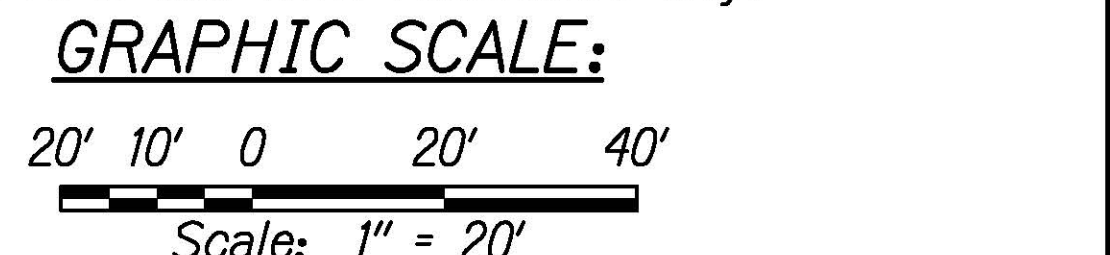


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 84	243

8	Sta. 29+08 O/S 9' Rt.	10	Sta. 30+03 O/S 8' Rt.
9	Sta. 29+87 O/S 72' Rt.	11	Sta. 30+32 O/S 33' Rt.

APPROVED:
MANAGER AND CHIEF ENGINEER, BWS
(For work affecting BWS Facilities in
City/State R/W and BWS Easements only)



DATE	REVISION
4/16/21	Updated Note 7 and Added Call-out - BWS Comments 4/12/21
3/26/21	Added Note 7 and BWS approval block

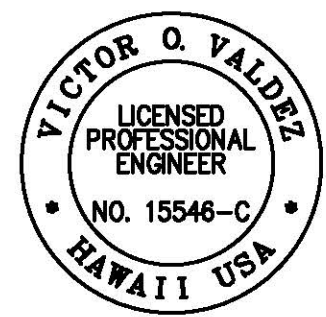
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

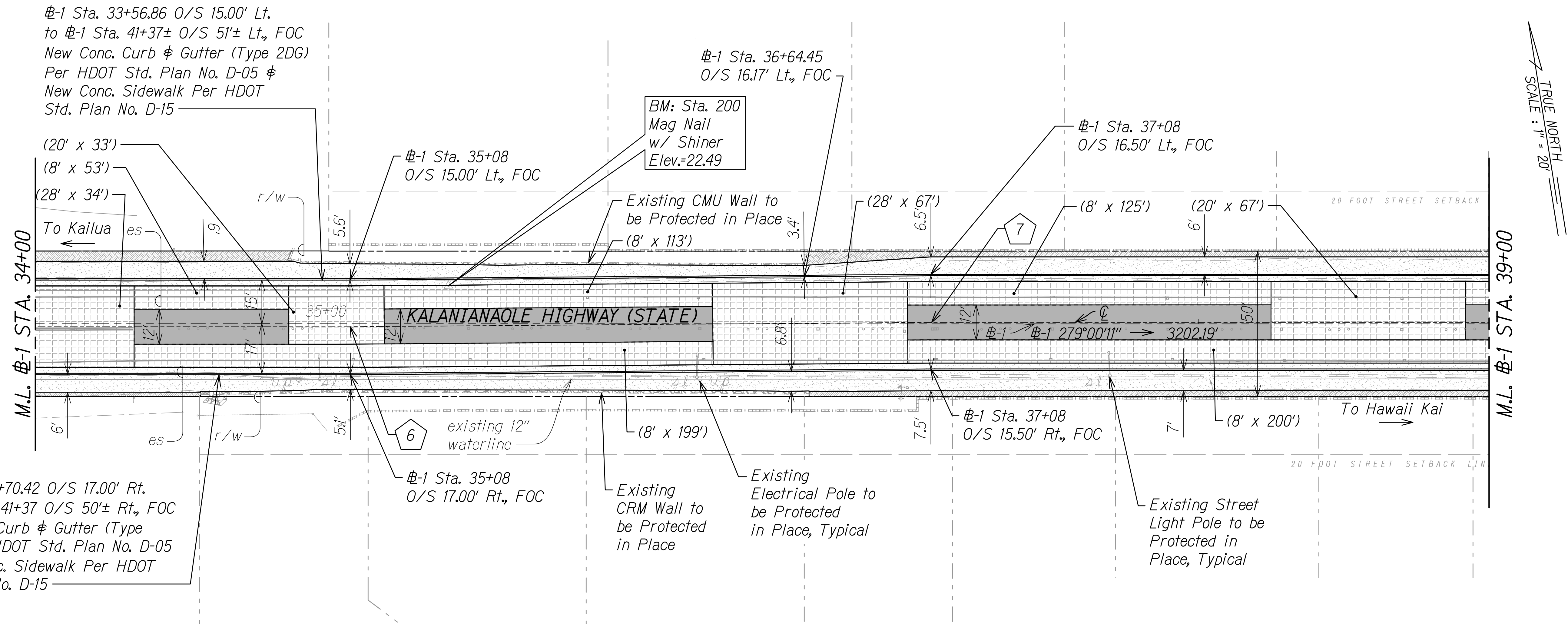
Scale: 1" = 20' Date: March 2021

SHEET No. R1 OF 66 SHEETS



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
04/30/22
SIGNATURE EXPIRATION DATE OF THE LICENSE

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	85	243



TRUE NORTH
SCALE: 1" = 20'

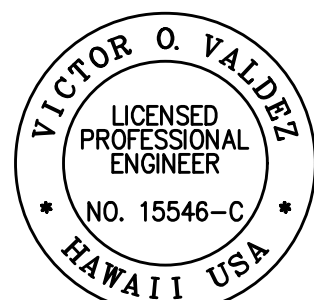
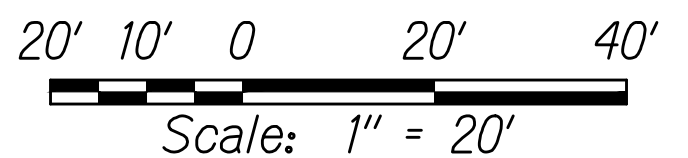
LEGEND:

- Resurfacing Limits:**
- 5" Cold Plane
 - 2" PMA
 - 3" HMA (Mix IV)
- Top Soil Backfill**
- Pavement Reconstruction:**
- 10" Cold Plane
 - 2" PMA
 - 3" HMA
 - 5" HMABC
- PCC Sidewalk and Curb and Gutter**
- Dimensions of Pavement Reconstruction Areas (Width x Length)**
- Roadway Centerline**
(See Sheet C23 for Horizontal Data)

NOTES:

- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE: [Signature] EXPIRATION DATE OF THE LICENSE: 04/30/22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

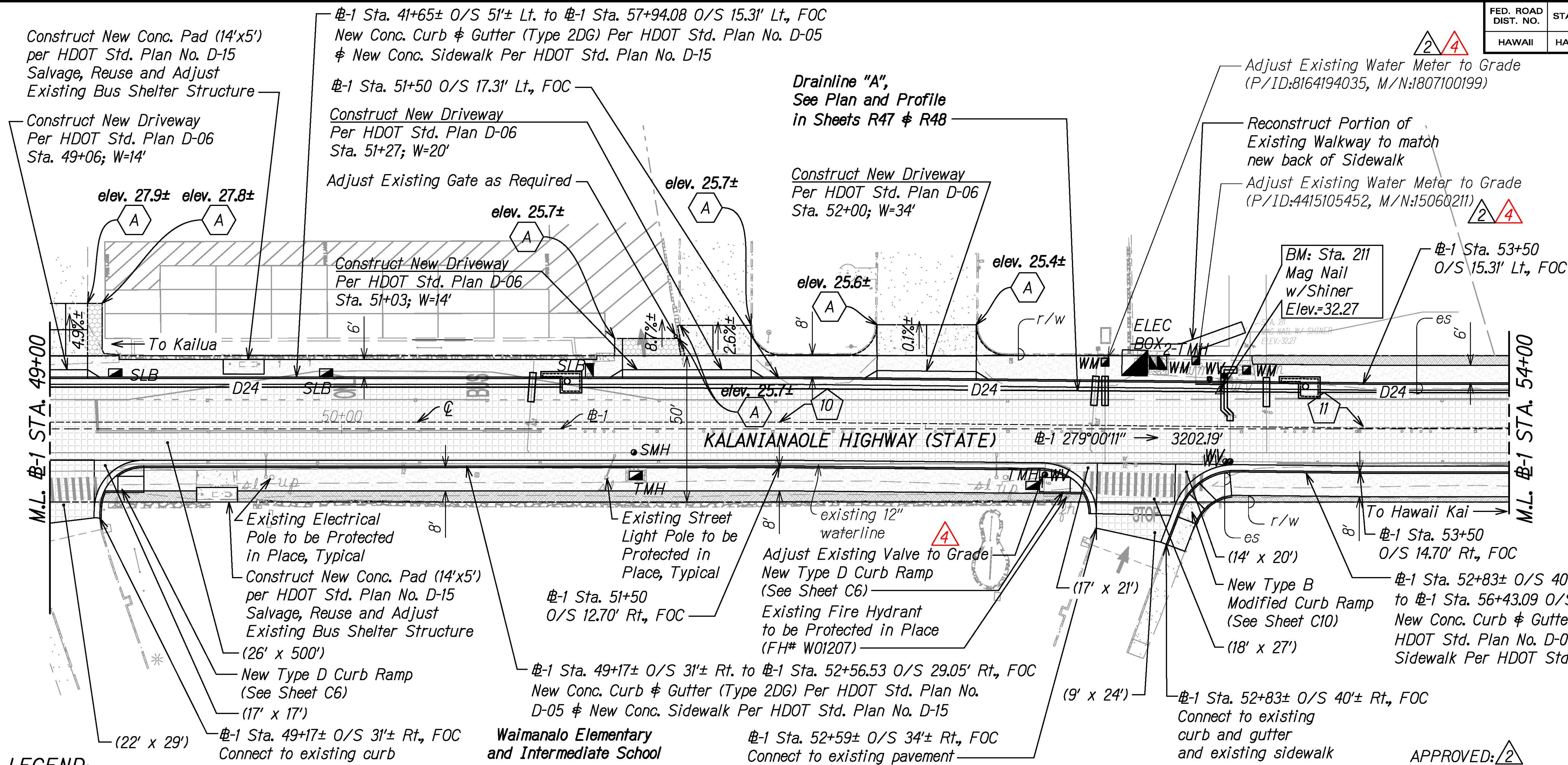
ROADWAY PLAN

KALANIANAʻOLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R2 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 88	243



LEGEND:

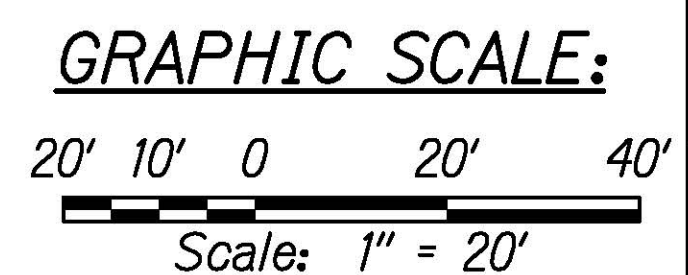
- Pavement Reconstruction:
 - 10" Cold Plane
 - 2" PMA
 - 3" HMA
 - 5" HMABC
- Top Soil Backfill
- PCC Sidewalk and Curb and Gutter
- A.C. Driveways
 - 2" HMA (Mix IV)
 - 6" HMA Conc. Base
- PCC Driveways
 - 8" Conc. Pavement
 - 6" Aggregate Subbase
- Dimensions of Pavement Reconstruction Areas (Width x Length)
- Roadway Centerline (See Sheet C23 for Horizontal Data)
- match to existing driveway

NOTES:

- For Signs and Sign Posts Adjustment, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- All private driveways (beyond the State ROW) that require reconstruction shall consist of 2" Hot Mix AC Pavement, Mix No. IV and 6" Hot Mix Asphalt Concrete Base Course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- Adjust Water Manhole and Water Valve covers to new roadway pavement finished grade.

APPROVED: [Signature]

MANAGER AND CHIEF ENGINEER, BWS DATE
(For work affecting BWS Facilities in City/State R/W and BWS Easements only)



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Signature: [Signature] 04/30/22

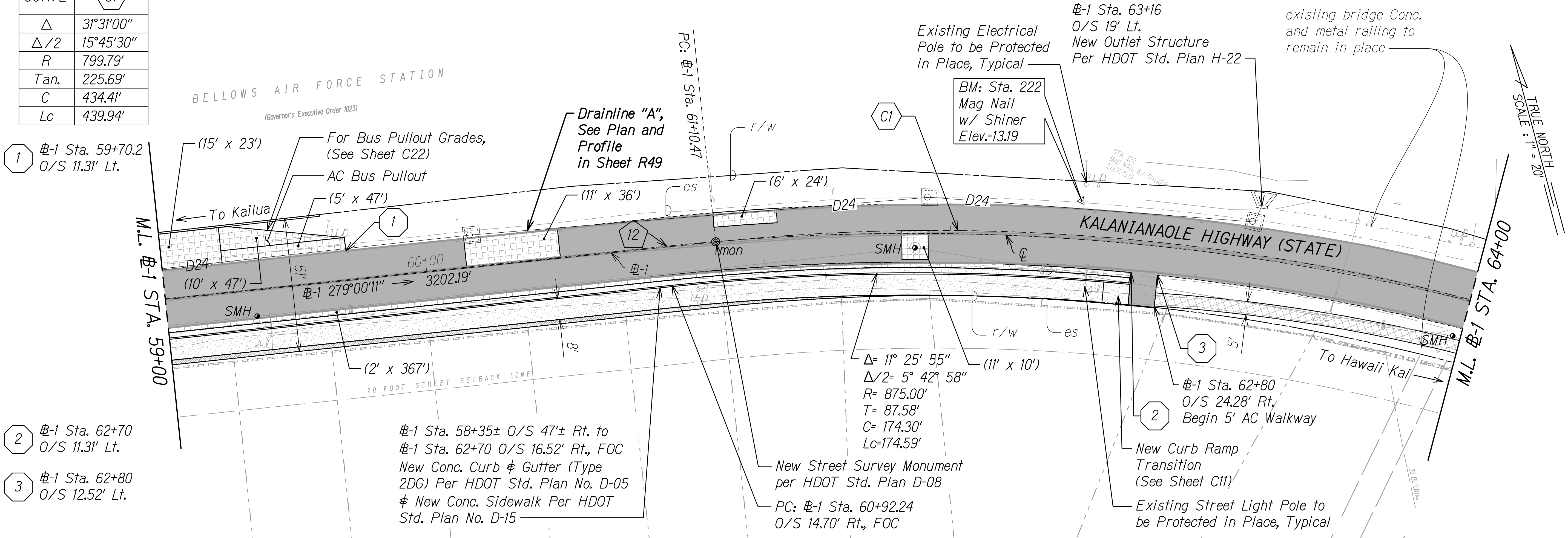
EXPIRATION DATE OF THE LICENSE

4/16/21	Updated Note 6 and Added Call-out - BWS Comments 4/12/21
3/26/21	Added Meter Numbers, Note 6 and BWS approval block
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2	
Poalima Street to Vicinity of Makai Pier	
Federal-Aid Project No. NH-072-1(059)	
Scale: 1" = 20'	Date: March 2021
SHEET No. R5 OF 66 SHEETS	

#-1 CURVE DATA:

CURVE	C1
Δ	31°31'00"
$\Delta/2$	15°45'30"
R	799.79'
Tan.	225.69'
C	434.41'
Lc	439.94'

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	90	243



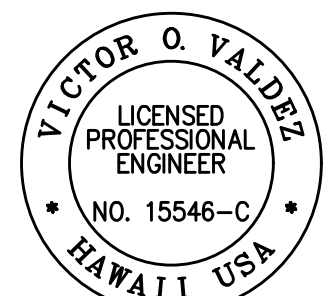
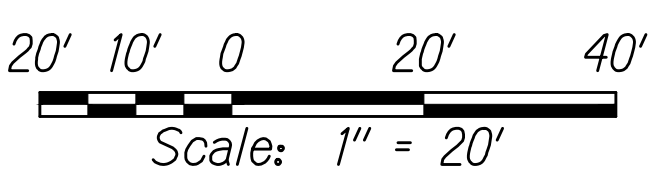
LEGEND:

- Resurfacing Limits:
 - 5" Cold Plane
 - 2" PMA
 - 3" HMA (Mix IV)
- Top Soil Backfill
- AC Walkway Resurfacing:
 - 2" Cold Plane
 - 2" HMA (Mix IV)
- Pavement Reconstruction (Including Bus Pullout):
 - 10" Cold Plane
 - 2" PMA
 - 3" HMA
 - 5" HMABC
- PCC Sidewalk and Curb and Gutter
- Dimensions of Pavement Reconstruction Areas (Width x Length): (38' x 38')
- Roadway Centerline (See Sheet C23 for Horizontal Data)
- Resurfacing Limits Station and Offset

NOTES:

- For Signs and Sign Posts Adjustment, See Pavement Marking and Signing Plans M1 to M44..
- Contractor shall reference, adjust and/or reset all existing street monuments under the direct supervision of a licensed State of Hawaii Land Surveyor. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of an error ratio of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SIGNATURE: [Signature] EXPIRATION DATE OF THE LICENSE: 04/30/22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Paolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

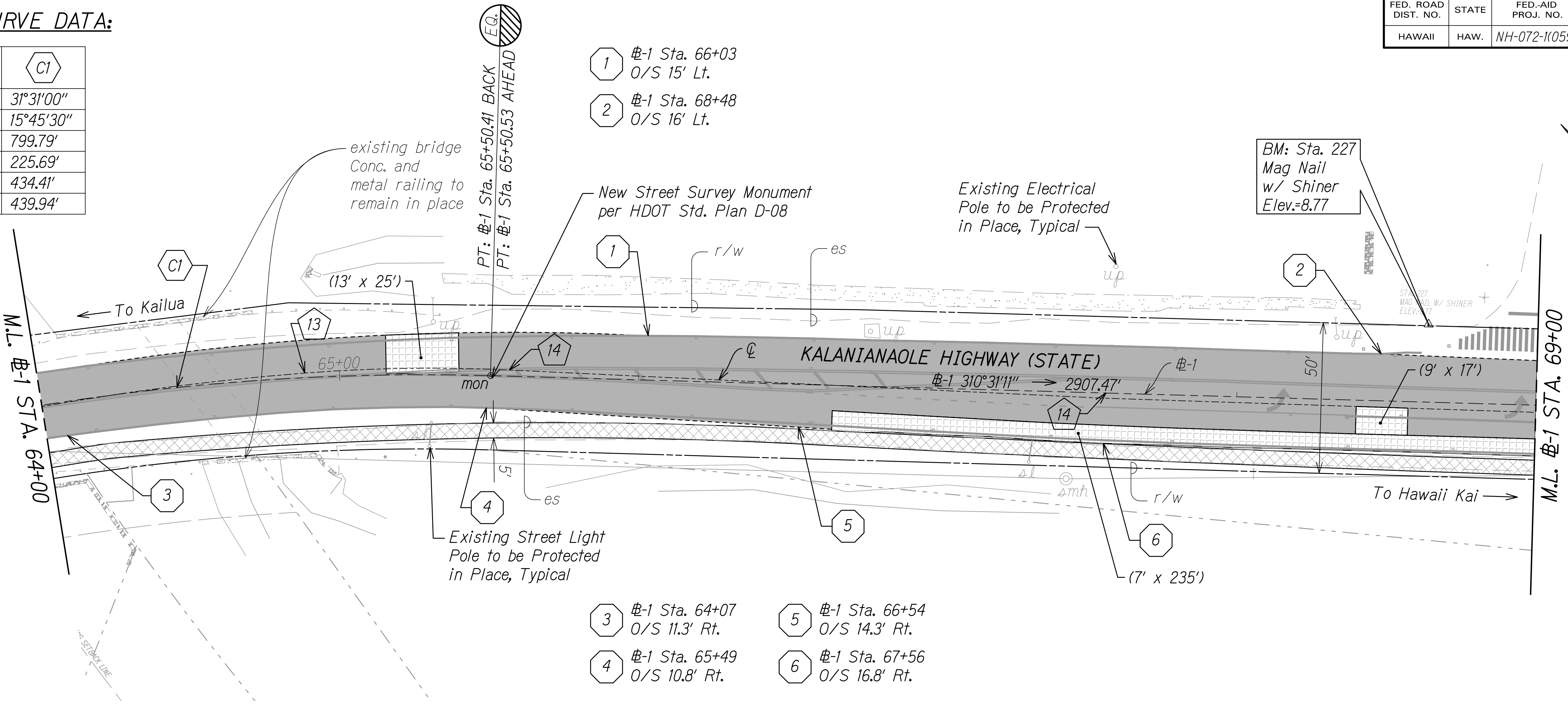
Scale: 1" = 20' Date: January 2021

SHEET No. R7 OF 66 SHEETS

#-1 CURVE DATA:

CURVE	C1
Δ	31°31'00"
$\Delta/2$	15°45'30"
R	799.79'
Tan.	225.69'
C	434.41'
Lc	439.94'

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	91	243



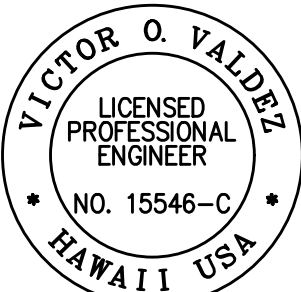
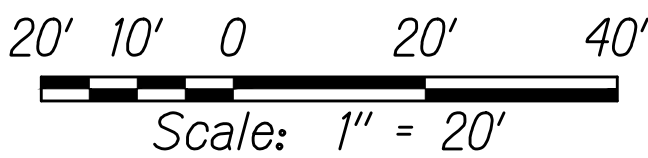
LEGEND:

- Resurfacing Limits:**
5" Cold Plane
2" PMA
3" HMA (Mix IV)
- AC Walkway Resurfacing:**
2" Cold Plane
2" HMA (Mix IV)
- Pavement Reconstruction:**
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)
- 1 Roadway Centerline
(See Sheet C23 for Horizontal Data)
- 1 Resurfacing Limits Station and Offset

NOTES:

- For Signs and Sign Posts Adjustment, See Pavement Marking and Signing Plans M1 to M44.
- Contractor shall reference, adjust and/or reset all existing street monuments under the direct supervision of a licensed State of Hawaii Land Surveyor. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of an error ratio of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

