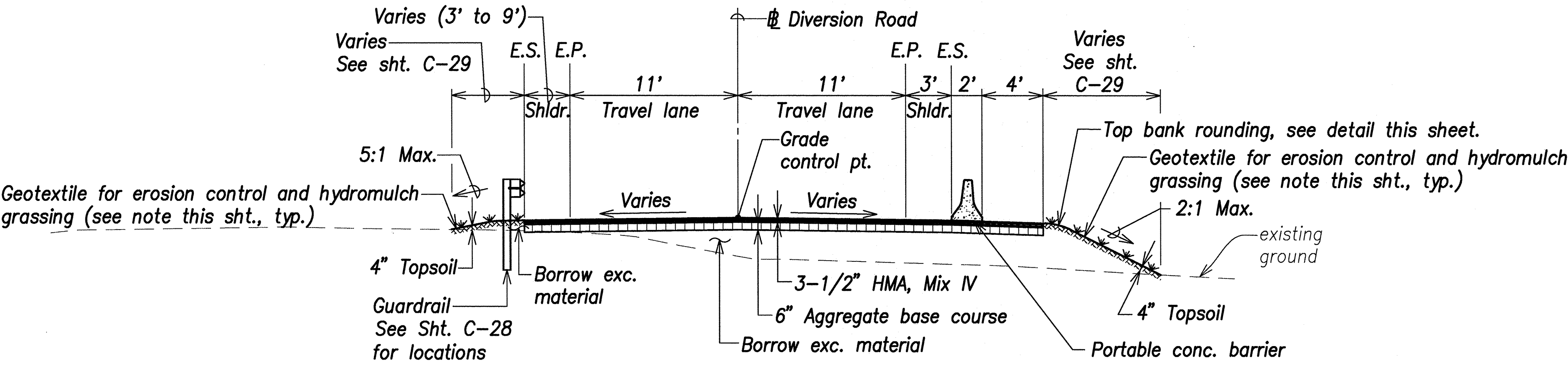
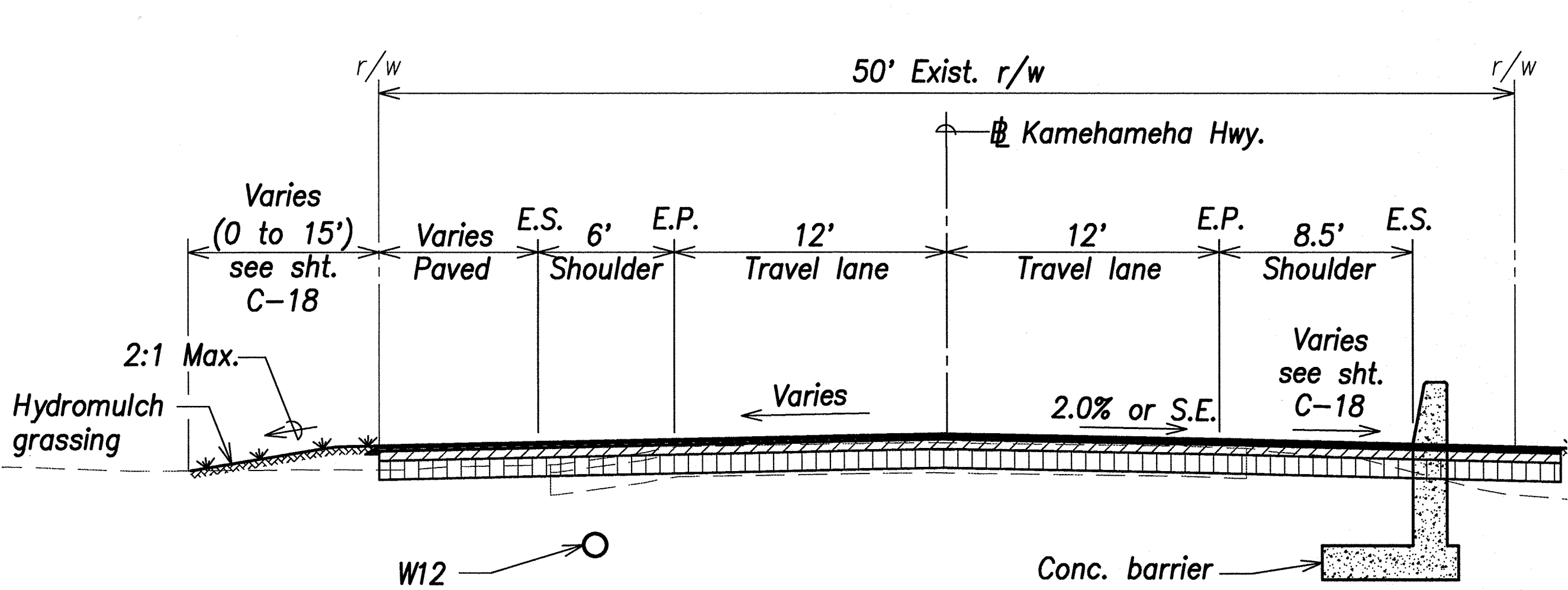


