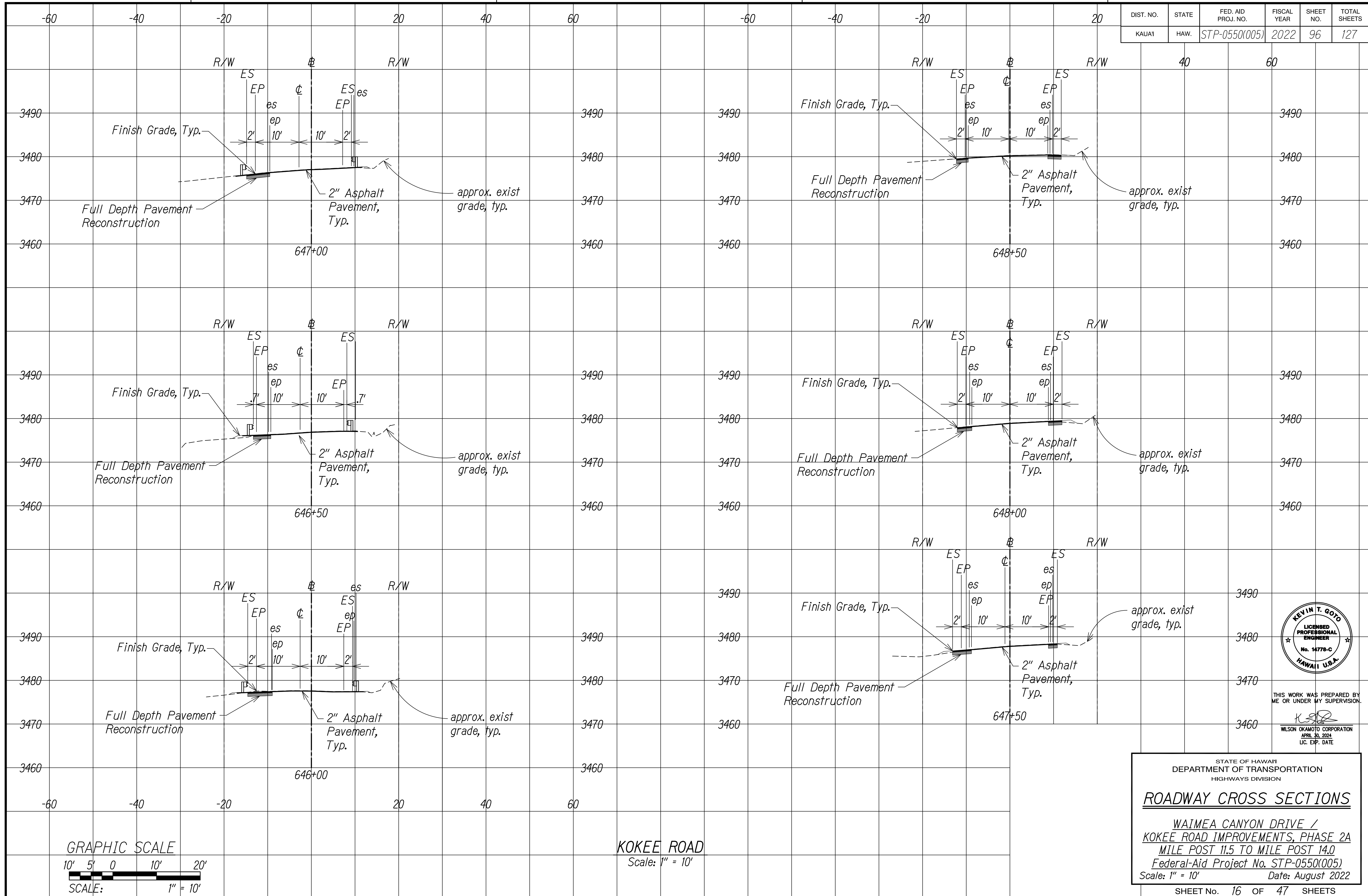
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

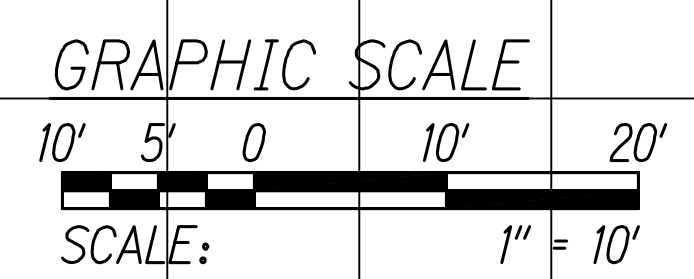
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KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 15 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	96	127



SURVEY PLOTTED BY	DATE
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DESIGNED BY	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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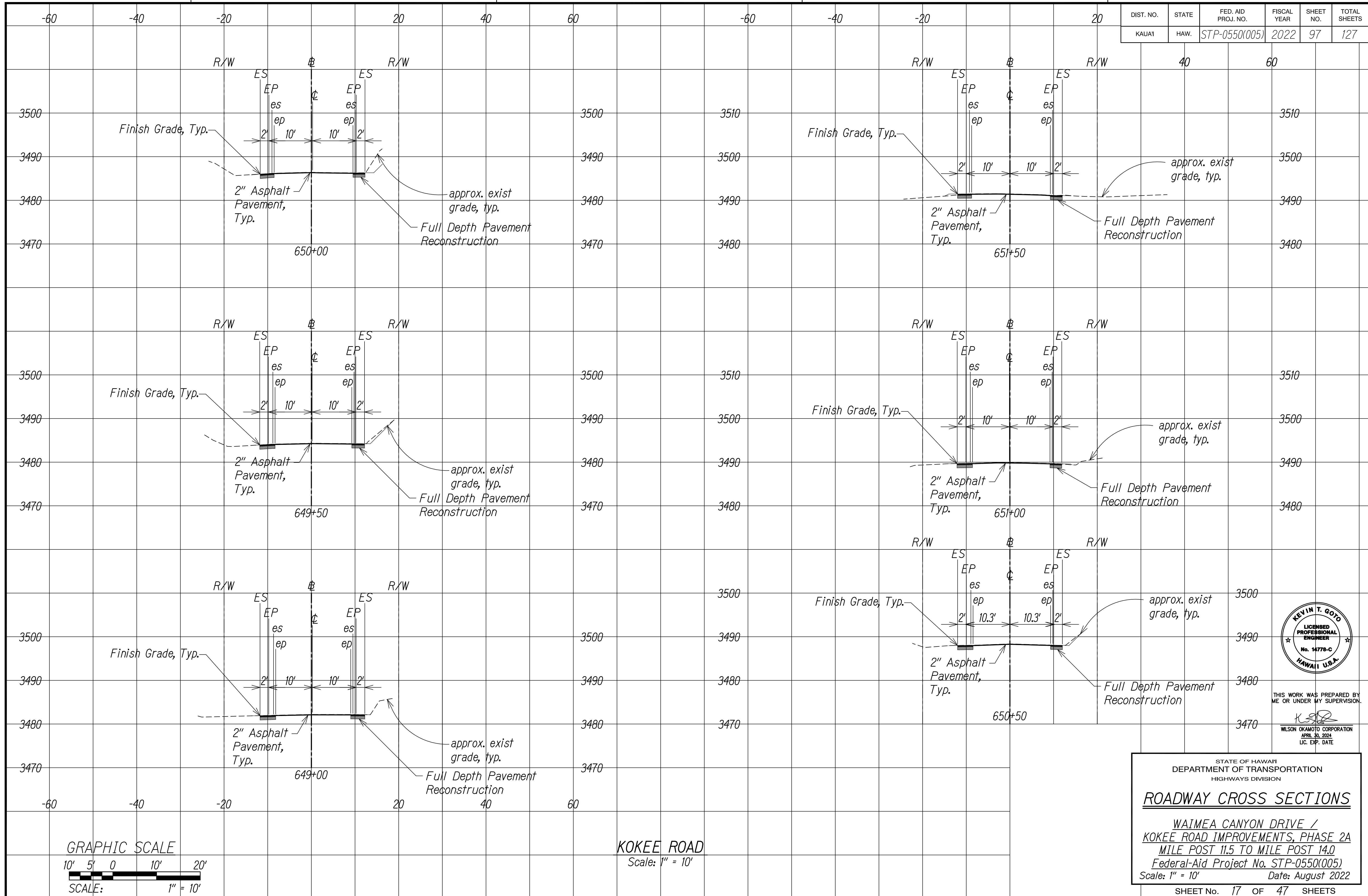
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

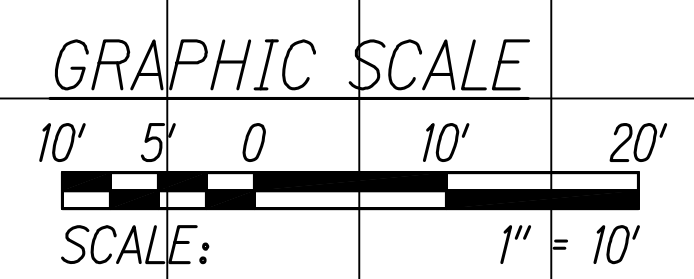
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KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 16 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	97	127



SURVEY PLOTTED BY	DATE
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KOKEE ROAD
Scale: 1" = 10'



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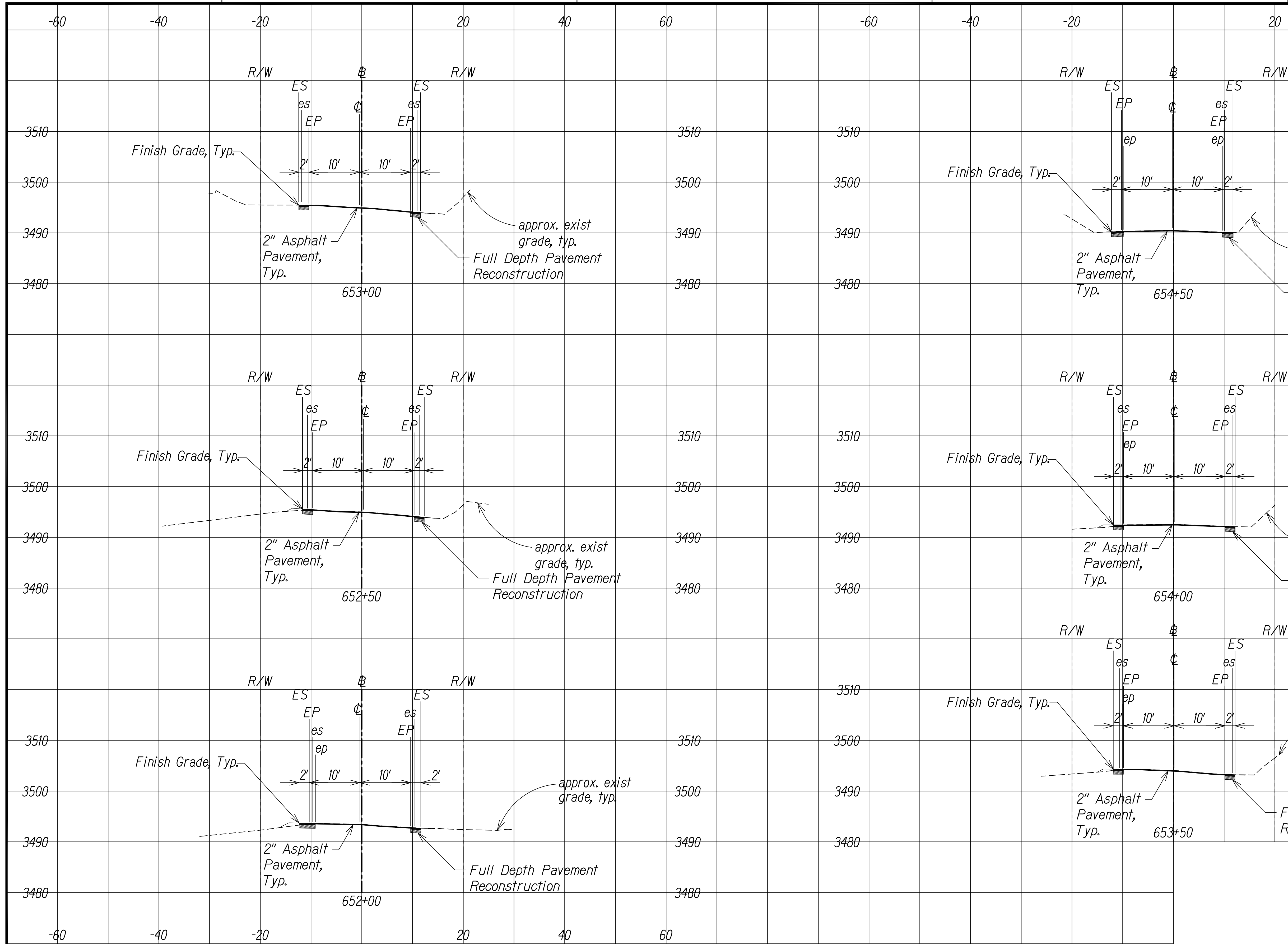
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

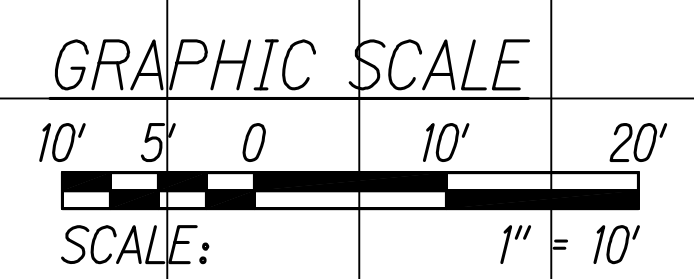
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 17 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	98	127



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
CHECKED BY	
NO.	



KOKEE ROAD
Scale: 1" = 10'



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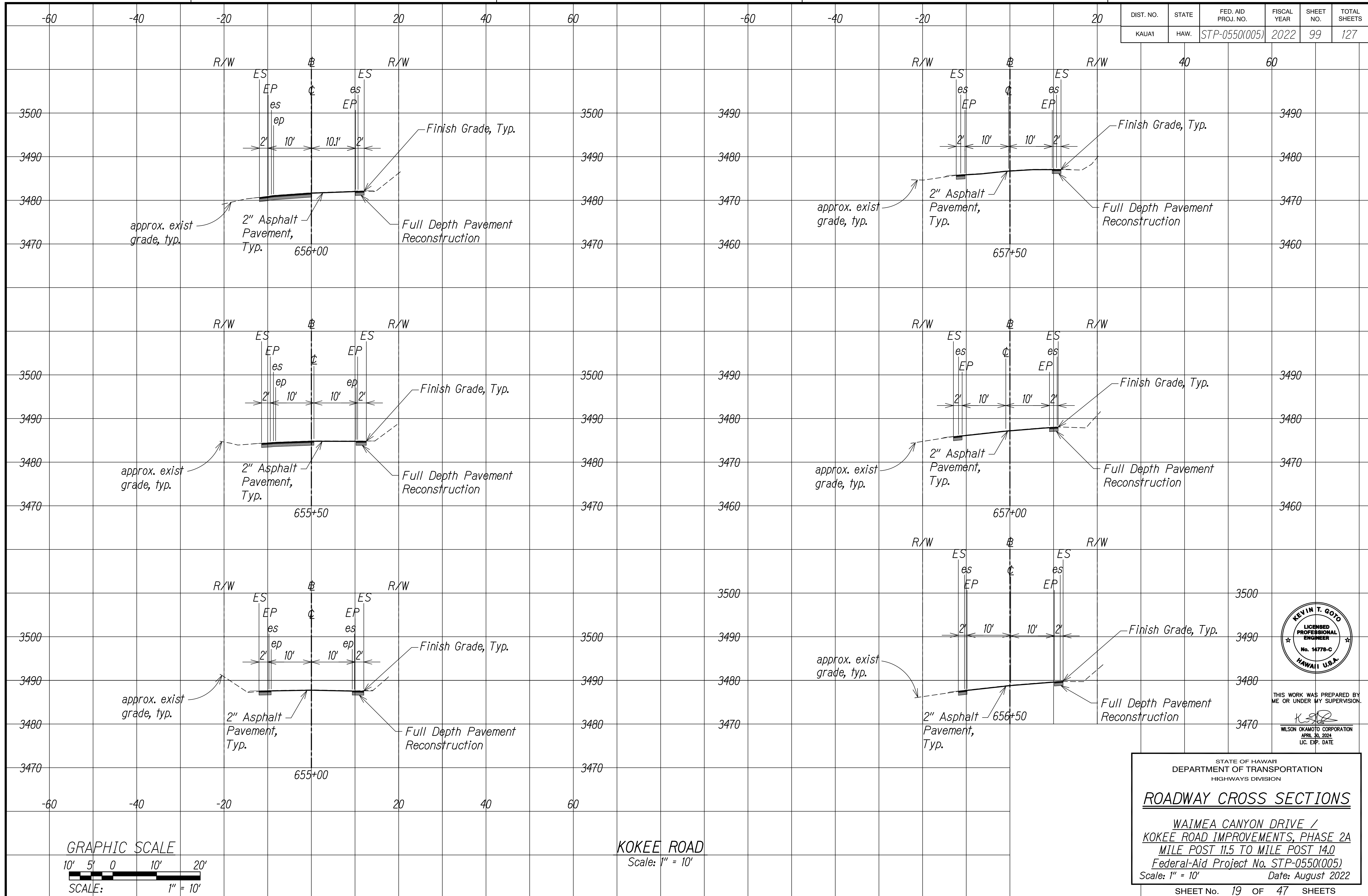
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

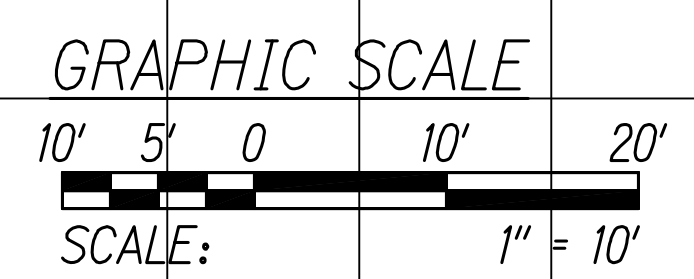
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 18 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	99	127