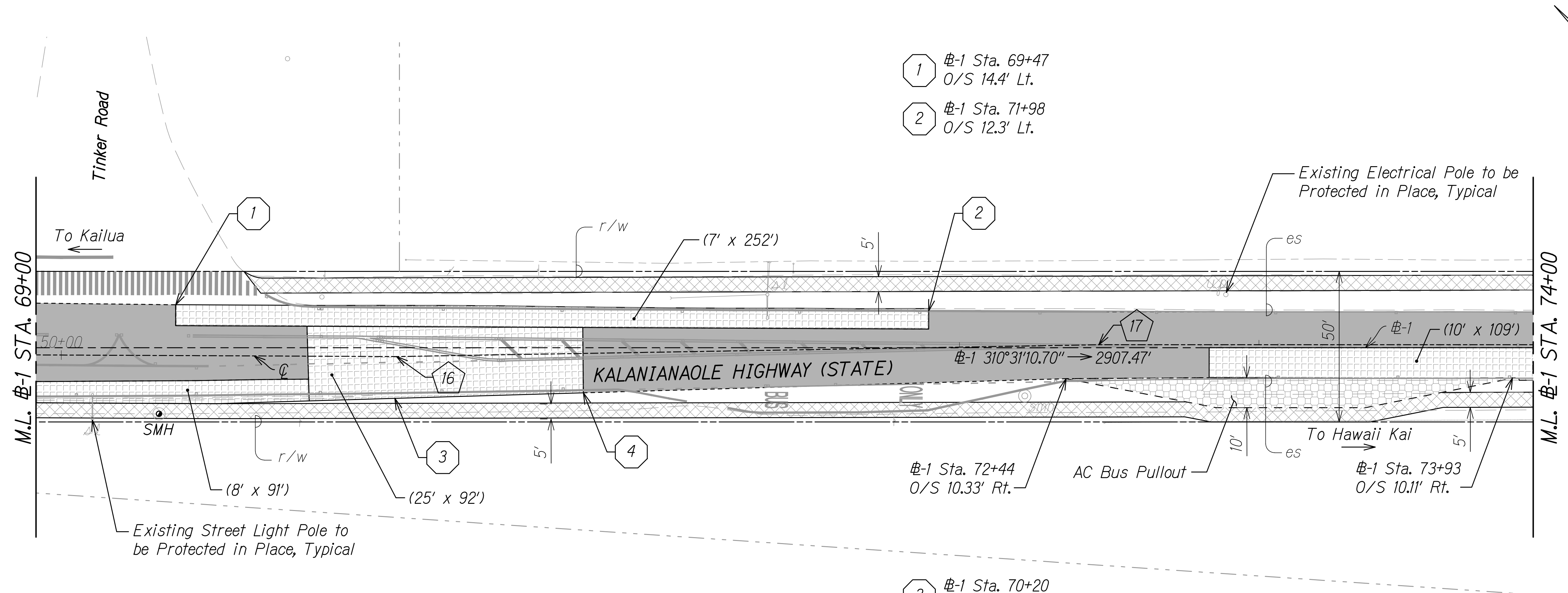
ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R8 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	92	243



TRUE NORTH
SCALE: 1" = 20'

LEGEND:

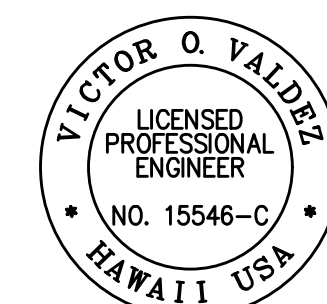
- Resurfacing Limits:**
5" Cold Plane
2" PMA
3" HMA (Mix IV)
- Bus Pad Resurfacing Limits:**
2" Cold Plane
2" PMA
- Pavement Reconstruction:**
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- AC Walkway Resurfacing:**
2" Cold Plane
2" HMA (Mix IV)
- Dimensions of Pavement Reconstruction Areas (Width x Length)**
- 1 Roadway Centerline
(See Sheet C23 for Horizontal Data)
- 1 Resurfacing Limits Station and Offset

NOTES:

- For Signs and Sign Posts Adjustment, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

- 3 #1 Sta. 70+20
O/S 17' Rt.
- 4 #1 Sta. 70+83
O/S 15' Rt.

GRAPHIC SCALE:
20' 10' 0 20' 40'
Scale: 1" = 20'



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

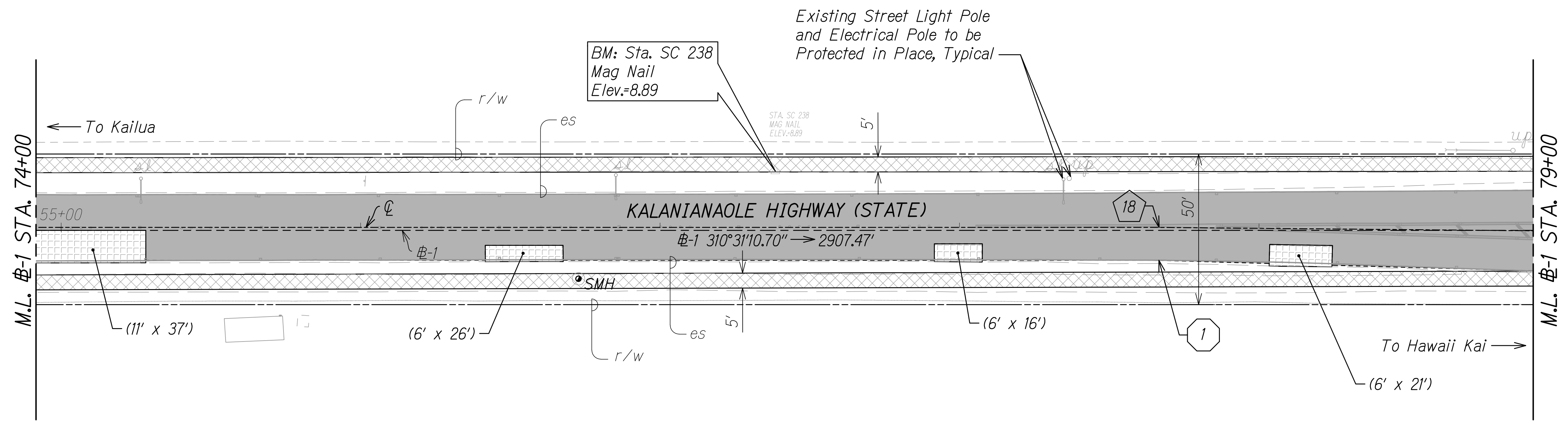
KALANIANAʻOLE HIGHWAY IMPROVEMENTS PHASE 2
Paolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021


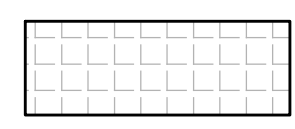
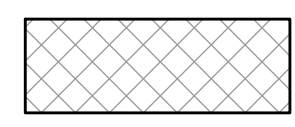
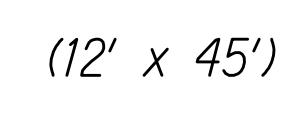
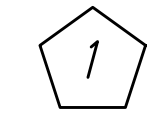
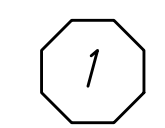
SHEET No. **R9** OF **66** SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	93	243

TRUE NORTH
SCALE: 1" = 20'



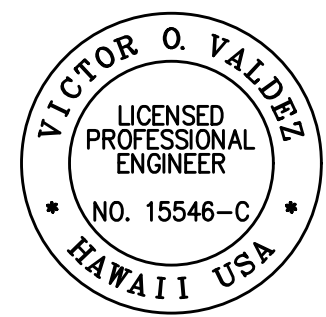
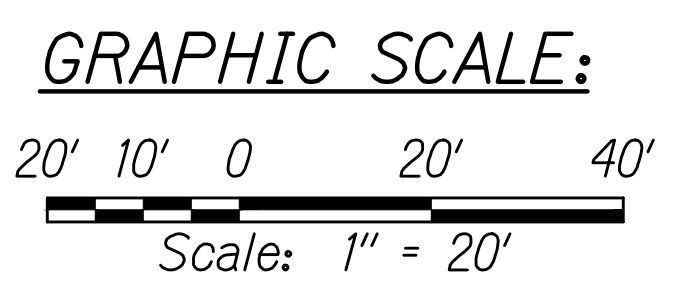
LEGEND:

-  Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix IV)
-  Pavement Reconstruction:
10" Cold Plane
2" PMA
3" HMA
5" HMABC
-  AC Walkway Resurfacing:
2" Cold Plane
2" HMA (Mix IV)
-  (12' x 45') Dimensions of Pavement Reconstruction Areas (Width x Length)
-  1 Roadway Centerline
(See Sheet C23 for Horizontal Data)
-  1 Resurfacing Limits Station and Offset

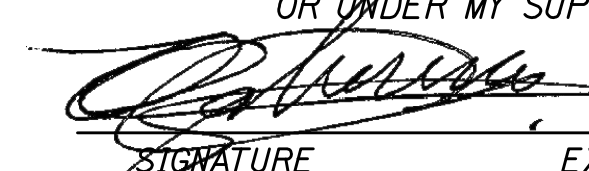
NOTES:

- For Signs and Sign Posts Adjustment, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

1 #1 Sta. 77+75
O/S 10' Rt.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

 04/30/22
SIGNATURE EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

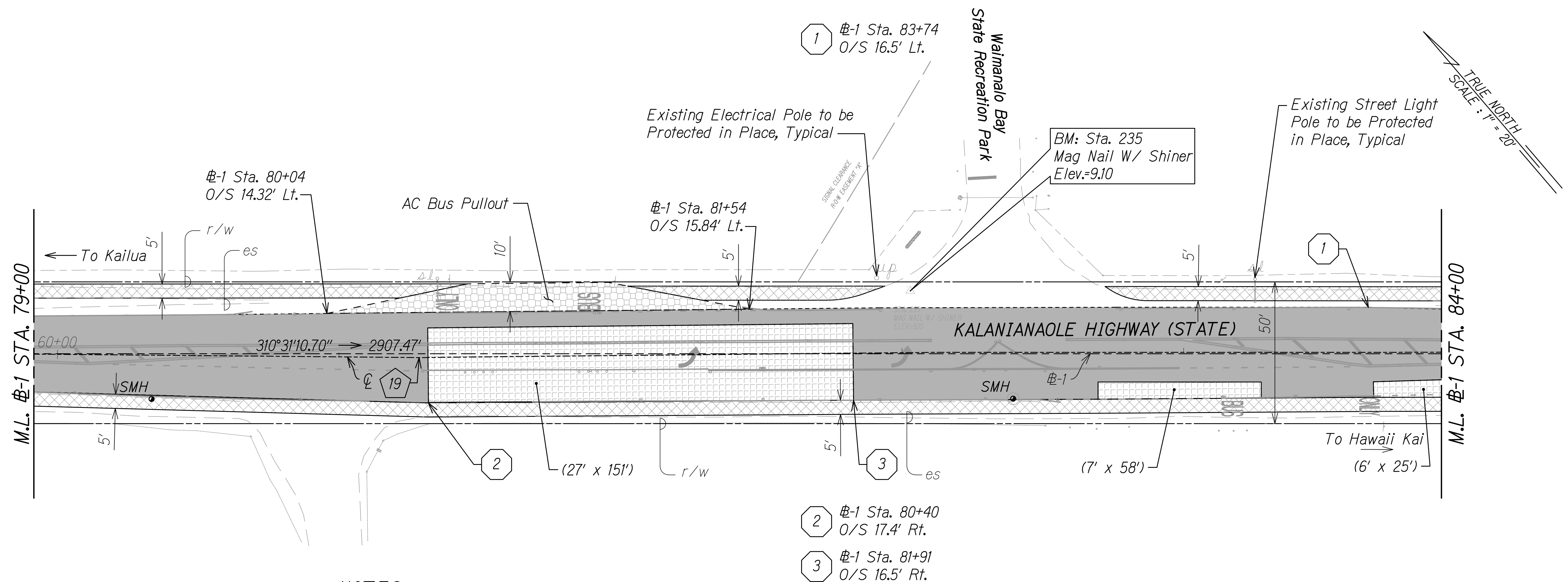
ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **R10** OF **66** SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	94	243



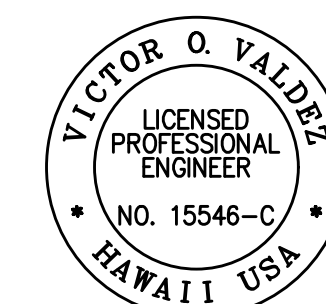
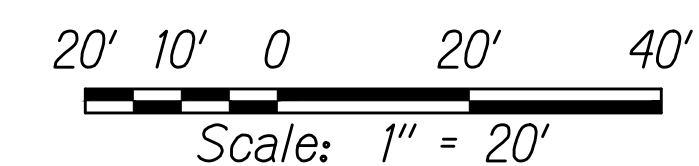
LEGEND:

- Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix IV)
- Bus Pad Resurfacing Limits:
2" Cold Plane
2" PMA
- Pavement Reconstruction:
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- AC Walkway Resurfacing:
2" Cold Plane
2" HMA (Mix IV)
- Dimensions of Pavement Reconstruction Areas (Width x Length)
(12' x 45')
- Roadway Centerline
(See Sheet C23 for Horizontal Data)
- Resurfacing Limits Station and Offset

NOTES:

- For Sign Posts and Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2

Poalima Street to Vicinity of Makai Pier

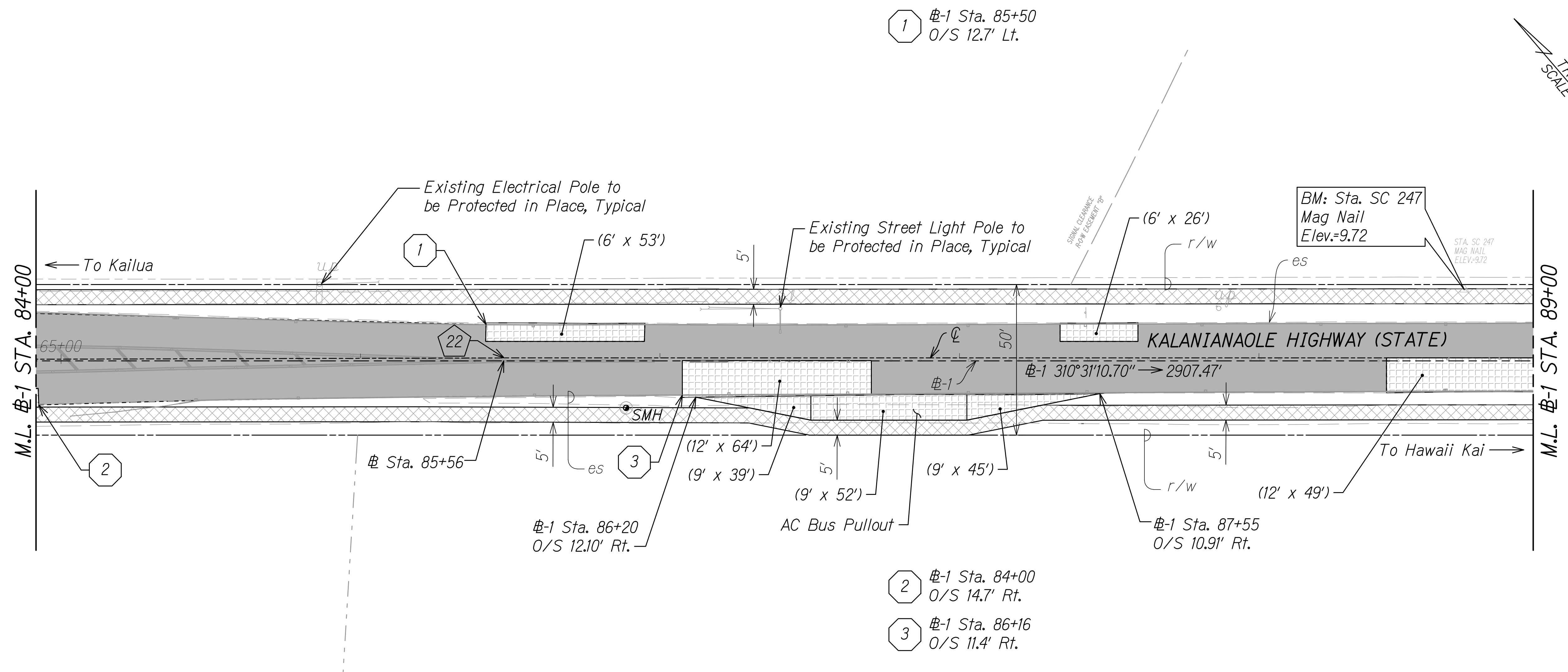
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20'

Date: January 2021

SHEET No. **R11** OF **66** SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	95	243



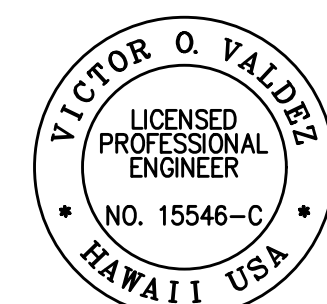
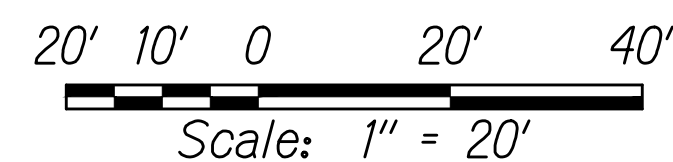
LEGEND:

- Resurfacing Limits:**
5" Cold Plane
2" PMA
3" HMA (Mix IV)
- Pavement Reconstruction (Including Bus Pullout):**
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- AC Walkway Resurfacing:**
2" Cold Plane
2" HMA (Mix IV)
- Dimensions of Pavement Reconstruction Areas (Width x Length)**
(12' x 45')
- Roadway Centerline**
(See Sheet C23 for Horizontal Data)
- Resurfacing Limits Station and Offset**

NOTES:

- For Sign Posts and Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE: [Signature] EXPIRATION DATE OF THE LICENSE: 04/30/22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

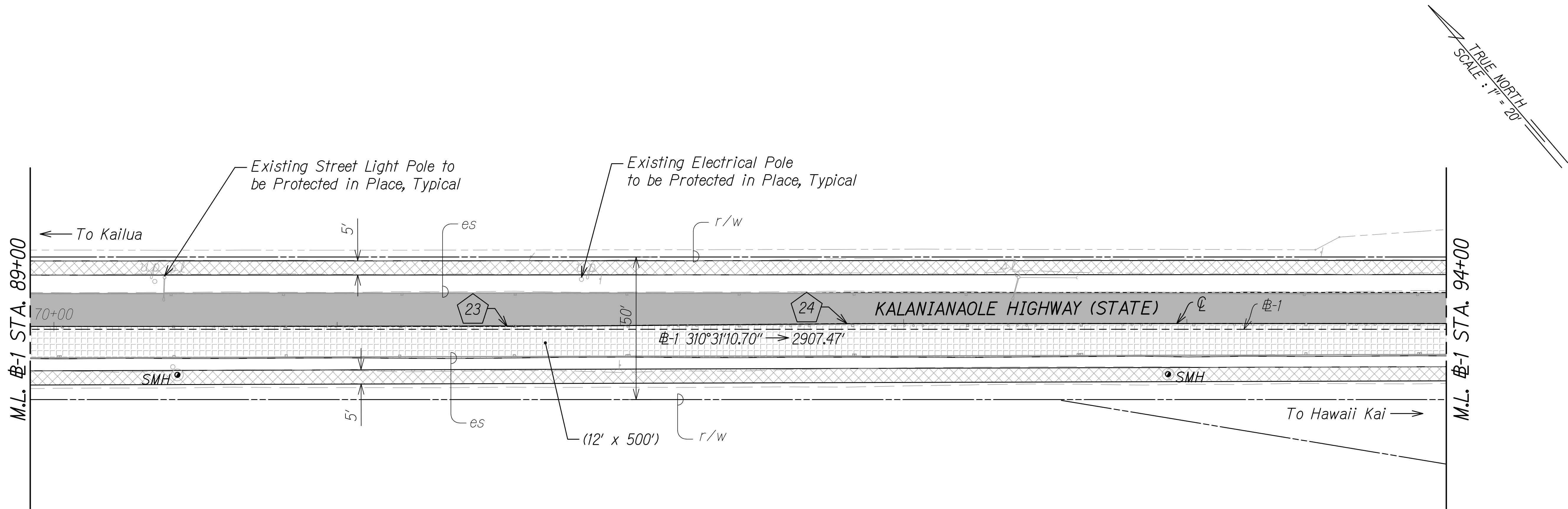
ROADWAY PLAN

KALANIANAʻOLE HIGHWAY IMPROVEMENTS PHASE 2
Paolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)


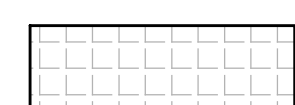

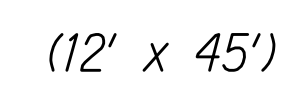

Scale: 1" = 20' Date: January 2021

SHEET No. R12 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	96	243

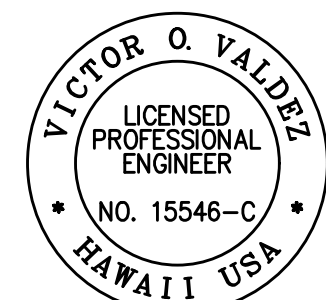
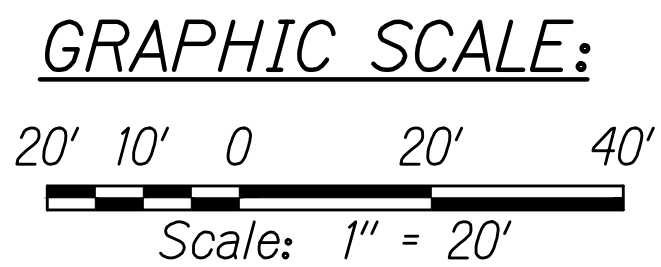


LEGEND:

