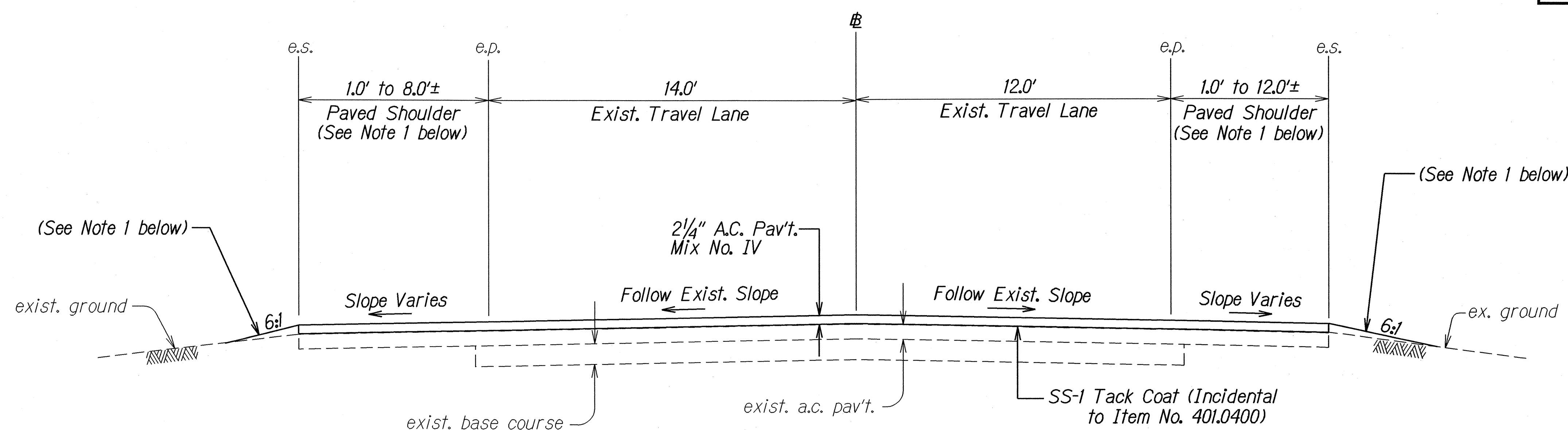


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	541A-01-04M	2004	6	25

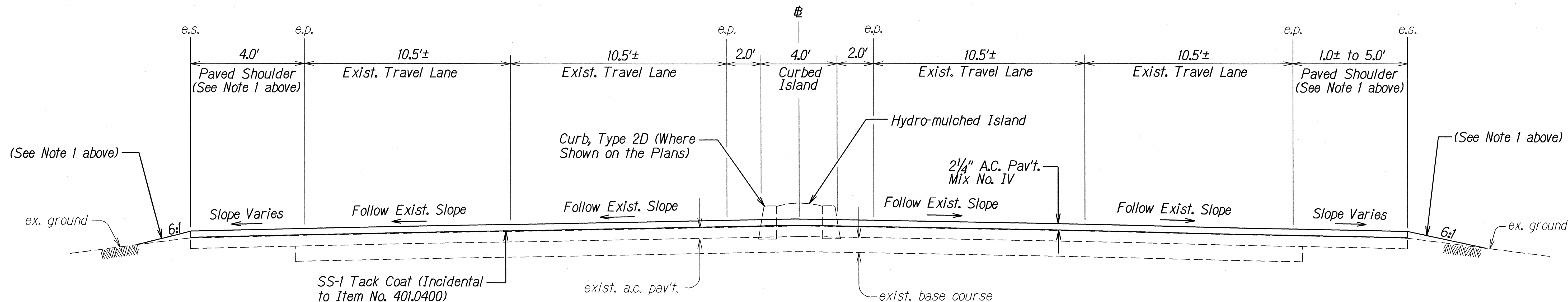


TYPICAL TANGENT SECTION (WITH 2 TRAVEL LANES)

Scale: $\frac{3}{8}" = 1'-0"$

Note:

1. See Plan Sht. Nos. 8 - 11 for shoulder construction/treatment at various locations.



TYPICAL TANGENT SECTION (WITH 4 TRAVEL LANES)

Scale: $\frac{3}{8}" = 1'-0"$

SURVEY PLOTTED BY	DATE
DRAWN BY	March 2004
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
REL. AMOUNT	
NO. MODIFIED	

