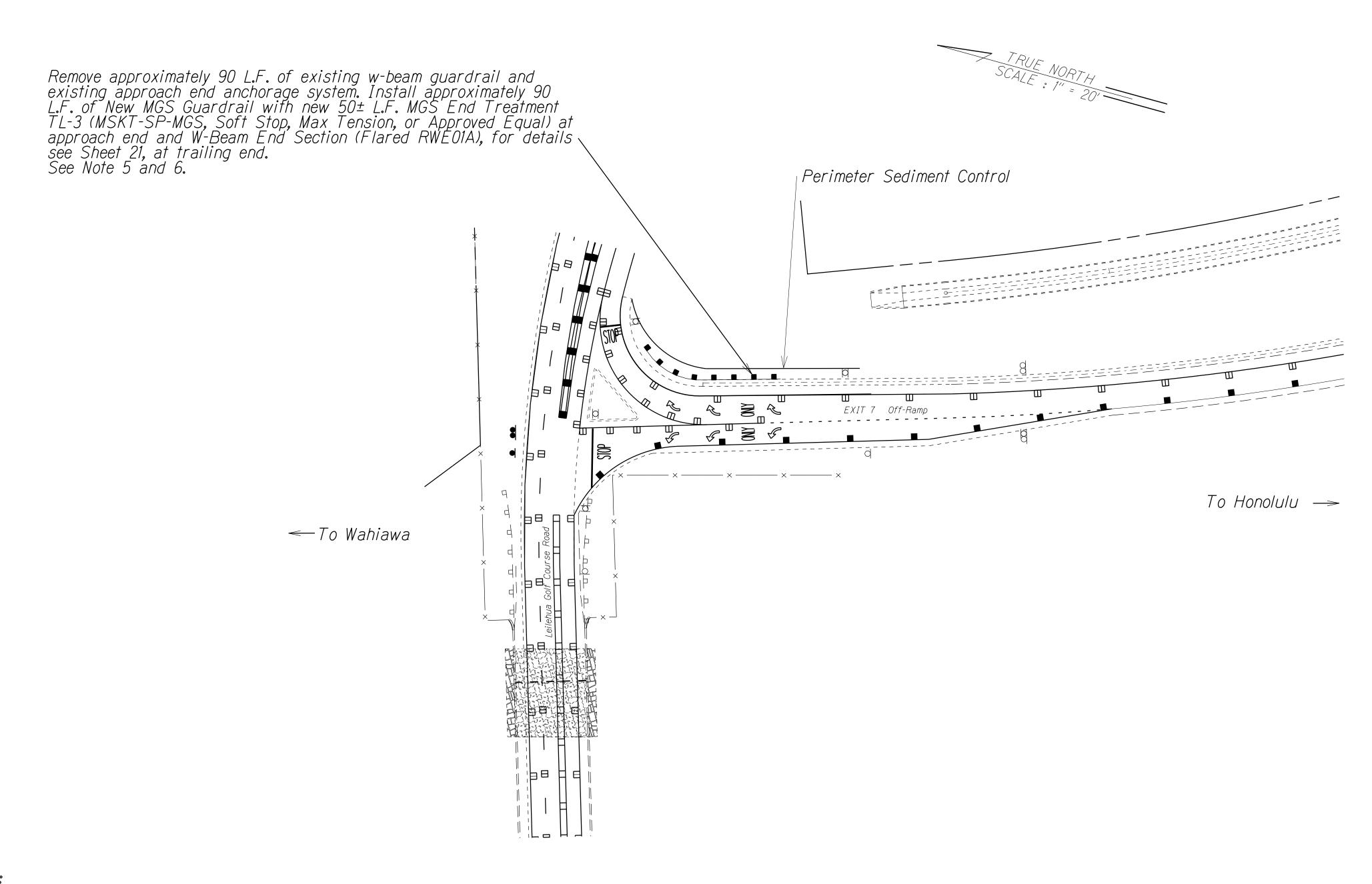
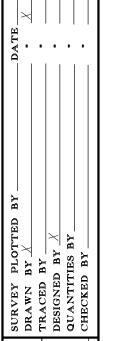
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0300(166)	2022	8	22





NOTES:

1. Contractor to confirm location of underground utilities prior to installation of guardrail.

2. For Traffic Control Layout, see Section 645 of the State of Hawaii Standard Specifications.

3. The removal and disposal of existing concrete barriers, inertial barrels, concrete pads, and landscaping within the work area shall be considered incidental to various contract items.

4. The End Guardrail Treatment System shall be installed per manufacturer's recommendations.

5. Post for new Guardrail shall be installed at existing guardrail post location as specified in Spec Section 606.

6. If Thrie beam exist for existing guardrail, use Thrie beam for proposed condition. See Sheet 19. For transition, see Sheet 20.