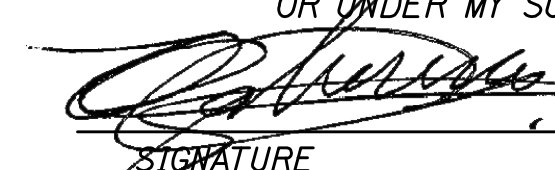
-  **Resurfacing Limits:**
5" Cold Plane
2" PMA
3" HMA (Mix IV)
-  **Pavement Reconstruction:**
10" Cold Plane
2" PMA
3" HMA
5" HMABC
-  **AC Walkway Resurfacing:**
2" Cold Plane
2" HMA (Mix IV)
-  **Dimensions of Pavement Reconstruction Areas (Width x Length)**
(12' x 45')
-  **Roadway Centerline**
(See Sheet C23 for Horizontal Data)

NOTES:

- For Sign Posts and Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

 04/30/22

SIGNATURE EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANAʻOLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

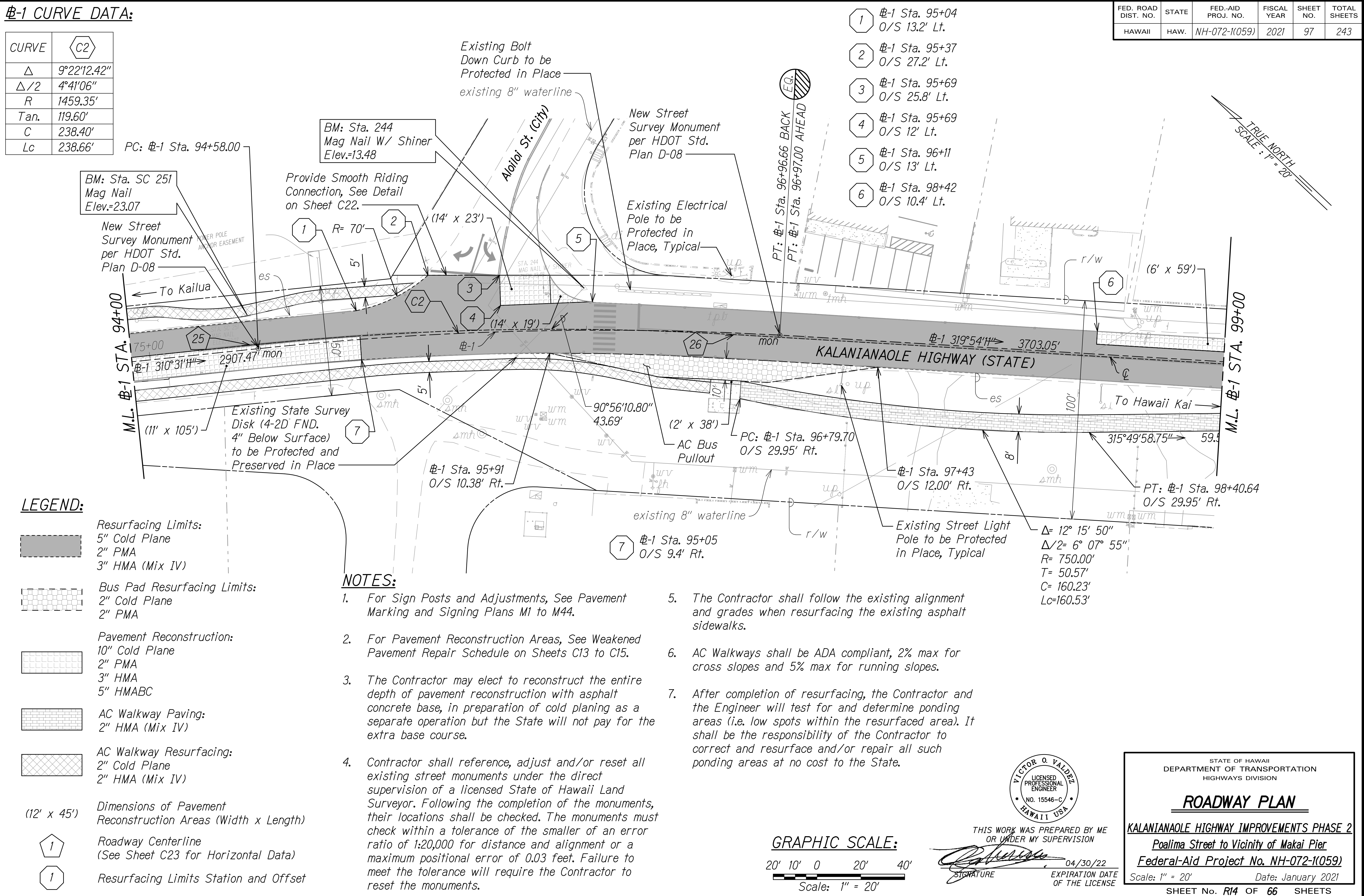
Scale: 1" = 20' Date: January 2021

SHEET No. R13 OF 66 SHEETS

#-1 CURVE DATA:

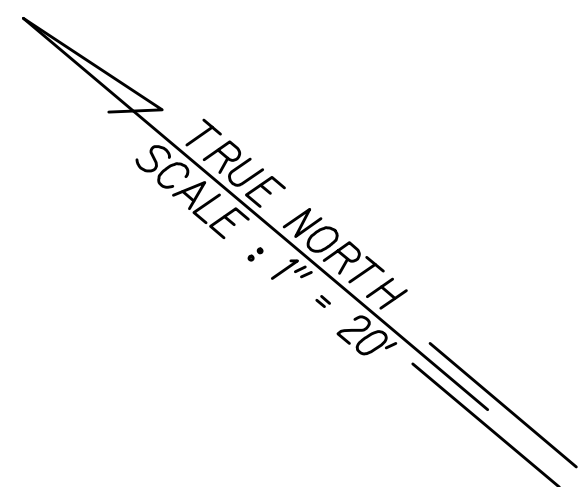
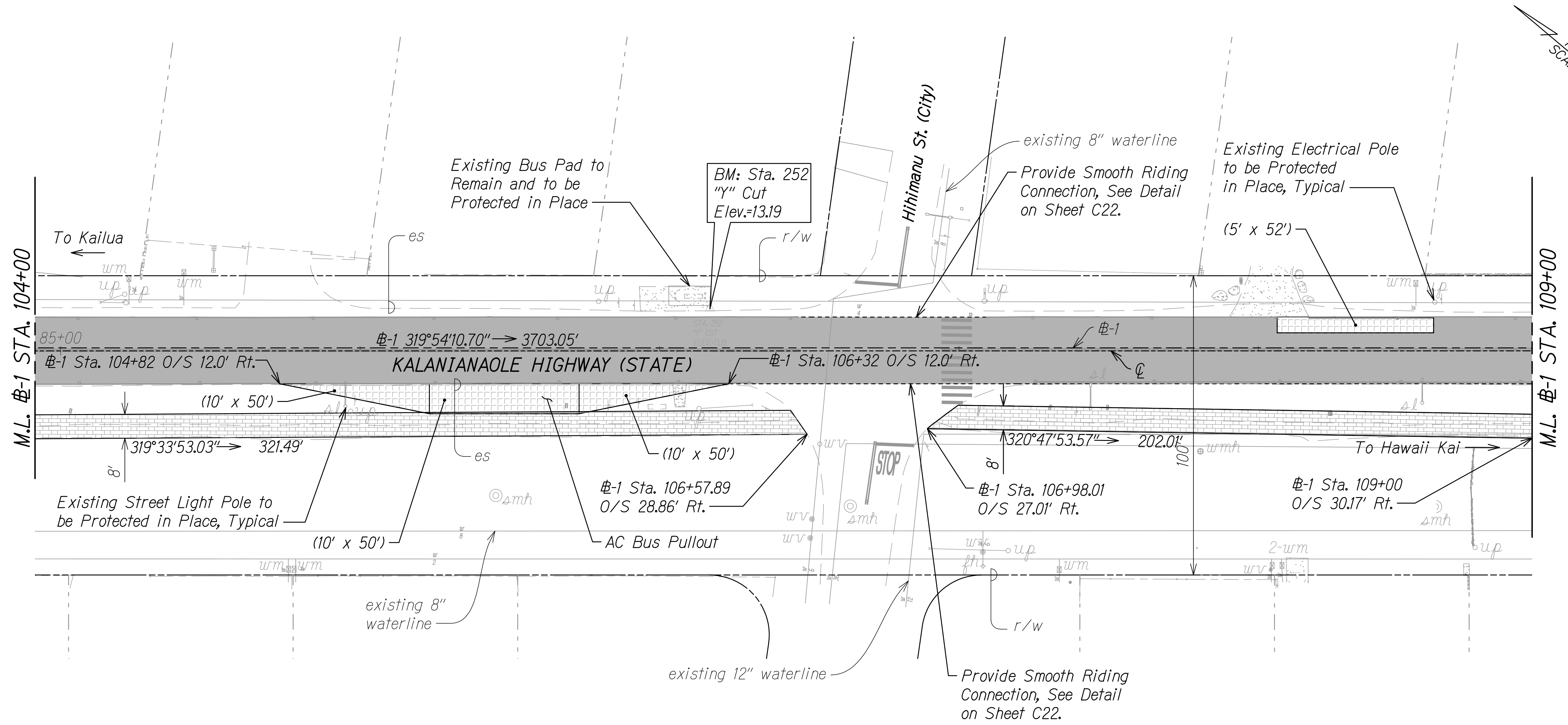
CURVE	C2
Δ	9°22'12.42"
$\Delta/2$	4°41'06"
R	1459.35'
Tan.	119.60'
C	238.40'
Lc	238.66'

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	97	243


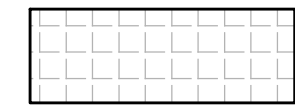
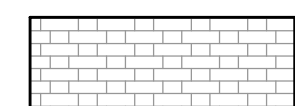
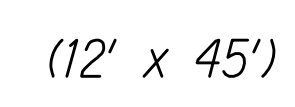


C:\CIVIL 3D PROJECTS\2017_002.000.DOT KAL HWY RESURFACING POALIMA TO HULL\01 CE DWG\R9-R16 ROADWAY PLANS.DWG 1/15/2021 11:17 AM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	99	243



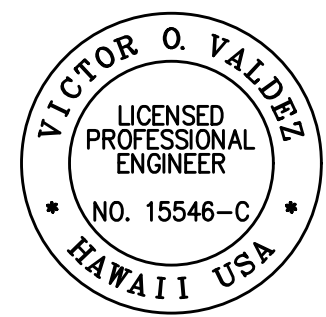
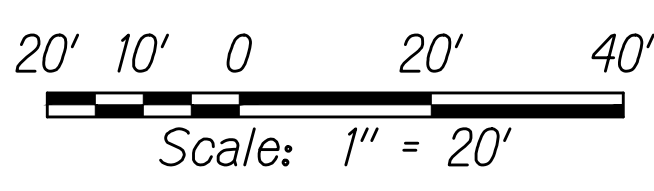
LEGEND:

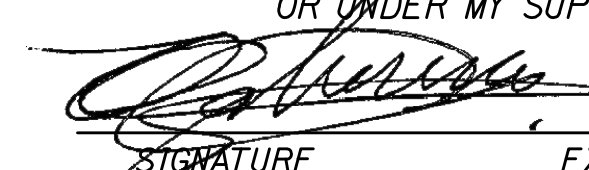
-  Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix IV)
-  Pavement Reconstruction
(Including Bus Pullout):
10" Cold Plane
2" PMA
3" HMA
5" HMABC
-  AC Walkway Paving:
2" HMA (Mix IV)
-  (12' x 45') Dimensions of Pavement
Reconstruction Areas (Width x Length)

NOTES:

- For Sign Posts and Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE
04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

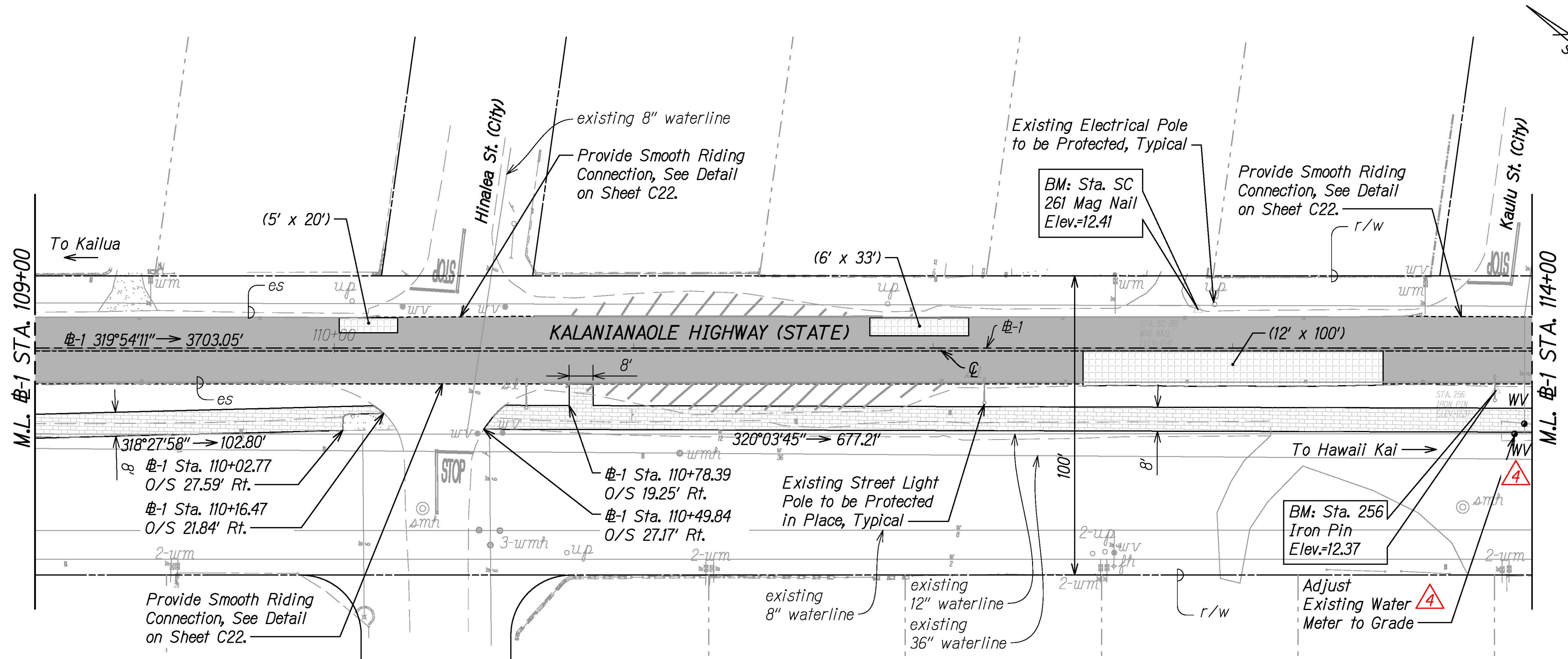
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R16 OF 66 SHEETS

C:\CIVIL 3D PROJECTS\2017_002.000.DOT KAL HWY RESURFACING POALIMA TO HULL\01 CE DWG\R9-R16 ROADWAY PLANS.DWG 1/15/2021 11:32 AM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	C.A. ADD. 100	243



LEGEND:

- Resurfacing Limits:**
5" Cold Plane
2" PMA
3" HMA (Mix IV)
- Pavement Reconstruction:**
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- AC Walkway Paving:**
2" HMA (Mix IV)
- Dimensions of Pavement Reconstruction Areas (Width x Length)**
(12' x 45')

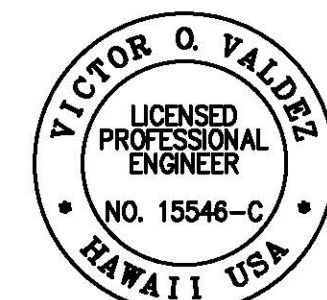
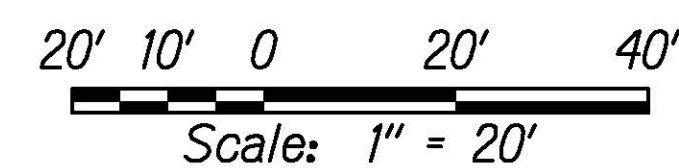
NOTES:

- For Sign Posts and Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- Adjust Water Manhole and Water Valve covers to new roadway pavement finished grade.

APPROVED:

MANAGER AND CHIEF ENGINEER, BWS DATE
(For work affecting BWS Facilities in City/State R/W and BWS Easements only)

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

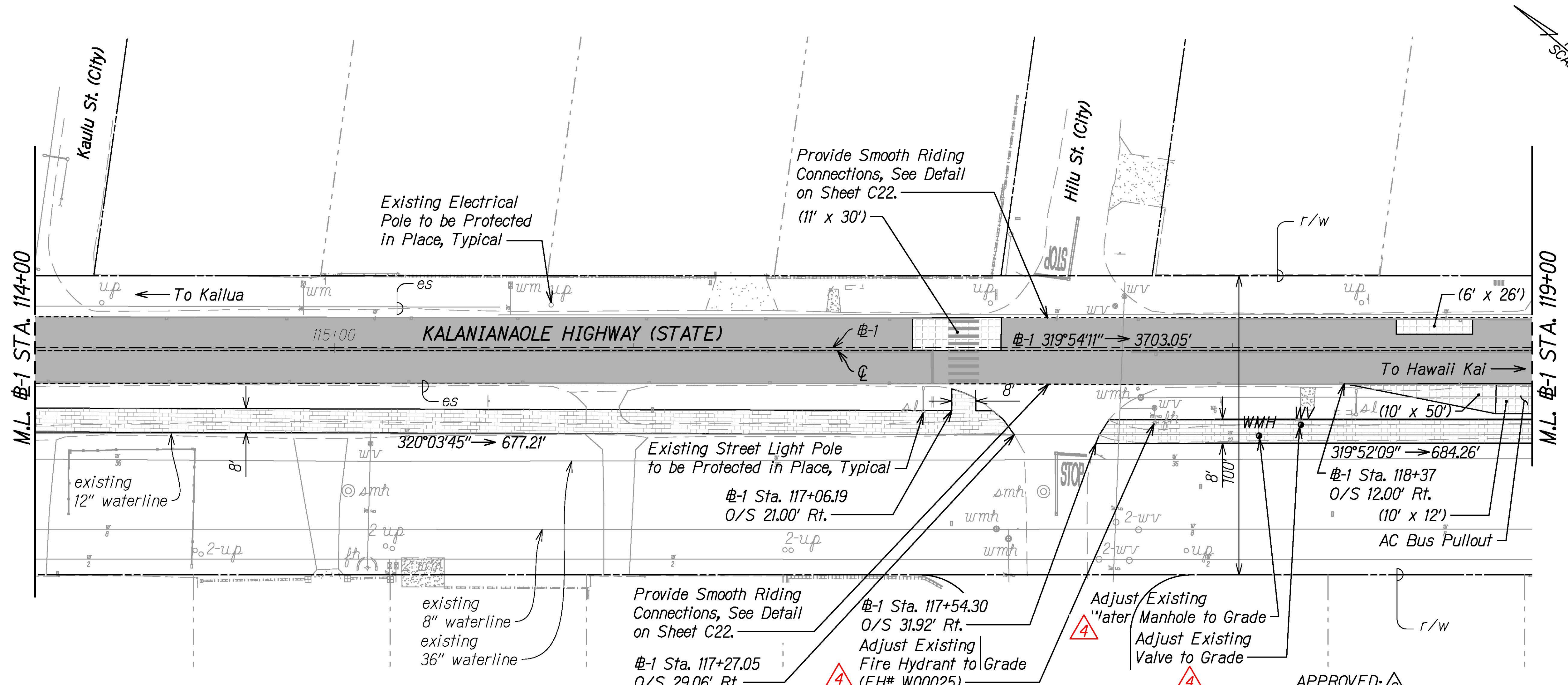
SIGNATURE EXPIRATION DATE OF THE LICENSE 04/30/22

DATE	REVISION
4/16/21	Updated Note 7, Added WV Adjustment Symbol and Call-out - BWS Comments 4/12/21
3/26/21	Added Note 7 and BWS approval block
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ROADWAY PLAN KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2 Poalima Street to Vicinity of Makai Pier Federal-Aid Project No. NH-072-1(059) Scale: 1" = 20' Date: March 2021	

SHEET No. R17 OF 66 SHEETS

ADD. 100

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 101	243



LEGEND:

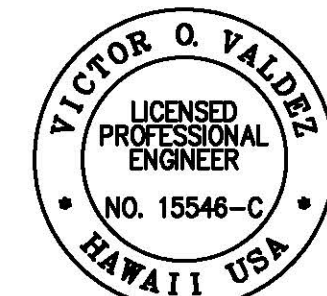
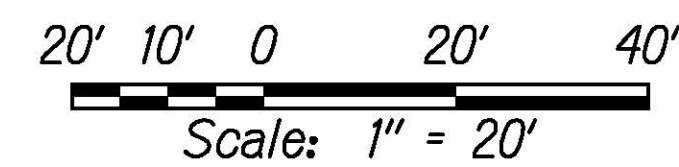
- Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix IV)
- Pavement Reconstruction
(Including Bus Pullout):
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- AC Walkway Paving:
2" HMA (Mix IV)
- (12' x 45') Dimensions of Pavement Reconstruction Areas (Width x Length)

NOTES:

- For Sign Posts and Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- Adjust Water Manhole and Water Valve covers to new roadway pavement finished grade.