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. 1 OF 8 SHEETS

Scale: $\frac{1}{4}'' = 1'-0''$



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

WAIALO ROAD RESURFACING

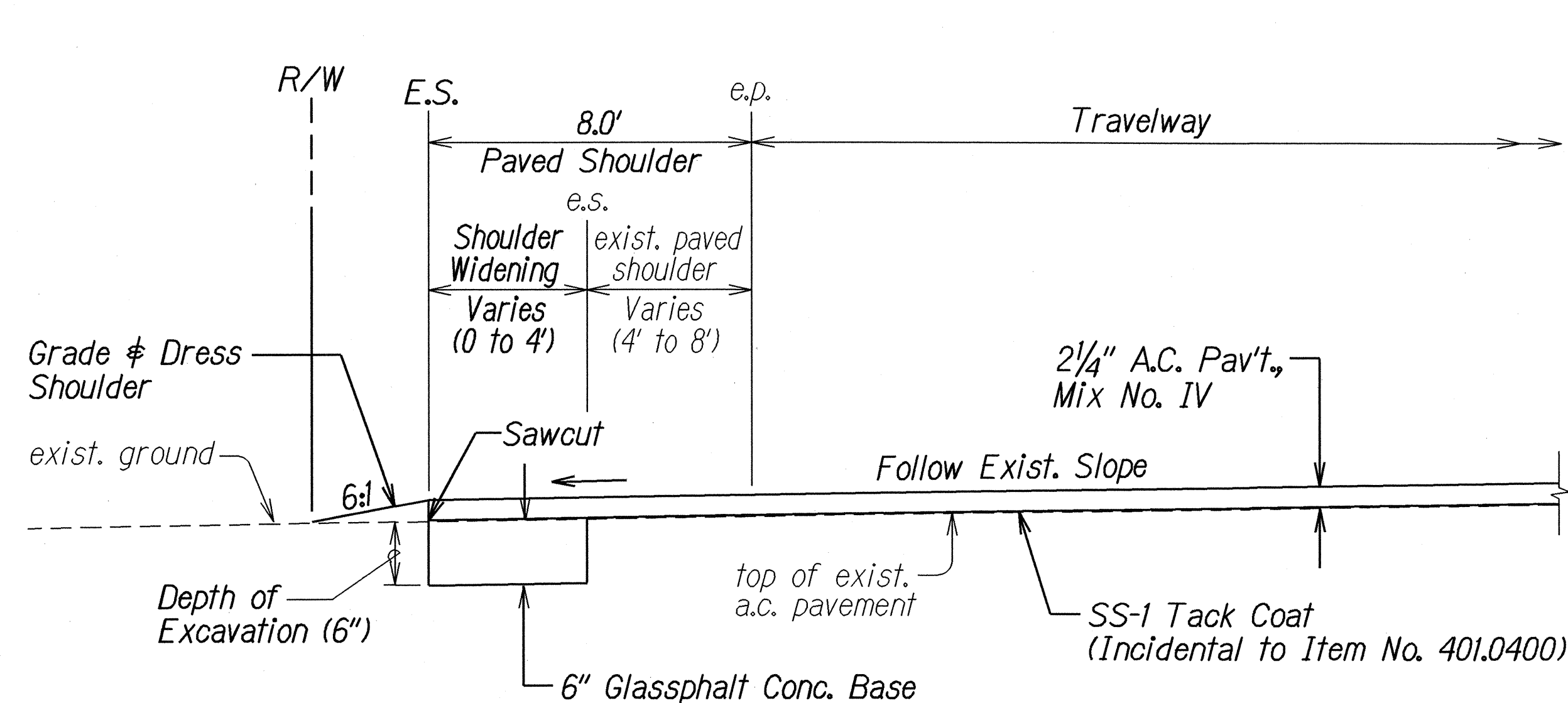
Vicinity of Port Allen

Project No. 541A-01-04M

Scale: As Shown Date: March 2004

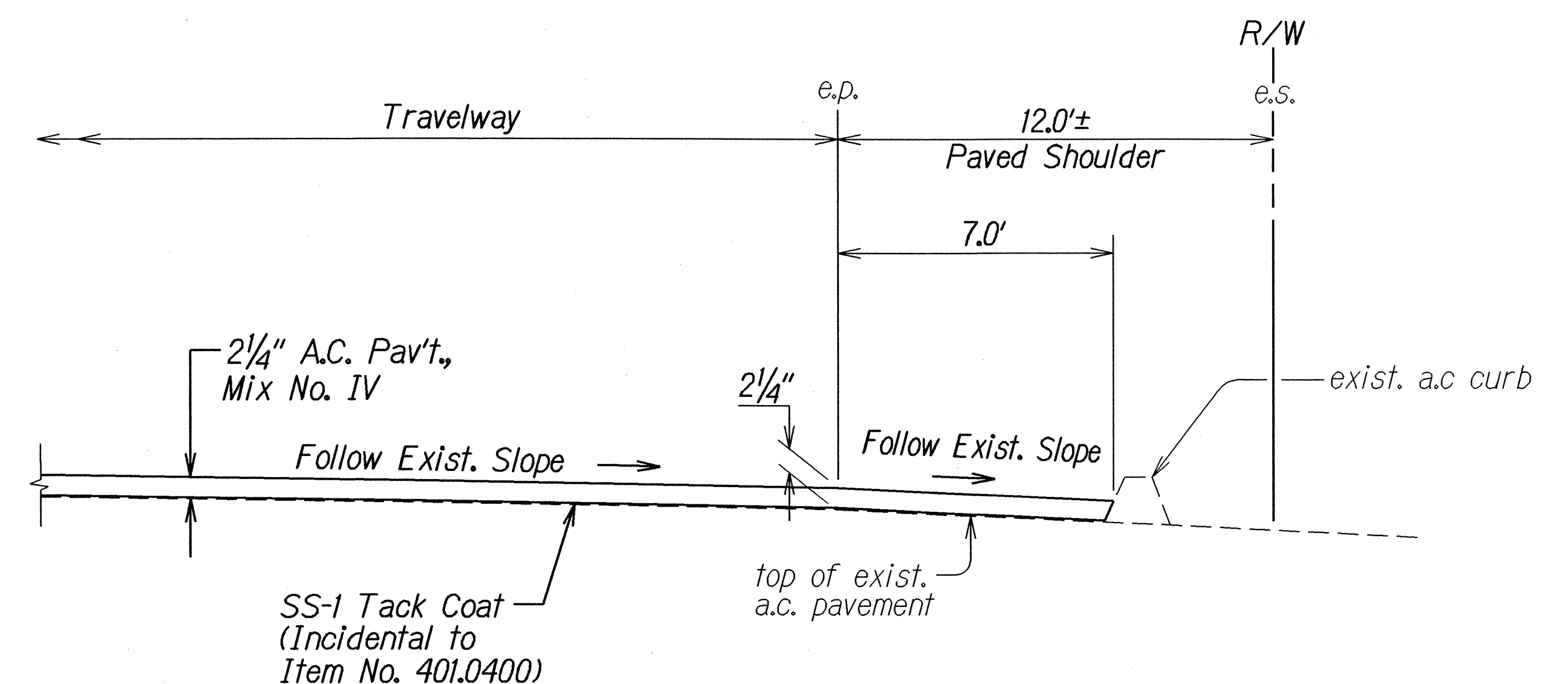
SHEET No. 2 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	541A-01-04M	2004	8	25



