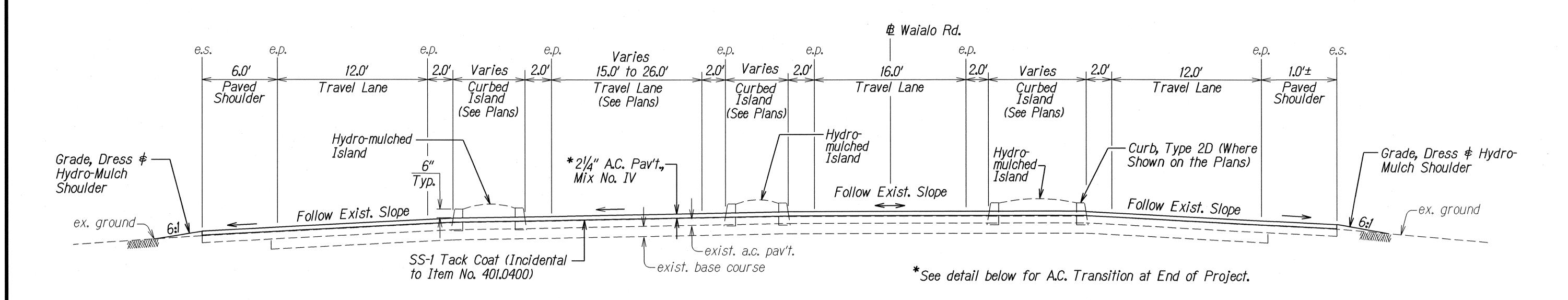
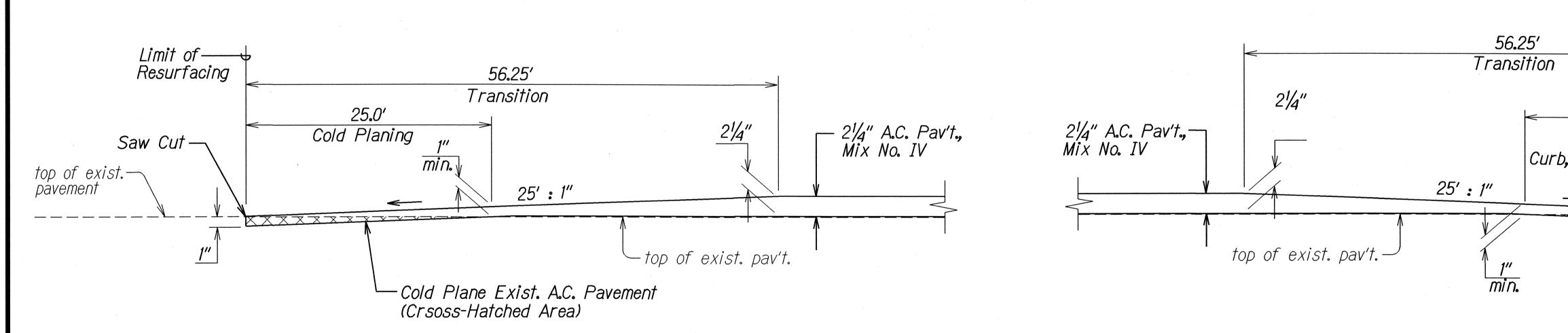


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	541A-01-04M	2004	7	25



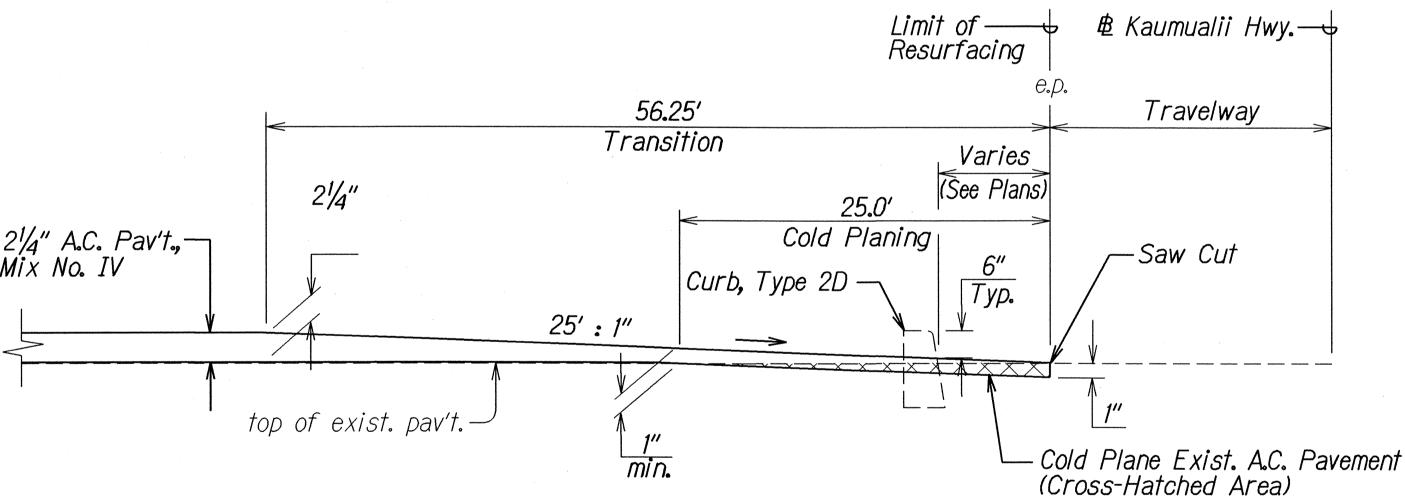
TYPICAL TANGENT SECTION (WITH MULTIPLE CURBED ISLANDS) Scale: 1/4" = 1'-0"



