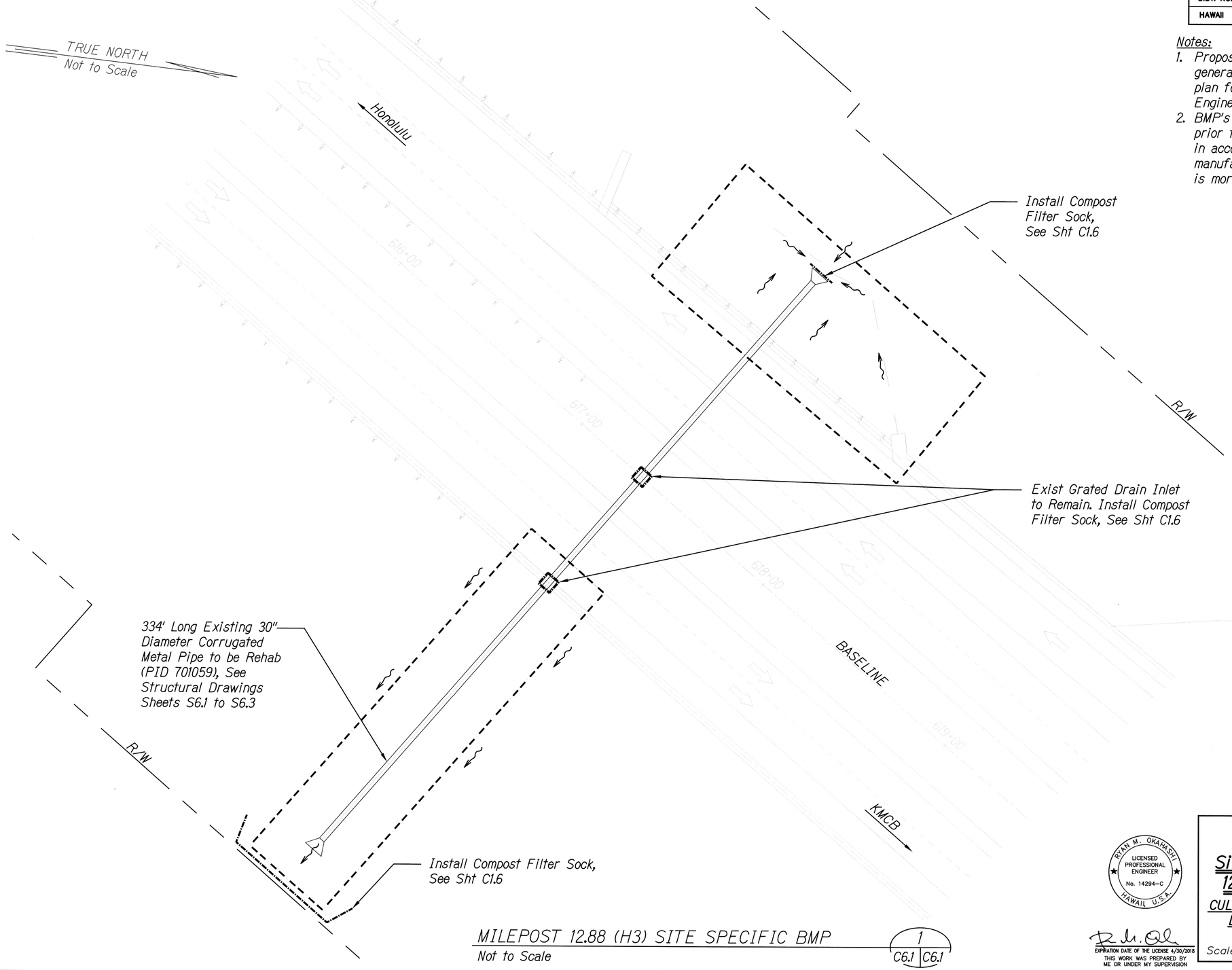
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-18	2018	43	93

Notes:

1. Proposed BMP plan is provided to show general intent. Contractor shall submit BMP plan for review and approval by the Engineer prior to performing the work.
2. BMP's shall be in place and functional prior to the start of construction work and in accordance with sheet C1.6 and manufacturer's recommendations, whichever is more stringent.



MILEPOST 12.88 (H3) SITE SPECIFIC BMP
Not to Scale

1
C6.1 | C6.1

RYAN M. OKAHASHI
LICENSED PROFESSIONAL ENGINEER
No. 14294-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2018
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Site Specific BMP, Milepost 12.88 (H3) PID No. 701059

