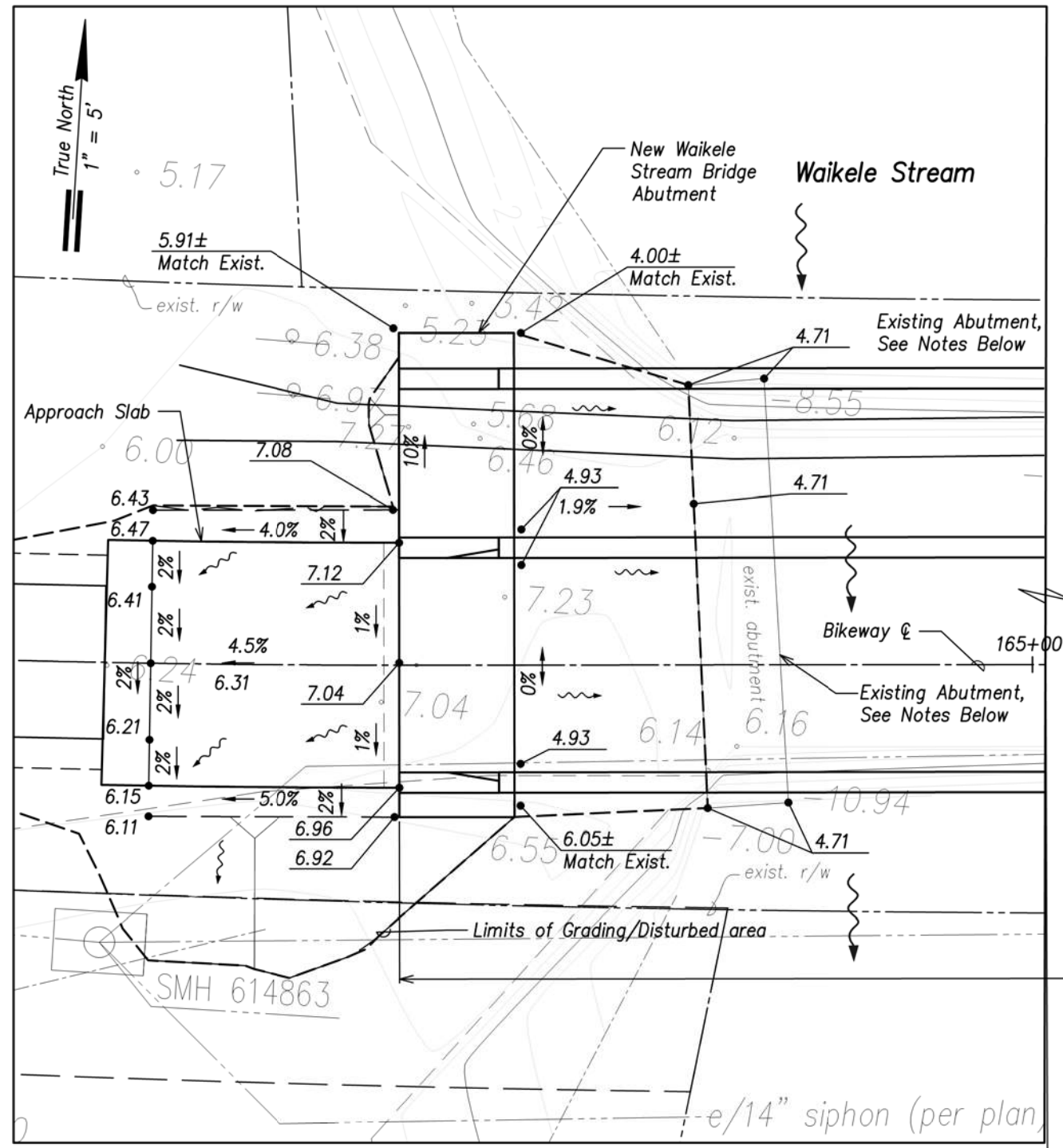


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-BW-0300(8)	2019	75	171

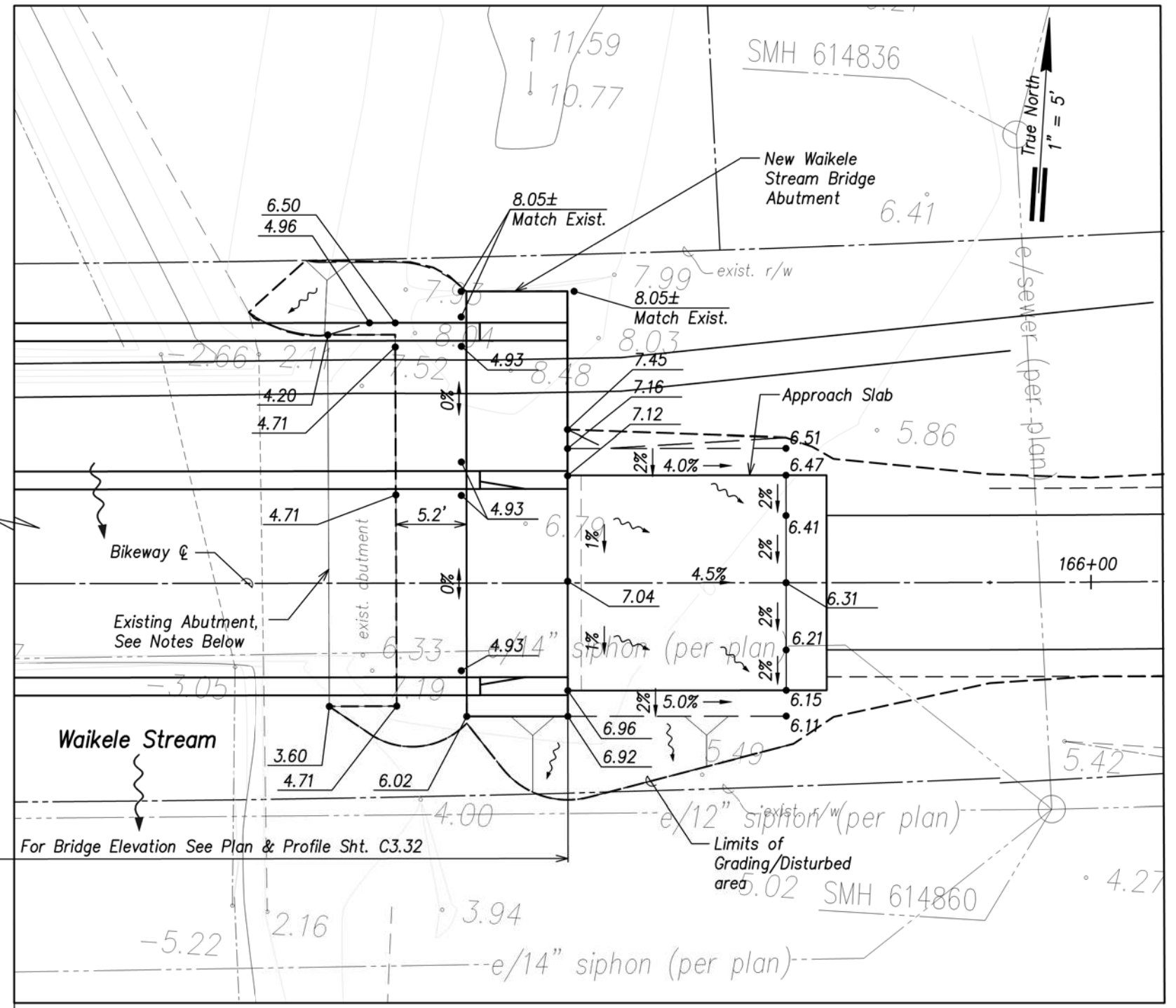


West Approach
Scale: 1" = 5'

LEGEND:

- 40.70 Spot Finish Elevation
- 6.41 Spot Finish Elevation
- Slope
- Flow
- Limits of grading/Disturbance

- Notes:
- The existing concrete abutment tops shall be partially removed (approximately 18" below slope finish grade).
 - No debris shall be allowed to fall/remains in the stream.
 - See structural dwg. sht. S1.1



East Approach
Scale: 1" = 5'

APPROVED BY

Chief, Civil Engineering Branch, DPP Date

1" = 5' 5' 0 5' 10'

