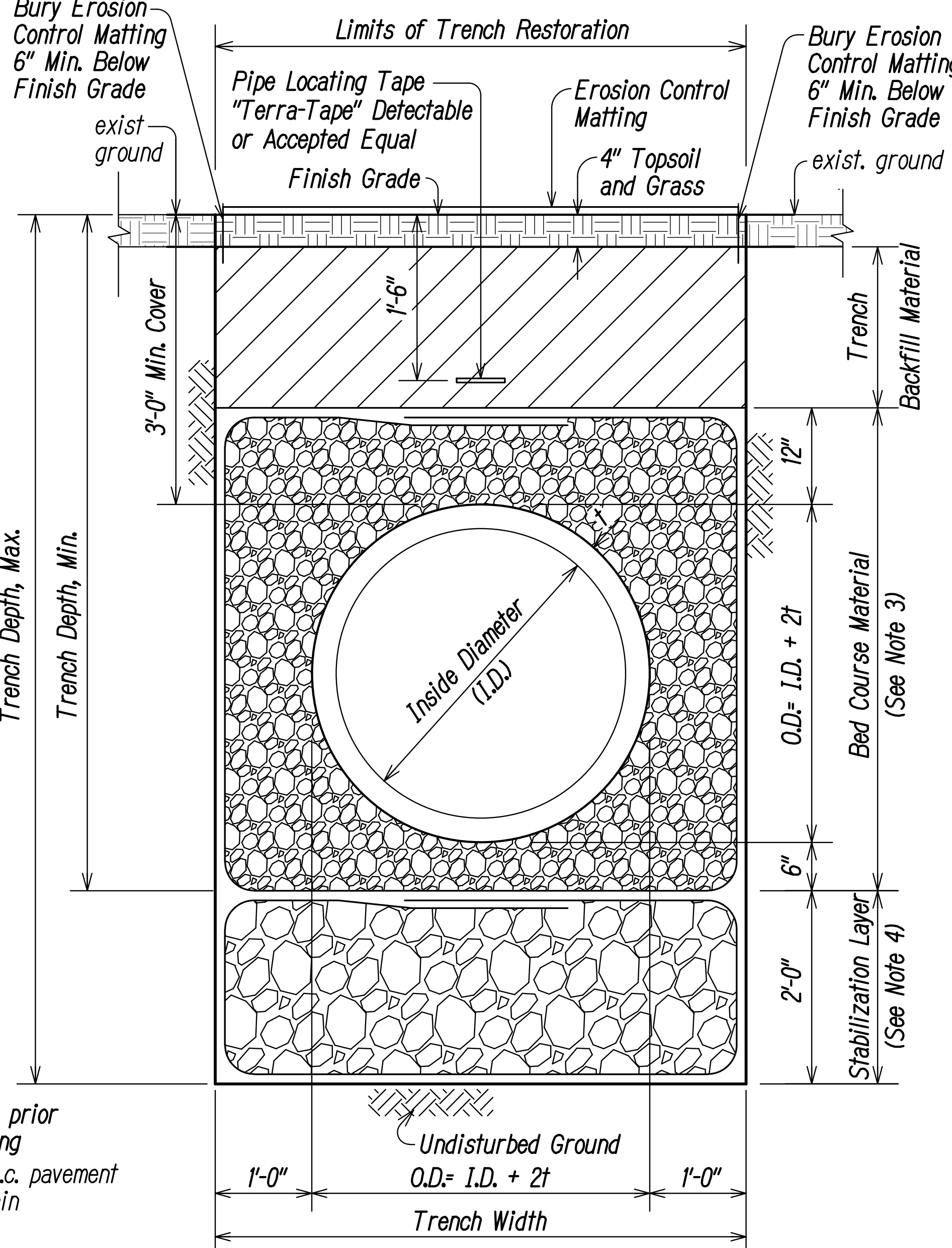
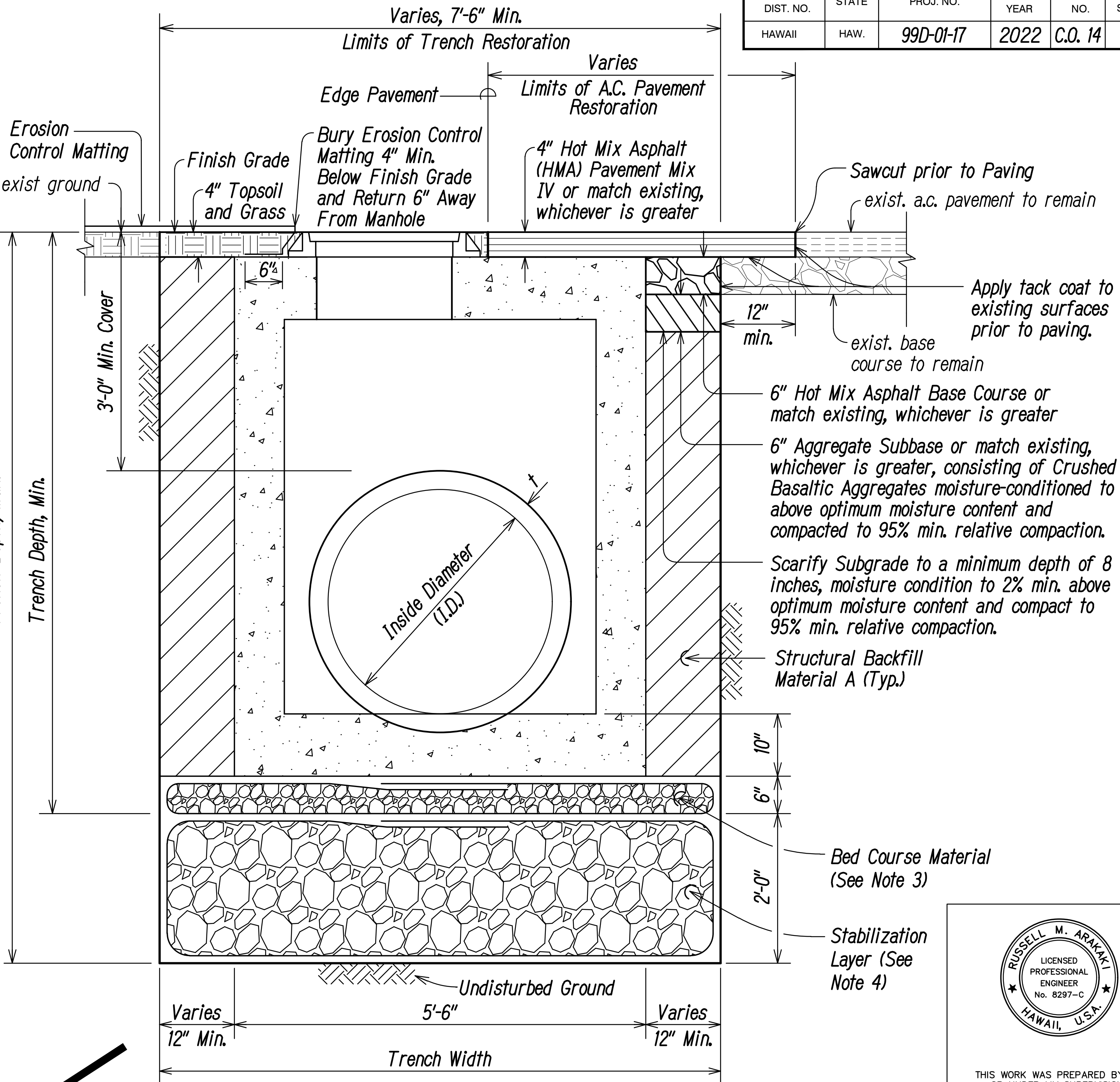


