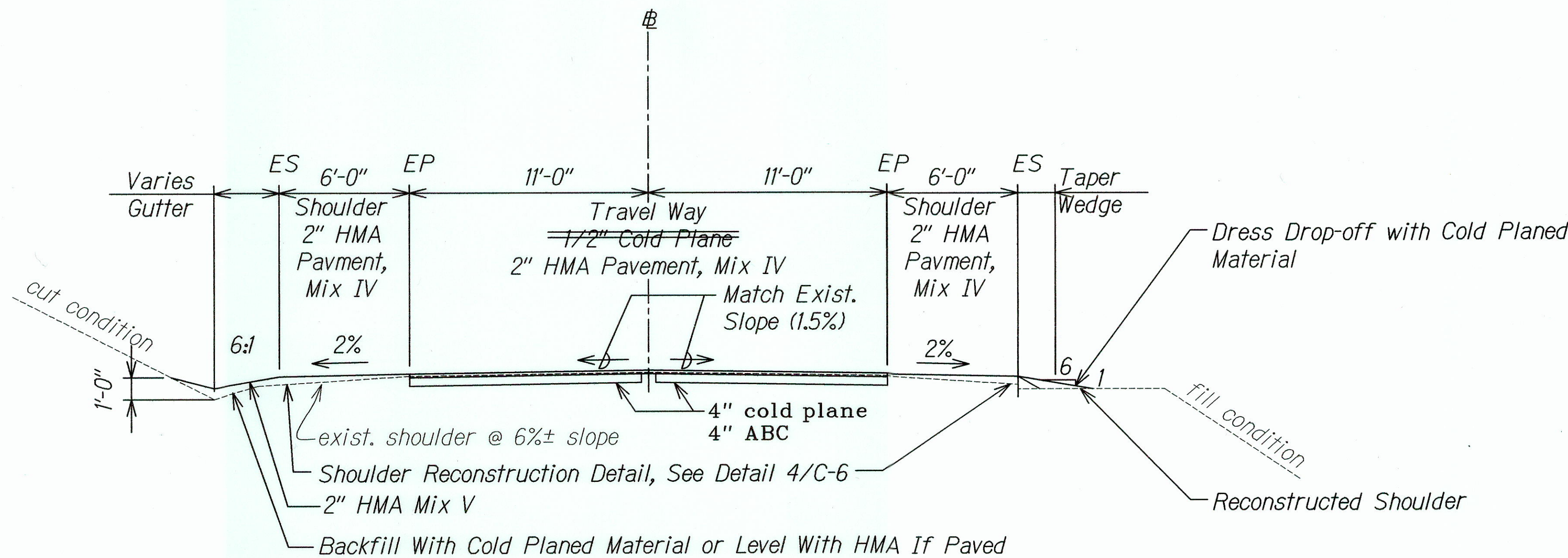
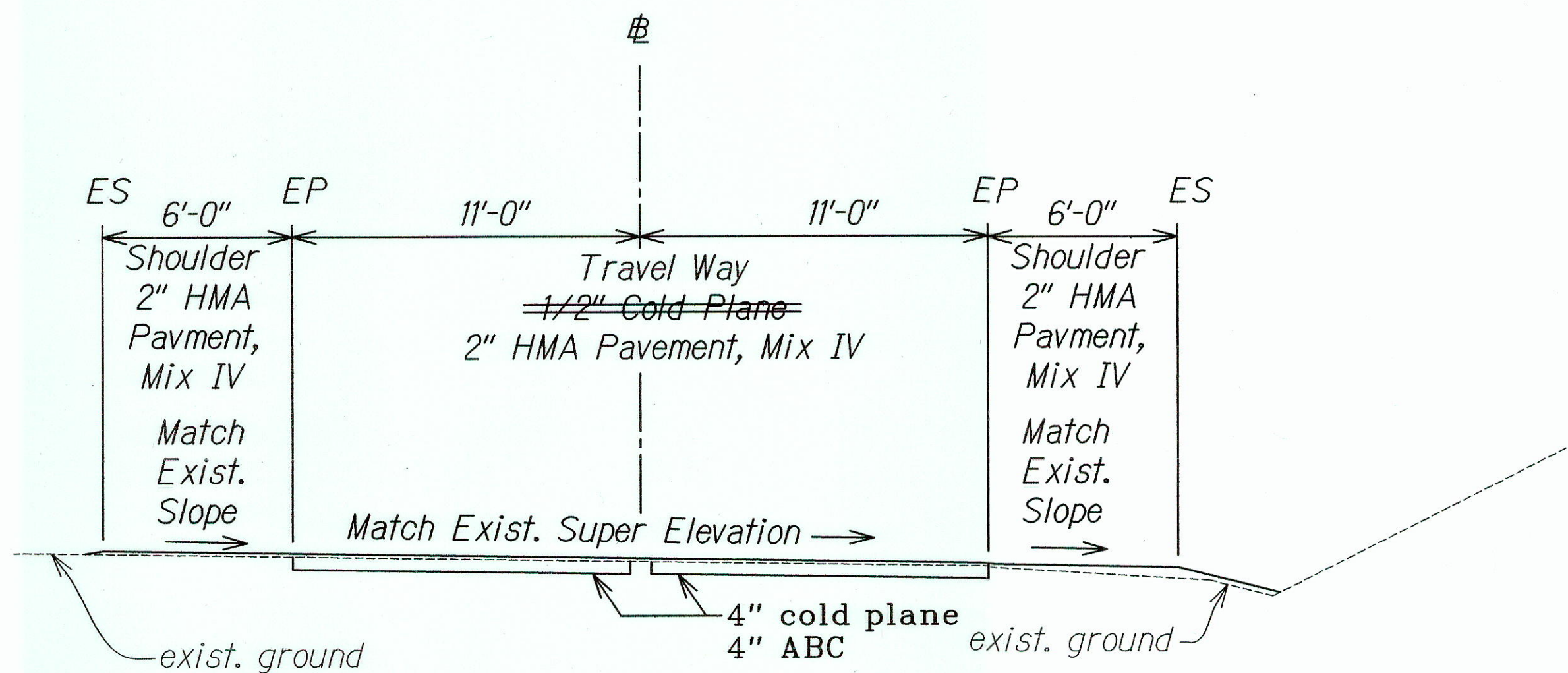
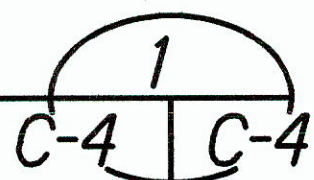


