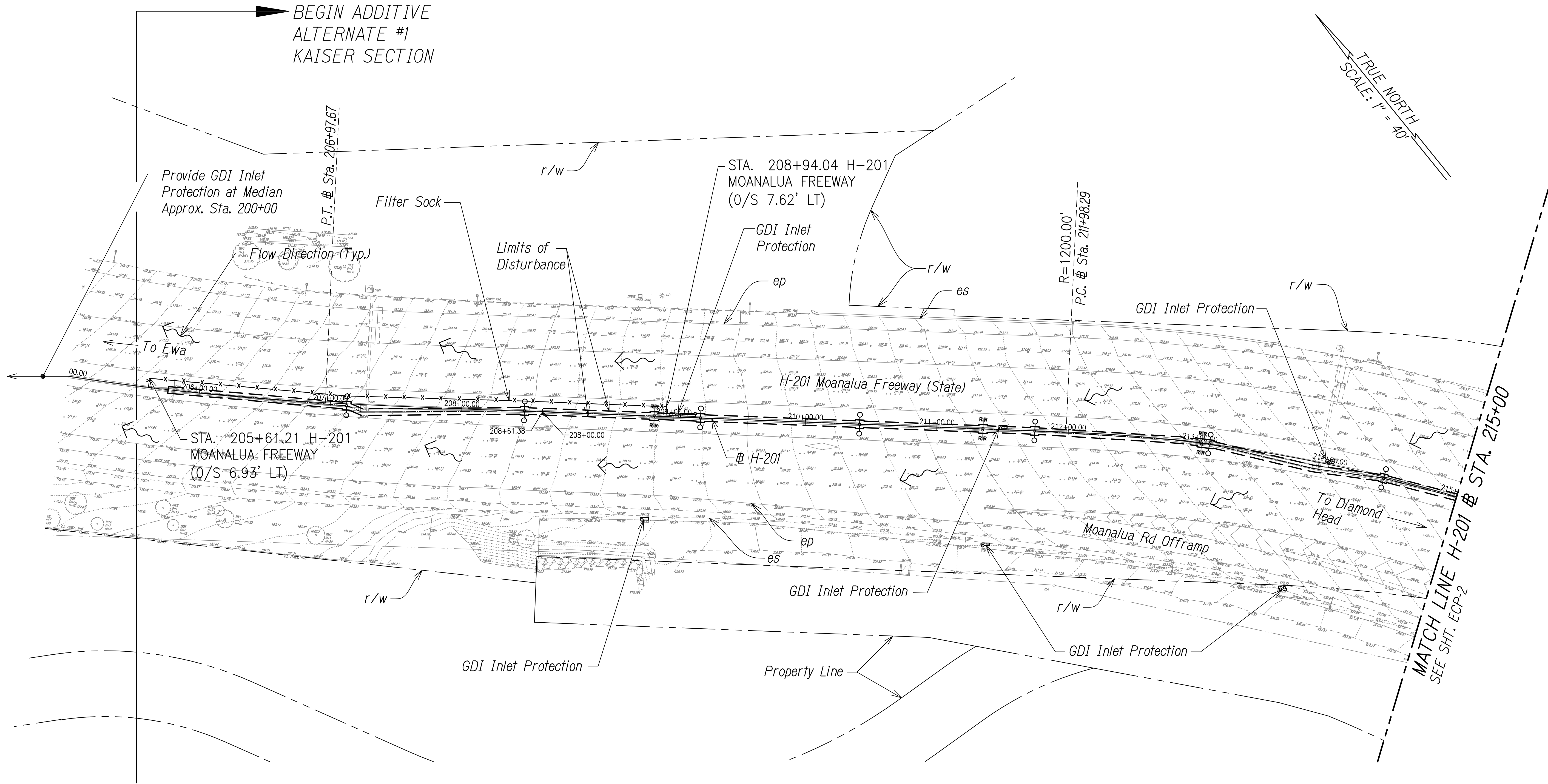


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	9	140



TRUE NORTH
SCALE: 1" = 40'

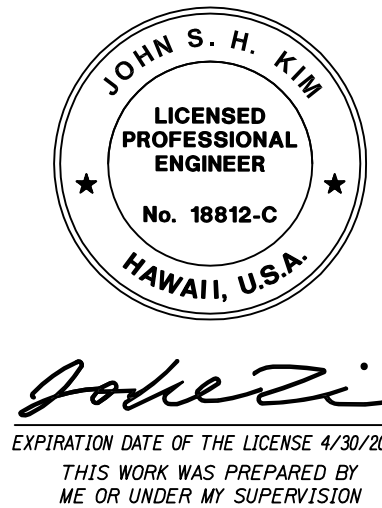
Legend:

- | | | | |
|--|---------------------------------|--|---|
| | Surface Flow Direction | | New Light Pole,
See Elec Dwgs |
| | Drain Inlet Protection | | Exist Light Pole
to be Removed,
See Elec Dwgs |
| | Catch Basin Inlet
Protection | | Underground Ductline,
See Elec Dwgs |
| | Compost Filter Sock | | |
| | Limits of Disturbance | | |

STA. 205+00 TO 215+00 (H-201) (ADDITIVE ALT. #1)

Notes:

- 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

EROSION CONTROL PLAN

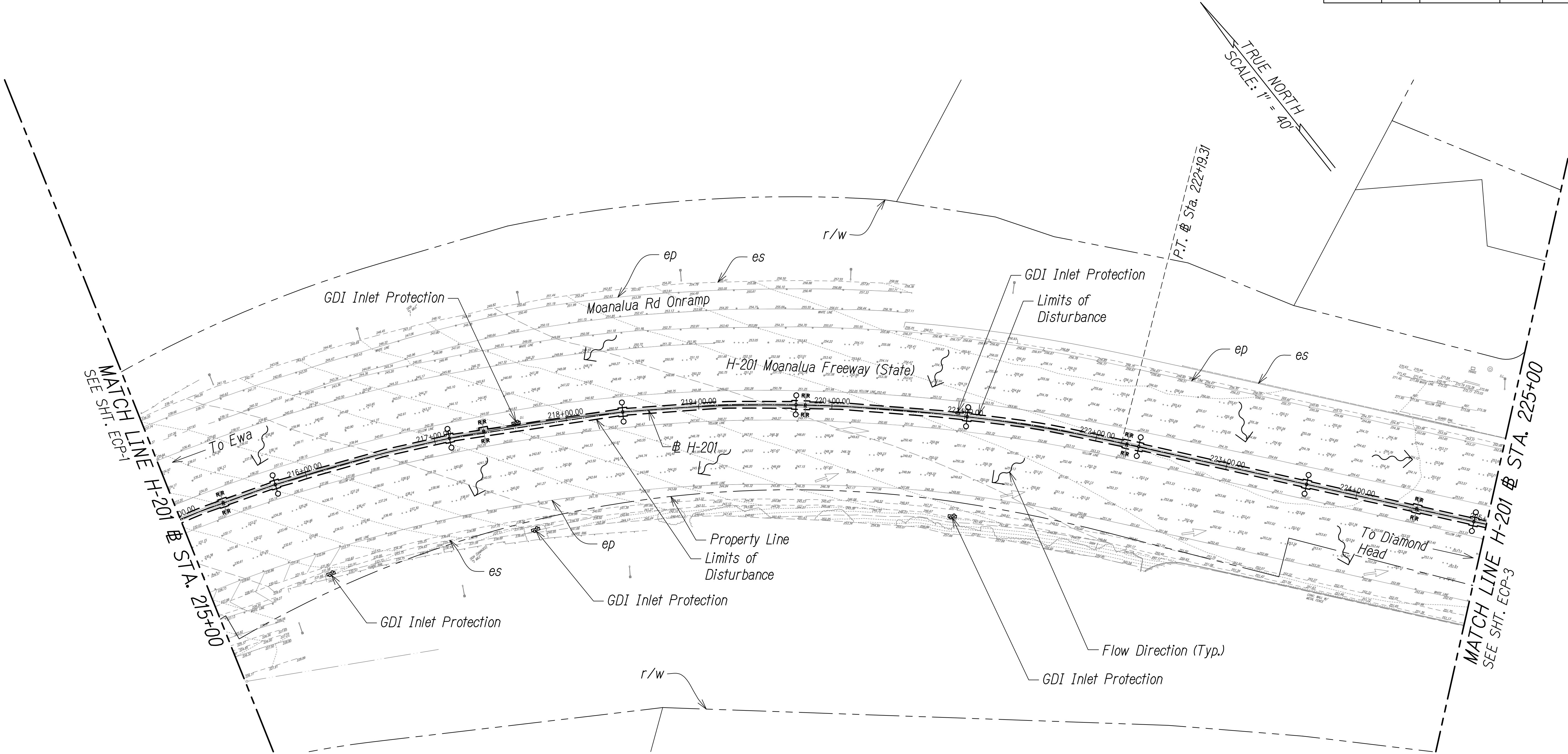
MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-1 OF 12 SHEETS

SURVEY PLOTTED BY	DATE
ORIGINAL PLAN	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	10	140



SURVEY PLANNED BY	DATE
ORIGINAL PLAN	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

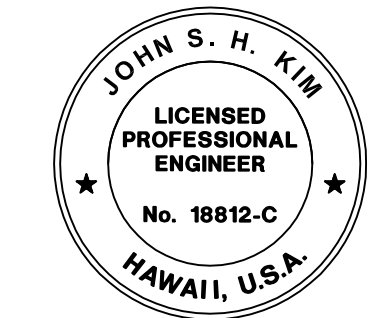
Legend:

- | | | | |
|--|---------------------------------|--|--|
| | Surface Flow Direction | | New Light Pole,
See Elec Dwgs |
| | Drain Inlet Protection | | Exist Light Pole
to be Removed,
See Elect Dwgs |
| | Catch Basin Inlet
Protection | | Underground Ductline,
See Elec Dwgs |
| | Compost Filter Sock | | |
| | Limits of Disturbance | | |

STA. 215+00 TO 225+00 (# H-201) (ADDITIVE ALT. #1)

Notes:

- 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.



John S. H. Kim
EXPIRATION DATE OF THE LICENSE 4/30/2022
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL PLAN

MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-2 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	12	140

MATCH LINE H-201 @ STA. 235+00
SEE SHT. ECP-3

MATCH LINE H-201 @ STA. 245+00
SEE SHT. ECP-5

Legend:

- | | | | |
|--|------------------------------|--|--|
| | Surface Flow Direction | | New Light Pole,
See Elec Dwg |
| | Drain Inlet Protection | | Exist Light Pole
to be Removed,
See Elec Dwg |
| | Catch Basin Inlet Protection | | Underground Ductline,
See Elec Dwg |
| | Compost Filter Sock | | |
| | Limits of Disturbance | | |

STA. 235+00 TO 245+00 (@ H-201) (ADDITIVE ALT. #1)

Notes:

- 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

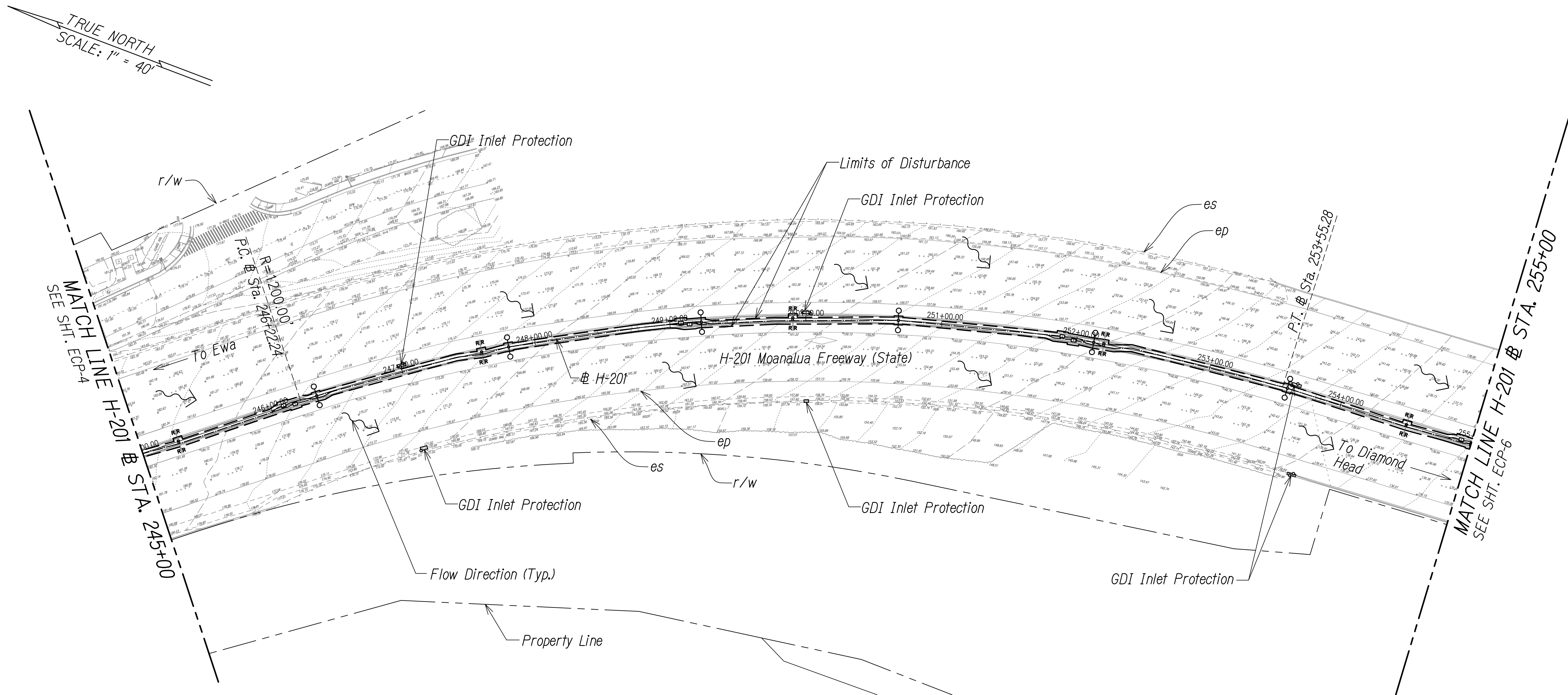
EROSION CONTROL PLAN

MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-4 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	13	140



Legend:

- | | | | |
|--|---------------------------------|--|---|
| | Surface Flow Direction | | New Light Pole,
See Elec Dwg |
| | Drain Inlet Protection | | Exist Light Pole
to be Removed,
See Elect Dwg |
| | Catch Basin Inlet
Protection | | Underground Ductline,
See Elec Dwg |
| | Compost Filter Sock | | |
| | Limits of Disturbance | | |

STA. 245+00 TO 255+00 (# H-201) (ADDITIVE ALT. #1)

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

EROSION CONTROL PLAN

MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

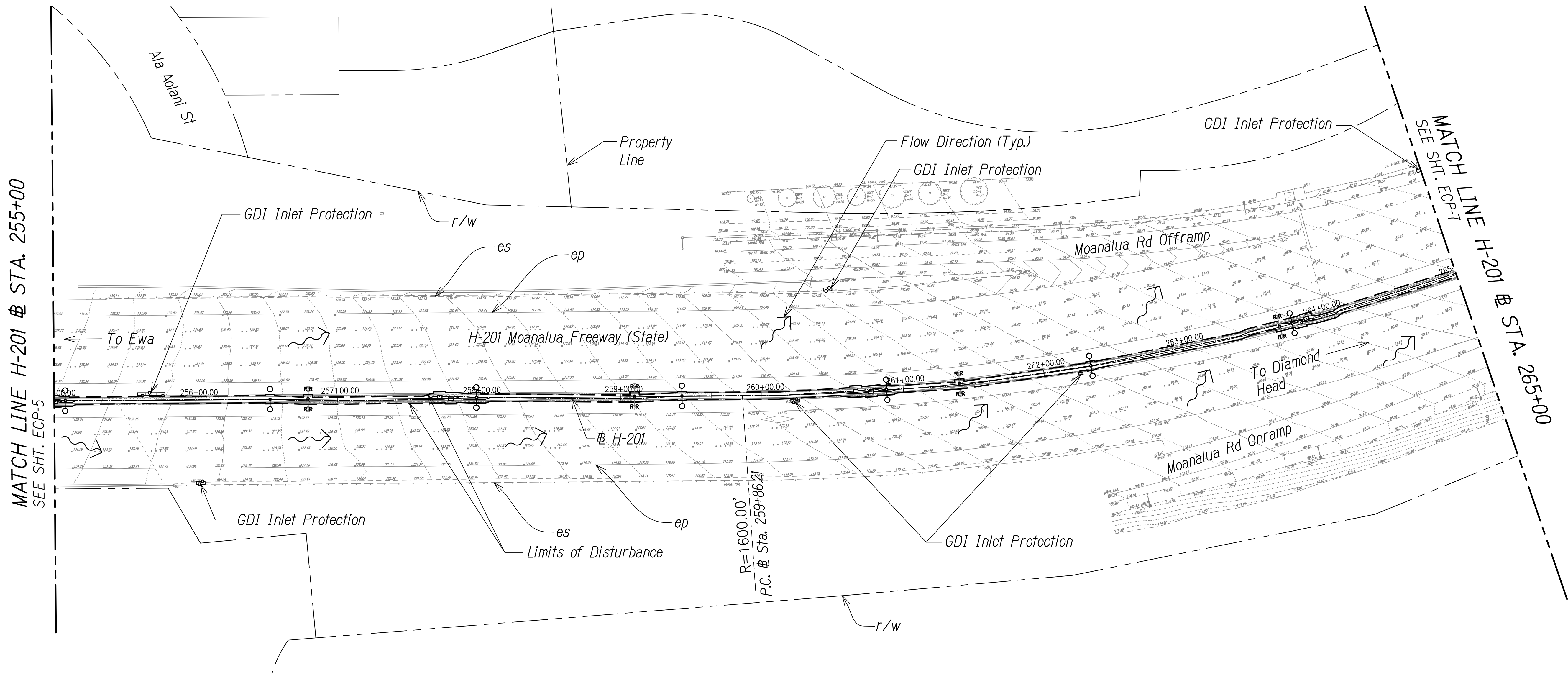
Scale: 1" = 40' Date: July 2020

SHEET No. ECP-5 OF 12 SHEETS

SURVEY PLOTTED BY	DATE
ORIGINAL PLAN	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	14	140