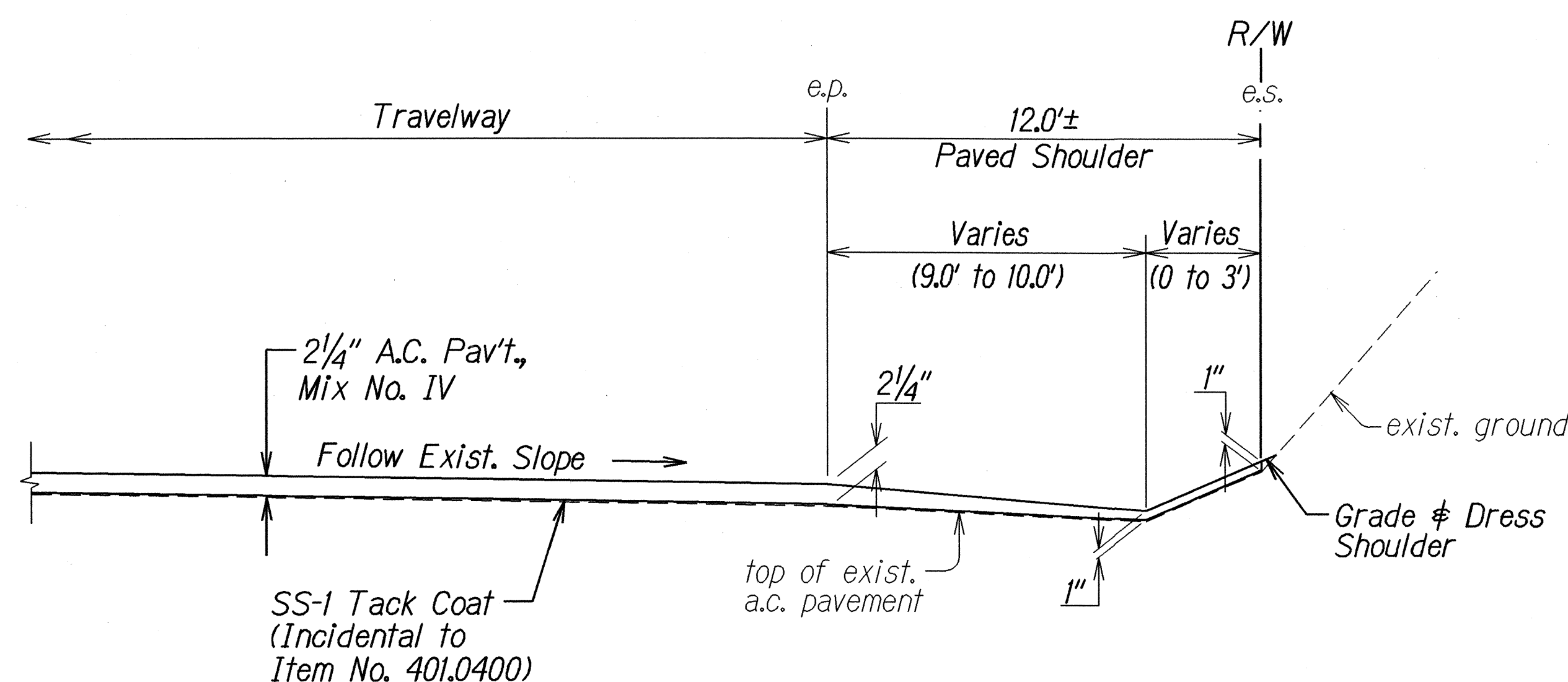
SECTION A
15 | 8

± STA. (-)3+60 TO ± STA. (-)0+45 o/s LT.
Not to Scale



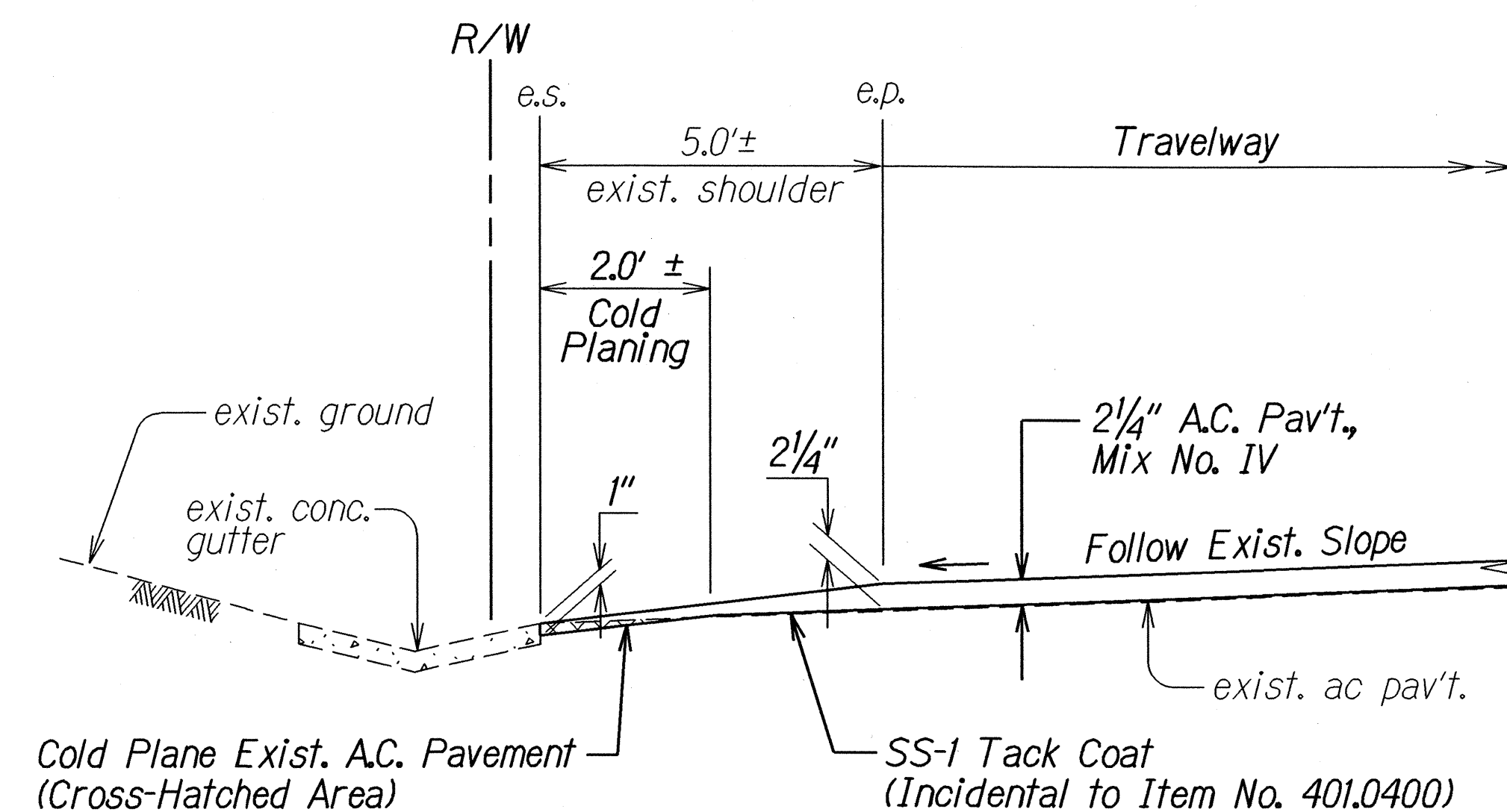
SECTION B
15 | 8

± STA. (-)3+60 TO ± STA. (-)3+30 o/s RT.
Not to Scale



SECTION C
15 | 8

± STA. (-)3+30 TO ± STA. (-)1+70 o/s RT.
Not to Scale



SECTION D
15 | 8

CONCRETE GUTTER LOCATIONS
± STA. 0+05 TO ± STA. 3+85 o/s LT.
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