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99D-01-17	2022	C.O. 14	35

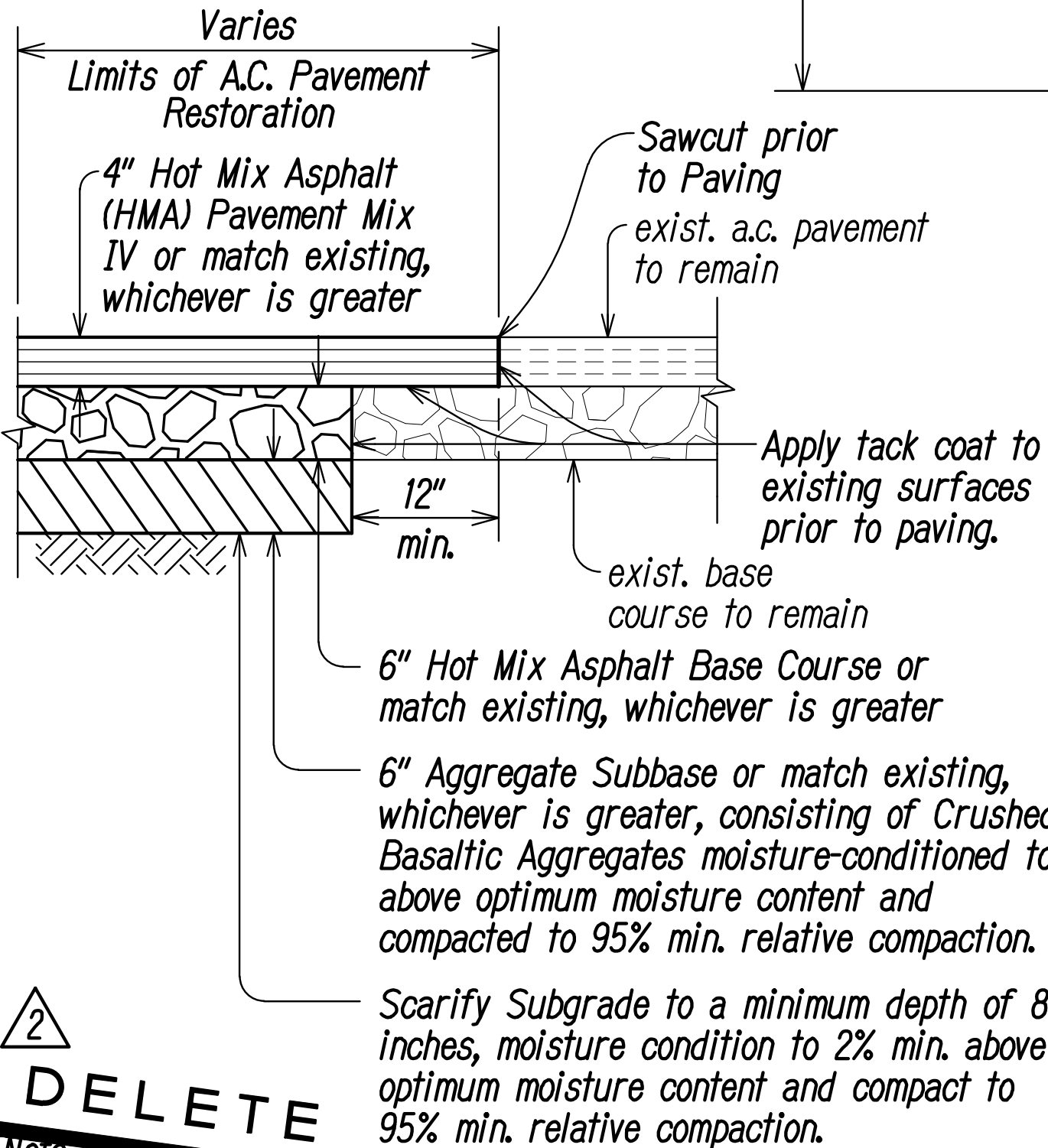
- Notes:**
- Remove exist. glassphalt concrete base course if the distance from the trench to the edge of pavement is less than 2-feet. Recompact subgrade and install 6" min. thick Hot Mix Asphalt Base Course.
  - The Contractor shall install Erosion Control Matting over all excavated, graded and disturbed area to be grassed. Additional Erosion Control Matting installed over disturbed area not identified on the plans will not be paid for separately but shall be considered incidental to Item No. 663.0100 Erosion Control Matting.
  - Bed Course Material shall consist of No. 3B Fine (ASTM C33 No. 67 Gradation) Basalt Aggregate wrapped in non-woven filter fabric (Mirafi 180N or equivalent).
  - Contractor shall over-excavate to a depth of 2 feet min. if soft and/or loose soil is encountered as determined by the Engineer. Install 2 feet min. thick Stabilization Layer consisting of No. 2 (ASTM C33, No. 4 Gradation) Basalt Aggregate wrapped in Non-woven Filter Fabric (Mirafi 180N or equivalent).



