

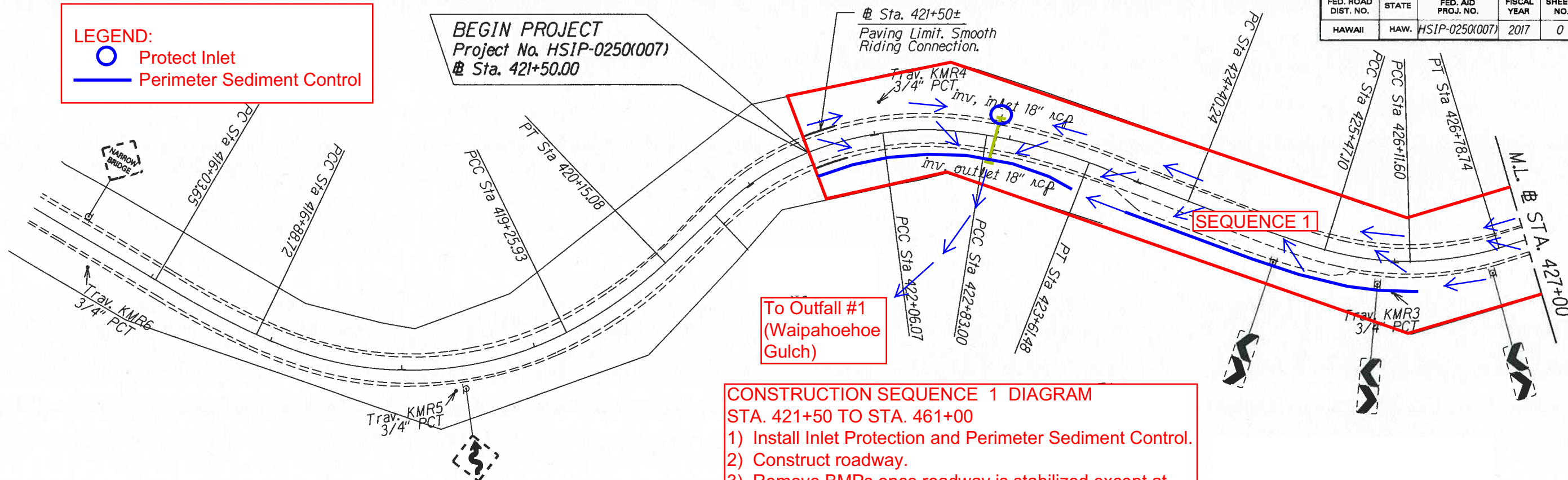
**SWPPP Attachment A**  
**BMP Maps**

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

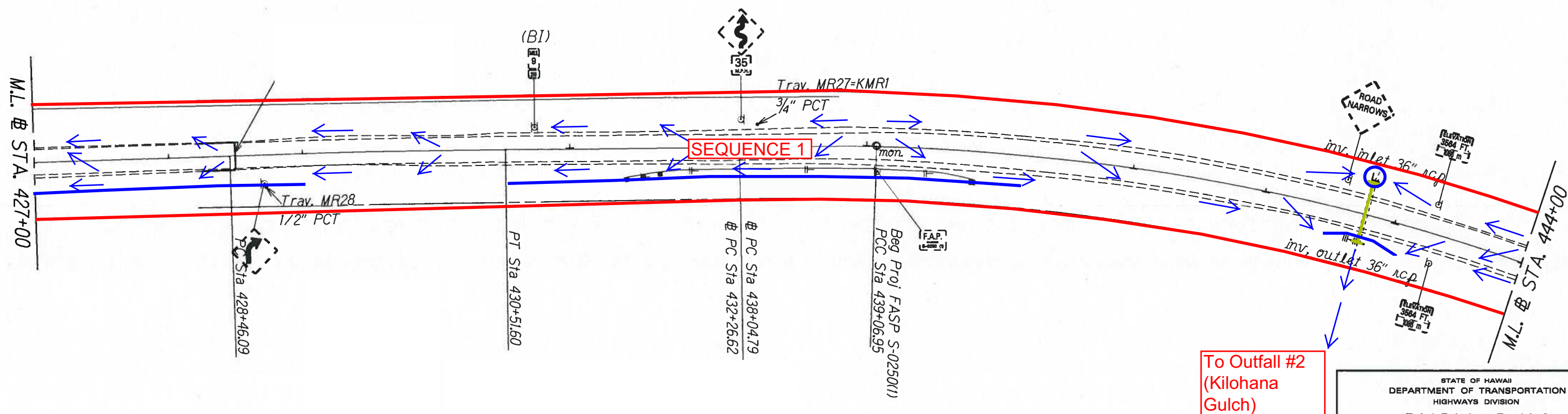
# LEGEND:

- Protect Inlet
- Perimeter Sediment Control

**BEGIN PROJECT**  
Project No. HSIP-0250(007)  
@ Sta. 421+50.00



**CONSTRUCTION SEQUENCE 1 DIAGRAM**  
STA. 421+50 TO STA. 461+00  
1) Install Inlet Protection and Perimeter Sediment Control.  
2) Construct roadway.  
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas.



To Outfall #2  
(Kilohana  
Gulch)

|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DESIGNED BY       | _____ |
| TRACED BY         | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| N.                | _____ |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLANS**

**KOHALA MOUNTAIN ROAD**

**Safety Improvements**

Federal Aid Project No. HSIP-0250(007)

Scale: 1" = 40' Date: March, 2017

SHEET No. 1 OF 6 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

LEGEND:

