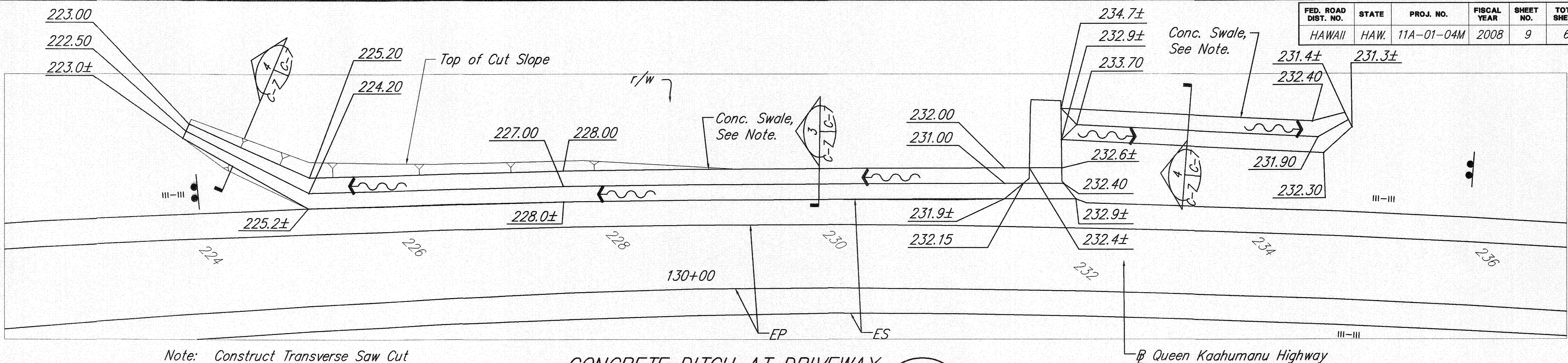


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-01-04M	2008	9	63