TRUE NORTH
SCALE: 1" = 40'



Legend:

- | | | | |
|--|---------------------------------|--|--|
| | Surface Flow Direction | | New Light Pole,
See Elec Dwg |
| | Drain Inlet Protection | | Exist Light Pole
to be Removed,
See Elec Dwg |
| | Catch Basin Inlet
Protection | | Underground Ductline,
See Elec Dwg |
| | Compost Filter Sock | | Limits of Disturbance |
| | Limits of Disturbance | | |

STA. 255+00 TO 265+00 (H-201) (ADDITIVE ALT. #1)

Notes:

- 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

EROSION CONTROL PLAN

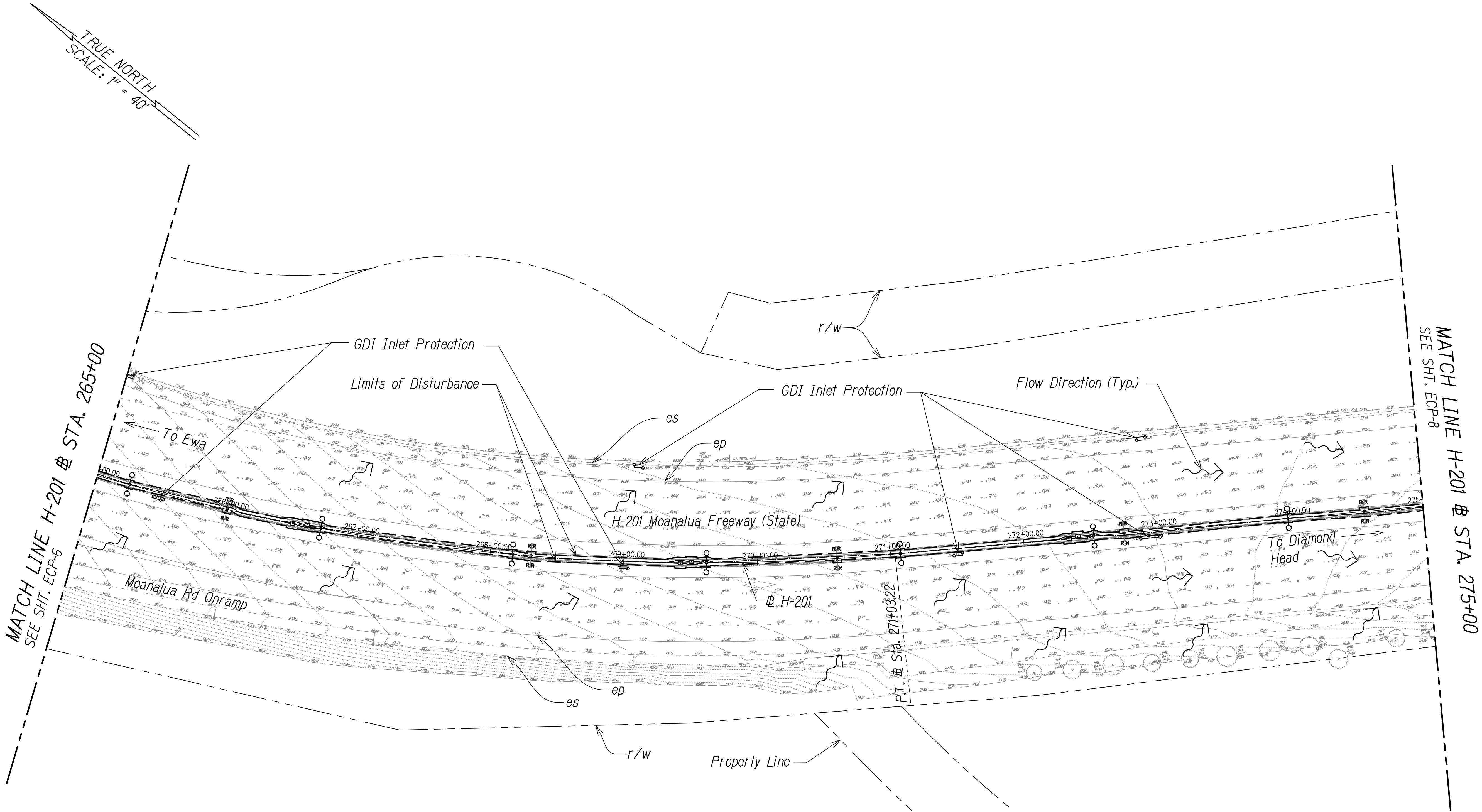
MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-6 OF 12 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	15	140



Legend:

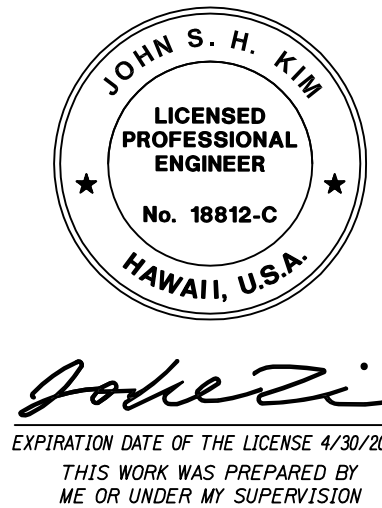
- | | | | |
|--|---------------------------------|--|--|
| | Surface Flow Direction | | New Light Pole,
See Elec Dwg |
| | Drain Inlet Protection | | Exist Light Pole
to be Removed,
See Elec Dwg |
| | Catch Basin Inlet
Protection | | Underground Ductline,
See Elec Dwg |
| | Compost Filter Sock | | |
| | Limits of Disturbance | | |

STA. 265+00 TO 275+00 (# H-201) (ADDITIVE ALT. #1)

Notes:

- 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.

