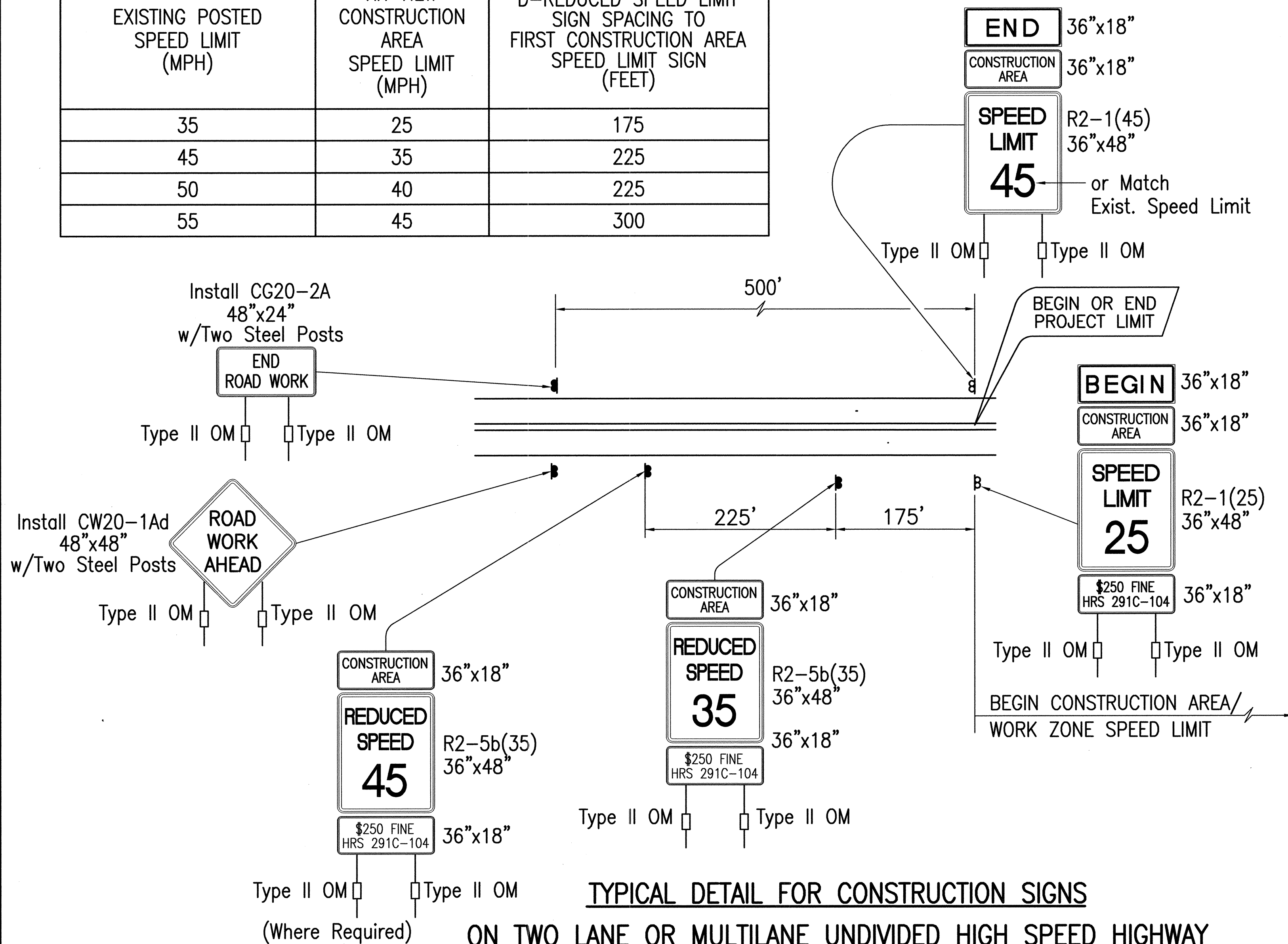


TABLE I GUIDELINE FOR ADVANCE PLACEMENT OF SPEED REDUCTION SIGN R2-5b(XX)-A, CONSTRUCTION AREA SPEED LIMIT		
EXISTING POSTED SPEED LIMIT (MPH)	XX-NEW CONSTRUCTION AREA SPEED LIMIT (MPH)	D-REDUCED SPEED LIMIT SIGN SPACING TO FIRST CONSTRUCTION AREA SPEED LIMIT SIGN (FEET)
35	25	175
45	35	225
50	40	225
55	45	300



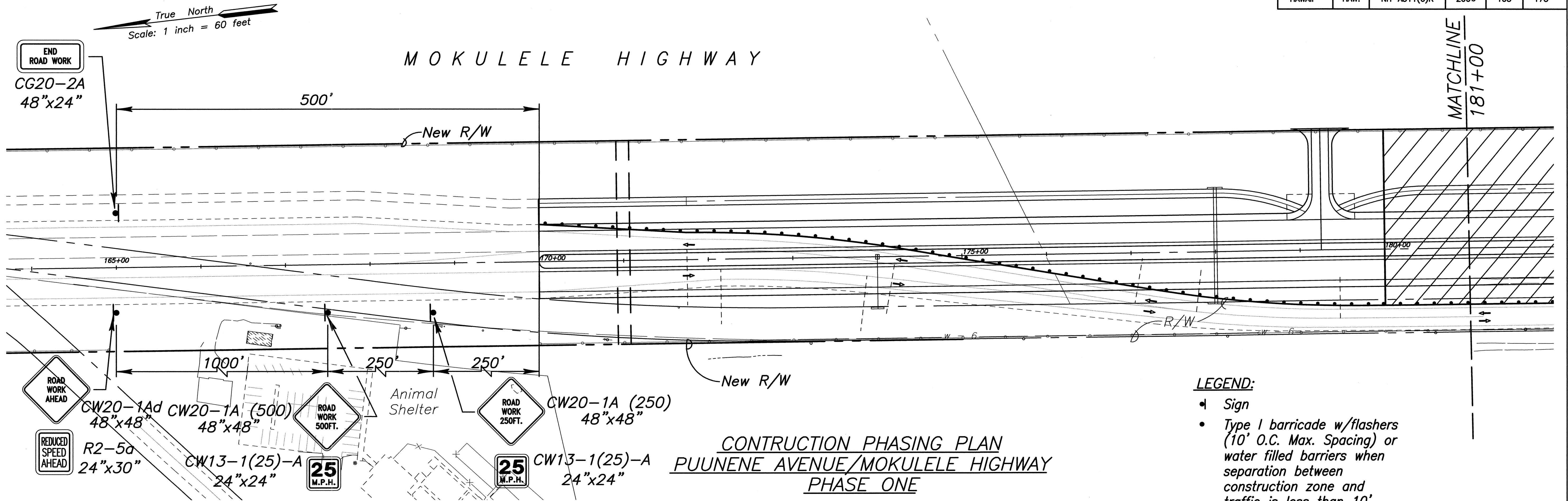
Work Zone Note:

1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
2. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(XX) and R2-5b(XX) with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs).
3. Construction sign assemblies shall be installed on both the approaching and trailing ends of each work zone as shown on this plan.
4. Each construction warning sign and work zone speed limit assembly shall have a minimum of two (2) Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 645.1000, Traffic Control.
5. Upon the completion of all physical work or as directed by the Engineer, all construction signs and work zone speed limit assemblies shall be removed. All speed limit signs and posts that were existing at the start of the project within the work zone/project limits shall be restored back to their original locations and configurations.
6. Placement of construction signs shall not obstruct the path of pedestrians and bicyclists.
7. The removal and restoration of existing regulatory speed limit signs with new posts along with the installation, maintenance and removal of work zone speed limit sign assemblies shall be considered incidental to Item No. 645.1000, Traffic Control.