SURVEY PLOTTED BY	DATE
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KOKEE ROAD
Scale: 1" = 10'



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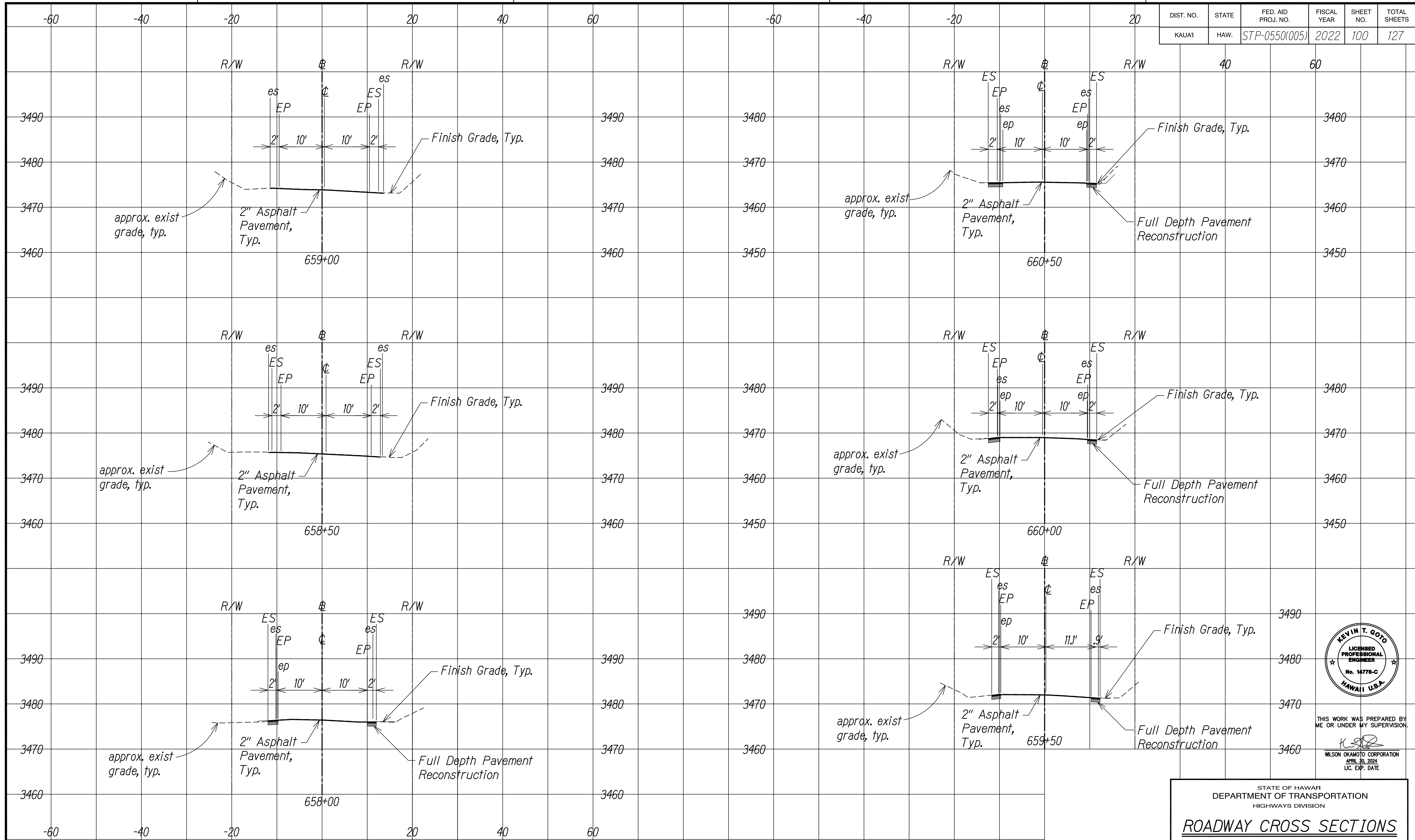
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

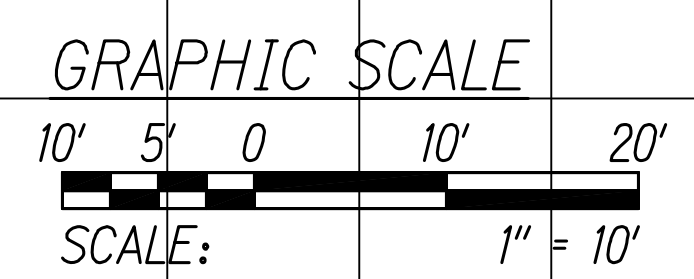
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 19 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	100	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



KOKEE ROAD
Scale: 1" = 10'



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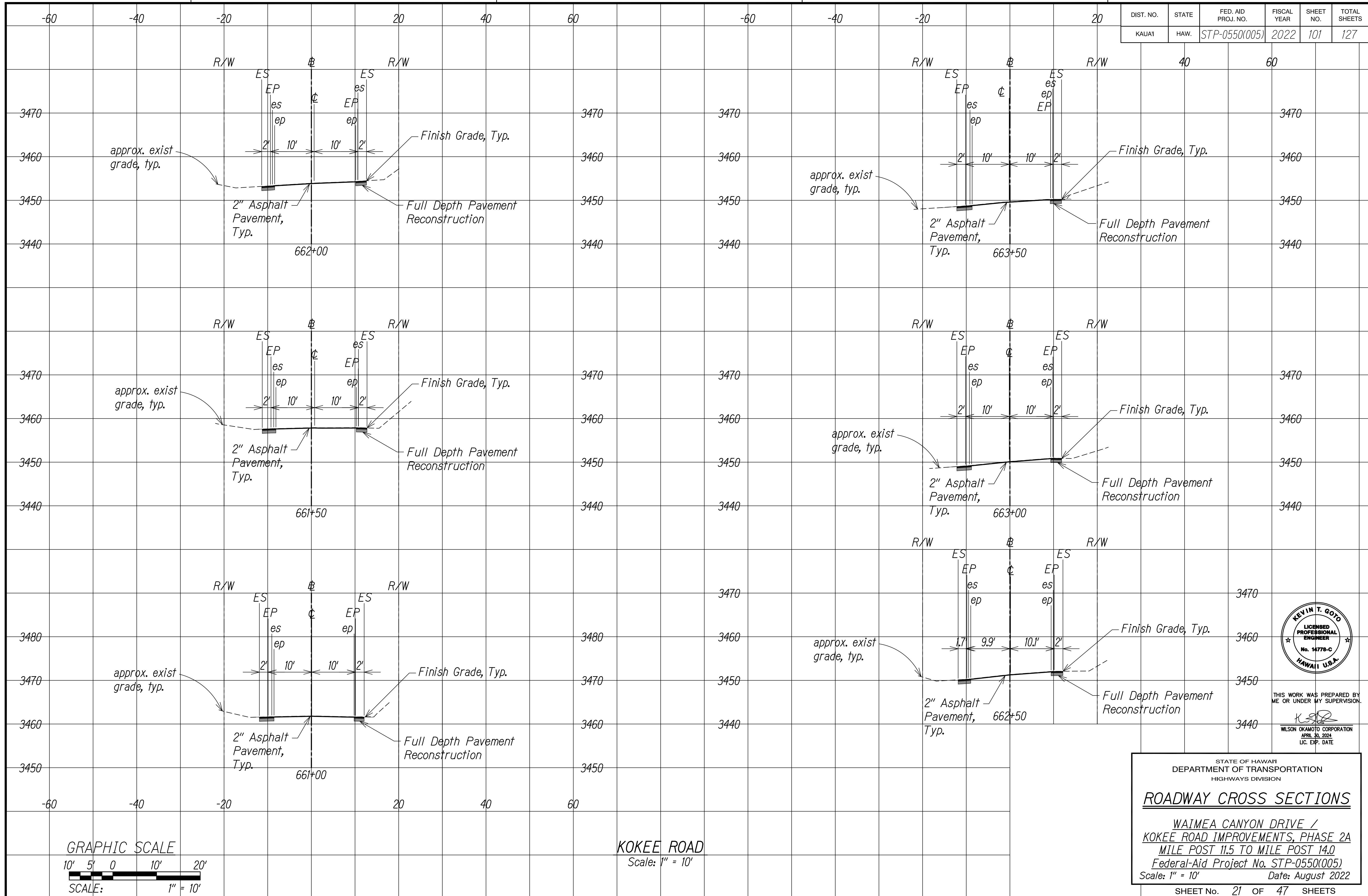
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

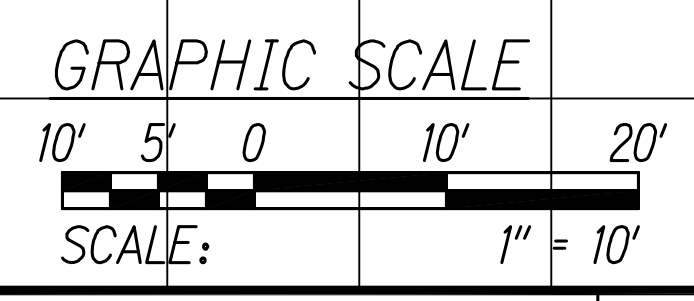
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 20 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	101	127



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



KOKEE ROAD
Scale: 1" = 10'



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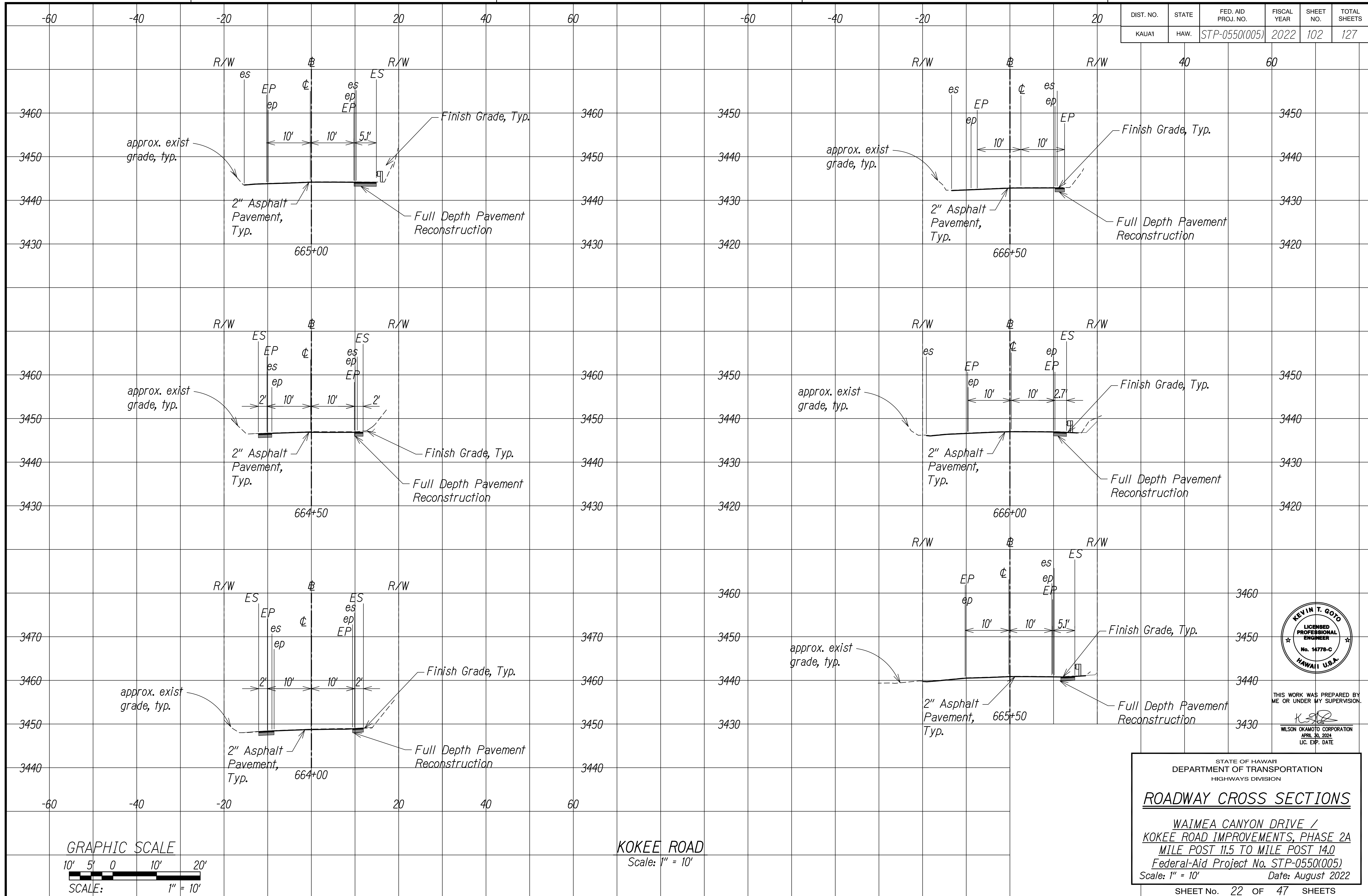
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

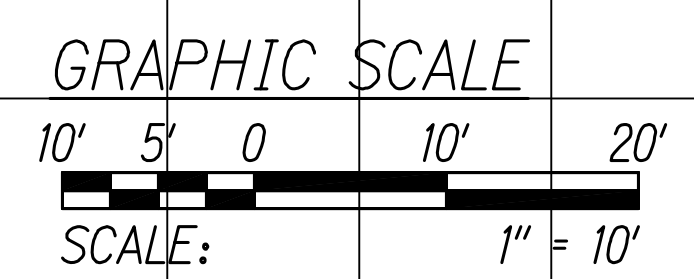
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 21 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	102	127



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



KOKEE ROAD
Scale: 1" = 10'



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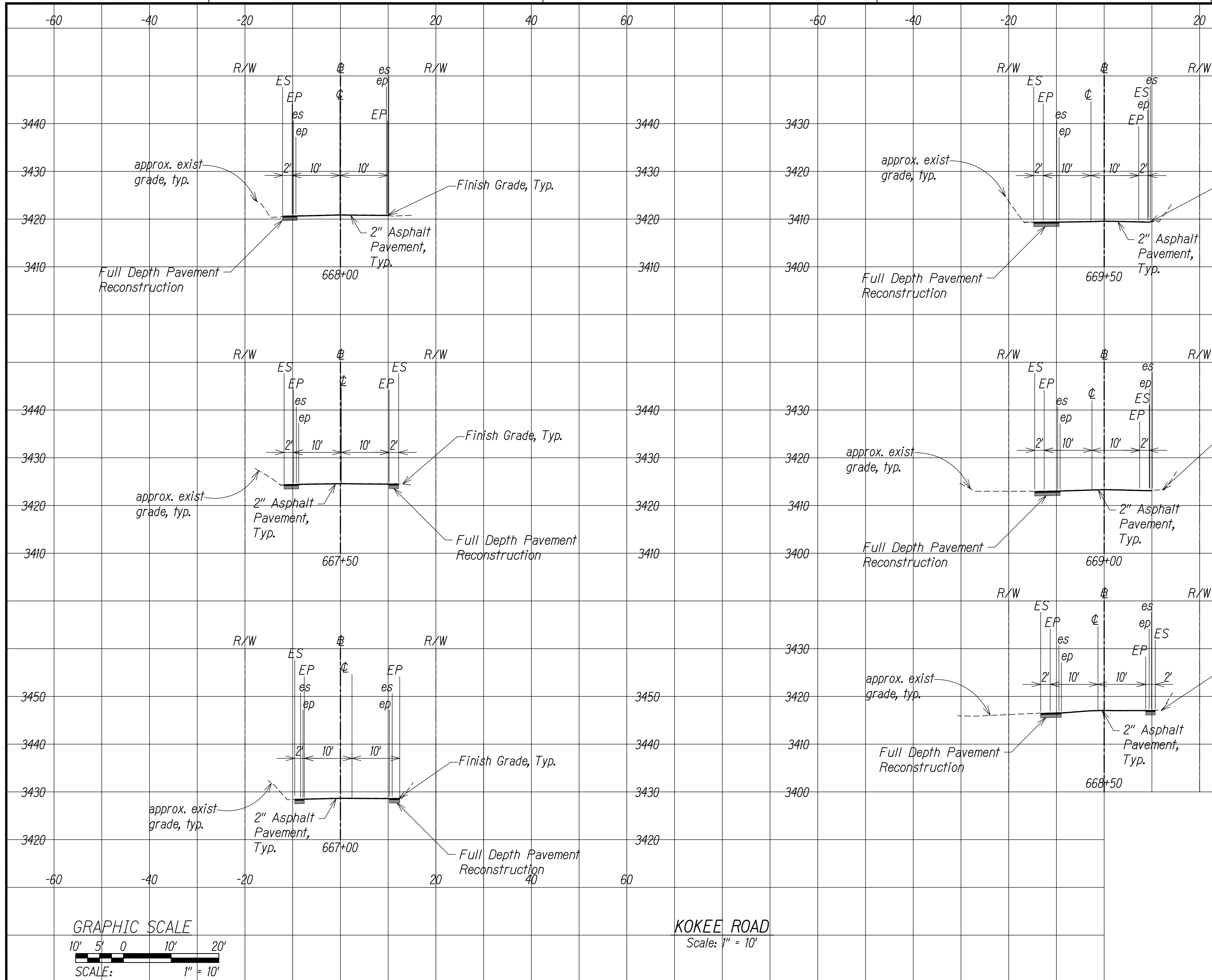
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

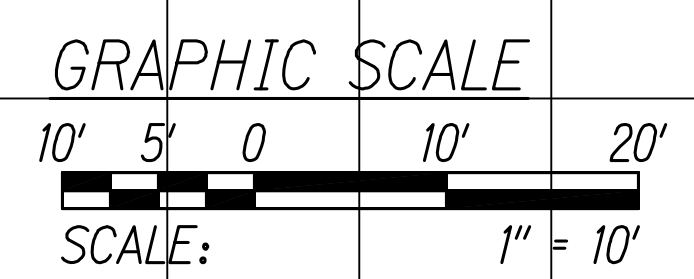
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 22 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	103	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
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NO.	