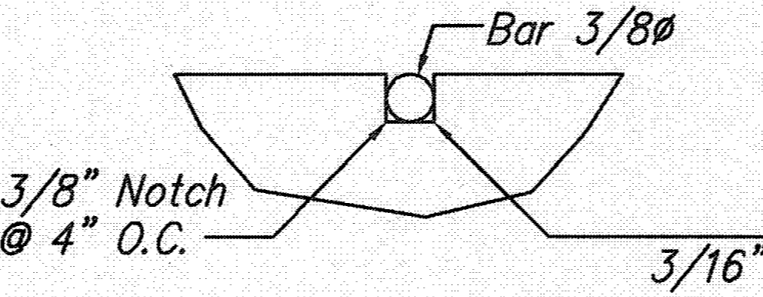
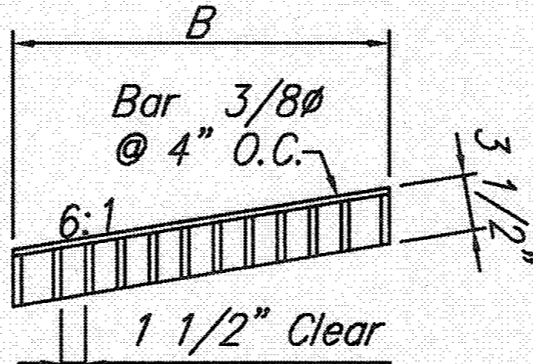
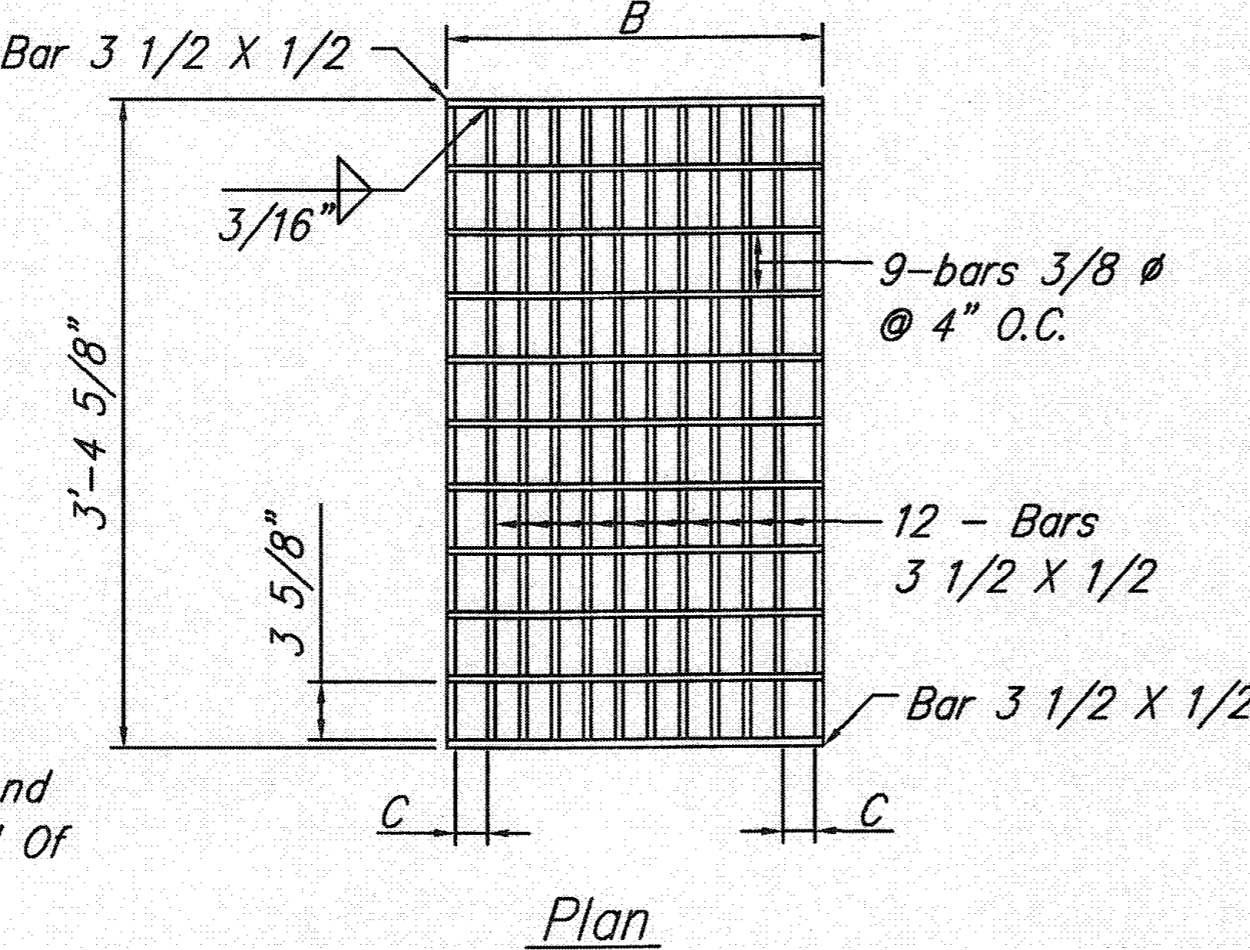