FED. ROAD DIST. NO.	STATE	FEDERAL PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	STP-0190(015)	2011	6	59



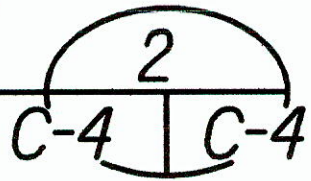
TYPICAL CROWNED SECTION

Scale: 1/4"= 1'-0"



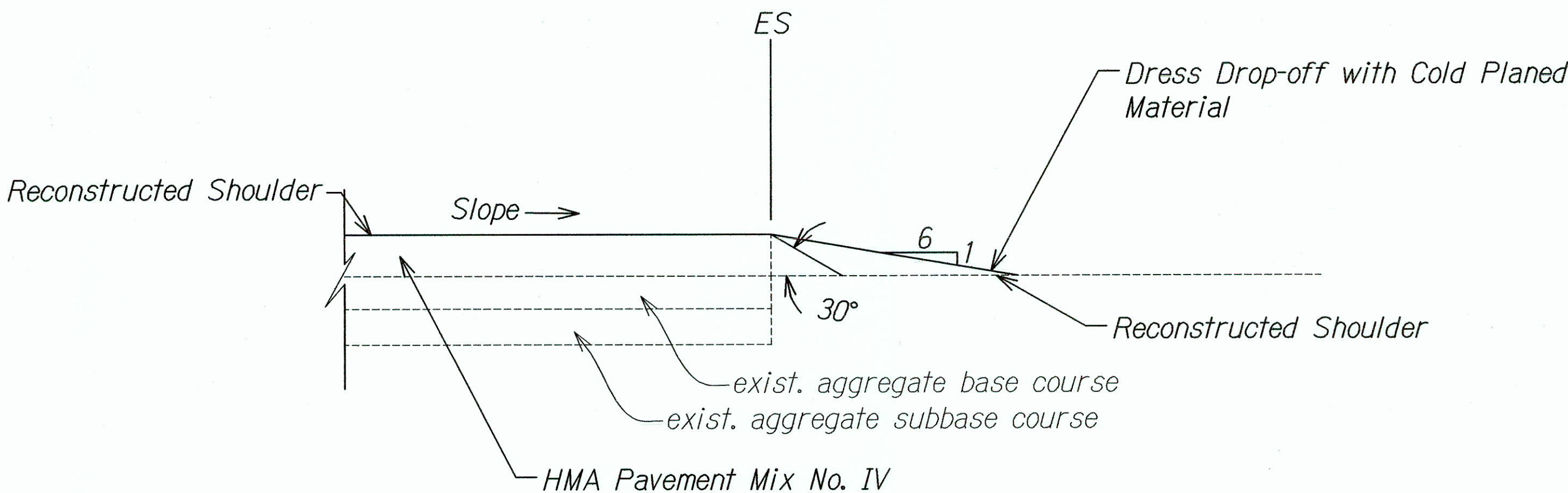
TYPICAL SUPERELEVATED SECTION

Scale: 1/4"= 1'-0"



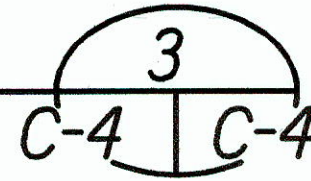
Note:

Apply tack coat to existing HMA pavement and edge of all transverse and longitudinal joints prior to resurfacing.



Typical Pavement Edge Detail

Scale: No Scale

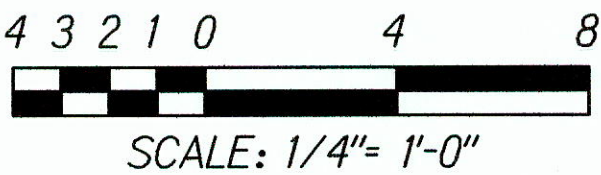


Note: Contractor shall mount a device directly on the paver screed extension to provide a 30° beveled shoulder edge.

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

LEGEND FOR AS-BUILT POSTING	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Roadway Text for as-built posting

GRAPHIC SCALE:



This work was prepared by me or under my supervision

Chad M. McDonald 4/30/2016  
MITSUNAGA & ASSOCIATES, INC. EXP. DATE  
NOTE: Contractor to check and verify dimensions at job before proceeding with work.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

TYPICAL SECTIONS

MAMALAHOA HIGHWAY RESURFACING  
MAKALEI TO PALANI ROAD JUNCTION

F.A. Project No. STP-0190(015)

Scale: As Noted

Date: November 2011

SHEET No. C-4 OF 59 SHEETS

"AS-BUILT"