KOKEE ROAD
Scale: 1" = 10'



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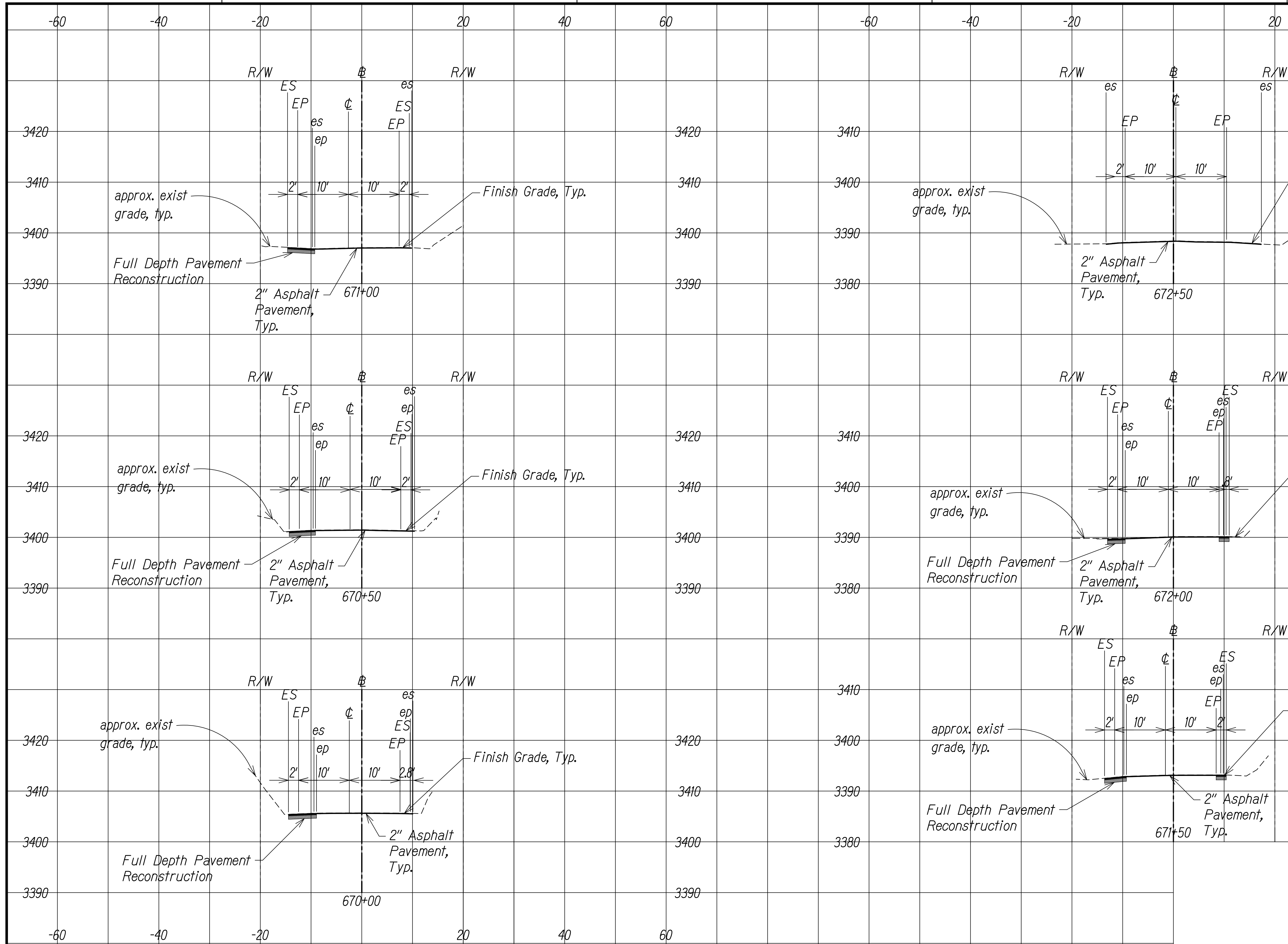
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

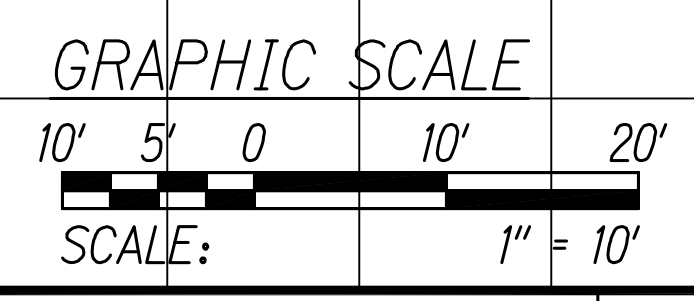
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 23 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	104	127



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



KOKEE ROAD
Scale: 1" = 10'



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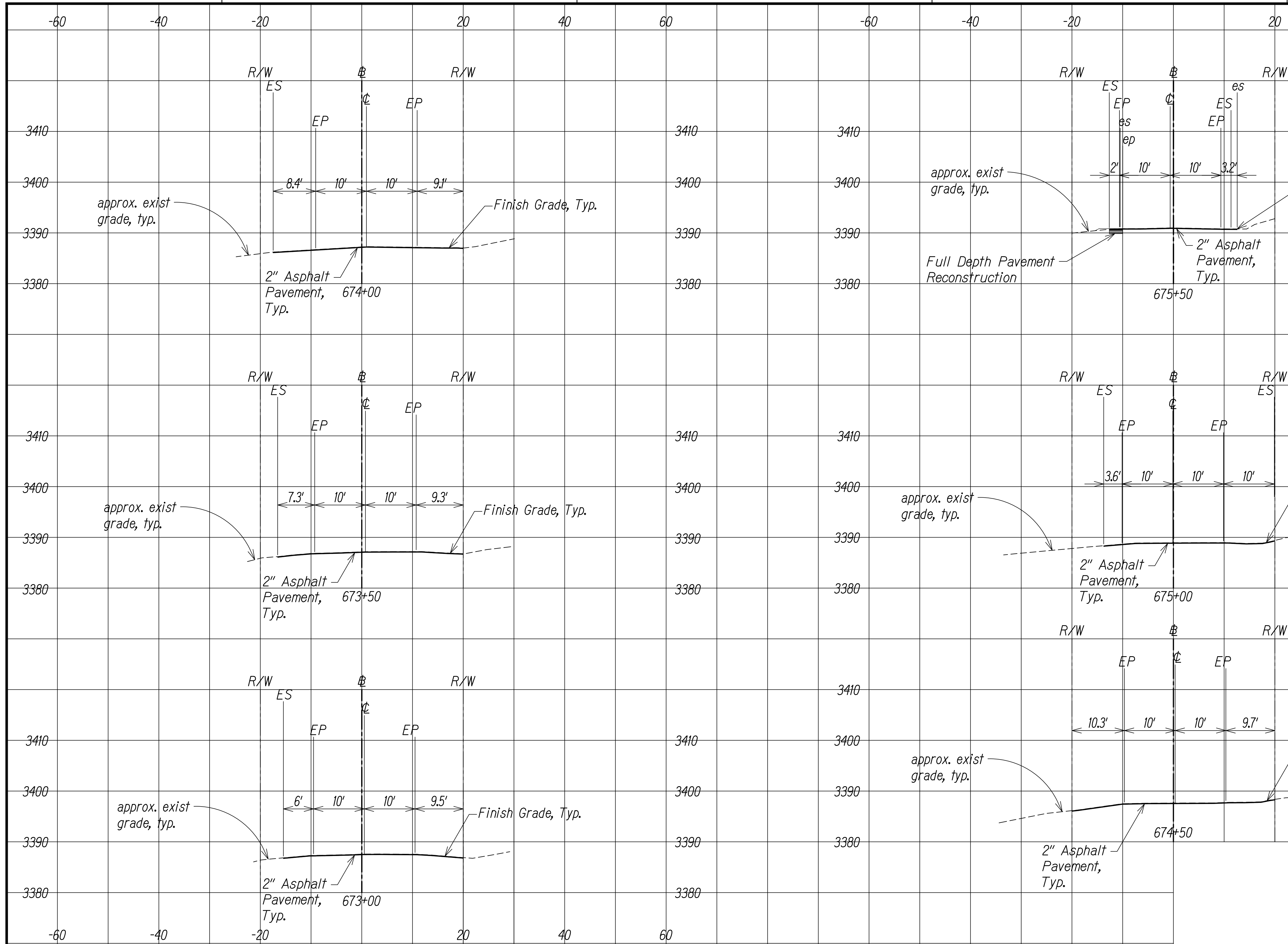
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

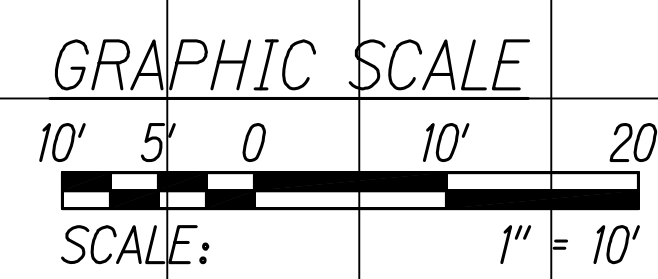
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 24 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	105	127



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



KOKEE ROAD
Scale: 1" = 10'



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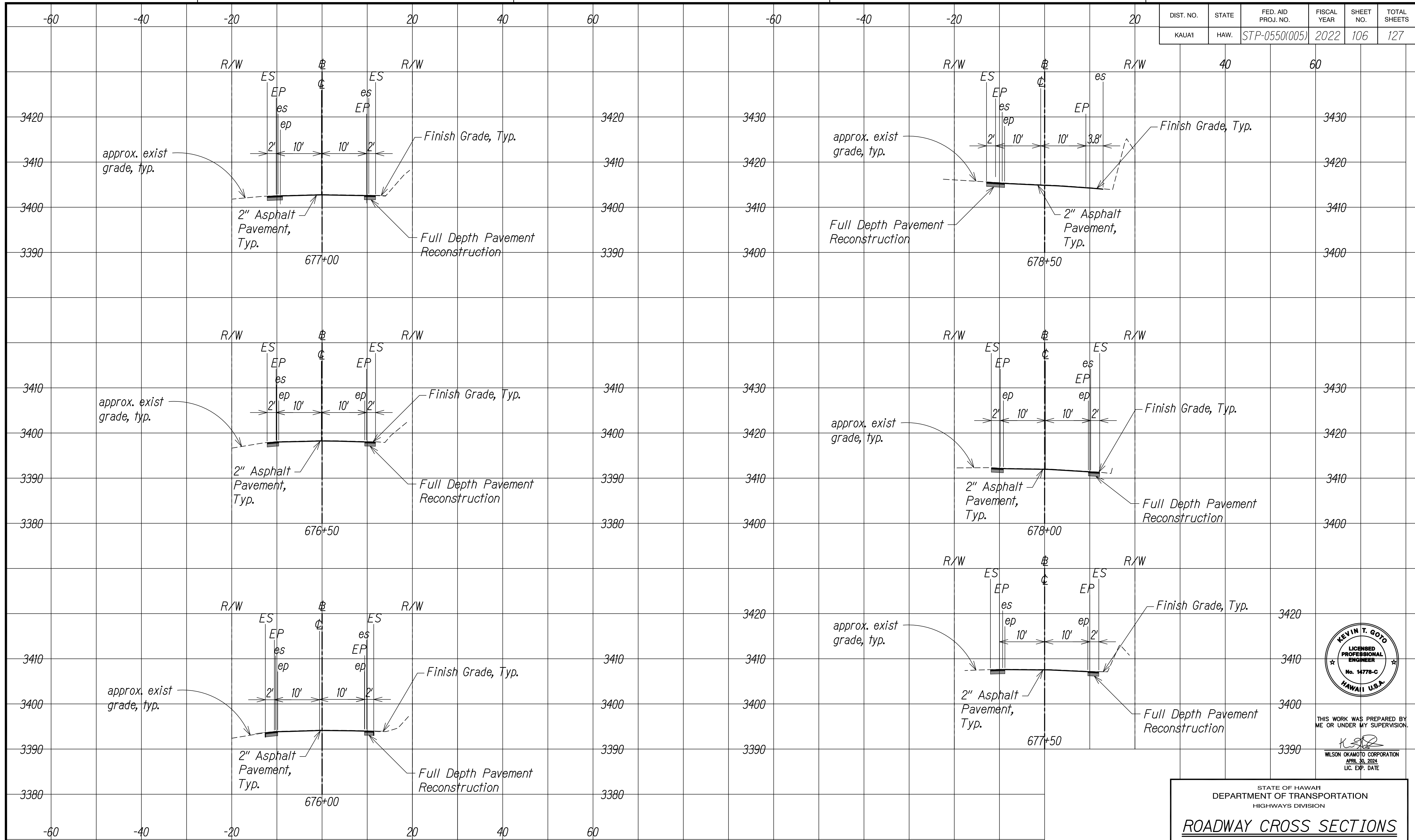
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

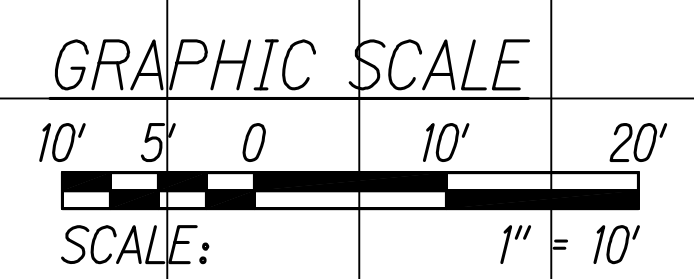
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 25 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	106	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
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NO.	



KOKEE ROAD
Scale: 1" = 10'



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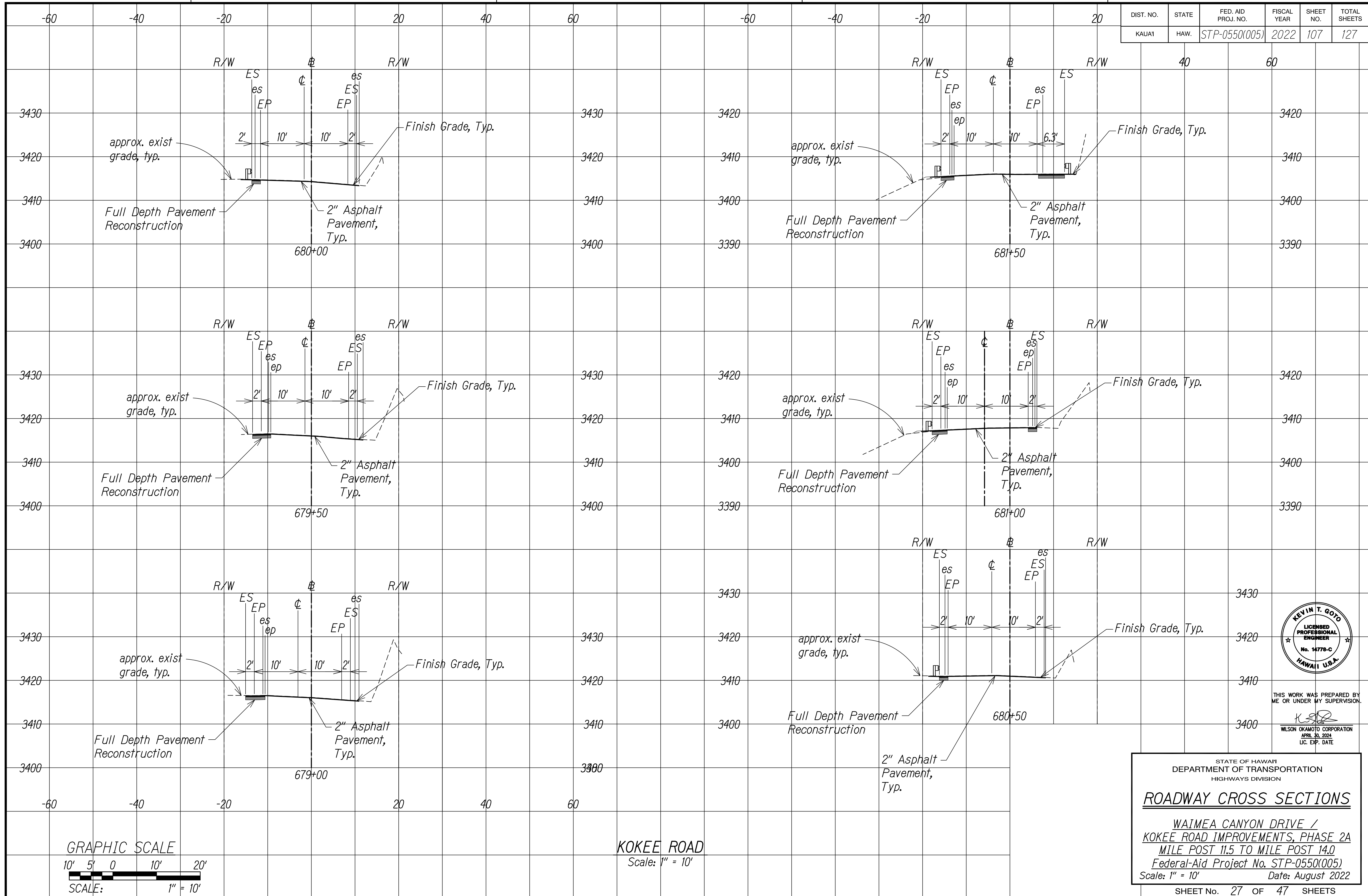
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

WAIMEA CANYON DRIVE /
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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

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	107	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

