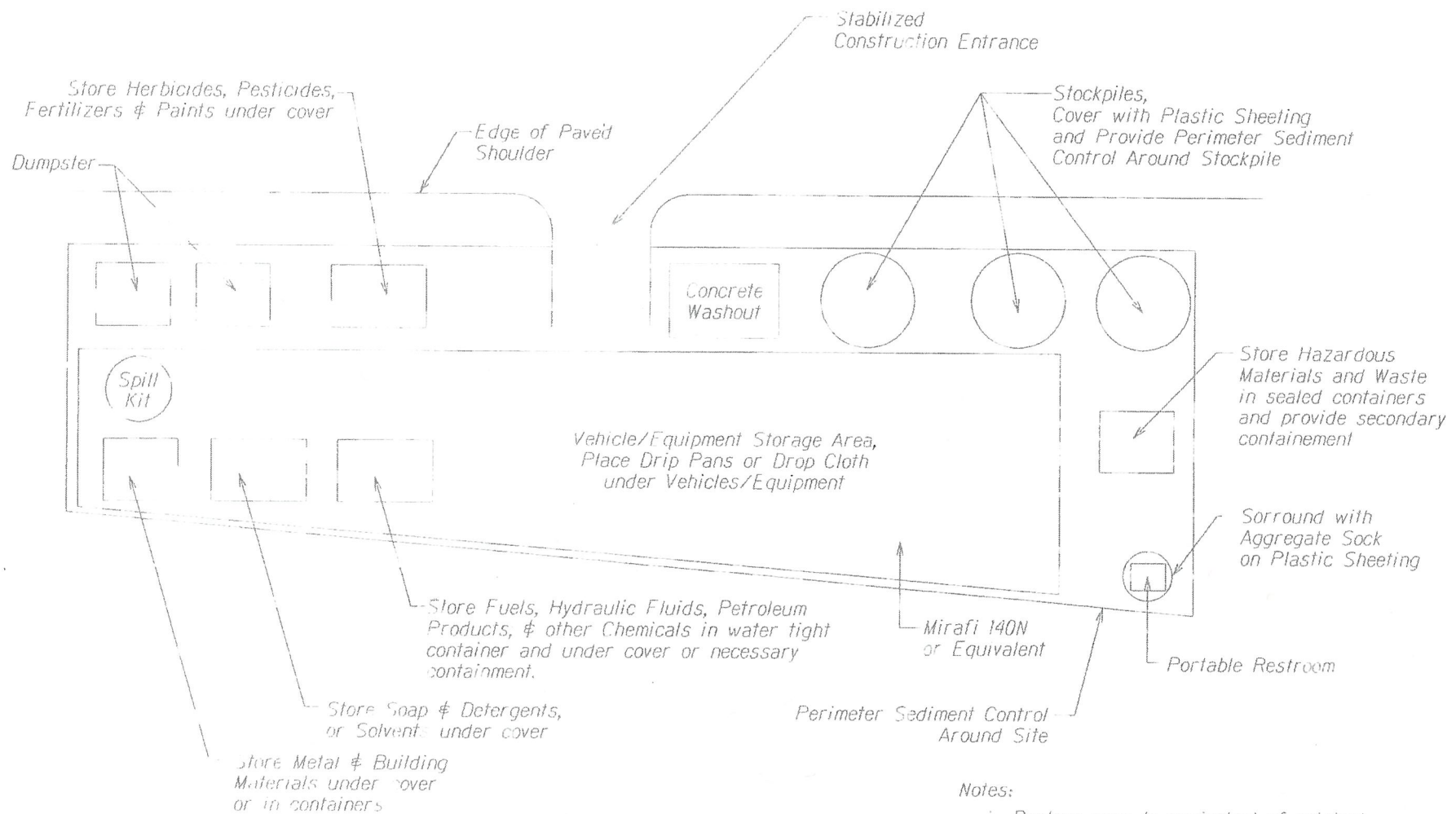


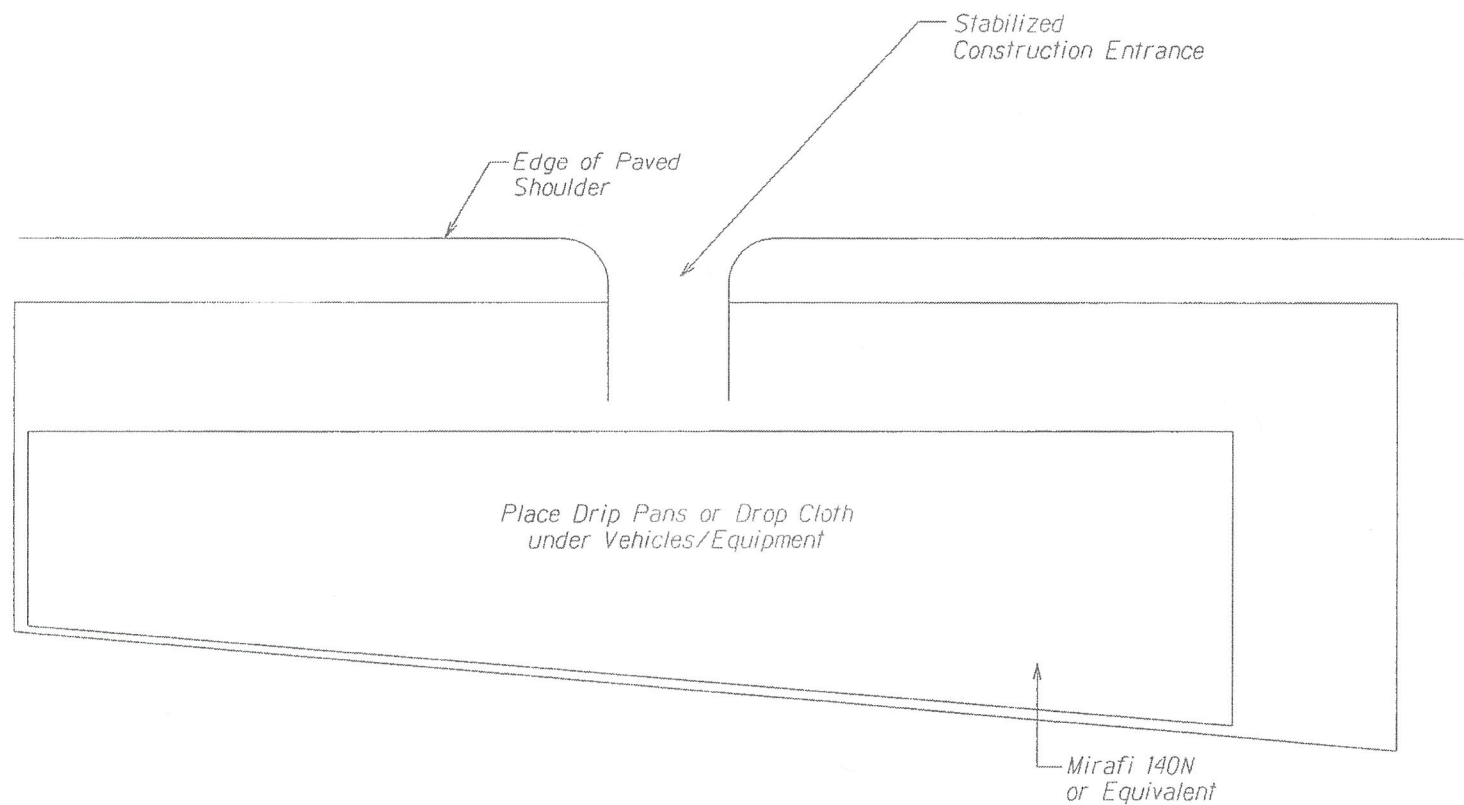
SWPPP Attacment A-1
BMP Maps



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 Staging/Storage Area.
3. Do not maintain or wash vehicles on site. Provide appropriate BMP's if Contractor elects to do so.

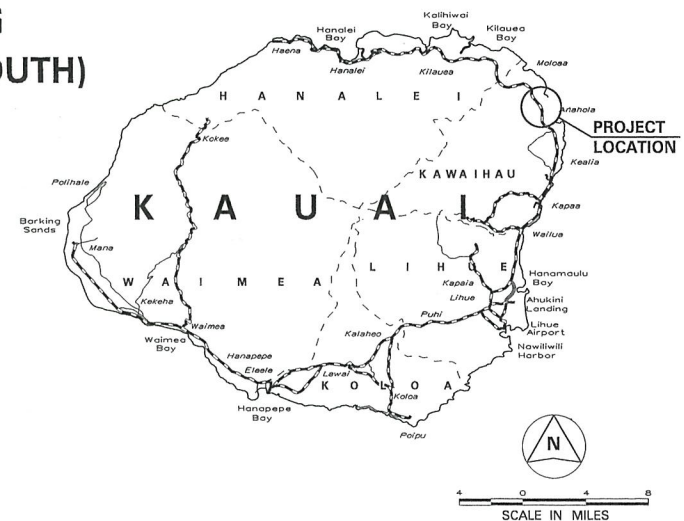
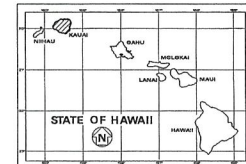
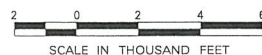


EQUIPMENT STORAGE AREA
Not to Scale

INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STANDARD PLANS SUMMARY
3	GENERAL NOTES & LEGEND
4 - 6	WATER POLLUTION AND EROSION CONTROL NOTES
7 - 9	TYPICAL SECTIONS
10 - 13	ROADWAY PLANS
