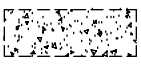

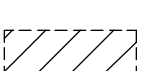



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LEGEND:

---	LIMITS OF GRADING		CLSM FILL
----	EXISTING CONTOUR		FILL AREA WITH EXCAVATED LEVEL 1 SOIL
—108—	PROPOSED CONTOUR		LEVEL 1 (SLIGHTLY-CONTAMINATED) SOIL EXCAVATE 2 FT BELOW EXISTING GRADE
~>	DIRECTION OF FLOW		LEVEL 1 (SLIGHTLY-CONTAMINATED) SOIL EXCAVATE 3 FT BELOW EXISTING GRADE
* 97.7	EXISTING SPOT ELEVATION		
---	SLOPED BANK		

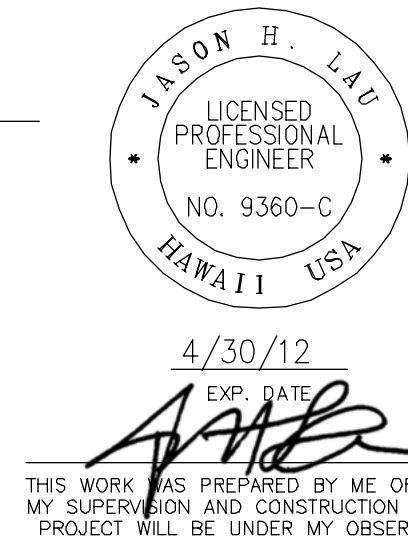
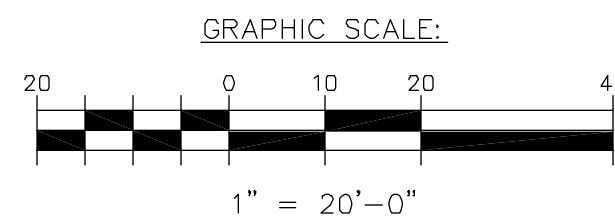
PHASE I PLAN

SCALE: 1" = 20'

APPROVED:

CHIEF, CIVIL ENGINEERING BRANCH, DPP
(FOR SITE GRADING ONLY)

DATE



EARTHWORK SUMMARY (PHASE I ONLY)

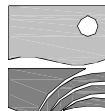
EXCAVATION:	3,333 C.Y.
EMBANKMENT:	3,333 C.Y.
AREA TO BE GRADED:	2.15 AC.

TOTAL EARTHWORK SUMMARY (PHASES 1-3)

EXCAVATION:	3,333 C.Y.
EMBANKMENT:	12,014 C.Y.
TOTAL AREA DISTURBED:	2.56 AC.

NOTES:

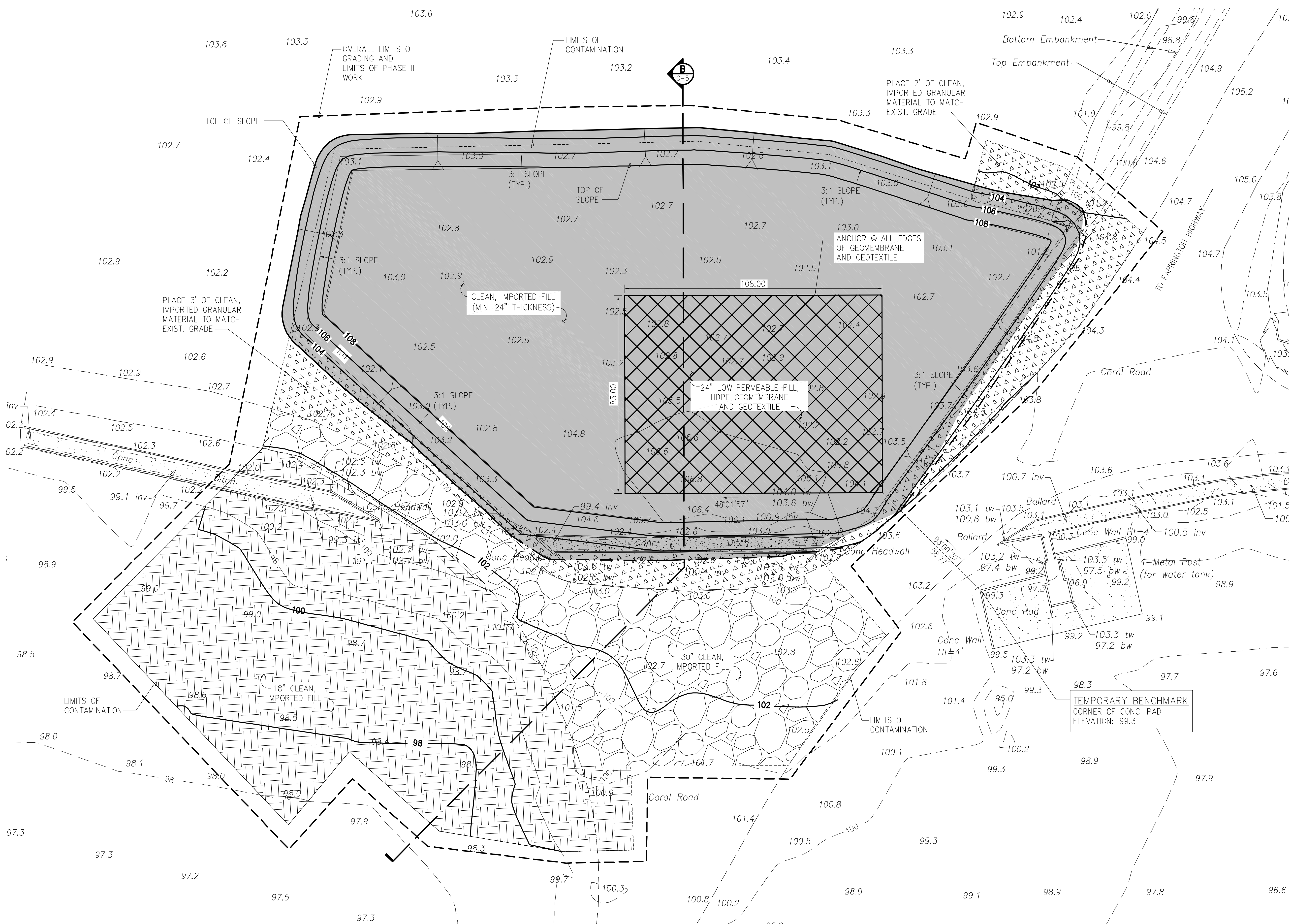
- QUANTITIES PROVIDED ARE FOR PERMIT PURPOSES ONLY; CONTRACTOR SHALL PERFORM HIS OWN CALCULATIONS TO VERIFY QUANTITIES.
- WORK CONSISTS OF REMEDIATION OF SOIL CONTAMINATED WITH ELEVATED ARSENIC, DIOXINS/FURANS, PENTACHLOROPHENOL, AND TRIAZINE PESTICIDE, WHICH MAY PRESENT AN ENDANGERMENT TO HUMAN HEALTH AND THE ENVIRONMENT. ALL REMEDIATION WORK SHALL BE DONE IN ACCORDANCE WITH "REMEDIATION ACTION WORK PLAN, EAST KAPOLEI II PESTICIDE MIXING AND LOADING SITE, EWA, OAHU, HAWAII, TMK (1) 9-1-017:PARCEL 110 (PORTION)" REPORT, PREPARED BY ENVIROSERVICES & TRAINING CENTER, LLC., DATED OCTOBER 2010.
- CONTAMINATED SOILS SHALL REMAIN WITHIN PROJECT LIMITS.
- CONTRACTOR SHALL WASH AND DECONTAMINATE VEHICLES AND EQUIPMENT PRIOR TO LEAVING PROJECT LIMITS. ALL WASHING AND DECONTAMINATION, INCLUDING WASH WATER AND CONTAMINATED SOIL REMOVED SHALL BE DISPOSED OF WITHIN SHADED REGION ON PHASE I PLAN.
- AFTER EXCAVATING TO 2 FT AND 3 FT DEPTHS, DHHL'S REPRESENTATIVE SHALL TEST SUBGRADE FOR PRESENCE OF ADDITIONAL CONTAMINATION AS INDICATED IN THE SPECIFICATIONS. ALLOW FOR ONE (1) TO TWO (2) MONTHS TESTING PERIOD DURING WHICH NO OTHER CONSTRUCTION WORK MAY OCCUR.
- AFTER PLACEMENT OF EXCAVATED SOILS, CONTRACTOR SHALL LAY CONSTRUCTION BARRIER FENCE OVER ENTIRE SHADED REGION (APPROX. 4235.5 S.Y.).

REV	DATE	DESCRIPTION		BY	APPR
<div></div> <div>THE LIMTIACO CONSULTING GROUP CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING 680 WILEY ROAD, SUITE 430 • HONOLULU, HAWAII 96817 PHONE: (808) 596-7790 • FAX: (808) 596-7361</div>					
STATE OF HAWAII DEPARTMENT OF HAWAIIAN HOME LANDS					
REMEDIATION OF THE EAST KAPOLEI PESTICIDE MIXING AND LOADING SITE HONOLULU, EWA, OAHU, HAWAII TAX MAP KEY: 9-1-017: por. 110					
PHASE I PLAN					
DRAWN BY: ML		DES BY: ML		CHECKED BY: JL	
SCALE: 1" = 20'		DATE: JANUARY 2011			
APPROVED:					
FILE	POCKET	FOLDER	NO.		