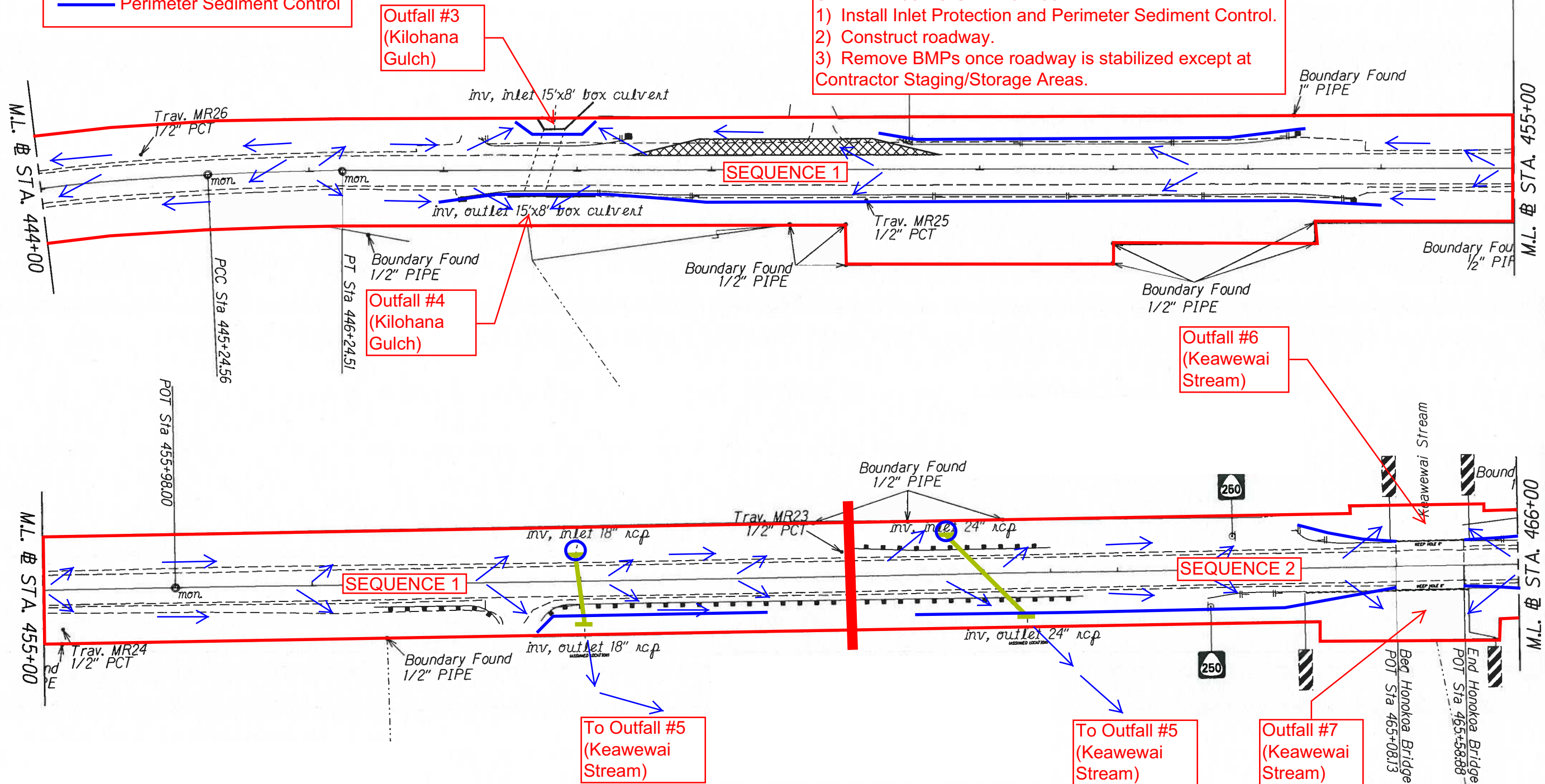
○ Protect Inlet

— Perimeter Sediment Control

CONSTRUCTION SEQUENCE 1 DIAGRAM

STA. 421+50 TO STA. 461+00

1) Install Inlet Protection and Perimeter Sediment Control.  
2) Construct roadway.  
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas.



|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DESIGNED BY   |      |
| TRACED BY     |      |
| NOTES BOOK    |      |
| QUANTITIES BY |      |
| CHECKED BY    |      |

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

ROADWAY PLANS

KOHALA MOUNTAIN ROAD

Safety Improvements

Federal Aid Project No. HSIP-0250(007)

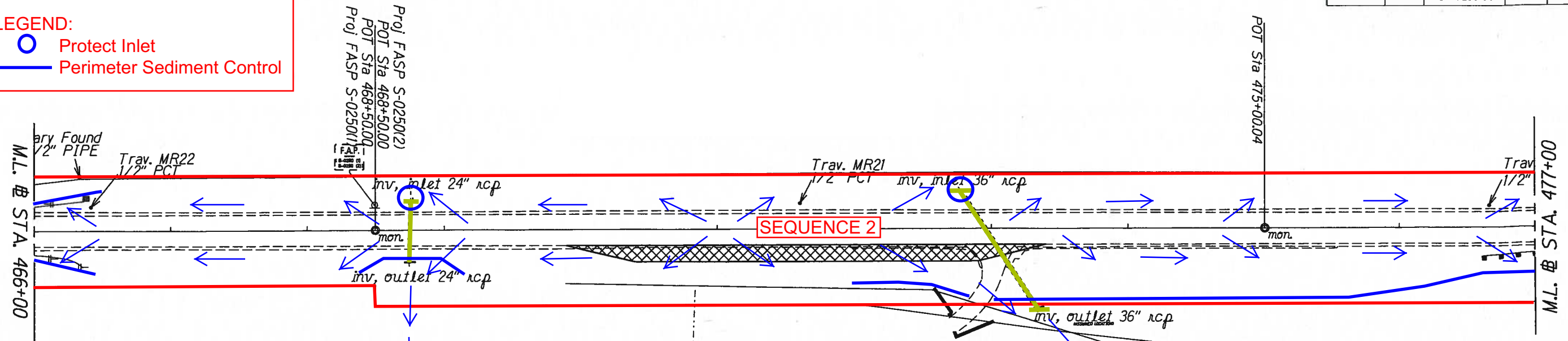
Scale: 1" = 40'

Date: March, 2017

SHEET No. 2 OF 6 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

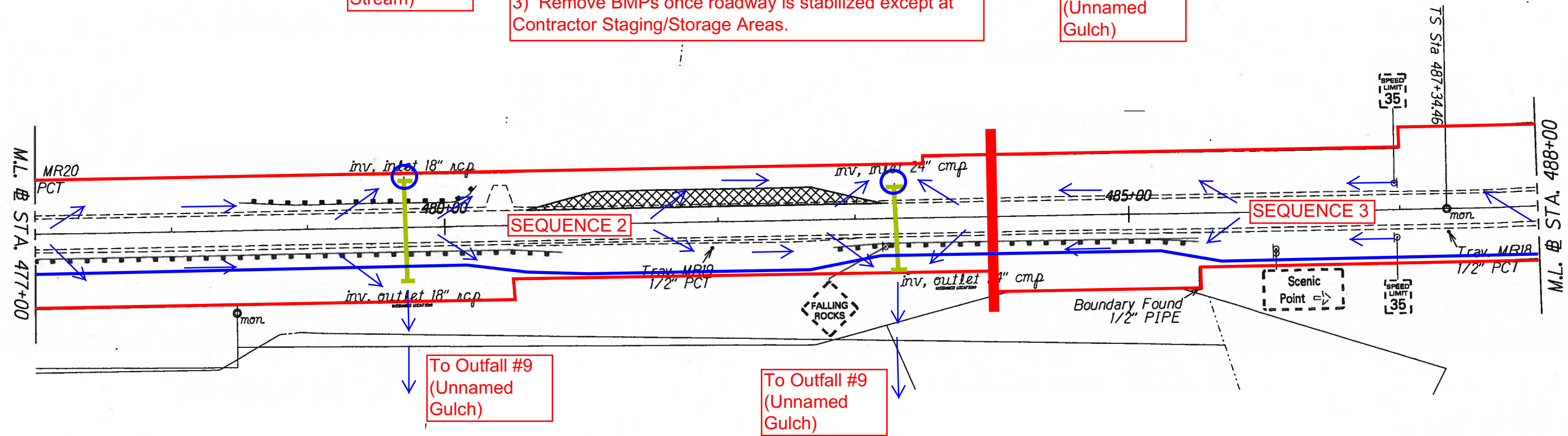
LEGEND:  
 Protect Inlet  
 Perimeter Sediment Control



CONSTRUCTION SEQUENCE 2 DIAGRAM  
 STA. 461+00 TO STA. 484+00  
 1) Install Inlet Protection and Perimeter Sediment Control.  
 2) Construct roadway.  
 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas.

To Outfall #8  
 (Keawewai Stream)

To Outfall #9  
 (Unnamed Gulch)



CONSTRUCTION SEQUENCE 3 DIAGRAM  
 STA. 484+00 TO STA. 509+00  
 1) Install Inlet Protection and Perimeter Sediment Control.  
 2) Construct roadway.  
 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas.

To Outfall #9  
 (Unnamed Gulch)

To Outfall #9  
 (Unnamed Gulch)

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| TRACED BY         |      |
| NOTES BOOK        |      |
| QUANTITIES BY     |      |
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