**TYPICAL TRENCH DETAIL FOR CULVERTS (NON-PAVED AREAS)**  
Scale: 1" = 1'-0"

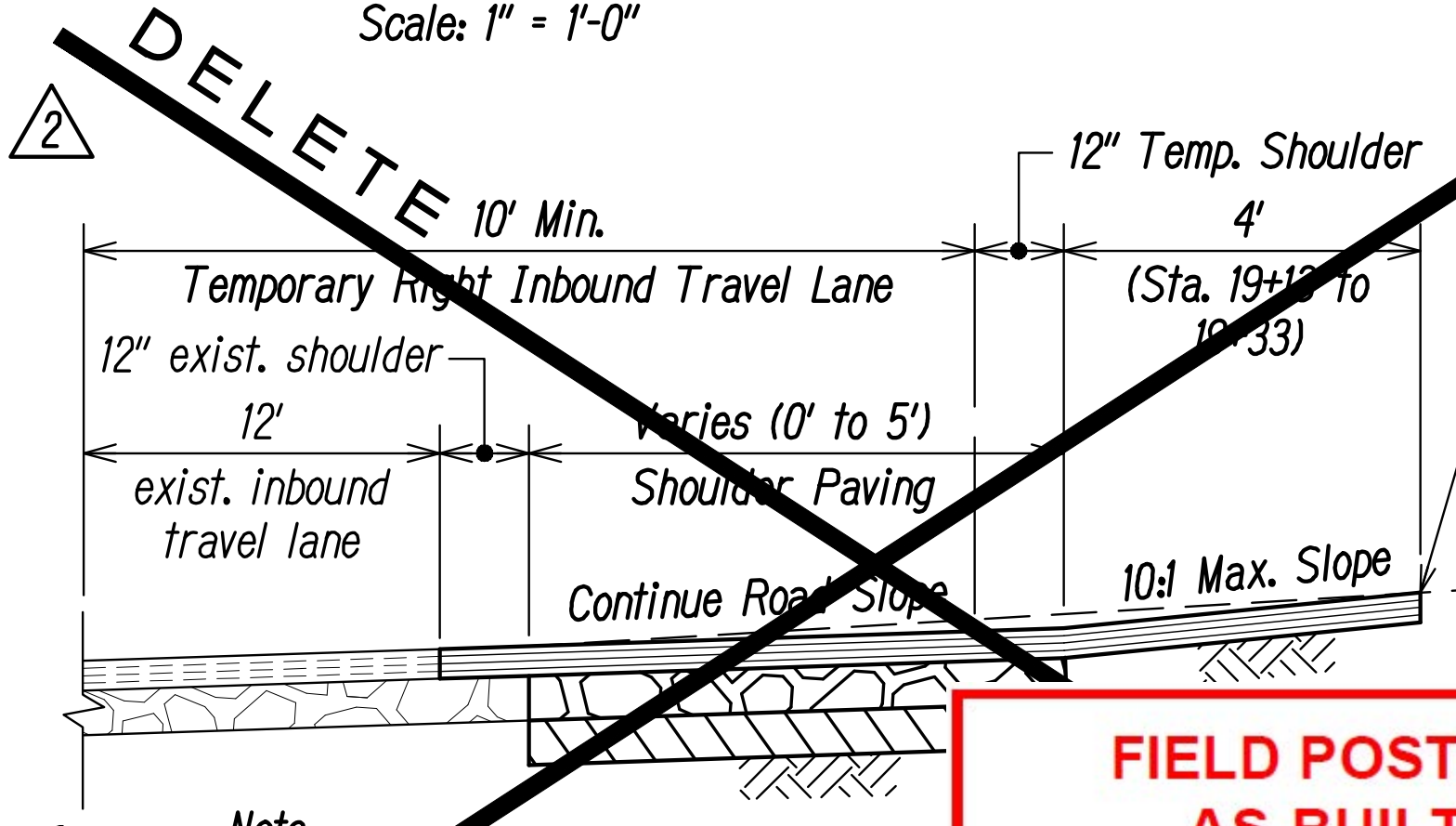


**TYPICAL TRENCH DETAIL FOR CULVERTS (PAVED AREAS)**  
Scale: 1" = 1'-0"



**DELETE**  
**Note:**  
Where there