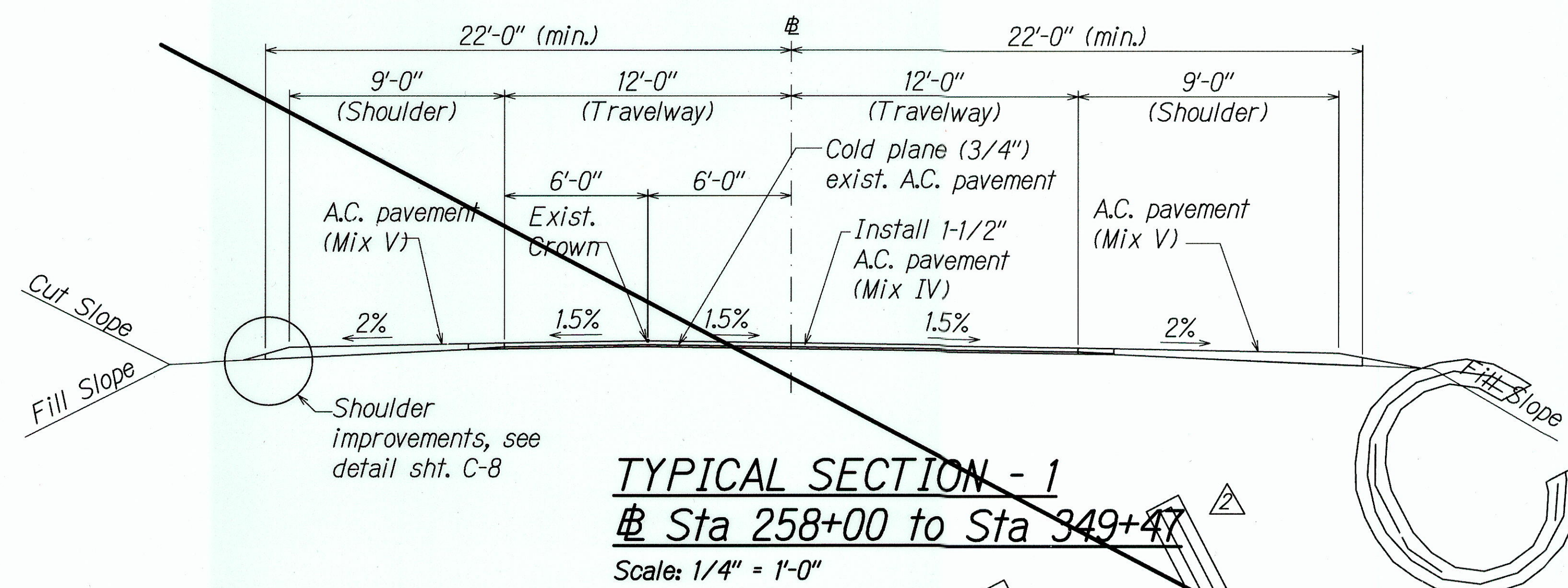
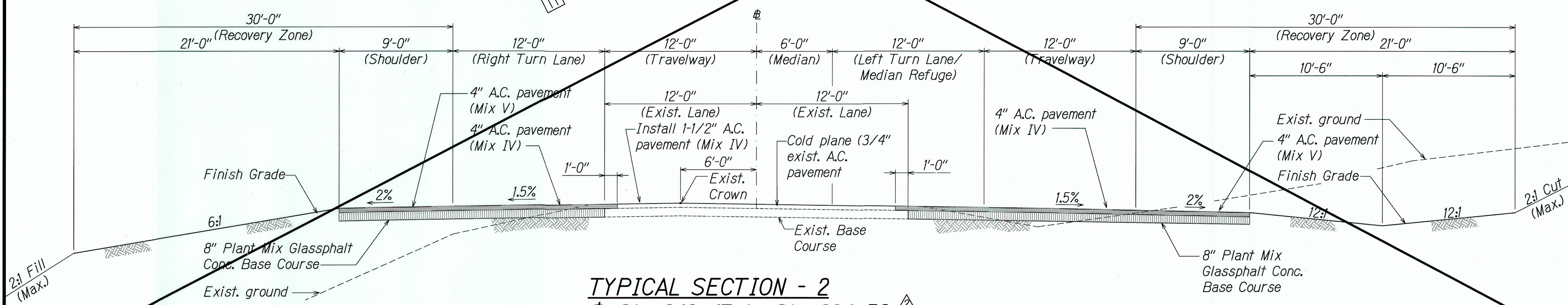


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	NH-019-1(35)	2004	8	70



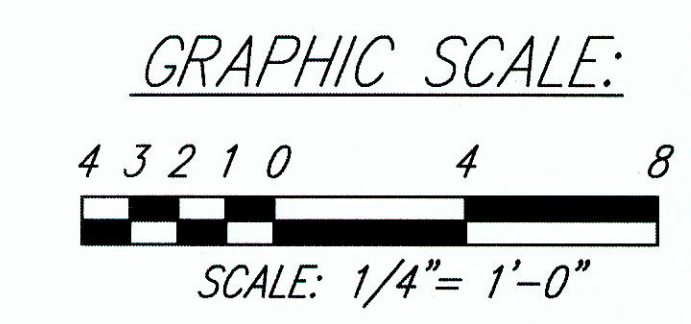
NOTES:

1. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
2. Apply tack coat to existing A.C. pavement and edge of all transverse and longitudinal joints prior to resurfacing.



