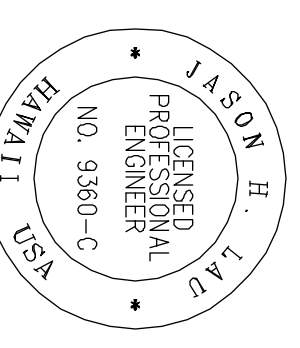
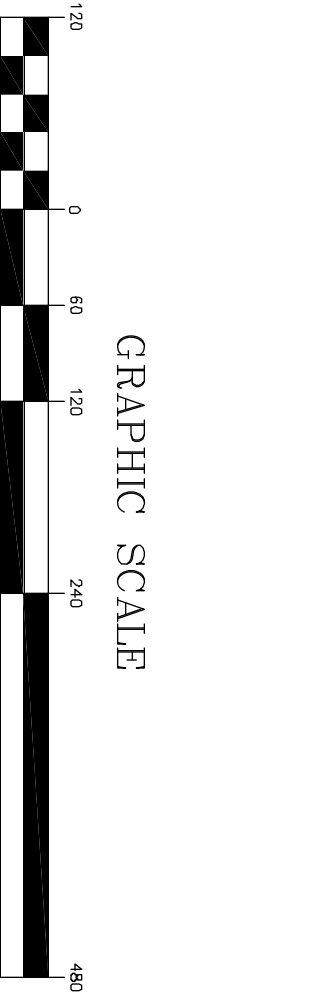


GENERAL PLAN
SCALE: 1"=120'

NOTES:
1. FOR BORING LOG DATA, SEE SHEET C-32

- LEGEND:**
- A.C. PAVEMENT
 - GRAVEL CAP
 - APPROX. BORING LOG LOCATION AND ID NUMBER



4/30/12
DATE
THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.
PROJECT NO. 15702
DRAWING NO. C-01

REV	DATE	DESCRIPTION	BY	APPR

THE LIMTIACCO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
509 KANELOA DRIVE, SUITE 200, HONOLULU, OAHU, HAWAII 96813
PHONE: (808) 596-7700 • FAX: (808) 596-2800

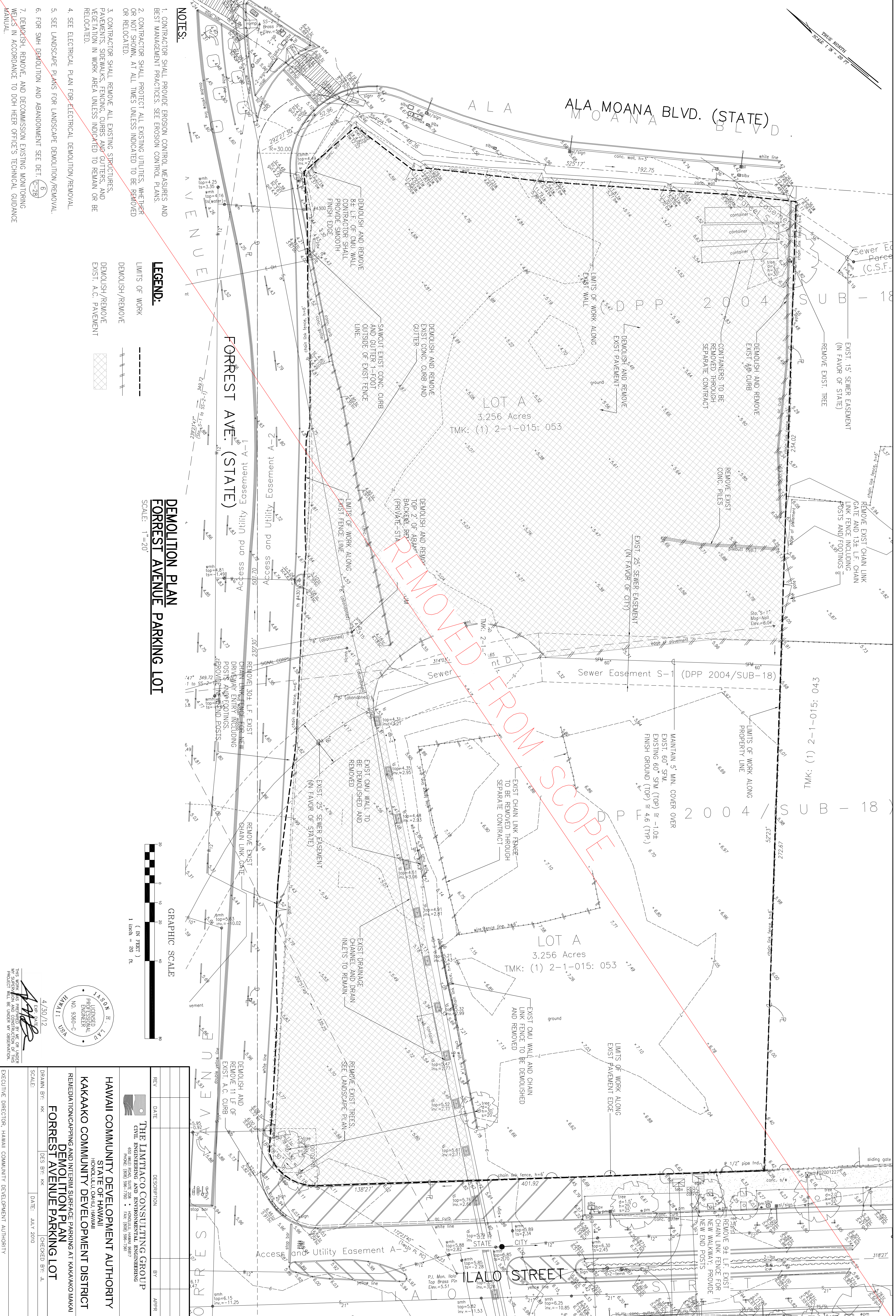
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
STATE OF HAWAII
KAKAAKO COMMUNITY DEVELOPMENT DISTRICT
REMEDICATION/CAPING AND INTERIM SURFACE PARKING AT KAKAAKO MAKAI
GENERAL PLAN

DRAWN BY: KK DES BY: KK CHECKED BY: JL DATE: JULY 2010

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY

SHEET 4 OF 56

FILE	PROJECT	FOLDER	NO.