BMP NOTES:

1. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

RT. H-2 LEILEHUA INTERCHANGE

GUARDRAIL AND SHOULDER IMPROVEMENTS

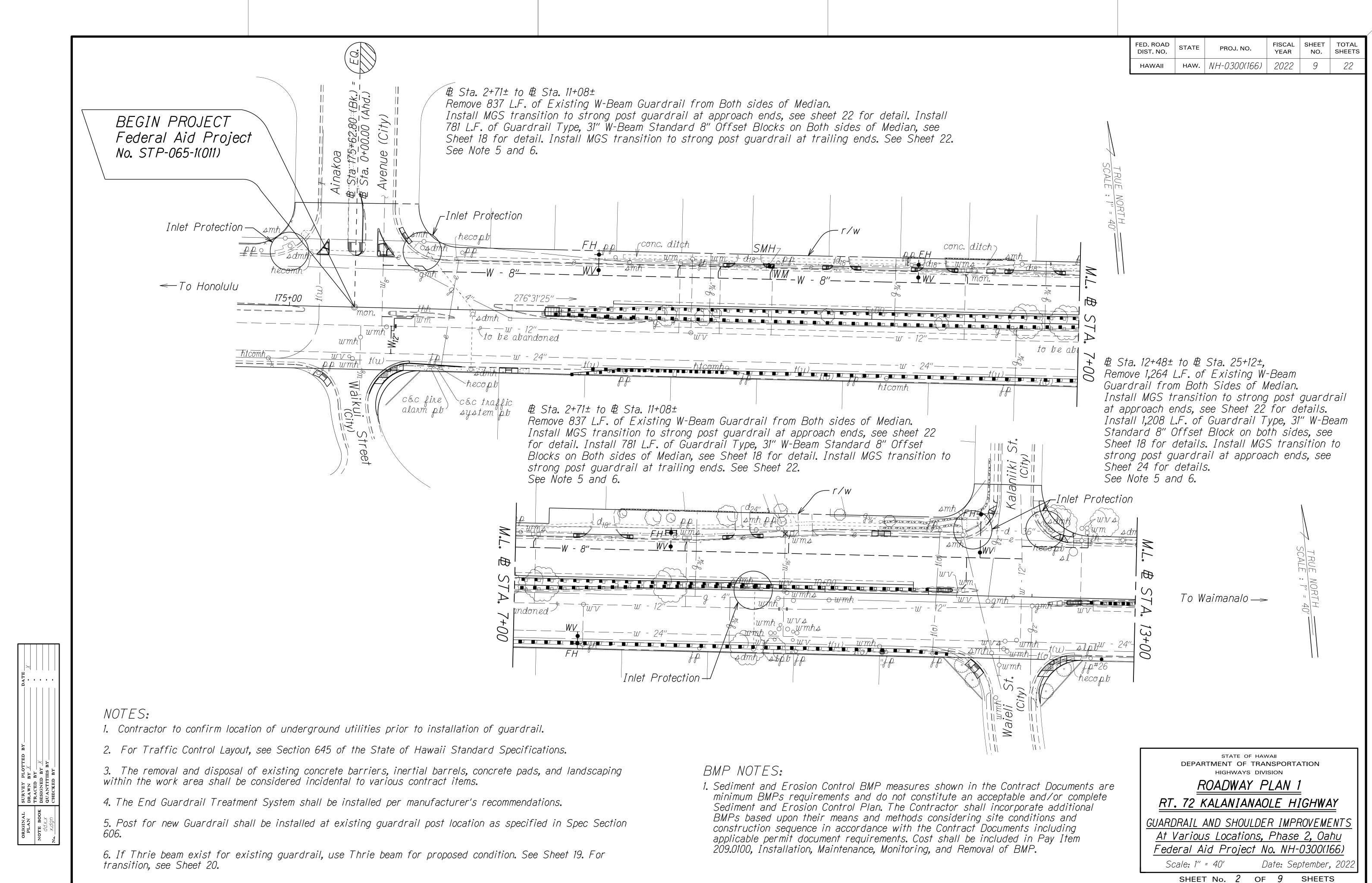
At Various Locations, Phase 2, Oahu

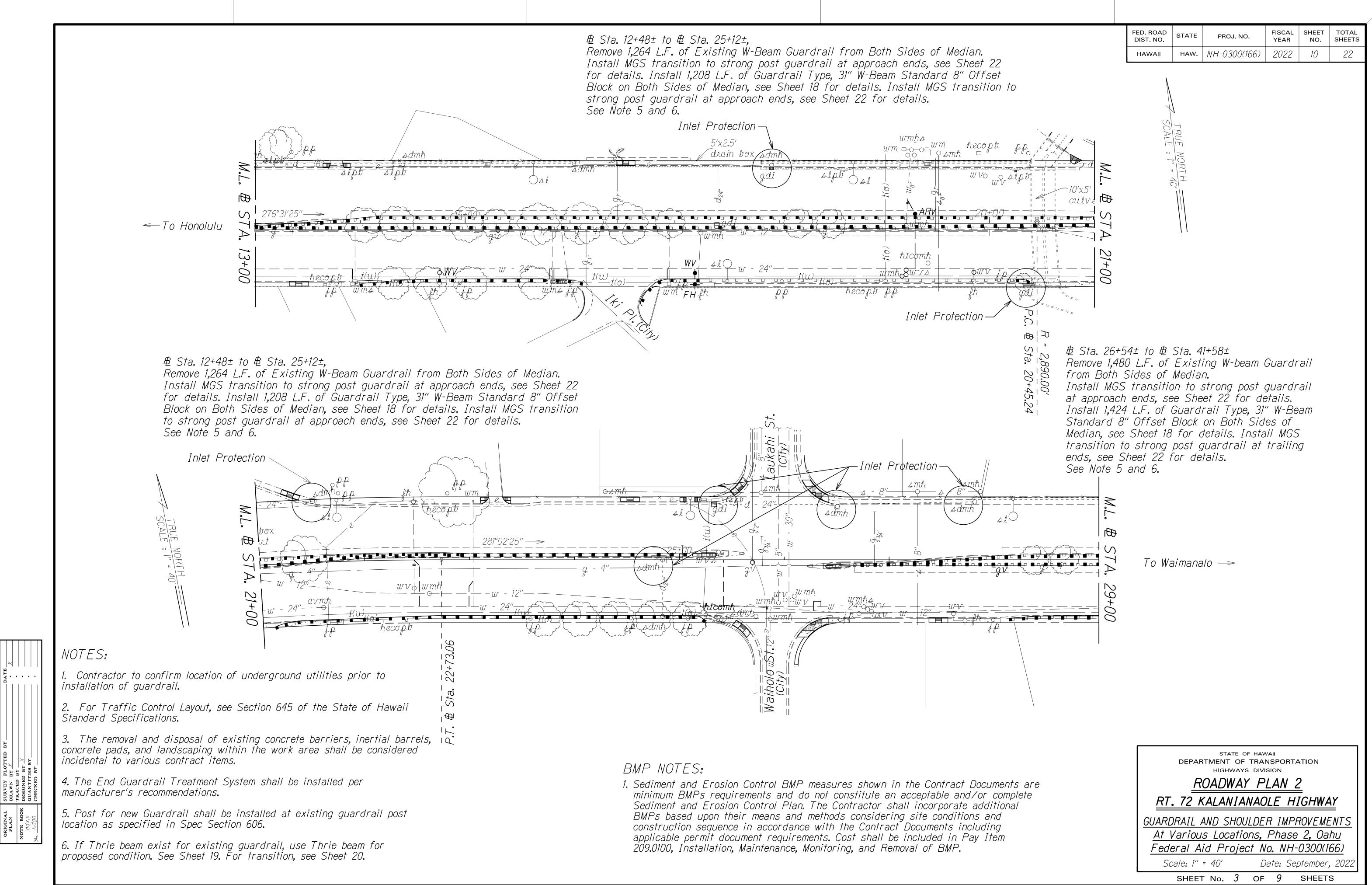
Federal Aid Project No. NH-0300(166)