14	PAVEMENT MARKING, NOTES, LEGEND, AND SIGN DETAILS
15	CENTERLINE MILLED RUMBLE STRIP DETAIL
16 - 19	PAVEMENT MARKING AND TRAFFIC SIGNING PLAN
20	SIGN DETAILS
21	HIGH SPEED UNDIVIDED HIGHWAY WORK ZONE SIGNING PLAN, NOTES & DETAILS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII
PLANS FOR
KUHIO HIGHWAY RESURFACING
PAPAA ROAD TO ALIOMANU ROAD (SOUTH)
PROJECT NO. 56C-01-15M
DISTRICT OF KAWAIIHAU
ISLAND OF KAUAI

LAYOUT PLAN

FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED
OR UNDER CONSTRUCTION

MILE POST 14.00 TO MILE POST 15.28

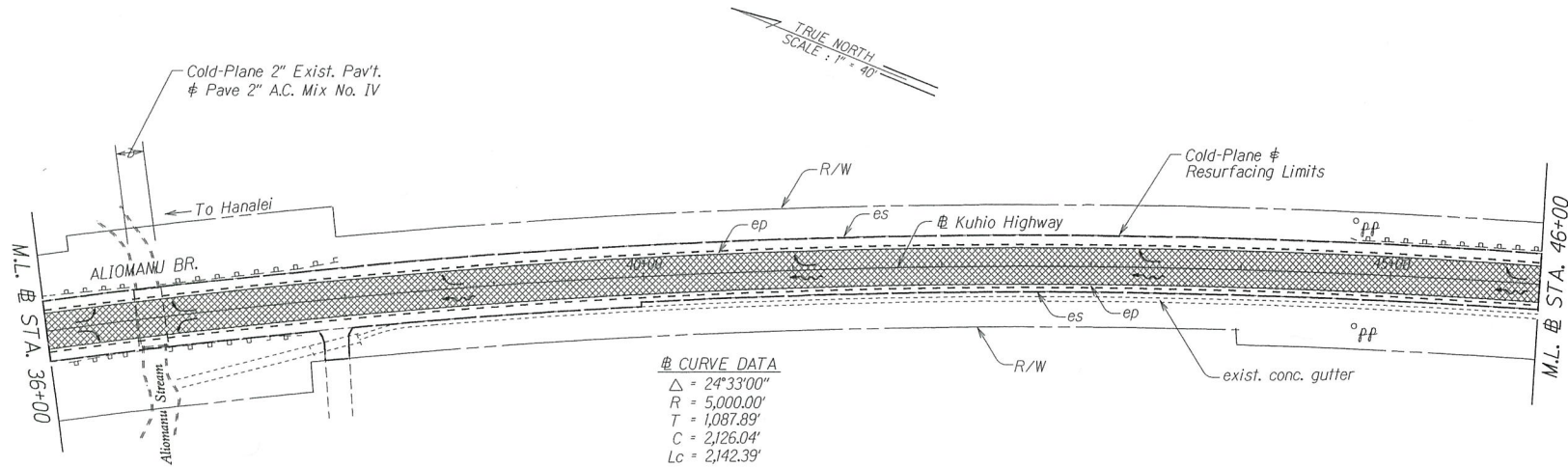
DEPARTMENT OF TRANSPORTATION STATE OF HAWAII	
APPROVED:	
_____ DIR. OF TRANSPORTATION	_____ DATE

