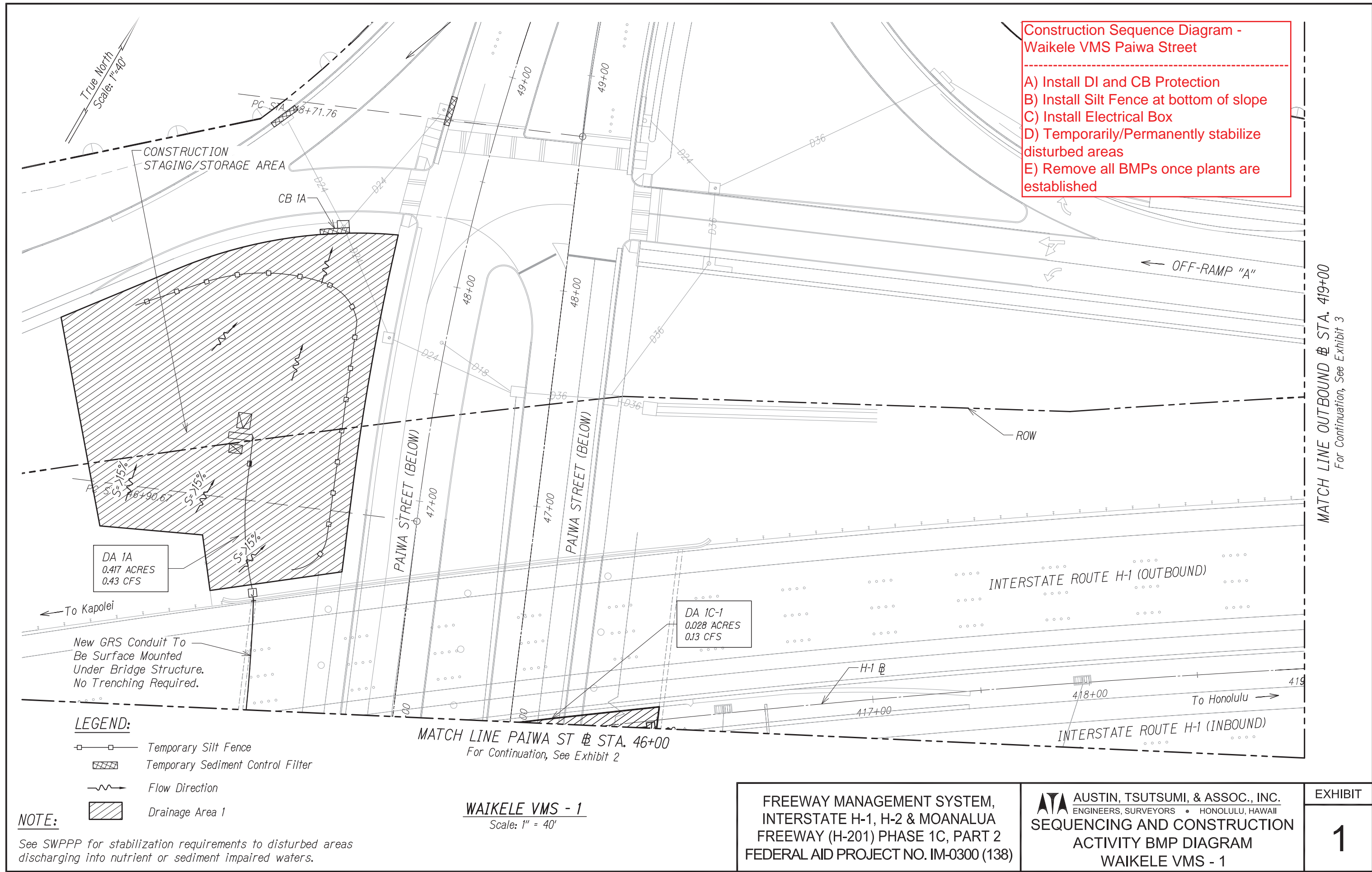


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MATCH LINE PAIWA ST @ STA. 46+00
For Continuation, See Exhibit 1

New GRS Conduit To Be
Surface Mounted Under
Bridge Structure. No
Trenching Required.

DA 1B
0.030 ACRES
0.03 CFS

DA 1C-1
0.028 ACRES
0.13 CFS

DA 1C-2
0.024 ACRES
0.03 CFS

To Honolulu →

Ramp "B" @

ON-RAMP "B"

New Secondary Power Line
To Be Installed Through
Directional Drilling Under
Off-Ramp. No Trenching
Required.

MATCH LINE OUTBOUND @ STA. 419+00
For Continuation, See Exhibit 3

NOTE:

See SWPPP for stabilization requirements
to disturbed areas discharging into
nutrient or sediment impaired waters.

LEGEND:

-  Temporary Drain Inlet Protection
-  Temporary Sediment Control Filter
-  Flow Direction
-  Drainage Area 1

**Construction Sequence Diagram - Waikele VMS
Paiwa Street**

- A) Install DI and CB Protection
- B) Trench through dirt/grass alongside on-ramp
- C) Surface mount new conduit beneath structure
- D) Temporarily/Permanently stabilize disturbed areas
- E) Remove all BMPs once plants are established

WAIKELE VMS - 2
Scale: 1" = 40'

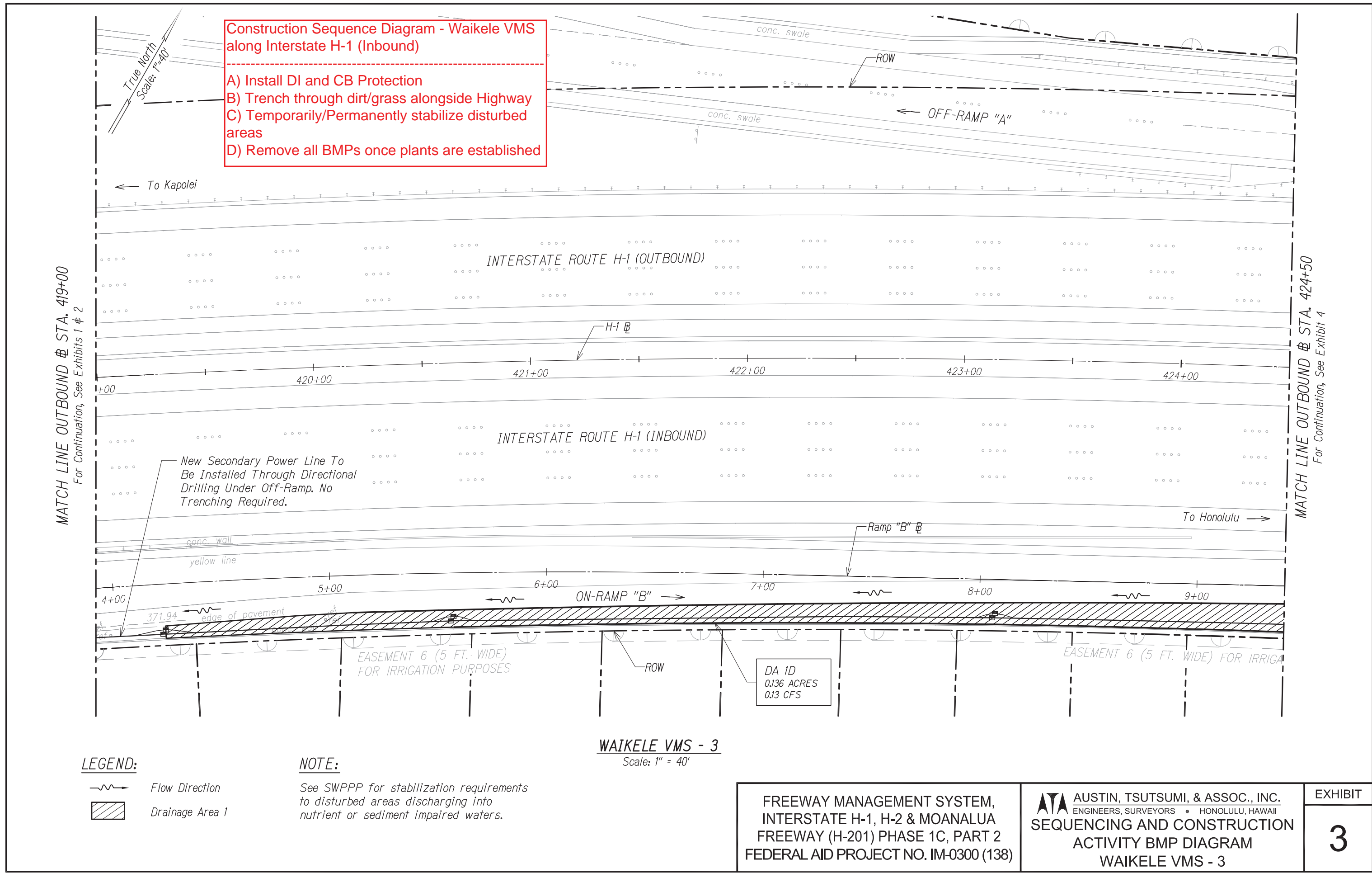
FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)

AUSTIN, TSUTSUMI, & ASSOC., INC.
ENGINEERS, SURVEYORS • HONOLULU, HAWAII
**SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
WAIKELE VMS - 2**

EXHIBIT

2

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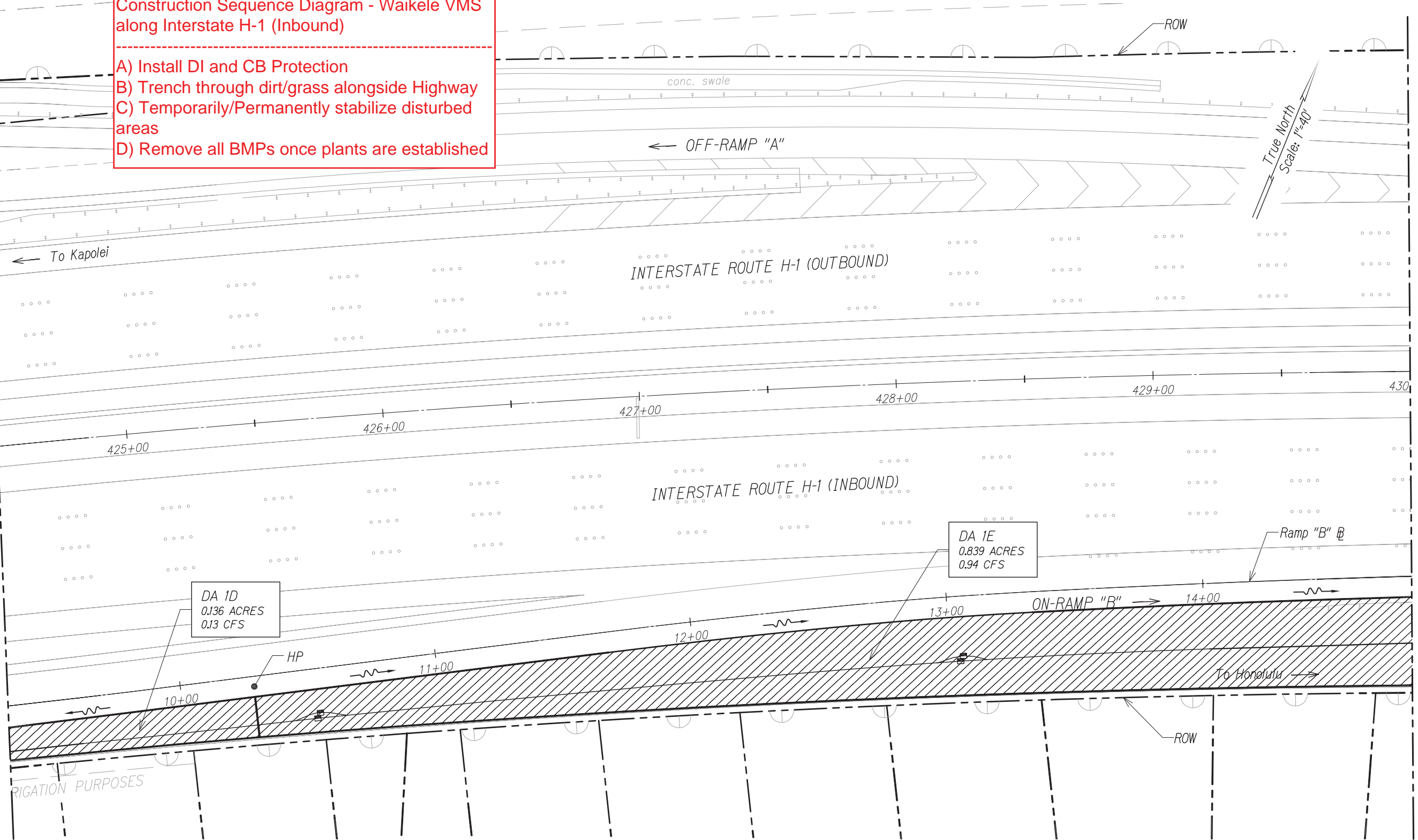
FREeway MANAGEMENT SYSTEM, INTERSTATE H-1, H-2 & MOANALUA FREEWAY (H-201) PHASE 1C, PART 2 FEDERAL AID PROJECT NO. IM-0300 (138)	ATA AUSTIN, TSUTSUMI, & ASSOC., INC. ENGINEERS, SURVEYORS • HONOLULU, HAWAII	SEQUENCING AND CONSTRUCTION ACTIVITY BMP DIAGRAM WAIKELE VMS - 3	EXHIBIT
		3	

**Construction Sequence Diagram - Waikele VMS
along Interstate H-1 (Inbound)**

- A) Install DI and CB Protection
- B) Trench through dirt/grass alongside Highway
- C) Temporarily/Permanently stabilize disturbed areas
- D) Remove all BMPs once plants are established

MATCH LINE OUTBOUND @ STA. 424+50
For Continuation, See Exhibit 3

MATCH LINE OUTBOUND @ STA. 430+00
For Continuation, See Exhibit 5



LEGEND:

- Flow Direction
- Drainage Area 1

NOTE:

See SWPPP for stabilization requirements to disturbed areas discharging into nutrient or sediment impaired waters.

