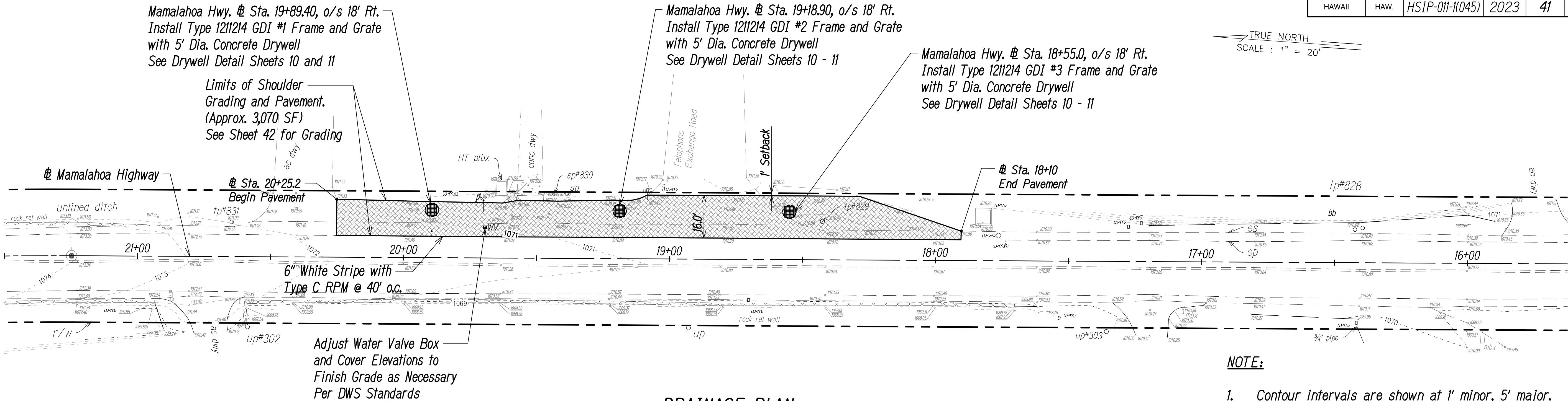
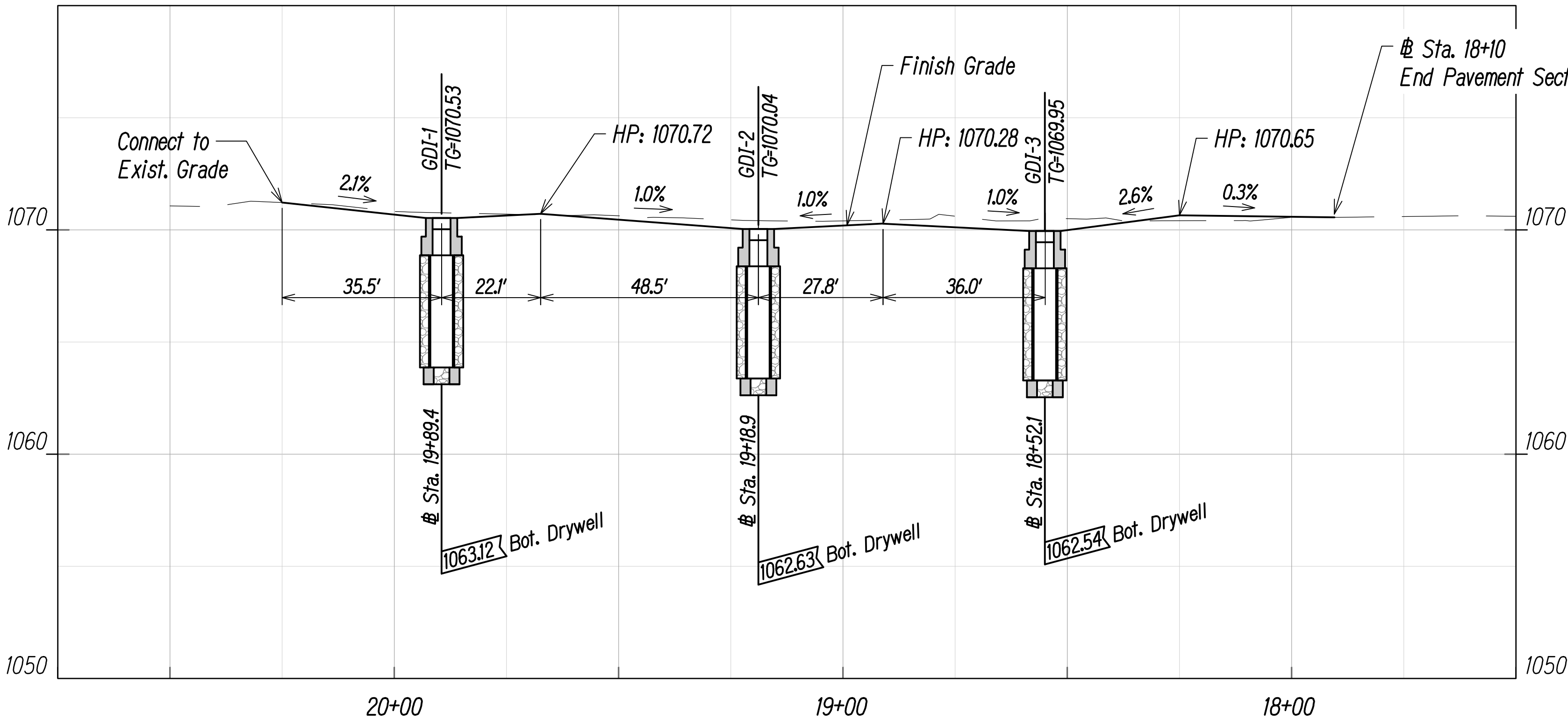