is a grade difference between existing and new a.c. pavement, provide transition as shown in Typical Pavement Transition, this sheet.

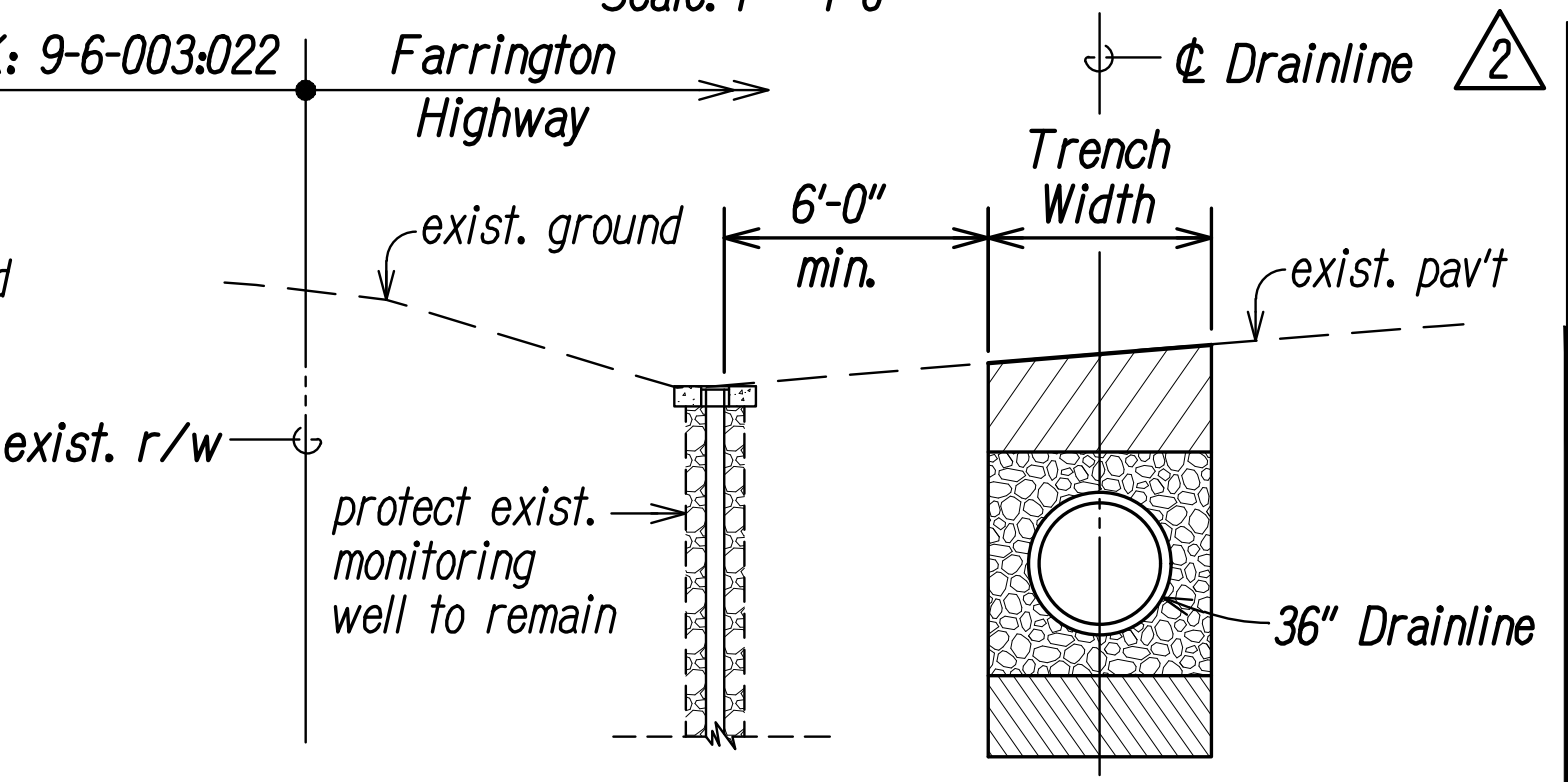
**TYPICAL A.C. PAVEMENT RESTORATION**  
Scale: 1" = 1'-0"