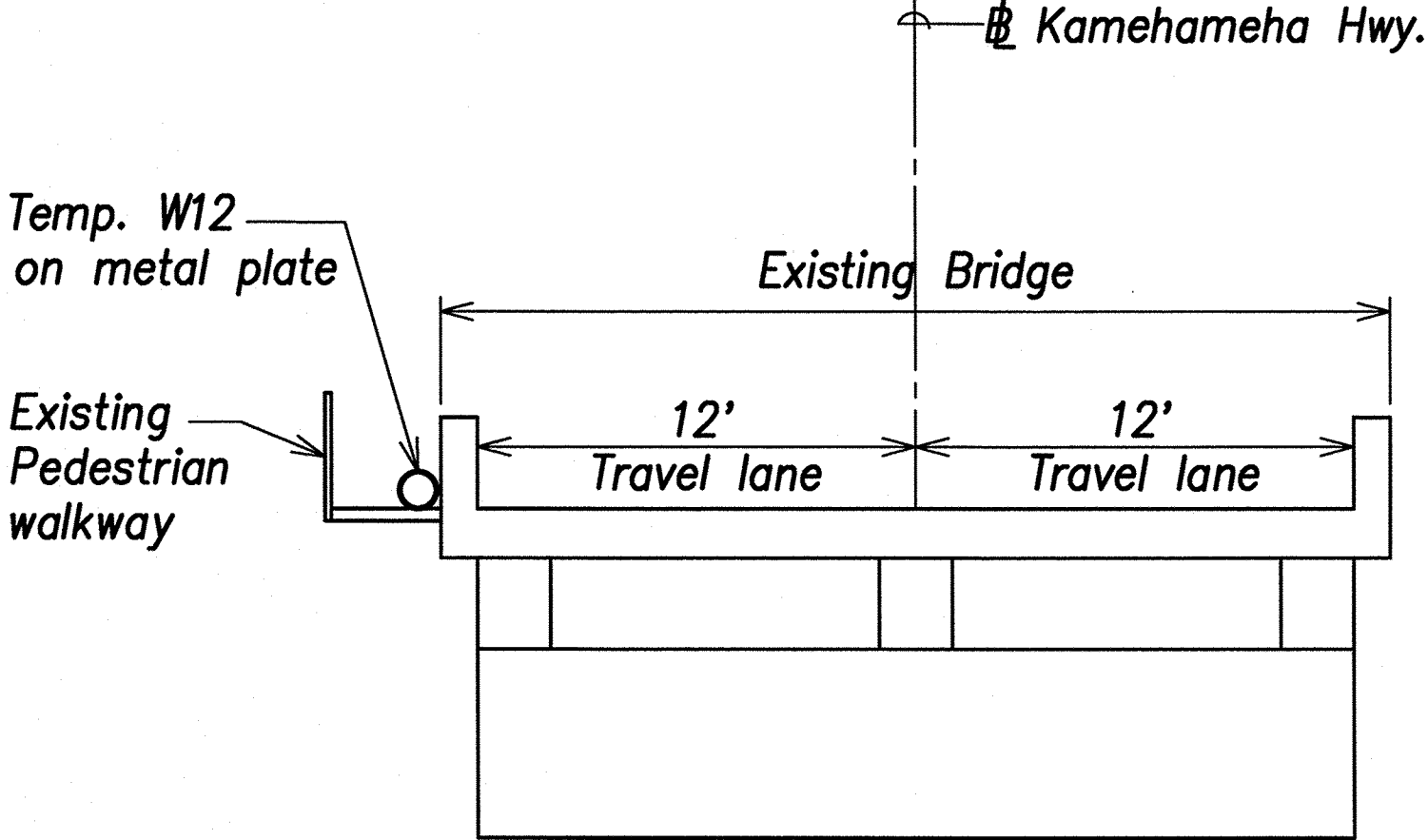
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-083-1(48)	2021	27	161



