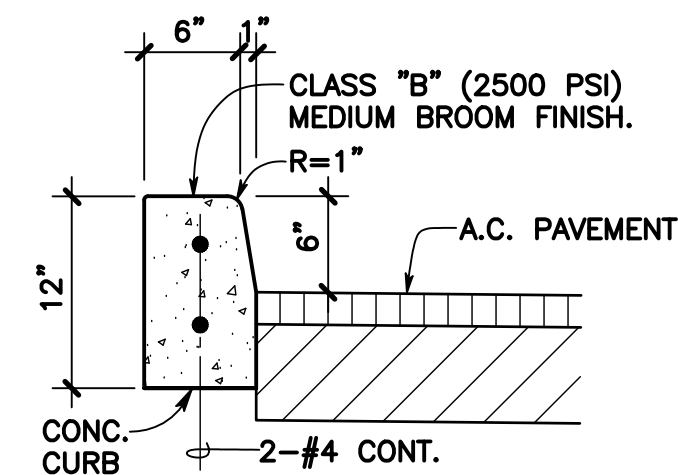
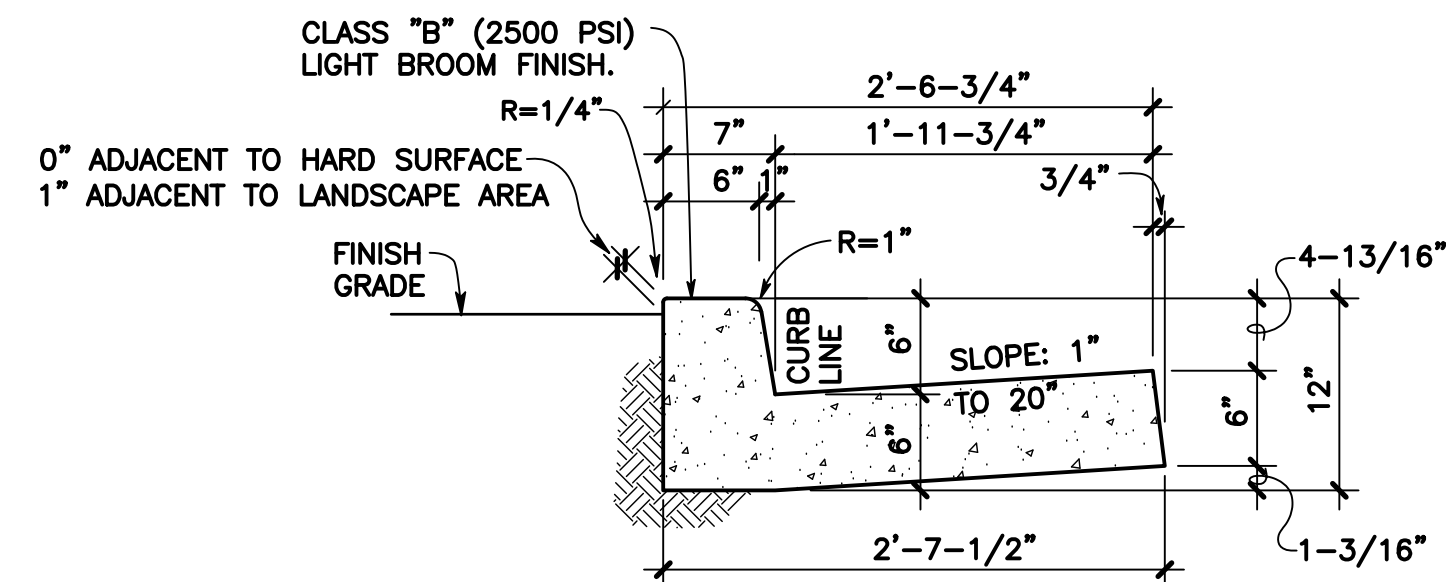


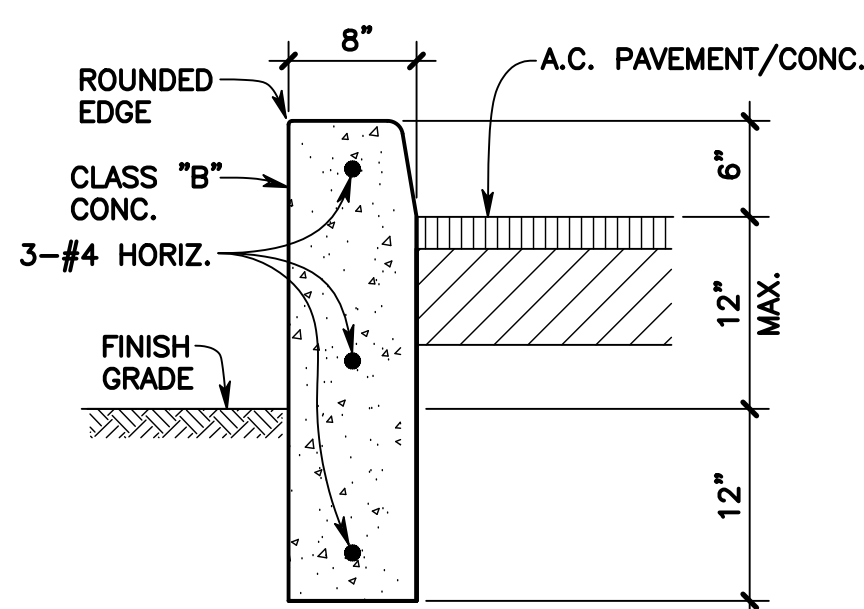
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	STP-3100(016)	2021	61	62