MANAGER AND CHIEF ENGINEER, BWS DATE
(For work affecting BWS Facilities in City/State R/W and BWS Easements only)

GRAPHIC SCALE:

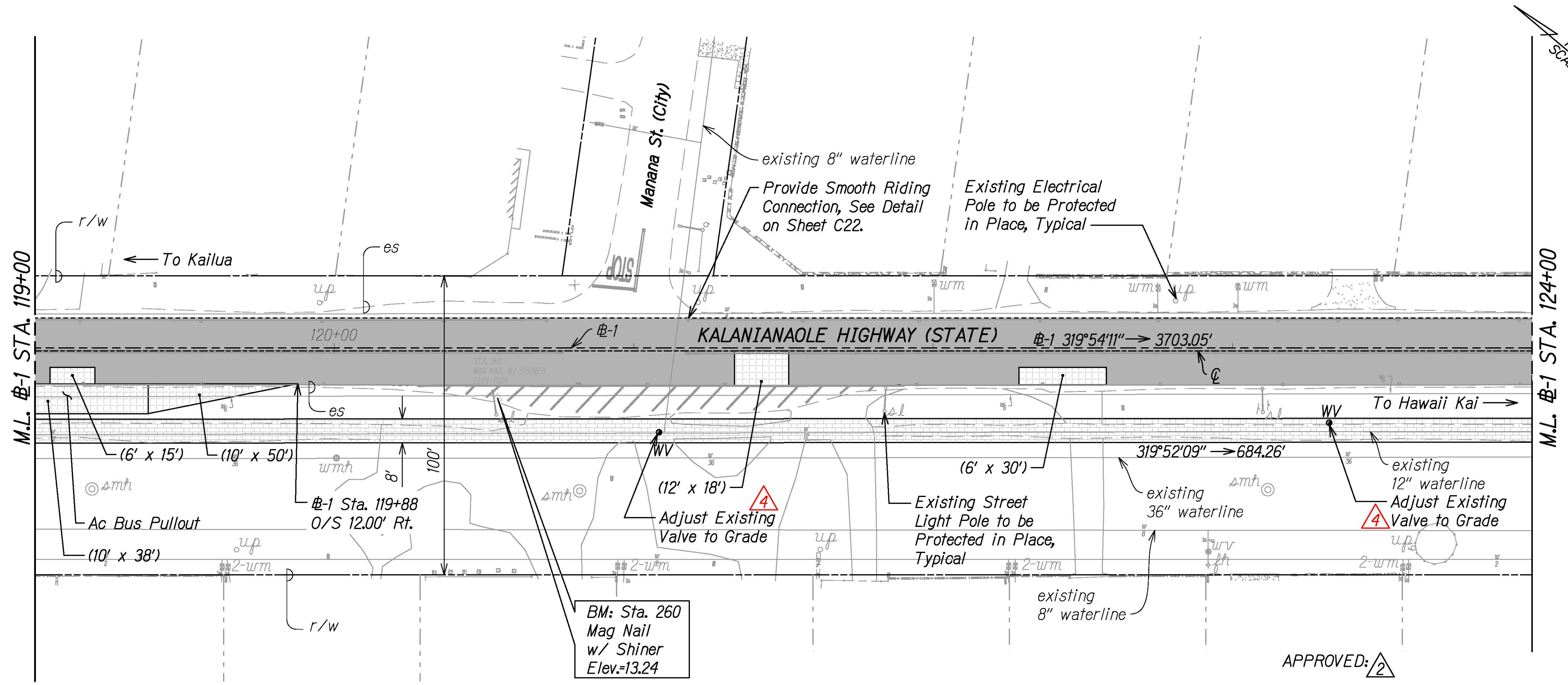


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SIGNATURE 04/30/22
EXPIRATION DATE OF THE LICENSE

DATE	REVISION
4/16/21	Added FH Number, Updated Note 7, and Added Call-out - BWS Comments 4/12/21
3/26/21	Added Note 7 and BWS approval block
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ROADWAY PLAN KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2 Poalima Street to Vicinity of Makai Pier Federal-Aid Project No. NH-072-1(059) Scale: 1" = 20' Date: March 2021 SHEET No. R18 OF 66 SHEETS	

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 102	243



LEGEND:

- Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix IV)
- Pavement Reconstruction
(Including Bus Pullout)
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- AC Walkway Paving:
2" HMA (Mix IV)
- Dimensions of Pavement
Reconstruction Areas (Width x Length)
(12' x 45')

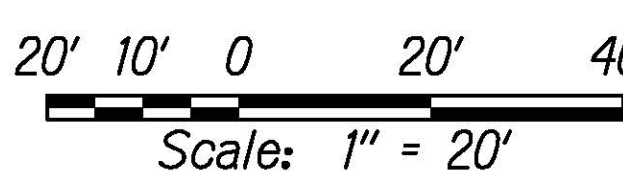
NOTES:

- For Sign Posts and Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- Adjust Water Manhole and Water Valve covers to new roadway pavement finished grade.

APPROVED:

MANAGER AND CHIEF ENGINEER, BWS DATE
(For work affecting BWS Facilities in
City/State R/W and BWS Easements only)

GRAPHIC SCALE:



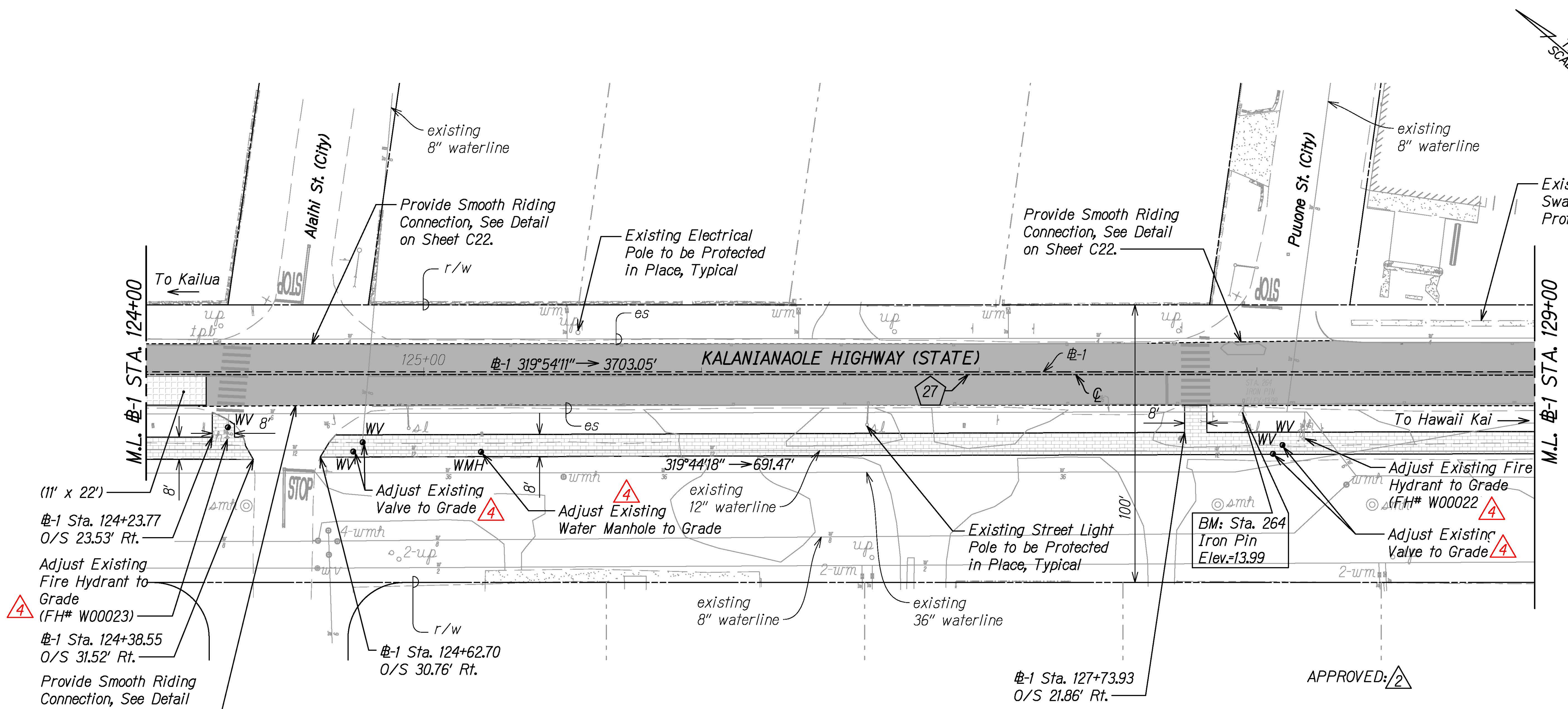
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE 04/30/22
EXPIRATION DATE
OF THE LICENSE

4/16/21	Updated Note 7 and Added Call-out - BWS Comments 4/12/21
3/26/21	Added Note 7 and BWS approval block
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
KALANIANAʻOLE HIGHWAY IMPROVEMENTS PHASE 2	
Paolima Street to Vicinity of Makai Pier	
Federal-Aid Project No. NH-072-1(059)	
Scale: 1" = 20'	Date: March 2021
SHEET No. R19 OF 66 SHEETS	

C:\CIVIL 3D PROJECTS\2017_002.000.DOT-KAL-HWY-RESURFACING-PAOLIMA-TO-HULL\01-CE-DWG\R17-R25-ROADWAY PLANS.DWG 4/16/2021 3:20 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 103	243



LEGEND:

- Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix No. IV)
- Pavement Reconstruction:
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- AC Walkway Paving:
2" HMA (Mix IV)
- Dimensions of Pavement Reconstruction Areas (Width x Length)
- Roadway Centerline
(See Sheet C23 for Horizontal Data)

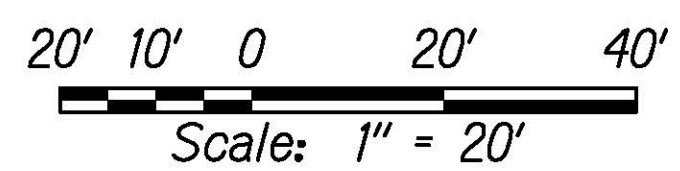
NOTES:

- For Sign Posts and Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- Adjust Water Manhole and Water Valve covers to new roadway pavement finished grade.

APPROVED:

MANAGER AND CHIEF ENGINEER, BWS DATE
(For work affecting BWS Facilities in City/State R/W and BWS Easements only)

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
 04/30/22
SIGNATURE EXPIRATION DATE OF THE LICENSE

4/16/21	Added FH Number, Updated Note 7, and Added Call-out - BWS Comments 4/12/21
3/26/21	Added Note 7 and BWS approval block
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2 Poalima Street to Vicinity of Makai Pier Federal-Aid Project No. NH-072-1(059)	
Scale: 1" = 20'	Date: March 2021
SHEET No. R20 OF 66 SHEETS	

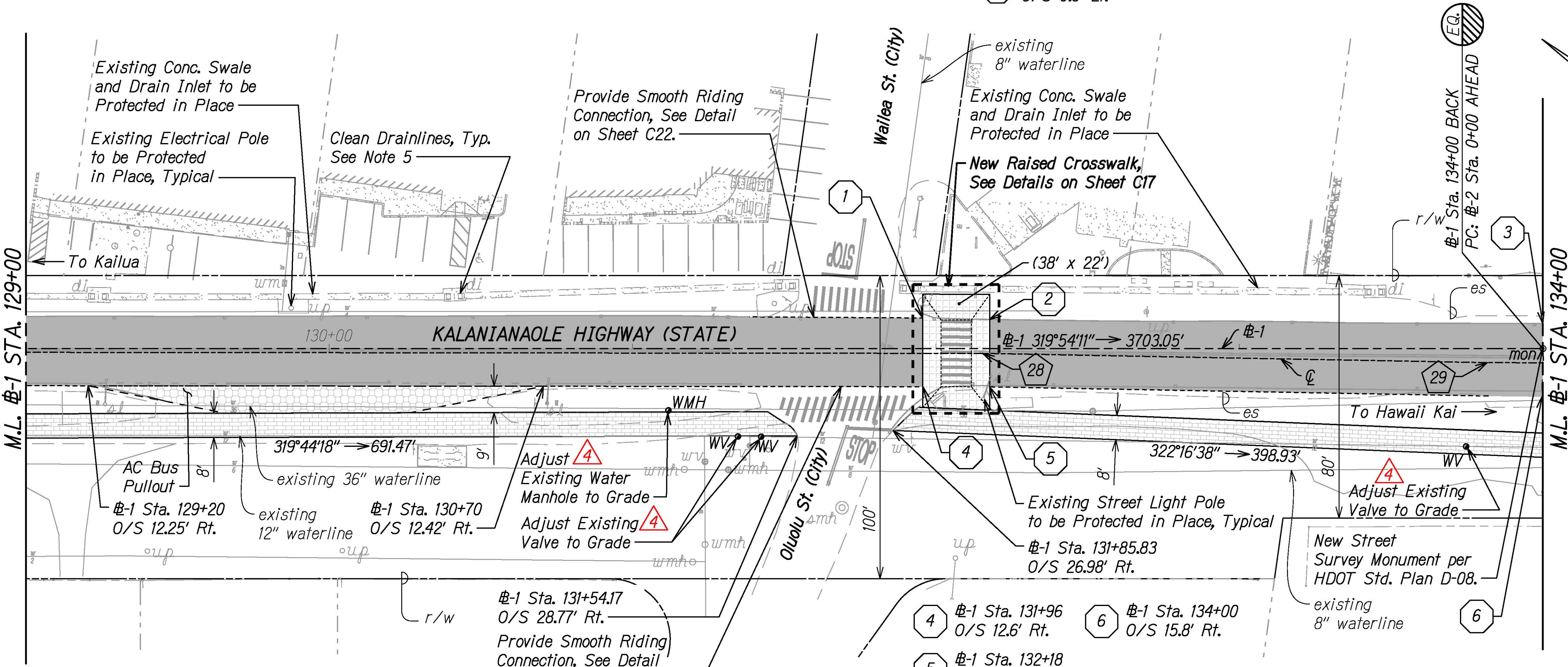
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 104	243

- 1

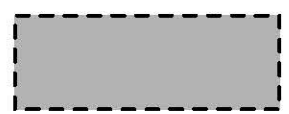
#1 Sta. 131+96
O/S 10.1' Lt.
- 3

#1 Sta. 134+00
O/S 8.3' Lt.
- 2

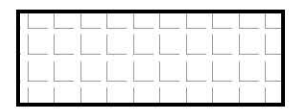
#1 Sta. 132+18
O/S 9.6' Lt.



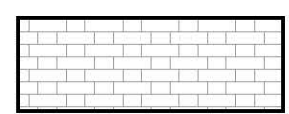
LEGEND:



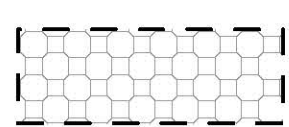
Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix IV)



Pavement Reconstruction:
10" Cold Plane
2" PMA
3" HMA
5" HMABC



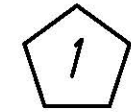
AC Walkway Paving:
2" HMA (Mix IV)



Bus Pad Resurfacing Limits:
2" Cold Plane
2" PMA

(12' x 45')

Dimensions of Pavement
Reconstruction Areas (Width x Length)



Roadway Centerline
(See Sheet C23 for Horizontal Data)



Resurfacing Limits Station and Offset

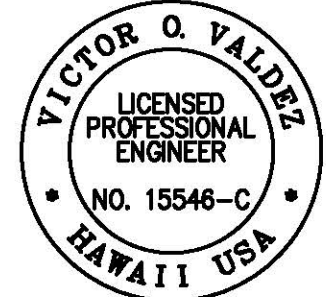
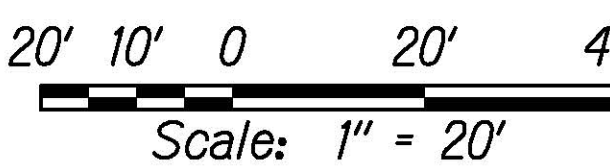
NOTES:

- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- Contractor shall reference, adjust and/or reset all existing street monuments under the direct supervision of a licensed State of Hawaii Land Surveyor. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of an error ratio of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- Adjust Water Manhole and Water Valve covers to new roadway pavement finished grade.

APPROVED:

MANAGER AND CHIEF ENGINEER, BWS
(For work affecting BWS Facilities in
City/State R/W and BWS Easements only)

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE: EXPIRATION DATE OF THE LICENSE: 04/30/22

4/16/21	Updated Note 9 and Added Call-out - BWS Comments 4/12/21
3/26/21	Added Note 9 and BWS approval block
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: March 2021

SHEET No. R21 OF 66 SHEETS

- 1 #2 Sta. 2+19
O/S 10.0' Rt.
- 2 #2 Sta. 2+41
O/S 12.2' Rt.
- 3 #2 Sta. 2+56
O/S 17.2' Rt.
- 4 #2 Sta. 3+45
O/S 20' Rt.
- 5 #2 Sta. 3+76
O/S 16.8' Rt.

- 6 #2 Sta. 2+24
O/S 19.8' Lt.
- 7 #2 Sta. 2+47
O/S 19.3' Rt.

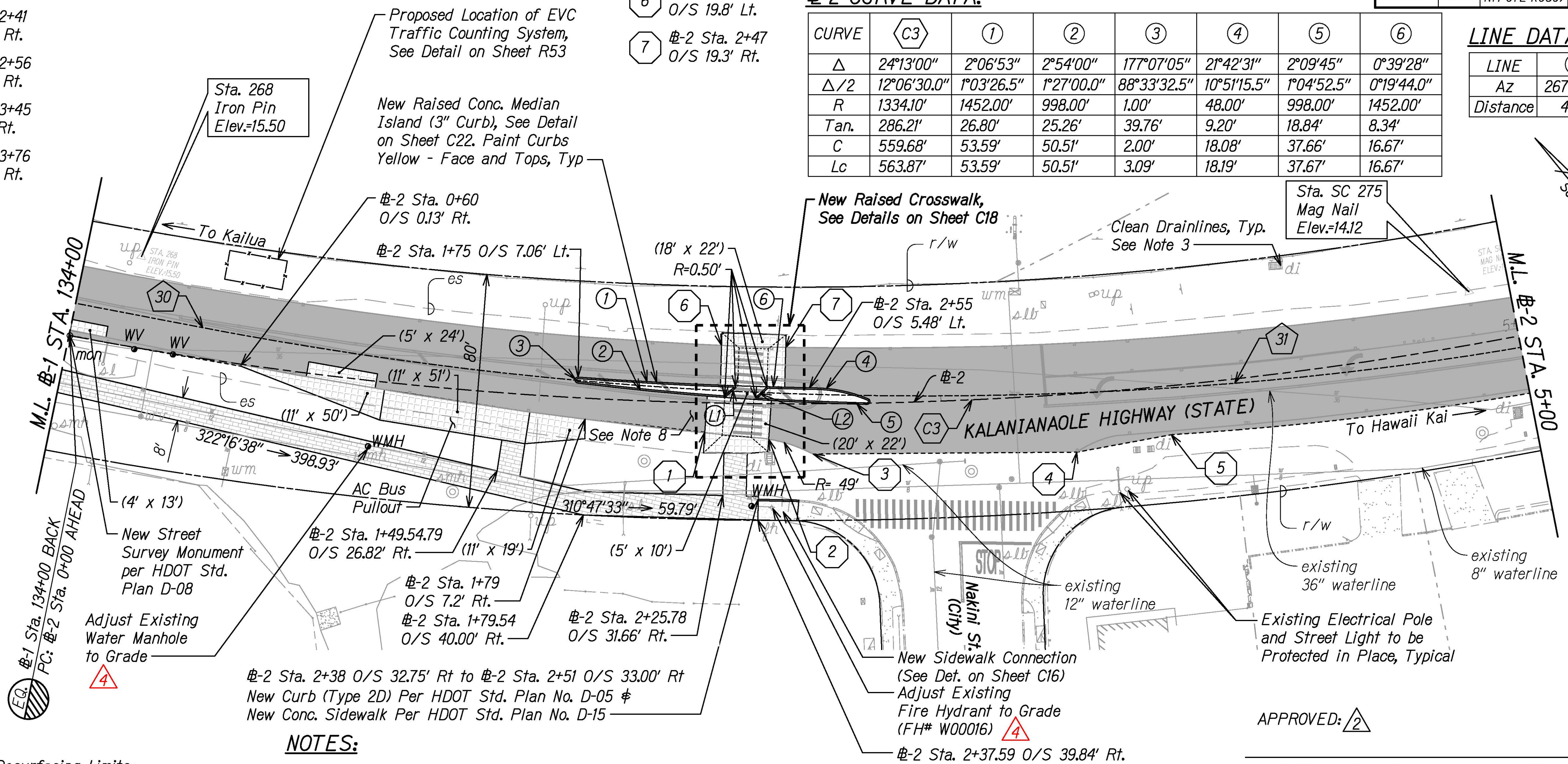
#2 CURVE DATA:

CURVE	C3	①	②	③	④	⑤	⑥
Δ	24°13'00"	2°06'53"	2°54'00"	177°07'05"	21°42'31"	2°09'45"	0°39'28"
Δ/2	12°06'30.0"	1°03'26.5"	1°27'00.0"	88°33'32.5"	10°51'15.5"	1°04'52.5"	0°19'44.0"
R	1334.10'	1452.00'	998.00'	1.00'	48.00'	998.00'	1452.00'
Tan.	286.21'	26.80'	25.26'	39.76'	9.20'	18.84'	8.34'
C	559.68'	53.59'	50.51'	2.00'	18.08'	37.66'	16.67'
Lc	563.87'	53.59'	50.51'	3.09'	18.19'	37.67'	16.67'

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 105	243

LINE DATA:

LINE	①	②
Az	267°33'26"	266°05'42"
Distance	4.53'	4.97'



LEGEND:

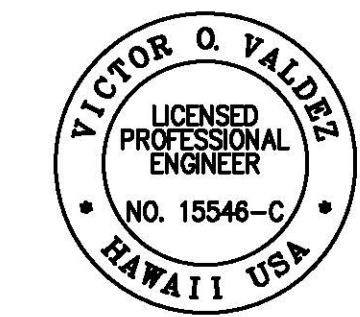
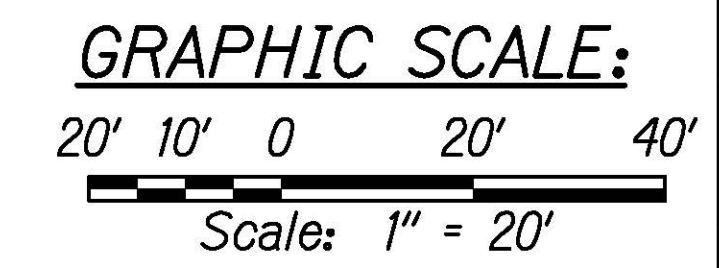
- Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix IV)
- Pavement Reconstruction
(Including Bus Pullout):
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- AC Walkway Paving:
2" HMA (Mix IV)
- Raised Conc. Median Island
and Conc. Sidewalk
- Dimensions of Pavement
Reconstruction Areas (Width x Length)
- Roadway Centerline
(See Sheet C23 for Horizontal Data)

NOTES:

- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- AC Walkways shall be ADA compliant, 2% max for cross slopes and 5% max for running slopes.
- Contractor shall reference, adjust and/or reset all existing street monuments under the direct supervision of a licensed State of Hawaii Land Surveyor. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of an error ratio of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- AC Pavement within the pedestrian refuge Islands shall be in compliance with ADA guidelines (2% slope in all directions).
- Adjust Water Manhole and Water Valve covers to new roadway pavement finished grade.