Note: Construct Transverse Saw Cut Joints (SCJ) at 10' o.c., see Det. 1/C-8

CONCRETE DITCH AT DRIVEWAY  
Scale: 1"= 20'-0"

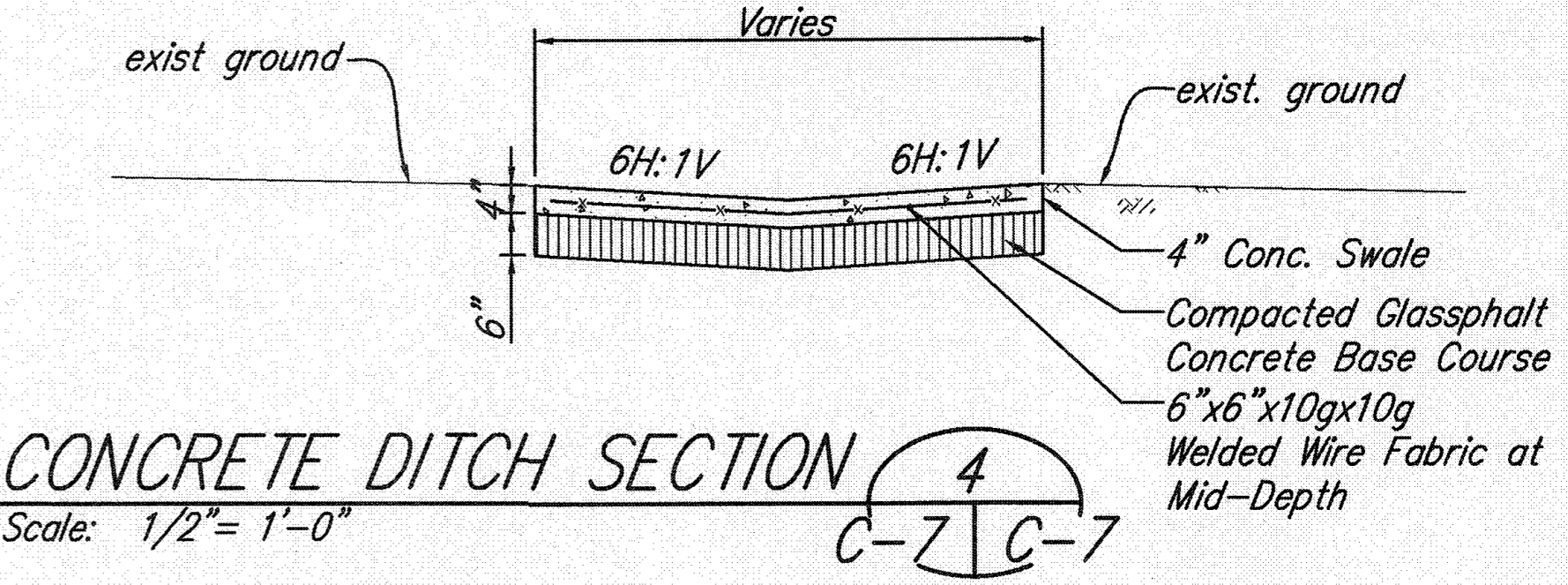
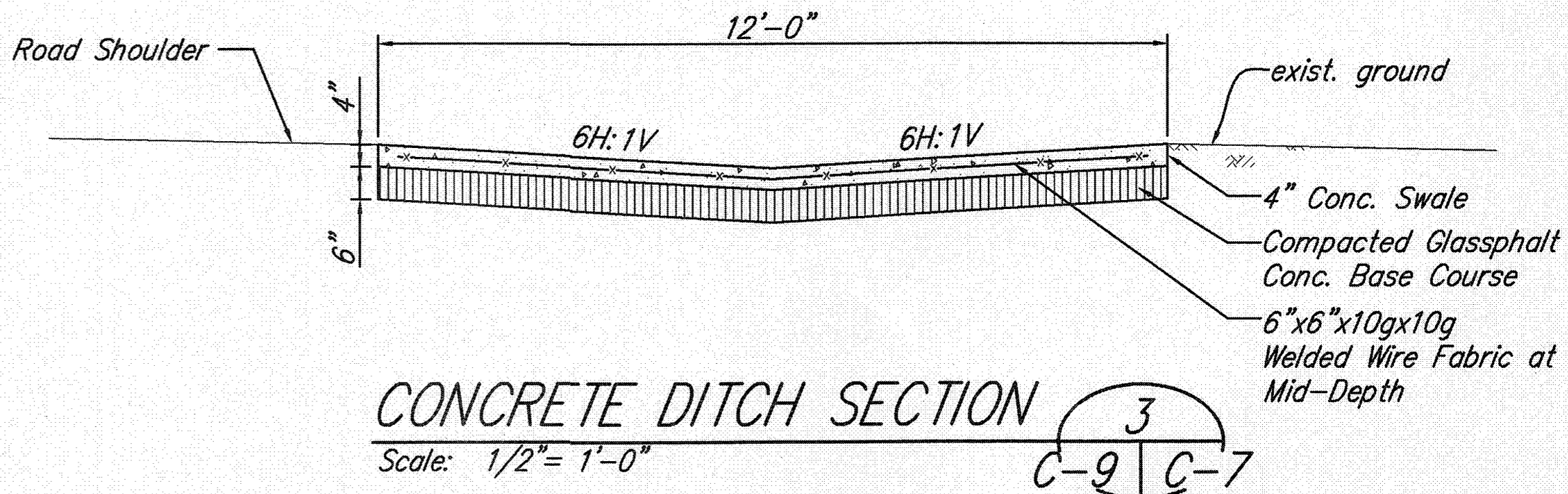
General Notes

- Steel Frame Details For Grates Shall Be The Steel Frames Shown On Standard Plan H-13.
- Grates Shall Be Hot Dip Galvanized After Fabrication.
- Use In Locations Off The Road Bed On All Types Of Highways. (Pedestrian Safe)
- Submit Shop Drawings For Approval, Of The New Frame And Grating As Well As The Method Of Replacing The Frame, Prior To Ordering The Materials.



Dimensions					
Type	No. Bars	A	B	C	D
61614P	12		1'-11 1/2"	2"	

TYPE 61614P STEEL GRATE (PEDESTRIAN SAFE)  
Scale: 1 1/2"=1'-0"