WAIKELE VMS - 4
Scale: 1" = 40'

FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)

AUSTIN, TSUTSUMI, & ASSOC., INC.
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**SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
WAIKELE VMS - 4**

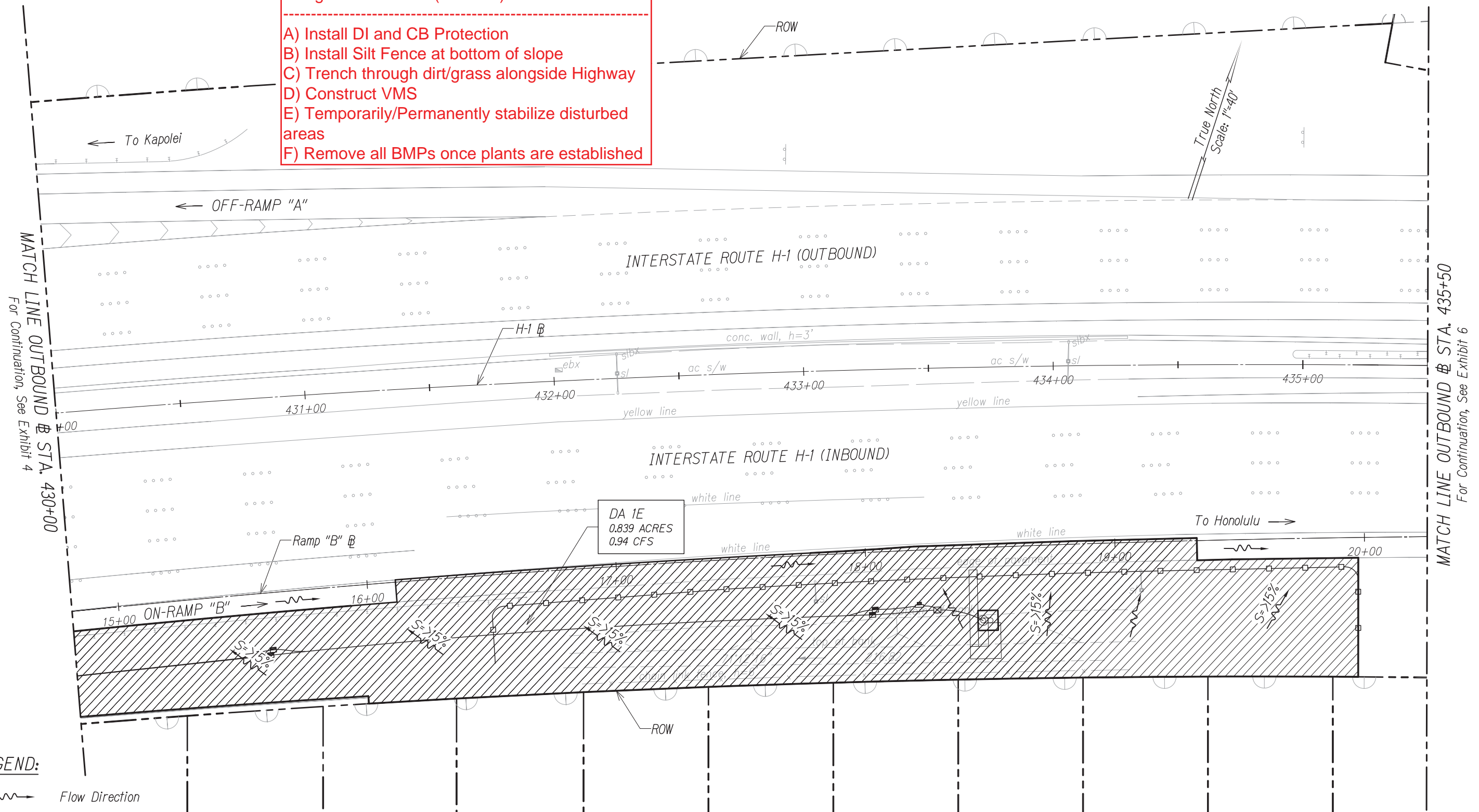
EXHIBIT

4

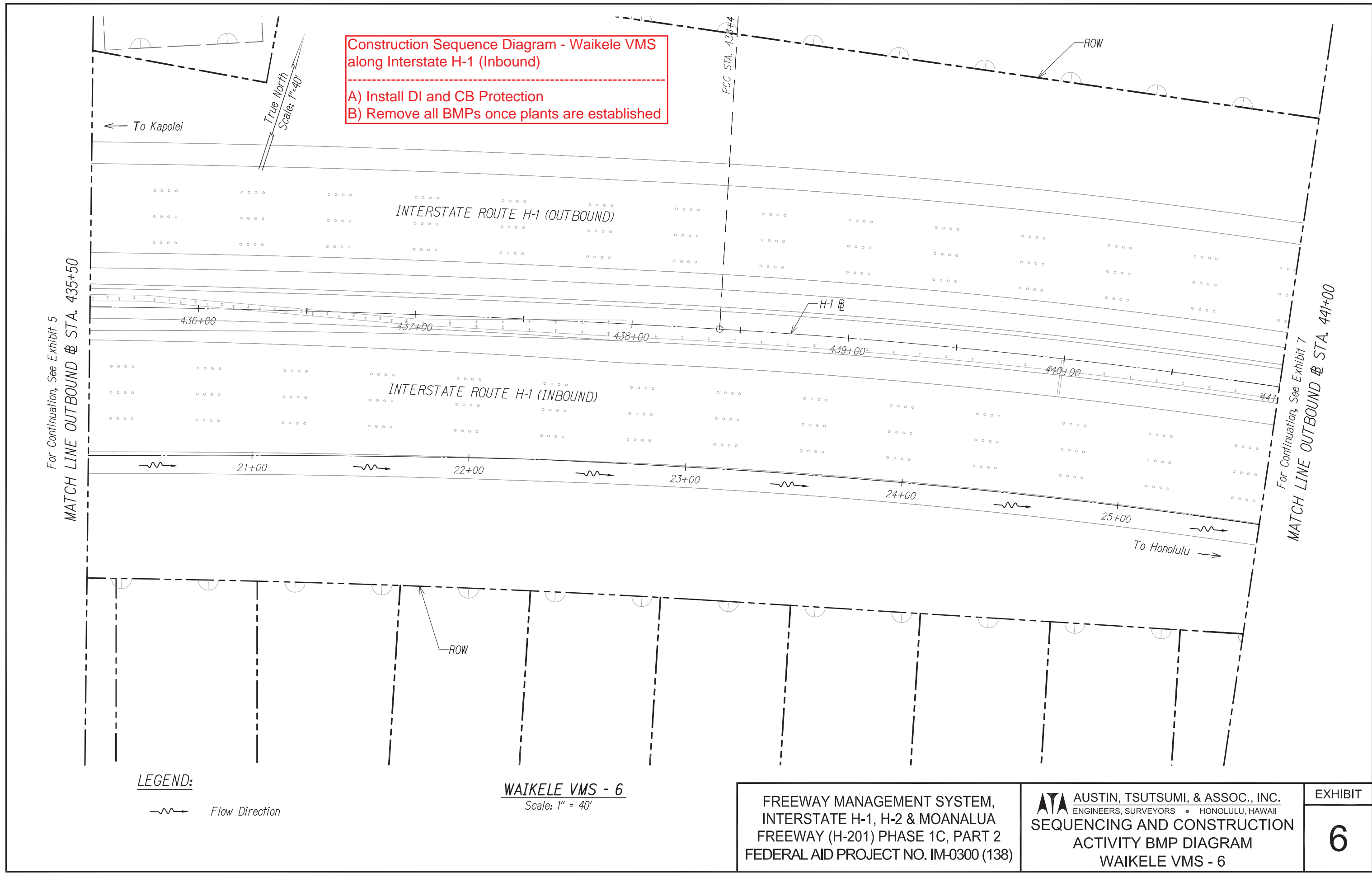
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Construction Sequence Diagram - Waikele VMS
along Interstate H-1 (Inbound)

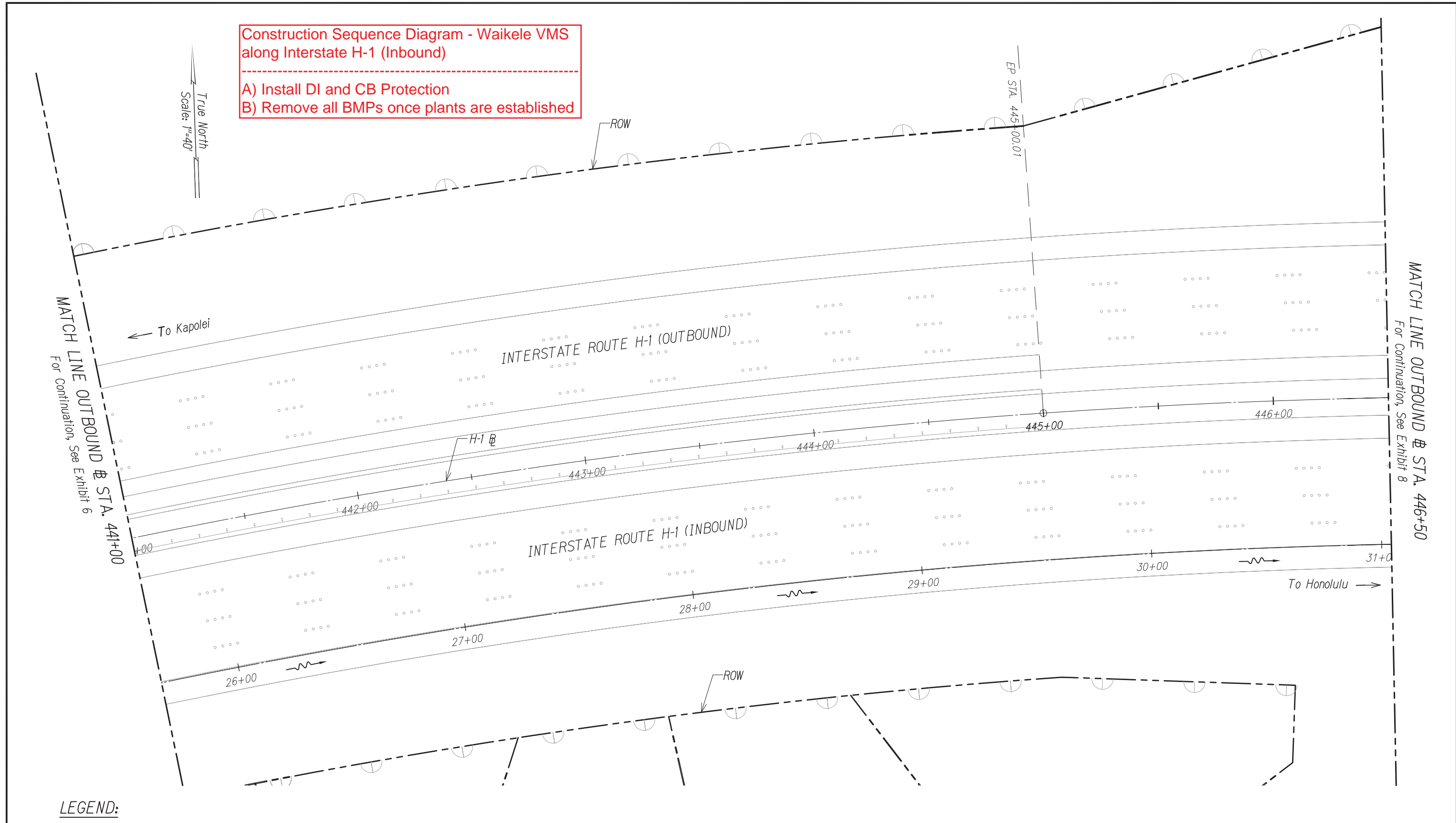
- A) Install DI and CB Protection
- B) Install Silt Fence at bottom of slope
- C) Trench through dirt/grass alongside Highway
- D) Construct VMS
- E) Temporarily/Permanently stabilize disturbed areas
- F) Remove all BMPs once plants are established