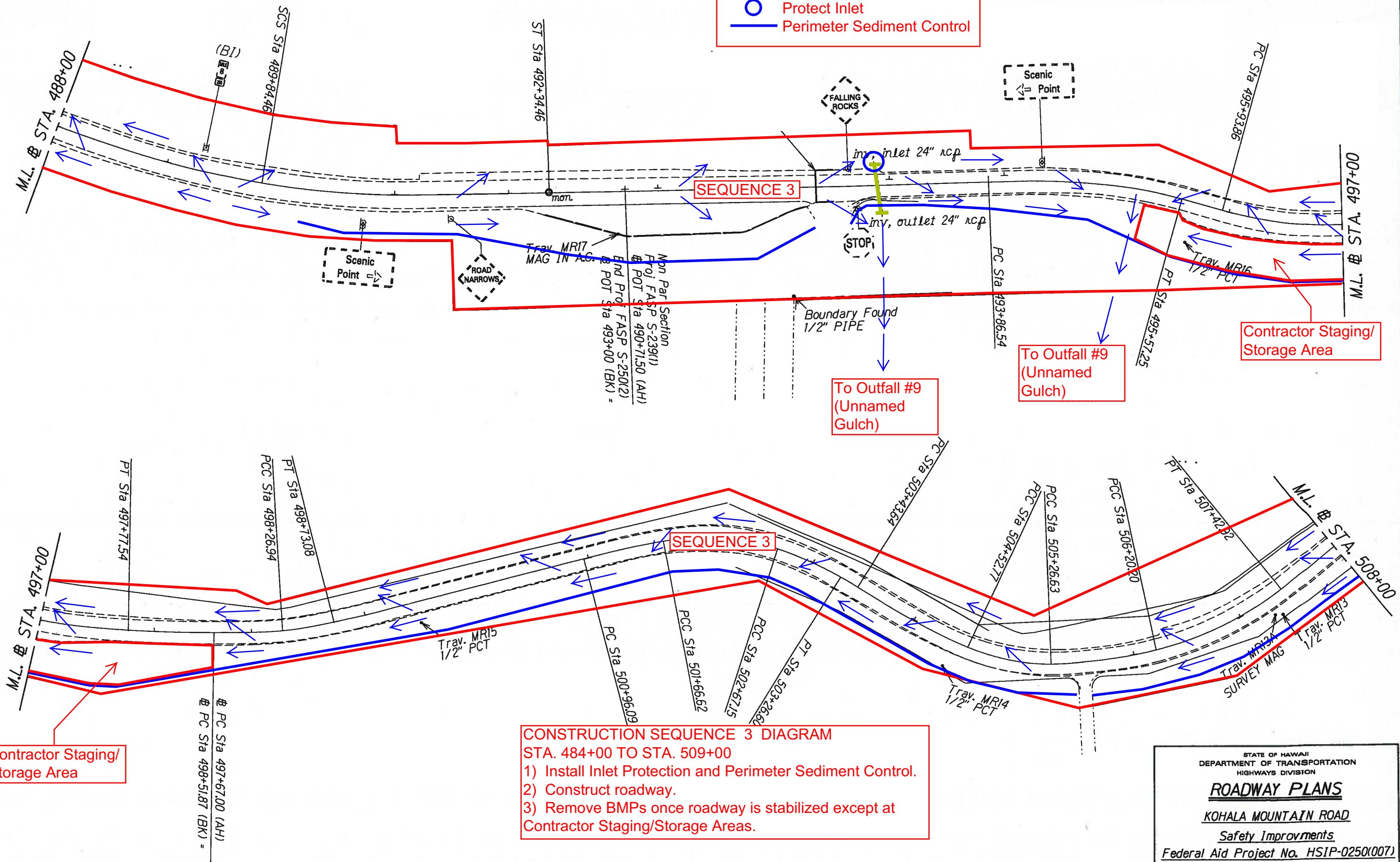
ROADWAY PLANS  
HOHALA MOUNTAIN ROAD  
Safety Improvements  
Federal Aid Project No. HSIP-0250(007)

Scale: 1" = 40'  
Date: January, 2013

SHEET No. 3 OF 6 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

**LEGEND:**  
 Protect Inlet  
 Perimeter Sediment Control



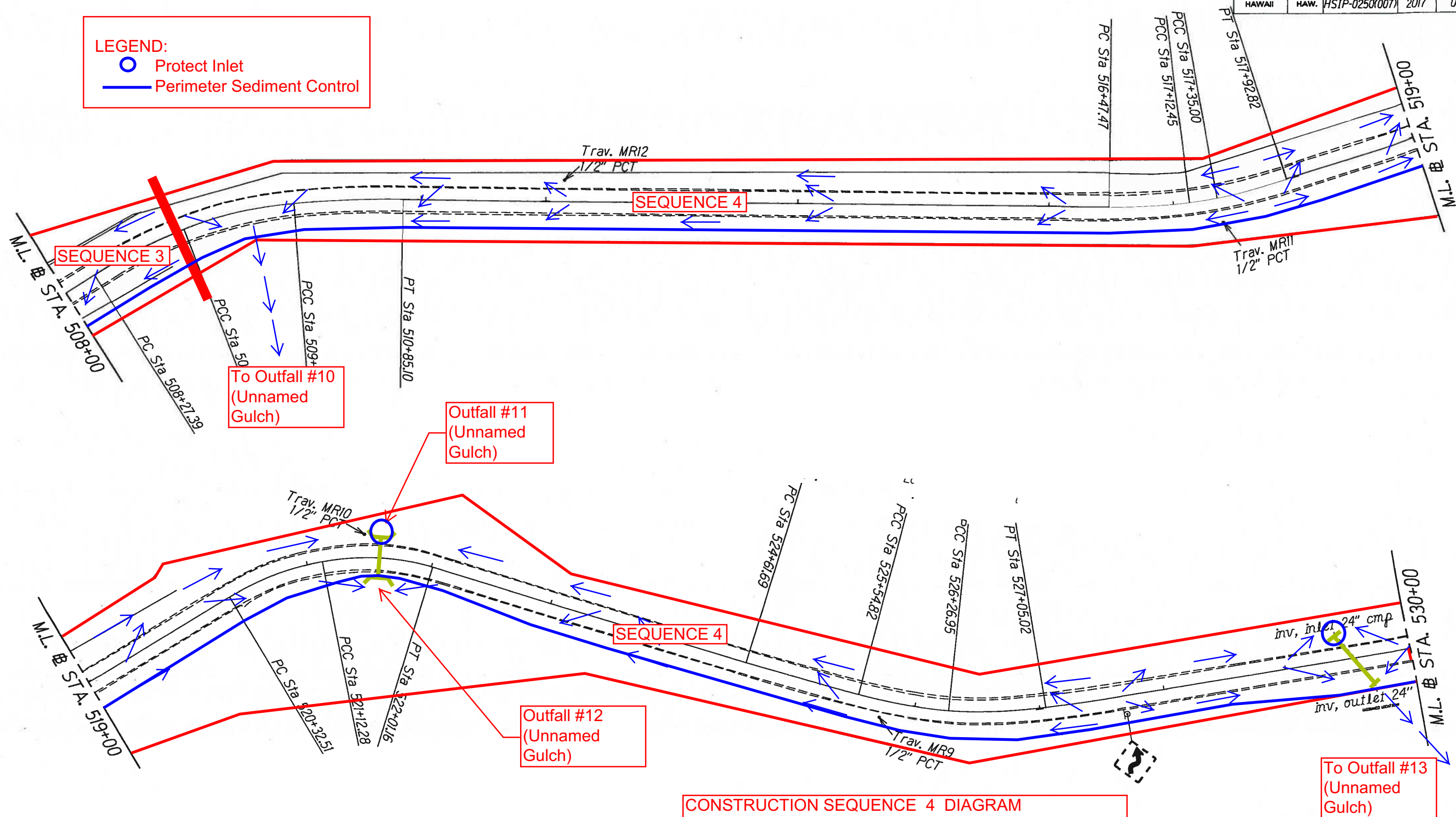
**CONSTRUCTION SEQUENCE 3 DIAGRAM**  
 STA. 484+00 TO STA. 509+00  
 1) Install Inlet Protection and Perimeter Sediment Control.  
 2) Construct roadway.  
 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas.

|               |             |             |             |             |             |
|---------------|-------------|-------------|-------------|-------------|-------------|
| DATE          | BY          | DATE        | BY          | DATE        | BY          |
| DESIGNED BY   | DESIGNED BY | DESIGNED BY | DESIGNED BY | DESIGNED BY | DESIGNED BY |
| CHECKED BY    | CHECKED BY  | CHECKED BY  | CHECKED BY  | CHECKED BY  | CHECKED BY  |
| ORIGINAL PLAN | NOTE BOOK   | NOTE BOOK   | NOTE BOOK   | NOTE BOOK   | NOTE BOOK   |

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**ROADWAY PLANS**  
 KOHALA MOUNTAIN ROAD  
 Safety Improvements  
 Federal Aid Project No. HSIP-0250(007)  
 Scale: 1" = 40' Date: January, 2013  
 SHEET No. 4 OF 6 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

LEGEND:  
 Protect Inlet  
 Perimeter Sediment Control



CONSTRUCTION SEQUENCE 4 DIAGRAM  
 STA. 509+00 TO STA. 535+00  
 1) Install Inlet Protection and Perimeter Sediment Control.  
 2) Construct roadway.  
 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas.