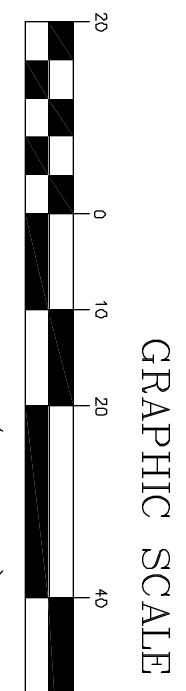


- NOTES:**
1. CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES. SEE EROSION CONTROL PLANS.
 2. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN, AT ALL TIMES UNLESS INDICATED TO BE REMOVED OR RELOCATED.
 3. CONTRACTOR SHALL REMOVE ALL EXISTING STRUCTURES, PAVEMENTS, SIDEWALKS, FENCING, CURBS AND GUTTERS, AND VEGETATION IN WORK AREA UNLESS INDICATED TO REMAIN OR BE RELOCATED.
 4. SEE ELECTRICAL PLAN FOR ELECTRICAL DEMOLITION/REMOVAL.
 5. SEE LANDSCAPE PLANS FOR LANDSCAPE DEMOLITION/REMOVAL.
 6. FOR SMH DEMOLITION AND ABANDONMENT SEE DET. (C-26)
 7. DEMOLISH, REMOVE, AND DECOMMISSION EXISTING MONITORING WELLS IN ACCORDANCE TO DOH HEER OFFICE'S TECHNICAL GUIDANCE MANUAL.

- LEGEND:**
- LIMITS OF WORK
- DEMOLISH/REMOVE
- DEMOLISH/REMOVE EXIST. A.C. PAVEMENT

**DEMOLITION PLAN
FOREST AVENUE PARKING LOT**

SCALE: 1"=20'



4/30/12

THESE WORKS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.

JASON H. LAKE
LICENSED PROFESSIONAL ENGINEER
NO. 9360-C
HAWAII

REV	DATE	DESCRIPTION	BY	APPR

THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
5095 HOLEI (808) 596-7700 • FAX: (808) 596-2807

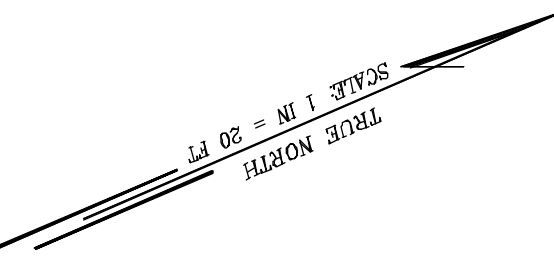
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
STATE OF HAWAII
HONOLULU, HAWAII

KAKAAKO COMMUNITY DEVELOPMENT DISTRICT
REMEDIAL/CAPING AND INTERIM SURFACE PARKING AT KAKAAKO MAKAI

**DEMOLITION PLAN
FOREST AVENUE PARKING LOT**

DRAWN BY: KK DES BY: KK CHECKED BY: JL DATE: JULY 2010

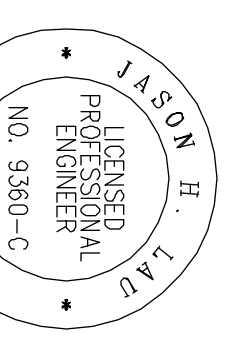
EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY



LEGEND:
 LIMITS OF WORK
 DEMOLISH/REMOVE

MATCH LINE - SEE SHEET C-06

MATCH LINE - SEE SHEET C-05



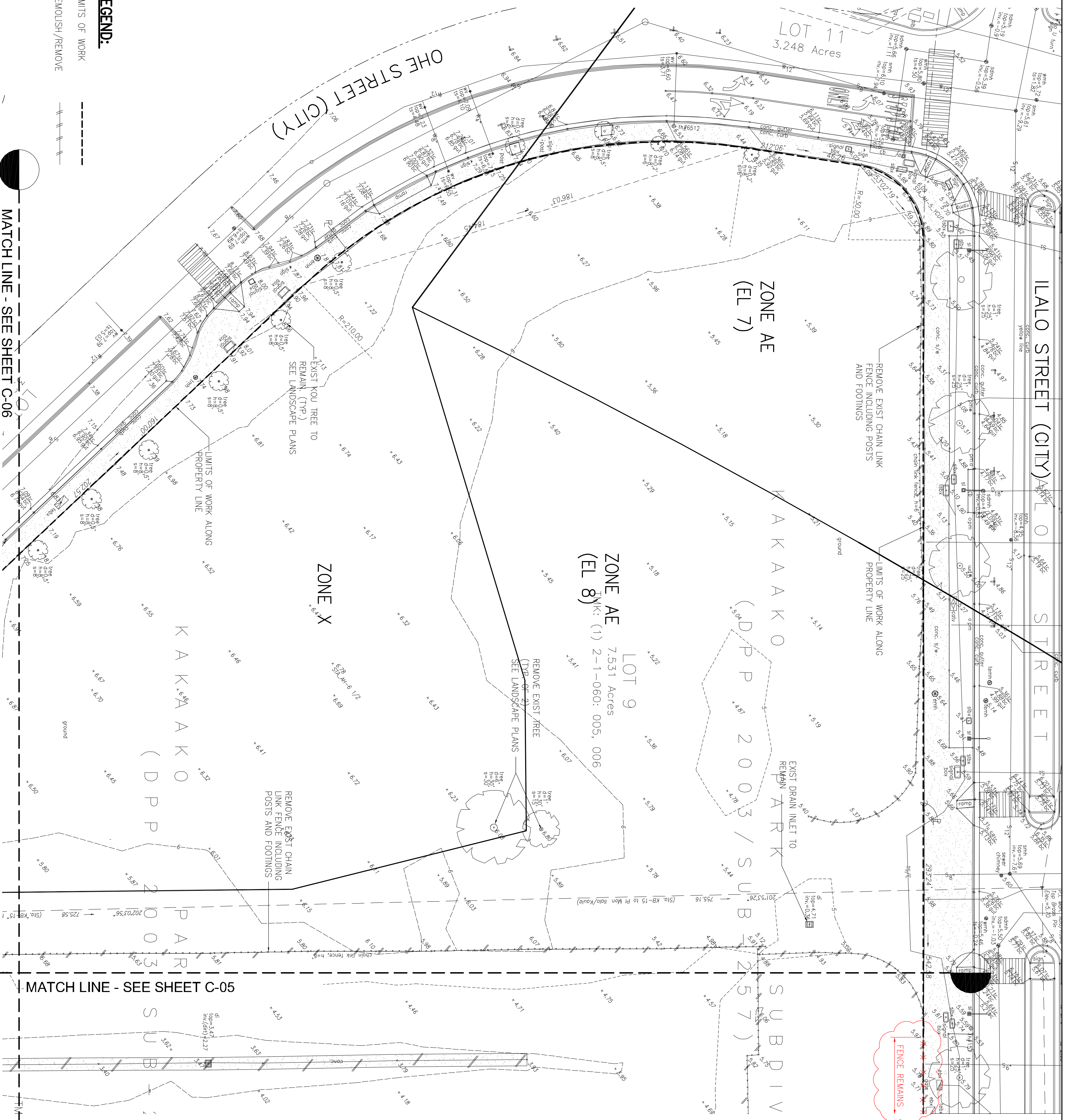
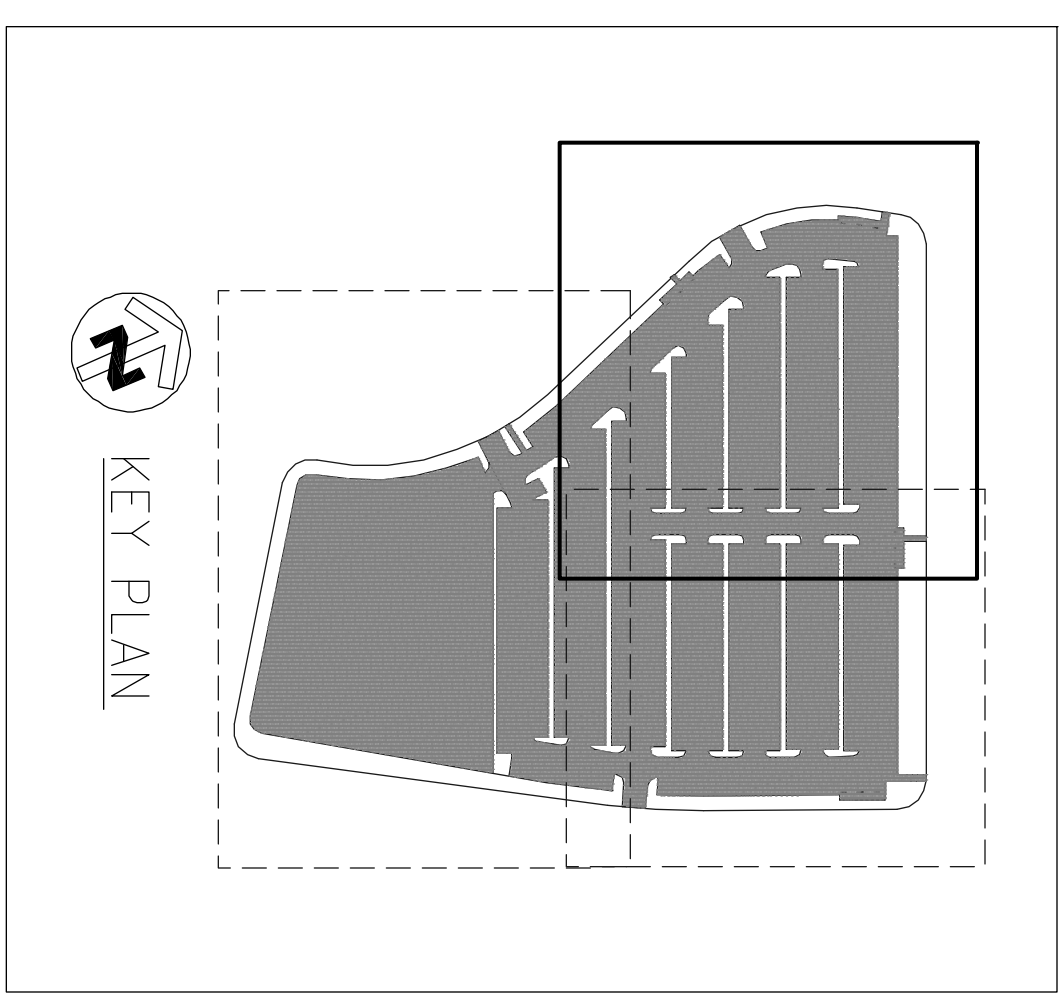
REV	DATE	DESCRIPTION	BY	APPR

THE LIMTIACO CONSULTING GROUP
 CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
 696 KALANANAKU AVENUE, SUITE 700 • HONOLULU, HAWAII 96817
 PHONE: (808) 596-7700 • FAX: (808) 596-2800

