

DEPARTMENT OF HAWAIIAN HOME LANDS  
STATE OF HAWAII

JUNE 13, 2012

**ADDENDUM NO. 2**

TO PROPOSAL, SPECIFICATIONS, CONTRACT AND BOND FOR  
IFB NO.: IFB-12-HHL-004

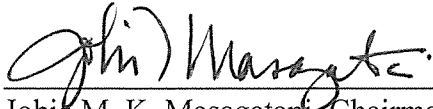
**EAST KAPOLEI II DEVELOPMENT, ROAD E EXTENSION**

LOCATION: HONOULIULI, EWA, OAHU, HAWAII  
TAX MAP KEY: 9-1-17: 75

**NOTICE TO ALL PROSPECTIVE BIDDERS**

This addendum is hereby made a part of the contract documents for EAST KAPOLEI II DEVELOPMENT, ROAD E EXTENSION, HONOULIULI, EWA, OAHU, HAWAII, and it shall amend the said contract documents as detailed within this Addendum document.

APPROVED:



Jobie M. K. Masagatan, Chairman Designate  
Hawaiian Homes Commission

Date: June 13, 2012

Please detach, execute, and return immediately, the receipt below, to the Department of Hawaiian Home Lands, P. O. Box 1879, Honolulu, HI 96805, or by facsimile to 620-9299.

-----  
Receipt of Addendum No. 2 for EAST KAPOLEI II DEVELOPMENT, ROAD E EXTENSION, HONOULIULI, EWA, OAHU, HAWAII, is hereby acknowledged.

Signed \_\_\_\_\_

Title \_\_\_\_\_

Firm \_\_\_\_\_

Date \_\_\_\_\_

ADDENDUM NO. 2

TO PROPOSAL, SPECIFICATIONS, CONTRACT AND BOND FOR  
EAST KAPOLEI II DEVELOPMENT, ROAD E EXTENSION,  
HONOULIULI, EWA, OAHU, HAWAII  
TAX MAP KEY: 9-1-17: 75  
IFB-12-HHL-004

IFB-12-HHL-004 is revised as follows:

**NOTICE TO BIDDERS**

1. The Notice to Bidders is amended as follows:

SEALED BIDS for IFB No: IFB-12-HHL-004, East Kapolei II Development, Road E Extension, Honouliuli, Ewa, City and County of Honolulu, State of Hawaii, will be received by the Department of Hawaiian Home Lands (DHHL), at Hale Kalaniana'ole, 91-5420 Kapolei Parkway, Kapolei, Hawaii 96707, until **2:00 p.m., Hawaii Standard Time (H.S.T.) June 13 20, 2012**, at which time all bids will be publicly opened and read aloud.

**CONTRACTOR'S SUBMITTALS - BID OFFER FORM**

1. Delete the Bid Offer Form in its entirety and replace with Addendum No. 2 (June 13, 2012) Bid Offer Form, Attachment 1 to this addendum.

**TECHNICAL SPECIFICATIONS**

1. Section 02731 – Sanitary Sewer System. Replace page 02731-1 with the attached Addendum No. 2 page 02731-1
  - a. A change has been made to Section 1.02 Work Included. Under the list of DPW Standard Specifications the “Vitrified Clay Sewer Pipe and Appurtenances.... Section 18” has been changed to “**PVC Sewer Pipe and Appurtenances..... Section 21**”.
  - b. A change has been made to Section 2.01 Materials, Item A. Sewer Pipe. The material “Vitrified Clay Pipe, Extra Strength” has been changed to “**Polyvinyl Chloride Pipe, C-900, Class 150 (DR 18)**”.

**CONSTRUCTION PLANS**

1. All Addendum No. 2 revisions coincide with Delta 2 revisions on plans. Delete drawings (below), and replace with the revised drawings Delta 2.

DWG. NO.	ITEM NO.	GENERAL DESCRIPTION OF REVISION
C-5		<b>EROSION CONTROL PLAN</b>
	1	Revised callouts for Dust Fence.
C-10		<b>PLAN AND PROFILE ROAD “A”</b>
	1	Added call out for 18” RCP at Lot 3.
	2	Added call out for 8” PVC Sewer at Lot 4.
C-19		<b>DIAGONAL SPLITTER DETAIL</b>
	1	Revised dimension line on Construction Plan.

DWG. NO.	ITEM NO.	GENERAL DESCRIPTION OF REVISION
L-5		LANDSCAPE DETAIL, LEGEND, AND NOTES
	1	Under Plant Schedule: for Rainbow Shower Tree revised cont. from "Field Stock" to "25 gallon."

**REQUESTS FOR CLARIFICATION**

Question: On line item 17 class B concrete sidewalk, is the 18: thick aggregate sub base required under the sidewalk only or not in the planter strip. Please advise.

**Response: A revised bid proposal form will be issued via Addendum no. 2.**

Question: Section 02500 Road Pavement and 02501 Asphalt Concrete Base did not show any information about using recycle material in the mixes. For example State projects allow up to 20 percent RAP (Recycle Asphalt Pavement) aggregate in the surface and binder courses. Allowance for City projects for batch plants, aggregate for ACB may include RAP quantities up to 30 percent of total mix weight. For drum type dryer-mixer type plants aggregate for ACB may include RAP quantities up to 40 percent of total mix weight. Can you specify if this will be an option on this project as well?

**Response: Recycle Asphalt Pavement (RAP) is not an option for this contract.**

Question: There seems to be a significant difference in the plan quantities and those reflected in the proposal form. Would it be possible to have this reconciled along with the storm drainage structure quantities prior to the bid date?

DESCRIPTION	Proposal Form	~Plan Sheets
Storm Drainage	(ft)	(ft)
60" RCP	705	715
54" RCP	789	894
48" RCP	138	280
42" RCP	1,116	770
36" RCP	127	220
30" RCP	120	130
24" RCP	812	680
18" RCP	718	660

**Response: A revised bid proposal form will be issued via Addendum no. 2.**

Question: Plans show 54 EA Rainbow Shower Trees, FS, but the bid proposal is 25 gallons. Which one should we price out?

**Response: All trees shall be 25 gallon size. Revised drawing L-5.**

Question: Could you also include clarification about the sewer pipe materials in your next addendum? The plans show C-900 PVC, but the specifications for the sewer lists only VCP.

**Response:** Technical Specification Section 02731 has been revised to reference Polyvinyl Chloride Pipe, C-900, Class 150(DR18). Please see Addendum No. 2.





















TOTAL – DRAINAGE SYSTEM

(Items 32 to 68, inclusive)

\$ \_\_\_\_\_

SEWER SYSTEM

69.	996	Cu. Yds., Unclassified excavation for sewer lines, cradles and manholes, including backfill, in place complete.		
			Per Cu. Yd.	\$ _____ \$ _____
70.	39	<b>Lin. Ft., Crushed rock cradle for 6” sewer pipe, in place complete.</b>		
			Per Lin. Ft.	\$ _____ \$ _____
71.	918	<b>Lin. Ft., Crushed rock cradle for 8” sewer pipe, in place complete.</b>		
			Per Lin. Ft.	\$ _____ \$ _____
72.	383	Lin. Ft., Crushed rock cradle for 10” sewer pipe, in place complete.		
			Per Lin. Ft.	\$ _____ \$ _____
73.	41	Lin. Ft., 6” polyvinyl chloride sewer pipe, Class 150, DR=18, in place complete.		
			Per Lin. Ft.	\$ _____ \$ _____
74.	928	<b>Lin. Ft., 8” polyvinyl chloride sewer pipe, Class 150, DR=18, in place complete.</b>		
			Per Lin. Ft.	\$ _____ \$ _____
75.	393	<b>Lin. Ft., 10” polyvinyl chloride sewer pipe, Class 150, DR=18, in place complete.</b>		
			Per Lin. Ft.	\$ _____ \$ _____
76.	9	<b>Lin. Ft., Reinforced concrete jacket for 8” PVC pipe, in place complete.</b>		
			Per Lin. Ft.	\$ _____ \$ _____
77.	26	<b>Lin. Ft., Reinforced concrete jacket for 10” PVC pipe, in place complete.</b>		
			Per Lin. Ft.	\$ _____ \$ _____
78.	1	<b>Each, Plain manhole (precast concrete), 9.00’ to 9.99’, including manhole frame, walls and base, in place complete.</b>		
			Each	\$ _____ \$ _____



































TOTAL – PART 2 SANDWICH ISLES  
COMMUNICATIONS, INC. (SIC)  
WORK

(Items 173 to 178, inclusive)

\$ \_\_\_\_\_

**RECAPITULATION**

**PART 1 – DHHL Work**

ROAD CONSTRUCTION (Items 1 to 31, inclusive)	\$ _____
DRAINAGE SYSTEM (Items 32 to 68, inclusive)	\$ _____
SEWER SYSTEM (Items 69 to 83, inclusive)	\$ _____
WATER SYSTEM (Items 84 to 114, inclusive)	\$ _____
IRRIGATION WATER SYSTEM (Items 115 to 128, inclusive)	\$ _____
LANDSCAPE IMPROVEMENTS (Items 129 to 137, inclusive)	\$ _____
EXTERIOR ELECTRICAL WORK (Items 138 to 172, inclusive)	\$ _____

**PART 2 – SANDWICH ISLES COMMUNICATIONS, INC. (SIC)  
WORK (Items 173 to 178, inclusive)**

\$ \_\_\_\_\_

**TOTAL SUM BID (Part 1 + Part 2) = \_\_\_\_\_**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_).

**The prices herein for the above items shall include all materials, labor, tools, equipment, machinery and all incidentals necessary to install or to construct these items in place complete and in accordance with the plans and specifications contained in this IFB. Prices are exclusive of general excise tax (GET) for Part I (DHHL work), and inclusive of GET for Part II (SIC work).**



	01/28/10		<u>Goodfellow Bros., Inc.</u>	X			
	11/02/09		<u>Grace Pacific</u>	X		X	X
	4/26/11		<u>GW Construction</u>			X	
	11/03/09		<u>Hawaiian Cement</u>	X	X		
	12/15/09		<u>Jas. W. Glover, Ltd.</u>			X	X
	06/30/10		<u>Kauai Aggregates</u>				X
	10/20/09	07/22/10	<u>Sanford's Service Center, Inc.</u>			X	
	11/05/09		<u>Tileco, Inc.</u>	X	X	X	X
	11/03/09		<u>West Hawaii Concrete</u>			X	
	11/02/09		<u>Yamada and Sons, Inc.</u>			X	

### Aggregates – Recycled Asphalt and Concrete

Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	12/15/09		<u>Glover Honsador</u>				X
	11/02/09		<u>Grace Pacific</u>	X			
	12/15/09		<u>Jas. W. Glover, Ltd.</u>	X		X	
	10/18/10		<u>West Oahu Aggregate Co. Inc.</u>	X			