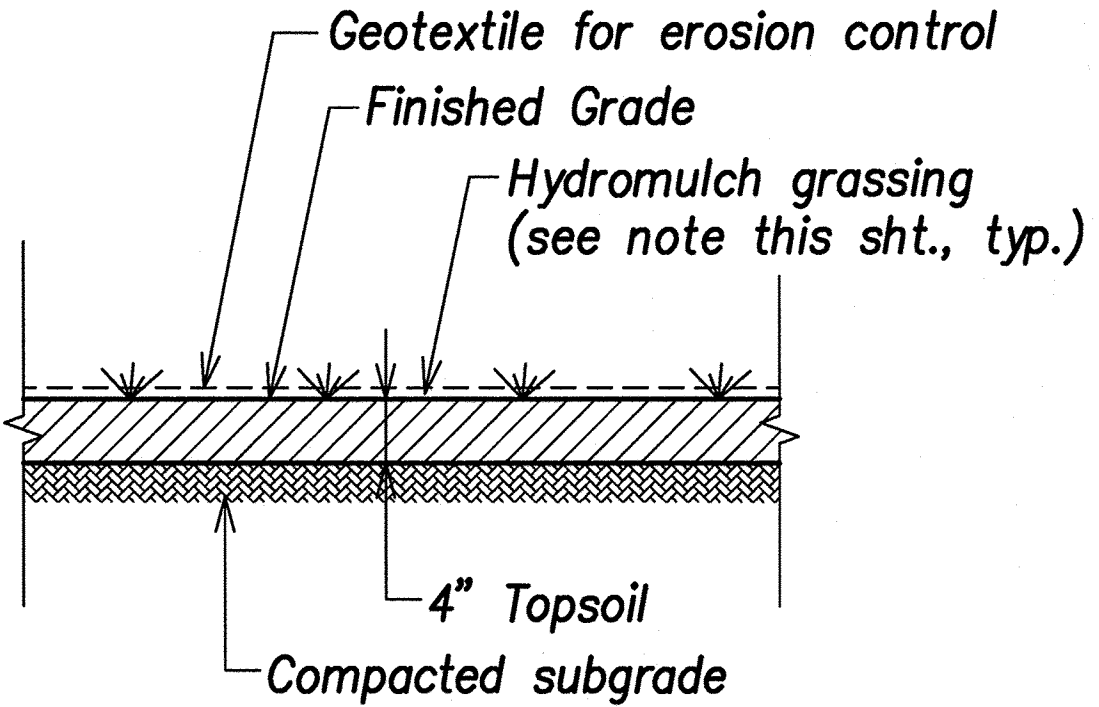
TYPICAL SECTION – (Diversion Rd. Sta. 0+34.41 to Diversion Rd. Sta. 0+60)
Scale: 1"=5'