TRANSITION AT BEGINNING OF PROJECT

Not to Scale

SURVEY PLOTTE
DRAWN BY X
TRACED BY
DESIGNED BY X
QUANTITIES BY
CHECKED BY



TRANSITION AT END OF PROJECT

Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

WAIALO ROAD RESURFACING

Vicinity of Port Allen

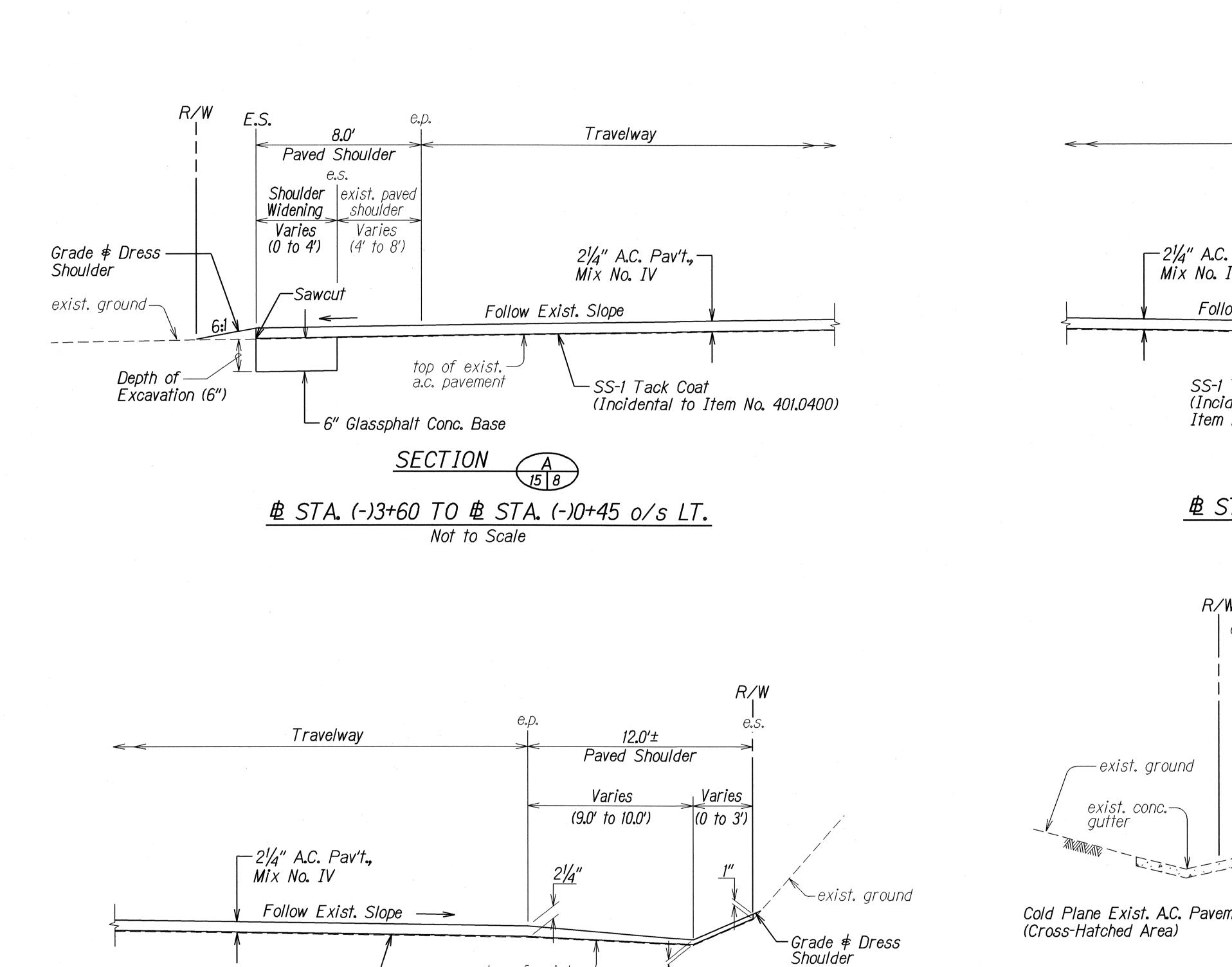
Project No. 541A-01-04M

Scale: As Shown

Date: March 2004

SHEET No. 2 OF 8 SHEETS

PHEEL NO. 2 OF O



top of exist. a.c. pavement

<u>SECTION</u>

B STA. (-)3+30 TO B STA. (-)1+70 o/s RT.

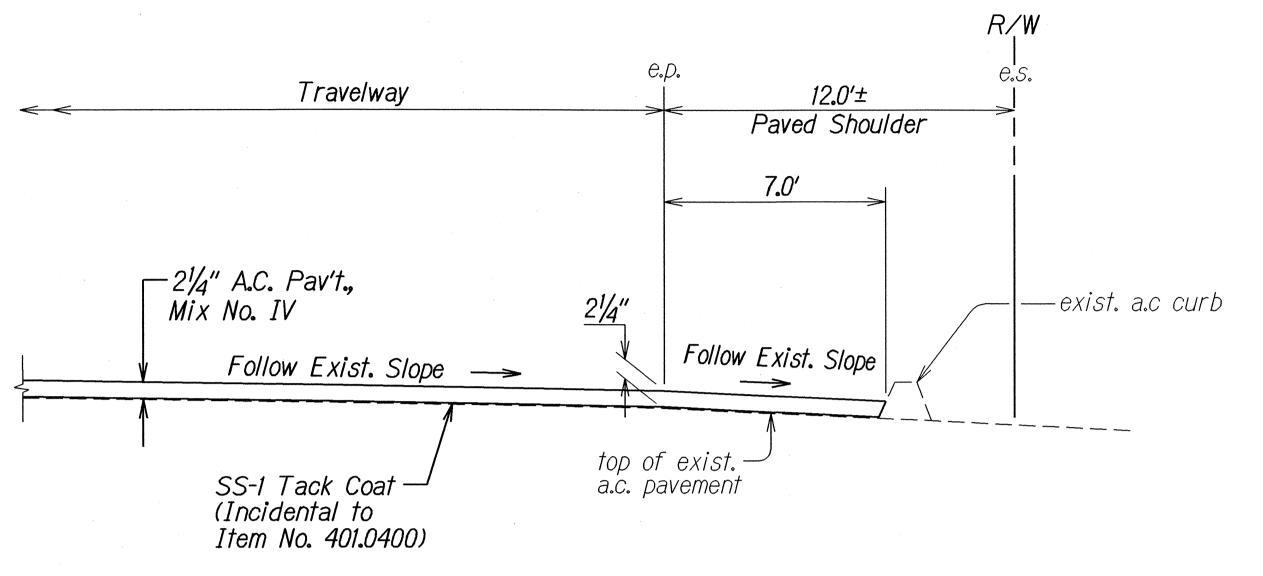
Not to Scale

SS-1 Tack Coat —

Item No. 401.0400)

(Incidental to

ORIGINALSURVEYPLOTTERPLANDRAWNBYXNOTEBOOKTRACEDBYkel, ramonDESIGNEDBYX|w|ots03.dgnCHECKEDBY



FED. ROAD DIST. NO.

HAWAII

STATE

PROJ. NO.

HAW. 541A-01-04M

FISCAL SHEET YEAR NO.

2004

<u>SECTION</u>

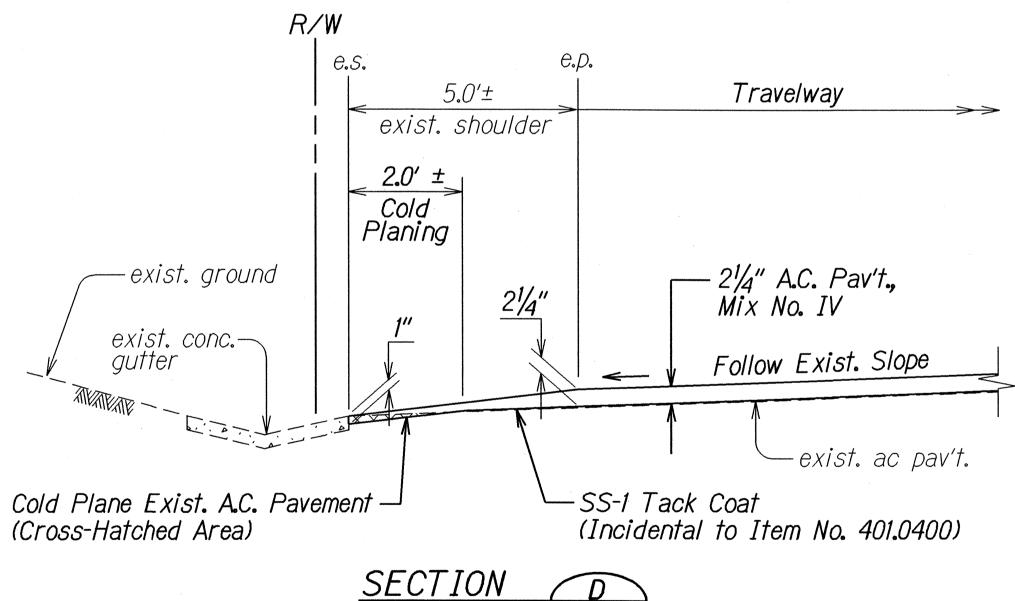
B

15 | 8

B

STA. (-)3+60 TO B STA. (-)3+30 o/s RT.