TYPICAL SECTION - 2
Sta 349+47 to Sta 394+50
 Scale: 1/4" = 1'-0"

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



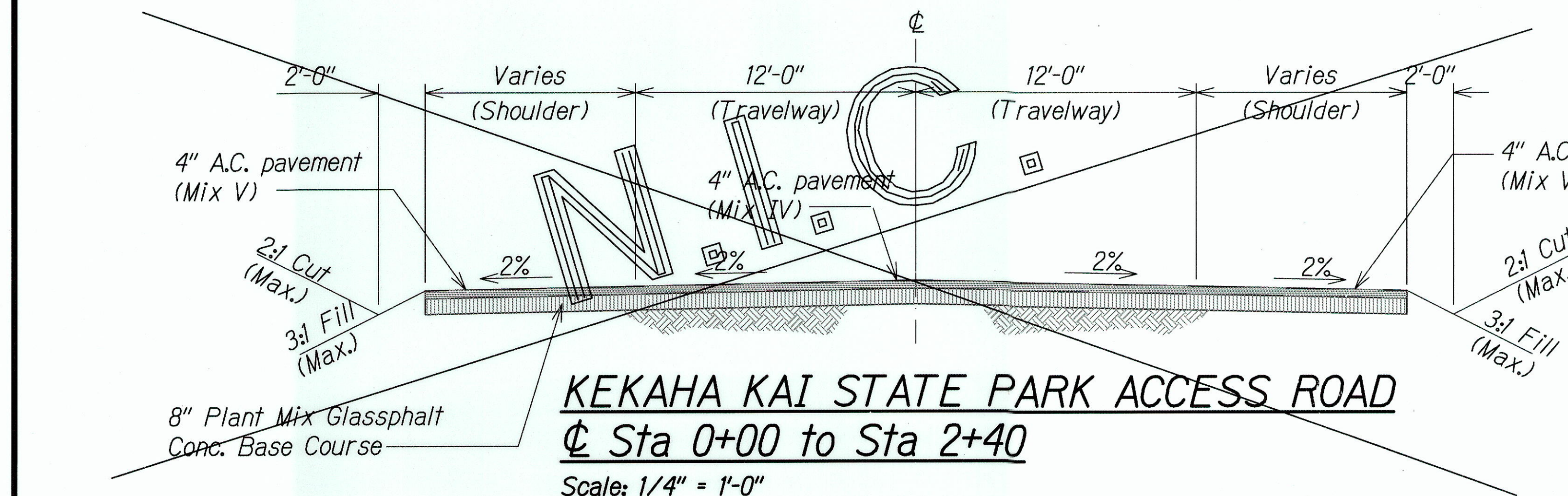
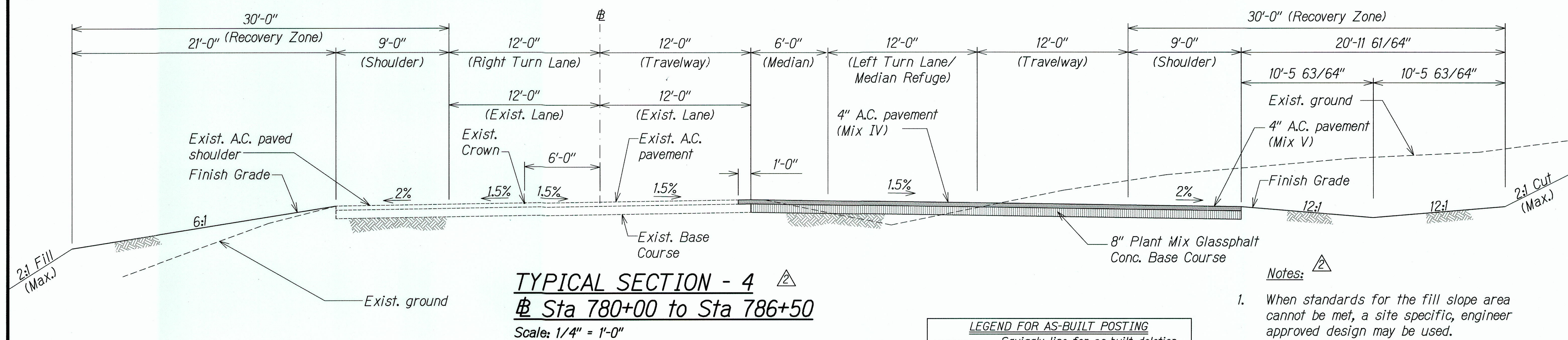
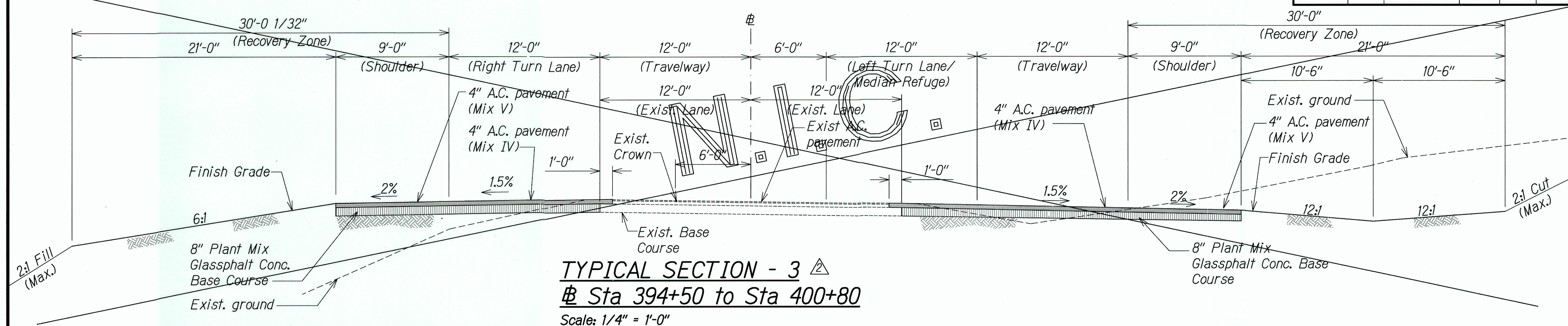
This work was prepared by me or under my supervision
 Chad M. McDonald
 4/30/2012
 MITSUNAGA & ASSOCIATES, INC. EXP. DATE