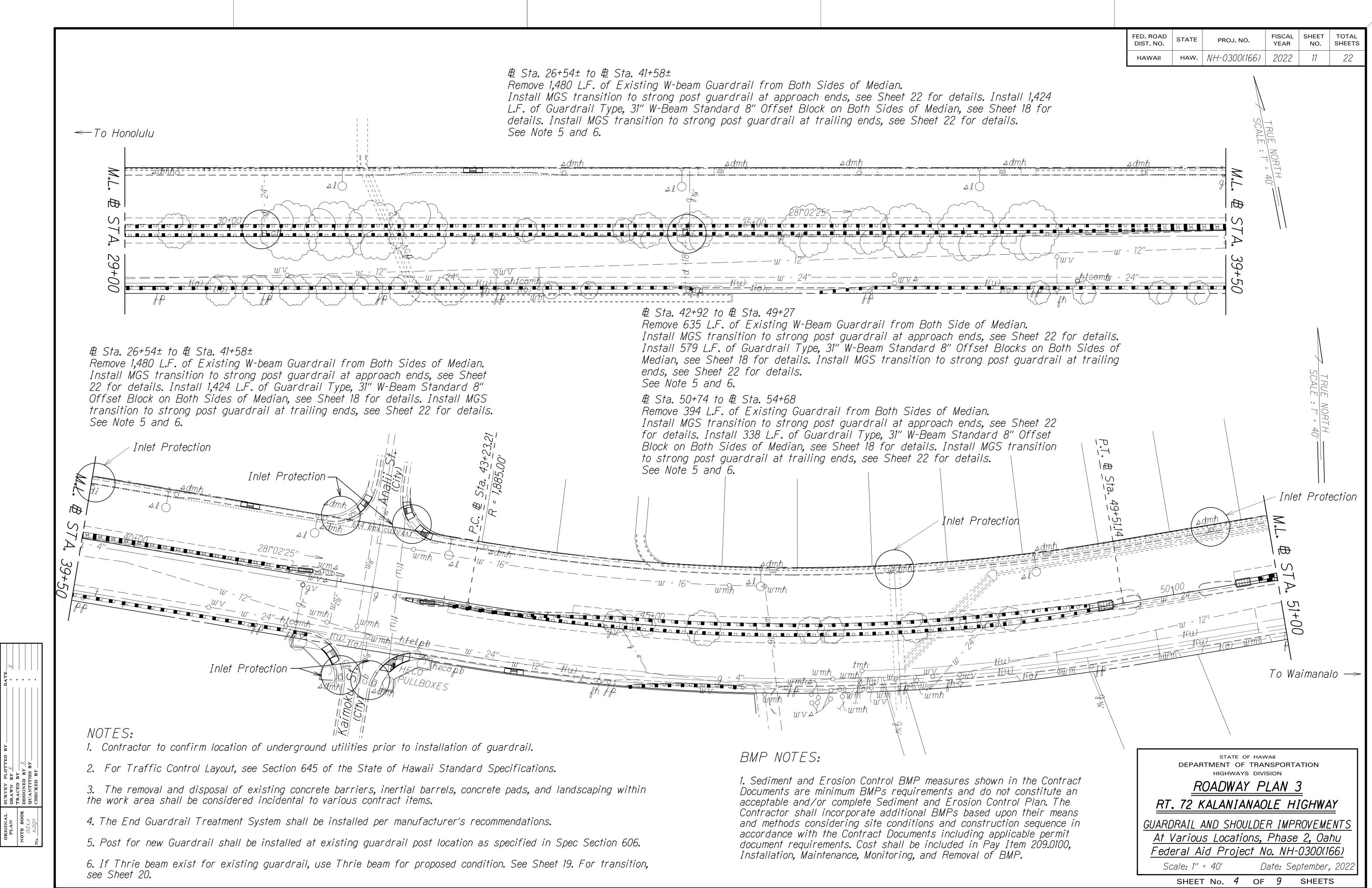
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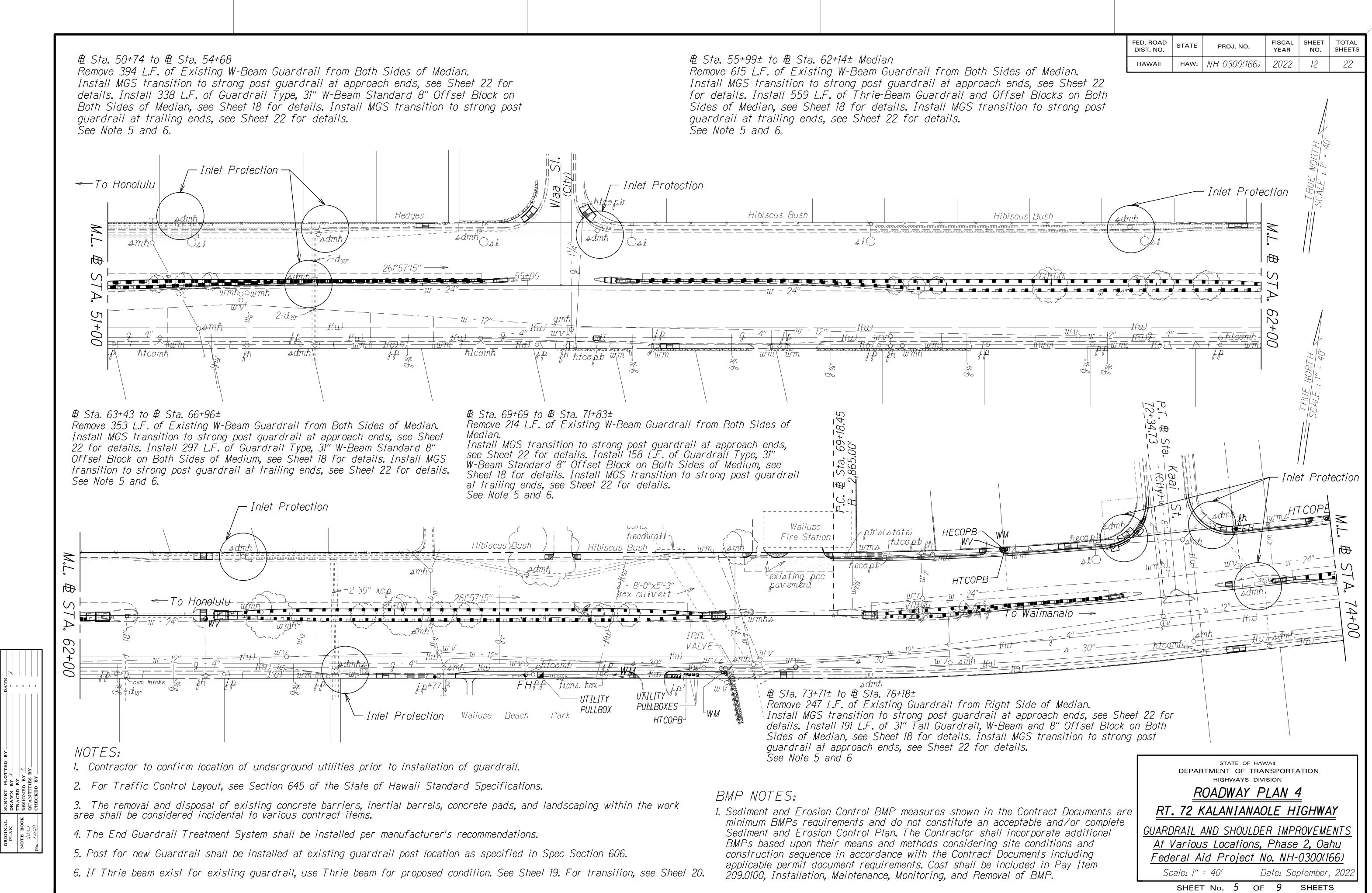
Date: September, 2022

