#### DEPARTMENT OF HAWAIIAN HOME LANDS STATE OF HAWAII

#### APRIL 19, 2016

#### ADDENDUM NO. 2

TO

#### PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

#### FOR

#### VILLAGES OF LAIOPUA BRUSH CLEARING & MAINTENANCE

#### KEALAKEHE, NORTH KONA, HAWAII

#### IFB No.: IFB-16-HHL-010

#### NOTICE TO ALL PROSPECTIVE BIDDERS

This addendum is hereby made a part of the PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND for the VILLAGES OF LAIOPUA BRUSH CLEARING & MAINTENANCE, KEALAKEHE, NORTH KONA, HAWAII, and it shall amend the said contract documents as detailed within this Addendum document.

APPROVED:

Date: <u>April 19, 2016</u>

Norman Sakamoto, LDD Acting Administrator Department of Hawaiian Home Lands

Please detach, execute, and return immediately, the receipt below, to the Department of Hawaiian Home Lands, Hale Kalanianaole, 91-5420 Kapolei Parkway, Kapolei, Hawaii or transmit facsimile to (808) 620-9299.

Receipt of Addendum No. 2 for the VILLAGE OF LAIOPUA BRUSH CLEARING & MAINTENANCE, KEALAKEHE, NORTH KONA, HAWAII, is hereby acknowledged.

 Signed\_\_\_\_\_
 Title\_\_\_\_\_

 Firm\_\_\_\_\_
 Date\_\_\_\_\_

#### ADDENDUM NO. 2

#### APRIL 19, 2016

#### ТО

#### PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

#### FOR

#### VILLAGES OF LAIOPUA BRUSH CLEARING & MAINTENANCE

#### KEALAKEHE, NORTH KONA, HAWAII

#### IFB No.: IFB-16-HHL-010

#### ITEM NO. 1 REVISED PLAN SET

Replace original plans in its entirety with the revised set of plans attached to ADDENDUM NO. 2 (4-19-16).

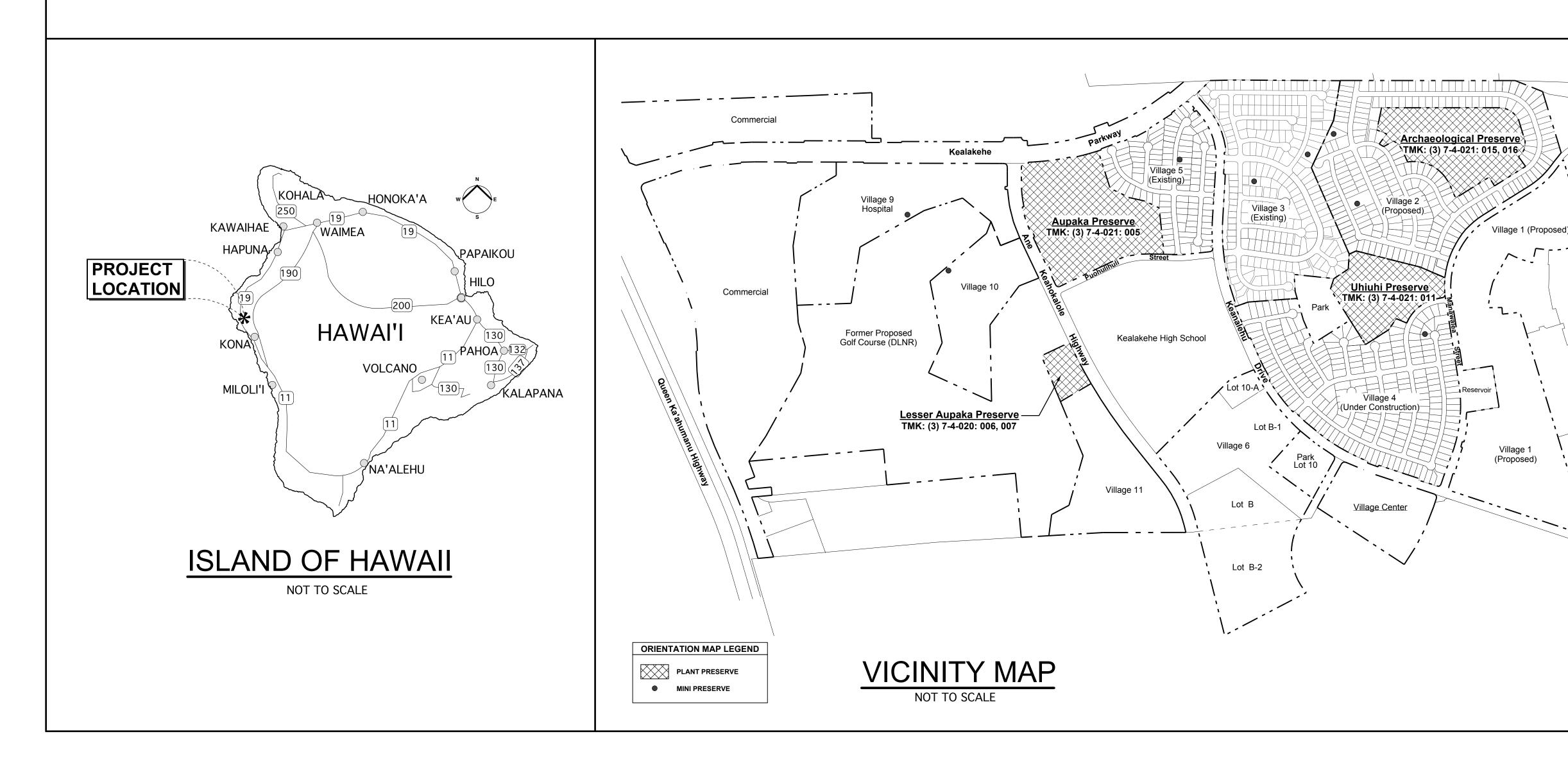
#### **ITEM NO. 2 REPLACE SHEET TS-1.2 SPECIAL CONDITION NOTES**

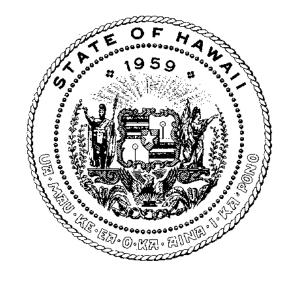
Replace Drawing No. TS-1.2 Special Condition Notes with revised Drawing No. TS-1.2 Special Condition Notes Addendum lattached to ADDENDUM NO. 2 (4-19-16).

# STATE OF HAWAI'I DEPARTMENT OF HAWAIIAN HOME LANDS IFB-16-HHL-010

# VILLAGES OF LA'I 'OPUA **BRUSH CLEARING & MAINTENANCE**

KEALAKEHE, NORTH KONA, HAWAII T.M.K. (3) 7-4-021:005,006,010,011,012,015,016





## CONSULTANTS:

## b+k design group, llc

16-643 KIPIMANA STREET, SUITE 12, KEA'AU, HAWAI'I 96749 PHONE: 808.969.9533 / FAX: 808.969.9534

LANDSCAPE ARCHITECT

## **INDEX TO DRAWINGS**:

#### SHEET SHEET TITLE

| TS-1.1<br>TS-1.2 | TITLE SHEET & INDEX TO DRAWINGS<br>SPECIAL CONDITIONS NOTES            |
|------------------|--|
| L-1.1            | BRUSH CLEARING PLAN - AUPAKA PRESERVE BOUNDARY                         |
| L-1.2            | BRUSH CLEARING PLAN - UHIUHI PRESERVE & VILLAGE 2, 3, AND 4 BOUNDARIES |
| L-1.3            | BRUSH CLEARING PLAN - VILLAGE 3 & PROPOSED VILLAGE 2 BOUNDARY          |
| L-1.4            | BRUSH CLEARING PLAN - VILLAGE 4 & UHIUHI PRESERVE BOUNDARY             |
| L-1.5            | BRUSH CLEARING PLAN - VILLAGE 5 & AUPAKA PRESERVE BOUNDARY             |