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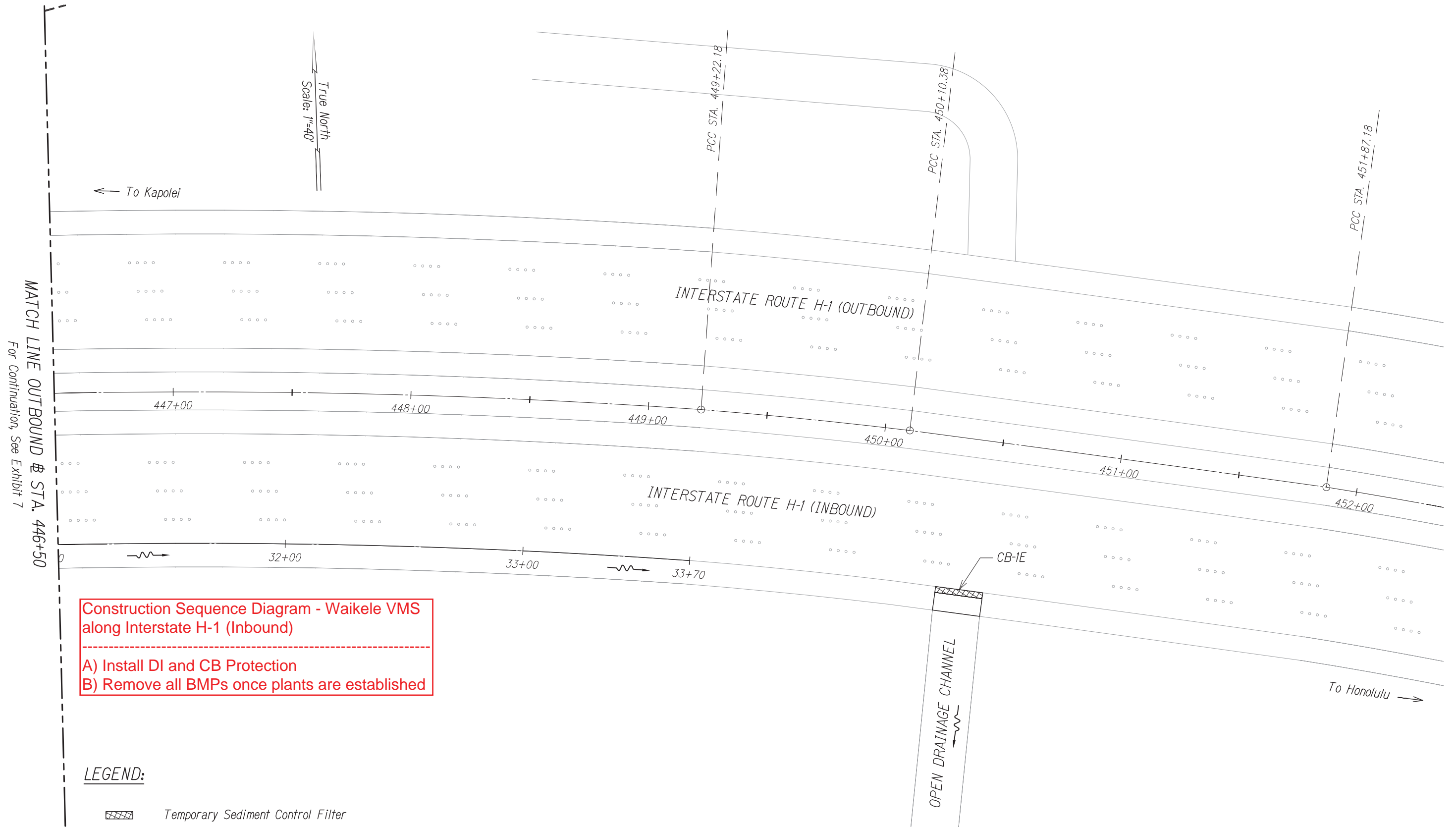


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FREEWAY MANAGEMENT SYSTEM, INTERSTATE H-1, H-2 & MOANALUA FREEWAY (H-201) PHASE 1C, PART 2 FEDERAL AID PROJECT NO. IM-0300 (138)	ATA AUSTIN, TSUTSUMI, & ASSOC., INC. ENGINEERS, SURVEYORS • HONOLULU, HAWAII SEQUENCING AND CONSTRUCTION ACTIVITY BMP DIAGRAM WAIKELE VMS - 7	EXHIBIT
		7

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WAIKELE VMS - 8
Scale: 1" = 40'

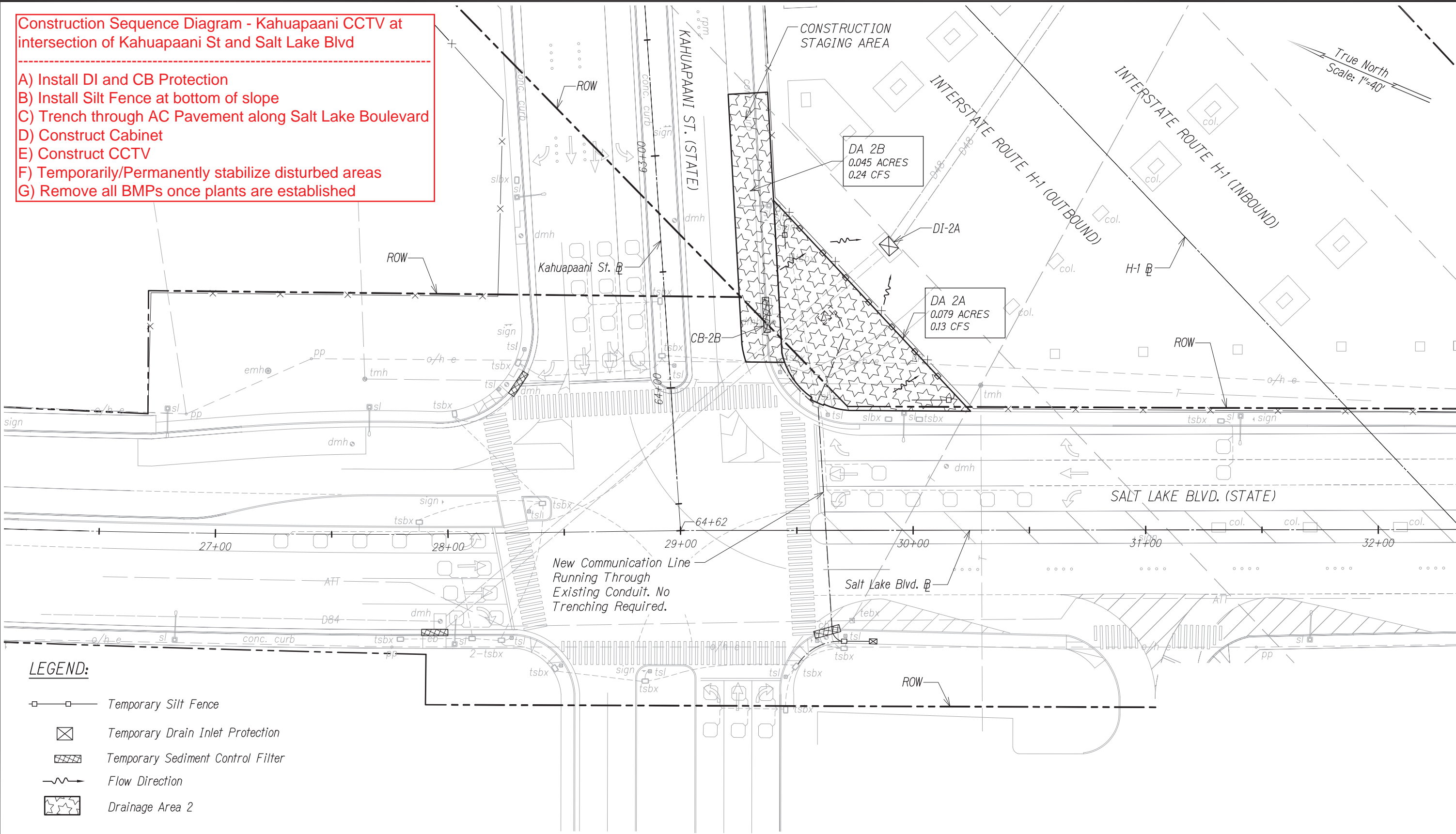
FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)

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SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
WAIKELE VMS - 8

EXHIBIT

8

- Construction Sequence Diagram - Kahuapaani CCTV at intersection of Kahuapaani St and Salt Lake Blvd
- A) Install DI and CB Protection
 - B) Install Silt Fence at bottom of slope
 - C) Trench through AC Pavement along Salt Lake Boulevard
 - D) Construct Cabinet
 - E) Construct CCTV
 - F) Temporarily/Permanently stabilize disturbed areas
 - G) Remove all BMPs once plants are established



LEGEND:

- Temporary Silt Fence
- Temporary Drain Inlet Protection
- Temporary Sediment Control Filter
- Flow Direction
- Drainage Area 2

NOTE:

See SWPPP for stabilization requirements to disturbed areas discharging into nutrient or sediment impaired waters.

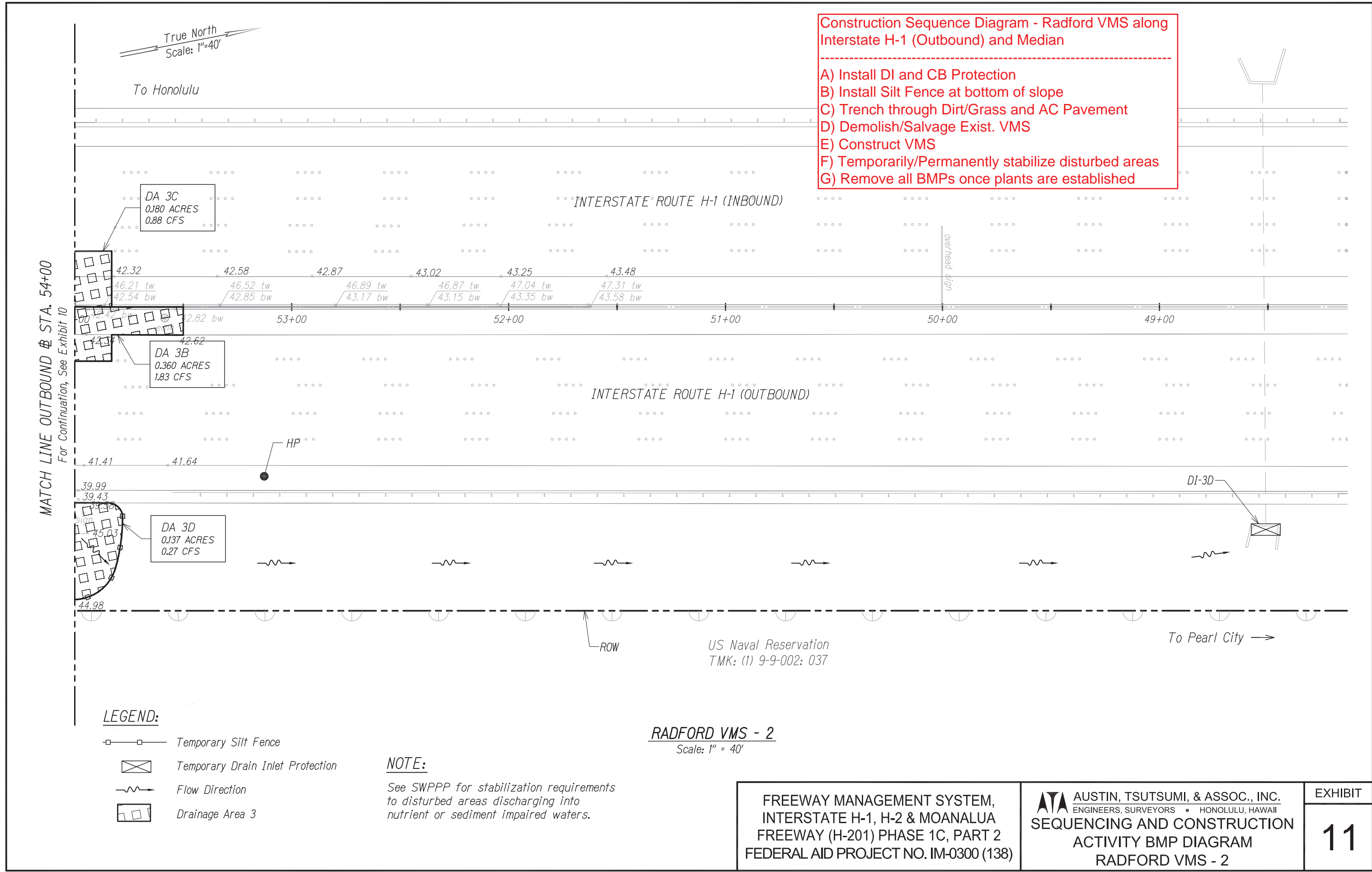
KAHUAPAANI CCTV
Scale: 1" = 40'

