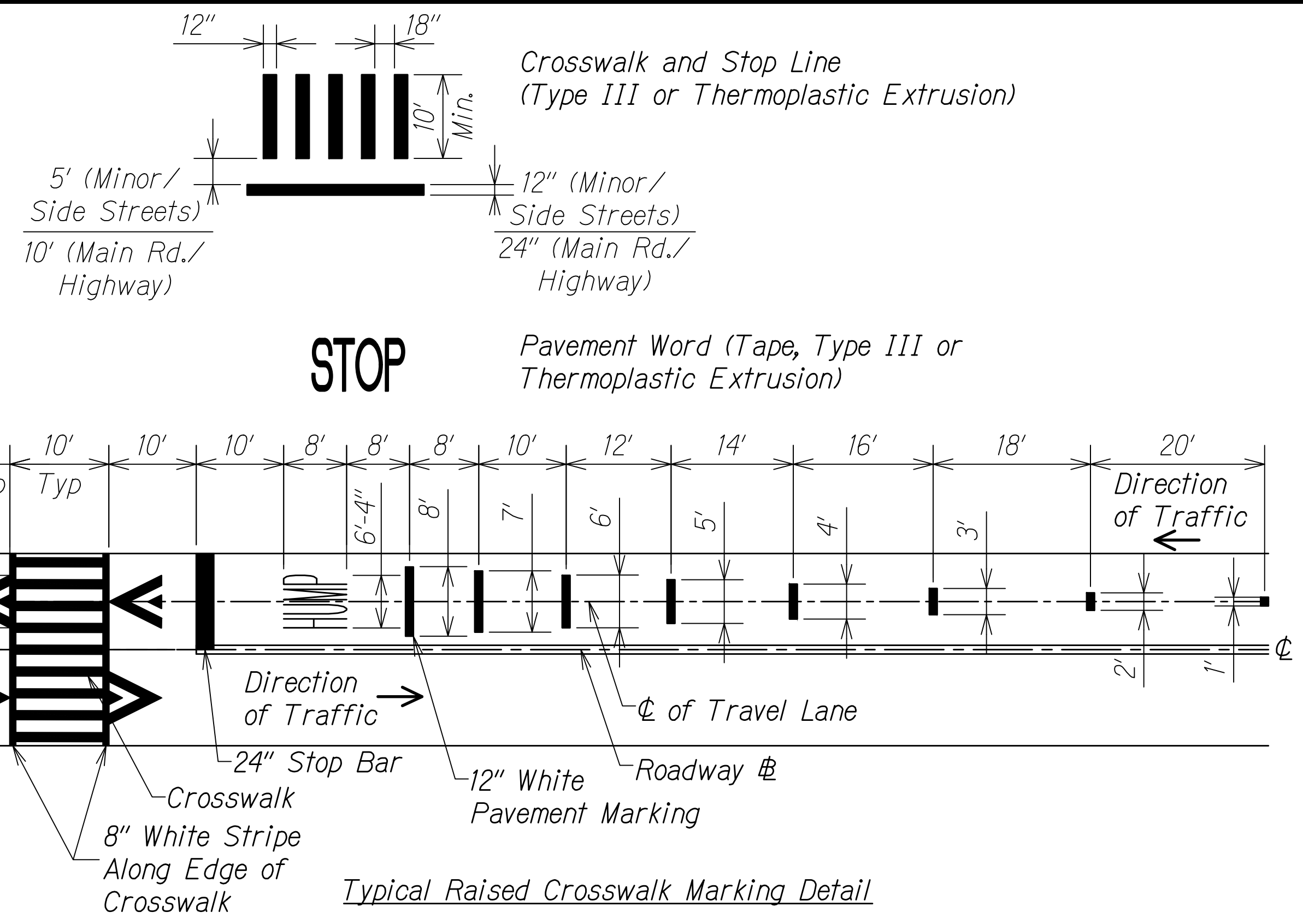
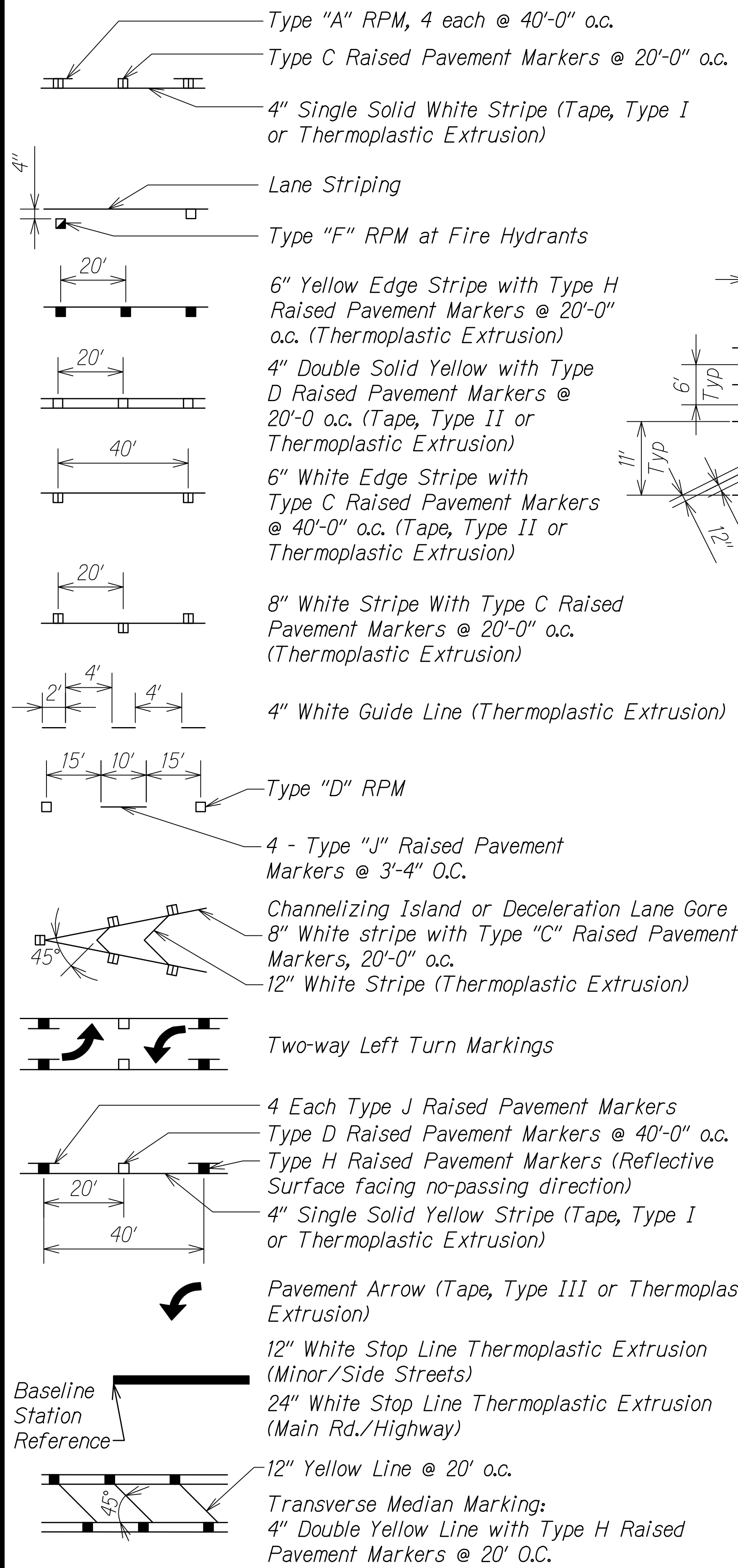


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	150	243

PAVEMENT MARKING LEGEND:



SIGNING AND PAVEMENT MARKING NOTES:

- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
- Existing pavement markings and striping not incorporated in the final traffic pattern shall be removed as directed by the Engineer. The removal of the existing pavement markings shall not be paid for separately and shall be considered incidental to the various pavement marking items.
- Raised pavement markers shall not be installed within the crosswalks.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans or directed by the Engineer shall not be paid for and shall be considered incidental to the various signing items.
- Final locations of all stop lines shall be approved by the Engineer prior to installation.
- All pavement striping shall be as noted on the legend or plans.
- Existing signs that are to be replaced shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
- Backing for all new regulatory and warning signs shall not be spliced.
- All sign panels shall conform to the latest and adopted editions and amendments of the following FHWA publications:
 - "Manual on Uniform Traffic Control Devices for Street and Highways" (MUTCD)
 - "Standard Highway Signs"
 - "Standard Alphabet for Highway Signs"

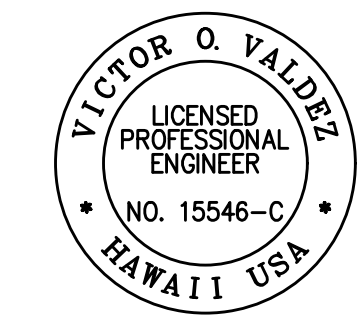
- Sign messages shall be as indicated on the plans.
- All new and relocated signs and markers installed on pipe post or light standard are to be mounted with band brackets and steel braces.
- All new pedestrian crossing signs shall be Fluorescent Yellow-Green Signs.
- Removal of existing delineators and posts as directed by the Engineer shall be considered incidental to the various signing items.
- All new and relocated permanent signs (informational, regulatory and warning) installed within HDOT Right-of-Ways shall be coordinated with HWY-OM and shall have a barcode sticker, supplied and installed by the Contractor, placed on the back of each sign identifying the installation date of each sign.

SIGNING LEGEND:



SIGNING KEY:

- Remove Exist. Sign(s) ϕ Post(s).
- Remove Exist. Sign(s) w/ Post(s) ϕ Install New Sign(s) w/Post(s) ϕ Type II Object Marker (OM2-2, Yellow).
- Install Type II Object marker (OM2-2, Yellow) on existing pole.
- Install Type II reflector Marker (RM-2, Yellow) on New Post(s).
- Install New Sign(s) ϕ Post(s) ϕ Type II Object Marker (OM2-2, Yellow).
- Remove Exist. Sign(s) ϕ Install New Sign(s) on Exist. Post(s).
- Relocate Exist. Sign On New Post(s) (See Detail M46 and Standard Plan TE-03B).
- Exist. Sign(s) ϕ Post(s) to Remain.
- Install New Sign(s) ϕ Post(s) (See Detail M46 and Standard Plans TE-03B ϕ TE-16).
- Install New Sign(s) on Exist. Pole (See Detail M46 and Standard Plans TE-03B ϕ TE-16).
- Relocate Exist. RRFB(s) to New Sign Post(s).
- Install New Sign(s) ϕ Post(s).

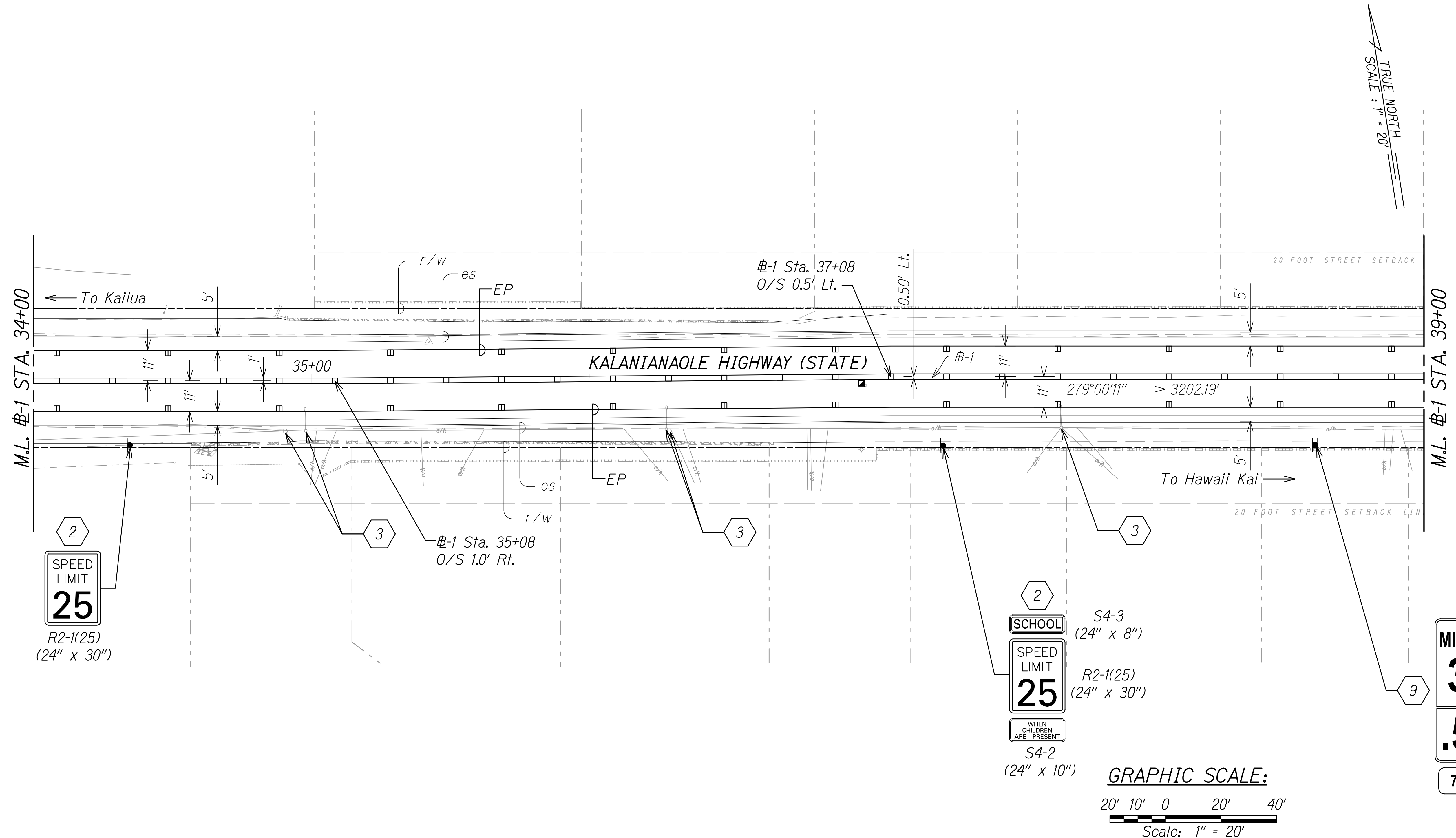


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 SIGNATURE: [Signature] 04/30/22
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING LEGEND AND NOTES
 KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
 Poalima Street to Vicinity of Makai Pier
 Federal-Aid Project No. NH-072-1(059)
 Scale: N/A Date: January 2021
 SHEET No. **M1** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002_000_DOT_KAL_Hwy_Resurfacing_Poalima_To_Hulu_Oi_Ce_DWG\01_PAVEMENT MARKING LEGEND AND NOTES.DWG 11/6/2020 6:03 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	152	243

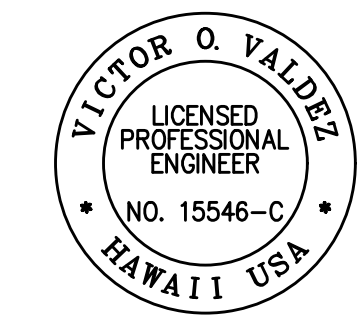


SIGNING KEY:

- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 9 Install New Sign(s) & Post(s) (See Detail M46 and Standard Plans TE-03B & TE-16).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.

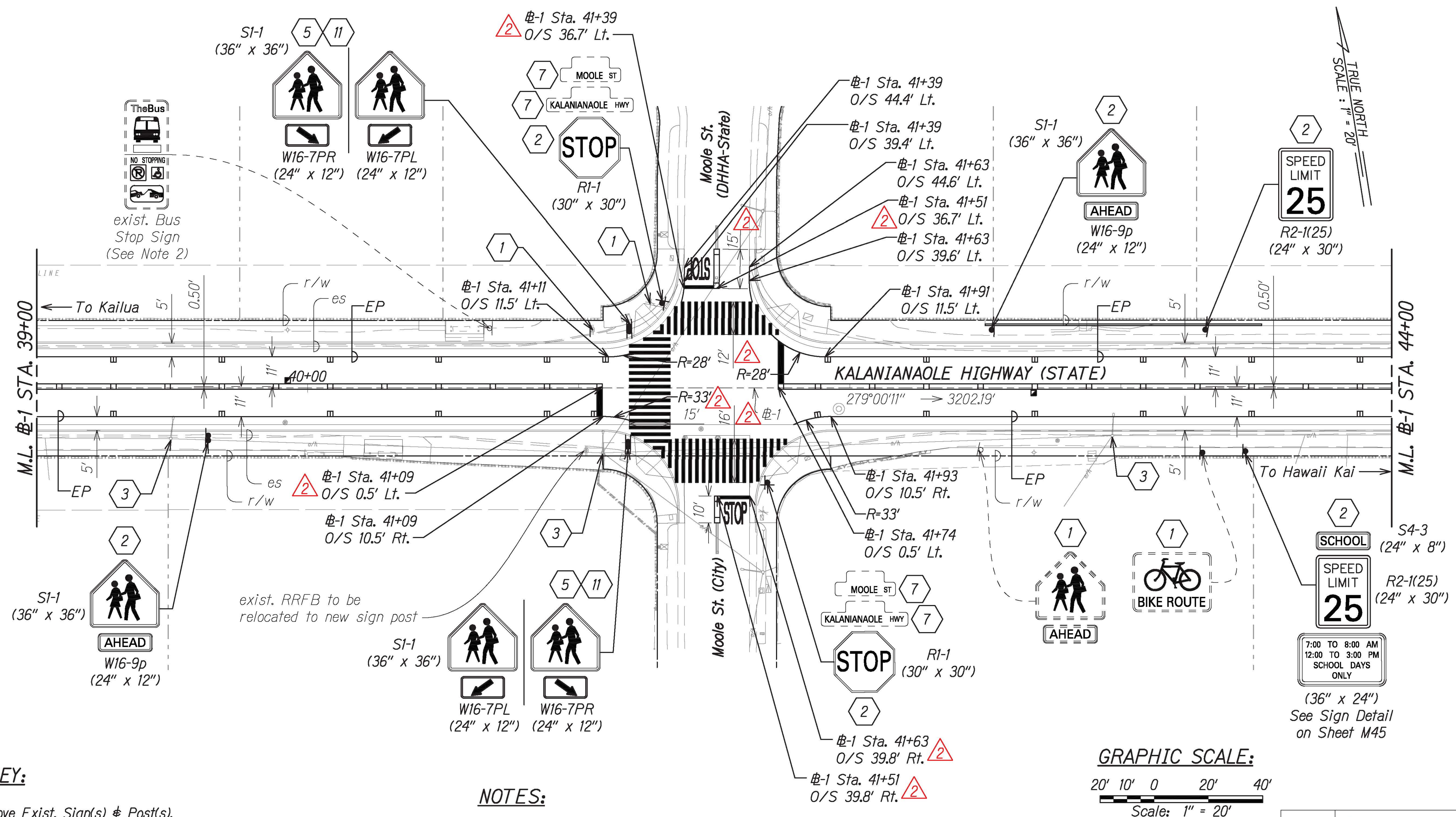


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Victor O. Valdez
 SIGNATURE
 04/30/22
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING 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. M3 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002_000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULLA01_CE_DWG\W2-M9_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 5:19 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	ADD. 153	243

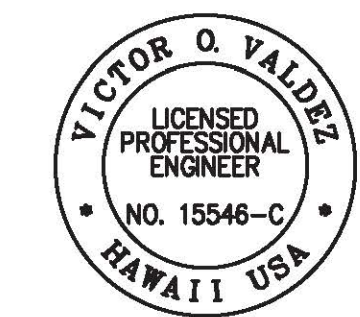
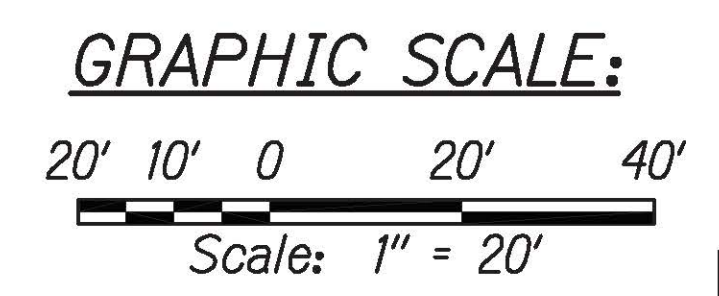


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 5 Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
- 7 Relocate Exist. Sign On New Post(s) (See Detail M46 and Standard Plan TE-03B).
- 11 Relocate Exist. RRFB(s) to New Sign Post(s).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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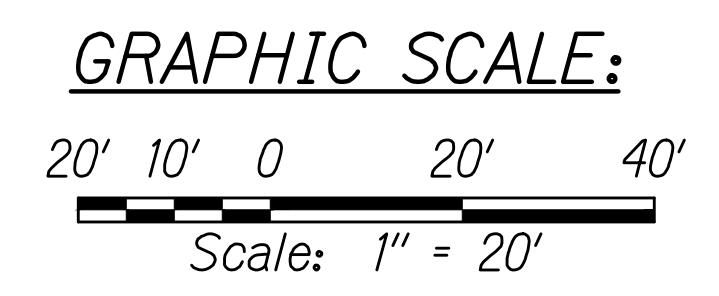
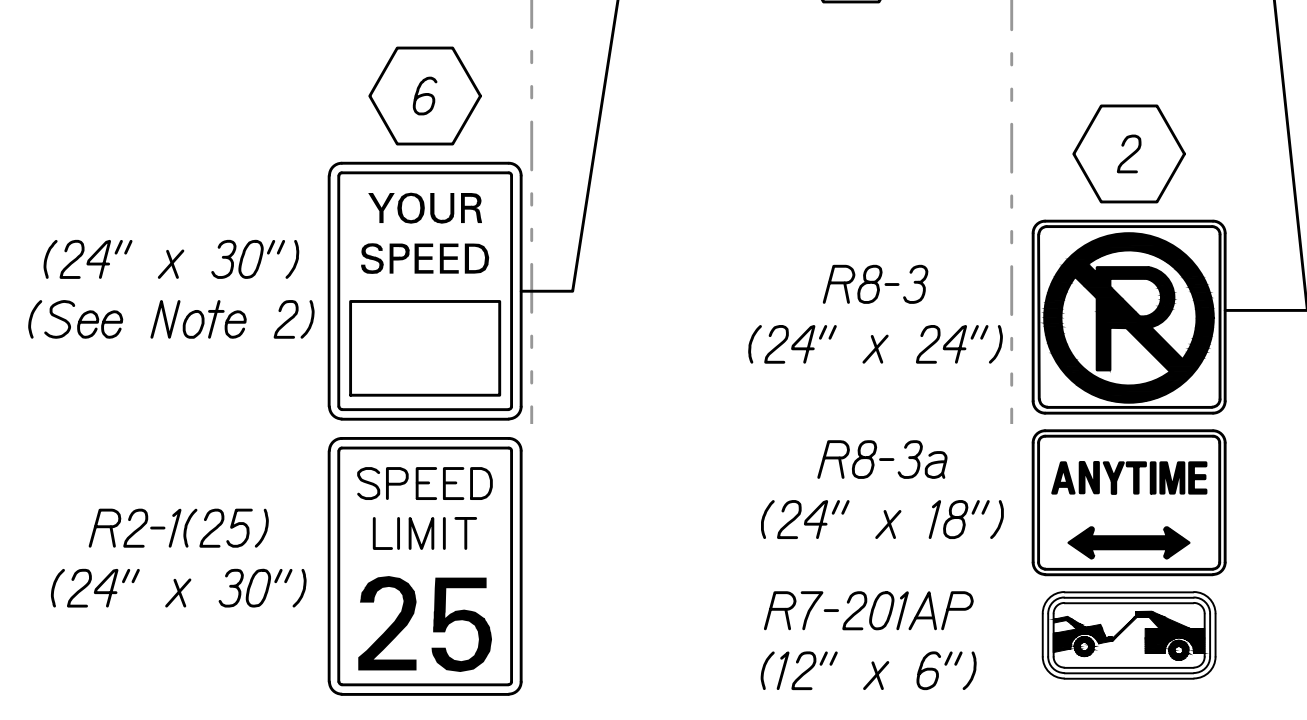
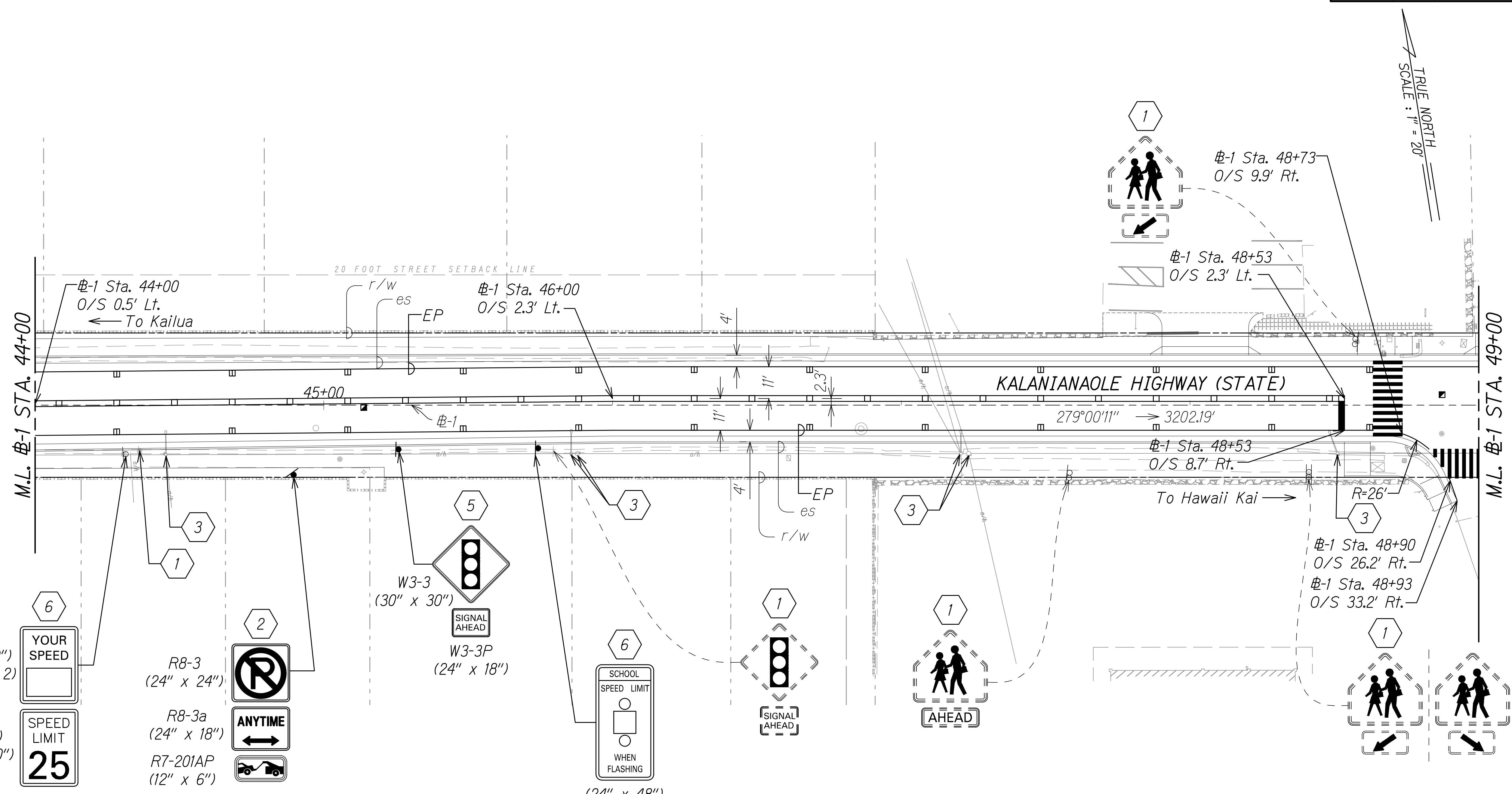
Victor O. Valdez
SIGNATURE

04/30/22
EXPIRATION DATE OF THE LICENSE

3/26/21	2	Revised Crosswalk Markings per DCAB Comment.
DATE	REVISION	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PAVEMENT MARKING & SIGNING 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. M4 OF 46 SHEETS		

C:\CIVIL_3D PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULUOI_CE_DWG\M2-M9_PAVEMENT MARKING AND SIGNING PLANS.DWG 3/25/2021 6:07 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	154	243

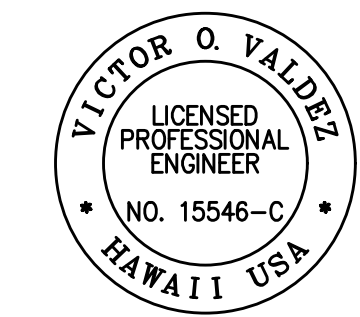


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 5 Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
- 6 Remove Exist. Sign(s) & Install New Sign(s) on Exist. Post(s).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. Contractor shall replace signs only. All existing electronic components of the system shall remain in place and be protected during construction. Any damages incurred to the device during construction shall be the responsibility and at the expense of the Contractor.