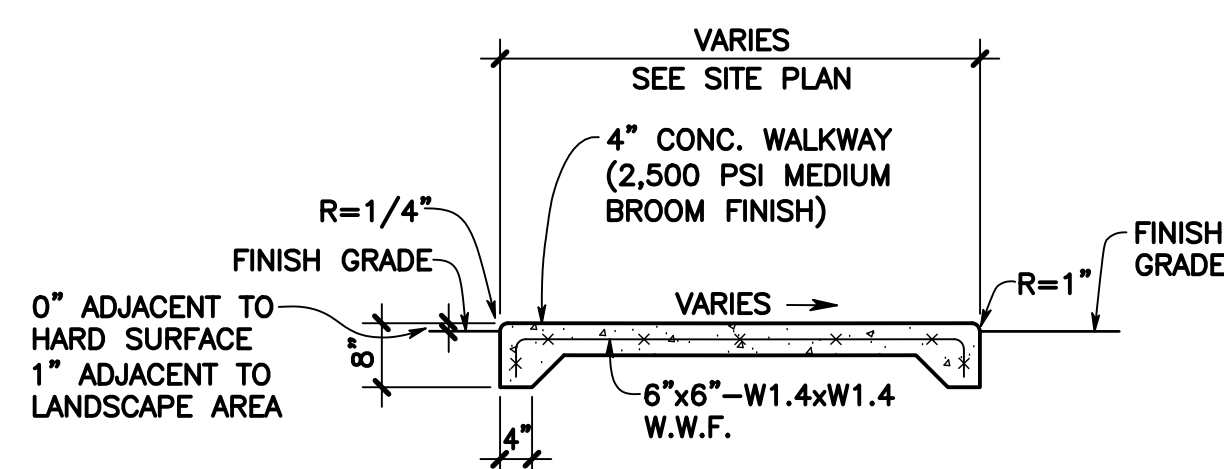
TYPE 2 CONCRETE CURB
SCALE: 1" = 1'-0"



2
C-60

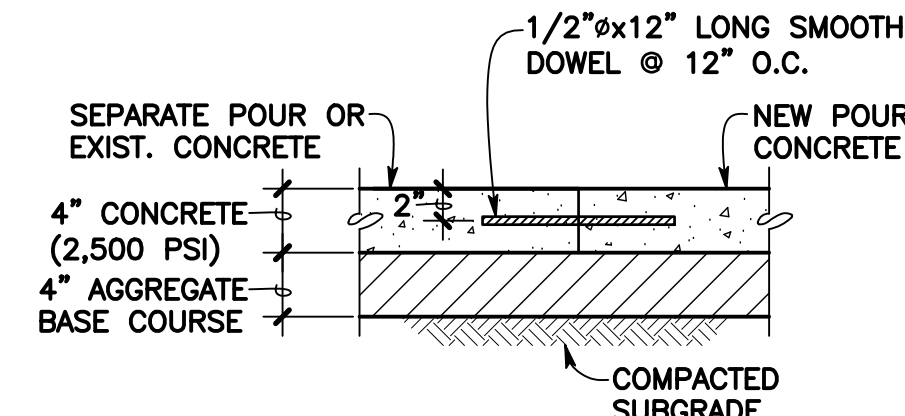


3
C-60



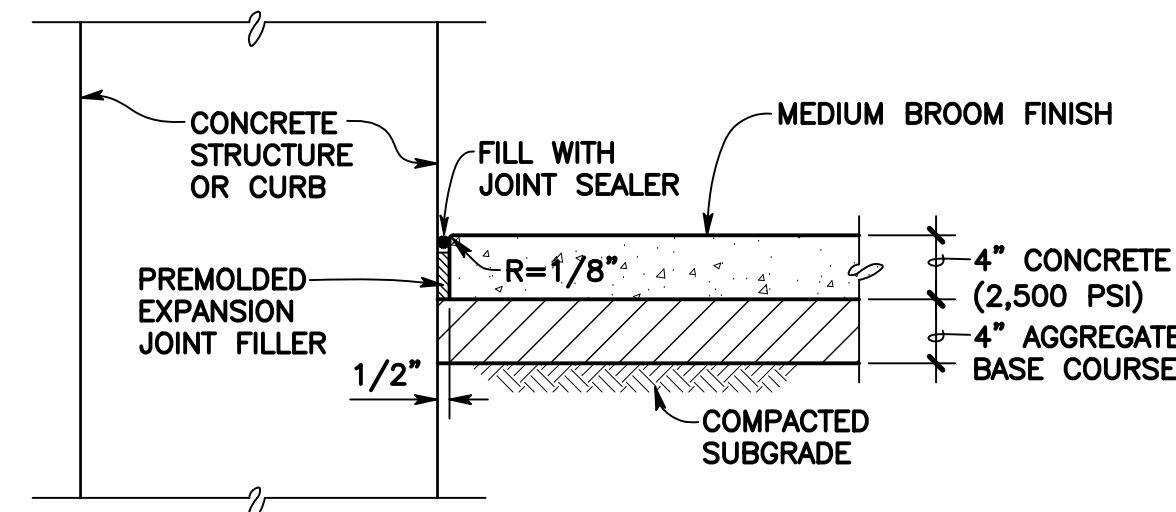
4
C-60

CONC. SIDEWALK DETAIL
SCALE: 1/2" = 1'-0"