Not to Scale



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

WAIALO ROAD RESURFACING

Vicinity of Port Allen

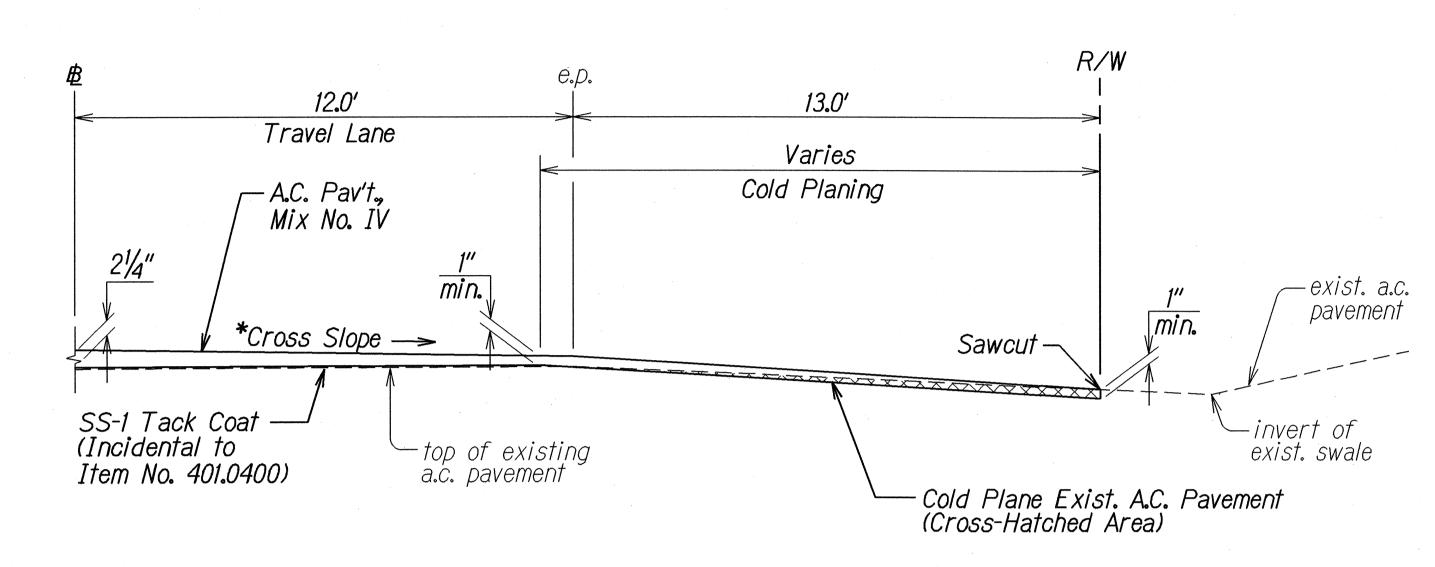
Project No. 541A-01-04M

Scale: As Shown

Date: March 2004

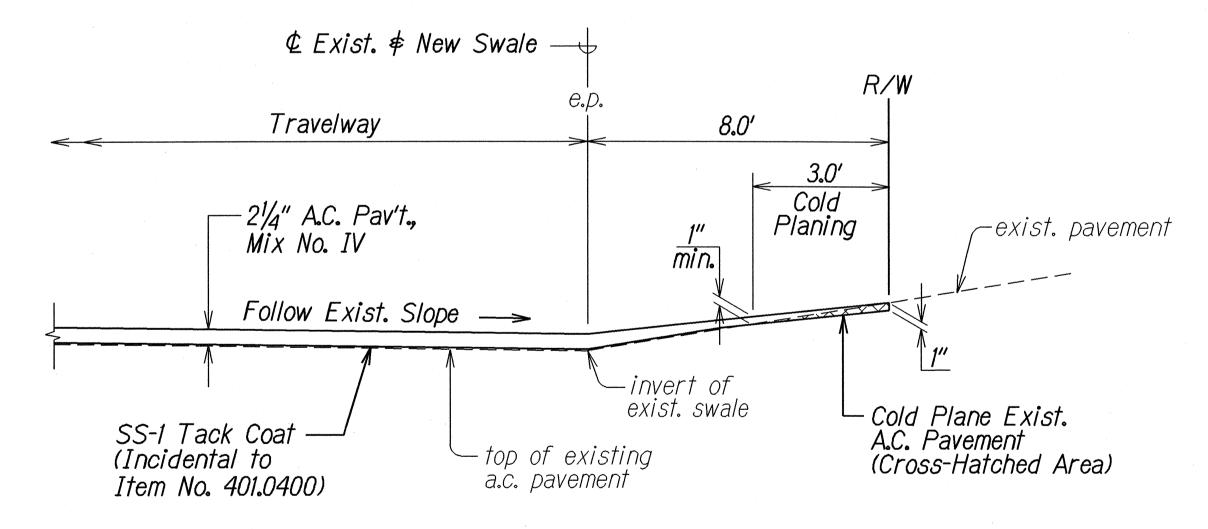
SHEET No. 3 OF 8 SHEETS

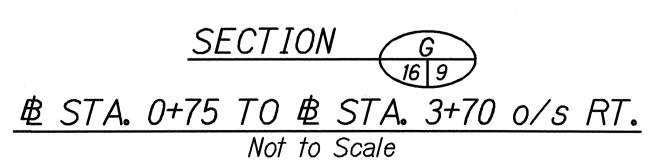
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	541A-01-04M	2004	9	25

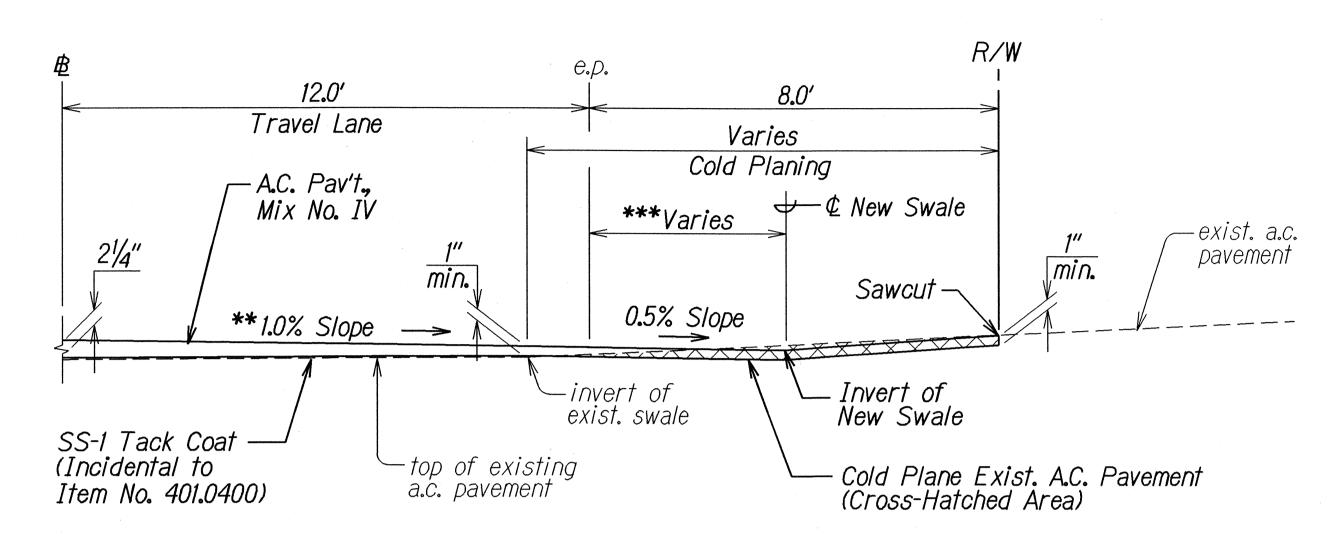


*Transition Slope from Exist. Slope at # Sta. (-) 0+30 to 1.0% Slope @ # Sta. 0+00

<u>SECTION</u> <u>E</u> 15 9 <u>B STA. (-) 0+30 TO ₱ STA. 0+00 o/s RT.</u> Not to Scale