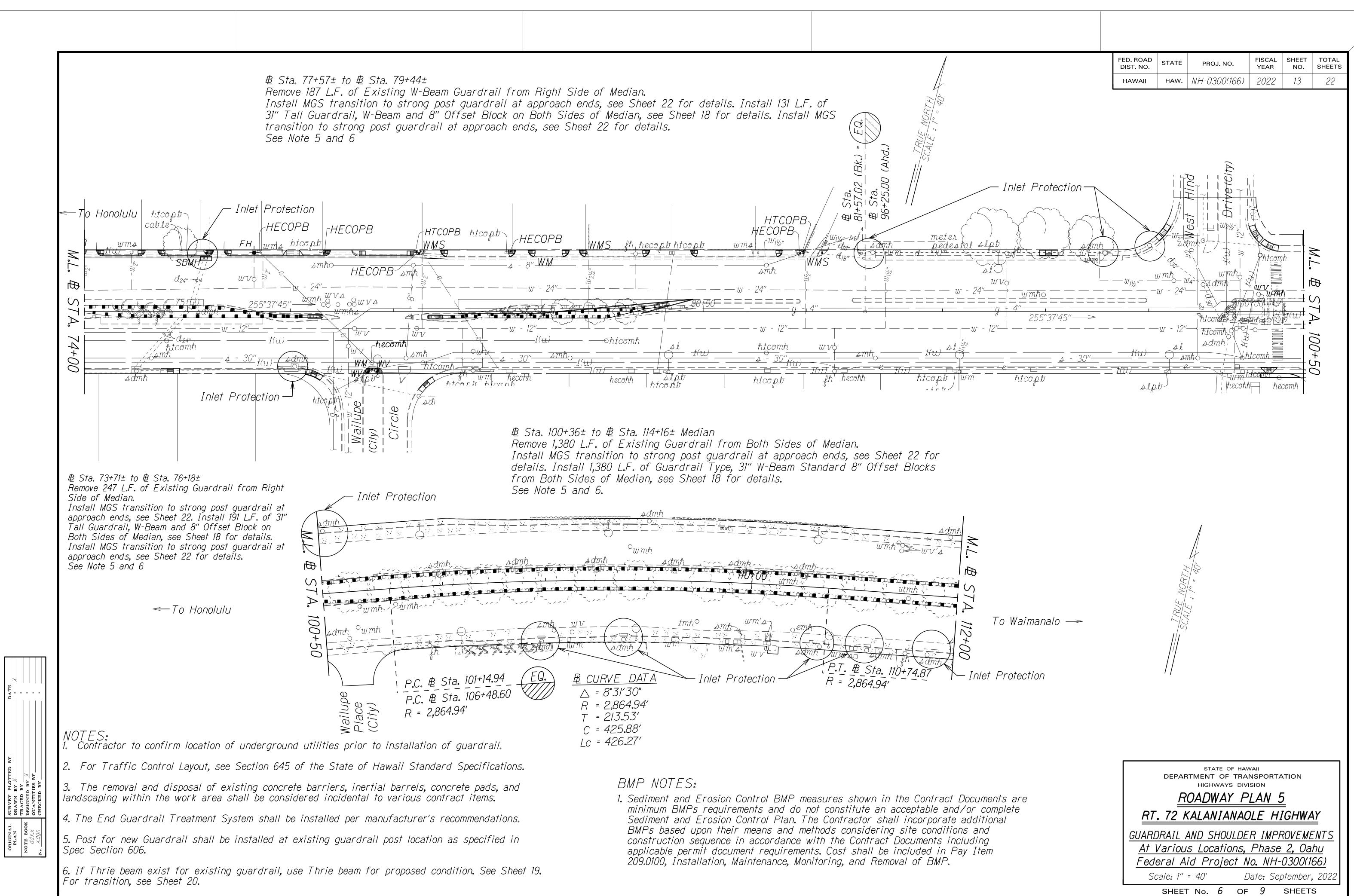
SHEET No. 1 OF 9 SHEETS

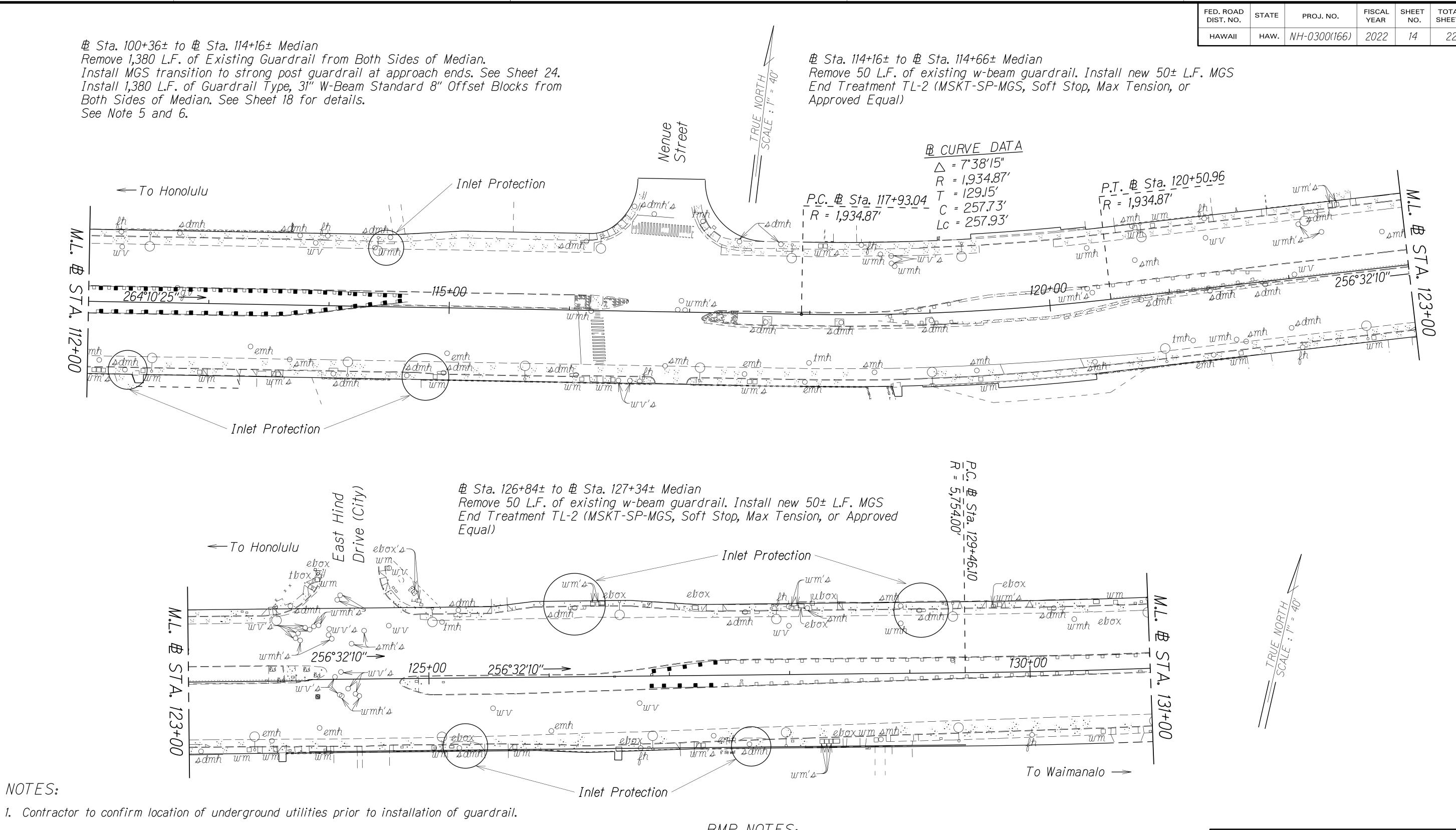


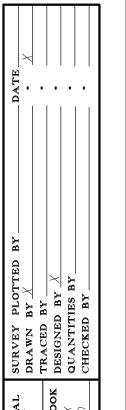












2. For Traffic Control Layout, see Section 645 of the State of Hawaii Standard Specifications.

- 3. The removal and disposal of existing concrete barriers, inertial barrels, concrete pads, and landscaping within the work area shall be considered incidental to various contract items.
- 4. The End Guardrail Treatment System shall be installed per manufacturer's recommendations.
- 5. Post for new Guardrail shall be installed at existing guardrail post location as specified in Spec Section 606.
- 6. If Thrie beam exist for existing guardrail, use Thrie beam for proposed condition. See Sheet 19. For transition, see Sheet 20.

