





501 SUMNER STREET, SUITE 521  
HONOLULU, HAWAII 96817

PHONE: 808-533-3646  
FAX: 808-526-1267

TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY

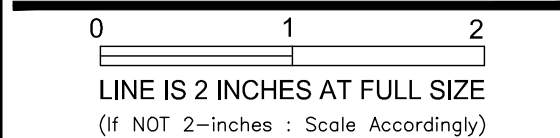
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII

TAX MAP KEY: (1) 9-1-013  
PREPARED FOR: HAWAII COMMUNITY DEVELOPMENT AUTHORITY


**AUSTIN, TSUTSUMI & ASSOC., INC.**  
 ENGINEERS, SURVEYORS • HONOLULU, HAWAII

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

SIGNATURE \_\_\_\_\_ APRIL 30, 2020  
EXP. DATE OF THE LICENSE

[illegible]

Project No: 18-029

Scale: 1" = 40'

Date: 7/18/2019

Designed By:

Drawn By: JK

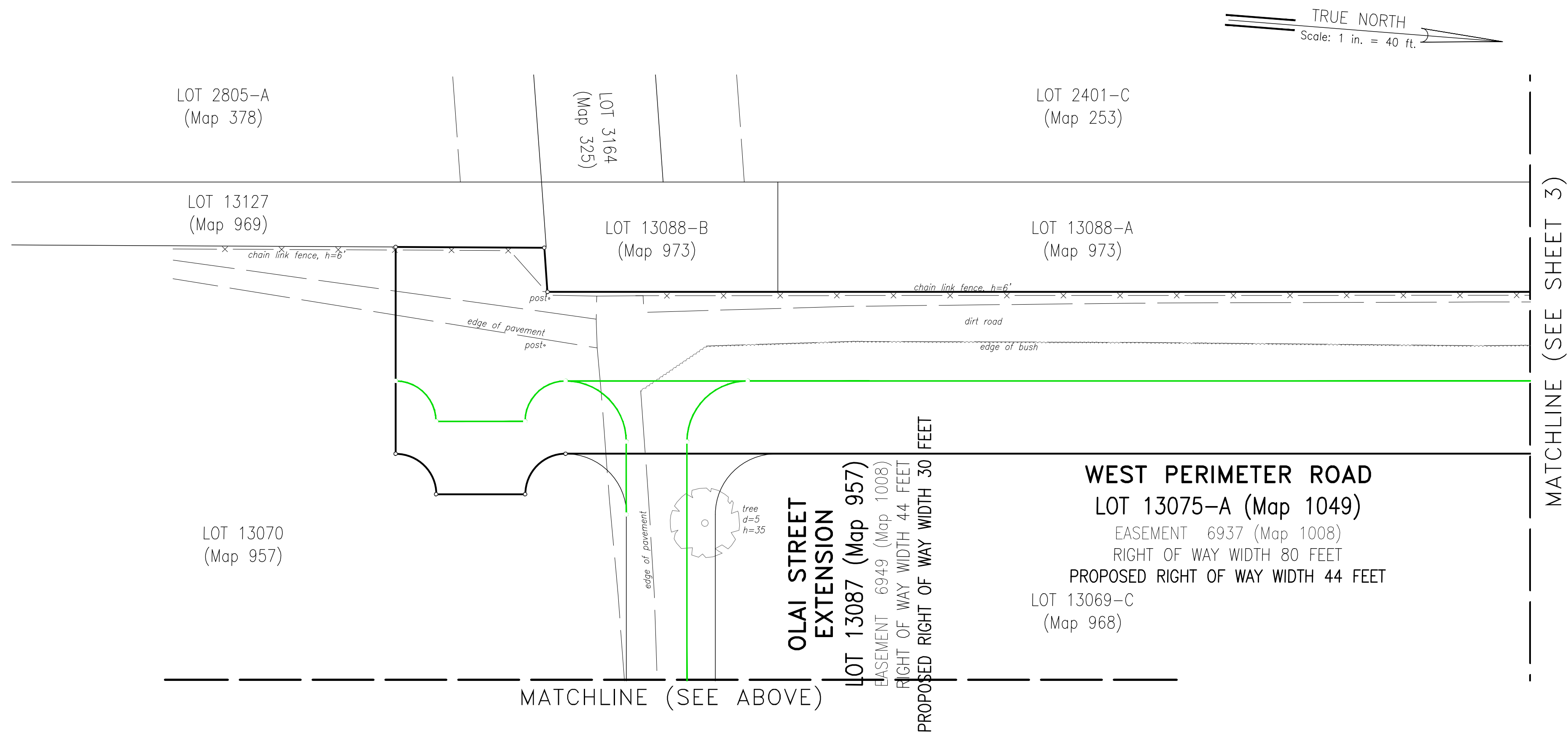
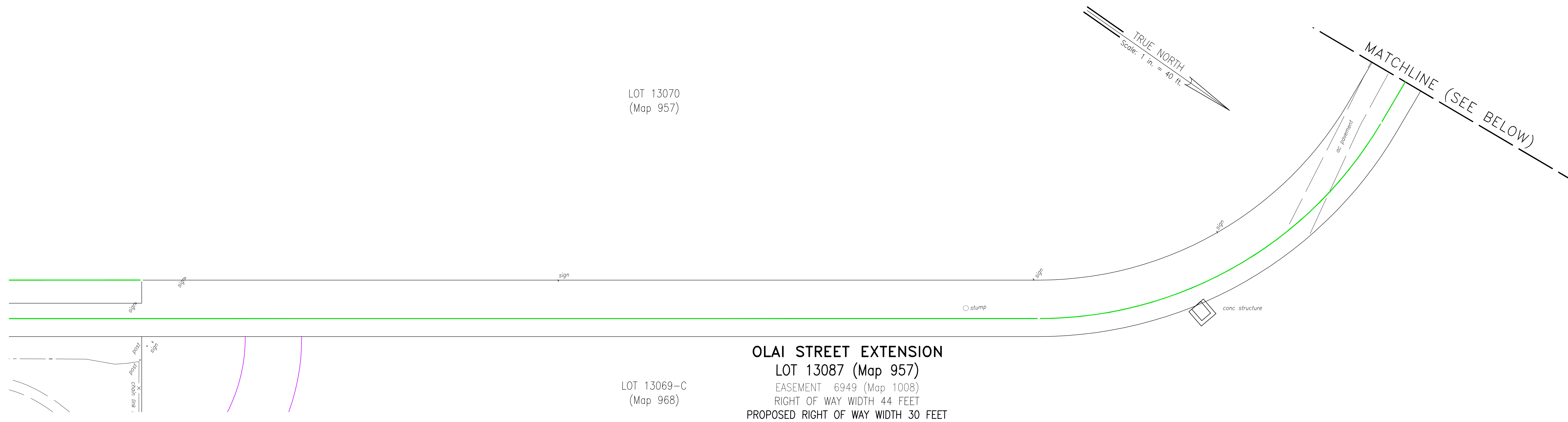
Checked By: Ek

DWG. NO.

# T-2

SHEET 2 OF 54

|      |        |        |     |
|------|--------|--------|-----|
| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|



ABBREVIATIONS:

|       |                       |
|-------|-----------------------|
| ac    | asphalt concrete      |
| arv   | air release valve     |
| bc    | bottom curb           |
| bfp   | back flow preventer   |
| cabx  | cable television box  |
| catv  | cable television      |
| cbmh  | catch basin manhole   |
| conc. | concrete              |
| comm. | communication manhole |
| d     | diameter              |
| di    | drain inlet           |
| ebx   | electric box          |
| elec. | electric              |
| elev  | elevation             |
| emh   | electric manhole      |
| fh    | fire hydrant          |
| fd.   | found                 |

|       |                         |
|-------|-------------------------|
| gp    | gate post/guy post      |
| gw    | guy wire                |
| h     | height                  |
| mh    | manhole                 |
| pav't | pavement                |
| pbx   | panel box               |
| pvc   | polyvinyl chloride      |
| ref   | reflector               |
| rpm   | raised pavement marking |
| sc    | sewer chimney           |
| sl    | street light            |
| slbx  | street light box        |
| sdmh  | storm drain manhole     |
| smh   | sewer manhole           |
| sta   | station                 |
| s/w   | sidewalk                |

gp  
gw  
h  
mh  
pav't  
pbx  
pvc  
ref  
rpm  
sc  
sl  
slbx  
sdmh  
smh  
sta  
s/w

gate post/guy post  
guy wire  
height  
manhole  
pavement  
panel box  
polyvinyl chloride  
reflector  
raised pavement marking  
sewer chimney  
street light  
street light box  
storm drain manhole  
sewer manhole  
station  
sidewalk

|        |                                |
|--------|--------------------------------|
| tc     | top curb                       |
| tebx   | telephone box                  |
| temh   | telephone manhole              |
| tsl    | traffic signal light           |
| tslb   | traffic signal light box       |
| tvbx   | television box                 |
| trans. | transformer                    |
| typ.   | typical                        |
| up     | utility pole                   |
| up/sl  | utility pole with street light |
| wm     | water meter                    |
| wmh    | water manhole                  |
| wv     | water valve                    |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

LEGEND:

- |                                                                                       |                                      |
|---------------------------------------------------------------------------------------|--------------------------------------|
|  | HCDA Proposed Right of Way           |
|  | Existing Right of Way                |
|  | Kapolei Adjoining Boundary           |
|  | Kalaheoa Master Plan New Road        |
|  | Proposed Right of Way Plan by Others |
|  | Overhead Electrical Line             |
|  | Asphalt Road Crosses Existing ROW    |

- |                                                                                       |                  |
|---------------------------------------------------------------------------------------|------------------|
|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |







Y:\2018\18-029\SURVEY\DWG\ADJUSTED 18-029 KALAELOA RIGHT OF WAY TOPO.DWG  
JOB NO. 19-300 DATE: 03/119

MATCHLINE (SEE SHEET 3)

MATCHLINE (SEE ABOVE)

MATCHLINE (SEE BELOW)

MATCHLINE (SEE SHEET 5)

LOT 2489-A  
(Map 373)

LOT 13088-A  
(Map 973)

LOT 13069-B  
(Map 968)

WEST PERIMETER ROAD  
LOT 13075-A (Map 1049)  
EASEMENT 6937 (Map 1008).  
RIGHT OF WAY WIDTH 80 FEET  
PROPOSED RIGHT OF WAY WIDTH 44 FEET

LOT 13069-A  
(Map 968)

LAKE CHAMPLAIN STREET

TRUE NORTH  
Scale: 1 in. = 40 ft.

LOT 2489-A  
(Map 373)

LOT 13088-A  
(Map 973)

LOT 2489-B-2  
(Map 974)

LOT 425-C-2  
(Map 373)

LOT 3802-B  
(Map 974)

LOT 3802-C  
(Map 974)

LOT 13089  
(Map 957)

LOT 13075-C (Map 1049)  
EASEMENT 773 (Map 252)

LOT 13069-A  
(Map 968)

MALAKOLE STREET  
EXTENSION  
LOT 13084 (Map 957)  
EASEMENT 6946 (Map 1008)

LOT 13084  
(Map 957)

WEST PERIMETER ROAD  
LOT 13075-A (Map 1049)  
EASEMENT 6937 (Map 1008)  
RIGHT OF WAY WIDTH 80 FEET  
LOT 13068  
(Map 957)

KAMOKILA BOULEVARD  
EXTENSION

TRUE NORTH  
Scale: 1 in. = 40 ft.

ABBREVIATIONS:

|       |                       |       |                         |        |                                |
|-------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
| arv   | air release valve     | gw    | guy wire                | tebx   | telephone box                  |
| bc    | bottom curb           | h     | height                  | temh   | telephone manhole              |
| bfp   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| cstv  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc. | concrete              | ref   | reflector               | typ.   | typical                        |
| comm. | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di    | drain inlet           | sl    | street light            | wm     | water meter                    |
| ebx   | electric box          | slbx  | street light box        | wmh    | water manhole                  |
| elec. | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| fn.   | found                 |       |                         |        |                                |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW" Δ.

LEGEND:

|  |                                      |  |                  |
|--|--------------------------------------|--|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaeloa Master Plan New Road        |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |



AustinTsutsumi  
& ASSOCIATES, INC.  
CIVIL ENGINEERS I SURVEYORS  
HONOLULU I WAILUKU I HILO, HAWAII

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KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY: 10 9-1-08  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY

ATA AUSTIN, TSUTSUMI & ASSOC., INC.  
ENGINEERS, SURVEYORS • HONOLULU, HAWAII



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

APRIL 30, 2020  
SIGNATURE EXP. DATE OF THE LICENSE

0 1 2  
LINE IS 2 INCHES AT FULL SIZE  
(If NOT 2-inches : Scale Accordingly)

| REVISION | DATE | BRIEF | BY |
|----------|------|-------|----|
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |

Project No: 18-029

Scale: 1" = 40'

Date: 7/18/2019

Designed By: .

Drawn By: JK

Checked By: EK

DWG. NO.

T-4

SHEET 4 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |













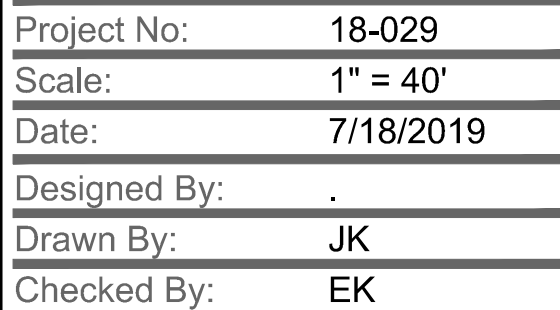
501 SUMNER STREET, SUITE 521  
HONOLULU, HAWAII 96817

TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY (1) 9-1-018  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY.

TAX MAP KEY: (1) 9-1-013

ERIK S. KANESHIRO  
 LICENSED  
 PROFESSIONAL  
 LAND SURVEYOR  
 No. 9826  
 HAWAII, U.S.A.

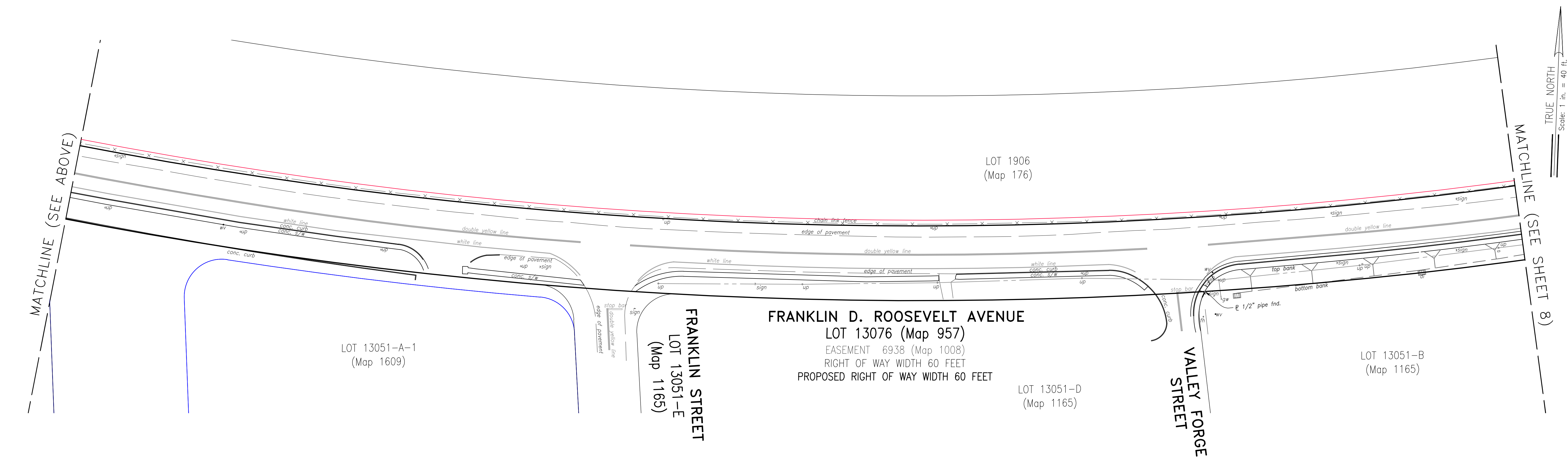
SIGNATURE \_\_\_\_\_ APRIL 30, 2020  
EXP. DATE OF THE LICENSE



T-7

SHEET 7 OF 54

|      |        |        |     |
|------|--------|--------|-----|
| FILE | POCKET | FOLDER | NO. |
|      |        |        |     |



|       |                       |
|-------|-----------------------|
| ac    | asphalt concrete      |
| arv   | air release valve     |
| bc    | bottom curb           |
| bfp   | back flow preventer   |
| cabx  | cable television box  |
| catv  | cable television      |
| cbmh  | catch basin manhole   |
| conc. | concrete              |
| comm. | communication manhole |
| d     | diameter              |
| di    | drain inlet           |
| ebx   | electric box          |
| elec. | electric              |
| elev  | elevation             |
| emh   | electric manhole      |
| fh    | fire hydrant          |
| fd.   | found                 |

|       |                         |
|-------|-------------------------|
| h     | height                  |
| mh    | manhole                 |
| pav't | pavement                |
| pbx   | panel box               |
| pvc   | polyvinyl chloride      |
| ref   | reflector               |
| rpm   | raised pavement marking |
| sc    | sewer chimney           |
| sl    | street light            |
| slbx  | street light box        |
| sdmh  | storm drain manhole     |
| smh   | sewer manhole           |
| sta   | station                 |
| s/w   | sidewalk                |

height  
manhole  
pavement  
panel box  
polyvinyl chloride  
reflector  
raised pavement marking  
sewer chimney  
street light  
street light box  
storm drain manhole  
sewer manhole  
station  
sidewalk

|        |                                |
|--------|--------------------------------|
| temh   | telephone manhole              |
| tsl    | traffic signal light           |
| tslb   | traffic signal light box       |
| tvbx   | television box                 |
| trans. | transformer                    |
| typ.   | typical                        |
| up     | utility pole                   |
| up/sl  | utility pole with street light |
| wm     | water meter                    |
| wmh    | water manhole                  |
| wv     | water valve                    |

telephone manhole  
 traffic signal light  
 traffic signal light box  
 television box  
 transformer  
 typical  
 utility pole  
 utility pole with street light  
 water meter  
 water manhole  
 water valve