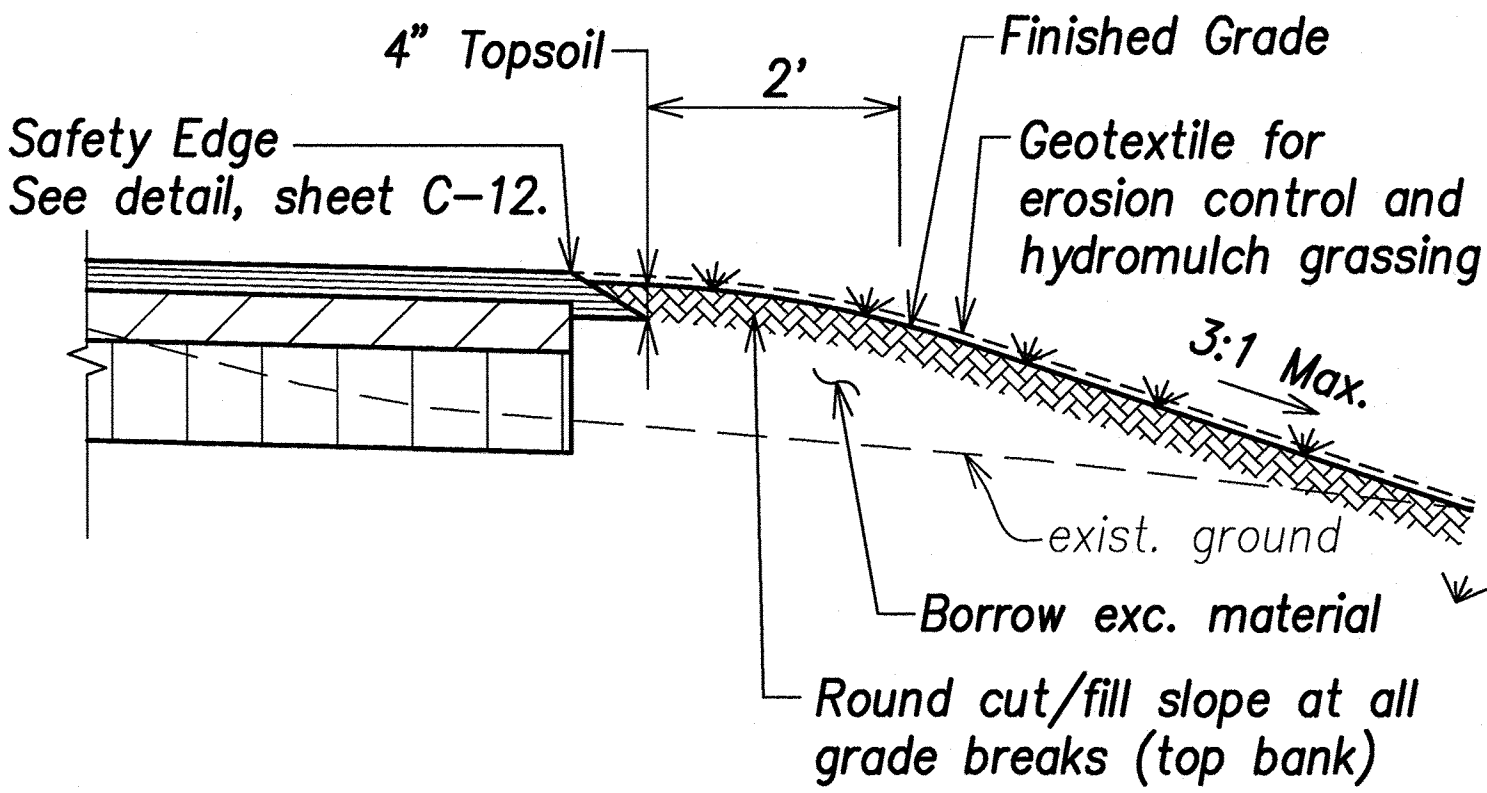
TYPICAL SECTION – Temporary 12" waterline (Kam. Hwy Sta. 1246+96 – 1247+50)
Scale: 1"=5'



TYPICAL SECTION – Temporary 12" waterline on Pedestrian walkway
Scale: 1"=5'