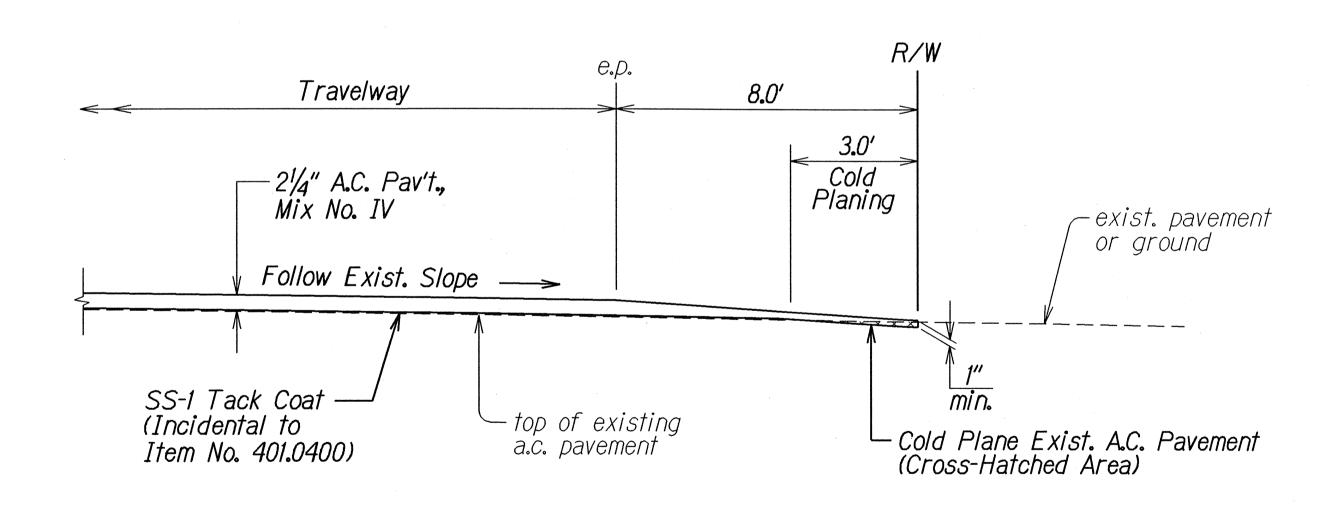


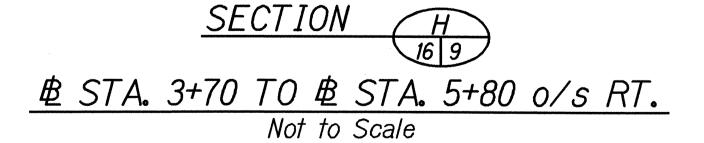


** 1.0% Slope from & Sta. 0+00 to & Sta. 0+65

Transition Slope from 1.0% Slope at & Sta. 0+65 to Exist. Slope @ & Sta. 0+75

> SECTION F 15 9 B STA. 0+00 TO B STA. 0+75 o/s RT. Not to Scale





STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

WAIALO ROAD RESURFACING

Vicinity of Port Allen

Project No. 541A-01-04M

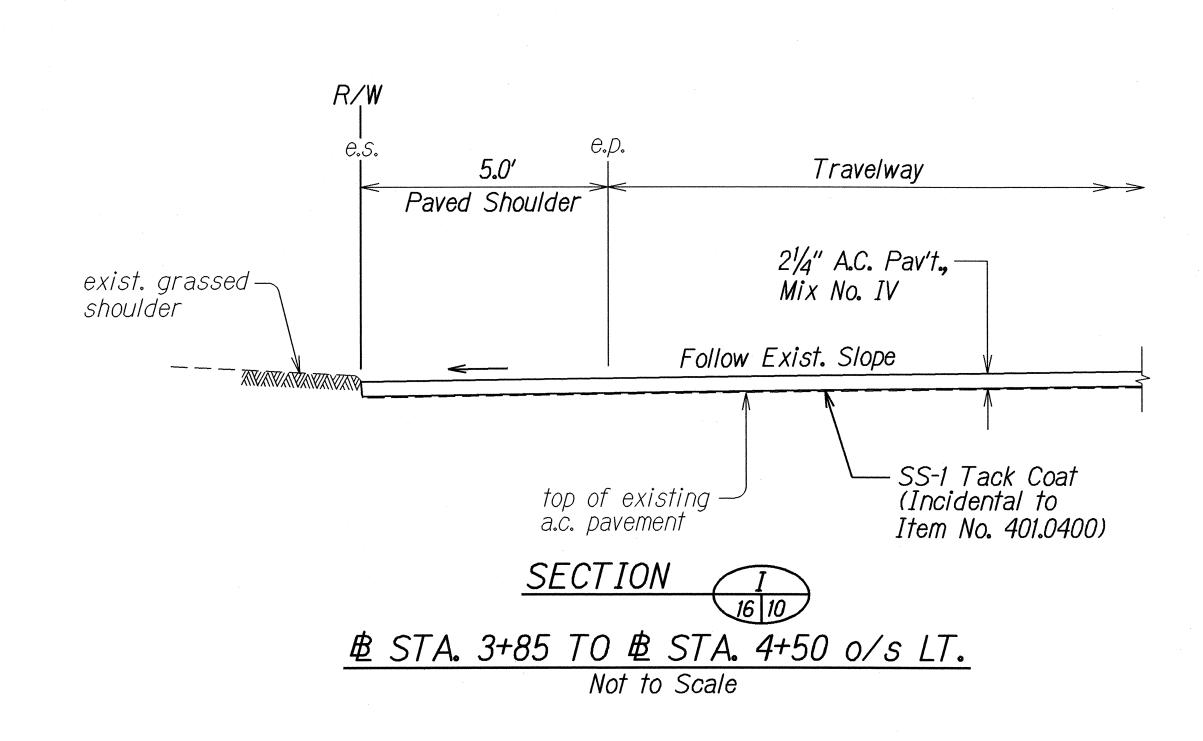
Scale: As Shown

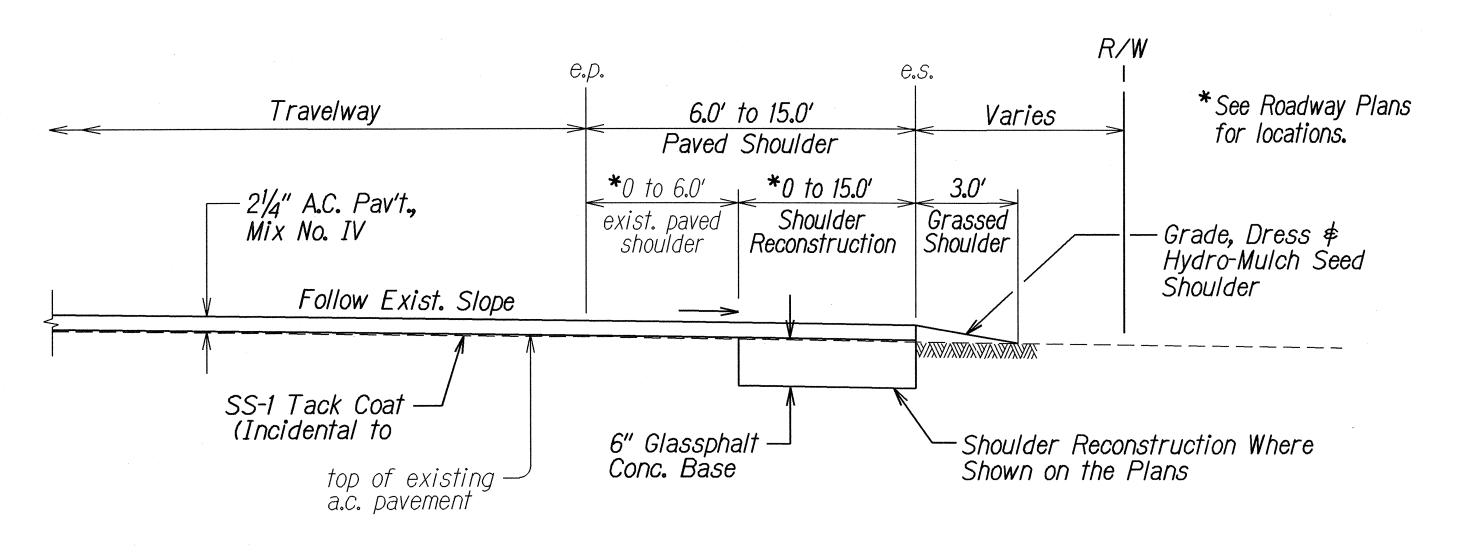
Date: March 2004

SHEET No. 4 OF 8 SHEETS

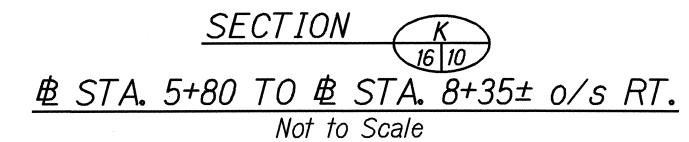
| PLAN | DRAWN BY X | TRACED BY | TRACED BY | TRACED BY | OFFICE BY | OFFICE BY | OFFICE BY | CHECKED BY | CHECKED BY | OFFICE BY | OFFICE