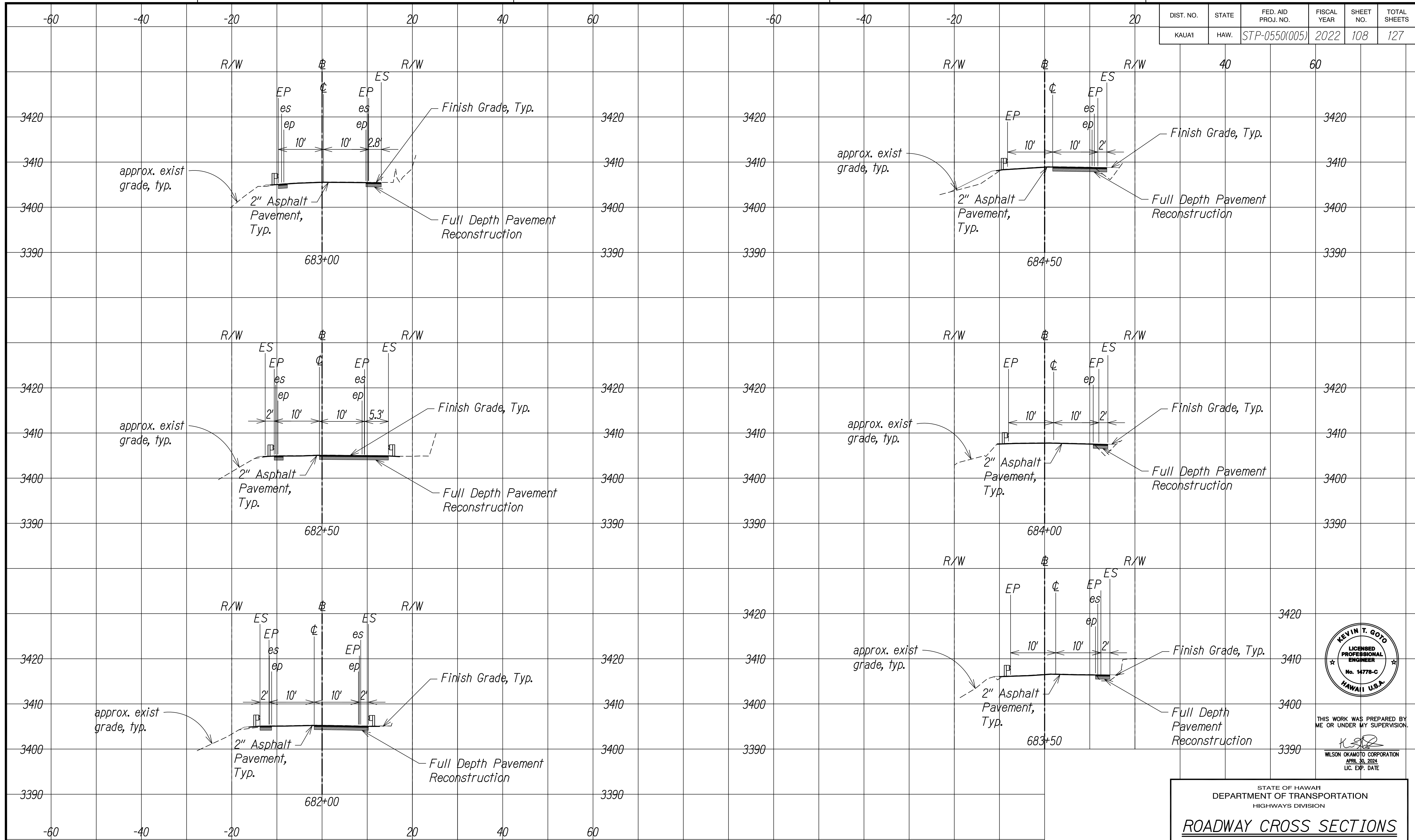


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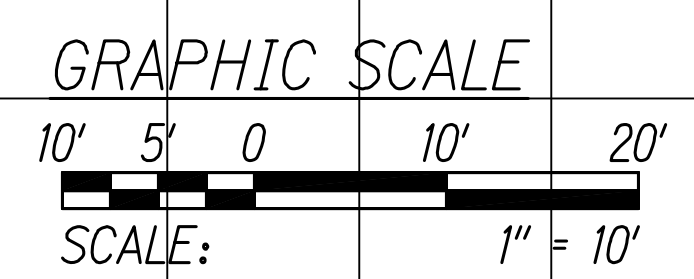
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
 WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 10' Date: August 2022
 SHEET No. 27 OF 47 SHEETS

KOKEE ROAD
 Scale: 1" = 10'

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	108	127



SURVEY PLOTTED BY	DATE
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TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
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KOKEE ROAD
Scale: 1" = 10'



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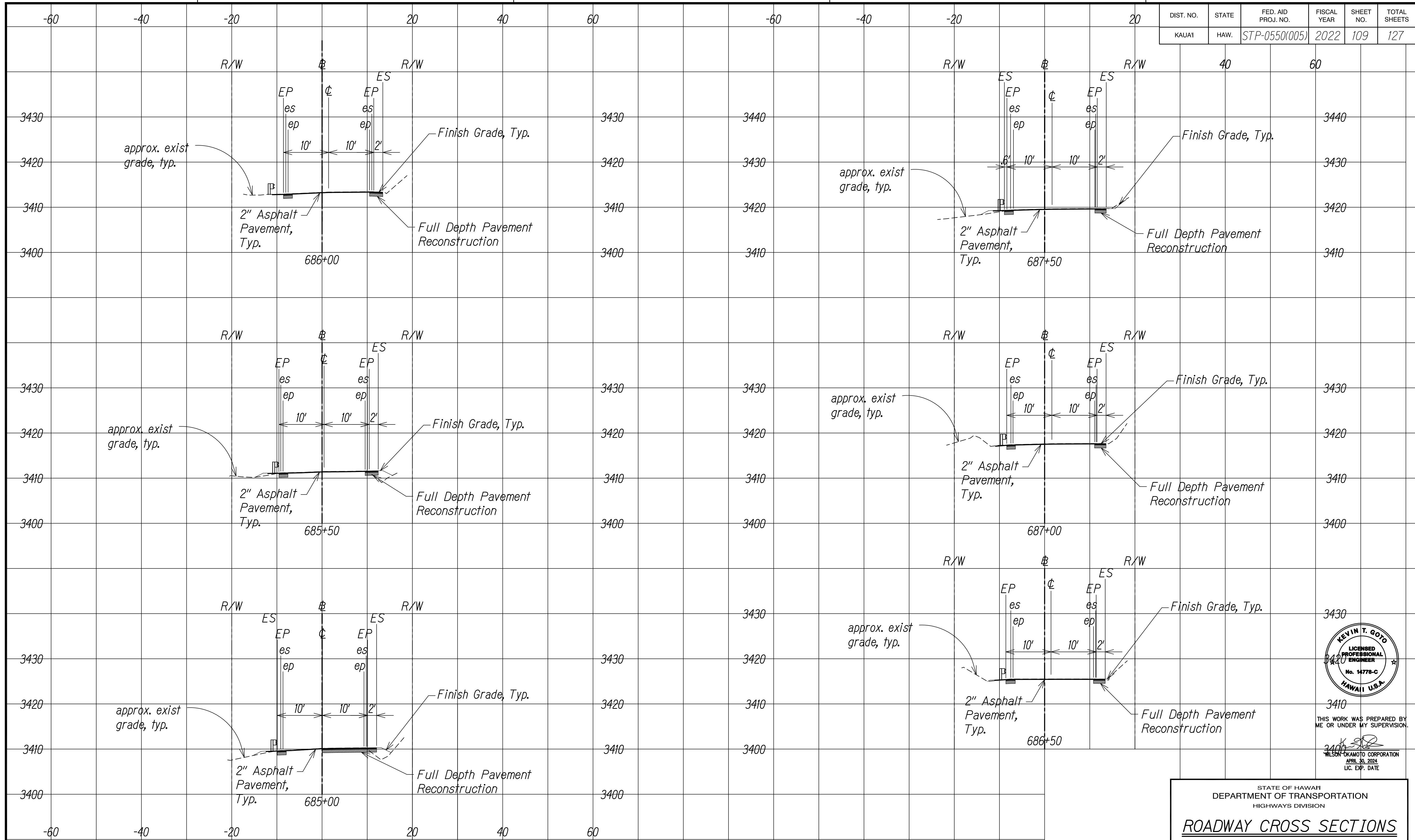
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

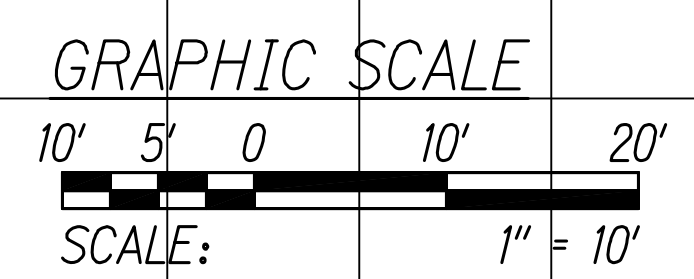
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KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 28 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	109	127



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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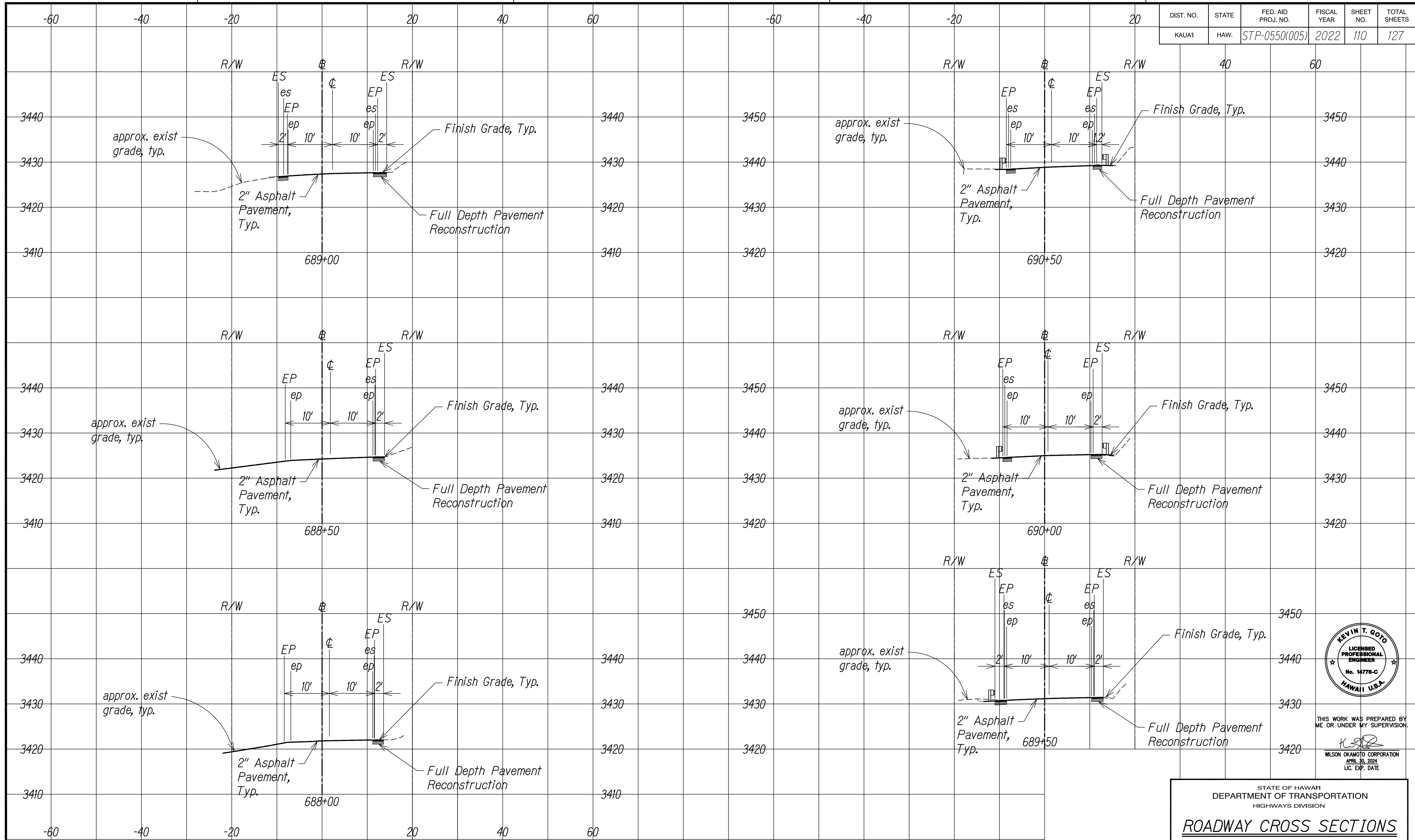
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

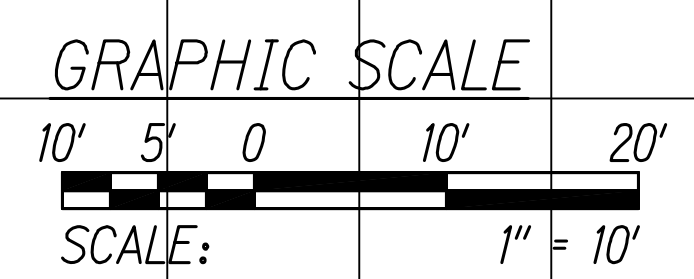
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 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 10' Date: August 2022

SHEET No. 29 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	110	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



KOKEE ROAD
Scale: 1" = 10'



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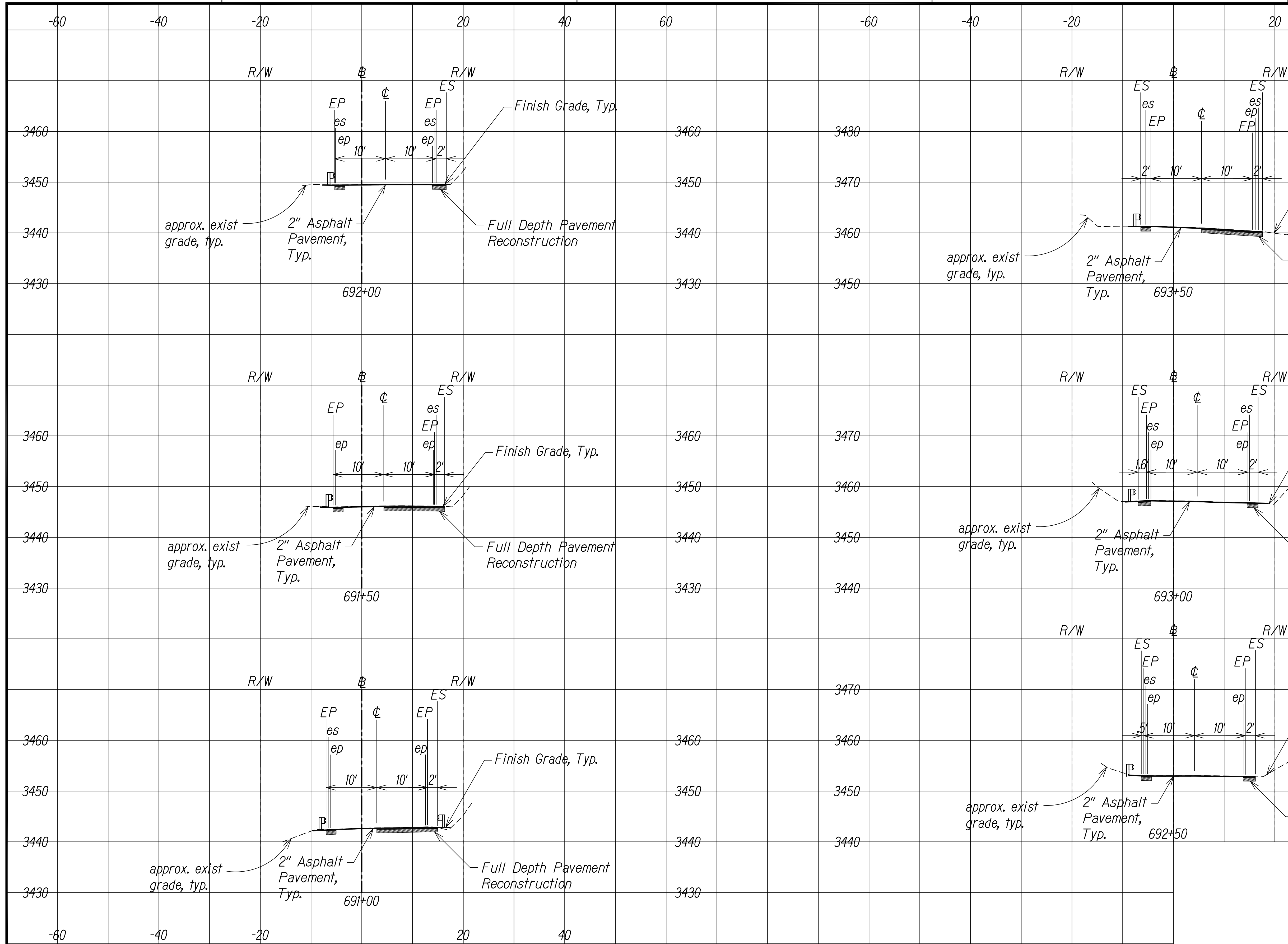
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

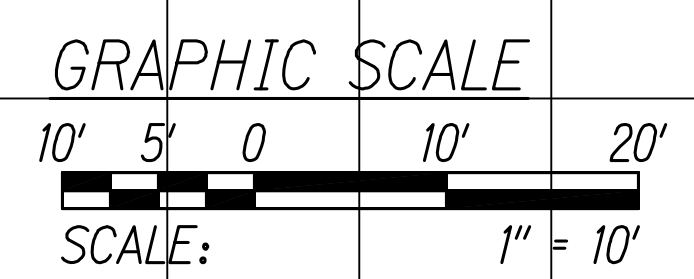
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KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 30 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	111	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



KOKEE ROAD
Scale: 1" = 10'



