DEPARTMENT OF HAWAIIAN HOME LANDS
STATE OF HAWAII

MARCH 19, 2015

ADDENDUM NO. 2

TO

PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

FOR

TASK ORDER 11 PAPAKOLEA HAWAIIAN HOMESTEAD SUBDIVISION IAUKEA STREET AND KRAUSS STREET

PAPAKOLEA, OAHU, HAWAII

IFB NO.: IFB-15-HHL-016

NOTICE TO ALL PROSPECTIVE BIDDERS

This addendum is hereby made a part of the PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND for the TASK ORDER 11 PAPAKOLEA HAWAIIAN HOMESTEAD SUBDIVISION IAUKEA STREET AND KRAUSS STREET, PAPAKOLEA, OAHU, HAWAII, and it shall amend the said contract documents as detailed within this Addendum document.

APPROVED:

N Sakamoto

Norman Sakamoto, Acting Administrator
Land Development Division

Date: 19 Mar 15

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 TASK ORDER 11 PAPAKOLEA HAWAIIAN HOMESTEAD SUBDIVISION IAUKEA STREET AND KRAUSS STREET, PAPAKOLEA, OAHU, HAWAII, is hereby acknowledged.

Signed_____ Title_____

Firm_____ Date_____

ADDENDUM NO. 2
MARCH 19, 2015

TO

PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

FOR

TASK ORDER 11 PAPAKOLEA HAWAIIAN HOMESTEAD SUBDIVISION
IAUKEA STREET AND KRAUSS STREET

PAPAKOLEA, OAHU, HAWAII

IFB NO.: IFB-15-HHL-016

ITEM NO. 1 - CONSTRUCTION PLANS

Replace the following sheets with the attachments to this addendum.

Drawing C-104, Site Plan
1. Revised alignment of Retaining Wall for sight distance requirements.
2. Revised grading.
3. Revised Earthwork Quantities table.
4. Revised Section A2/C-104.

Drawing C-105, Miscellaneous Details
1. Revised Retaining Wall Profile.

Drawing S-101, General Notes and Typical Details
1. Revised mislabelled note title to Foundation Notes.
2. Changed the note 3 under Foundation Notes.

Drawing S-102, Retaining Wall Details
1. Incorporated the requirements of note 4 on the retaining wall details

ITEM NO. 2 BID OPEN DATE

The Bid Opening date has been changed, the new bid open date is 2:00 PM. Friday, March 27, 2015 at Hale Kalanianaole, 91-5420 Kapolei Parkway, Kapolei, HI 96707

EARTHWORK QUANTITIES
(FOR PERMIT PURPOSES ONLY)

EXCAVATION	58 C.Y.
EMBANKMENT	7 C.Y.
AREA TO BE GRADED	0.08 ACRES

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	3/18/15	RA	DK	ADDENDUM NO. 2

REVISIONS

DIANE Y. KODAMA — LICENSED PROFESSIONAL ENGINEER No. 8688-C — HAWAII, U.S.A.

AECOM

REG. PROF. ENGR. — 08/22/2014 DATE

DRAWN BY: RA
DEPT. CHECK: MXD
PROJ. CHECK: DYK

SCALE: 10' 0 10' 20'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

TAX MAP KEY: 2-4-040:020

DHHL TASK ORDER 11
PAPAKOLEA HAWAIIAN HOMESTEAD SUBDIVISION
IAOKEA STREET AND KRAUSS STREET
PAPAKOLEA, OAHU, HAWAII

SITE PLAN

JOB 60317167
FILE NO.
CADD FILE
SHEET 5 of 11 sheets
C-104

A5 / C-105 **RETAINING WALL PROFILE**
1"=10' HORIZ, 1"=2' VERT

NOTES:

1. TRUE DAM IS MANUFACTURED BY DANDY PRODUCTS, INC., GROVE CITY, OHIO.
2. THE CONTRACTOR SHALL REMOVE INLET FILTERS DURING TIMES OF ABOVE-NORMAL RAINFALL EVENTS AND REPLACE THEM WHEN THE EVENT HAS PASSED.

C2 / C-105 **TRUE DAM FILTER FOR CATCH BASIN (OR APPROVED EQUAL)**
NOT TO SCALE

NOTE:
(*) ALL SIGN INSTALLATIONS MUST MEET LATERAL AND HEIGHT CLEARANCES, INCLUDING NEW SIGNS THAT WILL BE POSTED ON TO EXISTING SIGN POSTS. EXTEND, RELOCATE OR REPLACE AS REQUIRED TO MEET CLEARANCE REQUIREMENTS.