[illegible]
$$\begin{aligned}\Delta &= 24^{\circ}33'00'' \\ R &= 5,000.00' \\ T &= 1,087.89' \\ C &= 2,126.04' \\ LC &= 2,142.39'\end{aligned}$$

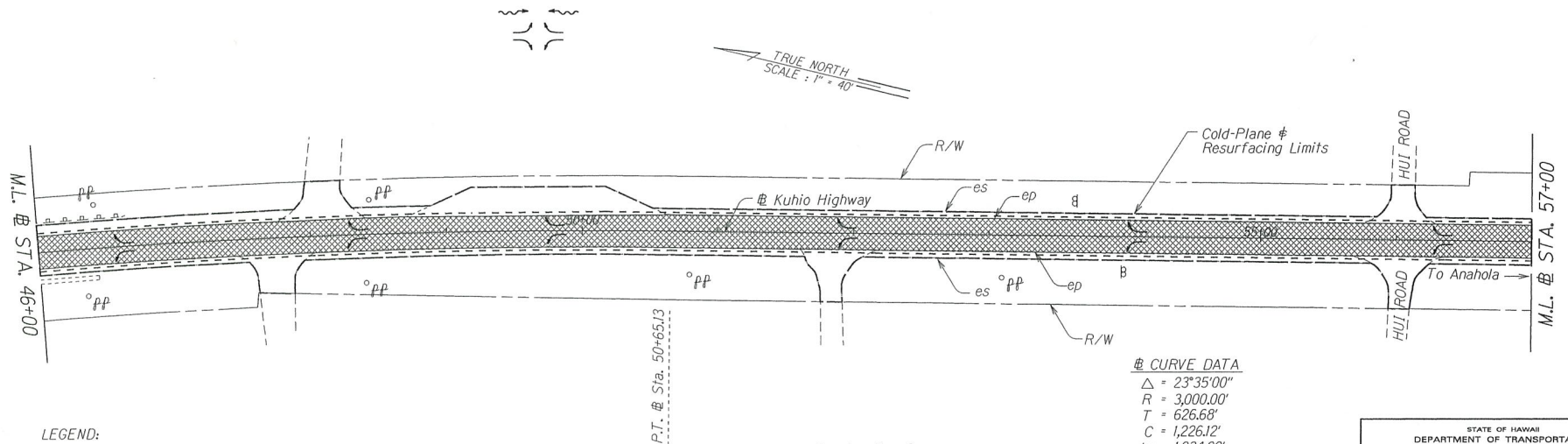
1. Install culvert protection.
2. Install perimeter sediment control.
3. Reconstruct weakened pavement areas.
4. Remove perimeter sediment control after reconstruct areas are established.
5. Remove all BMP's.

SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-15M	2017	10	12



⊕ CURVE DATA
 $\Delta = 24^{\circ}33'00''$
 $R = 5,000.00'$
 $T = 1,087.89'$
 $C = 2,126.04'$
 $L_c = 2,142.39'$



⊕ CURVE DATA
 $\Delta = 23^{\circ}35'00''$
 $R = 3,000.00'$
 $T = 626.68'$
 $C = 1,226.12'$
 $L_c = 1,234.82'$

LEGEND:

- Pavement Reconstruction (weakened pavement area)
- Sediment Control Devices

Construction Sequence:

1. Install culvert protection.
2. Install perimeter sediment control.
3. Reconstruct weakened pavement areas.
4. Remove perimeter sediment control after reconstruct areas are established.
5. Remove all BMP's.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN

KUHIO HIGHWAY RESURFACING

Papaa Road to Aliomanu Road (South)