**DELETE**  
**Note:**  
See Typical A.C. Pavement Restoration, beneath Temporary Right Inbound Travel Lane.

**TYPICAL A.C. PAVEMENT FOR RIGHT INBOUND TRAVEL LANE**  
Scale: 1/2" = 1'-0"

**FIELD POSTED AS-BUILT**  
Certified By: Sam Ramos, Project Engineer  
Integrated Construction, Inc.  
Date: November 30, 2022



**TYPICAL SECTION A**  
Scale: 1/2" = 1'-0"



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Russell M. Ariuki  
Professional Engineer  
APRIL 30, 2022  
LIC. EXP. DATE

03/07/22 Deleted Typical A.C. Pavement for Right Inbound Shoulder Detail and Replaced with Details on Sheet No. D3A.

DATE REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DRAINAGE DETAILS**

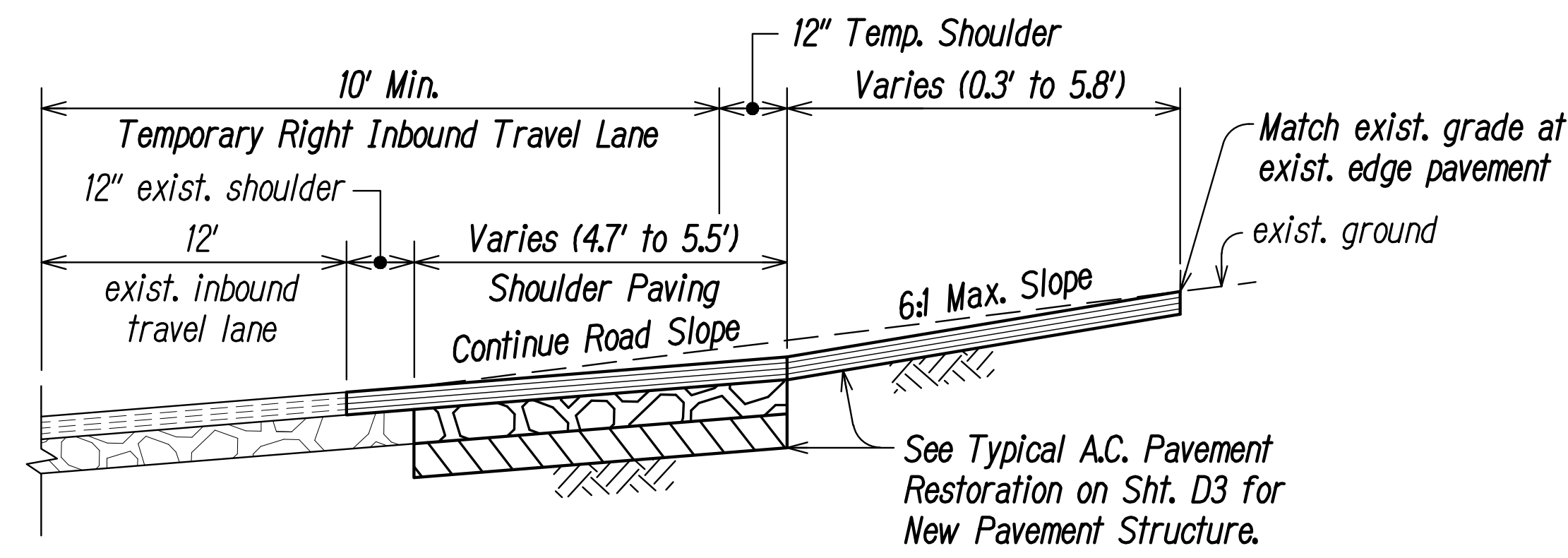
FARRINGTON HIGHWAY  
Drainage Improvements  
Vicinity of Leeward Community College  
PROJECT NO. 99D-01-17