Scale in Feet



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

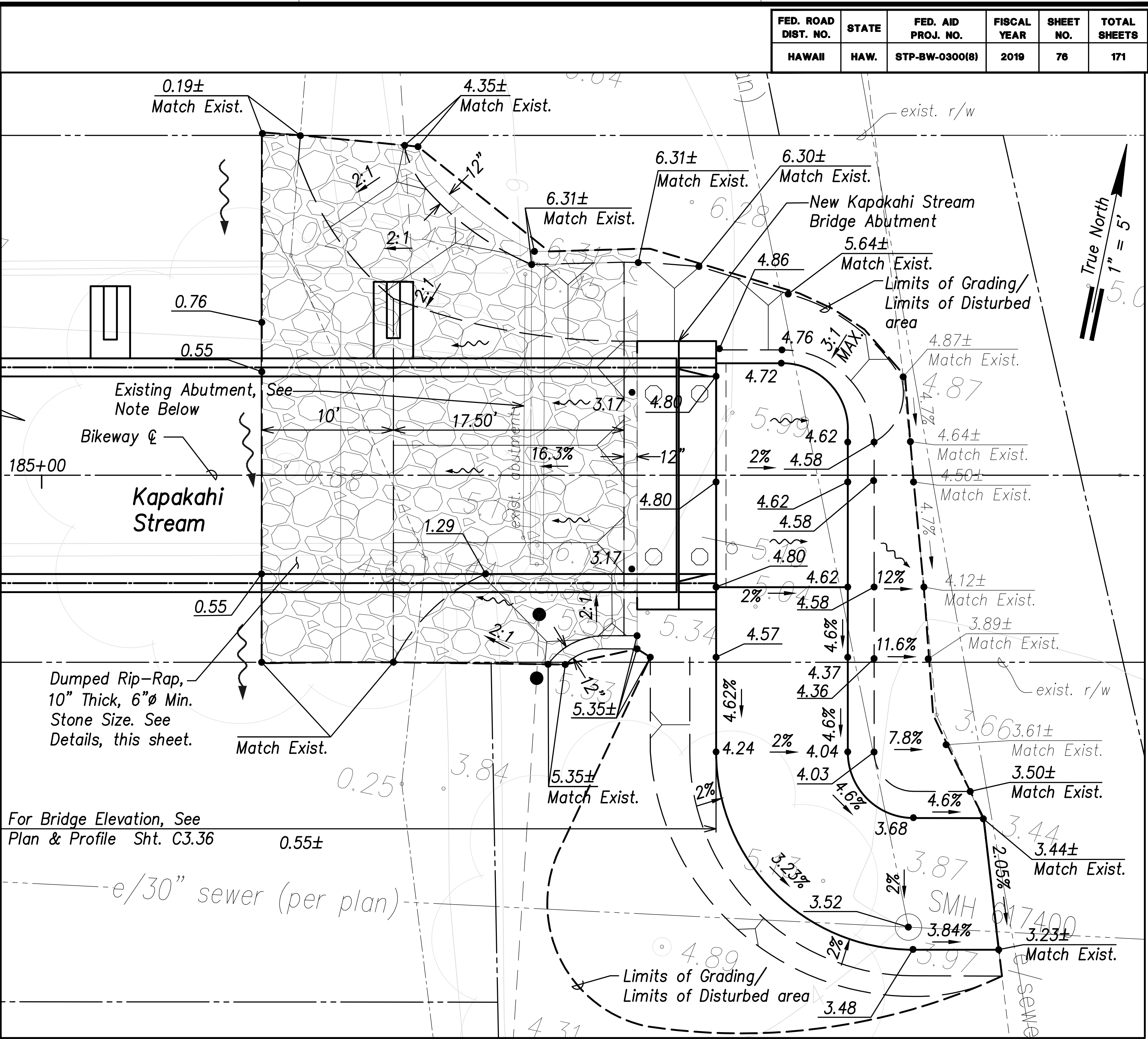
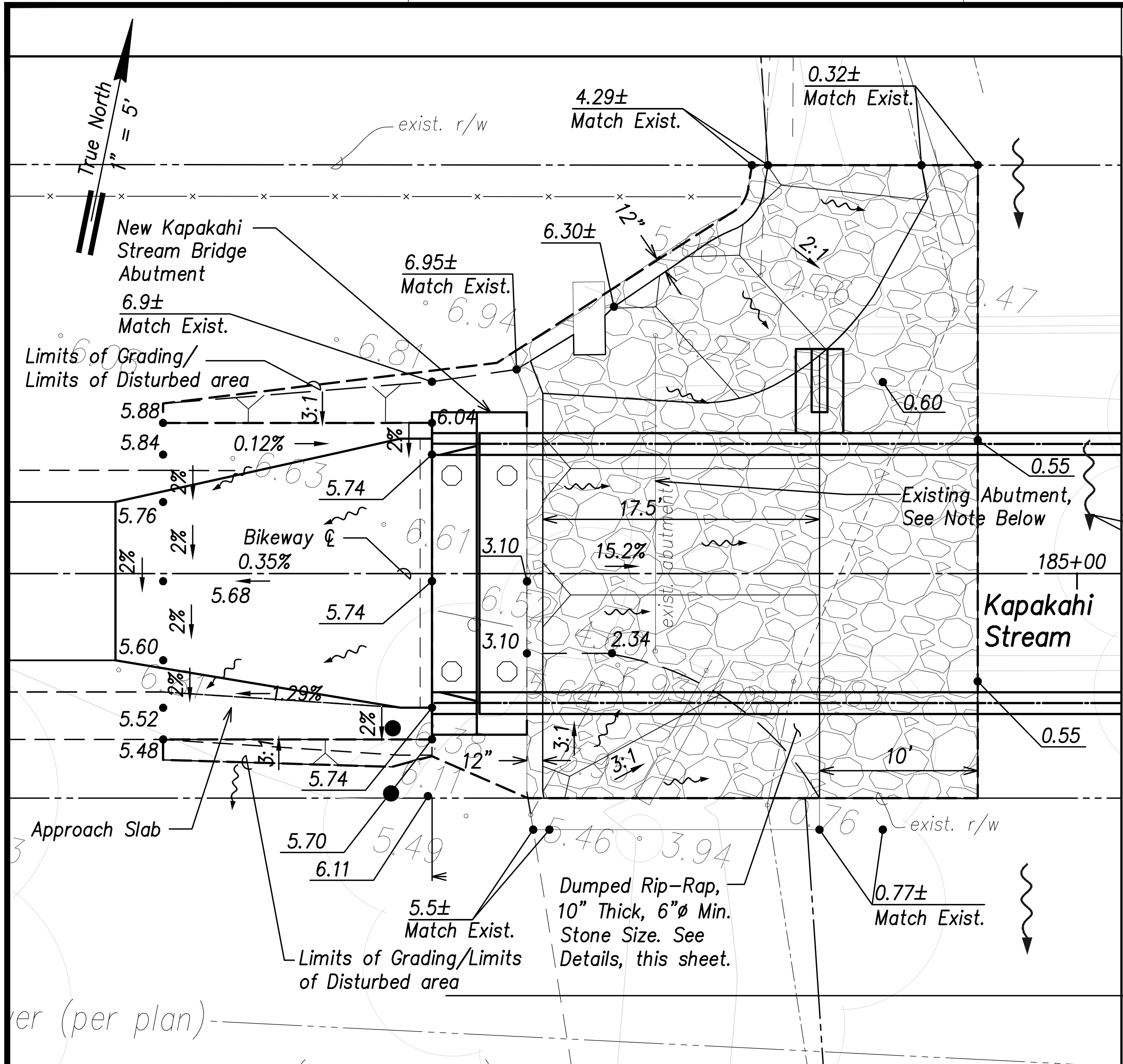
WAIKELE STREAM BRIDGE
GRADING PLAN
LEEWARD BIKEWAY