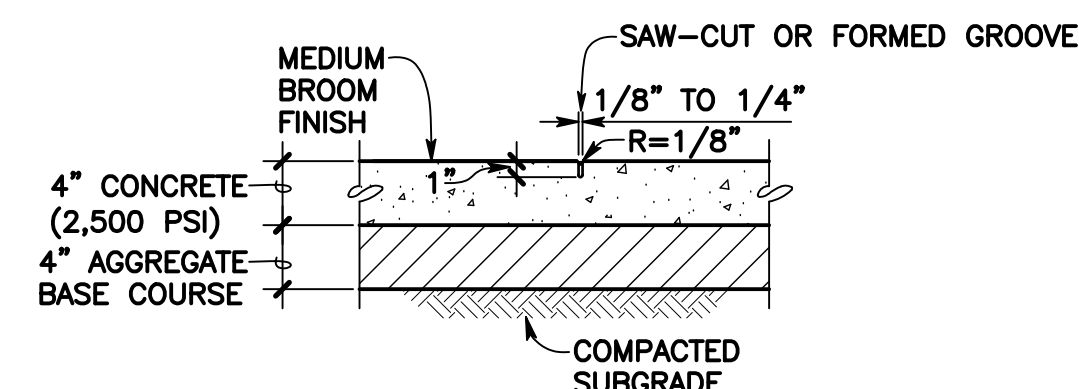


5
C-60

**CONSTRUCTION JOINT
WITH DOWELS** FOR SIDEWALK
SCALE: 1" = 1'-0"

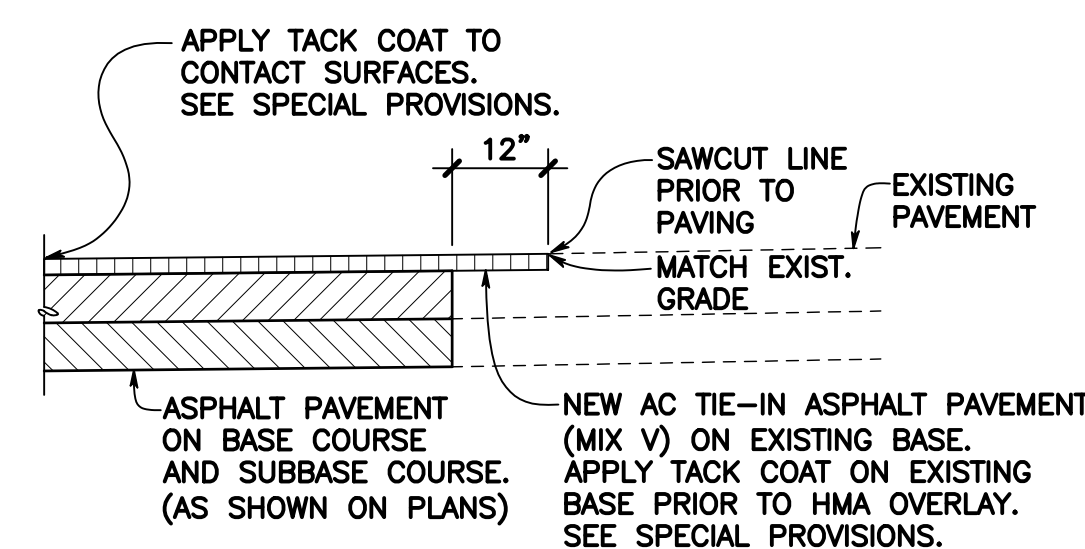


6 **EXPANSION JOINT** FOR SIDEWALK
C-60 SCALE: 1" = 1'-0"

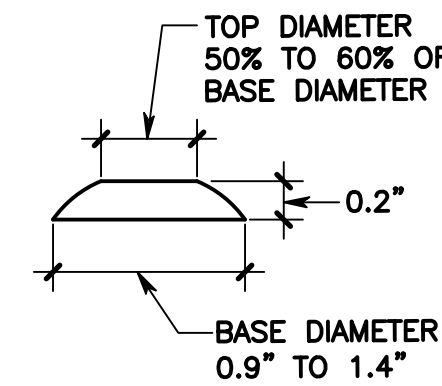


7
C-60

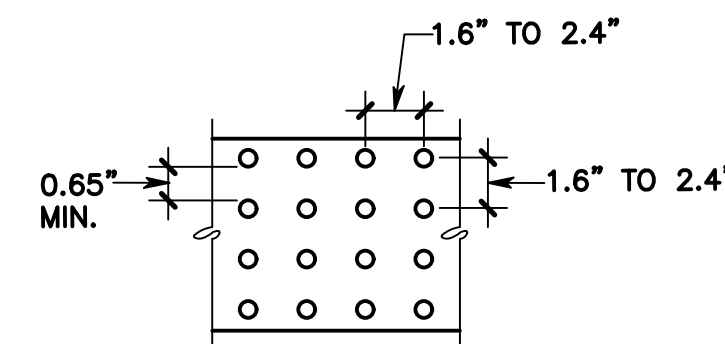
CONTRACTION JOINT FOR SIDEWALK
SCALE: 1" = 1'-0"



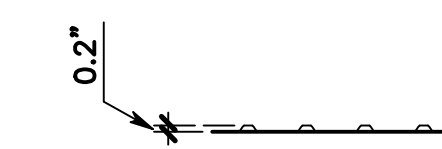
8 ASPHALT PAVING TIE-IN DETAIL
 SCALE: 1" = 1'-0"



DOME SECTION
SECTION OF DOME FROM A DETECTABLE WARNING.
DRAWING SHOWS HEIGHT, TOP AND BOTTOM
DIMENSIONS.



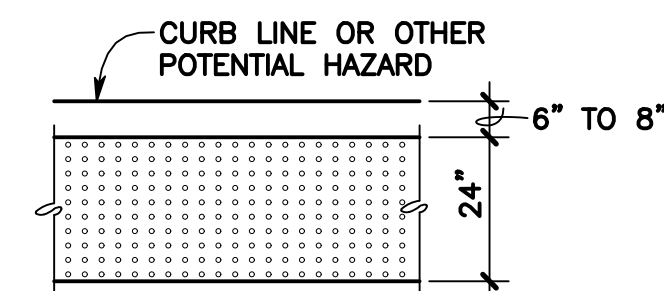
PLAN



SECTION

DOME SPACING

PLAN AND SECTION VIEWS OF DETECTABLE WARNING DOMES AND THEIR RELATIVE SPACING ON THE X AND Y AXIS.