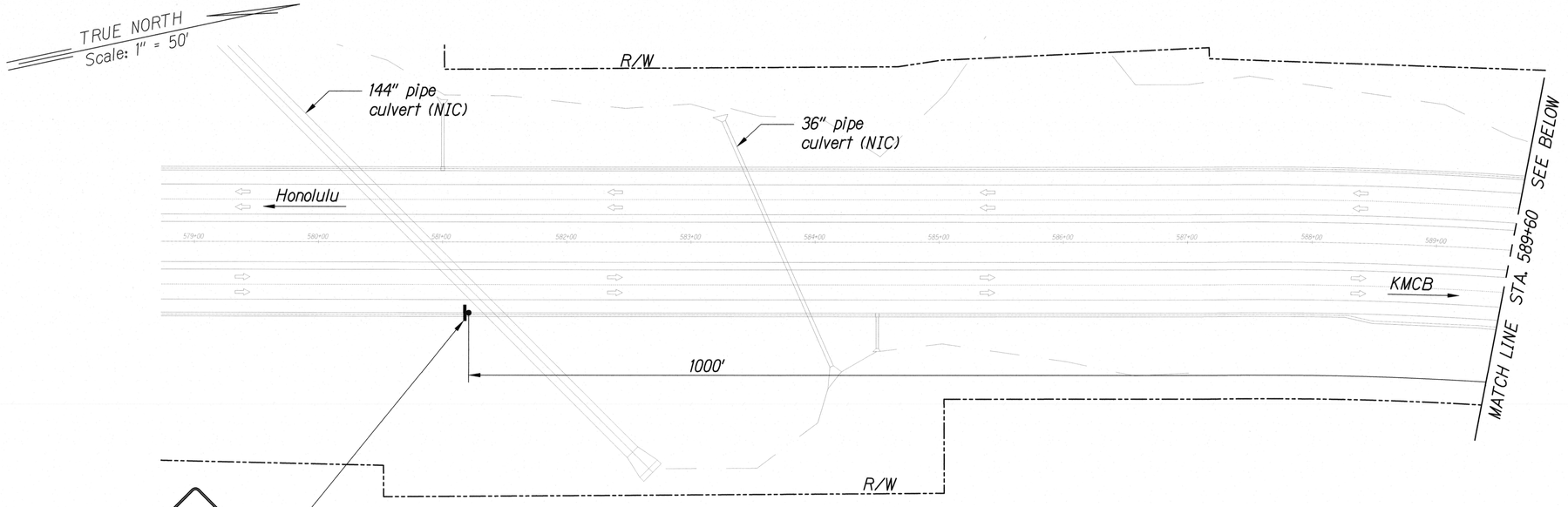
CULVERT REMEDIATION AT VARIOUS LOCATIONS ON OAHU, PHASE 2

Project No. HWY-0-03-18

Scale: As Shown Date: March 2018

SHEET No. C6.1 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-18	2018	44	93

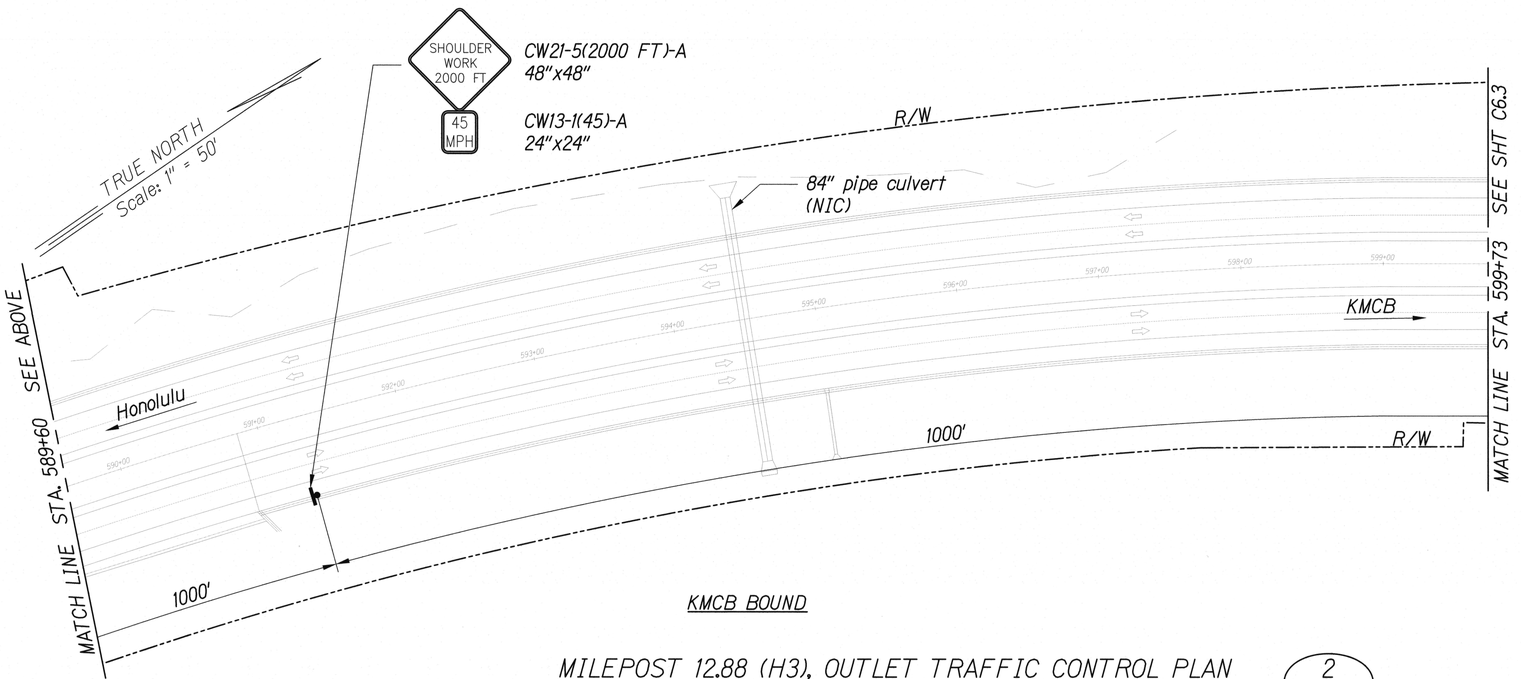


KMCB BOUND

MILEPOST 12.88 (H3), OUTLET TRAFFIC CONTROL PLAN

Scale: 1" = 50'

1 | C6.2 | C6.2



KMCB BOUND

MILEPOST 12.88 (H3), OUTLET TRAFFIC CONTROL PLAN

Scale: 1" = 50'

2 | C6.2 | C6.2

Notes:

1. Work areas shown here are approximate. Contractor shall submit a traffic control plan reflecting the proposed work areas to the Engineer for review and approval prior to starting construction.