## **APPROVED:**

|  | RMAN,<br>E OF H |   | IES COMMISSION  |  | DA          | ATE        |
|--|-----------------|---|---|--|-------------|------------|
|  |                 |   |   |  |             |            |
|  |                 |   |   |  |             |            |
| REVISION<br>NO.  | SYM.            |   | DESCRIPTION   |  | SHT<br>OF   | DATE       |
| NARD T. O  |                 |   | DEPARTMENT OF HAWAIIAN HOME LANDS<br>STATE OF HAWAI'I |  |             |            |
| LICENSED<br>PROFESSIONAL<br>LANDSCAPE<br>ARCHITECT<br>No. 8364 |                 | VILLAGES OF LA'I 'ŌPUA<br>BRUSH CLEARING & MAINTENANCE<br>KEALAKEHE, NORTH KONA, HAWAII |   |  |             |            |
|  | WAI             | PREPARED BY ME  | Title S   | heet & Index   | To Drawii   | ngs        |
|  |                 | SUPERVISION   | 16-643 Kipimana St., Suite                            | n <b>group, llc</b><br>e 12, Keaau, Hawaiʻi 96749<br>Fax: (808) 969-9534 | PROJECT NO. | DRAWING NO |
| Lem Bines 4/30/16  |                 | DESIGNED BY:<br>LTB<br>DRAWN BY:  | CHECKED BY:<br>LTB                                    | DATE<br>February,  | sheet<br>1  |            |
|  |                 | p   | LTB/MMT   | LTB  | 2016        | OF         |

| SPECIAL ( | CONDITIONS | NOTES |
|-----------|------------|-------|
|-----------|------------|-------|

- SC-1: Access to Work Sites:
  - The "Preserves" include four (4) distinct and separate locations. The Aupaka Preserve: TMK (3) 7-4-21:05, Lot 13, the Lesser Aupaka Preserve: TMK (3) 7-4-8:07 and the Uhiuhi Preserve: TMK (3) 7-4-21:011, Lot 19. All of the Preserves harbor endangered plant species, which are protected under State and Federal laws. Damaging or destroying these plants will result in State and Federal criminal prosecution. This scope of work also includes one mini preserve, the Mini Uhiuhi Preserve which is located on Lot No. 108 within Village 4 (Akau). The Archaeological Preserve: TMK 7-4-21:016, Lot 24 does not contain endangered plant species, however, the protocols for working in or around this preserve will be the same as for the all others.
  - 2. Except to assist in fire suppression, the Contractor shall not enter the Preserves and shall notify its personnel and sub-contractors not to either, except where expressly indicated or while accompanied by an authorized representative of DHHL.
  - 3. DHHL and/or an authorized representative will hold a briefing to inform the Contractor of special requirements that it must comply with while doing work in or around these areas, before DHHL will allow any work around the Preserves. Attendance at this briefing, by the Contractor and any personnel who will be working around the Preserves, shall be mandatory.
  - 4. Authorized Representatives include the following:
    - Jeffrey Fujimoto, Department of Hawaiian Home Lands, DHHL Project Engineer (808) 620-9274
    - Leonard Bisel, b+k design group, llc Consulting Landscape Architect (808) 969-9533
  - 5. Site Manager:
    - a. Jill Wagner (Future Forest Nursery) Hawaii Forest Industry Association (HFIA) Site Manager (808) 325-2377

#### SC-2: Fire Contingency Plan:

- Prior to the start of any Work, the Contractor shall prepare and file a written Fire Contingency Plan with the Project Manager for review and acceptance. The Fire Contingency Plan shall incorporate the following features as a minimum:
  - Communication System: Prior to any on-site actions the Contractor a. shall establish a communications system capable of reaching local emergency services. The job supervisor or his designee must carry a cellular telephone at all times. Communication linkages must be maintained with all emergency services until completion and acceptance of the Work covered by this Contract.
  - Development of a Firefighting Plan: The Contractor will be b. responsible to maintain fire control at all times. The Contractor shall establish an organization for firefighting, to include personnel training, equipment, and procedures. Elements of the plan will include, as a minimum:
    - Provide each person working on brush clearing and maintenance work with a dedicated 5 gallon poly tank backpack, which is specifically designed for fire suppression. Tanks shall be fitted with a pistol grip and nozzle capable of providing a 35' sprav/flow (Indian M100 Polv Tank by FireEnd Fire Services Products (800-759- 3473 or approved equal).
      - Personnel shall be given work assignments that always place them in the immediate area of work and with immediate access to a (full) fire suppression backpack upon notice of suspicion of fire.
      - A reserve tank (100 gallon min. capacity) for re-filling fire suppression backpacks) shall be kept full to capacity at all times and within immediate access of active brush clearing and firebreak maintenance Work. Reserve tank shall be fitted with a high flow manual valve and a flexible hose to allow fire suppression backpack(s) to be filled quickly.
    - Ensuring that all personnel that will be working on brush clearing and firebreak maintenance work receive, and certify in the Fire Contingency Plan that they have received the following:
      - Training in operation of fire suppression backpack;
      - Instruction in priority contact with Hawaii County Fire Department, the Contractor's job supervisor, the Hawaii County Office of Civil Defense, DLNR-DOFAW (Hilo Office) and the Project Manager;
      - Certification that they have been taught basic brush firefighting techniques, if provided, by the Hawaii County Fire Department;
      - Identification and knowledge of the location(s) of nearest water source(s) for filling tanker;
      - Training in the recognition, prevention and correction of fire hazards.

The Contractor shall not commence with any clearing and grubbing until DHHL has accepted the Fire Contingency Plan and notified the Contractor that he/she may proceed. This work, including preparation, submittal, filing, and processing the Fire Contingency Plan for DHHL acceptance, and all labor, materials and equipment necessary for its implementation throughout the duration of the contract shall not be paid for separately, but shall be included in the various contract items.

#### SC-3: Definition of Limit of Work Boundaries:

Prior to the start of any clearing, grubbing or construction, the Contractor (under the direct observation of a DHHL Authorized Representative) shall clearly mark the ground surface, along the base of the entire length of the Limit of Work Boundary. The Limit of Work boundary shall be spray painted with a minimum 2-inch wide dashed line using fluorescent paint, either orange or pink, with 12-inch minimum lengths at maximum 2-feet on center. a. The Limits of Work for the brush clearing and maintenance shall be either 25'-0" or 55'-0" setback from the property/ preserve boundary as indicated on the construction drawings (Sheets L-1.1, L-1.2, L-1.3, L-1.4, and L-1.5), unless indicated otherwise or approved by a DHHL Authorized Representative. 2. Marking shall not be required if existing, permanent barbed wire, hog wire, chain link fencing, or preserve barriers are already in place which (at the discretion of the DHHL Authorized Representative) will serve the purpose of defining the Limit of Work between the Preserve interior and the proposed brush clearing and maintenance Work. SC-4: Initial Inspection After the Limit of Work marking has been completed, and prior to any brush clearing and maintenance Work, the Contractor shall contact a DHHL Authorized Representative and the Site Manager to inspect and provide a determination as to which if any native plants growing within the Limits of Work should remain. The Contractor shall provide at least ten (10) working days in advance notice of the inspection to the DHHL Authorized Representative. The Contractor shall accompany the DHHL Authorized Representative and the Site Manager during the inspection and immediately fence any plant(s) that the DHHL Authorized Representative and/or Site Manager designates to remain during the inspection by installing temporary orange plastic construction fencing at least 5-feet from and completely encircling each plant. Any adjustments to the brush clearing and firebreak maintenance Work resulting from the need to save an existing native plant will be made in the field and shall be documented with a Field Order. Upon completion, and DHHL acceptance, of the above Work, DHHL will notify the Contractor that he/she may proceed with the brush clearing and maintenance work. SC-5: Brush Clearing and Maintenance After the Limit of Work marking has been completed and a DHHL Authorized Representative and Site Manager has conducted an Initial Inspection of the areas designated for brush clearing and maintenance to designate existing plants to remain, the Contractor shall then remove all other vegetation and dispose of it off-site.

> Upon completion of the brush clearing and maintenance, the Contractor shall notify DHHL in writing that the work has been completed and request inspection. DHHL will schedule an inspection by its representative no sooner than ten (10) working days after receipt of the request. If DHHL finds that all vegetation not designated to remain has been removed and the brush clearing and fire break completed to its satisfaction, DHHL will notify the Contractor in writing that the work has been accepted and the Contractor may continue with the application of herbicide to the areas within the Limits of Work.

> The Contractor should complete the brush clearing within forty (40) working days of the issuance of Notice to Proceed for the Contract.

Herbicide Application: No sooner than fifteen (15) working days after DHHL notification that the Brush Clearing and Maintenance Period can begin – but no later the twenty (20) working days – the Contractor shall apply herbicide per the manufacturer's specifications to the areas within the Limits of Work, except within 20-feet of any plant designated to remain by DHHL.

a. Woody plants such as *Leucaena leucocephala/*Haole Koa shall be cut flush with the ground and treated with a brushspecific herbicide such as Garlon 4 (or approved equal). Herbicide forgrasses such as *Pennisetum setaceum*/ Fountain Grass shall be treated with herbicide such as Round-Up (or approved equal).

Contractor shall be aware of wind speeds and ensure that herbicide drift does not result in the death of Federally listed plants. Herbicide shall not be sprayed near the Preserve(s) during windy weather conditions and application shall be manually controlled. Low volume spray equipment (such as back packs) should be utilized, using low pressure in applying herbicides. Drift reduction nozzle tips and drift retardant addmixtures should also be used. Mechanically controlled and/or high volume spray equipment shall not be used to apply herbicide near Preserves.

Submit the herbicide Manufacturer Safety Data Sheets (MSDS) and proposed method of application to DHHL for acceptance prior to use. Contractor shall adhere to specified wind speeds identified in the label requirements when applying herbicides.

d.

C.

Special Condition-6 (see following section) will govern areas outside of the Limit of Work and Fire Break killed-off by fire . or unauthorized spraying, herbicide drift, clearing, grubbing, or grading in the Preserves. The Contractor will be subject to applicable penalties under State and Federal Endangered Species laws for any endangered plants destroyed by herbicide drift.

2.

#### SC-6: Fire or Unauthorized Spraying, Clearing, Grubbing, Grading In Preserves:

- Limits of Work boundaries established adjacent to the Preserves under SC-3 above. If there is drift from herbicide, or any other encroachment, be reported to the US Fish and Wildlife Service. Contact Office of Law endangered species law, codified in Hawai'i Revised Statutes, Chapter 195D. Failure to report could result in further liability.
- penalties that might be assessed per Federal or State law.
- contract the amount.

