

DEPARTMENT OF HAWAIIAN HOME LANDS
STATE OF HAWAII

MARCH 31, 2017

ADDENDUM NO. 4

TO

PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

FOR

PAPAKOLEA SUBDIVISION SEWER IMPROVEMENTS
AUWAIOLIMU SLOPE STABILIZATION AND SEWER LINES C & C-1 IMPROVEMENTS

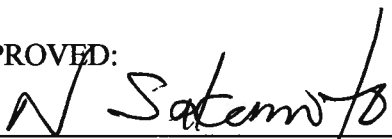
PAPAKOLEA, OAHU, HAWAII

IFB-17-HHL-011

NOTICE TO ALL PROSPECTIVE BIDDERS

This addendum is hereby made a part of the PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND for the PAPAKOLEA SUBDIVISION SEWER IMPROVEMENTS, PAPAKOLEA, OAHU, HAWAII, and it shall amend the said contract documents as detailed within this Addendum document.

APPROVED:



Norman Sakamoto, LDD Acting Administrator
Department of Hawaiian Home Lands

Date: March 31, 2017

Please detach, execute, and return immediately, the receipt below, to the Department of Hawaiian Home Lands, Hale Kalaniana'ole, 91-5420 Kapolei Parkway, Kapolei, Hawaii or transmit facsimile to (808) 620-9299 or via email to mitchell.h.kawamura@hawaii.gov.

Receipt of Addendum No. 1 for the PAPAKOLEA SUBDIVISION SEWER IMPROVEMENTS, AUWAIOLIMU SLOPE STABILIZATION AND SEWER LINES C & C-1 IMPROVEMENTS, PAPAKOLEA, OAHU, HAWAII, is hereby acknowledged.

Signed _____ Title _____

Firm _____ Date _____

ADDENDUM NO. 4

March 31, 2017

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PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

FOR

**PAPAKOLEA SUBDIVISION SEWER IMPROVEMENTS
AUWAIOLIMU SLOPE STABILIZATION AND
SEWER LINES C & C-1 IMPROVEMENTS**

PAPAKOLEA, OAHU, HAWAII

IFB-17-HHL-011

ITEM NO. 1 BID OFFER FORM

Replace proposal schedule, pages 3-6 of the Bid Offer Form with the revised proposal schedule attached to ADDENDUM NO 4 (March 31, 2017).

ITEM NO. 2 REFERENCE DRAWING

Reference of tunnel along sewer line A in the slope stabilization work area, Ewa of the overpass, is attached to ADDENDUM NO 4 (March 31, 2017).

ITEM NO. 3 DRAWING MODIFICATION AND CLARIFICATIONS

Attached is missing revised L-1 from ADDENDUM NO 2 (March 27, 2017).

**ITEM NO. 4 QUESTIONS AND REQUESTS FOR CLARIFICATION RECEIVED AS OF
MARCH 31, 2017**

1. **Once the vegetation is removed from the top of the slope, there will be no barrier between the top of the slope and the adjacent properties. This creates a potential hazard in which a pedestrian approaching the slope may fall over the steep edge. Please confirm a temporary physical barrier is required around the work area to mitigate this hazard and consider making this a bid item.**

Please provide temporary barrier between residents and work area at the top of slope.
See revised proposal schedule.

2. **The current traffic control plan shows a pedestrian traffic lane adjacent to the rock slope zone. Triton barrier offers little protection to pedestrians. Please consider allowing for temporary roadway restriping and the creation of a permanent work zone directly adjacent to the rock scaling operation that will be active for the duration of the project.**

See Addendum 2, Item 6, #4.

“Contractor has the option to modify the traffic control plans, provided it stamped by a licensed engineer in the State of Hawaii and approved by the applicable agencies, including but not limited to the City and County of Honolulu’s Department of Planning and Permitting Traffic Review Branch, Department of Design and Construction Civil Division, DHHL, and Disability and Communication Access Board.”

3. **The overhead HECO lines directly adjacent to the rock scaling operation approximately along station 5+00 to 11+00 will be required to be de-energized and/or insulated by HECO to allow for safe working conditions on and directly below the rock face. Requesting a quote from HECO to perform this work requires additional time that is not available before the bid date. Additionally, we anticipate coordination with the street light utility will be necessary to temporarily de-energize the lower elevation street light lines. Please consider making this item a force account item.**

See revised proposal schedule.