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
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STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

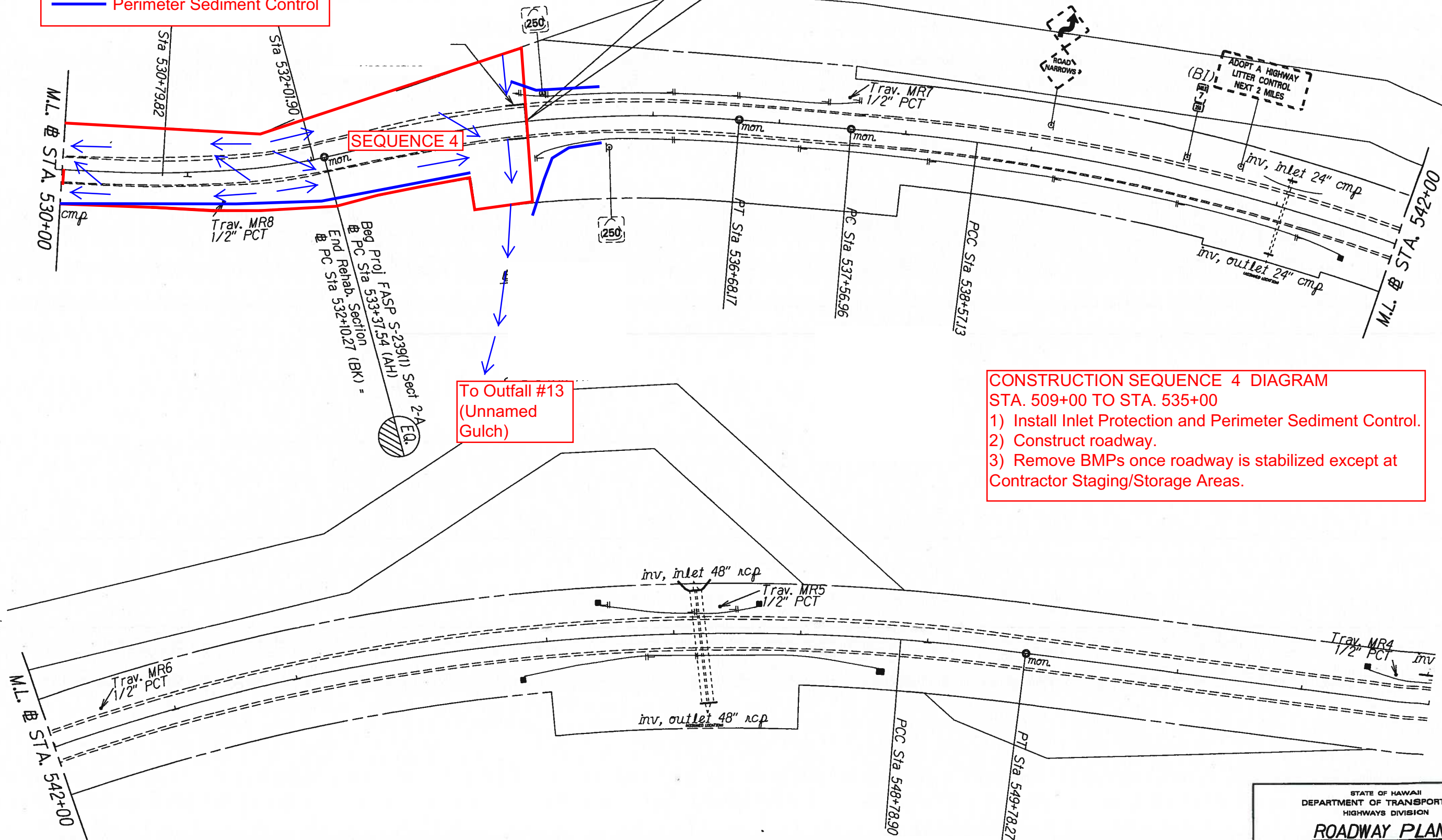
**ROADWAY PLANS**  
 KOHALA MOUNTAIN ROAD  
 Safety Improvements  
 Federal Aid Project No. HSIP-0250(007)  
 Scale: 1" = 40'  
 Date: January, 2013

SHEET No. 5 OF 6 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

**LEGEND:**  
 Protect Inlet  
 Perimeter Sediment Control

**END OF PROJECT**  
Project No. HSIP-0250(007)  
@ Sta. 535+00



**CONSTRUCTION SEQUENCE 4 DIAGRAM**  
STA. 509+00 TO STA. 535+00  
1) Install Inlet Protection and Perimeter Sediment Control.  
2) Construct roadway.  
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas.

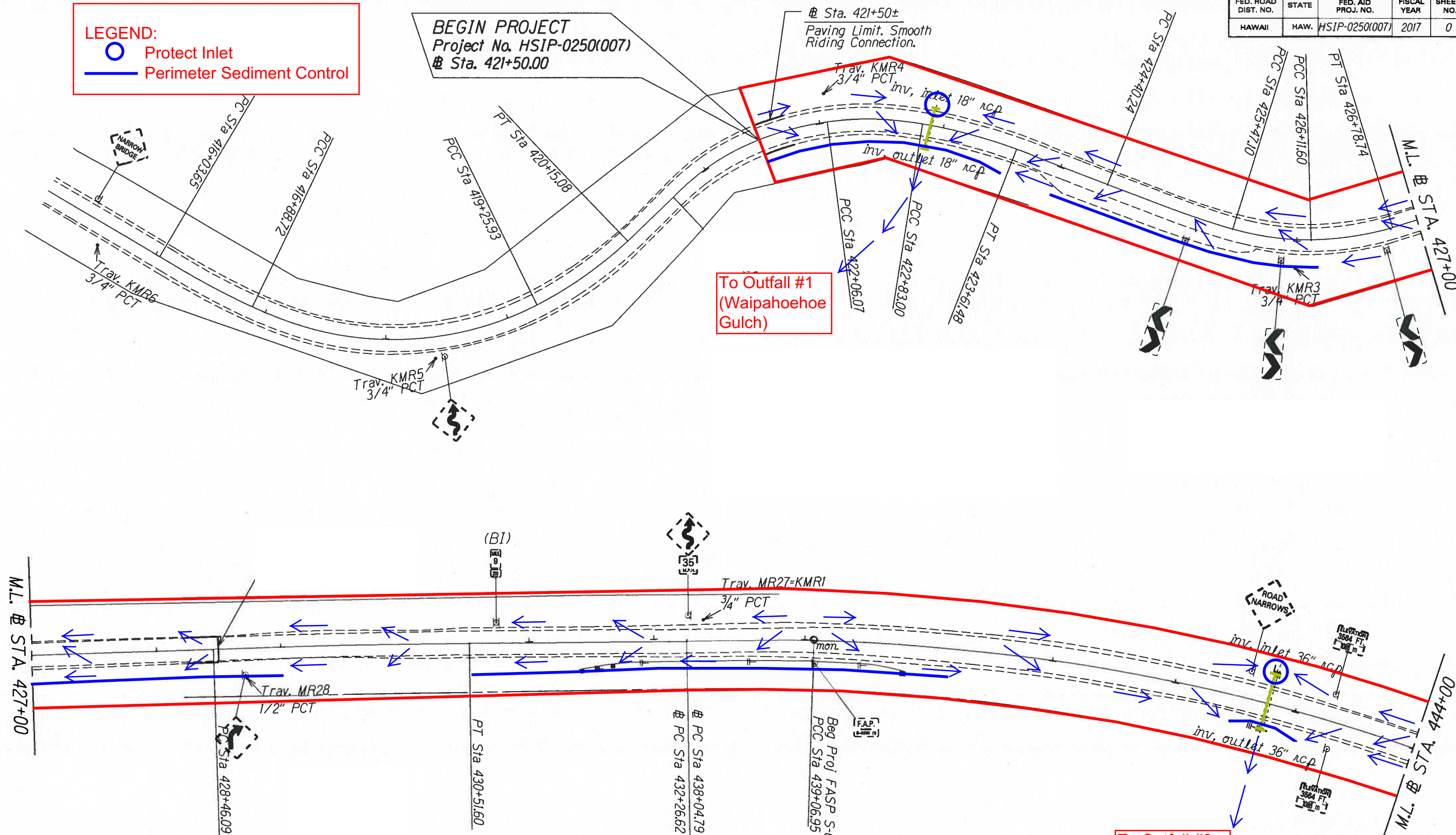
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|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DESIGNED BY       | _____ |
| TRACED BY         | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| No.               | _____ |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ROADWAY PLANS**  
**KOHALA MOUNTAIN ROAD**  
Safety Improvements  
Federal Aid Project No. HSIP-0250(007)  
Scale: 1" = 40' Date: January, 2013  
SHEET No. 6 OF 6 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

**LEGEND:**  
 Protect Inlet  
 Perimeter Sediment Control

**BEGIN PROJECT**  
Project No. HSIP-0250(007)  
@ Sta. 421+50.00



**BMP PLAN ROAD CONSTRUCTION**  
Road Construction (Cold planing and resurfacing of existing pavement, construction of pavement shoulder pullouts, installation of centerline rumble strips, curve ahead signs, flashing beacons, chevrons, guardrails, pavement markings and signing, constructing grouted rubble paving, and hydro-mulch seeding.