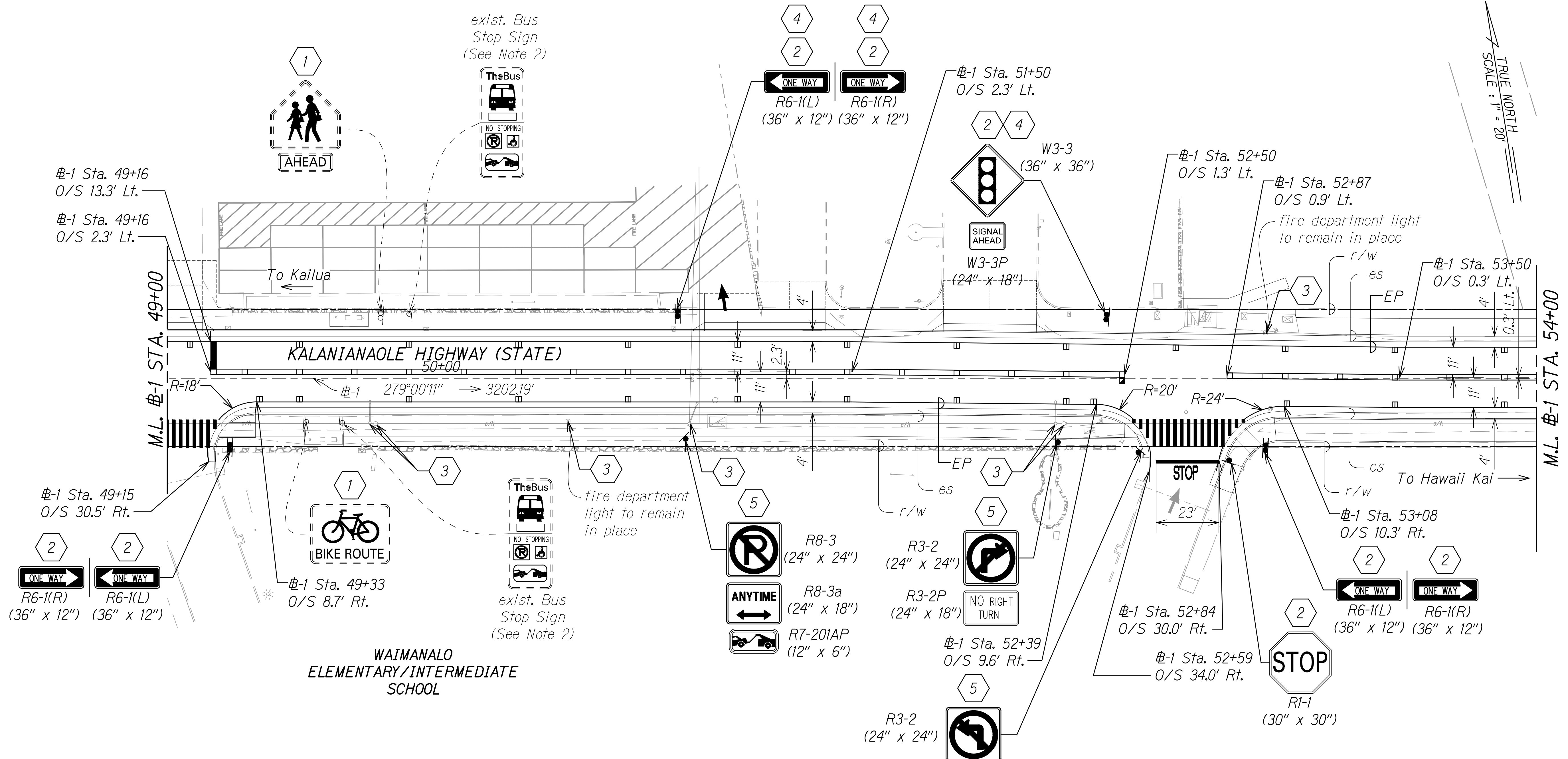


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Victor O. Valdez
 SIGNATURE 04/30/22
 EXPIRATION DATE OF THE LICENSE

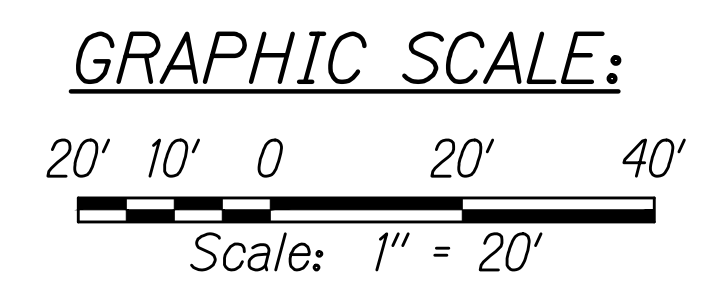
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLAN
 KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
 Poalima Street to Vicinity of Makai Pier
 Federal-Aid Project No. NH-072-1(059)
 Scale: 1" = 20' Date: January 2021
 SHEET No. M5 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M2-M9_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 4:20 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	155	243



TRUE NORTH
SCALE: 1" = 20'

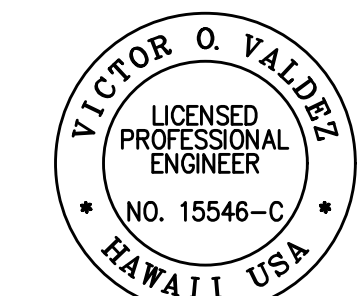


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 4 Install Type II reflector Marker (RM-2, Yellow) on New Post(s).
- 5 Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

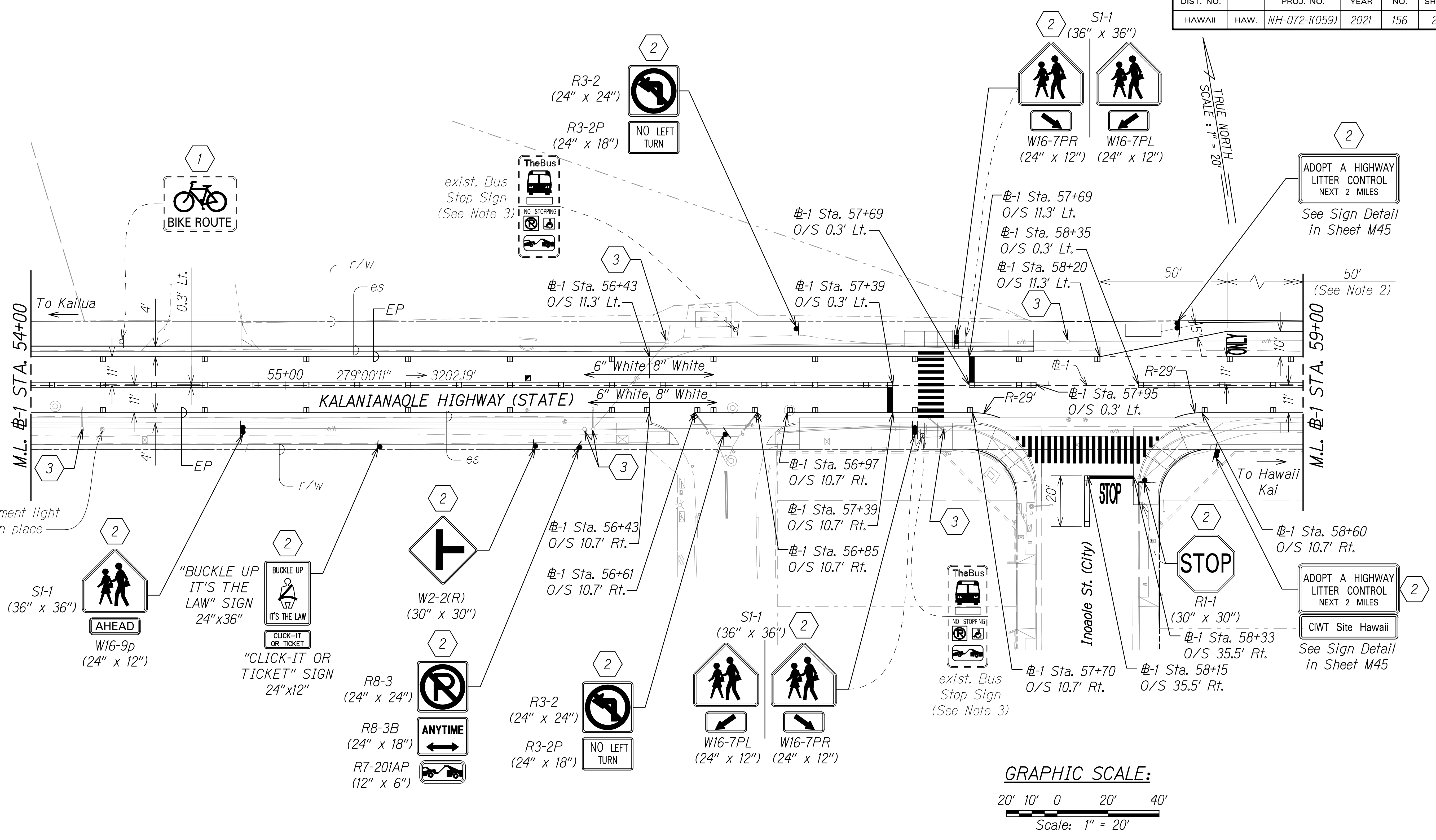
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M6** OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_Resurfacing_Poalima_to_Hulu\01_CE_DWG\M2-M9_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/14/2021 6:36 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	156	243

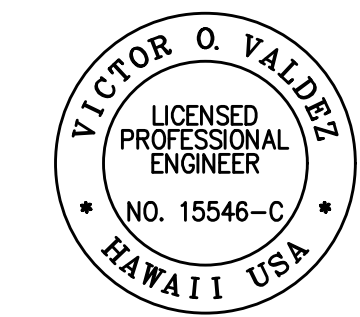
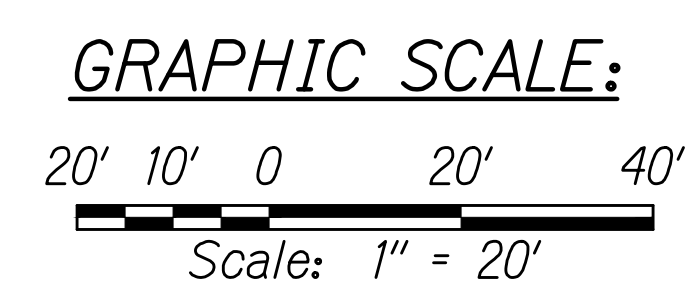


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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[Signature] 04/30/22

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING 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

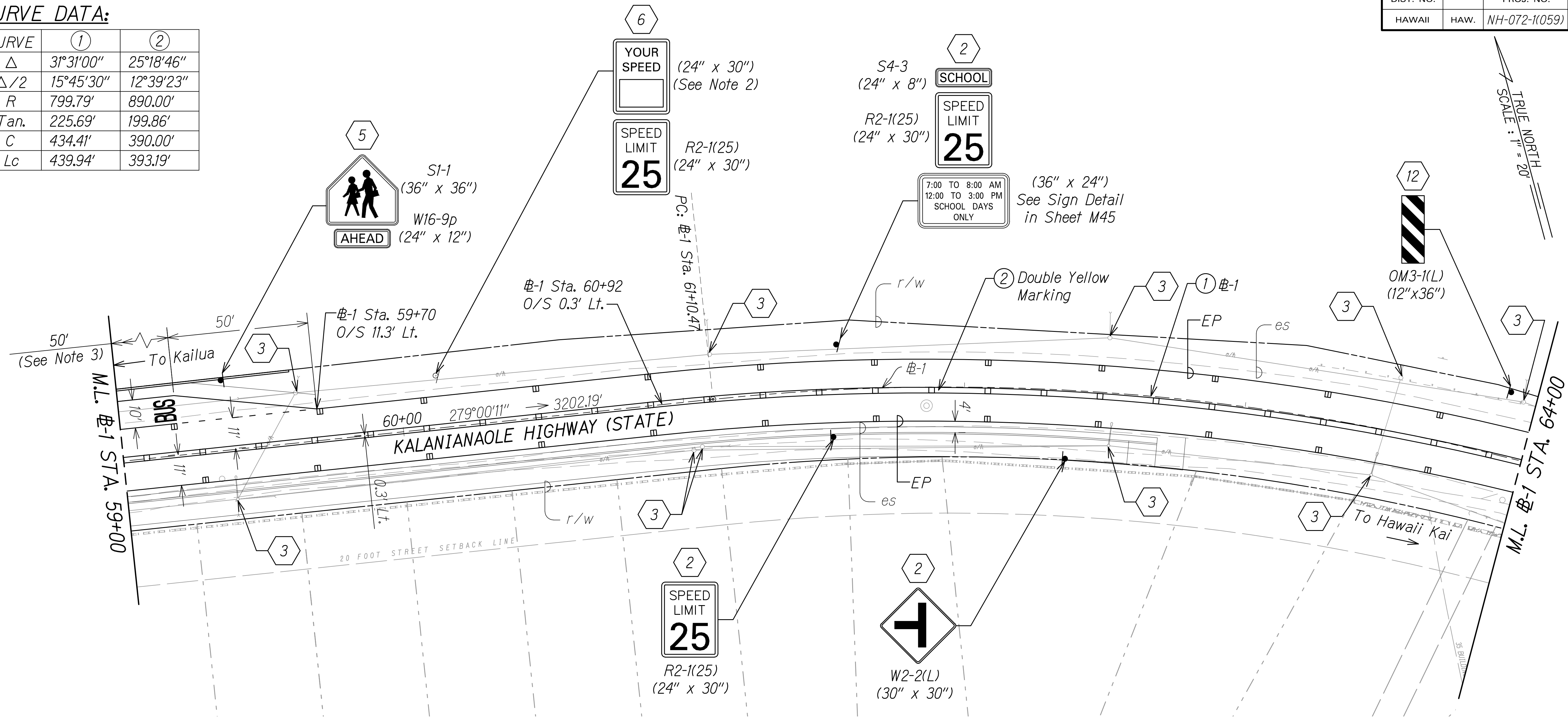
SHEET No. **M7** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_Resurfacing_Poalima_To_Hulu\01_CE_DWG\W2-M9_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/14/2021 8:56 AM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	157	243

CURVE DATA:

CURVE	①	②
Δ	31°31'00"	25°18'46"
$\Delta/2$	15°45'30"	12°39'23"
R	799.79'	890.00'
Tan.	225.69'	199.86'
C	434.41'	390.00'
Lc	439.94'	393.19'



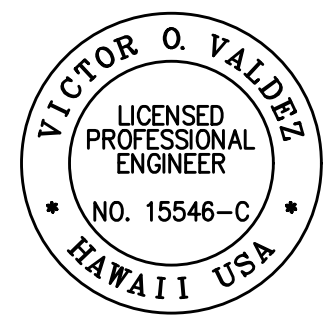
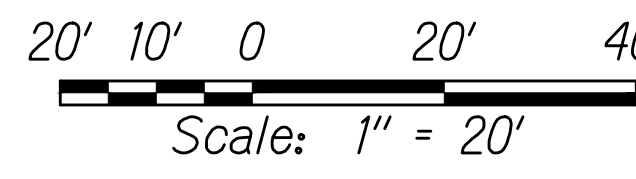
SIGNING KEY:

- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.
- ⑤ Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
- ⑥ Remove Exist. Sign(s) & Install New Sign(s) on Exist. Post(s).
- ⑫ Install New Sign(s) & Post(s).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. Contractor shall replace signs only. All existing electronic components of the system shall remain in place and be protected during construction. Any damages incurred to the device during construction shall be the responsibility and at the expense of the Contractor.
3. For Bus Bay Marking, See HDOT Standard Plan TE-28A.

GRAPHIC SCALE:



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

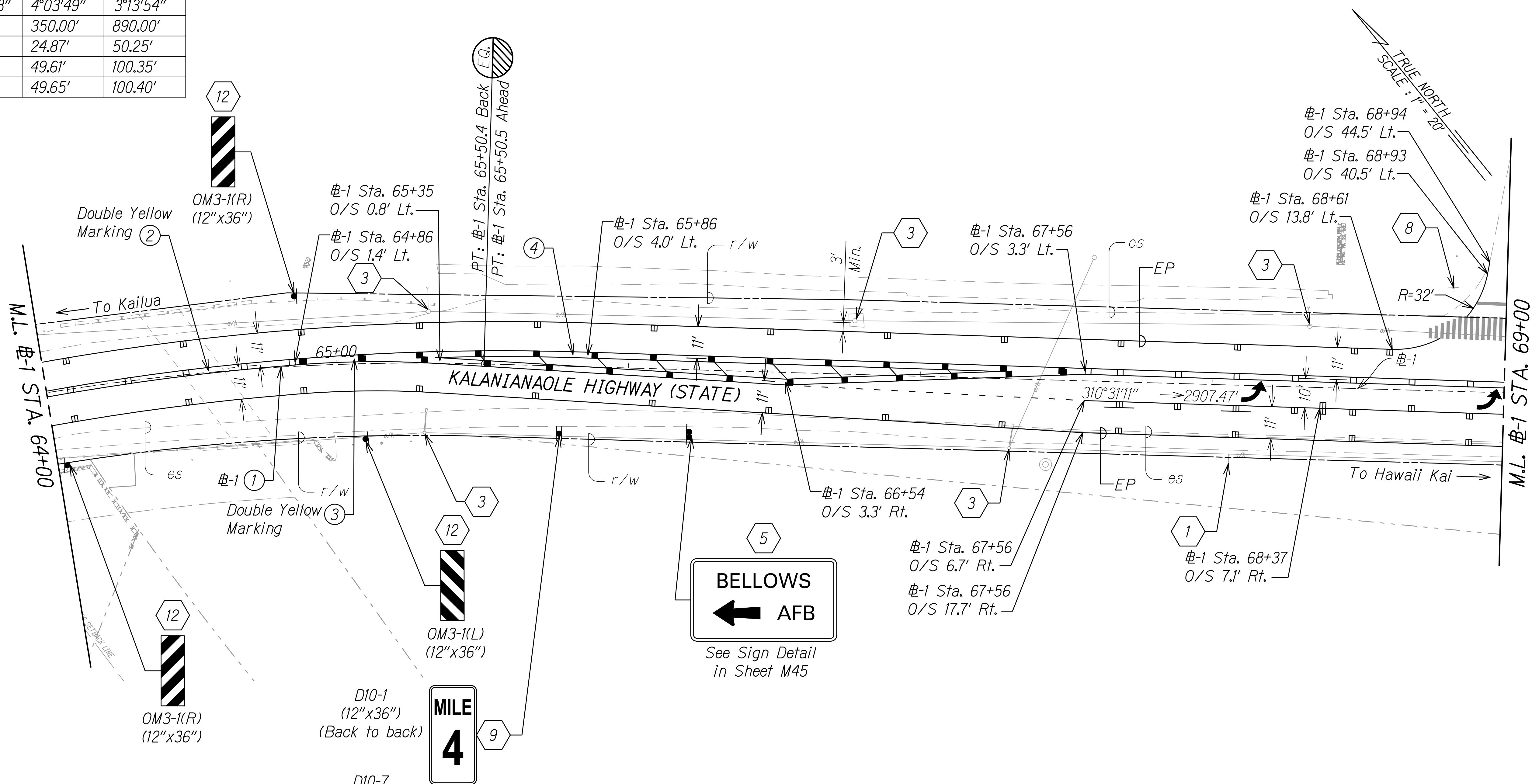
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLAN
 KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
 Poalima Street to Vicinity of Makai Pier
 Federal-Aid Project No. NH-072-1(059)
 Scale: 1" = 20' Date: January 2021
 SHEET No. M8 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002_000_DOT_KAL_HHW_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\W2-M9_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 5:19 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	158	243

CURVE DATA:

CURVE	②	③	④
Δ	25°18'46"	8°07'39"	6°27'49"
$\Delta/2$	12°39'23"	4°03'49"	3°13'54"
R	890.00'	350.00'	890.00'
Tan.	199.86'	24.87'	50.25'
C	390.00'	49.61'	100.35'
Lc	393.19'	49.65'	100.40'

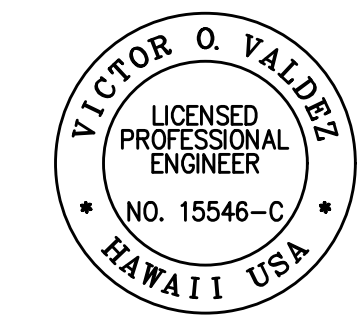
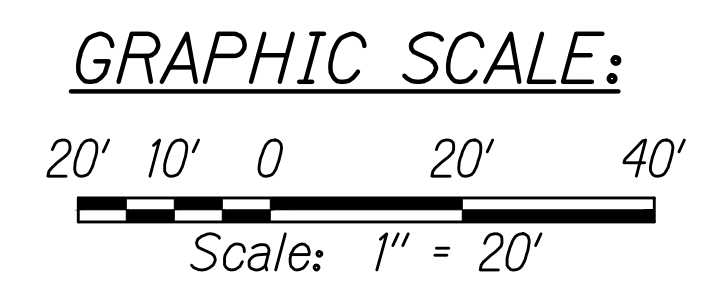


SIGNING KEY:

- ① Remove Exist. Sign(s) & Post(s).
- ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.
- ⑤ Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
- ⑧ Exist. Sign(s) & Post(s) to Remain.
- ⑨ Install New Sign(s) & Post(s)
(See Detail M46 and Standard Plans TE-03B & TE-16).
- ⑫ Install New Sign(s) & Post(s).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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

**PAVEMENT MARKING &
SIGNING PLAN**

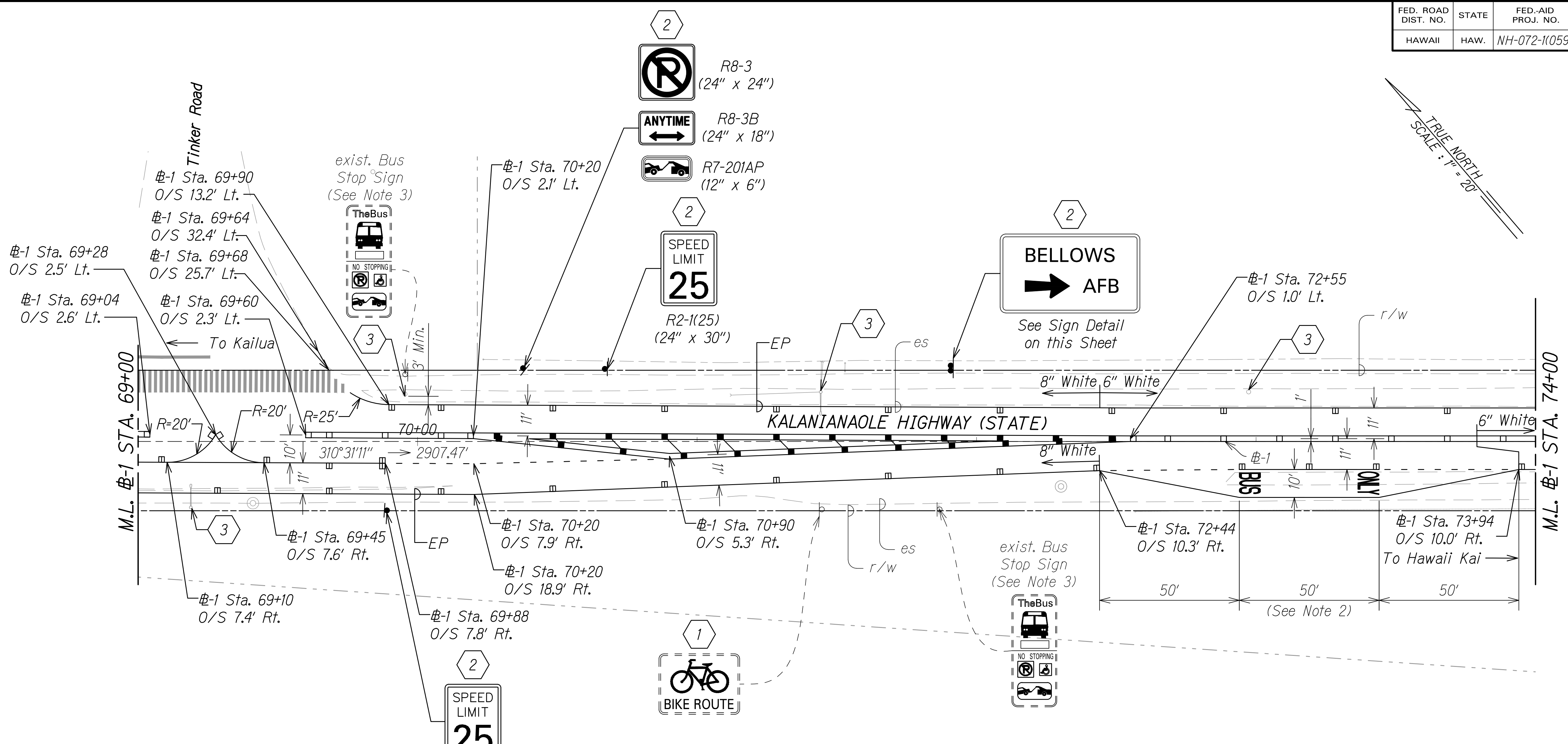
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M9** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M2-M9_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 4:36 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	159	243

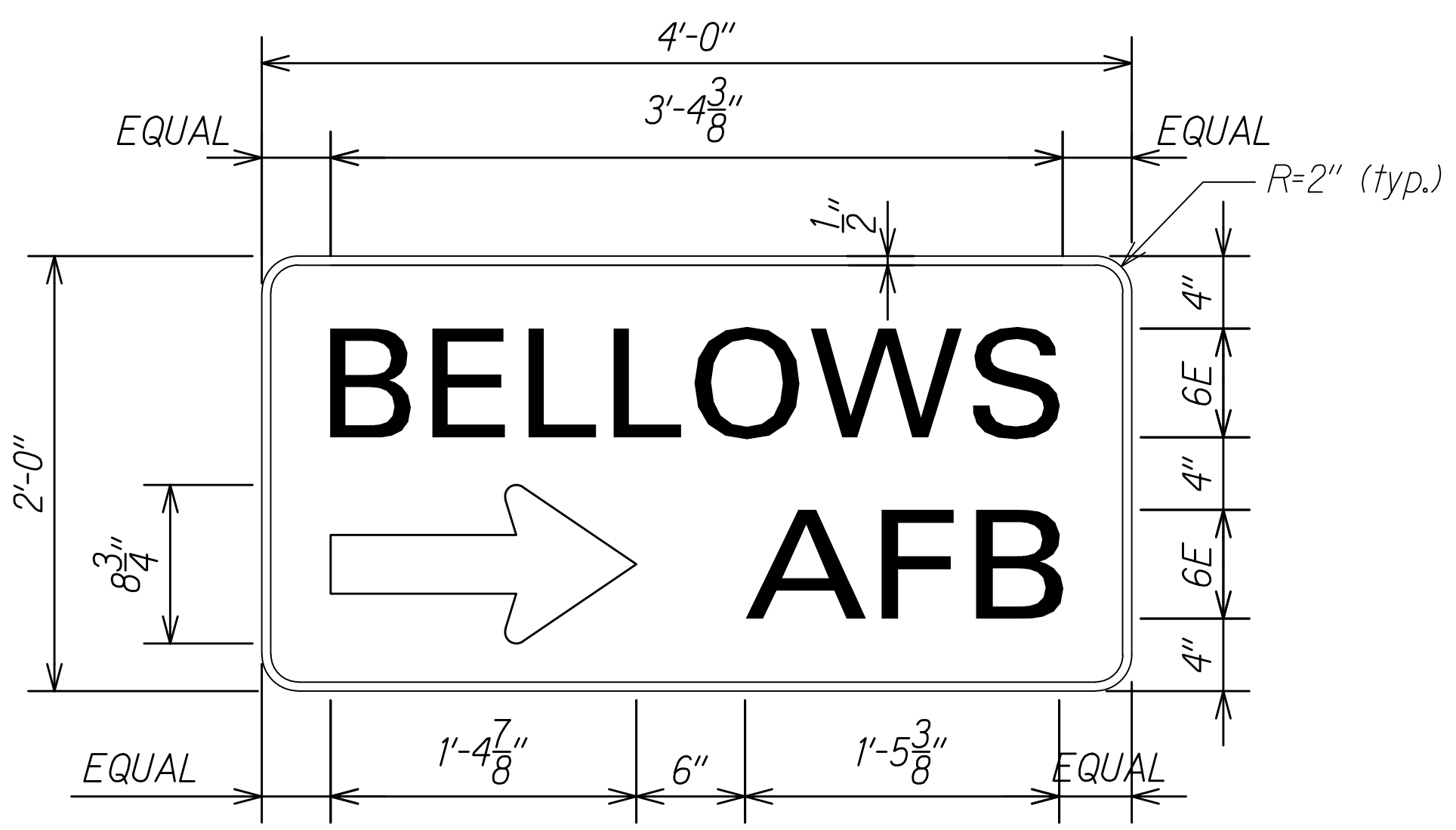


NOTES:

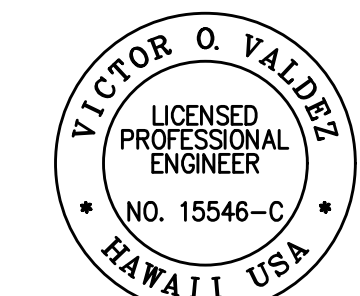
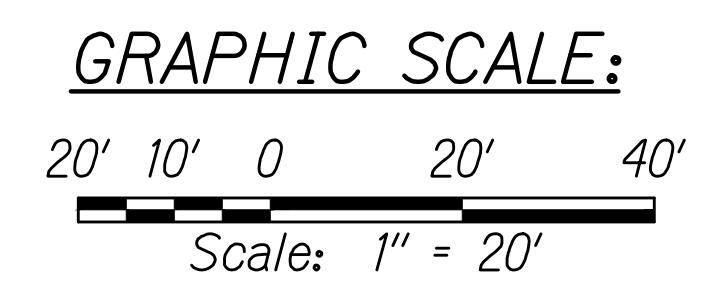
1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.

SIGNING KEY:

- ① Remove Exist. Sign(s) & Post(s).
- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.



BELLOWS AFB SIGN (RIGHT) (White on Green)
Not To Scale

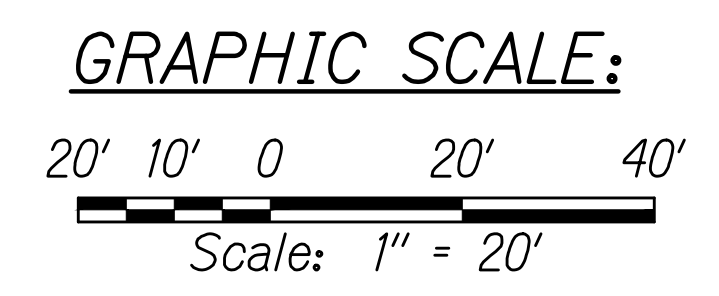
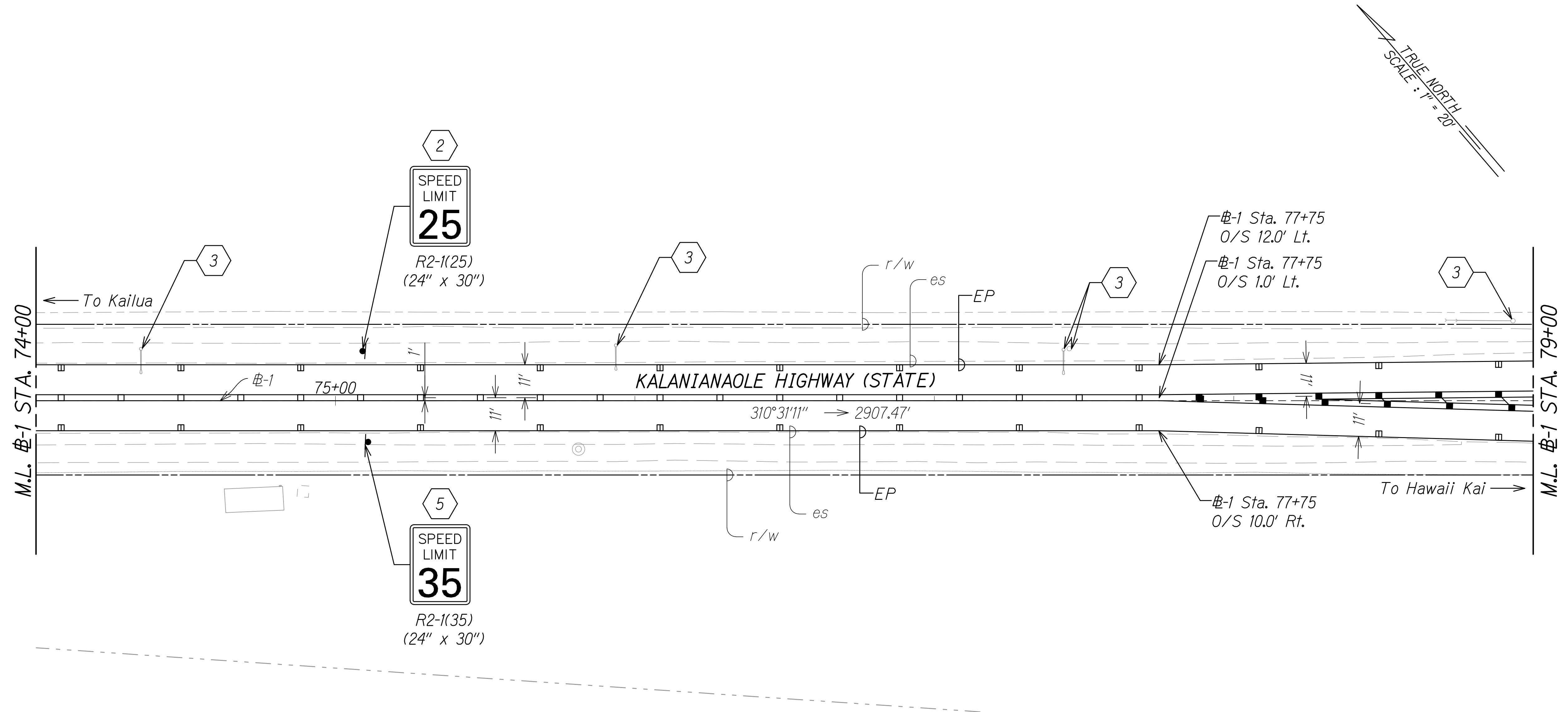


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 SIGNATURE: *[Signature]* 04/30/22
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING 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. M10 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULLA\01_CE_DRAWING-M17_PAVEMENT MARKING AND SIGNING PLANS.DWG 1/14/2021 6:58 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	160	243

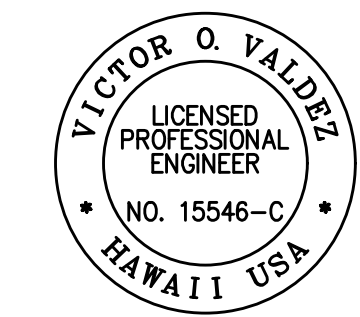


SIGNING KEY:

- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 5 Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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[Signature] 04/30/22