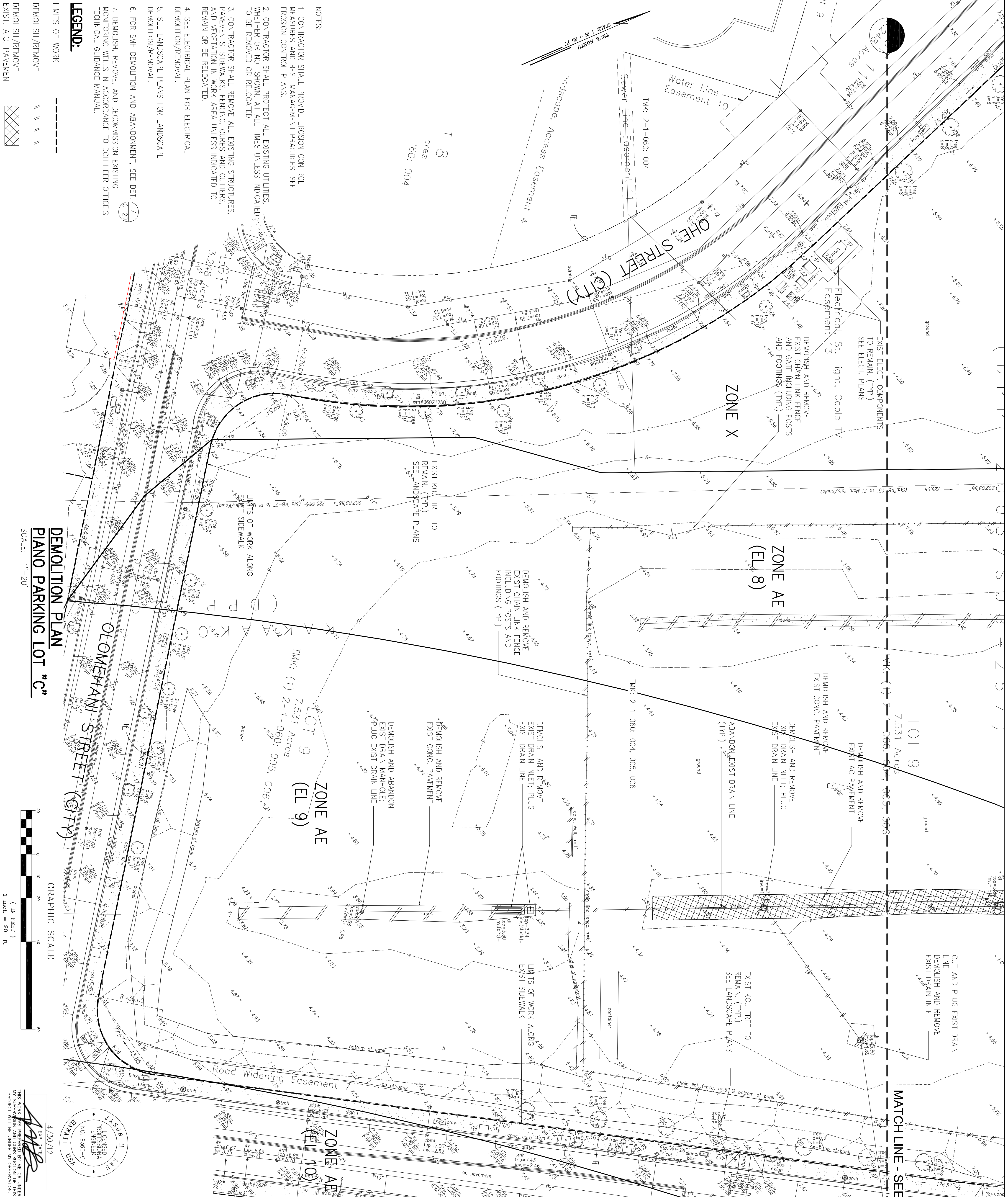
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 HONOLULU, OAHU, HAWAII

KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MOKAI
 DEMOLITION PLAN
 PIANO PARKING LOT "A"

DRAWN BY: KK
 DES BY: KK
 DATE: JULY 2010
 CHECKED BY: JL



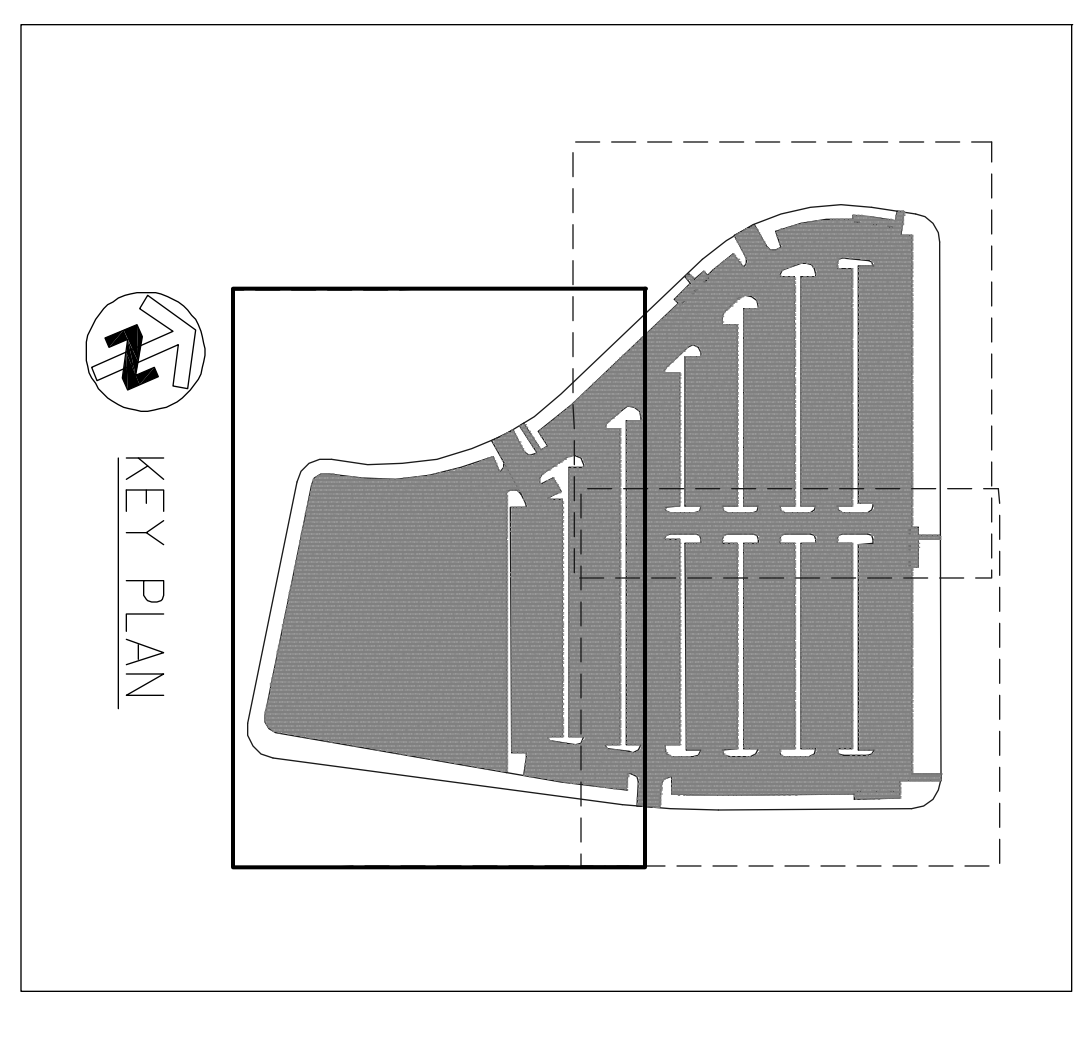
- NOTES:
1. CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES. SEE EROSION CONTROL PLANS.
 2. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN, AT ALL TIMES UNLESS INDICATED TO BE REMOVED OR RELOCATED.
 3. CONTRACTOR SHALL REMOVE ALL EXISTING STRUCTURES, PAVEMENTS, SIDEWALKS, CURBS AND GUTTERS, AND VEGETATION IN WORK AREA UNLESS INDICATED TO REMAIN OR BE RELOCATED.
 4. SEE ELECTRICAL PLAN FOR ELECTRICAL DEMOLITION/REMOVAL.
 5. SEE LANDSCAPE PLANS FOR LANDSCAPE DEMOLITION/REMOVAL.
 6. DEMOLISH, REMOVE, AND DECOMMISSION EXISTING MONITORING WELLS IN ACCORDANCE TO DOH HEER OFFICE'S TECHNICAL GUIDANCE MANUAL.