To Outfall #2  
(Kilohana Gulch)

|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DESIGNED BY       | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| N.                | _____ |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLANS**

KOHALA MOUNTAIN ROAD

Safety Improvements

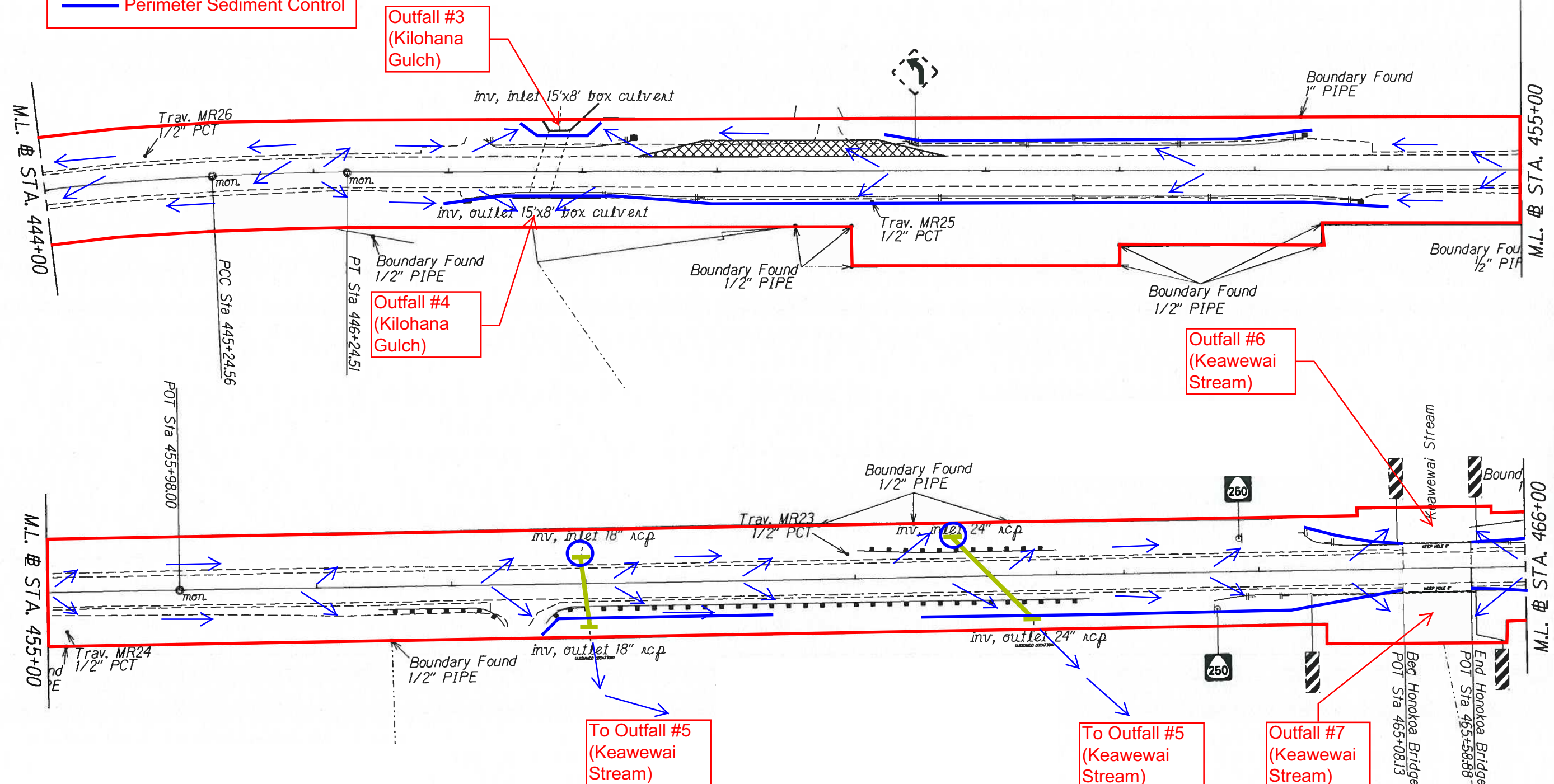
Federal Aid Project No. HSIP-0250(007)

Scale: 1" = 40' Date: March, 2017

SHEET No. 1 OF 6 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

**LEGEND:**  
 Protect Inlet  
 Perimeter Sediment Control



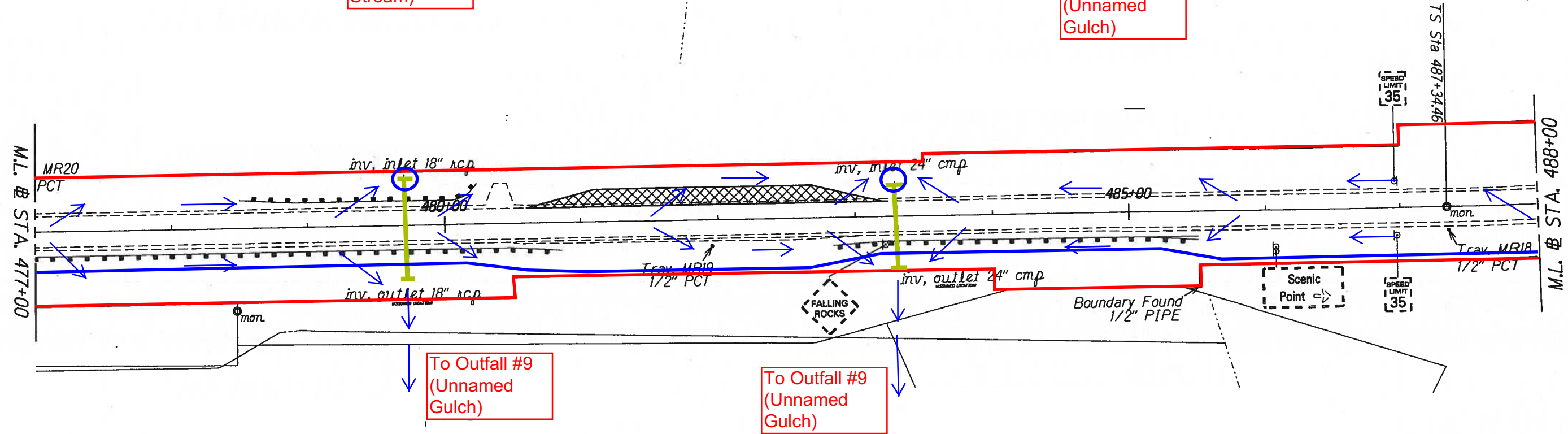
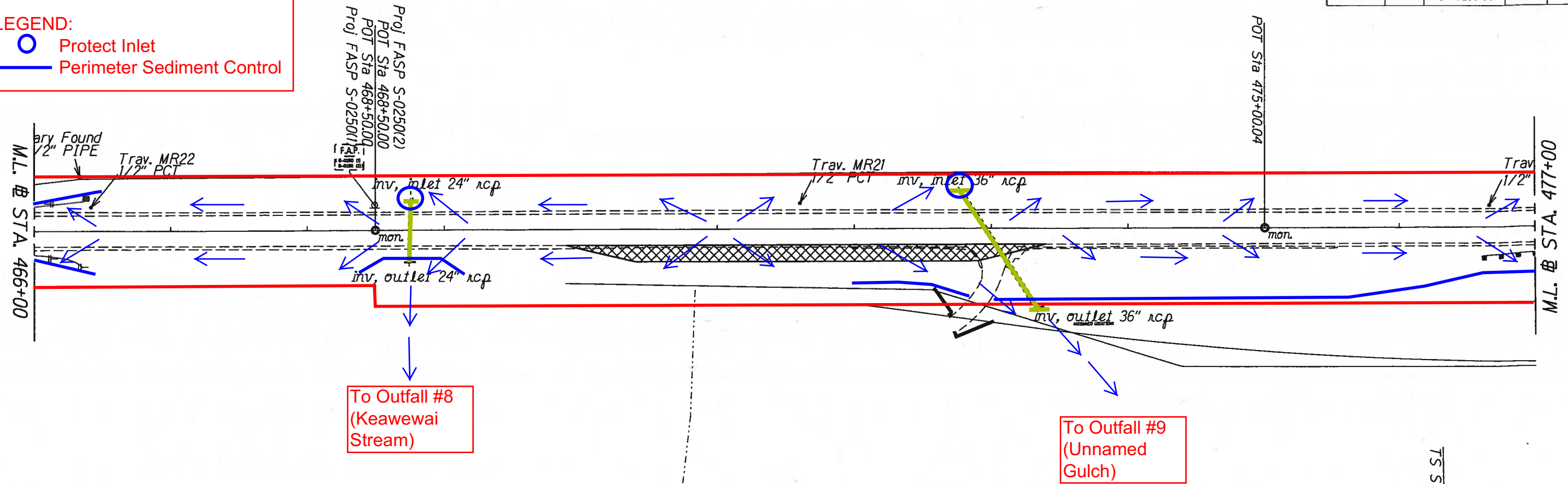
**BMP PLAN ROAD CONSTRUCTION**  
 Road Construction (Cold planing and resurfacing of existing pavement, construction of pavement shoulder pullouts, construction of grouted rubble paving structure, installation of centerline rumble strips, curve ahead signs, flashing beacons, chevrons, guardrails, pavement markings and signing, construction of grouted rubble paving structure, and hydro-mulch seeding.)