Scale: As Shown Date: June 2021

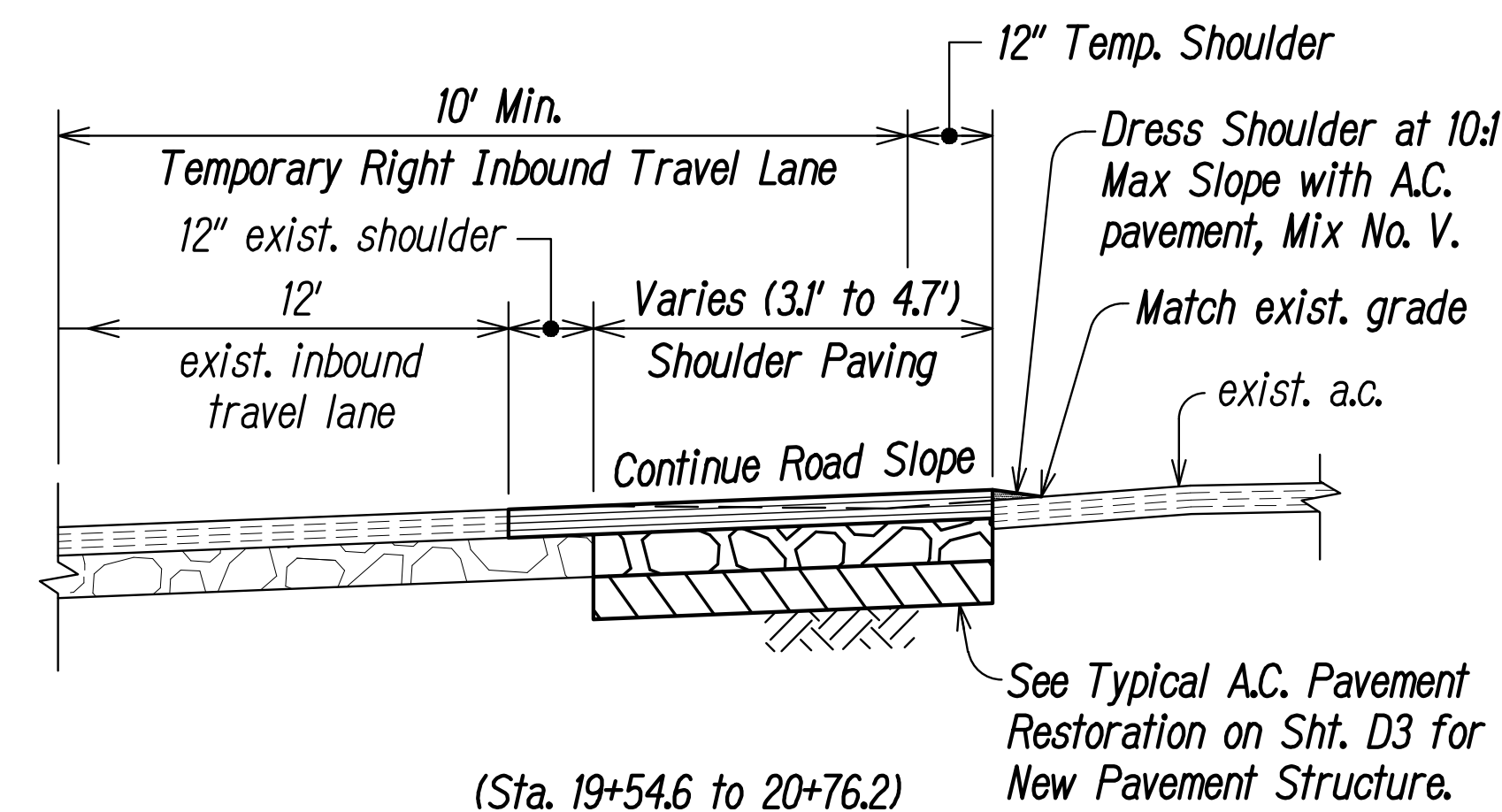
SHEET No. D3 OF D4 SHEETS



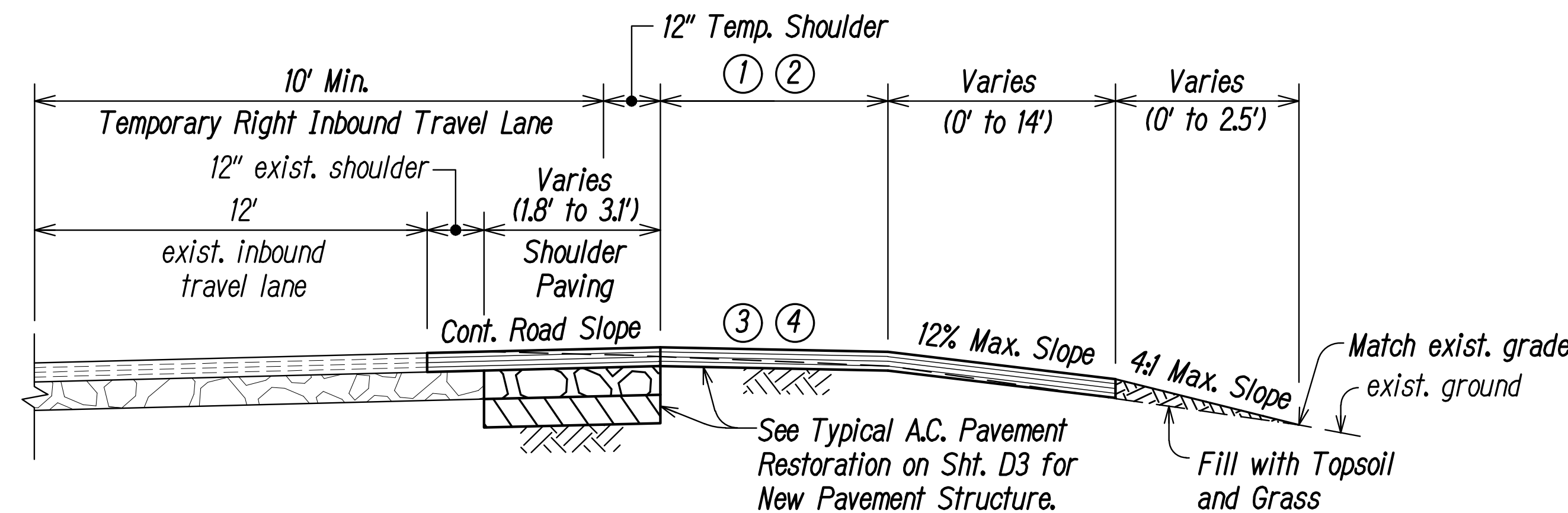
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99D-01-17	2022	C.O. 14 S-1	35