APPROVED: [Signature]

MANAGER AND CHIEF ENGINEER, BWS
(For work affecting BWS Facilities in
City/State R/W and BWS Easements only)

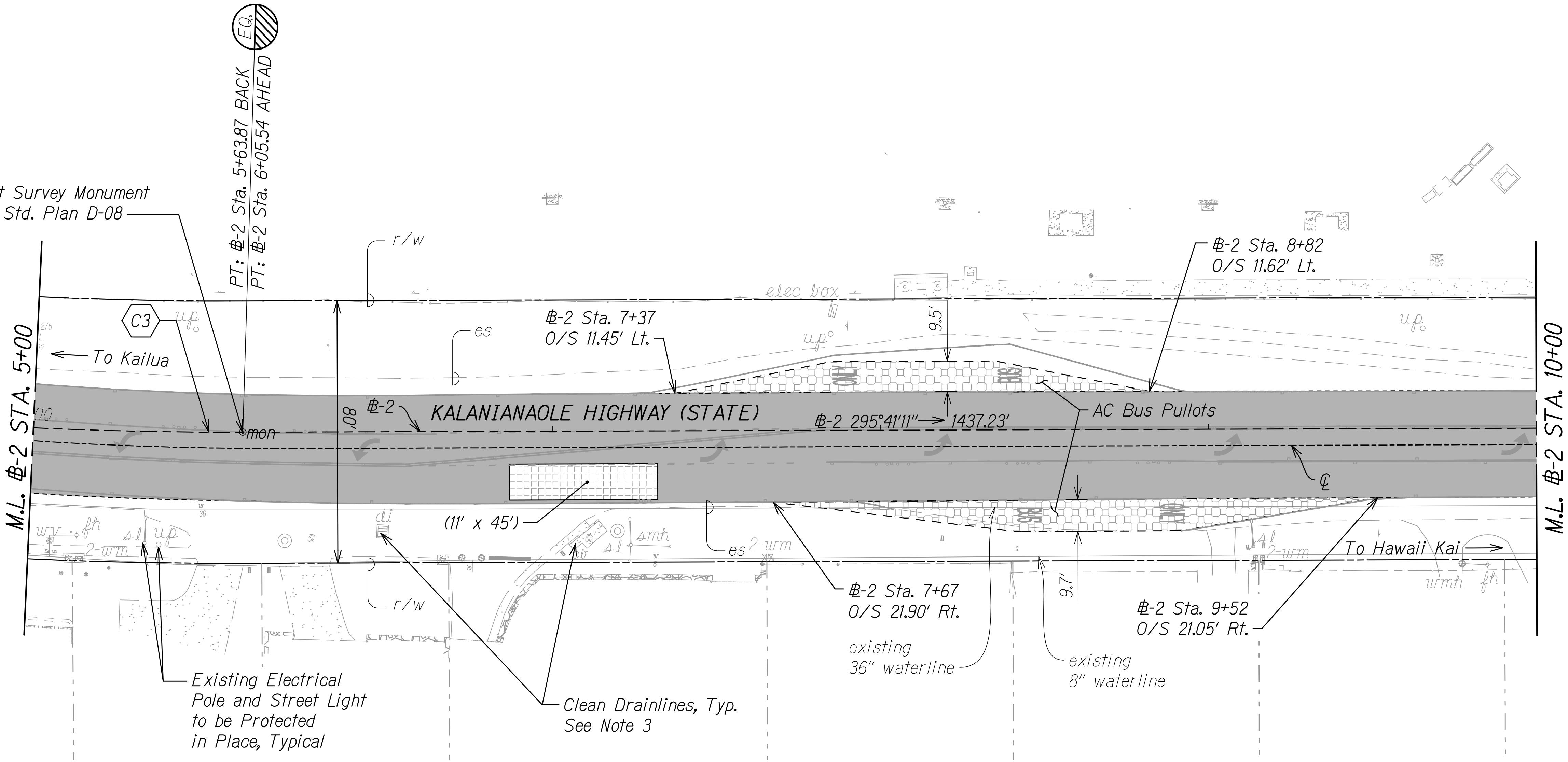


THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
[Signature] 04/30/22
SIGNATURE EXPIRATION DATE
OF THE LICENSE

4/16/21	Added FH Number, Updated Note 10, and Added Call-out - BWS Comments 4/12/21
3/26/21	Added Note 10 and BWS approval block
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2 Poalima Street to Vicinity of Makai Pier Federal-Aid Project No. NH-072-1(059)	
Scale: 1" = 20'	Date: March 2021
SHEET No. R22 OF 66 SHEETS	

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	106	243

New Street Survey Monument
per HDOT Std. Plan D-08

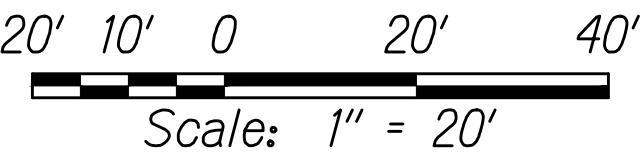


TRUE NORTH
SCALE: 1" = 20'

#-2 CURVE DATA:

CURVE	C3
Δ	24°13'00"
$\Delta/2$	12°06'30.0"
R	1334.10'
Tan.	286.21'
C	559.68'
Lc	563.87'

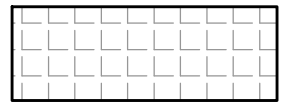
GRAPHIC SCALE:



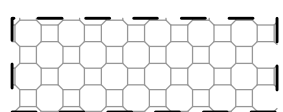
LEGEND:



Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix IV)



Pavement Reconstruction:
10" Cold Plane
2" PMA
3" HMA
5" HMABC

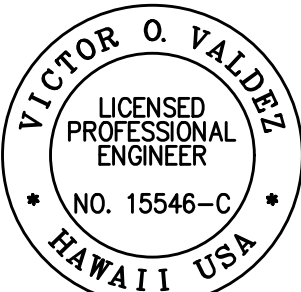


Bus Pad Resurfacing Limits:
2" Cold Plane
2" PMA

(12' x 45') Dimensions of Pavement
Reconstruction Areas (Width x Length)

NOTES:

- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- Contractor shall reference, adjust and/or reset all existing street monuments under the direct supervision of a licensed State of Hawaii Land Surveyor. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of an error ratio of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments.
- The Contractor shall follow the existing alignment and grades when resurfacing the existing asphalt sidewalks.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Paolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R23 OF 66 SHEETS

CURVE DATA:

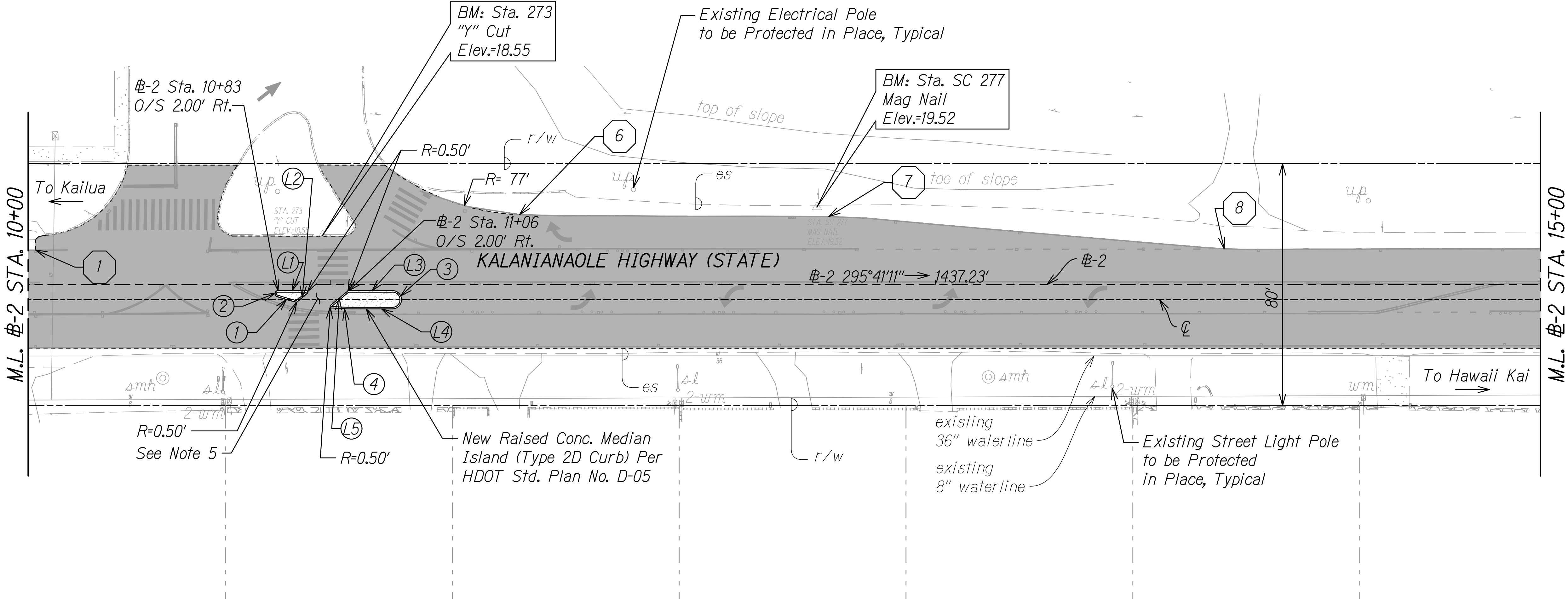
CURVE	①	②	③	④
Δ	4°46'30"	16°27'04"	180°00'00"	4°59'51"
$\Delta/2$	2°23'15"	8°13'32"	90°00'00"	2°29'55.5"
R	78.00'	1.00'	3.00'	78.00'
Tan.	3.25'	6.12'	Infinity	3.40'
C	6.50'	1.97'	6.00'	6.80'
Lc	6.50'	2.82'	9.42'	6.80'

LINE DATA:

LINE	①①	①②	①③	①④	①⑤
Az	295°41'11"	75°42'30"	295°41'11"	295°41'11"	75°42'30"
Distance	9.35'	4.31'	14.46'	13.33'	7.32'

①	⊕-1 Sta. 10+02 O/S 11.5' Lt.	⑤	⊕-1 Sta. 11+36 O/S 11.6' Lt.
②	⊕-1 Sta. 10+67 O/S 16' Lt.	⑥	⊕-1 Sta. 11+62 O/S 23' Lt.
③	⊕-1 Sta. 10+67 O/S 11.4' Lt.	⑦	⊕-1 Sta. 12+65 O/S 22.5' Lt.
④	⊕-1 Sta. 11+04 O/S 30' Lt.	⑧	⊕-1 Sta. 13+95 O/S 11.9' Lt.

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	107	243



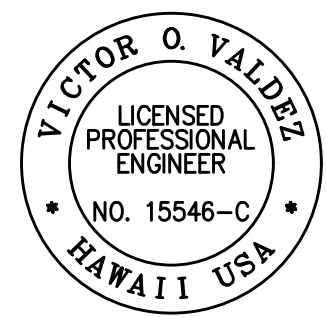
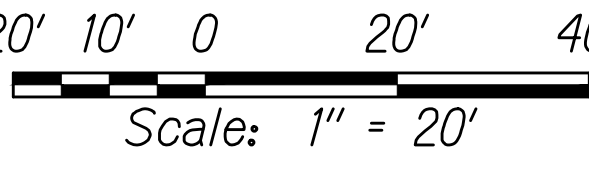
LEGEND:

- Resurfacing Limits:
 - 5" Cold Plane
 - 2" PMA
 - 3" HMA (Mix IV)
- Raised Conc. Median Island

NOTES:

- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- AC Pavement within the pedestrian refuge Islands shall be in compliance with ADA guidelines (2% slope cross in all directions).

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
[Signature]
SIGNATURE
04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R24 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 108	243

- 1

⊕-2 Sta. 17+73
O/S 21.0' Rt.
- 3

⊕-2 Sta. 17+79
O/S 12.3' Lt.
- 2

⊕-2 Sta. 17+95
O/S 21.0' Rt.
- 4

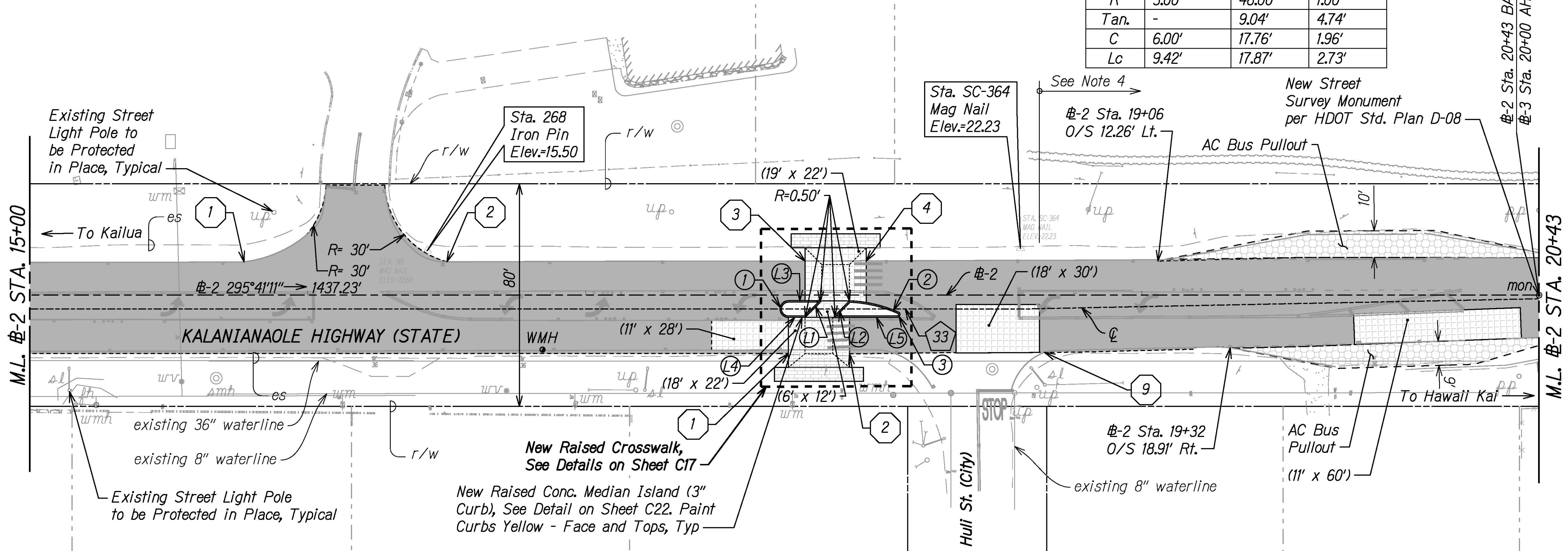
⊕-2 Sta. 18+01
O/S 12.3' Lt.

LINE DATA:

LINE	①	②	③	④	⑤
Az	250°41'11"	250°41'11"	295°41'11"	295°41'11"	295°41'11"
Distance	7.07'	7.01'	10.79'	5.79'	21.87'

⊕-2 CURVE DATA:

CURVE	①	②	③
Δ	180°00'00"	2°19'33"	156°11'26"
Δ/2	90°00'00.0"	10°39'46.5"	78°05'43.0"
R	3.00'	48.00'	1.00'
Tan.	-	9.04'	4.74'
C	6.00'	17.76'	1.96'
Lc	9.42'	17.87'	2.73'



LEGEND:

- Resurfacing Limits:
5" Cold Plane
2" PMA
3" HMA (Mix IV)
- Pavement Reconstruction:
10" Cold Plane
2" PMA
3" HMA
5" HMABC
- Bus Pad Resurfacing Limits:
2" Cold Plane
2" PMA
- AC Walkway Paving:
2" HMA (Mix IV)
- Dimensions of Pavement
Reconstruction Areas (Width x Length)
- 1

Roadway Centerline
(See Sheet C23 for Horizontal Data)
- 1

Resurfacing Limits Station and Offset

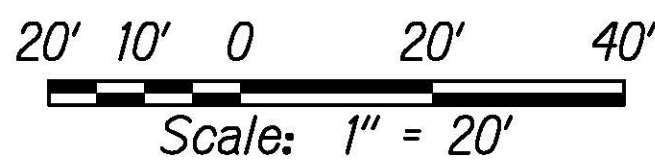
NOTES:

1. For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
2. For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
3. The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
4. For AC Pavement Areas from Sta. 18+63 to End of Project (Huli St. to Makai Pier), resurfacing shall be:
4" Cold Plane
2" PMA
2" HMA (Mix IV)
5. After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
6. Adjust Water Manhole and Water Valve covers to new roadway pavement finished grade.

APPROVED:

MANAGER AND CHIEF ENGINEER, BWS DATE
(For work affecting BWS Facilities in
City/State R/W and BWS Easements only)

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

 04/30/22
SIGNATURE EXPIRATION DATE
OF THE LICENSE

4/16/21	Updated Note 6 - BWS Comments 4/12/21
3/26/21	Added Note 6 and BWS approval block
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
KALANIANAʻOLE HIGHWAY IMPROVEMENTS PHASE 2 Poalima Street to Vicinity of Makai Pier Federal-Aid Project No. NH-072-1(059)	
Scale: 1" = 20'	Date: March 2021
SHEET No. R25 OF 66 SHEETS	

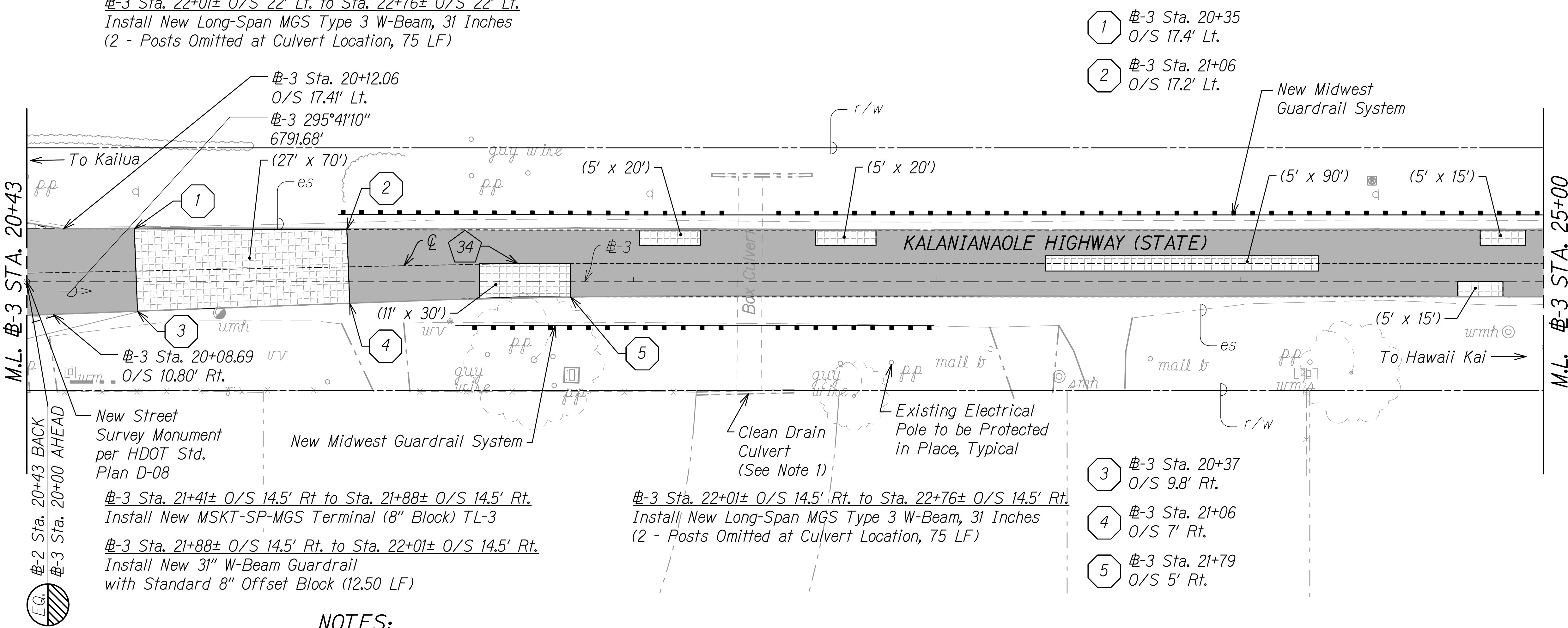
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	109	243

#-3 Sta. 21+03± O/S 22' Lt. to Sta. 21+26± O/S 22' Lt.
Install Trailing-end Anchorage System

#-3 Sta. 22+76± O/S 22' Lt. to Sta. 31+82± O/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (906 LF)

#-3 Sta. 21+26± O/S 22' Lt. to Sta. 22+01± O/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (75 LF)

#-3 Sta. 22+01± O/S 22' Lt. to Sta. 22+76± O/S 22' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(2 - Posts Omitted at Culvert Location, 75 LF)



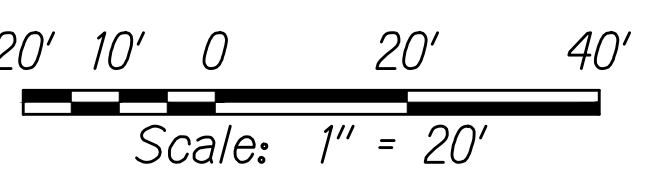
LEGEND:

- Resurfacing Limits:
 - 4" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
- Bus Pad Resurfacing Limits:
 - 2" Cold Plane
 - 2" PMA
- Pavement Reconstruction:
 - 10" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
 - 6" HMA Conc. Base
- Dimensions of Pavement Reconstruction Areas (Width x Length)
 - (38' x 38')
- Roadway Centerline (See Sheet C23 for Horizontal Data)
- Resurfacing Limits Station and Offset

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- Contractor shall reference, adjust and/or reset all existing street monuments under the direct supervision of a licensed State of Hawaii Land Surveyor. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of an error ratio of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Signature: [Signature]
Date: 04/30/22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