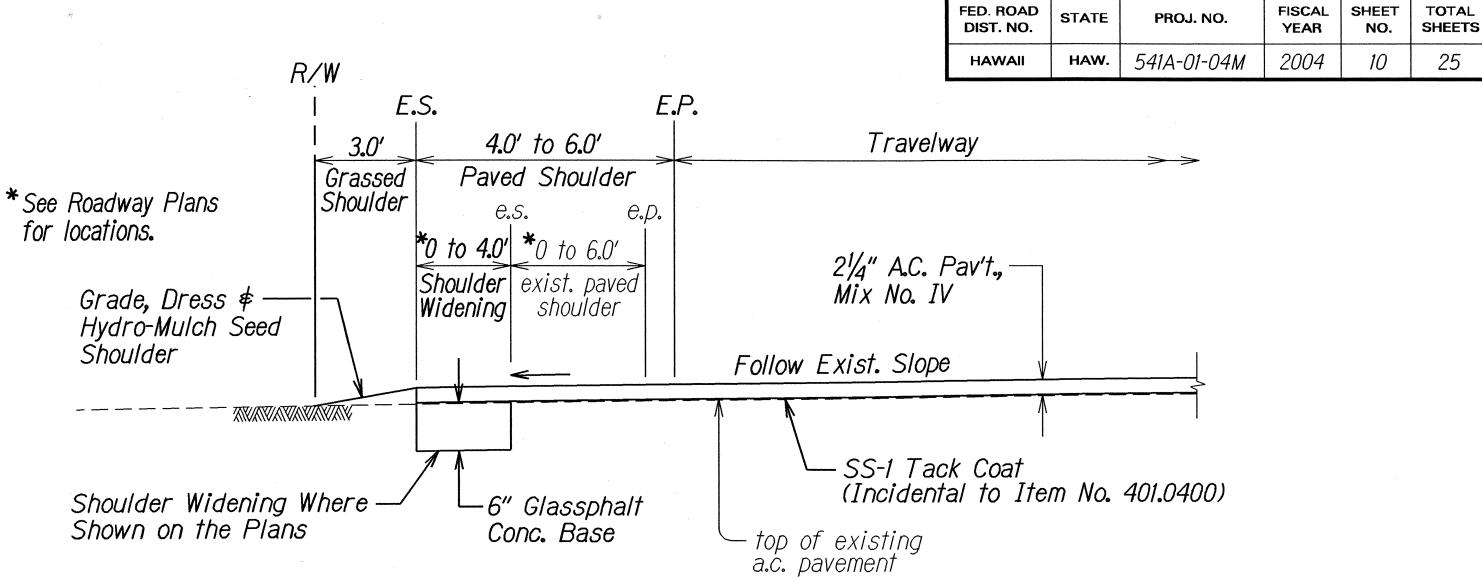
DD6-Highway Design Section





NOTE: See detail hereon for resurfacing at paved driveway from 也 Sta. 6+55± to 也 Sta. 7+05±

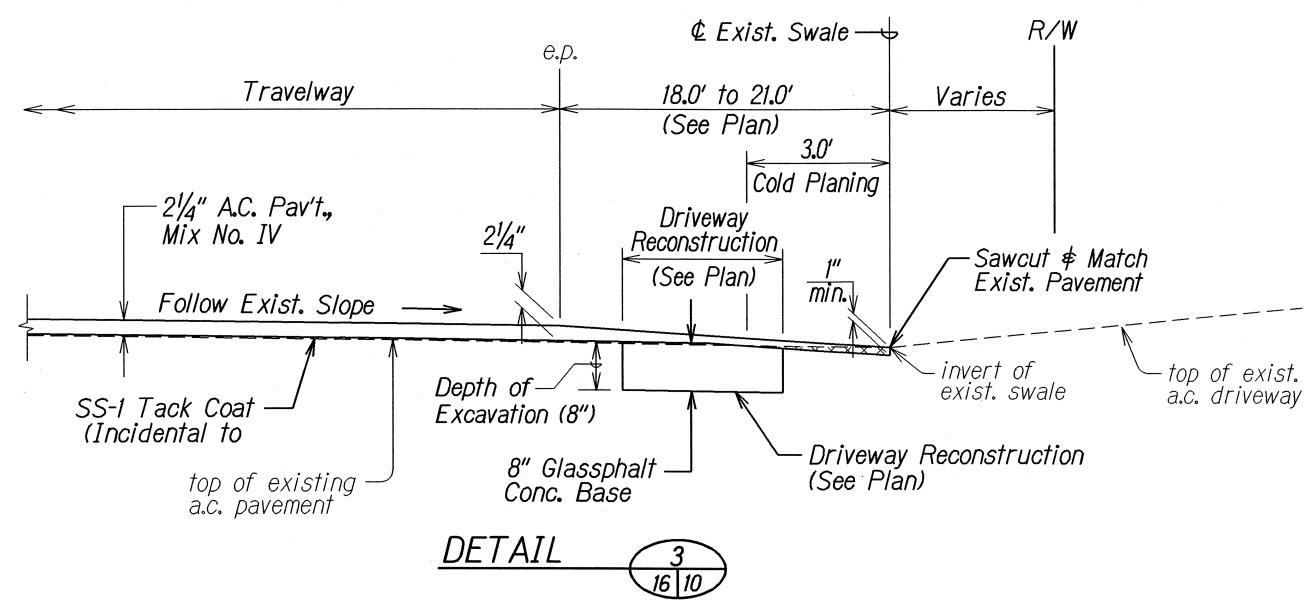




NOTES:

- 1. See Plan Sht. No. 11 for resurfacing details at paved driveways, sideroads and walkways.
- 2. Excavation for shoulder widening shall be paid for under contract Item No. 651.0100 Excavation for Reconstruction of Weakened Pavement Areas.

SECTION ₽ STA. 4+50 TO ₽ STA. 16+00± o/s LT. **B** STA. 8+35 TO **B** STA. 16+30± o/s RT. Not to Scale



DRIVEWAY RESURFACING AT & STA. 6+55± TO & STA. 7+05± o/s RT. Not to Scale

> **DEPARTMENT OF TRANSPORTATION** HIGHWAYS DIVISION TYPICAL SECTIONS

STATE OF HAWAII

WAIALO ROAD RESURFACING Vicinity of Port Allen Project No. 541A-01-04M

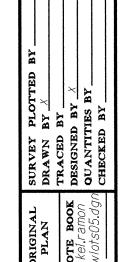
Scale: As Shown

STATE

PROJ. NO.

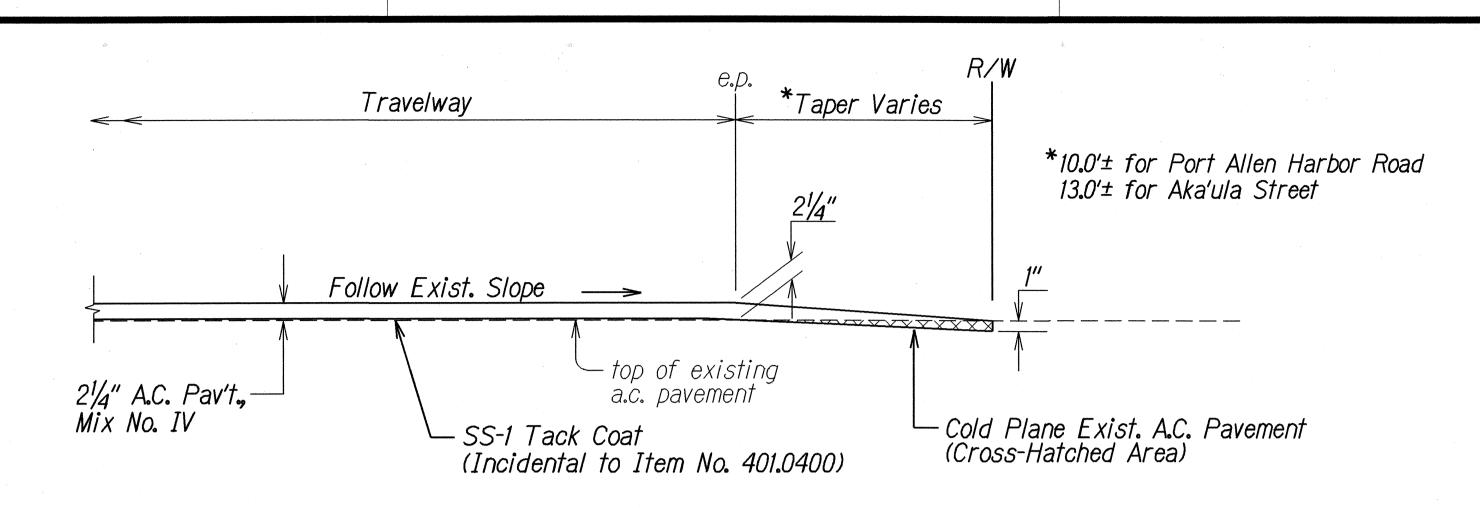
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SHEET No. 5 OF 8 SHEETS