(Sta. 19+10.5 to 19+54.6)  
**2 TYPICAL A.C. PAVEMENT FOR RIGHT INBOUND SHOULDER**  
Scale: 1/2" = 1'-0"

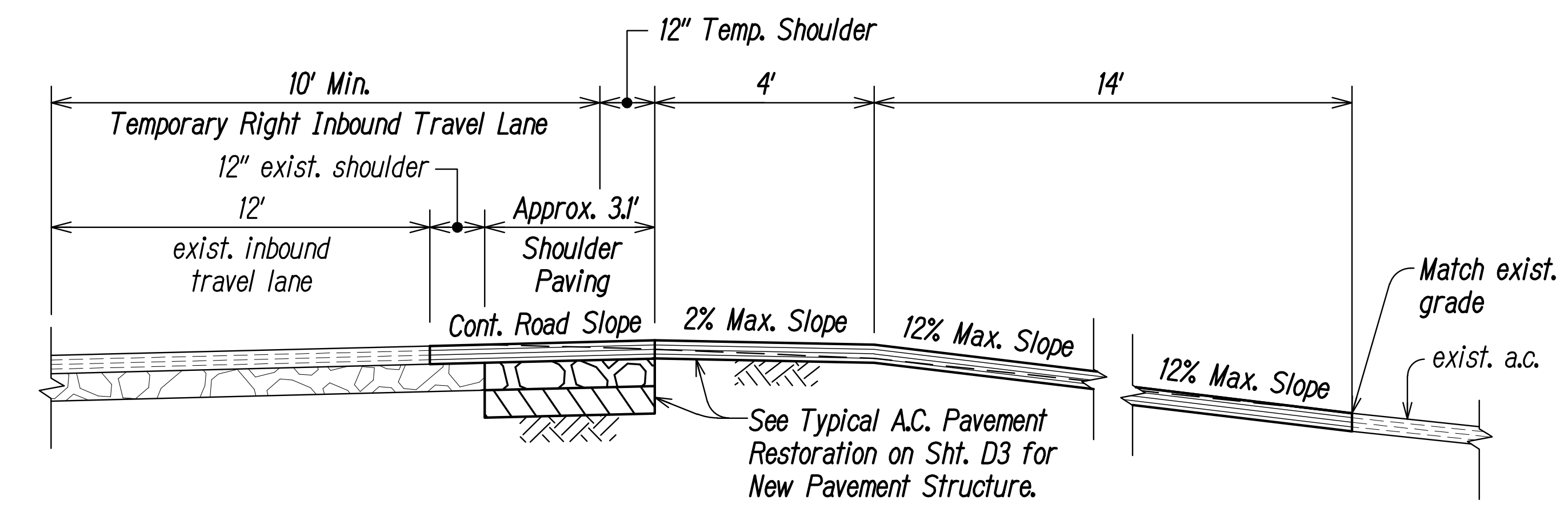


(Sta. 19+54.6 to 20+76.2)  
**2 TYPICAL A.C. PAVEMENT FOR RIGHT INBOUND SHOULDER**  
Scale: 1/2" = 1'-0"