SURVEY PLOTTED BY	DATE
ORIGINAL PLAN	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

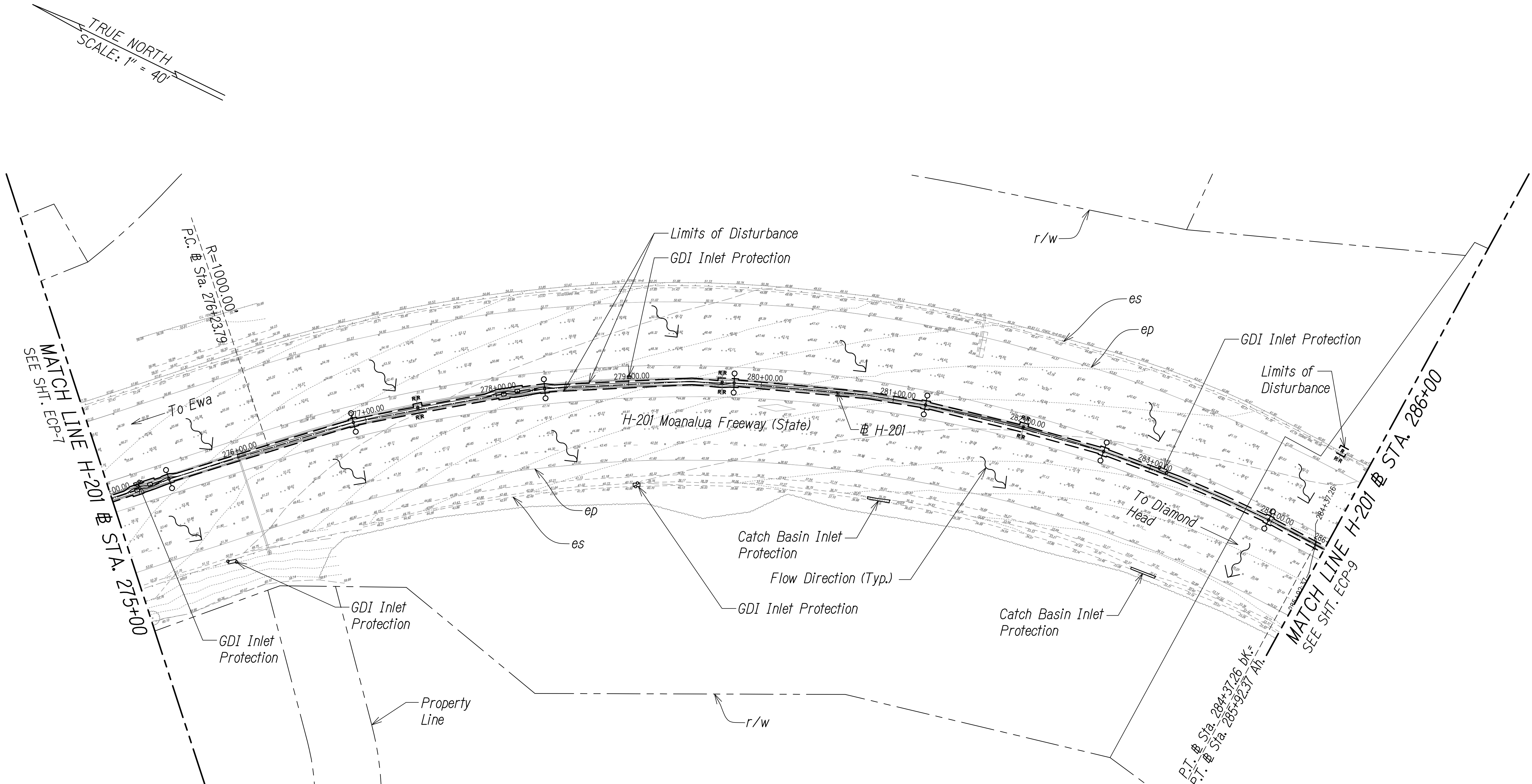
EROSION CONTROL PLAN

MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-7 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	16	140



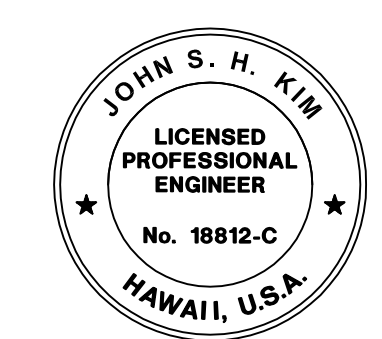
Legend:

- | | | | |
|--|------------------------------|--|---|
| | Surface Flow Direction | | New Light Pole, See Elec Dwg |
| | Drain Inlet Protection | | Exist Light Pole to be Removed, See Elect Dwg |
| | Catch Basin Inlet Protection | | Underground Ductline, See Elec Dwg |
| | Compost Filter Sock | | |
| | Limits of Disturbance | | |

STA. 275+00 TO 286+00 (# H-201) (ADDITIVE ALT. #1)

Notes:

- 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.



John S. H. Kim
EXPIRATION DATE OF THE LICENSE 4/30/2022
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL PLAN