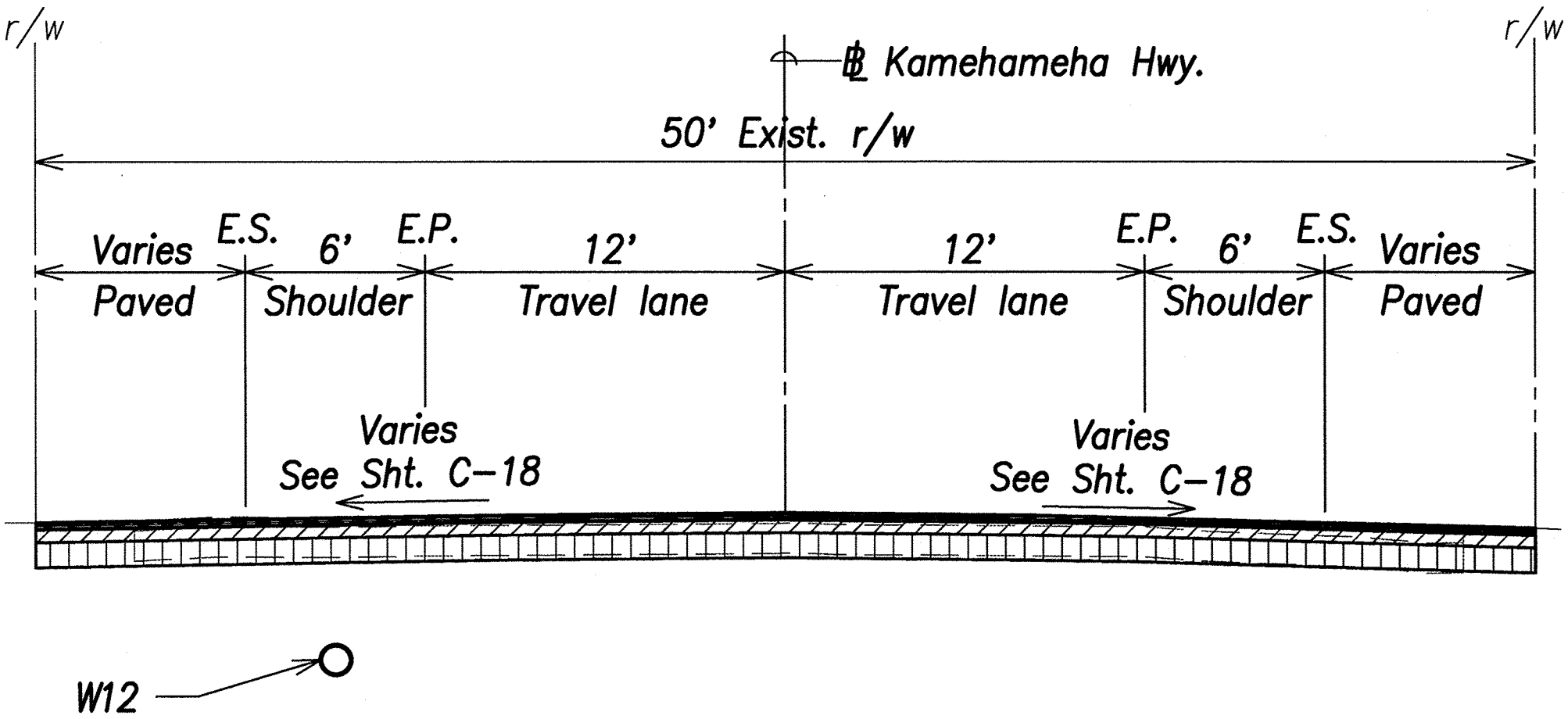
GEOTEXTILE FOR EROSION CONTROL
Not to Scale



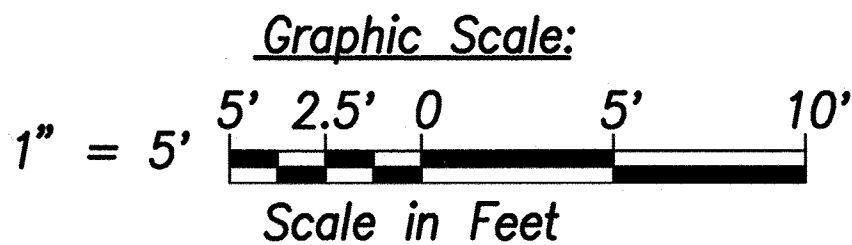
TYPICAL TOP BANK ROUNDING
Not to Scale

APPROVED:	MAY 24 2021
Manager and Chief Engineer, BWS	DATE
(for work affecting BWS facilities)	
State R/W & BWS easements only)	