0 50 100 150

Scale: 1" = 50' Feet

RYAN M. OKAHASHI
LICENSED PROFESSIONAL ENGINEER
No. 14294-C
HAWAII U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2018
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Traffic Control Plan-01, Milepost 12.88 (H3) PID No. 701059

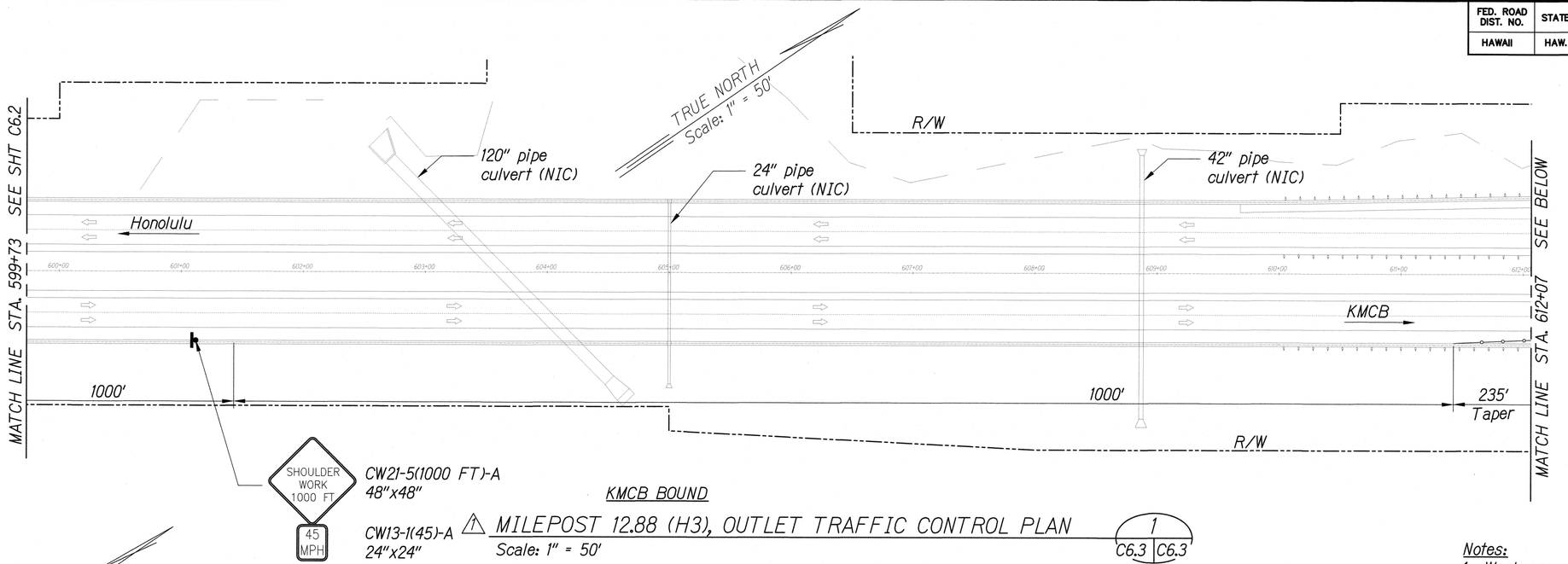
CULVERT REMEDIATION AT VARIOUS LOCATIONS ON OAHU, PHASE 2

Project No. HWY-0-03-18

Scale: As Shown Date: March 2018

SHEET No. C6.2 OF 9 SHEETS

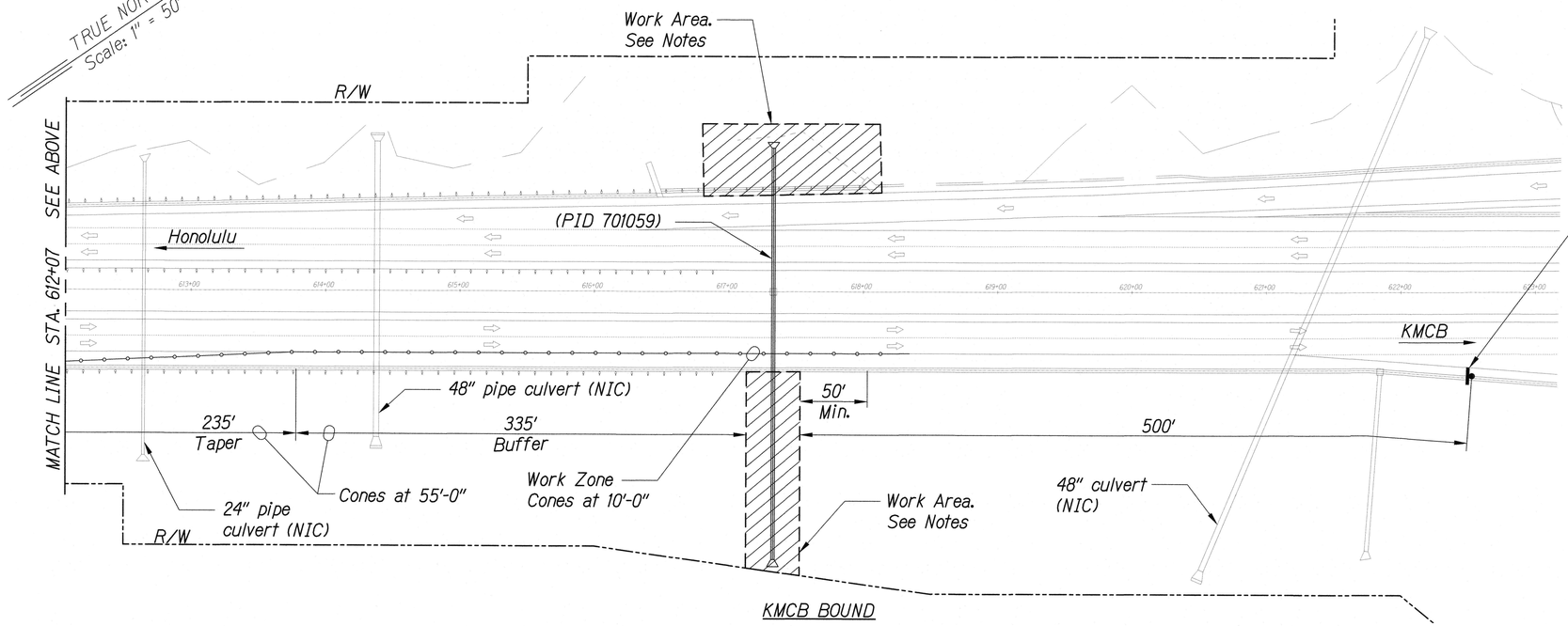
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-18	2018	ADD. 45	93



KMCB BOUND

⚠1 MILEPOST 12.88 (H3), OUTLET TRAFFIC CONTROL PLAN (1 / C6.3 | C6.3)

Scale: 1" = 50'



KMCB BOUND

⚠ MILEPOST 12.88 (H3), OUTLET TRAFFIC CONTROL PLAN (2 / C6.3 | C6.3)

Scale: 1" = 50'

Notes:

1. Work areas shown here are approximate. Contractor shall submit a traffic control plan reflecting the proposed work areas to the Engineer for review and approval prior to starting construction.