Philippine Sea Rd. to Waipahu Depot Street
Fed. Aid Proj. No. STP-BW-0300(8)

Date: July 1, 2019

SHEET No. C4.1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-BW-0300(8)	2019	76	171

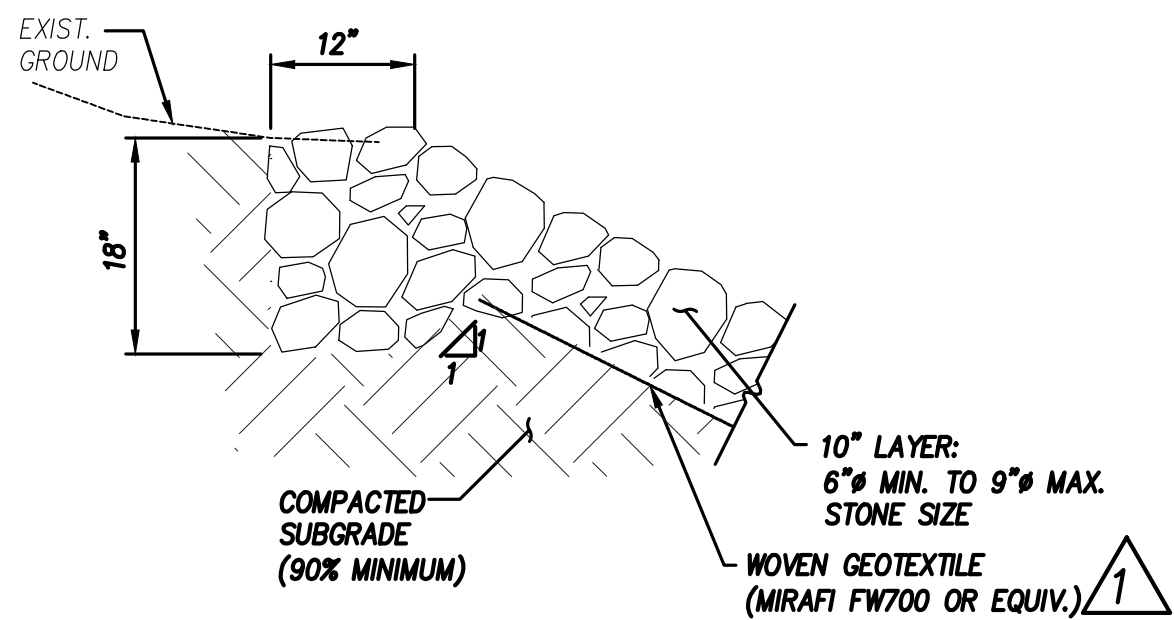


LEGEND:

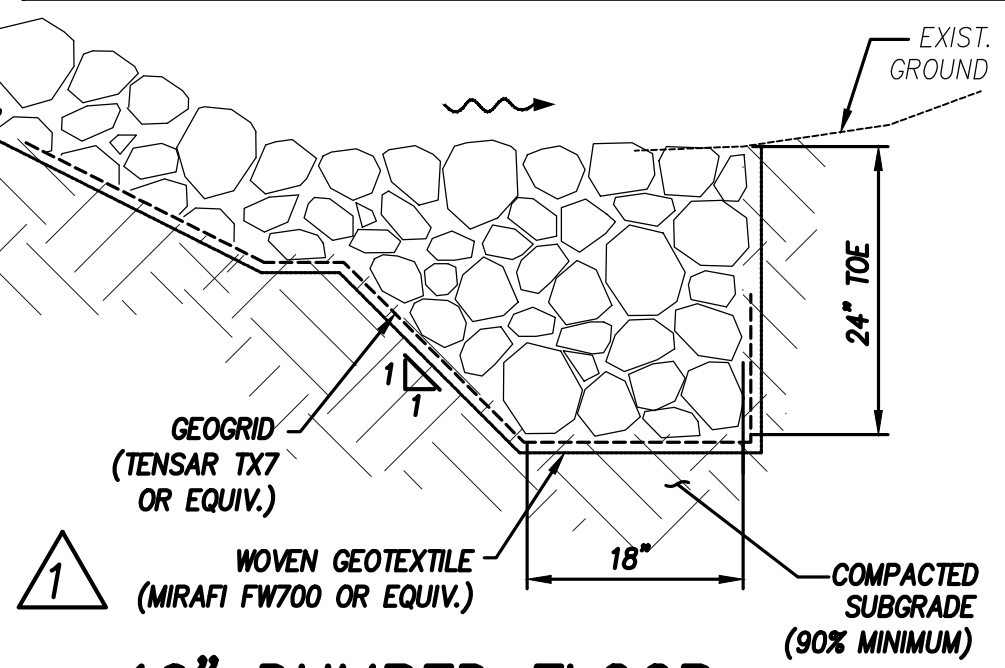
- 40.70 Spot Finish Elevation
- 6.41 Spot Finish Elevation
- Slope
- Flow
- Limits of grading/Disturbance

- Notes:
- The existing concrete abutment tops (including piles) shall be completely removed down to the stream bed.
 - No debris shall be allowed to fall/remain in the stream.
 - See structural dwg. sht. S6.1

West Approach
Scale: 1" = 5'



10" DUMPED RIPRAP WALL
SCALE: 3/4"=1'-0"



10" DUMPED FLOOR RIPRAP TOE
SCALE: 3/4"=1'-0"

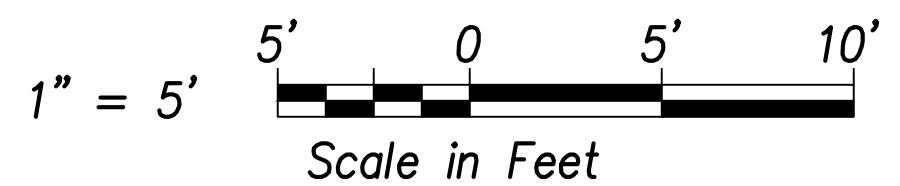
APPROVED BY

Chief, Civil Engineering Branch, DPP
(For Grading Purposes only)

Date



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. OBSERVATION OF CONSTRUCTION IS DEFINED IN CHAPTER 16-15, HAWAII ADMINISTRATIVE RULES, ENTITLED "PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS."



11/1/19	Rev. details
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION KAPAKAHI STREAM BRIDGE GRADING PLAN LEEWARD BIKEWAY Philippine Sea Rd. to Waipahu Depot Street Fed. Aid Proj. No. STP-BW-0300(8)	
Date: Sept. 1, 2019	
SHEET No. C4.2 OF 2 SHEETS	