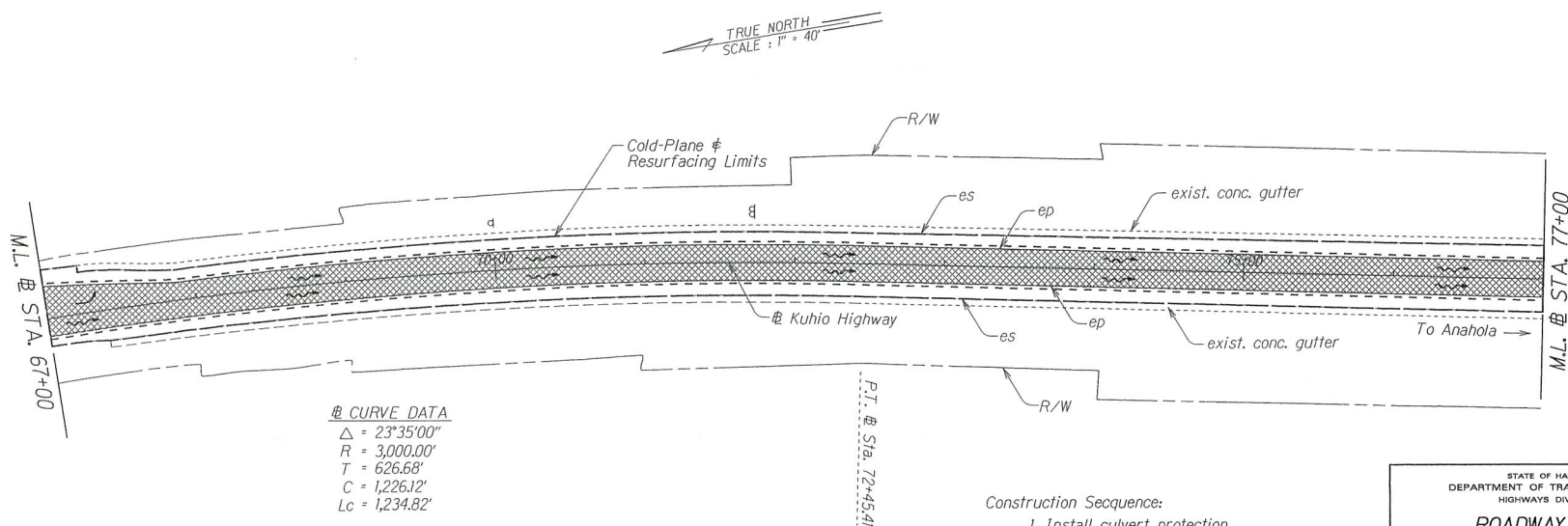
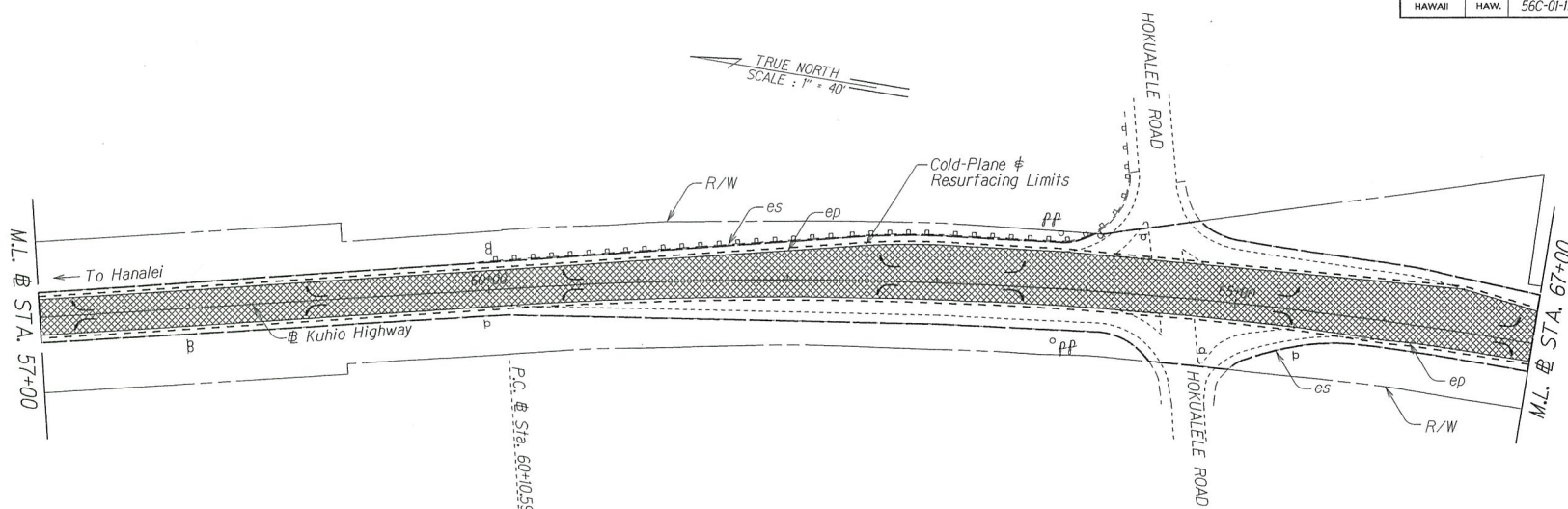
Project No. 56C-01-15M

Scale: 1" = 40' Date: August 2016

SHEET No. 2 OF 4 SHEETS

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
APPROVED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-15M	2017	11	12



CURVE DATA
 $\Delta = 23^{\circ}35'00''$
 $R = 3,000.00'$
 $T = 626.68'$
 $C = 1,226.12'$
 $L_c = 1,234.82'$

LEGEND:

- Pavement Reconstruction (weakened pavement area)
- Sediment Control Devices

Construction Sequence:

1. Install culvert protection.
2. Install perimeter sediment control.
3. Reconstruct weakened pavement areas.
4. Remove perimeter sediment control after reconstruct areas are established.
5. Remove all BMP's.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN

KUHIO HIGHWAY RESURFACING

Papaa Road to Aliimanu Road (South)