ANCHOR POST NOTES:

1. KEEP INSIDE OF 2-1/4" ANCHOR POST FREE FROM IMPEDIMENTS THAT MAY PREVENT PROPER SEATING OF 2" SIGN POST.
2. SQUARE TUBING SIGN POST SHALL BE TELESCOPING TYPE WITH 7/16" DIA. HOLES AT 1" O.C. ON FOUR SIDES.
3. OCTAGONAL SIGN POST SHALL BE TELESCOPING TYPE WITH 7/16" DIA. HOLES AT 1" O.C. ON TWO SIDES.
4. USE 5/16" X 2-3/4" BOLTS TO SECURE THE OCTAGONAL AND SQUARE TUBING POST ONTO THE 2-1/4" SQUARE TUBE ANCHOR POST.

A2 / C-105 **INSTALLATION OF NEW SIGN POST WITH CONC FOOTING**
NOT TO SCALE

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	3/18/15	RA	DK	ADDENDUM NO. 2

REVISIONS

DIANE Y. KODAMA LICENSED PROFESSIONAL ENGINEER No. 8888-C HAWAII, U.S.A.

AECOM

REG. PROF. ENGR. — 08/22/2014 DATE

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PROJ. CHECK: DYK
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TAX MAP KEY: 2-4-040:020

DHHL TASK ORDER 11
PAPAKOLEA HAWAIIAN HOMESTEAD SUBDIVISION
IAOKEA STREET AND KRAUSS STREET
PAPAKOLEA, OAHU, HAWAII

MISCELLANEOUS DETAILS

JOB 60317167
FILE NO.
CADD FILE
SHEET 6 of 11 sheets
C-105

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. ALL DISCREPANCIES SHALL BE PROMPTLY REPORTED TO THE ENGINEER.
2. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3. ALL WORK SHALL CONFORM TO THE 2006 INTERNATIONAL BUILDING, CODE AS ADOPTED BY THE CITY AND COUNTY OF HONOLULU, UNLESS SPECIFICALLY NOTED.
4. UNLESS SPECIFICALLY DETAILED ELSEWHERE, CONTRACTOR SHALL FOLLOW TYPICAL DETAILS ON THIS SHEET.
5. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE DESIGN AND PROVISION OF ALL TEMPORARY BRACING, SHORING, GUYS, ETC.
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING SHORING, LAGGING, AND PROTECTION OF ADJACENT PROPERTIES AND UTILITIES.

REINFORCING STEEL:

1. UNLESS OTHERWISE INDICATED ON PLANS AND/OR SCHEDULE, ALL REINFORCING STEEL SHALL BE DEFORMED BARS WHICH SHALL CONFORM TO THE STANDARD SPECIFICATION OF ASTM A615 GRADE 60, EXCEPT BARS THAT ARE WELDED. BARS THAT SEE WELDED, SHALL CONFIRM TO ASTM A706 GRADE 60.
2. LOW HYDROGEN WELDING RODS SHALL BE USED FOR ALL WELDING TO REINFORCING BARS.
3. REINFORCING SHALL BE SPLICED ONLY AS SHOWN ON DRAWINGS. ALL OTHER SPLICES SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.
4. BARS NOTED AS "CONT." SHALL BE SPLICED A MINIMUM OF 48 BAR DIAMETERS, BUT NEVER LESS THAN 2'-0".
5. ALL REINFORCING STEEL, ANCHOR BOLTS AND OTHER INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE. CONCRETE SHALL SUBMIT REBAR POSITIONS FOR VERTICAL REBARS IN CMU FOR APPROVAL.
6. MINIMUM CONCRETE PROTECTION FOR REINFORCING STEEL UNLESS OTHERWISE SHOWN:
   - CONCRETE CAST AGAINST EARTH (DOES NOT APPLY TO SLAB ON GRADE REINFORCEMENT) . . . . . 3"
   - FORMED CONCRETE EXPOSED TO EARTH OR WEATHER . . . . . 2"

CONCRETE:

1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318-02.
2. SLEEVES EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPE MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.
3. SECURE ALL BOLTS, ANCHORS, INSERTS, ETC. AND VERIFY ALL GROOVES, SLOTS, AND FINISHES PRIOR TO PLACING CONCRETE.
4. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER AND SPECIAL INSPECTOR 48 HOURS PRIOR TO THE POURING OF ANY STRUCTURAL CONCRETE SO AN INSPECTION CAN BE MADE OF ALL FORMS AND REINFORCING STEEL.
5. THE 28-DAY COMPRESSIVE STRENGTH AND MAXIMUM AGGREGATE SIZE OF CONCRETE SHALL BE AS FOLLOWS:

	STRENGTH (PSI)	MAX. AGGREGATE
FOOTINGS AND STEM WALLS	4,000	1½"

6. MAXIMUM WATER/CEMENT RATIO OF ALL CONCRETE SHALL BE 0.50.

CONCRETE MASONRY UNITS (CMU):