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

 HCDA Proposed Right of Way  
 Existing Right of Way  
 Kapolei Adjoining Boundary  
 Kalaeloa Master Plan New Road  
 Proposed Right of Way Plan by Others  
 Overhead Electrical Line  
 Asphalt Road Crosses Existing ROW

- Coral Road
- Chain Link Fence
- Wooden Fence
- PVC Fence
- Wire Fence
- Guard Rail

Y: \2018\18-029\SURVEY\DWG\ADJUSTED 18-029 KALAELOA RIGHT OF WAY TOPO.DWG  
JOB NO. 19-300 DATE: 073119

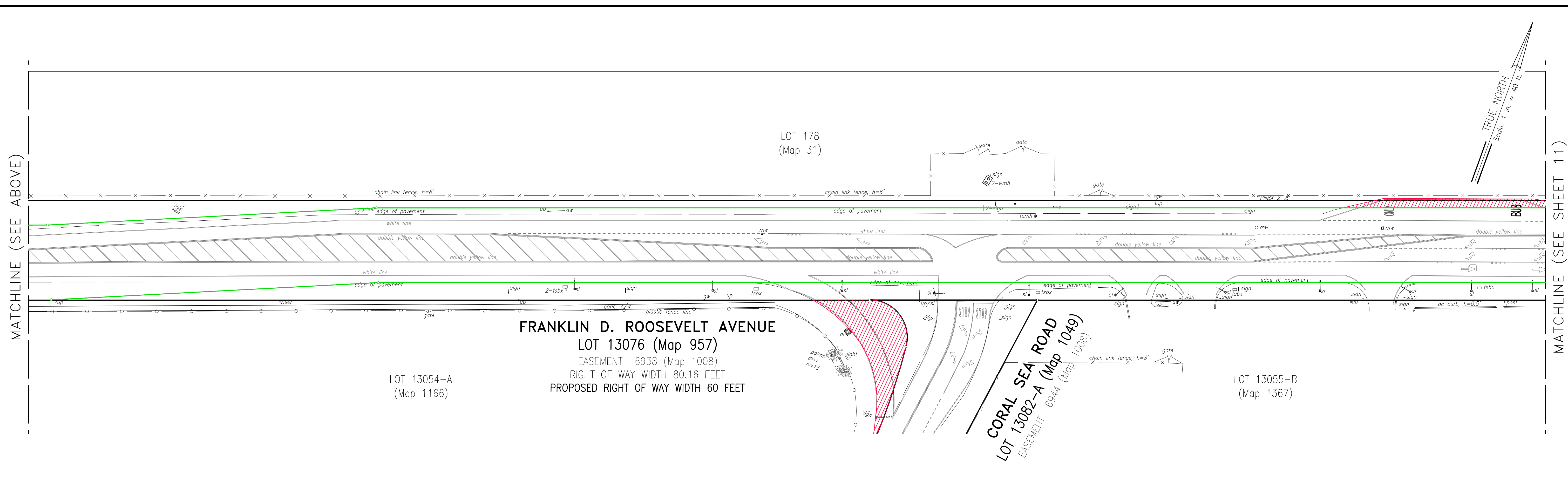
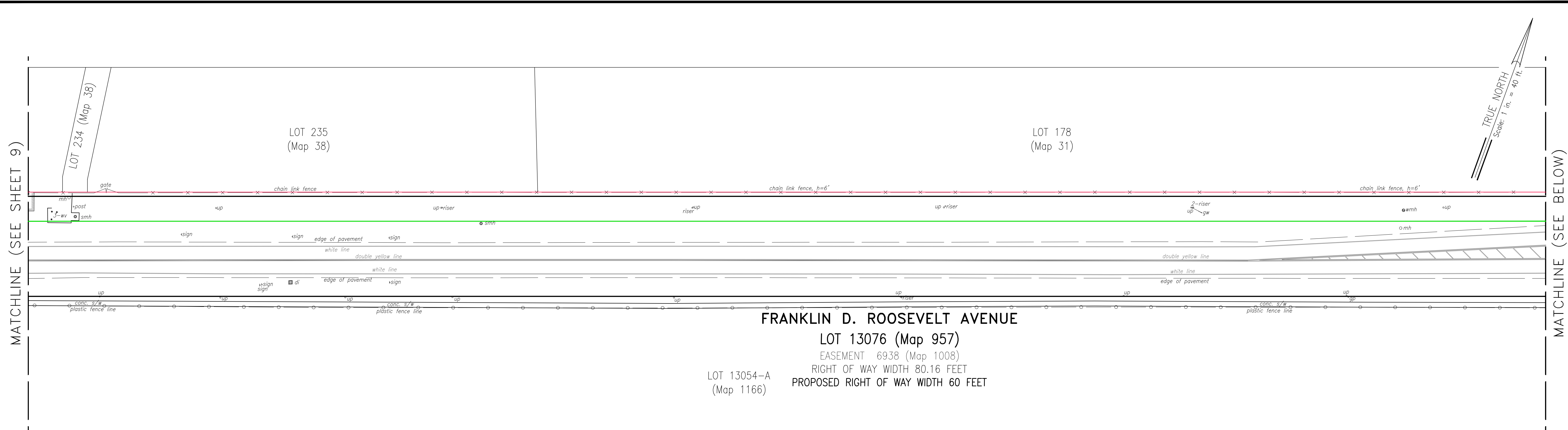












ABBREVIATIONS:

|       |                       |
|-------|-----------------------|
| ac    | asphalt concrete      |
| arv   | air release valve     |
| bc    | bottom curb           |
| bfp   | back flow preventer   |
| cabx  | cable television box  |
| catv  | cable television      |
| cbmh  | catch basin manhole   |
| conc. | concrete              |
| comm. | communication manhole |
| d     | diameter              |
| di    | drain inlet           |
| ebx   | electric box          |
| elec. | electric              |
| elev  | elevation             |
| emh   | electric manhole      |
| fh    | fire hydrant          |
| fd.   | found                 |

|       |                         |
|-------|-------------------------|
| gp    | gate post/guy post      |
| gw    | guy wire                |
| h     | height                  |
| mh    | manhole                 |
| pav't | pavement                |
| pbx   | panel box               |
| pvc   | polyvinyl chloride      |
| ref   | reflector               |
| rpm   | raised pavement marking |
| sc    | sewer chimney           |
| sl    | street light            |
| slbx  | street light box        |
| sdmh  | storm drain manhole     |
| smh   | sewer manhole           |
| sta   | station                 |
| s/w   | sidewalk                |

gp  
gw  
h  
mh  
pav't  
pbx  
pvc  
ref  
rpm  
sc  
sl  
slbx  
sdmh  
smh  
sta  
s/w

gate post/guy post  
guy wire  
height  
manhole  
pavement  
panel box  
polyvinyl chloride  
reflector  
raised pavement marking  
sewer chimney  
street light  
street light box  
storm drain manhole  
sewer manhole  
station  
sidewalk

tc  
tebx  
temh  
tsl  
tslb  
tvbx  
trans.  
typ.  
up  
up/sl  
wm  
wmh  
wv

top curb  
telephone box  
telephone manhole  
traffic signal light  
traffic signal light box  
television box  
transformer  
typical  
utility pole  
utility pole with street light  
water meter  
water manhole  
water valve

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

LEGEND:

- 
- Legend:
- HCDA Proposed Right of Way
  - Existing Right of Way
  - Kapolei Adjoining Boundary
  - Kalaeloa Master Plan New Road
  - Proposed Right of Way Plan by Others
  - Overhead Electrical Line
  - Asphalt Road Crosses Existing ROW

- |                                                                                       |                  |
|---------------------------------------------------------------------------------------|------------------|
|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |

  
**AustinTsutsumi**  
& ASSOCIATES, INC.  
CIVIL ENGINEERS | SURVEYORS  
HONOLULU | WAILUKU | HILO, HAWAII

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HONOLULU, HAWAII 96817

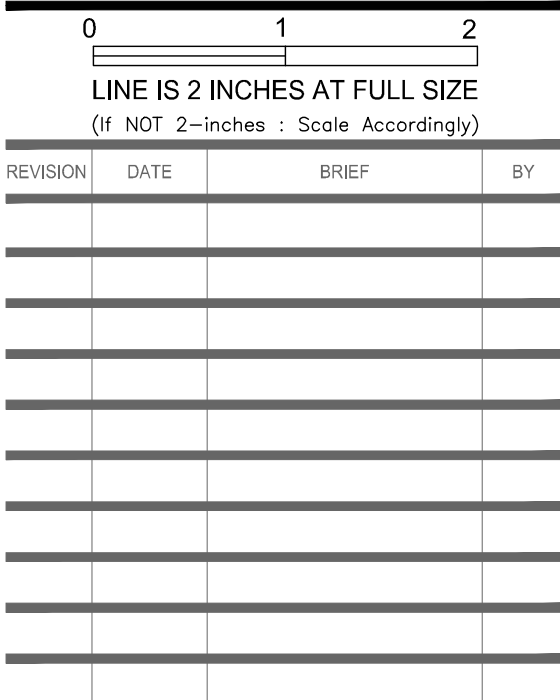
PHONE: 808-533-3646  
FAX: 808-526-1267

TOPOGRAPHIC SURVEY OF  
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RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY: (I) 9-1-018  
PREPARED FOR: HAWAII COMMUNITY DEVELOPMENT AUTHORITY.


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Date: 7/18/2019

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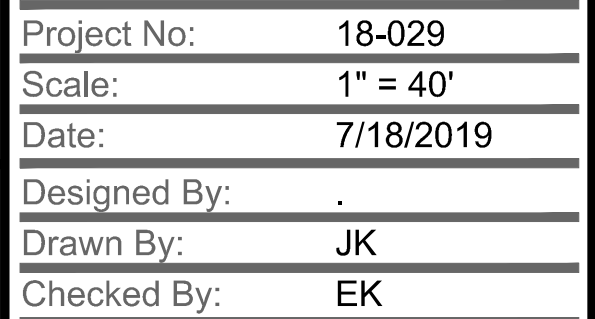
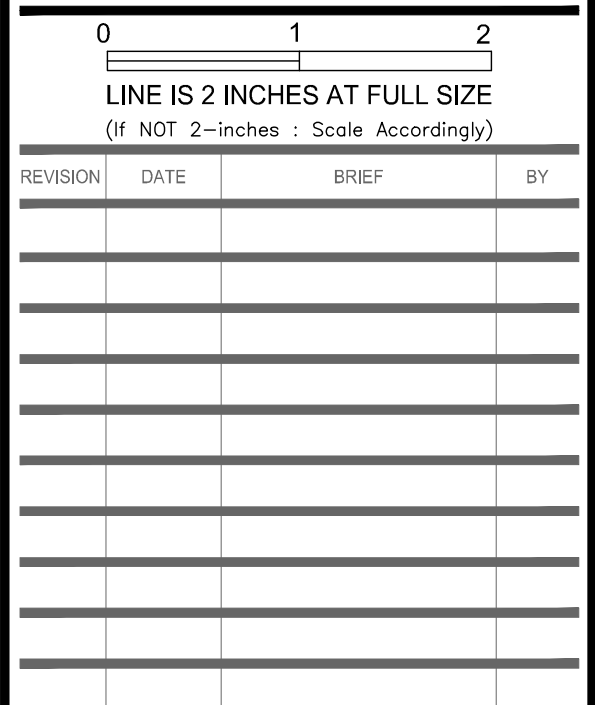
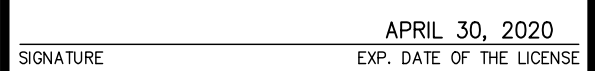
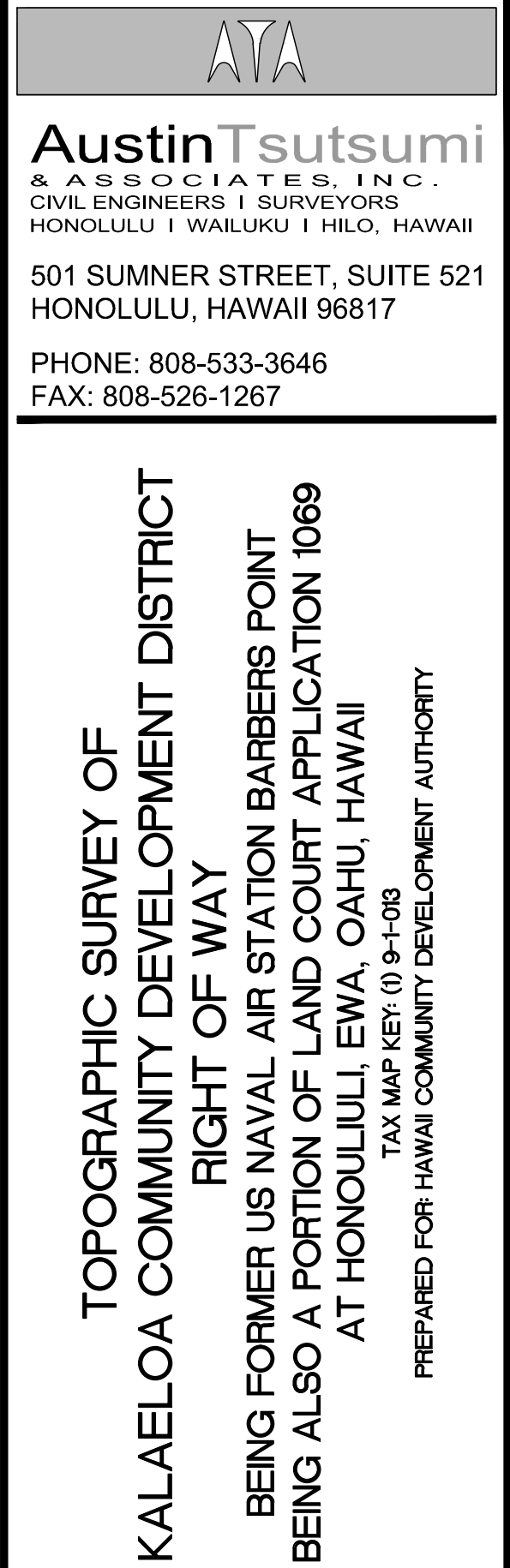
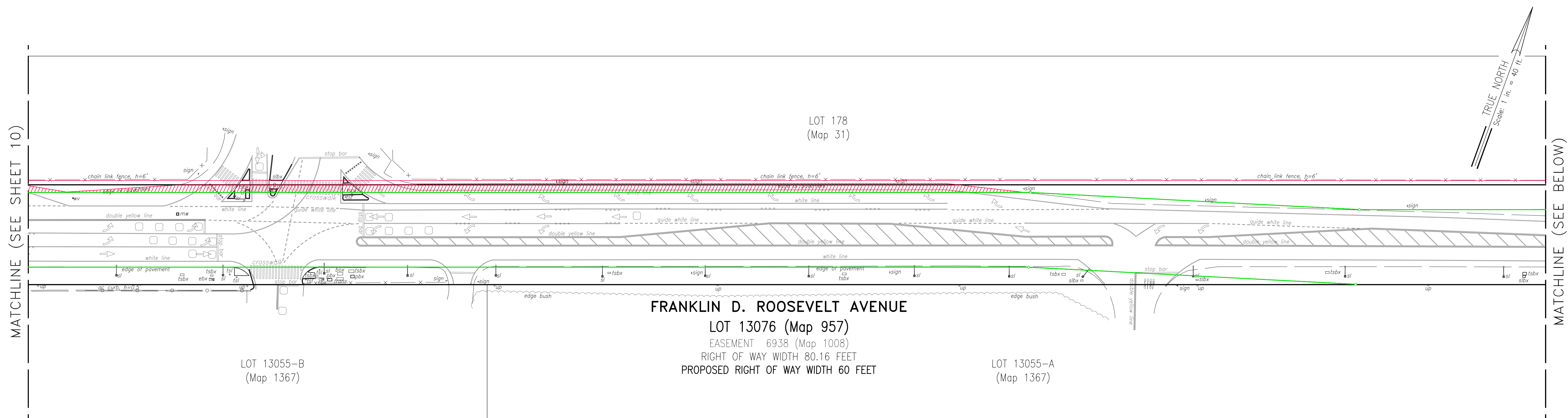
Checked By: Ek

DWG. NO.