12/30/04	Sections Revised/ Note added
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS - 1	
QUEEN KAAHUMANU HIGHWAY Resurfacing and Intersection Improvements Federal-Aid Project No. NH-019-1(35) Scale: As Noted Date: March 2004	
SHEET No. C-6 OF 68 SHEETS	

ORIGINAL PLAN	DATE
DESIGNED BY	3/2/04
CHECKED BY	3/2/04
NOTED BY	3/2/04
NO.	

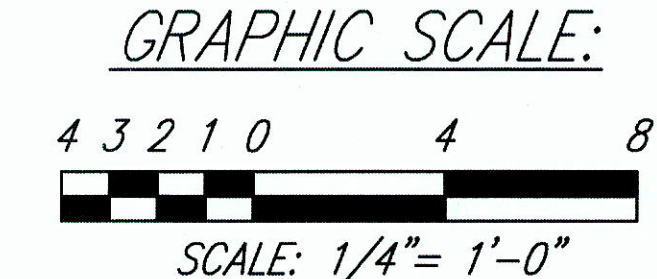
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	NH-019-1(35)	2004	C.O. 9	70



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

KEKAHA KAI ACCESS ROAD:
 Sta 2+40 to Sta 3+62.53
 1. Similar pavement section shall be utilized (4" AC (Mix IV)/ 8" Glassphalt Conc. Base Course).
 Travel lane width shall transition from 24 ft. to 16 ft. (See Sht. C-14)



This work was prepared by me or under my supervision
 4/30/2012
 MITSUNAGA & ASSOCIATES, INC. EXP. DATE
 NOTE: Contractor to check and verify dimensions at job before proceeding with work.

- Notes:** Δ
- When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
 - Apply tack coat to existing A.C. pavement and edge of all transverse and longitudinal joints prior to resurfacing.