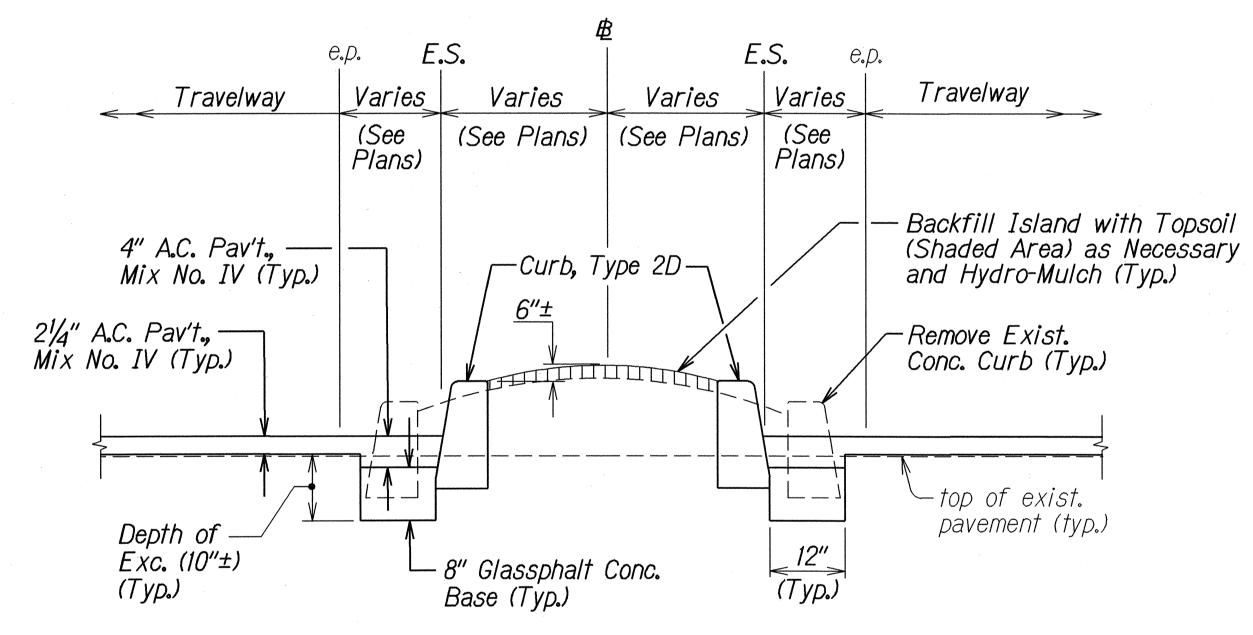


DD6-Highway Design Section

Date: March 2004



A.C. RESURFACING AT AKA'ULA STREET and PORT ALLEN SMALL BOAT HARBOR ROAD Not to Scale



TYPICAL SECTION AT CURBED ISLANDS Not to Scale

NOTES:

- Removing and disposing of existing concrete curb and dirt shall not be paid for separately but shall be considered incidental to contract Item No. 609.2020 - Curb, Type 2D.
- Topsoil shall for backfilling curbed islands shall not be paid for separately but shall be considered incidental to the various contract items.
- Excavation and plant mix glassphalt concrete base for the reconstruction of pavement section along the new Curb, Type 2D shall not be paid for separately, but shall be considered incidental to contract Item No. 609.2020 Curb, Type 2D. A.C. Pavement, Mix No. IV for the pavement reconstruction along the new curb shall be paid for under contract Item No. 401.0400 Asphalt Concrete Pavement, Mix. No. IV.
- 4. All sprinkler heads at curbed islands shall be adjusted to the new finished grades. Adjusting sprinkler heads shall not be paid for separately but shall be considered incidental to the various contract items. Extend riser pipes as required to new finished grades. Prior to making sprinkler head adjustments, the Contractor shall notify the Engineer of any non-functioning sprinkler heads.

R/W E.S. E.P. Travelway 4.0' Taper Paved Shldr. e.s. e.p. 2.0'± Shoulder— 21/4" A.C. Pav't., exist. joint — Widening Mix No. IV exist. concrete walkway Follow Exist. Slope top of exist. a.c. pavement └─SS-1 Tack Coat Cold Plane Exist. — (Incidental to Item No. 401.0400) A.C. Pavement Remove Exist. Conc. (Cross-Hatched Area) Walkway (Shaded Area) 6" Glassphalt Conc. Base —

FED. ROAD DIST. NO.

STATE

PROJ. NO.

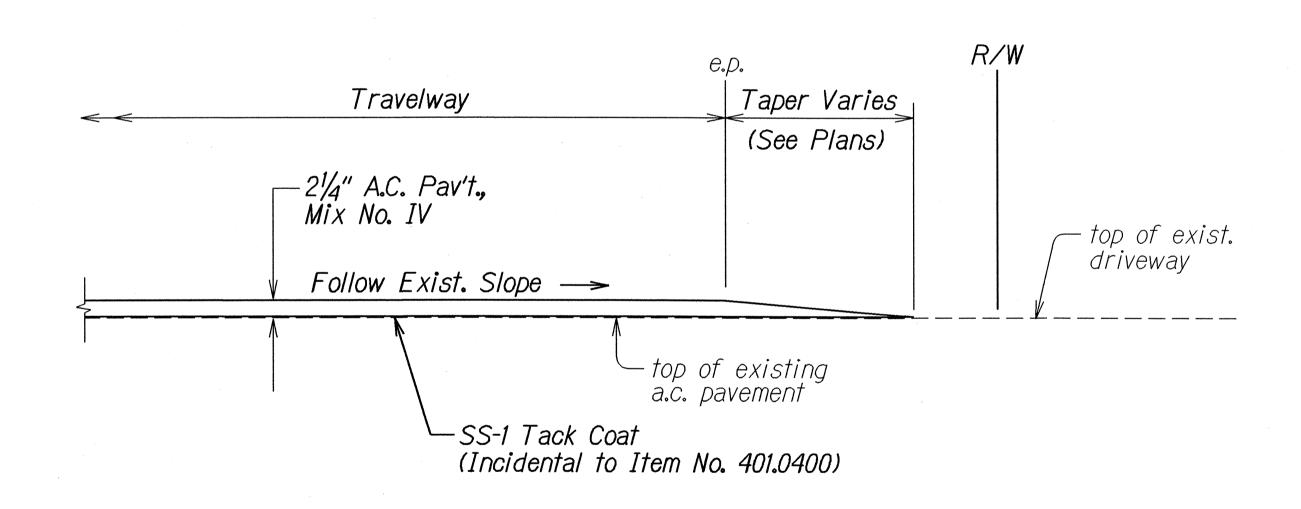
HAW. 541A-01-04M

FISCAL SHEET YEAR NO.

2004

SHEETS

DETAIL A.C. RESURFACING AT CONCRETE WALKWAY AT \$ STA. 6+00 TO 6+06 o/s LT. Not to Scale



NOTE: See Plan Sht. #10 for Driveway Resurfacing at 4 Sta. 6+55± to ₺ Sta. 7+05±.

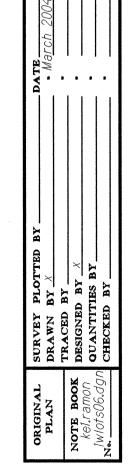
A.C. RESURFACING AT PAVED DRIVEWAYS Not to Scale

STATE OF HAWAII **DEPARTMENT OF TRANSPORTATION** HIGHWAYS DIVISION TYPICAL SECTIONS

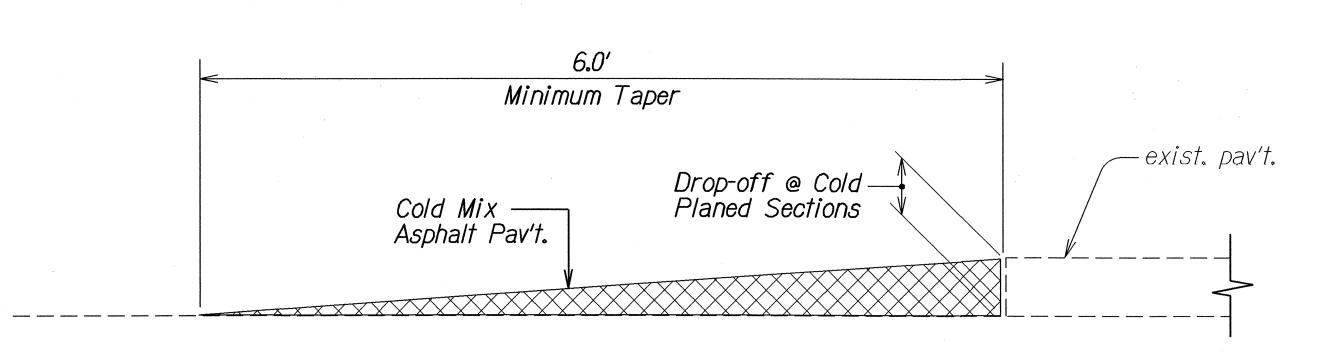
WAIALO ROAD RESURFACING Vicinity of Port Allen Project No. 541A-01-04M