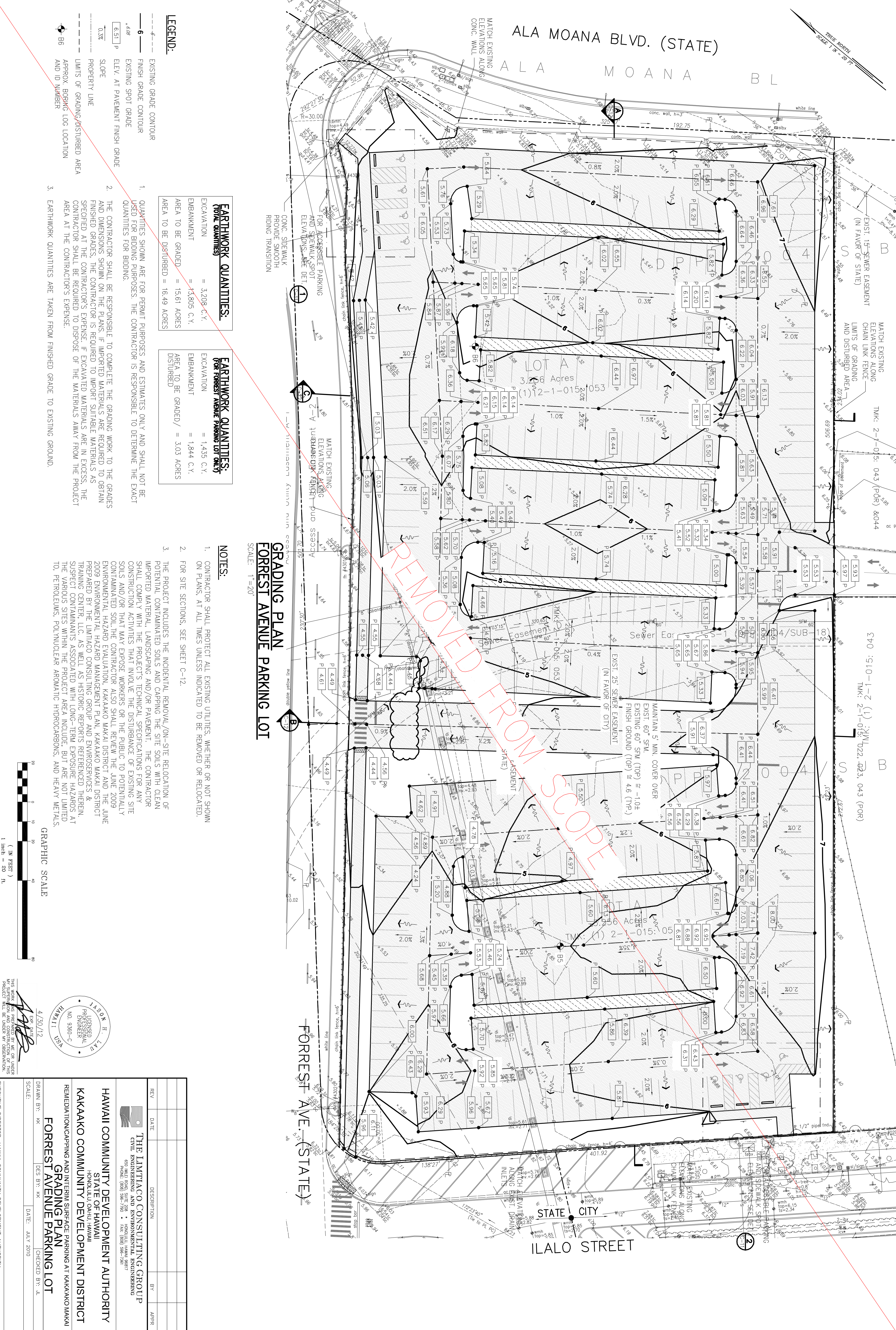


REV	DATE	DESCRIPTION	BY	APPR

<p>THE LIMTACCO CONSULTING GROUP CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING 5095 HOLEI AVE., SUITE 200 HONOLULU, OAHU, HAWAII 96817 PHONE: (808) 596-7700 • FAX: (808) 596-2807</p>	<p>HAWAII COMMUNITY DEVELOPMENT AUTHORITY STATE OF HAWAII HONOLULU, OAHU, HAWAII</p>
<p>KAKAAKO COMMUNITY DEVELOPMENT DISTRICT REMEDIATION/CAMPING AND INTERIM SURFACE PARKING AT KAKAAKO MAKAI</p>	<p>DEMOLITION PLAN PLANO PARKING LOT "C"</p>