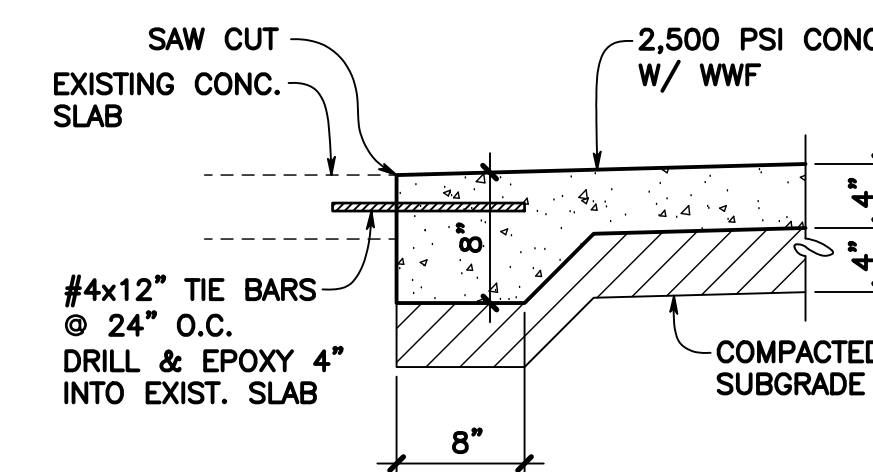
DOME ALIGNMENT

PLAN VIEW OF DETECTABLE WARNING SURFACE SHOWING
DOMES ALIGNED IN ROWS, NOT SKEWED DIAGONALLY.

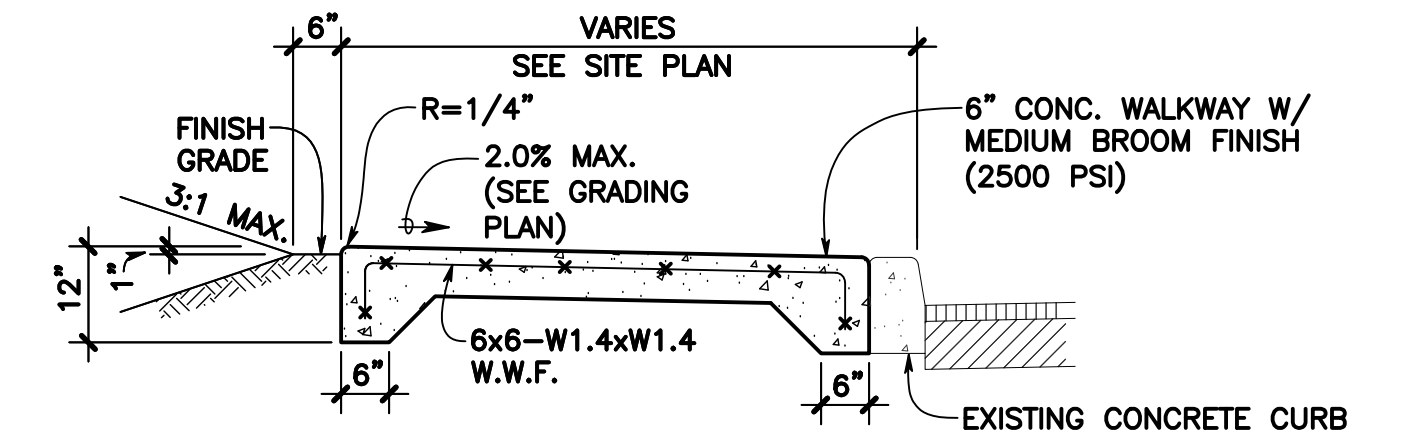
**DETECTABLE WARNING
MAT DETAIL**

9
C-60

SCALE: NONE



10 CONNECTION TO CONCRETE SLAB
C-60 SCALE: 1" = 1'-0"

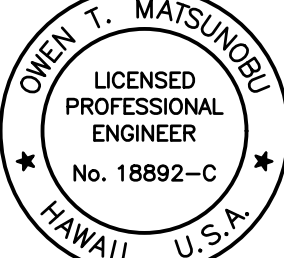


11
C-60

6" CONCRETE SLAB

SCALE: 1/2" = 1'-0"