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

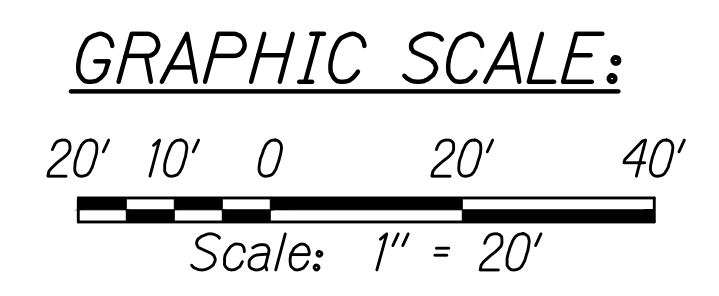
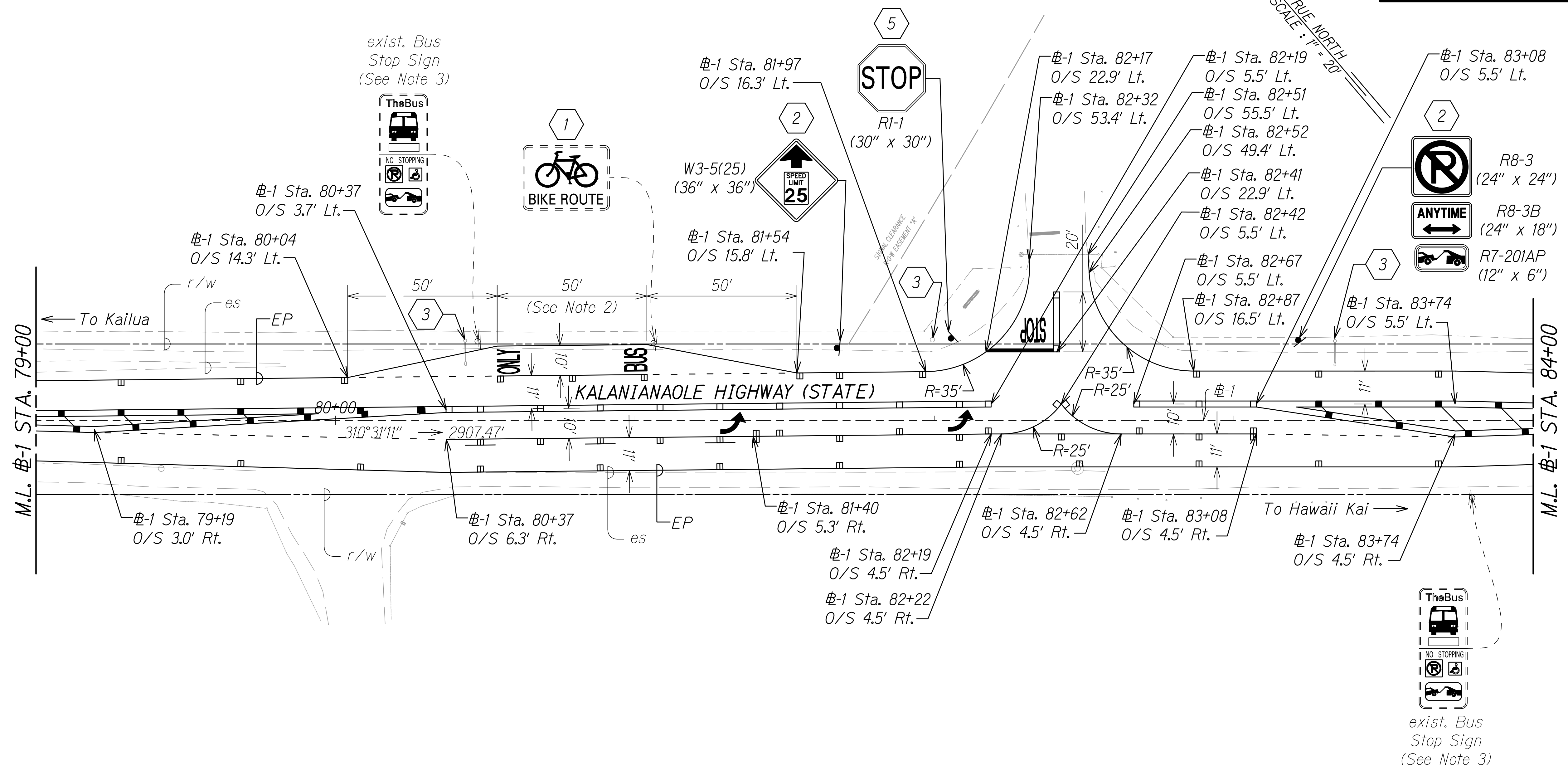
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M11** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002_000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULL\01_CE_DWG\M10-M17_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 5:35 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	161	243

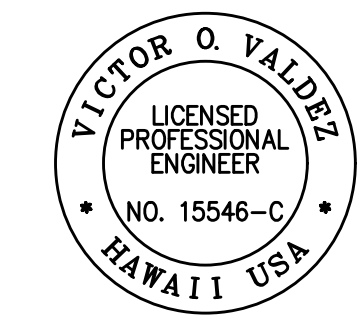


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 5 Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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[Signature] 04/30/22

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

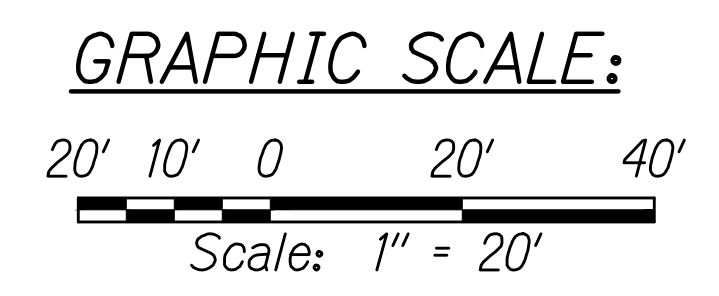
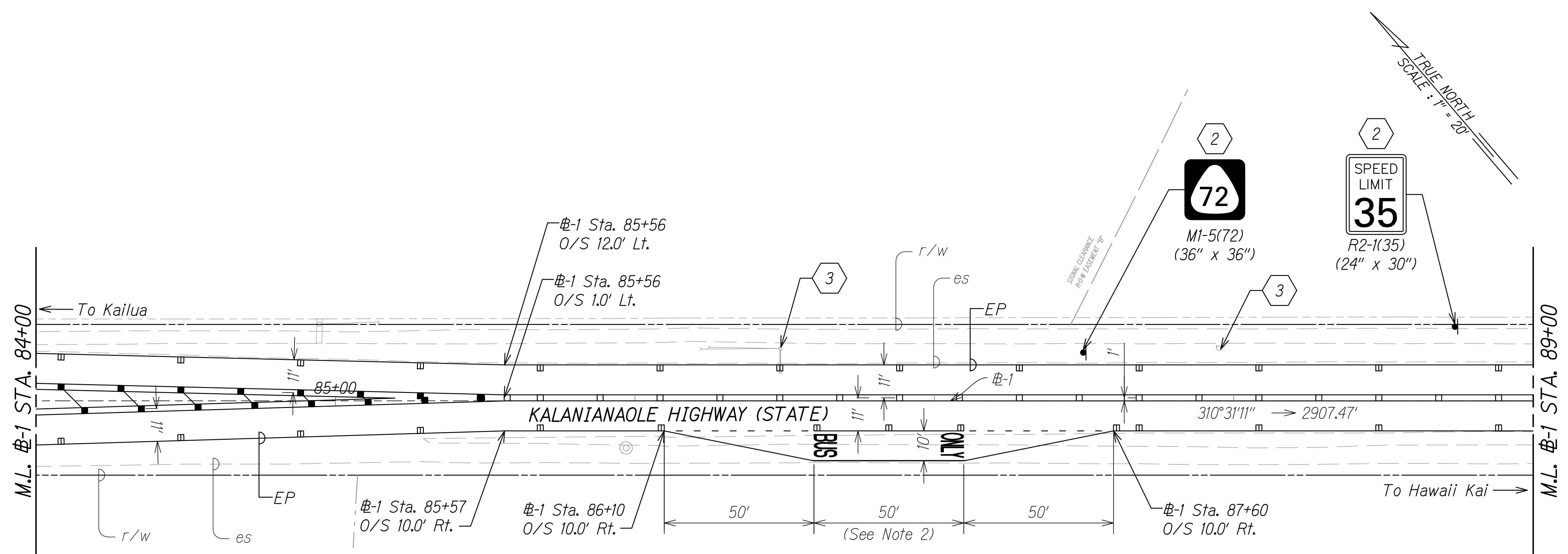
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M12** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M10-M17_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 6:53 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	162	243

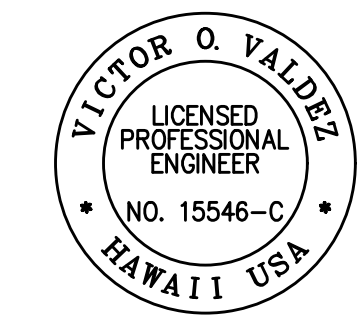


SIGNING KEY:

- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.



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Victor O. Valdez
SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PAVEMENT MARKING &
SIGNING PLAN**

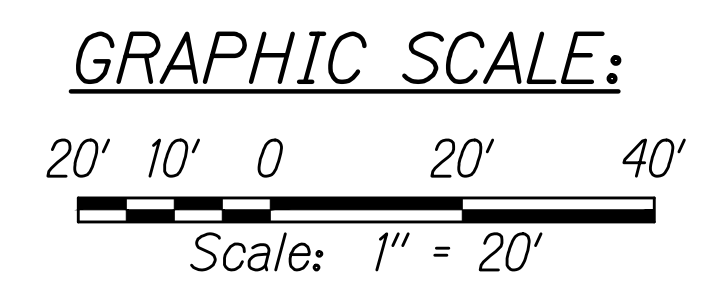
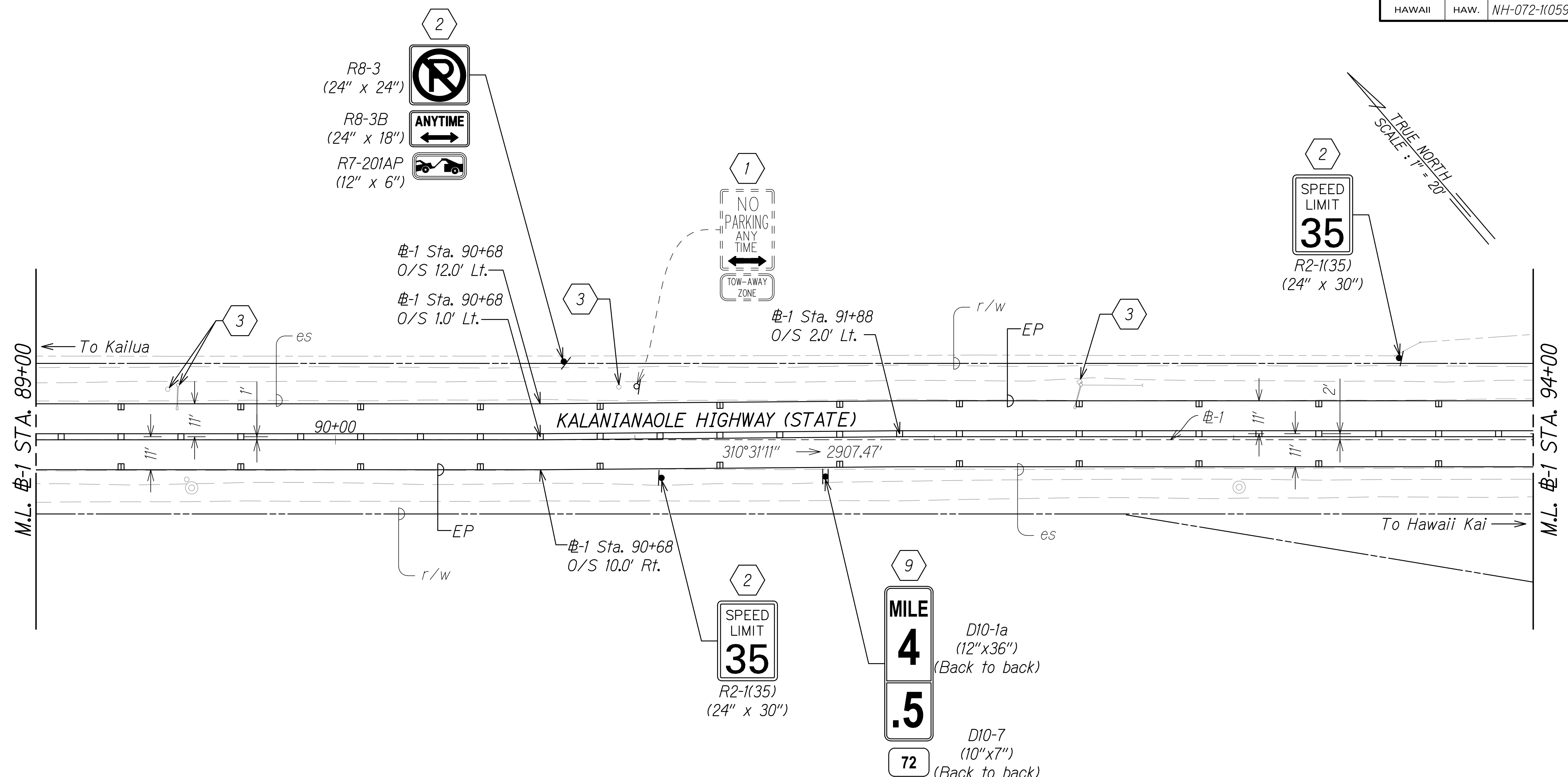
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M13** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULL\01_CE_DWG\M10-M17_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 5:35 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	163	243

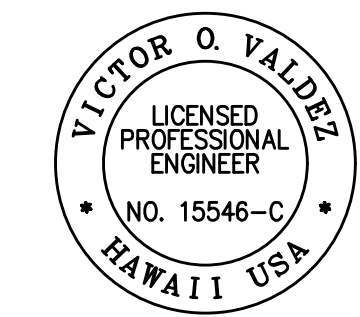


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 9 Install New Sign(s) & Post(s) (See Detail M46 and Standard Plans TE-03B & TE-16).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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SIGNATURE

04/30/22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING 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

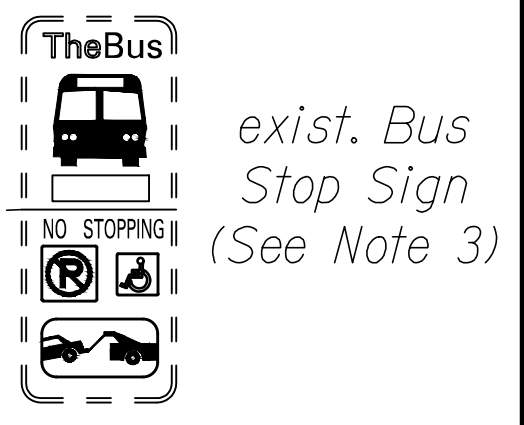
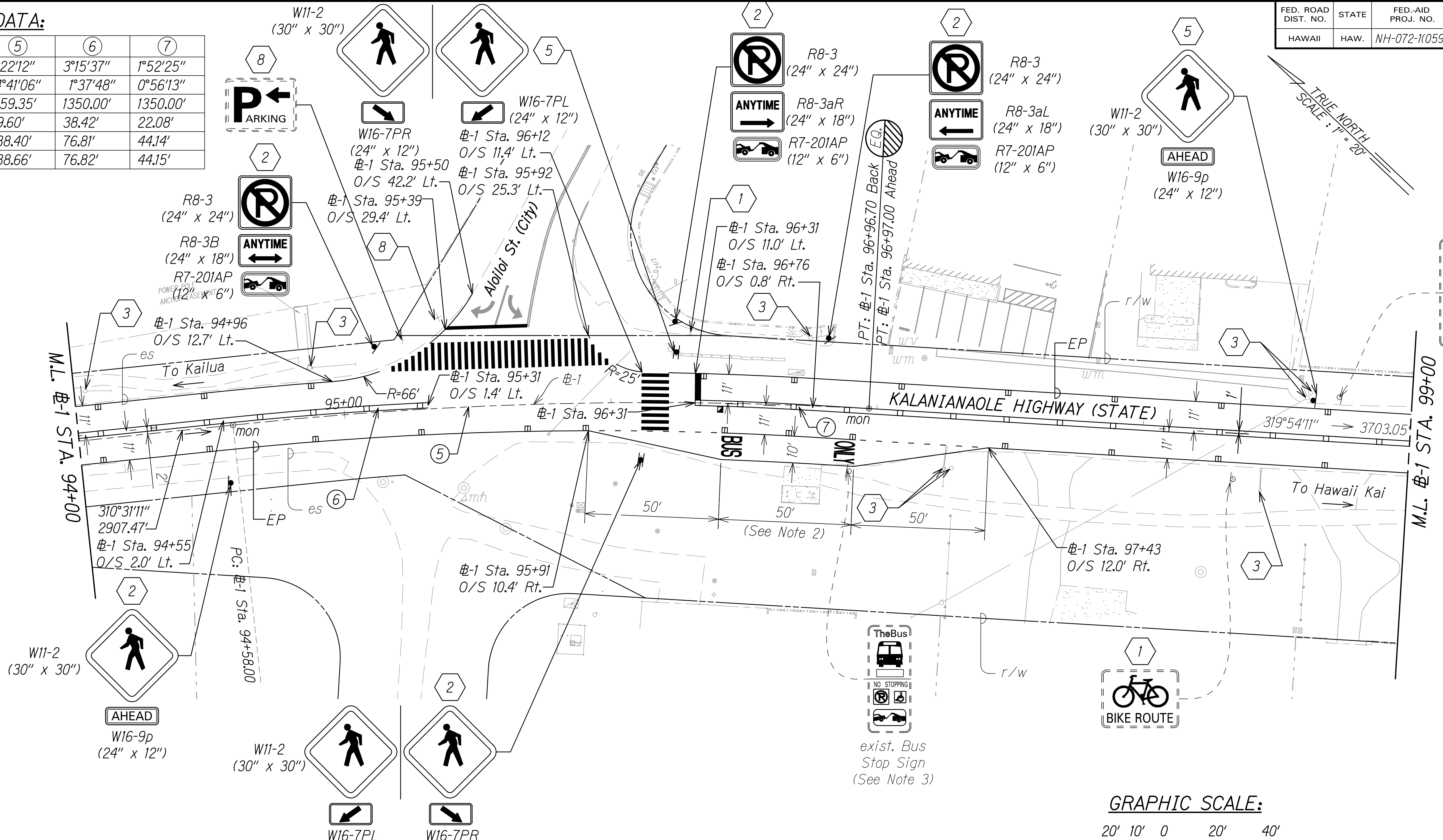
SHEET No. **M14** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M10-M17_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 5:35 PM

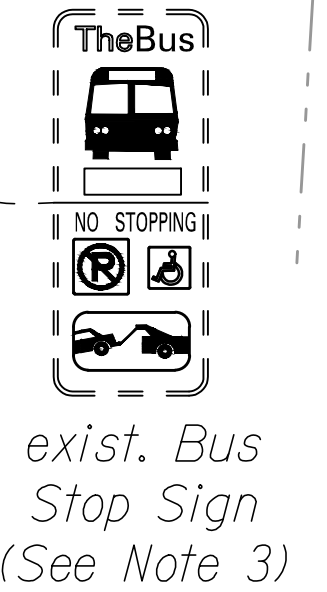
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	164	243

CURVE DATA:

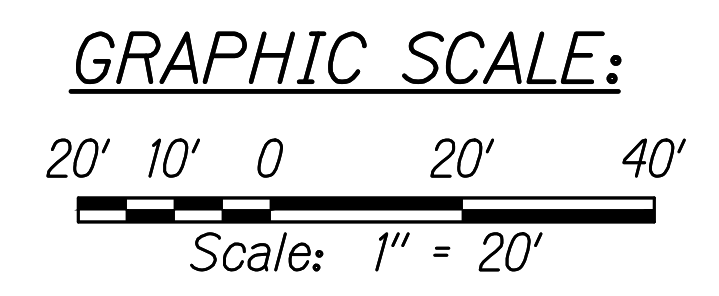
CURVE	⑤	⑥	⑦
Δ	9°22'12"	3°15'37"	1°52'25"
Δ/2	4°41'06"	1°37'48"	0°56'13"
R	1459.35'	1350.00'	1350.00'
Tan.	119.60'	38.42'	22.08'
C	238.40'	76.81'	44.14'
Lc	238.66'	76.82'	44.15'



exist. Bus Stop Sign (See Note 3)



exist. Bus Stop Sign (See Note 3)

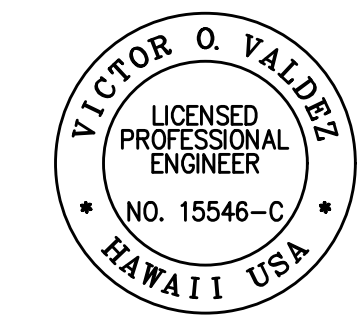


SIGNING KEY:

- ① Remove Exist. Sign(s) & Post(s).
- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.
- ⑤ Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
- ⑧ Exist. Sign(s) & Post(s) to Remain.

NOTES:

- 1. For Pavement Marking Legend and Notes, See Sheet M1.
- 2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
- 3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



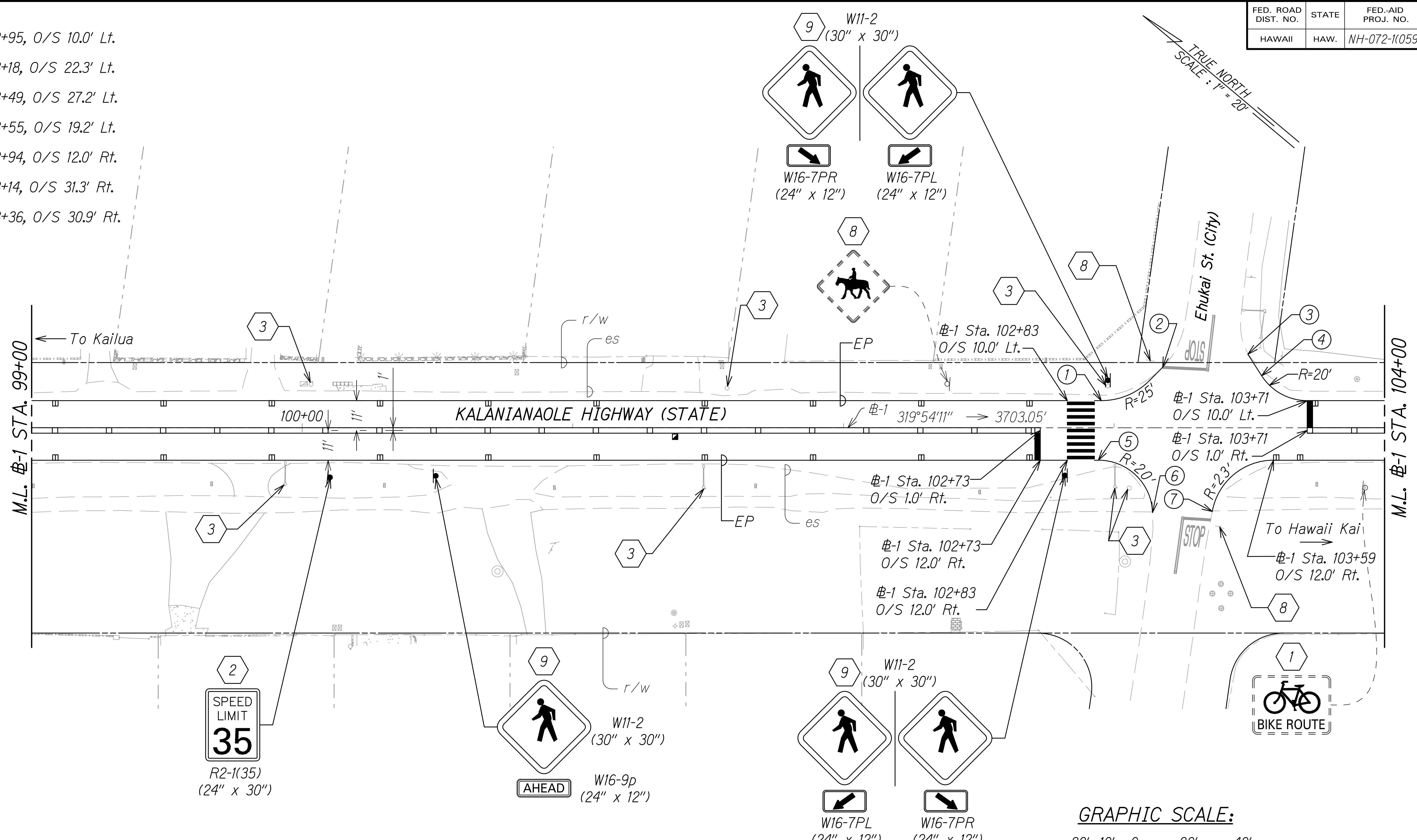
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 SIGNATURE: *[Signature]* 04/30/22
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING 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. M15 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002_000_DOT_KAL_Hwy_Resurfacing_Poalima_To_Huli\01_CE_DWG\W10-M7_PAVEMENT MARKING AND SIGNING PLANS.DWG 1/15/2021 7:04 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	165	243

- ① #1 Sta. 102+95, O/S 10.0' Lt.
- ② #1 Sta. 103+18, O/S 22.3' Lt.
- ③ #1 Sta. 103+49, O/S 27.2' Lt.
- ④ #1 Sta. 103+55, O/S 19.2' Lt.
- ⑤ #1 Sta. 102+94, O/S 12.0' Rt.
- ⑥ #1 Sta. 103+14, O/S 31.3' Rt.
- ⑦ #1 Sta. 103+36, O/S 30.9' Rt.

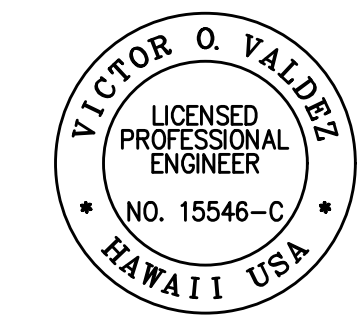
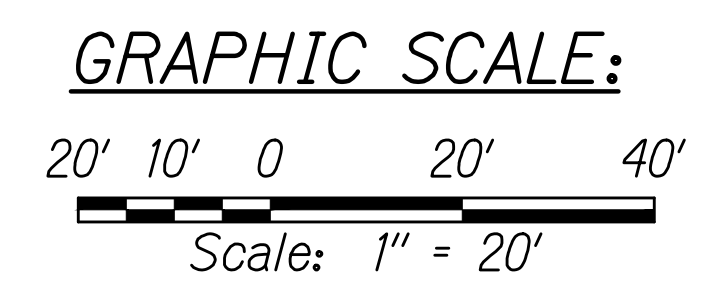


SIGNING KEY:

- ① Remove Exist. Sign(s) & Post(s).
- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.
- ⑧ Exist. Sign(s) & Post(s) to Remain.
- ⑨ Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow). (See Detail M46 and Standard Plans TE-03B & TE-16).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



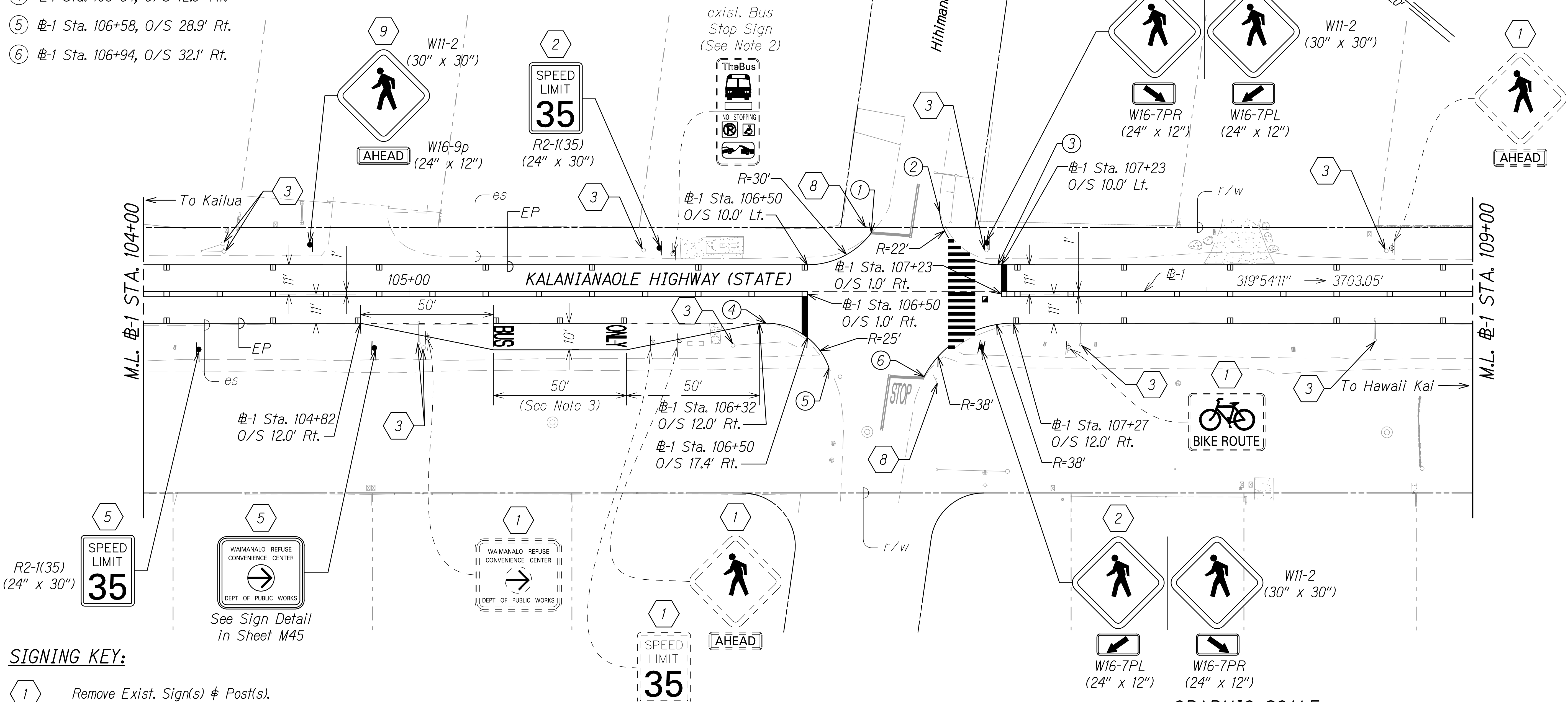
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 SIGNATURE: *[Signature]* 04/30/22
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING 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. M16 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M10-M17_PAVEMENT MARKING AND SIGNING PLANS.DWG 1/15/2021 8:03 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	166	243

- ① $\#$ -1 Sta. 106+74, O/S 22.0' Lt.
- ② $\#$ -1 Sta. 106+99, O/S 29.8' Lt.
- ③ $\#$ -1 Sta. 107+21, O/S 10.0' Lt.
- ④ $\#$ -1 Sta. 106+34, O/S 12.0' Rt.
- ⑤ $\#$ -1 Sta. 106+58, O/S 28.9' Rt.
- ⑥ $\#$ -1 Sta. 106+94, O/S 32.1' Rt.

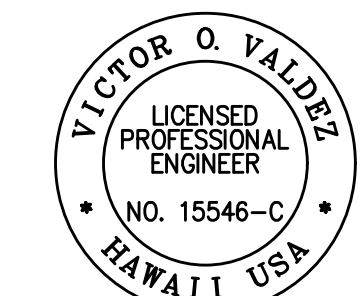
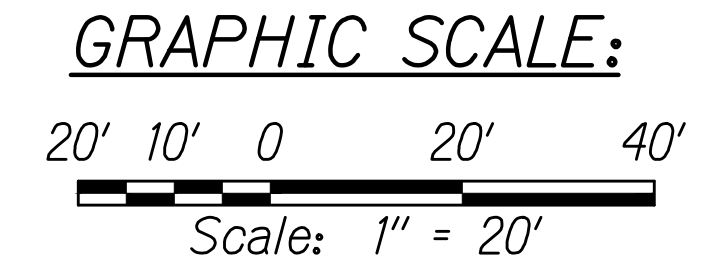


SIGNING KEY:

- ① Remove Exist. Sign(s) ϕ Post(s).
- ② Remove Exist. Sign(s) w/ Post(s) ϕ Install New Sign(s) w/Post(s) ϕ Type II Object Marker (OM2-2, Yellow).
- ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.
- ⑤ Install New Sign(s) ϕ Post(s) ϕ Type II Object Marker (OM2-2, Yellow).
- ⑦ Relocate Exist. Sign On New Post(s) (See Detail M46 and Standard Plan TE-03B).
- ⑧ Exist. Sign(s) ϕ Post(s) to Remain.
- ⑨ Install New Sign(s) ϕ Post(s) ϕ Type II Object Marker (OM2-2, Yellow). (See Detail M46 and Standard Plans TE-03B ϕ TE-16).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.
3. For Bus Bay Marking, See HDOT Standard Plan TE-28A.