Preserves:SC-7 Additional Work Procedures

- 1. The Contractor shall comply with the following measures for the duration of the Contract:
  - а. condition the follow equipment:
    - member, as described in SC-2.
    - backpacks) as described in SC-2.
    - iii.
  - The Contractor shall implement the following work procedures: b.
    - level at a maximum with daily checks;
    - increase fire and site pollution risk;
    - iii.

    - required by Federal and State law.
  - site in a manner approved by the Project Manager.
  - d. reporting to the site.

  - feet upwind of the Preserves.
  - α. distance, of the Preserve.
  - nitrogen compound to counteract leaching.

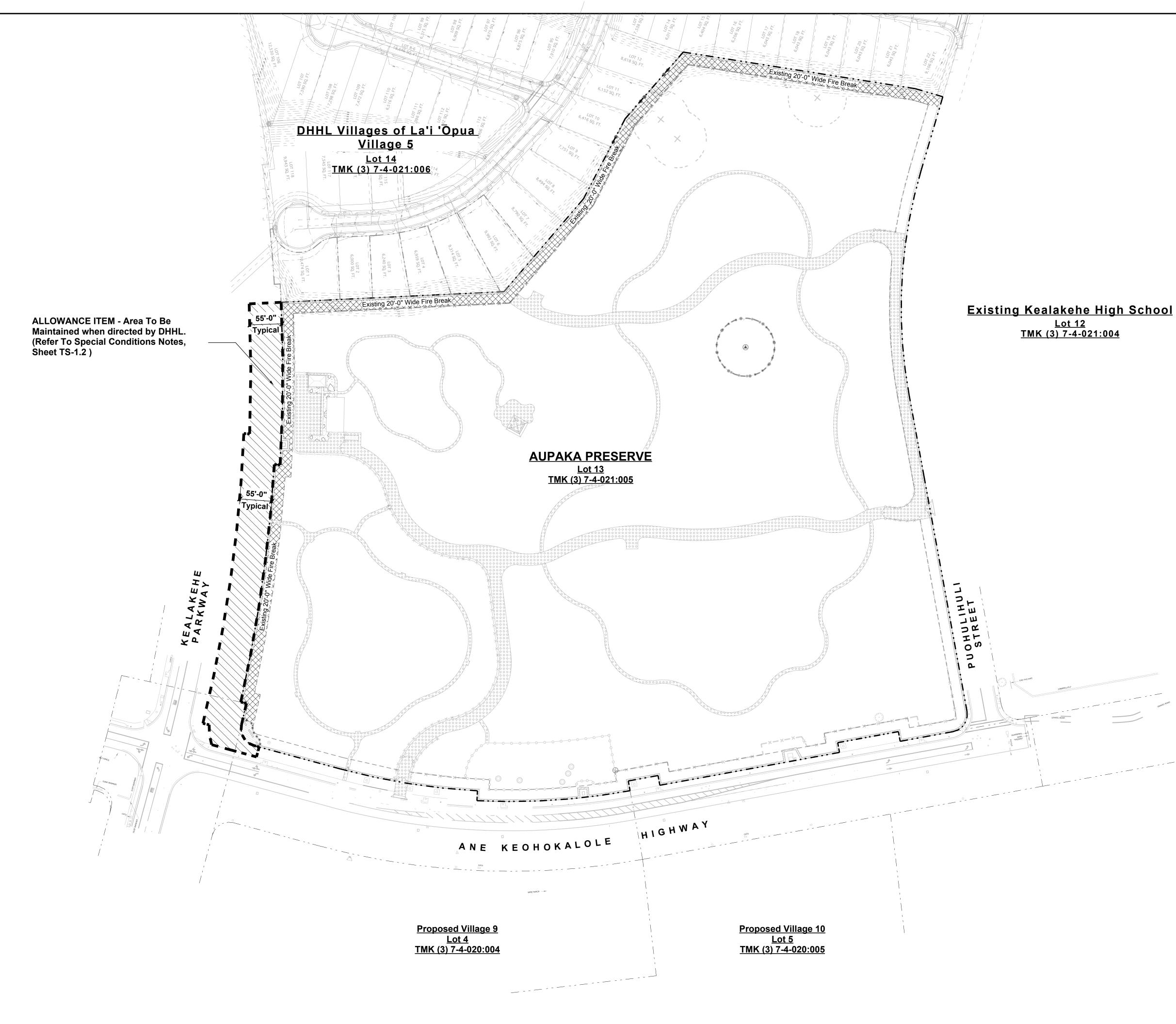
the death of each non-Threatened and Endangered native plant species. A minimum fine of \$500.00 will be assessed to the species. These minimum fines are in addition to any fines or One (1) 5 gallon fire suppression backpack for each crew Reserve tank (100 gallon min.) for re-filling fire suppression Approved protective clothing; Cellular telephone for each crew member. Maintaining poly tank backpack(s) and reserve tank(s) water Weekly inspection of all construction activities, which could Weekly inspection to ensure the integrity of Fire Breaks; Prohibit the presence of glass containers on site at all times iv. v. Ensure that all vehicles have fire control apparatus as of the Contract. All flammable rubbish, refuse, plant material from grubbing and clearing, packing materials, crating or other combustibles shall be removed from the site, and disposed of offthe presence of endangered plant species, purposes of mitigative actions to insure their protection, and fire and pollution prevention purposes and actions. New personnel of the Contractor, and those of subcontractors, shall be given complete orientation when first the Preserves. The requirements indicated in this section, except for those pertaining to tanker maintenance and operation shall be made part of any of the agreements between the Contractor and any subcontractors retained by it. Payment for any work necessary to comply with the requirements of this section shall not be paid for separately, but shall be included in the various contract items. SHT. REVISION SYM. DESCRIPTION DEPARTMENT OF HAWAIIAN HOME LANDS NARD 7 STATE OF HAWAI'I LICENSED VILLAGES OF LA'I 'ŌPUA PROFESSIONAL LANDSCAPE BRUSH CLEARING & MAINTENANCE ARCHITECT KEALAKEHE, NORTH KONA, HAWAII No. 8364

WAII

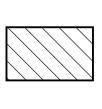
1. The Contractor shall not spray herbicide, clear, grub, or grade beyond the and it causes the death of a Threatened and Endangered species, it must Enforcement, Hilo (808) 933-6964. Take of an endangered species is prohibited under the Endangered Species Act and the State of Hawai'i A minimum fine of \$250.00 will be assessed to the Contractor for Contractor for the death of each Threatened and Endangered The fines described above will be assessed by deducting from the The Contractor shall maintain at the site at all times and in good The Contractor shall not burn any material on-site for the duration The Contractor shall provide on-site training to all personnel as to Construction equipment and vehicles shall not be parked uphill of Construction equipment and vehicles shall not be idled within 500-Fueling points shall not be located uphill, irrespective of the All spilled fuels shall be immediately processed with an approved

## **Special Conditions Notes**

| THIS WORK WAS PREPARED BY ME |                            |  |                   |             |  |  |
|------------------------------|----------------------------|--|-------------------|-------------|--|--|
| OR UNDER MY SUPERVISION      | 16-643 Kipimana St., Suite | n <b>group, llc</b><br>12, Keaau, Hawai'i 96749<br>Fax: (808) 969-9534 | PROJECT NO.       | drawing no. |  |  |
| Jerm Bin                     | DESIGNED BY:<br>LTB        | CHECKED BY:<br>LTB   | DATE              | SHEET       |  |  |
| Expires 4/30/16              | DRAWN BY:<br>LTB           | APPROVED BY:<br>LTB  | February,<br>2016 | OF7SHTS     |  |  |



APPROXIMATE LIMITS OF WORK - - - -



AREA TO BE MAINTAINED: Refer to Sheet TS-1.2 for Special Conditions Notes. (Approx. 43,911 Square Feet Total Condition "E", This Sheet)