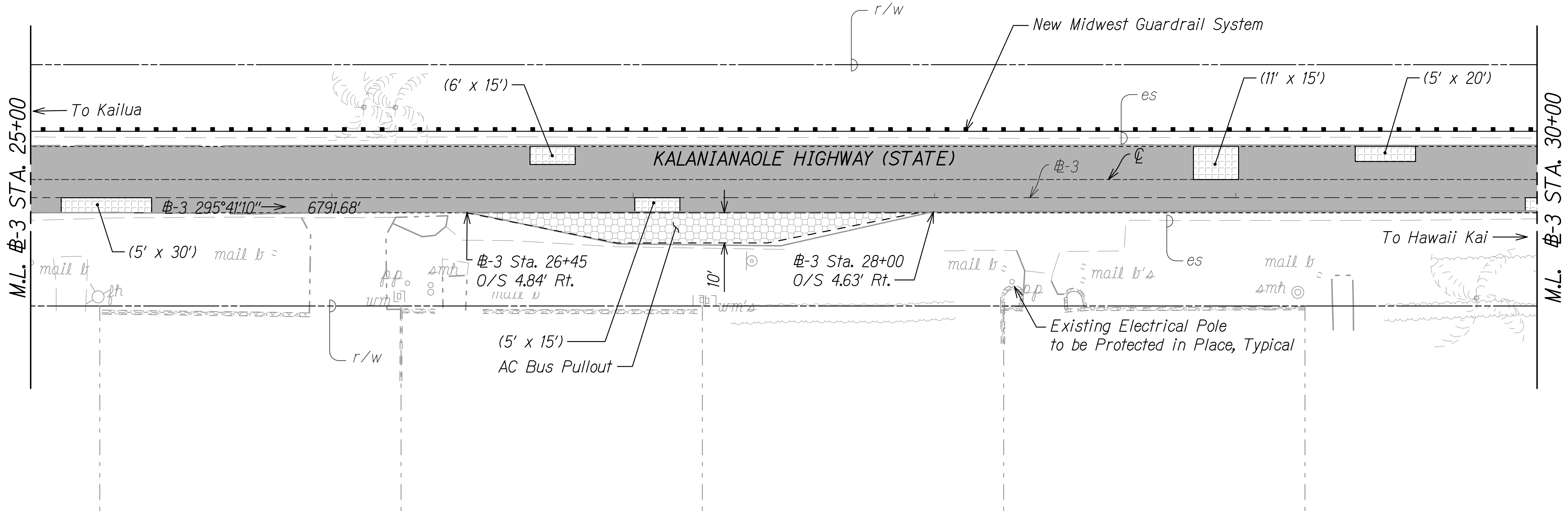
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R26 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	110	243

#-3 Sta. 22+76± O/S 22' Lt. to Sta. 31+82± O/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (906 LF)



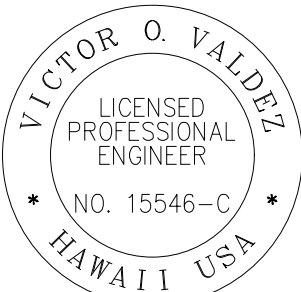
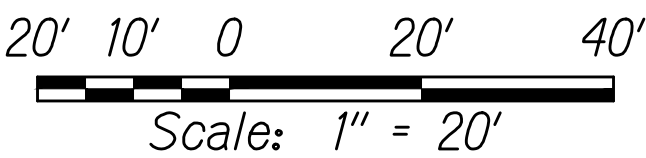
LEGEND:

- Resurfacing Limits:**
- 4" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
- Bus Pad Resurfacing Limits:**
- 2" Cold Plane
 - 2" PMA
- Pavement Reconstruction:**
- 10" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
 - 6" HMA Conc. Base
- Dimensions of Pavement Reconstruction Areas (Width x Length)**
- (38' x 38')

NOTES:

- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Paolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

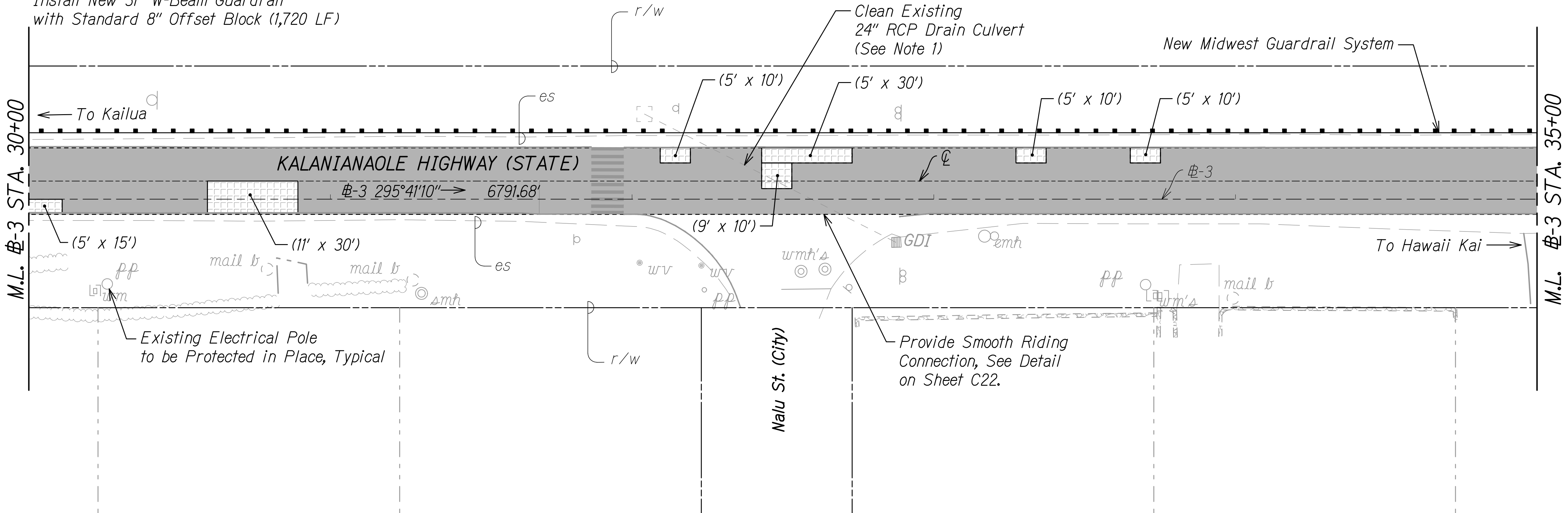
SHEET No. R27 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	111	243

#-3 Sta. 22+76± O/S 22' Lt. to Sta. 31+82± O/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (906 LF)

#-3 Sta. 31+82± O/S 22' Lt. to Sta. 32+51± O/S 22' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 68.75 LF)

#-3 Sta. 32+51± O/S 22' Lt. to Sta. 49+68± O/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (1,720 LF)



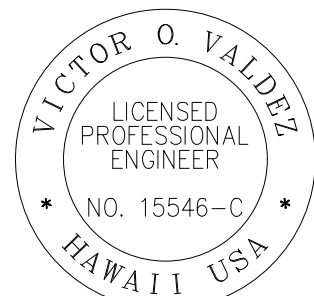
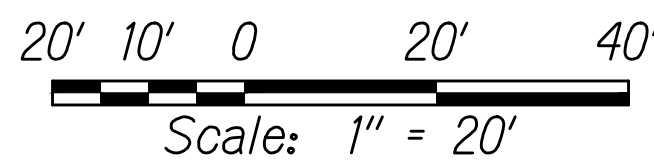
LEGEND:

- Resurfacing Limits:**
4" Cold Plane
2" PMA
2" HMA (Mix IV)
- Pavement Reconstruction:**
10" Cold Plane
2" PMA
2" HMA (Mix IV)
6" HMA Conc. Base
- Dimensions of Pavement Reconstruction Areas (Width x Length)**
(38' x 38')

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

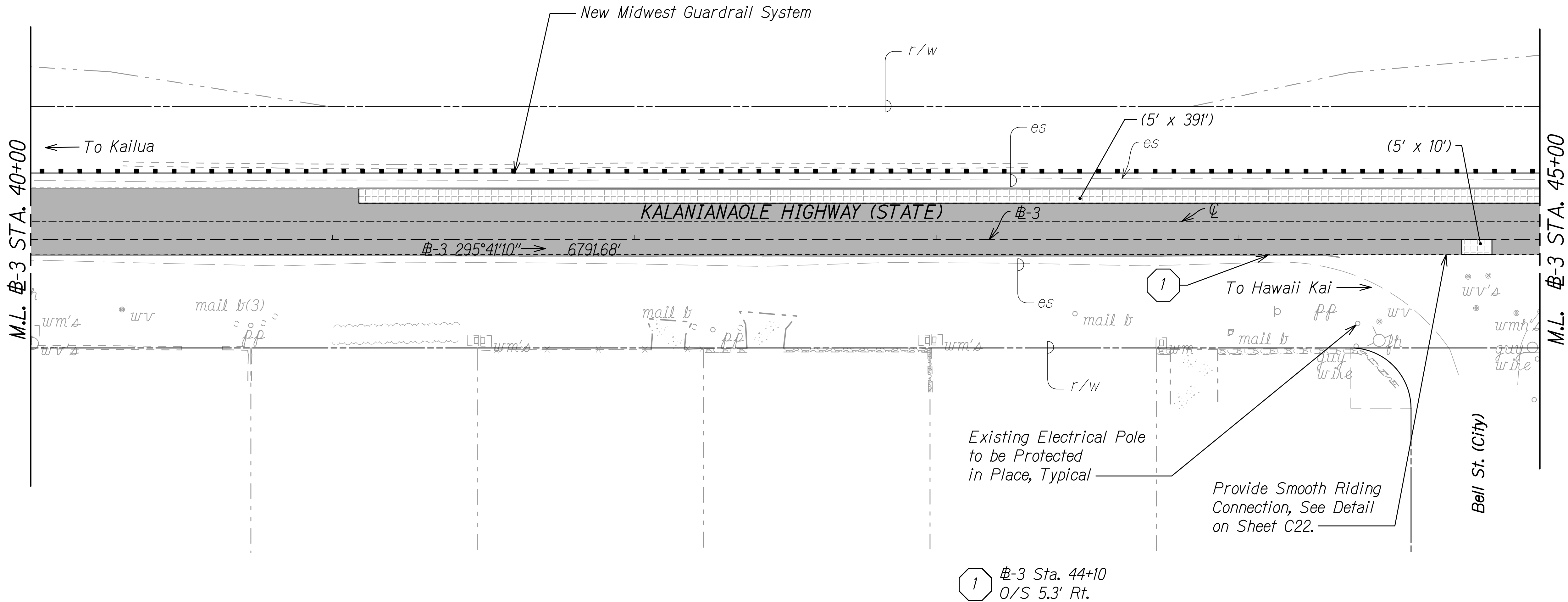
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R28 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	113	243

#-3 Sta. 32+51± O/S 22' Lt. to Sta. 49+68± O/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (1,720 LF)



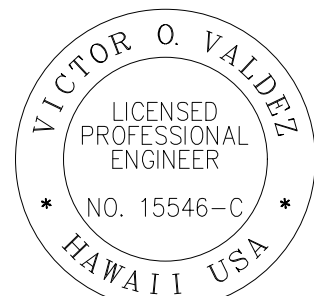
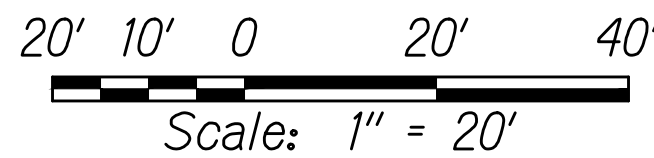
LEGEND:

- Resurfacing Limits:**
- 4" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
- Pavement Reconstruction:**
- 10" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
 - 6" HMA Conc. Base
- Dimensions of Pavement Reconstruction Areas (Width x Length)**
- (38' x 38')

NOTES:

- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

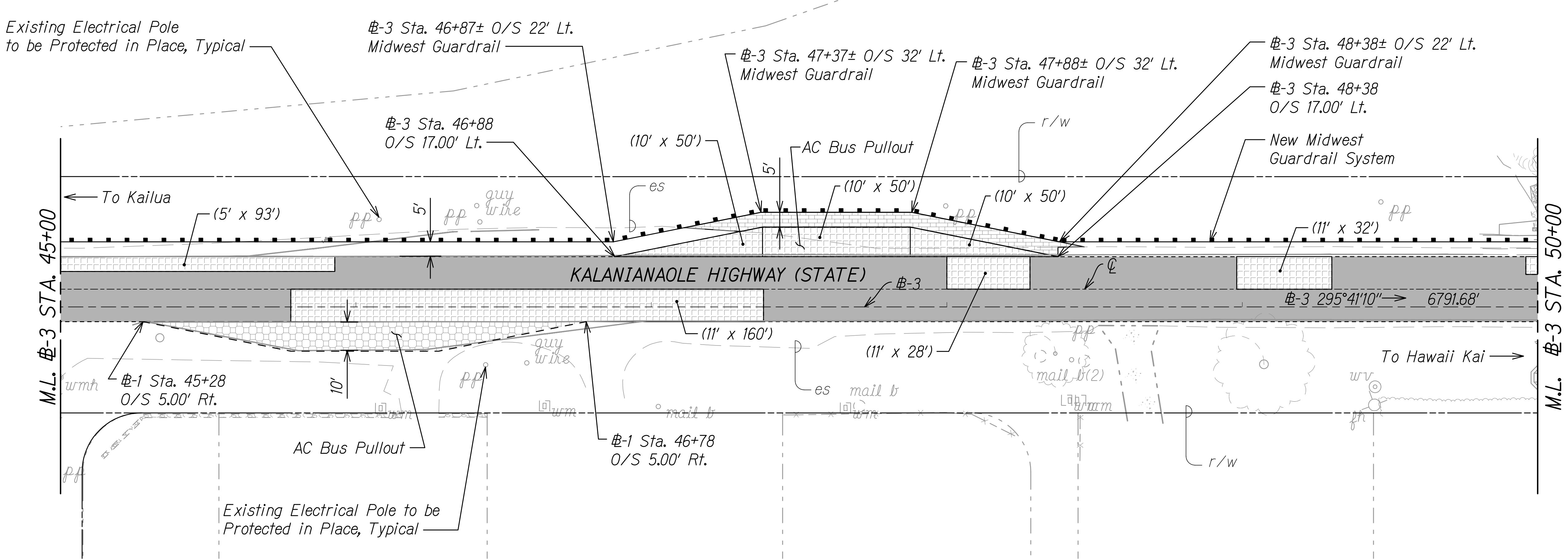
Scale: 1" = 20' Date: January 2021

SHEET No. R30 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	114	243

±-3 Sta. 32+51± 0/S 22' Lt. to Sta. 49+68± 0/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (1,720 LF)

±-3 Sta. 49+68± 0/S 22' Lt. to Sta. 50+43± 0/S 22' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 75 LF)



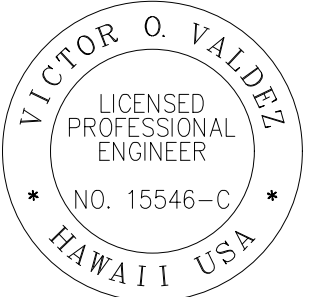
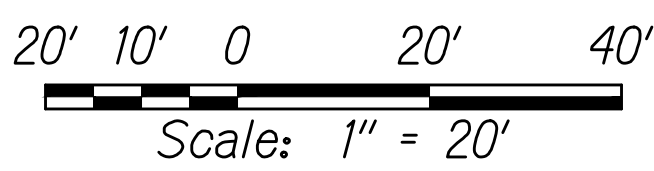
LEGEND:

- Resurfacing Limits:**
- 4" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
- Bus Pad Resurfacing Limits:**
- 2" Cold Plane
 - 2" PMA
- Pavement Reconstruction (Including Bus Pullout):**
- 10" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
 - 6" HMA Conc. Base
- AC Walkway Paving:**
- 2" HMA (Mix IV)
- (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)

NOTES:

- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

[Signature] 04/30/22
SIGNATURE EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

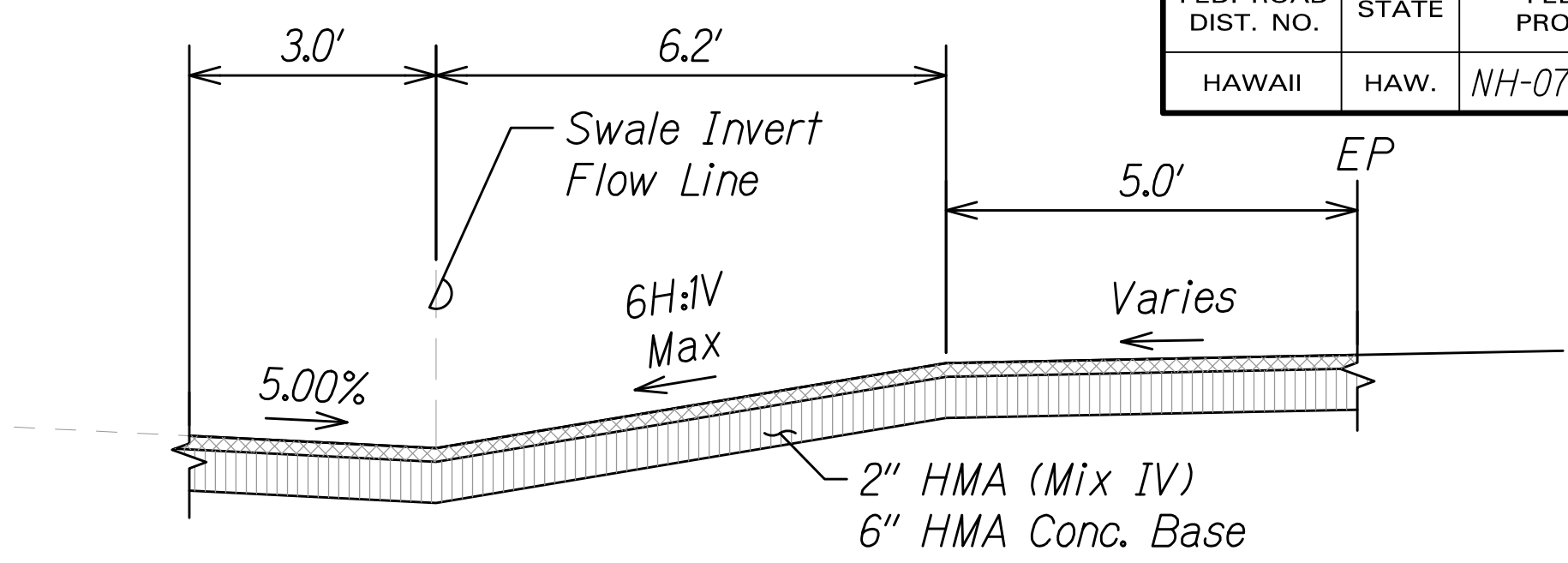
SHEET No. R31 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	115	243

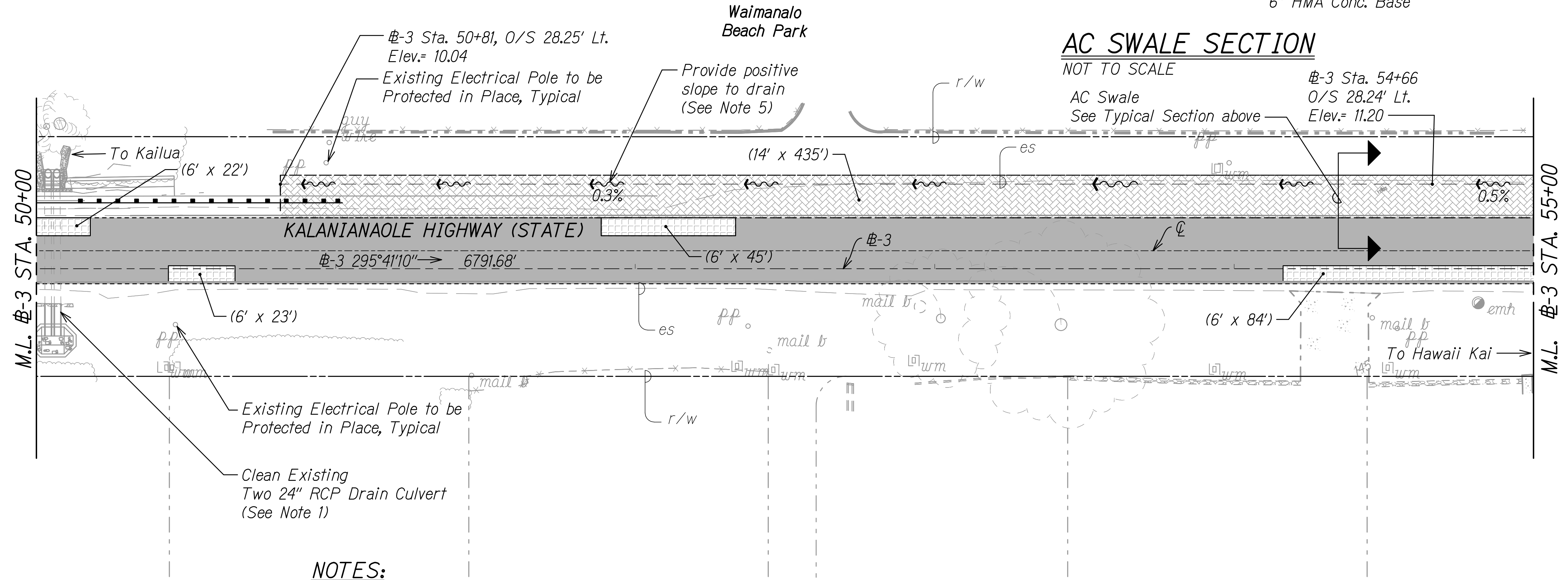
#-3 Sta. 49+68± O/S 22' Lt. to Sta. 50+43± O/S 22' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 75 LF)

#-3 Sta. 50+43± O/S 22' Lt. to Sta. 50+55± O/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (12.50 LF)

#-3 Sta. 50+55± O/S 22' Lt. to Sta. 51+02± O/S 22' Lt.
Install New MSKT-SP-MGS Terminal (8" Block) TL-3



TRUE NORTH
SCALE: 1" = 20'

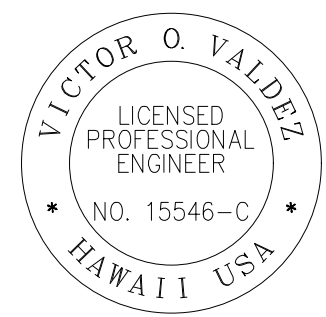
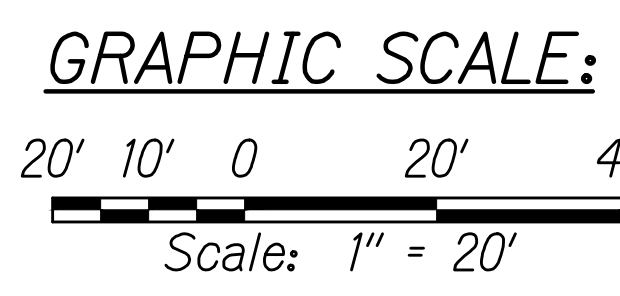