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	



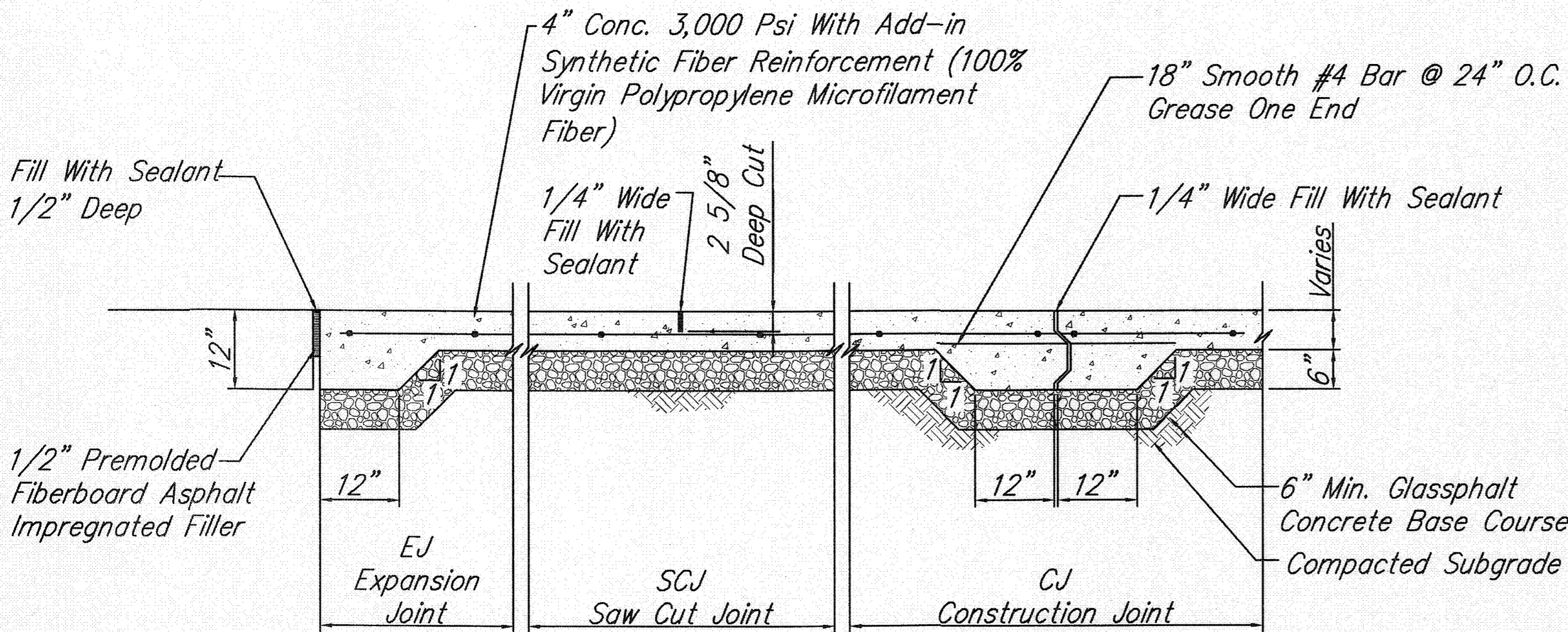
This work was prepared by me or under my supervision

MITSUNAGA & ASSOCIATES, INC. 4/30/2010  
DATE: May 2008

NOTE: Contractor to check and verify dimensions at job before proceeding with work.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**MISCELLANEOUS DETAILS**  
  
**QUEEN KAAHUMANU HIGHWAY**  
**Resurfacing, Henry Street to Lako Road**  
**Project No. 11A-01-04M**  
SCALE: As Noted      DATE: May 2008  
**SHEET No. C-7 OF 63 SHEETS**

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-01-04M	2008	10	63




Jointing Notes:

1. Maximum Spacing Between Any Two Consecutive Saw Cut Joints Or Construction Joints Shall Be 10 Feet.
2. All Saw Cut Joints Shall Be Cut Within 24 Hours Of Placement Of Concrete.
3. All Saw Cut Joints Shall Be Clean And Free Of Dirt, Dust And Water Prior To Placement Of Sealants.
4. All Saw Cut Joints Shall Be Straight And Perpendicular To Centerline Of Slab.
5. All Proposed Slabs Shall Be Broom Finished. The Finished Surface Shall Be Scored Into Squares With Sides Equal To Width, Or As Otherwise Shown On The Plans.

**CONCRETE PAVEMENT AND JOINTING DETAIL**  
 Scale: 3/4" = 1'-0" 1  
C-7 C-8

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	



CHAD M. McDONALD  
 LICENSED PROFESSIONAL ENGINEER  
 No. 9793-C  
 HAWAII, U.S.A.

This work was prepared by me or under my supervision

*Chad M. McDonald* 4/30/2010  
 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

**MISCELLANEOUS DETAILS**

QUEEN KAAHUMANU HIGHWAY  
 Resurfacing, Henry Street to Lako Road  
 Project No. 11A-01-04M

SCALE: As Noted DATE: May 2008

**SHEET No. C-8 OF 63 SHEETS**