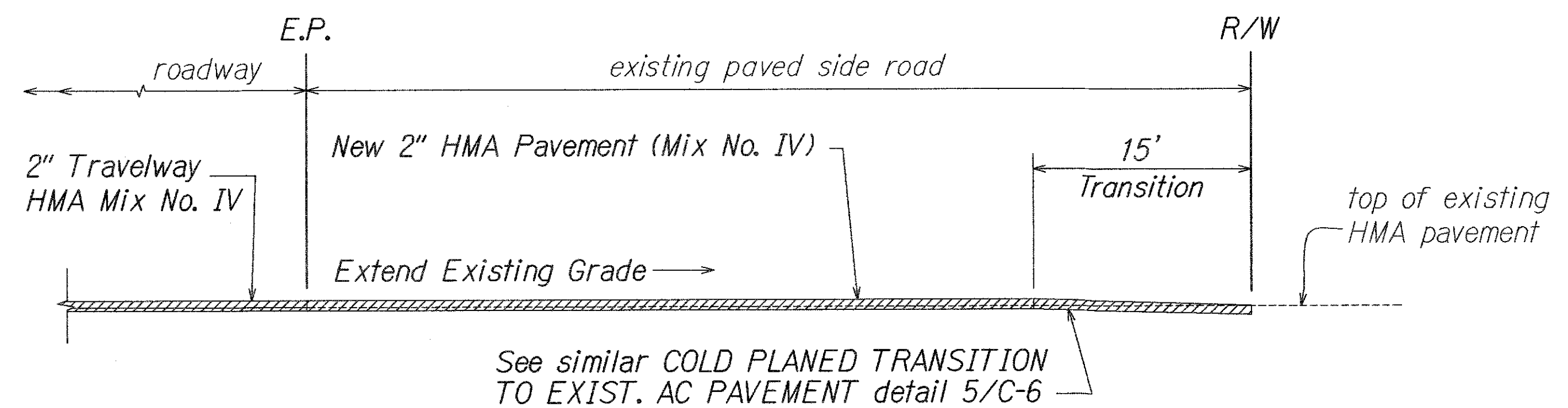
The diagram illustrates a cross-section of a highway reconstruction project. Key components and labels include:

- Shoulder Leveling:** Indicated by a double-headed arrow on the left side of the diagram.
- Travelway Reconstruction:** Indicated by a double-headed arrow on the right side of the diagram.
- EP (Edge of Pavement):** A vertical line marking the boundary between the shoulder and the travelway.
- 4" Hot Mix Glassphalt Conc. Base Course:** A layer of base course material, shown with a stippled pattern, located between the shoulder and the travelway.
- 6" Hot Mix Glassphalt Conc. Base Course:** A layer of base course material, shown with a stippled pattern, located within the travelway.
- exist. HMA pavement:** The existing Hot Mix Asphalt pavement, shown with a cross-hatched pattern.
- Tack Coat:** A thin layer of material applied to the existing HMA pavement.
- 2" (vertical dimension):** A vertical measurement indicating the thickness of the tack coat or a specific layer.
- 1'-0" (horizontal dimension):** A horizontal measurement indicating the width of the shoulder.
- Cold Plane (6.50" Exist. HMA Pav't and Base Course):** A label pointing to the existing HMA pavement and base course layer.
- Re-compact Exist. Base Course:** A label pointing to the existing base course layer.
- HMA Pavement (Mix V) Leveling at Shoulder Prior to Reconstruction:** A label pointing to the existing HMA pavement on the shoulder.