DRAWING C-2

SHEET 4 OF 11

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LEGEND:

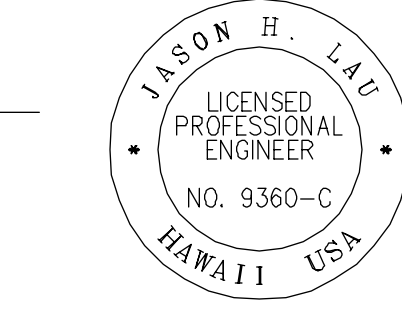
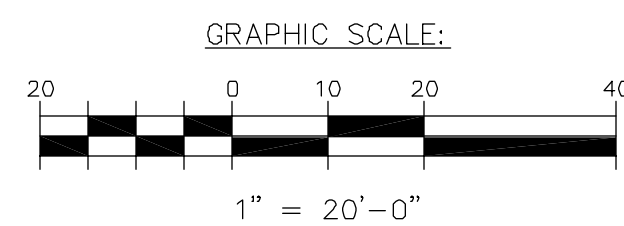
---	LIMITS OF GRADING		CLSM FILL		30" CLEAN, IMPORTED FILL
----	EXISTING CONTOUR		MIN. 24" OF CLEAN, IMPORTED FILL		18" CLEAN, IMPORTED FILL
100	PHASE I CONTOUR		2' OR 3' CLEAN, IMPORTED GRANULAR MATERIAL TO MATCH EXIST. GRADE		SLOPED BANK
108	PROPOSED CONTOUR		LIMITS OF 24" LOW PERMEABLE FILL, HDPE GEOMEMBRANE AND GEOTEXTILE		
~	DIRECTION OF FLOW				
x 97.7	EXISTING SPOT ELEVATION				

PHASE II PLAN
SCALE: 1" = 20'

APPROVED:

CHIEF, CIVIL ENGINEERING BRANCH, DPP
(FOR SITE GRADING ONLY)

DATE

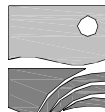


4/30/12
EXP. DATE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

EARTHWORK SUMMARY (PHASE II ONLY)	
EXCAVATION:	0000 C.Y.
EMBANKMENT:	7,313 C.Y.
AREA TO BE GRADED:	2.15 AC.

NOTES:

- QUANTITIES PROVIDED ARE FOR PERMIT PURPOSES ONLY; CONTRACTOR SHALL PERFORM HIS OWN CALCULATIONS TO VERIFY QUANTITIES.
- WORK CONSISTS OF REMEDIATION OF SOIL CONTAMINATED WITH ELEVATED ARSENIC, DIOXINS/FURANS, PENTACHLOROPHENOL, AND TRIAZINE PESTICIDE, WHICH MAY PRESENT AN ENDANGERMENT TO HUMAN HEALTH AND THE ENVIRONMENT. ALL REMEDIATION WORK SHALL BE DONE IN ACCORDANCE WITH "REMEDIAL ACTION WORK PLAN, EAST KAPOLEI II PESTICIDE MIXING AND LOADING SITE, EWA, OAHU, HAWAII, TMK (1) 9-1-017:PARCEL 110 (PORTION)" REPORT, PREPARED BY ENVIROSERVICES & TRAINING CENTER, LLC., DATED OCTOBER 2010.
- CONTAMINATED SOILS SHALL REMAIN WITHIN PROJECT LIMITS.
- CONTRACTOR SHALL WASH AND DECONTAMINATE VEHICLES AND EQUIPMENT PRIOR TO LEAVING PROJECT LIMITS. ALL WASHING AND DECONTAMINATION, INCLUDING WASH WATER AND SOIL REMOVED SHALL BE DISPOSED OF WITHIN SHADED REGION ON PHASE I PLAN.
- AFTER PLACEMENT OF 24" THICK LAYER OF CLEAN, IMPORTED FILL AND LOW PERMEABLE FILL WITH GEOTEXTILE AND GEOMEMBRANE, CONTRACTOR SHALL LAY METALLIC MARKING TAPE IN A 10' X 10' GRID OVER ENTIRE SHADED REGION (5093.6 S.Y.).