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

 This work was prepared by me or under my supervision 04/30/06 EXPIRATION DATE OF THE LICENSE	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION WORK ZONE SIGNING PLAN NOTES AND DETAILS MOKULELE HIGHWAY WIDENING Maui Humane Society To Vicinity of Kolaloa Bridge Federal - Aid Project No. NH-A311(6)R Scale: NONE Date: JUNE 2005
	SHEET No. 1 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	105	173

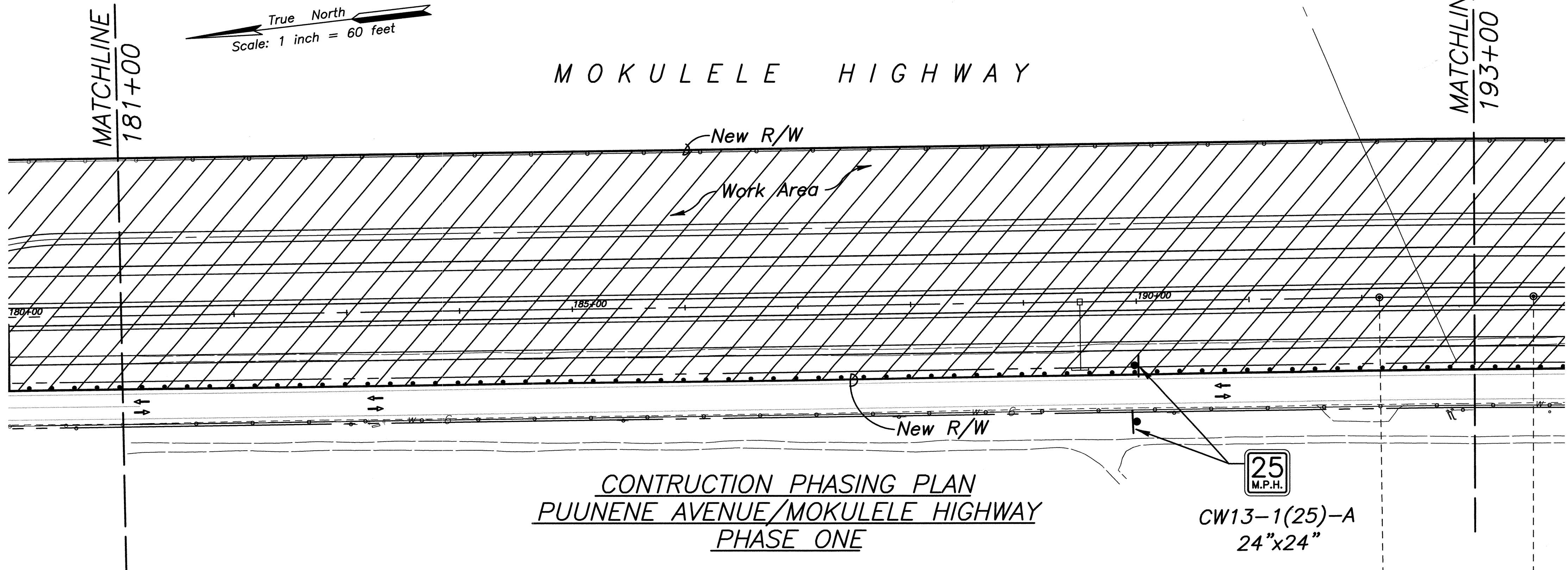


LEGEND:

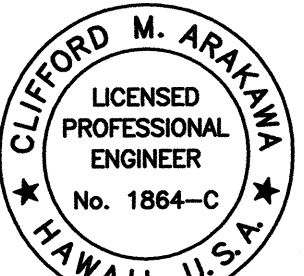
- Sign
 - Type I barricade w/flashers (10' O.C. Max. Spacing) or water filled barriers when separation between construction zone and traffic is less than 10'.
- ➡ Direction of Traffic
- ⬆ Flashing Arrow Sign
- 🚔 Police Officer/Flagger

NOTE:

- At night and/or during night work, Contractor shall use flashing barricades or barriers.
- Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
- For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
- See Sht. 104 for Work Zone Signing.



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



CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN

MOKULELE HIGHWAY WIDENING

Maui Humane Society

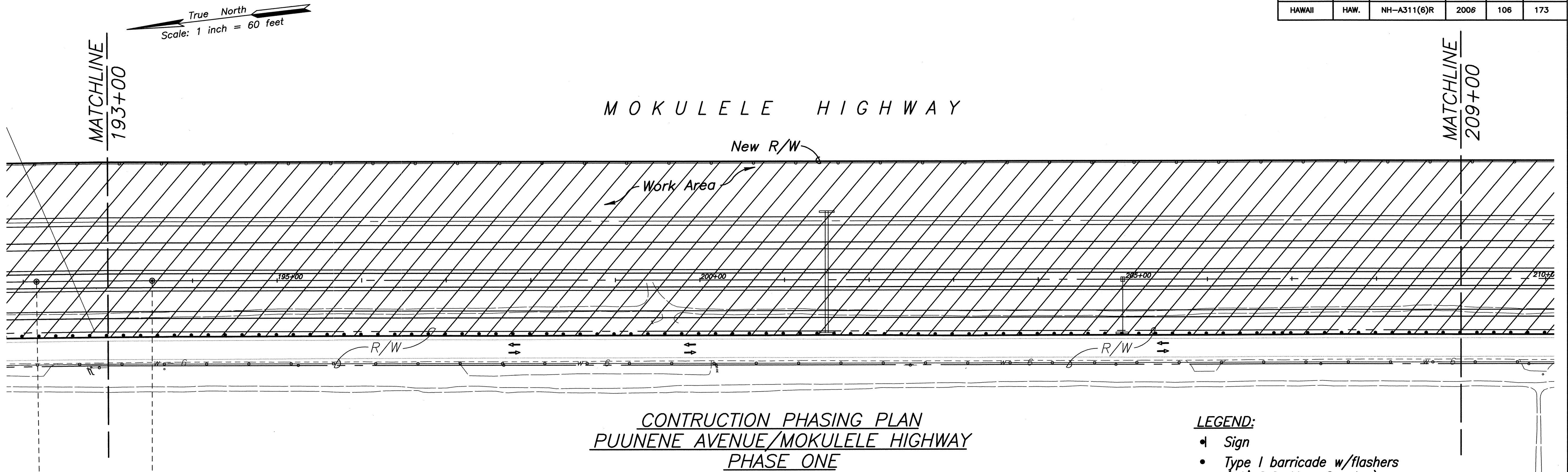
To
Vicinity of Kolaloa Bridge

Federal - Aid Project No. NH-A311(6)R

Scale: 1"=60' Date: JUNE 2005

SHEET No. 2 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	106	173

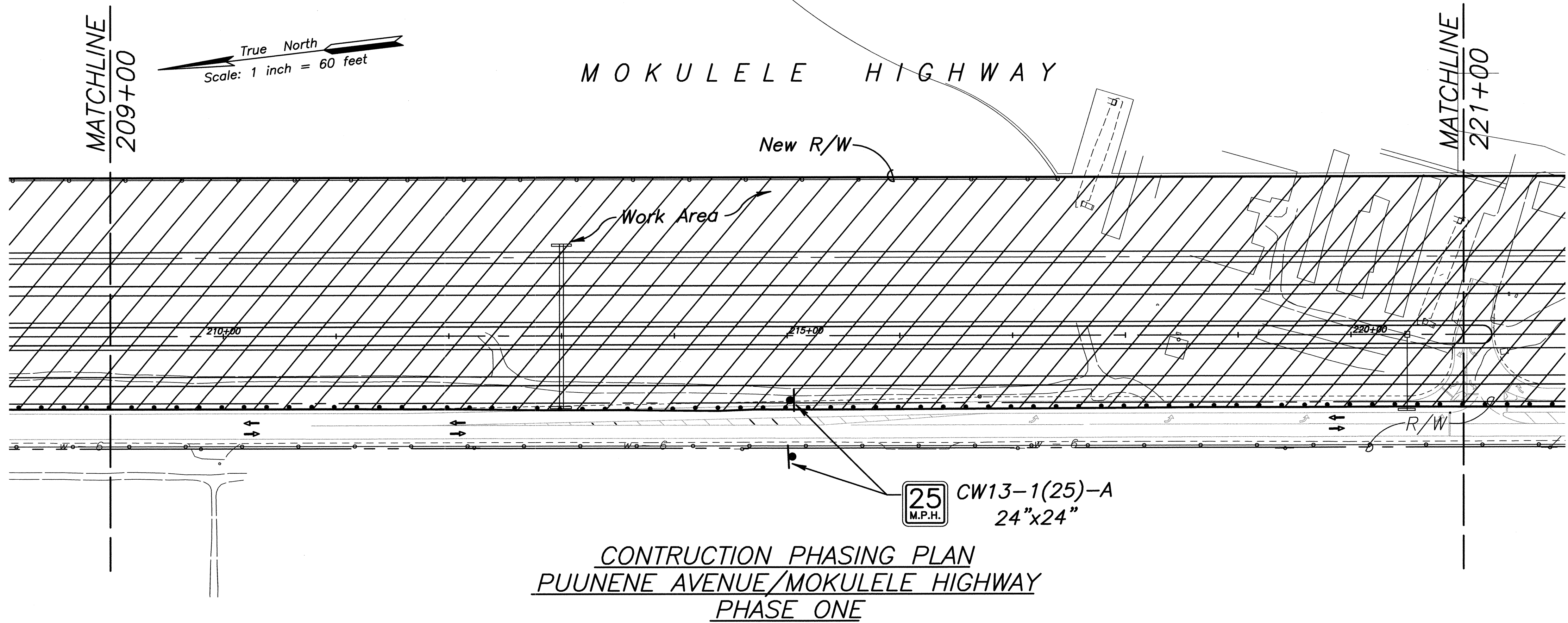


LEGEND:

- Sign
- Type I barricade w/flashers (10' O.C. Max. Spacing) or water filled barriers when separation between construction zone and traffic is less than 10'.
- Direction of Traffic
- Flashing Arrow Sign
- Police Officer/Flagger

NOTE:

- At night and/or during night work, Contractor shall use flashing barricades or barriers.
- Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
- For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
- See Sht. 104 for Work Zone Signing.