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**ROADWAY PLANS**  
 KOHALA MOUNTAIN ROAD  
 Safety Improvements  
 Federal Aid Project No. HSIP-0250(007)  
 Scale: 1" = 40' Date: March, 2017  
 SHEET No. 2 OF 6 SHEETS

|                   |      |
|-------------------|------|
| ORIGINAL PLAN     | DATE |
| SURVEY PLOTTED BY |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| NOTES BOOK        |      |
| NO.               |      |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

LEGEND:  
 Protect Inlet  
 Perimeter Sediment Control



**BMP PLAN ROAD CONSTRUCTION**  
Road Construction (Cold planing and resurfacing of existing pavement, construction of pavement shoulder pullouts, construction of grouted rubble paving structure, installation of centerline rumble strips, curve ahead signs, flashing beacons, chevrons, guardrails, pavement markings and signing, construction of grouted rubble paving structure, and hydro-mulch seeding.

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| CHECKED BY        |      |
| NOTED BY          |      |
| DATE              |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

ROADWAY PLANS

HOHALA MOUNTAIN ROAD

Safety Improvments

Federal Aid Project No. HSIP-0250(007)

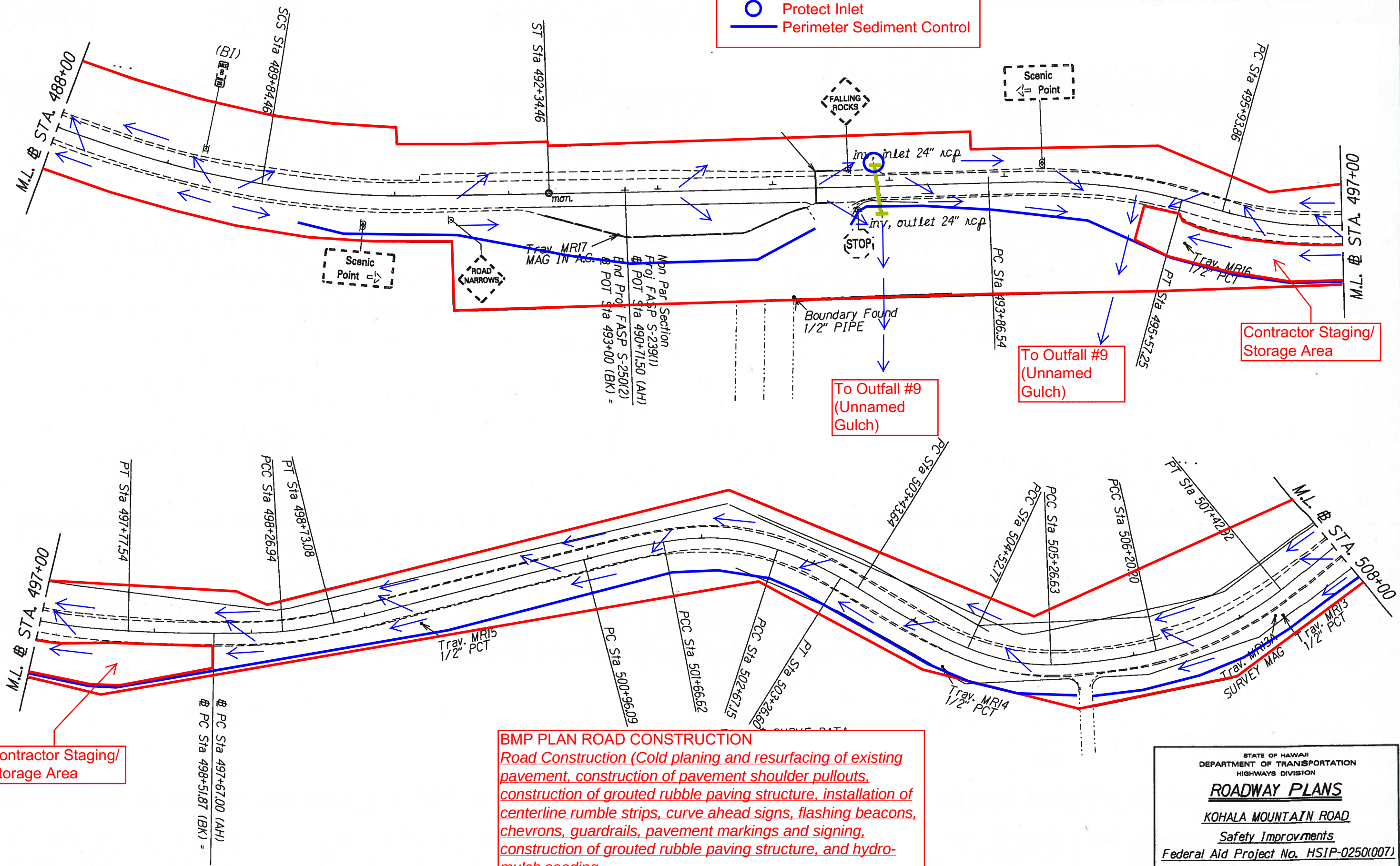
Scale: 1" = 40'

Date: January, 2013

SHEET No. 3 OF 6 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

**LEGEND:**  
 Protect Inlet  
 Perimeter Sediment Control



**BMP PLAN ROAD CONSTRUCTION**  
 Road Construction (Cold planing and resurfacing of existing pavement, construction of pavement shoulder pullouts, construction of grouted rubble paving structure, installation of centerline rumble strips, curve ahead signs, flashing beacons, chevrons, guardrails, pavement markings and signing, construction of grouted rubble paving structure, and hydro-mulch seeding.

Contractor Staging/Storage Area

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**ROADWAY PLANS**

**KOHALA MOUNTAIN ROAD**

**Safety Improvements**

Federal Aid Project No. HSIP-0250(007)