4. **Please confirm that the Department of Hawaiian Homelands will coordinate all access to private property prior to start of construction.**

Coordination with residents will be initiated by DHHL, however, the contractor is responsible to coordinate directly with the residents as it impacts them.

5. **Please provide material staging office trailer area in the vicinity of the project site. A material and equipment laydown yard will allow suppliers to ship larger quantities of materials, rather than only as needed by the project. This will reduce the cost of material supply and equipment mobilization and demobilization and will allow for a field office. Currently there is no area available for a field office per bid item #32.**

Possible staging area may be available at TMK 2-2-005: 035. Contractor can work with DHHL to rent adjacent land at a nominal fee. Any City permits required for the staging area will be the responsibility of the contractor.

6. **It is anticipated that heavy equipment required for operations near the base of the scree slope may damage the existing curb and sidewalk along Auwaiolimu Street. This may incur significant cost. Please considering providing a bid item for protection of the concrete curb and existing sidewalk.**

To be inclusive to the overall bid cost.

7. **A new sewer cleanout will be necessary at all service laterals adjacent to the sewer line to be replaced. Please confirm which bid item this is to be paid under.**

To be inclusive with sewer line bid item.

8. **Please consider eliminating the mandrel testing called out on Note K on page C-2 of the plans, and in the Technical Specifications Section 02730 Note 2.01.A. To perform the mandrel test on the sewer pipe, the entirety of the PVC sewer line will need to be bypassed prior to connecting it for service. This will greatly increase the cost of installing the new sewer line.**

Mandrel test for PVC sewer pipes is a requirement.

9. **Please provide rock tunnel as-built plans that are noted on the callout on plan sheet C-4.**

Attached profile is the only known document and information of this rock tunnel. No evidence of tunnel detected during field visits. The contractor along with the geotechnical engineer shall assess in the field during construction.

10. **Please provide details for the reconstruction of concrete stairs and driveway when working around SMH 318812?**

Allowance will be set to match existing. See revised proposal schedule.

11. **Please confirm if the intended access for the sewer line construction work will be through the driveway off of Auwaiolimu Street in TMK 1-2-4-041: 027. Additionally, during installation of the sewer line through this driveway, it is not feasible to maintain vehicular access to the property. Due to the burden that this will pose to the property resident, additional coordination between the property resident and DHHL will be required prior to the start of construction work.**

Access could either be from this property or asking the other residents to enter through their property from Iaukea Street. Coordination with residents will be initiated with DHHL, however, the contractor is responsible to coordinate directly with the residents as it impacts them.

12. **Addendum No 2 drawings increased the amount of chain link fence required but the quantity in the proposal did not increase accordingly.**

See revised proposal schedule. Increased to 625 LF.

13. **Addendum No 2 drawings increased the amount of vines and restoration required but the quantity in the plant schedule did not increase accordingly.**

See revised L-1 attached.

14. **The Addendum No. 2 drawings increased the amount of anchored wire mesh required but the quantity in the proposal did not increase accordingly.**

Provide cost estimate based on quantity provided in the revised proposal schedule,
26,700 sf

The following bid is hereby submitted for the Papakolea Sewer Improvements Auwaiolimu Slope Stabilization & Sewer Lines C and C-1 Improvements to the Department of Hawaiian Home Lands.

No.	Units	Description	Price	Total
1.	L.S.	Mobilization Lump Sum		\$ _____
2.	L.S.	Temporary Erosion Control, including installing and maintaining all temporary erosion control measures as specified in the construction plans, and removing all measures upon full establishment of permanent vegetative cover and permanent erosion control measure Lump Sum		\$ _____
3.	L.S.	Archaeological services, including monitoring and final report. Lump Sum		\$ _____
4.	L.S.	Partial reconstruction of GRP drainage ditch (approx. 30 LF), including temporary bypass system. In place complete. Lump Sum		\$ _____
5.	L.S.	EA, Removal of Trees Lump Sum		\$ _____
6.	Allow.	Arborist Allowance		\$ 25,000
7.	L.S.	Tree Pruning Lump Sum		\$ _____
8.	30,000	Sq. Ft., Removal of vegetation from rock face Per Sq. Ft.	\$ _____	\$ _____
9.	6,450	Cu. ft., Removal of scree Per Cu. Ft.	\$ _____	\$ _____