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

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
04/30/06
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

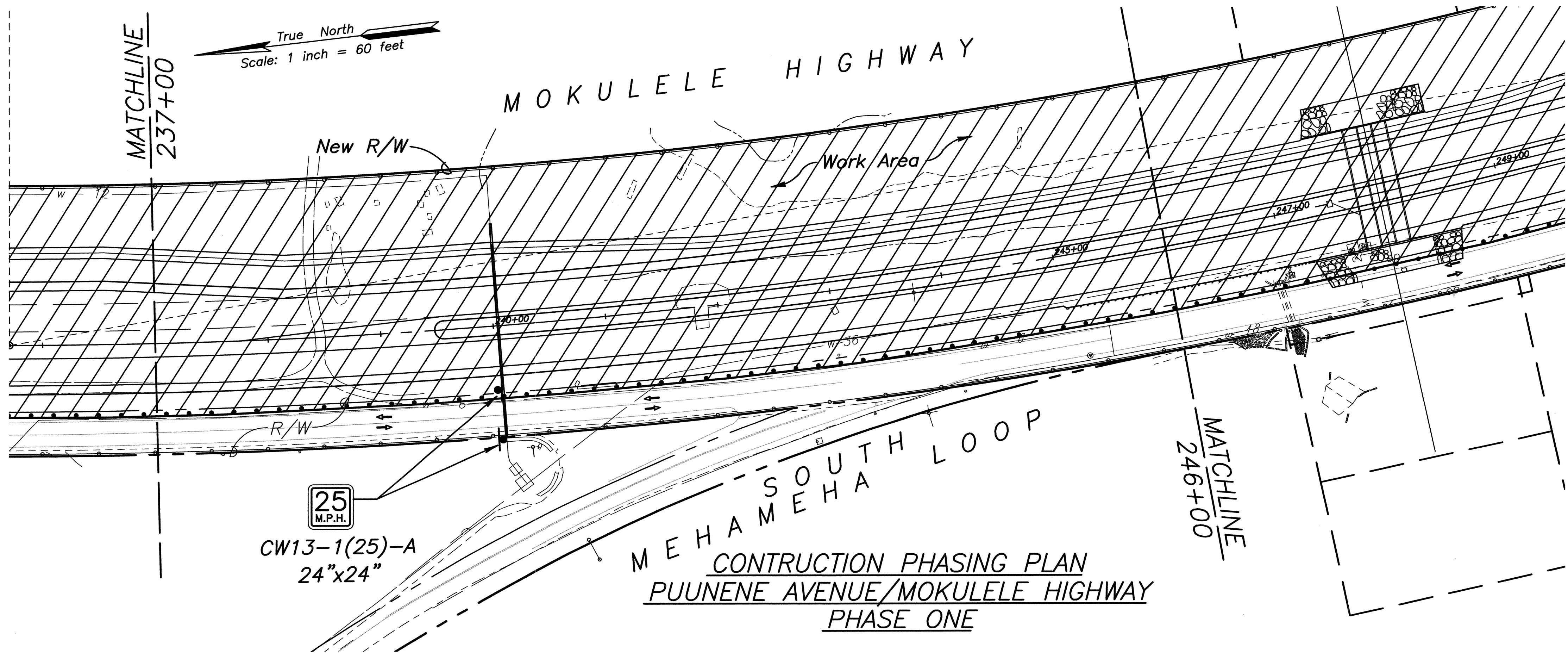
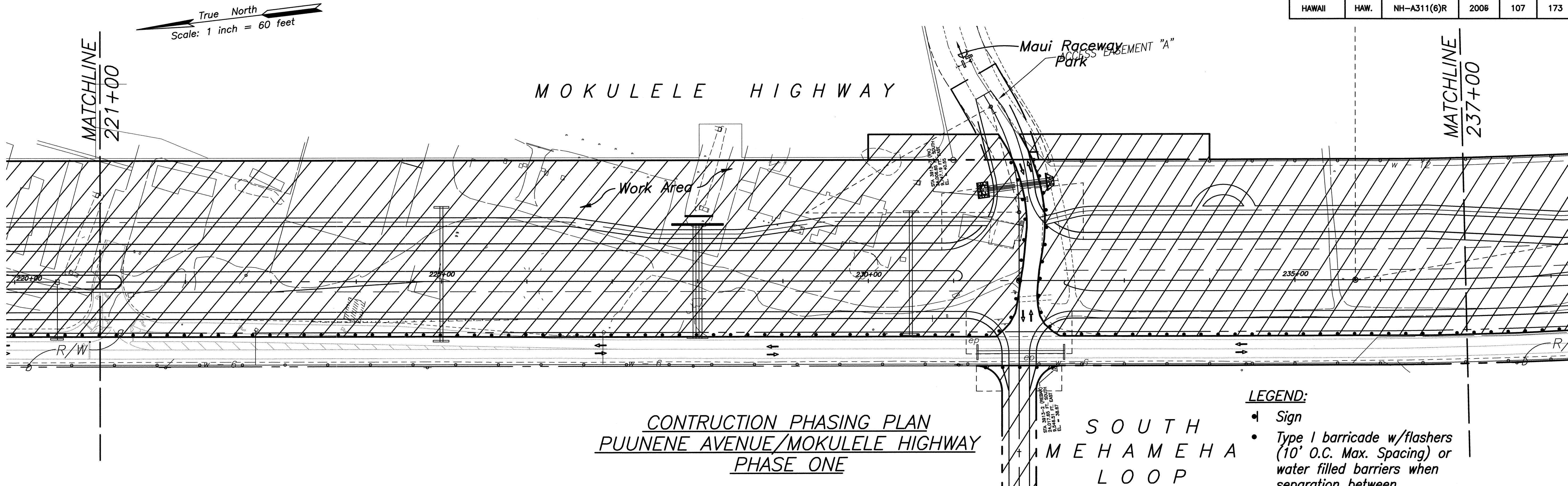
CONSTRUCTION PHASING PLAN

MOKULELE HIGHWAY WIDENING

Maui Humane Society
To
Vicinity of Kolaloa Bridge
Federal - Aid Project No. NH-A311(6)R
Scale: 1"=60' Date: JUNE 2005

SHEET No. 3 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL -- AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	107	173