# T-10

SHEET 10 OF 54





| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |

Y:\2018\18-029\SURVEY\DWG\ADJUSTED 18-029 KALAELOA RIGHT OF WAY TOPO.DWG  
JOB NO. 19-300 DATE: 073119

ABBREVIATIONS:

|       |                       |       |                         |        |                                |
|-------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
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| bc    | bottom curb           | h     | height                  | temh   | telephone manhole              |
| bfp   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| catv  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc. | concrete              | ref   | reflector               | typ.   | typical                        |
| comm. | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di    | drain inlet           | sl    | street light            | wm     | water meter                    |
| db    | electric box          | slbx  | street light box        | wrmh   | water manhole                  |
| elec. | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| fund. | found                 |       |                         |        |                                |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

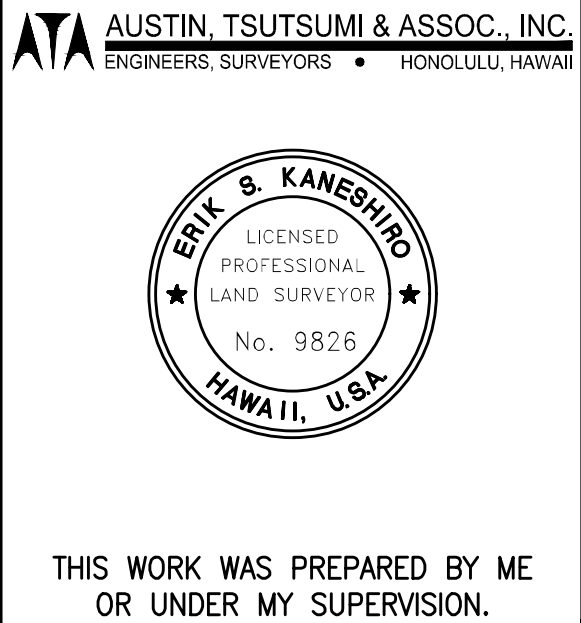
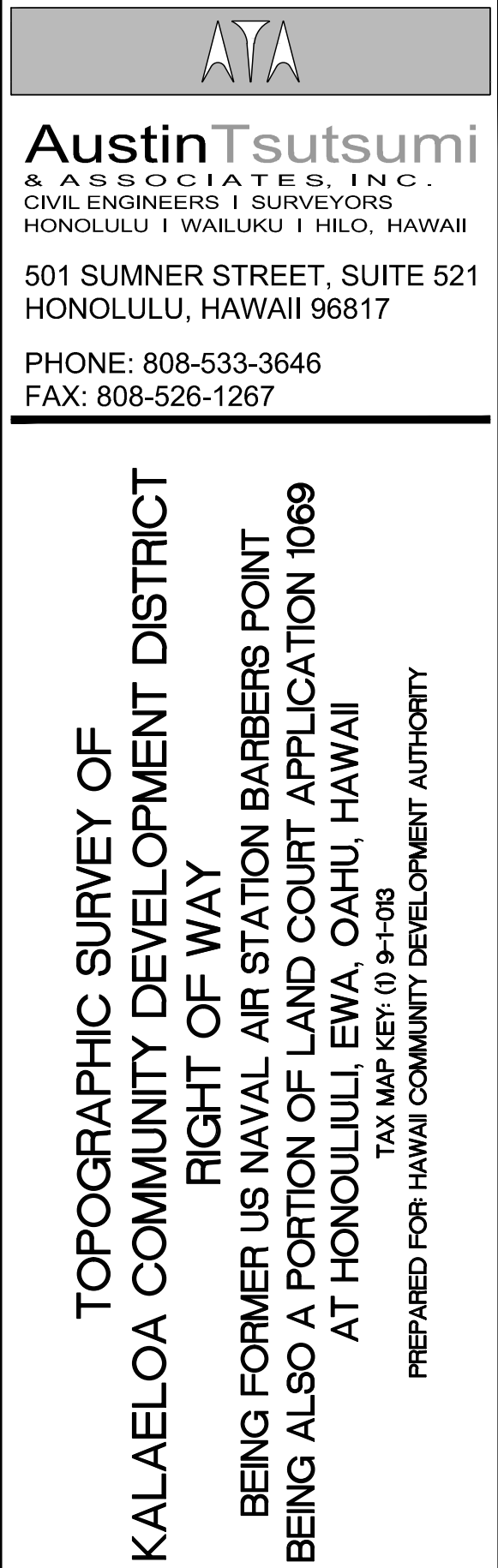
LEGEND:

|                                                                                       |                                      |                                                                                       |                  |
|---------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
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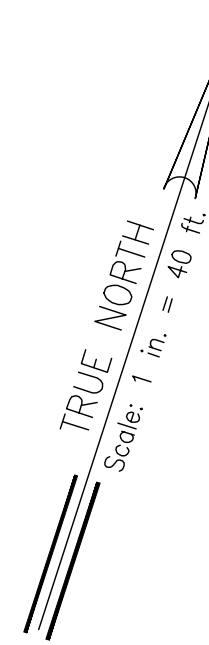
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|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |

DWG. NO.

**T-13**

SHEET 13 OF 54



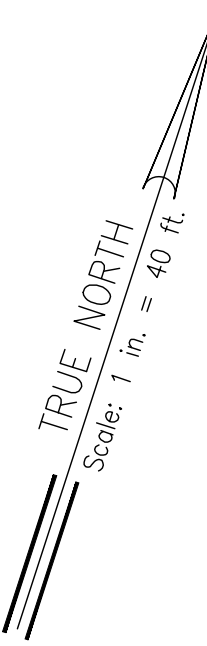


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 HONOLULU | WAILUKU | HILO, HAWAII

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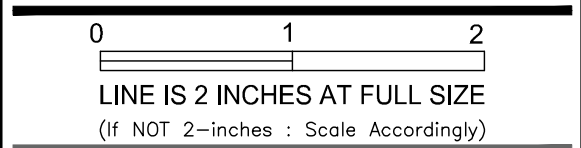
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 FAX: 808-526-1267

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AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY (I) 9-1-018  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY.



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OR UNDER MY SUPERVISION.

SIGNATURE \_\_\_\_\_ APRIL 30, 2020  
EXP. DATE OF THE LICENSE



|              |           |
|--------------|-----------|
| Project No:  | 18-029    |
| Scale:       | 1" = 40'  |
| Date:        | 7/18/2019 |
| Designed By: | .         |
| Drawn By:    | JK        |
| Checked By:  | EK        |

SHEET 14 OF 54

|      |        |        |     |
|------|--------|--------|-----|
| FILE | POCKET | FOLDER | NO. |
|      |        |        |     |

|       |                       |
|-------|-----------------------|
| ac    | asphalt concrete      |
| arv   | air release valve     |
| bc    | bottom curb           |
| bfp   | back flow preventer   |
| cabx  | cable television box  |
| catv  | cable television      |
| cbmh  | catch basin manhole   |
| conc. | concrete              |
| comm. | communication manhole |
| d     | diameter              |
| di    | drain inlet           |
| ebx   | electric box          |
| elec. | electric              |
| elev  | elevation             |
| emh   | electric manhole      |
| fh    | fire hydrant          |
| fd.   | found                 |

|                  |                         |
|------------------|-------------------------|
| gp               | gate post/guy post      |
| gw               | guy wire                |
| h                | height                  |
| mh               | manhole                 |
| pav <sup>t</sup> | pavement                |
| pbx              | panel box               |
| pvc              | polyvinyl chloride      |
| ref              | reflector               |
| rpm              | raised pavement marking |
| sc               | sawer chimney           |
| sl               | street light            |
| slbx             | street light box        |
| sdmh             | storm drain manhole     |
| smh              | sewer manhole           |
| sta              | station                 |
| s/w              | sidewalk                |

|        |                                |
|--------|--------------------------------|
| tc     | top curb                       |
| tebx   | telephone box                  |
| term   | telephone manhole              |
| tsl    | traffic signal light           |
| tslb   | traffic signal light box       |
| tvbx   | television box                 |
| trans. | transformer                    |
| typ.   | typical                        |
| up     | utility pole                   |
| up/sl  | utility pole with street light |
| wm     | water meter                    |
| wmh    | water manhole                  |
| wv     | water valve                    |

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

|                                                                                       |                                      |
|---------------------------------------------------------------------------------------|--------------------------------------|
|  | HCDA Proposed Right of Way           |
|  | Existing Right of Way                |
|  | Kapolei Adjoining Boundary           |
|  | Kalaheoa Master Plan New Road        |
|  | Proposed Right of Way Plan by Others |
|  | Overhead Electrical Line             |
|  | Asphalt Road Crosses Existing ROW    |

|  |                  |
|--|------------------|
|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |

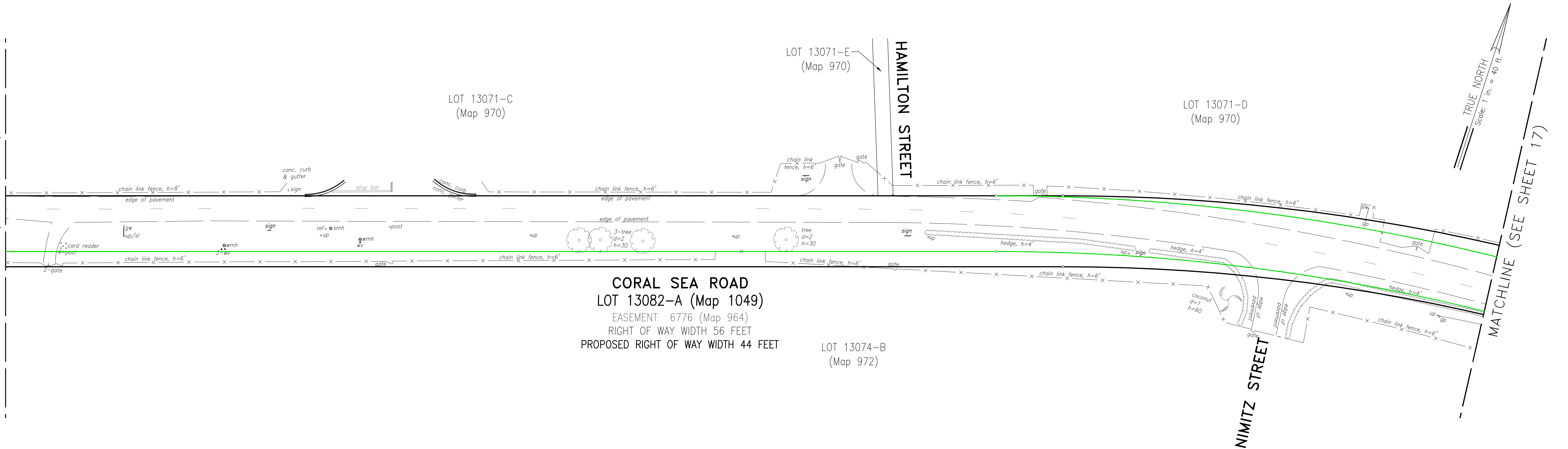
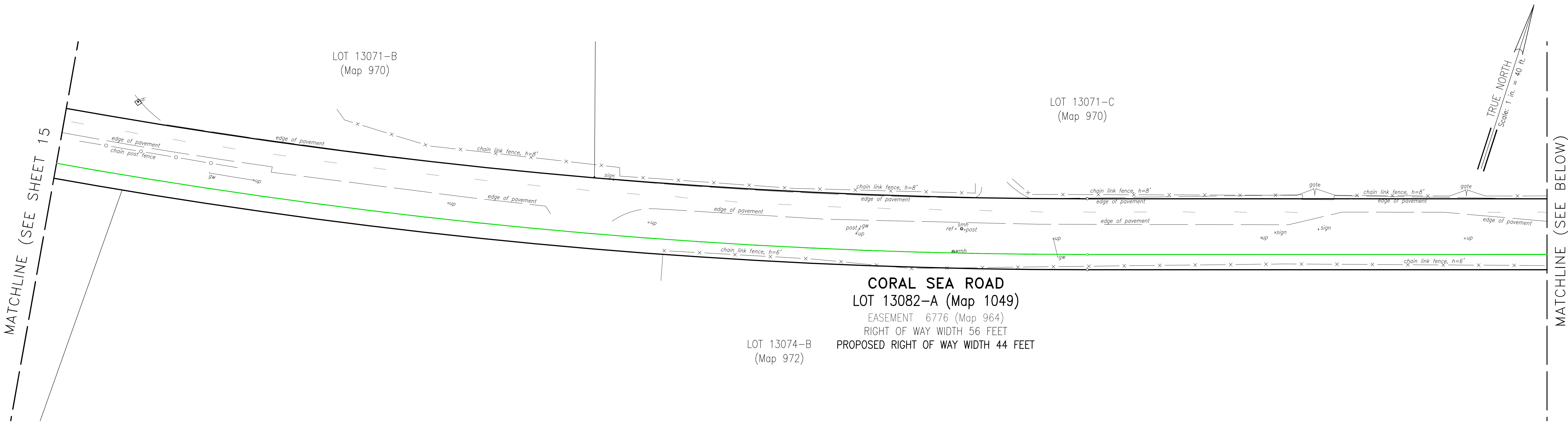
Y: \2018\18-029\SURVEY\DWG\ADJUSTED 18-029 KALAELOA RIGHT OF WAY TOPO.DWG  
JOB NO. 19-300 DATE: 073119







Y:\2018\18-029\SURVEY\DWG\ADJUSTED 18-029 KALAELOA RIGHT OF WAY TOPO.DWG  
JOB NO. 19-300 DATE: 03119



ABBREVIATIONS:

|       |                       |       |                         |        |                                |
|-------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
| arv   | air release valve     | gw    | guy wire                | tebx   | telephone box                  |
| bc    | bottom curb           | h     | height                  | temh   | telephone manhole              |
| bfp   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| catv  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc. | concrete              | ref   | reflector               | typ.   | typical                        |
| comm. | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di    | drain inlet           | sl    | street light            | wm     | water meter                    |
| ebx   | electric box          | slbx  | street light box        | wmh    | water manhole                  |
| elec. | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| ind.  | found                 |       |                         |        |                                |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW" Δ.

LEGEND:

|  |                                      |  |                  |
|--|--------------------------------------|--|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaeloa Master Plan New Road        |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |



**Austin Tsutsumi**  
& ASSOCIATES, INC.  
CIVIL ENGINEERS | SURVEYORS  
HONOLULU | WAILUKU | HILO, HAWAII  
501 SUMNER STREET, SUITE 521  
HONOLULU, HAWAII 96817  
PHONE: 808-533-3646  
FAX: 808-526-1267

TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY: 10 9-1-03  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY

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SIGNATURE \_\_\_\_\_ APRIL 30, 2020  
EXP. DATE OF THE LICENSE

0 1 2  
LINE IS 2 INCHES AT FULL SIZE  
(If NOT 2-inches : Scale Accordingly)

| REVISION | DATE | BRIEF | BY |
|----------|------|-------|----|
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
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|          |      |       |    |
|          |      |       |    |
|          |      |       |    |

Project No: 18-029  
Scale: 1" = 40'  
Date: 7/18/2019  
Designed By: .  
Drawn By: JK  
Checked By: EK

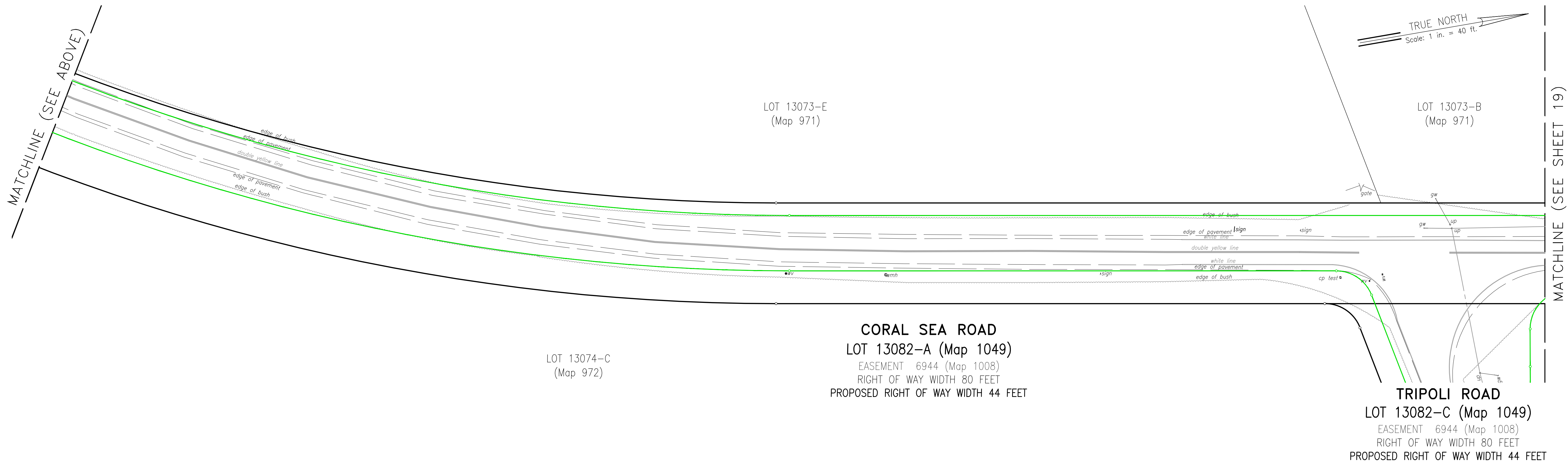
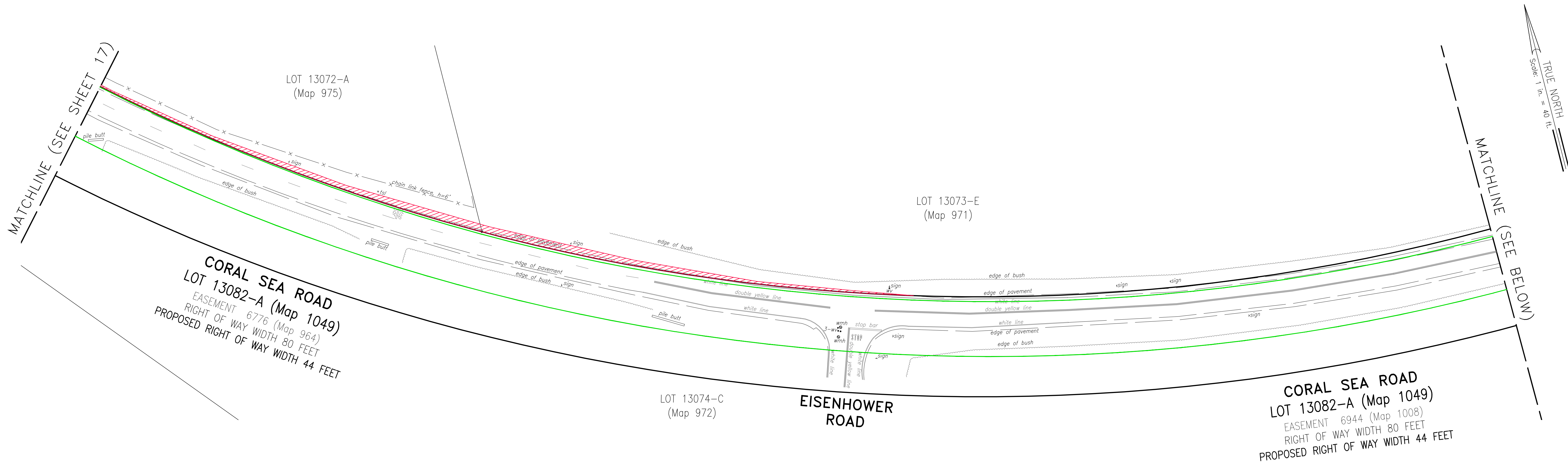
DWG. NO.  
**T-16**  
SHEET 16 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |









| <u>ABBREVIATIONS:</u> |                       |       |                         |        |                                |
|-----------------------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac                    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
| arv                   | air release valve     | gw    | guy wire                | tebx   | telephone box                  |
| bc                    | bottom curb           | h     | height                  | termh  | telephone manhole              |
| bfp                   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx                  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| catv                  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh                  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc.                 | concrete              | ref   | reflector               | typ.   | typical                        |
| comm.                 | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d                     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di                    | drain inlet           | sl    | street light            | wm     | water meter                    |
| ebx                   | electric box          | sibx  | street light box        | wmh    | water manhole                  |
| elec.                 | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev                  | elevation             | smh   | sewer manhole           |        |                                |
| emh                   | electric manhole      | sta   | station                 |        |                                |
| fh                    | fire hydrant          | s/w   | sidewalk                |        |                                |
| fund.                 | found                 |       |                         |        |                                |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$