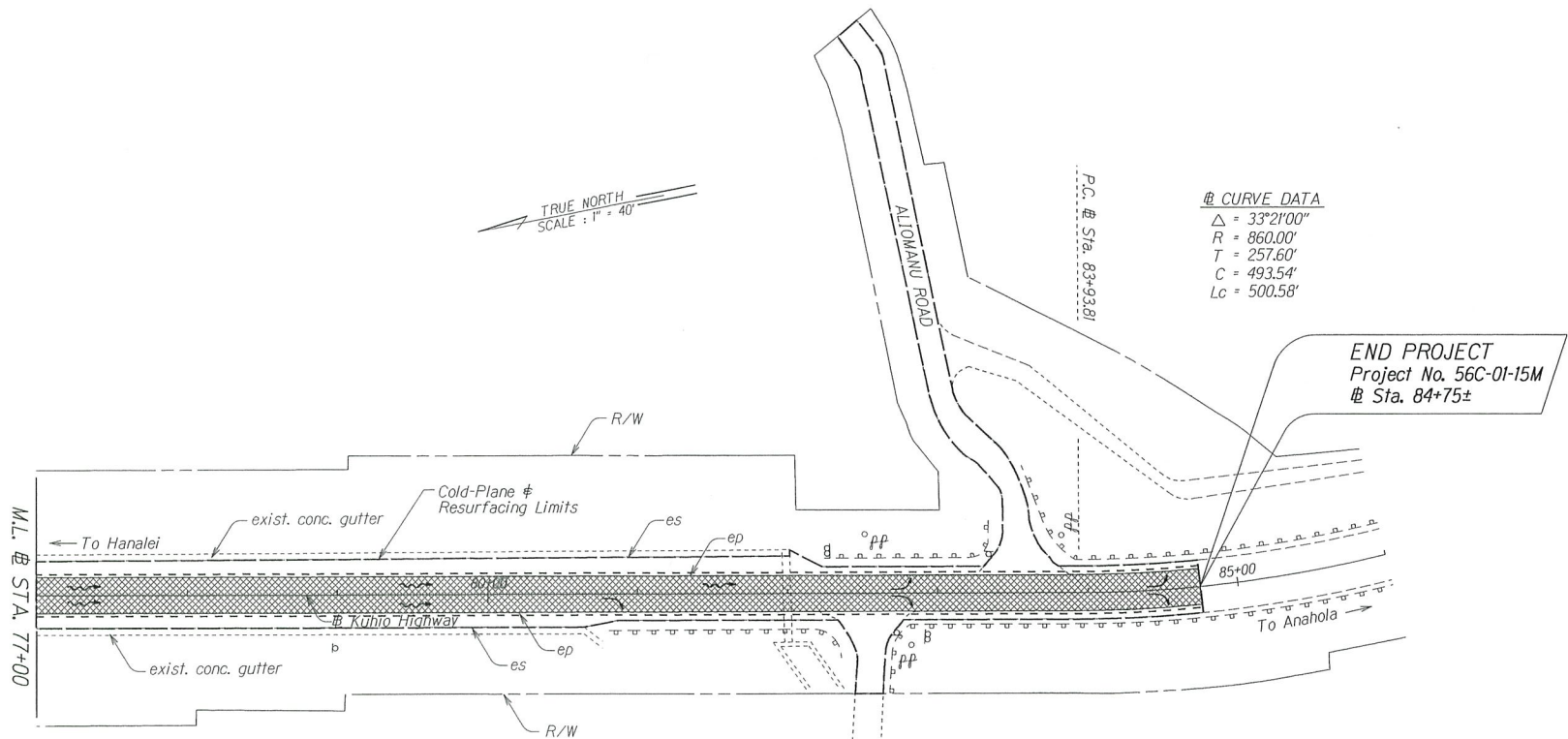
Project No. 56C-01-15M

Scale: 1" = 40' Date: August 2016

SHEET No. 3 OF 4 SHEETS

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
APPROVED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-15M	2017	12	12



LEGEND:

- Pavement Reconstruction (weakened pavement area)
- Sediment Control Devices

Construction Sequence:

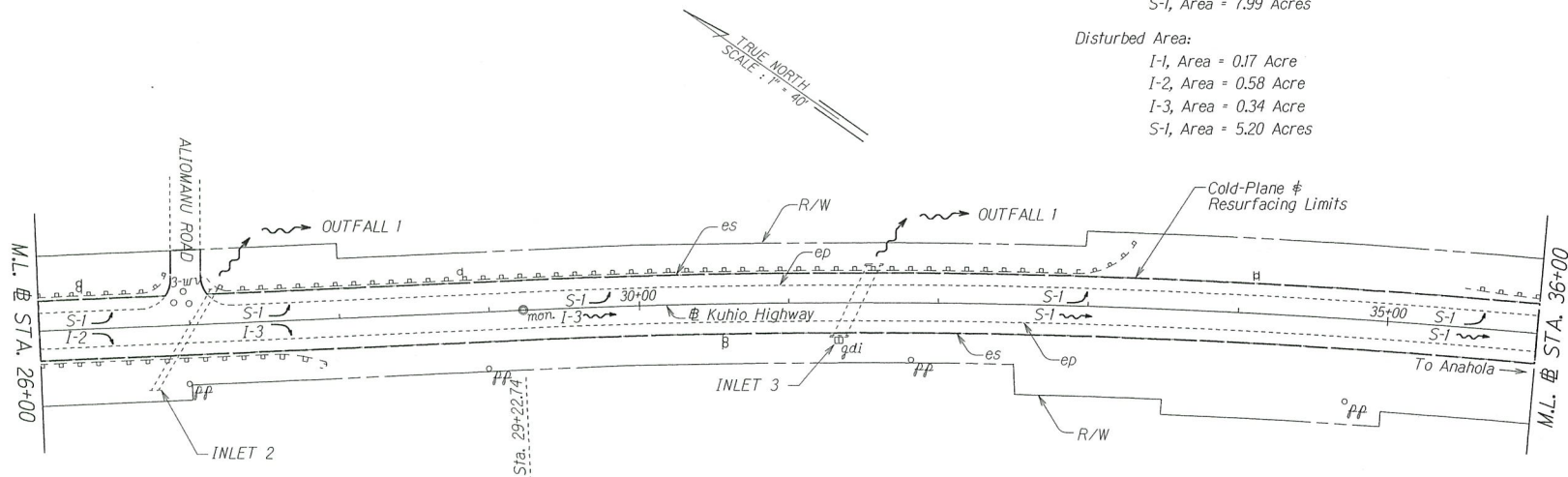
1. Install culvert protection.
2. Install perimeter sediment control.
3. Reconstruct weakened pavement areas.
4. Remove perimeter sediment control after reconstruct areas are established.
5. Remove all BMP's.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
KUHO HIGHWAY RESURFACING	
Papaa Road to Aliomanu Road (South)	
Project No. 56C-01-15M	
Scale: 1" = 40'	Date: August 2016
SHEET No. 4 OF 4 SHEETS	