EXISTING 20'-0" WIDE FIREBREAK

## BRUSH CLEARING/HERBICIDE APPLICATION DESCRIPTIONS

**Condition "A":** Tractor mowing of previously cleared/grubbed areas, such as roadways and house pads.

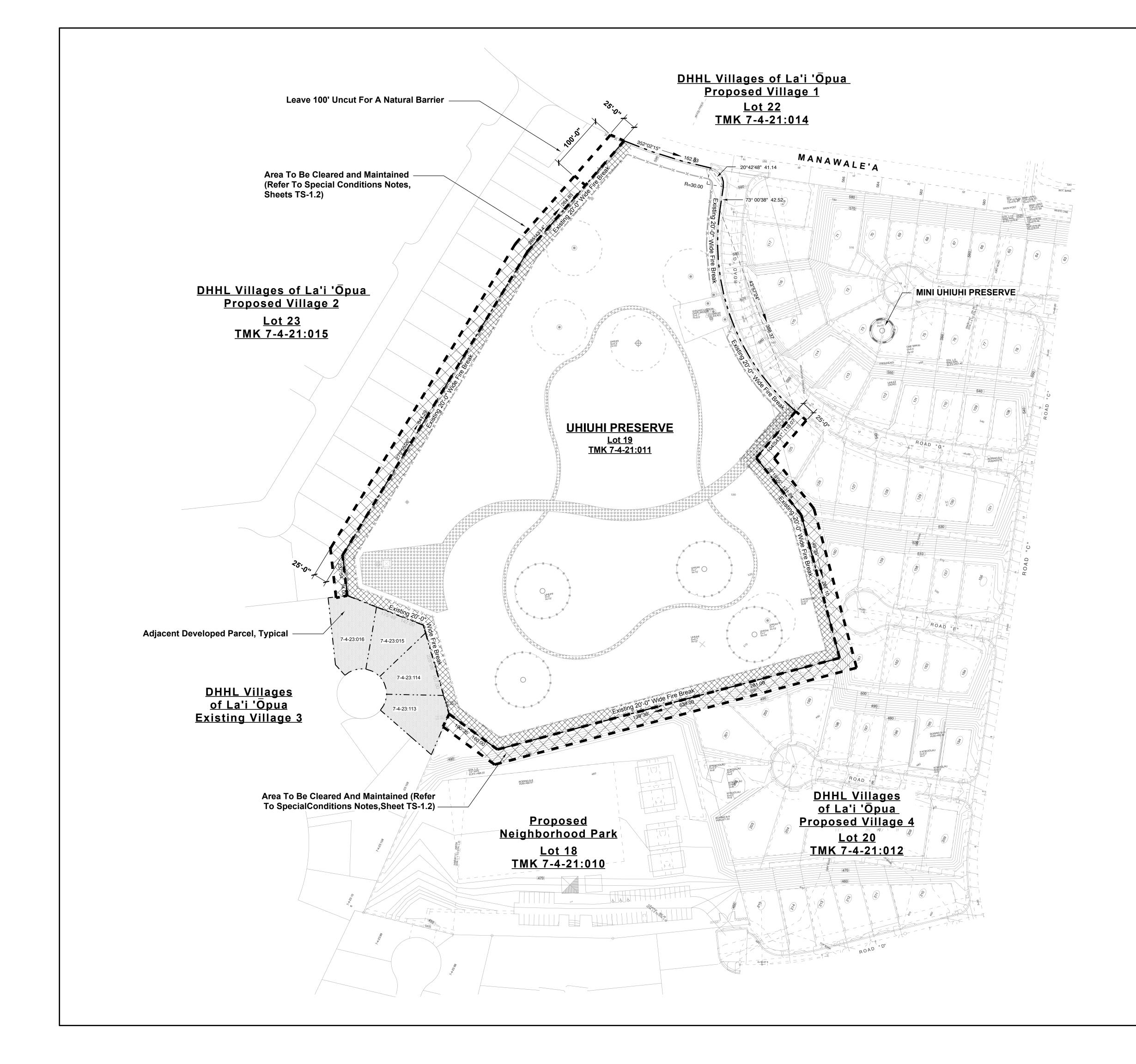
**Condition "B":** No tractor access. Entire maintenance to be performed by hand, includes the use of gas powered trimmers and hand tools on previously cleared grubbed areas.

**Condition "C":** Same as Condition "B" described above, but on undisturbed terrain.

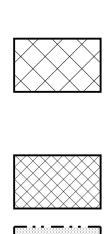
**Condition "D":** Herbicide after clearing to extend maintenance intervals in hard to access or sensitive areas using backpack sprayers (in addition to Conditions A, B, or C). Herbicide mix shall consist of 2% *Roundup* (or approved equal), 2% *Garlon 4* (or approved equal), and .125% surfactant

**Condition "E":** Herbicide after clearing to extend maintenance intervals in easy to access areas using truck-mounted high capacity tank and gas powered sprayer with longer throw. Assume water is available on-site. (in addition to Conditions A, B, or C). Herbicide mix shall consist of 2% *Roundup* (or approved equal), 2% *Garlon 4* (or approved equal), and .125% surfactant

|                              |           |                 |   |   |                  | P         | North       |
|------------------------------|-----------|-----------------|---|---|------------------|-----------|-------------|
|                              |           |                 | 1" =  | 80' 40'<br>80'-0''  | 0'               | 80'       | 160'        |
|                              |           |                 |   |   | S                | CALE      | IN FEET     |
|                              |           |                 |   |   |                  |           |             |
|                              |           |                 |   |   |                  |           |             |
| REVISION<br>NO.              | SYM.      |                 | DESCRIPTION   |   |                  | SHT<br>OF | DATE        |
|                              | NARI      |                 | DEPARTMENT OF HAWAIIAN HOME LANDS   |   |                  |           |             |
|                              | LICENSED  |                 | VILLAGES OF LA'I 'ŌPUA<br>BRUSH CLEARING & MAINTENANCE<br>KEALAKEHE, NORTH KONA, HAWAII |   |                  |           |             |
| THIS WORK WAS PREPARED BY ME |           |                 | Aup   | Brush Clearin<br>Daka Preserve                                    | -                | ary       |             |
| ,<br>,<br>,                  | R UNDER M | Y SUPERVISION   | 16-643 Kipimana St., Suite  | n group, llc<br>e 12, Keaau, Hawai'i 96749<br>Fax: (808) 969-9534 | PROJECT NO.      |           | drawing no. |
| Der                          | mJ        | Sin             | DESIGNED BY:  | CHECKED BY:<br>LTB  | DATE             | ,         | SHEET       |
| <u> </u>                     |           | Expires 4/30/16 | DRAWN BY:   | APPROVED BY:<br>LTB   | February<br>2016 | -         |             |



**– – –** APPROXIMATE LIMITS OF WORK



\_\_\_\_\_

AREA TO BE CLEARED AND MAINTAINED: Refer to Sheet TS-1.2 for Special Conditions Notes. (Approx. 54,276 Square Feet Total Condition "B", This Sheet and Approx. 54,276 Square Feet Total Condition "E", This Sheet)

EXISTING 20'-0" WIDE FIREBREAK

ADJACENT DEVELOPED PARCEL

## **BRUSH CLEARING/HERBICIDE APPLICATION DESCRIPTIONS**

**Condition "A":** Tractor mowing of previously cleared/grubbed areas, such as roadways and house pads.

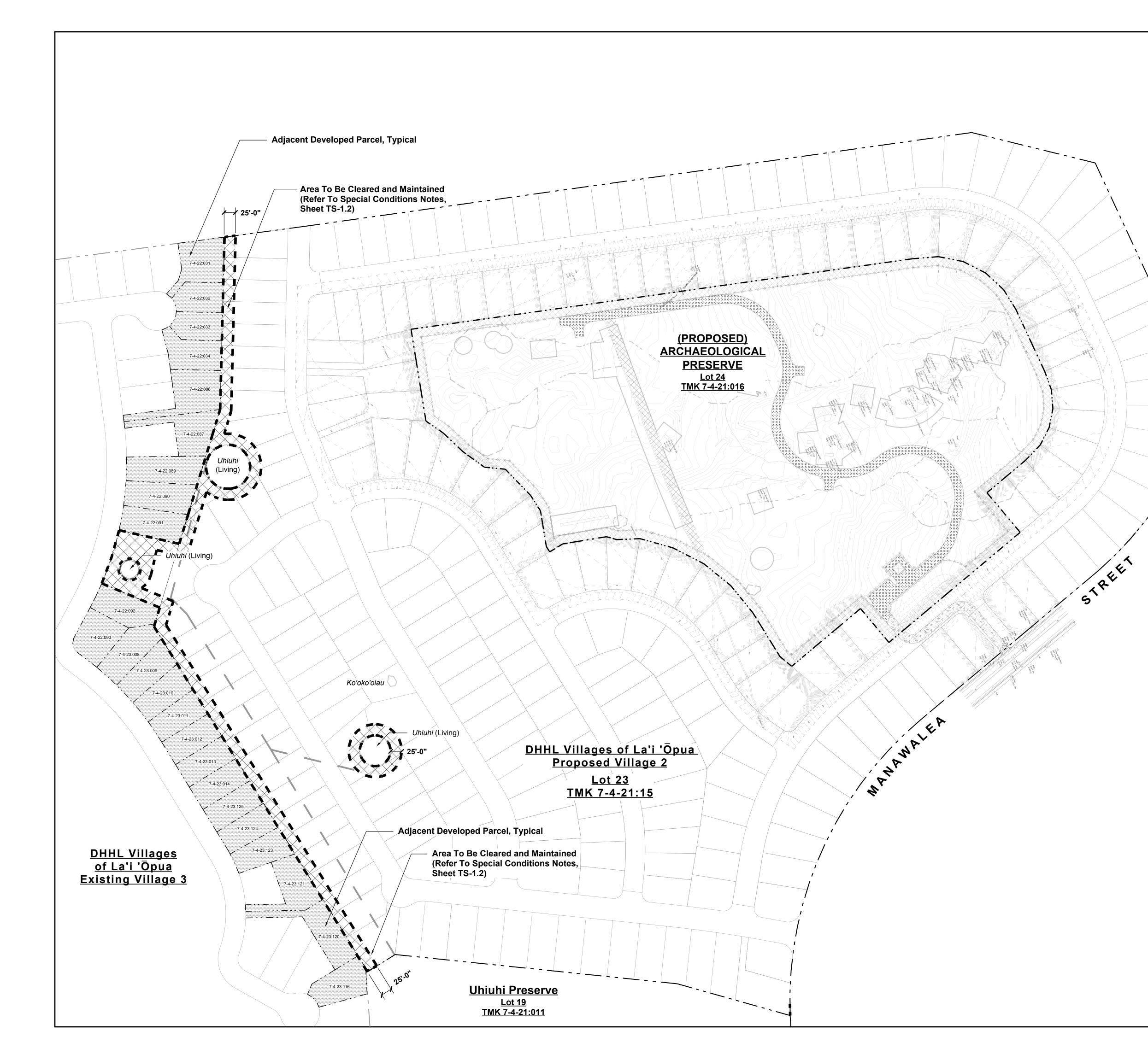
**Condition "B":** No tractor access. Entire maintenance to be performed by hand, includes the use of gas powered trimmers and hand tools on previously cleared grubbed areas.