**LEGEND:**

|                                                                                       |                                      |                                                                                       |                  |
|---------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaheo Master Plan New Road         |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |



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 HONOLULU, HAWAII 96817

PHONE: 808-533-3646  
 FAX: 808-526-1267

TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY (I) 9-1-018  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY

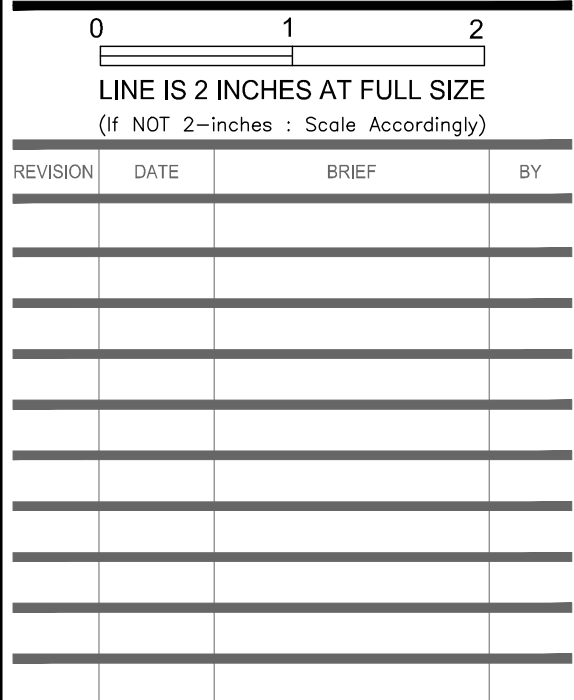


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EXP. DATE OF THE LICENSE

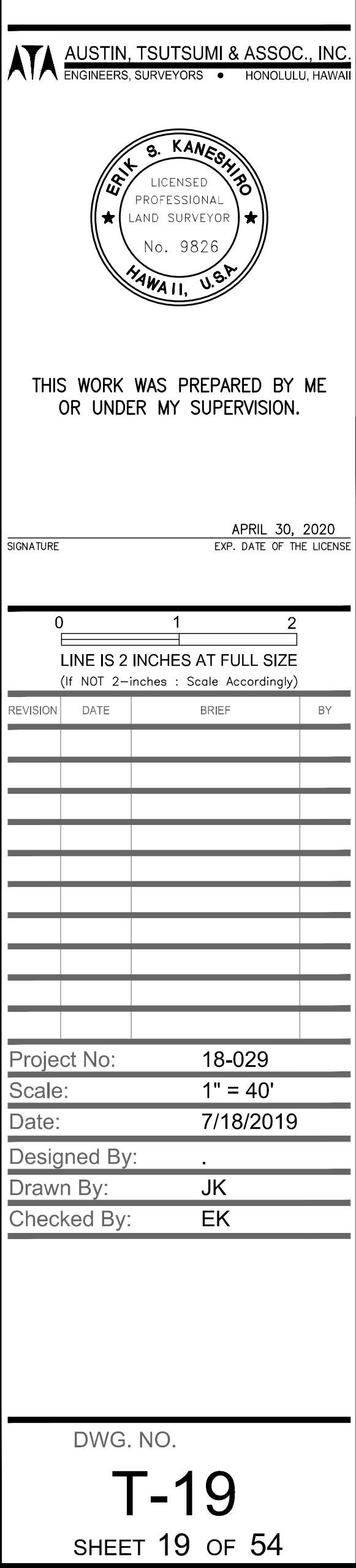
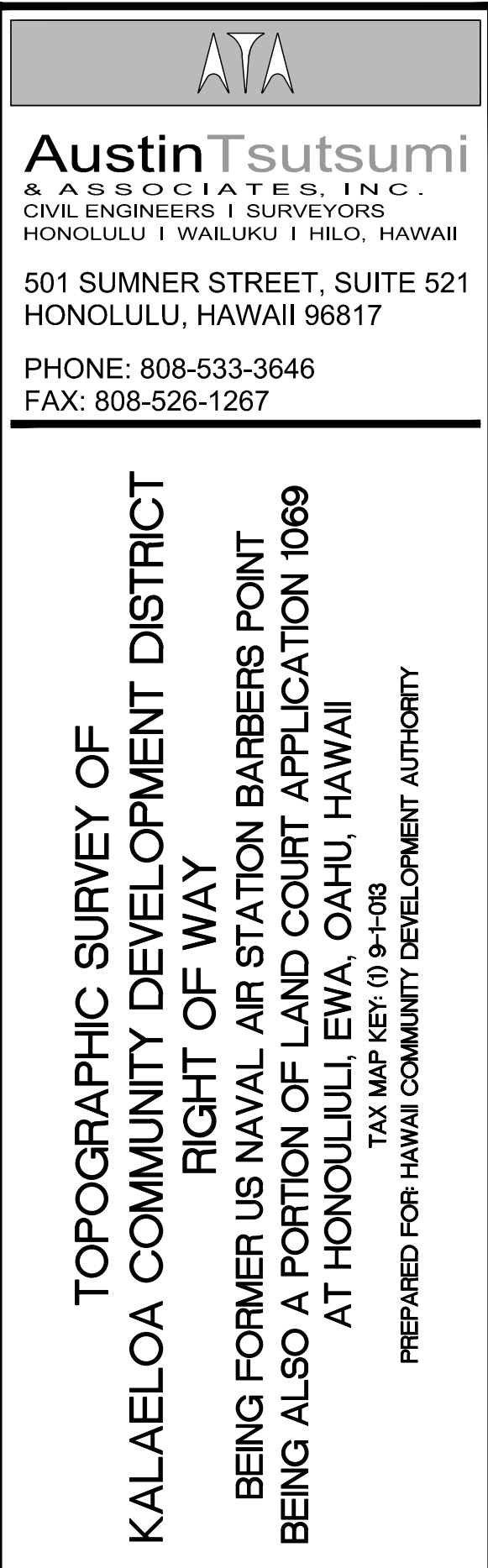


|              |           |
|--------------|-----------|
| Project No:  | 18-029    |
| Scale:       | 1" = 40'  |
| Date:        | 7/18/2019 |
| Designed By: | .         |
| Drawn By:    | JK        |
| Checked By:  | EK        |

DWG. NO.  
**T-18**  
SHEET 18 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |



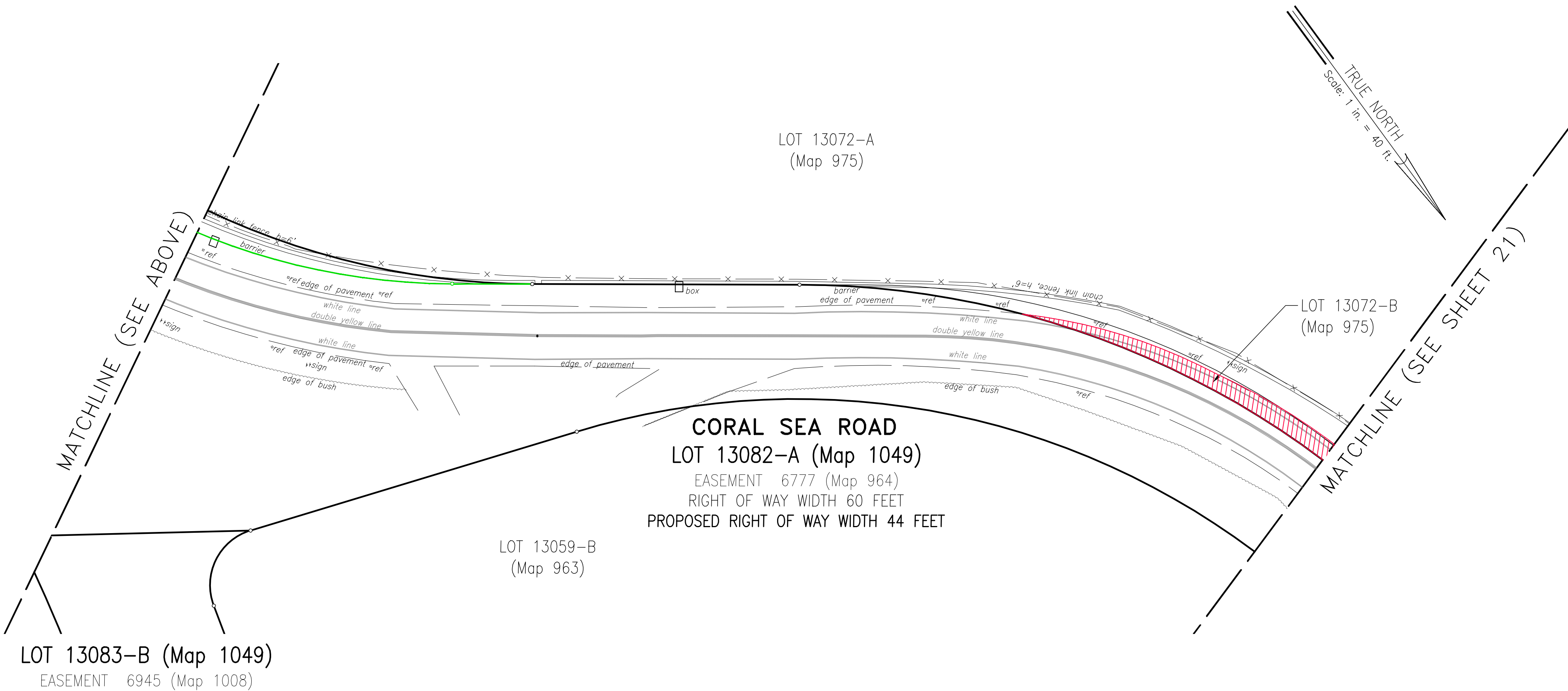
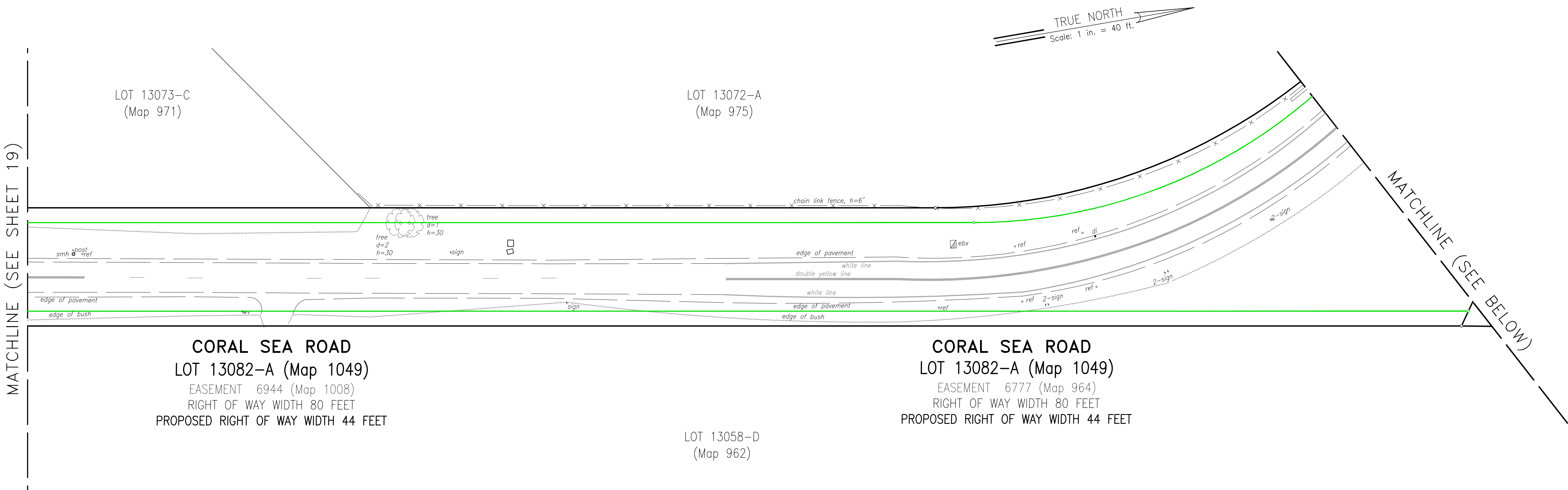


HCDA Proposed Right of Way  
 Existing Right of Way  
 Kapolei Adjoining Boundary  
 Kalahele Master Plan New Road  
 Proposed Right of Way Plan by Others  
 Overhead Electrical Line  
 Asphalt Road Crosses Existing ROW

|                                                                                       |                  |
|---------------------------------------------------------------------------------------|------------------|
|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |



Y:\2018\18-029\SURVEY\DWG\ADJUSTED 18-029 KALAELOA RIGHT OF WAY TOPO.DWG  
JOB NO. 19-300 DATE: 03119



ABBREVIATIONS:

|       |                       |       |                         |        |                                |
|-------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
| arv   | air release valve     | gw    | guy wire                | tebx   | telephone box                  |
| bc    | bottom curb           | h     | height                  | temh   | telephone manhole              |
| bfp   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| catv  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc. | concrete              | ref   | reflector               | typ.   | typical                        |
| comm. | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di    | drain inlet           | sl    | street light            | wm     | water meter                    |
| ebx   | electric box          | slbx  | street light box        | wmh    | water manhole                  |
| elec. | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| fn.   | found                 |       |                         |        |                                |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW" Δ.

LEGEND:

|  |                                      |  |                  |
|--|--------------------------------------|--|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaeloa Master Plan New Road        |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |



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& ASSOCIATES, INC.  
CIVIL ENGINEERS I SURVEYORS  
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501 SUMNER STREET, SUITE 521  
HONOLULU, HAWAII 96817

PHONE: 808-533-3646  
FAX: 808-526-1267

TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY (D) 9-1-08  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY

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EXP. DATE OF THE LICENSE

0 1 2  
LINE IS 2 INCHES AT FULL SIZE  
(If NOT 2-inches : Scale Accordingly)

| REVISION | DATE | BRIEF | BY |
|----------|------|-------|----|
|          |      |       |    |
|          |      |       |    |
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|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |

Project No: 18-029  
Scale: 1" = 40'  
Date: 7/18/2019  
Designed By: .  
Drawn By: JK  
Checked By: EK

DWG. NO.  
**T-20**  
SHEET 20 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |









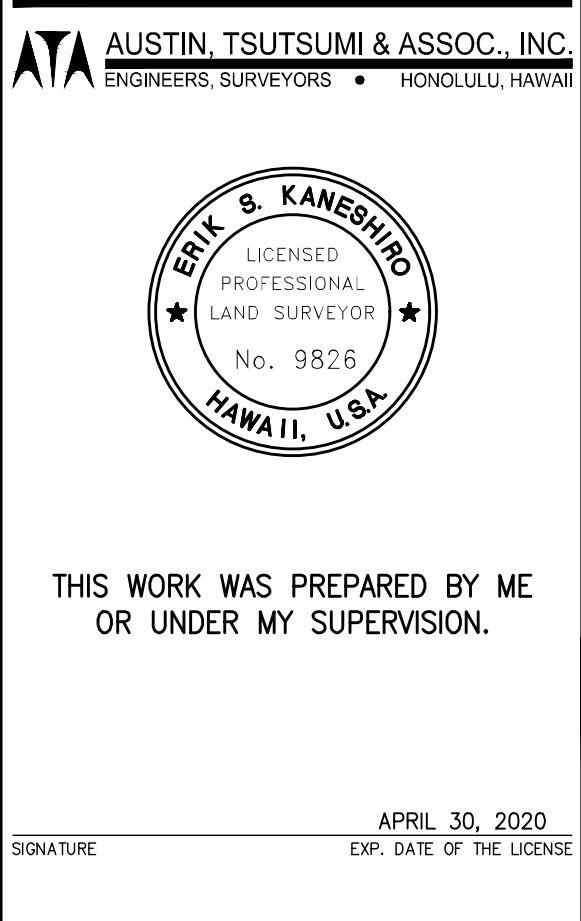
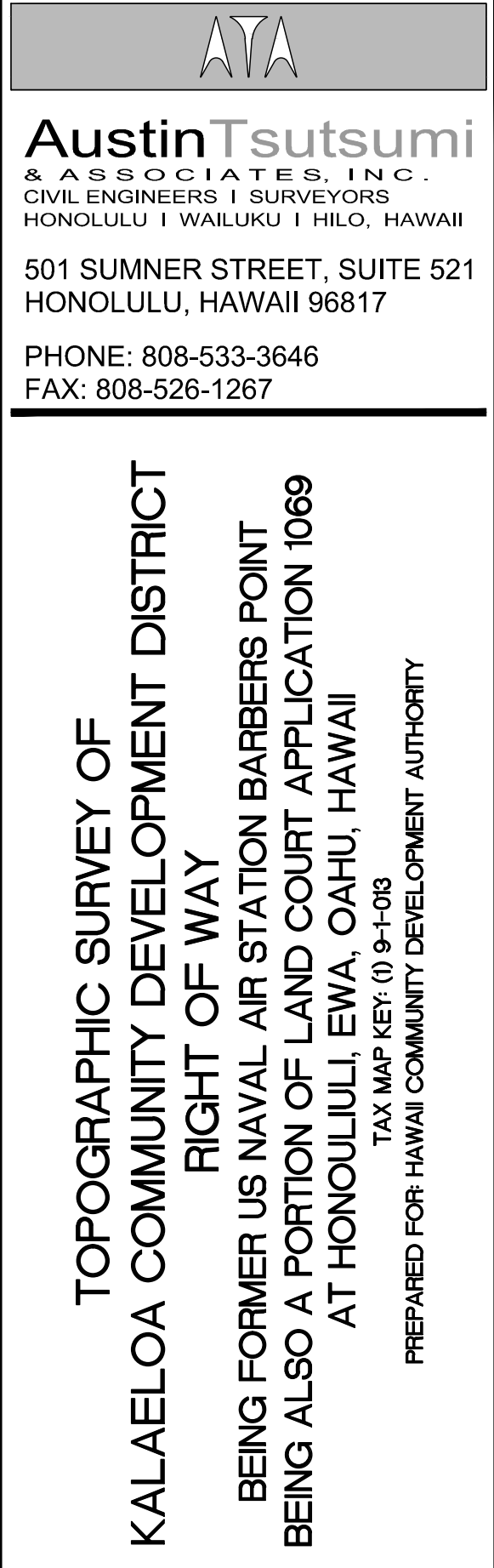












NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

| <u>LEGEND:</u>                                                                        |                                      |                                                                                       |                  |
|---------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaeloa Master Plan New Road        |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |











501 SUMNER STREET, SUITE 521  
HONOLULU, HAWAII 96817

PHONE: 808-533-3646  
FAX: 808-526-1267

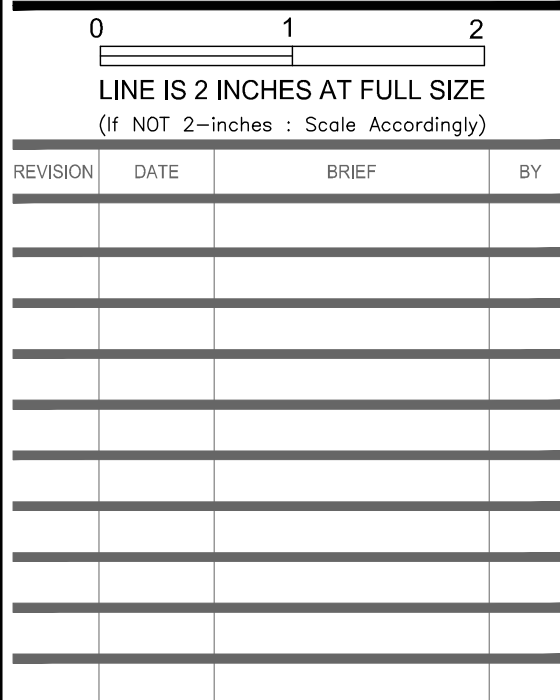
TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULULI, EWA, OAHU, HAWAII  
TAX MAP KEY: (I) 9-1-018  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY

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SIGNATURE \_\_\_\_\_ APRIL 30, 2020  
EXP. DATE OF THE LICENSE



|              |           |
|--------------|-----------|
| Project No:  | 18-029    |
| Scale:       | 1" = 40'  |
| Date:        | 7/18/2019 |
| Designed By: | .         |
| Drawn By:    | JK        |
| Checked By:  | EK        |

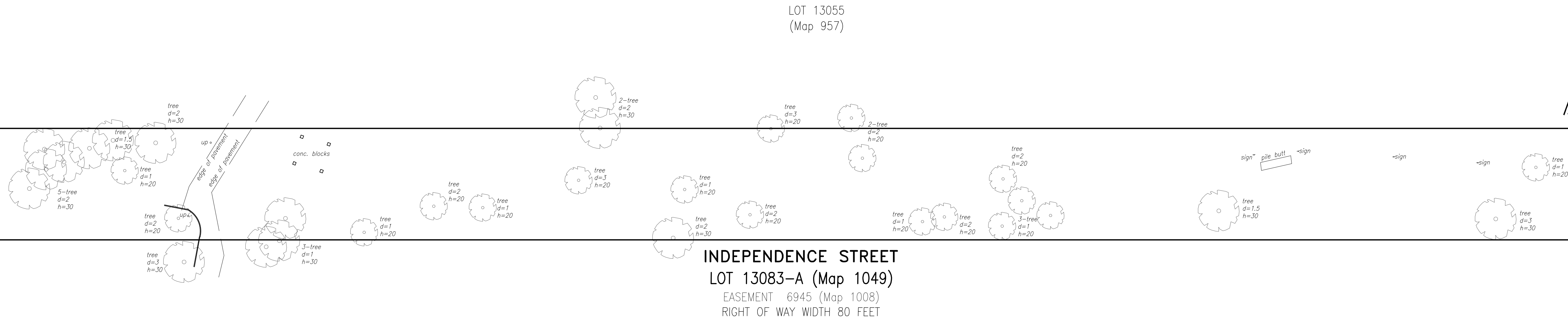
DWG. NO.

T-28

SHEET 28 OF 54

|      |        |        |     |
|------|--------|--------|-----|
| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|

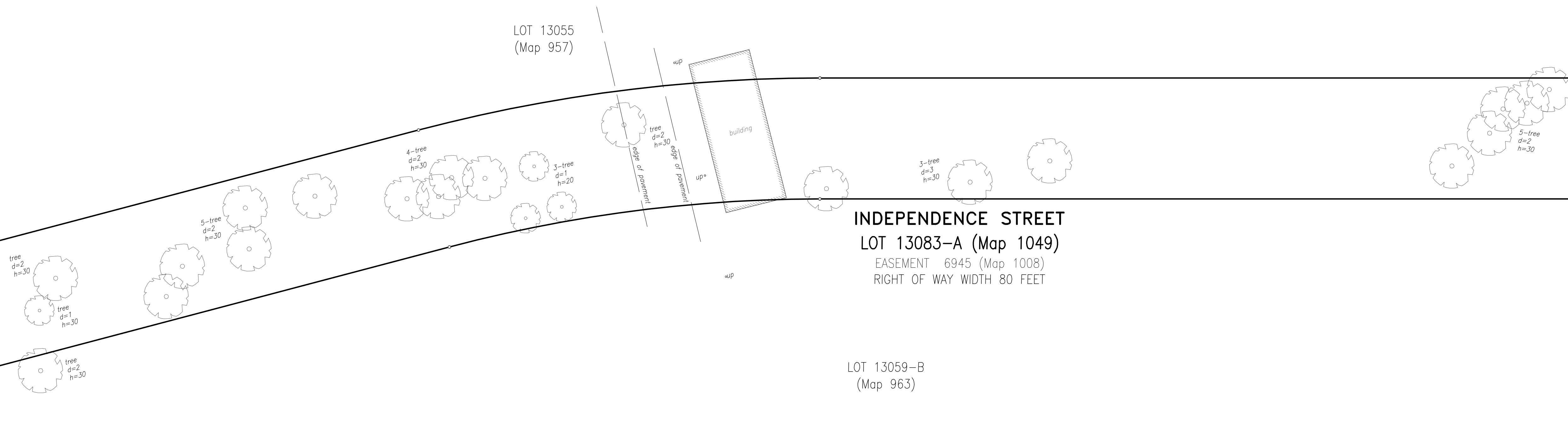
MATCHLINE (SEE SHEET 27)



TRUE NORTH  
Scale: 1 in. = 40 ft

MATCHLINE (SEE BELOW)

MATCHLINE (SEE ABOVE)



MATCHLINE (SEE SHEET 29)

ABBREVIATIONS:

|       |                       |
|-------|-----------------------|
| ac    | asphalt concrete      |
| arv   | air release valve     |
| bc    | bottom curb           |
| bfp   | back flow preventer   |
| cabx  | cable television box  |
| catv  | cable television      |
| cbmh  | catch basin manhole   |
| conc. | concrete              |
| comm. | communication manhole |
| d     | diameter              |
| di    | drain inlet           |
| ebx   | electric box          |
| elec. | electric              |
| elev  | elevation             |
| emh   | electric manhole      |
| fh    | fire hydrant          |
| fd.   | found                 |

|       |                         |
|-------|-------------------------|
| gp    | gate post/guy post      |
| gw    | guy wire                |
| h     | height                  |
| mh    | manhole                 |
| pav't | pavement                |
| pbx   | panel box               |
| pvc   | polyvinyl chloride      |
| ref   | reflector               |
| rpm   | raised pavement marking |
| sc    | sewer chimney           |
| sl    | street light            |
| slbx  | street light box        |
| sdm'h | storm drain manhole     |
| smh   | sewer manhole           |
| sta   | station                 |
| s/w   | sidewalk                |

|        |                                |
|--------|--------------------------------|
| tc     | top curb                       |
| tebx   | telephone box                  |
| term   | telephone manhole              |
| tsl    | traffic signal light           |
| tslb   | traffic signal light box       |
| tvbx   | television box                 |
| trans. | transformer                    |
| typ.   | typical                        |
| up     | utility pole                   |
| up/sl  | utility pole with street light |
| wm     | water meter                    |
| wmh    | water manhole                  |
| wv     | water valve                    |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW" .

LEGEND:

- |                                                                                       |                                      |
|---------------------------------------------------------------------------------------|--------------------------------------|
|  | HCDA Proposed Right of Way           |
|  | Existing Right of Way                |
|  | Kapolei Adjoining Boundary           |
|  | Kalaeloa Master Plan New Road        |
|  | Proposed Right of Way Plan by Others |
|  | Overhead Electrical Line             |
|  | Asphalt Road Crosses Existing ROW    |

- |  |                  |
|--|------------------|
|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |















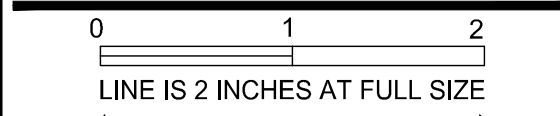






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OR UNDER MY SUPERVISION.

SIGNATURE \_\_\_\_\_ APRIL 30, 2020  
EXP. DATE OF THE LICENSE

[illegible]

Project No: 18-029

Scale: 1" = 40'

Date: 7/18/2019

Designed By: \_\_\_\_\_

Drawn By: JK

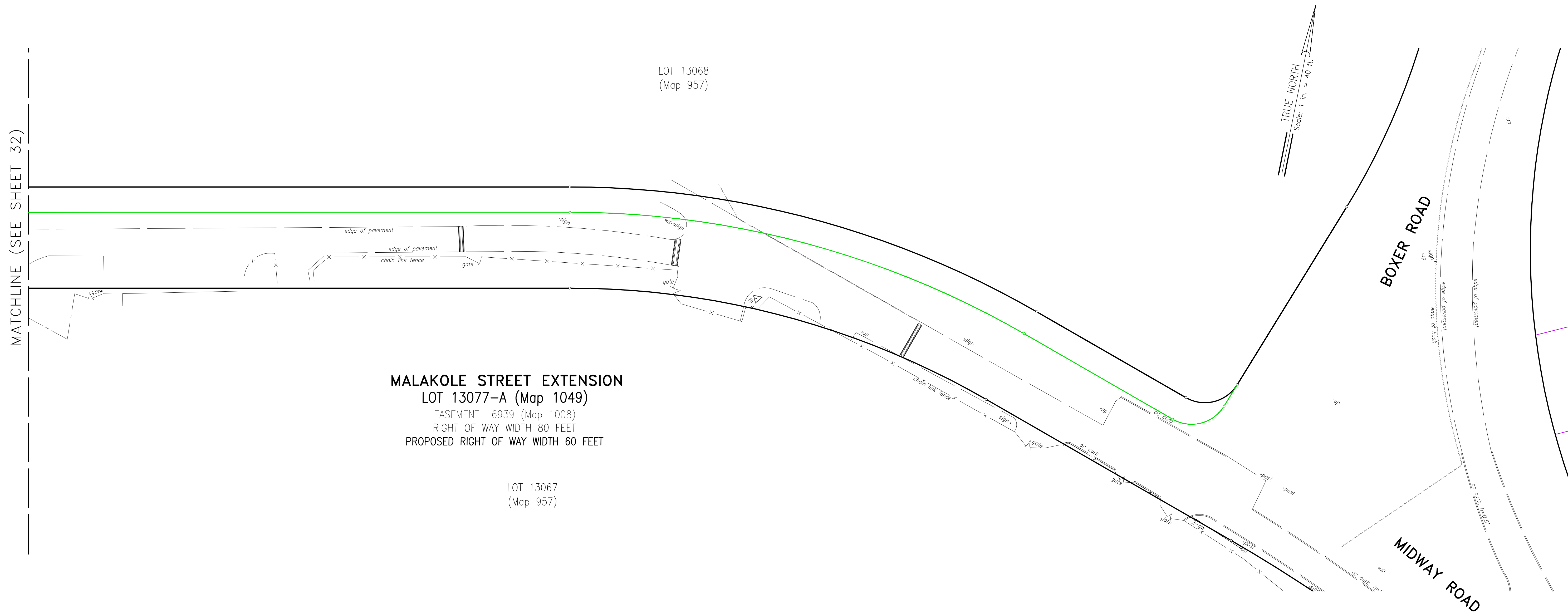
Checked By: EK

DWG. NO.

T-33

SHEET 33 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |



ABBREVIATIONS:

|       |                       |       |                         |        |                                |
|-------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
| arv   | air release valve     | gw    | guy wire                | tebx   | telephone box                  |
| bc    | bottom curb           | h     | height                  | temh   | telephone manhole              |
| bfp   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| catv  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc. | concrete              | ref   | reflector               | typ.   | typical                        |
| comm. | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di    | drain inlet           | sl    | street light            | wm     | water meter                    |
| db    | electric box          | slbx  | street light box        | wrmh   | water manhole                  |
| elec. | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| fund. | found                 |       |                         |        |                                |

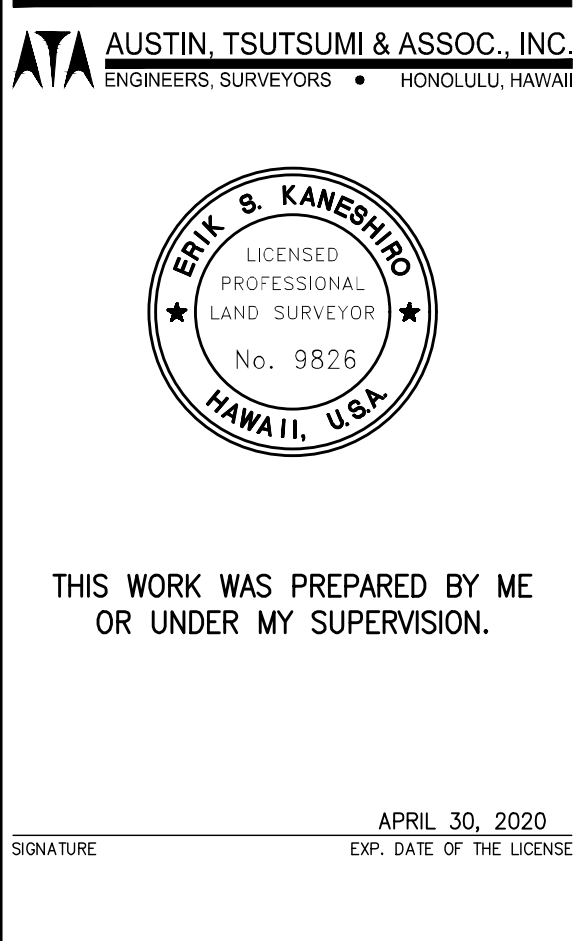
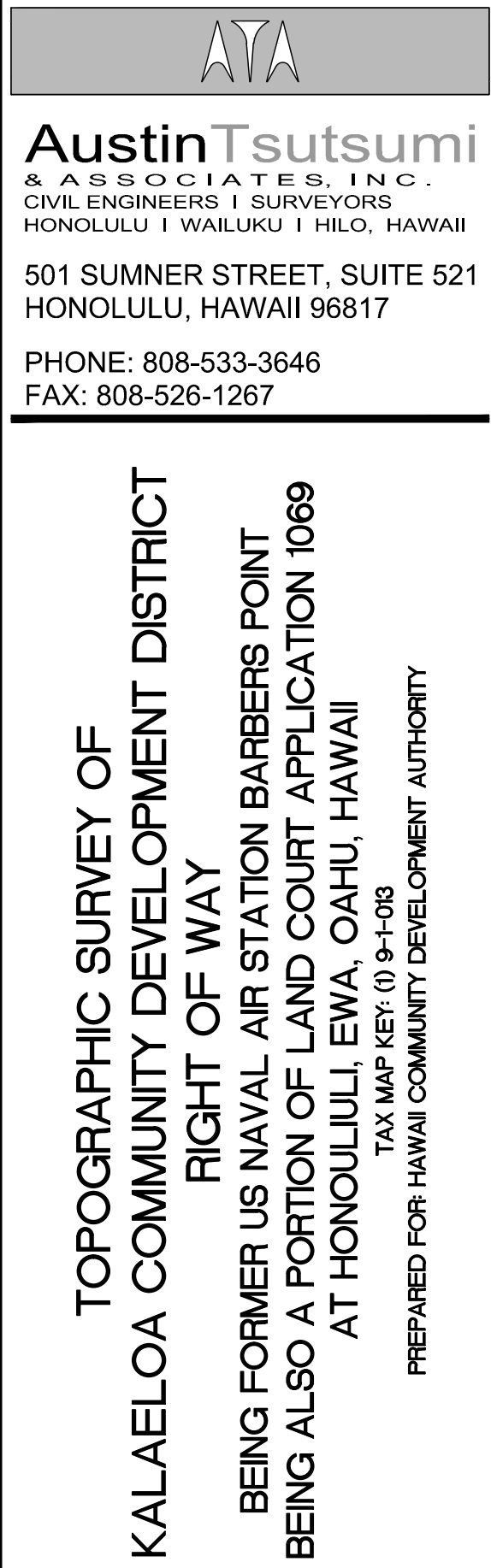
NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

LEGEND:

|                                                                                       |                                      |                                                                                       |                  |
|---------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaheo Master Plan New Road         |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |





|  |                  |
|--|------------------|
|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |

|              |           |
|--------------|-----------|
| Project No:  | 18-029    |
| Scale:       | 1" = 40'  |
| Date:        | 7/18/2019 |
| Designed By: | .         |
| Drawn By:    | JK        |
| Checked By:  | EK        |

SHEET 34 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |







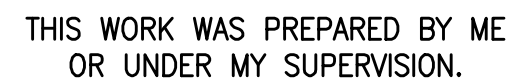




501 SUMNER STREET, SUITE 521  
HONOLULU, HAWAII 96817

PHONE: 808-533-3646  
FAX: 808-526-1267

TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY (I) 9-1-018  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY


**AUSTIN, TSUTSUMI & ASSOC., INC.**  
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APRIL 30, 2020  
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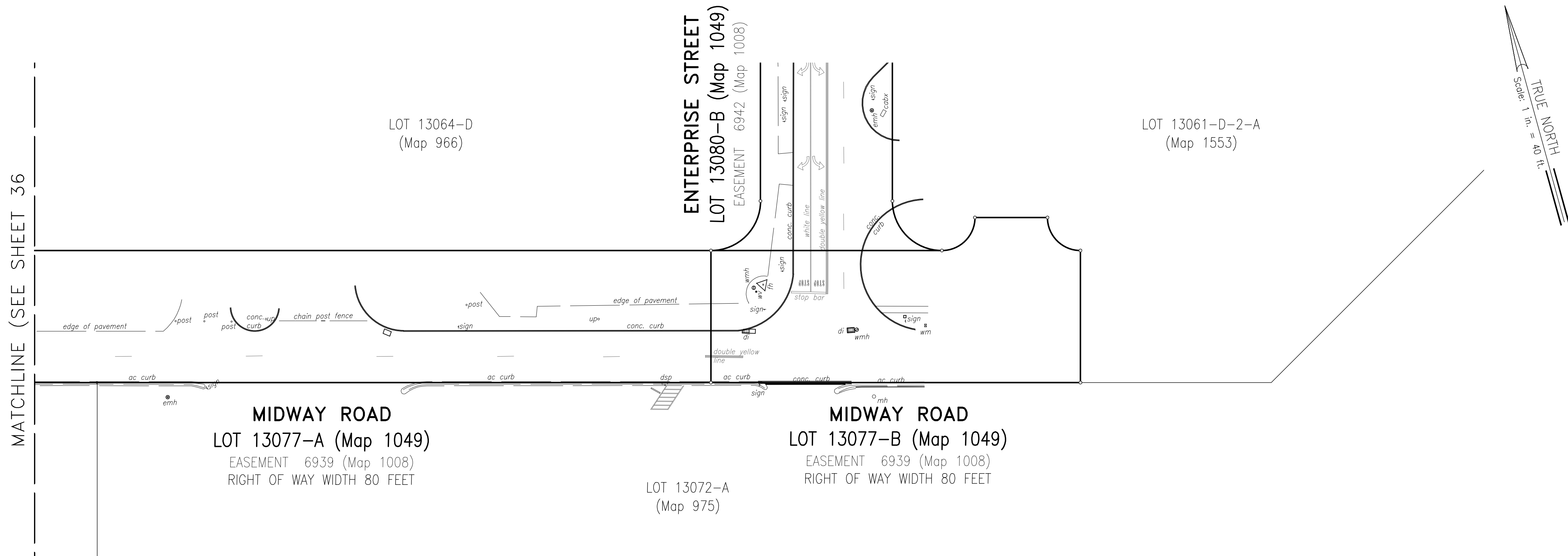
|              |           |
|--------------|-----------|
| Project No:  | 18-029    |
| Scale:       | 1" = 40'  |
| Date:        | 7/18/2019 |
| Designed By: | .         |
| Drawn By:    | JK        |
| Checked By:  | EK        |

DWG. NO.