Note:
See Traffic Control Notes and Table on Sheet C1.7

0 50 100 150 Feet

Scale: 1" = 50'

DATE	REVISION
5/30/18	⚠1 Revised Date, R/W, and Work Area.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Traffic Control Plan-02, Milepost 12.88 (H3) PID No. 701059

CULVERT REMEDIATION AT VARIOUS LOCATIONS ON OAHU, PHASE 2

Project No. HWY-0-03-18 ⚠1

Scale: As Shown Date: May 2018

RYAN M. OKAHASHI LICENSED PROFESSIONAL ENGINEER No. 14294-C HAWAII, U.S.A.

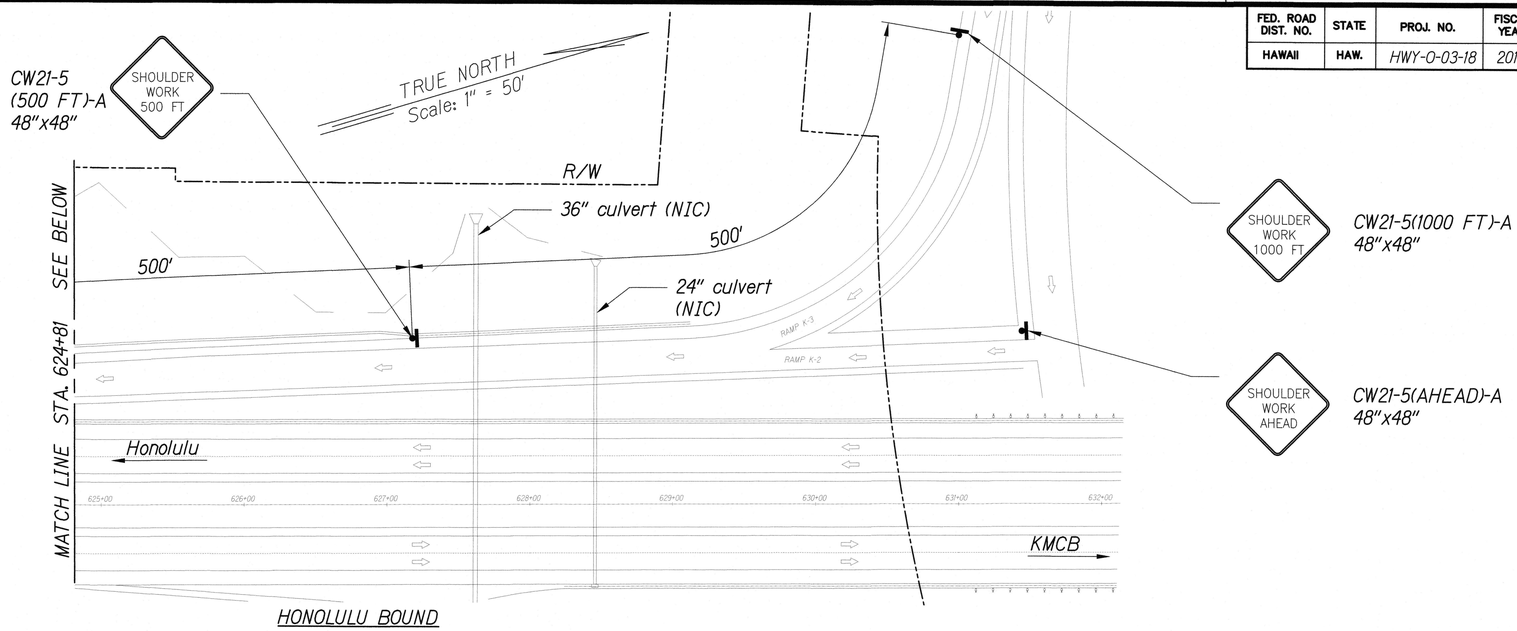
EXPIRATION DATE OF THE LICENSE 4/30/2020
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SHEET No. C6.3 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-18	2018	ADD. 46	93

Note:
1. Work areas shown here are approximate. Contractor shall submit a traffic control plan reflecting the proposed work areas to the Engineer for review and approval prior to starting construction.