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[Signature] 04/30/22

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING ϕ SIGNING PLAN

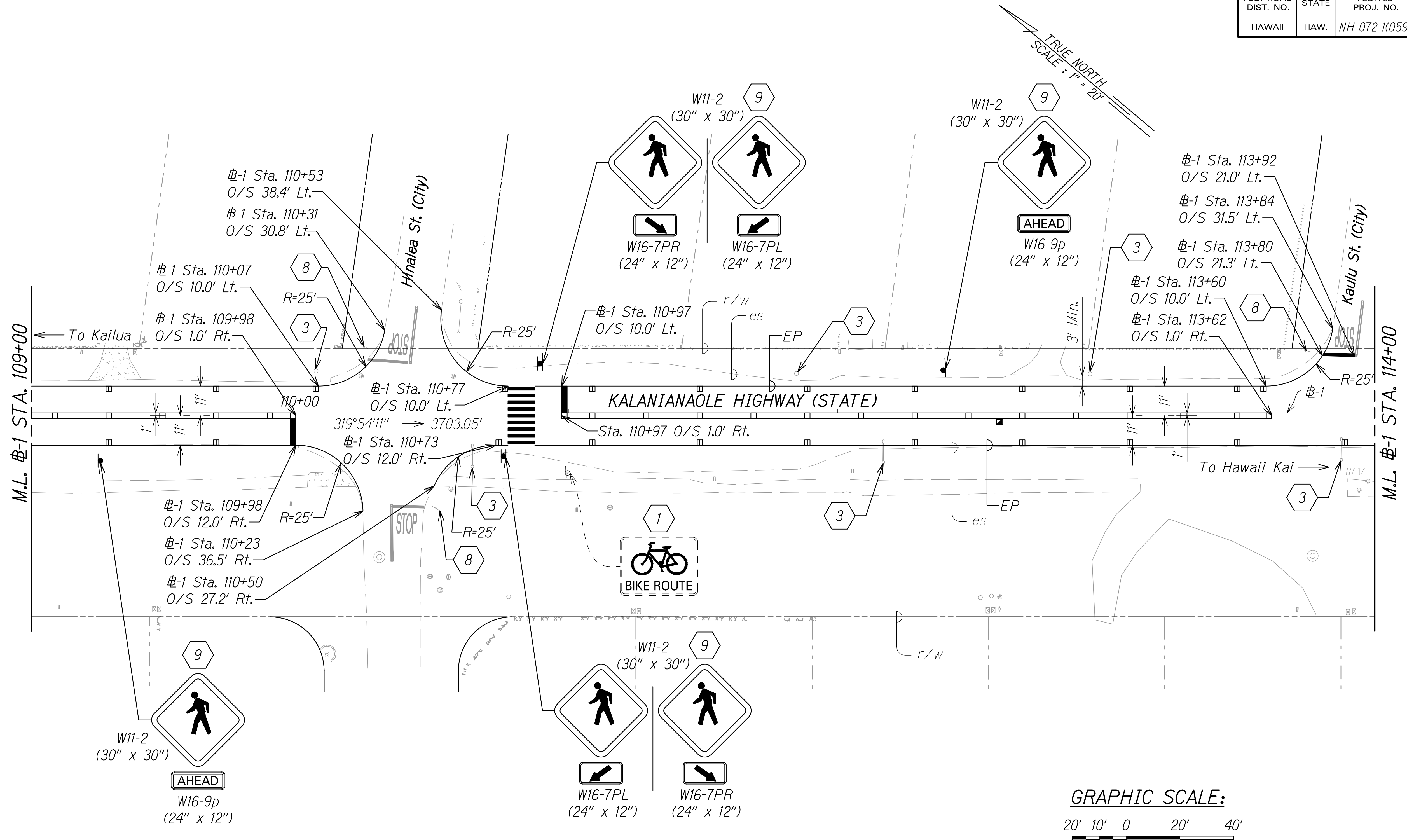
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M17** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M10-M17_PAVEMENT MARKING AND SIGNING PLANS.DWG 1/15/2021 8:14 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	167	243

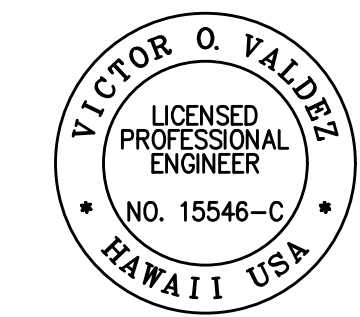
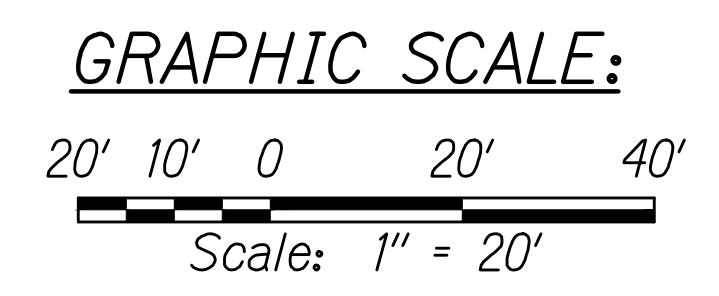


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 8 Exist. Sign(s) & Post(s) to Remain.
- 9 Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
(See Detail M46 and Standard Plans TE-03B & TE-16).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

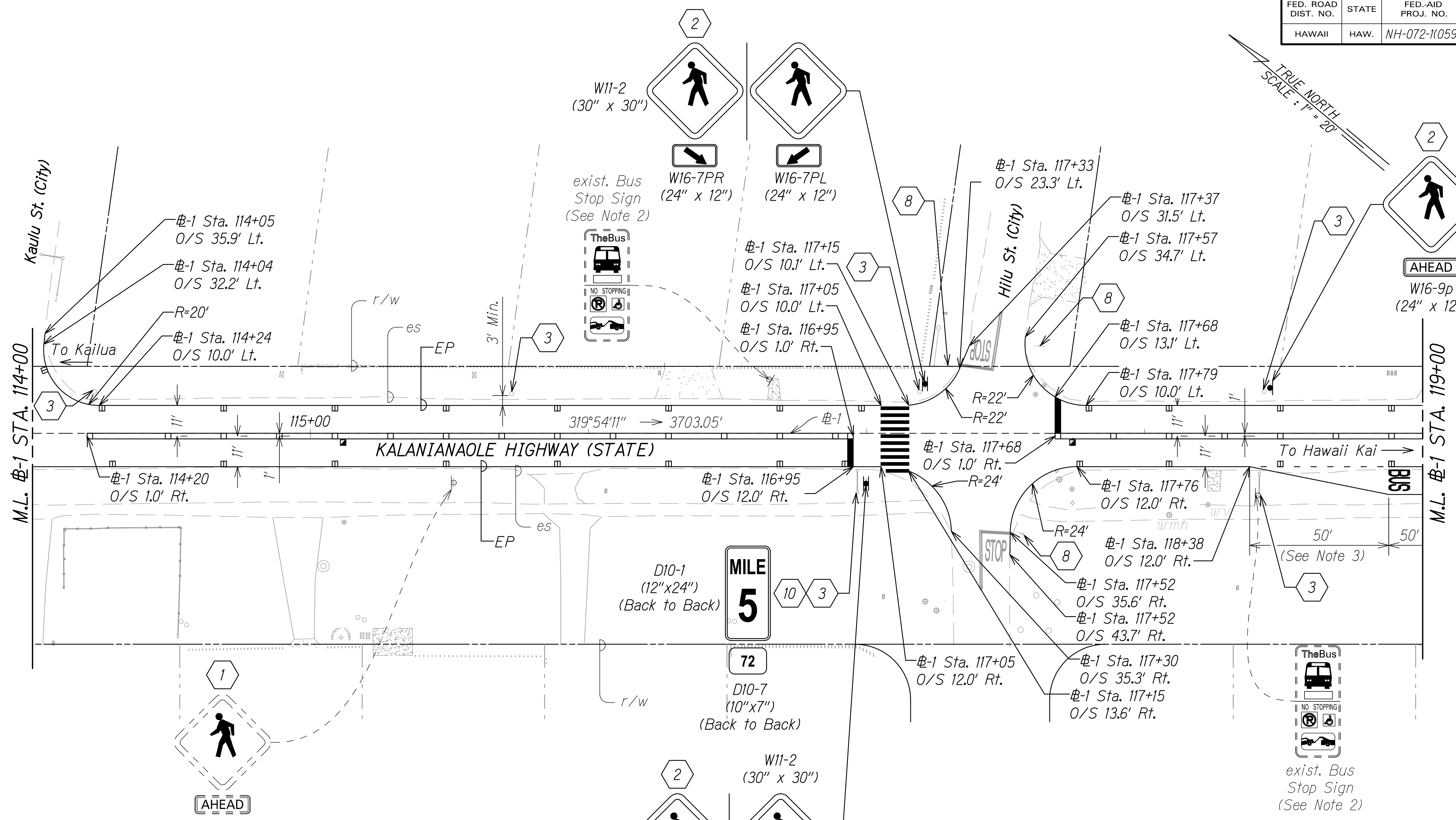
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M18** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HIILUA\01_CE_DWG\M18-M26_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 7:35 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	168	243

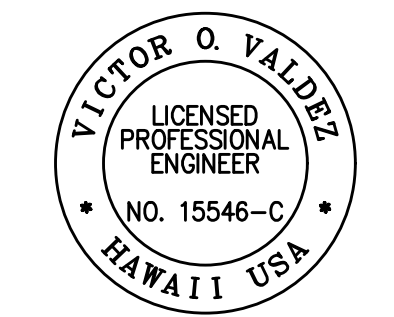
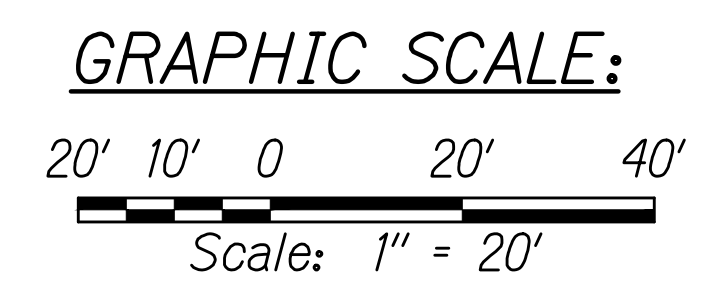


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 8 Exist. Sign(s) & Post(s) to Remain.
- 10 Install New Sign(s) on Exist. Pole (See Detail M46 and Standard Plans TE-03B & TE-16).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.
3. For Bus Bay Marking, See HDOT Standard Plan TE-28A.



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[Signature] 04/30/22

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

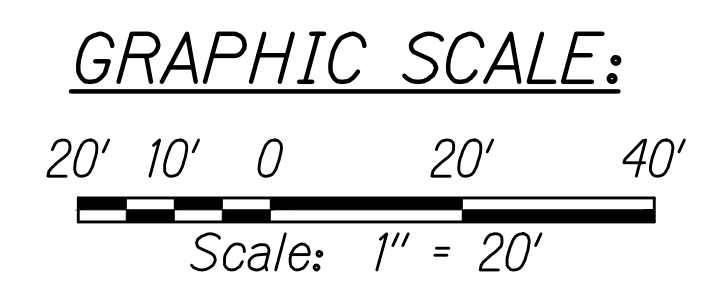
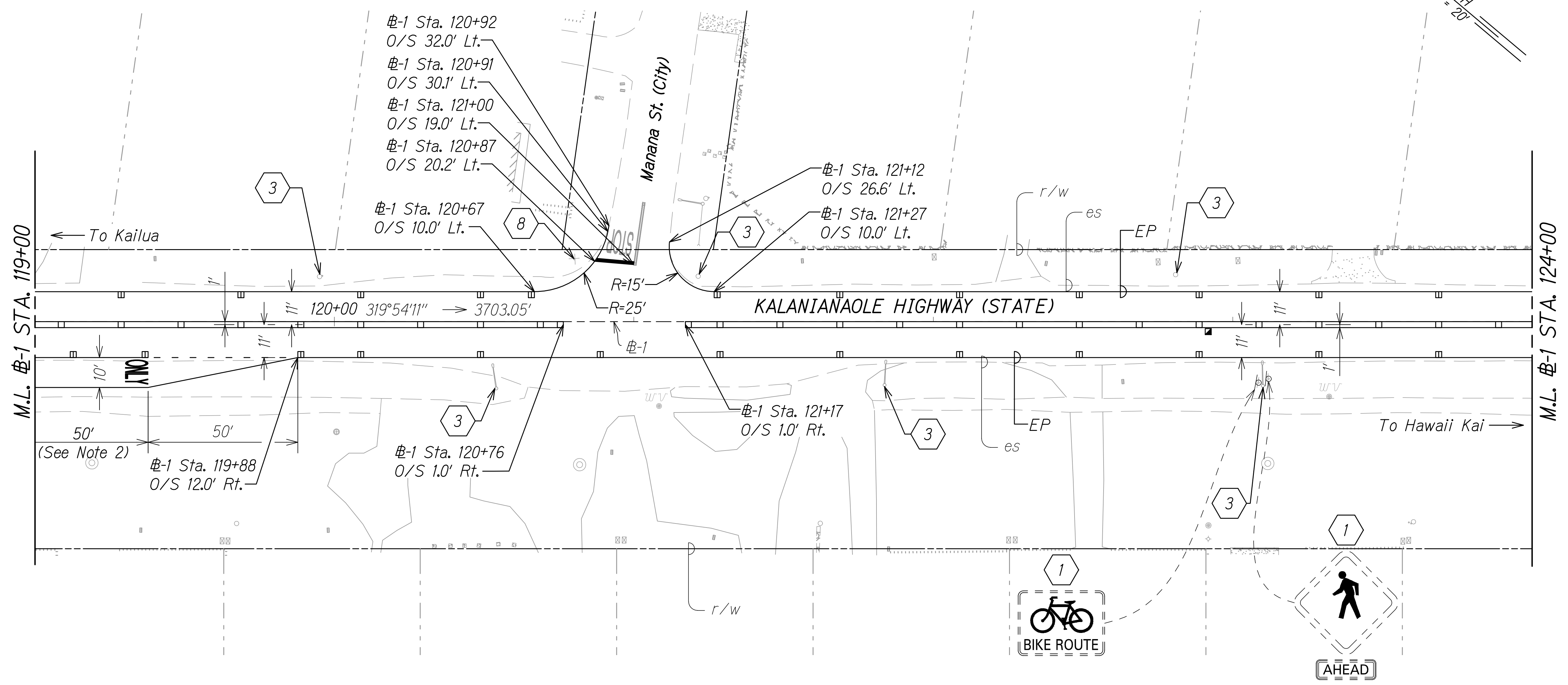
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M19** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HILU\01_CE_DRAWING\M8-M26_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 7:35 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	169	243

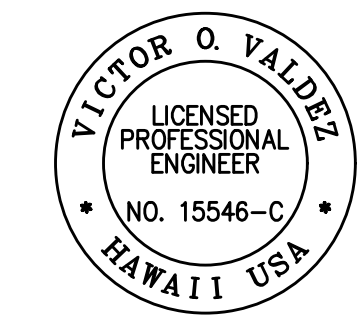


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 8 Exist. Sign(s) & Post(s) to Remain.

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.



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OR UNDER MY SUPERVISION

Victor O. Valdez
SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

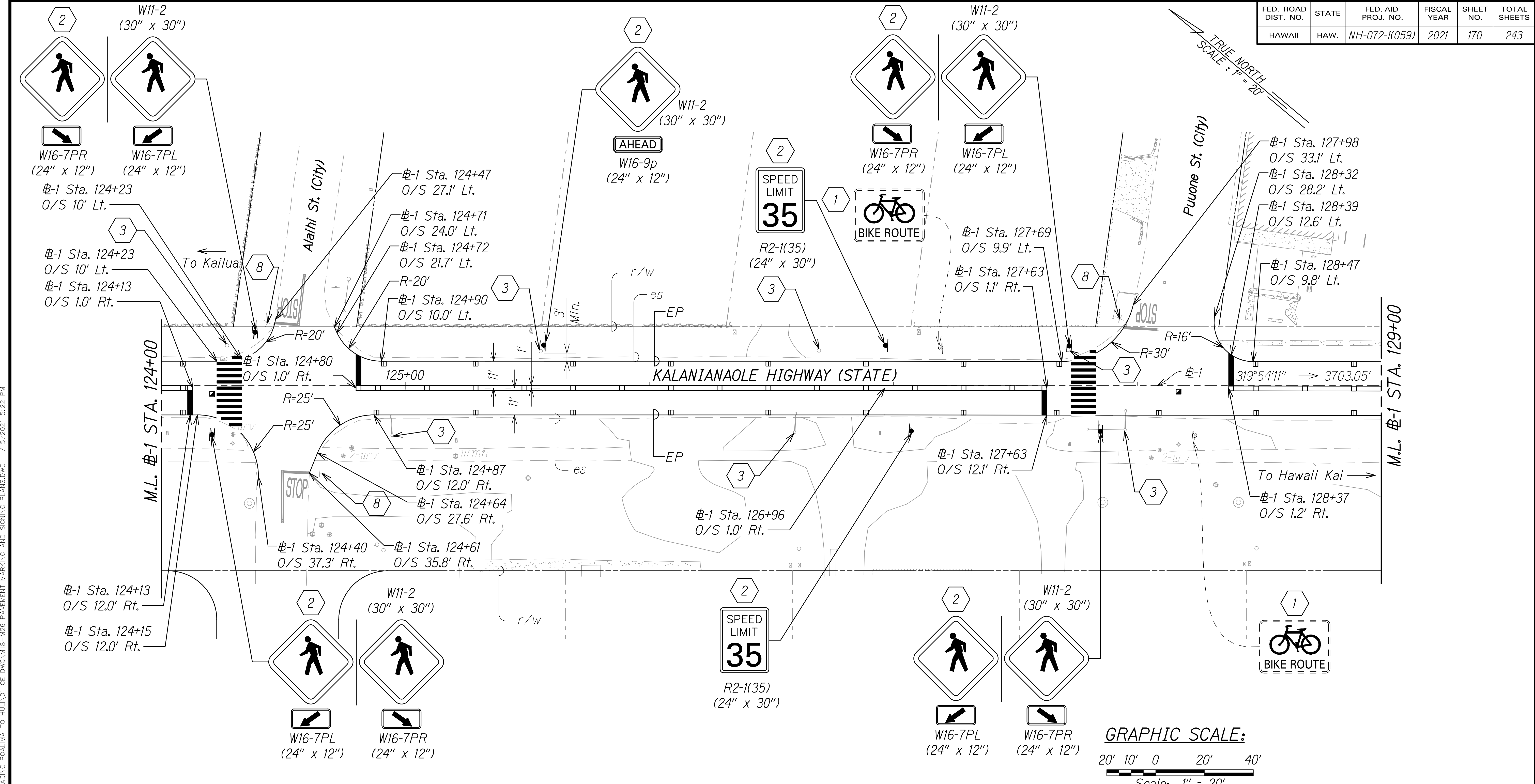
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M20** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M18-M26_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 7:44 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	170	243

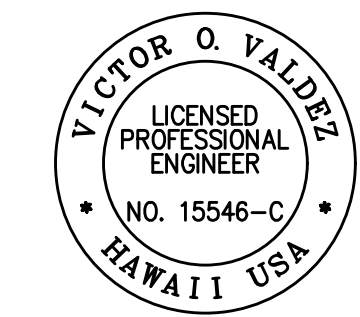


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 8 Exist. Sign(s) & Post(s) to Remain.

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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

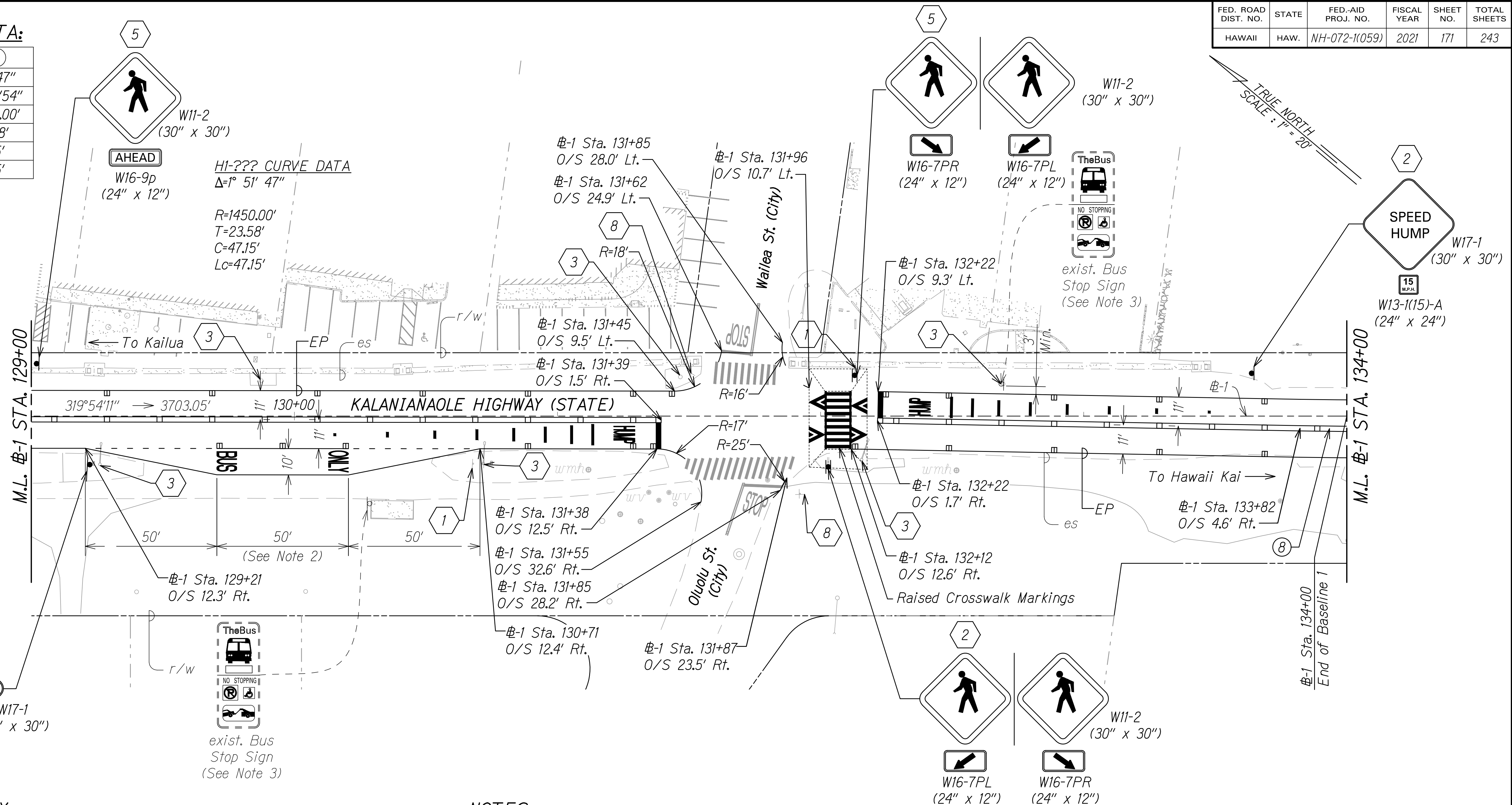
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLAN
 KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
 Poalima Street to Vicinity of Makai Pier
 Federal-Aid Project No. NH-072-1(059)
 Scale: 1" = 20' Date: January 2021
 SHEET No. M21 OF 46 SHEETS

C:\CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_Resurfacing_Poalima_To_Huliia01_CE_DWG\M18-M26_PAVEMENT MARKING AND SIGNING PLANS.DWG 1/15/2021 5:22 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	171	243

CURVE DATA:

CURVE	(8)
Δ	1°51'47"
$\Delta/2$	0°55'54"
R	1450.00'
Tan.	23.58'
C	47.15'
Lc	47.15'

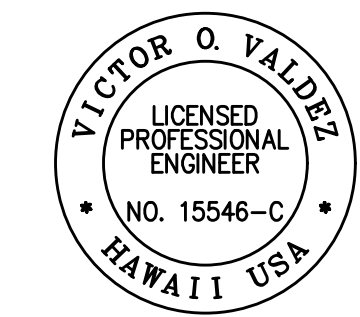
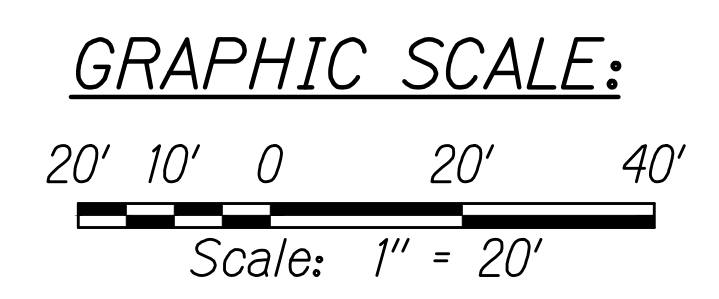


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 5 Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
- 7 Relocate Exist. Sign On New Post(s) (See Detail M46 and Standard Plan TE-03B).
- 8 Exist. Sign(s) & Post(s) to Remain.

NOTES:

- 1. For Pavement Marking Legend and Notes, See Sheet M1.
- 2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
- 3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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[Signature] 04/30/22

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

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

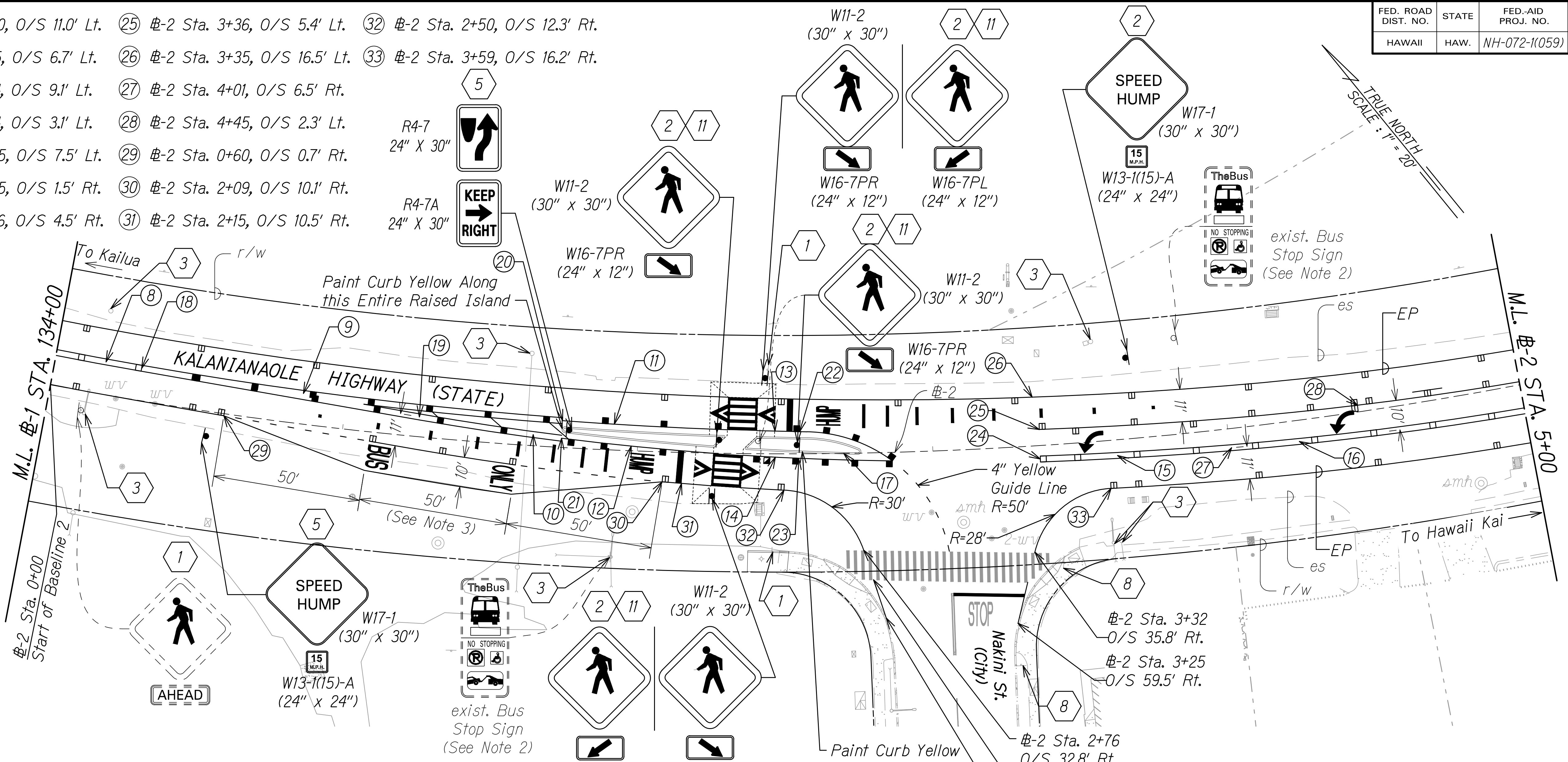
Scale: 1" = 20' Date: January 2021

SHEET No. M22 OF 46 SHEETS

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	172	243

- 18 #2 Sta. 0+30, O/S 11.0' Lt.
- 19 #2 Sta. 1+25, O/S 6.7' Lt.
- 20 #2 Sta. 1+74, O/S 9.1' Lt.
- 21 #2 Sta. 1+74, O/S 3.1' Lt.
- 22 #2 Sta. 2+55, O/S 7.5' Lt.
- 23 #2 Sta. 2+55, O/S 1.5' Rt.
- 24 #2 Sta. 3+36, O/S 4.5' Rt.
- 25 #2 Sta. 3+36, O/S 5.4' Lt.
- 26 #2 Sta. 3+35, O/S 16.5' Lt.
- 27 #2 Sta. 4+01, O/S 6.5' Rt.
- 28 #2 Sta. 4+45, O/S 2.3' Lt.
- 29 #2 Sta. 0+60, O/S 0.7' Rt.
- 30 #2 Sta. 2+09, O/S 10.1' Rt.
- 31 #2 Sta. 2+15, O/S 10.5' Rt.
- 32 #2 Sta. 2+50, O/S 12.3' Rt.
- 33 #2 Sta. 3+59, O/S 16.2' Rt.



CURVE DATA:

CURVE	8	9	10	11	12	13	14	15	16	17
Δ	1°51'47"	5°40'17"	11°58'07"	2°07'19"	3°06'18"	0°36'24"	0°52'02"	2°37'26"	8°48'29"	24°13'00"
Δ/2	0°55'54"	2°50'9"	5°59'04"	1°03'39"	1°33'09"	0°18'12"	0°26'01"	1°18'43"	4°24'14"	12°06'30"
R	1450.00'	1450.00'	1000.00'	1450.89'	1000.00'	1463.15'	1007.31'	1460.00'	1150.00'	1334.10'
Tan.	23.58'	71.82'	104.83'	26.87'	27.10'	7.75'	7.62'	33.44'	88.57'	286.21'
C	47.15'	143.47'	208.51'	53.73'	54.19'	15.49'	15.25'	66.85'	176.61'	559.68'
Lc	47.15'	143.53'	208.89'	53.73'	54.19'	15.49'	15.25'	66.86'	176.79'	563.87'

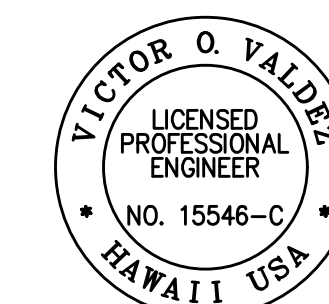
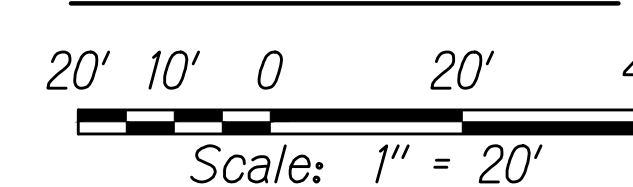
SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 5 Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
- 8 Exist. Sign(s) & Post(s) to Remain.
- 11 Relocate Exist. RRFB(s) to New Sign Post(s).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.
3. For Bus Bay Marking, See HDOT Standard Plan TE-28A.