Scale: 1" = 40' Date: January, 2013

SHEET No. 4 OF 6 SHEETS

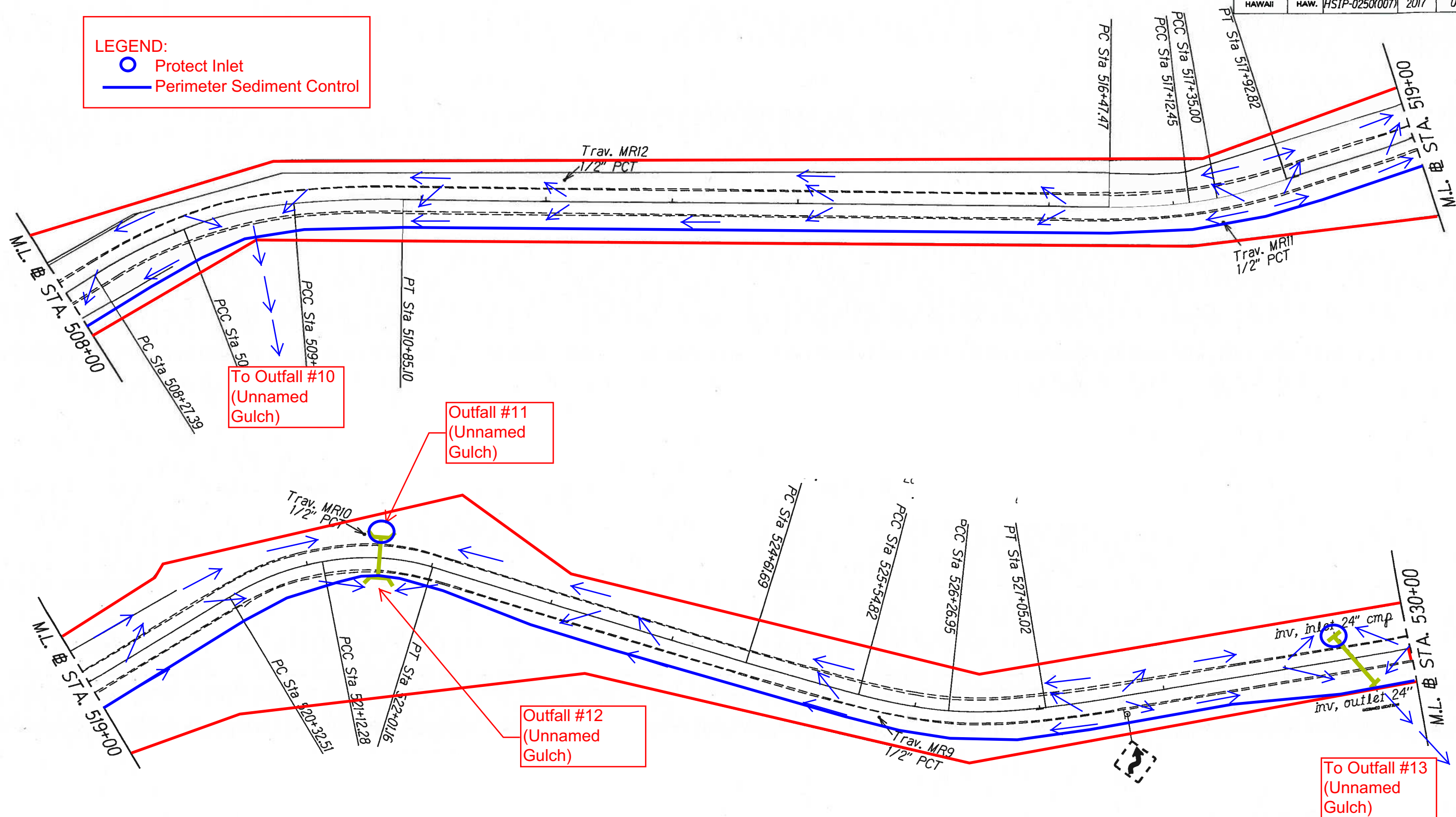
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|--------|---------------|----------|
| DATE   | BY            | REVISION |
| 1/1/13 | DESIGNED BY   | 1        |
| 1/1/13 | DRAWN BY      | 2        |
| 1/1/13 | CHECKED BY    | 3        |
| 1/1/13 | APPROVED BY   | 4        |
| 1/1/13 | NOTED BY      | 5        |
| 1/1/13 | ORIGINAL PLAN | 6        |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

LEGEND:

○ Protect Inlet

— Perimeter Sediment Control



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| N.                |      |

**BMP PLAN ROAD CONSTRUCTION**  
*Road Construction (Cold planing and resurfacing of existing pavement, construction of pavement shoulder pullouts, construction of grouted rubble paving structure, installation of centerline rumble strips, curve ahead signs, flashing beacons, chevrons, guardrails, pavement markings and signing, construction of grouted rubble paving structure, and hydro-mulch seeding.*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

ROADWAY PLANS

KOHALA MOUNTAIN ROAD

Safety Improvements

Federal Aid Project No. HSIP-0250(007)

Scale: 1" = 40'

Date: January, 2013

SHEET No. 5 OF 6 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-0250(007)     | 2017        | 0         | 0            |

LEGEND:

○

Protect Inlet

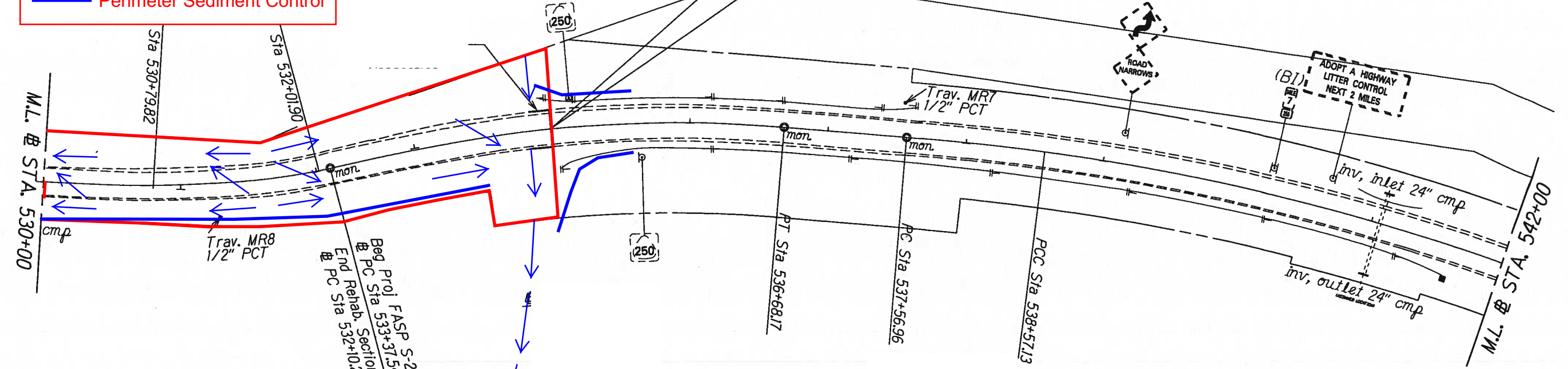
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Perimeter Sediment Control

END OF PROJECT

Project No. HSIP-0250(007)

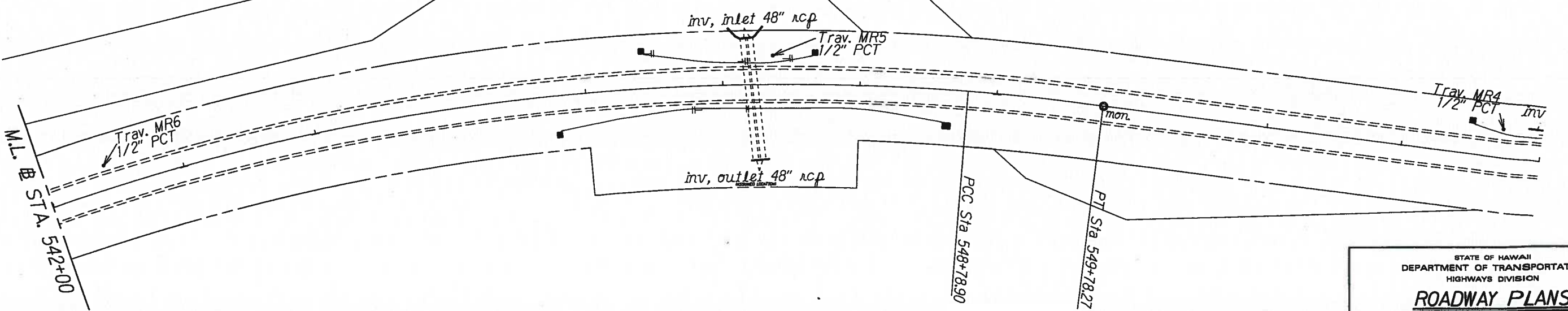
Sta. 535+00



To Outfall #13  
(Unnamed Gulch)

BMP PLAN ROAD CONSTRUCTION

Road Construction (Cold planing and resurfacing of existing pavement, construction of pavement shoulder pullouts, construction of grouted rubble paving structure, installation of centerline rumble strips, curve ahead signs, flashing beacons, chevrons, guardrails, pavement markings and signing, construction of grouted rubble paving structure, and hydro-mulch seeding.