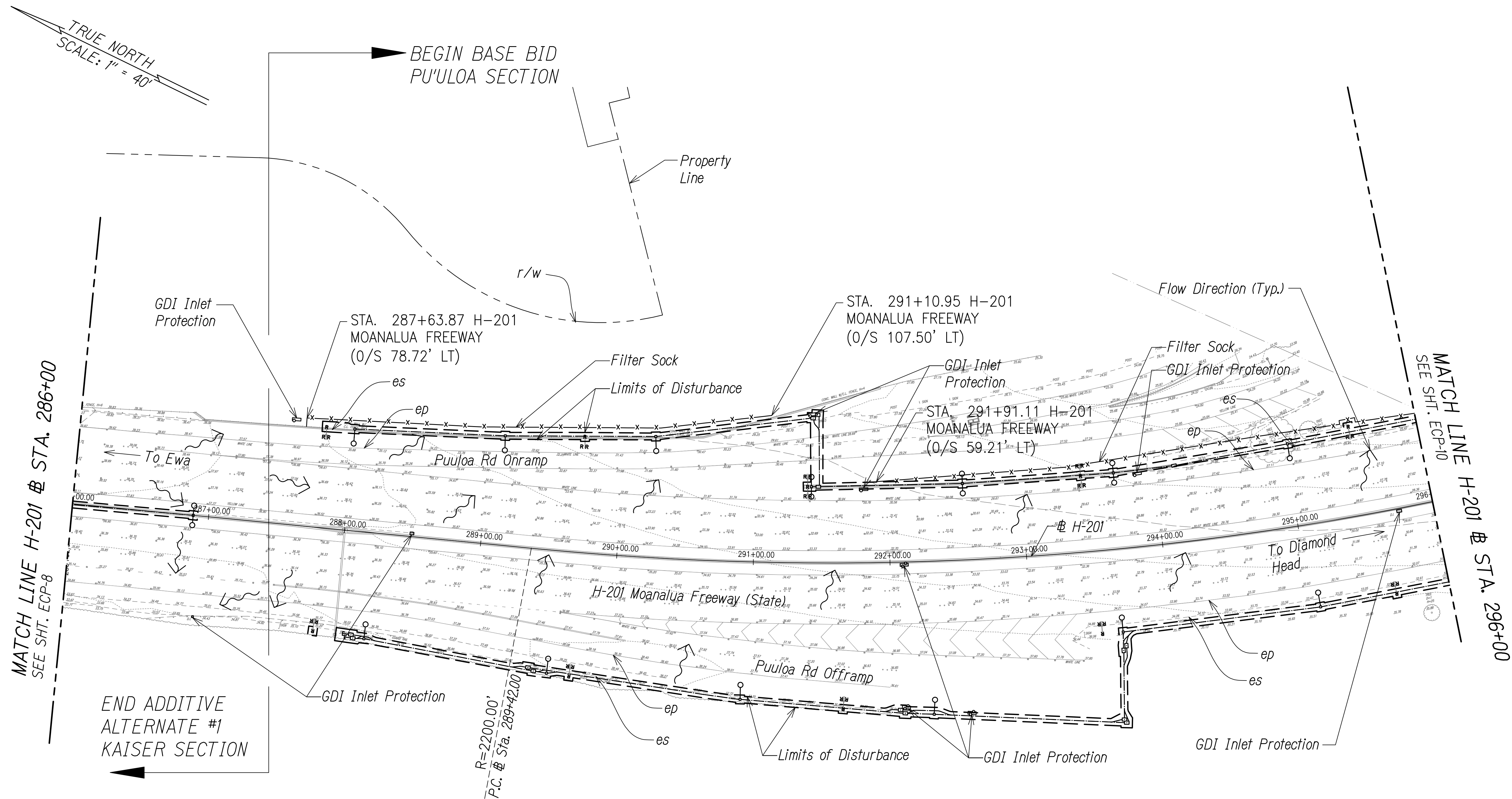
MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-8 OF 12 SHEETS

SURVEY PLOTTED BY	DATE
ORIGINAL PLAN	
DRAWN BY	
TRACED BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H201(K005) Ph2	2020	17	140



SURVEY PLANNED BY	DATE
ORIGINAL PLAN	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

Legend:

	Surface Flow Direction		New Light Pole, See Elec Dwg
	Drain Inlet Protection		Exist Light Pole to be Removed, See Elec Dwg
	Catch Basin Inlet Protection		Underground Ductline, See Elec Dwg
	Compost Filter Sock		
	Limits of Disturbance		

STA. 286+00 TO 296+00 (@ H-201) (ADDITIVE ALT. #1 @ BASE BID)