### Asphalt and Paving Materials - HI Products

Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	06/15/10		<u>Black Maui Rose LLC</u>		X		
	12/22/09		<u>Black Plumeria LLC</u>	X			
	10/21/09	11/02/09	<u>Grace Pacific Corporation</u>	X		X	X
	12/05/09		<u>Jas. W. Glover, Ltd.</u>			X	X
	11/03/11		<u>Maui Asphalt X-IV, LLC</u>		X		
	10/28/09		<u>Maui Paving LLC</u>		X		
	11/20/09		<u>Walker-Moody Pavement Products and Equipment</u>	X	X	X	X
	11/22/09		<u>Yamada and Sons, Inc. dba YS Rock and Con-Agg of Hawaii</u>			X	

### Cement and Concrete Products

Product Subcategory as applicable	Effective Date	Last Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
	11/03/09		<u>Ameron International Corporation</u>	X			
	01/19/10		<u>BOMAT, Ltd.</u>	X	X	X	X
	12/15/09		<u>Glover Honsador</u>				X
	11/03/09		<u>Hawaiian Cement</u>	X	X		
	12/15/09		<u>Jas. W. Glover, Ltd.</u>			X	X
	12/15/09		<u>Kohala Coast Concrete &amp; Precast</u>			X	



			<u>LLC</u>				
	06/30/10		<u>O. Thronas, Inc.</u>				X
	11/05/09		<u>Tileco, Inc.</u>	X	X	X	X
	11/03/09		<u>West Hawaii Concrete</u>			X	

### Precast Concrete Products

Product Subcategory <i>as applicable</i>	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
	7/12/10		<u>Aloha Precast, Inc.</u>	X	X	X	X
	11/03/09	04/15/10	<u>Ameron International Corporation</u>	X			
	08/02/10		<u>GPRM Prestress, LLC</u>	X	X	X	X
	11/03/09		<u>Hawaii Concrete Products, Inc.</u>	X			
	12/15/09		<u>Kohala Coast Concrete &amp; Precast LLC</u>			X	
	11/03/09		<u>Ramtek Fabrication Co., Inc.</u>	X	X	X	X
	06/30/10	02/26/10	<u>Walker Industries, Ltd.</u>	X	X	X	X

### Environmental Sewage-Treatment Innovative System (ESIS) Individual Wastewater System which utilizes anaerobic/aerobic processing to treat wastewater to R-2 quality at discharge

Product Subcategory <i>as applicable</i>	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
	11/20/09		<u>Environmental Waste Management Systems, Inc.</u>	X	X	X	X
Septic Tanks	11/03/09		<u>Ameron International Corporation</u>	X			
	11/05/09	02/26/10	<u>Walker Industries, Ltd.</u>	X	X	X	X

### Hot Dip Galvanizing

Product Subcategory <i>as applicable</i>	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
	03/03/10		<u>Universal Associates, Inc.</u>	X			

### Pipes-Aluminum and Galvanized

Product Subcategory <i>as applicable</i>	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
Pipes-Miscellaneous	11/03/09		<u>Ameron International Corporation</u>	X			

### Aluminum Docks, Floating, etc. - Miscellaneous

Product Subcategory	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
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Receipt of the following addenda issued by the Department is acknowledged by the date(s) of receipt indicated below:

	Date		Date
Addendum No. 1	_____	Addendum No. 5	_____
Addendum No. 2	_____	Addendum No. 6	_____
Addendum No. 3	_____	Addendum No. 7	_____
Addendum No. 4	_____	Addendum No. 8	_____

It is understood that failure to receive any such addendum shall not relieve the Contractor from any obligation under this IFB as submitted.

Bid Security in the amount of: \_\_\_\_\_  
 \_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)

as required by law, is enclosed herewith in the form of:

- |  |   |
|--|---|
| <input type="checkbox"/> Surety Bond (*1)            | <input type="checkbox"/> Official Check (*3)    |
| <input type="checkbox"/> Legal Tender (*2)           | <input type="checkbox"/> Share Certificate (*3) |
| <input type="checkbox"/> Cashier's Check (*3)        | <input type="checkbox"/> Teller's Check (*3)    |
| <input type="checkbox"/> Certificate of Deposit (*3) | <input type="checkbox"/> Treasurer's Check (*3) |
| <input type="checkbox"/> Certified Check (*3)        |   |

Respectfully submitted,

\_\_\_\_\_  
 Name of Company, Joint Venture or Partnership

\_\_\_\_\_  
 License No.

By \_\_\_\_\_  
 Signature (\*4)

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_  
 \_\_\_\_\_





SECTION 02731 – SANITARY SEWER SYSTEM

PART 1 – GENERAL

1.01 GENERAL CONDITIONS: The General Conditions and Special Provisions preceding these specifications shall govern this section of the work.

1.02 WORK INCLUDED: Furnish all labor, materials, tools, equipment and related items necessary to complete, in place, the sewer system in conformity with the dimensions, profiles, sections, and details shown on the plans. Work relating to the sewer system shall be governed by the following sections of the DPW Standard Specifications:

PVC Sewer Pipe and Appurtenances .....	Section 21
Connection to Existing Sewer and Connecting Cesspool in Direct Line of Sewer .....	Section 22
Sewer Manholes .....	Section 23
Portland Cement Concrete .....	Section 39
Concrete Blocks, Cradles and Concrete Jackets .....	Section 43
Reinforcing Steel .....	Section 48

PART 2 – PRODUCTS

2.01 MATERIALS

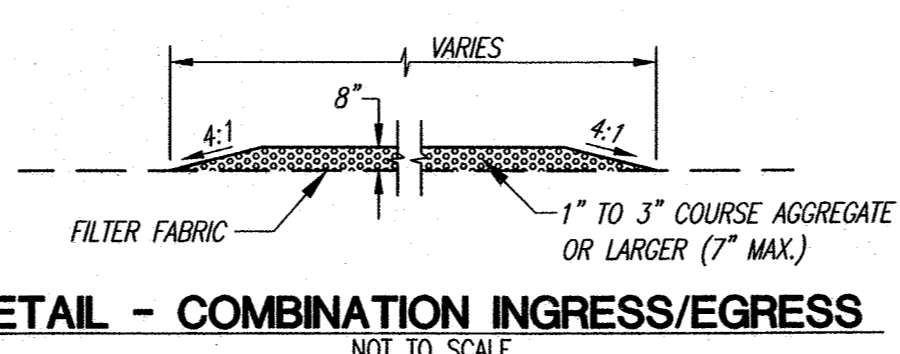
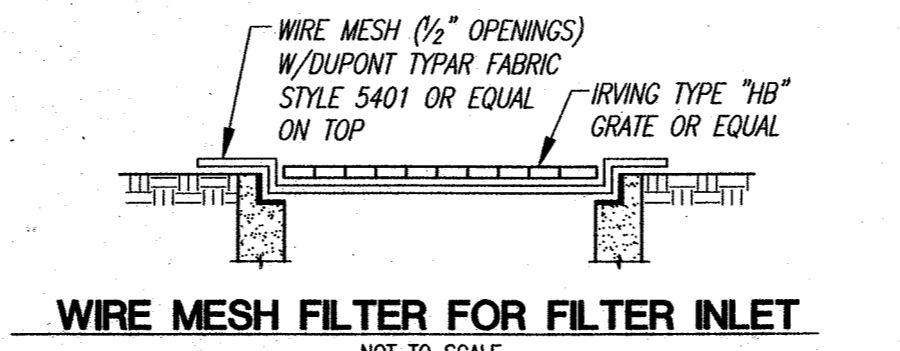
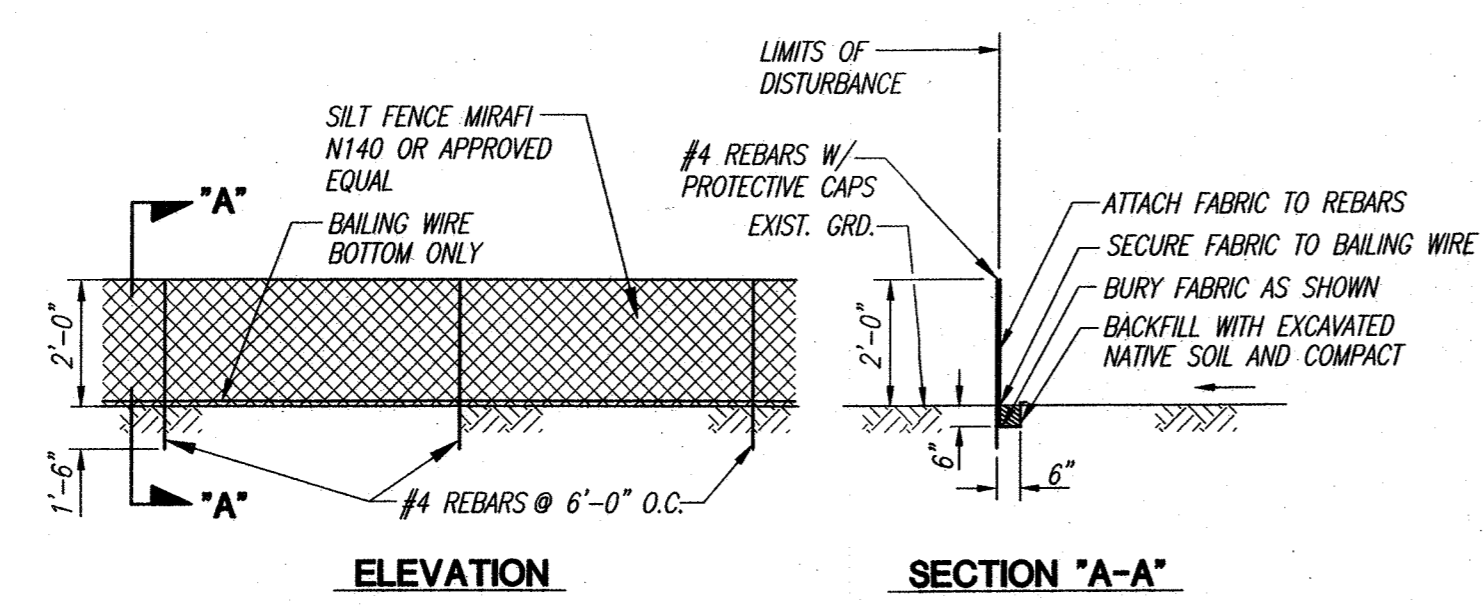
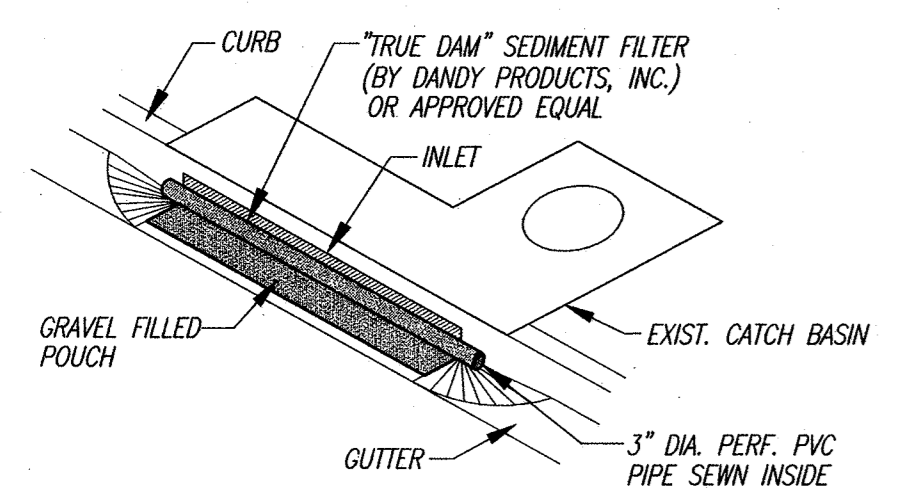
- A. Sewer Pipe: **Polyvinyl Chloride Pipe, C-900, Class 150 (DR 18)**
- B. Sewer Manholes: As specified in Section 23 - Sewer Manholes of the “Standard Specifications.”
- C. Materials for the sewer system shall be in accordance with the sections of the Standard Specifications noted hereinafter.