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

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN

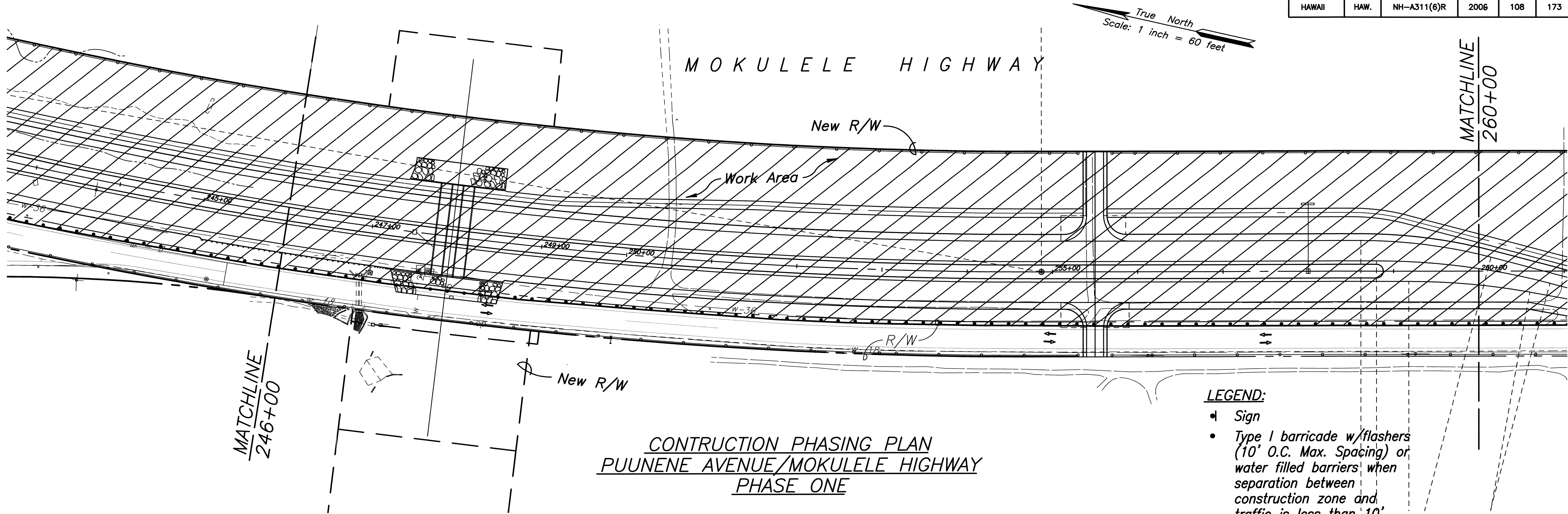
MOKULELE HIGHWAY WIDENING

Maui Humane Society
To
Vicinity of Kolaloa Bridge

Federal - Aid Project No. NH-A311(6)R
Scale: 1"=60' Date: JUNE 2005

SHEET No. 4 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	108	173



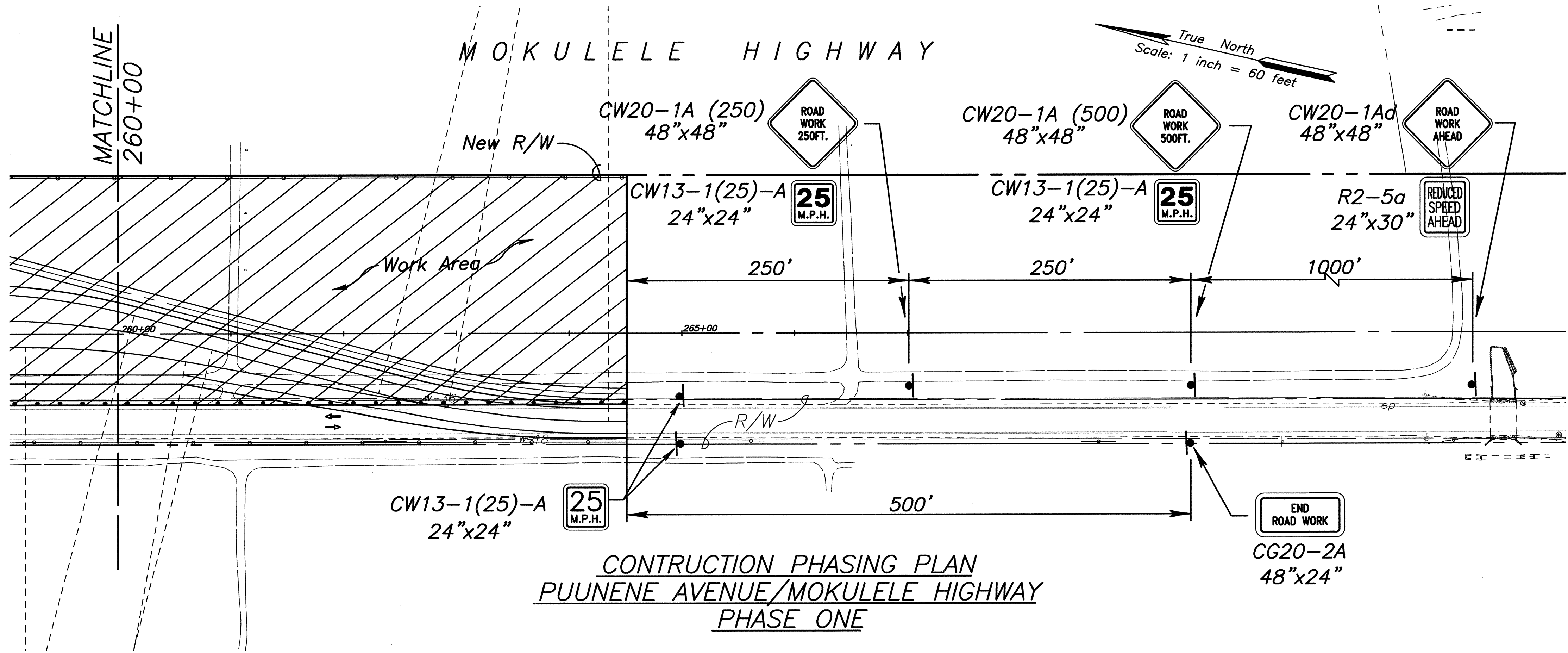
CONSTRUCTION PHASING PLAN
PUUNENE AVENUE/MOKULELE HIGHWAY
PHASE ONE

LEGEND:

- Sign
- Type I barricade w/flashers (10' O.C. Max. Spacing) or water filled barriers when separation between construction zone and traffic is less than 10'.
- Direction of Traffic
- Flashing Arrow Sign
- Police Officer/Flagger

NOTE:

- At night and/or during night work, Contractor shall use flashing barricades or barriers.
- Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
- For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
- See Sht. 104 for Work Zone Signing.



CONSTRUCTION PHASING PLAN
PUUNENE AVENUE/MOKULELE HIGHWAY
PHASE ONE

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

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN

MOKULELE HIGHWAY WIDENING

Maui Humane Society

To
Vicinity of Kolaloa Bridge

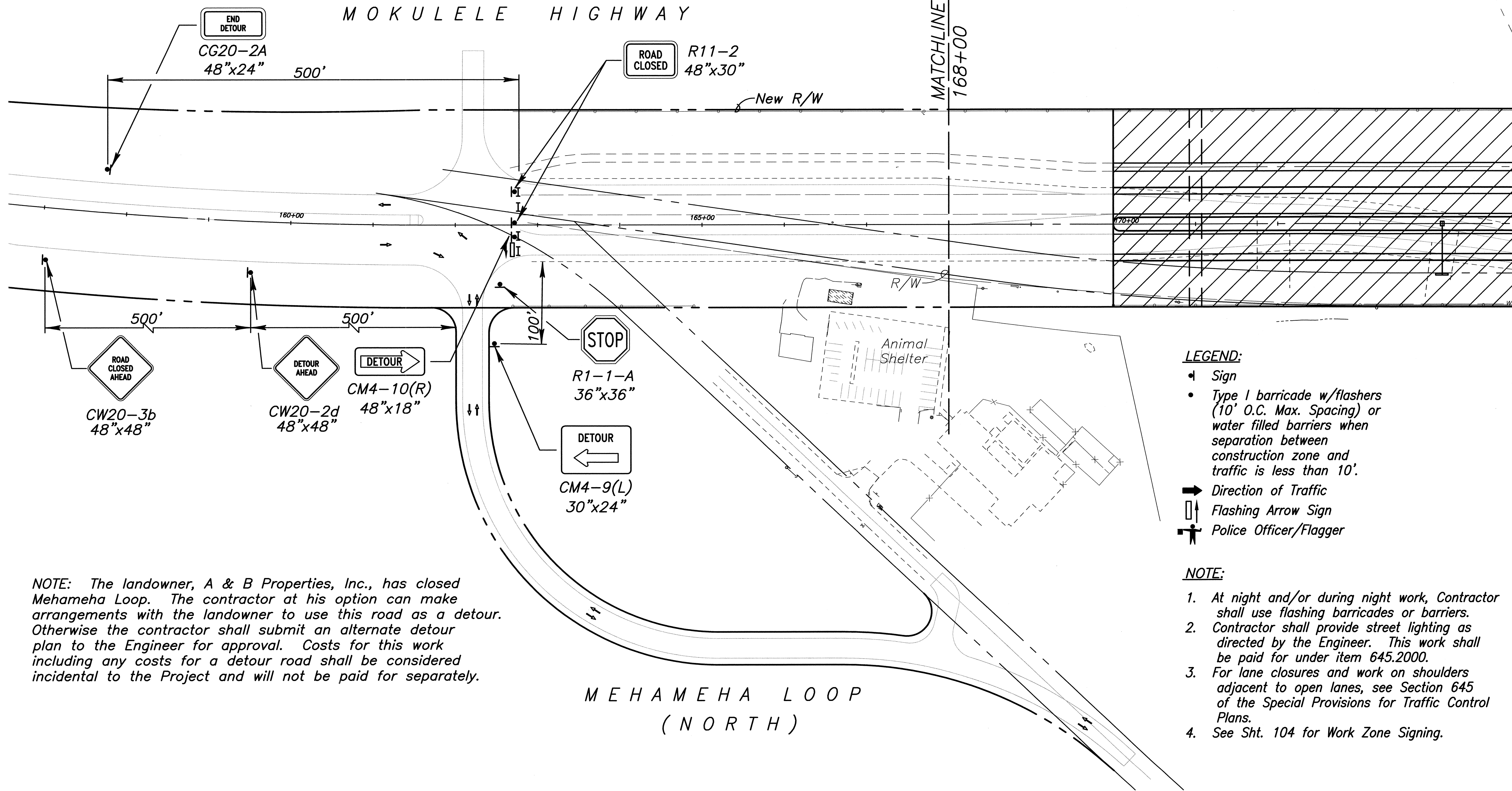
Federal - Aid Project No. NH-A311(6)R

Scale: 1"=60' Date: JUNE 2005

SHEET No. 5 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	109	173

True North
Scale: 1 inch = 60 feet



- LEGEND:**
- Sign
 - Type I barricade w/flashers (10' O.C. Max. Spacing) or water filled barriers when separation between construction zone and traffic is less than 10'.
 - Direction of Traffic
 - Flashing Arrow Sign
 - Police Officer/Flagger
- NOTE:**
- At night and/or during night work, Contractor shall use flashing barricades or barriers.
 - Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
 - For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
 - See Sht. 104 for Work Zone Signing.

