


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(33)	2016	ADD. 6	99

CONSTRUCTION NOTES FOR
TRAFFIC CONTROL PLAN

- The permittee shall make adjustments at intersections, driveways, bridges, structures, etc. To fit field conditions.
- Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- 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.
- Regulatory and warnings 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.
- Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
- When required by the issuing office, the permittee shall install a flashing arrow signal as shown on the traffic control plans.
- Sign spacing (d), taper lengths (t) and spacing of cones or delineators shall be as shown in table I, unless otherwise noted on the traffic control plans.
- All traffic lanes shall be a minimum of 10 feet wide.
- All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- 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 is not applicable or not in use.
- 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 reverse order of installation.
- Replace permanent pavement markings and traffic signs upon completion of each phase of work.
- Police officer/flagmen shall be present at all times.
- The Contractor shall make a flyer showing the changes in traffic patterns and estimated times of use. Sufficient copies of the flyer shall be provided to each business for distribution to its employees and guests.
- Contractor to provide access and/or directional signs to reroute pedestrian traffic. See General Notes No. 14 on sheet N-1. 
- The Contractor shall comply with FHWA Final Rule on Work Zone Safety and Mobility, 23 CFR 630, Subpart J.

GRADING NOTES

- All grading work shall conform to Chapter 10 of the Hawaii County Code. Should a grading permit be required, no work shall commence until the Department of Public Works approves a grading permit.
- No contractor shall perform any grading operation so as to cause falling rocks, soil or debris in any form to fall, slide or flow onto adjoining properties, streets or natural watercourses. Should such violations occur, the costs incurred for any remedial action by the County Engineer shall be payable by the contractor.
- The contractor, at his own expense, shall keep the project and surrounding area free from dust nuisance. The work shall be in conformance with The Air Pollution Control Standards and Regulations of the State Department of Health.
- The underground pipes, cables or ductlines known to exist by the Engineer from his search of records are indicated on the plans. The contractor shall verify the locations and depths of the facilities and exercise proper care in excavating in the area. Wherever connections of new utilities are shown on the plans, the contractor shall expose the existing lines at the proposed connections to verify their locations and depths prior to excavation for the new lines.
- Adequate provisions shall be made to prevent surface waters from damaging the cut face of an excavation or the sloped surfaces of a fill. Furthermore, adequate provisions shall be made to prevent sediment-laden runoff from leaving the site.
- All slopes and exposed areas shall be hydro-mulched as soon as final grades have been established. Planting shall not be delayed until all grading work has been completed. Grading to final grade shall be continuous, and any area within which work has been interrupted or delayed shall be planted. Plant species shall be submitted to the Engineer for approval prior to ordering, purchasing and installation.
- The county shall be informed of the location of the borrow/disposal site for the project when the application for a grading permit is made. The borrow/disposal site must also fulfill the requirements of the grading ordinance.
- Fill slope banks shall not exceed 2:1 and cut slope banks shall not exceed 1:1 unless otherwise noted.

EARTHWORK SUMMARY

Excavation = 2,402 cy
Embankment = 939 cy
Graded area = 1.55 acres

NOTES:


- Quantities are shown for permit purpose only and are not to be used for bidding purposes.
- Contractor is responsible to complete the grading work to the grades and dimension shown on the plans. Grades shown are finished grades. Contractor to coordinate with landscape drawings to allow for placement of topsoil.
- If imported materials are required to obtain finished grades, Contractor is required to import suitable material as specified at the Contractor's expense.

GRADING NOTES (Cont.)

- The Contractor shall remove all vegetation before placing fills on natural ground surface.
- Fills shall be compacted to 90 percent (90%) of the maximum density per ASTM D-1557 test.
- No grading work shall be done on Saturdays, Sundays and holidays at any time without prior notice to the County of Hawaii Department of Public Works.
- The limits of the area to be graded shall be flagged before the commencement of the grading work.
- All grading operations shall be performed in conformance with the applicable provisions of the Water Pollution Control and Water Quality Standards contained in Hawai'i Administrative Rules, Chapter 11-55, "Water Pollution Control" and Chapter 11-54, "Water Quality Standards" and the "Erosion and Sedimentation Control Standards and Guidelines" of the Department of Public Works County of Hawaii, and if applicable, the NPDES permit for the project.
- If the grading work involves contaminated soil, then all grading work shall be done in conformance with applicable state and federal requirements.
- Non-compliance to any of the above requirements shall mean immediate suspension of all work, and remedial work shall commence immediately. All costs incurred shall be billed to the contractor and/or grading permit applicant. Furthermore, violators shall be subjected to administrative, civil and/or criminal penalties.
- The Contractor shall comply with Section 671-Protection of Endangered Species, in regards to grading and clearing and grubbing.