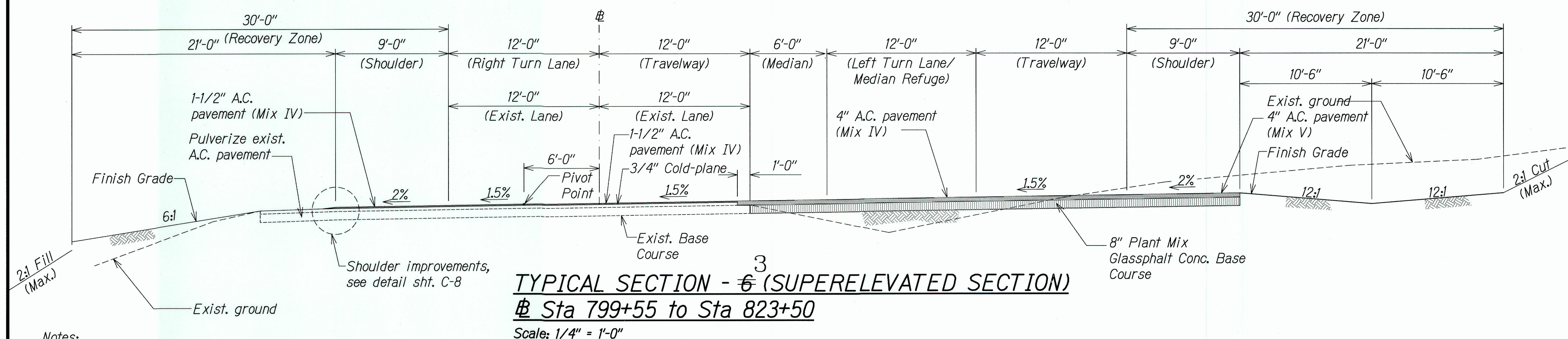
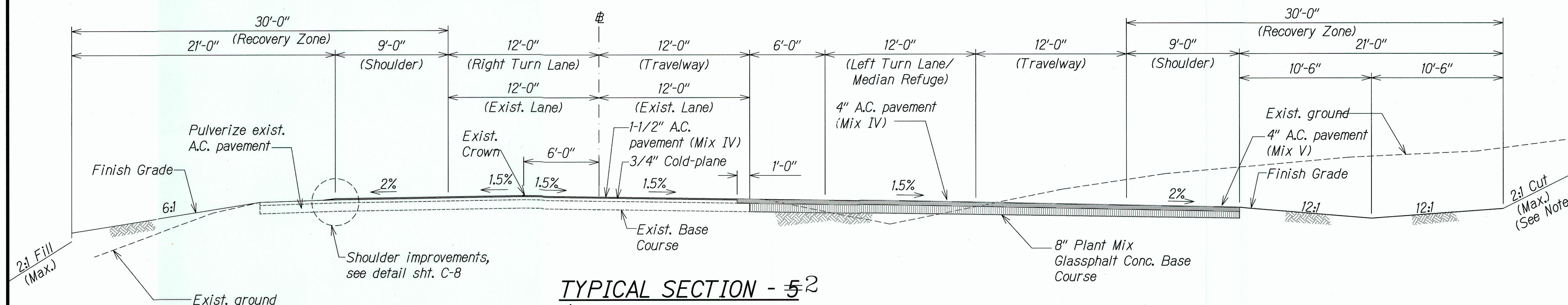
12/30/04	Sections Revised/ Note added
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS - 2	
QUEEN KAAHUMANU HIGHWAY Resurfacing and Intersection Improvements Federal-Aid Project No. NH-019-1(35)	
Scale: As Noted	Date: March 2004
SHEET No. C-7 OF 68 SHEETS	

"AS-BUILT"

C.O. 9

SURVEY PLOTTED BY	DATE
DESIGNED BY	3/04
TRACED BY	3/04
QUANTITIES BY	3/04
CHECKED BY	3/04
ORIGINAL PLAN	
NOTE BOOK	
No.	

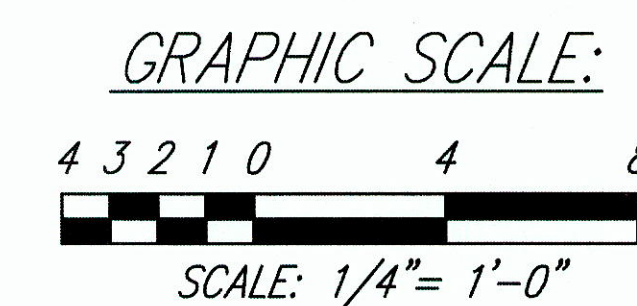
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	NH-019-1(35)	2004	C.O. 9S-1	70



Notes:

1. Sta 797+00 to Sta 801+00 shall utilize 1.5:1 cut (max.).
2. Apply tack coat to existing A.C. pavement and edge of all transverse and longitudinal joints prior to resurfacing.
3. Provide smooth shoulder and side slope transition between crown section and superelevated section at Sta 799+55 to 802+55.

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



This work was prepared by me or under my supervision
 4/30/2012
 MITSUNAGA & ASSOCIATES, INC. EXP. DATE
 NOTE: Contractor to check and verify dimensions at job before proceeding with work.