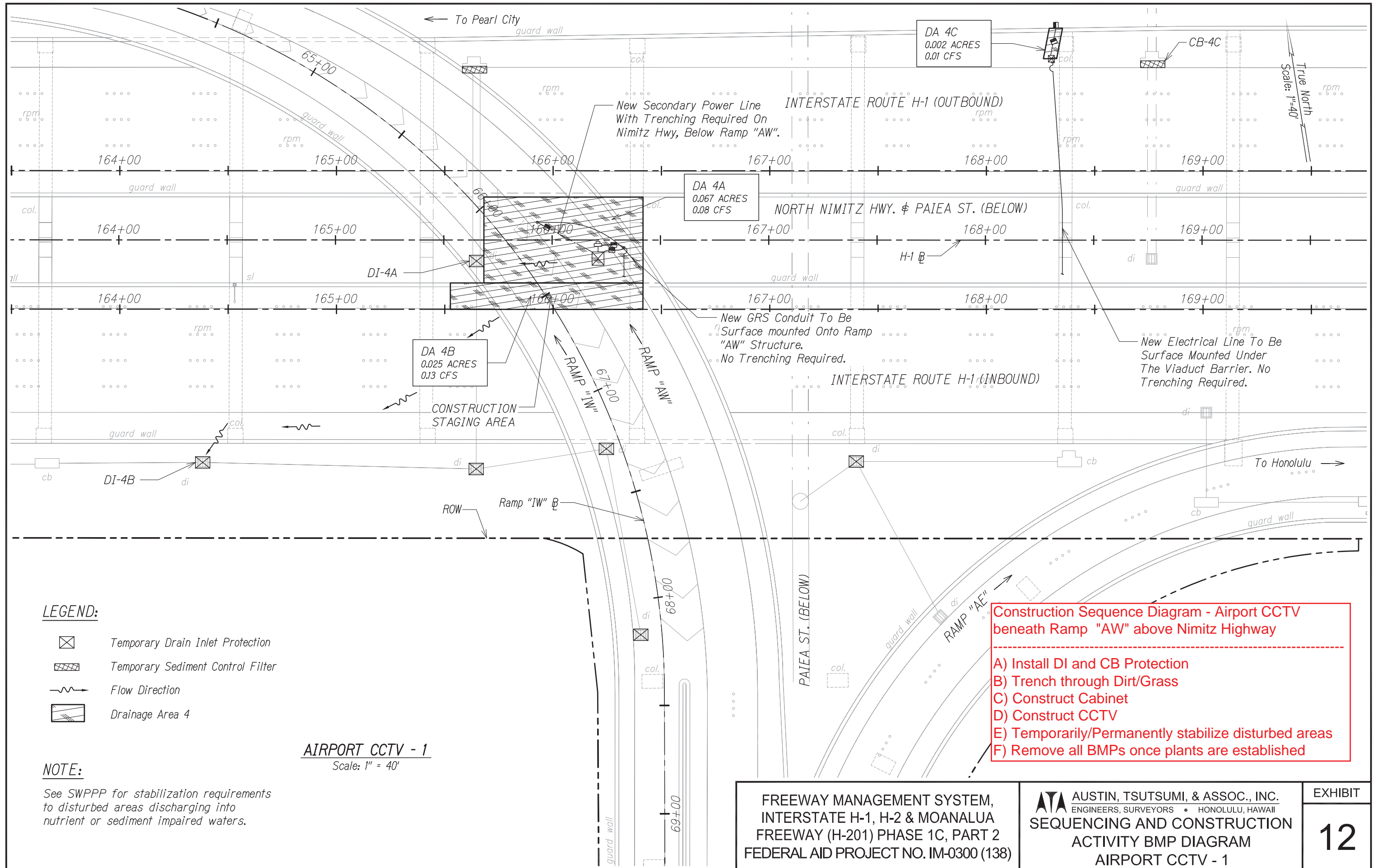
FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)

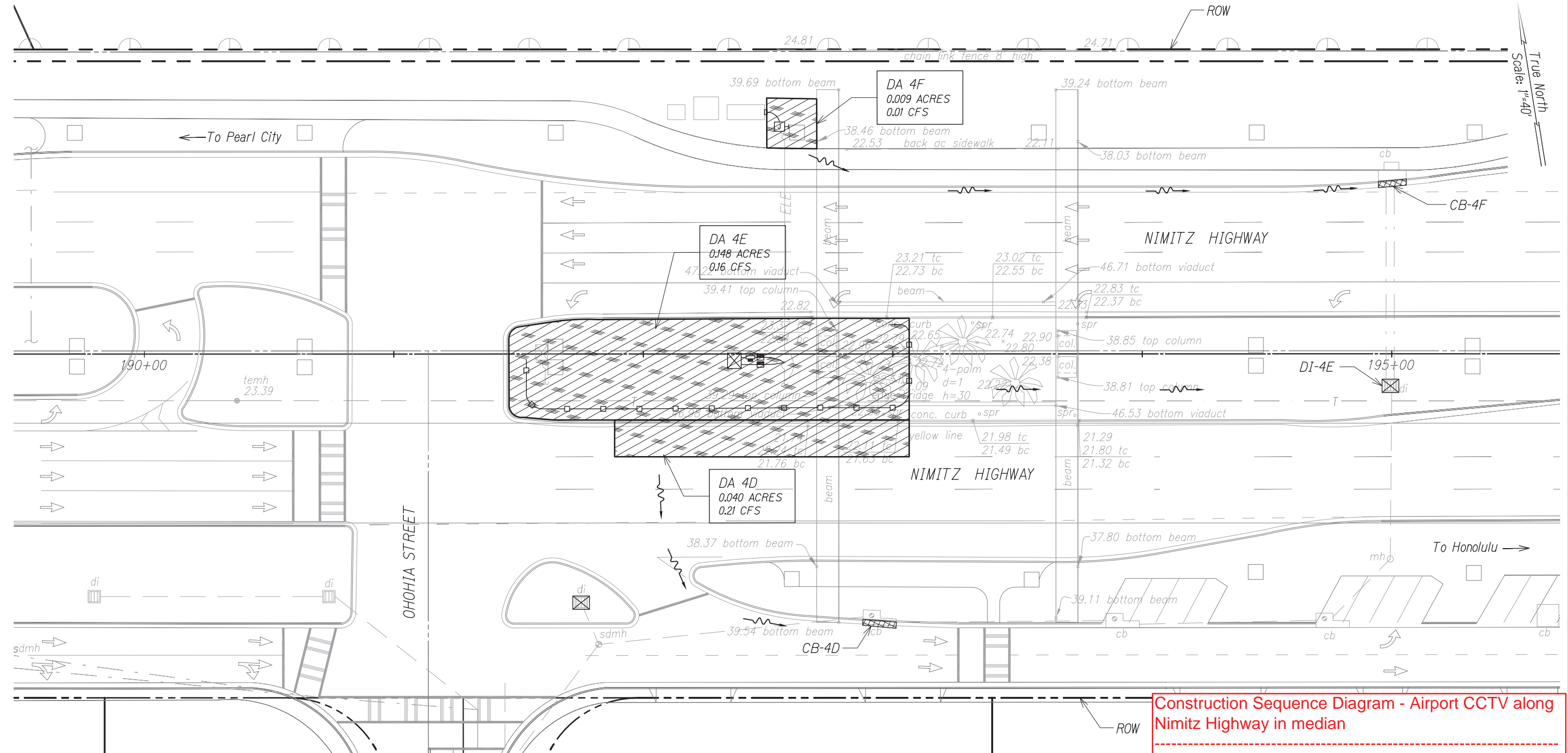
AUSTIN, TSUTSUMI, & ASSOC., INC.
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SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
KAHUAPAANI CCTV

EXHIBIT

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LEGEND:

- Temporary Silt Fence
- ⊠ Temporary Drain Inlet Protection
- ▨ Temporary Sediment Control Filter
- Flow Direction
- ▨ Drainage Area 4

NOTE:

See SWPPP for stabilization requirements to disturbed areas discharging into nutrient or sediment impaired waters.

AIRPORT CCTV - 2
Scale: 1" = 40'

Construction Sequence Diagram - Airport CCTV along Nimitz Highway in median

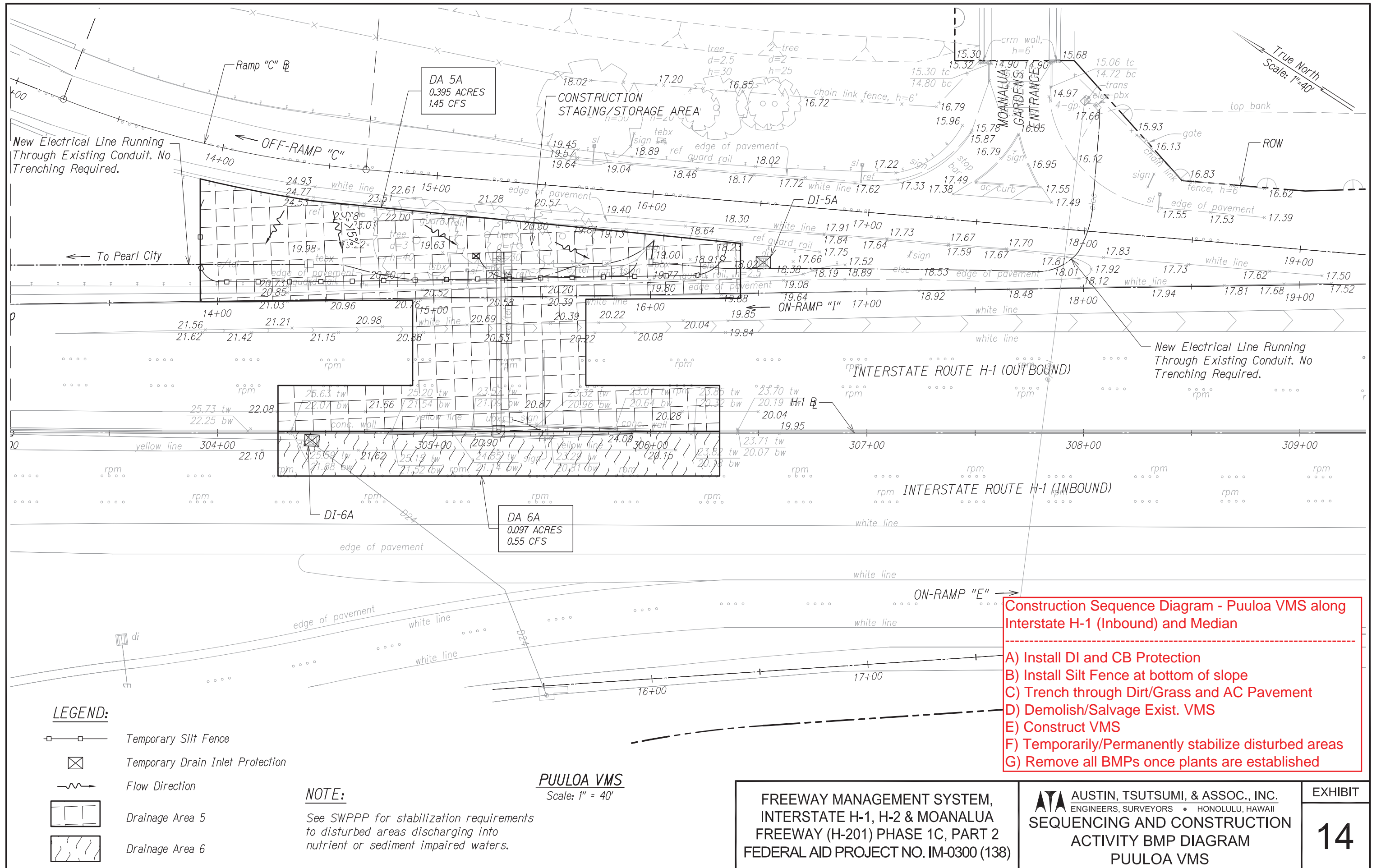
- A) Install DI and CB Protection
- B) Install Silt Fence
- C) Trench through Dirt/Grass
- D) Construct Cabinet
- E) Temporarily/Permanently stabilize disturbed areas
- F) Remove all BMPs once plants are established

**FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)**

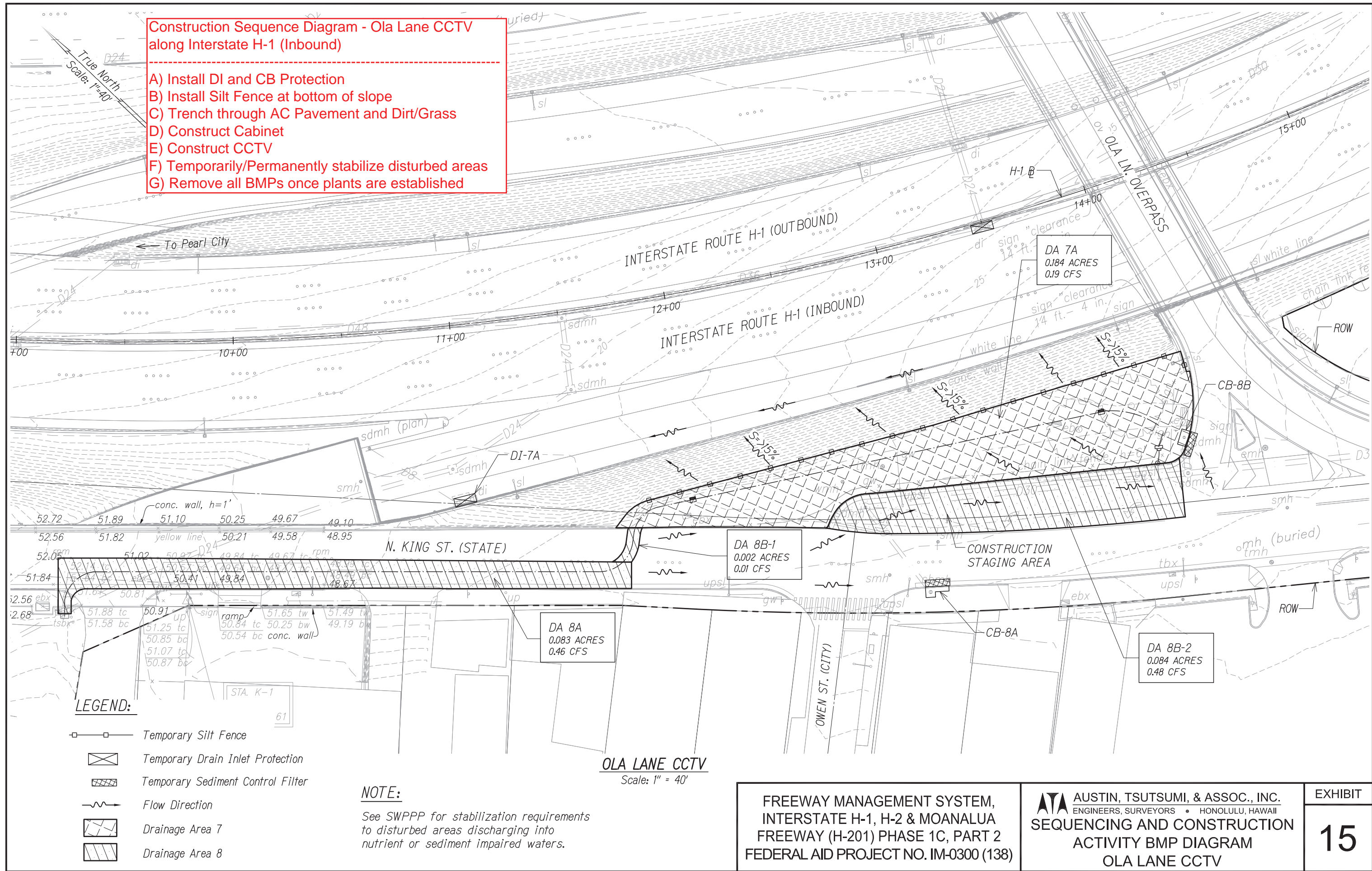
AUSTIN, TSUTSUMI, & ASSOC., INC.
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**SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
AIRPORT CCTV - 2**

EXHIBIT

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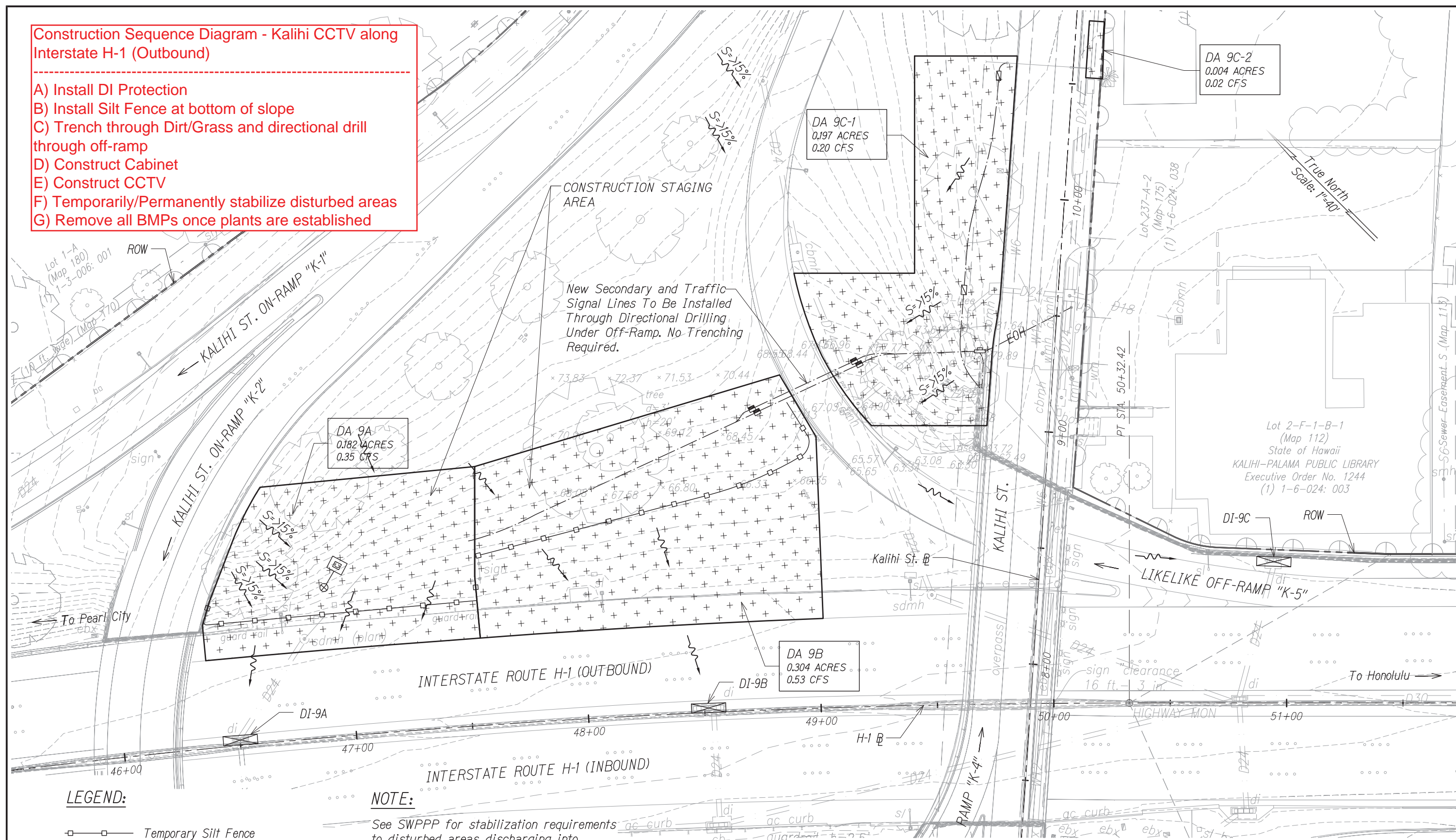
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Construction Sequence Diagram - Kalihi CCTV along Interstate H-1 (Outbound)

- A) Install DI Protection
- B) Install Silt Fence at bottom of slope
- C) Trench through Dirt/Grass and directional drill through off-ramp
- D) Construct Cabinet
- E) Construct CCTV
- F) Temporarily/Permanently stabilize disturbed areas
- G) Remove all BMPs once plants are established



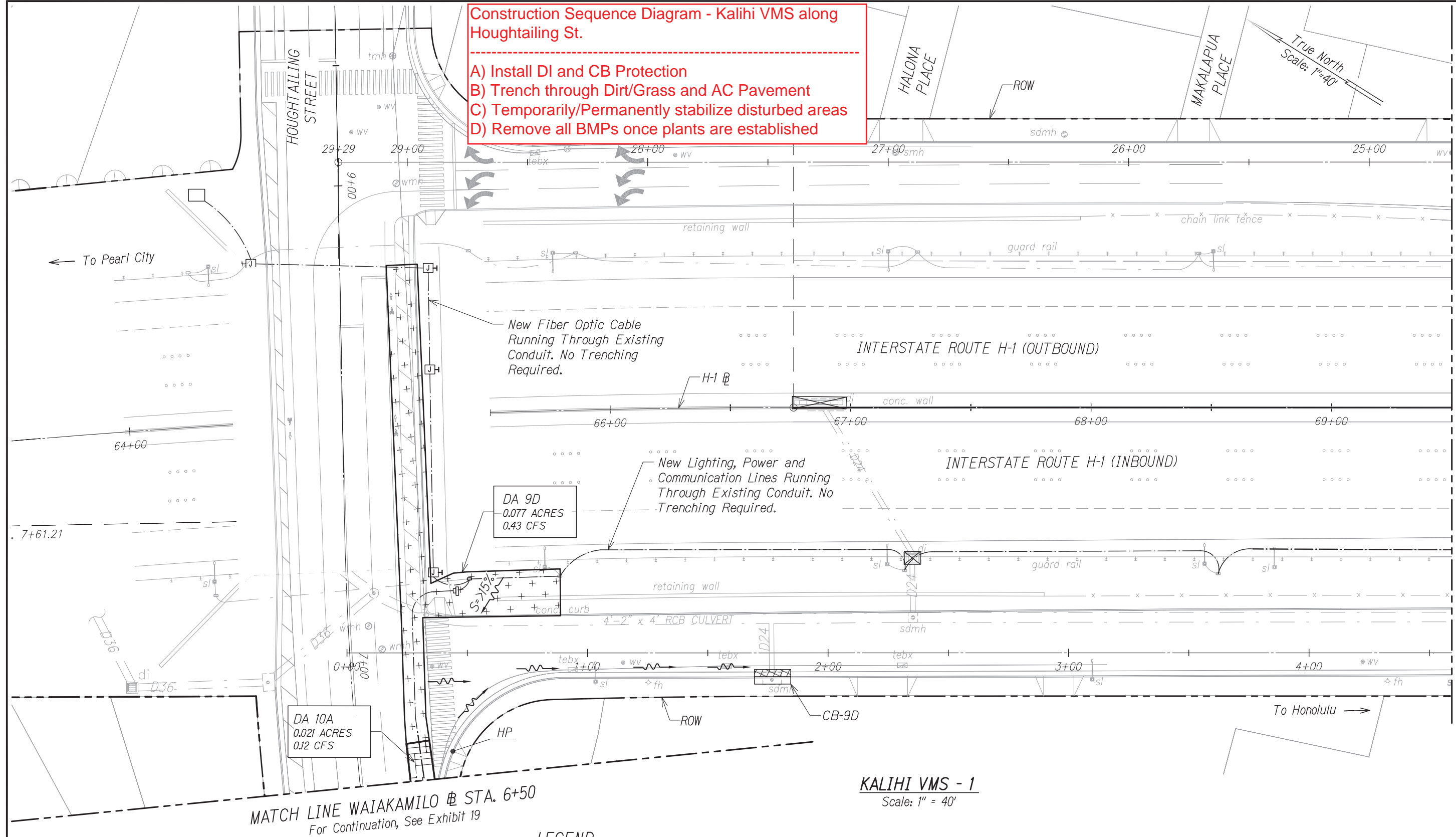
NOTE:
See SWPPP for stabilization requirements to disturbed areas discharging into nutrient or sediment impaired waters.