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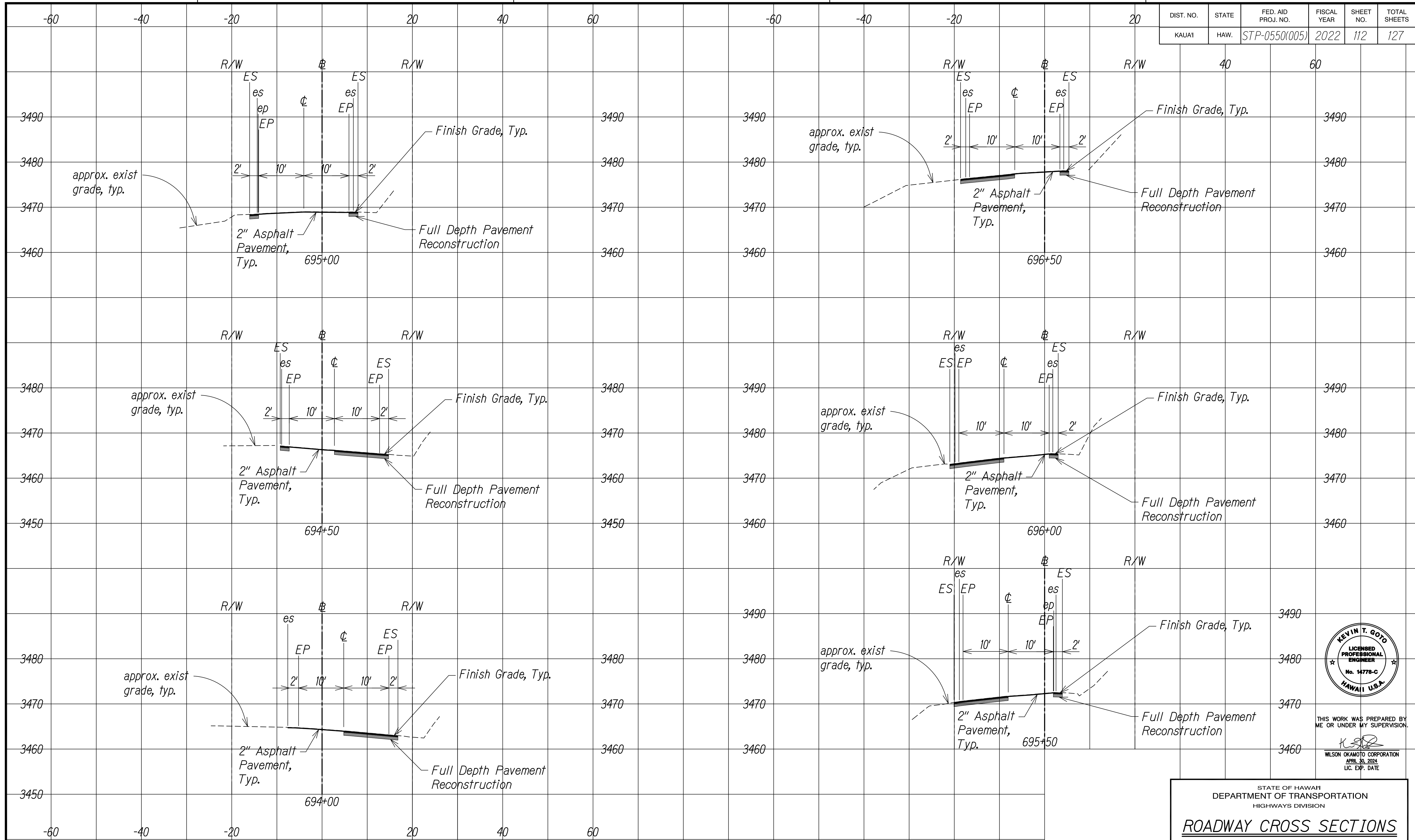
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

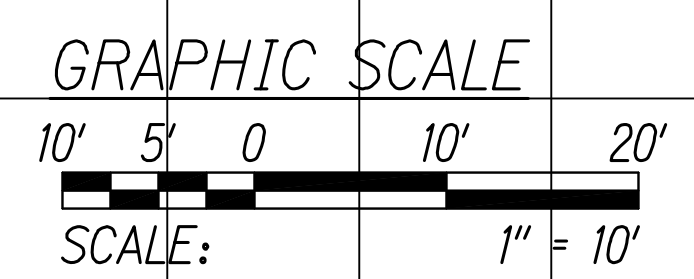
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KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 31 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	112	127



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
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NO.	



KOKEE ROAD
Scale: 1" = 10'



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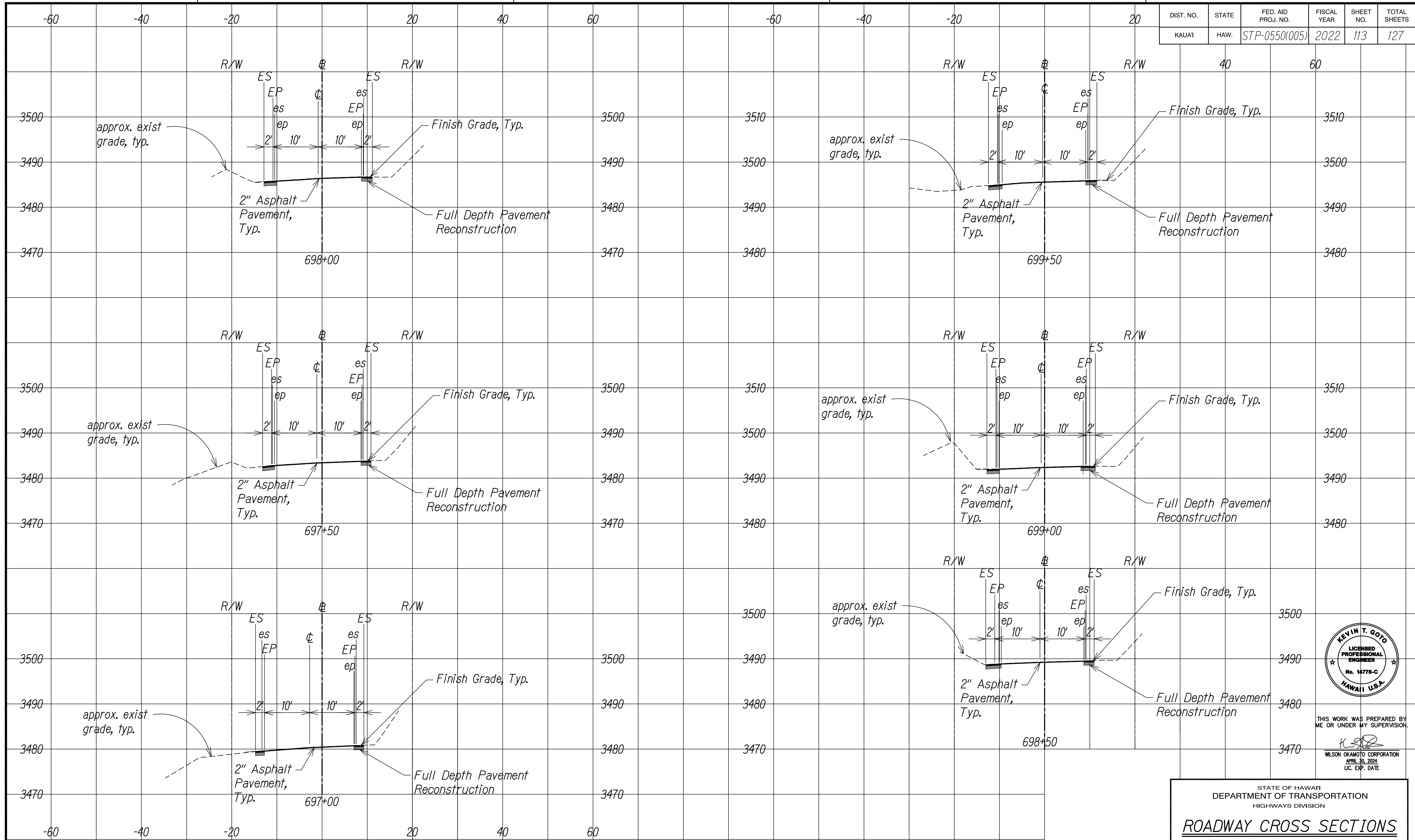
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

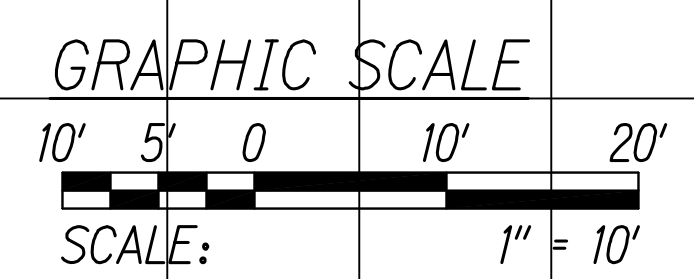
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 32 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	113	127



SURVEY PLOTTED BY	DATE
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DESIGNED BY	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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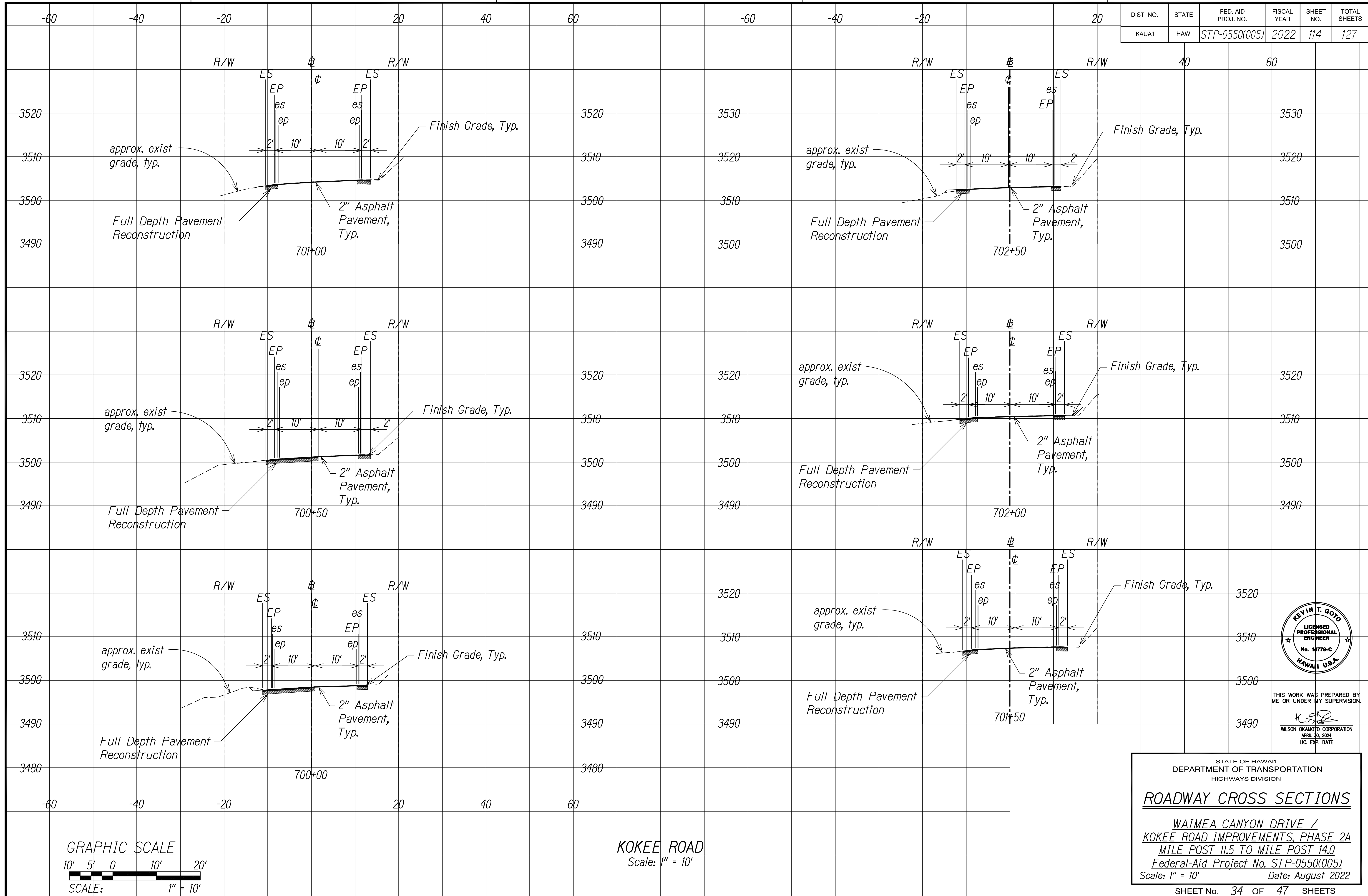
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

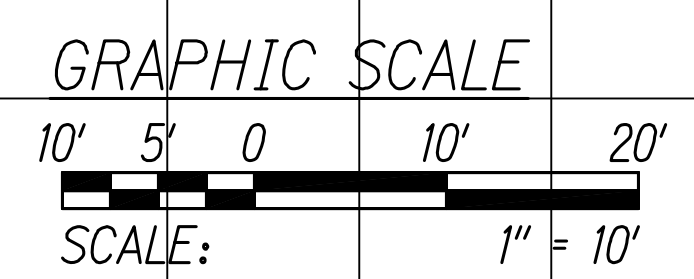
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MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 33 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	114	127



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
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NO.	



KOKEE ROAD
Scale: 1" = 10'



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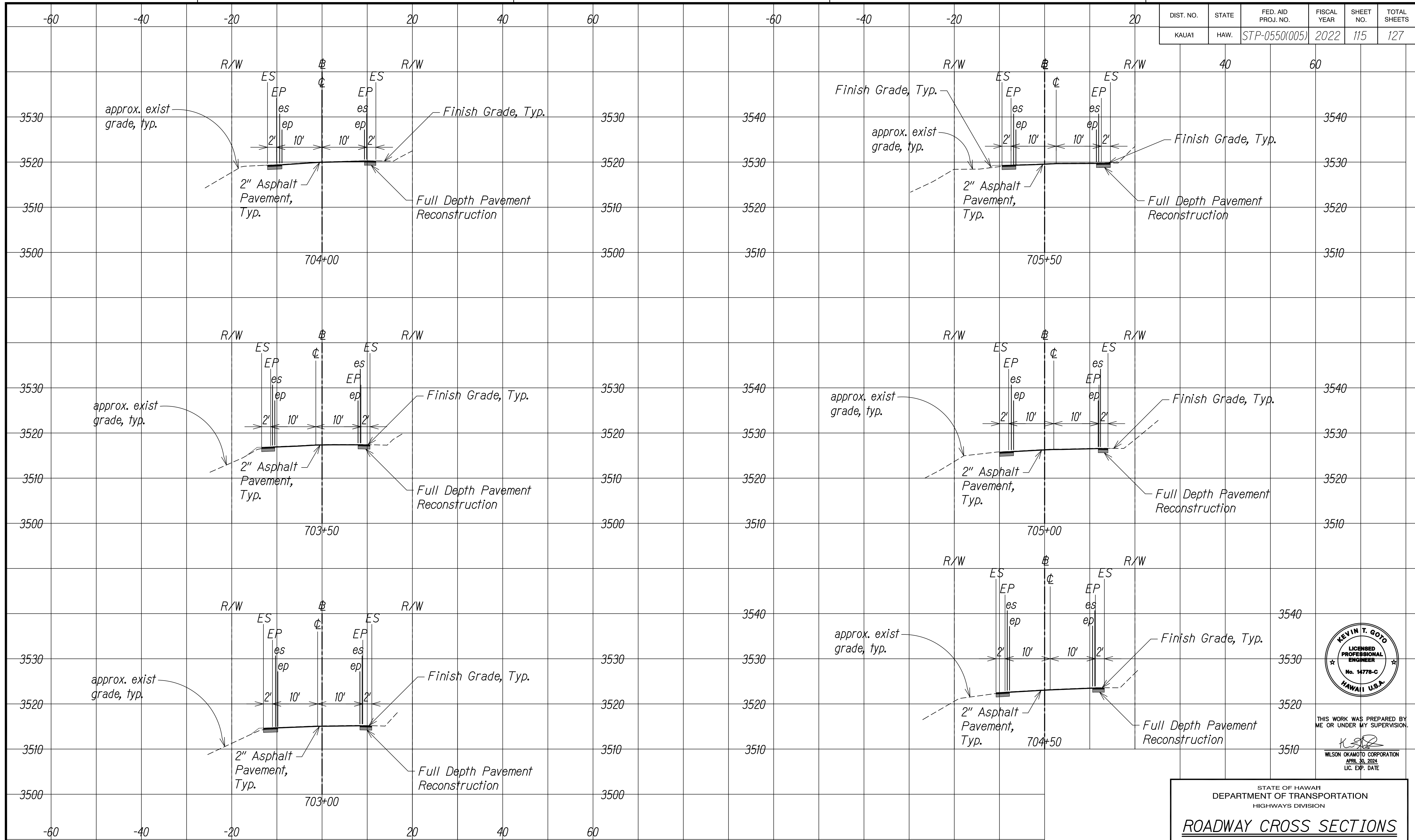
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

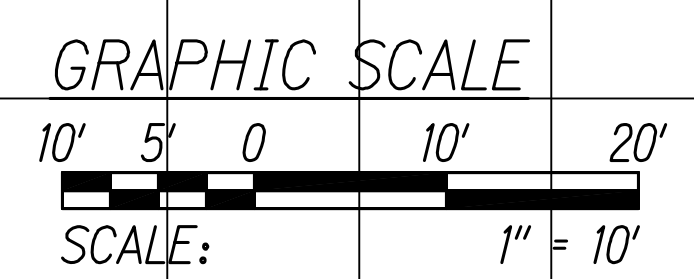
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 34 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	115	127