PART 3 – EXECUTION

3.01 INSTALLATION: Install the sewer system in accordance with the sections of the Standard Specifications noted hereinbefore.

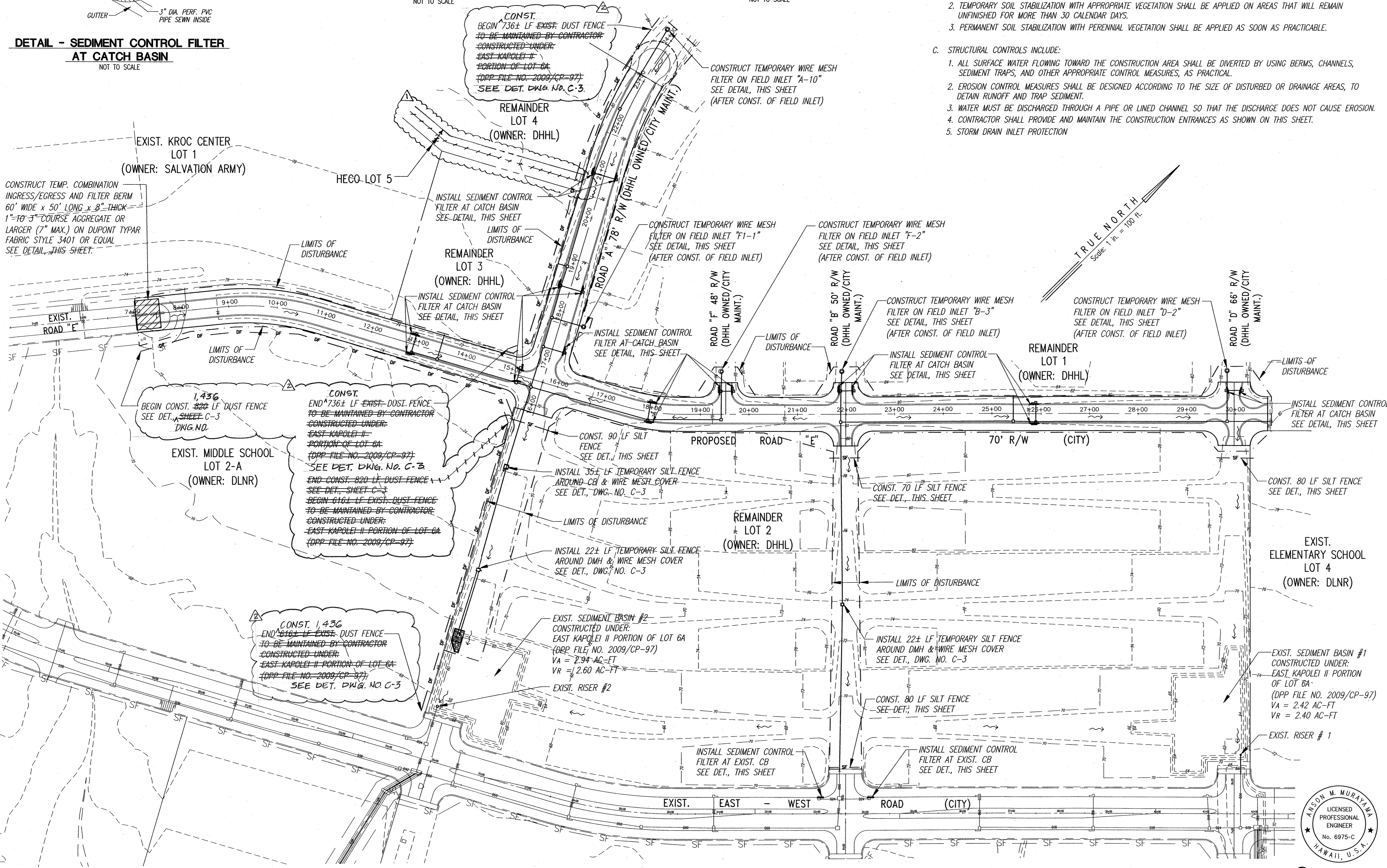
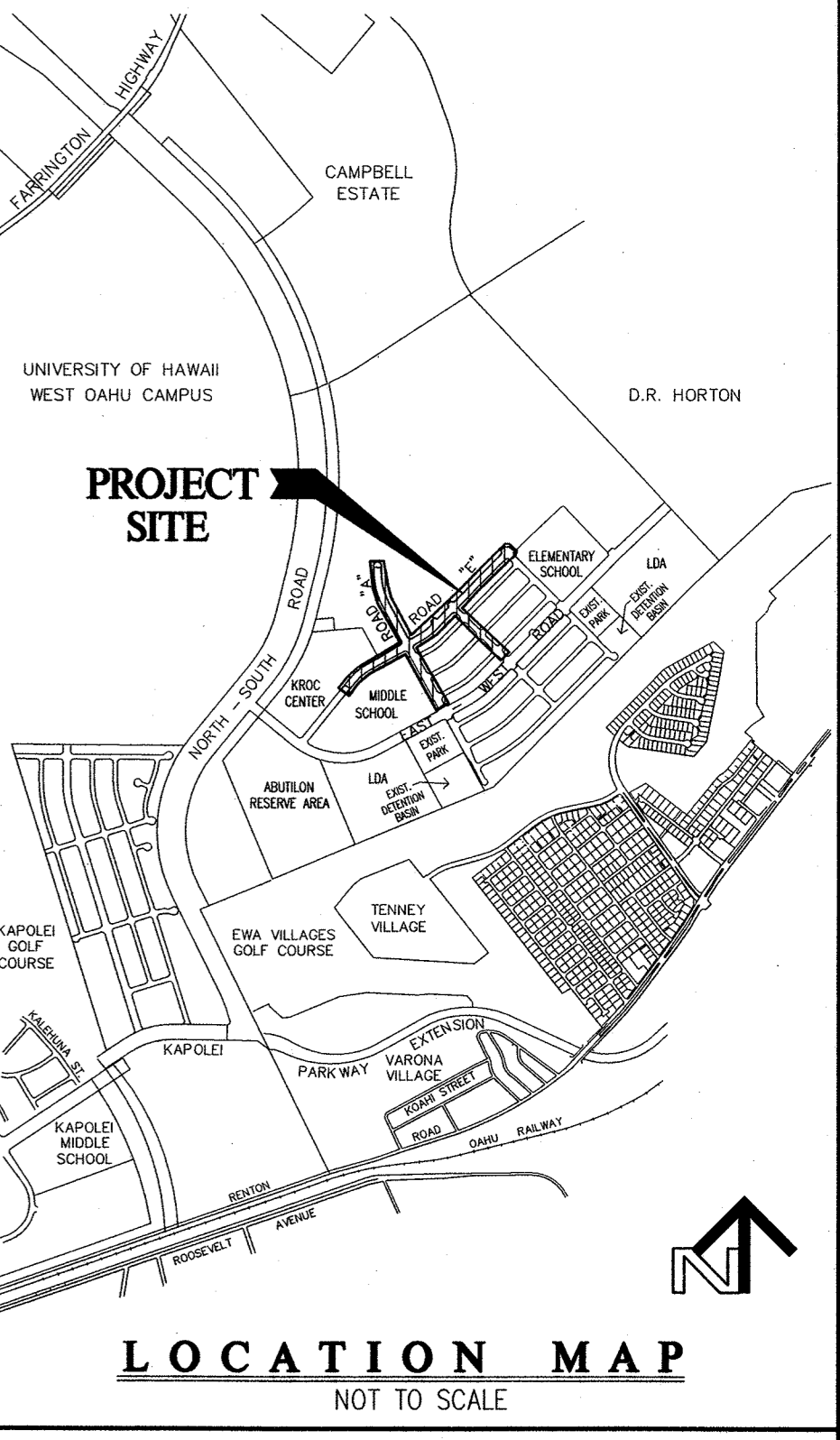
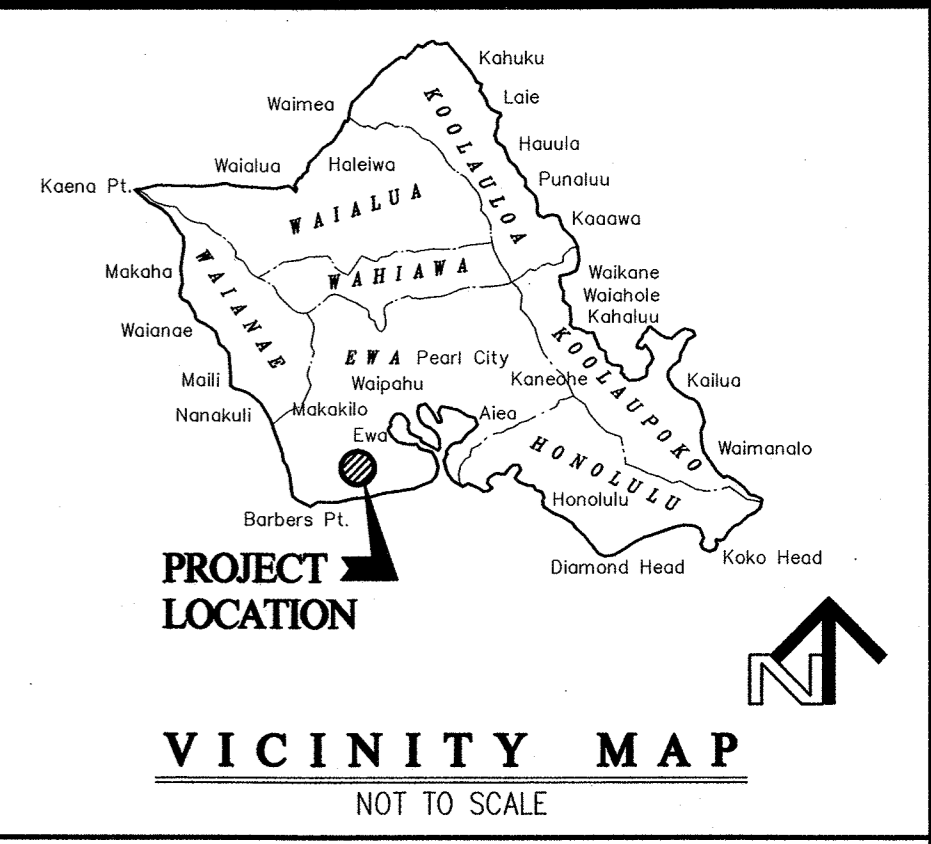
3.02 The Contractor shall be responsible for precisely laying out the sewer line shown on the contract plans. The location shown on the contract plans of the various existing utility lines which the new lines are to cross over or under or connect to were determined on the basis of the best information available; however, no assurance can be provided that the actual locations will be precisely as shown on the contract plans.