NOTE: The landowner, A & B Properties, Inc., has closed Mehameha Loop. The contractor at his option can make arrangements with the landowner to use this road as a detour. Otherwise the contractor shall submit an alternate detour plan to the Engineer for approval. Costs for this work including any costs for a detour road shall be considered incidental to the Project and will not be paid for separately.

CONSTRUCTION PHASING PLAN
PUUNENE AVENUE/MOKULELE HIGHWAY
PHASE TWO

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
04/30/06
EXPIRATION DATE OF THE LICENSE

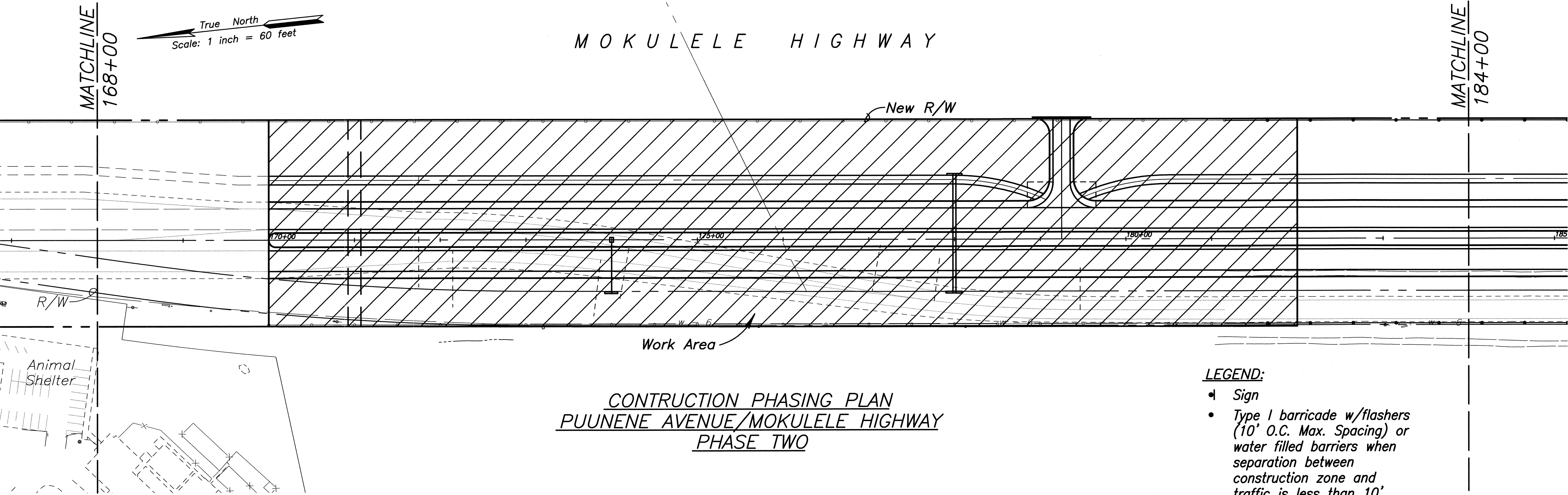
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN
MOKULELE HIGHWAY WIDENING
Maui Humane Society
To
Vicinity of Kolaloa Bridge
Federal - Aid Project No. NH-A311(6)R
Scale: AS NOTED Date: JUNE 2005

SHEET No. 6 OF 12 SHEETS

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

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	110	173



LEGEND:

- Sign
- Type I barricade w/flashers (10' O.C. Max. Spacing) or water filled barriers when separation between construction zone and traffic is less than 10'.
- ➔ Direction of Traffic
- ⬆ Flashing Arrow Sign
- 🚧 Police Officer/Flagger

NOTE:

1. At night and/or during night work, Contractor shall use flashing barricades or barriers.
2. Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
3. For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
4. See Sht. 104 for Work Zone Signing.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN

MOKULELE HIGHWAY WIDENING

Maui Humane Society
To
Vicinity of Kolaloa Bridge
Federal - Aid Project No. NH-A311(6)R
Scale: AS NOTED Date: JUNE 2005

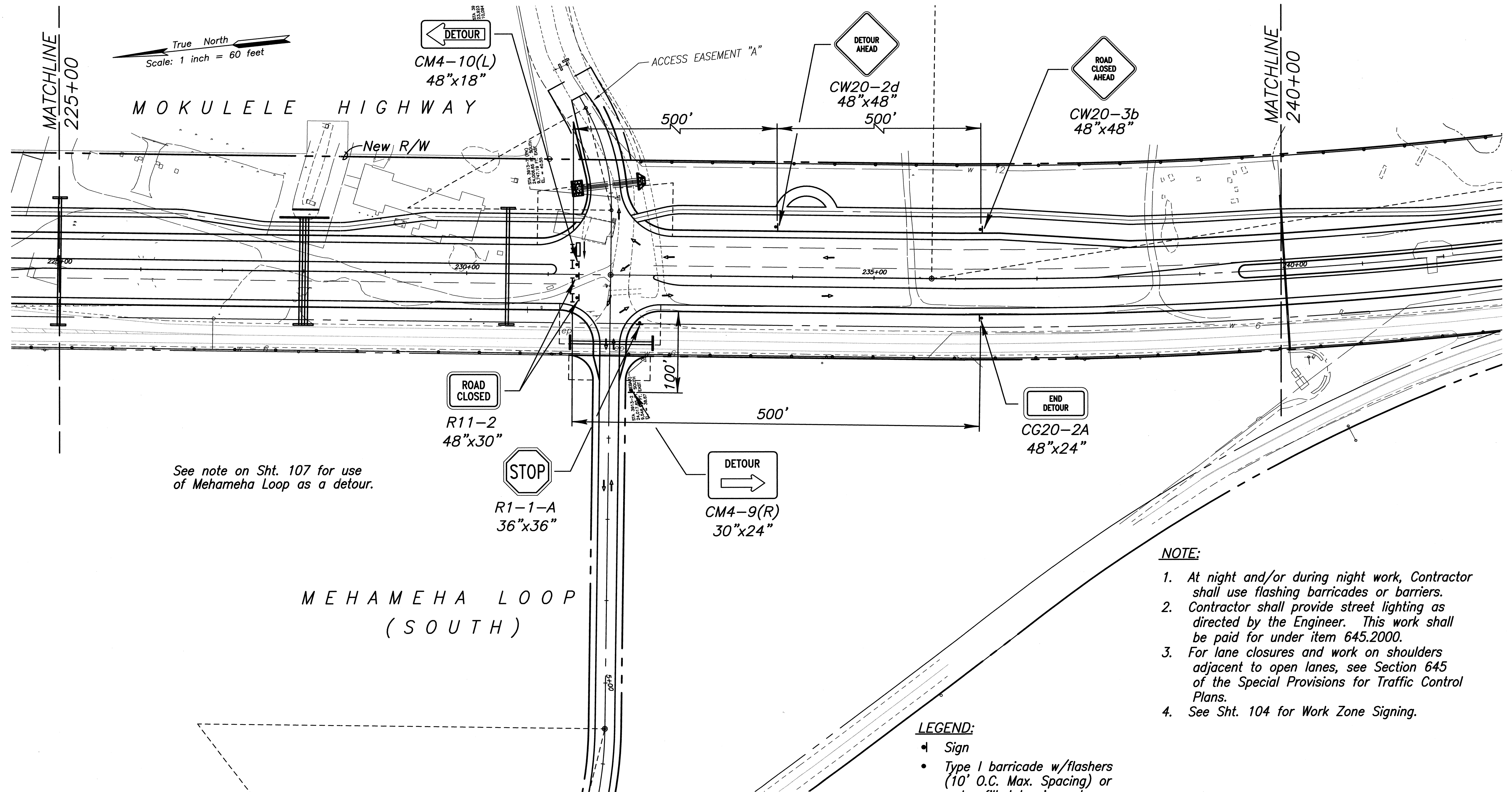
04/30/06
EXPIRATION DATE OF THE LICENSE

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

Clifford M. Arakawa
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SHEET No. 7 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	111	173



See note on Sht. 107 for use of Mehamaha Loop as a detour.