KALIHI CCTV
Scale: 1" = 40'

**FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)**

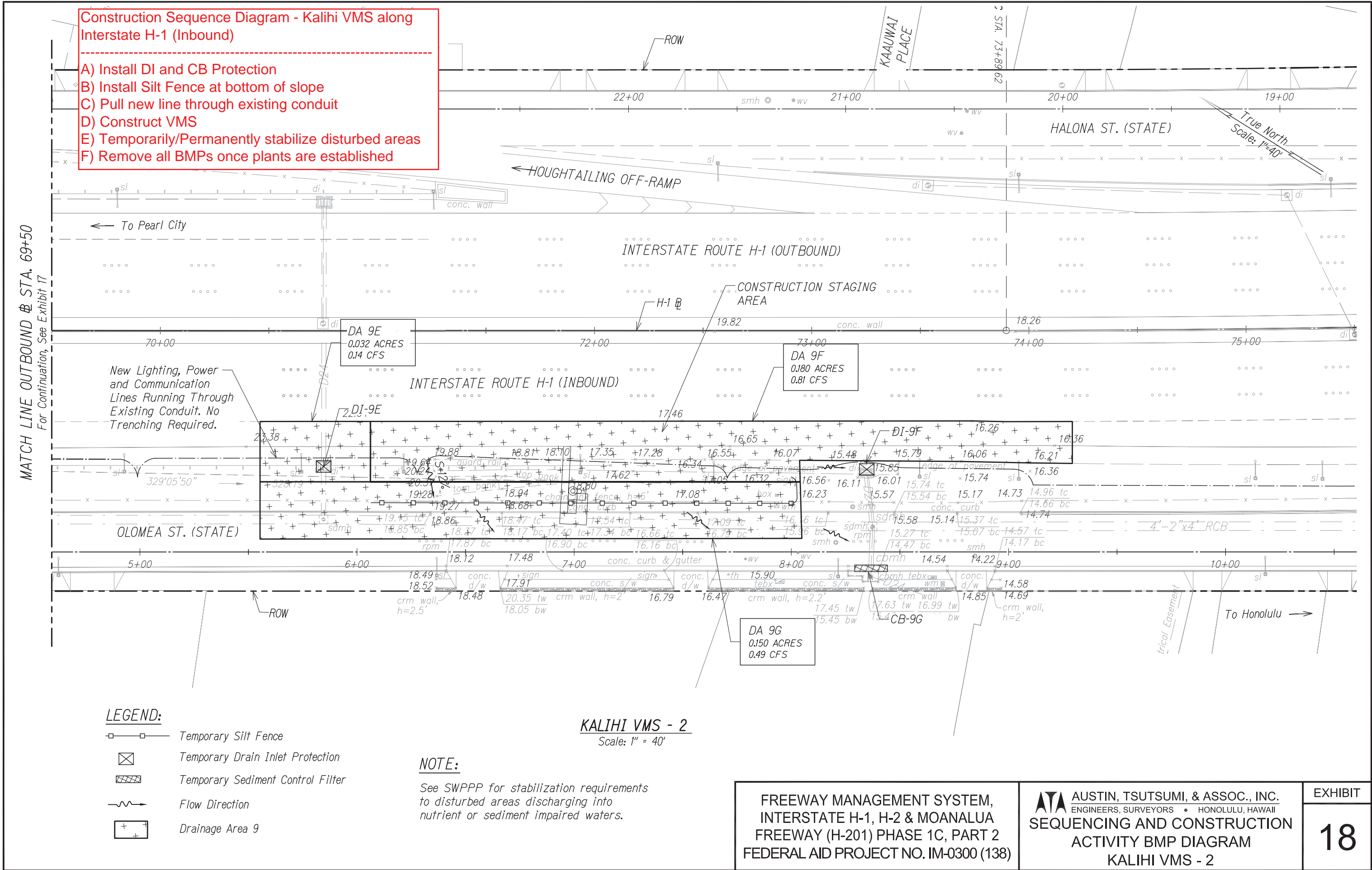
AUSTIN, TSUTSUMI, & ASSOC., INC.
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**SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
KALIHI CCTV**

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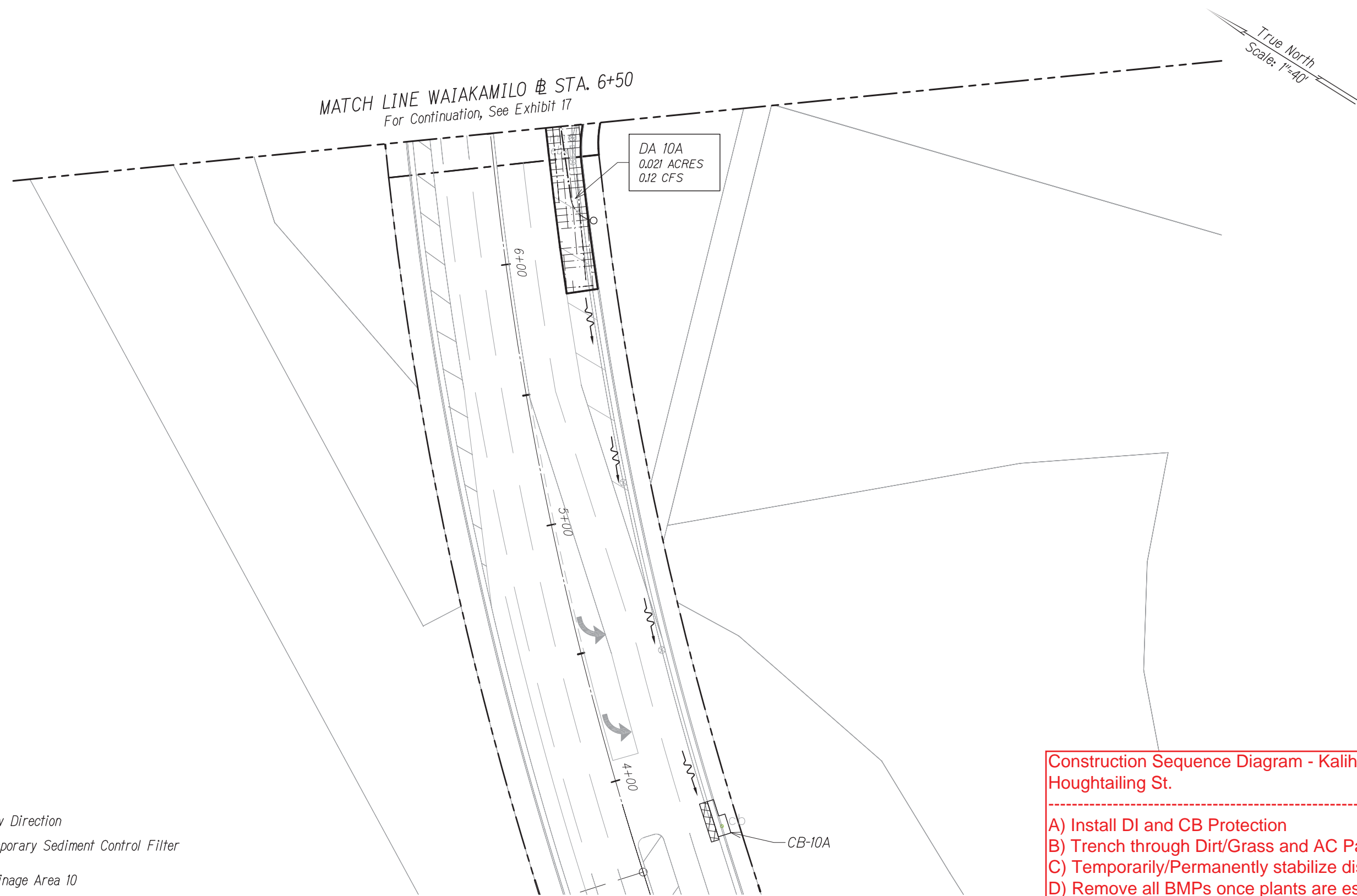


NOTE:
See SWPPP for stabilization requirements to disturbed areas discharging into nutrient or sediment impaired waters.

FREEWAY MANAGEMENT SYSTEM, INTERSTATE H-1, H-2 & MOANALUA FREEWAY (H-201) PHASE 1C, PART 2 FEDERAL AID PROJECT NO. IM-0300 (138)	AUSTIN, TSUTSUMI, & ASSOC., INC. ENGINEERS, SURVEYORS • HONOLULU, HAWAII	EXHIBIT
	SEQUENCING AND CONSTRUCTION ACTIVITY BMP DIAGRAM	
	KALIHI VMS - 1	17



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LEGEND:

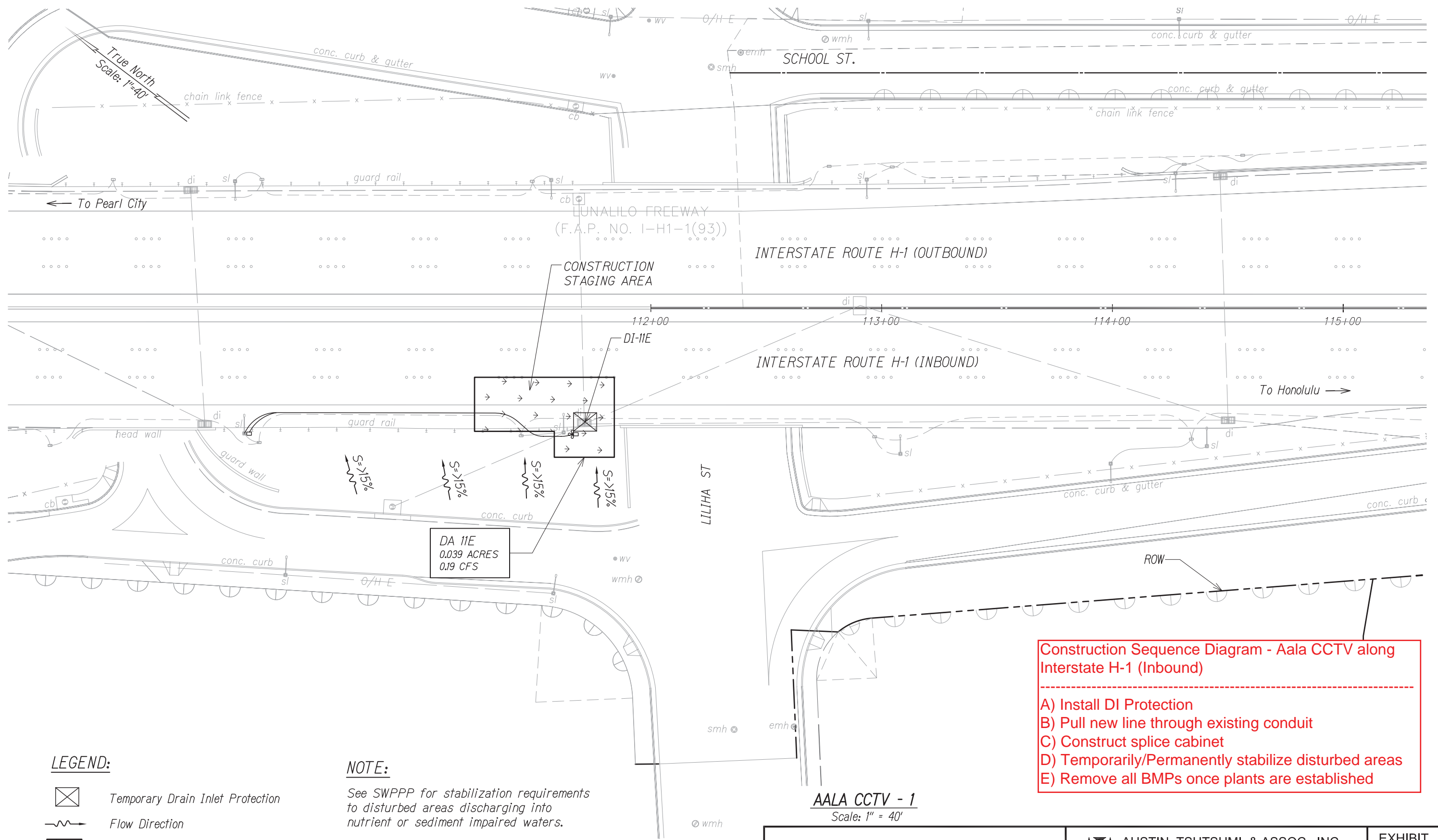
- Flow Direction
- Temporary Sediment Control Filter
- Drainage Area 10

NOTE:

See SWPPP for stabilization requirements to disturbed areas discharging into nutrient or sediment impaired waters.