1. SPECIFIED DESIGN STRENGTH OF MASONRY ASSEMBLIES: f'm = 1500 PSI.
2. CONCRETE MASONRY UNITS SHALL BE HOLLOW, LOAD BEARING UNITS CONFORMING TO ASTM C90, TYPE I. MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE 2000 PSI.
3. MASONRY MORTAR SHALL CONFORM TO ASTM C270, TYPE "M", WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
4. WALLS SHALL BE CONSTRUCTED IN CONVENTIONAL RUNNING BOND.
5. SEE REINFORCING STEEL NOTES AND TYPICAL DETAILS FOR REINFORCING STEEL REQUIREMENTS. SECURE REINFORCING IN PROPER POSITION WITH GALVANIZED, NO. 9 GAUGE WIRE POSITIONERS.
6. MASONRY GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
7. UNLESS NOTED OTHERWISE, ALL CELLS SHALL BE GROUTED SOLID. GROUT WALLS IN LIFTS NOT TO EXCEED 5'-4" IN HEIGHT. LIMIT HEIGHT OF GROUT POURS TO 8'-0" UNLESS CLEANOUTS CONFORMING TO ACI 530.1-05 ARE PROVIDED.
8. DURING PLACEMENT CONSOLIDATE GROUT BY MECHANICAL VIBRATION. AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED, RECONSOLIDATE GROUT BY MECHANICAL VIBRATION.

FOUNDATION NOTES:

1. RETAINING WALL DESIGN IS BASED ON SOILS INVESTIGATION REPORT, ENTITLED "GEOTECHNICAL ENGINEERING EXPLORATION RETAINING WALL DISTRESSES KRAUSS STREET AND IAUKEA STREET HONOLULU, OAHU, HAWAII W.O. 6931-00 DATED AUGUST 26, 2014.
2. IT IS ANTICIPATED THE RETAINING WALL WILL BEAR ON THE BASALT FORMATION. SOFT AND/OR LOOSE SOILS ENCOUNTERED AT THE BOTTOM OF FOOTING SHALL BE OVER-EXCAVATED TO EXPOSE THE UNDERLYING DENSE MATERIALS. THE RESULTING OVER-EXCAVATION SHALL BE BACKFILLED WITH LOW STRENGTH ~~CONCRETE. LOW STRENGTH CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 1,500 PSI.~~
3. FOOTINGS LOCATED NEXT TO UTILITY TRENCHES OR EASEMENTS, IT SHALL BE EMBEDDED A MINIMUM OF 1'-0" (RELATIVE TO THE TOP OF FOOTING) BELOW FINISH GRADE WITHIN A HORIZONTAL DISTANCE OF 5'-0" FROM TOP OUTSIDE EDGE OF FOOTING.
4. ~~ALL FOOTING CONSTRUCTED NEAR TOPS OF SLOPES OR ON SLOPING GROUND SHALL BE EMBEDDED DEEP~~ ENOUGH TO PROVIDE A MINIMUM HORIZONTAL SETBACK DISTANCE OF 6 FEET MEASURED FROM THE OUTSIDE BOTTOM EDGE OF FOOTING TO THE FACE OF SLOPE.
5. RETAINING WALL WAS DESIGNED BASED ON THE FOLLOWING PARAMETERS:
   - ALLOWABLE BEARING ON BASALT FORMATION . . . . . 6,000 PSF
   - COEFFICIENT OF FRICTION 0.50
   - ALLOWABLE PASSIVE PRESSURE . . . . . 400 PCF (UPPER 12 INCH NEGLECTED UNLESS PAVED BY ASPHALT OR CONCRETE.)

LATERAL EARTH PRESSURES FOR DESIGN OF RETAINING WALL

BACKFILL CONDITION	EARTH PRESSURE COMPONENT	ACTIVE (PCF)	AT-REST (PCF)
LEVEL BACKFILL	HORIZONTAL	38	55
	VERTICAL	NONE	NONE
2H:1V	HORIZONTAL	61	77
	VERTICAL	30	38

6. THE RETAINING WALL SHALL BE BACKFILLED WITH GRANULAR MATERIALS. THE GRANULAR MATERIAL SHALL CONSIST OF CRUSHED BASALT OR CORAL, LESS THAN 3 INCHES IN MAXIMUM SIZE WITH 5 TO 20 PERCENT FINES. THE MATERIAL SHALL ALSO HAVE A LABORATORY CBR (ASTM D1883) GREATER THAN 20 AND SWELL LESS THAN 1.0 PERCENT. IT IS ASSUMED THAT THE BACKFILL BEHIND THE RETAINING WALL WILL BE COMPACTED TO BETWEEN 90 AND 95 PERCENT RELATIVE COMPACTION. OVER-COMPACTION OF THE BACKFILL SHALL BE AVOIDED.
7. CONSTRUCTION MONITORING: THE CONTRACTOR SHALL HIRE GEOLABS INC. TO PROVIDE GEOTECHNICAL ENGINEERING SUPPORT AND CONTINUED SERVICES DURING CONSTRUCTION. THE FOLLOWING ARE ITEMS OF CONSTRUCTION MONITORING THAT SHALL BE MONITORED TO ESTABLISH QUALITY CONTROL OVER THE WORK:
   - OBSERVATION OF THE BOTTOM FOUNDATION EXCAVATION PRIOR TO THE PLACEMENT OF ANY REINFORCEMENT.
   - OBSERVATION AND TESTING OF THE BACKFILL BEHIND THE NEW WALL. BACKFILL MATERIAL SHALL BE TESTED PRIOR BEING TRANSPORTED TO THE SITE.