**NOTES:**  
 1. SEDIMENT AND DEBRIS AT THE SEDIMENT CONTROL FILTER AT CATCH BASINS SHALL BE CLEANED AND REMOVED WEEKLY IN DRY PERIODS AND WITHIN 24 HR PERIOD DURING RAINFALL. DAILY CHECKING IS NECESSARY. THE PERMITEE SHALL MAINTAIN RECORDS OF CHECKS AND REMOVAL OF SEDIMENT AND DEBRIS.  
 2. DURING AN EVENT OF ABOVE NORMAL RAINFALL, THE CONTRACTOR SHALL REMOVE SEDIMENT FILTER AND REPLACE AFTER EVENT HAS PASSED.



**CONSTRUCTION BMPs**

1. THE FOLLOWING SPECIAL CONDITIONS APPLY TO ALL LAND DISTURBANCE WORK CONDUCTED UNDER THE GENERAL PERMIT:
- A. CONSTRUCTION MANAGEMENT TECHNIQUES INCLUDE:
- CLEARING AND GRUBBING SHALL BE HELD TO THE MINIMUM NECESSARY FOR CONSTRUCTION AND EQUIPMENT OPERATION.
  - EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONAL BEFORE CONSTRUCTION BEGINS AND SHALL BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT SHALL BE REPLACED AT THE END OF THE WORK DAY.
  - ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED, AS NECESSARY, FOR EXAMPLE, WEEKLY IN DRY PERIODS AND WITHIN TWENTY-FOUR HOURS AFTER ANY RAINFALL OF 0.5 INCH OR GREATER WITHIN A 24-HOUR PERIOD. DURING PROLONGED RAINFALL, DAILY CHECKING IS NECESSARY. THE PERMITEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS.
  - A SPECIFIC INDIVIDUAL SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.
- B. VEGETATION CONTROLS INCLUDE:
- PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 20 CALENDAR DAYS PRIOR TO SITE DISTURBANCE.
  - TEMPORARY SOIL STABILIZATION WITH APPROPRIATE VEGETATION SHALL BE APPLIED ON AREAS THAT WILL REMAIN UNFINISHED FOR MORE THAN 30 CALENDAR DAYS.
  - PERMANENT SOIL STABILIZATION WITH PERENNIAL VEGETATION SHALL BE APPLIED AS SOON AS PRACTICABLE.
- C. STRUCTURAL CONTROLS INCLUDE:
- ALL SURFACE WATER FLOWING TOWARD THE CONSTRUCTION AREA SHALL BE DIVERTED BY USING BERMS, CHANNELS, SEDIMENT TRAPS, AND OTHER APPROPRIATE CONTROL MEASURES, AS PRACTICAL.
  - EROSION CONTROL MEASURES SHALL BE DESIGNED ACCORDING TO THE SIZE OF DISTURBED OR DRAINAGE AREAS, TO DETAIN RUNOFF AND TRAP SEDIMENT.
  - WATER MUST BE DISCHARGED THROUGH A PIPE OR LINED CHANNEL SO THAT THE DISCHARGE DOES NOT CAUSE EROSION.
  - CONTRACTOR SHALL PROVIDE AND MAINTAIN THE CONSTRUCTION ENTRANCES AS SHOWN ON THIS SHEET.
  - STORM DRAIN INLET PROTECTION



**LEGEND**

- 70 --- EXISTING GRADE
- ~ SURFACE WATER FLOW
- - - - - LIMITS OF DISTURBANCE
- - - - - DUST FENCE
- - - - - SILT FENCE
- - - - - INLET PROTECTION
- ▨ CONSTRUCTION INGRESS/EGRESS AND FILTER BERM
- - - - - PROJECT BOUNDARY
- - - - - PROPERTY LINE

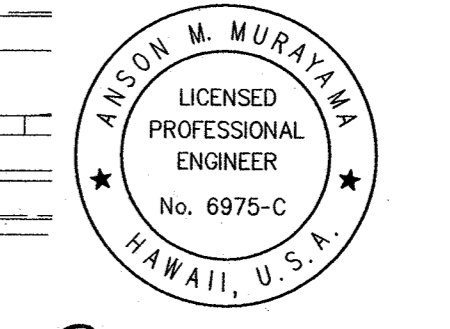
06-13-12	REV. DP CALL-OUTS	CPE	
04-12-12	REV. PROP LINE BETWEEN HECO	CPE	CEB: wtr 6/24/12
	LOT 5 & REMAINDER LOT 4		
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

**Community Planning and Engineering, Inc.**  
 Engineering Design | Construction Management | Infrastructure Planning  
 1100 Alekaea Street, Sixth Floor Honolulu, Hawaii

**EAST KAPOLEI II DEVELOPMENT ROAD "E"**  
 HONOLULU, EWA, OAHU, HAWAII  
 (DPP SUBD. FILE NO. 2010/SUB-115)  
 OWNER: DEPARTMENT OF LAND AND NATURAL RESOURCES  
 DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS  
 TAX MAP KEY: 9-1-17: Portion 110

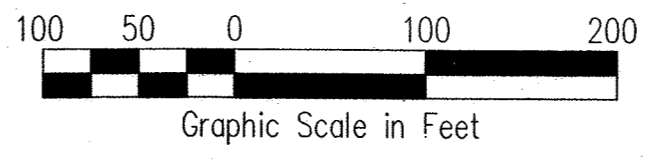
**EROSION CONTROL PLAN**

DRAWN BY: AMP ENGINEER: SS, AMP CHECKED BY: AMM  
 APPROVED:

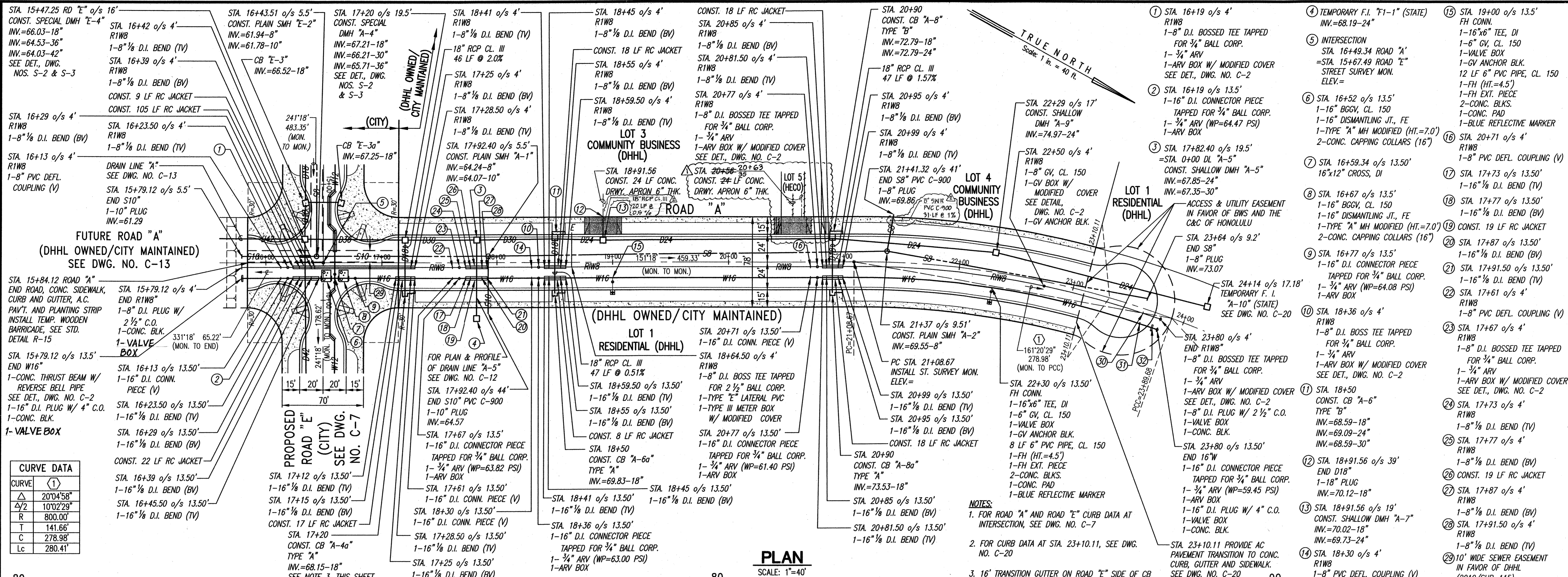


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/12

M. J. 1/24/12  
 DATE

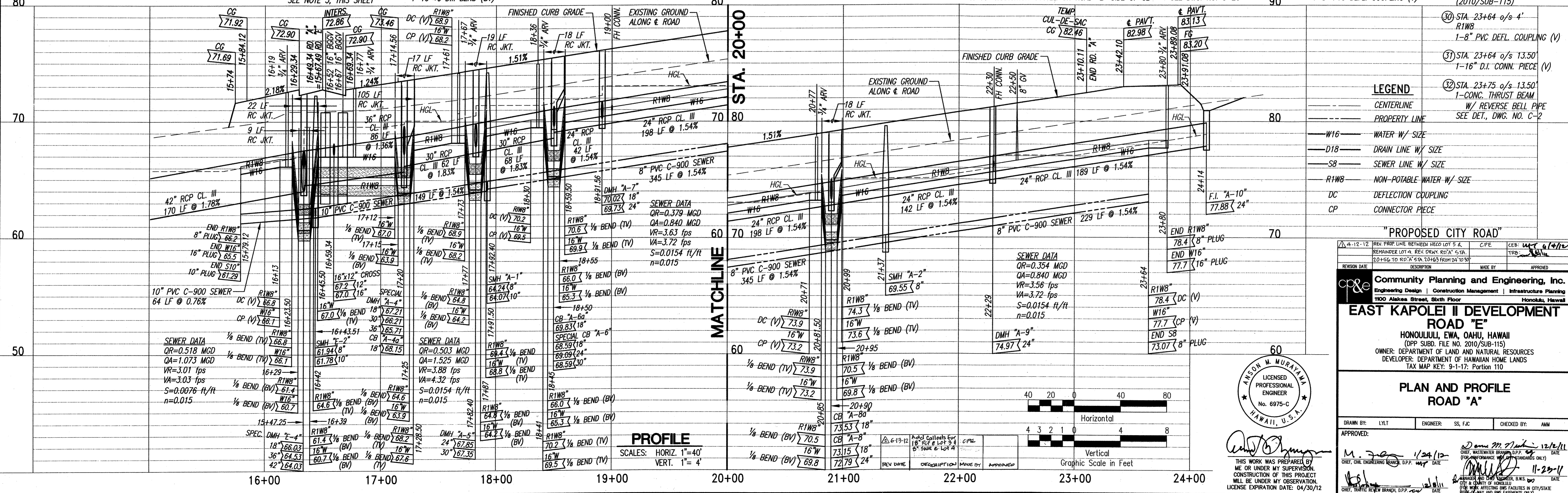


**EROSION CONTROL PLAN**  
 SCALE: 1"=100'



CURVE DATA	
CURVE	(1)
Δ	20°04'58"
Δ/2	10°02'29"
R	800.00'
T	141.66'
C	278.98'
Lc	280.41'