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
APPROVED BY	
NOTED BY	
REVISIONS	
NO.	DESCRIPTION

I-1, Area = 0.26 Acre
I-2, Area = 0.89 Acre
I-3, Area = 0.52 Acre
S-1, Area = 7.99 Acres

I-1, Area = 0.17 Acre
I-2, Area = 0.58 Acre
I-3, Area = 0.34 Acre
S-1, Area = 5.20 Acres


$$\begin{aligned}\Delta &= 24^{\circ}33'00'' \\ R &= 5,000.00' \\ T &= 1,087.89' \\ C &= 2,126.04' \\ Lc &= 2,142.39'\end{aligned}$$

I-1 – Surface runoff to Inlet 1 to Outfall 1 (Aliomanu Stream)
I-2 – Surface runoff to Inlet 2 to Outfall 1 (Aliomanu Stream)
I-3 – Surface runoff to Inlet 3 to Outfall 1 (Aliomanu Stream)
S-1 – Surface runoff to Outfall 1 (Aliomanu Stream)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KUHIO HIGHWAY RESURFACING

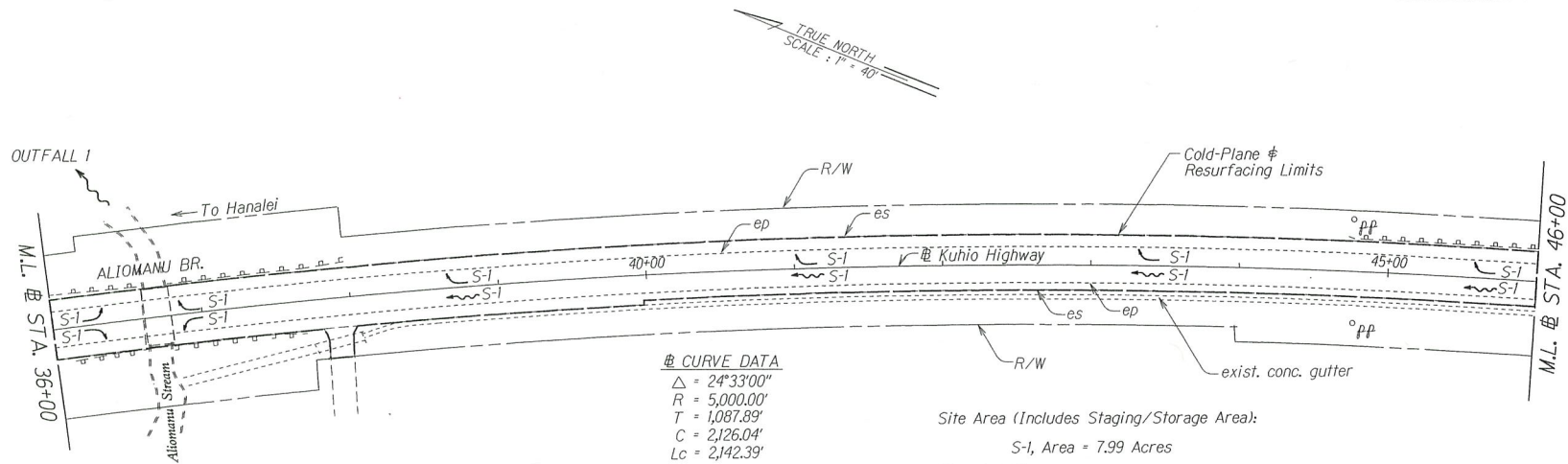
Papaa Road to Aliimanu Road (South)

Project No. 56C-01-15M

Scale: 1" = 40' Date: August 2016

SHEET NO. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-15M	2017	2	4



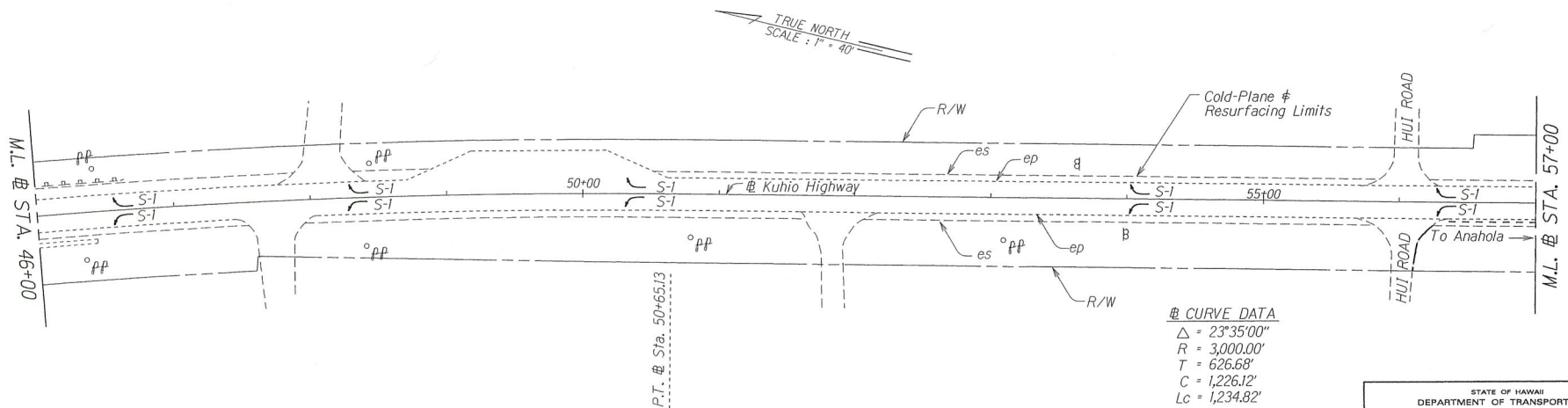
④ CURVE DATA
 $\Delta = 24^\circ 33' 00''$
 $R = 5,000.00'$
 $T = 1,087.89'$
 $C = 2,126.04'$
 $L_c = 2,142.39'$