Note:
See Traffic Control Notes and Table on Sheet C1.7

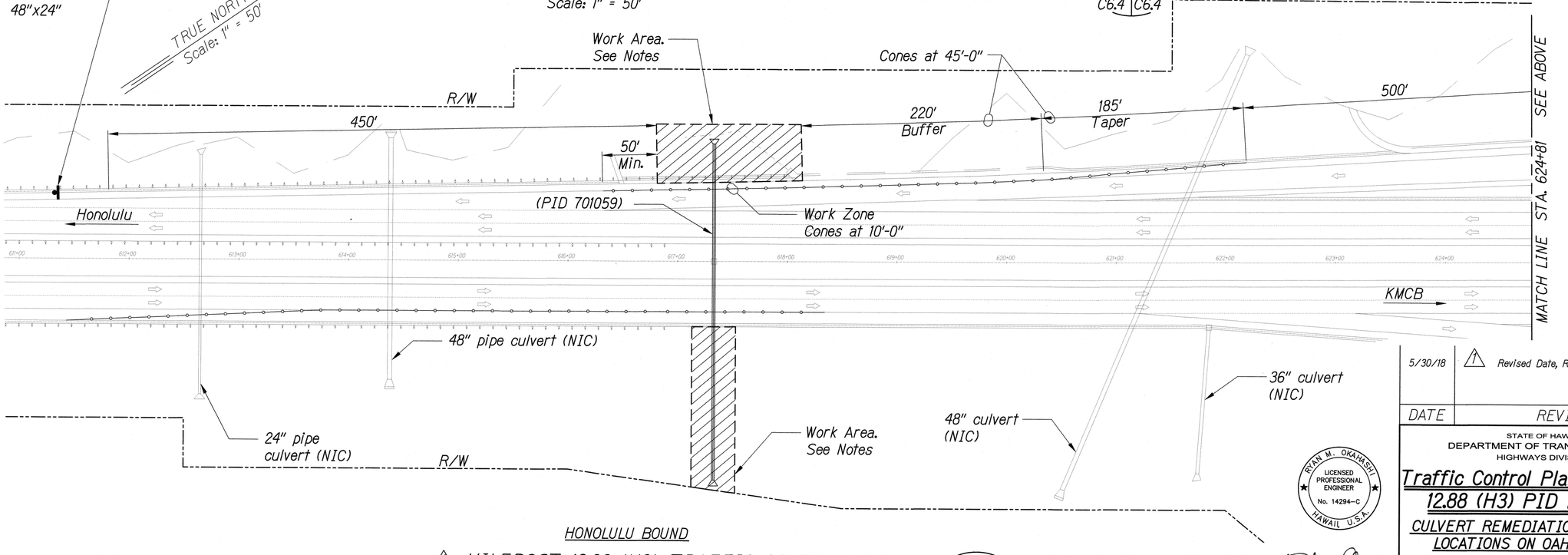


HONOLULU BOUND

MILEPOST 12.88 (H3), INLET TRAFFIC CONTROL PLAN

Scale: 1" = 50'

1 C6.4 | C6.4



HONOLULU BOUND

⚠ MILEPOST 12.88 (H3), TRAFFIC CONTROL PLAN

Scale: 1" = 50'

2 C6.4 | C6.4

0 50 100 150
Scale: 1" = 50' Feet

RYAN M. OKAHASHI
LICENSED PROFESSIONAL ENGINEER
No. 14294-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2020
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DATE	REVISION
5/30/18	⚠1 Revised Date, R/W, and Work Area.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Traffic Control Plan-03, Milepost 12.88 (H3) PID No. 701059

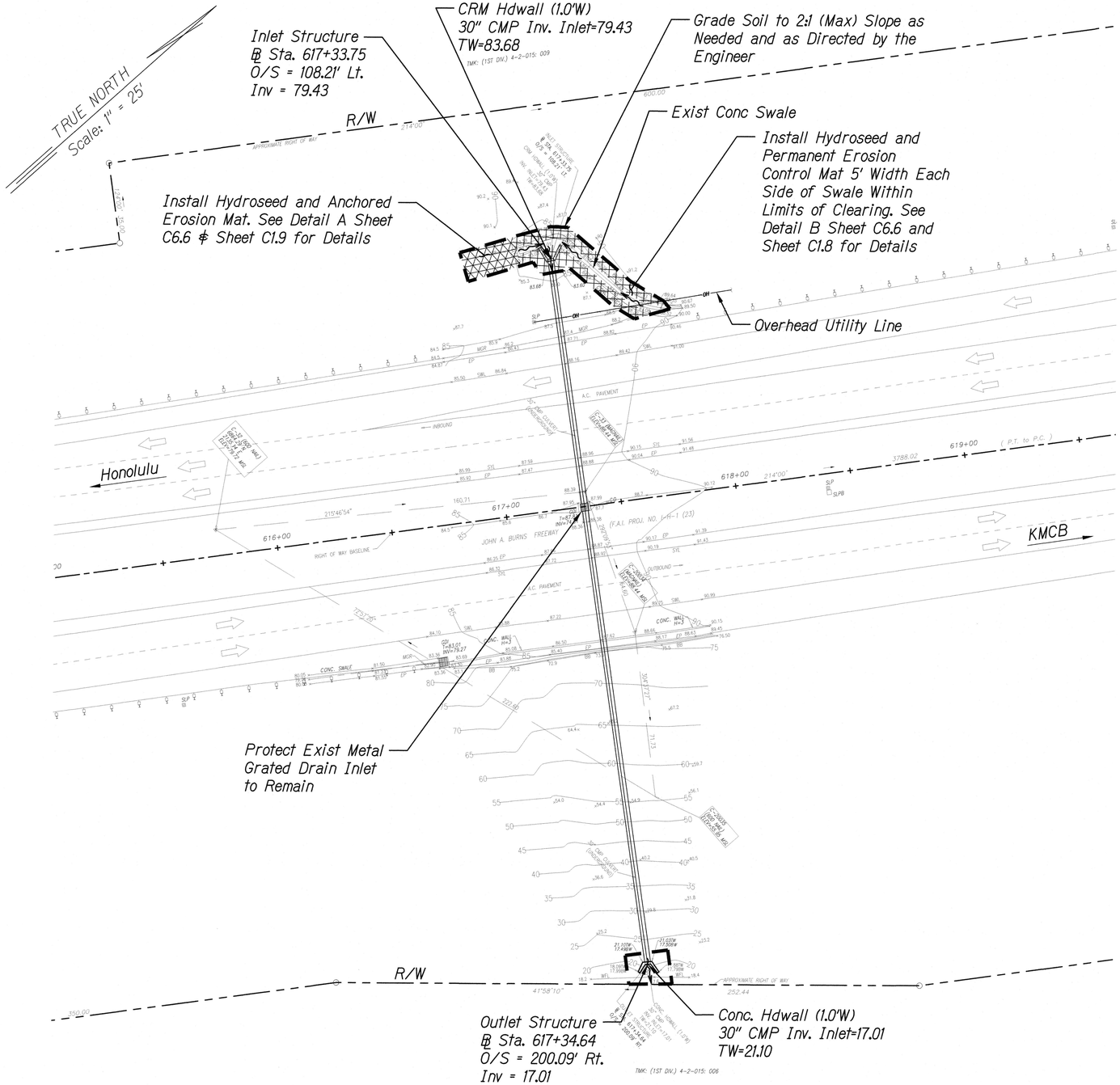
CULVERT REMEDIATION AT VARIOUS LOCATIONS ON OAHU, PHASE 2
Project No. HWY-0-03-18 ⚠1

Scale: As Shown Date: May 2018

SHEET No. C6.4 OF 9 SHEETS

ADD. 46

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-18	2018	ADD. 47	93



⚠ MILEPOST 12.88 (H-3) SITE PLAN

Scale: 1" = 25'