KALIHI VMS - 3
Scale: 1" = 40'

FREEWAY MANAGEMENT SYSTEM, INTERSTATE H-1, H-2 & MOANALUA FREEWAY (H-201) PHASE 1C, PART 2 FEDERAL AID PROJECT NO. IM-0300 (138)	ATA AUSTIN, TSUTSUMI, & ASSOC., INC. ENGINEERS, SURVEYORS • HONOLULU, HAWAII SEQUENCING AND CONSTRUCTION ACTIVITY BMP DIAGRAM KALIHI VMS - 3	EXHIBIT
		19



FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)

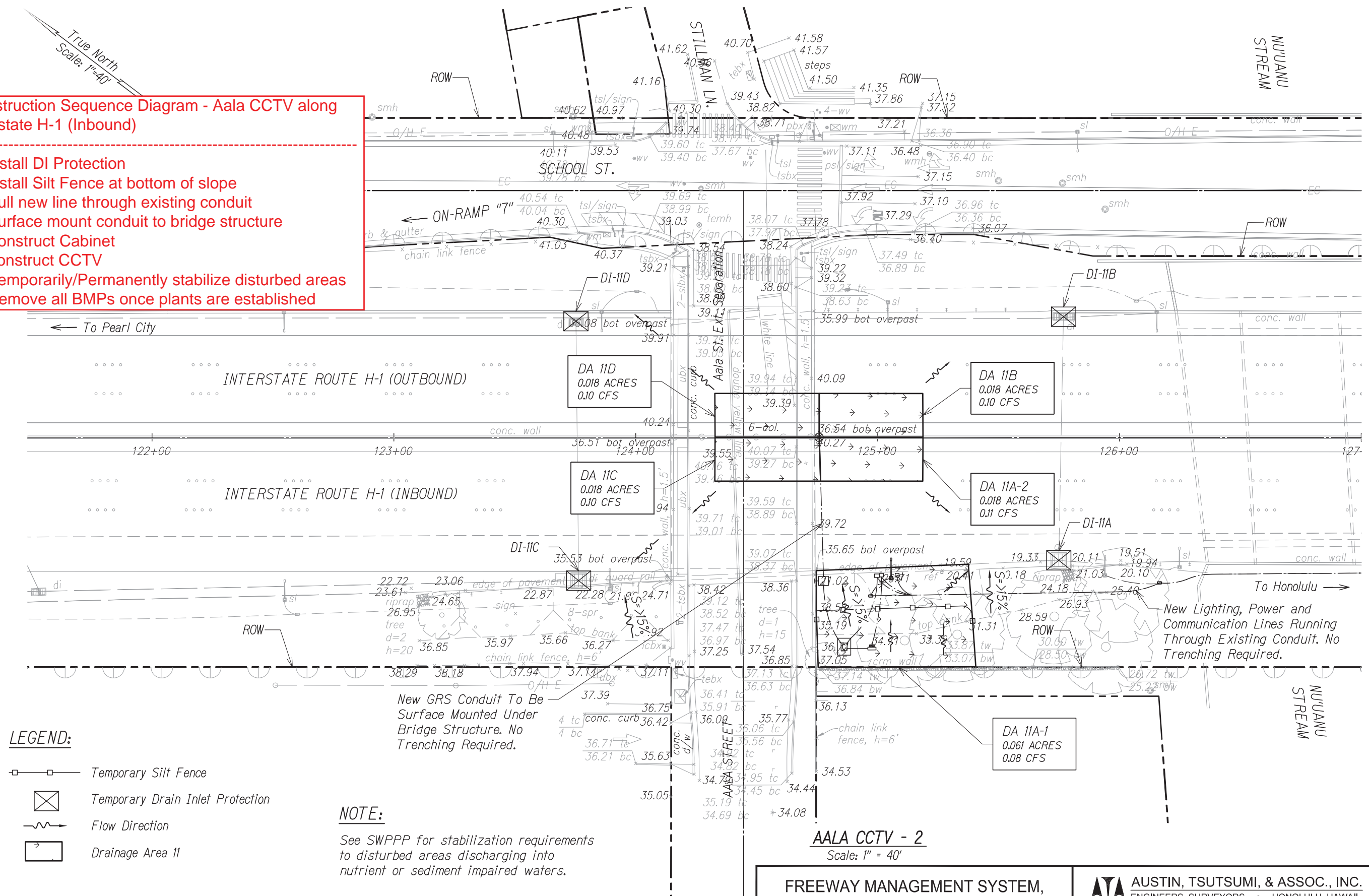
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**SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM**
AALA CCTV - 1

EXHIBIT

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Construction Sequence Diagram - Aala CCTV along Interstate H-1 (Inbound)

- Install DI Protection
- Install Silt Fence at bottom of slope
- Pull new line through existing conduit
- Surface mount conduit to bridge structure
- Construct Cabinet
- Construct CCTV
- Temporarily/Permanently stabilize disturbed areas
- Remove all BMPs once plants are established

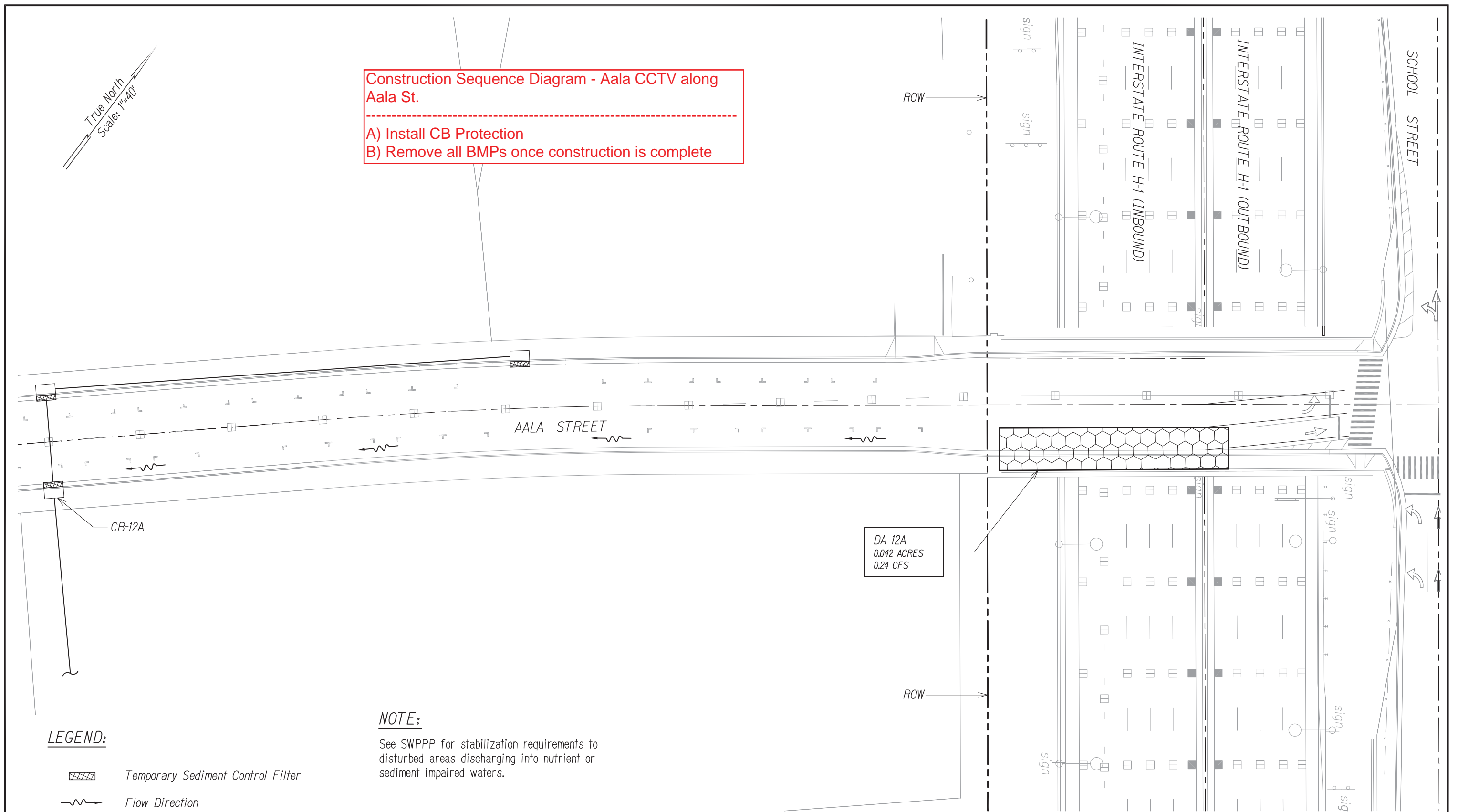


**FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)**




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**SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
AALA CCTV - 2**

EXHIBIT

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LEGEND:


- 
 Temporary Sediment Control Filter

 Flow Direction

 Drainage Area 12

NOTE:

See SWPPP for stabilization requirements to disturbed areas discharging into nutrient or sediment impaired waters.

AALA CCTV - 3
Scale: 1" = 40'

FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)

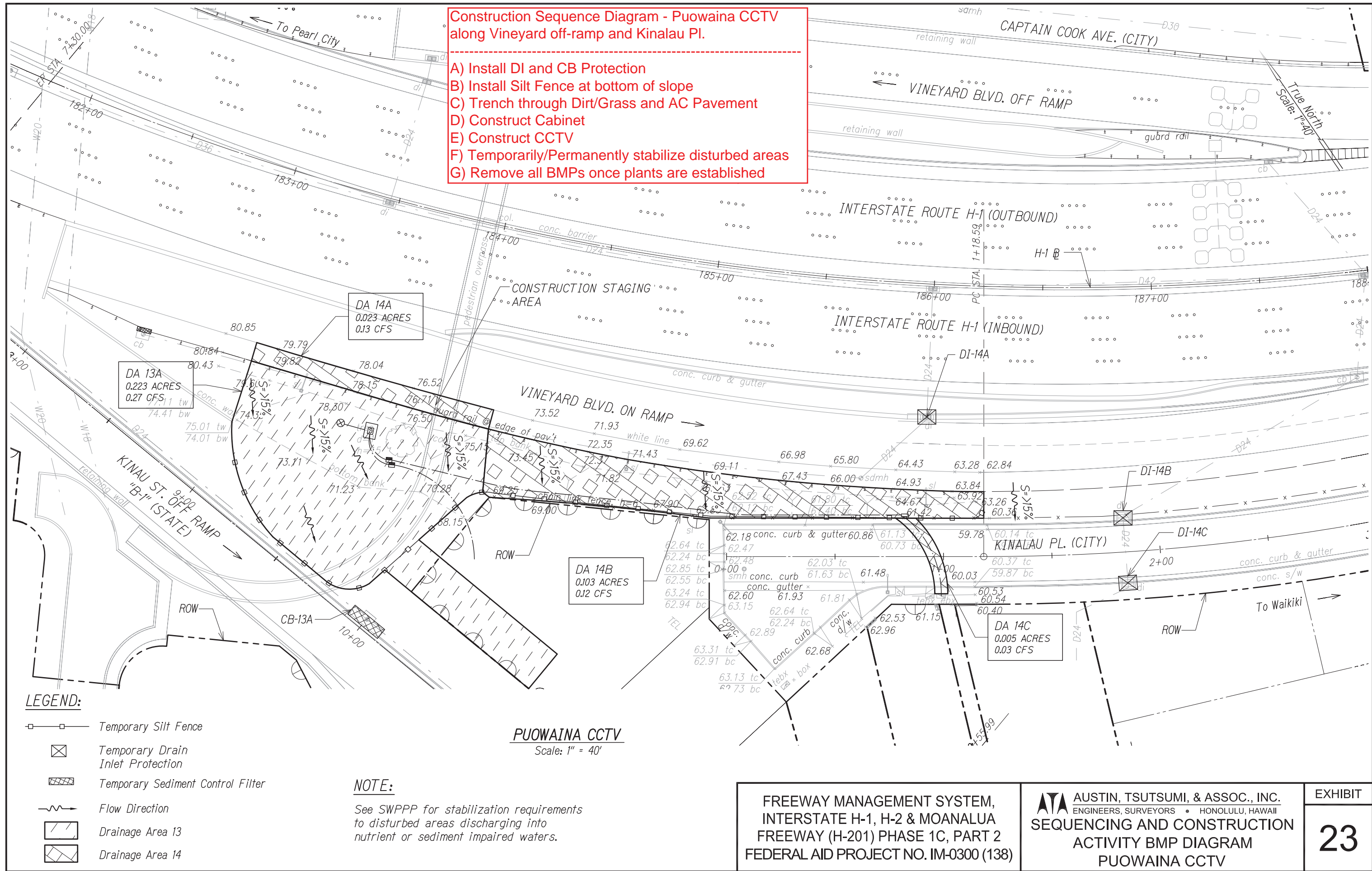

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SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
AALA CCTV - 3