Scale: As Shown

Date: March 2004 SHEET No. 6 OF 8 SHEETS



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	541A-01-04M	2004	12	25

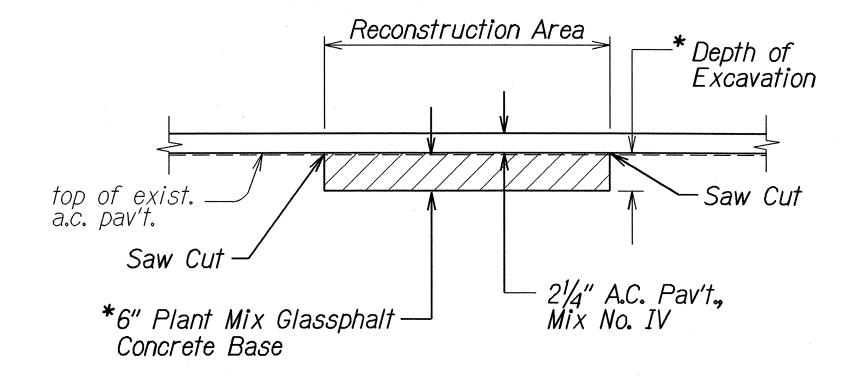


TEMPORARY TRANSITION AT COLD PLANED AREAS

Not to Scale

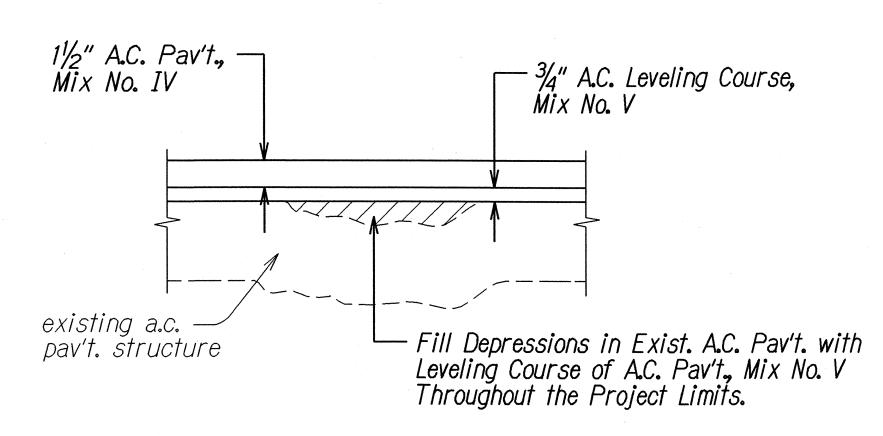
Note: Contractor shall construct temporary pavement taper to prevent sharp pavement drop-offs at all cold planed sections. Prior to final A.C.

Mix No. IV placement, temporary pavement taper shall be removed.



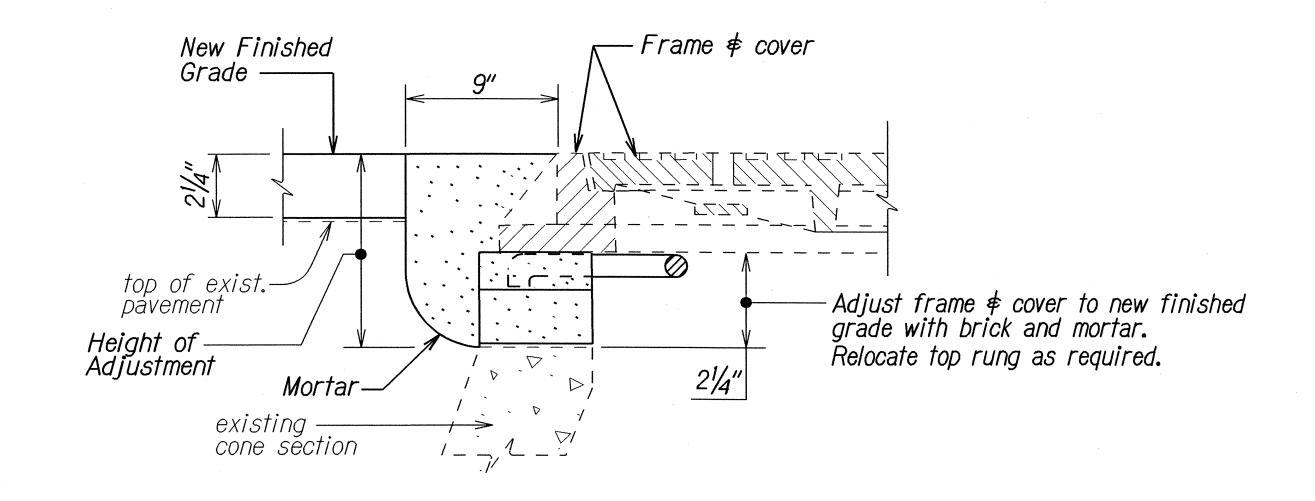
*8" for the driveway reconstruction at # Sta. 6+55± to # Sta. 7+05± o/s Rt. See Plan Sht. #10 for details.

A.C. PAVEMENT RECONSTRUCTION DETAIL Not to Scale



LEVELING COURSE DETAIL

Not to Scale



TYPICAL MANHOLE FRAME \$ COVER ADJUSTMENT

(SEWER \$ STORM DRAIN M.H.)

Not to Scale

NOTE: As an option, the Contractor may use an Adjus-to-Grade four-section extension ring with Safe-Tite seal, as manufactured by the National Utility Products Co. (NUPCO), or approved equal.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