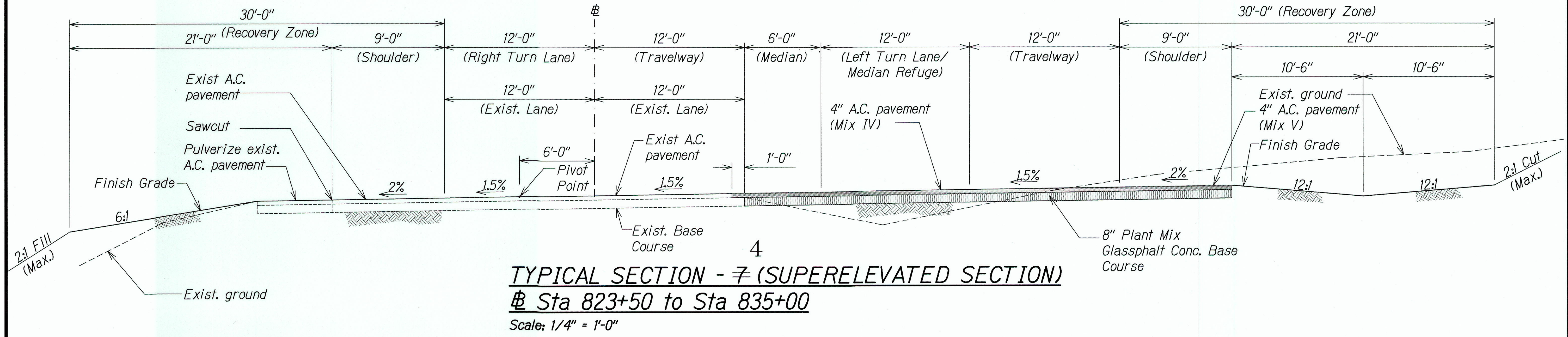
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DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS - 2	
QUEEN KAAHUMANU HIGHWAY Resurfacing and Intersection Improvements Federal-Aid Project No. NH-019-1(35) Scale: As Noted Date: March 2004	
SHEET No. C-7 OF 68 SHEETS	

"AS-BUILT"

C.O. 9S-1

SURVEY PLOTTED BY	DATE
DESIGNED BY	12/20
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

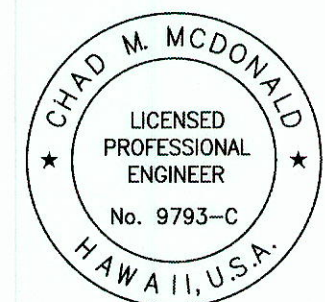
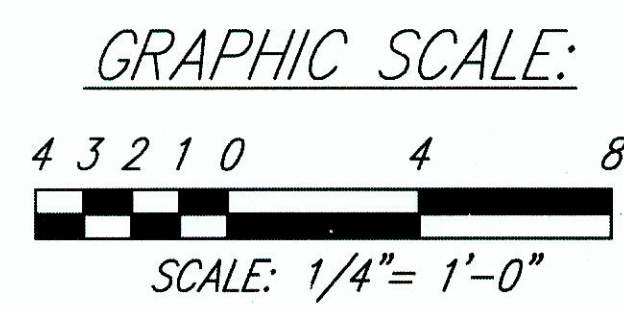
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	NH-019-1(35)	2004	C.O. 9S-2	70



- NOTES:**
1. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
 2. Apply tack coat to existing A.C. pavement and edge of all transverse and longitudinal joints prior to resurfacing.

SURVEY PLOTTED BY	DATE
DESIGNED BY	4/30/04
QUANTITIES BY	4/30/04
CHECKED BY	4/30/04

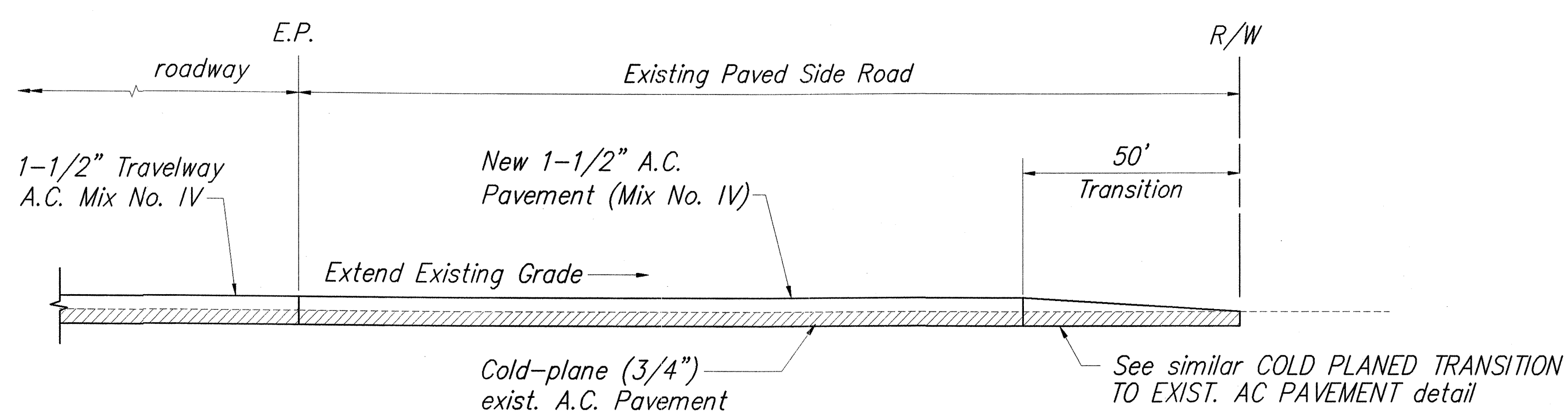
LEGEND FOR AS-BUILT POSTING	
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	Roadway Text for as-built posting