GRAPHIC SCALE:



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING 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

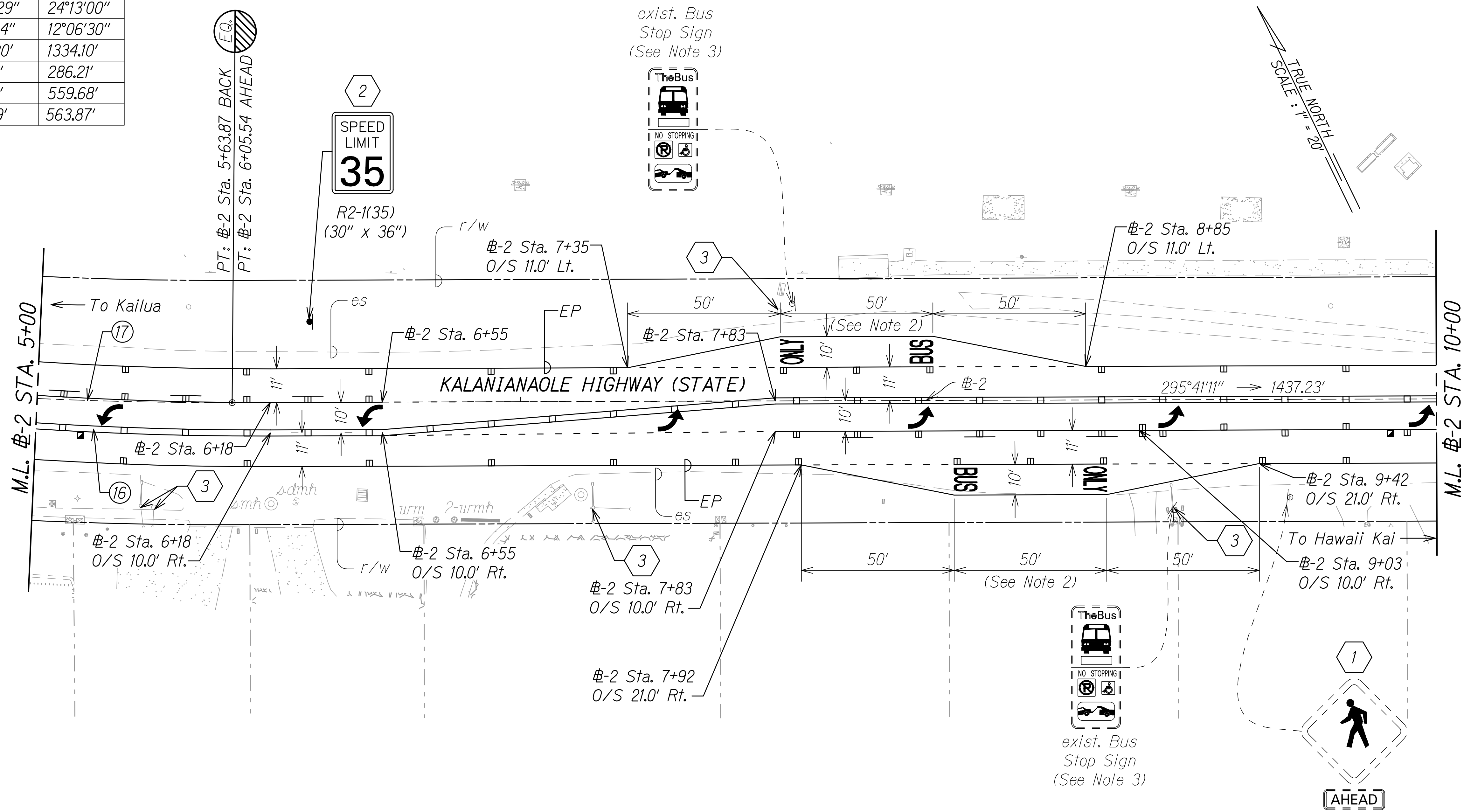
SHEET No. M23 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_Resurfacing_Poalima_To_Hulu\01_CE_DWG\M18-M26_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 5:47 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	173	243

CURVE DATA:

CURVE	(16)	(17)
Δ	8°48'29"	24°13'00"
Δ/2	4°24'14"	12°06'30"
R	1150.00'	1334.10'
Tan.	88.57'	286.21'
C	176.61'	559.68'
Lc	176.79'	563.87'

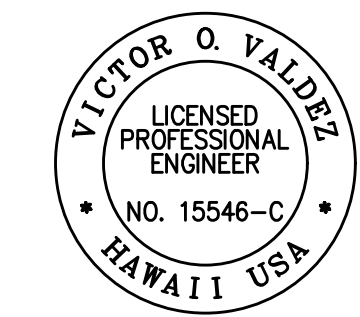
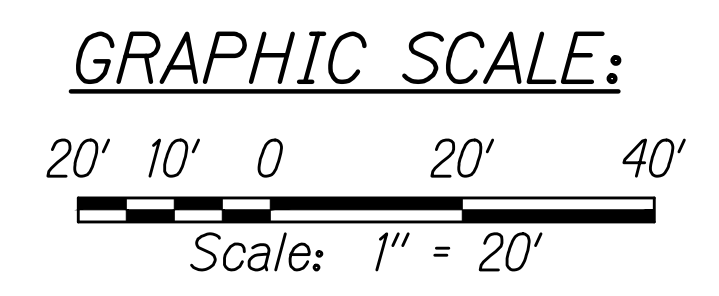


SIGNING KEY:

- 1 Remove Exist. Sign(s) & Post(s).
- 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.

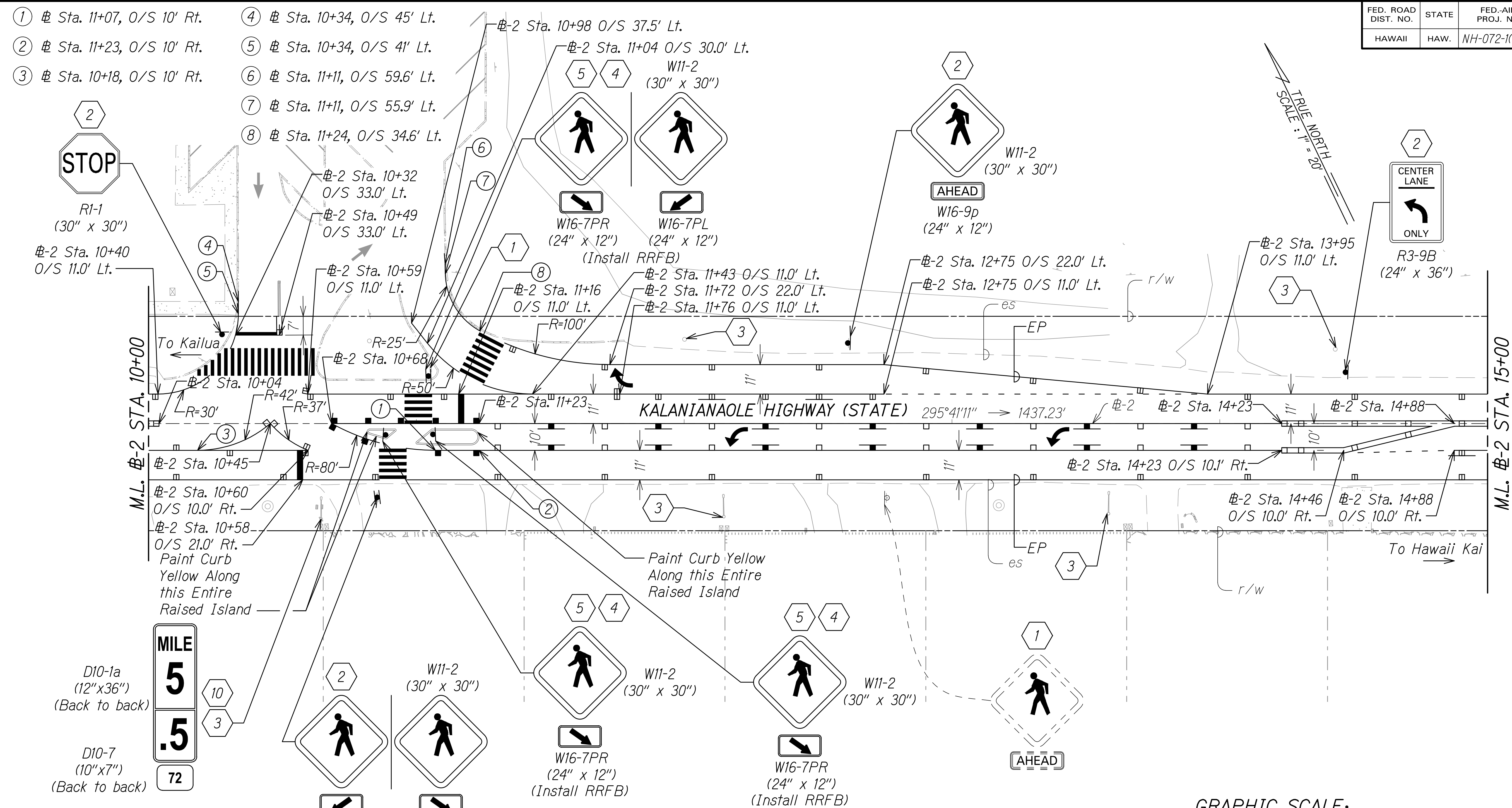


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 SIGNATURE: *[Signature]* EXPIRATION DATE OF THE LICENSE: 04/30/22

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLAN
 KALANIANAOLE 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. M24 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000.DOT.KAL.HWY.RESURFACING.POALIMA.TO.HULLA.D1.CE.DWG\M18-M26.PAVEMENT.MARKING.AND.SIGNING.PLAN.S.DWG. 11/3/2020 5:51 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	174	243



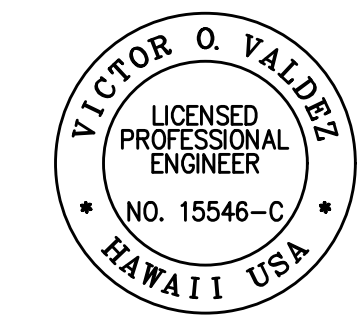
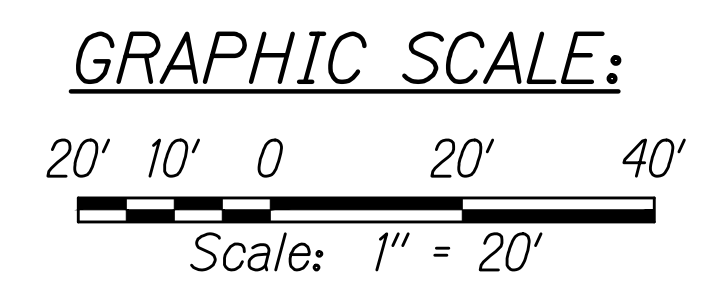
- ① # Sta. 11+07, O/S 10' Rt.
- ② # Sta. 11+23, O/S 10' Rt.
- ③ # Sta. 10+18, O/S 10' Rt.
- ④ # Sta. 10+34, O/S 45' Lt.
- ⑤ # Sta. 10+34, O/S 41' Lt.
- ⑥ # Sta. 11+11, O/S 59.6' Lt.
- ⑦ # Sta. 11+11, O/S 55.9' Lt.
- ⑧ # Sta. 11+24, O/S 34.6' Lt.

D10-1a
(12"x36")
Back to back

D10-7
(10"x7")
Back to back

- SIGNING KEY:**
- ① Remove Exist. Sign(s) & Post(s).
 - ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
 - ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.
 - ④ Install Type II reflector Marker (RM-2, Yellow) on New Post(s).
 - ⑤ Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
 - ⑩ Install New Sign(s) on Exist. Pole (See Detail M46 and Standard Plans TE-03B & TE-16).

NOTE:
For Pavement Marking Legend and Notes, See Sheet M1.



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Victor O. Valdez
SIGNATURE

04/30/22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

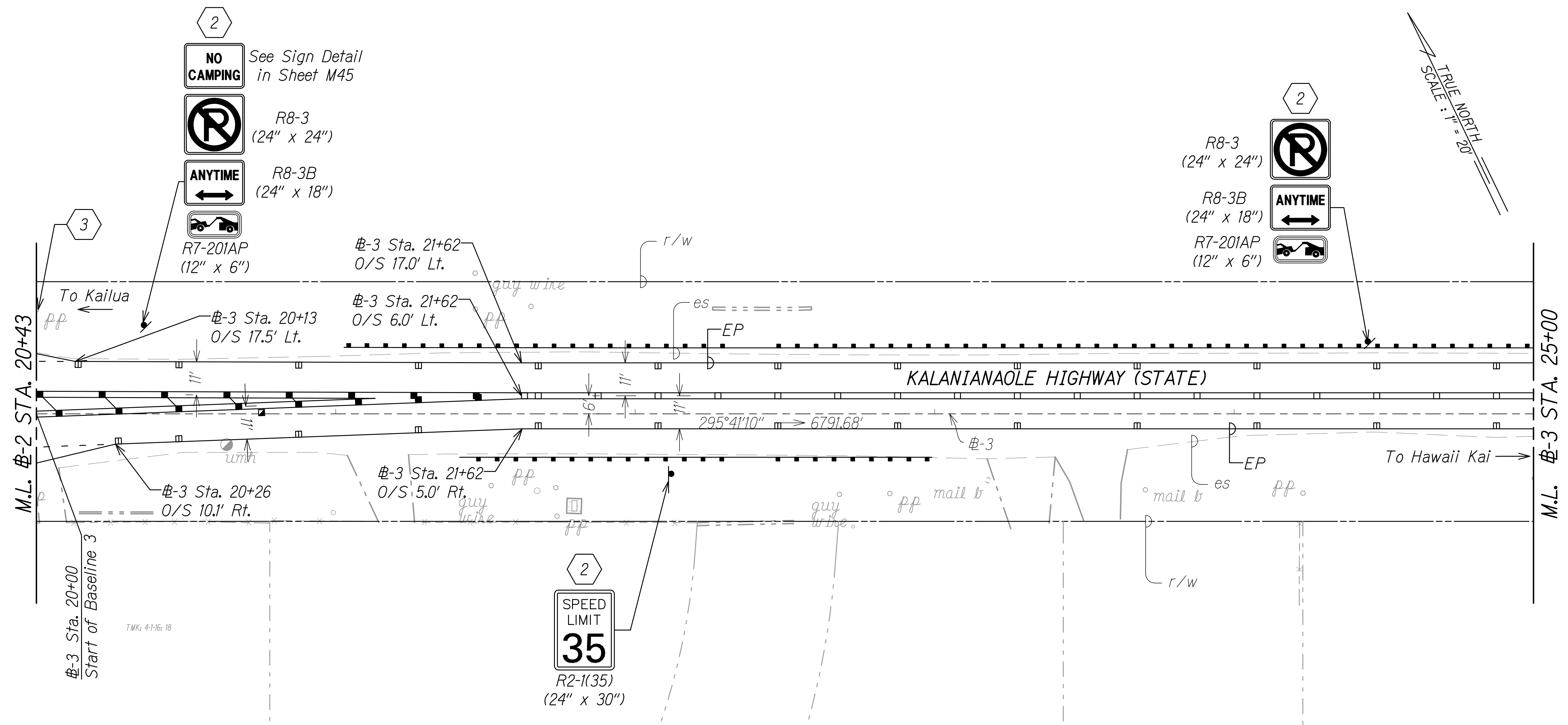
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. M25 OF 46 SHEETS

C:\CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M18-M26_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 8:23 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	176	243

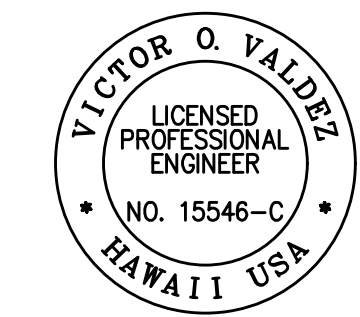
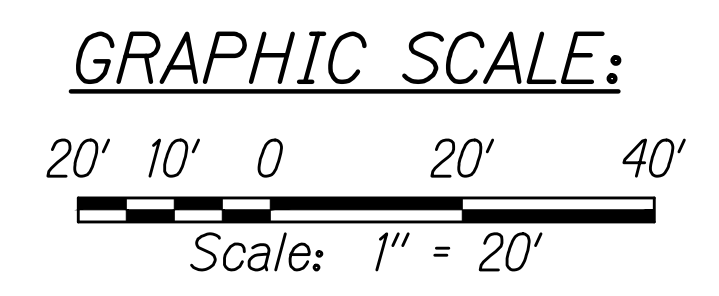


SIGNING KEY:

- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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[Signature] 04/30/22

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

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

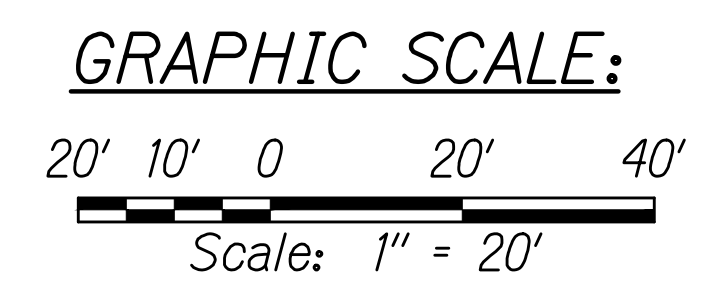
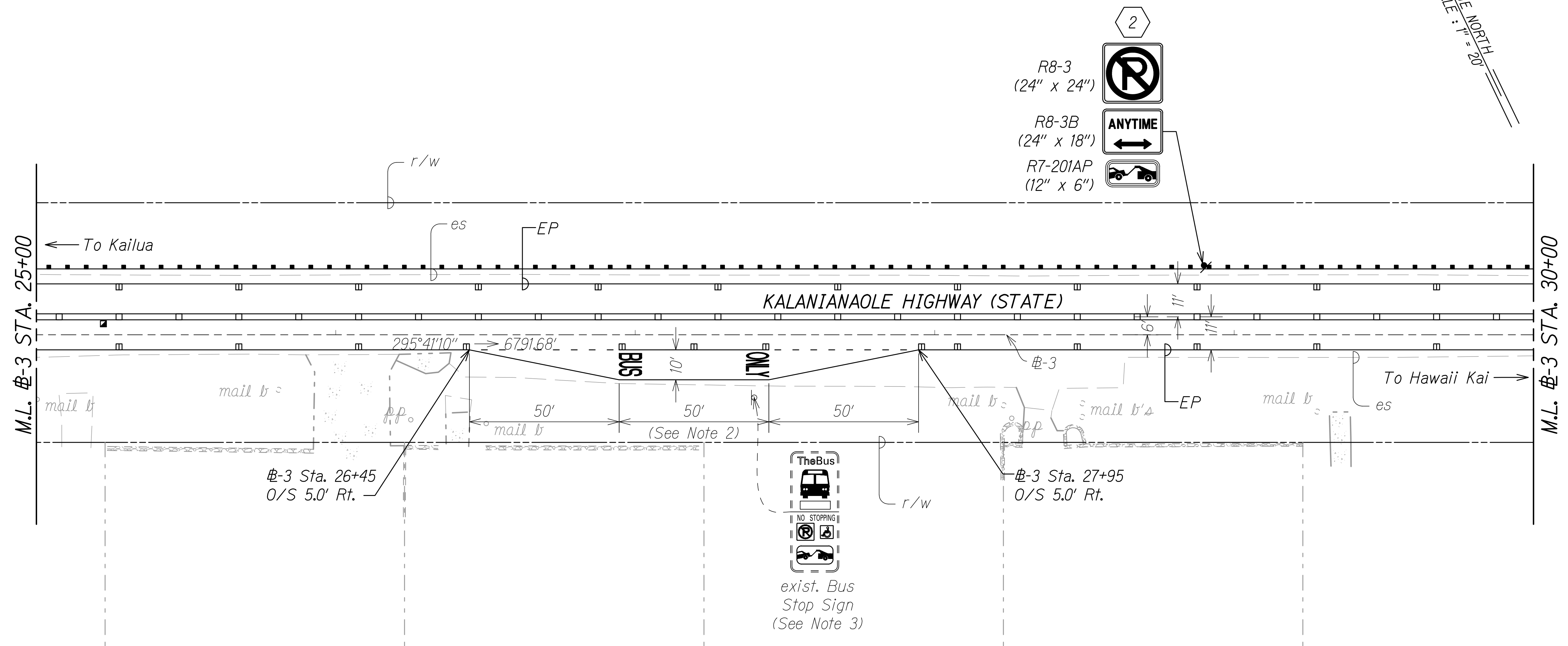
Scale: 1" = 20' Date: January 2021

SHEET No. **M27** OF **46** SHEETS

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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	177	243

TRUE NORTH
SCALE: 1" = 20'

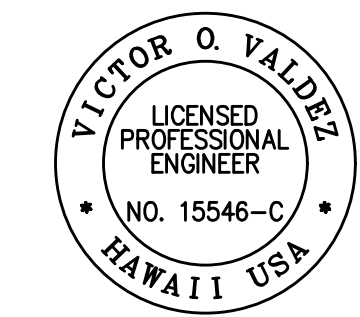


SIGNING KEY:

- ⬡ Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s)
& Type II Object Marker (OM2-2, Yellow).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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OR UNDER MY SUPERVISION

[Signature]
SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PAVEMENT MARKING &
SIGNING PLAN**

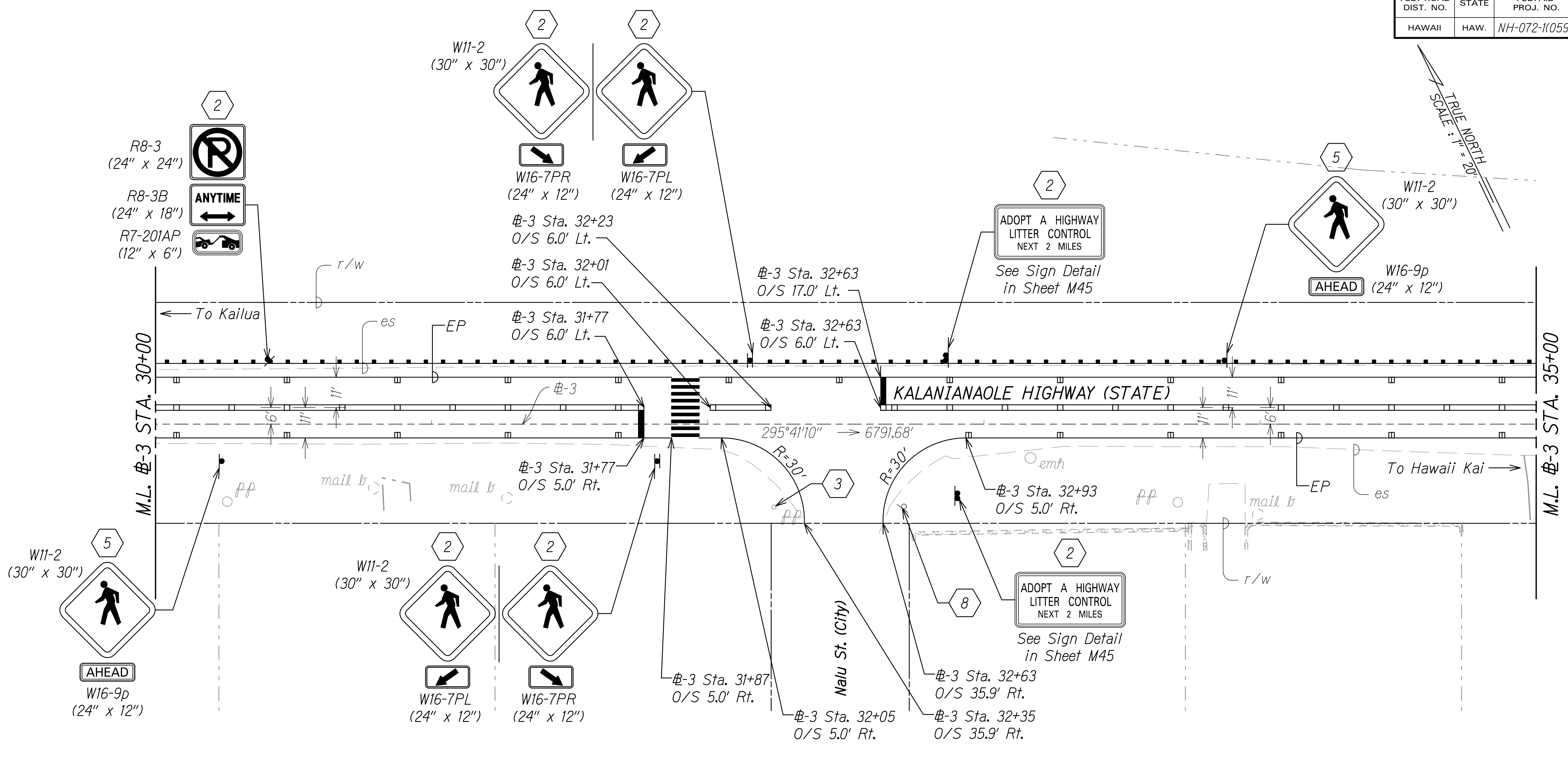
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

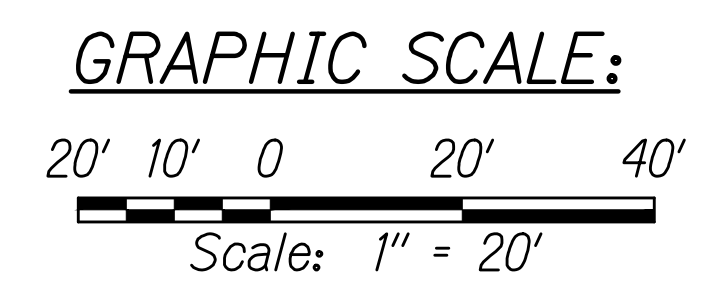
SHEET No. **M28** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M27-M30_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 9/2/2020 5:57 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	178	243

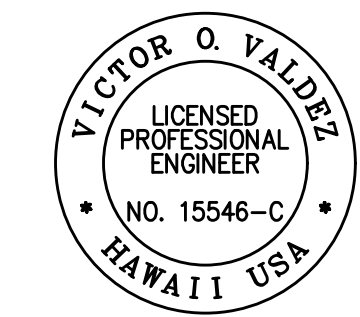


TRUE NORTH
SCALE: 1" = 20'



- SIGNING KEY:**
- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
 - ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.
 - ⑤ Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
 - ⑧ Exist. Sign(s) & Post(s) to Remain.

NOTE:
For Pavement Marking Legend and Notes, See Sheet M1.



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OR UNDER MY SUPERVISION

[Signature]
SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

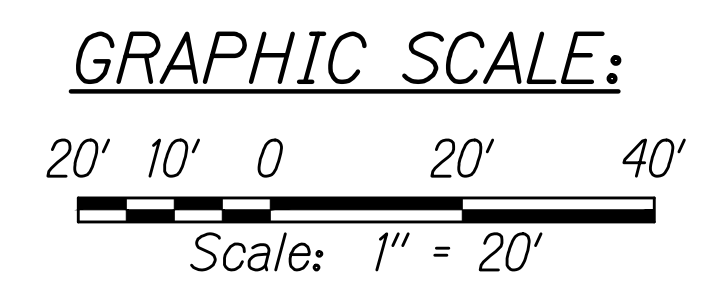
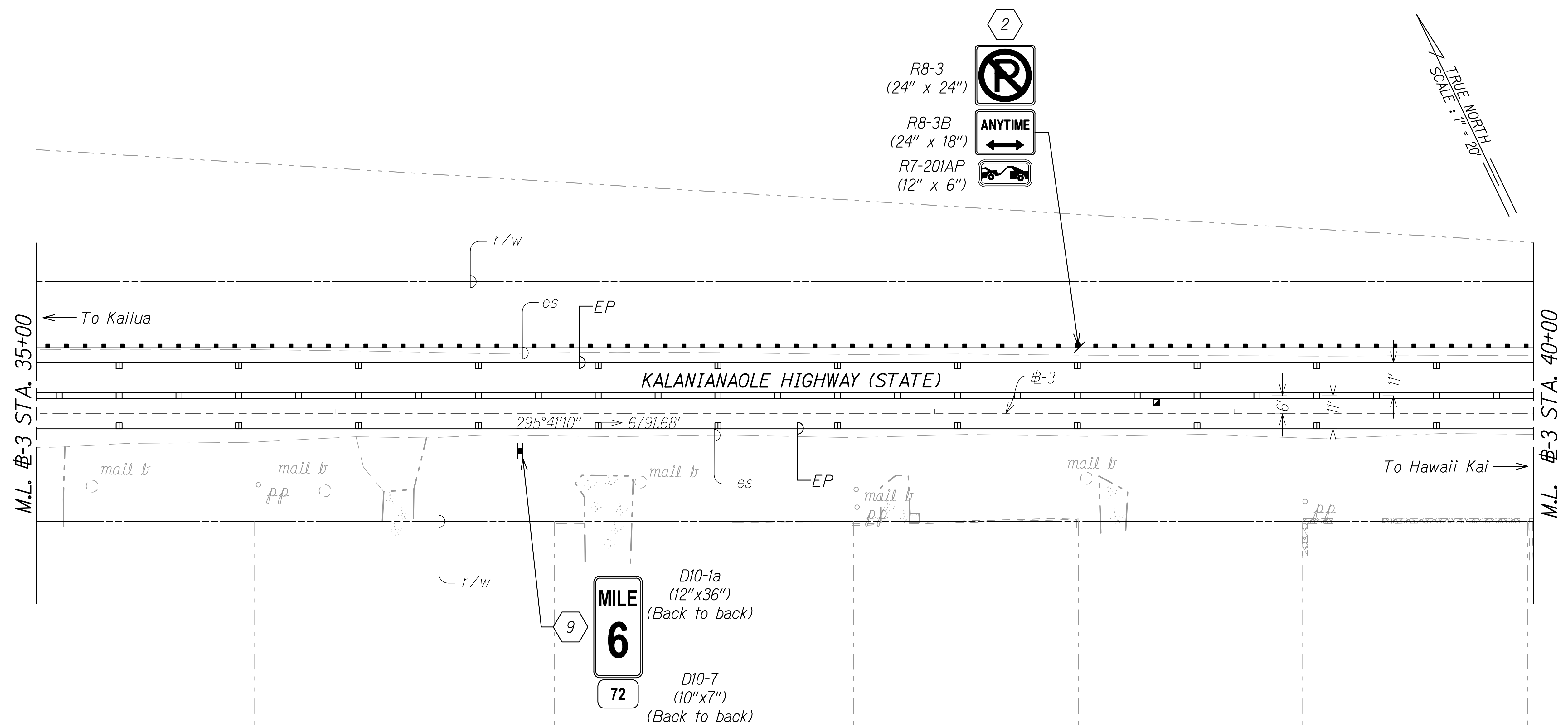
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M29** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002_000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULLA01_CE_DWG\M29-M30_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 9:42 AM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	179	243

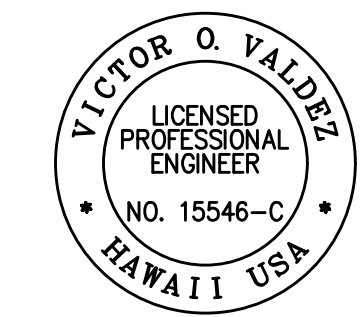


SIGNING KEY:

- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- ⑨ Install New Sign(s) & Post(s)
(See Detail M46 and Standard Plans TE-03B & TE-16).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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[Signature]
SIGNATURE

04/30/22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

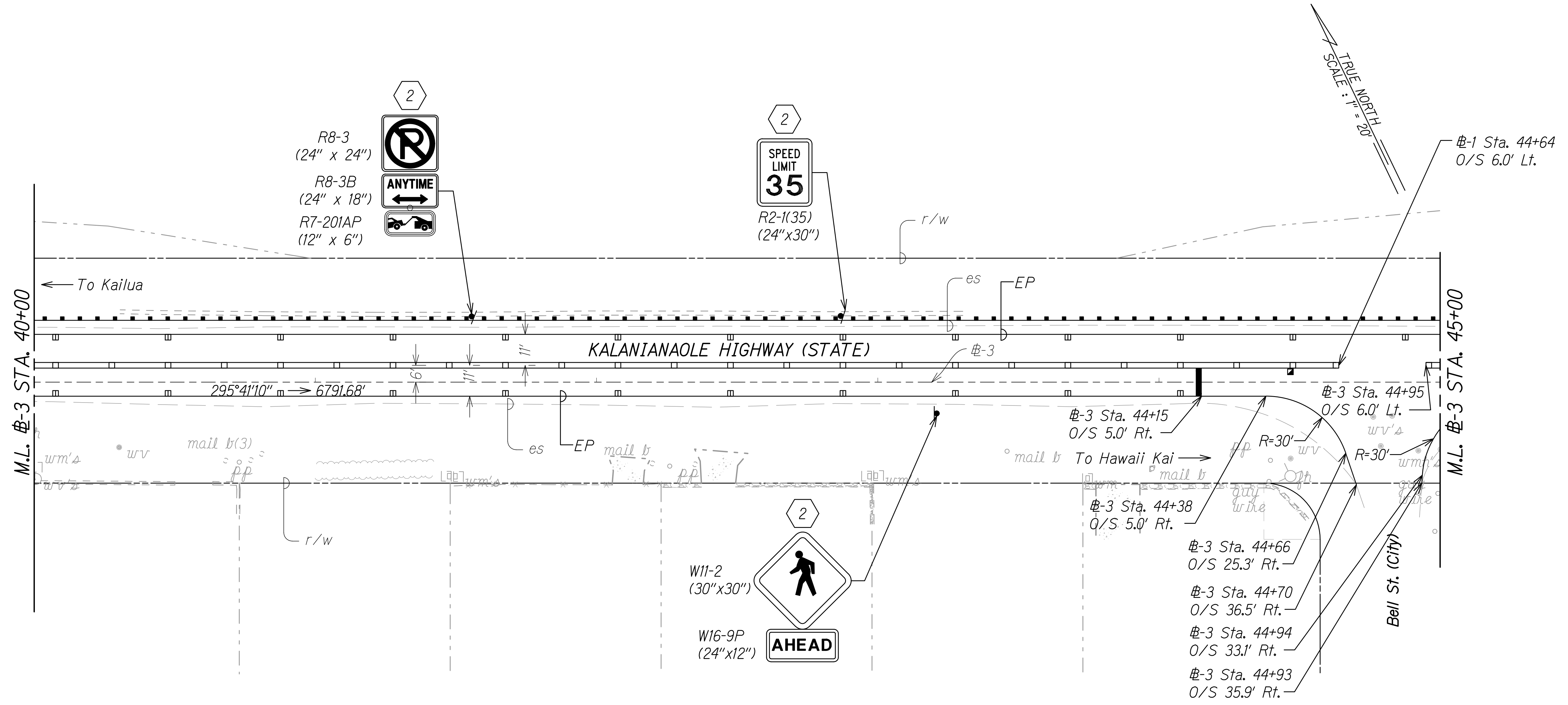
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. M30 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002_000_DOT_KAL_HHW_RESURFACING_POALIMA_TO_HULLA01_CE_DWG\M27-M30_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 9/2/2020 5:57 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	180	243