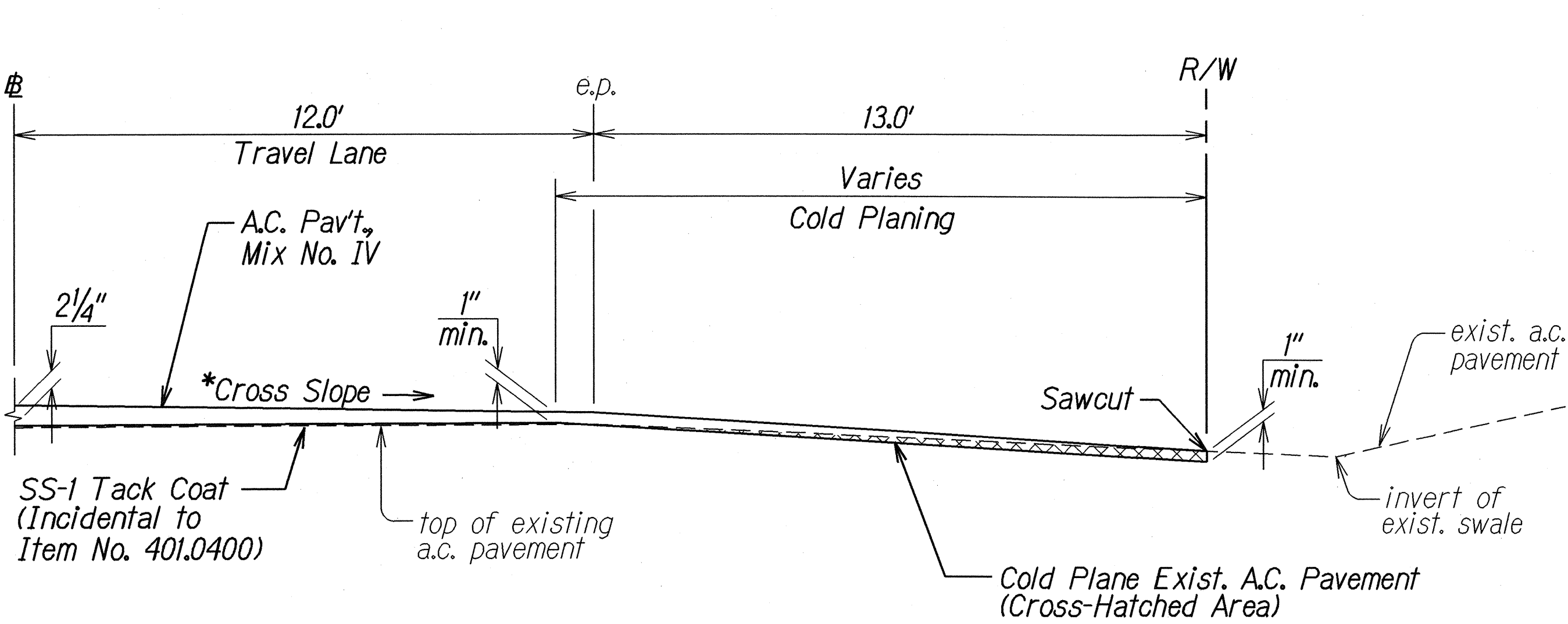
TYPICAL SECTIONS

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

Scale: As Shown Date: March 2004

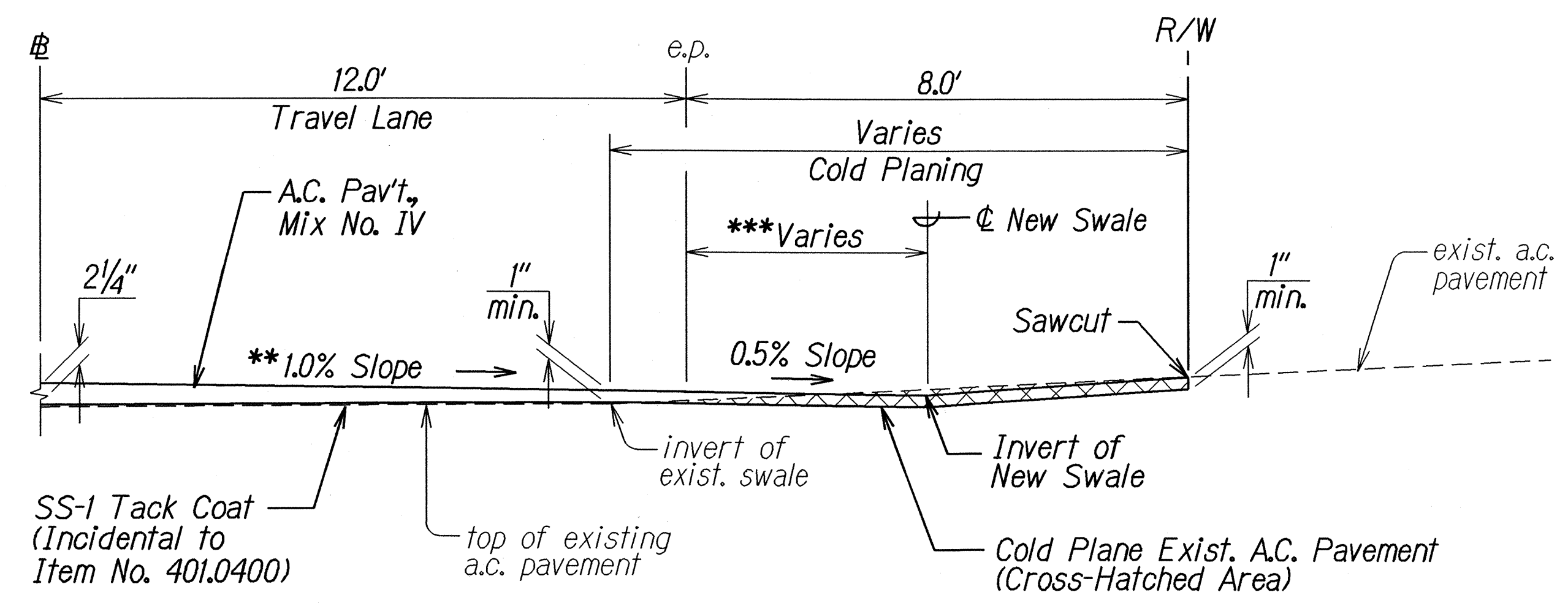
SHEET No. 3 OF 8 SHEETS

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

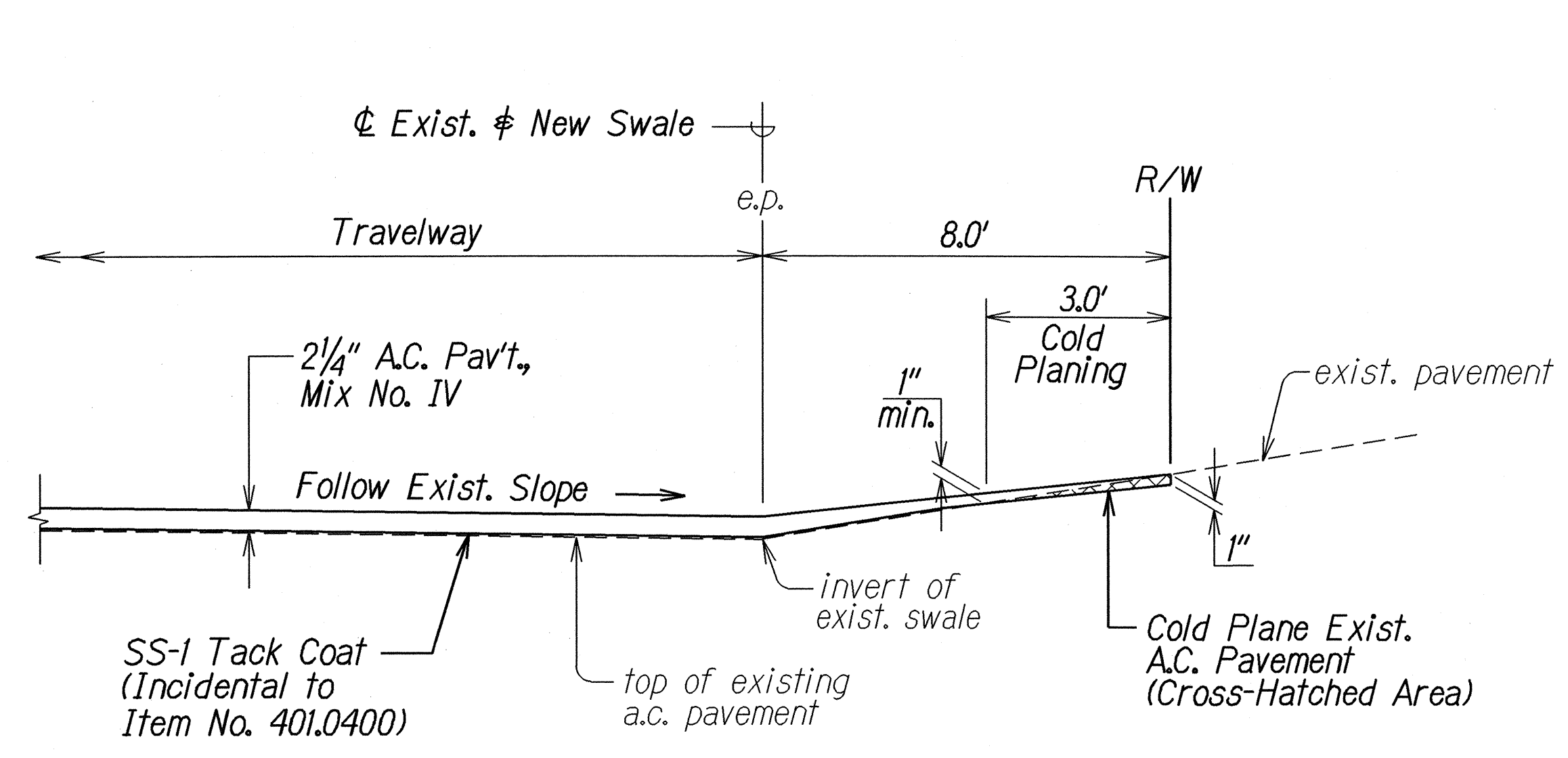
SECTION E
15 | 9
 STA. (-) 0+30 TO STA. 0+00 o/s RT.
 Not to Scale



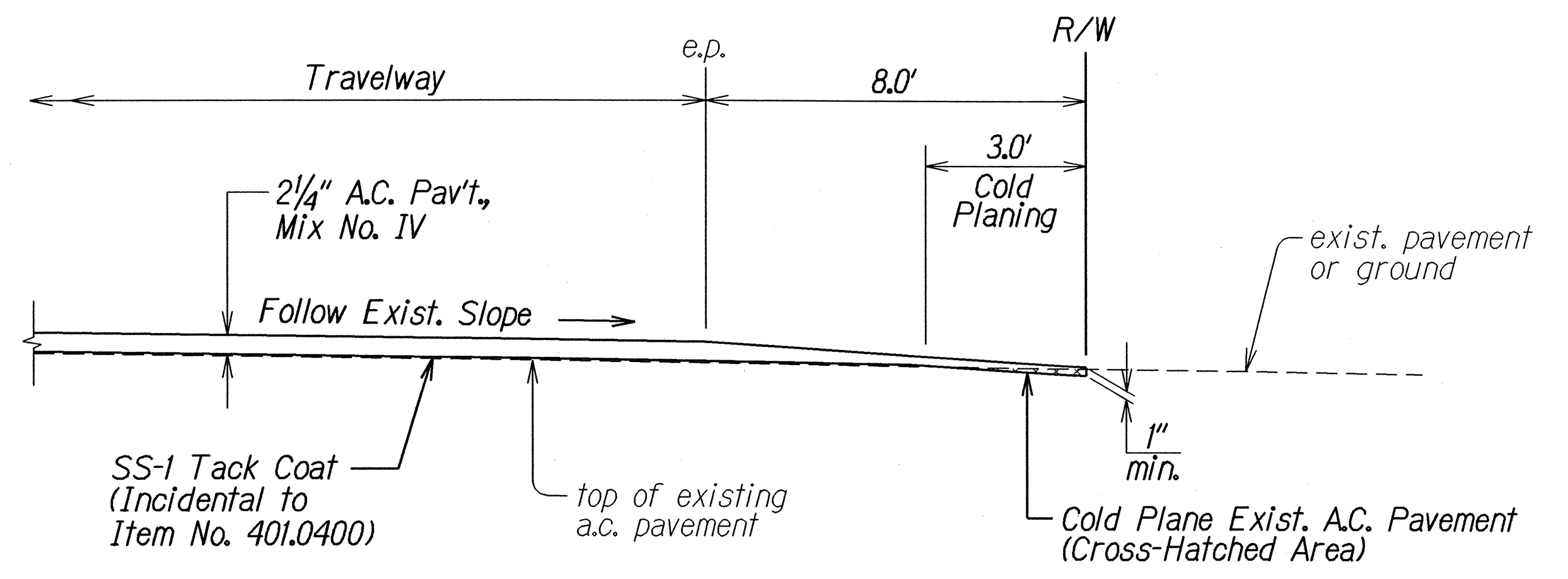
** 1.0% Slope from Sta. 0+00 to Sta. 0+65
 Transition Slope from 1.0% Slope at Sta. 0+65 to Exist. Slope @ Sta. 0+75

*** 0' @ Sta. 0+75
 8.0' @ Sta. 0+00

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



SECTION G
16 | 9
 STA. 0+75 TO STA. 3+70 o/s RT.
 Not to Scale



SECTION H
16 | 9
 STA. 3+70 TO STA. 5+80 o/s RT.
 Not to Scale

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	March 2004
CHECKED BY	TRACED BY	
	QUANTITIES BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