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

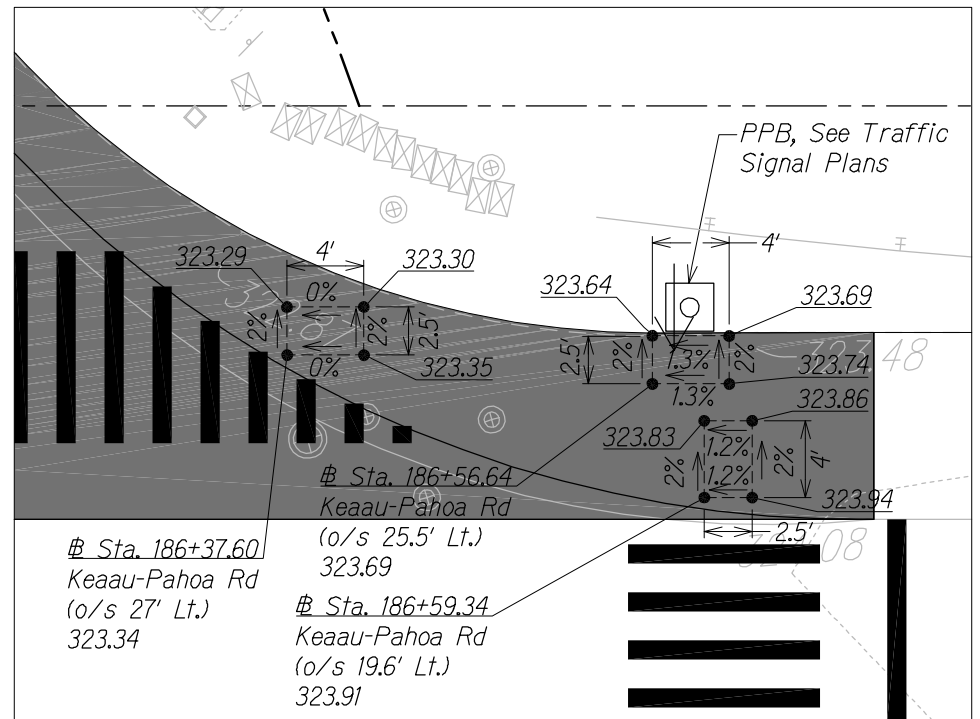
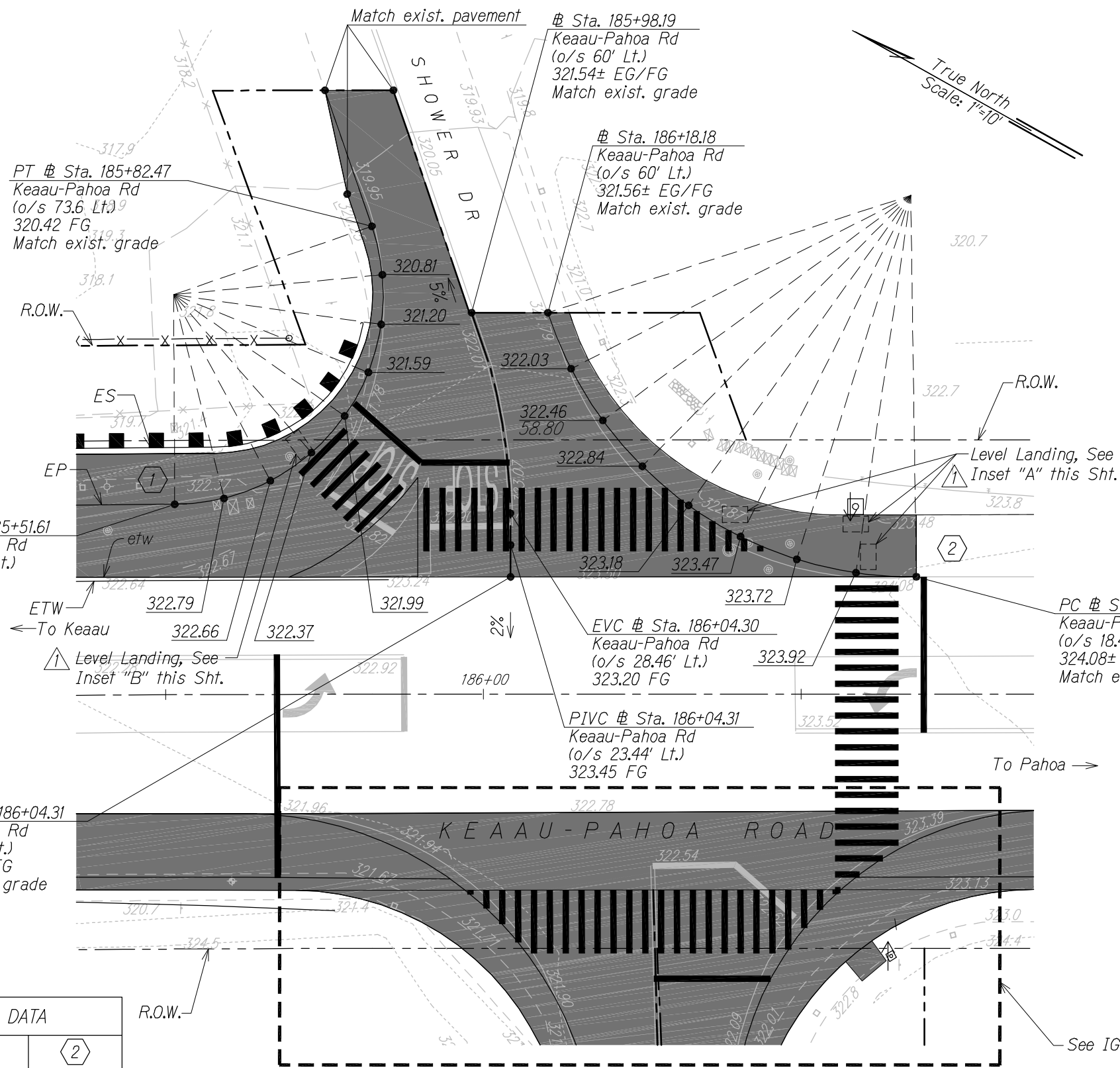