EXHIBIT

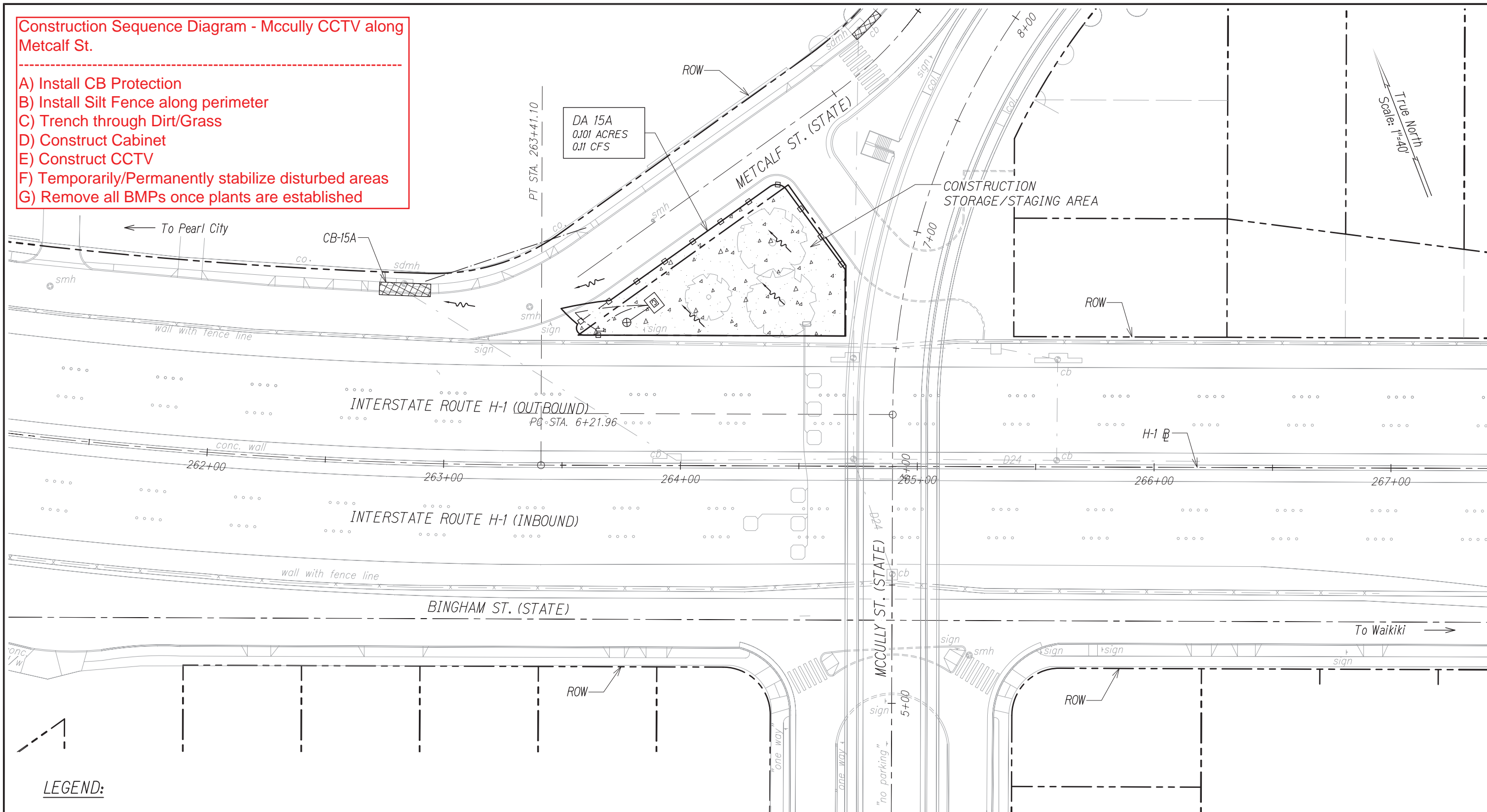
22

Construction Sequence Diagram - Puowaina CCTV along Vineyard off-ramp and Kinalau Pl.

- A) Install DI and CB Protection
- B) Install Silt Fence at bottom of slope
- C) Trench through Dirt/Grass and AC Pavement
- D) Construct Cabinet
- E) Construct CCTV
- F) Temporarily/Permanently stabilize disturbed areas
- G) Remove all BMPs once plants are established



- A) Install CB Protection
- B) Install Silt Fence along perimeter
- C) Trench through Dirt/Grass
- D) Construct Cabinet
- E) Construct CCTV
- F) Temporarily/Permanently stabilize disturbed areas
- G) Remove all BMPs once plants are established



LEGEND:

-  *Temporary Silt Fence*
 *Temporary Sediment Control Filter*
 *Flow Direction*
 *Drainage Area 15*

NOTE:

See SWPPP for stabilization requirements to disturbed areas discharging into nutrient or sediment impaired waters.

MCCULLY CCTV MAP

Scale: 1" = 40'

FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)

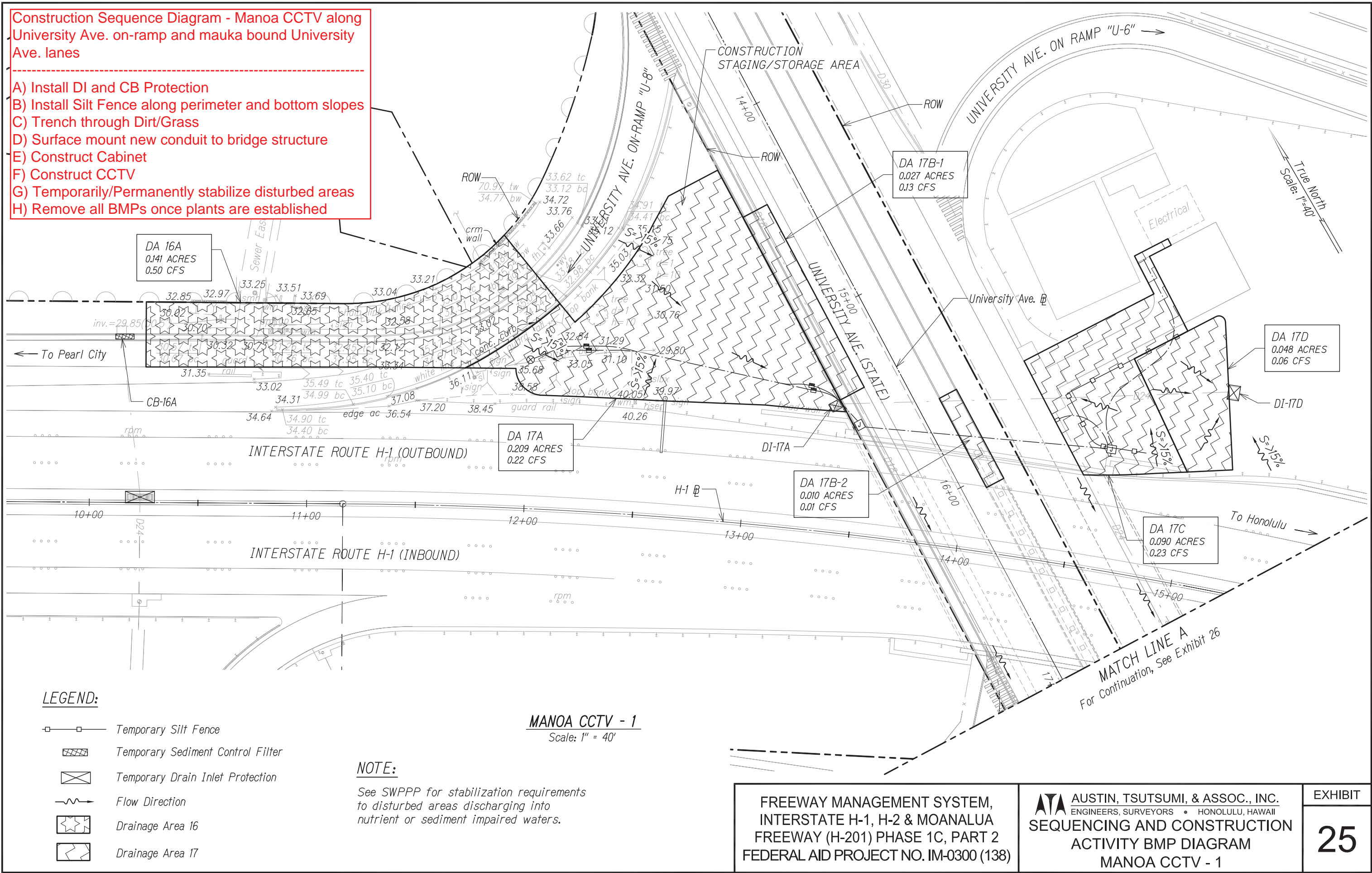
AUSTIN, TSUTSUMI, & ASSOC., INC.
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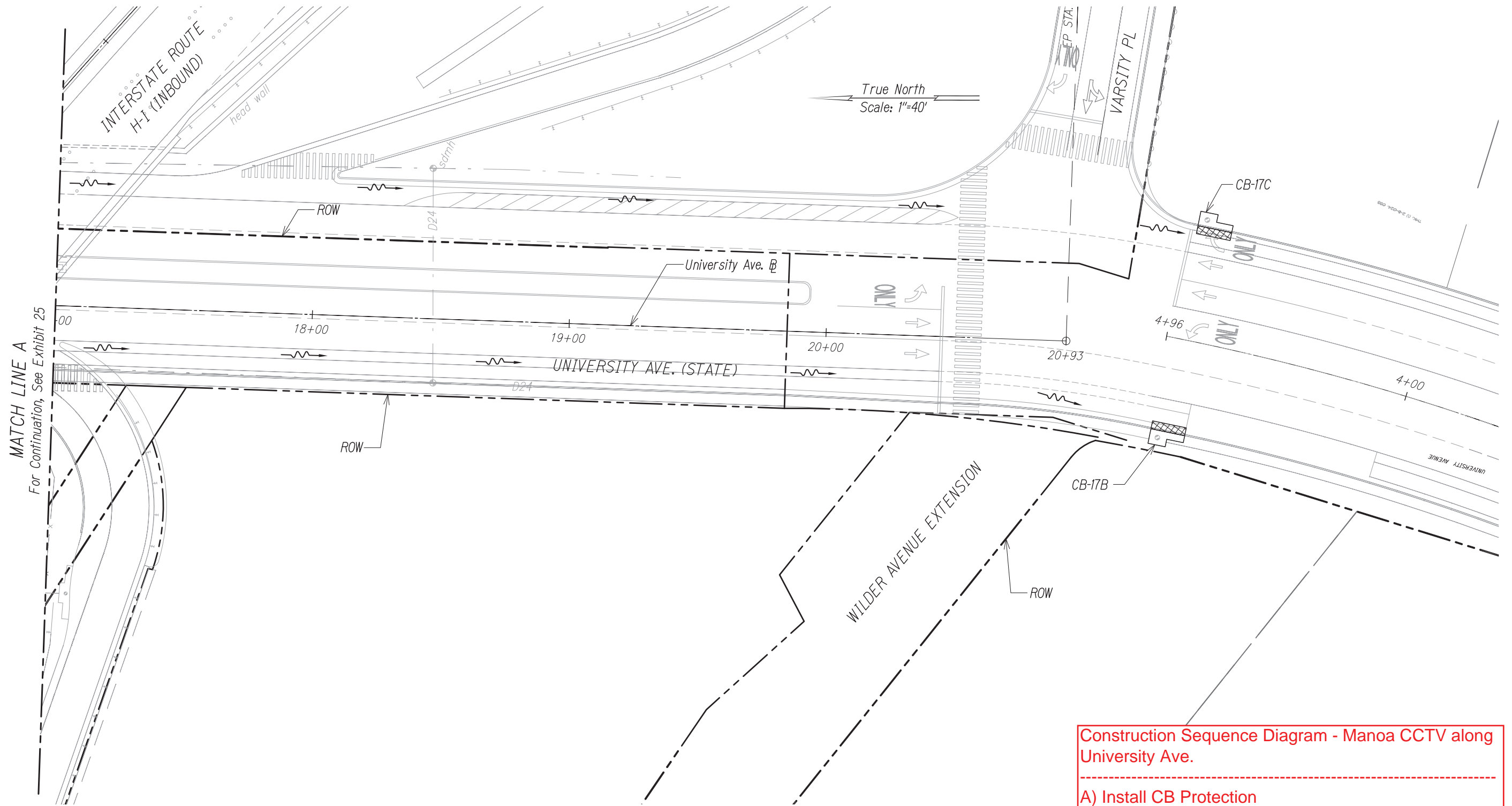
**SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
MCCULLY CCTV**

EXHIBIT



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LEGEND:

-  Temporary Sediment Control Filter
-  Flow Direction

MANOA CCTV - 2
Scale: 1" = 40'

Construction Sequence Diagram - Manoa CCTV along University Ave.

A) Install CB Protection
B) Remove all BMPs once construction is complete

FREEWAY MANAGEMENT SYSTEM,
INTERSTATE H-1, H-2 & MOANALUA
FREEWAY (H-201) PHASE 1C, PART 2
FEDERAL AID PROJECT NO. IM-0300 (138)

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**SEQUENCING AND CONSTRUCTION
ACTIVITY BMP DIAGRAM
MANOA CCTV - 2**

EXHIBIT

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