**PLAN**  
SCALE: 1"=40'



**PROFILE**  
SCALES: HORIZ. 1"=40'  
VERT. 1"=4'

**LEGEND**

- CENTERLINE
- PROPERTY LINE
- W16 WATER W/ SIZE
- D18 DRAIN LINE W/ SIZE
- S8 SEWER LINE W/ SIZE
- R1W6 NON-POTABLE WATER W/ SIZE
- DC DEFLECTION COUPLING
- CP CONNECTOR PIECE

**"PROPOSED CITY ROAD"**

REV	DATE	DESCRIPTION	BY	APP'D
4-12-12		REV. PROP. LINE BETWEEN HEED LOT 5 & 6		
10-12-12		REVISION TO ROAD 'A' FROM 10/12/12		

**Community Planning and Engineering, Inc.**  
1100 Alakea Street, Sixth Floor, Honolulu, Hawaii

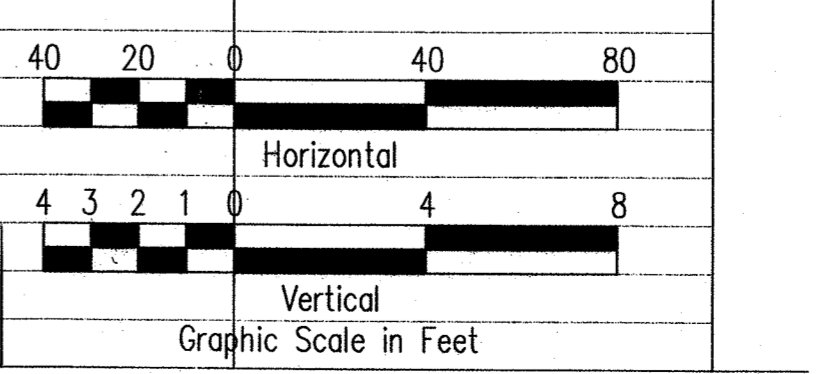
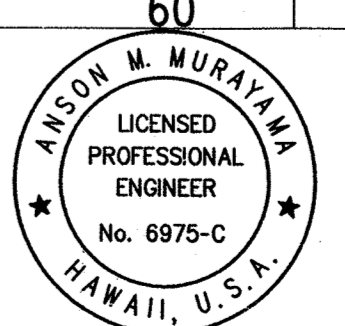
**EAST KAPOLEI II DEVELOPMENT ROAD "E"**  
HONOLULU, OAHU, HAWAII  
OWNER: DEPARTMENT OF LAND AND NATURAL RESOURCES  
DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS  
TAX MAP KEY: 9-1-17; Portion 110

**PLAN AND PROFILE ROAD "A"**

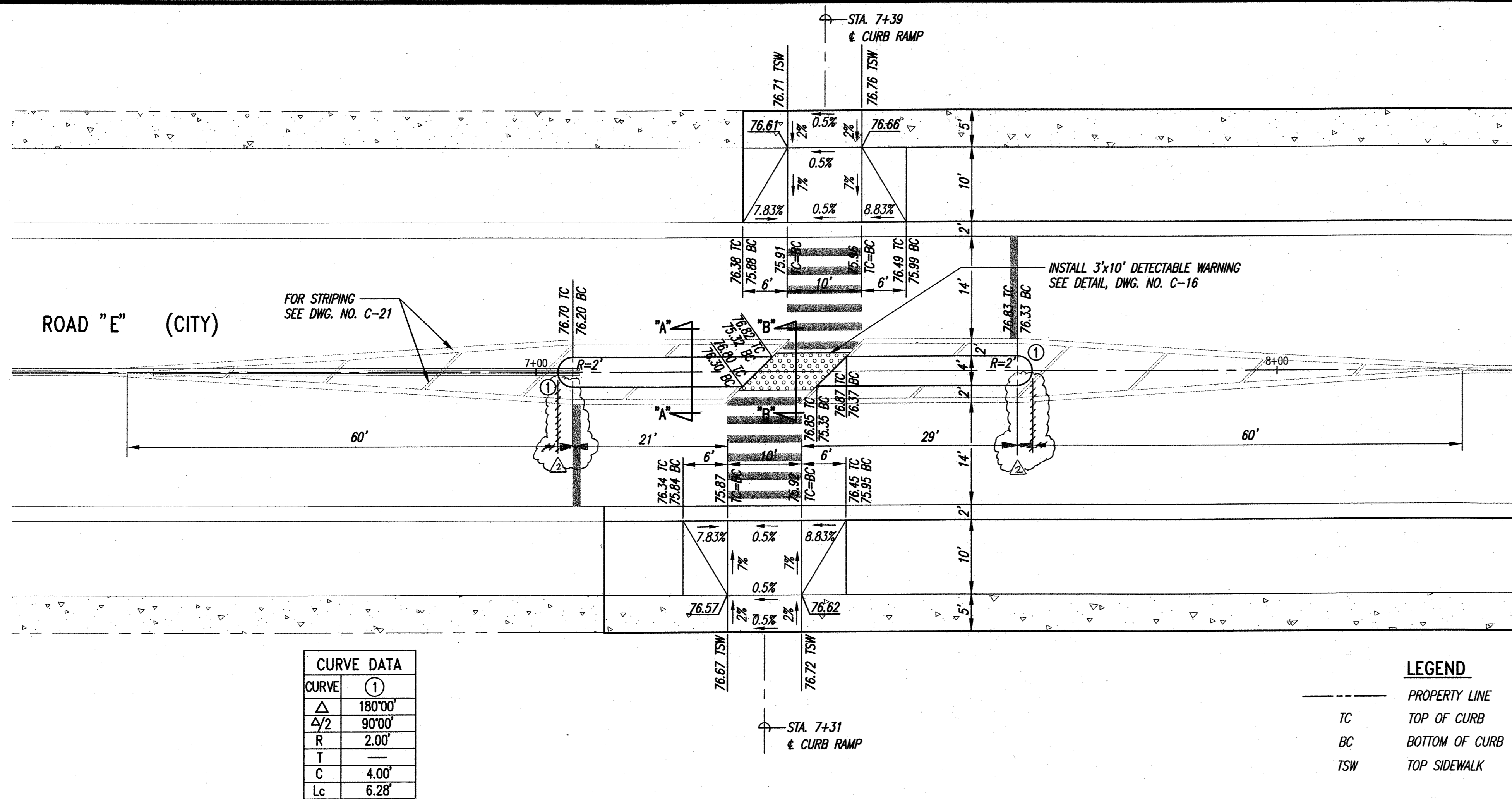
DRAWN BY: LYL  
ENGINEER: SS, GC  
CHECKED BY: AMM

APPROVED: *[Signature]* 1/24/12

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/12

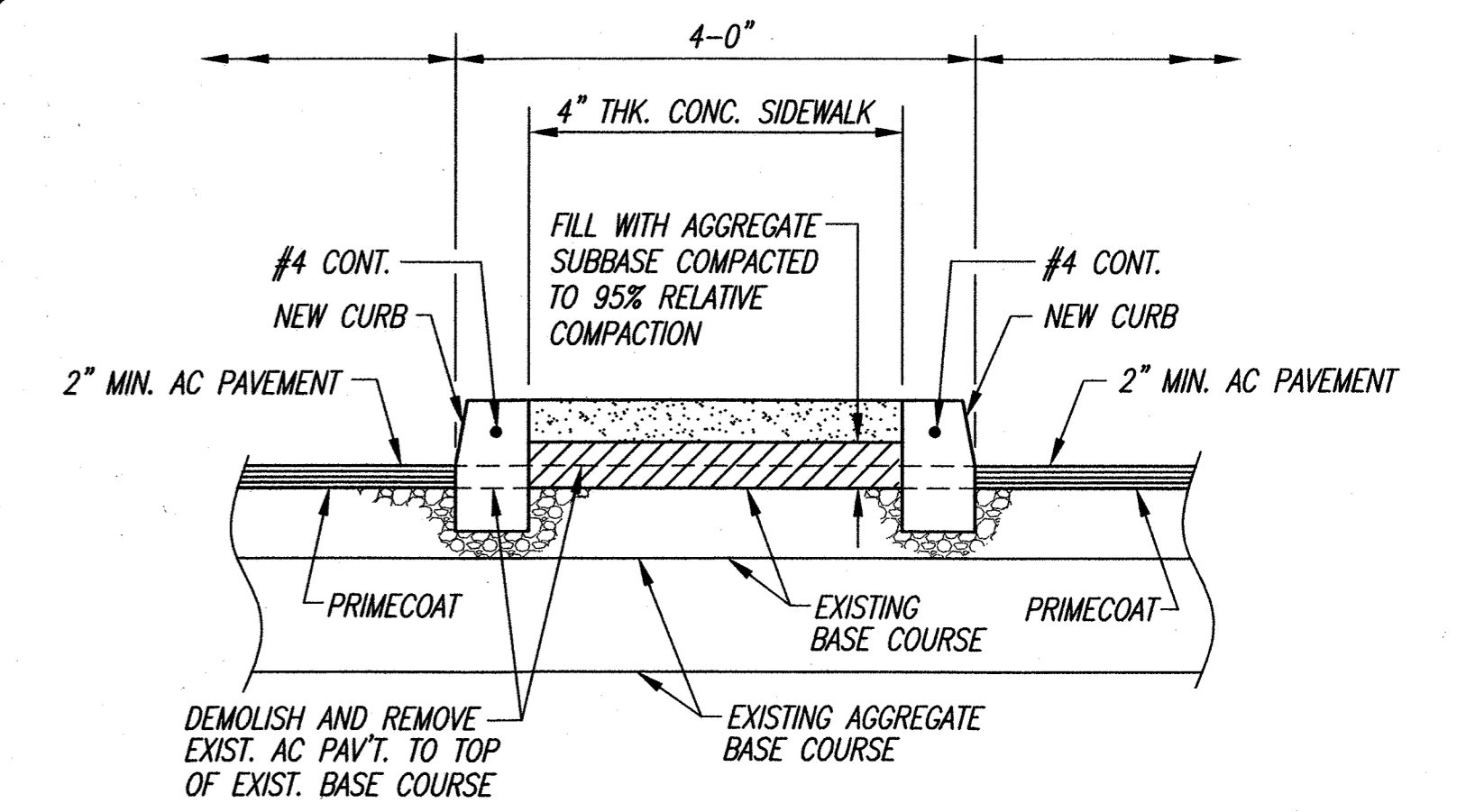


P:\Land Projects\DHHL East Kapolei\Road E\Construction Drawings\Government Review\11 P&P ROAD A\_11142011 9:13:46 AM.dwg