<p>DESIGNER: KK CHECKED BY: J</p>	<p>DATE: JULY 2010</p>
--	------------------------





EARTHWORK QUANTITIES:
(TOTAL QUANTITIES)

EXCAVATION	= 3,208 C.Y.
EMBANKMENT	= 13,805 C.Y.
AREA TO BE GRADED	= 15.61 ACRES
AREA TO BE DISTURBED	= 16.49 ACRES

EARTHWORK QUANTITIES:
(FOR FOREST AVENUE PARKING LOT ONLY)

EXCAVATION	= 1,435 C.Y.
EMBANKMENT	= 1,844 C.Y.
AREA TO BE GRADED	= 3.03 ACRES
AREA TO BE DISTURBED	= 3.03 ACRES

- NOTES:**
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON PLANS, AT ALL TIMES UNLESS INDICATED TO BE REMOVED OR RELOCATED.
 - FOR SITE SECTIONS, SEE SHEET C-12.
 - THE PROJECT INCLUDES THE INCIDENTAL REMOVAL/ON-SITE RELOCATION OF POTENTIAL CONTAMINATED SOILS AND CAPPING THE SITE SOILS WITH CLEAN IMPORTED MATERIAL, LANDSCAPING AND/OR PAVEMENT. THE CONTRACTOR SHALL COMPLY WITH THE PROJECT'S TECHNICAL SPECIFICATIONS FOR ANY CONSTRUCTION ACTIVITIES THAT INVOLVE THE DISTURBANCE OF EXISTING SITE SOILS AND/OR THAT MAY EXPOSE WORKERS OR THE PUBLIC TO POTENTIALLY CONTAMINATED SOIL. THE CONTRACTOR ALSO SHALL REVIEW THE JUNE 2009 ENVIRONMENTAL HAZARD EVALUATION, KAKAKO MAKAI DISTRICT AND THE JUNE 2009 ENVIRONMENTAL HAZARD MANAGEMENT PLAN, KAKAKO MAKAI DISTRICT PREPARED BY THE LIMTIACO CONSULTING GROUP AND ENVIRONMENTAL SERVICES & TRAINING CENTER, LLC, AS WELL AS HISTORIC REPORTS REFERENCED THEREIN. SUSPECT CONTAMINANTS ASSOCIATED WITH LONG-TERM EXPOSURE HAZARDS AT THE VARIOUS SITES WITHIN THE PROJECT AREA INCLUDE, BUT ARE NOT LIMITED TO, PETROLEUMS, POLYNUCLEAR AROMATIC HYDROCARBONS, AND HEAVY METALS.

GRADING PLAN
FOREST AVENUE PARKING LOT
SCALE: 1" = 20'

GRAPHIC SCALE
1 inch = 20 ft.

4/30/12
HAWAII
REGISTERED PROFESSIONAL ENGINEER
NO. 9360-C
LIMTIACO CONSULTING GROUP

RECORD DRAWINGS

- LEGEND:**
- EXISTING GRADE CONTOUR
 - FINISH GRADE CONTOUR
 - EXISTING SPOT GRADE
 - ELEV. AT PAVEMENT FINISH GRADE
 - SLOPE
 - PROPERTY LINE
 - LIMITS OF GRADING/DISTURBED AREA
 - APPROX. BORING LOG LOCATION AND ID NUMBER

- QUANTITIES SHOWN ARE FOR PERMIT PURPOSES AND ESTIMATES ONLY AND SHALL NOT BE USED FOR BIDDING PURPOSES. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE EXACT QUANTITIES FOR BIDDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLETE THE GRADING WORK TO THE GRADES AND DIMENSIONS SHOWN ON THE PLANS. IF IMPORTED MATERIALS ARE REQUIRED TO OBTAIN FINISHED GRADES, THE CONTRACTOR IS REQUIRED TO IMPORT SUITABLE MATERIALS AS SPECIFIED AT THE CONTRACTOR'S EXPENSE. IF EXCAVATED MATERIALS ARE IN EXCESS, THE CONTRACTOR SHALL BE REQUIRED TO DISPOSE OF THE MATERIALS AWAY FROM THE PROJECT AREA AT THE CONTRACTOR'S EXPENSE.
- EARTHWORK QUANTITIES ARE TAKEN FROM FINISHED GRADE TO EXISTING GROUND.

ALA MOANA BLVD. (STATE)

FOREST AVE. (STATE)

ILALO STREET

STATE CITY

LOT A
3.06 Acres
(1) 2-1-015: 053

EXIST. 15" SEWER EASEMENT
(IN FAVOR OF STATE)

EXIST. 25" SEWER EASEMENT
(IN FAVOR OF CITY)

MATCH EXISTING ELEVATIONS ALONG CHAIN LINK FENCE AND DISTURBED AREA

MATCH EXISTING ELEVATIONS ALONG CONG. SIDEWALK PROVIDE SMOOTH RIDING TRANSITION

MAINTAIN 5' MIN. COVER OVER EXIST. 60" STM. EXISTING 60" STM (TOP) @ -1.04 FINISH GROUND (TOP) @ 4.6 (TYP)