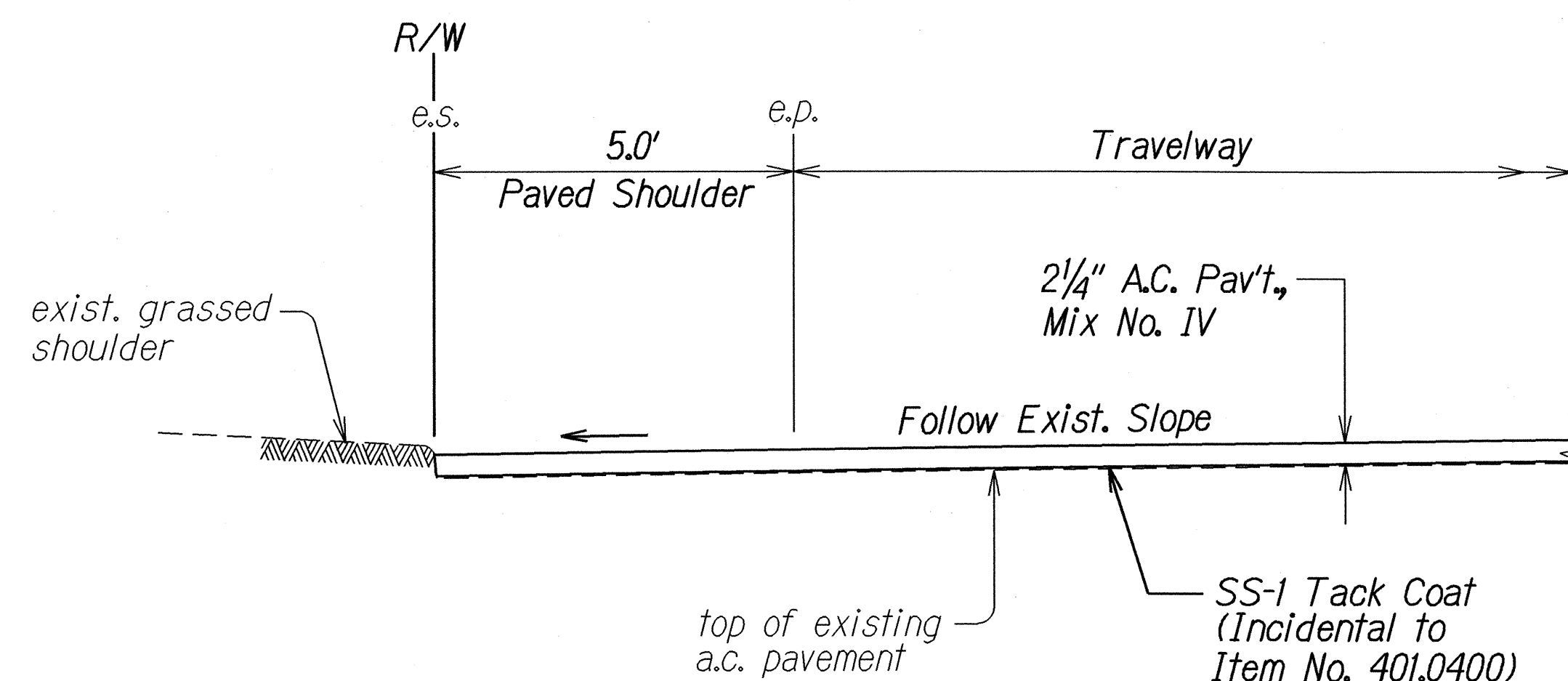
TYPICAL SECTIONS

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

Scale: As Shown Date: March 2004

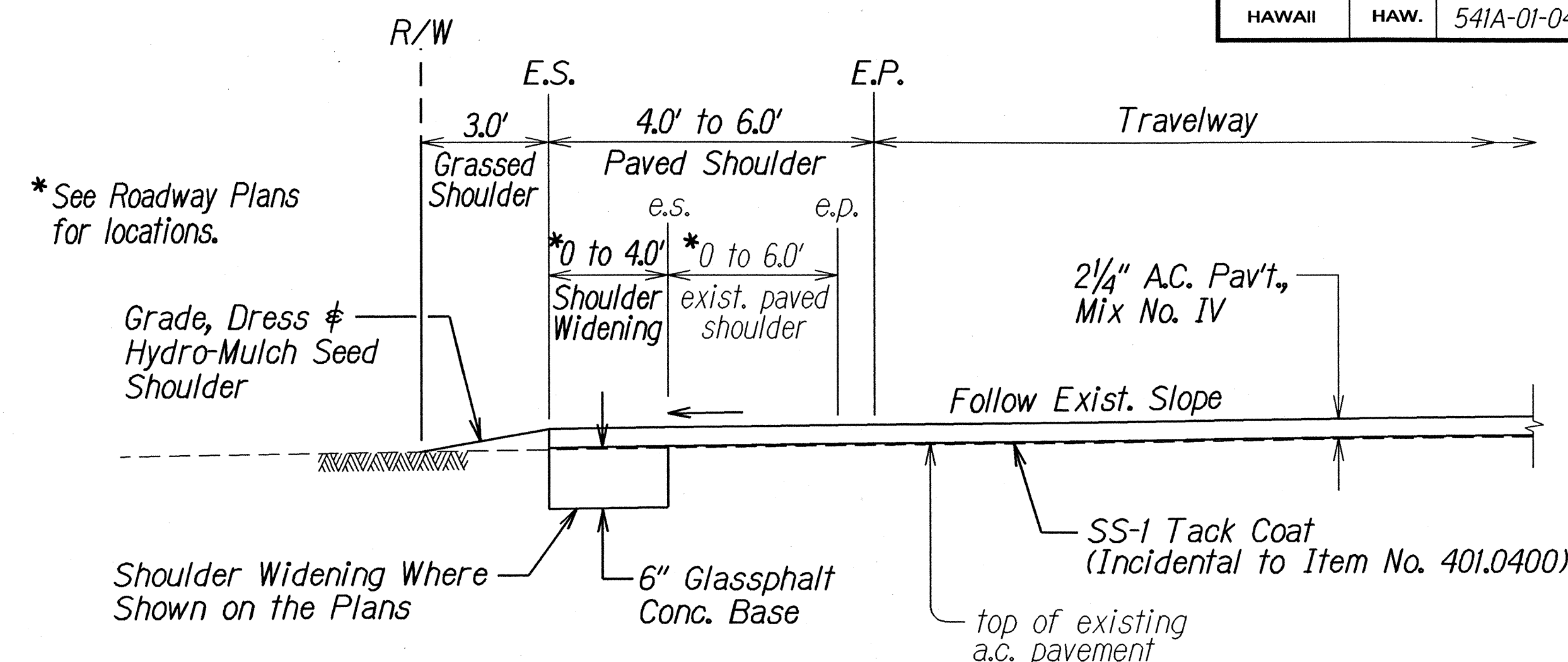
SHEET No. 4 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	541A-01-04M	2004	10	25



SECTION I
16/10

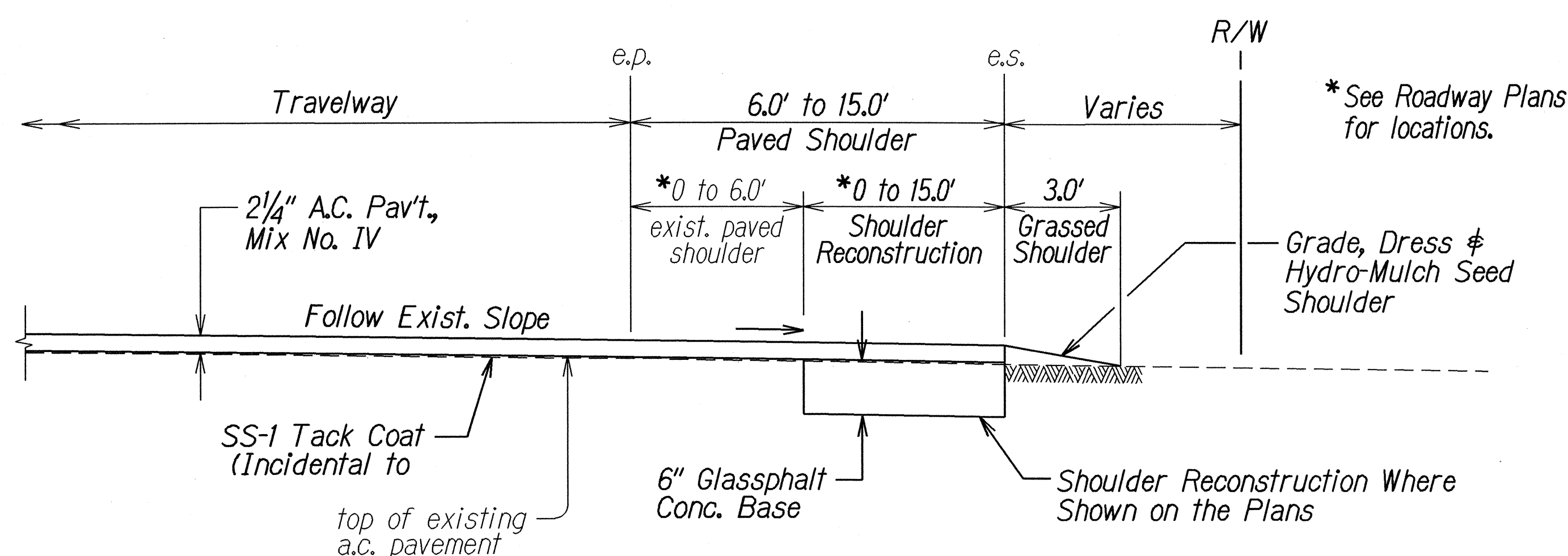
± STA. 3+85 TO ± STA. 4+50 o/s LT.
Not to Scale