REV	DATE	DESCRIPTION		BY	APPR
<div></div> <div>THE LIMTIACO CONSULTING GROUP CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING 680 WILEY ROAD, SUITE 430 • HONOLULU, HAWAII 96817 PHONE: (808) 596-7790 • FAX: (808) 596-7361</div>					
STATE OF HAWAII DEPARTMENT OF HAWAIIAN HOME LANDS					
REMEDIATION OF THE EAST KAPOLEI PESTICIDE MIXING AND LOADING SITE HONOLULU, EWA, OAHU, HAWAII TAX MAP KEY: 9-1-017: por. 110					
PHASE II PLAN					
DRAWN BY: ML		DES BY: ML		CHECKED BY: JL	
SCALE: 1" = 20'		DATE: JANUARY 2011			
APPROVED:					
FILE	POCKET	FOLDER	NO.		

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LEGEND:

- LIMITS OF GRADING
--- EXISTING CONTOUR
--- 100 --- PHASE II CONTOUR
--- 108 --- PROPOSED CONTOUR
--- DIRECTION OF FLOW
* 97.7 EXISTING SPOT ELEVATION

- CLSM FILL
18" CLEAN, IMPORTED FILL WITH 6" TOPSOIL AND GRASSING
6" TOPSOIL
6" BASE COURSE
SLOPED BANK

PHASE III PLAN

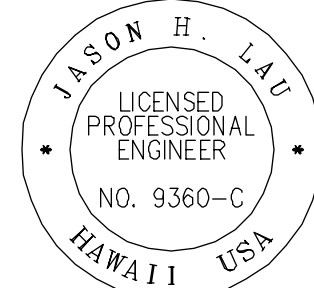
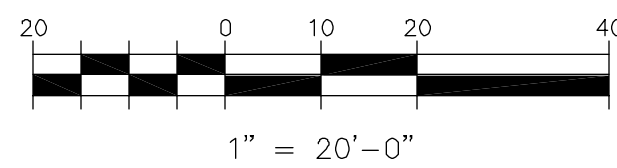
SCALE: 1" = 20'

APPROVED:

CHIEF, CIVIL ENGINEERING BRANCH, DPP
(FOR SITE GRADING ONLY)

DATE

GRAPHIC SCALE:



4/30/12
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

EARTHWORK SUMMARY (PHASE III ONLY)

EXCAVATION:	0000 C.Y.
EMBANKMENT:	1,368 C.Y.
AREA TO BE GRADED:	2.15 AC.

NOTES:

- QUANTITIES PROVIDED ARE FOR PERMIT PURPOSES ONLY; CONTRACTOR SHALL PERFORM HIS OWN CALCULATIONS TO VERIFY QUANTITIES.
- WORK CONSISTS OF REMEDIATION OF SOIL CONTAMINATED WITH ELEVATED ARSENIC, DIOXINS/FURANS, PENTACHLOROPHENOL, AND TRIAZINE PESTICIDE, WHICH MAY PRESENT AN ENDANGERMENT TO HUMAN HEALTH AND THE ENVIRONMENT. ALL REMEDIATION WORK SHALL BE DONE IN ACCORDANCE WITH "REMEDIATION ACTION WORK PLAN, EAST KAPOLEI II PESTICIDE MIXING AND LOADING SITE, EWA, OAHU, HAWAII, TMK (1) 9-1-017:PARCEL 110 (PORTION)" REPORT, PREPARED BY ENVIROSERVICES & TRAINING CENTER, LLC., DATED OCTOBER 2010.
- CONTAMINATED SOILS SHALL REMAIN WITHIN PROJECT LIMITS.
- CONTRACTOR SHALL WASH AND DECONTAMINATE VEHICLES AND EQUIPMENT PRIOR TO LEAVING PROJECT LIMITS. ALL WASHING AND DECONTAMINATION, INCLUDING WASH WATER AND SOIL REMOVED SHALL BE DISPOSED OF WITHIN SHADED REGION ON PHASE I PLAN.

REV	DATE	DESCRIPTION	BY	APPR
THE LIMTIACO CONSULTING GROUP CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING 680 WILEY ROAD, SUITE 430 • HONOLULU, HAWAII 96817 PHONE: (808) 596-7790 • FAX: (808) 596-7361				
STATE OF HAWAII DEPARTMENT OF HAWAIIAN HOME LANDS				
REMEDATION OF THE EAST KAPOLEI PESTICIDE MIXING AND LOADING SITE HONOLULU, EWA, OAHU, HAWAII TAX MAP KEY: 9-1-017: por. 110				
PHASE III PLAN				
DRAWN BY: ML	DES BY: ML	CHECKED BY: JL		
SCALE: 1" = 20'		DATE: JANUARY 2011		
APPROVED:				

DRAWING C-4

SHEET 6 OF 11

FILE	POCKET	FOLDER	NO.
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