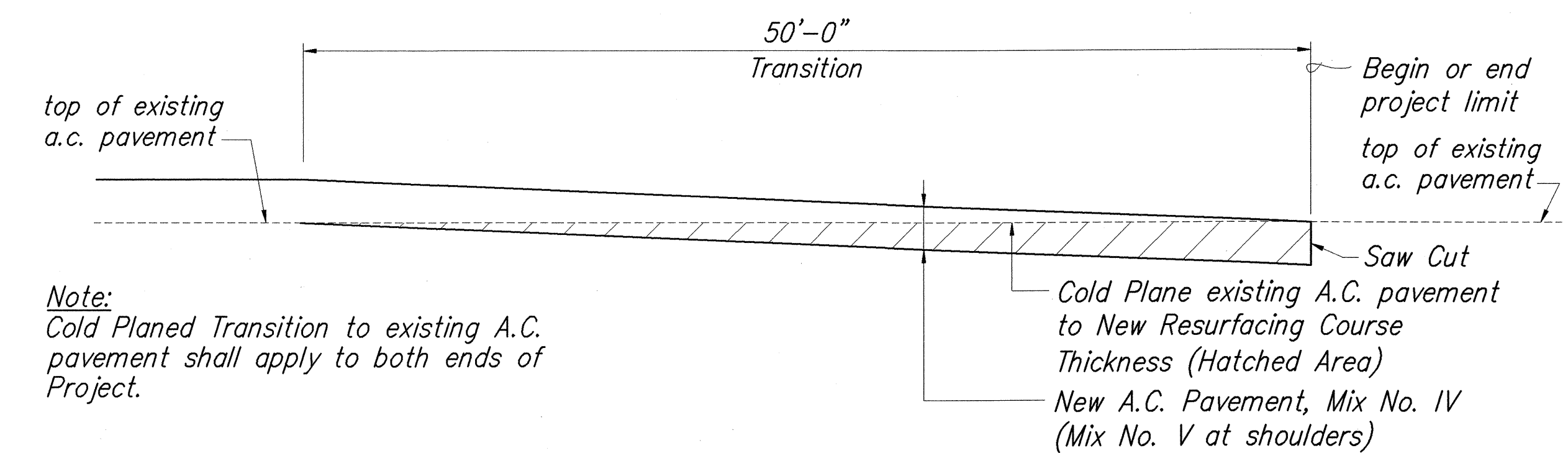
This work was prepared by me or under my supervision
 Chad M. McDonald
 4/30/2012
 MITSUNAGA & ASSOCIATES, INC. EXP. DATE

12/30/04	2 Sheet Added
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TYPICAL SECTIONS - 2 QUEEN KAAHUMANU HIGHWAY Resurfacing and Intersection Improvements Federal-Aid Project No. NH-019-1(35) Scale: As Noted Date: March 2004 SHEET No. C-7 OF 68 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(35)	2004	10	70