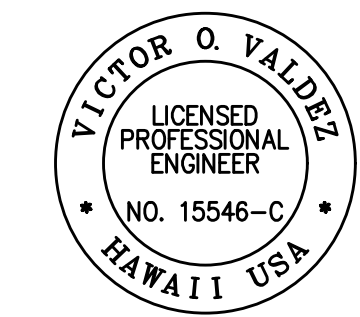
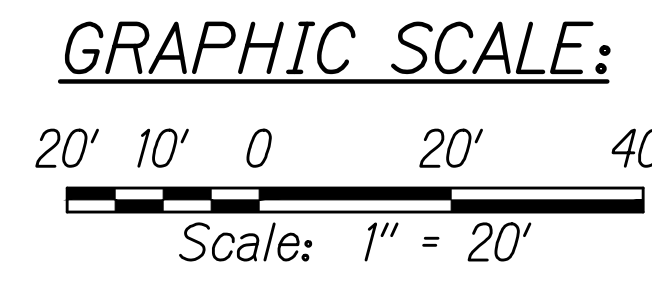


SIGNING KEY:

- Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s)
& Type II Object Marker (OM2-2, Yellow).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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OR UNDER MY SUPERVISION

[Signature]
SIGNATURE

04/30/22
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

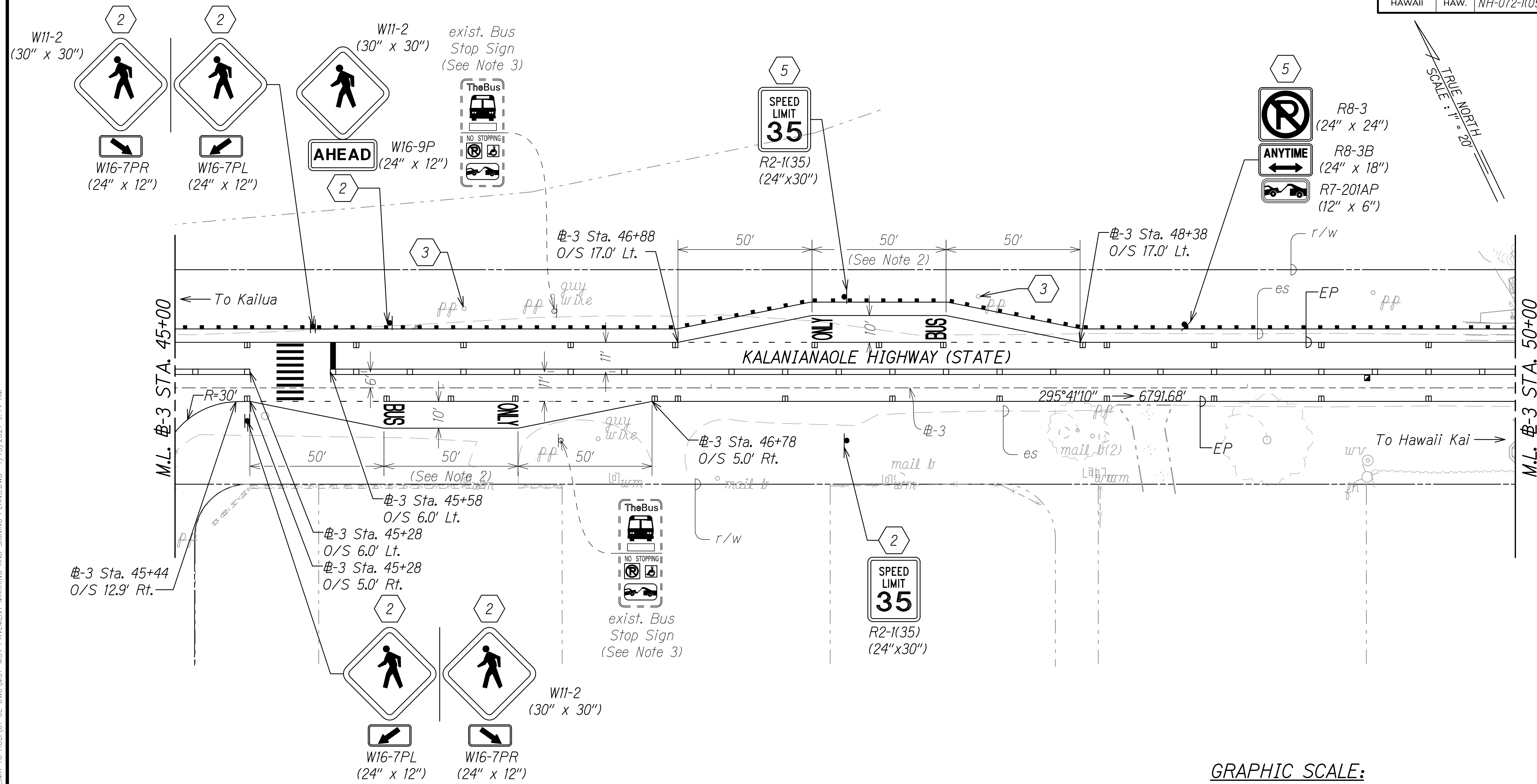
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. M31 OF 46 SHEETS

C:\CIVIL 3D PROJECTS\2017_002\000 DOT KAL HWY RESURFACING POALIMA TO HULLA\01 CE DWG\M31-M34 PAVEMENT MARKING AND SIGNING PLANS.DWG 1/15/2021 9:22 AM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	181	243

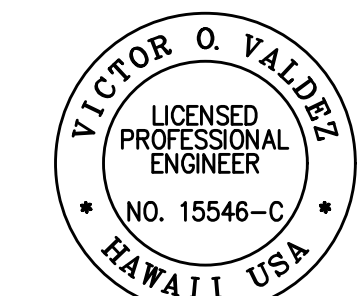
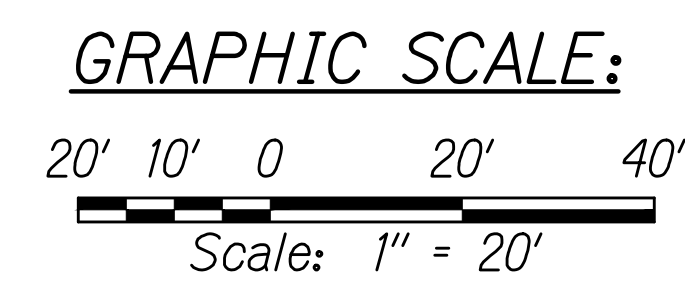


SIGNING KEY:

- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.
- ⑤ Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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Victor O. Valdez
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04/30/22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

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

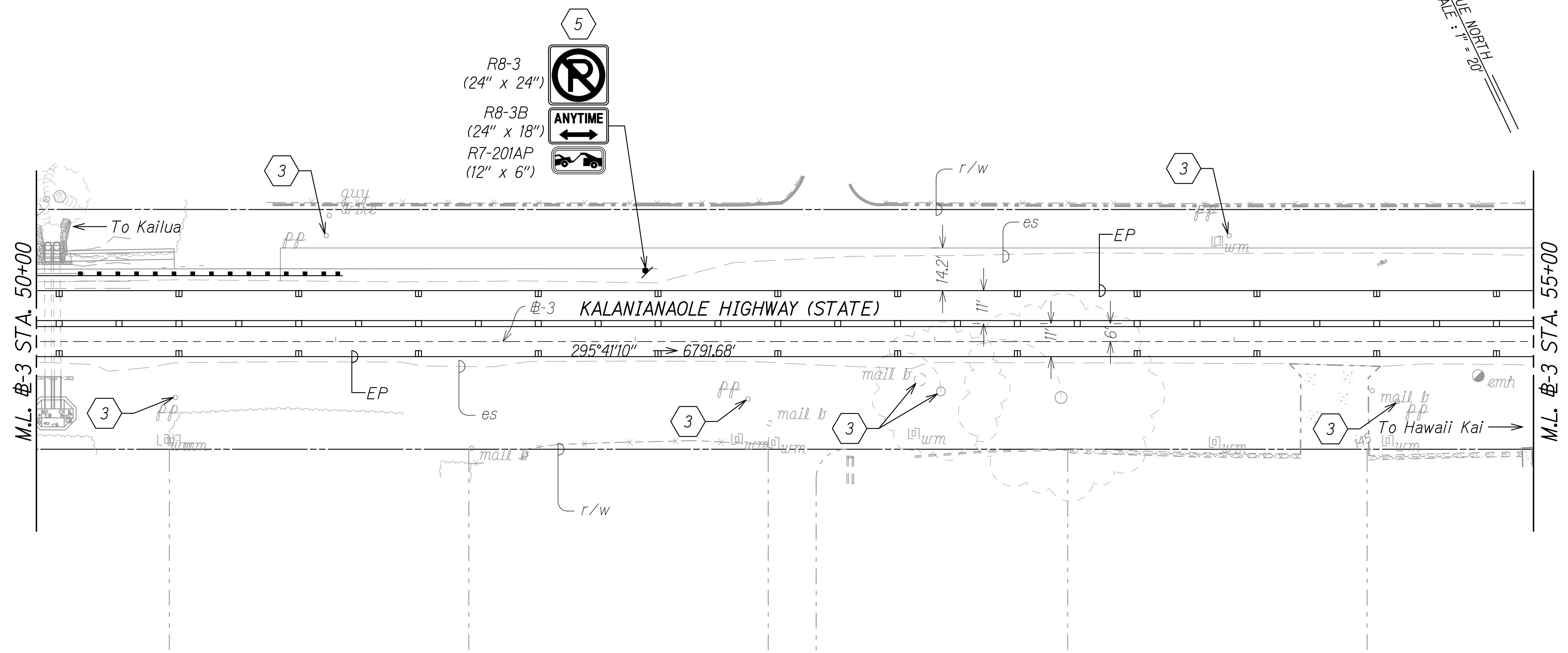
Scale: 1" = 20' Date: January 2021

SHEET No. M32 OF 46 SHEETS

C:\CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M31-M34_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 1/15/2021 9:14 AM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	182	243

TRUE NORTH
SCALE: 1" = 20'



5
R8-3 (24" x 24")
R8-3B (24" x 18")
R7-201AP (12" x 6")

M.L. #3 STA. 50+00

M.L. #3 STA. 55+00

KALANIANA'OLE HIGHWAY (STATE)

295°41'10" 6791.68'

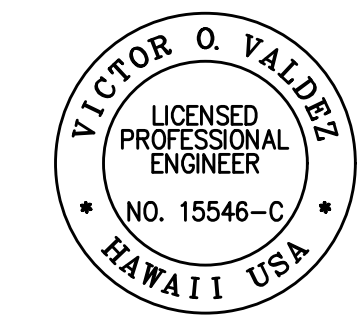
GRAPHIC SCALE:
20' 10' 0 20' 40'
Scale: 1" = 20'

SIGNING KEY:

- 3 Install Type II Object marker (OM2-2, Yellow) on existing pole.
- 5 Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.

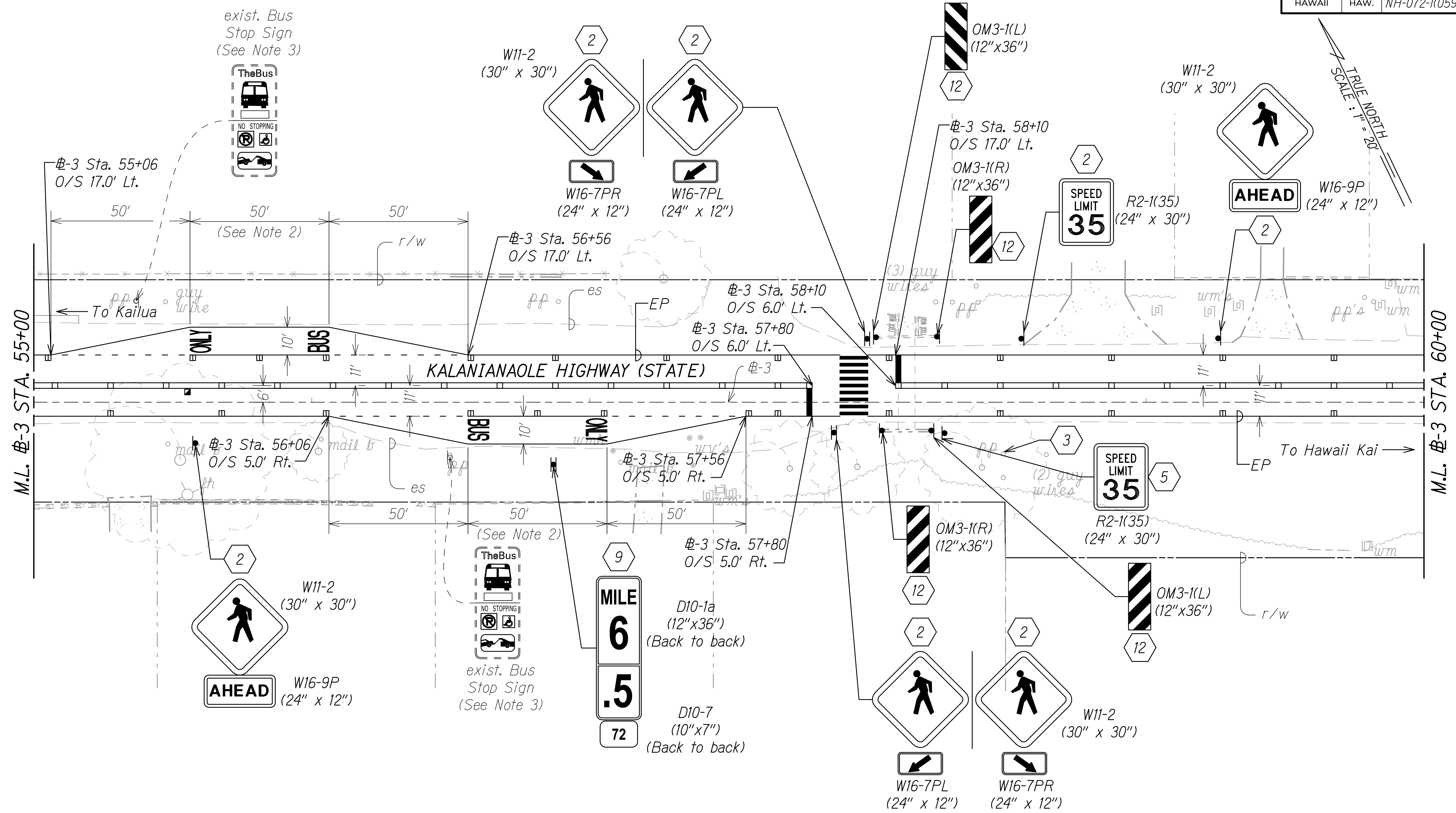


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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLAN
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)
Scale: 1" = 20' Date: January 2021
SHEET No. M33 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_Resurfacing_Poalima_To_Hulu\01_CE_DWG\M31-M34_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 6:09 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	183	243



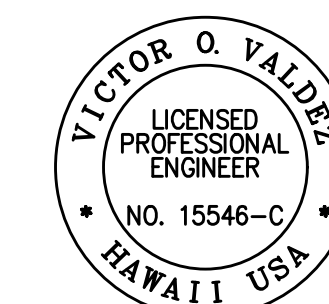
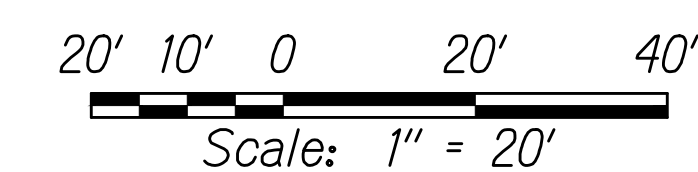
SIGNING KEY:

- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- ③ Install Type II Object marker (OM2-2, Yellow) on existing pole.
- ⑤ Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).
- ⑨ Install New Sign(s) & Post(s)
(See Detail M46 and Standard Plans TE-03B & TE-16).
- ⑫ Install New Sign(s) & Post(s).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.

GRAPHIC SCALE:



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

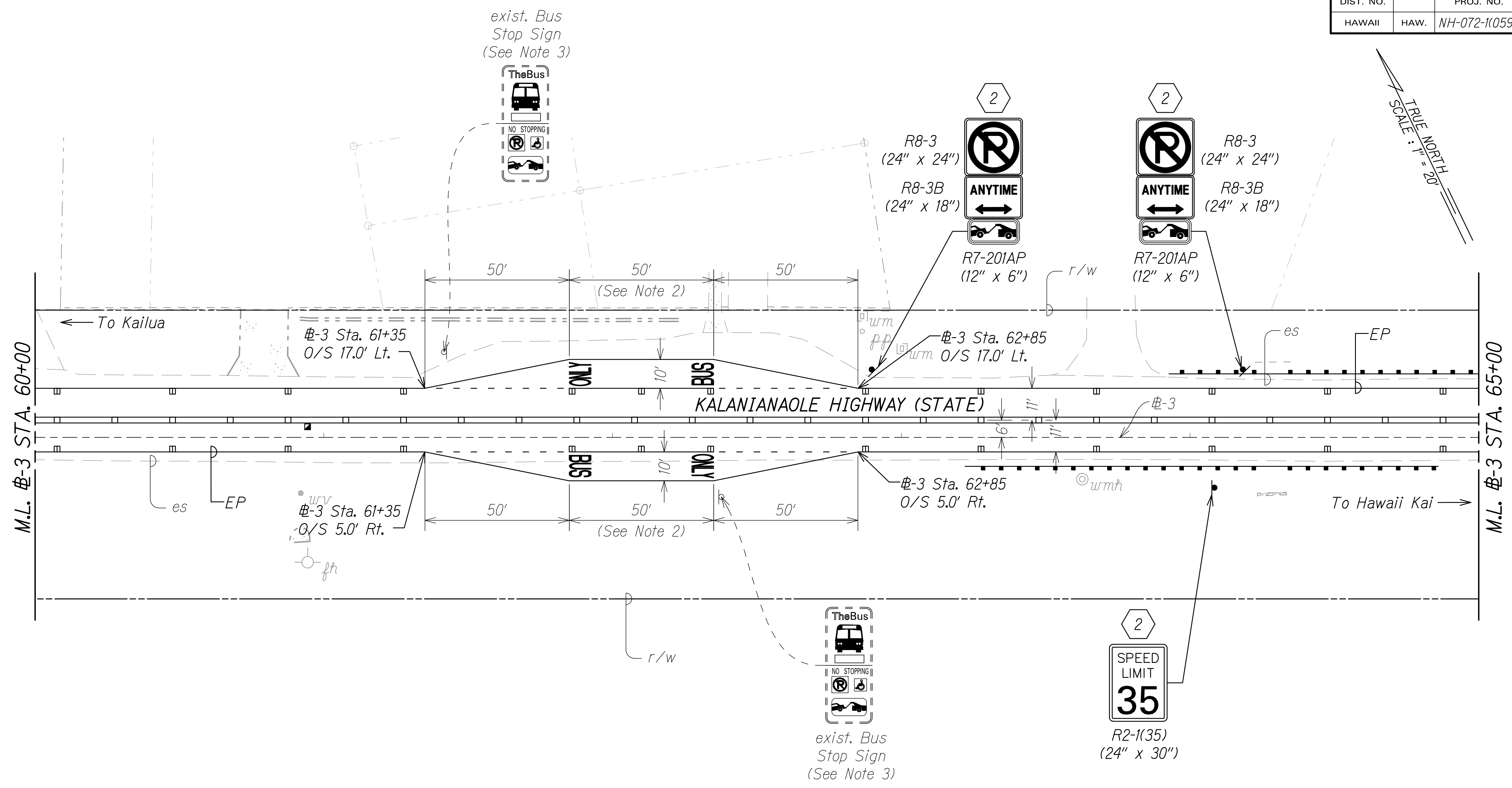
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

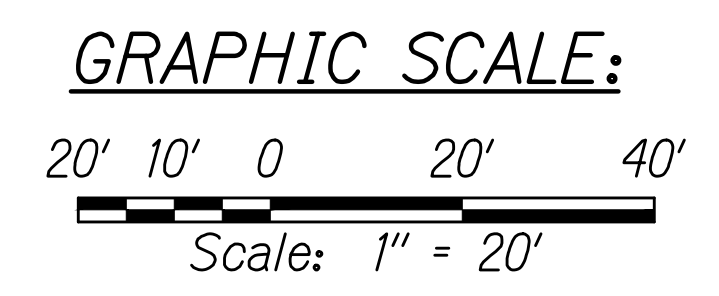
SHEET No. M34 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_Resurfacing_Poalima_To_Huliwai_01_Ce_DWG\M31-M34_PAVEMENT MARKING AND SIGNING PLANS.DWG 11/3/2020 6:09 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	184	243



TRUE NORTH
SCALE: 1" = 20'

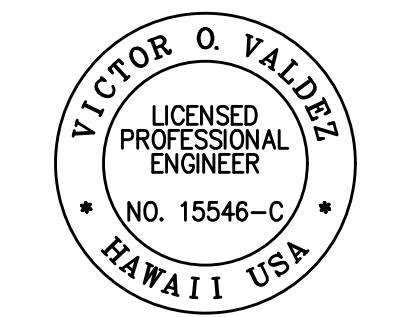


SIGNING KEY:

- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

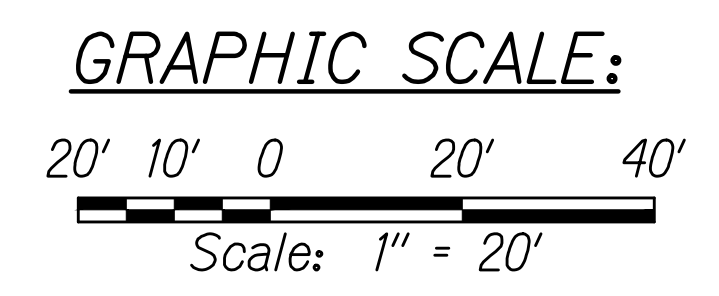
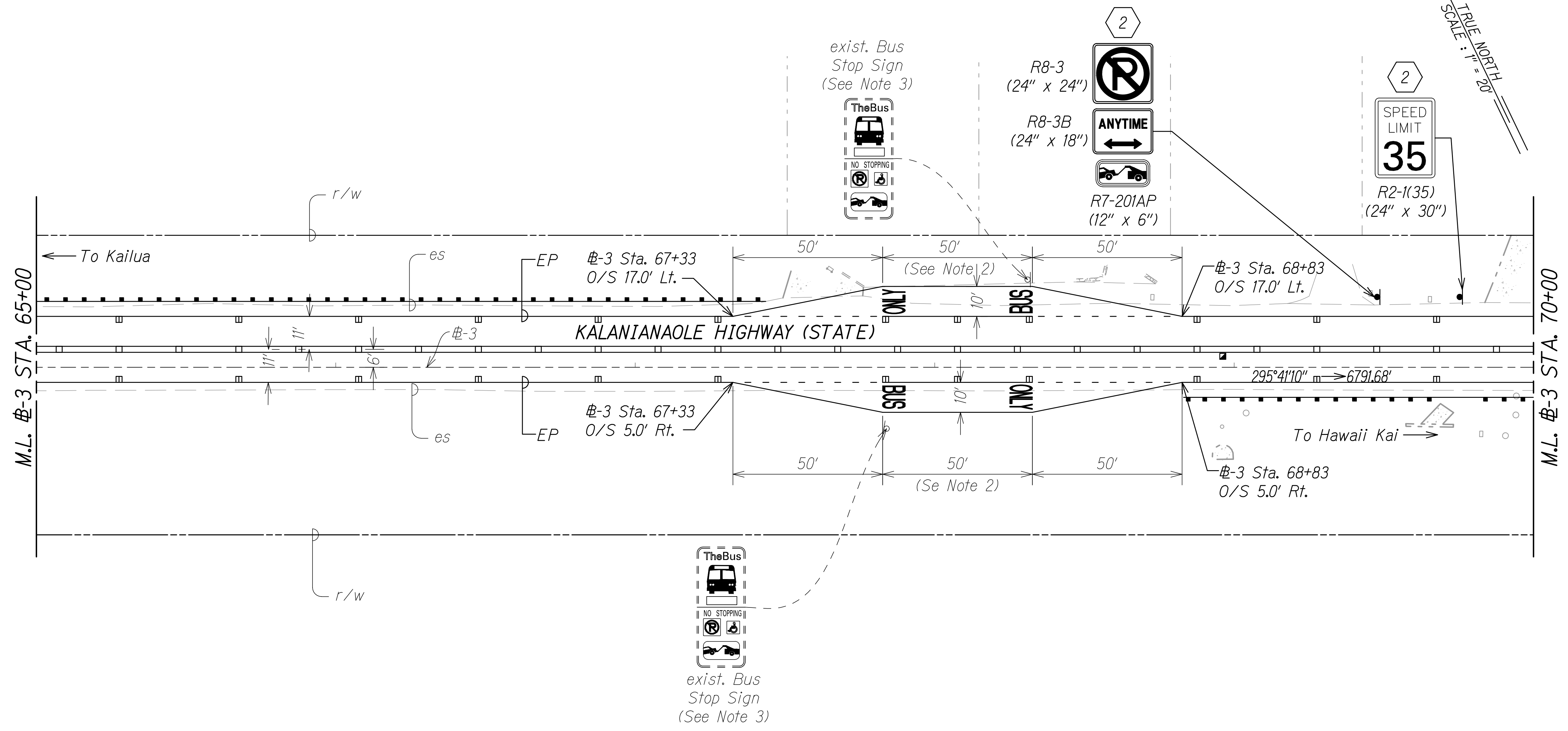
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. M35 OF 46 SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\M35-M38_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 6:12 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	185	243

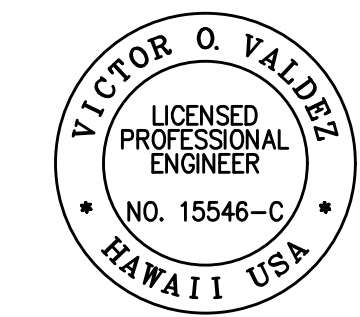


SIGNING KEY:

- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s)
& Type II Object Marker (OM2-2, Yellow).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PAVEMENT MARKING &
SIGNING PLAN**

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

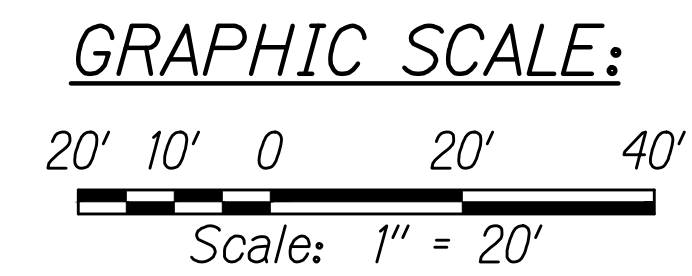
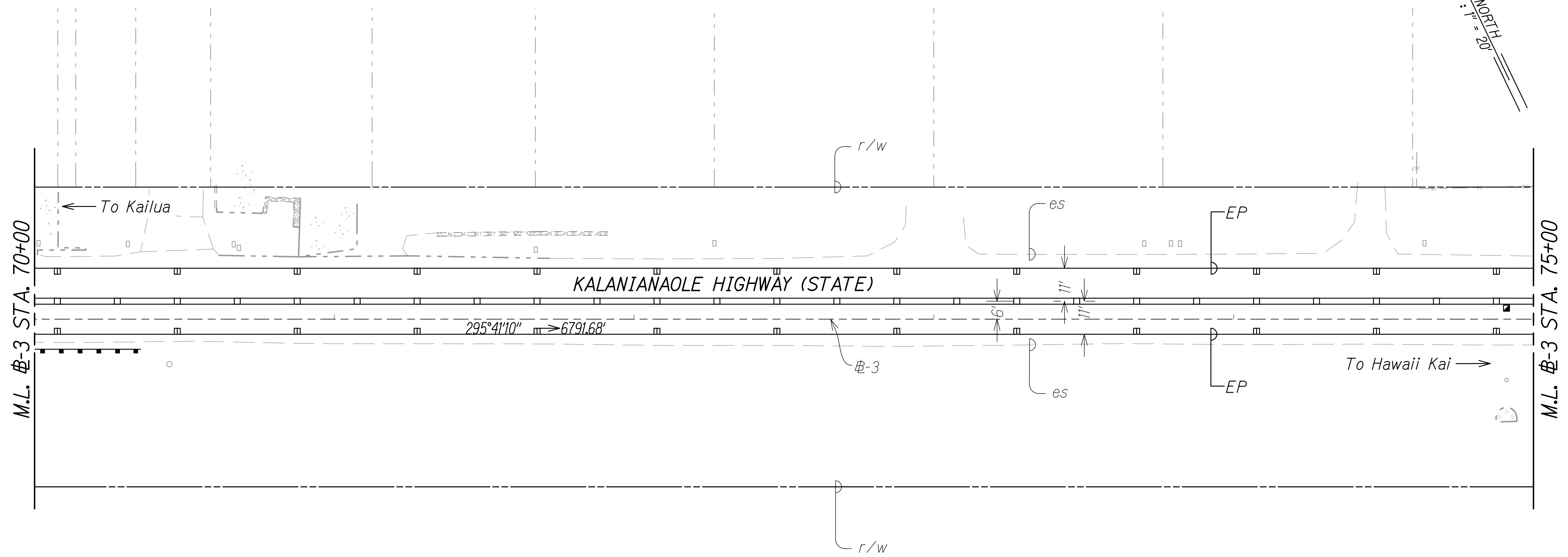
Scale: 1" = 20' Date: January 2021

SHEET No. **M36** OF **46** SHEETS

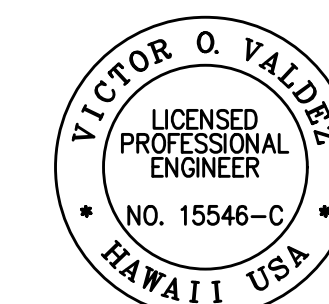
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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	186	243

TRUE NORTH
SCALE: 1" = 20'



NOTE:
 For Pavement Marking Legend and Notes, See Sheet M1.