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

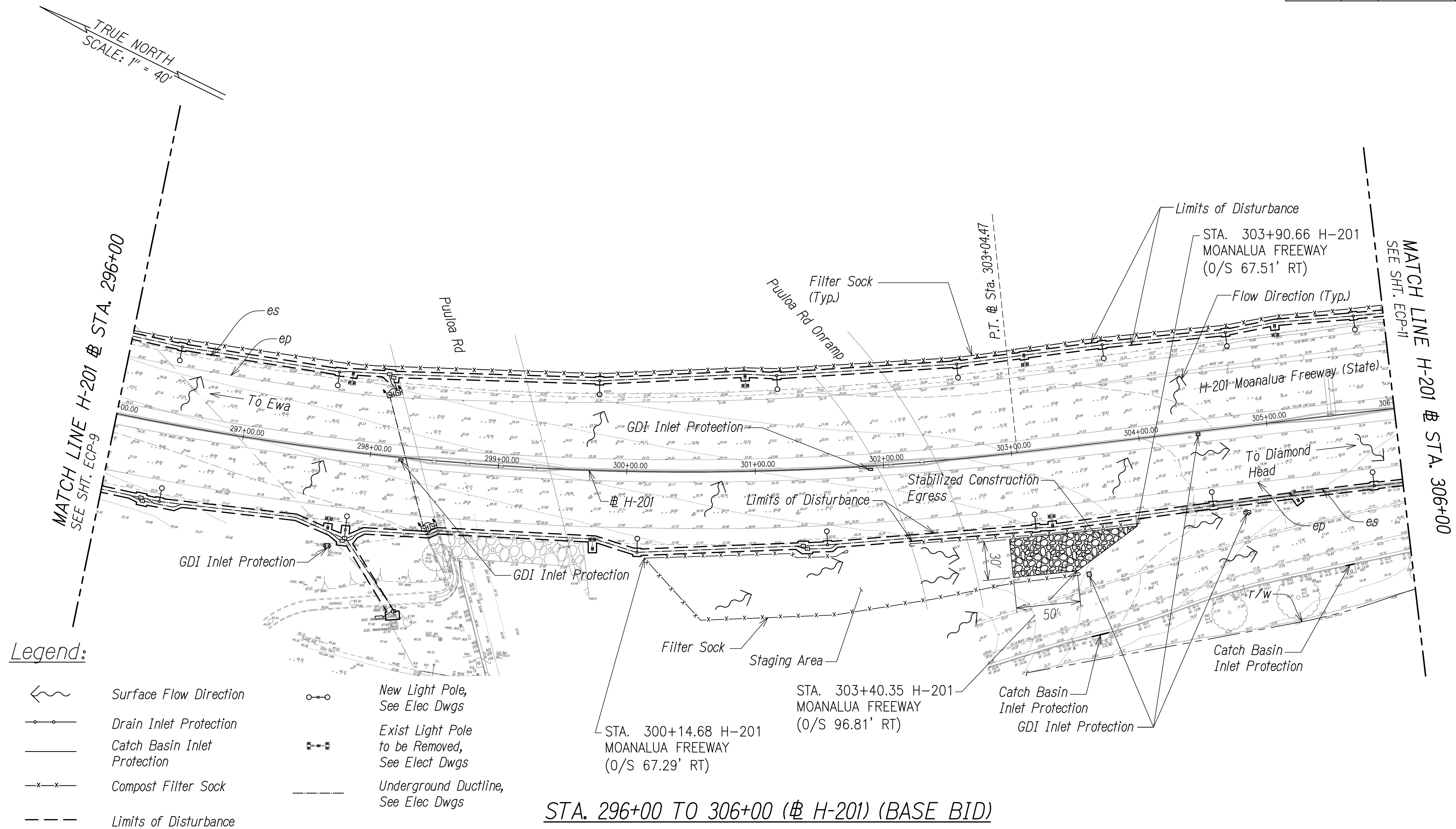
EROSION CONTROL PLAN

MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H201(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-9 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	18	140

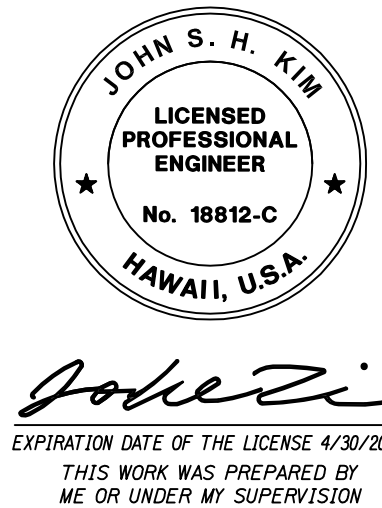


Legend:

- Surface Flow Direction
- Drain Inlet Protection
- Catch Basin Inlet Protection
- Compost Filter Sock
- Limits of Disturbance
- New Light Pole, See Elec Dwgs
- Exist Light Pole to be Removed, See Elec Dwgs
- Underground Ductline, See Elec Dwgs

Notes:

- 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.
- Contractor may only stage in designated staging areas as shown on plan unless approved by the Engineer. Additional time to begin on-site construction may not be granted to amend or add permits and clearances for areas outside of these designated staging areas.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

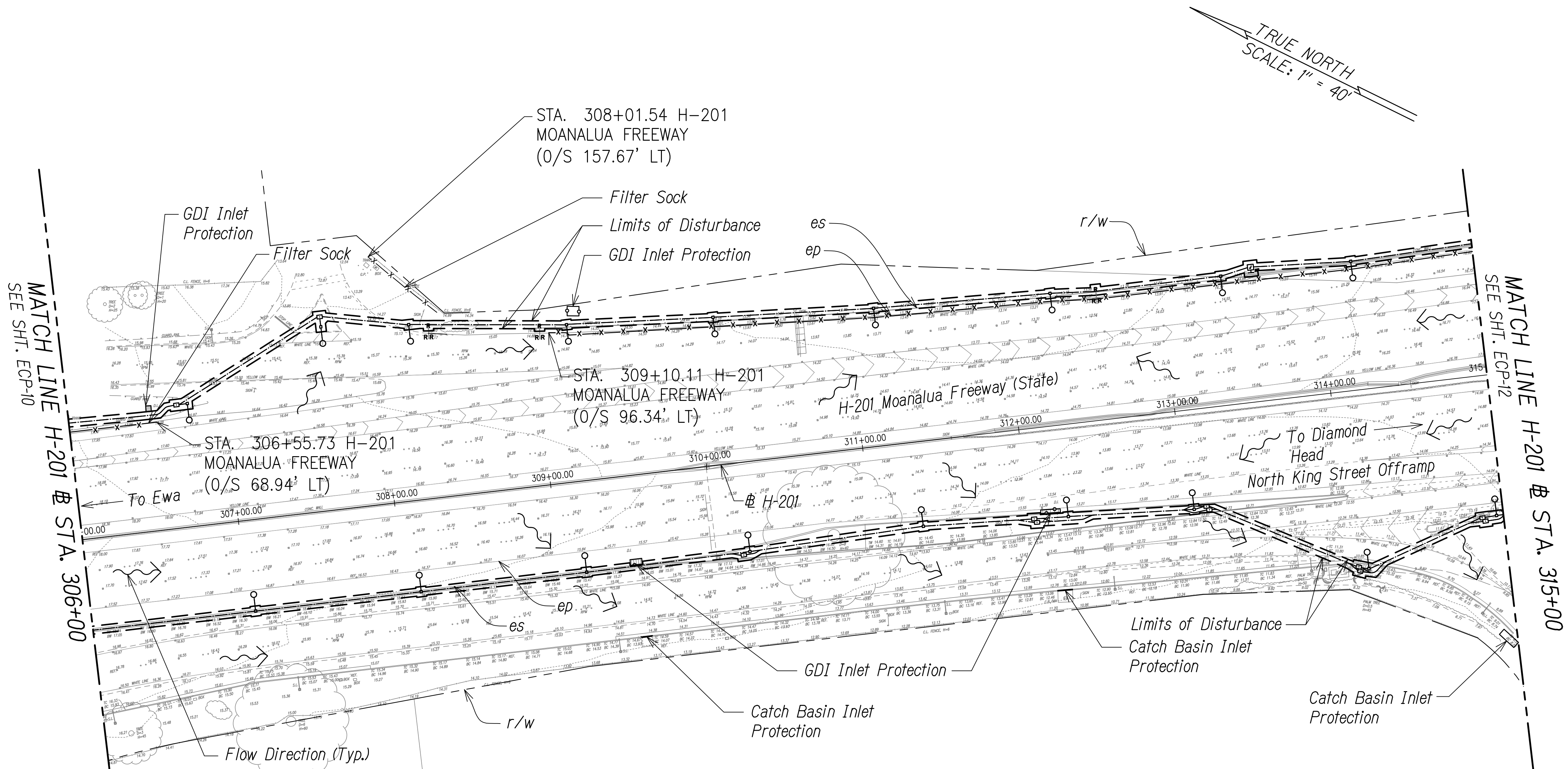
EROSION CONTROL PLAN

MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-10 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	19	140



Legend:

- | | | | |
|--|---------------------------------|--|--|
| | Surface Flow Direction | | New Light Pole,
See Elec Dwg |
| | Drain Inlet Protection | | Exist Light Pole
to be Removed,
See Elec Dwg |
| | Catch Basin Inlet
Protection | | Underground Ductline,
See Elec Dwg |
| | Compost Filter Sock | | |
| | Limits of Disturbance | | |

STA. 306+00 TO 315+00 (# H-201) (BASE BID)

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.