		SHT. OF _____	
REVISION NO. _____	SYM. _____	SHT. _____ OF _____	DATE _____ APPROVED _____



OWEN T. MATSUNOBU
LICENSED
PROFESSIONAL
ENGINEER
No. 18892-C
★ HAWAII, U.S.A. ★

DEPARTMENT OF PUBLIC WORKS
COUNTY OF MAUI

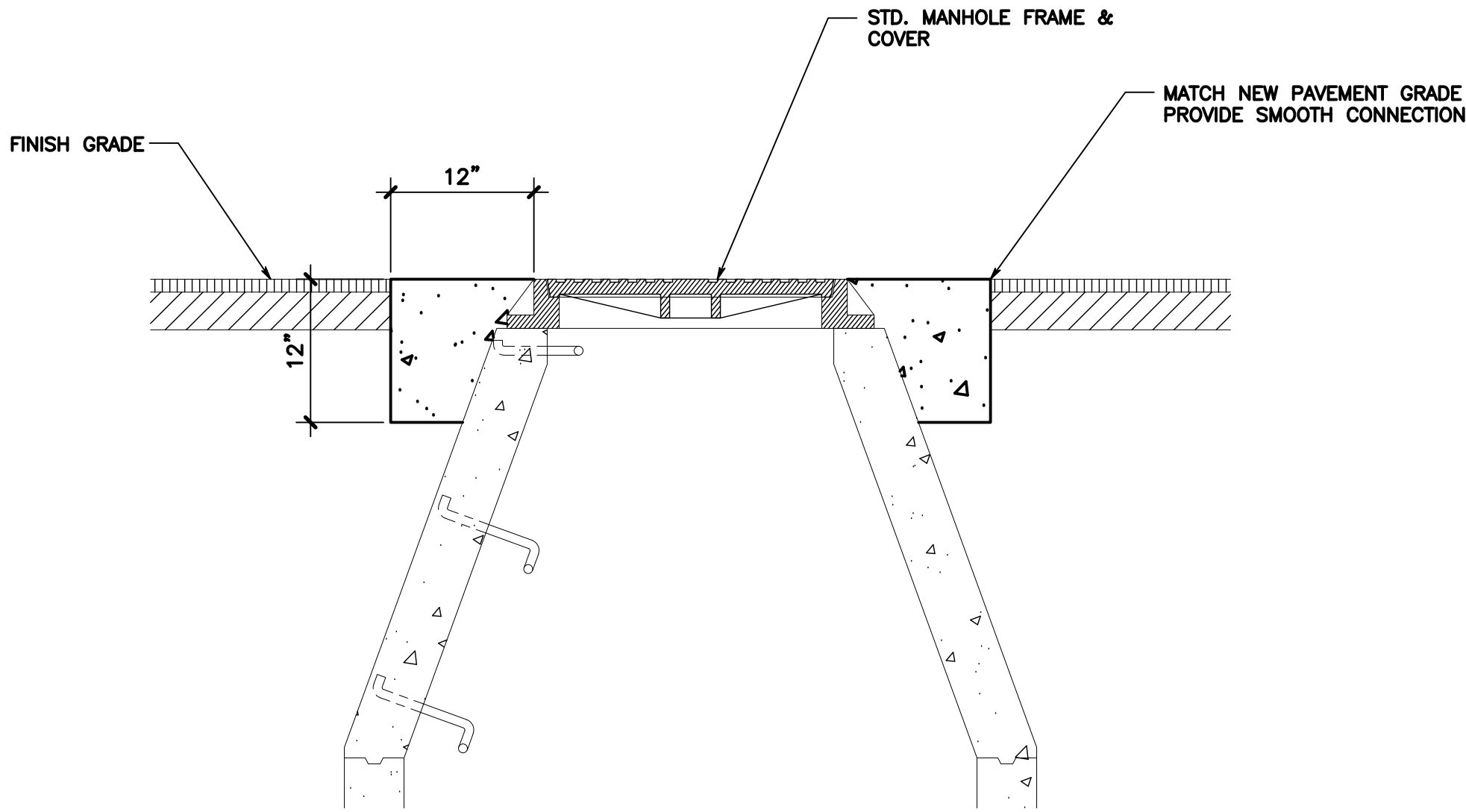
SOUTH KIHAI ROAD
PAVEMENT REHABILITATION
KIHAI, MAUI, HAWAII

MISCELLANEOUS DETAILS 1

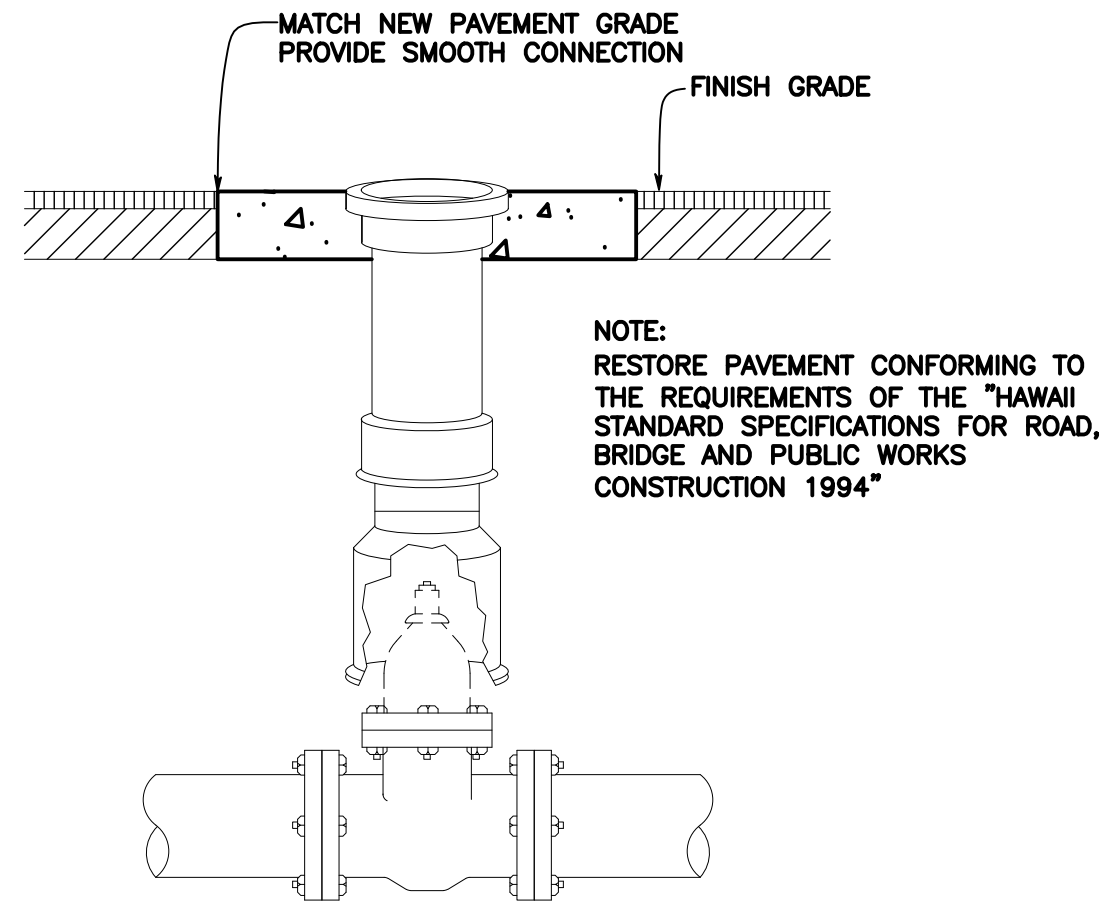
FUKUMOTO ENGINEERING, INC.		JOB NO.	DRAWING NO.
DESIGNED BY: O.M.	CHECKED BY: M.S.	STP-3100(016)	C-60
DRAWN BY: C.C./N.M.	APPROVED BY: M.S.	DATE	SHEET 61
SCALE: AS NOTED		<u>Oct. 2020</u>	OF <u>62</u> SHTS