# T-37

SHEET 37 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|------|--------|--------|-----|



ABBREVIATIONS:

|       |                       |
|-------|-----------------------|
| ac    | asphalt concrete      |
| arv   | air release valve     |
| bc    | bottom curb           |
| bfp   | back flow preventer   |
| cabx  | cable television box  |
| catv  | cable television      |
| cbmh  | catch basin manhole   |
| conc. | concrete              |
| comm. | communication manhole |
| d     | diameter              |
| di    | drain inlet           |
| ebx   | electric box          |
| elec. | electric              |
| elev  | elevation             |
| emh   | electric manhole      |
| fh    | fire hydrant          |
| fd.   | found                 |

gp  
gw  
h  
mh  
pav't  
pbx  
pvc  
ref  
rpm  
sc  
sl  
slbx  
sdmh  
smh  
sta  
s/w

gate post/guy post  
guy wire  
height  
manhole  
pavement  
panel box  
polyvinyl chloride  
reflector  
raised pavement marking  
sewer chimney  
street light  
street light box  
storm drain manhole  
sewer manhole  
station  
sidewalk

tc  
tebx  
temh  
tsl  
tslb  
tvbx  
trans.  
typ.  
up  
up/sl  
wm  
wmh  
wv

top curb  
telephone box  
telephone manhole  
traffic signal light  
traffic signal light box  
television box  
transformer  
typical  
utility pole  
utility pole with street light  
water meter  
water manhole  
water valve

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

LEGEND:

-  HCDA Proposed Right of Way  
 Existing Right of Way  
 Kapolei Adjoining Boundary  
 Kalaheoa Master Plan New Road  
 Proposed Right of Way Plan by Others  
 Overhead Electrical Line  
 Asphalt Road Crosses Existing ROW

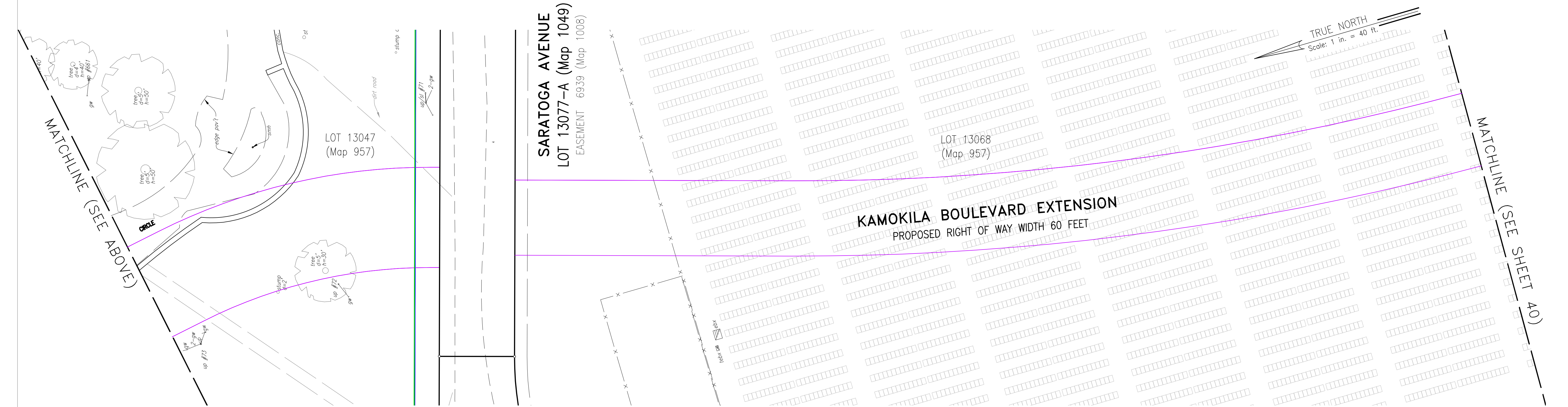
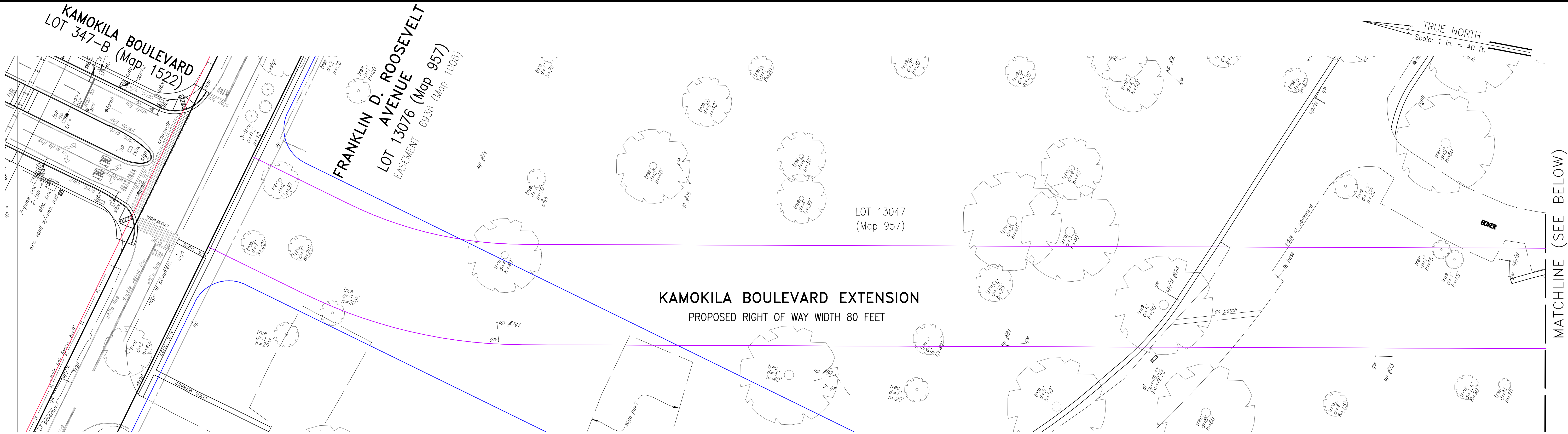
- |                                                                                       |                  |
|---------------------------------------------------------------------------------------|------------------|
|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |







Y:\2018\18-029\SURVEY\DWG\ADJUSTED 18-029 KALAELOA RIGHT OF WAY TOPO.DWG  
JOB NO. 19-300 DATE: 03/11/19



ABBREVIATIONS:

|       |                       |       |                         |        |                                |
|-------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
| arv   | air release valve     | gw    | guy wire                | tebx   | telephone box                  |
| bc    | bottom curb           | h     | height                  | temh   | telephone manhole              |
| bfp   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| catv  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc. | concrete              | ref   | reflector               | typ.   | typical                        |
| comm. | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di    | drain inlet           | sl    | street light            | wm     | water meter                    |
| ebx   | electric box          | slbx  | street light box        | wmh    | water manhole                  |
| elec. | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| frd.  | found                 |       |                         |        |                                |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW" Δ.

LEGEND:

|  |                                      |  |                  |
|--|--------------------------------------|--|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaeloa Master Plan New Road        |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |

**Austin Tsutsumi & Associates, Inc.**  
CIVIL ENGINEERS | SURVEYORS  
HONOLULU | WAILUKU | HILO, HAWAII  
501 SUMNER STREET, SUITE 521  
HONOLULU, HAWAII 96817  
PHONE: 808-533-3646  
FAX: 808-526-1267

TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY: 10 9-1-03  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY

AUSTIN, TSUTSUMI & ASSOC., INC.  
ENGINEERS, SURVEYORS • HONOLULU, HAWAII



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

SIGNATURE \_\_\_\_\_  
APRIL 30, 2020  
EXP. DATE OF THE LICENSE

0 1 2  
LINE IS 2 INCHES AT FULL SIZE  
(If NOT 2-inches : Scale Accordingly)

| REVISION | DATE | BRIEF | BY |
|----------|------|-------|----|
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |
|          |      |       |    |

Project No: 18-029  
Scale: 1" = 40'  
Date: 7/18/2019  
Designed By: .  
Drawn By: JK  
Checked By: EK

DWG. NO.  
**T-39**  
SHEET 39 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |







501 SUMNER STREET, SUITE 521  
HONOLULU, HAWAII 96817

PHONE: 808-533-3646  
FAX: 808-526-1267

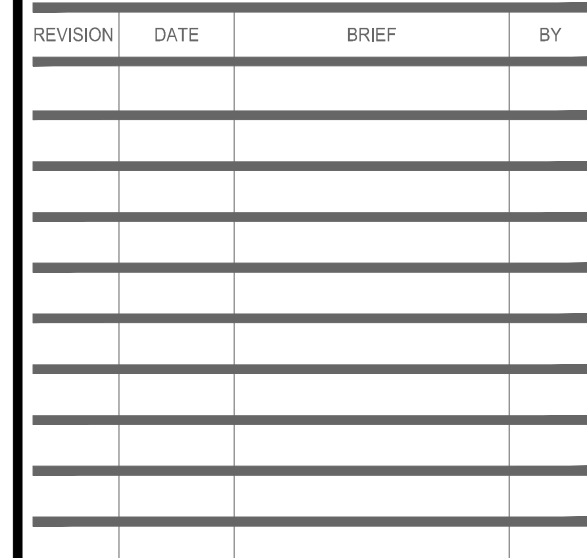
TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY: (I) 9-1-08  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY.

TAX MAP KEY: (I) 9-1-013


**AUSTIN, TSUTSUMI & ASSOC., INC.**  
 ENGINEERS, SURVEYORS • HONOLULU, HAWAII

APRIL 30, 2020

SIGNATURE \_\_\_\_\_ EXP. DATE OF THE LICENSE \_\_\_\_\_



Project No: 18-029

Scale: 1" = 40'

Date: 7/18/2019

Designed By:

Drawn By: JK

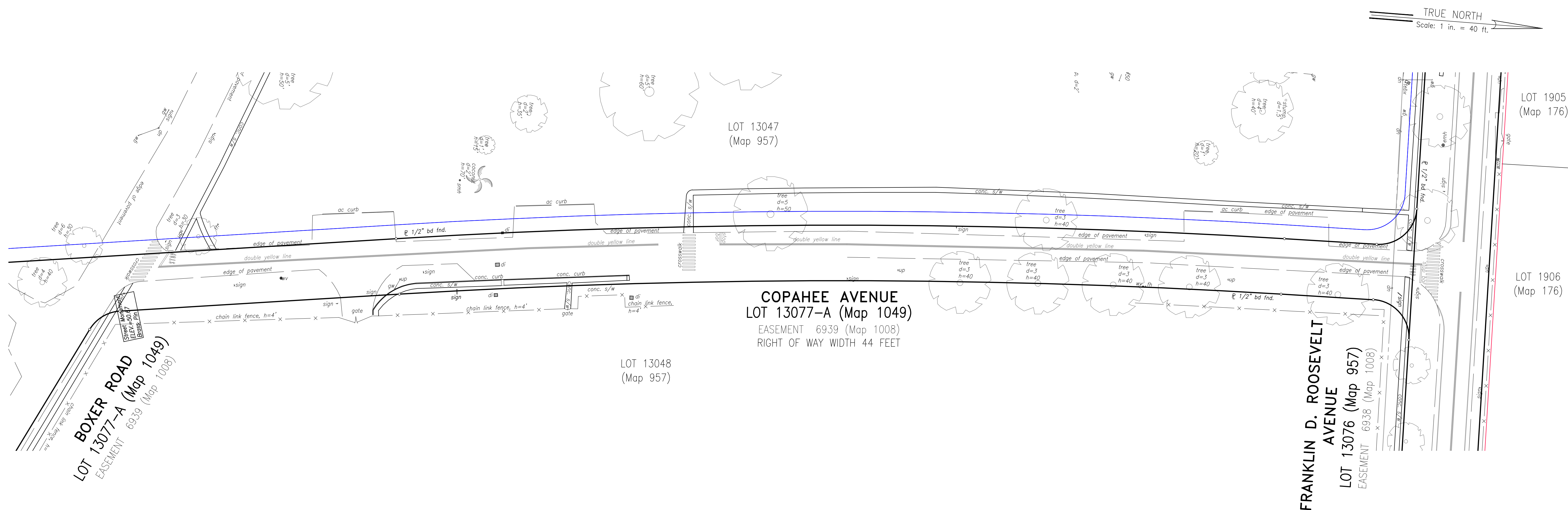
Checked By: EK

DWG. NO.

T-41

SHEET 41 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |



ABBREVIATIONS:

|       |                       |
|-------|-----------------------|
| ac    | asphalt concrete      |
| arv   | air release valve     |
| bc    | bottom curb           |
| bfp   | back flow preventer   |
| cabx  | cable television box  |
| catv  | cable television      |
| cbmh  | catch basin manhole   |
| conc. | concrete              |
| comm. | communication manhole |
| d     | diameter              |
| di    | drain inlet           |
| ebx   | electric box          |
| elec. | electric              |
| elev. | elevation             |
| emh   | electric manhole      |
| fh    | fire hydrant          |
| fd.   | found                 |

gp  
gw  
h  
mh  
pav't  
pbx  
pvc  
ref  
rpm  
sc  
sl  
slbx  
sdmh  
smh  
sta  
s/w

gate post/guy post  
guy wire  
height  
manhole  
pavement  
panel box  
polyvinyl chloride  
reflector  
raised pavement marking  
sewer chimney  
street light  
street light box  
storm drain manhole  
sewer manhole  
station  
sidewalk

|        |                                |
|--------|--------------------------------|
| tc     | top curb                       |
| tebx   | telephone box                  |
| termh  | telephone manhole              |
| tsl    | traffic signal light           |
| tslb   | traffic signal light box       |
| tvbx   | television box                 |
| trans. | transformer                    |
| typ.   | typical                        |
| up     | utility pole                   |
| up/sl  | utility pole with street light |
| wm     | water meter                    |
| wmh    | water manhole                  |
| wv     | water valve                    |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

LEGEND:

- |                                                                                       |                                      |
|---------------------------------------------------------------------------------------|--------------------------------------|
|  | HCDA Proposed Right of Way           |
|  | Existing Right of Way                |
|  | Kapolei Adjoining Boundary           |
|  | Kalaheoa Master Plan New Road        |
|  | Proposed Right of Way Plan by Others |
|  | Overhead Electrical Line             |
|  | Asphalt Road Crosses Existing ROW    |

- |  |                  |
|--|------------------|
|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |

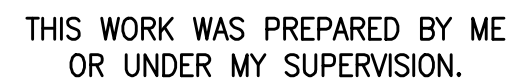




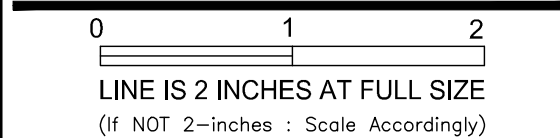


TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, IWA, OAHU, HAWAII  
TAX MAP KEY (I) 9-1-018  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY

TAX MAP KEY: (1) 9-1-013



APRIL 30, 2020  
SIGNATURE EXP. DATE OF THE LICENSE



|              |           |
|--------------|-----------|
| Project No:  | 18-029    |
| Scale:       | 1" = 40'  |
| Date:        | 7/18/2019 |
| Designed By: | .         |
| Drawn By:    | JK        |
| Checked By:  | EK        |

DWG. NO.