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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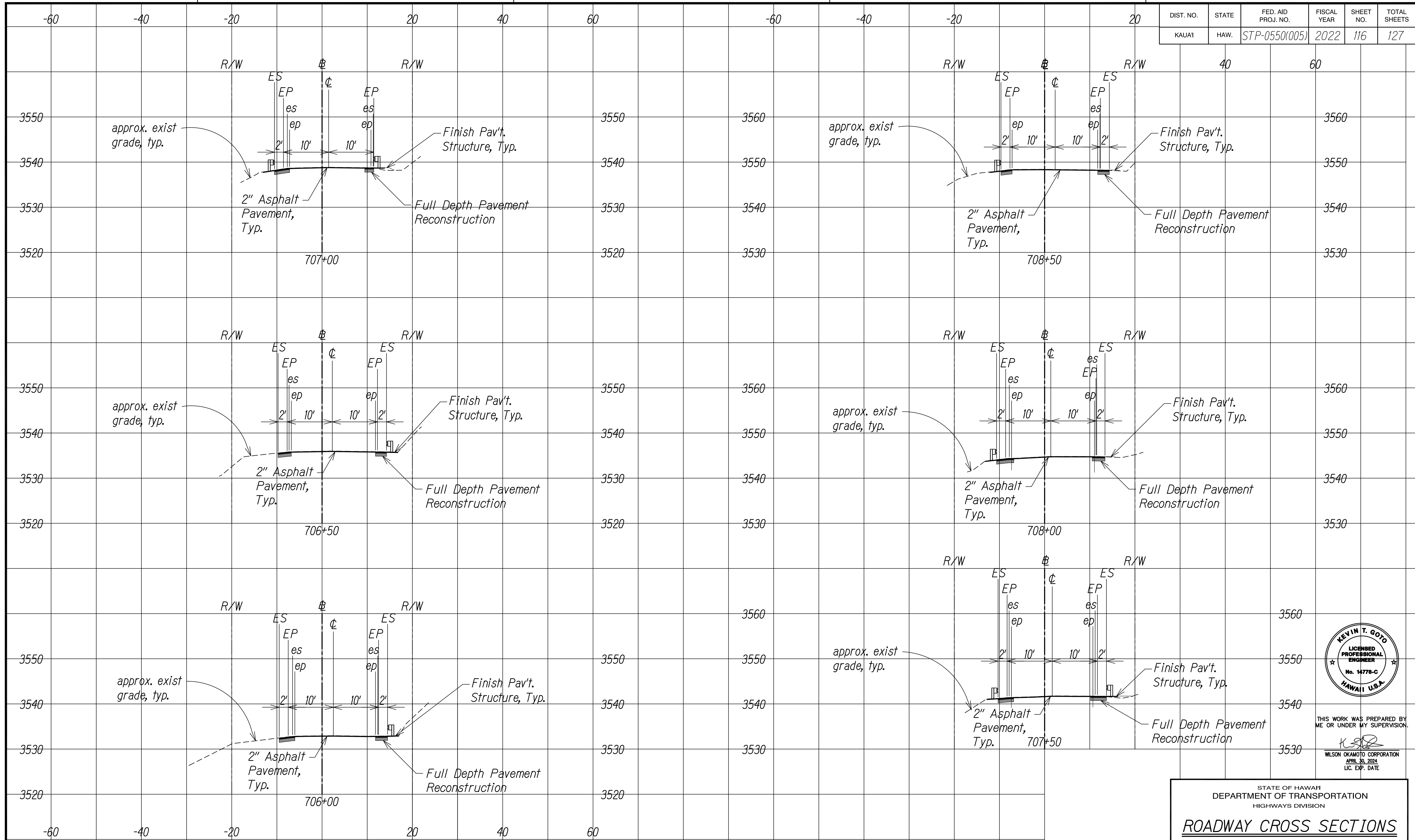
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

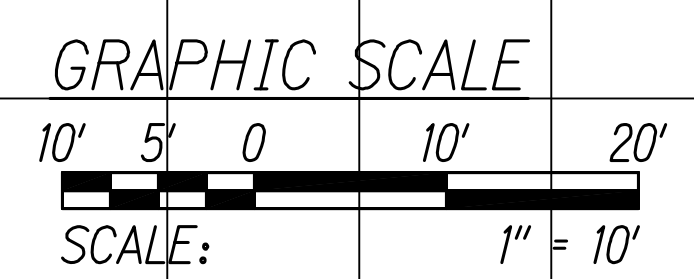
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 35 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	116	127



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



KOKEE ROAD
Scale: 1" = 10'



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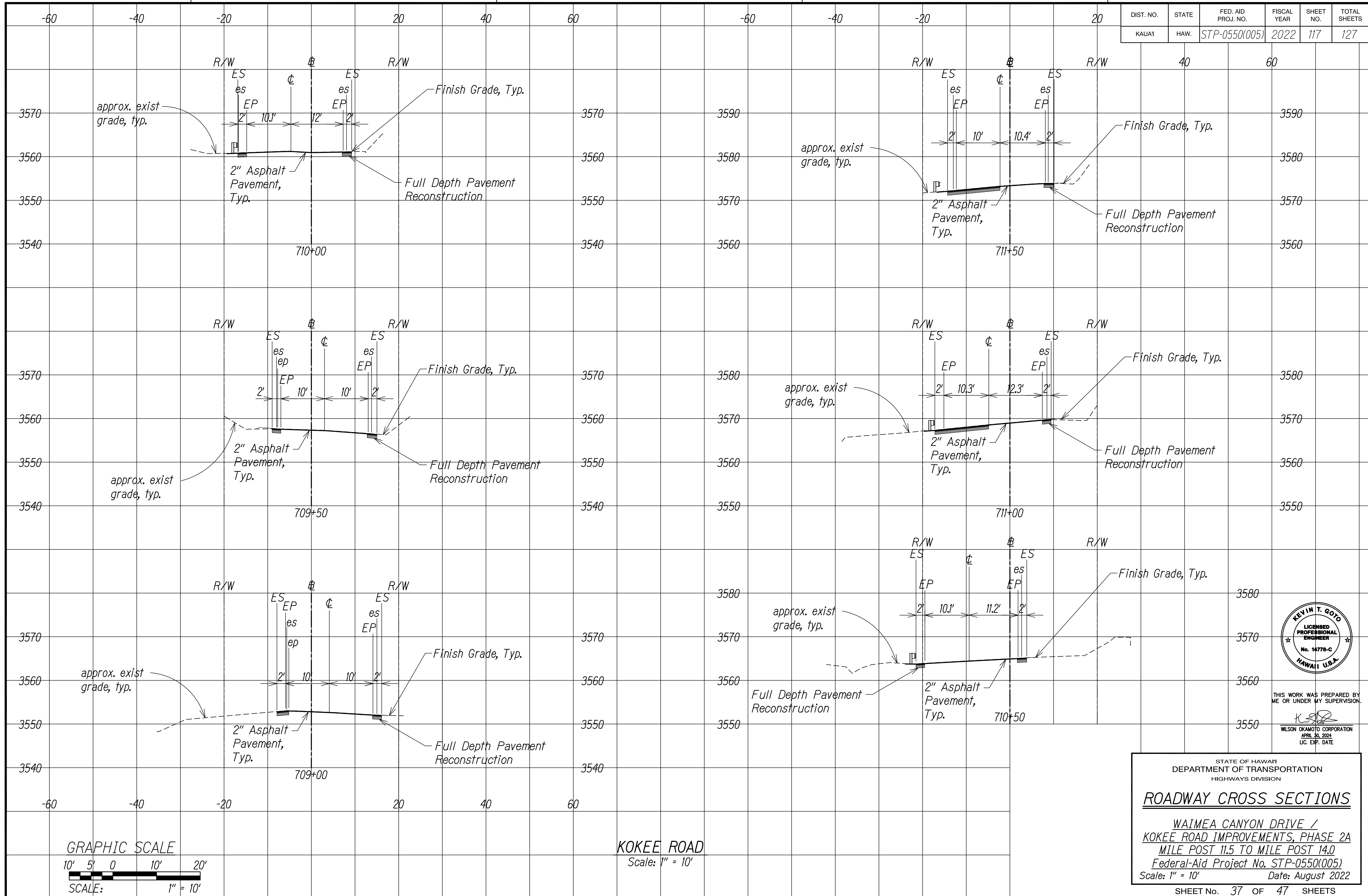
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

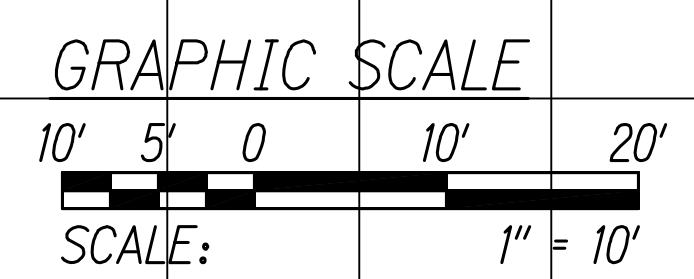
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 36 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	117	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



KOKEE ROAD
Scale: 1" = 10'



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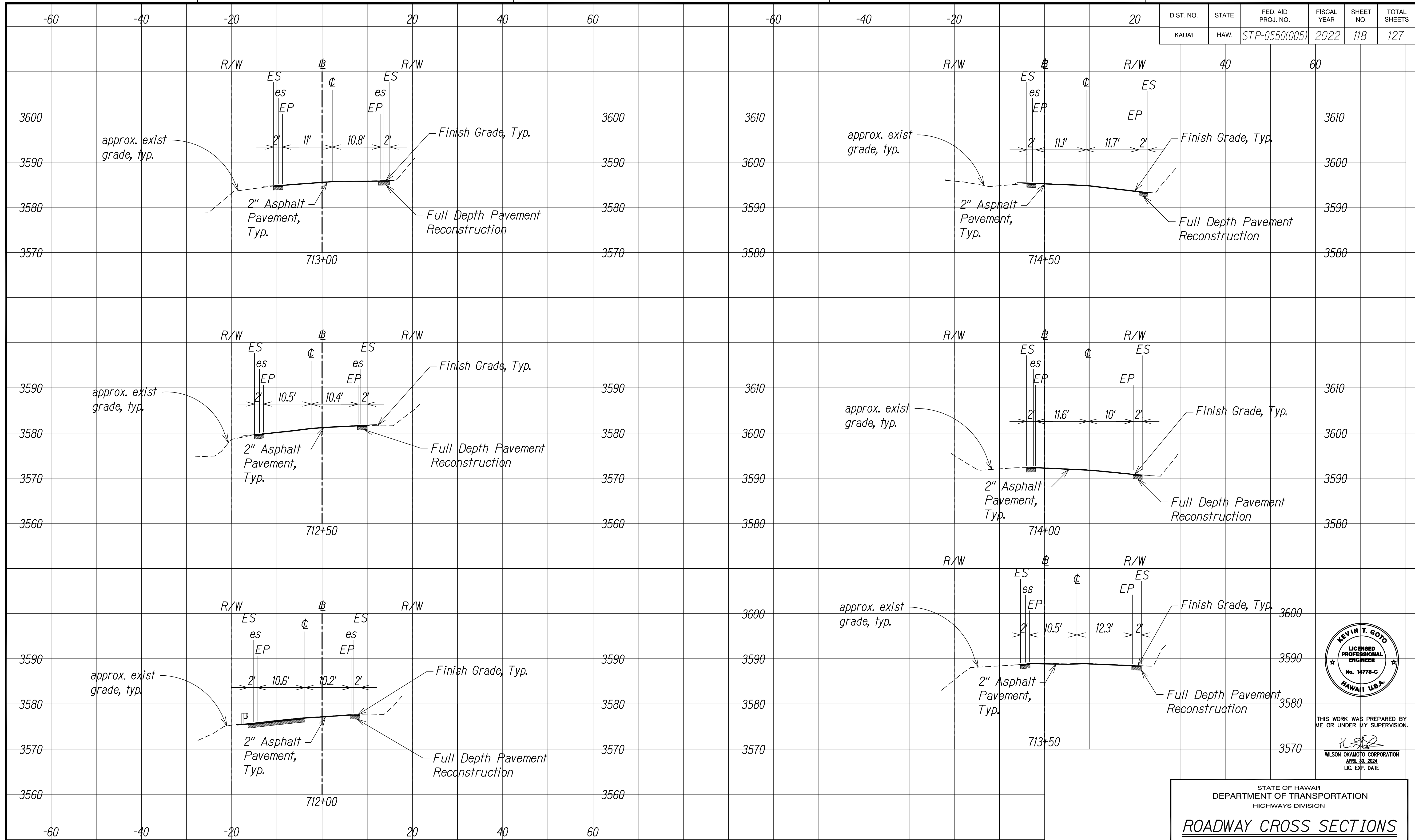
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

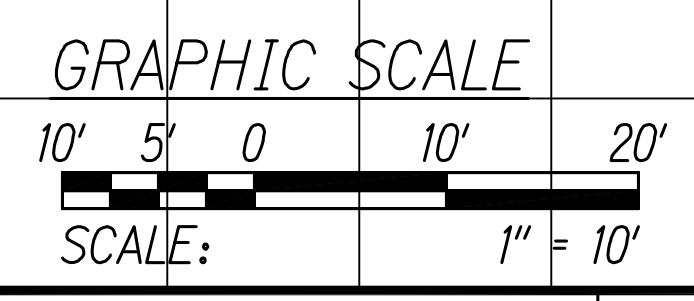
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 37 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	118	127



SURVEY PLOTTED BY	DATE
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DESIGNED BY	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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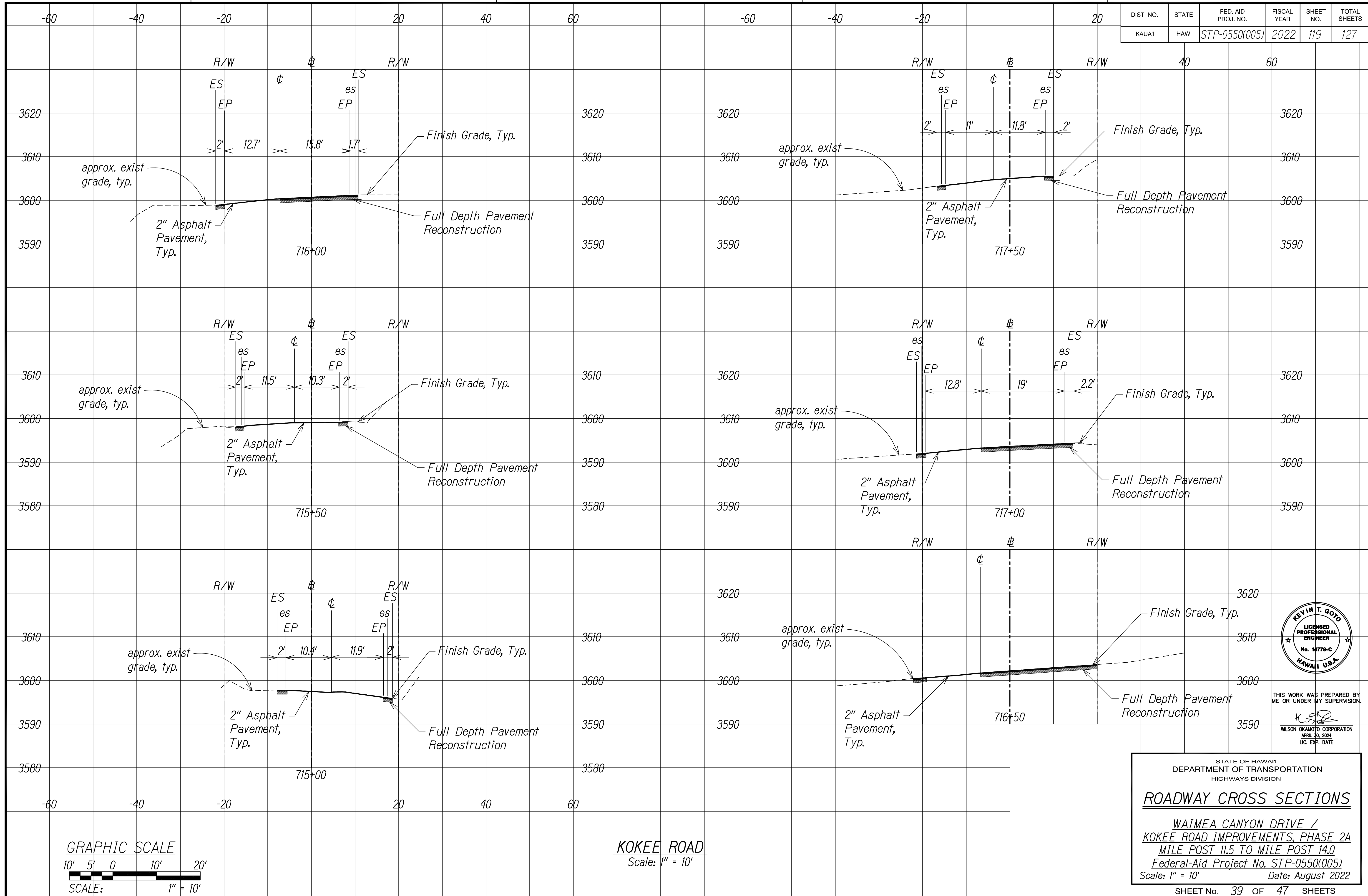
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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. 38 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	119	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
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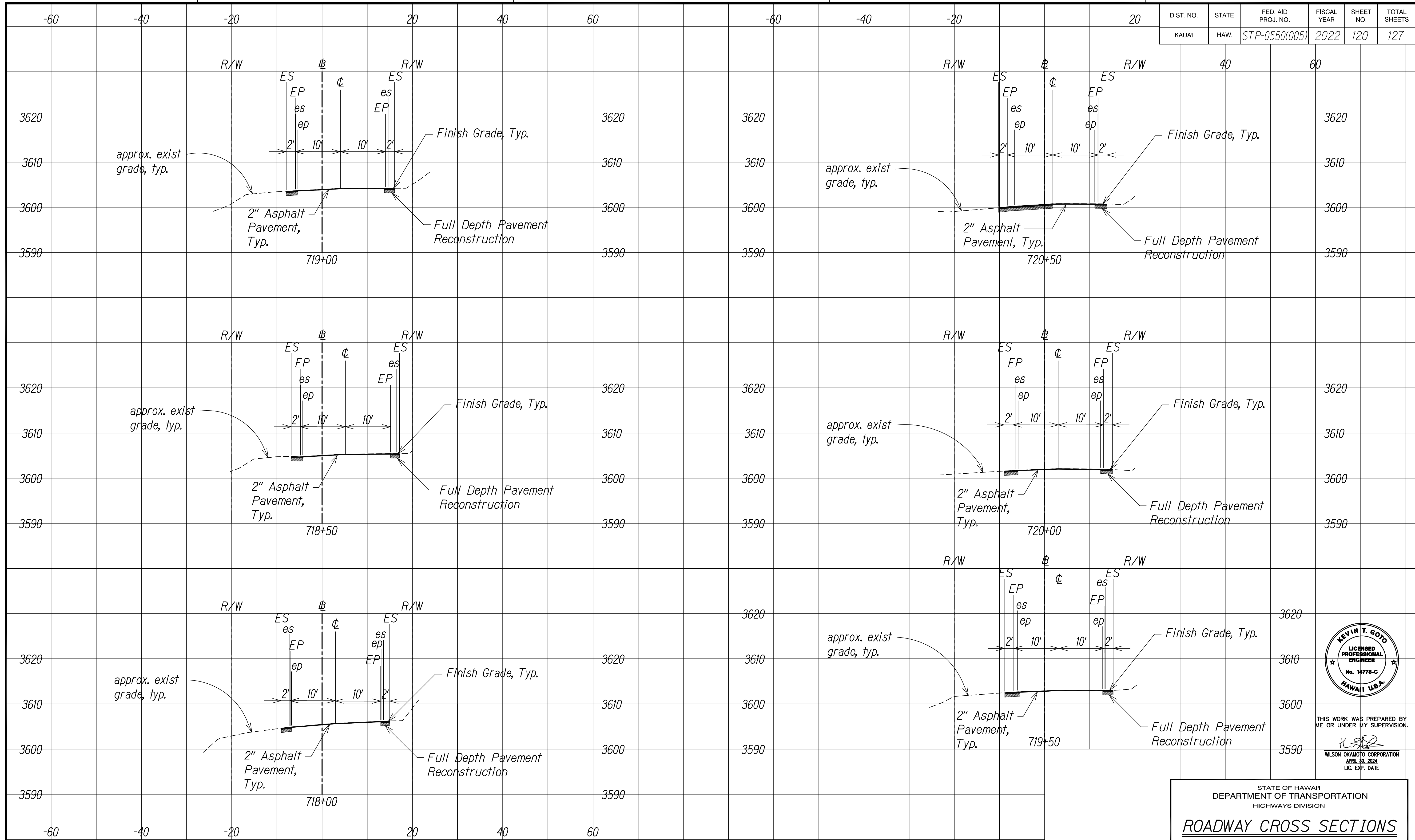
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