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

SECTION J
16,17/10

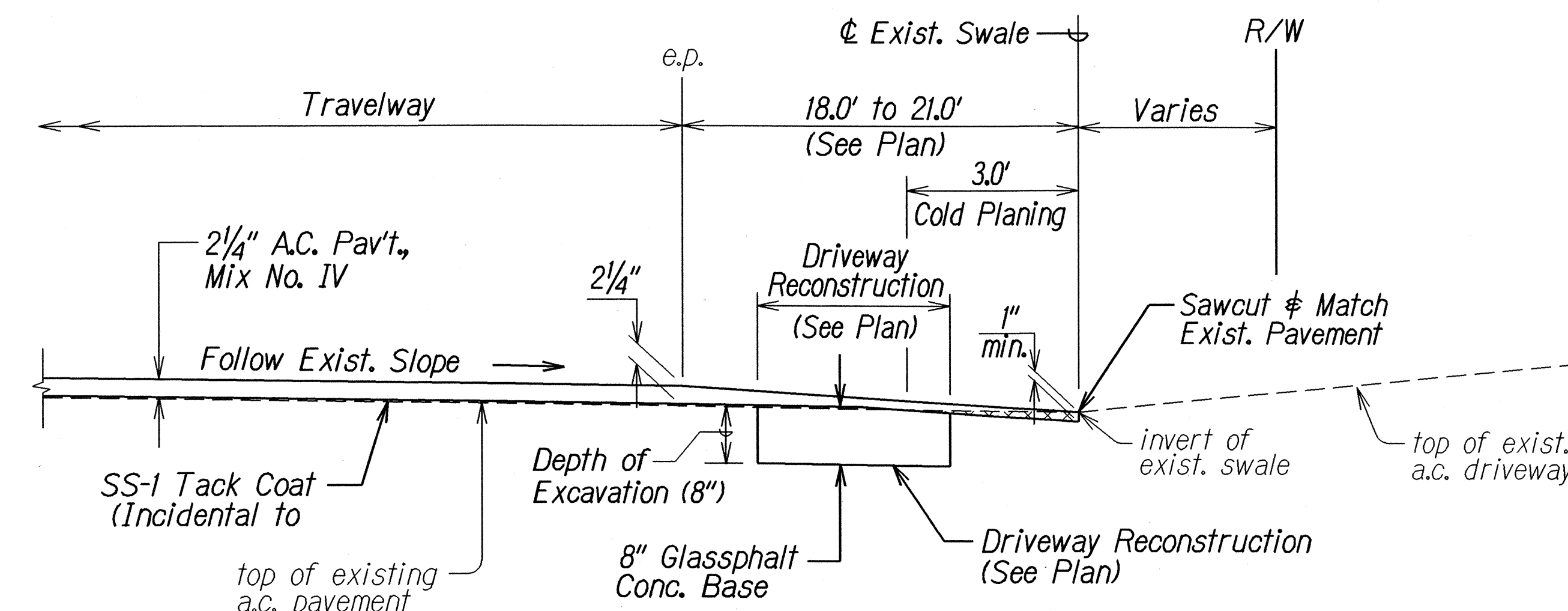
± STA. 4+50 TO ± STA. 16+00± o/s LT.
± STA. 8+35 TO ± STA. 16+30± o/s RT.
Not to Scale



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

SECTION K
16/10

± STA. 5+80 TO ± STA. 8+35± o/s RT.
Not to Scale



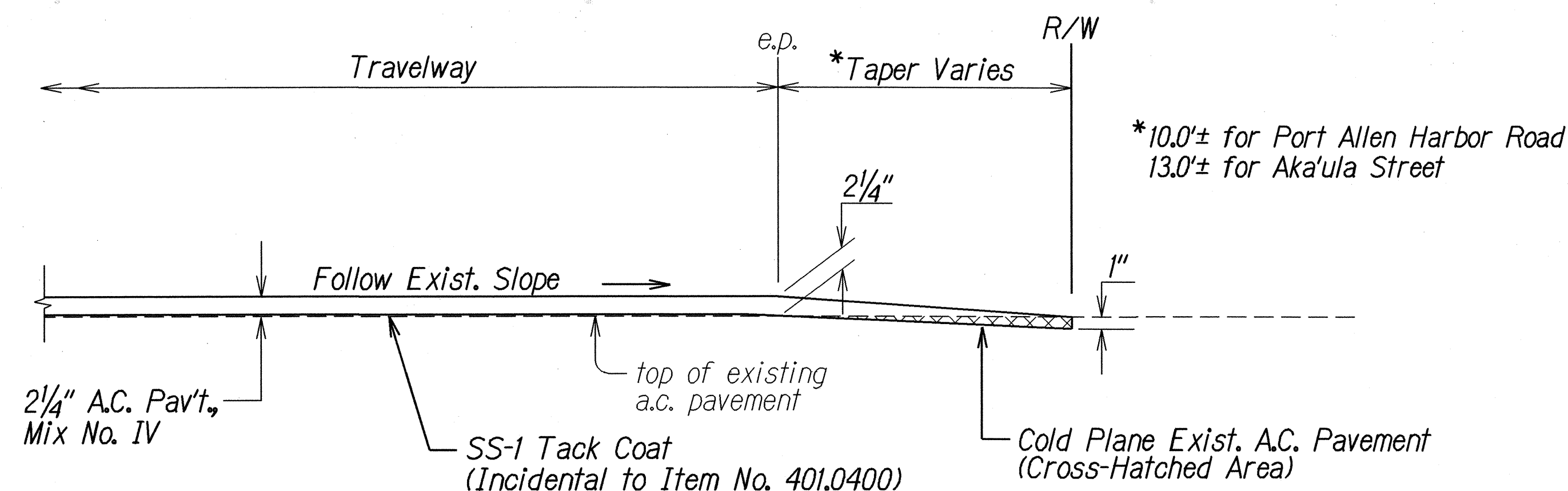
DETAIL 3
16/10

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

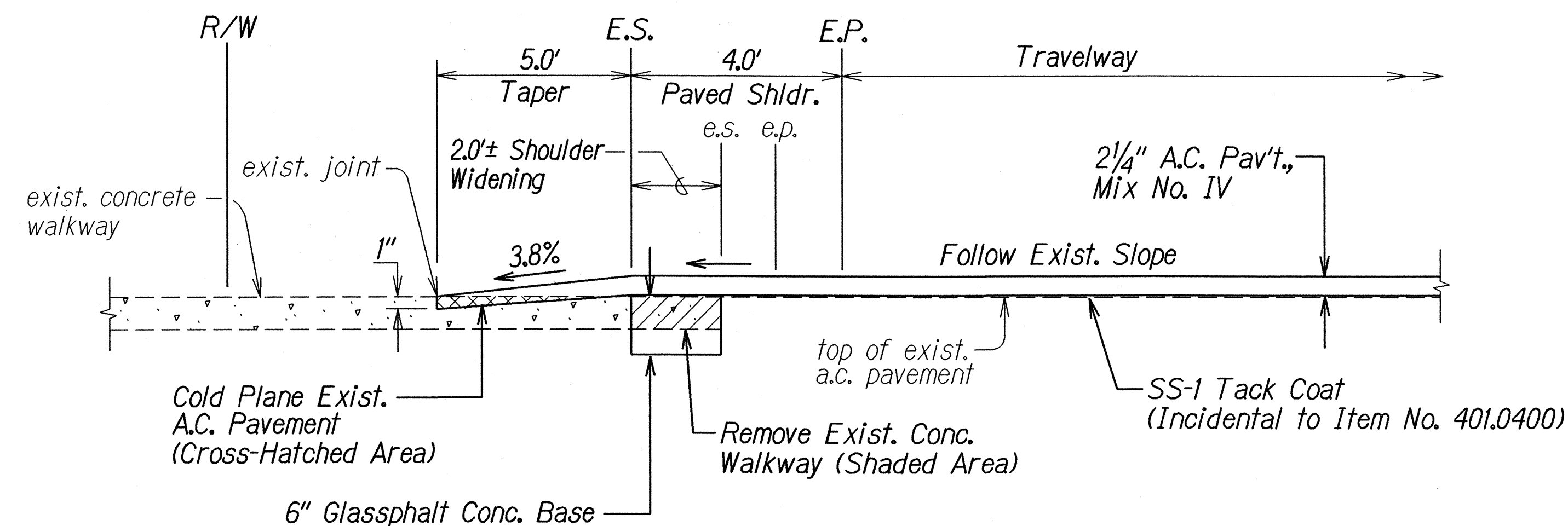
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	1/16/04
NOTES	CHECKED BY	
W. J. J. J.		