SPECIAL INSPECTION

1. CONTRACTOR SHALL EMPLOY A SPECIAL INSPECTOR FOR WORK REQUIRING SPECIAL INSPECTION PER CHAPTER 17 OF THE 2006 IBC AS ADAPTED BY THE CITY AND COUNTY OF HONOLULU.
2. SPECIAL INSPECTION FIRM SHALL HAVE AT LEAST 6 YEARS OF EXPERIENCE AND SHALL BE CERTIFIED BY THE CITY AND COUNTY OF HONOLULU, DPP.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SPECIAL INSPECTOR TO ENSURE THAT ALL ELEMENTS REQUIRING SPECIAL INSPECTION ARE INSPECTED.
4. SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING TYPES OF WORK:
   - A. CONCRETE:
     OBSERVE THE TAKING OF TEST SPECIMENS AND PLACING OF CONCRETE FOR ALL ELEMENTS.
   - B. MASONRY:
     OBSERVE THE TAKING OF TEST SPECIMENS, SITE PREPARED MORTAR PORTIONS, PLACING OF GROUT.
   - C. REINFORCING:
     OBSERVE THE PLACEMENT OF ALL REINFORCING. THE SPECIAL INSPECTOR NEED NOT BE PRESENT CONTINUOUSLY DURING THE PLACEMENT OF REINFORCING STEEL, PROVIDED HE HAS INSPECTED FOR CONFORMANCE WITH THE APPROVED PLANS PRIOR TO THE CLOSING OF FORMS FOR THE DELIVERY OF CONCRETE TO THE JOBSITE.

A / S-101 TYP. STEPPED FOOTING
NOT TO SCALE

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	03/16/15	C.S.	C.S.	Addendum No. 2

REVISIONS

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSIDERATION OF THIS PROJECT ONLY. IT EXPIRES ON THE 30TH DAY OF APRIL, 2015 UNLESS REVOKED SOONER.

CRAIG H. SAKANASHI LICENSED PROFESSIONAL ENGINEER No. 5609-S HAWAII, U.S.A.

AECOM

REG. PROF. ENGR. — DATE 08/22/2014

DRAWN BY: LC/MM
DEPT. CHECK: CS
PROJ. CHECK: CS
SCALE:
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IAUKEA STREET AND KRAUSS STREET
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GENERAL NOTES AND TYPICAL DETAILS

JOB 60317167
FILE NO.
CADD FILE
SHEET ___ of ___ sheets
S-101

SCHEDULE FOR RETAINING WALL 4'-0" ≤ HT ≤ 8'-0"							
MARK	HT	"t"	"B"	"X"-BAR	"T" BAR	"Y1" BAR	"Y2" BAR
RW-1	≤ 6'-0"	1'-0"	5'-3"	#4@12"o.c.	5-#5 CONT.	#6@16"o.c.	#5@16"o.c.
RW-2	≤ 8'-0"	1'-4"	8'-0"	#5@12"o.c.	8-#5 CONT.	#6@16"o.c.	#5@16"o.c.

4'-0" ≤ HT ≤ 8'-0"
RW-1 AND RW-2

HT ≤ 10'-0"
RW-3

(A) S-102 PROPERTY LINE RETAINING WALL

SCALE: 3/4" = 1'-0"

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	03/16/15	C.S.	C.S.	Addendum No. 2

REVISIONS

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND REPRESENTS MY THIS PRIMARY WALL IS UNDER MY PROFESSION EXPIRATION DATE OF THE LICENSE 4/30/14

CRAIG H. SAKANASHI LICENSED PROFESSIONAL ENGINEER No. 5509-S HAWAII, U.S.A.

AECOM

REG. PROF. ENGR. — DATE 08/22/2014

DRAWN BY: LC/MM
DEPT. CHECK: CS
PROJ. CHECK: CS

SCALE: 1' 0 1' 2' 3'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

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IAUKEA STREET AND KRAUSS STREET
PAPAKOLEA, OAHU, HAWAII

RETAINING WALL DETAILS

JOB 60317167
FILE NO.
CADD FILE
SHEET ___ of ___ sheets
S-102