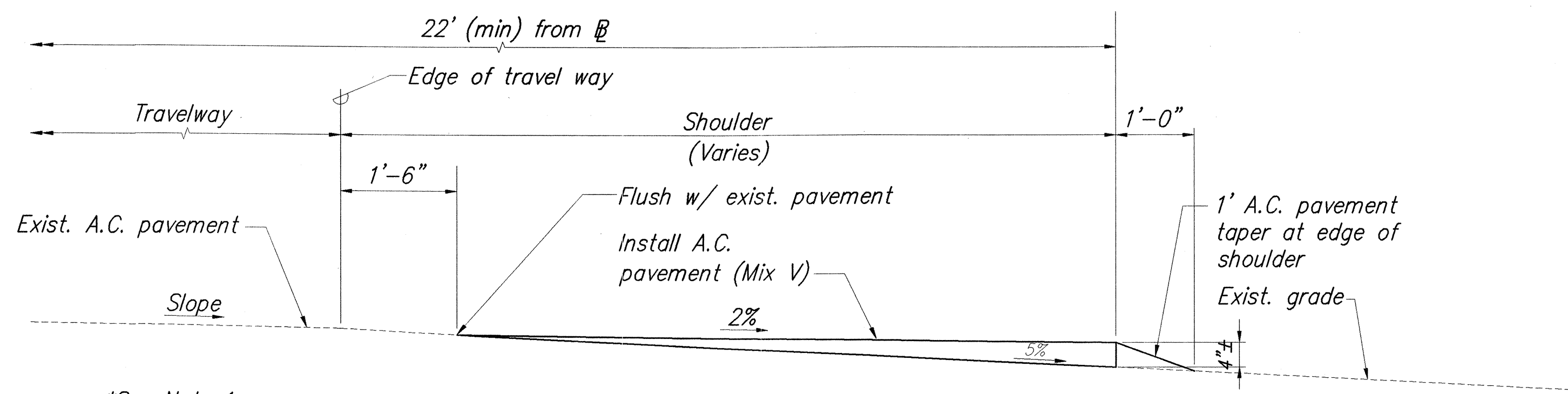


A.C. RESURFACING AT PAVED SIDEROAD DETAIL
Not to Scale



Note:
Cold Planed Transition to existing A.C. pavement shall apply to both ends of Project.

COLD PLANED TRANSITION TO EXISTING A.C. PAVEMENT
Not to Scale



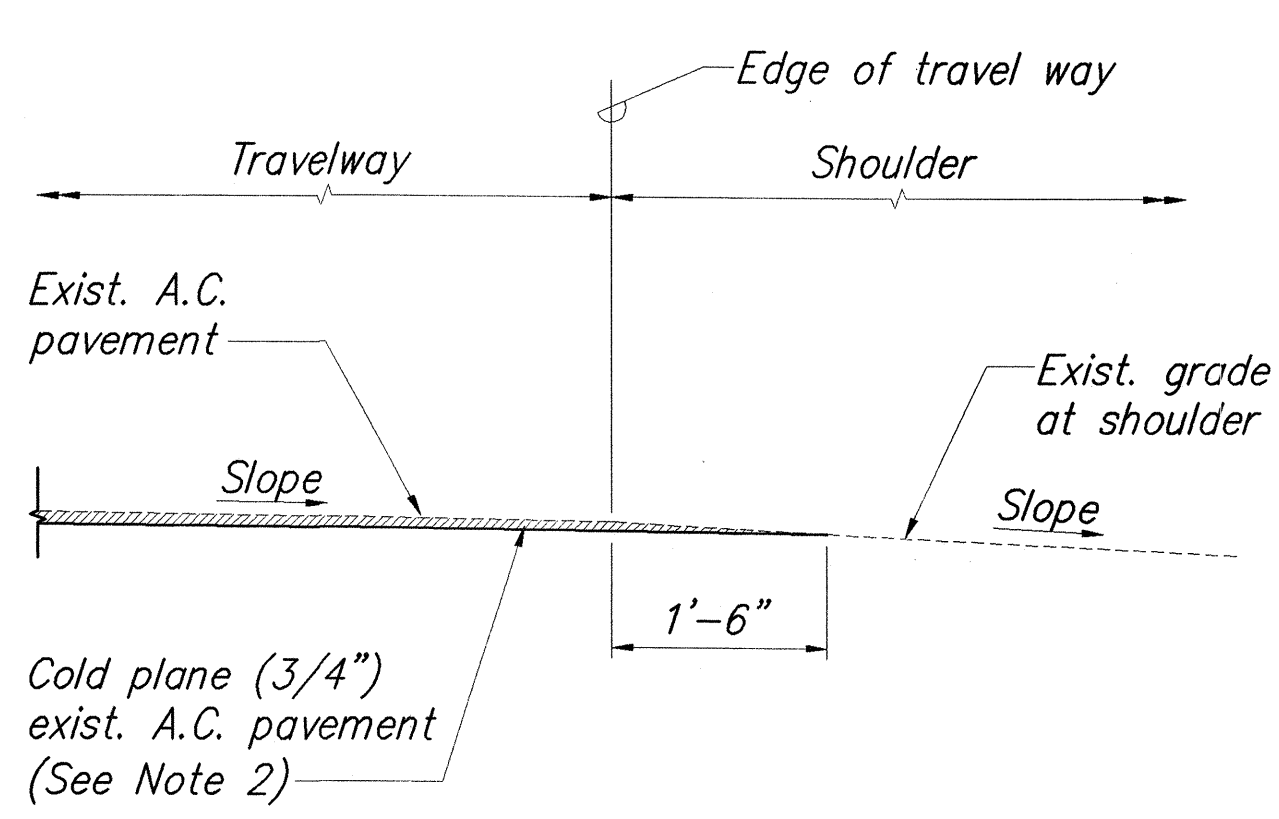
*See Note 1

SHOULDER LEVELING DETAIL
Scale: 3/4" = 1'-0"