- NOTE:**
- At night and/or during night work, Contractor shall use flashing barricades or barriers.
 - Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
 - For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
 - See Sht. 104 for Work Zone Signing.

- LEGEND:**
- Sign
 - Type I barricade w/flashers (10' O.C. Max. Spacing) or water filled barriers when separation between construction zone and traffic is less than 10'.
 - Direction of Traffic
 - Flashing Arrow Sign
 - Police Officer/Flagger

**CONSTRUCTION PHASING PLAN
PUUNENE AVENUE/MOKULELE HIGHWAY
PHASE TWO**

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
No.	

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN

MOKULELE HIGHWAY WIDENING

Maui Humane Society

To
Vicinity of Kolaloa Bridge

Federal - Aid Project No. NH-A311(6)R

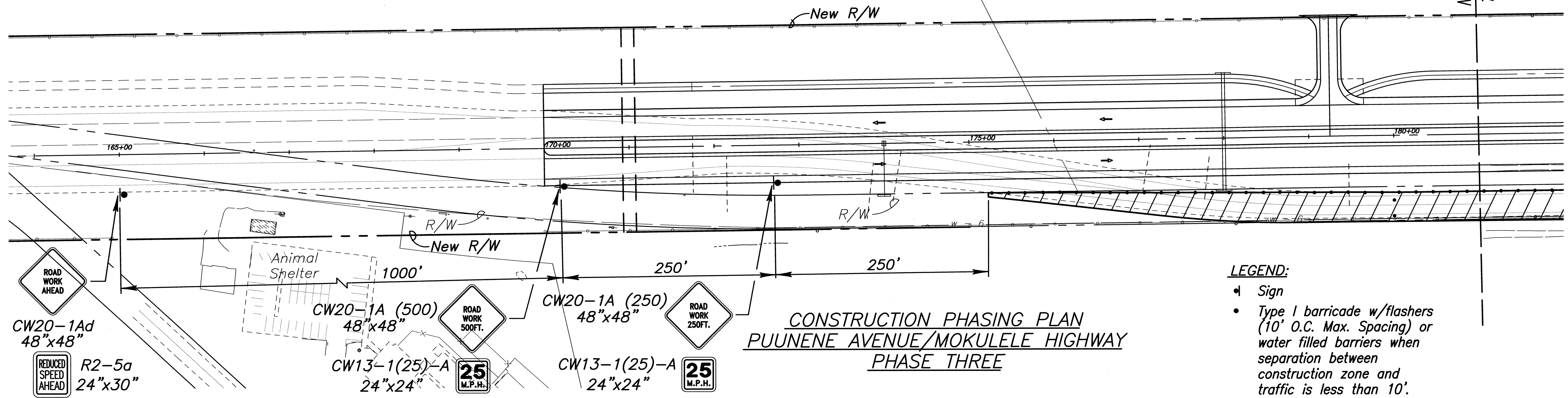
Scale: AS NOTED Date: JUNE 2005

SHEET No. 8 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	112	173

True North
Scale: 1 inch = 60 feet

MOKULELE HIGHWAY



LEGEND:

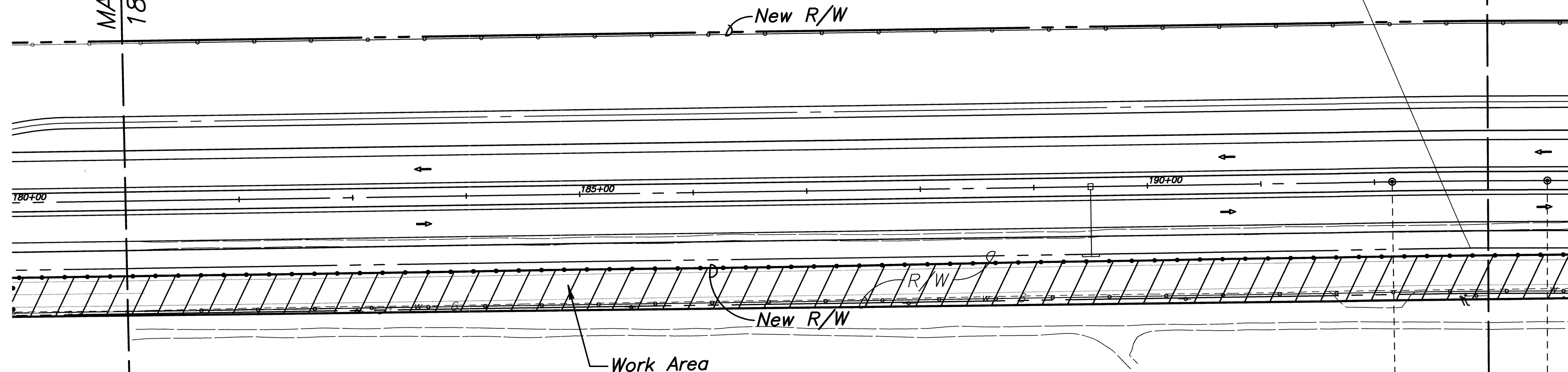
- Sign
- Type I barricade w/flashers (10' O.C. Max. Spacing) or water filled barriers when separation between construction zone and traffic is less than 10'.
- Direction of Traffic
- Flashing Arrow Sign
- Police Officer/Flagger

NOTE:

- At night and/or during night work, Contractor shall use flashing barricades or barriers.
- Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
- For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
- See Sht. 104 for Work Zone Signing.

True North
Scale: 1 inch = 60 feet

MOKULELE HIGHWAY



CONSTRUCTION PHASING PLAN PUUNENE AVENUE/MOKULELE HIGHWAY PHASE THREE

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

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
04/30/06
EXPIRATION DATE OF THE LICENSE