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION, AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION AS DEFINED IN HAR 16-115-2.

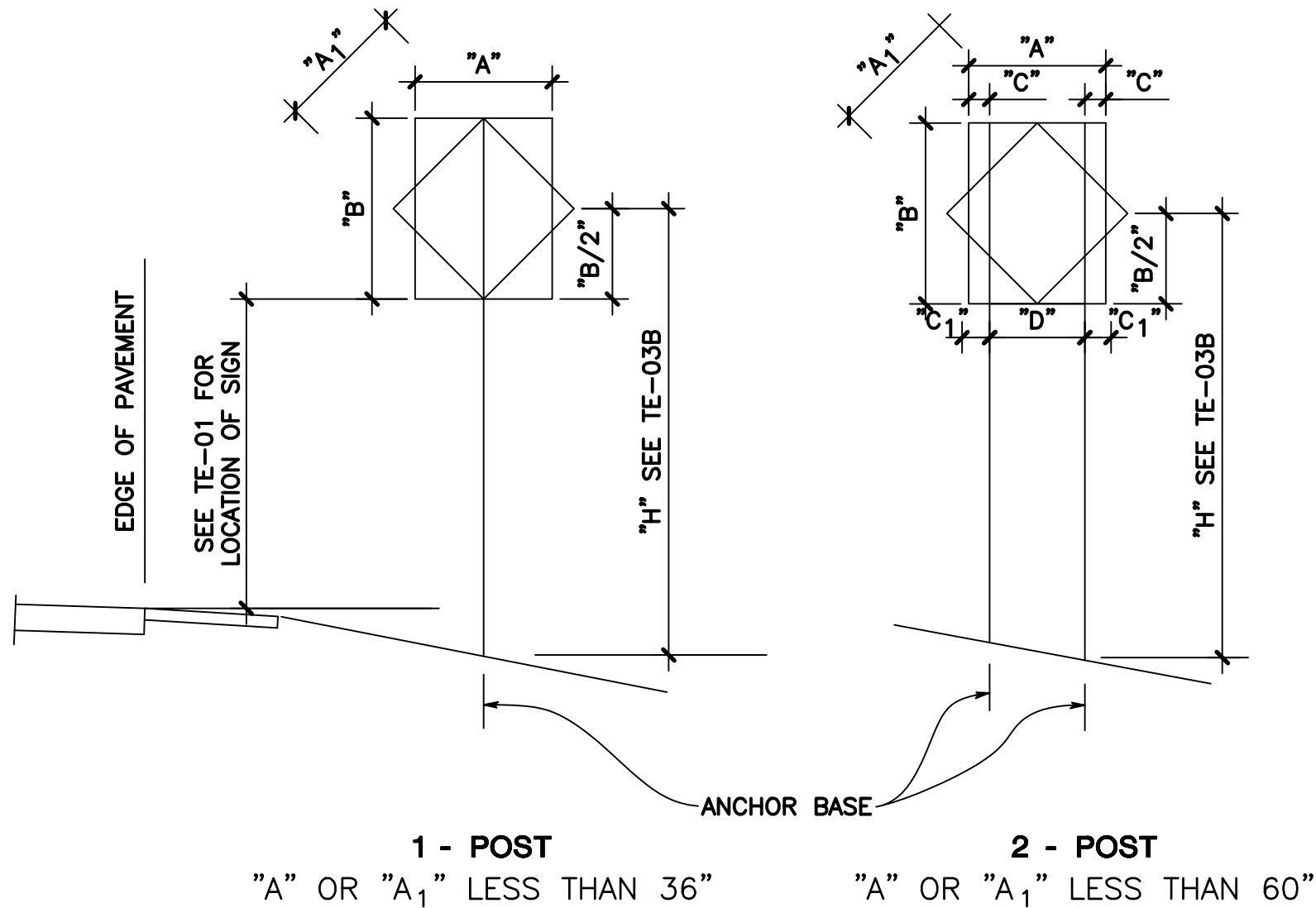
LICENSE EXPIRES: 04/30/2022



1
C-61
CONCRETE COLLAR FOR ADJUSTMENTS OF WATER, SEWER, AND DRAIN MANHOLES
SCALE: 1" = 1'-0"



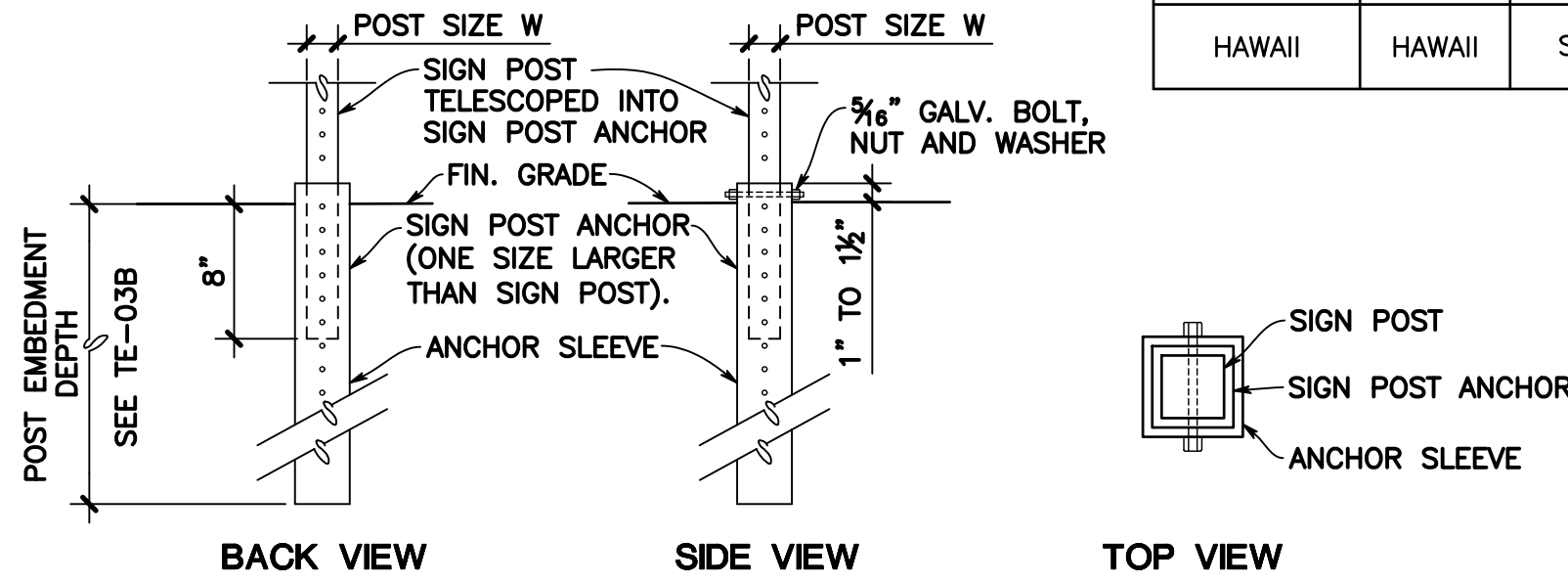
2
C-61
CONCRETE COLLAR FOR ADJUSTMENTS OF WATER VALVES
NOT TO SCALE



"A" OR "A ₁ "	"C"	"C ₁ "
LESS THAN 36"	"6"	—
GREATER THAN 36" AND LESS THAN 48"	"9"	"19"
GREATER THAN 48"	"12"	"24"

NOTE: FRAME STIFFENERS ARE REQUIRED WHEN D IS GREATER THAN 24" SEE GENERAL NOTES.