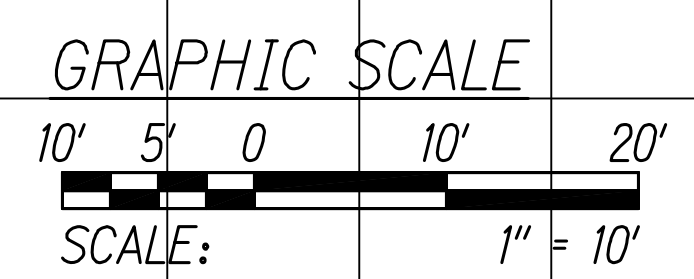
WAIMEA CANYON DRIVE /
 KOKEE ROAD IMPROVEMENTS, PHASE 2A
 MILE POST 11.5 TO MILE POST 14.0
 Federal-Aid Project No. STP-0550(005)
 Scale: 1" = 10' Date: August 2022

SHEET No. 39 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	120	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
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KOKEE ROAD
Scale: 1" = 10'



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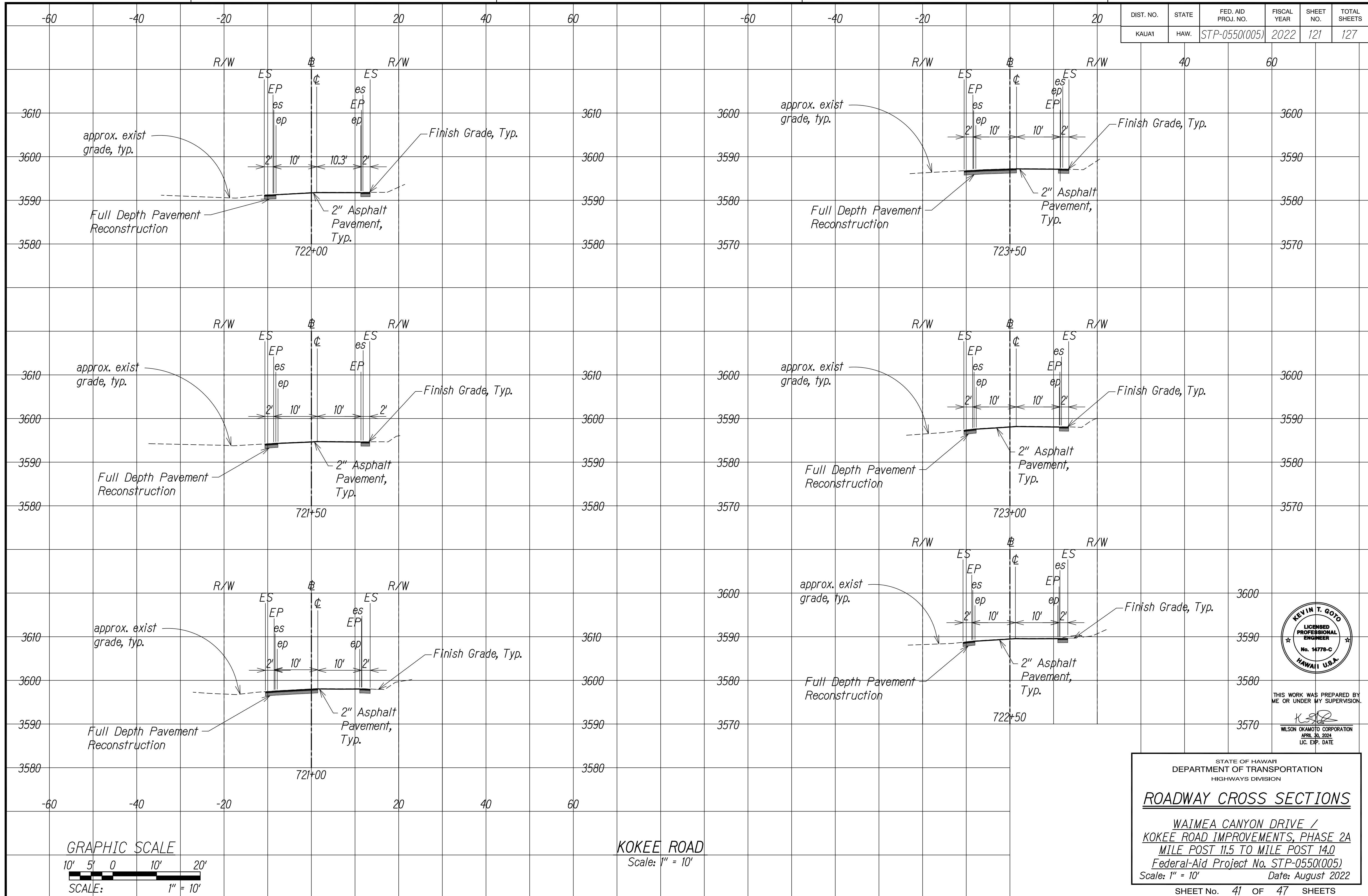
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

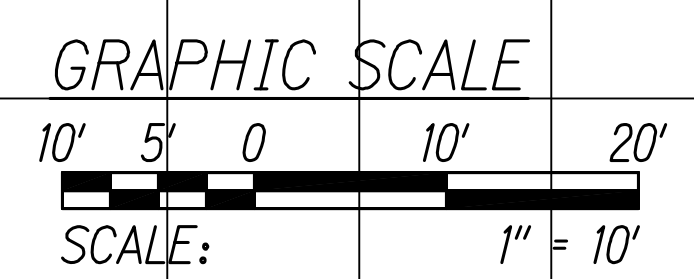
WAIMEA CANYON DRIVE /
KOKEE ROAD IMPROVEMENTS, PHASE 2A
MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 40 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	121	127



SURVEY PLOTTED BY	DATE
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TRACED BY	
DESIGNED BY	
QUANTITIES BY	
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KOKEE ROAD
Scale: 1" = 10'



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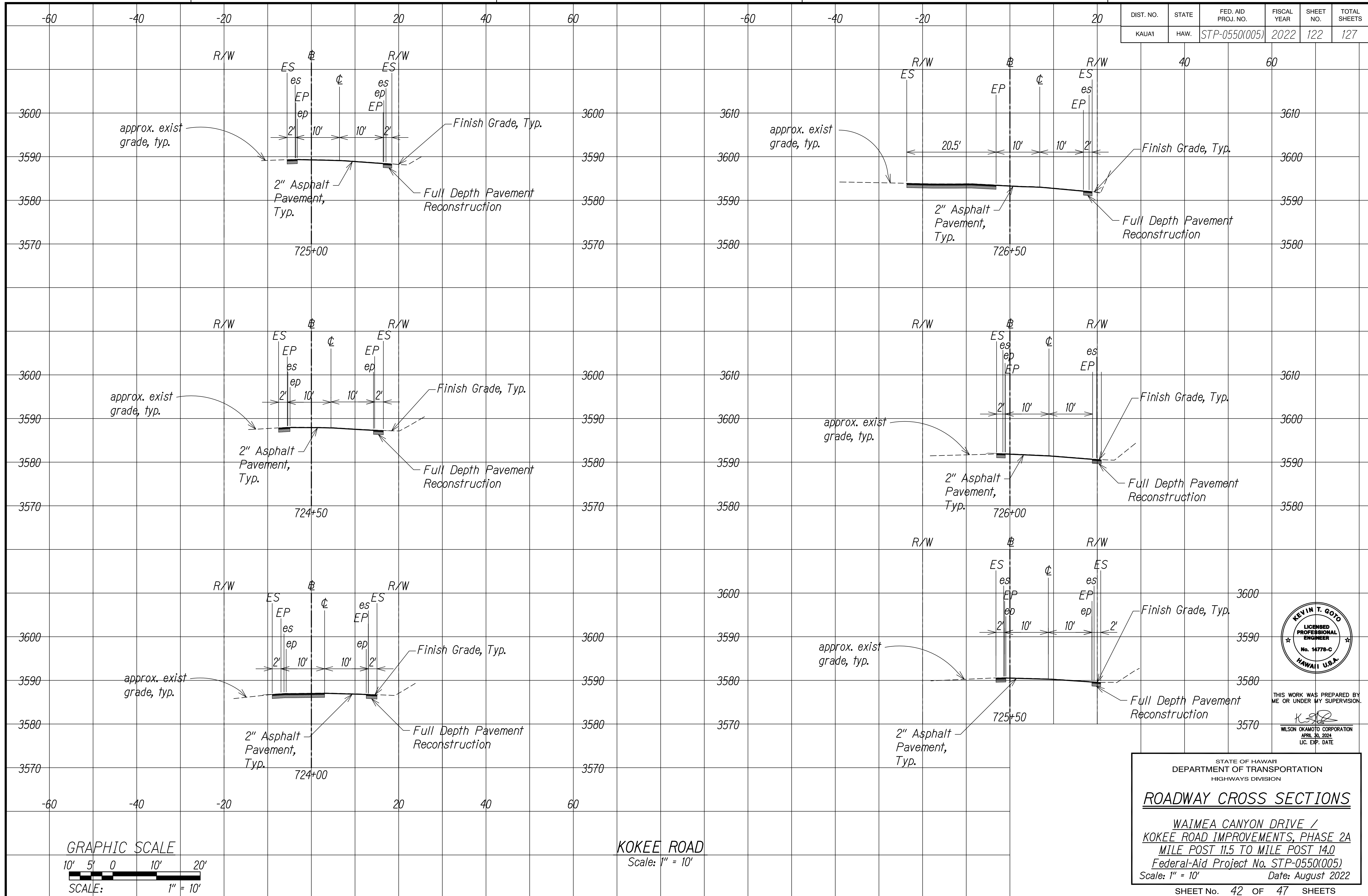
STATE OF HAWAII
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HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

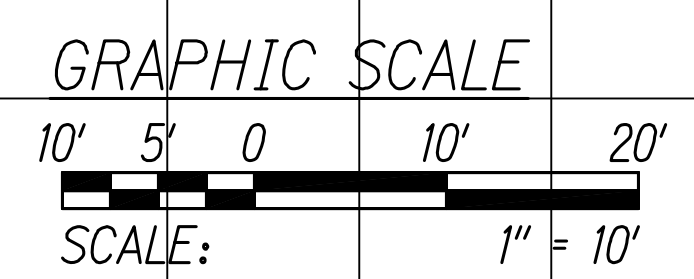
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MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 41 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	122	127



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
CHECKED BY	
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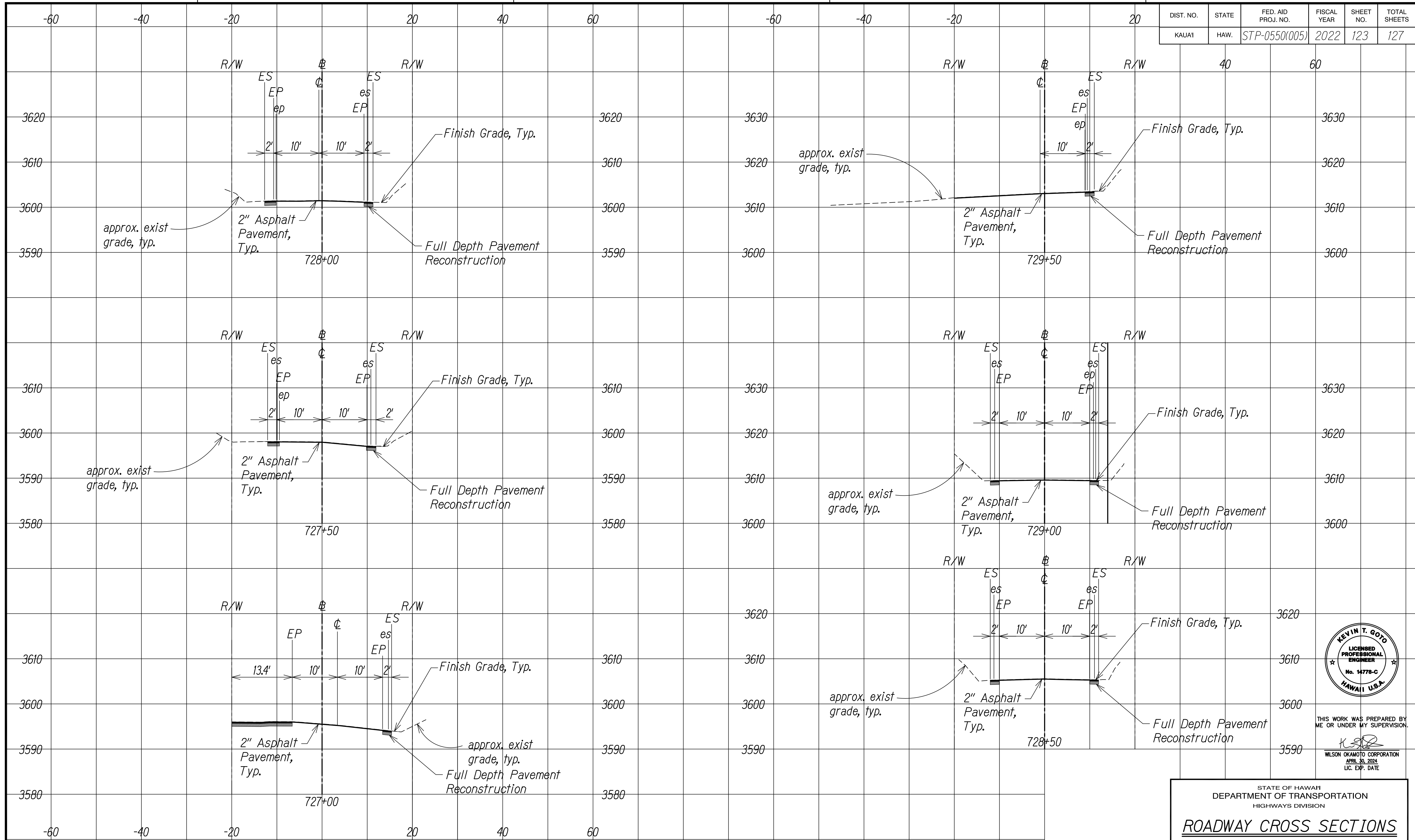
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

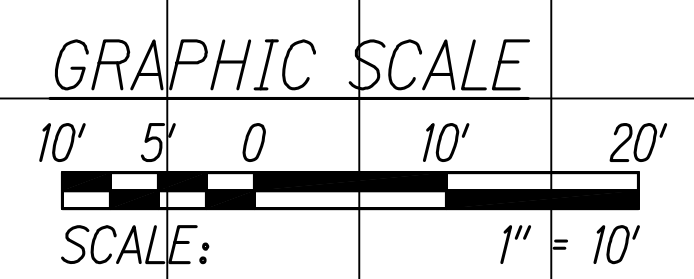
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MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 42 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	123	127



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



KOKEE ROAD
Scale: 1" = 10'