Site Area (Includes Staging/Storage Area):

S-1, Area = 7.99 Acres

Disturbed Area:

S-1, Area = 5.20 Acres



④ CURVE DATA
 $\Delta = 23^\circ 35' 00''$
 $R = 3,000.00'$
 $T = 626.68'$
 $C = 1,226.12'$
 $L_c = 1,234.82'$

Notes:

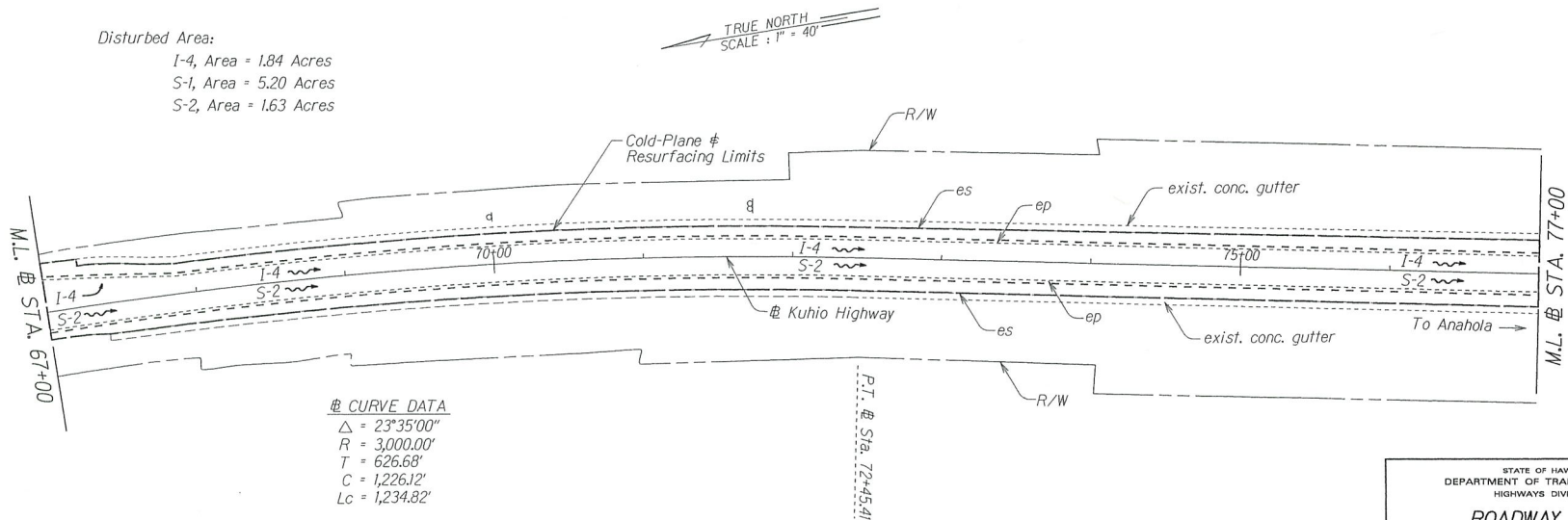
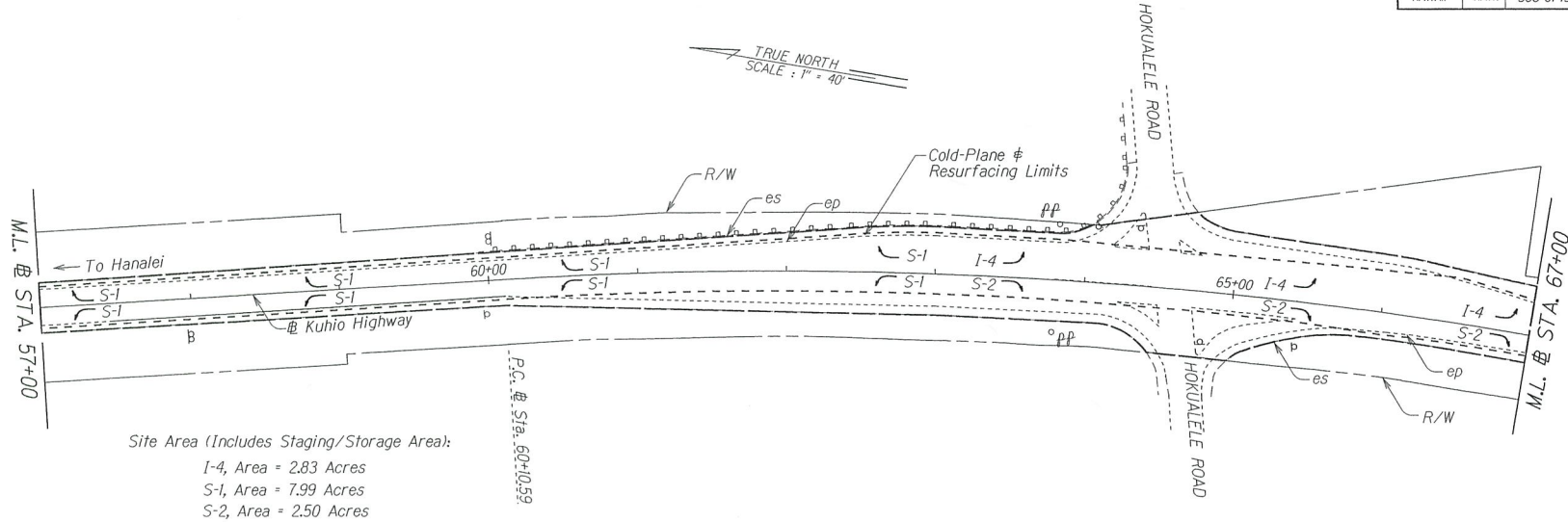
S-1 — Surface runoff to Outfall 1 (Aliomanu Stream)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KUHIO HIGHWAY RESURFACING
Papaa Road to Aliomanu Road (South)
Project No. 56C-01-15M
Scale: 1" = 40' Date: August 2016
SHEET No. 2 OF 4 SHEETS