TYPICAL INSTALLATION

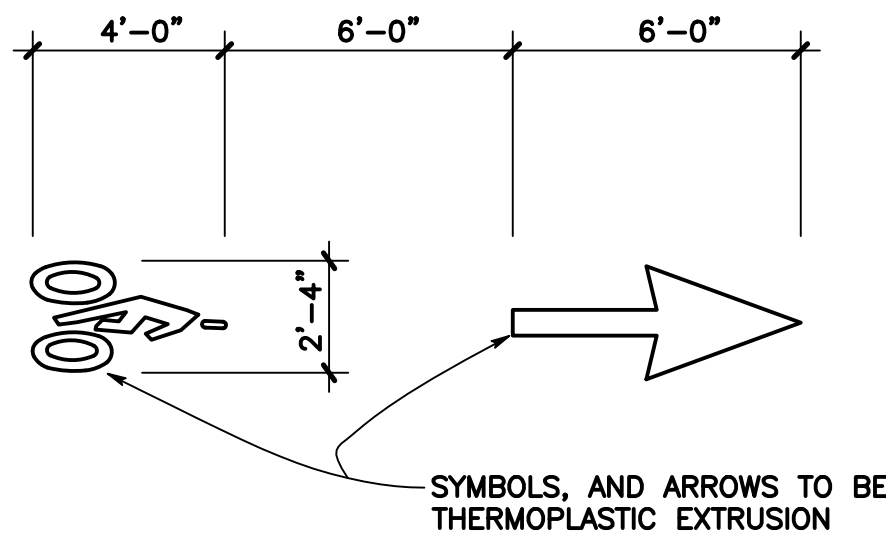


ANCHOR BASE

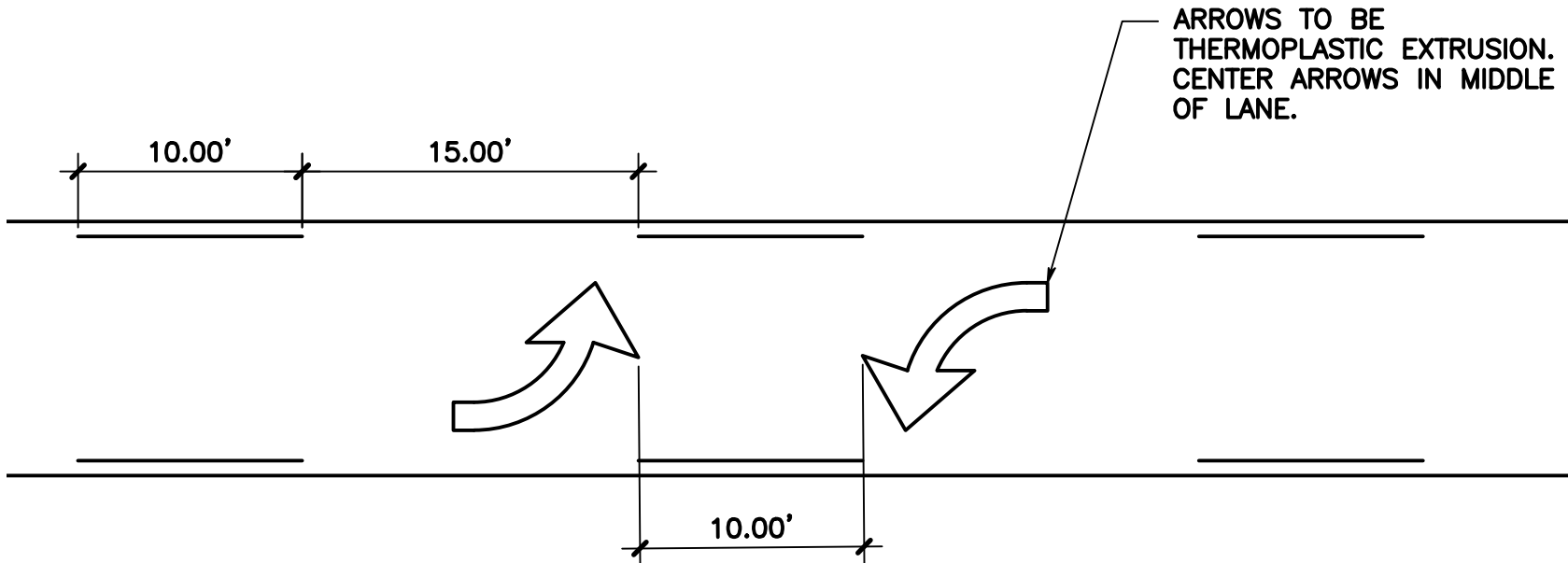
GENERAL NOTES

- DESIGN SPECIFICATIONS**
 - DESIGN SHALL CONFORM W/ THE LATEST AASHTO STANDARD SPECIFICATIONS FOR THE STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES & TRAFFIC SIGNALS AND ITS INTERIM SUPPLEMENTS AND MODIFICATIONS BY THE HIGHWAYS DIVISION, DEPARTMENT OF TRANSPORTATION STATE OF HAWAII.
 - LATEST HDOT MEMORANDUM WITH SUBJECT TITLE "DESIGN CRITERIA FOR BRIDGES AND STRUCTURES."
- LOADS**
 - BASIC WIND SPEED: 105 MPH.
 - RECURRENCE INTERVAL OF 10 YEARS.
- MATERIALS**
 - POST SHALL CONFORM TO THE STANDARD SPECIFICATIONS.
 - ALL CONNECTION BOLTS SHALL BE AASHTO M314-105 BOLT.
 - LAP SPLICE NUTS AND BOLTS SHALL BE M180, WITH AN ULTIMATE TENSILE STRENGTH OF 180 KSI, MIN.
 - ALUMINUM MEMBERS AND SURFACES IN CONTACT WITH STRUCTURAL STEEL SHALL BE ISOLATED WITH NEOPRENE MATERIAL AS APPROVED BY THE ENGINEER.
- GENERAL**
 - SEE GENERAL NOTES ON B-01, TE-01, AND TE-03B FOR ADDITIONAL INFORMATION.
 - ALL POSTS SHALL BE 12 GAGE UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE PLANS.
 - SQUARE TUBE POSTS SHALL BE PERFORATED WITH 7/16" Ø HOLES, 1" O.C., 4 SIDES, ALONG ENTIRE LENGTH OF POST.