**Condition "C":** Same as Condition "B" described above, but on undisturbed terrain.

**Condition "D":** Herbicide after clearing to extend maintenance intervals in hard to access or sensitive areas using backpack sprayers (in addition to Conditions A, B, or C). Herbicide mix shall consist of 2% *Roundup* (or approved equal), 2% *Garlon 4* (or approved equal), and .125% surfactant

**Condition "E":** Herbicide after clearing to extend maintenance intervals in easy to access areas using truck-mounted high capacity tank and gas powered sprayer with longer throw. Assume water is available on-site. (in addition to Conditions A, B, or C). Herbicide mix shall consist of 2% *Roundup* (or approved equal), 2% *Garlon 4* (or approved equal), and .125% surfactant

|                 |   |  |   |   |                           | North 🖃               |  |
|-----------------|---|--|---|---|---------------------------|-----------------------|--|
|                 |   |  | 1" =  | 80' 40'<br>80'-0''  | 0' 80                     | ' 160'                |  |
|                 |   |  |   |   | SCA                       | LE IN FEET            |  |
|                 |   |  |   |   |                           |                       |  |
|                 |   |  |   |   |                           |                       |  |
| REVISION<br>NO. | SYM.                                    |  | DESCRIPTION   |   | SHT<br>OF                 | DATE                  |  |
|                 | NARE                                    | T. P                                     | DEPARTMENT OF HAWAIIAN HOME LANDS<br>STATE OF HAWAI'I |   |                           |                       |  |
|                 | LICE<br>PROFES<br>LAND<br>ARCH<br>No. 1 | NSED<br>SIONAL<br>SCAPE<br>ITECT<br>3364 | BRUSH   | LLAGES OF LA<br>CLEARING & N<br>KEALAKEHE, NORTH KONA,            |                           | NCE                   |  |
|                 | YA WAI                                  | I, U.S.1                                 |   | Brush Clearir<br>rve & Village :                                  | •                         | oundaries             |  |
|                 |   | PREPARED BY ME<br>Y SUPERVISION          | b+k desig<br>16-643 Kipimana St., Suite               | n group, llc<br>e 12, Keaau, Hawai'i 96749<br>Fax: (808) 969-9534 | PROJECT NO.               | DRAWING NO.           |  |
| Ser             | m)                                      | Expires 4/30/16                          | DESIGNED BY:<br>LTB<br>DRAWN BY:<br>LTB               | CHECKED BY:<br>LTB<br>APPROVED BY:<br>LTB                         | DATE<br>February,<br>2016 | SHEET<br>4<br>OF7SHTS |  |



\_\_\_\_\_

AREA TO BE CLEARED AND MAINTAINED: Refer to Sheet TS-1.2 for Special Conditions Notes. (Approx. 68,833 Square Feet Total Condition "C", This Sheet and Approx. 68,833 Square Feet Total Condition "D", This Sheet)

\_\_\_\_\_

EXISTING 20'-0" WIDE FIREBREAK

APPROXIMATE LIMITS OF WORK

ADJACENT DEVELOPED PARCEL

### **BRUSH CLEARING/HERBICIDE APPLICATION DESCRIPTIONS**

**Condition "A":** Tractor mowing of previously cleared/grubbed areas, such as roadways and house pads.

**Condition "B":** No tractor access. Entire maintenance to be performed by hand, includes the use of gas powered trimmers and hand tools on previously cleared grubbed areas.

**Condition "C":** Same as Condition "B" described above, but on undisturbed terrain.

**Condition "D":** Herbicide after clearing to extend maintenance intervals in hard to access or sensitive areas using backpack sprayers (in addition to Conditions A, B, or C). Herbicide mix shall consist of 2% Roundup (or approved equal), 2% Garlon 4 (or approved equal), and .125% surfactant

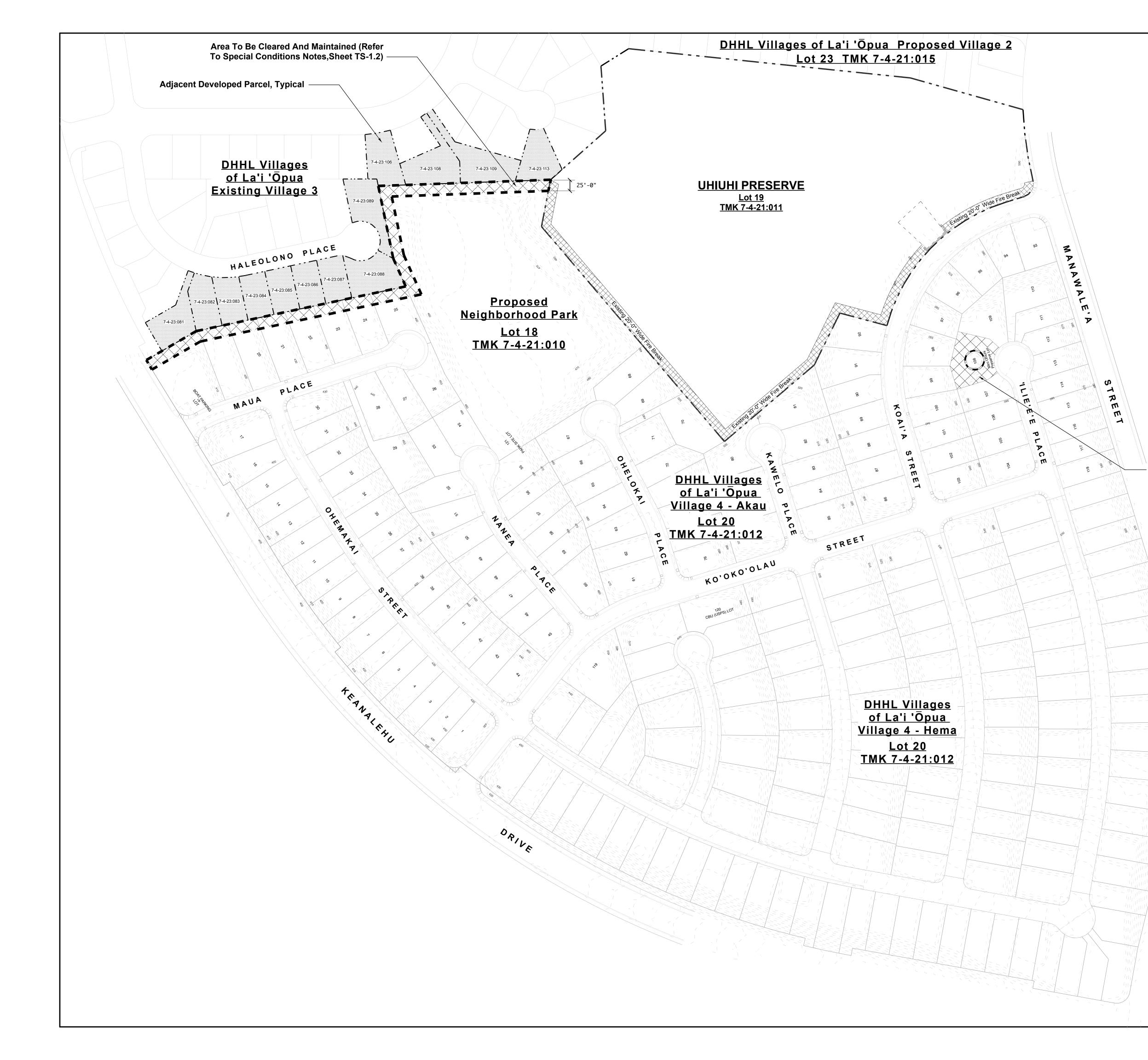
**Condition "E":** Herbicide after clearing to extend maintenance intervals in easy to access areas using truck-mounted high capacity tank and gas powered sprayer with longer throw. Assume water is available on-site. (in addition to Conditions A, B, or C). Herbicide mix shall consist of 2% *Roundup* (or approved equal), 2% *Garlon 4* (or approved equal), and .125% surfactant

<u>DHHL Villages of La'i 'Ōpua</u> Proposed Village 1 <u>Lot 22</u> <u>TMK 7-4-21:14</u>

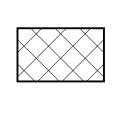
|  |      |                 | 1" = 1   | 100' 50'<br>00'-0"  | 0'<br>S                  | 100' | North 200'                  |
|--|------|-----------------|--|---|--------------------------|------|-----------------------------|
|  |      |                 |  |   |                          |      |                             |
|  |      |                 |  |   |                          |      |                             |
| REVISION<br>NO.  | SYM. |                 | DESCRIPTION  |   |                          | GHT  | DATE                        |
|  | NARE |                 | DEPARTMENT OF HAWAIIAN HOME LANDS                                |   |                          |      |                             |
| LICENSED<br>PROFESSIONAL<br>LANDSCAPE<br>ARCHITECT<br>No. 8364 |      |                 |  | LLAGES OF LA<br>CLEARING & N<br>KEALAKEHE, NORTH KONA,            | <b>MAINTEN</b>           |      | 3                           |
|  | AWAI | I, U.S.         | Brush Clearing Plan<br>Village 3 and Proposed Village 2 Boundary |   |                          |      |                             |
| THIS WORK WAS PREPARED BY ME<br>OR UNDER MY SUPERVISION        |      |                 | b+k desigi<br>16-643 Kipimana St., Suite                         | n group, llc<br>e 12, Keaau, Hawai'i 96749<br>Fax: (808) 969-9534 | PROJECT NO.              |      | DRAWING NO.                 |
| <u>Au</u>  | mJ   | Expires 4/30/16 | DESIGNED BY:<br>LTB<br>DRAWN BY:<br>LTB                          | CHECKED BY:<br>LTB<br>APPROVED BY:<br>LTB                         | DATE<br>February<br>2016 |      | sheet<br>5<br><b>7</b> shts |

...DRAWER...

