

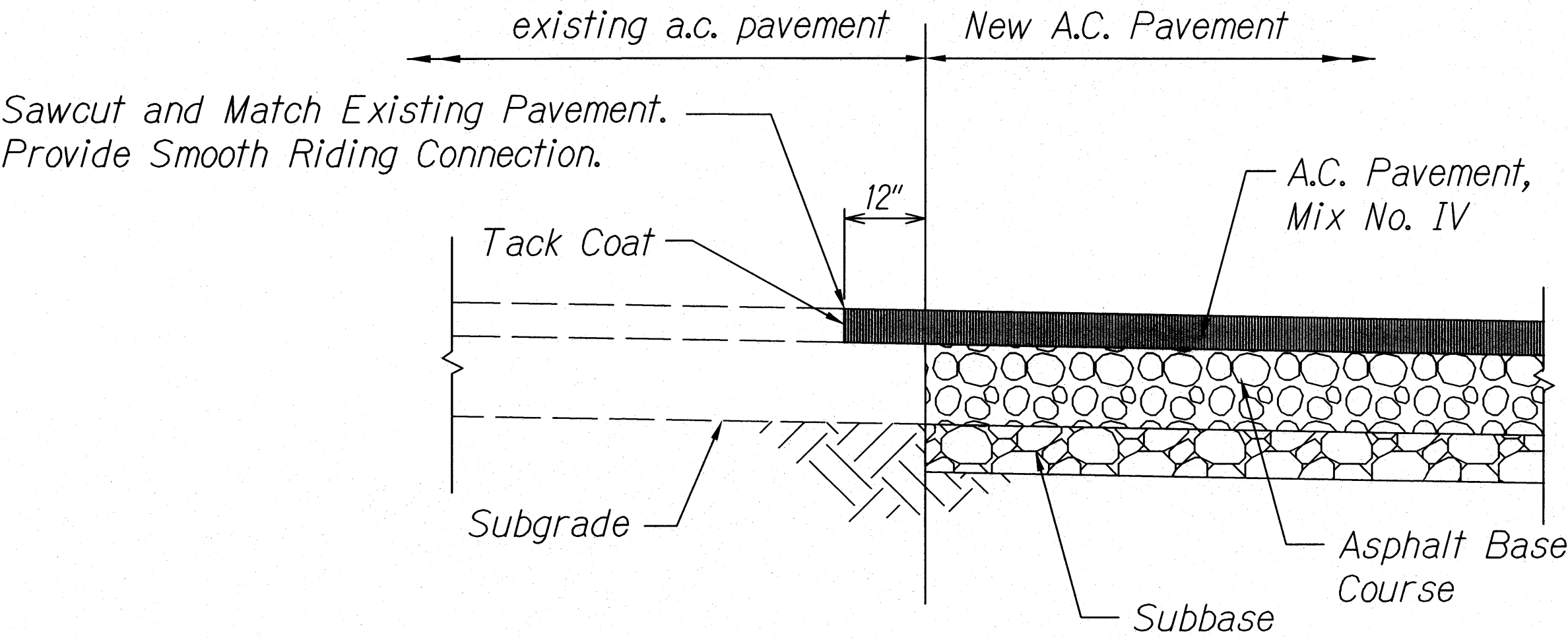
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(22)	2009	4	88

GRADING NOTES:

1. 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 (DPW) approves a grading permit.
2. The Contractor shall remove all silt and debris deposited in drainage facilities, roadways and other areas resulting from his work. The costs incurred for any necessary remedial action by the State shall be payable by the Contractor.
3. The Contractor, at his own expense, shall keep the project and surrounding areas free from dust nuisances. The work shall be in conformance with the Air Pollution Control rules of the State Department of Health, HAR 11-60.1, Fugitive Dust.
4. All grading operations shall be performed in conformance with the applicable provisions of the Hawaii Administrative Rules, Title 11, Chapter 55, Water Pollution Control and Chapter 54, Water Quality Standards, and to the Erosion and Sedimentation Control Standards and Guidelines of the Department of Public Works, County of Hawaii.
5. The Contractor shall sod or plant all slopes and exposed areas immediately after the grading work has been completed.
6. Fill on slopes steeper than 5:1 shall be keyed.
7. The Contractor shall inform the DPW of the location of the disposal and/or borrow site(s) required for this project when an application for a grading permit is made. The disposal and/or borrow site(s) must also fulfill the requirements of the grading ordinance.
8. No grading work shall be done on Saturdays, Sundays and holidays at any time without prior approval from the State or, if a Grading Permit is required, from the Department of Public Works. Grading work on normal working days shall be between the hours of 7:00 a.m. to 3:30 p.m. M-F
9. Fills shall be compacted to 90 percent of its maximum dry density per ASTM D-1557 test.
10. The Contractor shall remove all vegetation before placing fills on natural ground surface.
11. Estimated earthwork quantities do not include allowances for shrinkage, compaction, and other losses.
12. The contractor is responsible for verifying all earthwork quantities and field conditions.

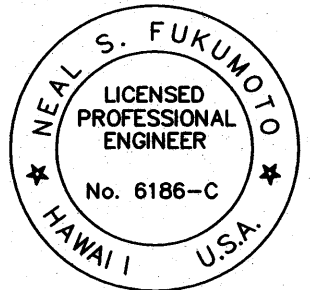
LEGEND:

- oup Existing Utility Pole  
Ygw Existing Guy Wire  
-□-□- Existing Guardrail  
-■-■- New Guardrail  
Full Pavement Section  
New CRM Wall  
New GRP  
Existing CRM Wall  
Cold Plane and Resurface  
Existing Rock Slope  
- - - - State Right of Way  
---O/H--- Existing Electrical Overhead  
---d<sub>36</sub>--- Existing Drainage Culvert  
--- Crack



PAVEMENT CONNECTION DETAIL  
NOT TO SCALE

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



This work was prepared by me  
or under my supervision.  
Exp. 04-30-10

*Wesley R. Segawa*  
Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b><u>GRADING NOTES, LEGEND AND DETAILS</u></b>	
EMERGENCY EARTHQUAKE ROCKFALL REPAIRS VARIOUS LOCATIONS ON HAWAII, UNIT 4 Federal Aid Project No. ER-15(22)	
Scale: NTS	Date: Dec. 2009
SHEET No. 1 OF 1 SHEETS	