DESIGNED BY	DATE
CHECKED BY	
APPROVED BY	
NOTED BY	
REVISIONS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-15M	2017	3	4



Notes:

- I-4 - Surface runoff to Inlet 4 to Outfall 2 (Anahola Stream)
- S-1 - Surface runoff to Outfall 1 (Aliomanu Stream)
- S-2 - Surface runoff to Outfall 2 (Anahola Stream)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KUHIO HIGHWAY RESURFACING

Papaa Road to Aliomanu Road (South)

Project No. 56C-01-15M

Scale: 1" = 40' Date: August 2016

SHEET No. 3 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-15M	2017	4	4

Site Area (Includes Staging/Storage Area):

I-4, Area = 2.83 Acres
S-2, Area = 2.50 Acres
S-3, Area = 1.61 Acres

Disturbed Area:

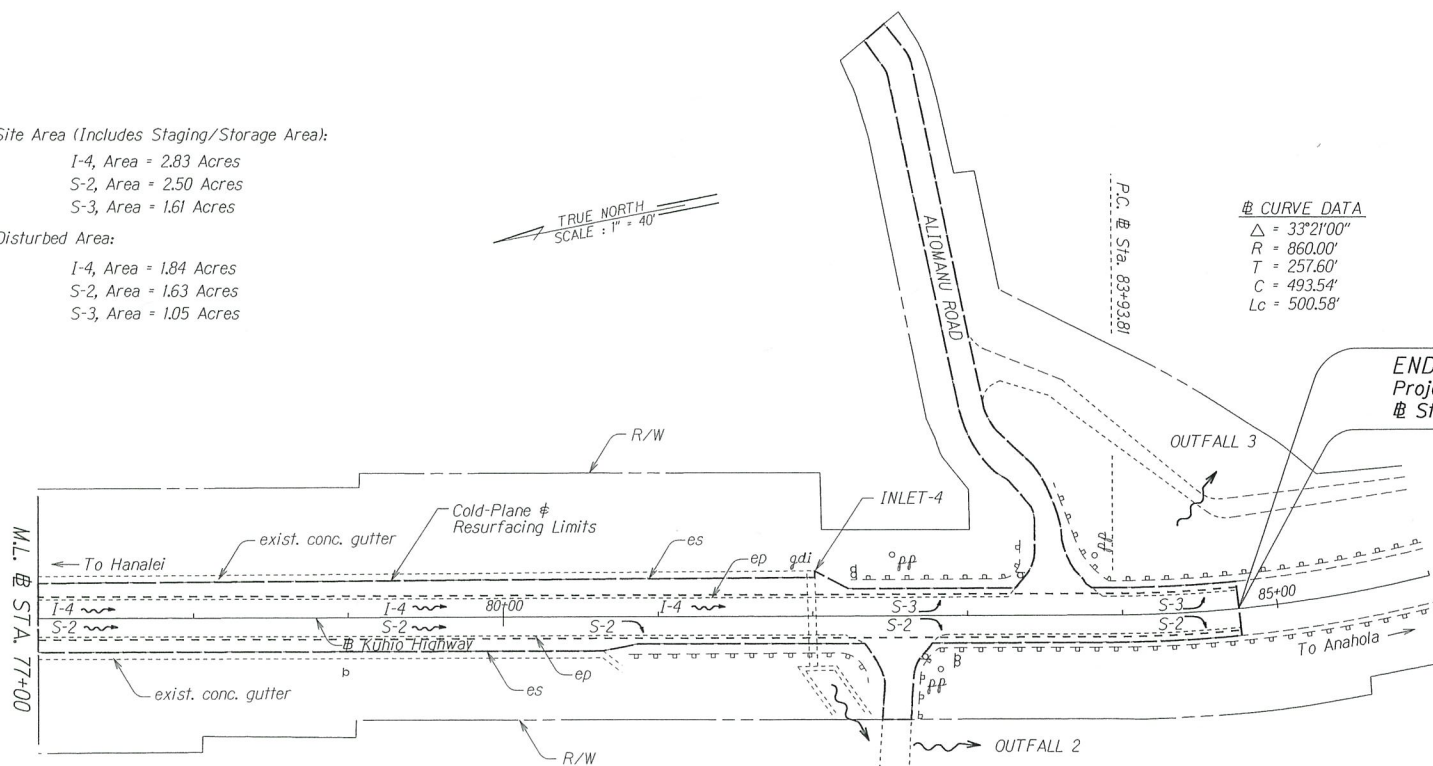
I-4, Area = 1.84 Acres
S-2, Area = 1.63 Acres
S-3, Area = 1.05 Acres

TRUE NORTH
SCALE: 1" = 40'

② CURVE DATA

$\Delta = 33^{\circ}21'00''$
R = 860.00'
T = 257.60'
C = 493.54'
Lc = 500.58'

END PROJECT
Project No. 56C-01-15M
② Sta. 84+75±



Notes:

- I-4 - Surface runoff to Inlet 4 to Outfall 2 (Anahola Stream)
- S-2 - Surface runoff to Outfall 2 (Anahola Stream)
- S-3 - Surface runoff to Outfall 3 (Anahola Stream)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KUHIŌ HIGHWAY RESURFACING
Papāa Road to Aliomanu Road (South)
Project No. 56C-01-15M

Scale: 1" = 40' Date: August 2016

SHEET No. 4 OF 4 SHEETS

ORIGINAL	DESIGNED BY	DATE
PLACED	TRACED BY	
NOTED	CHECKED BY	
IN	APPROVED	