....FOLDER.



**– – –** APPROXIMATE LIMITS OF WORK



AREA TO BE CLEARED AND MAINTAINED: Refer to Sheet TS-1.2 for Special Conditions Notes. (Approx. 39,474 Square Feet Total Condition "B", This Sheet and Approx. 39,474 Square Feet Total Condition "E", This Sheet)

EXISTING 20'-0" WIDE FIREBREAK

ADJACENT DEVELOPED PARCEL

### **BRUSH CLEARING/HERBICIDE APPLICATION DESCRIPTIONS**

**Condition "A":** Tractor mowing of previously cleared/grubbed areas, such as roadways and house pads.

**Condition "B":** No tractor access. Entire maintenance to be performed by hand, includes the use of gas powered trimmers and hand tools on previously cleared grubbed areas.

**Condition "C":** Same as Condition "B" described above, but on undisturbed terrain.

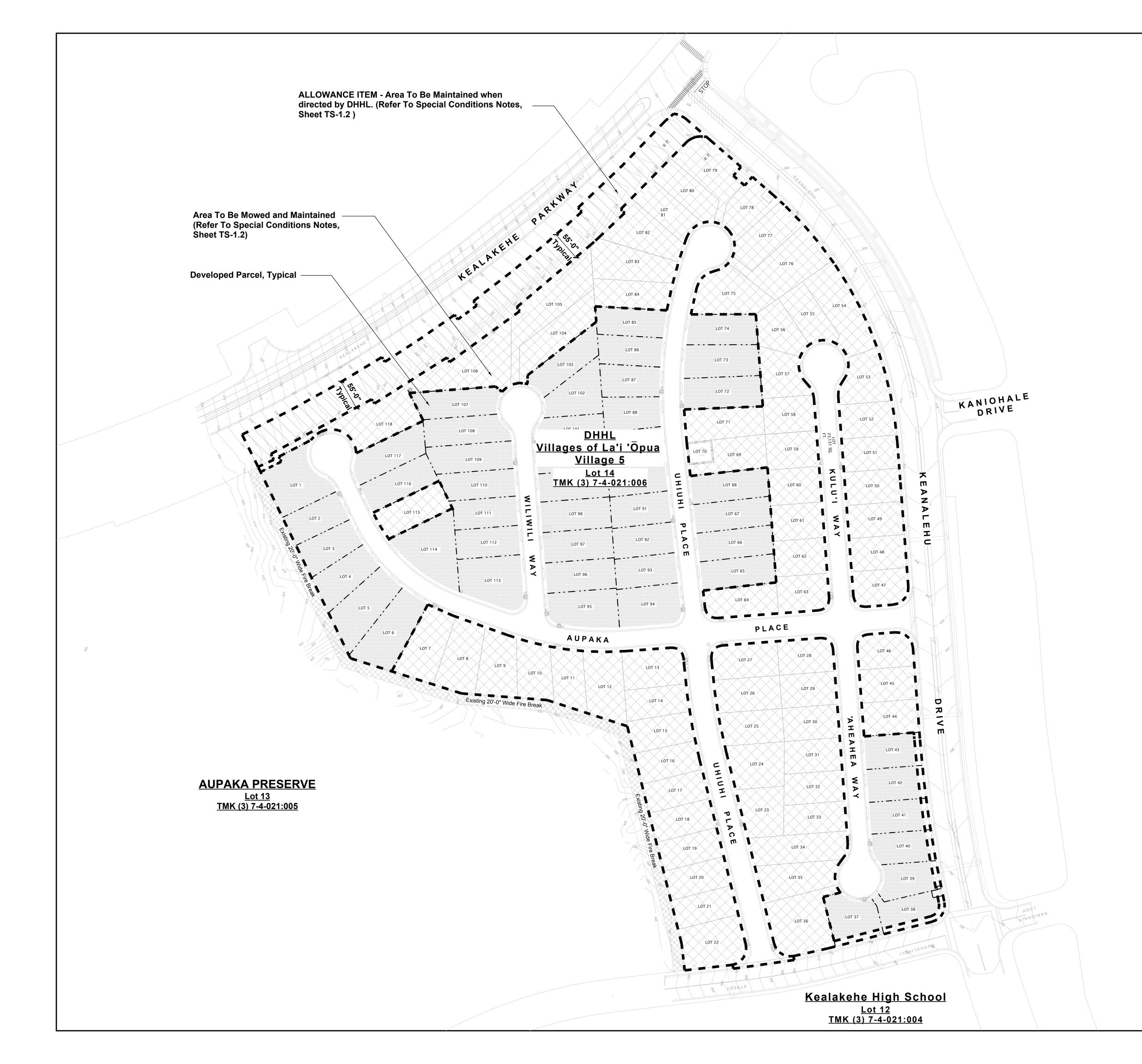
**Condition "D":** Herbicide after clearing to extend maintenance intervals in hard to access or sensitive areas using backpack sprayers (in addition to Conditions A, B, or C). Herbicide mix shall consist of 2% *Roundup* (or approved equal), 2% *Garlon 4* (or approved equal), and .125% surfactant

**Condition "E":** Herbicide after clearing to extend maintenance intervals in easy to access areas using truck-mounted high capacity tank and gas powered sprayer with longer throw. Assume water is available on-site. (in addition to Conditions A, B, or C). Herbicide mix shall consist of 2% *Roundup* (or approved equal), 2% *Garlon 4* (or approved equal), and .125% surfactant

Area (Outside of Mini Preserve Wall) To Be Cleared And Maintained (Refer To Special Conditions Notes,Sheet TS-1.2)

> DHHL Villages of La'i 'Ōpua Proposed Village 1 Lot 22 TMK 7-4-21:014

|                 |                                 |                                  | 1" = 1  | 100' 50'<br>00'-0"   |                                      | 200' 200'             |
|-----------------|---------------------------------|----------------------------------|---|--|--------------------------------------|-----------------------|
|                 |                                 |                                  |   |  |                                      |                       |
|                 |                                 |                                  |   |  |                                      |                       |
| REVISION<br>NO. | SYM.                            |                                  | DESCRIPTION   |  | SHT.<br>OF .                         | DATE                  |
|                 | ARD                             |                                  | DEPAR   | TMENT OF HAWAIIA<br>STATE OF HAWAI'I                                     | N HOME LAND                          | IS                    |
|                 | PROFES<br>LAND<br>ARCH<br>No. 8 | SIONAL<br>SCAPE<br>ITECT<br>B364 | VILLAGES OF LA'I 'ŌPUA<br>BRUSH CLEARING & MAINTENANCE<br>KEALAKEHE, NORTH KONA, HAWAII |  |                                      |                       |
|                 | WORK WAS                        | PREPARED BY ME                   | Village 4 a   | Brush Clearin<br>and Uhiuhi Pr   |                                      | oundary               |
|                 |                                 | SUPERVISION                      | b+k desig<br>16-643 Kipimana St., Suite   | <b>n group, llc</b><br>e 12, Keaau, Hawaiʻi 96749<br>Fax: (808) 969-9534 | PROJECT NO.                          | drawing no.           |
| <u>Au</u>       | mJ                              | Expires 4/30/16                  | DESIGNED BY:<br>LTB<br>DRAWN BY:<br>LTB   | CHECKED BY:<br>LTB<br>APPROVED BY:<br>LTB                                | <sup>DATE</sup><br>February,<br>2016 | SHEET<br>6<br>OF7SHTS |