Item No.	No. of Units	Description	Unit Price	Unit Total
10.	120	Lin. Ft., Demolition and removal of existing chain link fence, complete. Per Lin. Ft.	\$ _____	\$ _____
11.	L.S.	Demolition and removal of existing concrete pad (Approx 15-ft by 9-ft), complete. (TMK: 1-2-4-041:015) Lump Sum		\$ _____
12.	L.S.	Relocation of existing doghouse (Approx. 5-ft by 10-ft), in place complete. (TMK: 1-2-4-041:028) Lump Sum		\$ _____
13.	4,000	L.F., Rock bolt anchor Per Lin. Ft.	\$ _____	\$ _____
14.	400	L.F., Additional rock bolt anchor for fractured rock exposed after clearing and grubbing. Per Lin. Ft.	\$ _____	\$ _____
15.	Allow	10 Cu. Yd., Shotcrete Fill for rockbolt anchoring. Allowance, Per Cu. Yd.	\$ _____	\$ _____
16.	26,700	Sq. Ft., Anchored Wire Mesh Per Sq. Ft.	\$ _____	\$ _____
17.	6,600	Sq. Ft., Permanent erosion control matting. Per Sq. Ft.	\$ _____	\$ _____
18.	L.S.	Temporary sewer bypass Lump Sum	\$ _____	\$ _____

Item No.	No. of Units	Description	Unit Price	Unit Total
19.	585	L.F., 6-inch PVC sewer line installed by open trenching, inclusive of bypassing and all incidentals in place complete. Per Lin. Ft.	\$ _____	\$ _____
20.	8	EA, Sewer lateral reconnection, in place complete Each	\$ _____	\$ _____
21.	2	EA, Connection to sewer manhole and rechannelization. Each	\$ _____	\$ _____
22.	2	EA, Standard Sewer Manhole (4.00'-4.99' depth from top of cover to invert), in place complete Each	\$ _____	\$ _____
23.	2	EA, Cut and plug existing 6-inch sewer line, in place complete. Each	\$ _____	\$ _____
24.	L.S.	Install removable bollards Lump Sum	\$ _____	\$ _____
25.	49	Cu. Yd., Excavation for grading. Per Cu. Yd.	\$ _____	\$ _____
26.	625	Lin. Ft., 6'-high Chain Link Fence, including gates. Per Lin. Ft.	\$ _____	\$ _____
27.	L.S.	Permanent landscape: hydromulch and groundcover of the slopes, and vines along chain link fence, inclusive of installation and removal of temporary irrigation system, and traffic control during hydromulch operation. Lump Sum		\$ _____