- Notes:
- The Contractor shall photo document the existing landscaping in all adjacent residential lots affected by the project and submit to the engineer. Upon completion of major work items, the Contractor shall restore landscaping back to existing condition or better.
 - Hydromulch Grassing. The Contractor shall broadcast sprigs of seashore paspalum at 10 bushels per 1,000 SF capped with hydromulch at 30 lbs per 1,000 SF.
 - The Contractor shall secure temporary waterline as required to prevent movement of waterline. All costs related to securing of water line shall be considered incidental to Temporary Water Systems.
 - Contractor shall be responsible for protecting & maintaining temporary waterline. Any repairs needed shall be coordinated with BWS personnel. Contractor shall submit shop drawings. All work shall be considered incidental to the various items of work.



TYPICAL SECTION – Temporary 12" waterline (Kam. Hwy Sta. 1248+40 – 1249+15)
Scale: 1"=5'



DESIGNED BY	DATE
DRAWN BY	REV
CHECKED BY	TC
NOTED BY	QC
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	No.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. "CONSTRUCTION" IS DEFINED IN CHAPTER 16-115, HAWAII ADMINISTRATIVE RULES, ENTITLED "PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS".

Walter G. C. Giorgi
SIGNATURE
R. M. TOWILL CORPORATION

4/30/22
LIC. EXPIRATION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DIVERSION ROAD

TYPICAL SECTIONS – 1

Kamehameha Highway

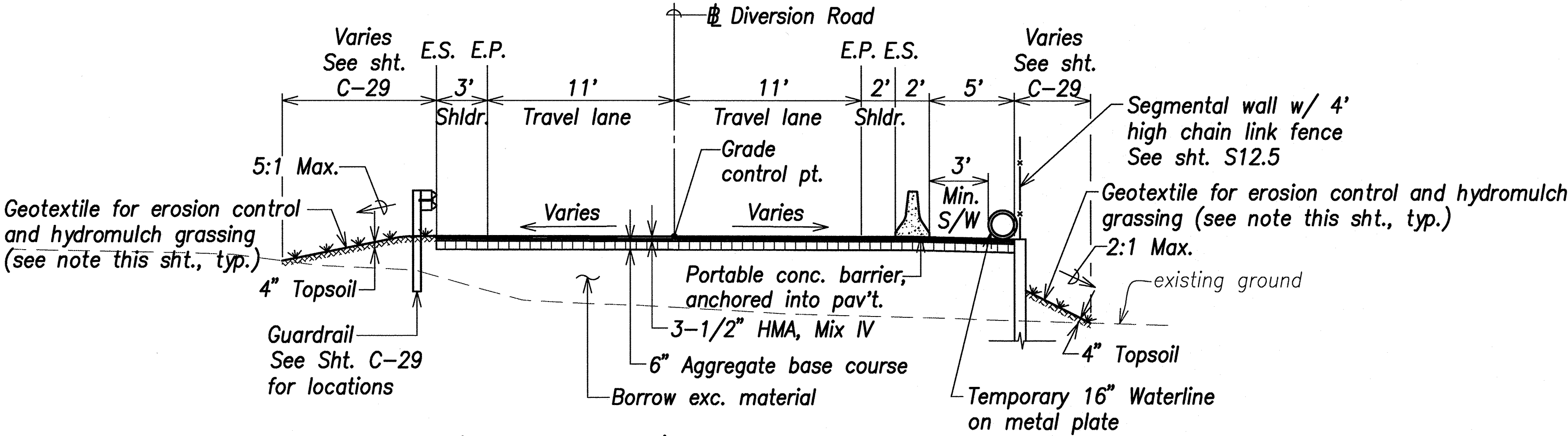
Kaipapau Stream Bridge Replacement

Federal Aid Project No. BR-083-1(48)