|   | 1  |  |   |  |  |  |  |  |
|---|--|--|---|--|--|--|--|--|
|   |  | BR   | USH CLEARING PLAN LE  | EGEND  |  |  |  |  |
|   |  | APPROX   | (IMATE LIMITS OF WORK   |  |  |  |  |  |
|   |  | for Spec<br>[346,129                             | O BE MOWED AND MAINTAINED<br>ial Conditions Notes (Approx. 49<br>Square Feet Condition "A", 148<br>ndition "B"] and Approx. 494,470<br>on "E")                                    | 94,470 Square Feet<br>,341 Square  |  |  |  |  |
|   |  |  | O BE MAINTAINED: Refer to She<br>ons Notes. (Approx. 57,413 Squa  | -  |  |  |  |  |
|   |  | EXISTIN  | G 20'-0" WIDE FIREBREAK   |  |  |  |  |  |
|   |  | DEVELO   | PED PARCEL  |  |  |  |  |  |
|   |  |  |   |  |  |  |  |  |
|   | BRUSH  |  | IG/HERBICIDE APPLICA  | TION DESCRIPTIONS  |  |  |  |  |
|   |  | "A": Tractor r<br>and house pac                  | mowing of previously cleared/grubb<br>ds.   | bed areas, such as   |  |  |  |  |
|   |  | e use of gas p                                   | or access. Entire maintenance to b<br>oowered trimmers and hand tools c   |  |  |  |  |  |
|   | Condition "C": Same as Condition "B" described above, but on undisturbed terrain.  |  |   |  |  |  |  |  |
|   | <b>Condition "D":</b> Herbicide after clearing to extend maintenance intervals in hard to access or sensitive areas using backpack sprayers (in addition to Conditions A, B, or C). Herbicide mix shall consist of 2% <i>Roundup</i> (or approved equal), 2% <i>Garlon 4</i> (or approved equal), and .125% surfactant |  |   |  |  |  |  |  |
|   | access are<br>longer thro<br>Herbicide r   | as using truck<br>w. Assume w<br>mix shall consi | e after clearing to extend maintena<br>-mounted high capacity tank and g<br>ater is available on-site. (in addition<br>ist of 2% <i>Roundup</i> (or approved ec<br>25% surfactant | pas powered sprayer with n to Conditions A, B, or C).                          |  |  |  |  |
| <u>DHHL Villages</u><br>of La'i 'Ōpua<br>Existing Village 3 |  |  | <u>Pro</u>  | <u>DHHL</u><br>ges of La'i 'Ōpua<br>posed Village 2<br>Lot 23<br>MK 7-4-21:015 |  |  |  |  |
|   |  |  |   | North  |  |  |  |  |
|   |  |  | 80' 40'<br>1'' = 80'-0''  | 0' 80' 160'  |  |  |  |  |
| <b></b>   |  |  |   | SCALE IN FEET  |  |  |  |  |
| $\vdash$  |  |  |   |  |  |  |  |  |
|   |  |  |   |  |  |  |  |  |
| R   | EVISION SYM.<br>NO.  |  | DESCRIPTION   | SHT<br>DATE<br>OF  |  |  |  |  |
|   | NARD   | T.   | DEPARTMENT OF HAWA<br>STATE OF HAWA   |  |  |  |  |  |
|   | LICEN<br>PROFESS<br>LANDS<br>ARCHI<br>No. 8  | ISED<br>IONAL<br>CAPE<br>TECT<br>364             | VILLAGES OF<br>BRUSH CLEARING &<br>KEALAKEHE, NORTH K   | <b>MAINTENANCE</b>   |  |  |  |  |
|   | WAIN   | , U.S. 1   | Brush Clear<br>Village 5 and Aupaka   | -  |  |  |  |  |
| -   |  | PREPARED BY ME                                   | vinaye 5 anu Aupaka   | ricseive Duulluary   |  |  |  |  |

 Best MY SUPERVISION
 b+k design group, llc

 16-643 Kipimana St., Suite 12, Keaau, Hawai'i 96749
 12

 Tel: (808) 969-9533
 Fax: (808) 969-9534

 Designed By:
 CHECKED BY:

 LTB
 LTB

 DRAWN BY:
 APPROVED BY:

 LTB
 LTB

L-1.5

SHEET

7

DATE

February,

2016

...FOLDER.

|                     | SPEC   | IAL CONDITIONS NOTES  |         |  |
|---------------------|--|---|---------|--|
| SC-1: Access        | s to Work Sit  | es:   | SC-3: D | efinition of Lim   |
|                     | Aupaka Pres<br>Preserve: TM<br>Lot 19. All of<br>protected unc<br>plants will res<br>work also inc<br>located on L<br>Preserve: TW<br>species, how | es" include four (4) distinct and separate locations. The<br>erve: TMK (3) 7-4-21:05, Lot 13, the Lesser Aupaka<br>K (3) 7-4-8:07 and the Uhiuhi Preserve: TMK (3) 7-4-21:011,<br>the Preserves harbor endangered plant species, which are<br>er State and Federal laws. Damaging or destroying these<br>ult in State and Federal criminal prosecution. This scope of<br>udes one mini preserve, the Mini Uhiuhi Preserve which is<br>of No. 108 within Village 4 (Akau). The Archaeological<br>K 7-4-21:016, Lot 24 does not contain endangered plant<br>ver, the protocols for working in or around this preserve will<br>s for the all others. | 1.      | Prior to th<br>Contractor<br>Representa<br>base of the<br>Work boun<br>dashed line<br>inch minim<br>a. The<br>shal<br>pres<br>(She |
|                     | Preserves an<br>except where   | ist in fire suppression, the Contractor shall not enter the<br>I shall notify its personnel and sub-contractors not to either,<br>expressly indicated or while accompanied by an authorized   | 2.      | othe<br>Marking sh   |
| 3.                  | Contractor of work in or are   | of DHHL.<br>an authorized representative will hold a briefing to inform the<br>special requirements that it must comply with while doing<br>ound these areas, before DHHL will allow any work around<br>. Attendance at this briefing, by the Contractor and any  |         | wire, chain<br>which (at tl<br>serve the p<br>interior and   |
|                     |  | will be working around the Preserves, shall be mandatory.   |         | itial Inspection   |
|                     | a. Jeffrey   | presentatives include the following:<br>Fujimoto, Department of Hawaiian Home Lands, DHHL<br>Engineer (808) 620-9274  | 1.      | After the Li<br>brush clear<br>DHHL Auth<br>and provide  |
|                     | b. Leonar  | d Bisel, b+k design group, llc - Consulting Landscape<br>ct (808) 969-9533  |         | within the<br>provide at<br>inspection   |
| 5.<br>              | a. Jill Wa<br>Associa  | gner (Future Forest Nursery) - Hawaii Forest Industry<br>tion (HFIA) Site Manager (808) 325-2377<br>Questions or Concerns:<br>The Contractor shall contact DHHL or authorized representative<br>if there are any questions or concerns relating to the Preserves.   | 2.      | The Con<br>Representa<br>immediate<br>Representa<br>inspection<br>at least 5-fe  |
|                     | written Fire C<br>acceptance.  | tart of any Work, the Contractor shall prepare and file a<br>ontingency Plan with the Project Manager for review and<br>The Fire Contingency Plan shall incorporate the following   | 3.      | Any adjust<br>Work resul<br>made in the  |
|                     | shall e<br>emerge  | nnimum:<br>inication System: Prior to any on-site actions the Contractor<br>itablish a communications system capable of reaching local<br>ncy services. The job supervisor or his designee must carry<br>ar telephone at all times. Communication linkages must be  | 4.      | Upon comp<br>will notify<br>clearing an  |
|                     | mainta   | ned with all emergency services until completion and unce of the Work covered by this Contract.   |         | rush Clearing a  |
| I                   | respon<br>shall e<br>training  | oment of a Firefighting Plan: The Contractor will be<br>sible to maintain fire control at all times. The Contractor<br>stablish an organization for firefighting, to include personnel<br>, equipment, and procedures. Elements of the plan will<br>as a minimum:   | 1.      | After the L<br>Authorized<br>Inspection<br>maintenand<br>shall then r  |
|                     | i.   | Provide each person working on brush clearing and<br>naintenance work with a dedicated 5 gallon poly tank<br>backpack, which is specifically designed for fire suppression.<br>Fanks shall be fitted with a pistol grip and nozzle capable of<br>providing a 35' spray/flow ( <i>Indian M100 Poly Tank</i> by<br>FireEnd Fire Services Products (800-759- 3473 or approved<br>equal).   | 2.      | Upon com<br>Contractor<br>completed<br>by its repr<br>receipt of<br>designated<br>fire break<br>Contractor<br>Contractor           |
|                     |  | Personnel shall be given work assignments that<br>always place them in the immediate area of work and<br>with immediate access to a (full) fire suppression<br>backpack upon notice of suspicion of fire.   |         | within the L<br>The Contra<br>working da   |
|                     |  | A reserve tank (100 gallon min. capacity) for re-filling<br>fire suppression backpacks) shall be kept full to<br>capacity at all times and within immediate access of<br>active brush clearing and firebreak maintenance<br>Work. Reserve tank shall be fitted with a high flow<br>manual valve and a flexible hose to allow fire<br>suppression backpack(s) to be filled quickly.  | 3.      | Herbicide A<br>DHHL notifican begin<br>Contractor<br>to the area<br>plant desig  |
|                     |  | Ensuring that all personnel that will be working on brush<br>clearing and firebreak maintenance work receive, and certify<br>n the Fire Contingency Plan that they have received the<br>ollowing:   |         | a. Woo<br>shal<br>spec<br>Hert<br>Gras<br>appi   |
|                     |  | Training in operation of fire suppression backpack;<br>Instruction in priority contact with Hawaii County Fire<br>Department, the Contractor's job supervisor, the<br>Hawaii County Office of Civil Defense, DLNR-DOFAW<br>(Hilo Office) and the Project Manager;   |         | b. Con<br>herb<br>plan<br>durii<br>man   |
|                     |  | Certification that they have been taught basic brush firefighting techniques, if provided, by the Hawaii County Fire Department;  |         | back<br>herb<br>mixt<br>high   |
|                     |  | Identification and knowledge of the location(s) of nearest water source(s) for filling tanker;  |         | c. Sub<br>(MSI   |
|                     |  | Training in the recognition, prevention and correction of fire hazards.   |         | acce<br>wind<br>herb   |
| <br> <br> <br> <br> | DHHL has ac<br>that he/she r<br>filing, and pro<br>and all labor,<br>throughout the  | ar shall not commence with any clearing and grubbing until<br>septed the Fire Contingency Plan and notified the Contractor<br>may proceed. This work, including preparation, submittal,<br>cessing the Fire Contingency Plan for DHHL acceptance,<br>materials and equipment necessary for its implementation<br>e duration of the contract shall not be paid for separately, but<br>ed in the various contract items.  |         | d. Spec<br>outsi<br>unau<br>gradi<br>appli<br>Spec<br>herbi  |

#### nit of Work Boundaries:

he start of any clearing, grubbing or construction, the (under the direct observation of a DHHL Authorized ative) shall clearly mark the ground surface, along the e entire length of the Limit of Work Boundary. The Limit of dary shall be spray painted with a minimum 2-inch wide e using fluorescent paint, either orange or pink, with 12um lengths at maximum 2-feet on center.