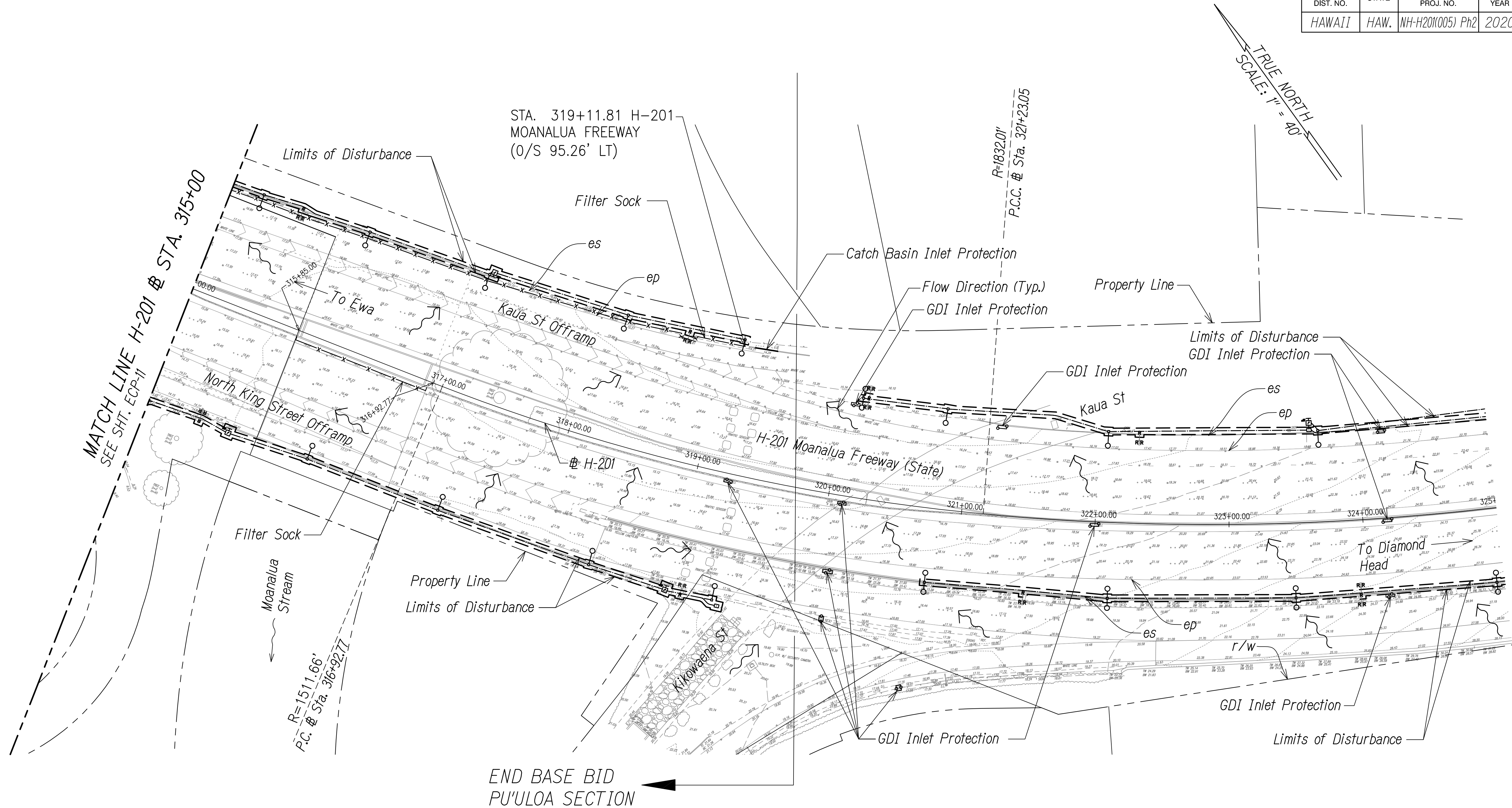
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
EROSION CONTROL PLAN

MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-11 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H20(K005) Ph2	2020	20	140



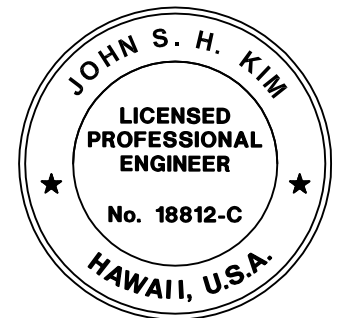
STA. 315+00 TO 325+00 (# H-201) (BASE BID)

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.
2. Project Derived Waste will not be Discharged Directly into Moanalua Stream. The Contractor shall Provide Suitable Positive Means of Capturing Debris from Construction and Demolition Operations. These Facilities shall be in Place Prior to Starting Demolition Work.

Legend:

- | | | | |
|--|---------------------------------|--|--|
| | Surface Flow Direction | | New Light Pole,
See Elec Dwg |
| | Drain Inlet Protection | | Exist Light Pole
to be Removed,
See Elec Dwg |
| | Catch Basin Inlet
Protection | | Underground Ductline,
See Elec Dwg |
| | Compost Filter Sock | | |
| | Limits of Disturbance | | |



John S. H. Kim
EXPIRATION DATE OF THE LICENSE 4/30/2022
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL PLAN

MOANALUA FREEWAY, HIGHWAY LIGHTING IMPROVEMENTS
Halawa Heights Off-ramp to Middle St. Overpass
FAP NO. NH-H20(K005) PHASE 2

Scale: 1" = 40' Date: July 2020

SHEET No. ECP-12 OF 12 SHEETS

SURVEY PLANNED BY	DATE
ORIGINAL PLAN	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	