REV	DATE	DESCRIPTION	BY	APPR

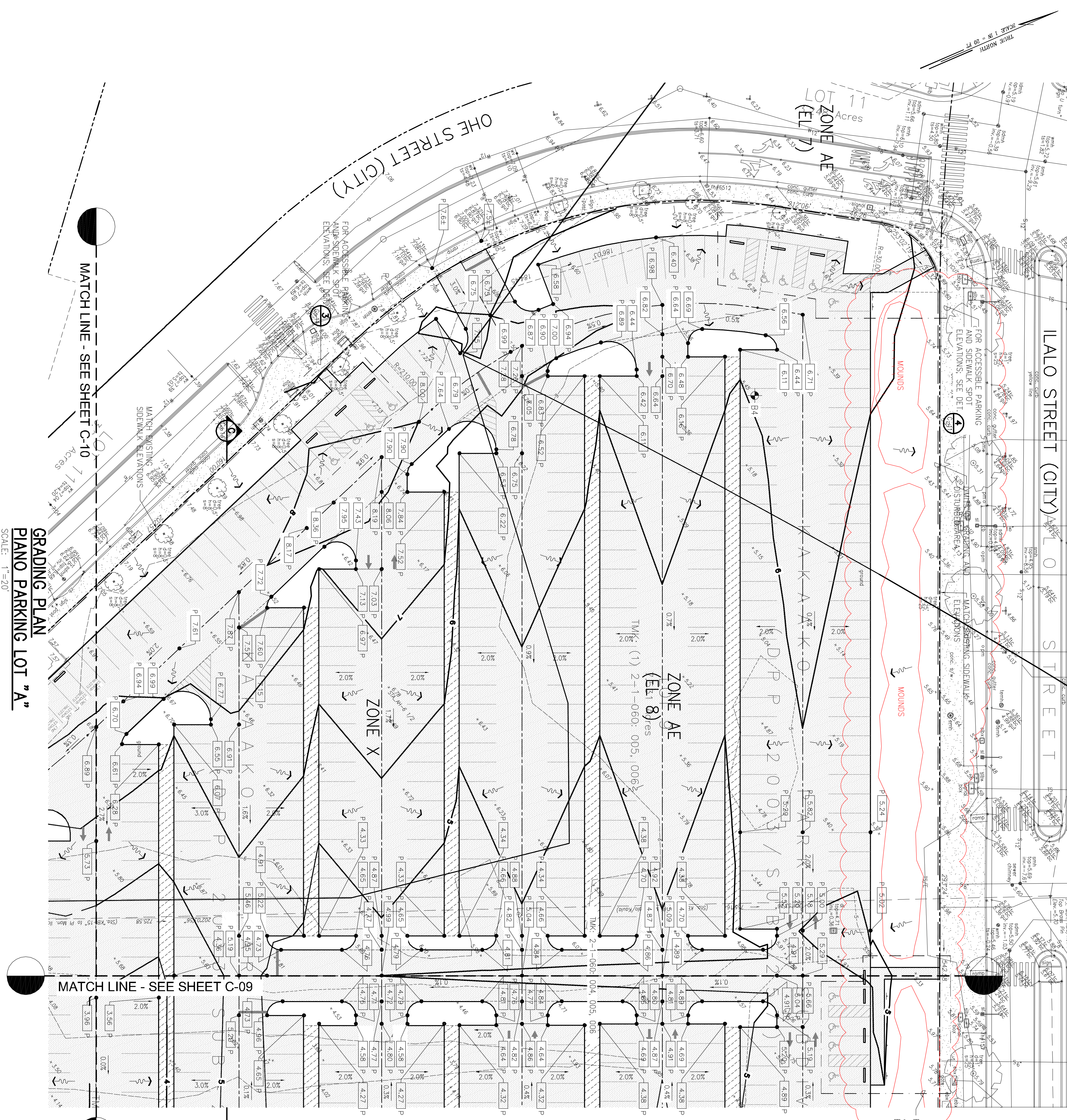
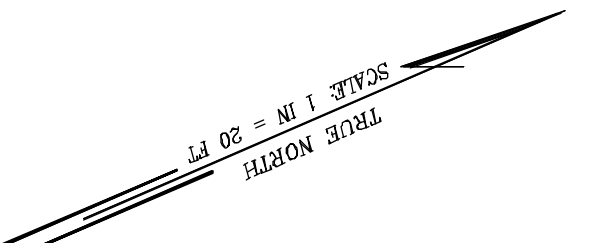
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
KAKAKO COMMUNITY DEVELOPMENT DISTRICT
REMEDIAL/CAPING AND INTERIM SURFACE PAVEMENT AT KAKAKO MAKAI FOREST AVENUE PARKING LOT

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY

DRAWN BY: KK
DATE: JULY 2010
CHECKED BY: JL

FILE: PROJECT: FOLDER: NO.