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. 5 OF 8 SHEETS

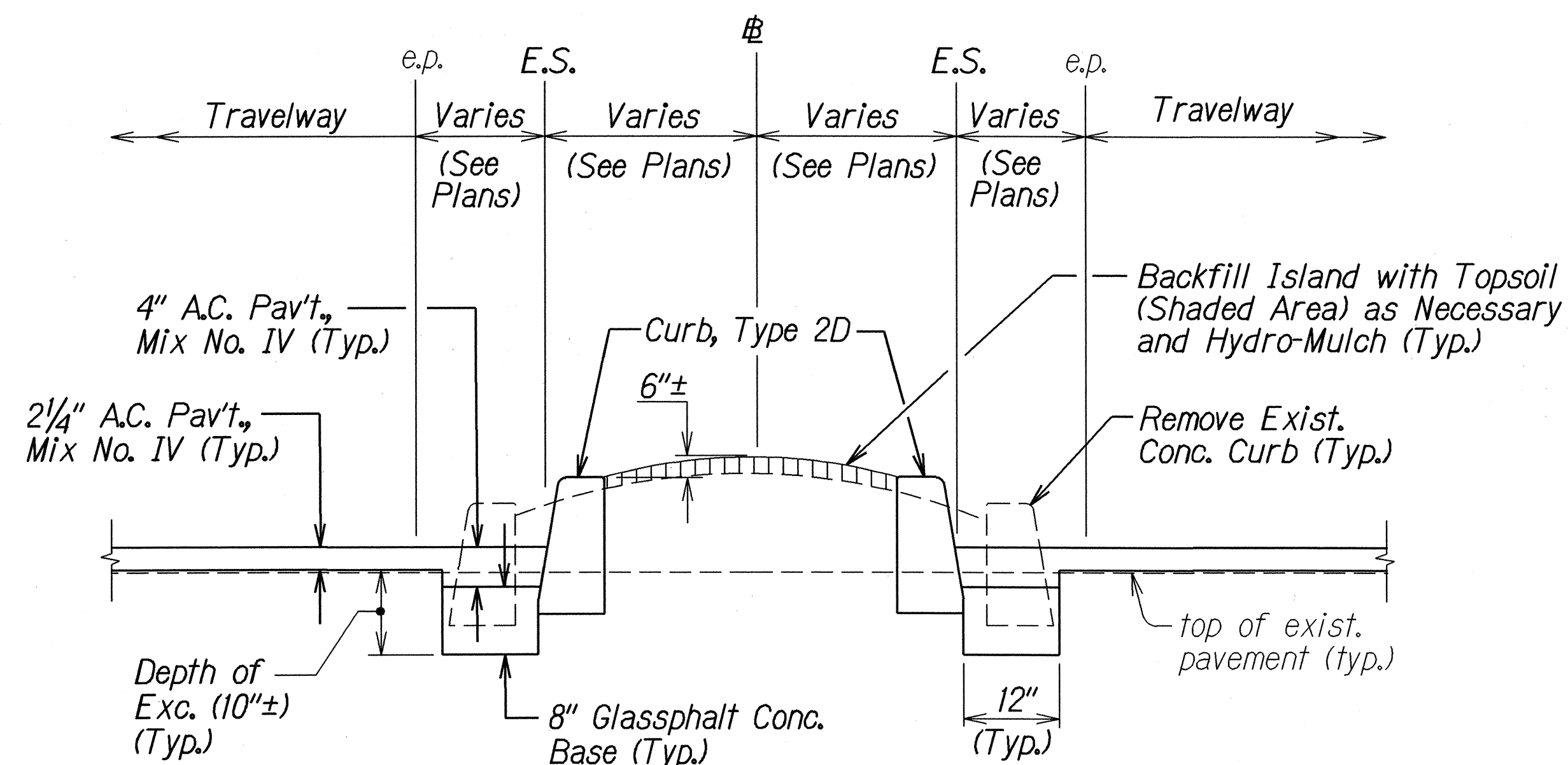
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	541A-01-04M	2004	11	25



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



**DETAIL 2
16/11**
**A.C. RESURFACING AT CONCRETE WALKWAY
AT STA. 6+00 TO 6+06 o/s LT.**
Not to Scale



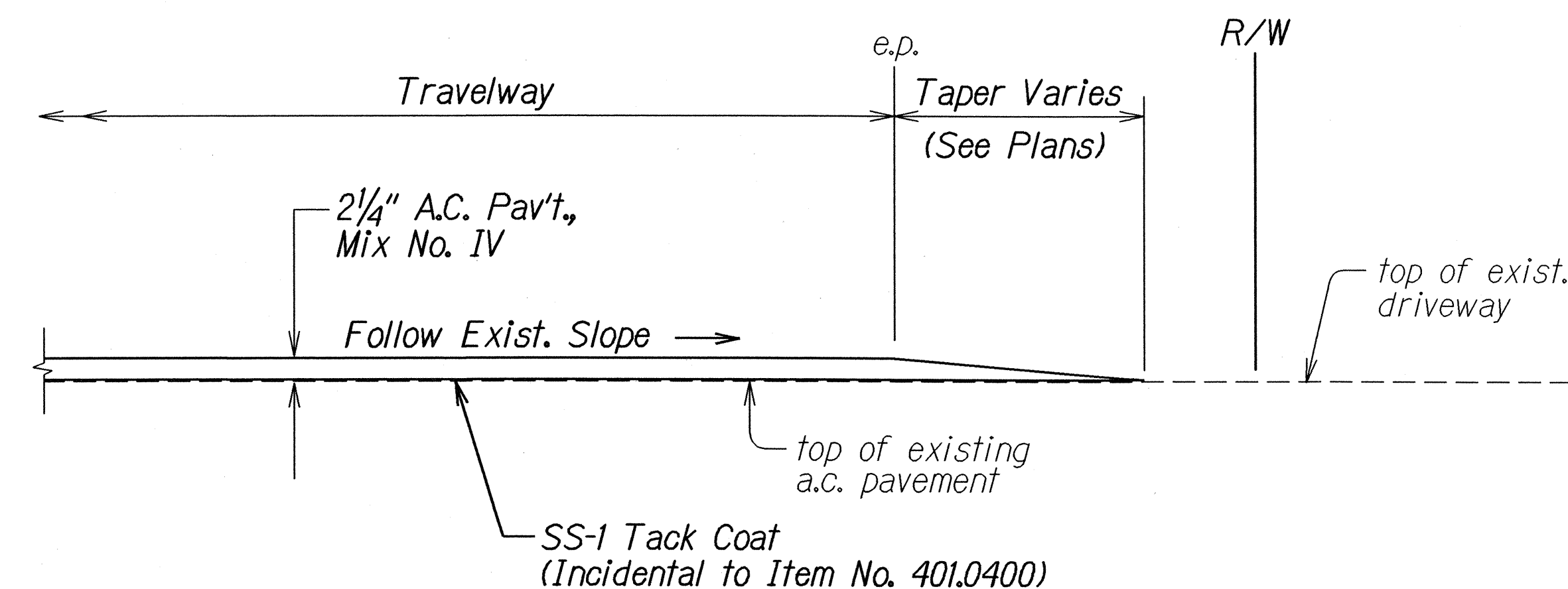
TYPICAL SECTION AT CURBED ISLANDS
Not to Scale

NOTES:

1. 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.
2. Topsoil shall for backfilling curbed islands shall not be paid for separately but shall be considered incidental to the various contract items.
3. 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.