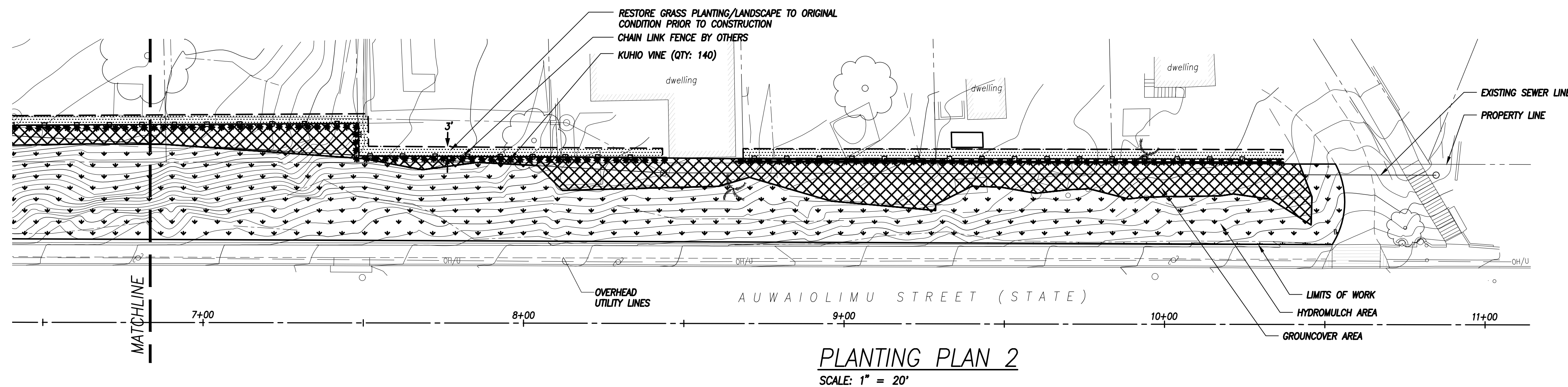
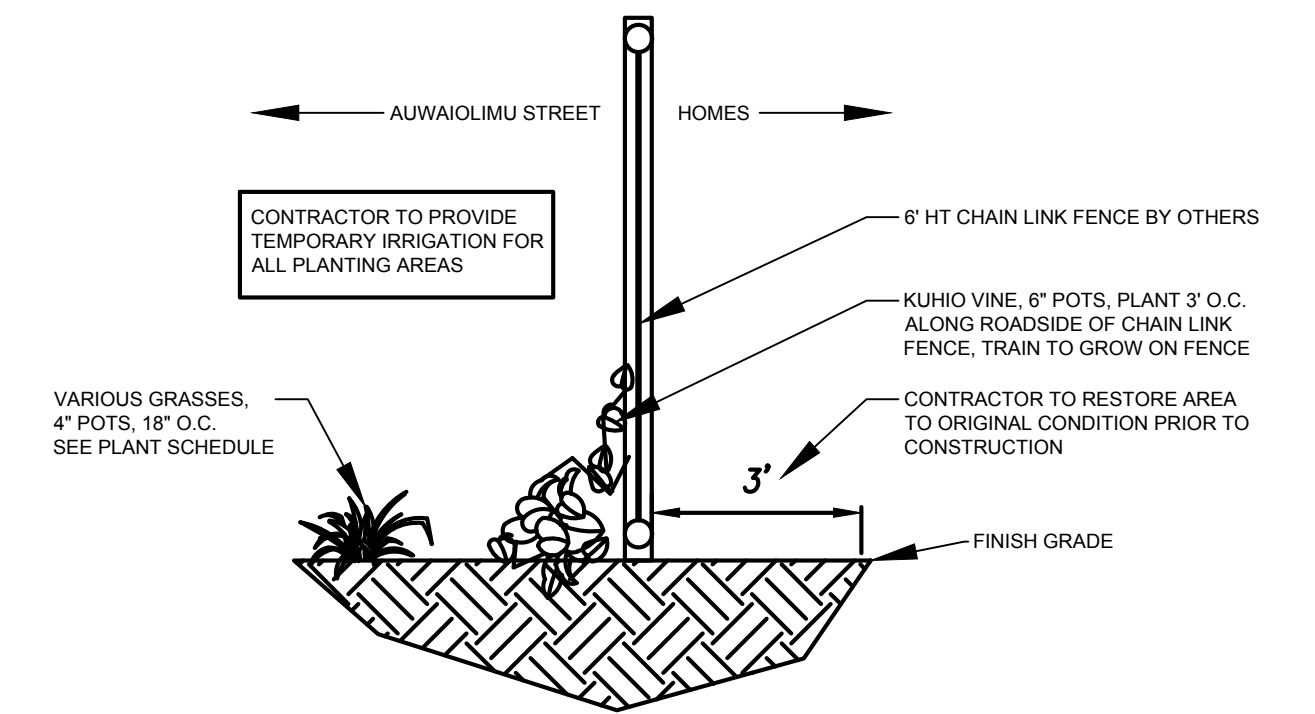
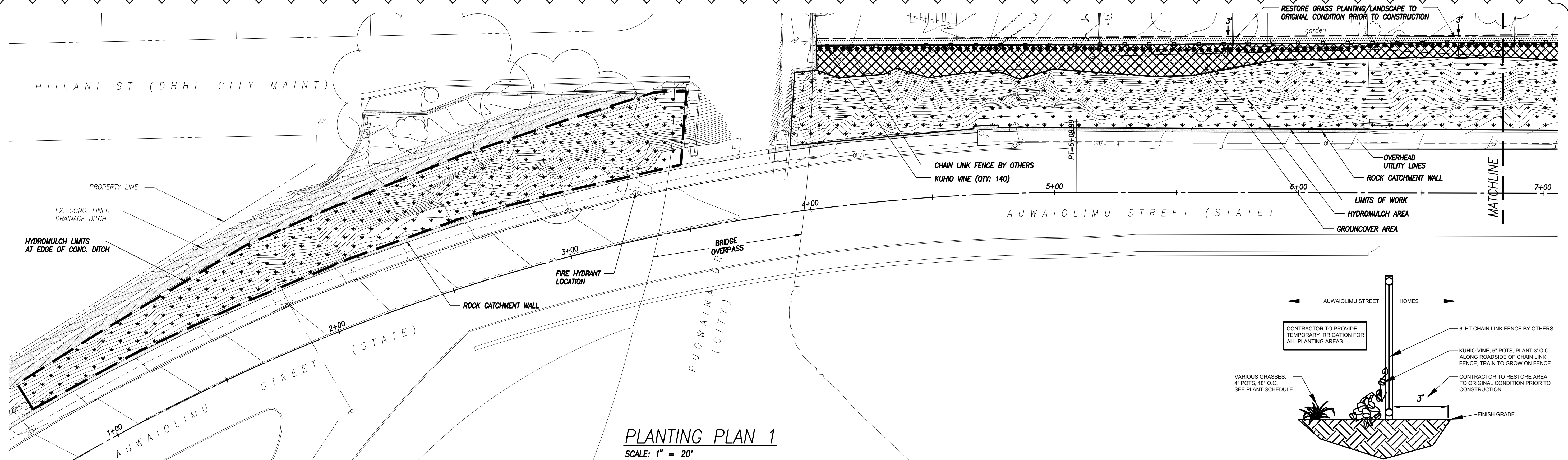
Item No.	No. of Units	Description	Unit Price	Unit Total
28.	L.S.	Maintenance of grass for 365-day period after completion and approval of planting. Lump Sum		\$ _____
29.	L.S.	Traffic Control Lump Sum		\$ _____
30.	Allow.	Temporary barrier for work area at top of slope. Allowance		\$ _____
31.	Allow.	Hawaiian Electric Company Charges. Allowance		\$ _____
32.	Allow.	Reconstruction of driveway and stairways to match existing. Allowance		\$ _____
33.	Allow.	Police officer for traffic control Allowance		\$ _____
34.	L.S.	Project Sign Lump Sum		\$ _____
35.	L.S.	Field Office, shall be full compensation for furnishing materials, labor, tools, equipment, and incidentals necessary to construct the field office, in place complete, as required. Lump Sum		\$ _____