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	41	114

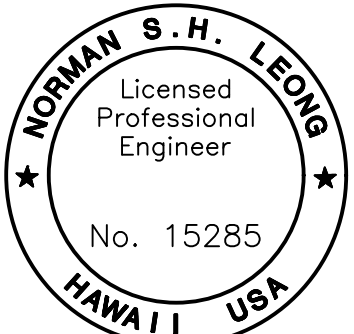


NOTE:

- Contour intervals are shown at 1' minor, 5' major.
- Offset distances shown are from the Mamalahoa Highway baseline to the center of drywell grate.
- Offset directions are based on the Mamalahoa Highway baseline stationing in increasing order.
- The Contractor shall take proper precaution when excavating. If contaminated or hazardous items or materials are encountered, the Contractor shall handle the material in accordance with Hawaii Standard Specifications for Road and Bridge Construction, Dated 2005, Subsection 107.16 - Contaminated or Hazardous Items and Material; Regulated Items and Materials; Waste and Subsection 219.04 - Determination and Handling of Hazardous Waste.
- The existing drainage system shall be functional at all times. The Contractor shall furnish materials, equipment, labor, tools, and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



This work was prepared by me or under my supervision and construction of this project will be under my observation.

Norman S.H. Leong
Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

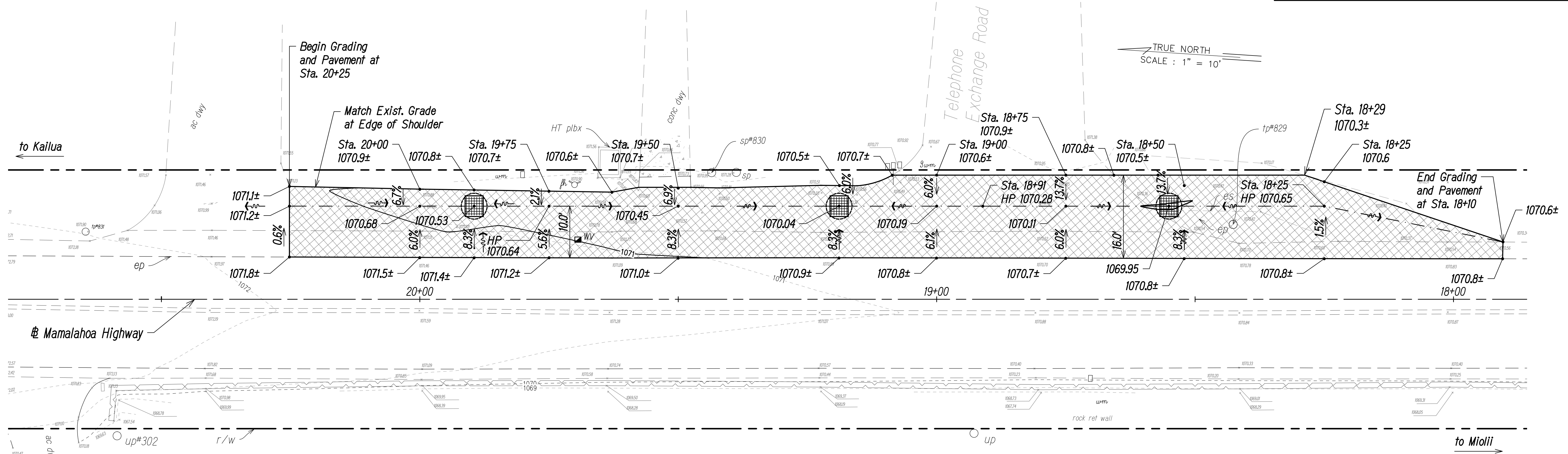
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS

Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)

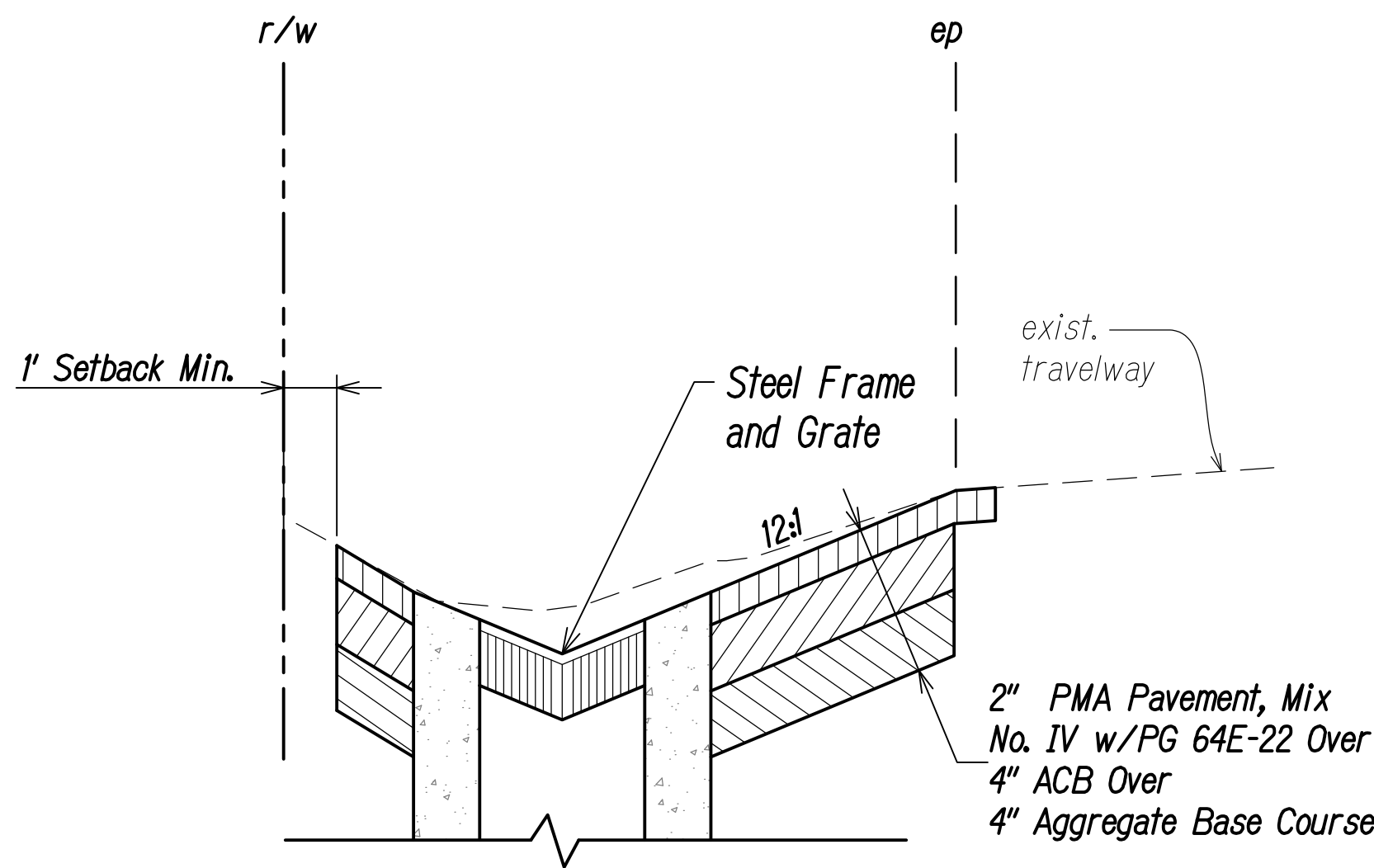
Scale: As Shown Date: September 2023

SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	42	114

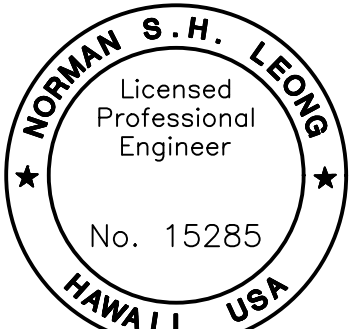


GRADING PLAN
Scale: 1"=10'



TYPICAL SECTION AT DRYWELL
Scale: 1"=10'

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



This work was prepared by me or under my supervision and construction of this project will be under my observation.
Norman S.H. Leong
Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)
Scale: 1"=40' Date: September 2023

SHEET No. 2 OF 2 SHEETS