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

A.C. RESURFACING AT PAVED DRIVEWAYS
Not to Scale



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

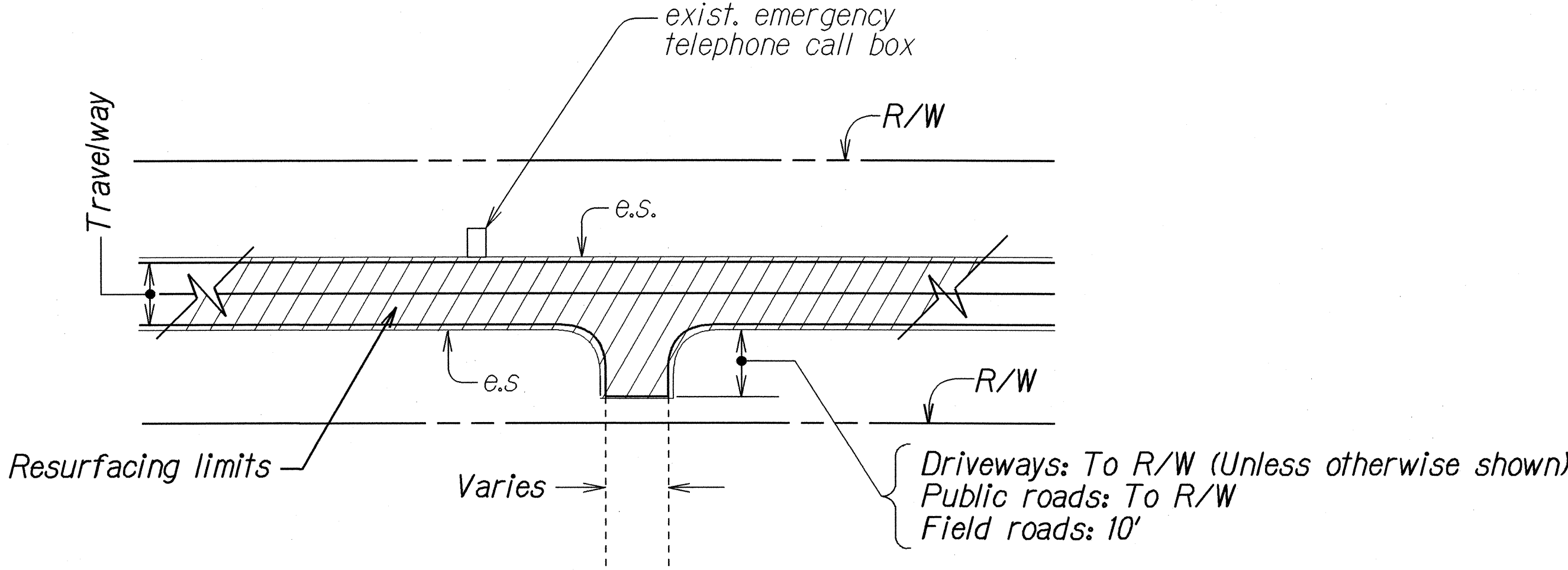
TYPICAL SECTIONS

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

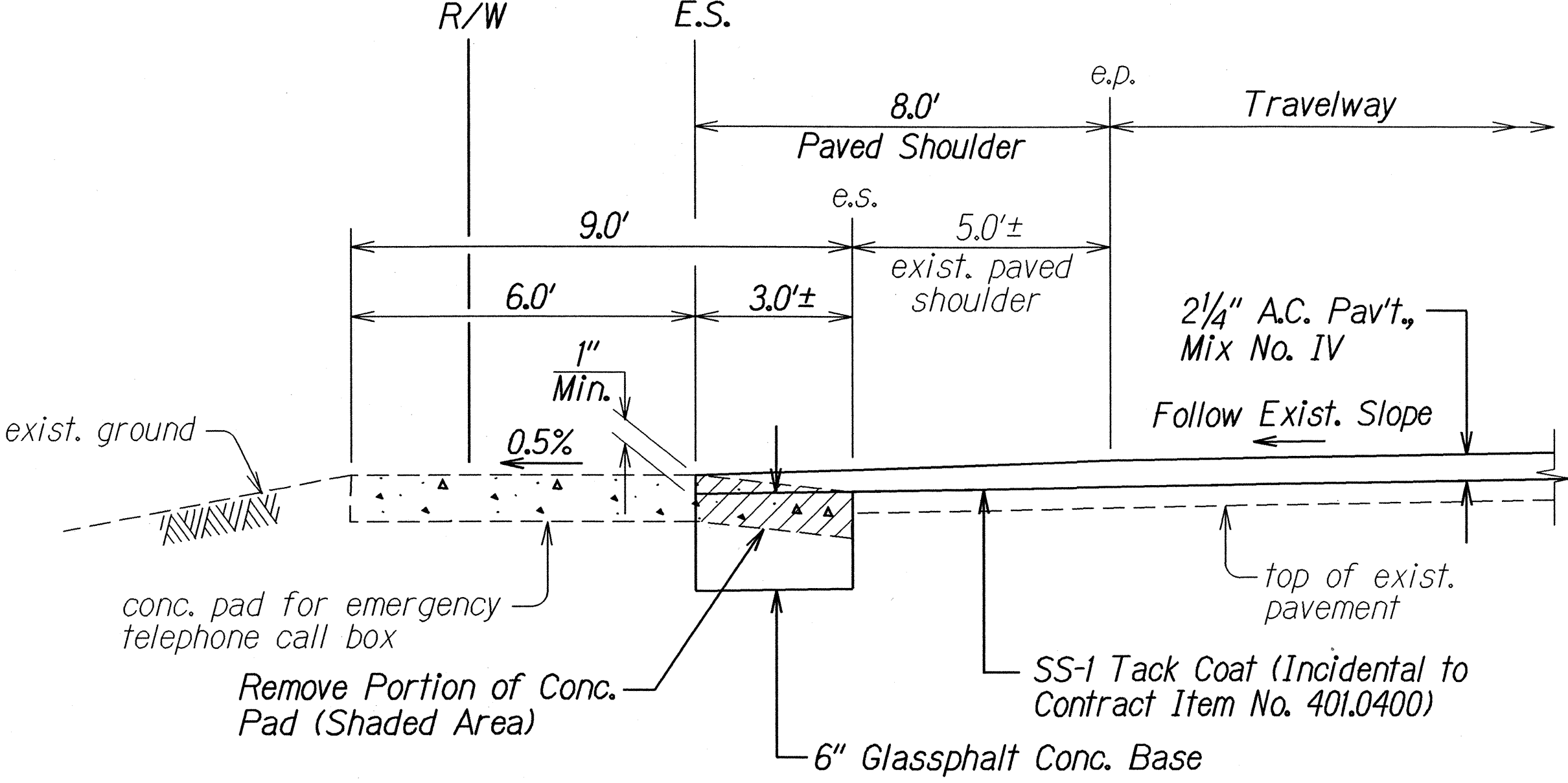
Scale: As Shown Date: March 2004

SHEET No. 6 OF 8 SHEETS

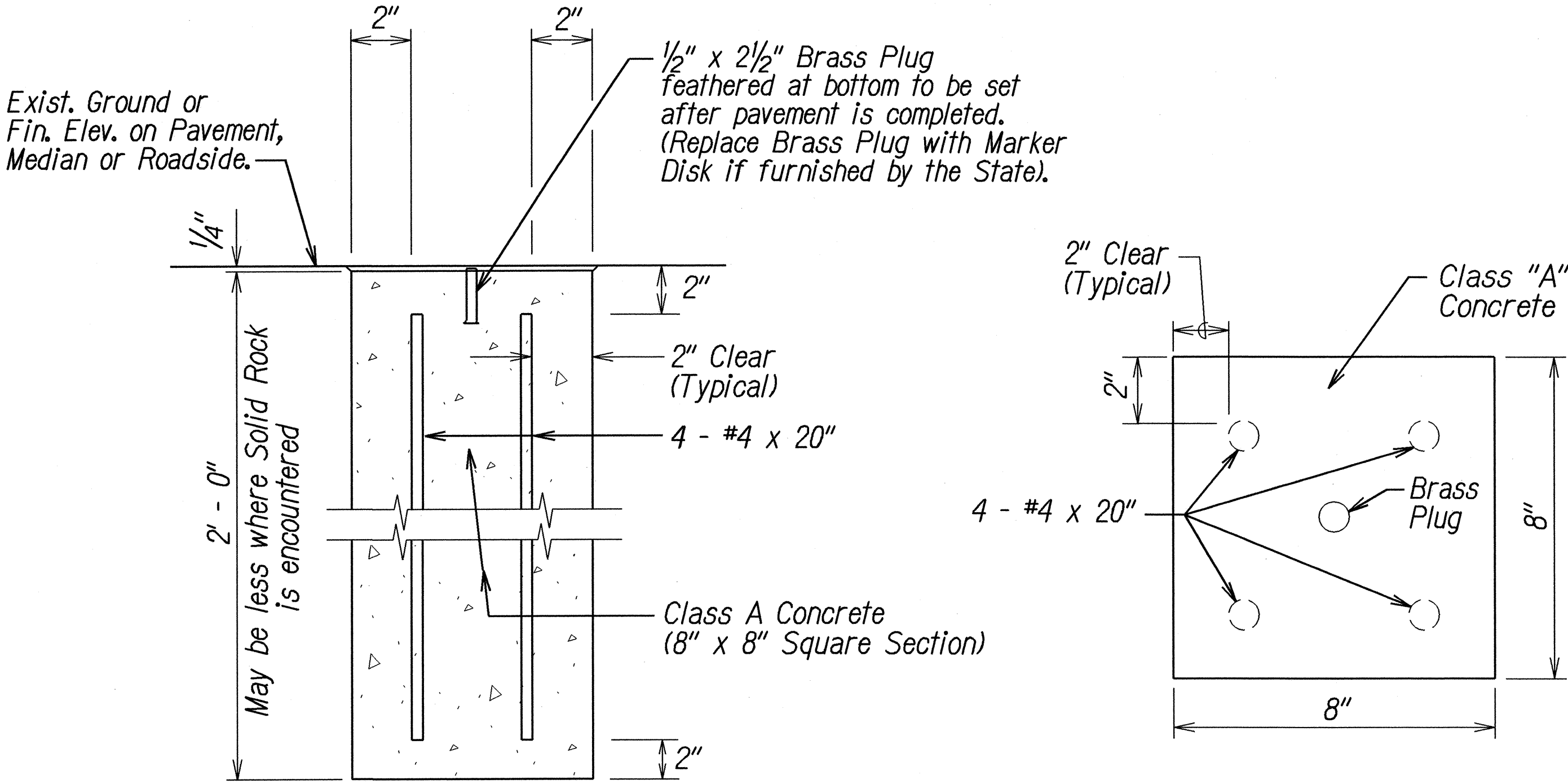
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	541A-01-04M	2004	13	25



PLAN
TYPICAL RESURFACING LIMITS
Not to Scale



DETAIL
Not to Scale 1
15 13



PLAN VIEW
DETAIL FOR CENTERLINE & REFERENCE
SURVEY MONUMENT
Not to Scale

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BOOK	DRAWN BY	March 2004
NOTED BOOK	TRACED BY	
NOTED BOOK	QUANTITIES BY	
NOTED BOOK	CHECKED BY	

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