BMP NOTES:

1. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100, İnstallation, Maintenance, Monitoring, and Removal of BMP.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

ROADWAY PLAN 6

RT. 72 KALANIANAOLE HIGHWAY

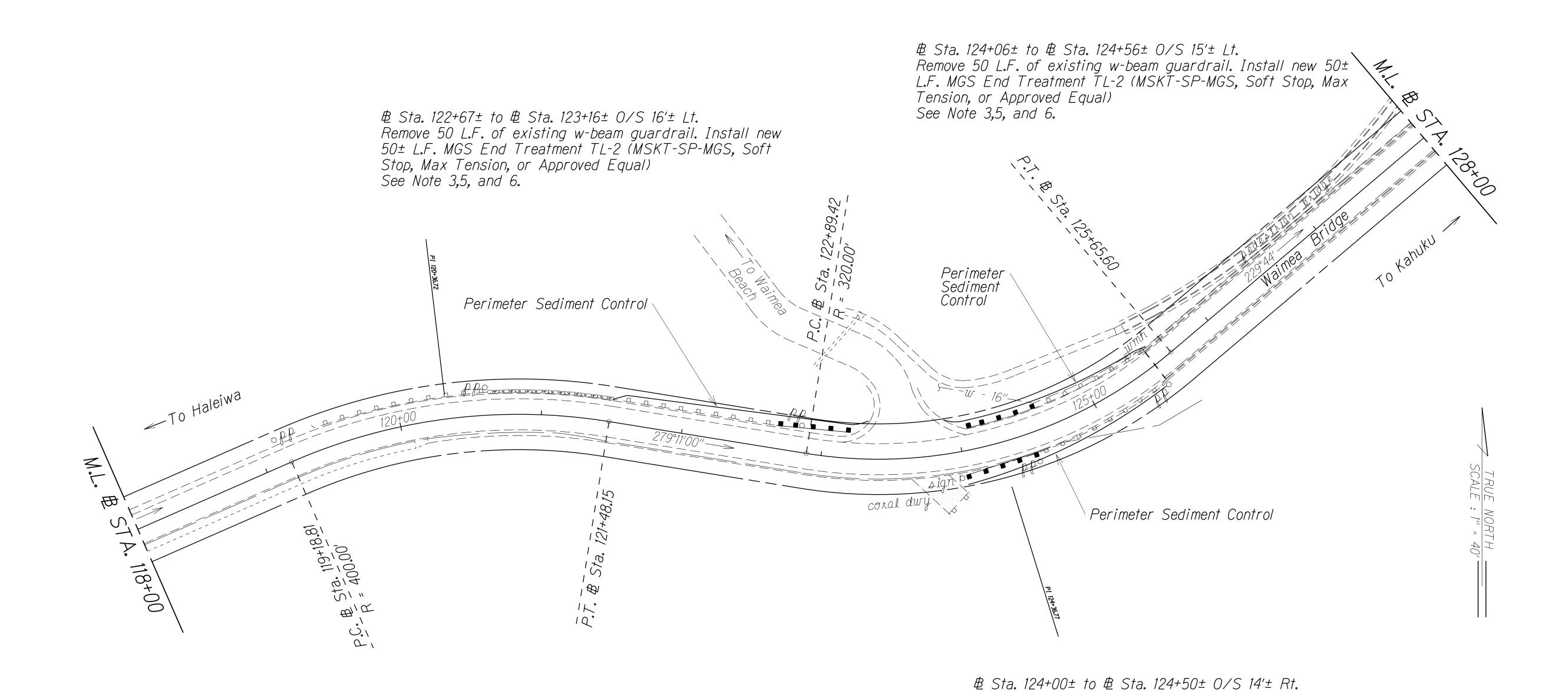
GUARDRAIL AND SHOULDER IMPROVEMENTS At Various Locations, Phase 2, Oahu Federal Aid Project No. NH-0300(166)

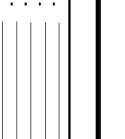
Scale: 1" = 40'

Date: September, 2022 of *9* SHEETS

SHEET No. 7

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0300(166)	2022	15	22





SURVEY PLOTTI
DRAWN BY \angle TRACED BY
DESIGNED BY \angle QUANTITIES BY
CHECKED BY

NOTES:

- 1. Contractor to confirm location of underground utilities prior to installation of guardrail.
- 2. For Traffic Control Layout, see Section 645 of the State of Hawaii Standard Specifications.
- 3. Water line location shall be field verified. Please take caution when excavating for posts as not to damage the waterline. See detail on Sheet 20 for details on Guardrails crossing an underground line.
- 4. The removal and disposal of existing concrete barriers, inertial barrels, concrete pads, and landscaping within the work area shall be considered incidental to various contract items.
- 5. Post for new Guardrail shall be installed at existing guardrail post location as specified in Spec Section 606.
- 6. If Thrie beam exist for existing guardrail, use Thrie beam for proposed condition. See Sheet 19. For transition, see Sheet 20.

BMP NOTES:

1. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.