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04/30/22
 EXPIRATION DATE
 OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

**PAVEMENT MARKING &
 SIGNING PLAN**

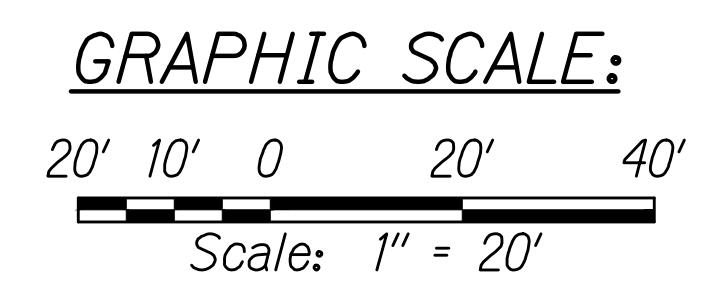
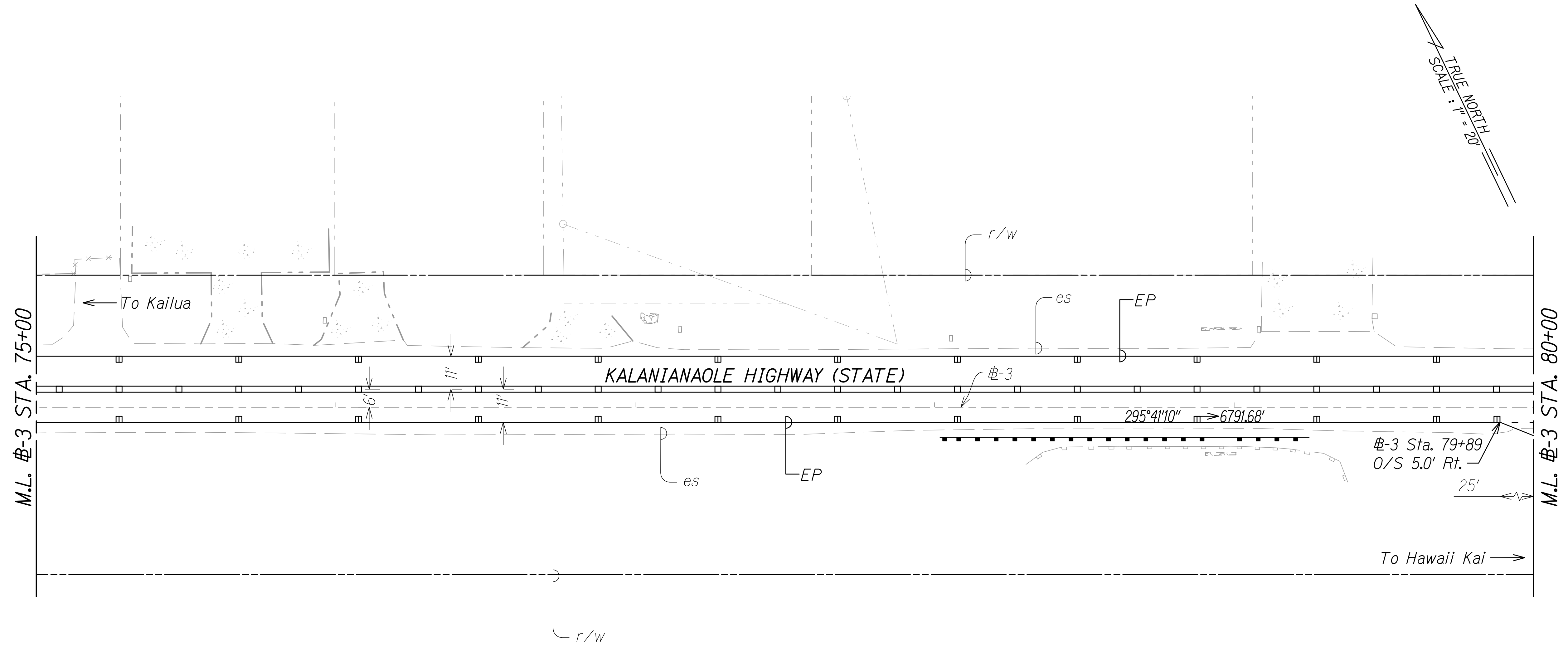
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
 Poalima Street to Vicinity of Makai Pier
 Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

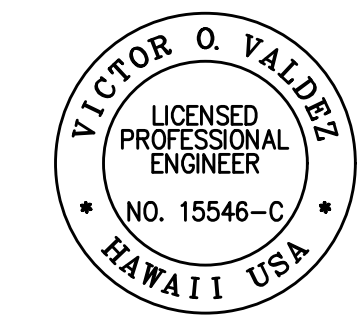
SHEET No. **M37** OF **46** SHEETS

C:\CIVIL 3D PROJECTS\2017_002\000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULL\01_CE_DWG\M35-M38_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 6:12 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	187	243



NOTE:
For Pavement Marking Legend and Notes, See Sheet M1.



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OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PAVEMENT MARKING &
SIGNING PLAN**

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

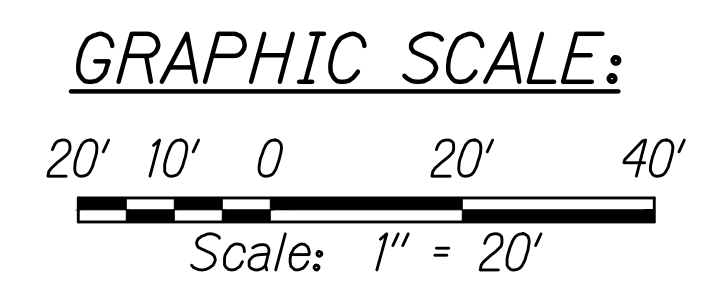
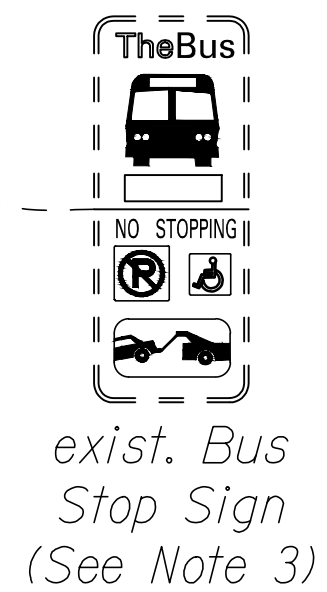
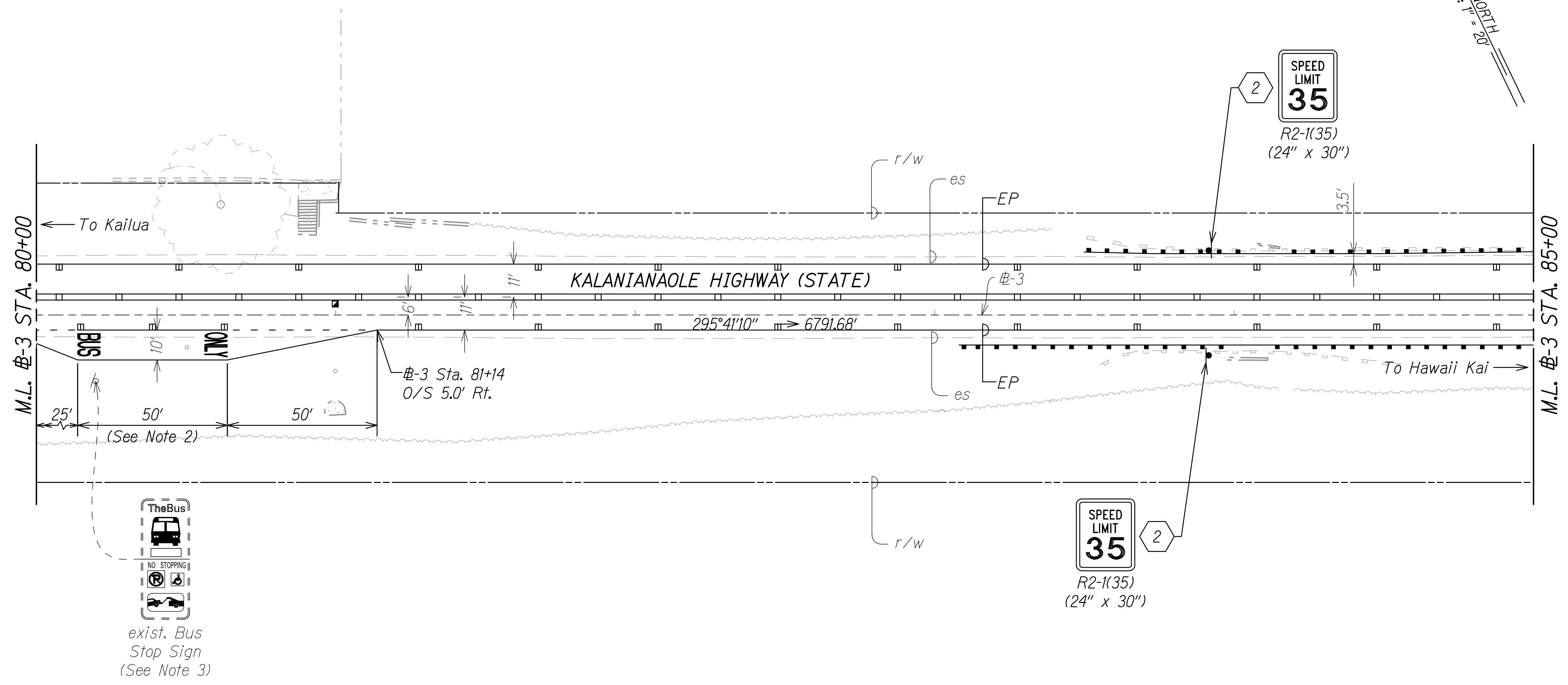
Scale: 1" = 20' Date: January 2021

SHEET No. **M38** OF **46** SHEETS

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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	188	243

TRUE NORTH
SCALE: 1" = 20'

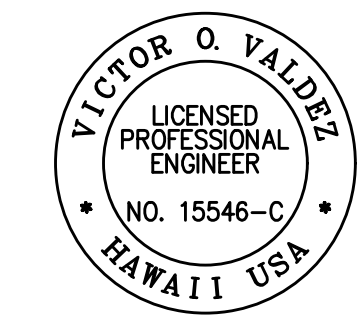


SIGNING KEY:

- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



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04/30/22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING 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

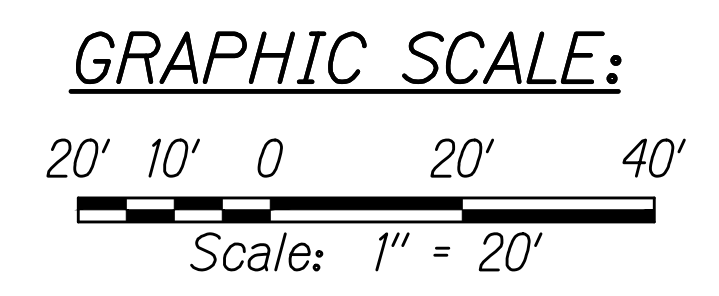
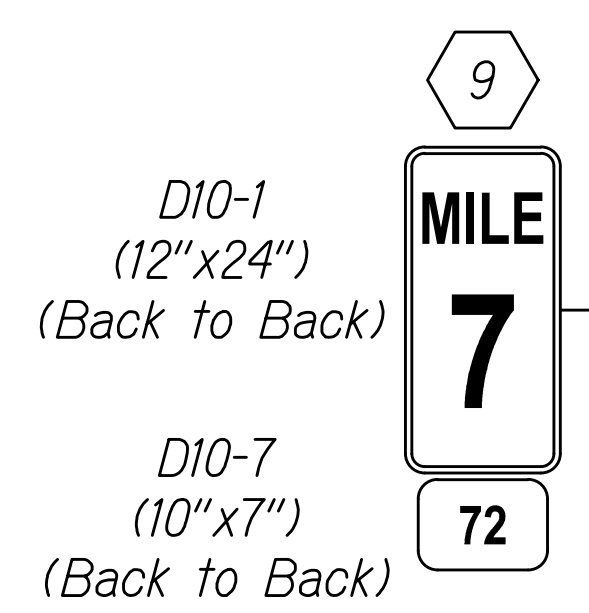
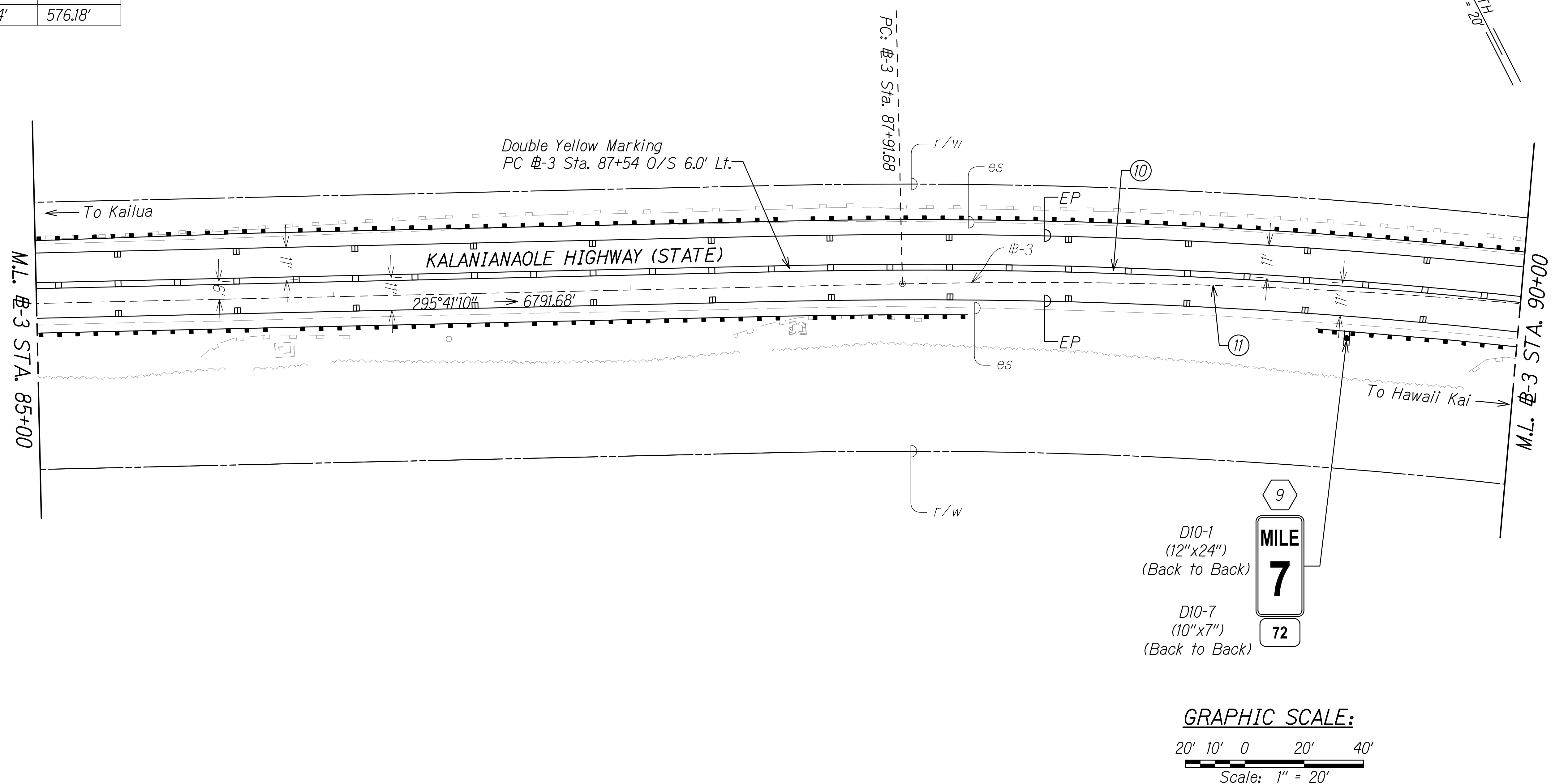
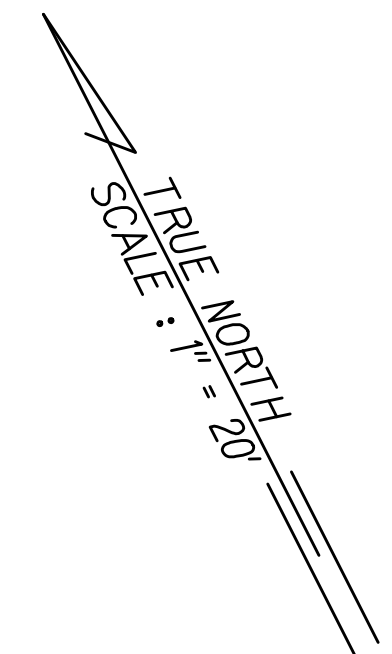
SHEET No. **M39** OF **46** SHEETS

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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	189	243

CURVE DATA:

CURVE	⑩	⑪
Δ	17°17'00"	17°17'00"
$\Delta/2$	8°38'30"	8°38'30"
R	1900.00'	1910.08'
Tan.	288.76'	290.29'
C	570.97'	574.00'
Lc	573.14'	576.18'

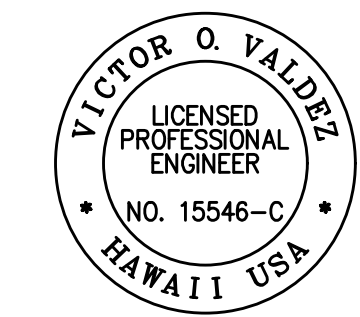


SIGNING KEY:

- ⑨ Install New Sign(s) & Post(s)
(See Detail M46 and Standard Plans TE-03B & TE-16).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**PAVEMENT MARKING &
SIGNING 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. M40 OF 46 SHEETS

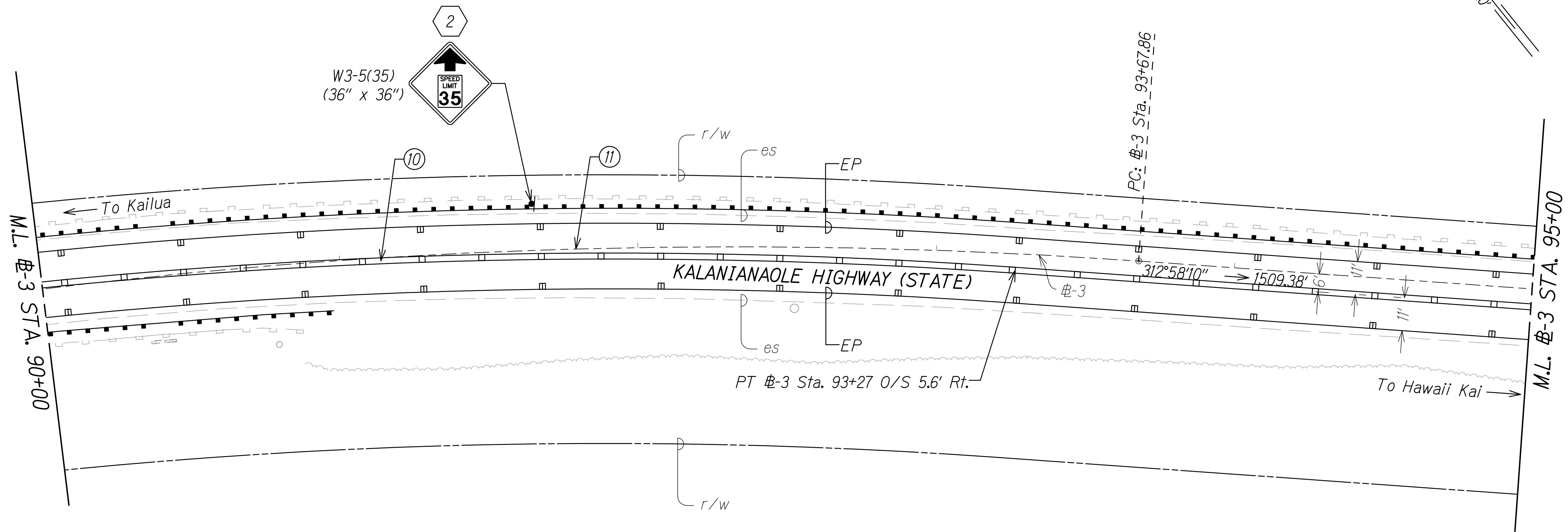
C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULUOI_CE_DWG\M39-M44_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 6:16 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	190	243

CURVE DATA:

CURVE	⑩	⑪
Δ	17°17'00"	17°17'00"
$\Delta/2$	8°38'30"	8°38'30"
R	1900.00'	1910.08'
Tan.	288.76'	290.29'
C	570.97'	574.00'
Lc	573.14'	576.18'

TRUE NORTH
SCALE: 1" = 20'



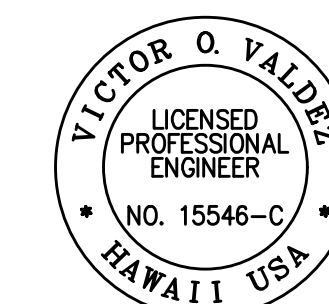
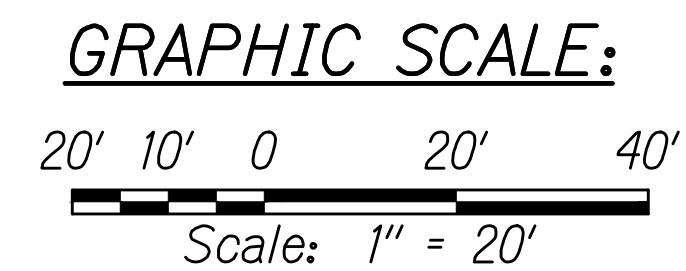
C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULL\01_CE_DWG\M39-M44_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 6:16 PM

SIGNING KEY:

- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s)
& Type II Object Marker (OM2-2, Yellow).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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Victor O. Valdez
SIGNATURE 04/30/22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

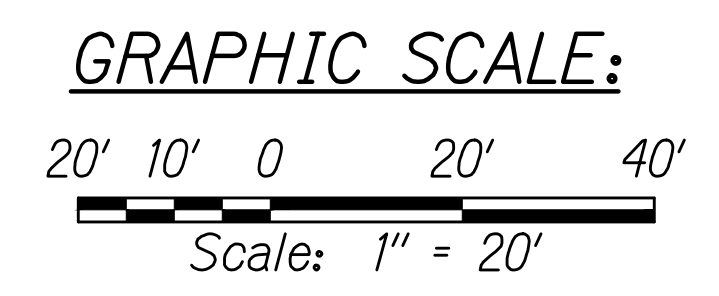
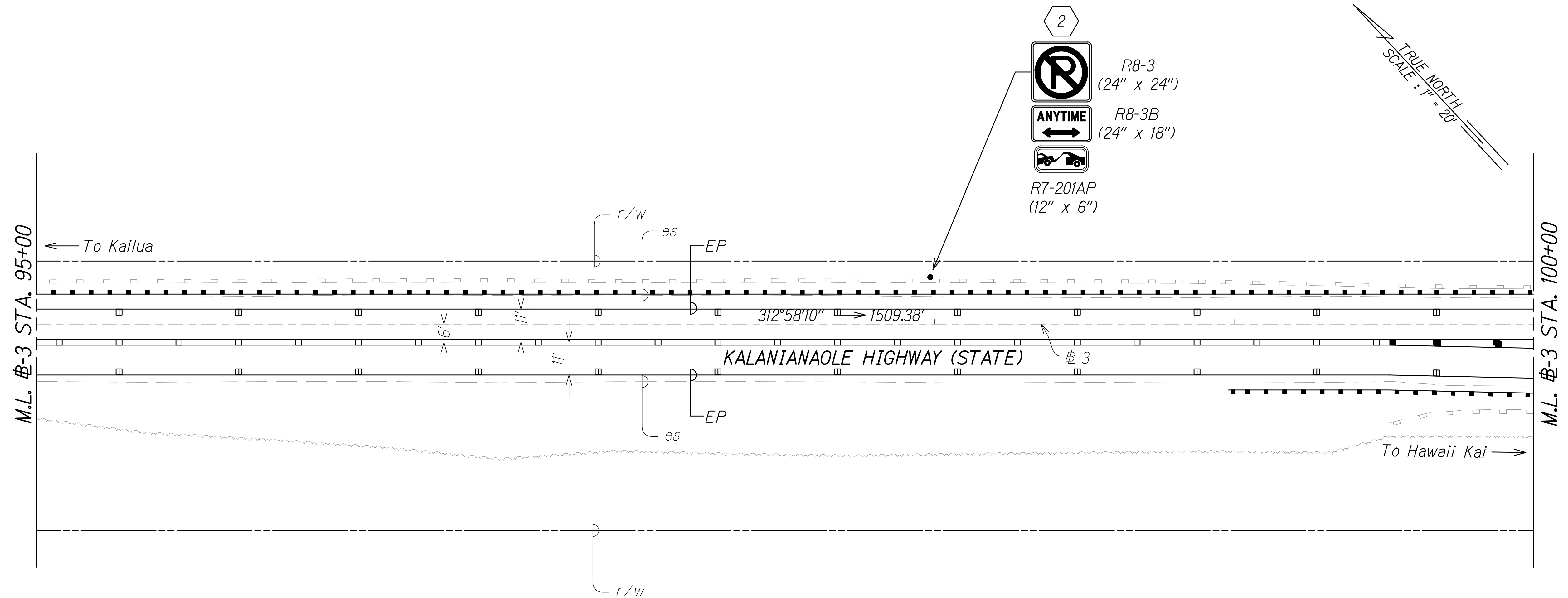
PAVEMENT MARKING & SIGNING PLAN

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. **M41** OF **46** SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	191	243

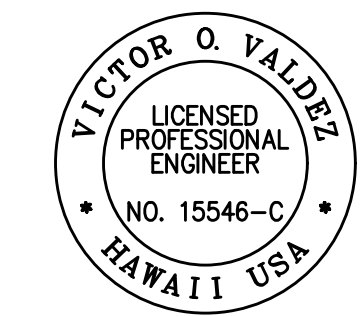


SIGNING KEY:

- Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s)
& Type II Object Marker (OM2-2, Yellow).

NOTE:

For Pavement Marking Legend and Notes, See Sheet M1.



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OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PAVEMENT MARKING &
SIGNING PLAN**

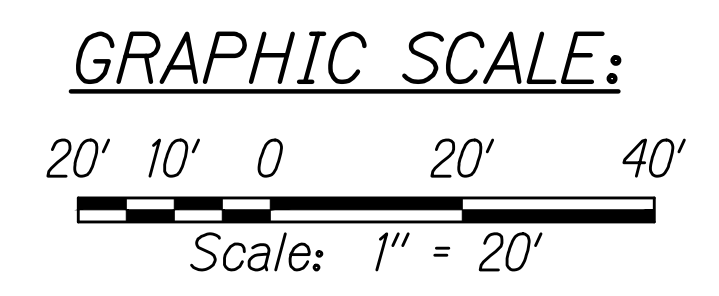
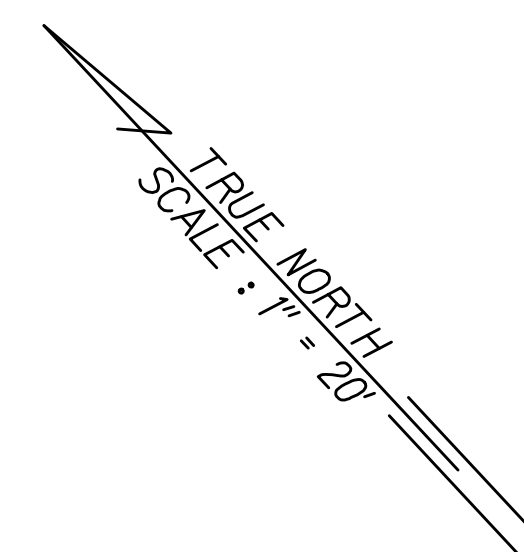
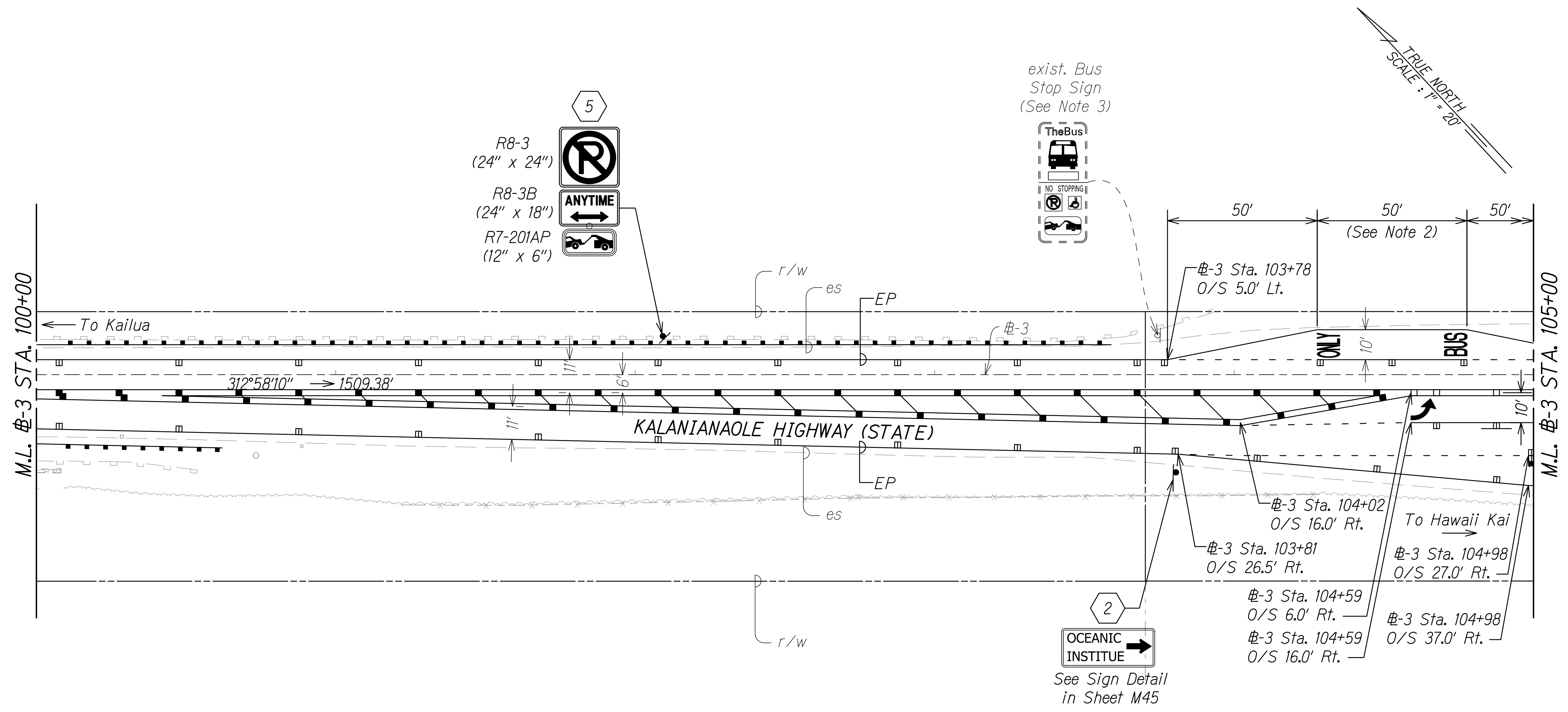
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

SHEET No. **M42** OF **46** SHEETS

C:_CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_HWY_RESURFACING_POALIMA_TO_HULL\01_CE_DWG\M39-M44_PAVEMENT_MARKING_AND_SIGNING_PLANS.DWG 11/3/2020 6:16 PM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	192	243



SIGNING KEY:

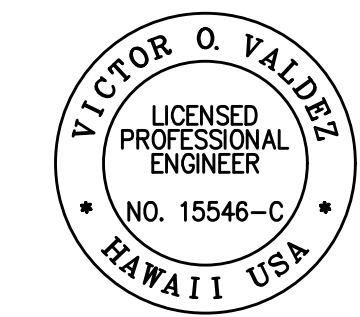
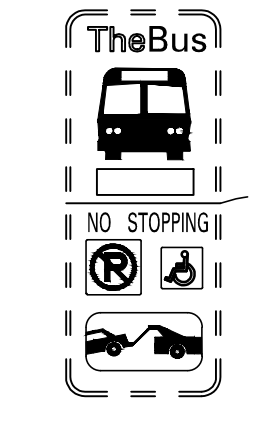
- ② Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/Post(s) & Type II Object Marker (OM2-2, Yellow).
- ⑤ Install New Sign(s) & Post(s) & Type II Object Marker (OM2-2, Yellow).