LEGEND:

- Resurfacing Limits:
4" Cold Plane
2" PMA
2" HMA (Mix IV)
- Pavement Reconstruction:
10" Cold Plane
2" PMA
2" HMA (Mix IV)
6" HMA Conc. Base
- AC Swale:
2" HMA (Mix IV)
2" HMA Conc. Base
- (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Signature: [Signature]
Date: 04/30/22
Expiration Date of the License

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

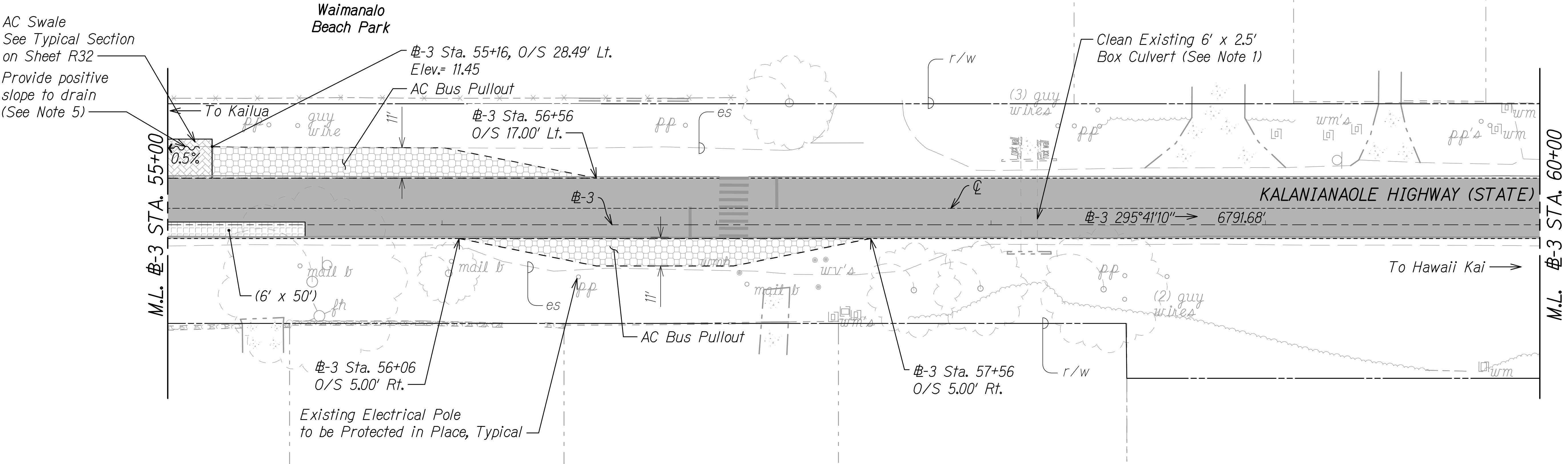
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Paolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R32 OF 66 SHEETS

C:\CIVIL 3D PROJECTS\2017_002.000.DOT KAL HWY RESURFACING POALIMA TO HULL\01 CE DWG\R30-R33 ROADWAY PLANS.DWG 11/4/2020 2:24 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	116	243



TRUE NORTH
SCALE: 1" = 20'

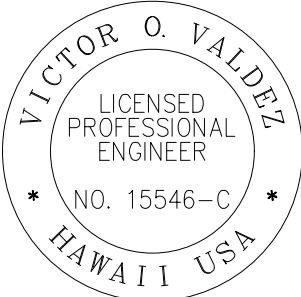
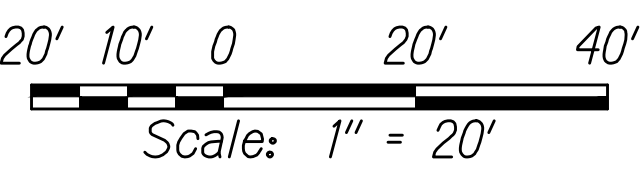
LEGEND:

- Resurfacing Limits:**
- 4" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
- Bus Pad Resurfacing Limits:**
- 2" Cold Plane
 - 2" PMA
- Pavement Reconstruction:**
- 10" Cold Plane
 - 2" PMA
 - 2" HMA (Mix IV)
 - 6" HMA Conc. Base
- AC Swale:**
- 2" HMA (Mix IV)
 - 2" HMA Conc. Base
- (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
[Signature]
EXPIRATION DATE OF THE LICENSE 04/30/22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANAʻOLE HIGHWAY IMPROVEMENTS PHASE 2
Paolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R33 OF 66 SHEETS

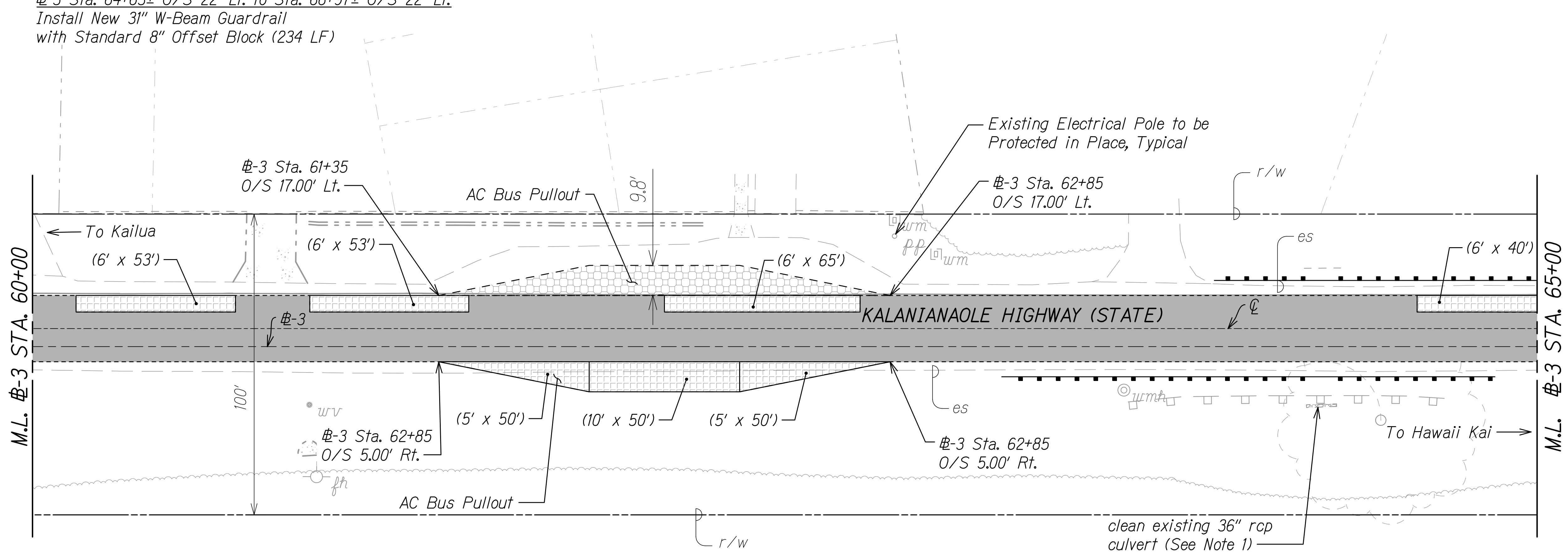
C:\CIVIL 3D PROJECTS\2017_002.000.DOT KAL HWY RESURFACING POALIMA TO HULL\01 CE DWG\R30-R33 ROADWAY PLANS.DWG 11/4/2020 9:12 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	117	243

#-3 Sta. 63+93± O/S 22' Lt. to Sta. 64+16± O/S 22' Lt.
Install Trailing-end Anchorage System

#-3 Sta. 64+16± O/S 22' Lt. to Sta. 64+63± O/S 22' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 47 LF)

#-3 Sta. 64+63± O/S 22' Lt. to Sta. 66+97± O/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (234 LF)



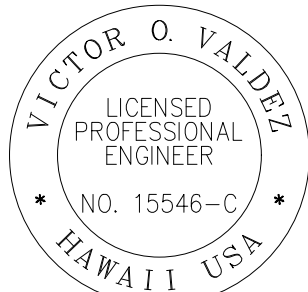
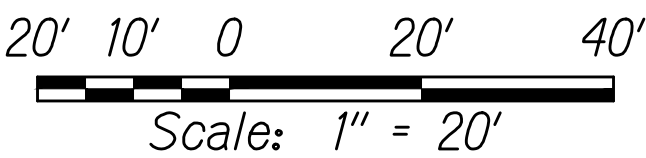
LEGEND:

- Resurfacing Limits:
4" Cold Plane
2" PMA
2" HMA (Mix IV)
- Bus Pad Resurfacing Limits:
2" Cold Plane
2" PMA
- Pavement Reconstruction
(Including Bus Pullout):
10" Cold Plane
2" PMA
2" HMA (Mix IV)
6" HMA Conc. Base
- (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

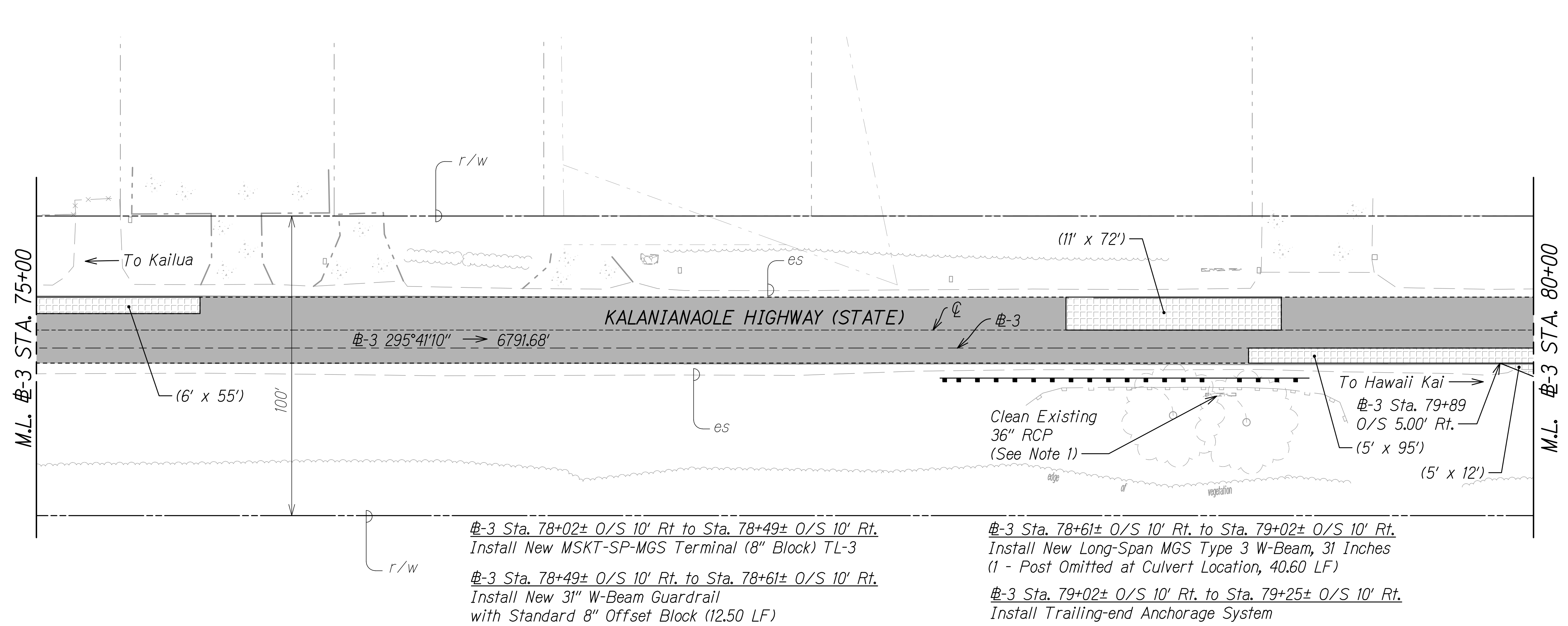
ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R34 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	120	243



TRUE NORTH
SCALE: 1" = 20'

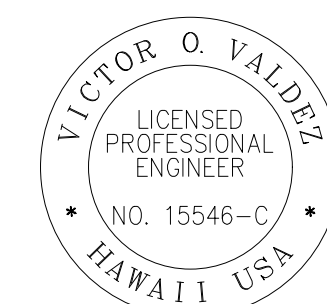
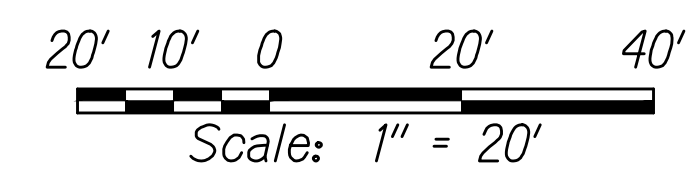
LEGEND:

- Resurfacing Limits:
4" Cold Plane
2" PMA
2" HMA (Mix IV)
- Pavement Reconstruction:
10" Cold Plane
2" PMA
2" HMA (Mix IV)
6" HMA Conc. Base
- (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

EXPIRATION DATE OF THE LICENSE: 04/30/22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

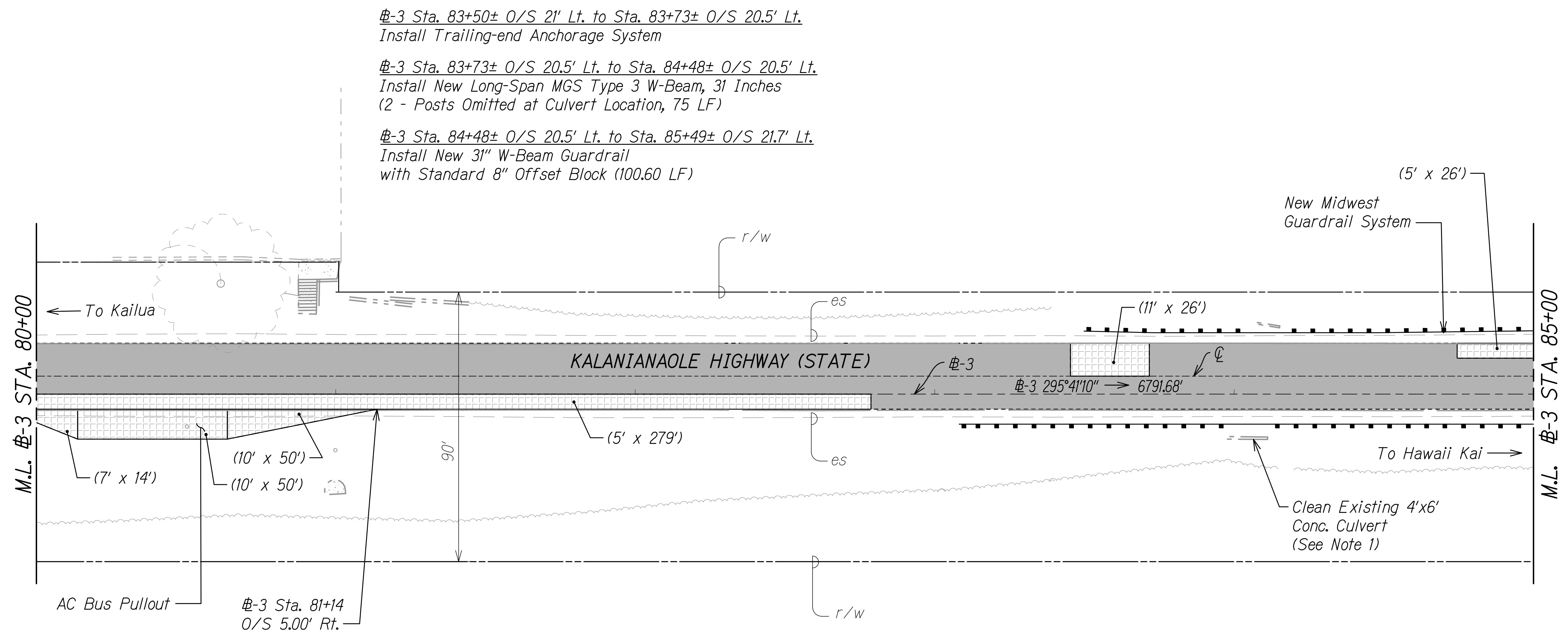
ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R37 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	121	243



TRUE NORTH
SCALE: 1" = 20'

#-3 Sta. 83+50± O/S 21' Lt. to Sta. 83+73± O/S 20.5' Lt.
Install Trailing-end Anchorage System

#-3 Sta. 83+73± O/S 20.5' Lt. to Sta. 84+48± O/S 20.5' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(2 - Posts Omitted at Culvert Location, 75 LF)

#-3 Sta. 84+48± O/S 20.5' Lt. to Sta. 85+49± O/S 21.7' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (100.60 LF)

#-3 Sta. 83+08± O/S 10' Rt. to Sta. 83+55± O/S 10' Rt.
Install New MSKT-SP-MGS Terminal (8" Block) TL-3

#-3 Sta. 83+55± O/S 10' Rt. to Sta. 83+68± O/S 10' Rt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (12.50 LF)

#-3 Sta. 83+68± O/S 10' Rt. to Sta. 84+43± O/S 10' Rt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(2 - Posts Omitted at Culvert Location, 75 LF)

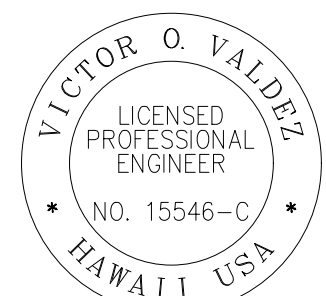
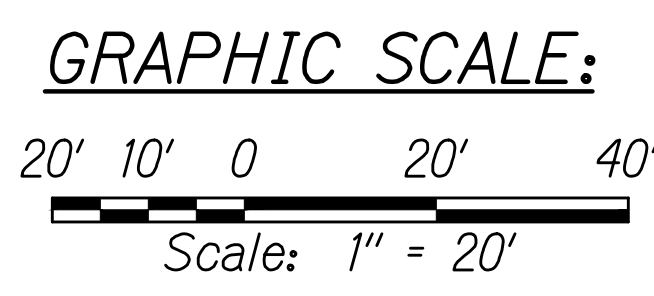
#-3 Sta. 84+43± O/S 10' Rt. to Sta. 85+49± O/S 10' Rt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (106.20 LF)

LEGEND:

- Resurfacing Limits:
4" Cold Plane
2" PMA
2" HMA (Mix IV)
- Pavement Reconstruction
(Including Bus Pullout):
10" Cold Plane
2" PMA
2" HMA (Mix IV)
6" HMA Conc. Base
- (38' x 38') Dimensions of Pavement
Reconstruction Areas (Width x Length)

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

[Signature]
SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Paolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R38 OF 66 SHEETS

C:\CIVIL 3D PROJECTS\2017_002.000.DOT KAL HWY RESURFACING POALIMA TO HULU\01 CE DWG\R38-R40 ROADWAY PLANS.DWG 11/4/2020 9:34 PM

#-3 Sta. 84+48± O/S 20.5' Lt. to Sta. 85+49± O/S 21.7' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (100.60 LF)

#-3 Sta. 85+49± O/S 21.7' Lt. to Sta. 86+17± O/S 22' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 68.75 LF)

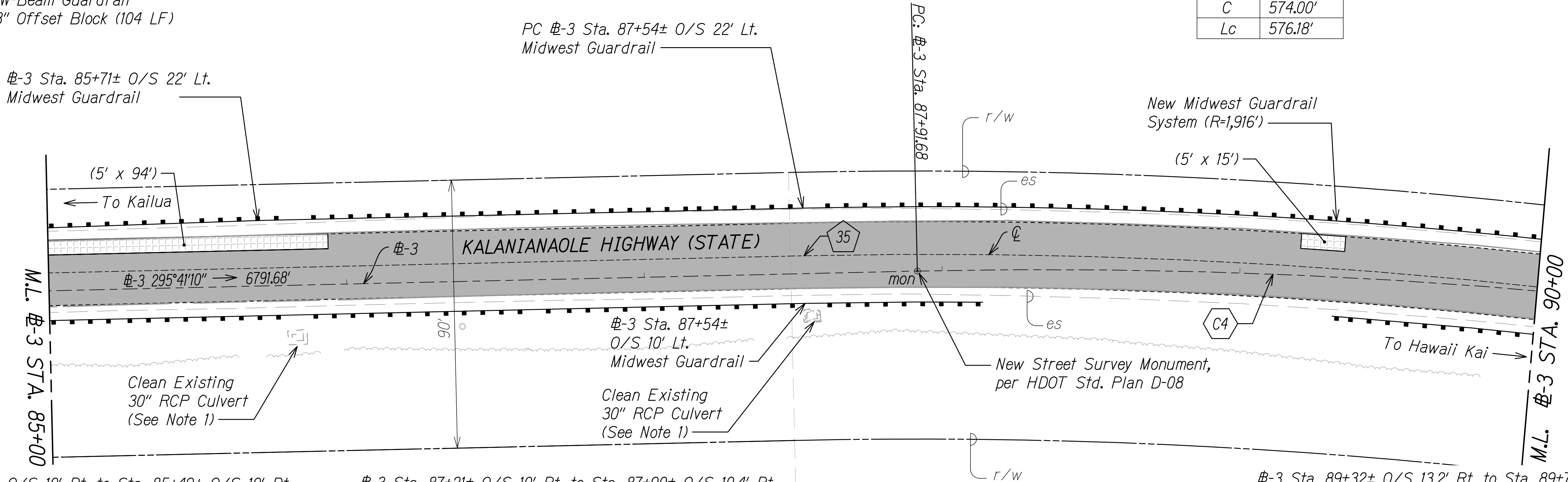
#-3 Sta. 86+17± O/S 22' Lt. to Sta. 87+21± O/S 22' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (104 LF)

#-3 Sta. 87+21± O/S 22' Lt. to Sta. 87+90± O/S 21.7' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 68.75 LF)

#-3 Sta. 87+90± O/S 21.7' Lt. to Sta. 90+05± O/S 17.2' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (217.40 LF)

#-3 CURVE DATA:

CURVE	
Δ	17°17'00"
$\Delta/2$	8°38'30.0"
R	1910.08'
Tan.	290.29'
C	574.00'
Lc	576.18'



#-3 Sta. 84+43± O/S 10' Rt. to Sta. 85+49± O/S 10' Rt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (106.20 LF)

#-3 Sta. 85+49± O/S 10' Rt. to Sta. 86+17± O/S 10' Rt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 68.75 LF)

#-3 Sta. 86+17± O/S 10' Rt. to Sta. 87+21± O/S 10' Rt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (103.90 LF)

#-3 Sta. 87+21± O/S 10' Rt. to Sta. 87+90± O/S 10.4' Rt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 68.75 LF)

#-3 Sta. 87+90± O/S 10.4' Rt. to Sta. 88+14± O/S 10.8' Rt.
Install Trailing-end Anchorage System

#-3 Sta. 89+32± O/S 13.2' Rt. to Sta. 89+79± O/S 14.2' Rt.
Install MSKT-SP-MGS Terminal (8" Block) TL-3

#-3 Sta. 89+79± O/S 14.2' Rt. to Sta. 90+04± O/S 14.7' Rt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (25 LF)

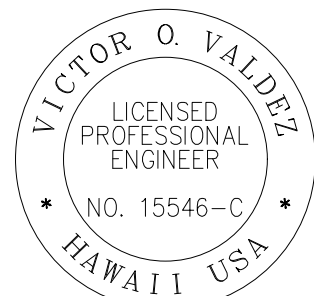
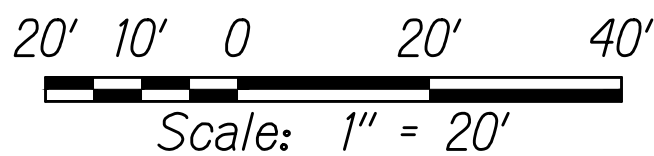
LEGEND:

- Resurfacing Limits:
4" Cold Plane
2" PMA
2" HMA (Mix IV)
- Pavement Reconstruction:
10" Cold Plane
2" PMA
2" HMA (Mix IV)
6" HMA Conc. Base
- (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)
- 1 Roadway Centerline
(See Sheet C23 for Horizontal Data)

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- Contractor shall reference, adjust and/or reset all existing street monuments under the direct supervision of a licensed State of Hawaii Land Surveyor. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of an error ratio of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. R39 OF 66 SHEETS

#-3 CURVE DATA:

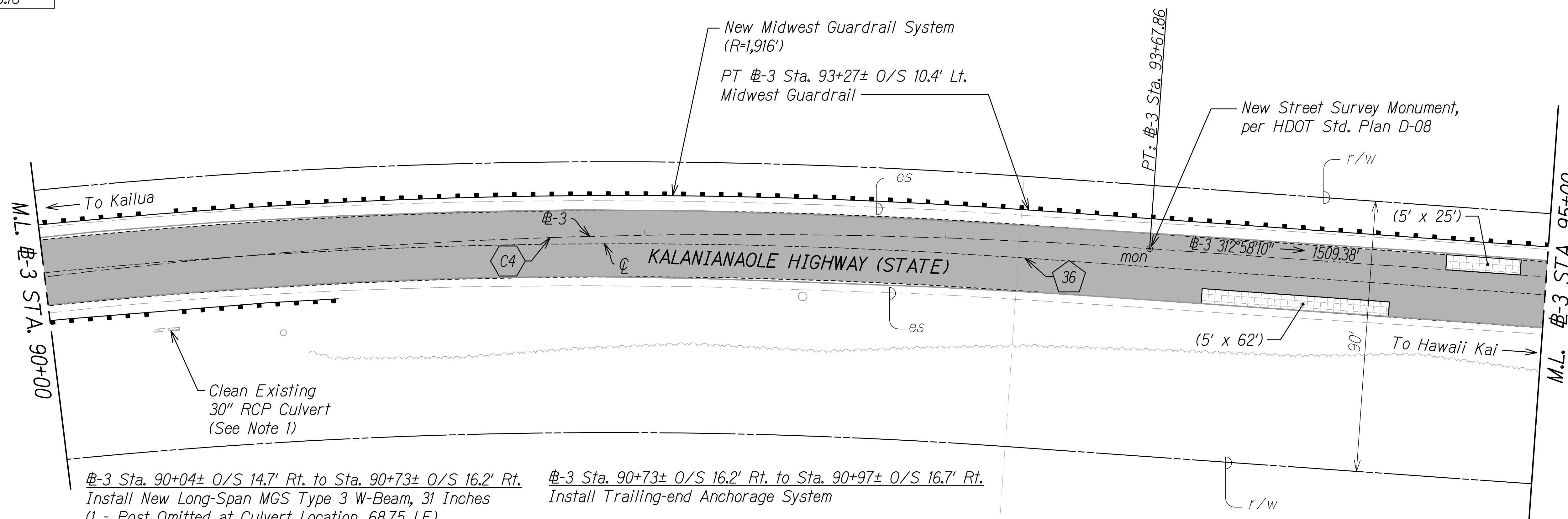
CURVE	C4
Δ	17°17'00"
$\Delta/2$	8°38'30.0"
R	1910.08'
Tan.	290.29'
C	574.00'
Lc	576.18'

#-3 Sta. 87+90± 0/S 21.7' Lt. to Sta. 90+05± 0/S 17.2' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (217.40 LF)

#-3 Sta. 90+05± 0/S 17.2' Lt. to Sta. 90+73± 0/S 15.8' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 68.75 LF)

#-3 Sta. 90+73± 0/S 15.8' Lt. to Sta. 99+71± 0/S 10' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (899.30 LF)

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	123	243



TRUE NORTH
SCALE: 1" = 20'

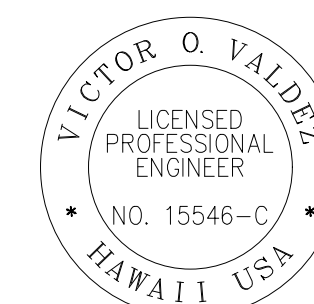
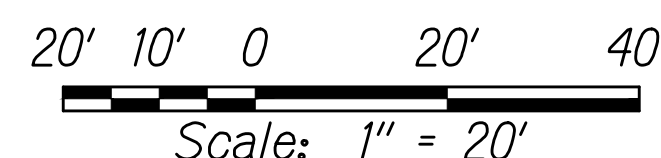
LEGEND:

- Resurfacing Limits:**
- 4" Cold Plane
 - 2" Polymer Modified Asphalt (PMA)
 - 2" Hot Mix AC Pavement, Mix No. IV
- Pavement Reconstruction:**
- 10" Cold Plane
 - 2" Polymer Modified Asphalt (PMA)
 - 2" Hot Mix AC Pavement, Mix No. IV
 - 6" Hot Mix Asphalt Conc. Base Course
- (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)
- 1 Roadway Centerline (See Sheet C23 for Horizontal Data)

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 and C15.
- Contractor shall reference, adjust and/or reset all existing street monuments under the direct supervision of a licensed State of Hawaii Land Surveyor. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of an error ratio of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Paolima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

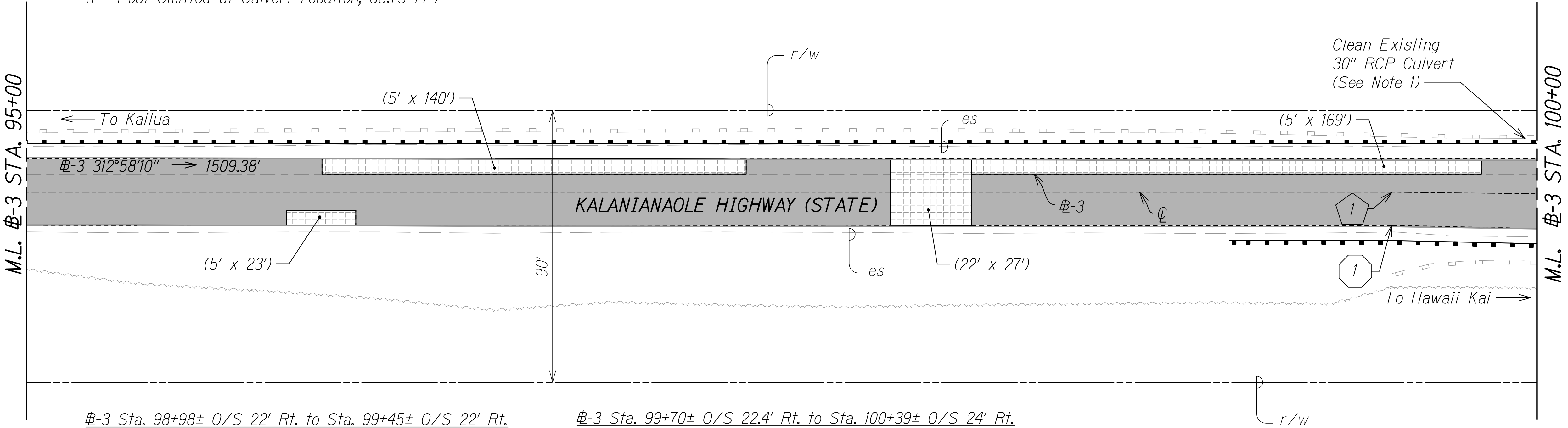
Scale: 1" = 20' Date: January 2021

SHEET No. R40 OF 66 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	124	243

#-3 Sta. 90+73± O/S 15.8' Lt. to Sta. 99+71± O/S 10' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (899.30)

#-3 Sta. 99+71± O/S 10' Lt. to Sta. 100+39± O/S 10' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 68.75 LF)




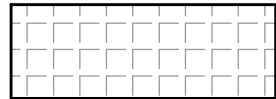
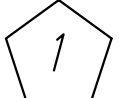
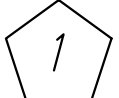
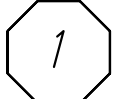
#-3 Sta. 98+98± O/S 22' Rt. to Sta. 99+45± O/S 22' Rt.
Install New MSKT-SP-MGS Terminal (8" Block) TL-3

#-3 Sta. 99+45± O/S 22' Rt. to Sta. 99+70± O/S 22.4' Rt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (25 LF)

#-3 Sta. 99+70± O/S 22.4' Rt. to Sta. 100+39± O/S 24' Rt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 Post Omitted at Culvert Location, 68.75 LF)

1 #-3 Sta. 99+52
O/S 17' Rt.

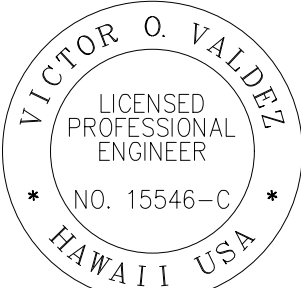
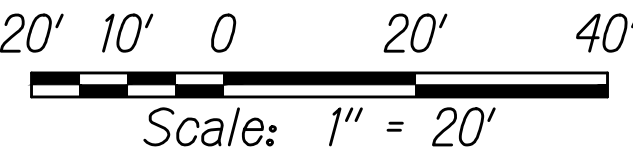
LEGEND:

-  Resurfacing Limits:
4" Cold Plane
2" PMA
2" HMA (Mix IV)
-  Pavement Reconstruction:
10" Cold Plane
2" PMA
2" HMA (Mix IV)
6" HMA Conc. Base
-  (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)
-  Roadway Centerline
(See Sheet C23 for Horizontal Data)
-  Resurfacing Limits Station and Offset

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt Conc. base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION


SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

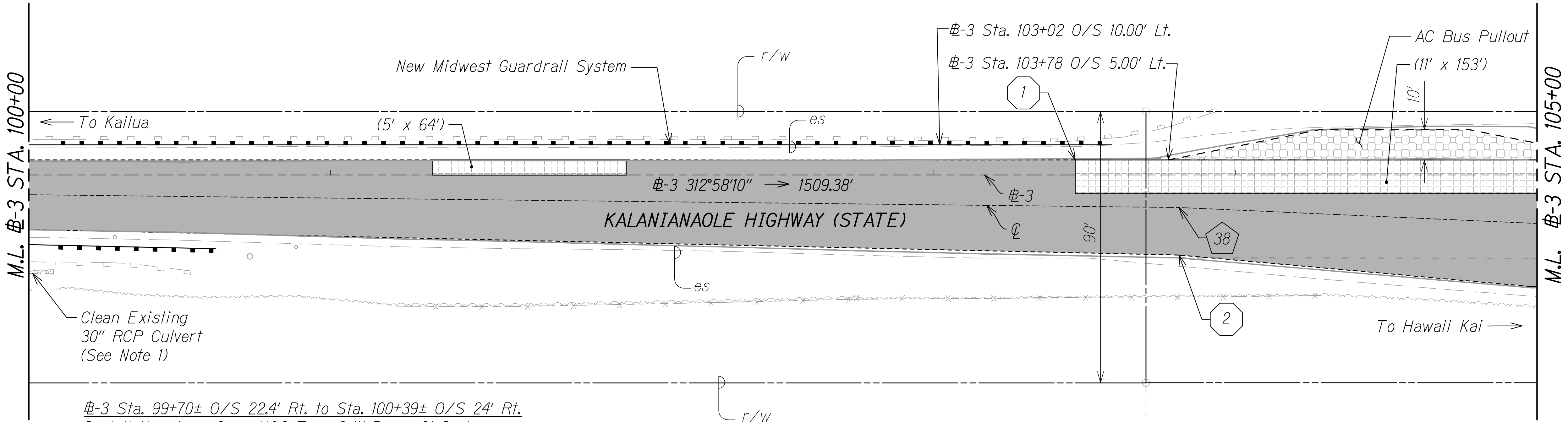
SHEET No. **R41** OF **66** SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	125	243

#-3 Sta. 99+71± O/S 10' Lt. to Sta. 100+39± O/S 10' Lt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 68.75 LF)

#-3 Sta. 100+39± O/S 10' Lt. to Sta. 103+12± O/S 10' Lt.
Install New 31" W-Beam Guardrail
with Standard 8" Offset Block (272.60)

#-3 Sta. 103+12± O/S 10' Lt. to Sta. 103+59± O/S 10' Lt.
Install New MSKT-SP-MGS Terminal (8" Block) TL-3



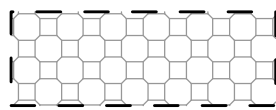
#-3 Sta. 99+70± O/S 22.4' Rt. to Sta. 100+39± O/S 24' Rt.
Install New Long-Span MGS Type 3 W-Beam, 31 Inches
(1 - Post Omitted at Culvert Location, 68.75 LF)

#-3 Sta. 100+39± O/S 24' Rt. to Sta. 100+62± O/S 24.5' Rt.
Install Trailing-end Anchorage System

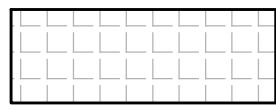
LEGEND:



Resurfacing Limits:
4" Cold Plane
2" PMA
2" HMA (Mix IV)



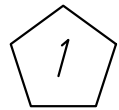
Bus Pad Resurfacing Limits:
2" Cold Plane
2" PMA



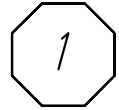
Pavement Reconstruction:
10" Cold Plane
2" PMA
2" HMA (Mix IV)
6" Hot Mix Asphalt Conc. Base Course

(38' x 38')

Dimensions of Pavement
Reconstruction Areas (Width x Length)



Roadway Centerline
(See Sheet C23 for Horizontal Data)



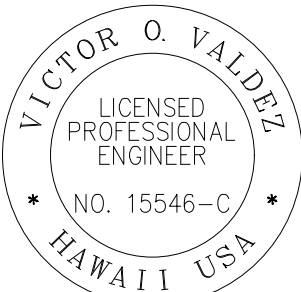
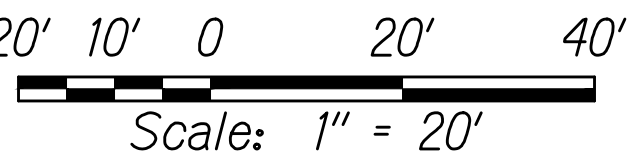
Resurfacing Limits Station and Offset

NOTES:

- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.

- 1 #3 Sta. 103+47
O/S 5' Rt.
- 2 #3 Sta. 103+81
O/S 26' Rt.

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

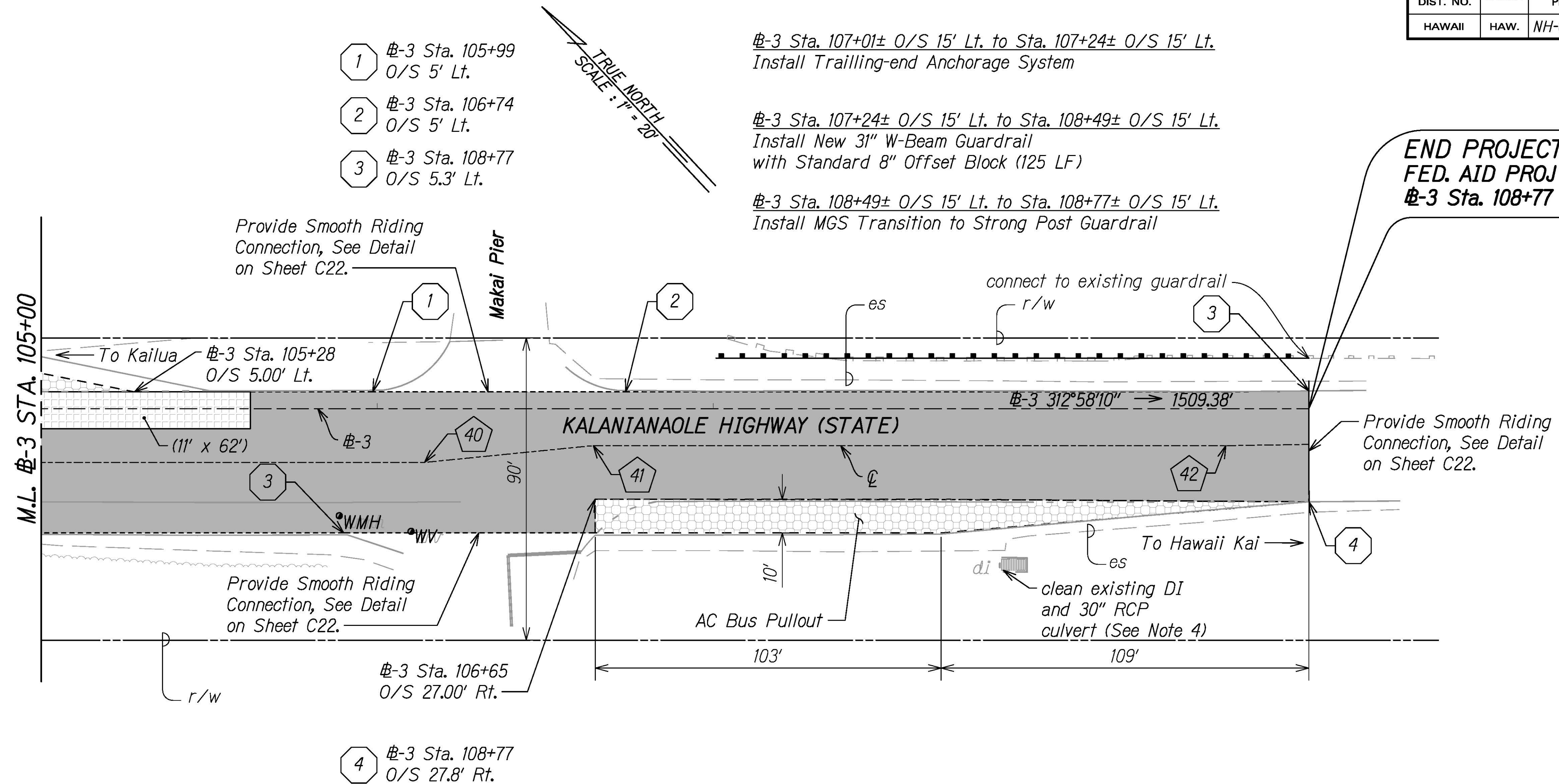
ROADWAY PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **R42** OF **66** SHEETS

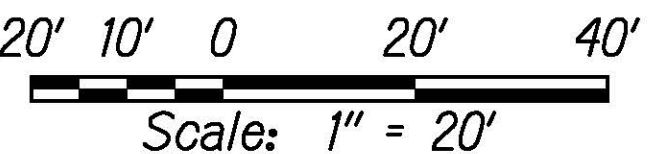
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 126	243



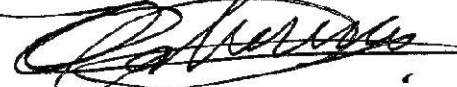
APPROVED: 

MANAGER AND CHIEF ENGINEER, BWS DATE
(For work affecting BWS Facilities in
City/State R/W and BWS Easements only)

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE:  04/30/22
EXPIRATION DATE OF THE LICENSE



LEGEND:

- Resurfacing Limits:
4" Cold Plane
2" PMA
2" HMA (Mix IV)
- Bus Pad Resurfacing Limits:
2" Cold Plane
2" PMA
- Pavement Reconstruction:
10" Cold Plane
2" PMA
2" HMA (Mix IV)
6" HMA Conc. Base
- (38' x 38') Dimensions of Pavement Reconstruction Areas (Width x Length)
- 1 Roadway Centerline
(See Sheet C23 for Horizontal Data)
- 1 Resurfacing Limits Station and Offset

NOTES:

- For Signs and Sign Posts Adjustments, See Pavement Marking and Signing Plans M1 to M44.
- For Pavement Reconstruction Areas, See Weakened Pavement Repair Schedule on Sheets C13 to C15.
- The Contractor may elect to reconstruct the entire depth of pavement reconstruction with asphalt concrete base, in preparation of cold planing as a separate operation but the State will not pay for the extra base course.
- The Contractor shall inspect and clean all drain culverts within the project limits and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- The Contractor shall inspect and clean all drain culverts within the project limits as directed by the Engineer, and shall be paid under Item No. 603.0100 Clean Existing Culverts.
- After completion of resurfacing, the Contractor and the Engineer will test for and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas at no cost to the State.
- Adjust Water Manhole and Water Valve covers to new roadway pavement finished grade.



4/16/21	 Updated Note 7 - BWS Comments 4/12/21
3/26/21	 Added Note 7 and BWS approval block
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2 Poalima Street to Vicinity of Makai Pier Federal-Aid Project No. NH-072-1(059)	
Scale: 1" = 20'	Date: March 2021
SHEET No. R43 OF 66 SHEETS	