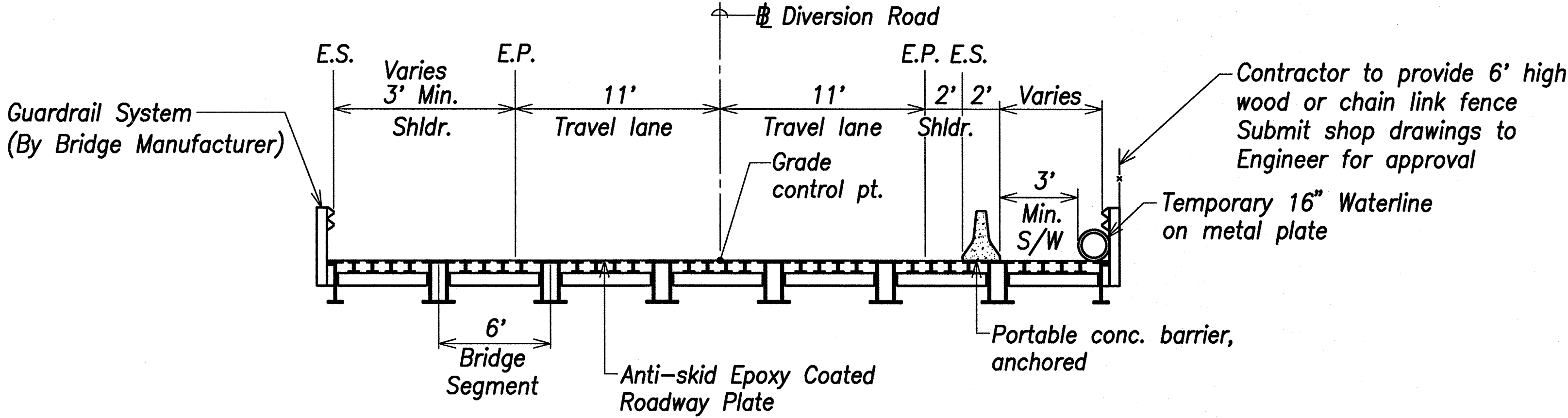
Scale: As Noted Date: February 2021

SHEET No. C-25 OF SHEETS

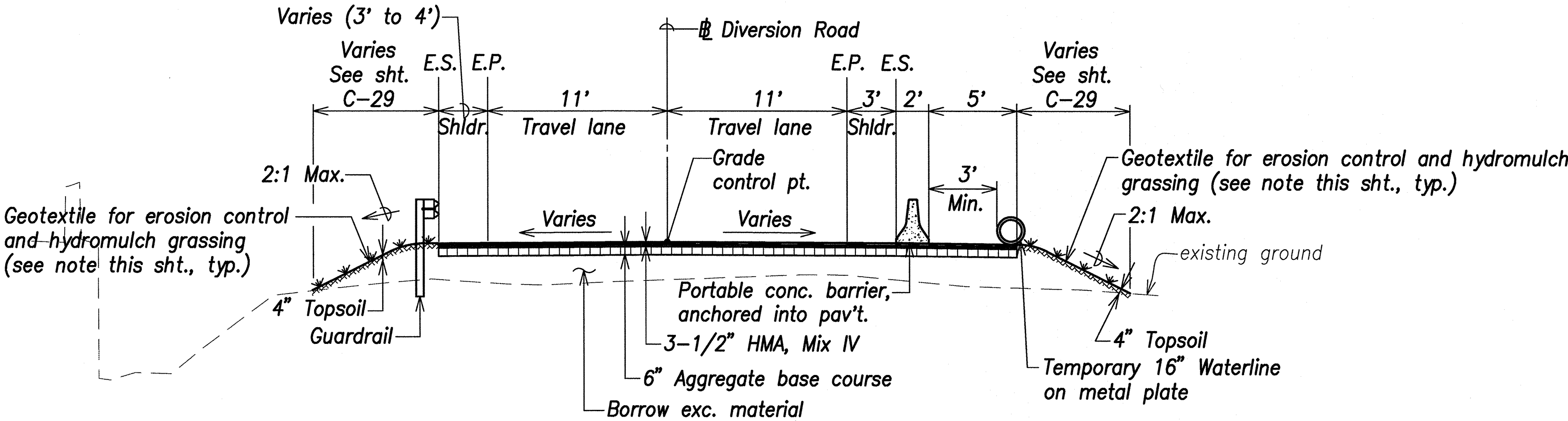
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-083-1(48)	2021	28	161