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WILSON OKAMOTO CORPORATION L.C. EXP. DATE APRIL 30, 2018

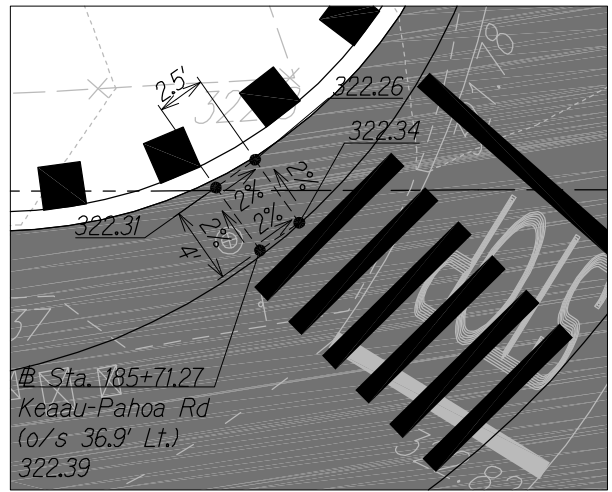
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
NOTES	
KEAAU-PAHOA ROAD, SHOULDER LANE CONVERSION, PHASE 2 Shower Drive Intersection Improvements Fed. Aid Proj. No. STP-0130(33)	
Scale:	Date: March 2016
SHEET No. N-4 OF 7 SHEETS	

 r6/1/16	Revised Construction Notes for Traffic Control Plan No.15
DATE	REVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(33)	2016	ADD. 45	99



INSET "A"
Scale: 1"=5'



INSET "B"
Scale: 1"=5'



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APRIL 30, 2018
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

CURVE DATA		
	1	2
Δ	108°42'12"	72°56'07"
Δ/2	54°21'06"	36°28'03"
R	33.00	60.00
T	46.01	44.35
Ch	53.63	71.32
Lc	62.61	76.38

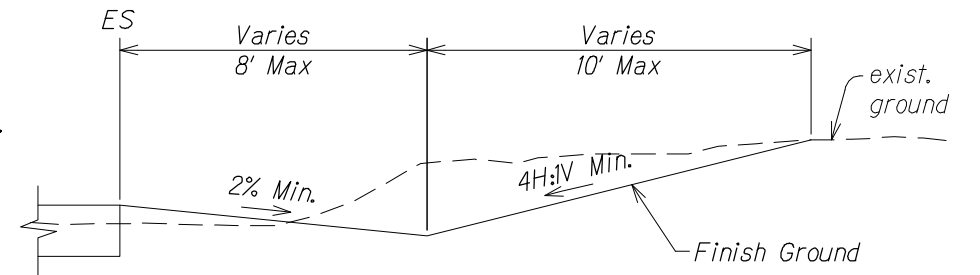
△ r6/1/16 Added Level Landings

DATE REVISION


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
INTERSECTION GRADING PLAN

KEAAU-PAHOA ROAD, SHOULDER
LANE CONVERSION, PHASE 2
Shower Drive Intersection Improvements
Fed. Aid Proj. No. STP-0130(33)
Scale: 1" = 10' Date: March 2016
SHEET No. IGP-2 OF 3 SHEETS

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

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WILSON OKAMOTO CORPORATION

APRIL 30, 2018

LIC. EXP. DATE

1	r6/1/16	Added Level Landings
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DATE	REVISION
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