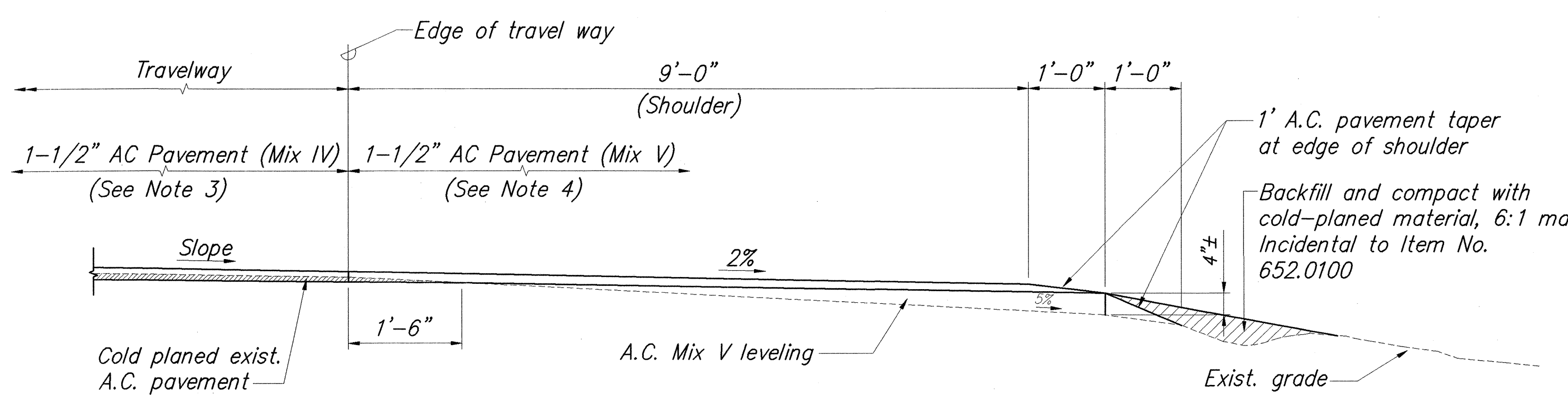
**CONSTRUCTION SEQUENCING:
(RESURFACING CONDITION)**

1. Level shoulders to provide a 2% cross slope across the entire width of the shoulder. Shoulder slopes at high end of superelevations shall be the same as the travelway cross slope.
2. Cold-plane travel way and 1.5± ft. section of shoulder.
3. Pave travel way with 1-1/2" AC pavement (Mix IV).
4. Pave shoulder with 1-1/2" AC pavement (Mix V) over shoulder leveling course.
5. The Contractor will be allowed to pave one lane of roadway on a single day with the adjacent shoulder being paved the next day. The adjacent lane shall be paved no later than the seventh day.

Note:
Apply tack coat to existing A.C. pavement and edge of all transverse and longitudinal joints prior to resurfacing.

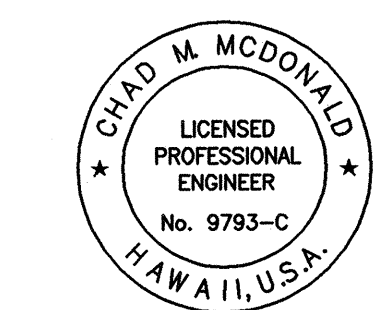
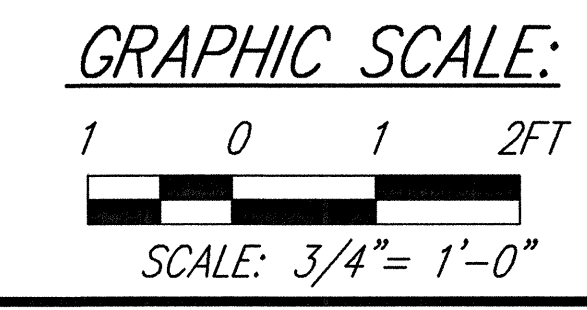


COLD-PLANING DETAIL
Scale: 3/4" = 1'-0"



B Sta 258+00 to Sta 352+20

SHOULDER IMPROVEMENT DETAIL
Scale: 3/4" = 1'-0"



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Chad M. McDonald
MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL SECTIONS - 3
QUEEN KAAHUMANU HIGHWAY
Resurfacing and Intersection Improvements
Federal-Aid Project No. NH-019-1(35)
Scale: As Noted
Date: March 2004
SHEET No. C-8 OF 68 SHEETS

10

SURVEY PLOTTED BY	DATE
DRAWN BY	3/04
TRACED BY	3/04
CHECKED BY	3/04
ORIGINAL PLAN	
NOTE BOOK	
No.	