Limits of Work for the brush clearing and maintenance I be either 25'-0" or 55'-0" setback from the property/ erve boundary as indicated on the construction drawings eets L-1.1, L-1.2, L-1.3, L-1.4, and L-1.5), unless indicated rwise or approved by a DHHL Authorized Representative.

all not be required if existing, permanent barbed wire, hog i link fencing, or preserve barriers are already in place he discretion of the DHHL Authorized Representative) will ourpose of defining the Limit of Work between the Preserve I the proposed brush clearing and maintenance Work.

mit of Work marking has been completed, and prior to any ring and maintenance Work, the Contractor shall contact a horized Representative and the Site Manager to inspect e a determination as to which if any native plants growing Limits of Work should remain. The Contractor shall least ten (10) working days in advance notice of the to the DHHL Authorized Representative.

tractor shall accompany the DHHL Authorized ative and the Site Manager during the inspection and ely fence any plant(s) that the DHHL Authorized ative and/or Site Manager designates to remain during the by installing temporary orange plastic construction fencing eet from and completely encircling each plant.

ments to the brush clearing and firebreak maintenance ting from the need to save an existing native plant will be e field and shall be documented with a Field Order.

pletion, and DHHL acceptance, of the above Work, DHHL the Contractor that he/she may proceed with the brush nd maintenance work.

#### Ind Maintenance

imit of Work marking has been completed and a DHHL Representative and Site Manager has conducted an Initial of the areas designated for brush clearing and ce to designate existing plants to remain, the Contractor emove all other vegetation and dispose of it off-site.

pletion of the brush clearing and maintenance, the shall notify DHHL in writing that the work has been and request inspection. DHHL will schedule an inspection resentative no sooner than ten (10) working days after the request. If DHHL finds that all vegetation not to remain has been removed and the brush clearing and completed to its satisfaction, DHHL will notify the in writing that the work has been accepted and the may continue with the application of herbicide to the areas imits of Work.

actor should complete the brush clearing within forty (40) ays of the issuance of Notice to Proceed for the Contract.

Application: No sooner than fifteen (15) working days after fication that the Brush Clearing and Maintenance Period – but no later the twenty (20) working days – the shall apply herbicide per the manufacturer's specifications as within the Limits of Work, except within 20-feet of any nated to remain by DHHL.

ody plants such as Leucaena leucocephala/Haole Koa I be cut flush with the ground and treated with a brushcific herbicide such as Garlon 4 (or approved equal). picide forgrasses such as *Pennisetum setaceum*/ Fountain ss shall be treated with herbicide such as Round-Up (or roved equal).

stractor shall be aware of wind speeds and ensure that bicide drift does not result in the death of Federally listed nts. Herbicide shall not be sprayed near the Preserve(s) ng windy weather conditions and application shall be ually controlled. Low volume spray equipment (such as c packs) should be utilized, using low pressure in applying bicides. Drift reduction nozzle tips and drift retardant addtures should also be used. Mechanically controlled and/or volume spray equipment shall not be used to apply picide near Preserves.

mit the herbicide Manufacturer Safety Data Sheets DS) and proposed method of application to DHHL for eptance prior to use. Contractor shall adhere to specified speeds identified in the label requirements when applying oicides.

cial Condition-6 (see following section) will govern areas ide of the Limit of Work and Fire Break killed-off by fire, or thorized spraving, herbicide drift, clearing, grubbing, or ing in the Preserves. The Contractor will be subject to cable penalties under State and Federal Endangered cies laws for any endangered plants destroyed by icide drift.

#### SC-6: Fire or Unauthorized Spraying, Clearing, Grubbing, Grading In Preserves:

- 1. The Contractor shall not spray herbicide, clear, grub, or grade beyond the Limits of Work boundaries established adjacent to the Preserves under SC-3 above. If there is drift from herbicide, or any other encroachment, be reported to the US Fish and Wildlife Service. Contact Office of Law Enforcement, Hilo (808) 933-6964. Take of an endangered species is prohibited under the Endangered Species Act and the State of Hawai'i
  - penalties that might be assessed per Federal or State law.
  - b. contract the amount.

Preserves:SC-7 Additional Work Procedures

- 1. The Contractor shall comply with the following measures for the duration of the Contract:
  - а. condition the follow equipment:
    - member, as described in SC-2.
    - backpacks) as described in SC-2.
    - iii.
    - iv.
  - b. The Contractor shall implement the following work procedures:
    - level at a maximum with daily checks;
    - increase fire and site pollution risk;
    - iii.

    - required by Federal and State law.
  - C. site in a manner approved by the Project Manager.
  - reporting to the site.
  - e.
  - feet upwind of the Preserves.
  - α. distance. of the Preserve.
  - nitrogen compound to counteract leaching.

One (1) 5 gallon fire suppression backpack for each crew Reserve tank (100 gallon min.) for re-filling fire suppression ii. Approved protective clothing; Cellular telephone for each crew member. Maintaining poly tank backpack(s) and reserve tank(s) water ii. Weekly inspection of all construction activities, which could Weekly inspection to ensure the integrity of Fire Breaks; iv. Prohibit the presence of glass containers on site at all times v. Ensure that all vehicles have fire control apparatus as of the Contract. All flammable rubbish, refuse, plant material from combustibles shall be removed from the site, and disposed of offthe presence of endangered plant species, purposes of mitigative actions to insure their protection, and fire and pollution prevention purposes and actions. New personnel of the Contractor, and those the Preserves. The requirements indicated in this section, except for those pertaining to tanker maintenance and operation shall be made part of any of the agreements between the Contractor and any subcontractors retained by it. Payment for any work necessary to comply with the requirements of this section shall not be paid for separately, but shall be included

and it causes the death of a Threatened and Endangered species, it must endangered species law, codified in Hawai'i Revised Statutes, Chapter 195D. Failure to report could result in further liability. a. A minimum fine of \$250.00 will be assessed to the Contractor for the death of each non-Threatened and Endangered native plant species. A minimum fine of \$500.00 will be assessed to the Contractor for the death of each Threatened and Endangered species. These minimum fines are in addition to any fines or The fines described above will be assessed by deducting from the The Contractor shall maintain at the site at all times and in good The Contractor shall not burn any material on-site for the duration grubbing and clearing, packing materials, crating or other d. The Contractor shall provide on-site training to all personnel as to of subcontractors, shall be given complete orientation when first Construction equipment and vehicles shall not be parked uphill of Construction equipment and vehicles shall not be idled within 500-Fueling points shall not be located uphill, irrespective of the All spilled fuels shall be immediately processed with an approved in the various contract items.

|                 |  | Addendum 1                               |   |  |                 | sht. 2<br>of .7 | 4-14-16     |
|-----------------|--|--|---|--|-----------------|-----------------|-------------|
| REVISION<br>NO. | SYM.                                     |  | DESCRIPTION   |  |                 |                 | DATE        |
|                 | NARE                                     |  | DEPARTMENT OF HAWAIIAN HOME LANDS<br>STATE OF HAWAI'I                                   |  |                 |                 |             |
|                 | LICEI<br>PROFES<br>LAND<br>ARCH<br>No. 3 | NSED<br>SIONAL<br>SCAPE<br>ITECT<br>3364 | VILLAGES OF LA'I 'ŌPUA<br>BRUSH CLEARING & MAINTENANCE<br>kealakehe, north kona, hawaii |  |                 |                 |             |
|                 | WAI                                      | PREPARED BY ME                           | Sp  | ecial Conditio   | ons Not         | es              |             |
|                 |  | SUPERVISION                              | 16-643 Kipimana St., Suite  | n <b>group, llc</b><br>e 12, Keaau, Hawai'i 96749<br>Fax: (808) 969-9534 | PROJECT NO.     |                 | drawing no. |
| Au              | Aunding<br>Expires 4/30/16               |  | DESIGNED BY:<br>LTB   | CHECKED BY:<br>LTB   | DATE            |                 | SHEET       |
|                 |  |  | DRAWN BY:<br>LTB  | APPROVED BY:<br>LTB  | Februar<br>2016 |                 | 2<br>       |

DRAWER.

...FOLDER.