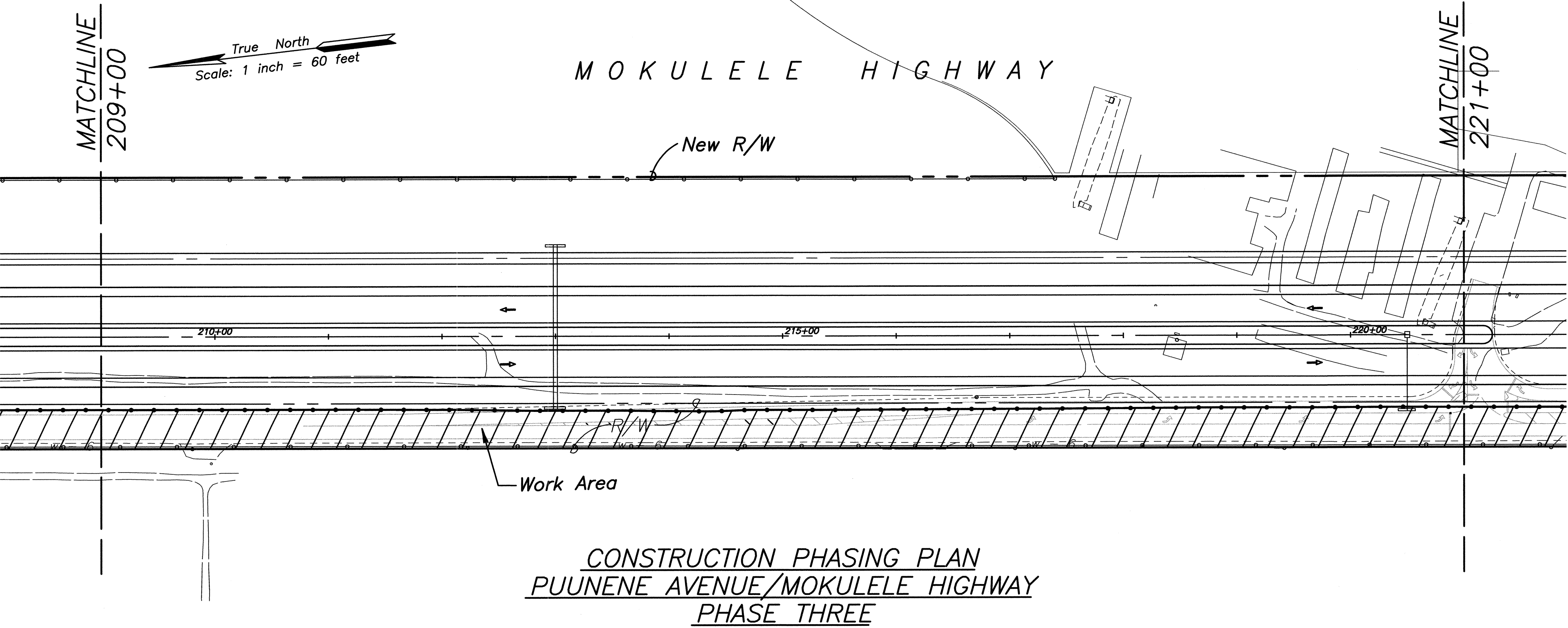
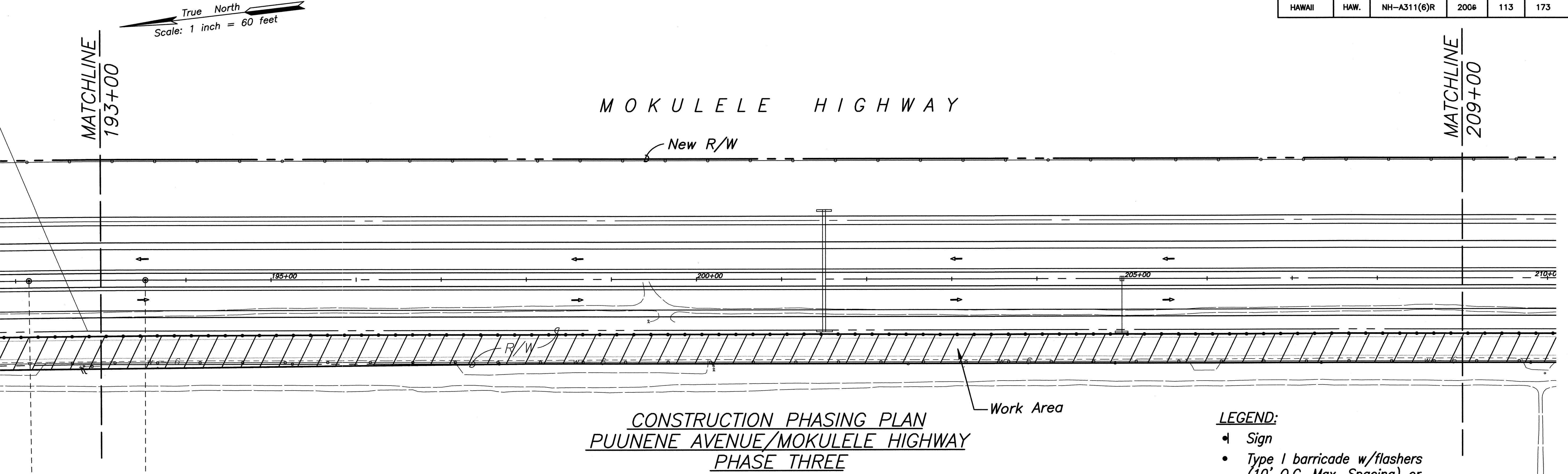
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN

MOKULELE HIGHWAY WIDENING
Maui Humane Society
To
Vicinity of Kolaloa Bridge
Federal - Aid Project No. NH-A311(6)R
Scale: AS NOTED Date: JUNE 2005

SHEET No. 9 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	113	173



LEGEND:

- Sign
- Type I barricade w/flashers (10' O.C. Max. Spacing) or water filled barriers when separation between construction zone and traffic is less than 10'.
- Direction of Traffic
- Flashing Arrow Sign
- Police Officer/Flagger

NOTE:

- At night and/or during night work, Contractor shall use flashing barricades or barriers.
- Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
- For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
- See Sht. 104 for Work Zone Signing.

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
04/30/06
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

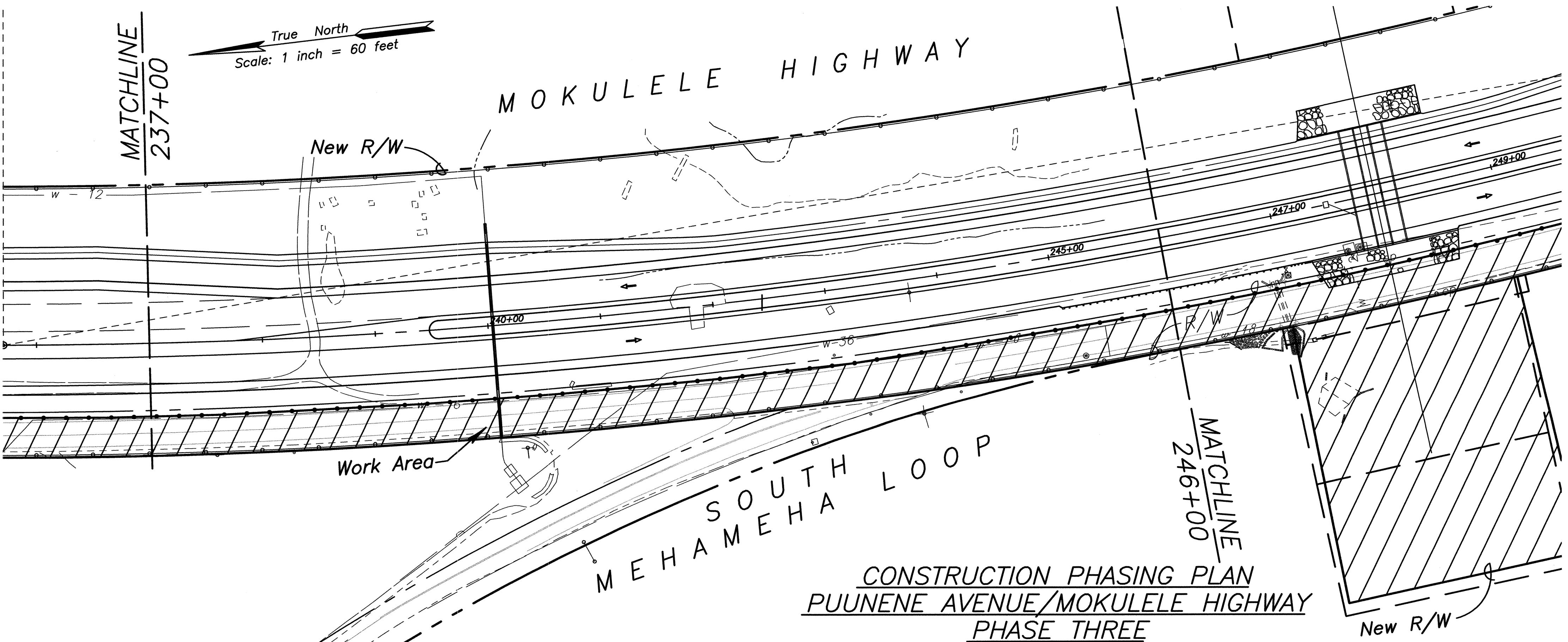
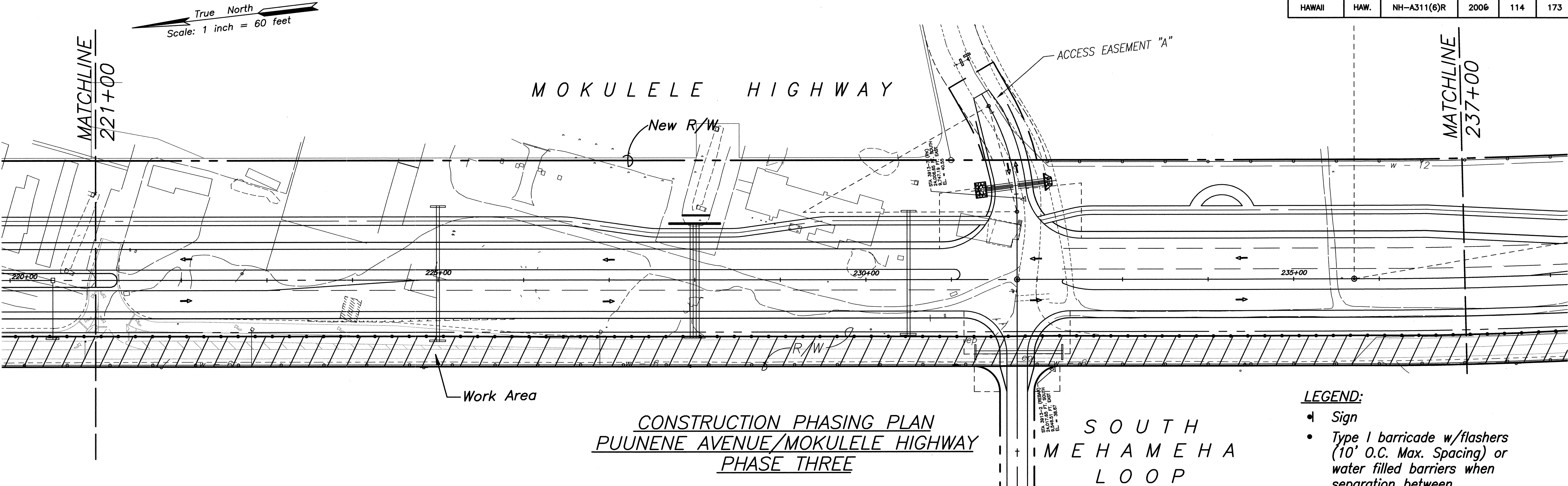
CONSTRUCTION PHASING PLAN