TOTAL SUM BID = _____

_____ Dollars (\$_____).

The prices herein for the above items shall include all materials, labor, tools, equipment, machinery and all incidentals necessary, inclusive of general excise tax to install or to construct these items in place complete and in accordance with the plans and specifications contained in this IFB.

The CONTRACTOR shall complete all work as specified or indicated in the Contract Documents on or before five hundred forty (540) calendar days after receiving written Notice to Proceed, subject to extensions, as may be granted.



➤ CLEARING NOTES:

1. CONTRACTOR SHALL TREAT ALL TREE STUMPS WITH GARLON 3A HERBICIDE OR EQUAL TO PREVENT RE-GROWTH. HANDLING, APPLICATION AND DISPOSAL SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS


IRRIGATION NOTES:


1. ALL PLANTING AREAS TO BE IRRIGATED WITH A TEMPORARY SYSTEM SUPPLIED BY THE LANDSCAPE CONTRACTOR
2. WATER FOR TEMPORARY IRRIGATION MAY COME FROM A NEARBY FIRE HYDRANT. LANDSCAPE CONTRACTOR TO NEGOTIATE WITH BOARD OF WATER SUPPLY AND PAY FOR SOURCE OF WATER.


PLANT SCHEDULE


SYMBOL:	QTY:	BOTANICAL NAME:	COMMON NAME:	REMARKS:
<u>GROUND COVER:</u>				
XXXX	6,000 SF APPROX.	CAREX WAHUENSIS ERAGROSTIS VARIABILIS OSTEOMELES ANTILLIDIFOLIA	OAHU SEDGE BUNCH GRASS ULEI	4" POT. MIX EQUAL PARTS OF EACH AT 18" O.C.
<u>GRASS:</u>				
♦ ♦ ♦	21,000 SF APPROX.	CYNODON DACTYLON LOLIUM MULTIFLORUM	COMMON BERMUDA GRASS ANNUAL RYE GRASS	HYDROMULCH W/ SEED MIX PER SPECIFICATIONS
<u>VINE:</u>				
✱	160	IPOMOEA HORSFALLIAE	KUHIO VINE	6" POT, 3' O.C., PLANT ALONG FENCE
<u>RESTORATION:</u>				
.....	1,300 SF APPROX.	CONTRACTOR TO RESTORE AREA TO ORIGINAL CONDITION PRIOR TO CONSTRUCTION		

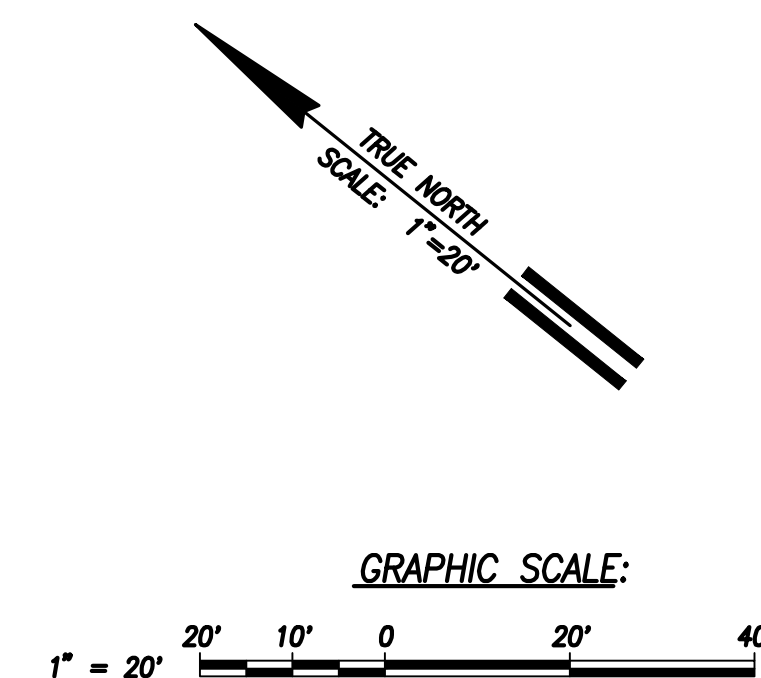
LEGEND

HYDROMULCH AREAS 


HYDROMULCH LIMITS 

PROPERTY LINE 


UTILITY POLES 



ENGINEER	LI				
DRAFTSMAN	KY	3/27/17		ADD 2: Rmw trees; extend vines	LI
CHECKED BY	LI	REVISION	DATE	BRIEF	BY
		APPROVED			



LESTER H. INOUÉ
LICENSED
PROFESSIONAL
LANDSCAPE
ARCHITECT
No. 5530
HAWAII, U.S.A.




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Department of Hawaiian Home Lands
PAPAKOLEA SEWER IMPROVEMENTS
AUWAOLIMO SLOPE STABILIZATION & SEWER LINES C & C-1 IMPROVEMENTS
Papakolea, Honolulu, Oahu, Hawaii

PLANTING PLAN

THIS WORK WAS PROVIDED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. "CONSERVATION OF CONSTRUCTION" IS DEFINED IN CHAPTER 16-115, HAWAII ADMINISTRATIVE RULES ENTITLED "PROFESSIONAL, ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS".



Lester H. Inoué

SIGNATURE

APR 2018

LIC. EXP.

FILE	POCKET	FOLDER	NO.