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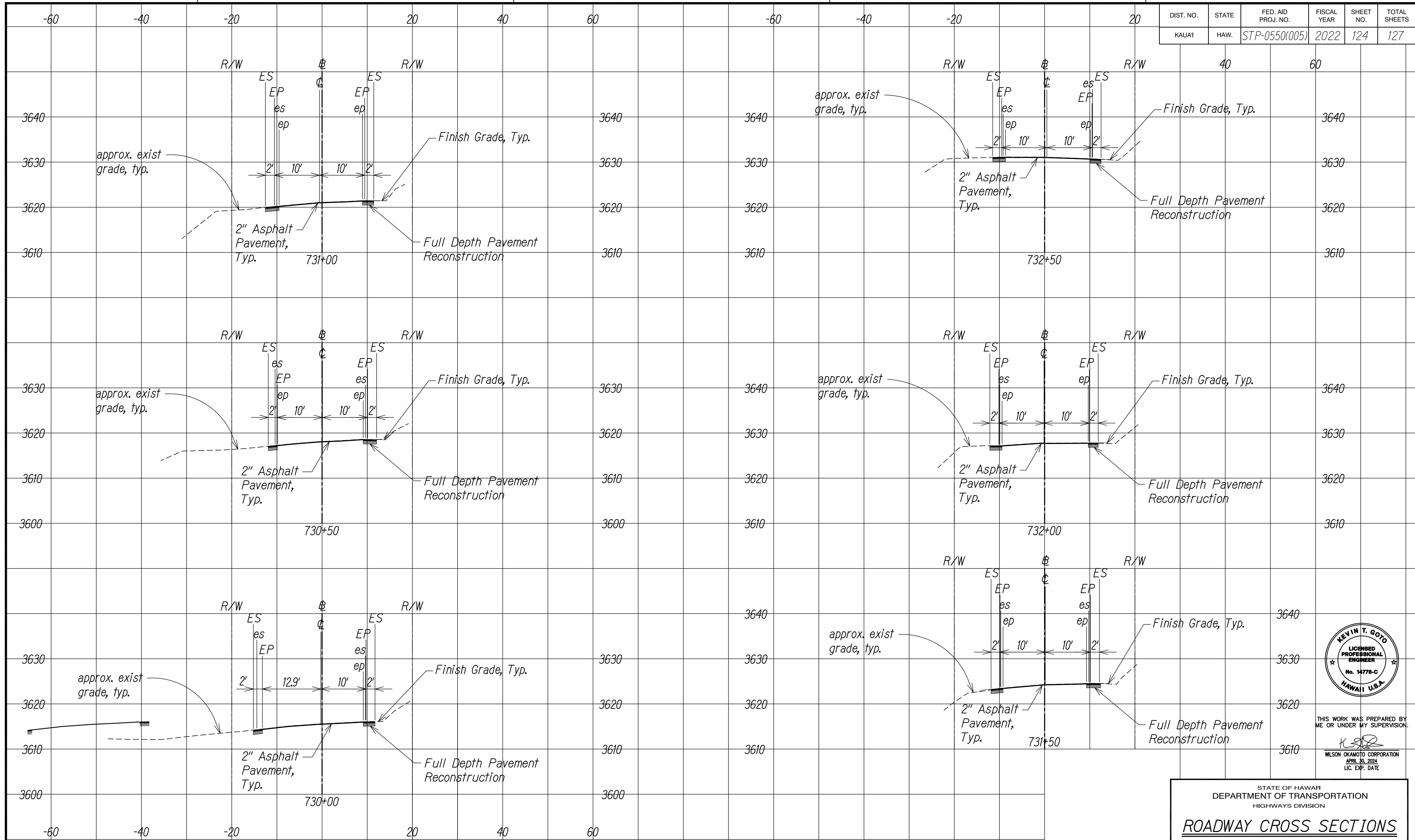
STATE OF HAWAII
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HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

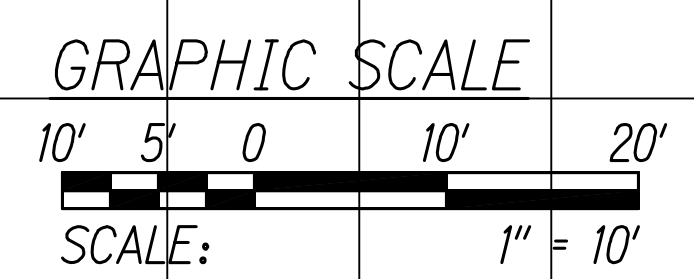
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MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 43 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	124	127



SURVEY PLOTTED BY	DATE
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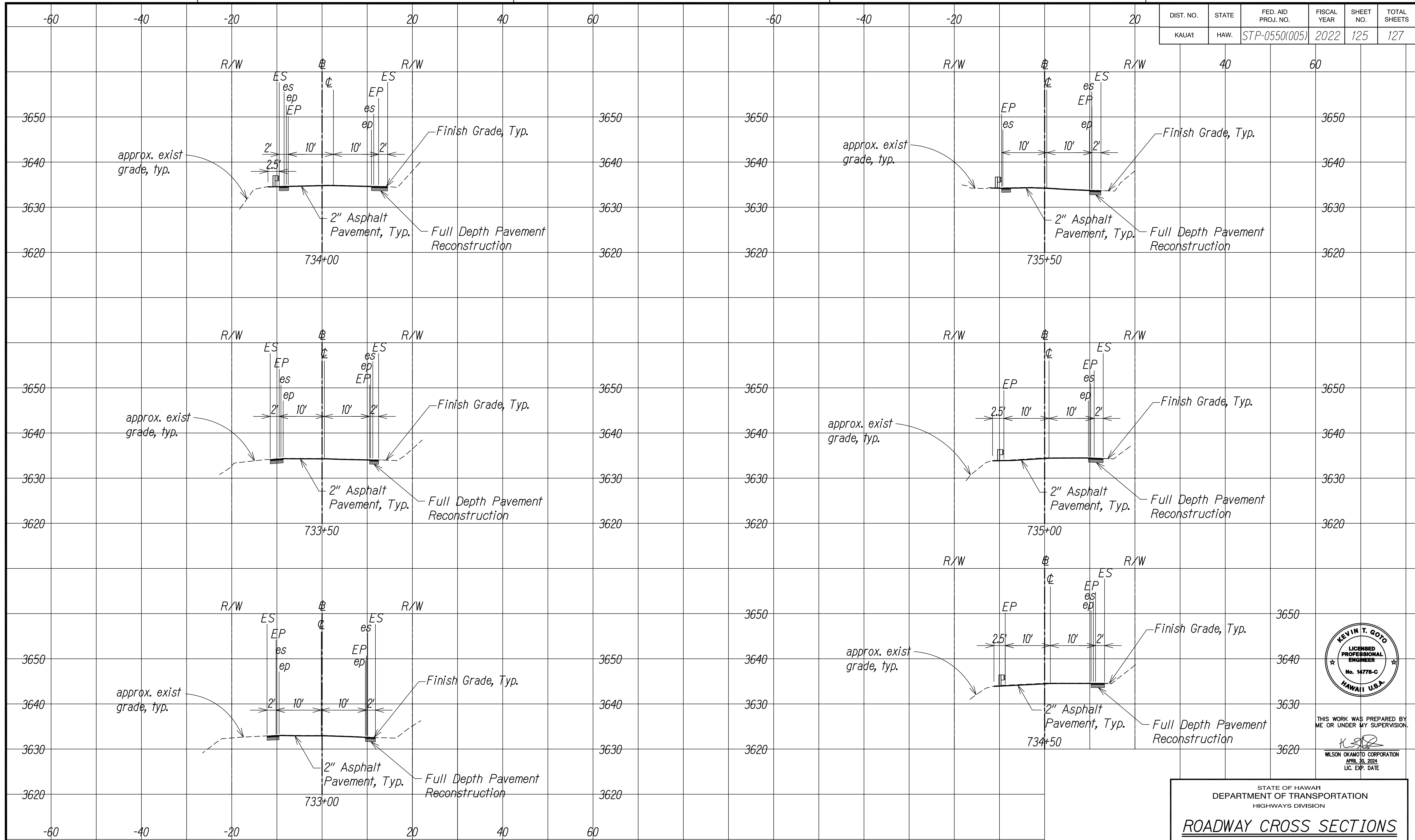
STATE OF HAWAII
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HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

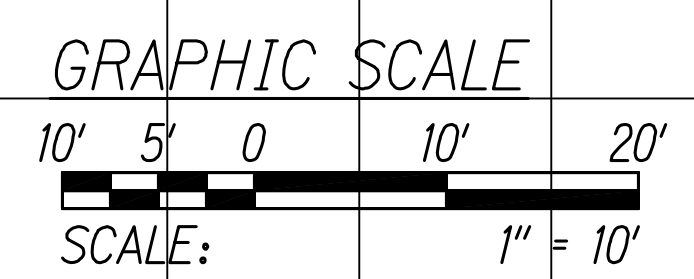
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MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 44 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	125	127



SURVEY PLOTTED BY	DATE
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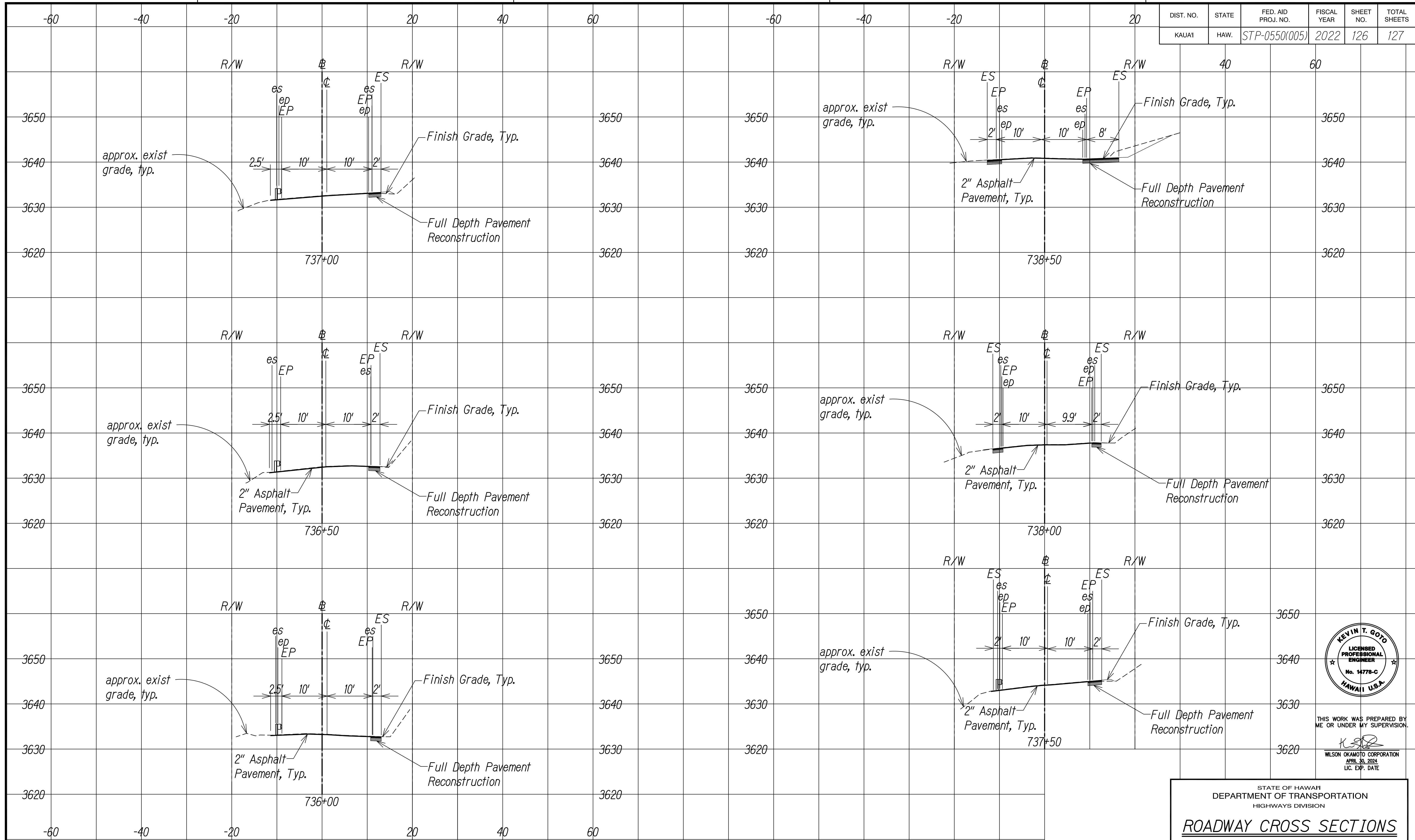
STATE OF HAWAII
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HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

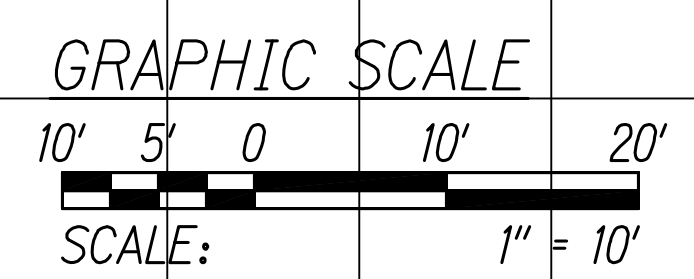
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MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 45 OF 47 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	126	127



SURVEY PLOTTED BY	DATE
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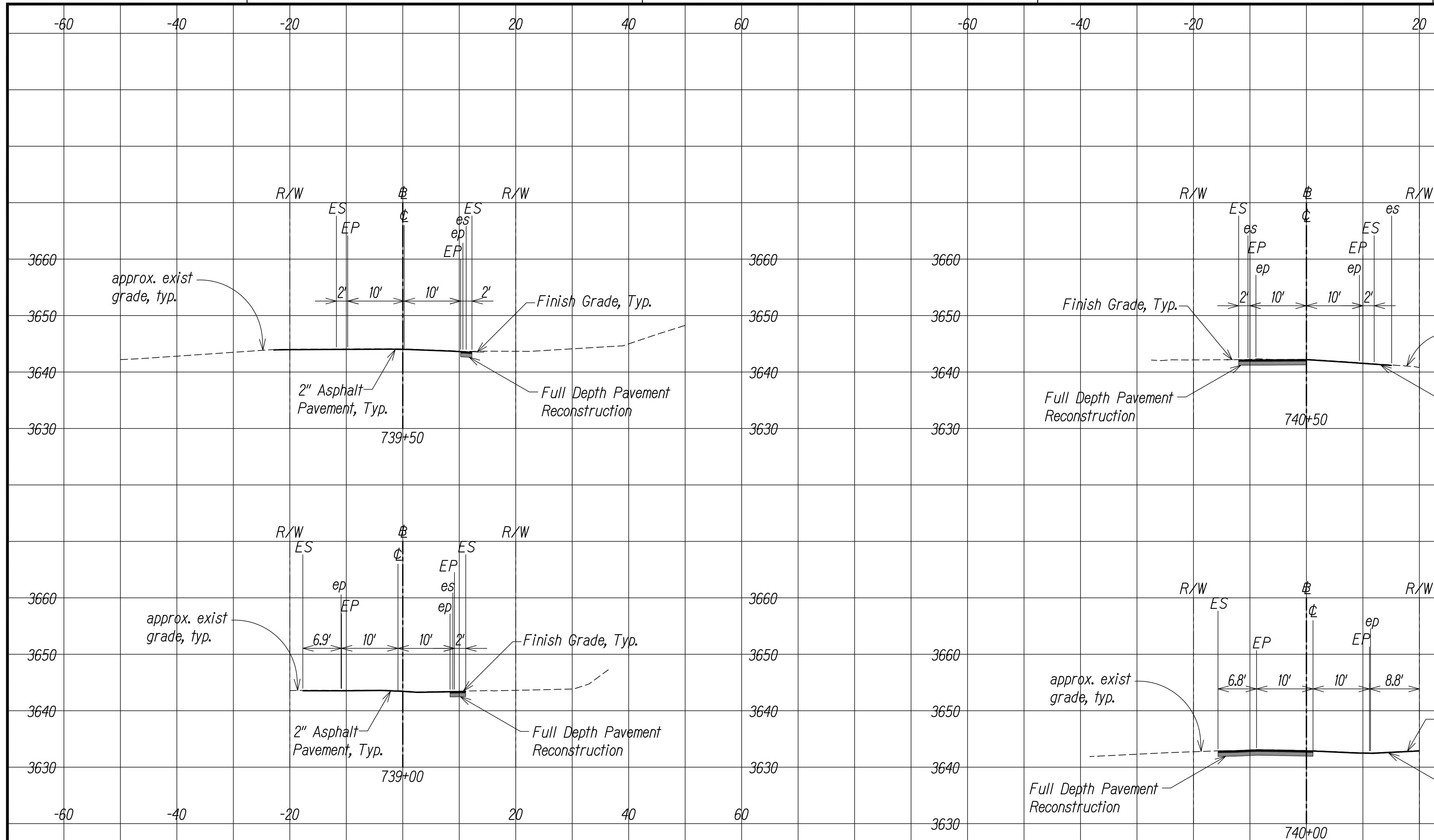
STATE OF HAWAII
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HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

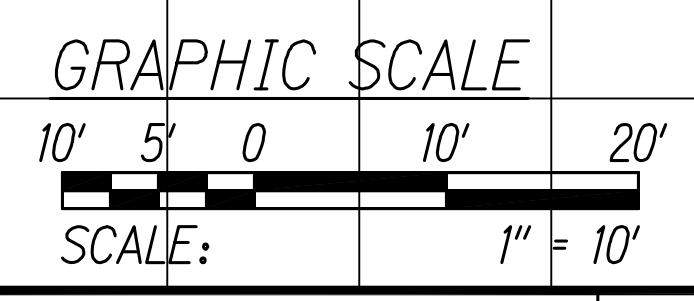
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MILE POST 11.5 TO MILE POST 14.0
Federal-Aid Project No. STP-0550(005)
Scale: 1" = 10' Date: August 2022

SHEET No. 46 OF 47 SHEETS

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



SURVEY PLOTTED BY	DATE
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CHECKED BY	
NOTE BOOK	
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Scale: 1" = 10'



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ROADWAY CROSS SECTIONS

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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