NOTES:

1. For Pavement Marking Legend and Notes, See Sheet M1.
2. For Bus Bay Marking, See HDOT Standard Plan TE-28A.
3. Bus Stop Signs are to be installed by TheBus, Oahu Transit Services, (808) 848-5555. Contractor shall install new post only and coordinate their temporary and final location accordingly.



exist. Bus Stop Sign
(See Note 3)



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

PAVEMENT MARKING & SIGNING PLAN

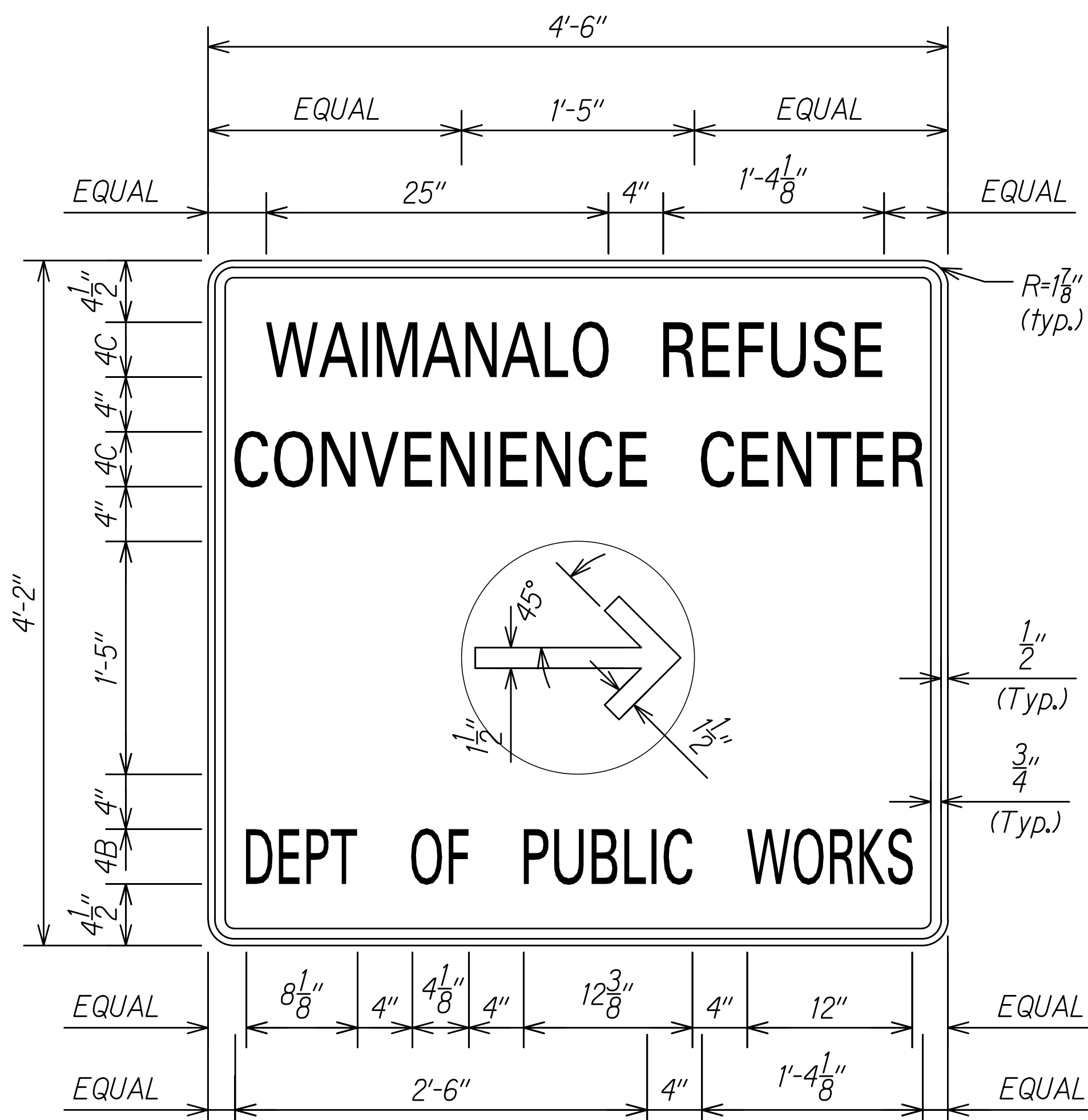
KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
Poalima Street to Vicinity of Makai Pier
Federal-Aid Project No. NH-072-1(059)

Scale: 1" = 20' Date: January 2021

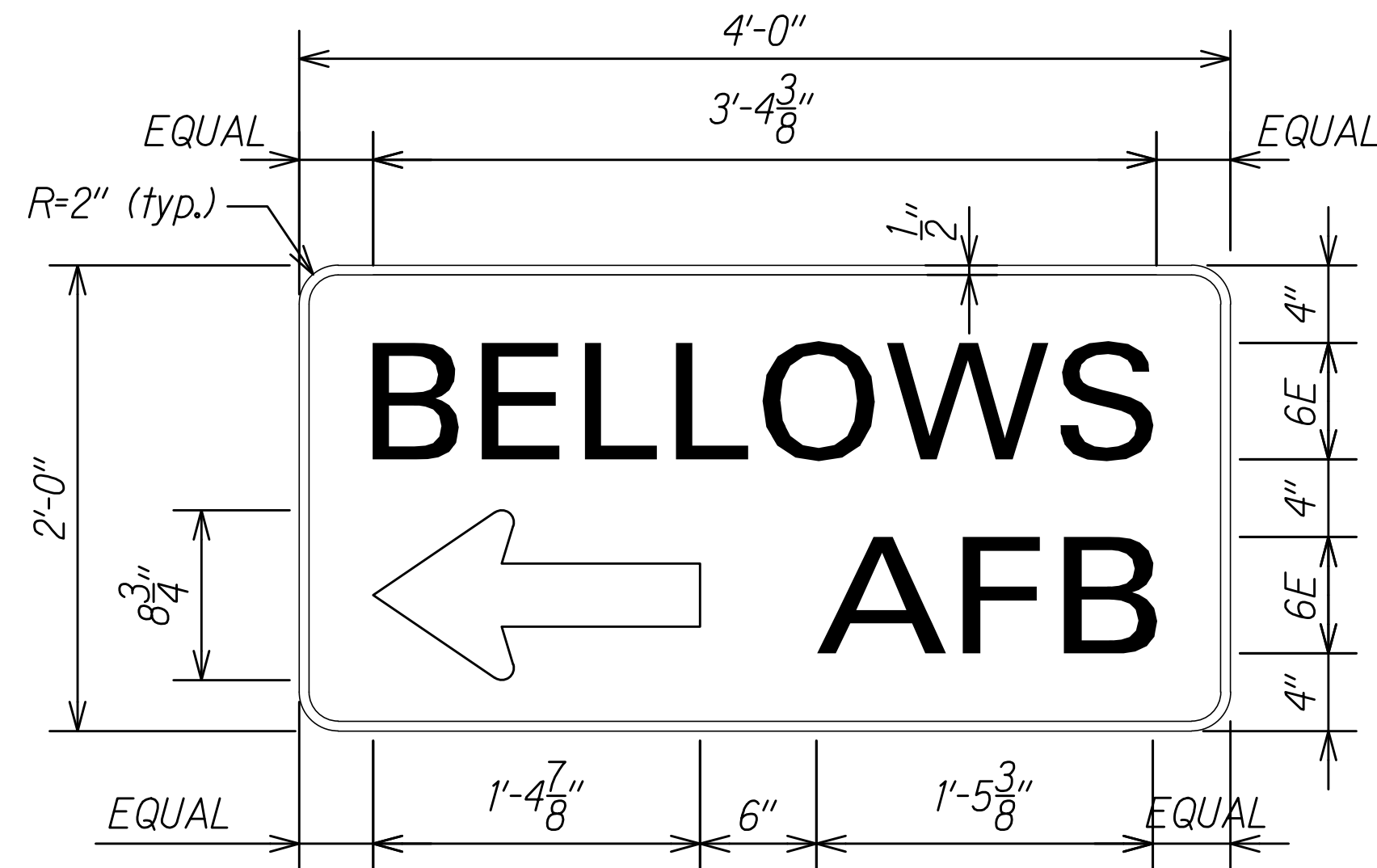
SHEET No. **M43** OF **46** SHEETS

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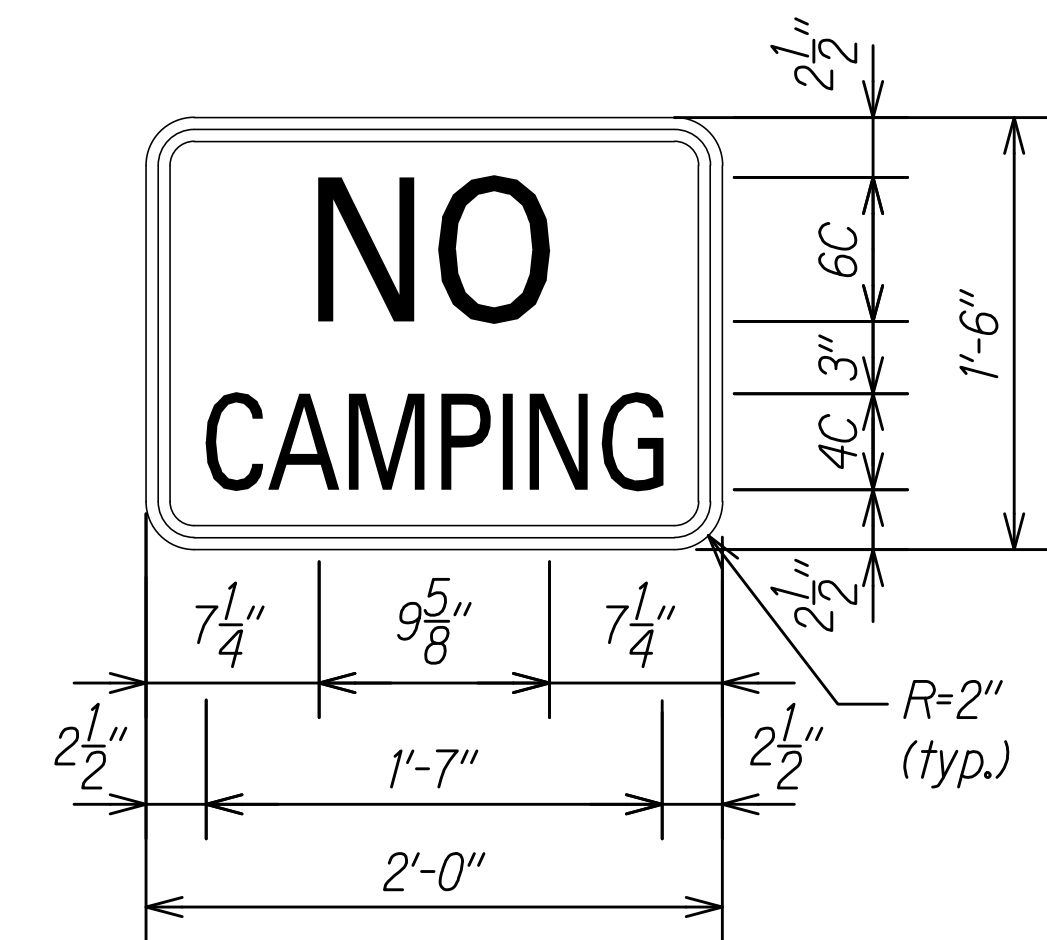
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(059)	2021	194	243



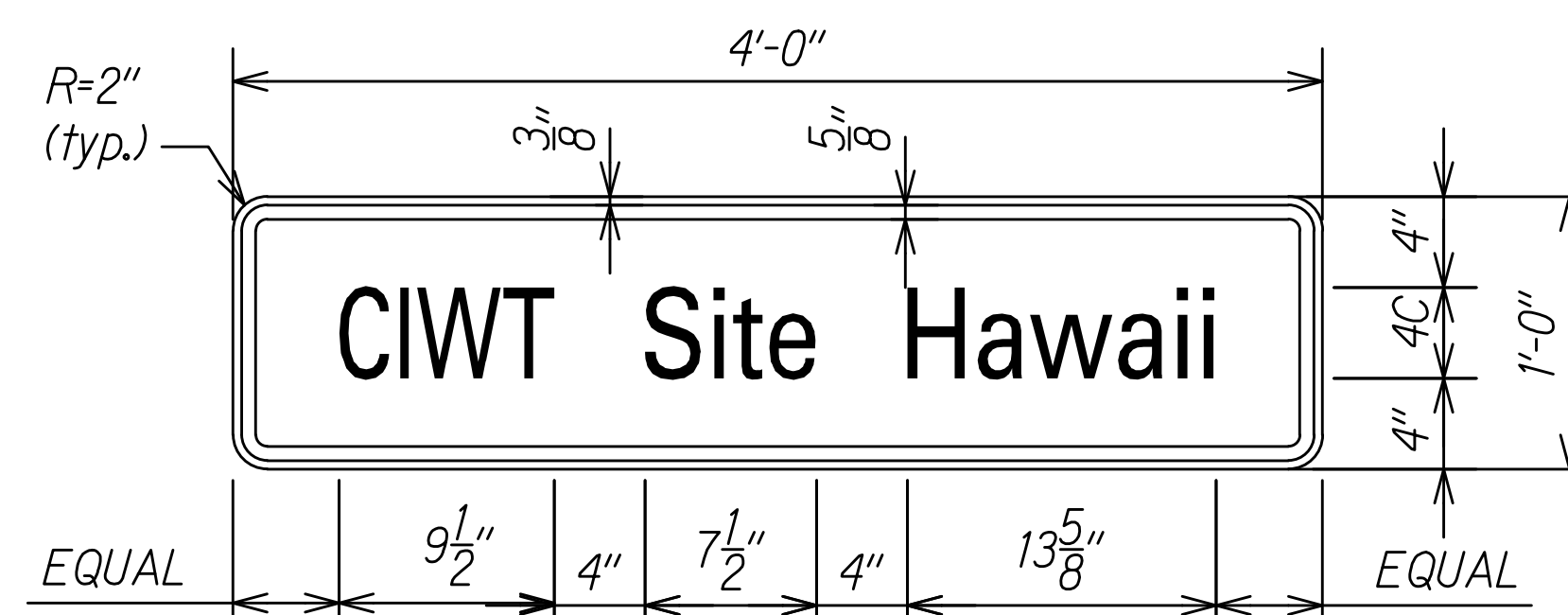
WAIMANALO REFUSE CONVENIENCE CENTER SIGN (White on Green)
Not To Scale



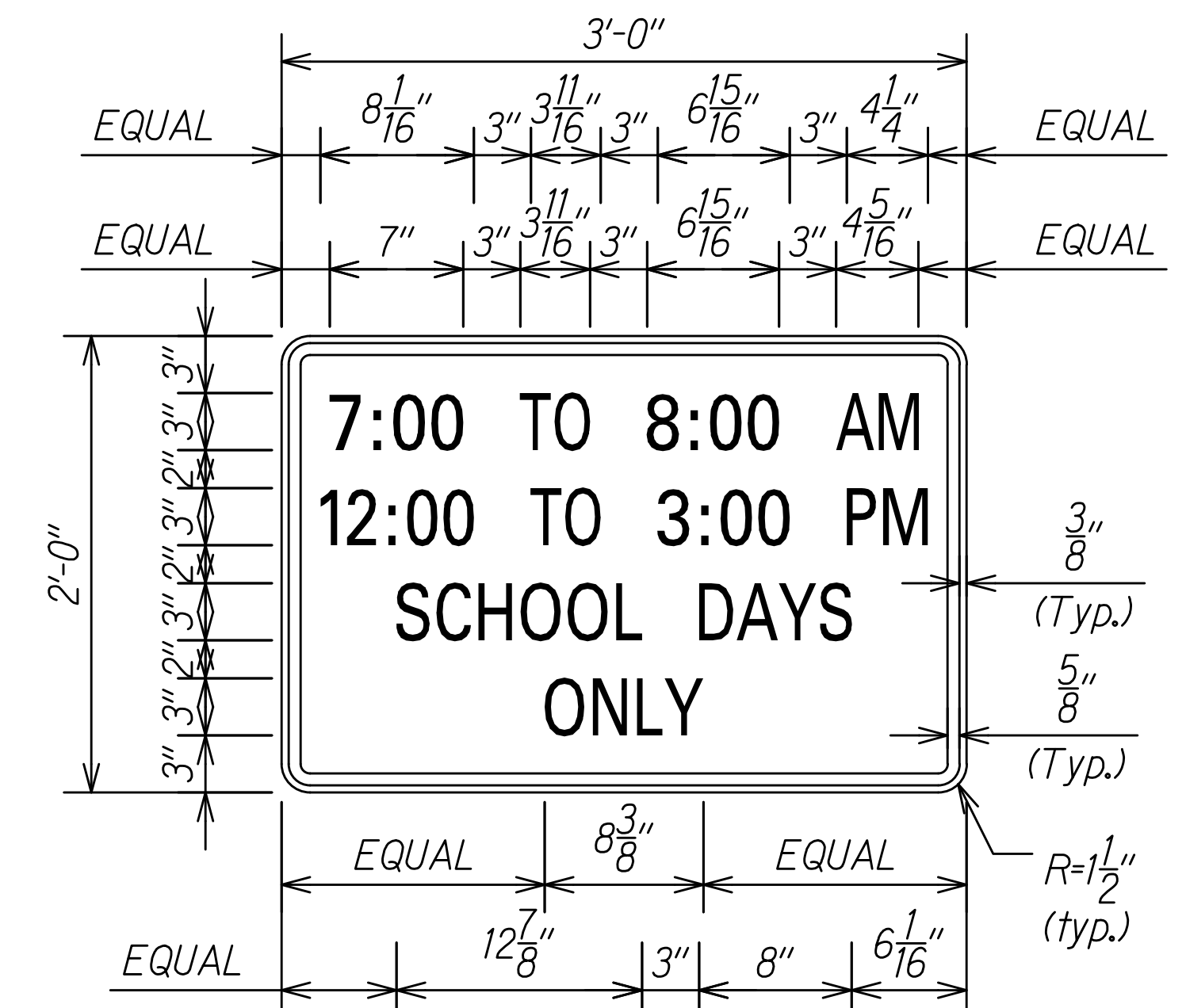
BELLOWS AFB SIGN (LEFT) (White on Green)
Not To Scale



NO CAMPING SIGN (Red on White)
Not To Scale



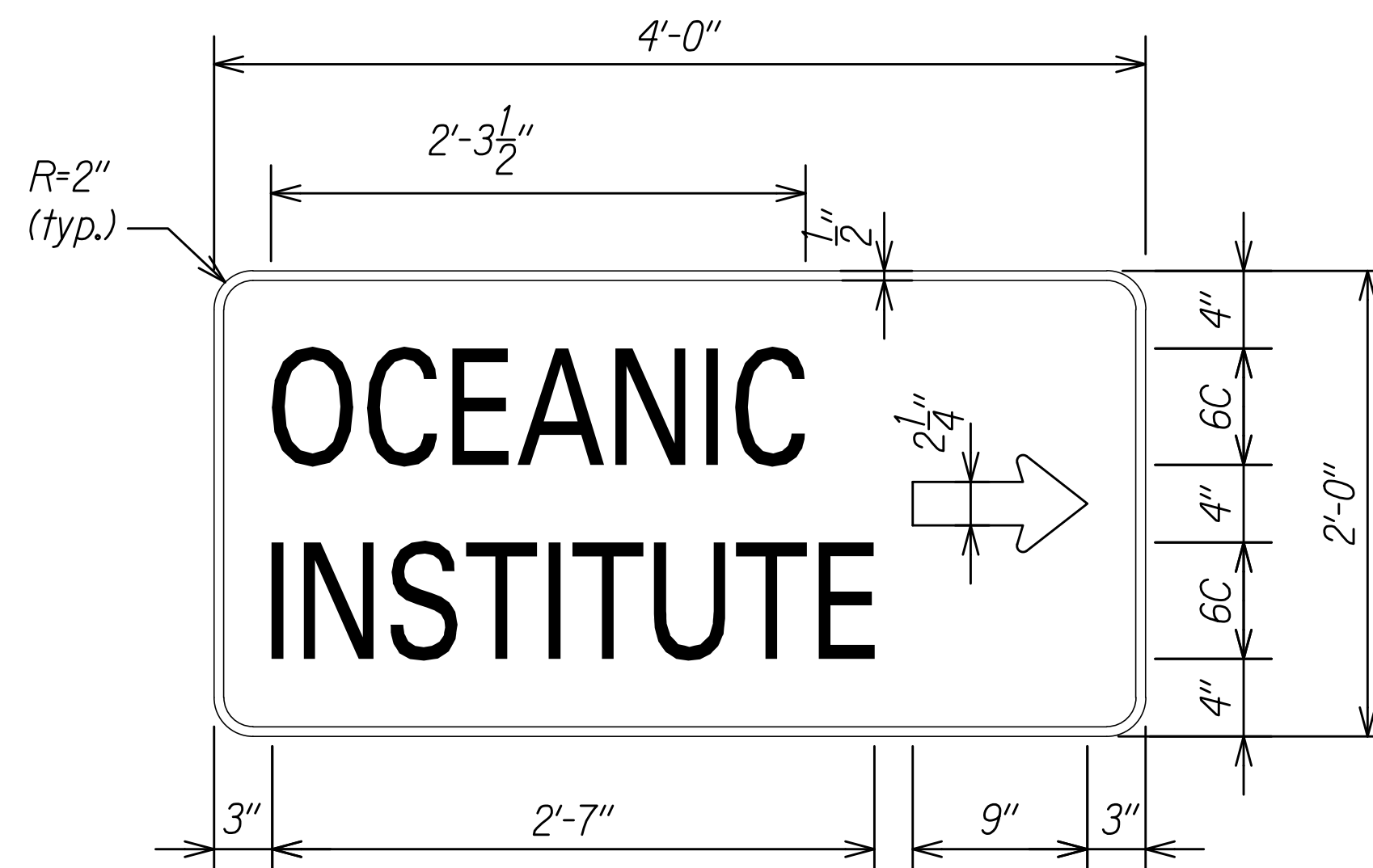
CIWT SITE SIGN (Black on White)
Not To Scale



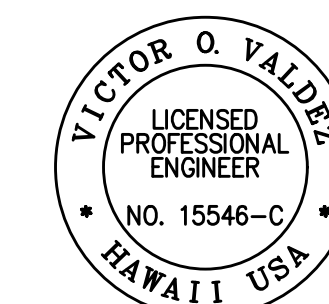
SCHOOL DAYS ONLY SIGN (Black on White)
Not To Scale



ADOPT HIGHWAY LITTER CONTROL SIGN (Blue on White)
Not To Scale



OCEANIC INSTITUTE SIGN (White on Green)
Not To Scale



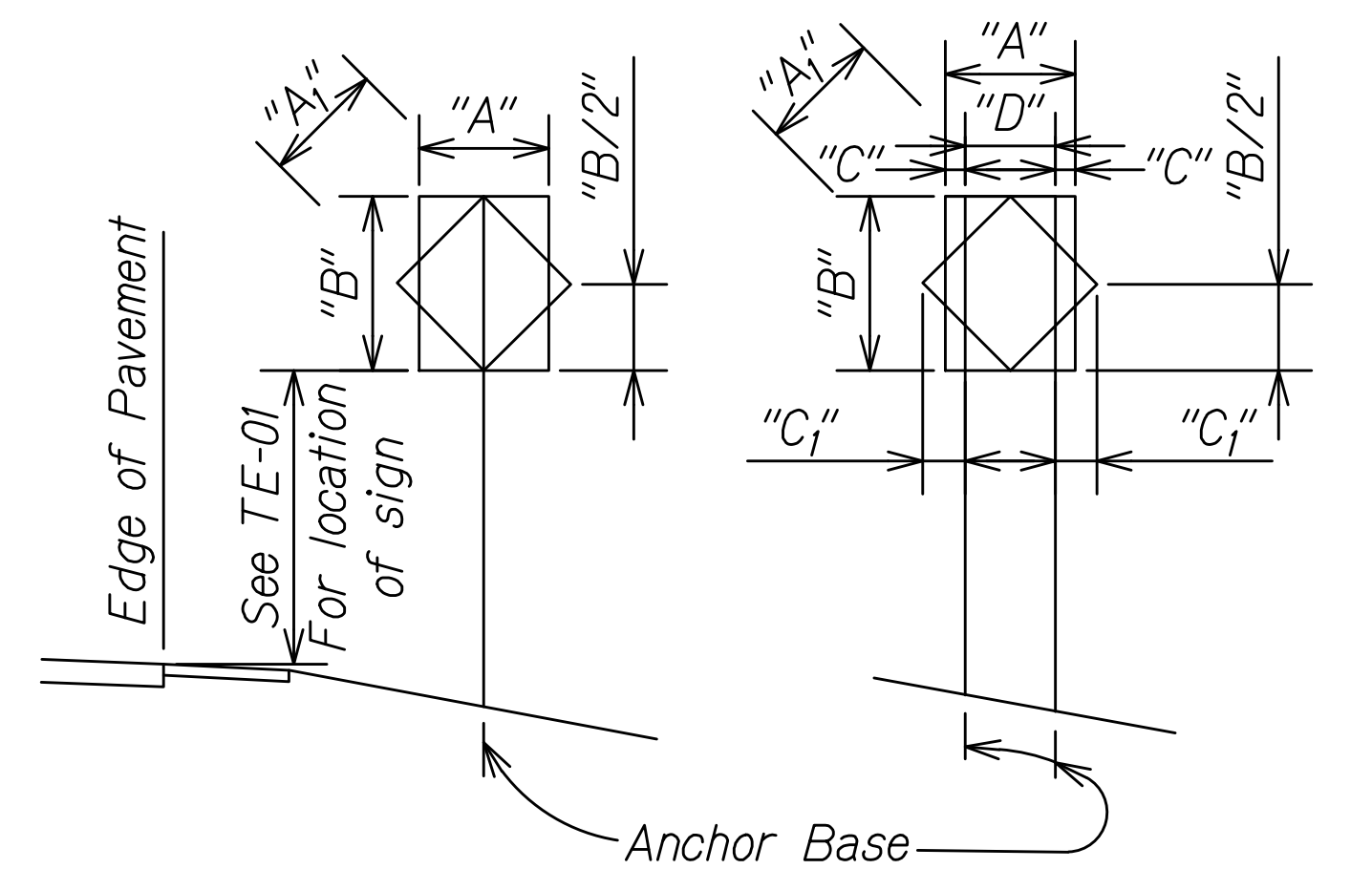
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 SIGNATURE: *[Signature]* 04/30/22
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNAGE DETAILS

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

Scale: Not to Scale Date: January 2021
 SHEET No. M45 OF 46 SHEETS

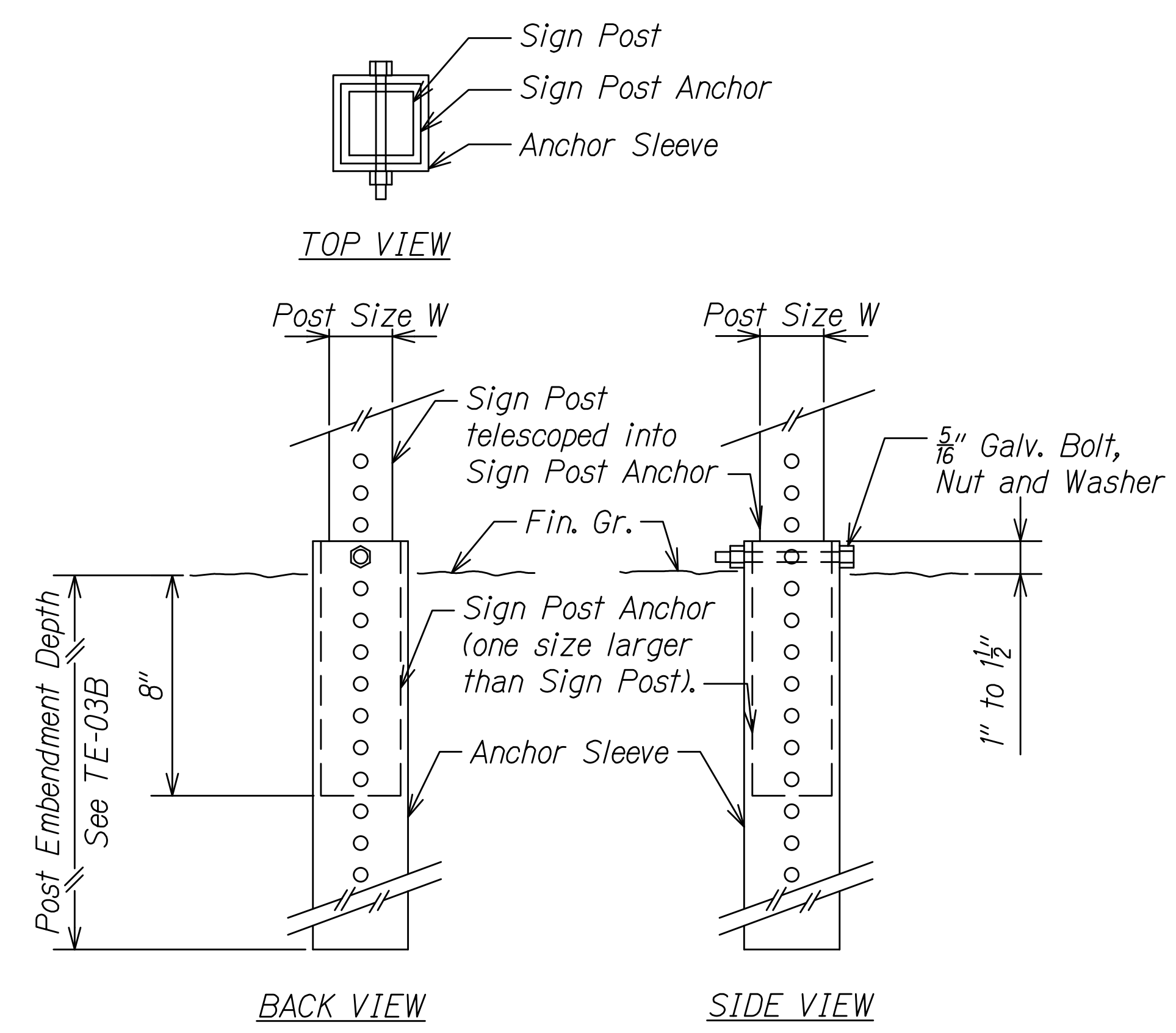


1 - POST "A" or "A₁" less than 36"
 2 - POST "A" or "A₁" less than 60"

"A" or "A ₁ "	"C"	"C ₁ "
Less than 36"	6"	-
Greater than 36" and less than 48"	9"	19"
Greater than 48"	12"	24"

NOTE:
 Frame stiffeners are required when D is greater than 24" See General Notes.

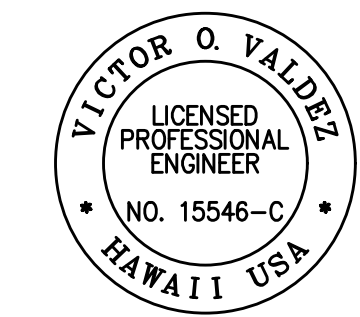
TYPICAL INSTALLATION



SIGN POST INSTALLATION
ANCHOR BASE DETAIL

GENERAL NOTES:

- Design Specifications:**
 - Design shall conform w/ the latest AASHTO Standard Specifications for the Structural Supports for Highway Signs, Luminaires & Traffic Signals and its interim supplements and modifications by the Highways Division, Department of Transportation State of Hawaii.
 - Latest HDOT Memorandum with subject title "Design Criteria for Bridges and Structures."
- Loads:**
 - Basic Wind Speed: 105 mph.
 - Recurrence Interval of 10 years.
- Materials:**
 - Post shall conform to the Standard Specifications.
 - All connection bolts shall be AASHTO M164 bolts and anchor bolts shall be AASHTO M314-105 bolt.
 - Lap splice nuts and bolts shall be M180, with an ultimate tensile strength of 180 ksi, min.
 - Aluminum members and surfaces in contact with structural steel shall be isolated with neoprene material as approved by the Engineer.
- General:**
 - See General Notes on B-01, TE-01, and TE-03B for additional information.
 - All posts shall be 12 gage unless otherwise specified or shown on the plans.
 - Square tube posts shall be perforated with 7/16" ϕ holes, 1" o.c., 4 sides, along entire length of post.
 - All accessories, fittings and stiffener details (as required) shall be submitted to the Engineer for approval 20 days prior to installation.
 - Alternate designs in accordance with the plans and specifications shall use the Service Load Design Method and shall be stamped by a registered structural engineer of the State of Hawaii and submitted to the Engineer for approval.
 - All sign support posts shall be outside of the clear zone or shielded by an appropriate traffic barrier system. The traffic barrier system shall be submitted to the Engineer for his approval.
 - The Contractor shall use templates while installing the anchor bolts. Anchor bolts shall be vertical.
 - Excavation and backfill shall be considered incidental to the cost of the sign foundation.



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

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
GALVANIZED SQUARE TUBE
SIGN POST MOUNTING
 KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE 2
 Poalima Street to Vicinity of Makai Pier
 Federal-Aid Project No. NH-072-1(059)
 Scale: Not to Scale Date: January 2021
 SHEET No. M46 OF 46 SHEETS

C:\CIVIL_3D_PROJECTS\2017_002\000_DOT_KAL_Hwy_RESURFACING_POALIMA_TO_HULLA\01_CE_DWG\46_SIGN_POST_MOUNTING.DWG 9/2/2020 6:51 PM