T-43

SHEET 43 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |



|       |                       |       |                         |        |                                |
|-------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
| arv   | air release valve     | gw    | guy wire                | tebx   | telephone box                  |
| bc    | bottom curb           | h     | height                  | termh  | telephone manhole              |
| bfp   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| catv  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc. | concrete              | ref   | reflector               | typ    | typical                        |
| comm. | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di    | drain inlet           | sl    | street light            | wm     | water meter                    |
| ebx   | electric box          | slbx  | street light box        | wmh    | water manhole                  |
| elec. | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| fund. | found                 |       |                         |        |                                |

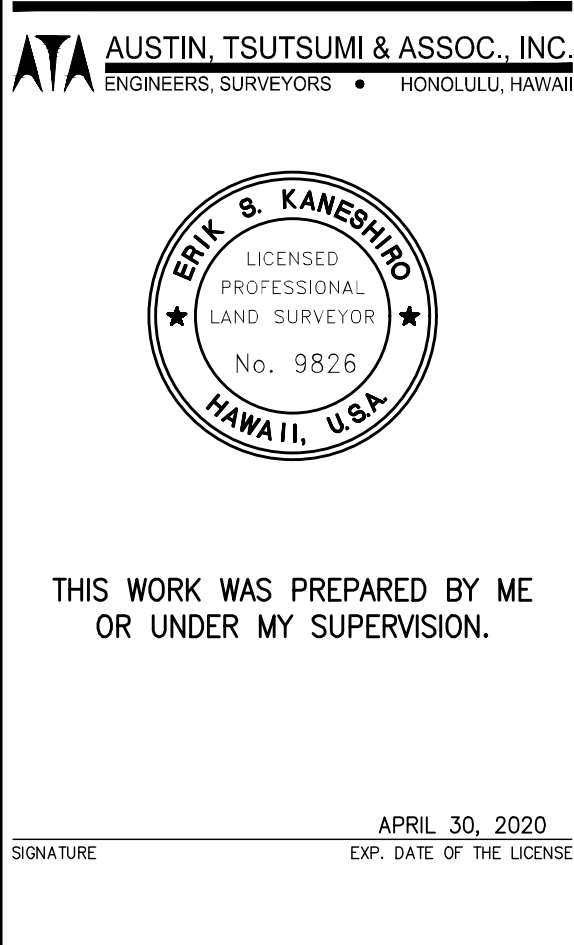
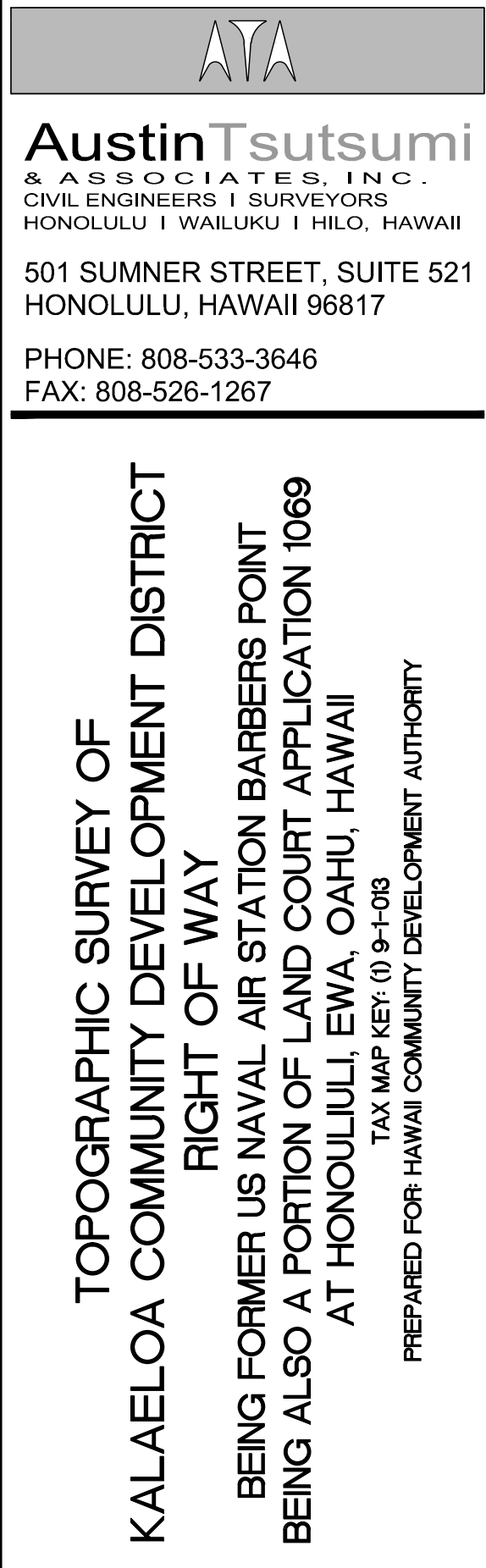
NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

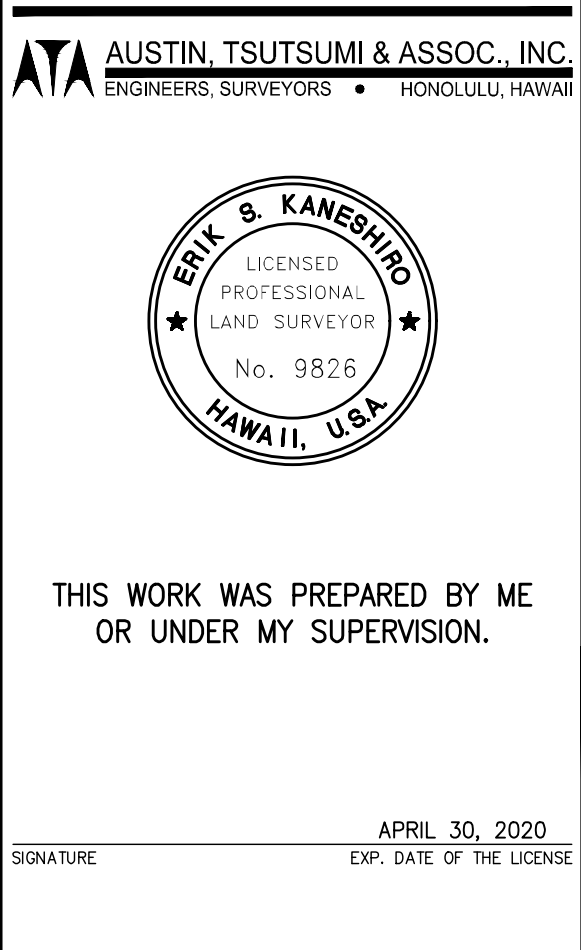
LEGEND:

|                                                                                       |                                      |                                                                                       |                  |
|---------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaheo Master Plan New Road         |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |



[illegible]



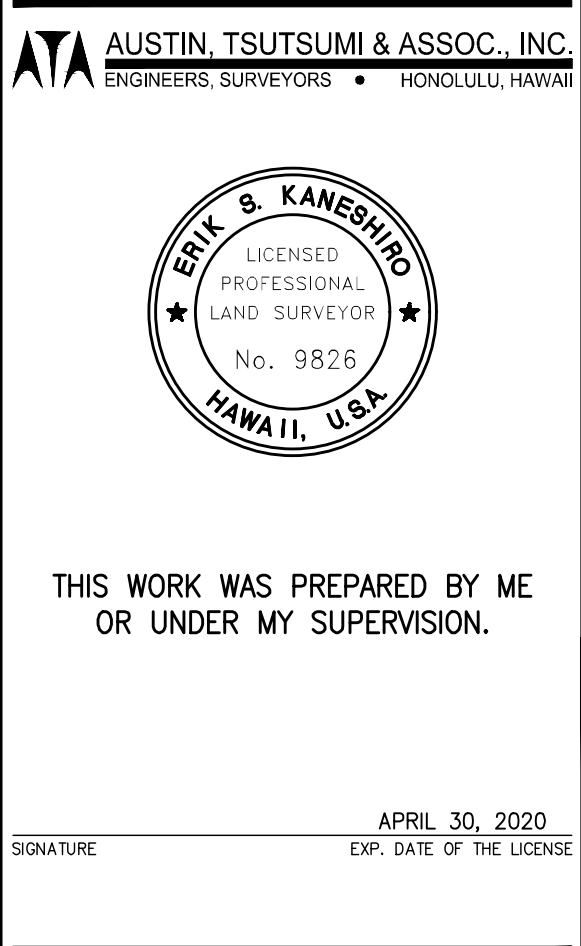
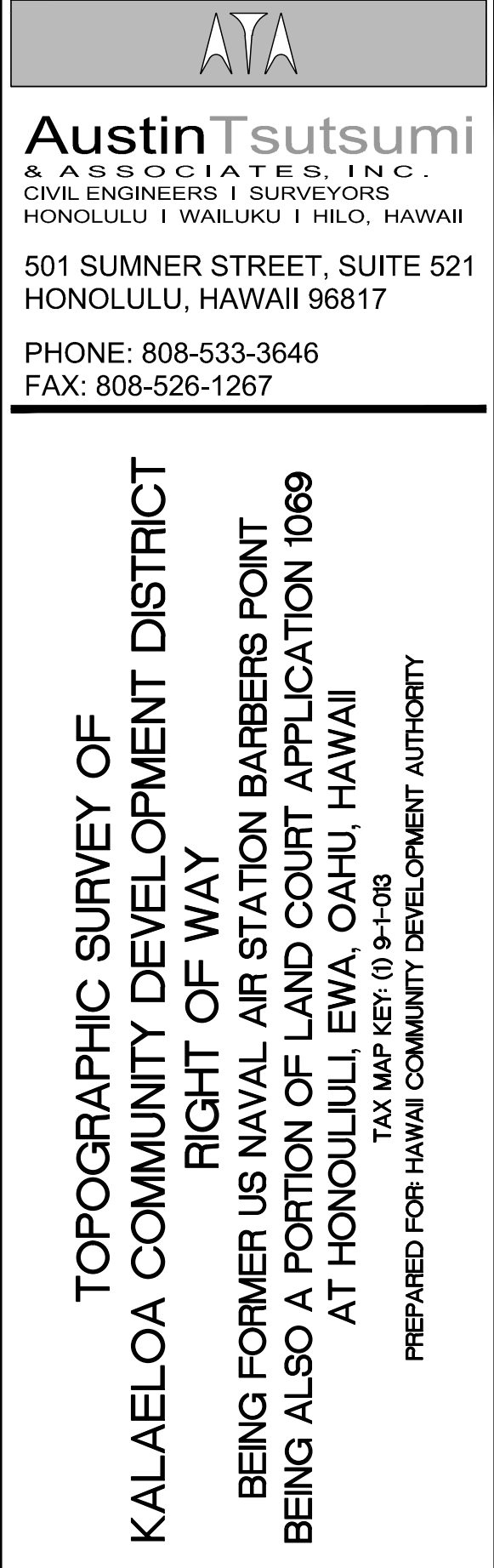


| LEGEND:                                                                               |                                      |                                                                                       |                  |
|---------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaheola Master Plan New Road       |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |









|                                                                                       |                  |
|---------------------------------------------------------------------------------------|------------------|
|  | Asphalt Road     |
|  | Coral Road       |
|  | Chain Link Fence |
|  | Wooden Fence     |
|  | PVC Fence        |
|  | Wire Fence       |
|  | Guard Rail       |

[illegible]



TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULU, EWA, OAHU, HAWAII  
TAX MAP KEY: (I) 9-1-018  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

SIGNATURE \_\_\_\_\_ APRIL 30, 2020  
EXP. DATE OF THE LICENSE

[illegible]

Project No: 18-029

Scale: 1" = 40'

Date: 7/18/2019

Designed By: \_\_\_\_\_

Drawn By: JK

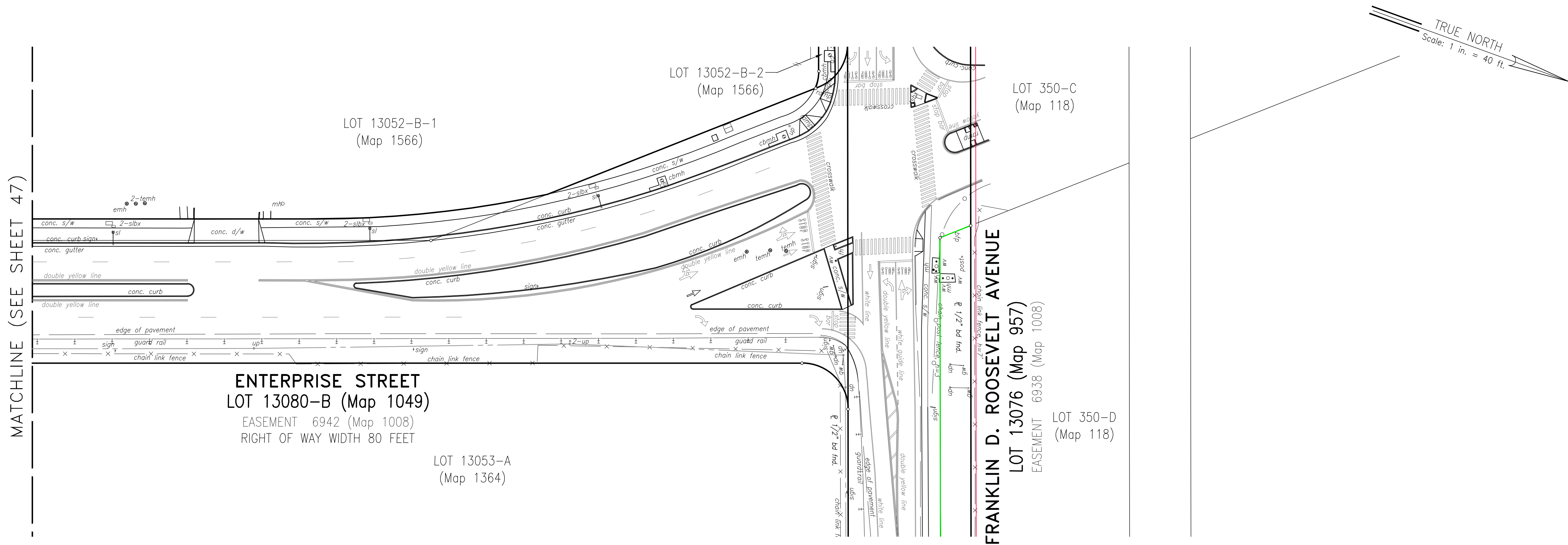
Checked By: EK

DWG. NO.

# T-48

SHEET 48 OF 54

|      |        |        |     |
|------|--------|--------|-----|
| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|



ABBREVIATIONS:

|       |                       |       |                         |        |                                |
|-------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
| arv   | air release valve     | gw    | guy wire                | tebx   | telephone box                  |
| bc    | bottom curb           | h     | height                  | temh   | telephone manhole              |
| bfp   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| catv  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc. | concrete              | ref   | reflector               | typ.   | typical                        |
| comm. | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di    | drain inlet           | sl    | street light            | wrn    | water meter                    |
| ebx   | electric box          | slbx  | street light box        | wrmh   | water manhole                  |
| elec. | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| fund. | found                 |       |                         |        |                                |

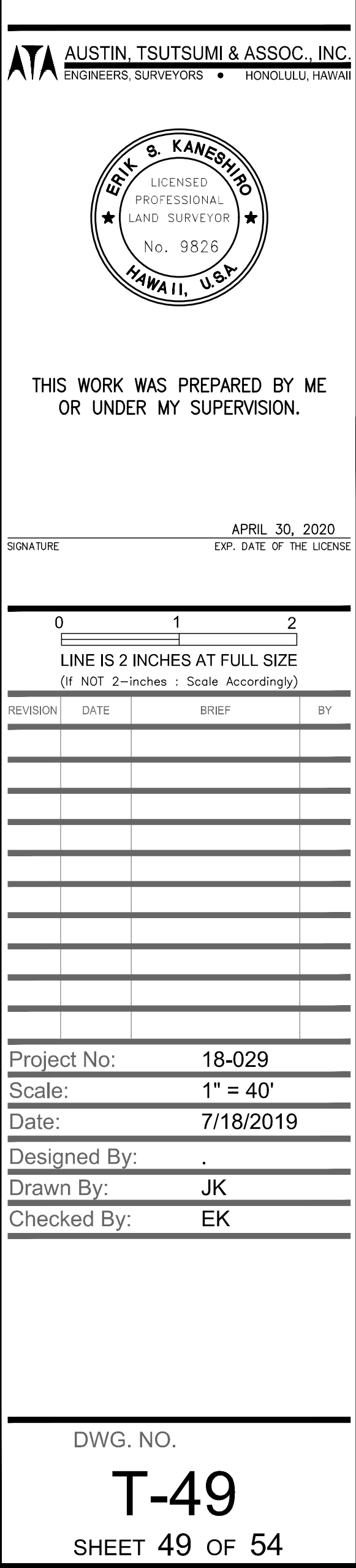
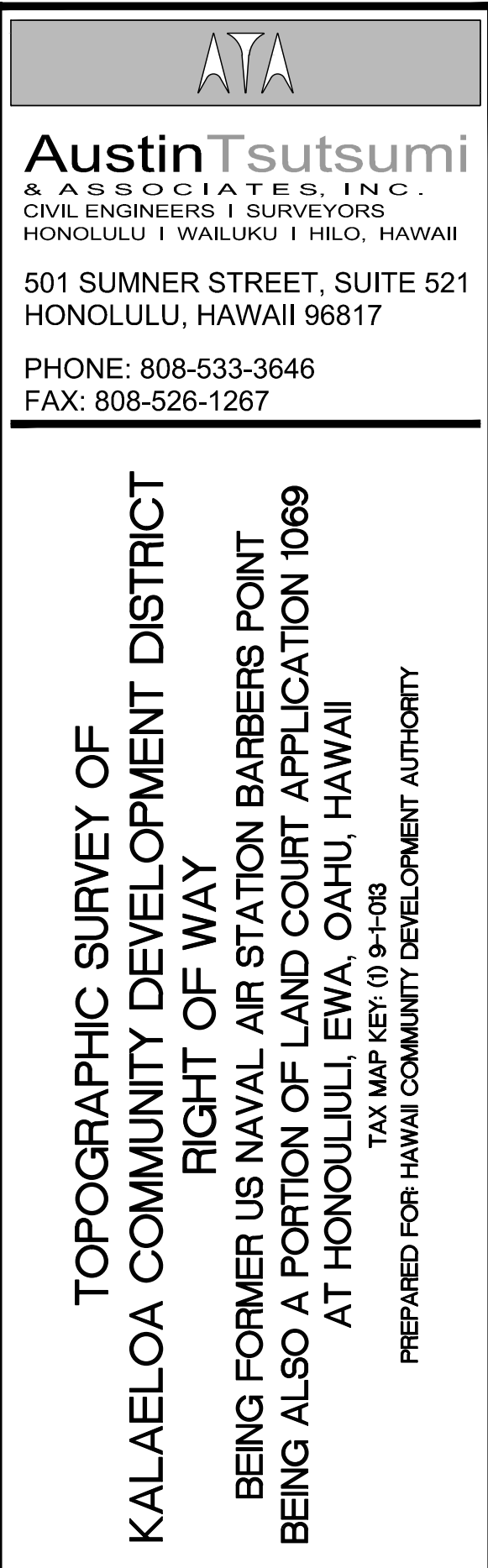
NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