Tension, or Approved Equal)

Remove 50 L.F. of existing w-beam guardrail. Install new 50± L.F. MGS End Treatment TL-2 (MSKT-SP-MGS, Soft Stop, Max

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

RT. 83 KAMEHAMEHA HIGHWAY

GUARDRAIL AND SHOULDER IMPROVEMENTS

At Various Locations, Phase 2, Oahu

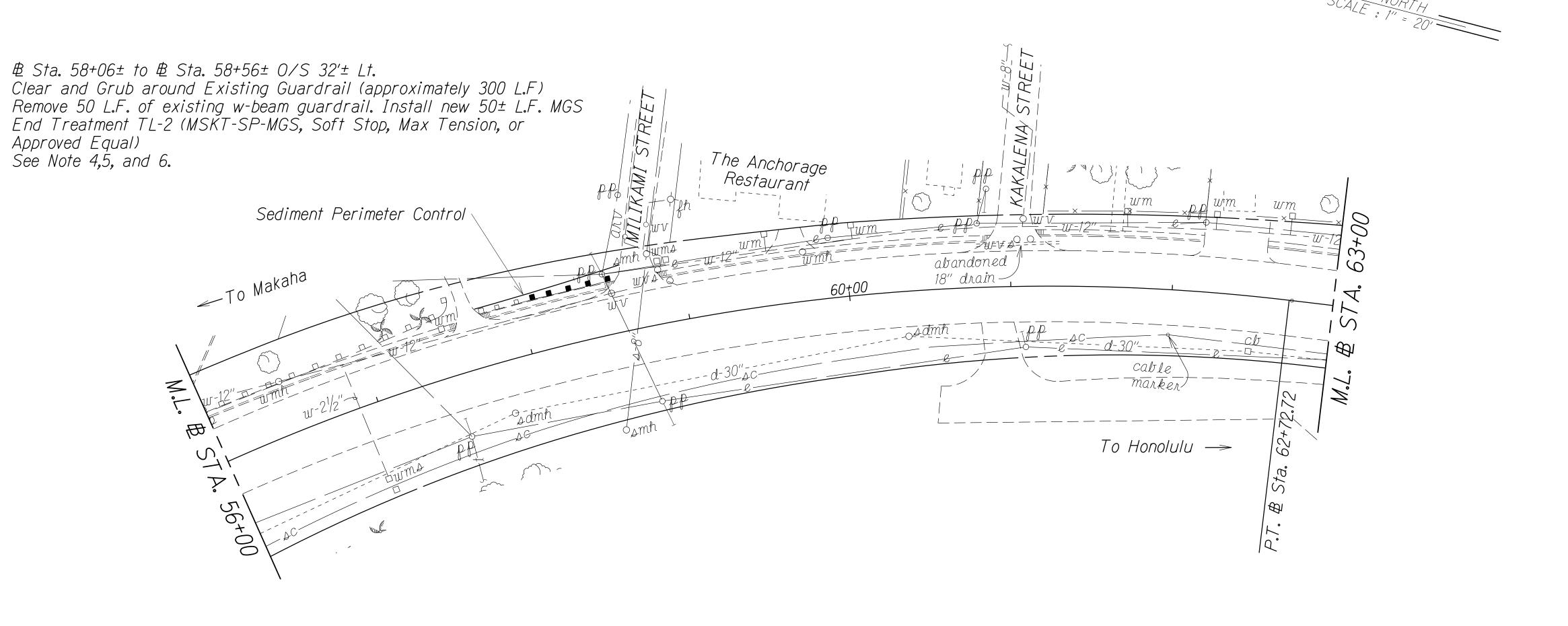
Federal Aid Project No. NH-0300(166)

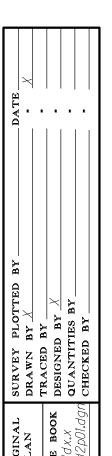
Scale: 1" = 40'

Date: September, 2022

SHEET No. 8 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0300(166)	2022	16	22





NOTES:

- 1. Contractor to confirm location of underground utilities prior to installation of guardrail.
- 2. For Traffic Control Layout, see Section 645 of the State of Hawaii Standard Specifications.
- 3. The removal and disposal of existing concrete barriers, inertial barrels, concrete pads, and landscaping within the work area shall be considered incidental to various contract items.
- 4. The End Guardrail Treatment System shall be installed per manufacturer's recommendations.
- 5. Post for new Guardrail shall be installed at existing guardrail post location as specified in Spec Section 606.
- 6. If Thrie beam exist for existing guardrail, use Thrie beam for proposed condition. See Sheet 19. For transition, see Sheet 20.

BMP Note:

1. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100, Installation, Maintenance, Monitoring, and Removal of BMP.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

RT. 93 FARRINGTON HIGHWAY

GUARDRAIL AND SHOULDER IMPROVEMENTS

At Various Locations, Phase 2, Oahu

Federal Aid Project No. NH-0300(166)

Scale: 1" = 40'

Date: September, 2022

SHEET No. 9 OF 9 SHEETS