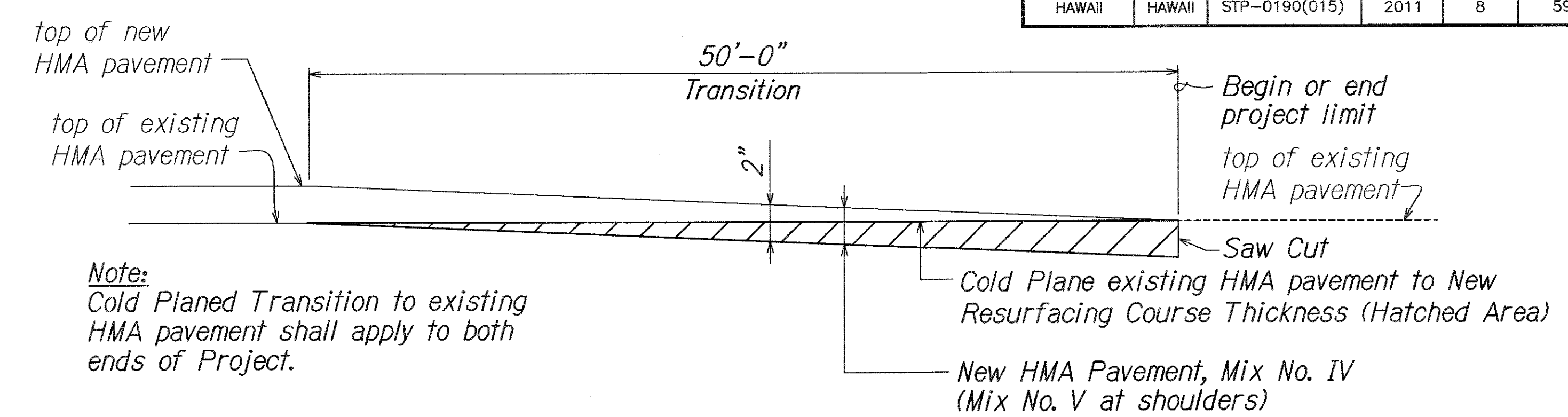




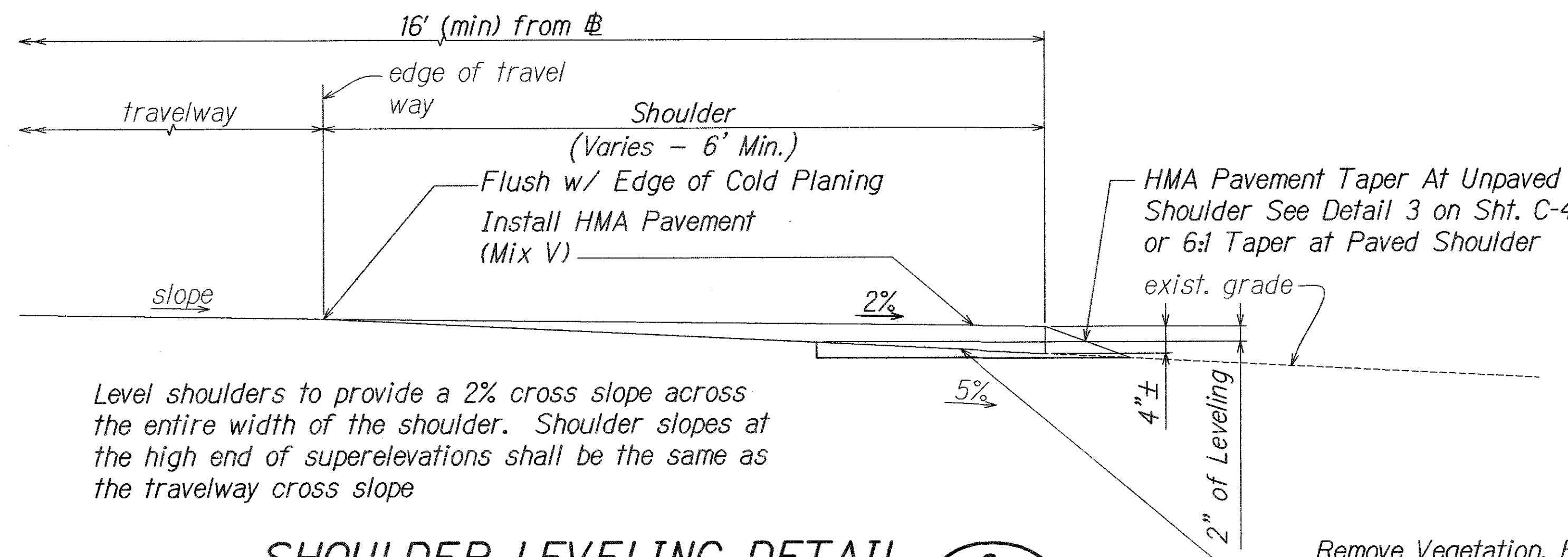
FED. ROAD DIST. NO.	STATE	FEDERAL PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	STP-0190(015)	2011	8	59