TYPICAL SECTION – (Diversion Rd. Sta. 0+60 to Temporary Bridge Abutment-Kaneohe)
Scale: 1"=5'



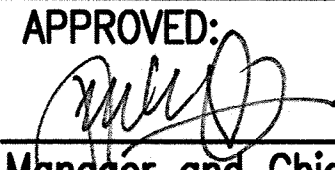
TYPICAL SECTION – (Diversion Rd. Temporary Bridge)
Scale: 1"=5'

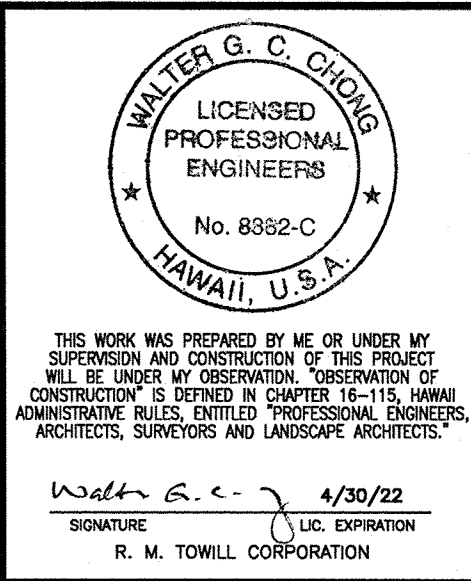


TYPICAL SECTION – (Temporary Bridge Abutment-Kahuku to Diversion Rd. Sta. 2+66.27)
Scale: 1"=5'

Notes:

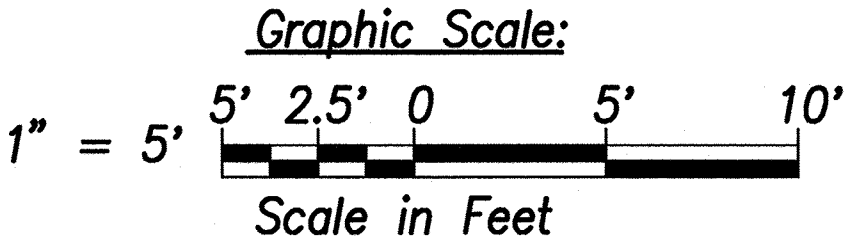
1. The Contractor shall photo document the existing landscaping in all adjacent residential lots affected by the project and submit to the engineer. Upon completion of major work items, the Contractor shall restore landscaping back to existing condition or better.
2. Hydromulch Grassing. The Contractor shall broadcast sprigs of seashore paspalum at 10 bushels per 1,000 SF capped with hydromulch at 30 lbs per 1,000 SF.
3. The Contractor shall secure temporary waterline as required to prevent movement of waterline. All costs related to securing of water line shall be considered incidental to Temporary Water Systems.
4. Contractor shall be responsible for protecting & maintaining temporary waterline. Any repairs needed shall be coordinated with BWS personnel. Contractor shall submit shop drawings. All work shall be considered incidental to the various items of work.

APPROVED:  MAY 24 2021
Mander and Chief Engineer, BWS (for work affecting BWS facilities)
State R/W & BWS easements only



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DIVERSION ROAD
TYPICAL SECTIONS – 2
Kamehameha Highway
Kaipapau Stream Bridge Replacement
Federal Aid Project No. BR-083-1(48)

Scale: As Noted Date: February 2021
SHEET No. C-26 OF SHEETS



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
REVISIONS	
1	
2	
3	
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