<u>WAIALO ROAD RESURFACING</u>

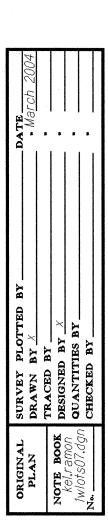
<u>Vicinity of Port Allen</u>

<u>Project No. 541A-01-04M</u>

Scale: As Shown

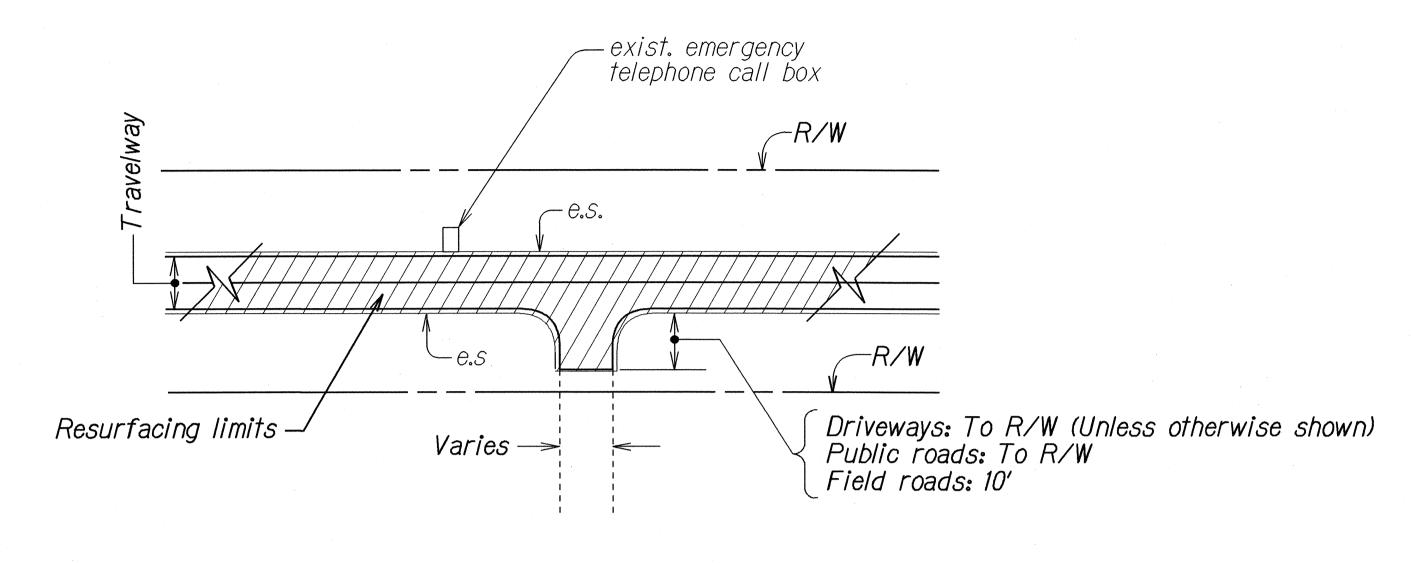
Date: March 2004

SHEET No. 7 OF 8 SHEETS



 FED. ROAD DIST. NO.
 STATE
 PROJ. NO.
 FISCAL YEAR
 SHEET NO.
 TOTAL SHEETS

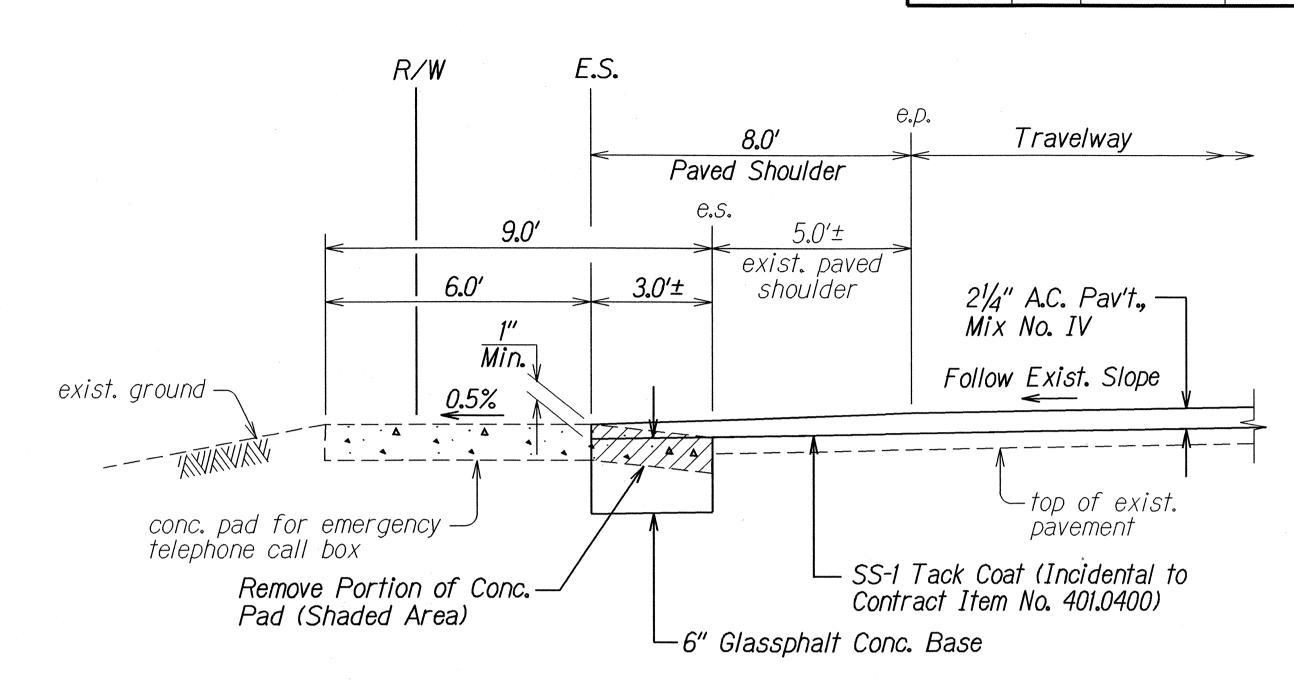
 HAWAII
 HAW.
 541A-01-04M
 2004
 13
 25



PLAN

TYPICAL RESURFACING LIMITS

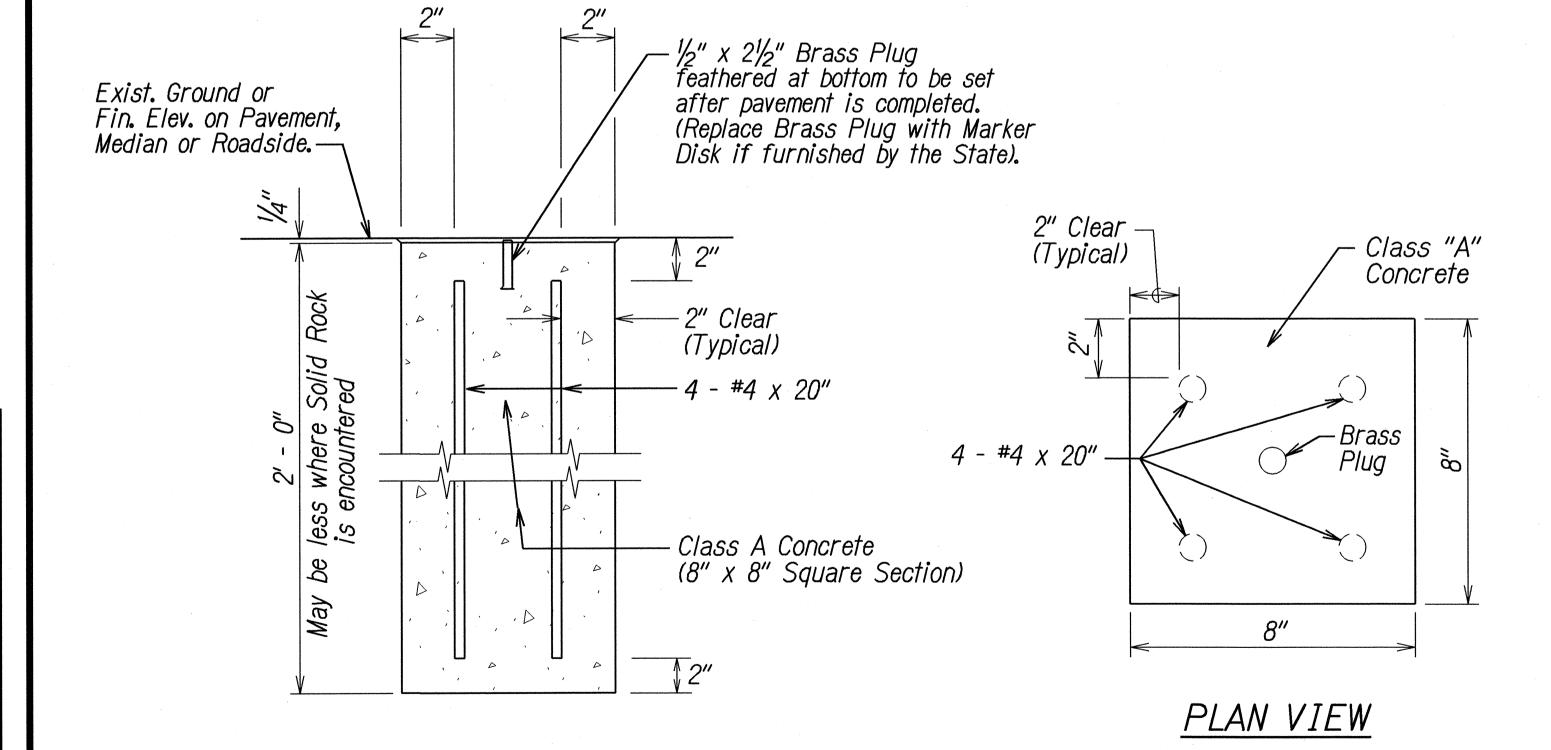
Not to Scale



DETAIL

Not to Scale

15 13



DD6-Highway Design Section

DETAIL FOR CENTERLINE & REFERENCE

SURVEY MONUMENT

Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

WAIALO ROAD RESURFACING

Vicinity of Port Allen

Project No. 5471A-01-04M

Scale: As Shown

Date: March 2004

SHEET No. 8 OF 8 SHEETS