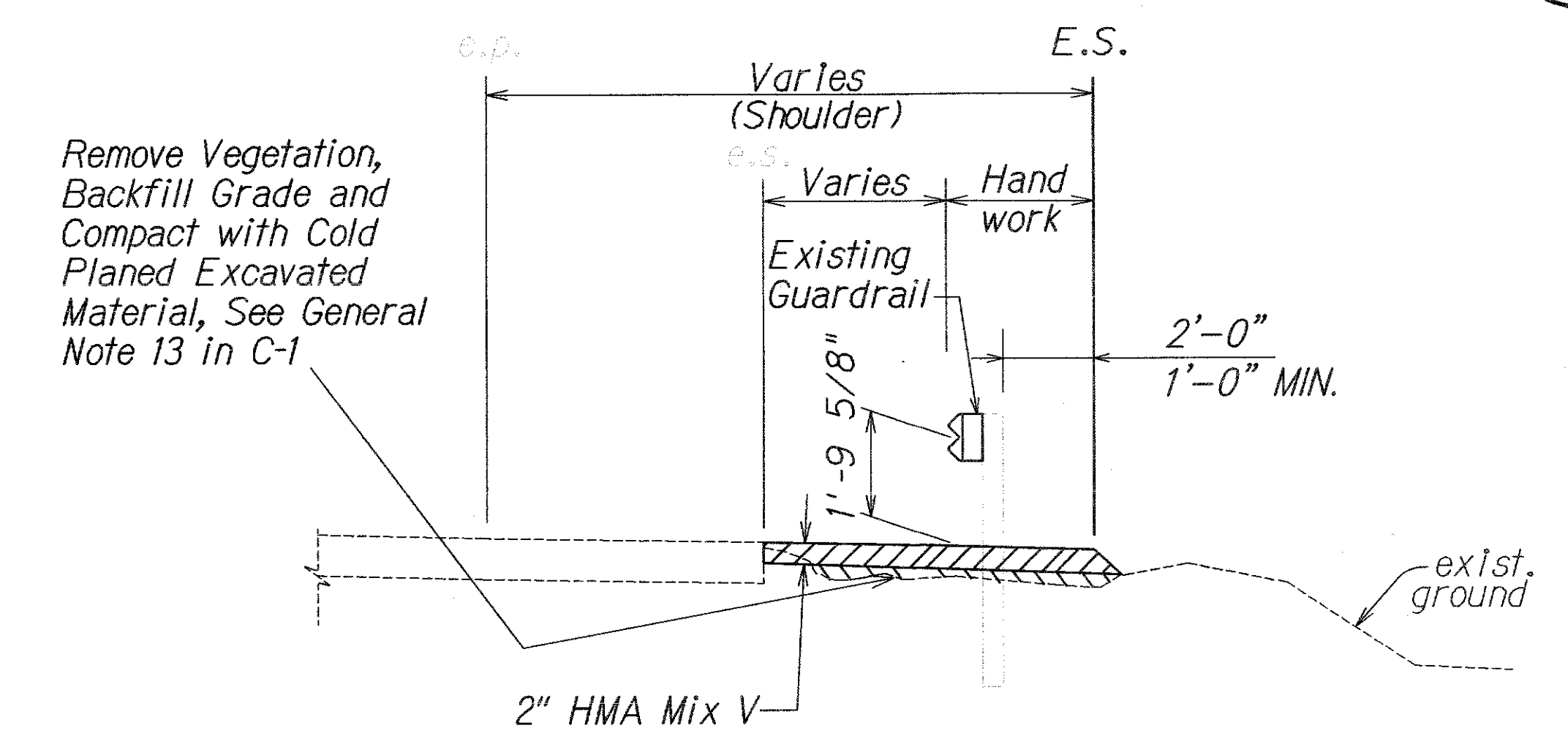
**HMA RESURFACING AT PAVED SIDEROAD DETAIL** 1  
Not to Scale C-6 | C-6