1 / C6.5 | C6.5

0 25 50 75

Scale: 1" = 25' Feet

Notes:

1. *Erosion Mat limits are shown in plan view and are approximate. Contractor shall coordinate actual limits with the Engineer in the field.*
2. *See H-3 MP 14.10 Site Plan on Sheet C3.4 for potential staging areas within the State Right of Way.*
3. *Contractor shall protect all existing signs, highway lighting and conduits in the work area.*

RYAN M. OKAHASHI
LICENSED PROFESSIONAL ENGINEER
No. 14294-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2020
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DATE	REVISION
5/30/18	⚠1 Revised Date and Plan with Topo.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Site Plan, Milepost 12.88 (H3) PID No. 701059

CULVERT REMEDIATION AT VARIOUS LOCATIONS ON OAHU, PHASE 2

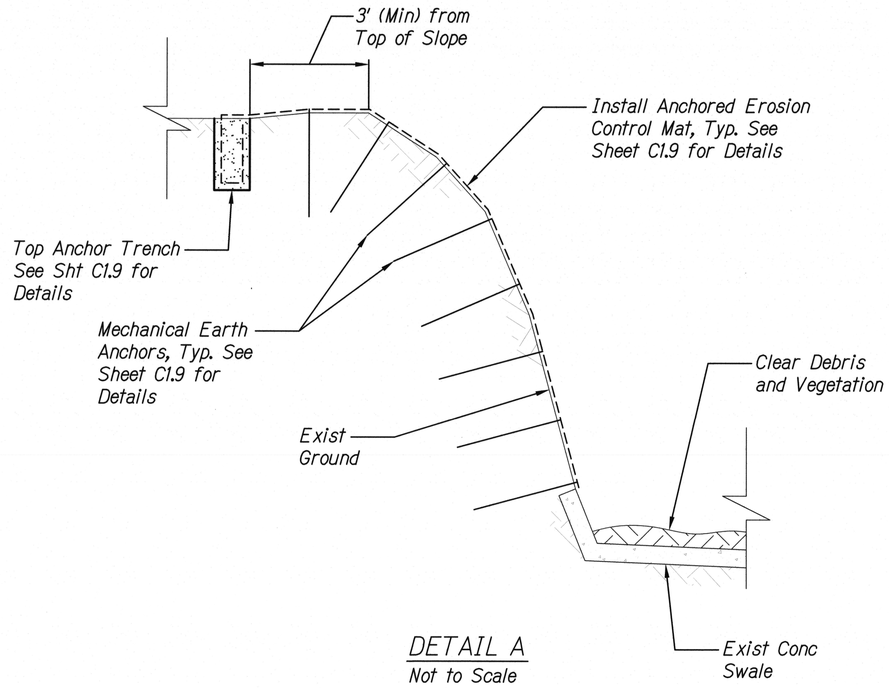
Project No. HWY-0-03-18 ⚠1

Scale: As Shown Date: May 2018

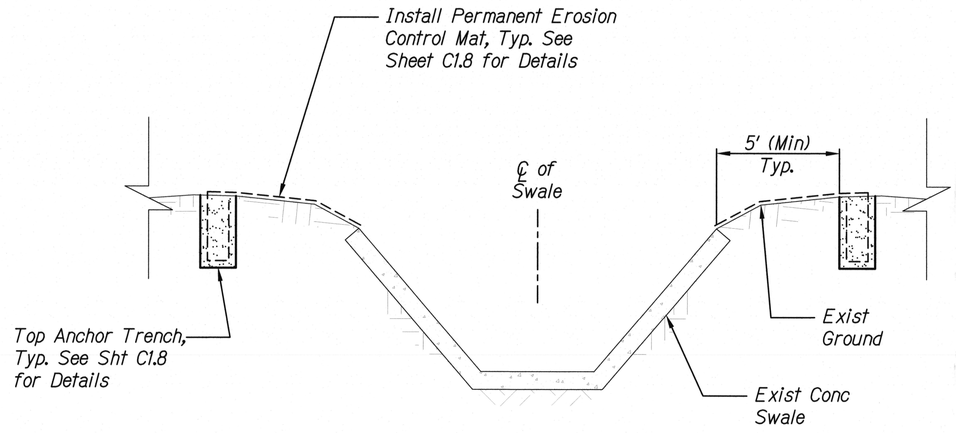
SHEET No. C6.5 OF 9 SHEETS

ADD. 47

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-18	2018	48	93



DETAIL A
Not to Scale



DETAIL B
Not to Scale

MILEPOST 12.88 (H-3) DETAILS
Not to Scale

1
C6.6 | C6.6

RYAN M. OKAHASHI
LICENSED PROFESSIONAL ENGINEER
No. 14294-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2018
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