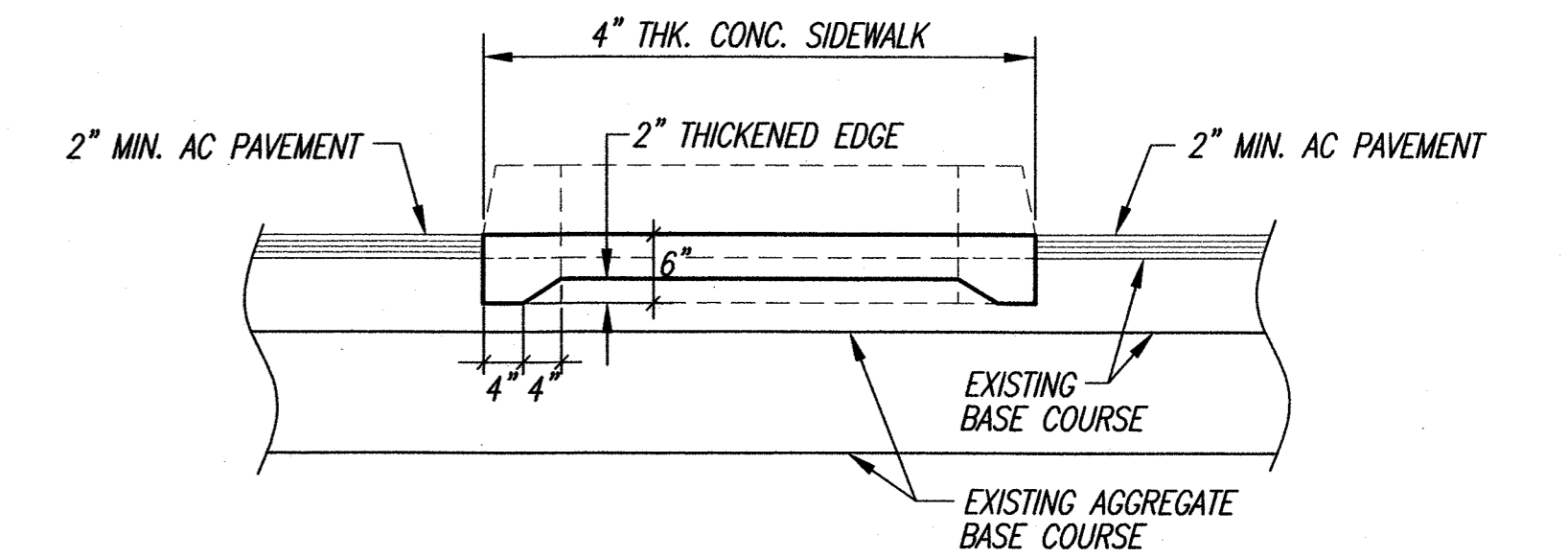


CURVE DATA	
CURVE	①
Δ	180°00'
Δ/2	90°00'
R	2.00'
T	—
C	4.00'
Lc	6.28'

**CONSTRUCTION PLAN**  
SCALE: 1"=10'

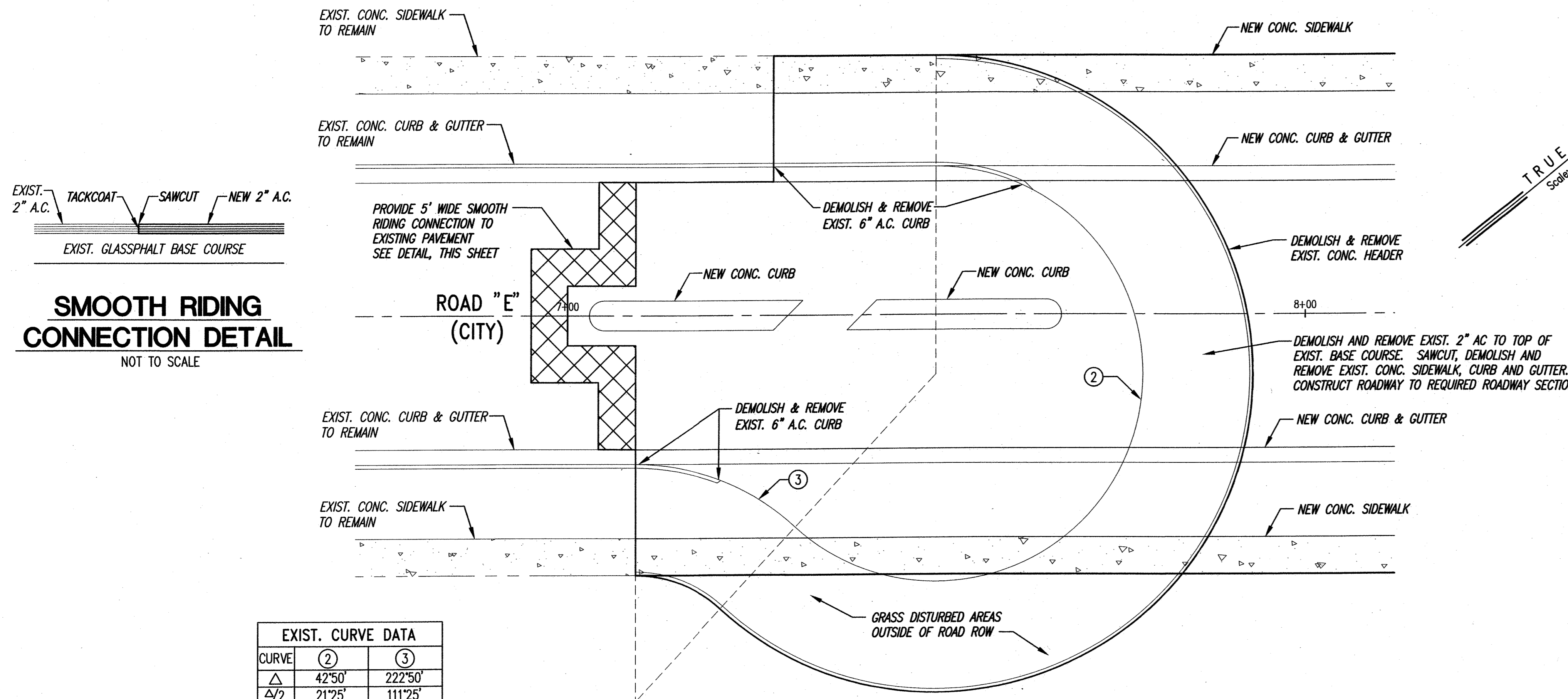


**SECTION "A-A"**  
NOT TO SCALE



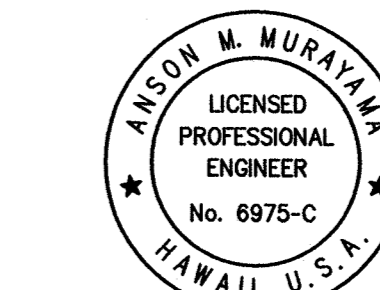
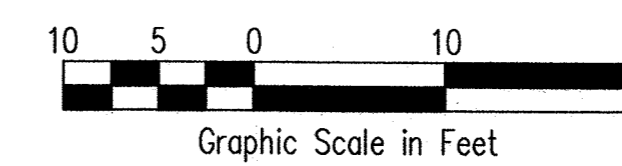
**SECTION "B-B"**  
NOT TO SCALE

- NOTE:**
- CONTRACTOR SHALL COMPLY WITH THE CITY AND COUNTY OF HONOLULU ENGINEERING AND POLICY MEMORANDUM NO. CEB-1-09. JOINTING REQUIREMENTS FOR CONCRETE SIDEWALKS AND DRIVEWAYS DATED APRIL 6, 2009.



EXIST. CURVE DATA		
CURVE	②	③
Δ	42°50'	222°50'
Δ/2	21°25'	111°25'
R	32.00'	28.00'
T	12.55'	—
C	23.37'	—
Lc	23.92'	108.90'

**DEMOLITION PLAN**  
**DIAGONAL SPLITTER**  
SCALE: 1"=10'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/12

REV.	DATE	DESCRIPTION	MADE BY	APPROVED
C-19-12		REV. DIM. LINES ON CONST. PLAN	CPE	

Community Planning and Engineering, Inc.  
 Engineering Design | Construction Management | Infrastructure Planning  
 1100 Alakoa Street, Sixth Floor Honolulu, Hawaii

**EAST KAPOLEI II DEVELOPMENT**  
**ROAD "E"**  
 HONOLULU, EWA, OAHU, HAWAII  
 (DPP SUBD. FILE NO. 2010/SUB-115)  
 OWNER: DEPARTMENT OF LAND AND NATURAL RESOURCES  
 DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS  
 TAX MAP KEY: 9-1-17: Portion 110

**DIAGONAL SPLITTER DETAIL**

DRAWN BY: LYLT ENGINEER: SS, FJC CHECKED BY: AMM  
 APPROVED: M. J. [Signature] 1/24/12  
 CHIEF, CIVIL ENGINEERING (DPP) DATE  
 CHIEF, CIVIL ENGINEERING (DPP) DATE





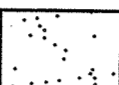
STREET TREE PLANTING NOTES:

- UPON INSTALLATION OF THE STREET TREES, THE INSTALLER/CONTRACTOR SHALL CONTACT THE DEPARTMENT OF PARKS AND RECREATION (DPR), AT 971-7151 TO SCHEDULE AN INSPECTION OF THE TREE(S) INSTALLATION. NOTIFICATION MUST BE GIVEN AT LEAST SEVEN (7) DAYS PRIOR TO PRE-MAINTENANCE AND FINAL INSPECTIONS. A NOTICE OF ACCEPTANCE WILL BE ISSUED BY THE DEPARTMENT OF PARKS AND RECREATION WHEN THEY HAVE DETERMINED THE TREES HAVE BEEN PROPERLY INSTALLED AND MAINTAINED.
- THE STREET TREE MAINTENANCE PERIOD SHALL BE FOR NINETY (90) CALENDAR DAYS OR UNTIL PROJECT MAINTENANCE HAS BEEN ASSUMED BY ADJACENT PROPERTY OWNER AND/OR THE COMMUNITY ASSOCIATION.
- THE STANDARD CITY AND COUNTY OF HONOLULU, DEPARTMENT OF PARKS AND RECREATION SPECIFICATIONS FOR STREET TREE PLANTING AND LANDSCAPING SHALL BE MADE PART OF THE CONSTRUCTION DOCUMENTS.
- STREET TREE PLANS THAT HAVE BEEN REVISED OR PROJECTS THAT HAVEN'T STARTED CONSTRUCTION WITHIN TWO (2) YEARS OF THE DATE OF THE DEPARTMENT OF PLANNING AND PERMITTING (DPP) APPROVAL WILL BE SUBJECT TO RE-APPROVAL. WHEN SUBSTITUTION OF TREE TYPES ARE REQUESTED BY THE DEVELOPER OR CONTRACTOR DUE TO UNAVAILABILITY, THE PLANS SHALL BE REVISED (AFTER NOTIFICATION OF TREE SELECTION) AND (THE PLANS) SUBMITTED FOR RE-APPROVAL.
- PRIOR TO ACCEPTANCE OF THE TREE INSTALLATION BY THE DIVISION OF URBAN FORESTRY, DEPARTMENT OF PARKS AND RECREATION, THE STREET INSTALLER IS REQUIRED TO SUBMIT REPRODUCIBLE AS-BUILT PLANS TO THE DEPARTMENT OF PARKS AND RECREATION.
- APPROVAL IS FOR STREET TREE PLANTING WITHIN THE ROAD RIGHT-OF-WAY ONLY. IT IS NOT AN APPROVAL OF THE PLANTING AN IRRIGATION PLAN OUTSIDE OF THE ROAD RIGHT-OF-WAY.
- THE CITY SHALL BE RESPONSIBLE TO TRIM THE TREE(S). JAMES CAMPBELL COMPANY AND/OR THE COMMUNITY ASSOCIATION, HOMEOWNER OR LOT OWNER IS RESPONSIBLE TO MAINTAIN THE TREE(S) AND ANY IRRIGATION SYSTEM AND PAY FOR WATER AND ELECTRICITY AS REQUIRED FOR MAINTENANCE OF THE STREET TREES AND PLANTING STRIPS WITHIN THE ROAD RIGHTS-OF-WAY ABUTTING THEIR PROPERTIES.
- THE STREET LIGHTING SYSTEM SHALL BE KEPT OPERATIONAL DURING CONSTRUCTION. ANY RELOCATION REQUIRED SHALL BE APPROVED BY THE MECHANICAL/ELECTRICAL DESIGN AND ENGINEERING DIVISION, DEPARTMENT OF DESIGN AND CONSTRUCTION, AND PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THE CITY'S EXISTING STREET LIGHTING FACILITIES, TRAFFIC SIGNAL FACILITIES (INCLUDING THE TRAFFIC SIGNAL INTERCONNECT SYSTEM, COMMUNICATIONS FIBER OPTIC CABLE SYSTEM AND TRAFFIC SIGNAL FIBER OPTIC CABLE SYSTEM). ANY AND ALL DAMAGES TO THESE FACILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS COST IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY AND COUNTY OF HONOLULU.
- NEW TREES SHALL BE PRE-APPROVED AT THE NURSERY BY THE LANDSCAPE CONTRACTOR AND CONCURRED BY THE DIVISION OF URBAN FORESTRY (DUF) TWO WEEKS PRIOR TO THEIR DELIVERY TO THE PROJECT SITE. PLEASE CONTACT BRANDON AU, PARK GROUNDS IMPROVEMENT SUPERVISOR II OF DUF, AT 971-7151 TO SCHEDULE AN INSPECTION.

PLANTING NOTES:

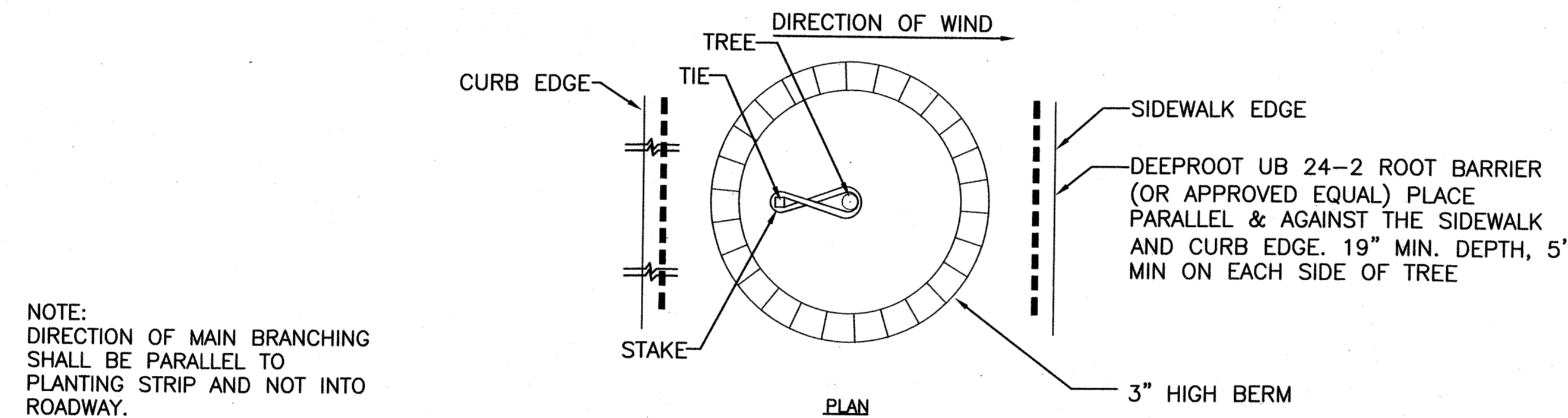
- LANDSCAPE CONTRACTOR SHALL FIELD VERIFY ALL PLANT QUANTITIES AND DIMENSIONS PRIOR TO INSTALLATION. QUANTITIES SHOWN IN PLANT LIST ARE FOR CONVENIENCE ONLY. PLANS SHALL GOVERN.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.
- NOTIFY AND MEET WITH THE CITY PRIOR TO PLANT INSTALLATION FOR VERIFICATION/INTERPRETATION OF PLANS.
- NOTIFY CITY OF ANY DISCREPANCIES IN PLANT LOCATIONS OR INSUFFICIENT PLANT QUANTITIES DUE TO DIFFERENCES IN PLAN AND ACTUAL FIELD CONDITIONS.
- NOTIFY OFFICER-IN-CHARGE 30 DAYS PRIOR TO PLANTING OPERATIONS FOR APPROVAL OF ALL PLANT MATERIAL AT PLACE OF GROWTH. ALL PLANT MATERIAL NOT APPROVED BY THE OFFICER-IN-CHARGE WILL BE SUBJECT TO REJECTION.
- THE LANDSCAPE CONTRACTOR SHALL INSTALL A 4" LAYER OF IMPORTED SOIL MATERIAL WITH AMENDMENTS OVER ALL PLANTING AREAS, LANDSCAPE CONTRACTOR TO COORDINATE LANDSCAPE PLANTING OPERATIONS WITH THE GENERAL CONTRACTOR AND/OR THE FINISH GRADING CONTRACTOR.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING TREES WITHIN THE CONSTRUCTION SITE.

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	REMARKS
	54	CASSIA X NEALIAE	RAINBOW SHOWER	25 GALLON FIELD-STOCK	
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONT	REMARKS
	169	HIBISCUS X 'HULA GIRL'	HULA GIRL HIBISCUS	3 GAL @ 18" OC	
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT	REMARKS
	46,306 SF	CYNODON DACTYLON	BERMUDA GRASS	HYDRO SPRIG	

REFERENCE NOTES SCHEDULE

DESCRIPTION	QTY
4" LAYER TOP SOIL	575.72 CY
2" LAYER SOIL AMENDMENT	46,539 SF
2" LAYER BLACK CINDER OVER FILTER FABRIC	2.02 CY
FILTER FABRIC	327 SF
PLASTIC HEADER	121 LF
ROOT BARRIER	1,296 LF