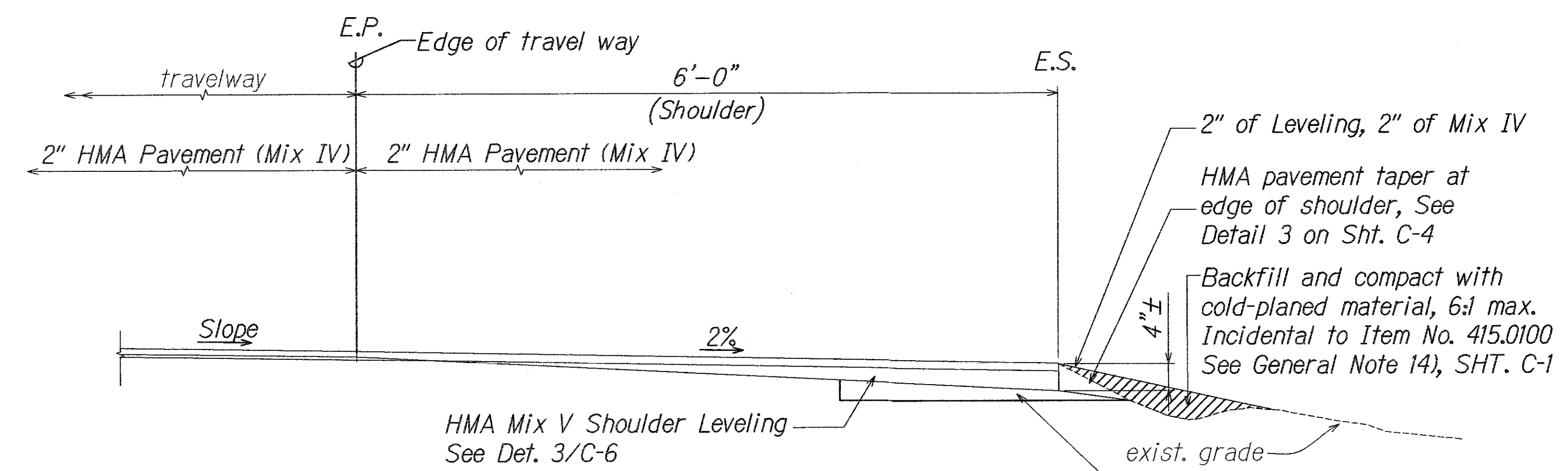
**COLD PLANED TRANSITION TO EXISTING HMA PAVEMENT** 5  
Not to Scale C-6 | C-6



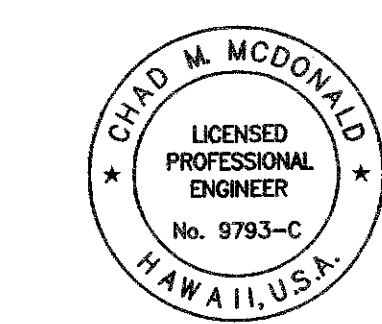
**SHOULDER LEVELING DETAIL** 3  
Not to Scale C-6 | C-6



**TYPICAL PAVING UNDER EXISTING GUARDRAIL** 6  
Not to Scale C-6 | C-6



**SHOULDER RECONSTRUCTION DETAIL** 4  
Not to Scale C-6 | C-6



This work was prepared by me or under my supervision  
Chad M. McDonald 4/30/2016  
MITSUNAGA & ASSOCIATES, INC. EXP. DATE  
NOTE: Contractor to check and verify dimensions at job before proceeding with work.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS**

**MAMALAHOA HIGHWAY RESURFACING  
MAKALEI TO PALANI ROAD JUNCTION**

**F.A. Project No. STP-0190(015)**

Scale: As Noted Date: November 2011

SHEET No. **C-6** OF **59** SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	AUG. 2011
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	