MOKULELE HIGHWAY WIDENING

Maui Humane Society
To
Vicinity of Kolaloa Bridge
Federal - Aid Project No. NH-A311(6)R
Scale: AS NOTED Date: JUNE 2005

SHEET No. 10 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	114	173



- NOTE:
- At night and/or during night work, Contractor shall use flashing barricades or barriers.
 - Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
 - For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
 - See Sht. 104 for Work Zone Signing.

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

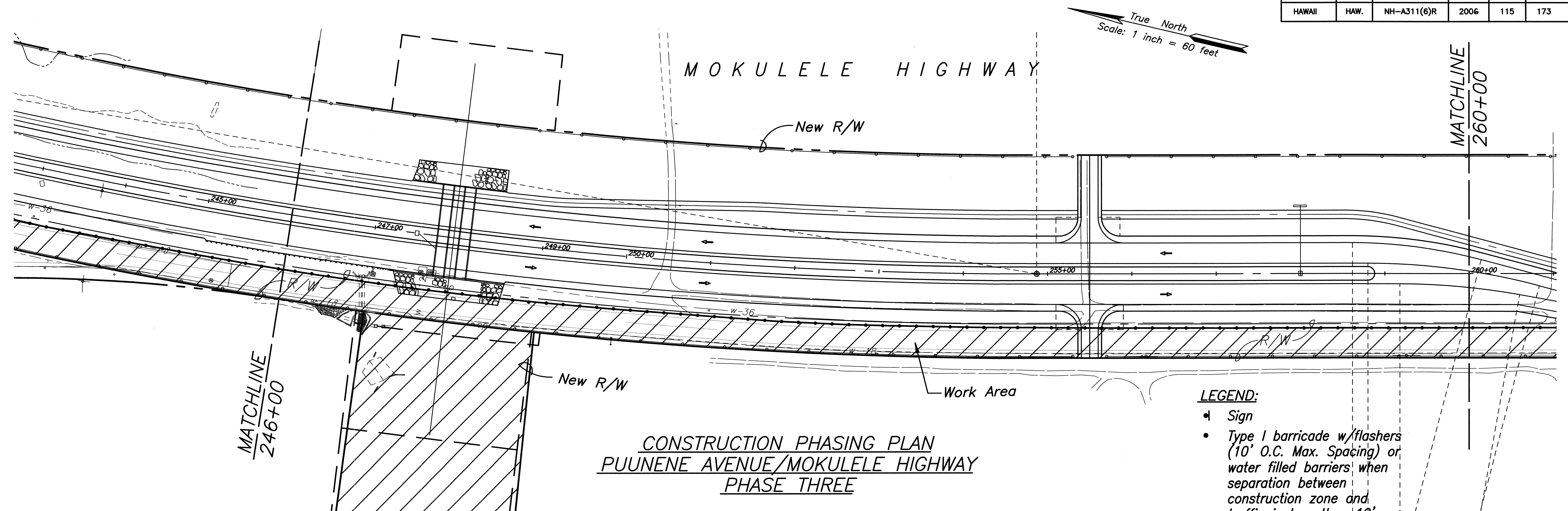
WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
04/30/06
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN
MOKULELE HIGHWAY WIDENING
Maui Humane Society
To
Vicinity of Kolaloa Bridge
Federal - Aid Project No. NH-A311(6)R
Scale: AS NOTED Date: JUNE 2005

SHEET No. 11 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(6)R	2006	115	173

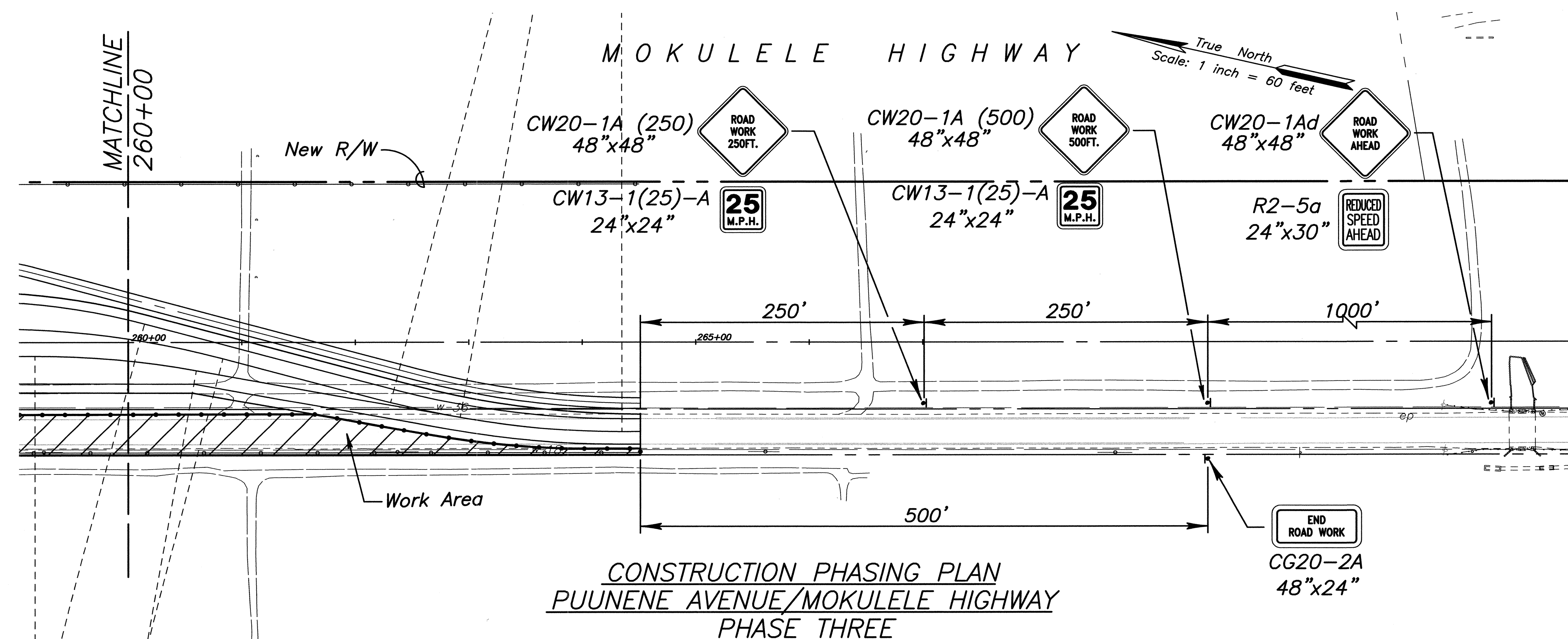


LEGEND:

- Sign
- Type I barricade w/flashers (10' O.C. Max. Spacing) or water filled barriers when separation between construction zone and traffic is less than 10'.
- ➔ Direction of Traffic
- ⬆ Flashing Arrow Sign
- ⬆ Police Officer/Flagger

NOTE:

1. At night and/or during night work, Contractor shall use flashing barricades or barriers.
2. Contractor shall provide street lighting as directed by the Engineer. This work shall be paid for under item 645.2000.
3. For lane closures and work on shoulders adjacent to open lanes, see Section 645 of the Special Provisions for Traffic Control Plans.
4. See Sht. 104 for Work Zone Signing.



	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
	CONSTRUCTION PHASING PLAN	
	MOKULELE HIGHWAY WIDENING	
	Maui Humane Society To Vicinity of Kolaloa Bridge Federal - Aid Project No. NH-A311(6)R Scale: AS NOTED Date: JUNE 2005	
EXPIRATION DATE OF THE LICENSE 04/30/06		SHEET No. 12 OF 12 SHEETS