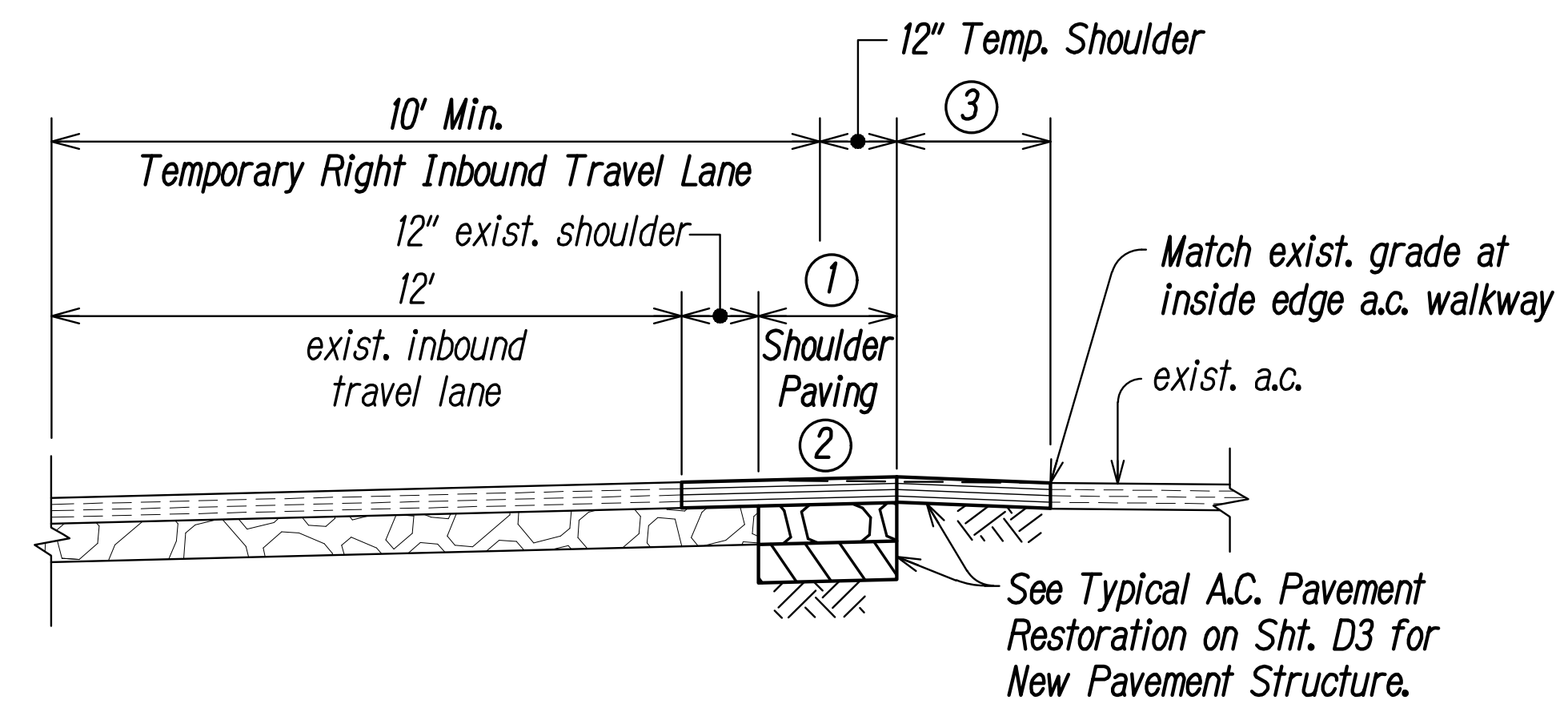


- ① 4' (Sta. 20+76 to 20+98.3 and Sta. 21+16.3 to 21+26)
- ② Varies - Match exist. outside edge a.c. (Sta. 21+26 to 21+46)
- ③ 2% Max. Slope (Sta. 20+76 to 20+98.3 and Sta. 21+16.3 to 21+26)
- ④ 4% Max. Slope (Sta. 21+26 to 21+46)

(Sta. 20+76.2 to 20+98.3 and Sta. 21+16.3 to 21+45.9)  
**2 TYPICAL A.C. PAVEMENT FOR RIGHT INGROUND SHOULDER AND PORTION OF EXIST. DRIVEWAY**  
Scale: 1/2" = 1'-0"



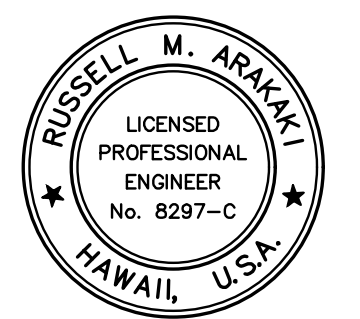
(Sta. 20+98.3 to Sta. 21+16.3)  
**2 TYPICAL A.C. PAVEMENT FOR EXIST. DRIVEWAY**  
Scale: 1/2" = 1'-0"



- ① Varies (0.6' to 1.8')
- ② Continue Road Slope
- ③ Varies (1.7' to 2.4')

(Sta. 21+45.9 to 21+63)  
**2 TYPICAL A.C. PAVEMENT FOR RIGHT INBOUND SHOULDER**  
Scale: 1/2" = 1'-0"

**FIELD POSTED AS-BUILT**  
Certified By: Sam Ramos, Project Engineer  
Integrated Construction, Inc.  
Date: November 30, 2022



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
Russell M. Araki APRIL 30, 2022  
Lic. Exp. Date

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**A.C. PAVEMENT DETAILS**  
FARRINGTON HIGHWAY  
Drainage Improvements  
Vicinity of Leeward Community College  
PROJECT NO. 99D-01-17  
Scale: As Shown Date: June 2021  
SHEET No. D3A OF D4 SHEETS

DATE	REVISION
03/07/22	Added New Sheet to include A.C. Pavement Details

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