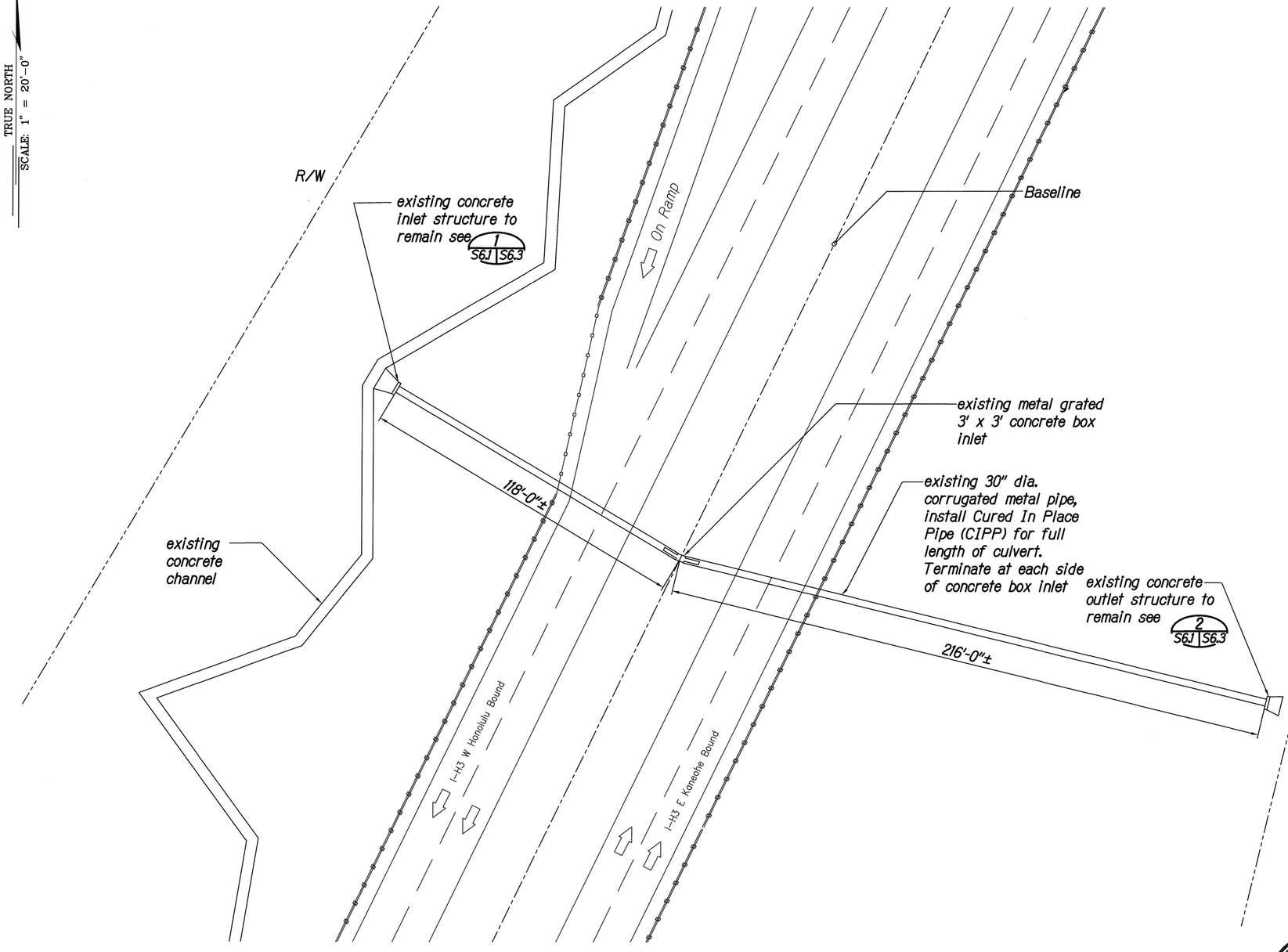
Details, Milepost
12.88 (H3) PID No. 701059
CULVERT REMEDIATION AT VARIOUS LOCATIONS ON OAHU, PHASE 2
Project No. HWY-0-03-18

Scale: As Shown Date: March 2018

SHEET No. C6.6 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-18	2018	49	93

TRUE NORTH
SCALE: 1" = 20'-0"



EXISTING CULVERT PLAN, MILEPOST 12.88 (H3) 1 S6.1 S6.1
Scale: 1" = 20'-0"

KEN KAZUO HAYASHIDA
LICENSED PROFESSIONAL ENGINEER
No. 6818-S
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2020
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Culvert Plan View, Milepost 12.88 (H3), PID No. 701059

CULVERT REMEDIATION AT VARIOUS LOCATIONS ON OAHU, PHASE 2

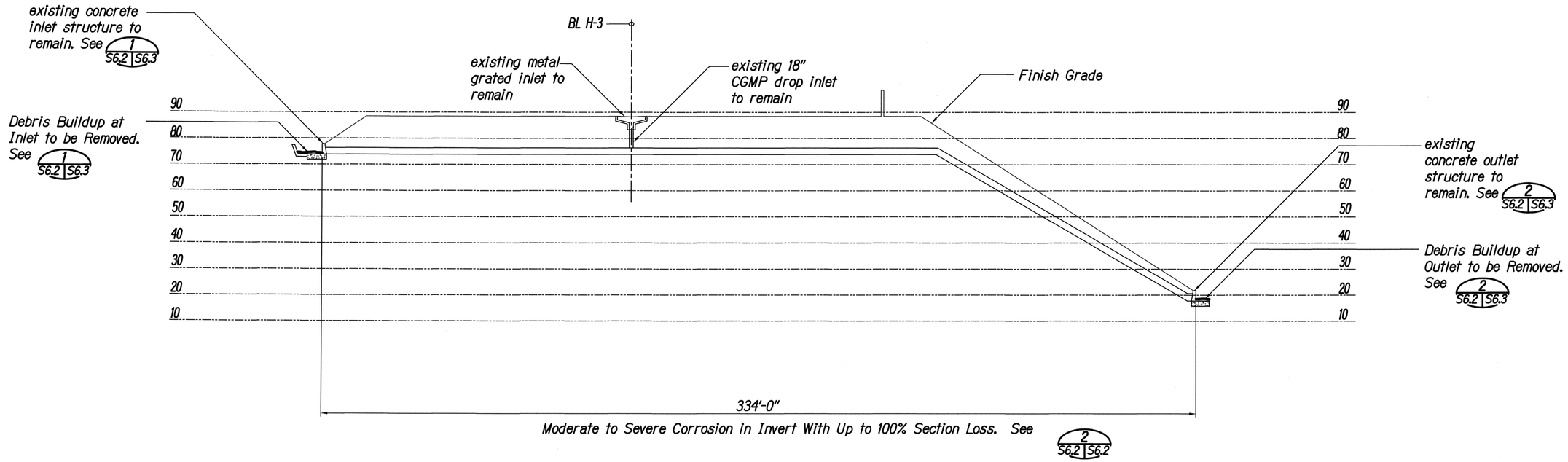
Project No. HWY-0-03-18

Scale: As Shown Date: March 2018

SHEET No. S6.1 OF 9 SHEETS

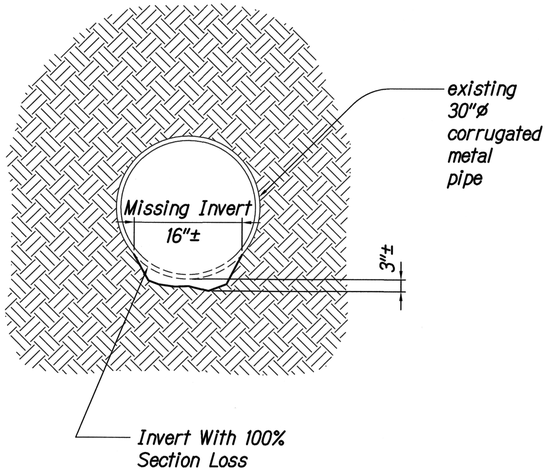
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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-18	2018	50	93