LEGEND:

|                                                                                       |                                      |                                                                                       |                  |
|---------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
|  | Existing Right of Way                |  | Coral Road       |
|  | Kapolei Adjoining Boundary           |  | Chain Link Fence |
|  | Kalaeloa Master Plan New Road        |  | Wooden Fence     |
|  | Proposed Right of Way Plan by Others |  | PVC Fence        |
|  | Overhead Electrical Line             |  | Wire Fence       |
|  | Asphalt Road Crosses Existing ROW    |  | Guard Rail       |





**LEGEND:**

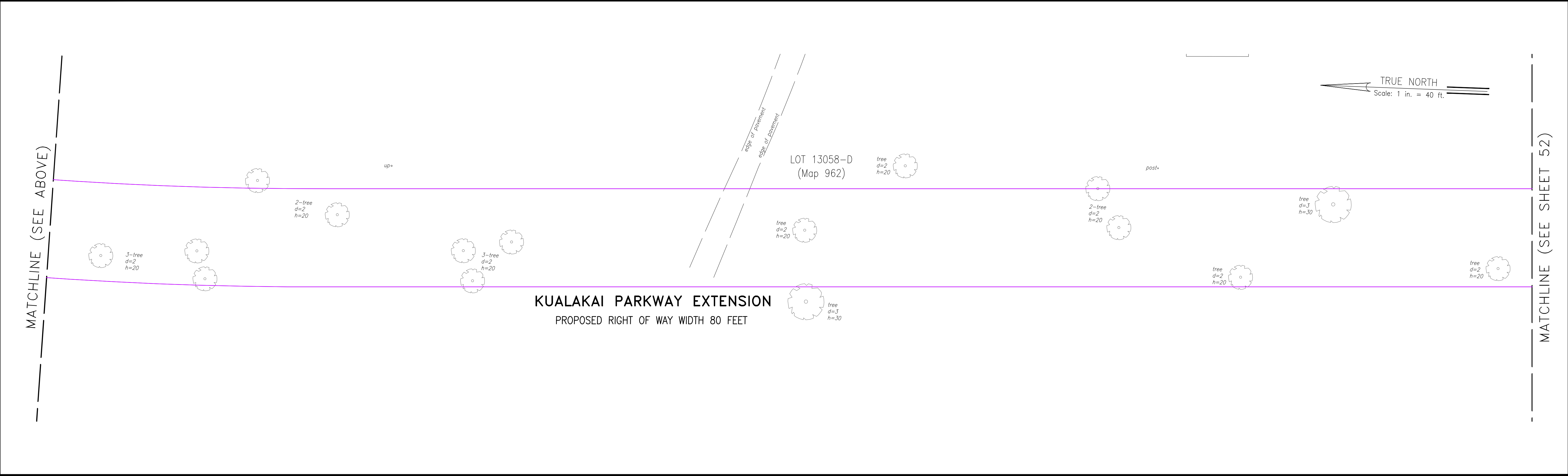
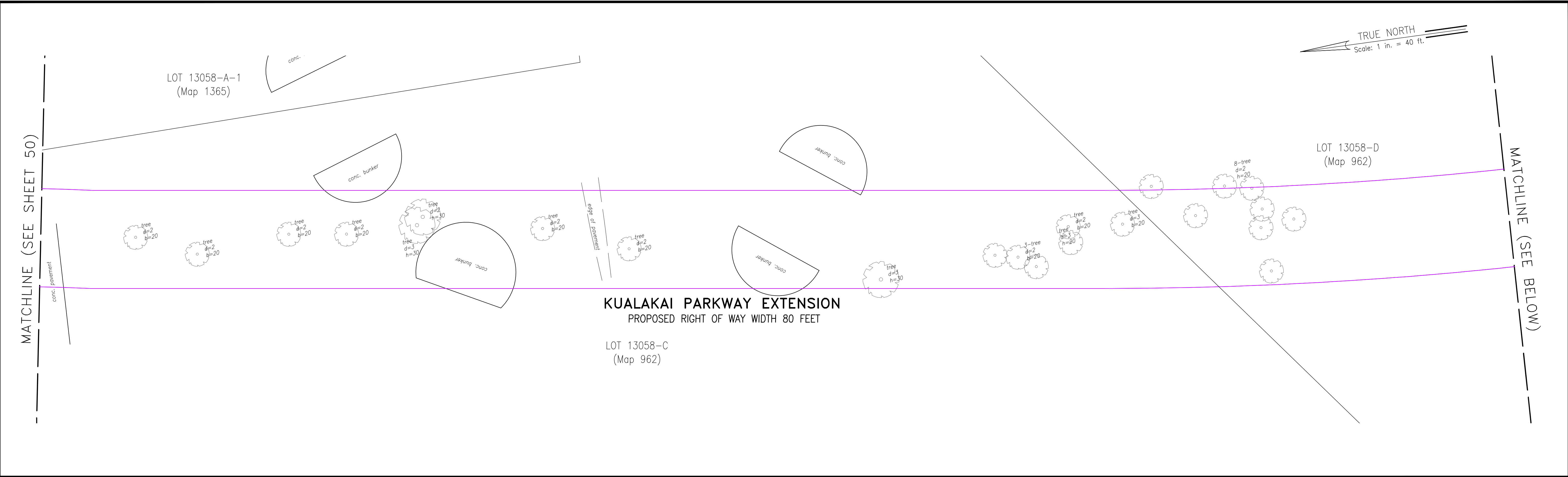
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|---------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
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Y:\2018\18-029\SURVEY\DWG\ADJUSTED 18-029 KALAELOA RIGHT OF WAY TOPO.DWG  
JOB NO. 19-300 DATE: 03/119



ABBREVIATIONS:

|       |                       |       |                         |        |                                |
|-------|-----------------------|-------|-------------------------|--------|--------------------------------|
| ac    | asphalt concrete      | gp    | gate post/guy post      | tc     | top curb                       |
| arv   | air release valve     | gw    | guy wire                | tebx   | telephone box                  |
| bc    | bottom curb           | h     | height                  | temh   | telephone manhole              |
| bfp   | back flow preventer   | mh    | manhole                 | tsl    | traffic signal light           |
| cabx  | cable television box  | pav't | pavement                | tslb   | traffic signal light box       |
| cstv  | cable television      | pbx   | panel box               | tvbx   | television box                 |
| cbmh  | catch basin manhole   | pvc   | polyvinyl chloride      | trans. | transformer                    |
| conc. | concrete              | ref   | reflector               | typ.   | typical                        |
| comm. | communication manhole | rpm   | raised pavement marking | up     | utility pole                   |
| d     | diameter              | sc    | sewer chimney           | up/sl  | utility pole with street light |
| di    | drain inlet           | sl    | street light            | wm     | water meter                    |
| ebx   | electric box          | slbx  | street light box        | wmh    | water manhole                  |
| elec. | electric              | sdmh  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| fn.   | found                 |       |                         |        |                                |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW" Δ.

LEGEND:

|  |                                      |  |                  |
|--|--------------------------------------|--|------------------|
|  | HCDA Proposed Right of Way           |  | Asphalt Road     |
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ATA

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ERIK S. KANEHIRO

LICENSED  
PROFESSIONAL  
LAND SURVEYOR  
No. 9826  
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

SIGNATURE \_\_\_\_\_ APRIL 30, 2020  
EXP. DATE OF THE LICENSE

0 1 2  
LINE IS 2 INCHES AT FULL SIZE  
(If NOT 2-inches : Scale Accordingly)

| REVISION | DATE | BRIEF | BY |
|----------|------|-------|----|
|          |      |       |    |
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|          |      |       |    |

Project No: 18-029  
Scale: 1" = 40'  
Date: 7/18/2019  
Designed By: .  
Drawn By: JK  
Checked By: EK

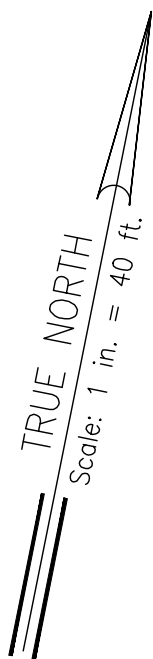
DWG. NO.  
**T-51**  
SHEET 51 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
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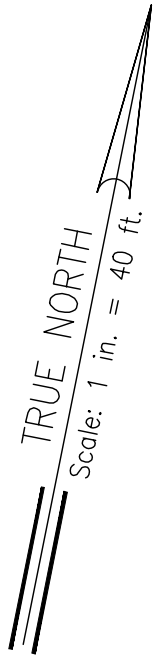




MATCHLINE (SEE BELOW)

TOPOGRAPHIC SURVEY OF  
KALAELOA COMMUNITY DEVELOPMENT DISTRICT  
RIGHT OF WAY  
BEING FORMER US NAVAL AIR STATION BARBERS POINT  
BEING ALSO A PORTION OF LAND COURT APPLICATION 1069  
AT HONOLULULI, EWA, OAHU, HAWAII  
TAX MAP KEY (I) 9-1-018  
PREPARED FOR HAWAII COMMUNITY DEVELOPMENT AUTHORITY

PREPARED FOR: HAWAII COMMUNITY DEVELOPMENT AUTHORITY

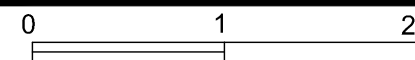


MATCHLINE (SEE SHEET 54)

**AUSTIN, TSUTSUMI & ASSOC., INC.**  
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THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

APRIL 30, 2020  
EXP. DATE OF THE LICENSE

LINE IS 2 INCHES AT FULL SIZE  
(If NOT 2-inches : Scale Accordingly)

[illegible]

Subject No: 18-029

Scale:  $1'' = 40'$

e: 7/18/2019

Signed By: \_\_\_\_\_

own By: JK

Checked By: EK

100

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DWG. NO.

T 50

-53

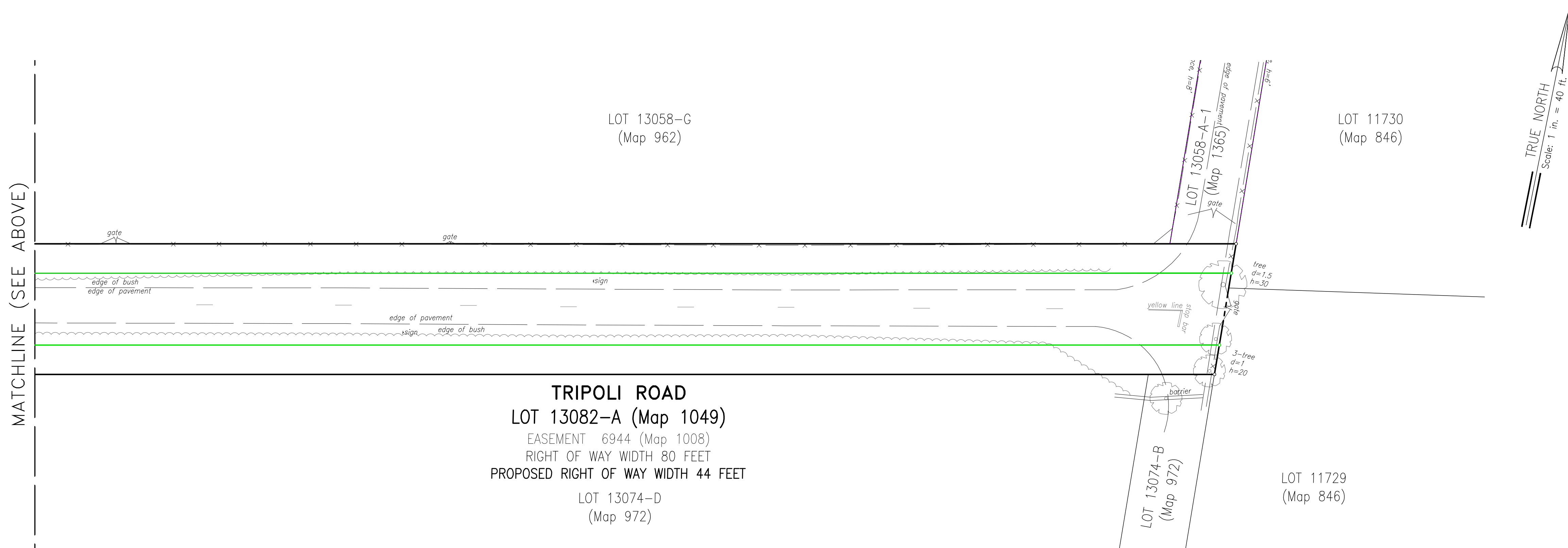
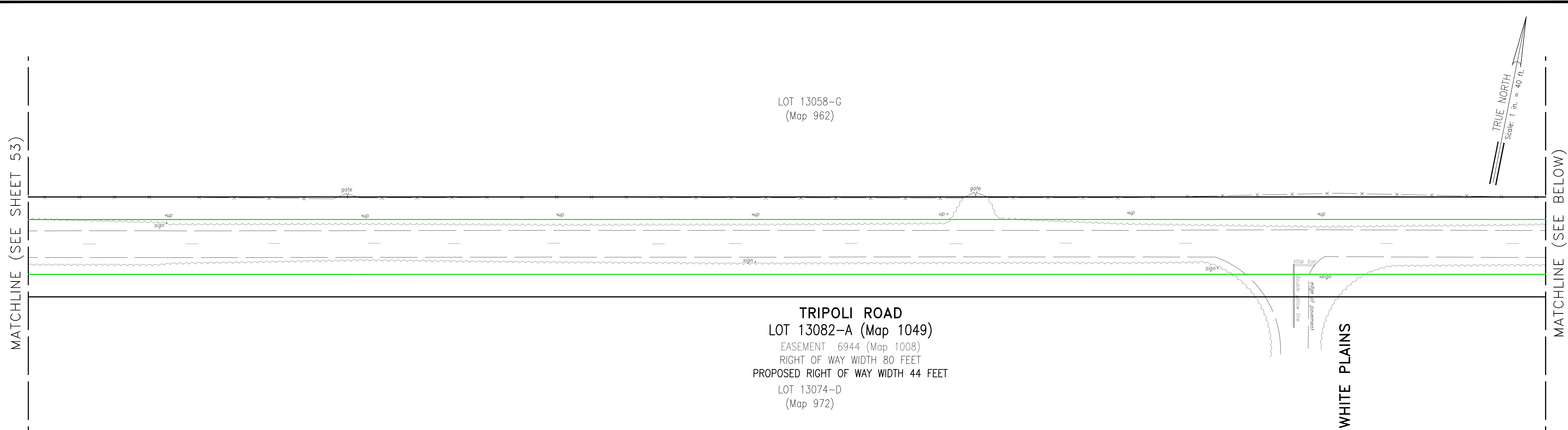
SHEET 53 OF 54

SHEET 33 OF 34

|      |        |        |  |
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| FILE | POCKET | FOLDER |  |
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ABBREVIATIONS:

|       |                       |       |                         |        |                                |
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| ebx   | electric box          | sibx  | street light box        | wnh    | water manhole                  |
| elec. | electric              | smbx  | storm drain manhole     | wv     | water valve                    |
| elev  | elevation             | smh   | sewer manhole           |        |                                |
| emh   | electric manhole      | sta   | station                 |        |                                |
| fh    | fire hydrant          | s/w   | sidewalk                |        |                                |
| fd.   | found                 |       |                         |        |                                |

NOTES:

1. Azimuths referred to Government Survey Triangulation Station "KAPUAI NEW"  $\Delta$ .

LEGEND:

|                                                                                       |                                      |                                                                                       |                  |
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**AustinTsumumi**  
& ASSOCIATES, INC.  
CIVIL ENGINEERS • 1 SURVEYORS  
HONOLULU • WAILUKU • HILO, HAWAII

501 SUMNER STREET, SUITE 521  
HONOLULU, HAWAII 96817

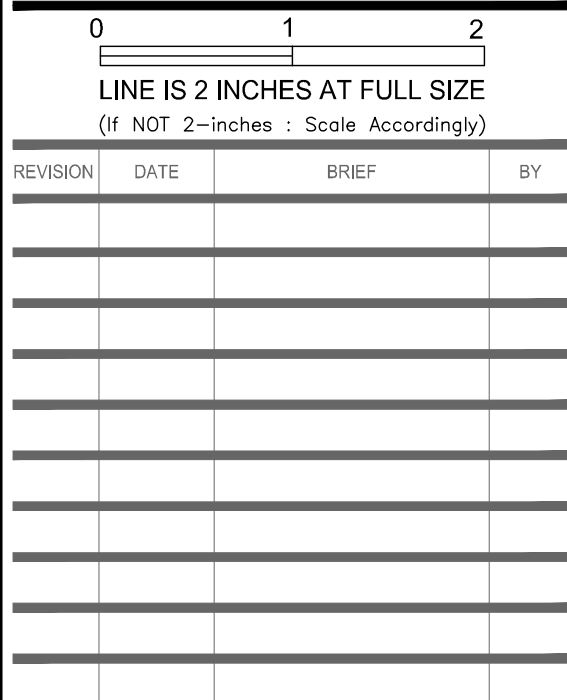
PHONE: 808-533-3646  
FAX: 808-526-1267

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OR UNDER MY SUPERVISION.

SIGNATURE \_\_\_\_\_ APRIL 30, 2020  
EXP. DATE OF THE LICENSE



Project No: 18-029

Scale: 1" = 40'

Date: 7/18/2019

Designed By:

Drawn By: JK

Checked By: Ek

DWG. NO.

# T-54

SHEET 54 OF 54

| FILE | POCKET | FOLDER | NO. |
|------|--------|--------|-----|
|      |        |        |     |