 - ALL ACCESSORIES, FITTINGS AND STIFFENER DETAILS (AS REQUIRED) SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL 20 DAYS PRIOR TO INSTALLATION.
 - ALTERNATE DESIGNS IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS SHALL USE THE SERVICE LOAD DESIGN METHOD AND SHALL BE STAMPED AND SUBMITTED TO THE ENGINEER FOR APPROVAL.
 - ALL SIGN SUPPORT POSTS SHALL BE OUTSIDE OF THE CLEAR ZONE OR SHIELDED BY AN APPROPRIATE TRAFFIC BARRIER SYSTEM. THE TRAFFIC BARRIER SYSTEM SHALL BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL.
 - THE CONTRACTOR SHALL USE TEMPLATES WITH INSTALLING THE ANCHOR BOLTS. ANCHOR BOLTS SHALL BE VERTICAL.
 - EXCAVATION AND BACKFILL SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIGN FOUNDATION.

3
C-61
GALVANIZED SQUARE TUBE SIGN POST MOUNTING
NOT TO SCALE



4
C-61
BIKE LANE MARKING DETAIL
SCALE: 1/4" = 1'-0"



5
C-61
TWO-WAY LEFT-TURN LANE STRIPE
SCALE: 1/8" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
DEPARTMENT OF PUBLIC WORKS COUNTY OF MAUI					
SOUTH KIHAI ROAD PAVEMENT REHABILITATION KIHAI, MAUI, HAWAII					
MISCELLANEOUS DETAILS 2					
FUKUMOTO ENGINEERING, INC.			JOB NO.	DRAWING NO.	
DESIGNED BY: O.M.			CHECKED BY: M.S.	STP-3100(016) C-61	
DRAWN BY: C.C./N.M.			APPROVED BY: M.S.	DATE OCT. 2020	SHEET 62 OF 62 SHTS
SCALE: AS NOTED					
LICENSE EXPIRES: 04/30/2022					