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| CHECKED BY        |      |
| NOTES BOOK        |      |
| ORIGINAL PLAN     |      |

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

ROADWAY PLANS

KOHALA MOUNTAIN ROAD

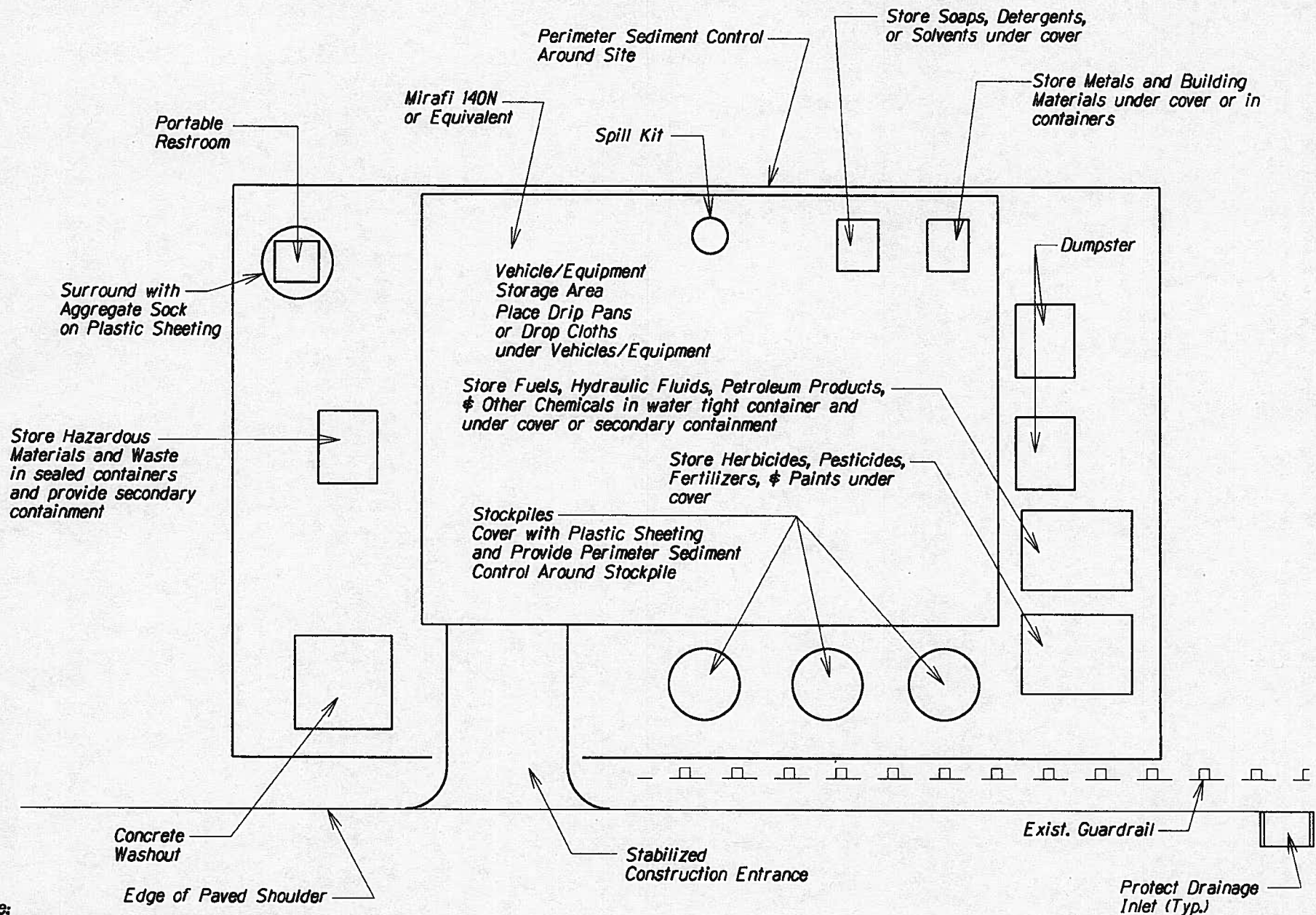
Safety Improvements

Federal Aid Project No. HSIP-0250(007)

Scale: 1" = 40'

Date: January, 2013

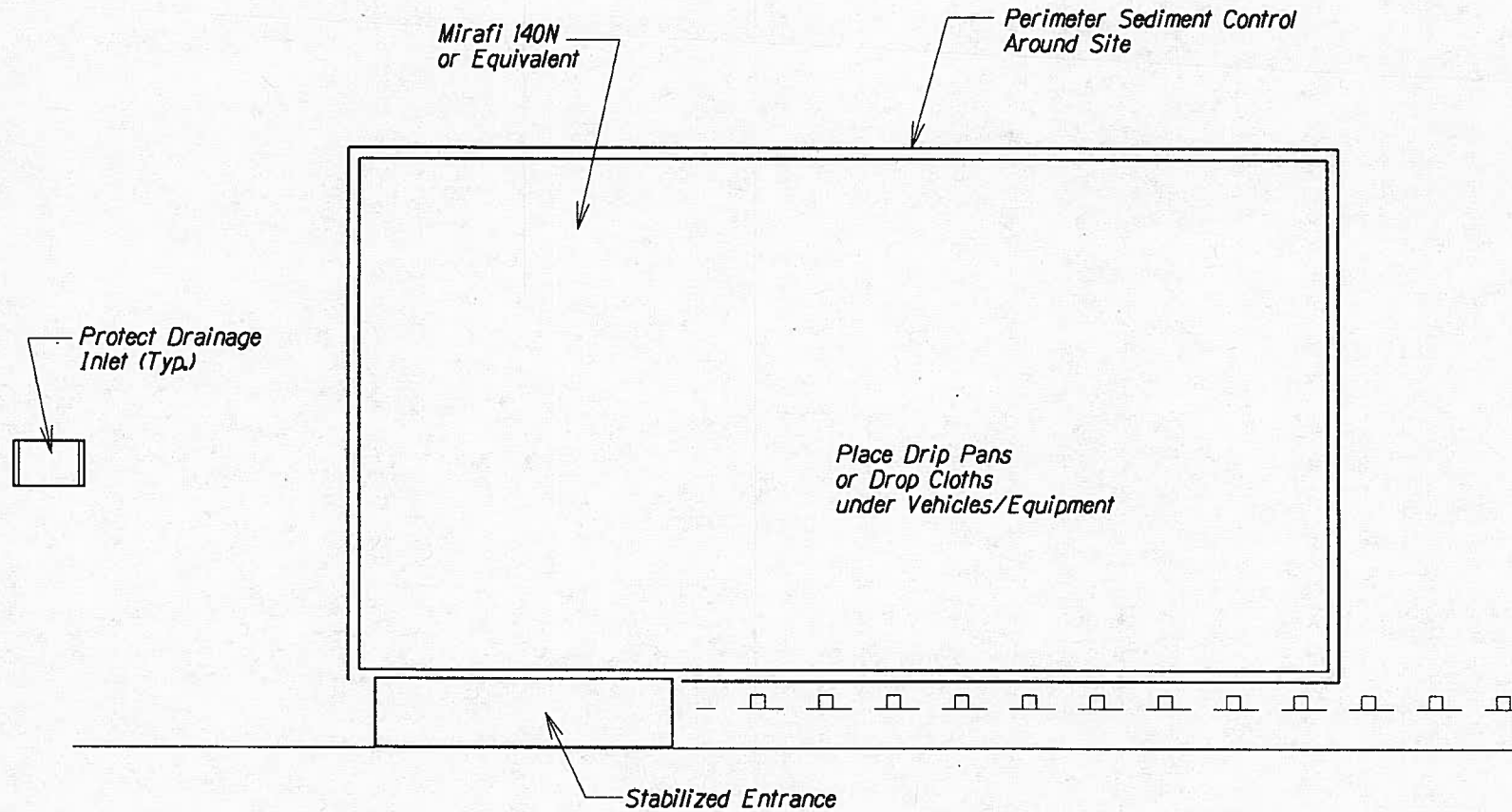
SHEET No. 6 OF 6 SHEETS



**Note:**

- 1) Restore area to equivalent of original condition once construction is completed.
- 2) Contractor shall ensure proper protection for Staging/Storage Area.
- 3) Do not maintain or wash vehicles on-site. Provide appropriate BMPs if Contractor elects to do so.

**STAGING/STORAGE AREA**  
**Not to Scale**



**Notes:**

- 1) Restore area to equivalent of original condition once construction is completed.
- 2) Contractor shall ensure proper protection for Equipment Storage Area.

**EQUIPMENT STORAGE AREA**  
**Not to Scale**