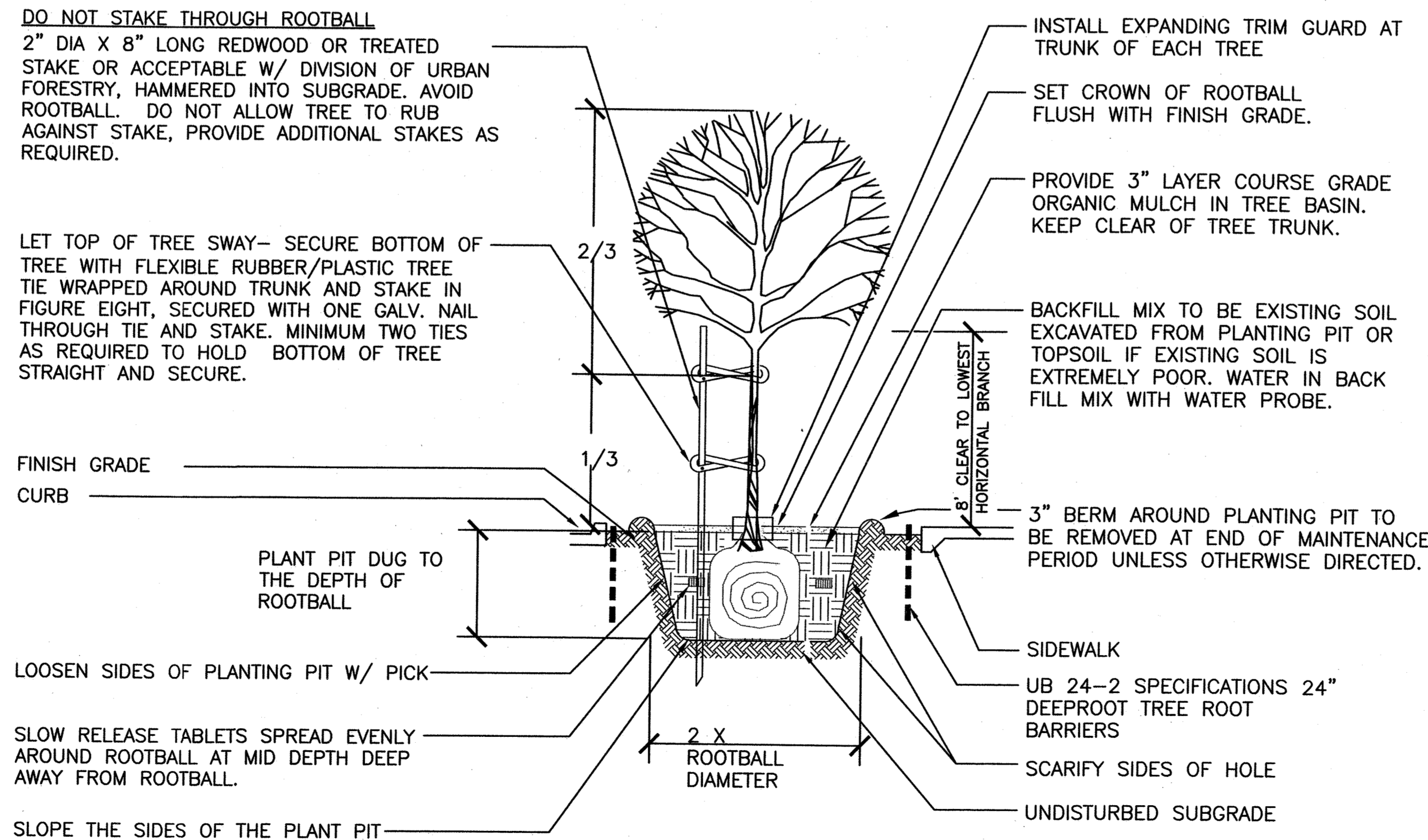


NOTE: DIRECTION OF MAIN BRANCHING SHALL BE PARALLEL TO PLANTING STRIP AND NOT INTO ROADWAY.

DO NOT STAKE THROUGH ROOTBALL

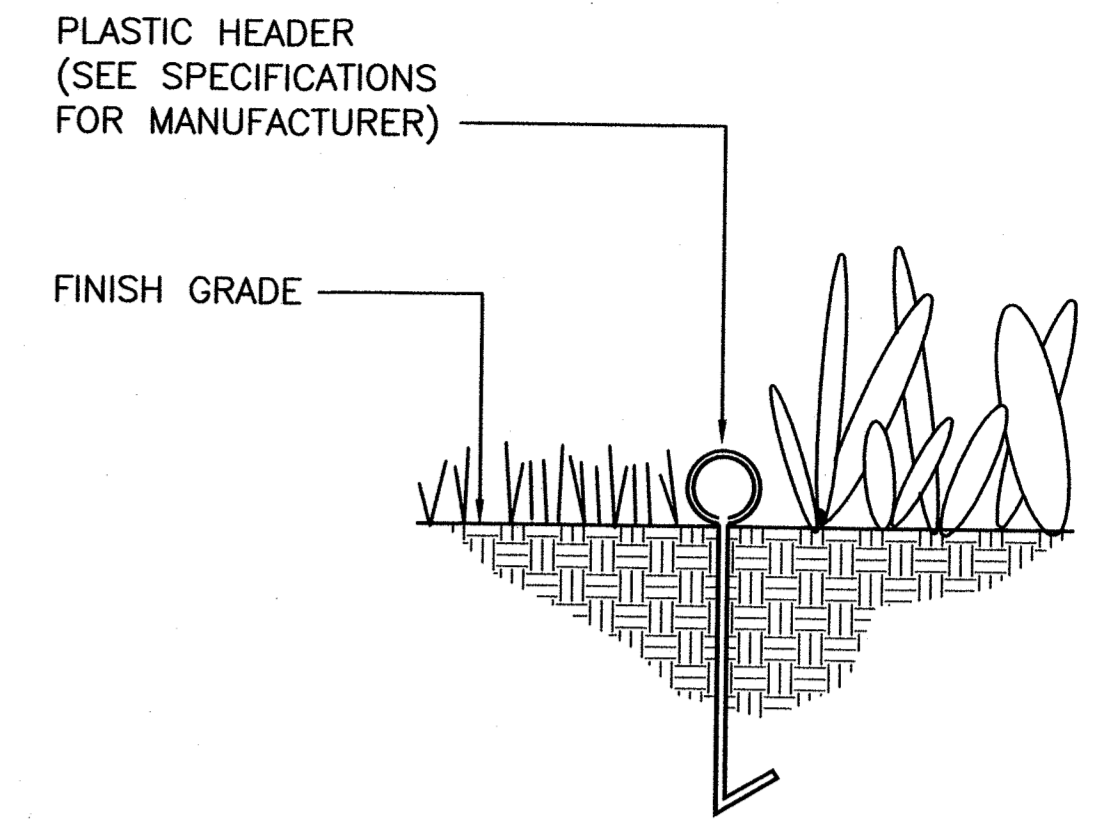
2" DIA X 8" LONG REDWOOD OR TREATED STAKE OR ACCEPTABLE W/ DIVISION OF URBAN FORESTRY, HAMMERED INTO SUBGRADE. AVOID ROOTBALL. DO NOT ALLOW TREE TO RUB AGAINST STAKE, PROVIDE ADDITIONAL STAKES AS REQUIRED.

LET TOP OF TREE SWAY- SECURE BOTTOM OF TREE WITH FLEXIBLE RUBBER/PLASTIC TREE TIE WRAPPED AROUND TRUNK AND STAKE IN FIGURE EIGHT, SECURED WITH ONE GALV. NAIL THROUGH TIE AND STAKE. MINIMUM TWO TIES AS REQUIRED TO HOLD BOTTOM OF TREE STRAIGHT AND SECURE.



1 TYPICAL TREE PLANTING DETAIL

NOT TO SCALE

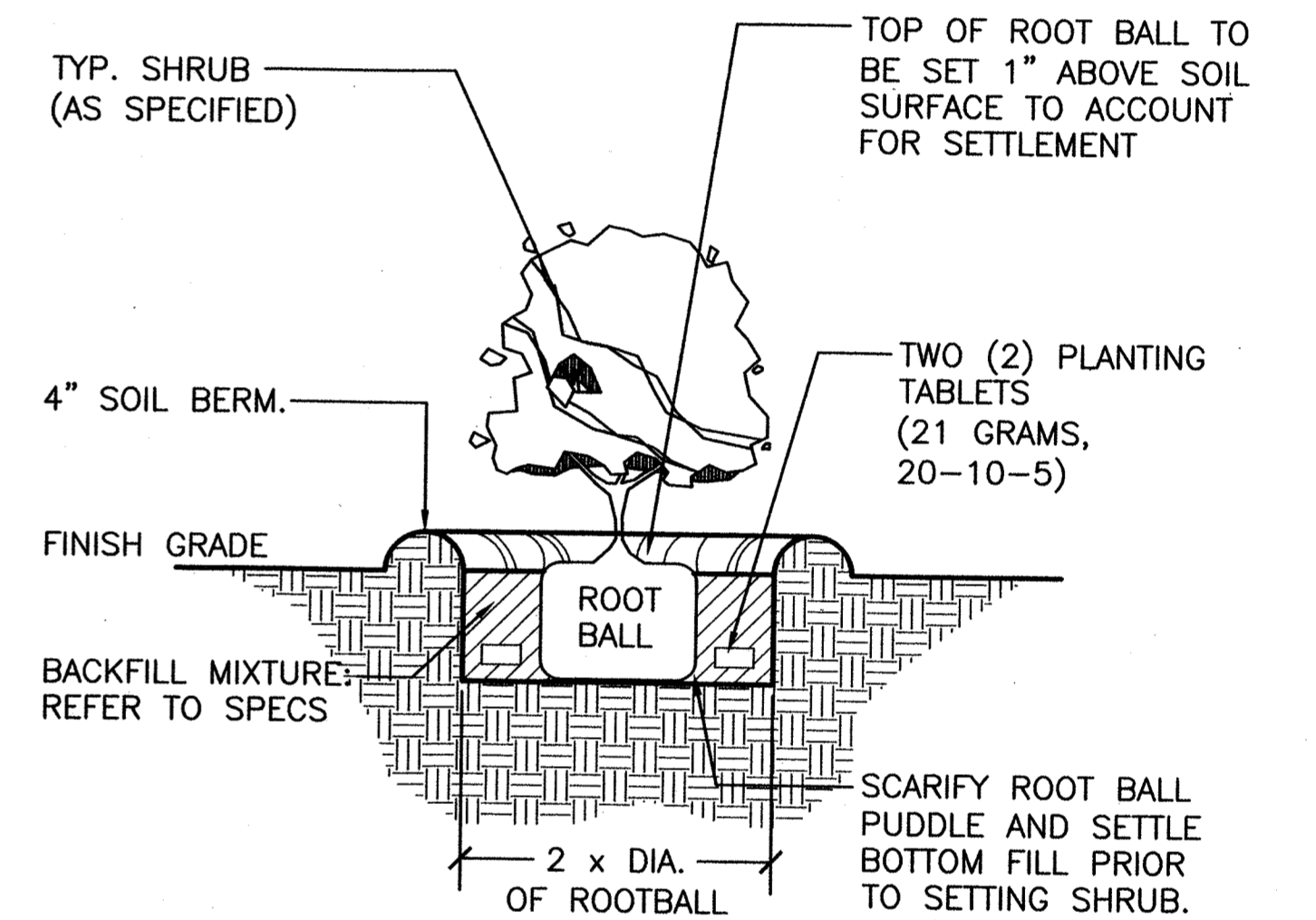


NOTE: REFER TO MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION INSTRUCTIONS.

2 PLASTIC HEADER DETAIL

NOT TO SCALE

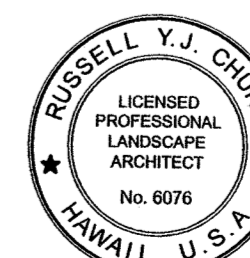
32 9413.16-01



3 SHRUB PLANTING


NOT TO SCALE

329333.13-04



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*Russell Y.J. Chung*  
4/30/13  
CHEF, URBAN DESIGN BRANCH D.P.R.

6-13-12	REV. PLANT SCHED.	PKK	
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
 <b>Community Planning and Engineering, Inc.</b> Engineering Design   Construction Management   Infrastructure Planning 1100 Alakea Street, Sixth Floor Honolulu, Hawaii			
<b>EAST KAPOLEI II DEVELOPMENT</b> <b>ROAD "E"</b> HONOLULU, EWA, OAHU, HAWAII (DPP SUBD. FILE NO. 2010/SUB-115) OWNER: DEPARTMENT OF LAND AND NATURAL RESOURCES DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEY: 9-1-17: Portion 110			
<b>LANDSCAPE DETAILS,</b> <b>LEGEND &amp; NOTES</b>			
DRAWN BY: CK	ENGINEER: RC	CHECKED BY: RH	APPROVED:
DATE: _____			