EXISTING CULVERT SECTION, MILEPOST 12.88 (H3) — 1 S6.2 S6.2

Scale: 1" = 20'-0"



EXISTING CULVERT SECTION AT STA 0+00 TO STA 3+44 — 2 S6.2 S6.2

Scale: 3/4" = 1'-0"

For Repair Details
See Sheet S1.2

KEN KAZUO HAYASHIDA
LICENSED PROFESSIONAL ENGINEER
No. 6818-S
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2020
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Culvert Section, Milepost 12.88 (H3), PID No. 701059

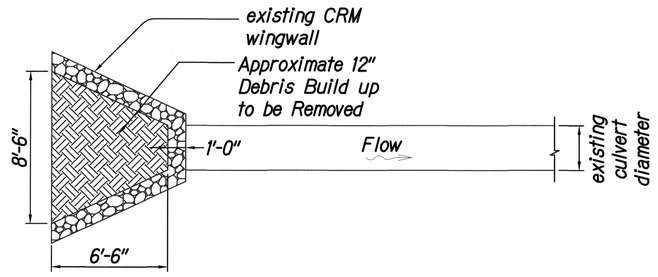
CULVERT REMEDIATION AT VARIOUS LOCATIONS ON OAHU, PHASE 2

Project No. HWY-0-03-18

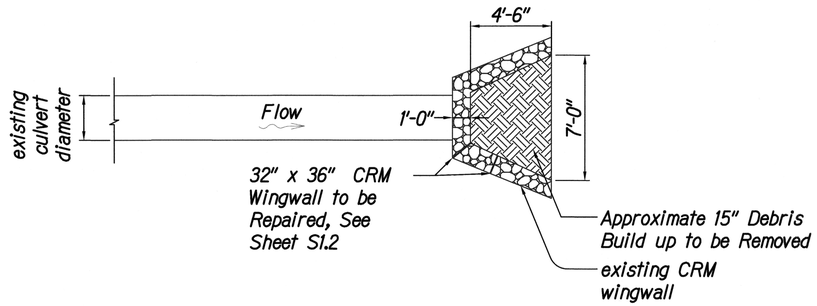
Scale: As Shown Date: March 2018

SHEET No. S6.2 OF 9 SHEETS

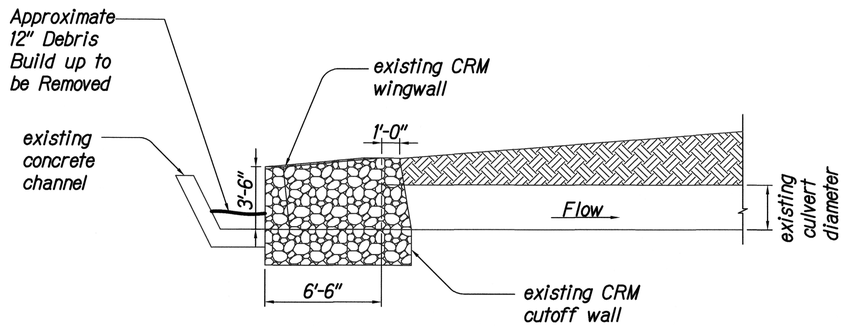
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-18	2018	51	93



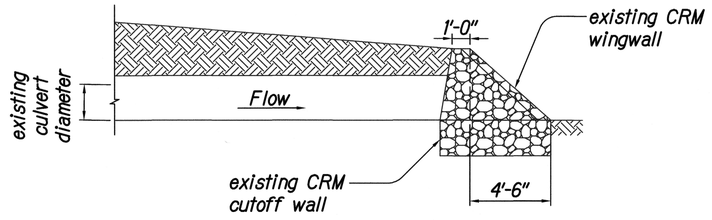
Inlet Plan



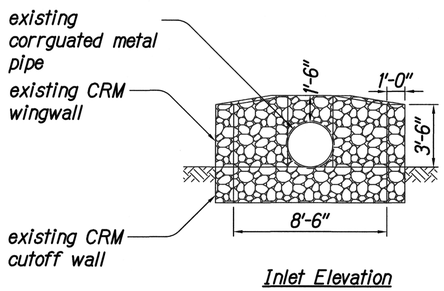
Outlet Plan



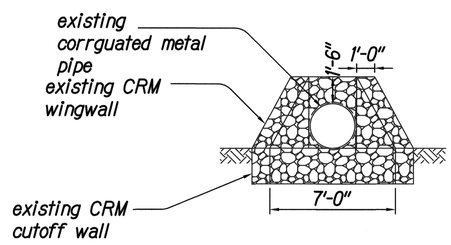
Inlet Section



Outlet Section



Inlet Elevation



Outlet Elevation

INLET STRUCTURE
EXISTING CONDITION
Scale: 1/4" = 1'-0"

1
S6.3 | S6.3

OUTLET STRUCTURE
EXISTING CONDITION
Scale: 1/4" = 1'-0"

2
S6.3 | S6.3

KEN KAZUO HAYASHIDA
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EXPIRATION DATE OF THE LICENSE 4/30/2020
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Culvert Outlet/Inlet Details
M.P. 12.88 (H3) PID No. 701059
CULVERT REMEDIATION AT VARIOUS LOCATIONS ON OAHU, PHASE 2
Project No. HWY-0-03-18

Scale: As Shown Date: March 2018

SHEET No. S6.3 OF 9 SHEETS