SHEET 10 OF 56



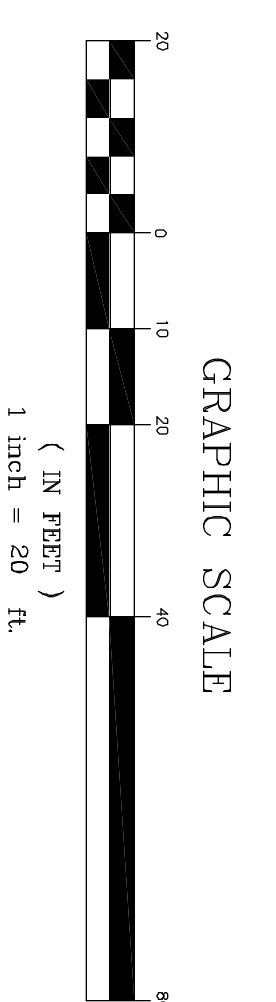
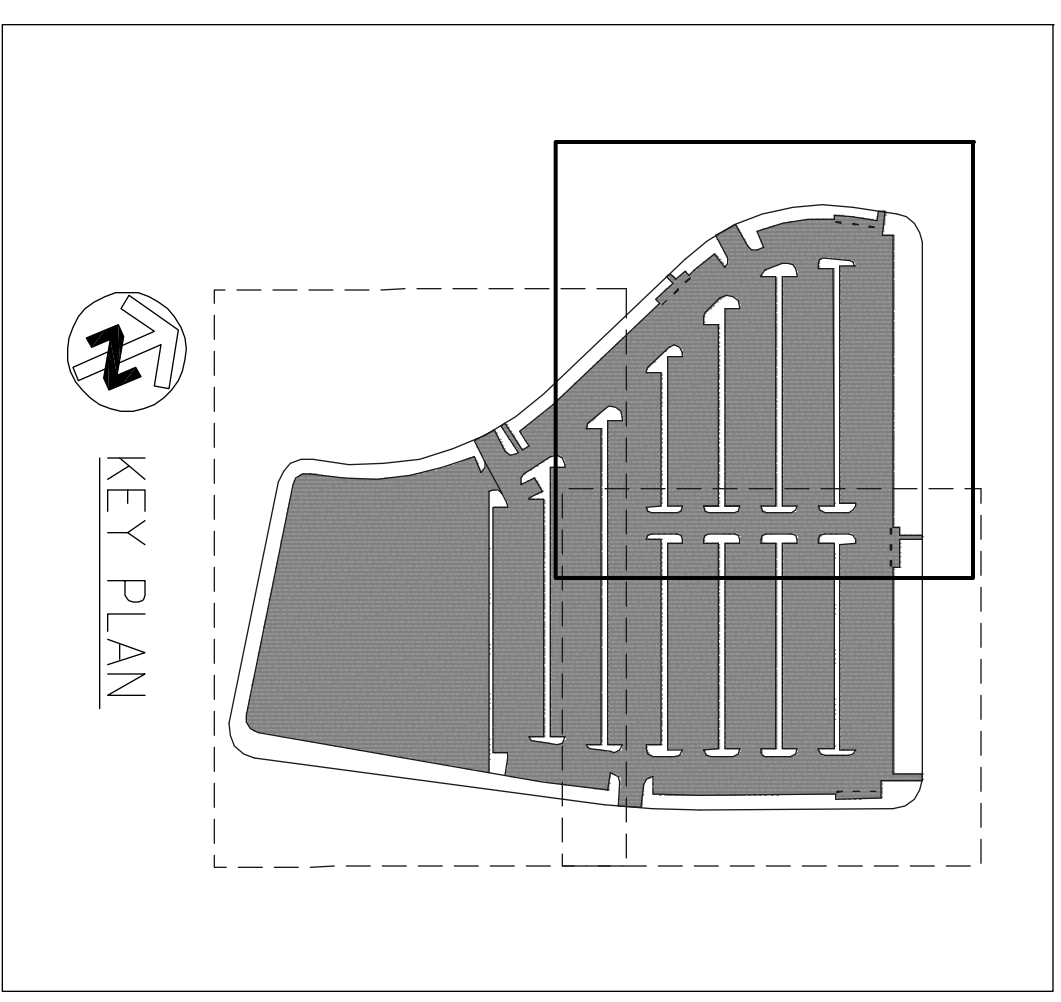
EARTHWORK QUANTITIES:
(FOR PIANO PARKING LOT ONLY)

EXCAVATION	= 1,773 C.Y.
EMBANKMENT	= 7,887 C.Y.
AREA TO BE GRADED	= 7.53 ACRES
DISTURBED	

- NOTES:**
1. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON PLANS, AT ALL TIMES UNLESS INDICATED TO BE REMOVED OR RELOCATED.
 2. FOR SITE SECTIONS, SEE SHEET C-13 AND C-14.
 3. THE PROJECT INCLUDES THE INCIDENTAL REMOVAL/ON-SITE RELOCATION OF POTENTIAL CONTAMINATED SOILS AND CAPPING THE SITE SOILS WITH CLEAN IMPORTED MATERIAL, LANDSCAPING AND/OR PAVEMENT. THE CONTRACTOR SHALL COMPLY WITH THE PROJECT'S TECHNICAL SPECIFICATIONS FOR ANY CONSTRUCTION ACTIVITIES THAT INVOLVE THE DISTURBANCE OF EXISTING SITE SOILS AND/OR THAT MAY EXPOSE WORKERS OR THE PUBLIC TO POTENTIALLY CONTAMINATED SOIL. THE CONTRACTOR ALSO SHALL REVIEW THE JUNE 2009 ENVIRONMENTAL HAZARD EVALUATION, KAKAAKO MAKAI DISTRICT AND THE JUNE 2009 ENVIRONMENTAL HAZARD MANAGEMENT PLAN, KAKAAKO MAKAI DISTRICT PREPARED BY THE LIMTIACO CONSULTING GROUP AND ENVIRONMENTAL & TRAINING CENTER, LLC, AS WELL AS HISTORIC REPORTS REFERENCED THEREIN. SUSPECT CONTAMINANTS ASSOCIATED WITH LONG-TERM EXPOSURE HAZARDS AT THE VARIOUS SITES WITHIN THE PROJECT AREA INCLUDE, BUT ARE NOT LIMITED TO, PETROLEUMS, POLYNUCLEAR AROMATIC HYDROCARBONS, AND HEAVY METALS.

LEGEND:

- 6 --- EXISTING GRADE CONTOUR
- 6 — FINISH GRADE CONTOUR
- - - 6.51 P EXISTING SPOT GRADE
- - - 6.51 P ELEV. AT PAVEMENT FINISH GRADE
- 0.3% SLOPE
- PROPERTY LINE
- LIMITS OF GRADING/DISTURBED AREA
- APPROX. BORING LOG LOCATION
- AND ID NUMBER



4/30/12

THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII. NO. 9360-C

THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
5090 KOLE AVENUE, SUITE 200 • HONOLULU, HAWAII 96817
(808) 596-7700 • FAX: (808) 596-7807

HAWAII COMMUNITY DEVELOPMENT AUTHORITY
STATE OF HAWAII
HONOLULU, OAHU, HAWAII

KAKAAKO COMMUNITY DEVELOPMENT DISTRICT
REMEDICATION/CAPING AND INTERIM SURFACE PARKING AT KAKAAKO MAKAI
PIANO PARKING LOT "A"

DESIGNER: KK
CHECKED BY: J

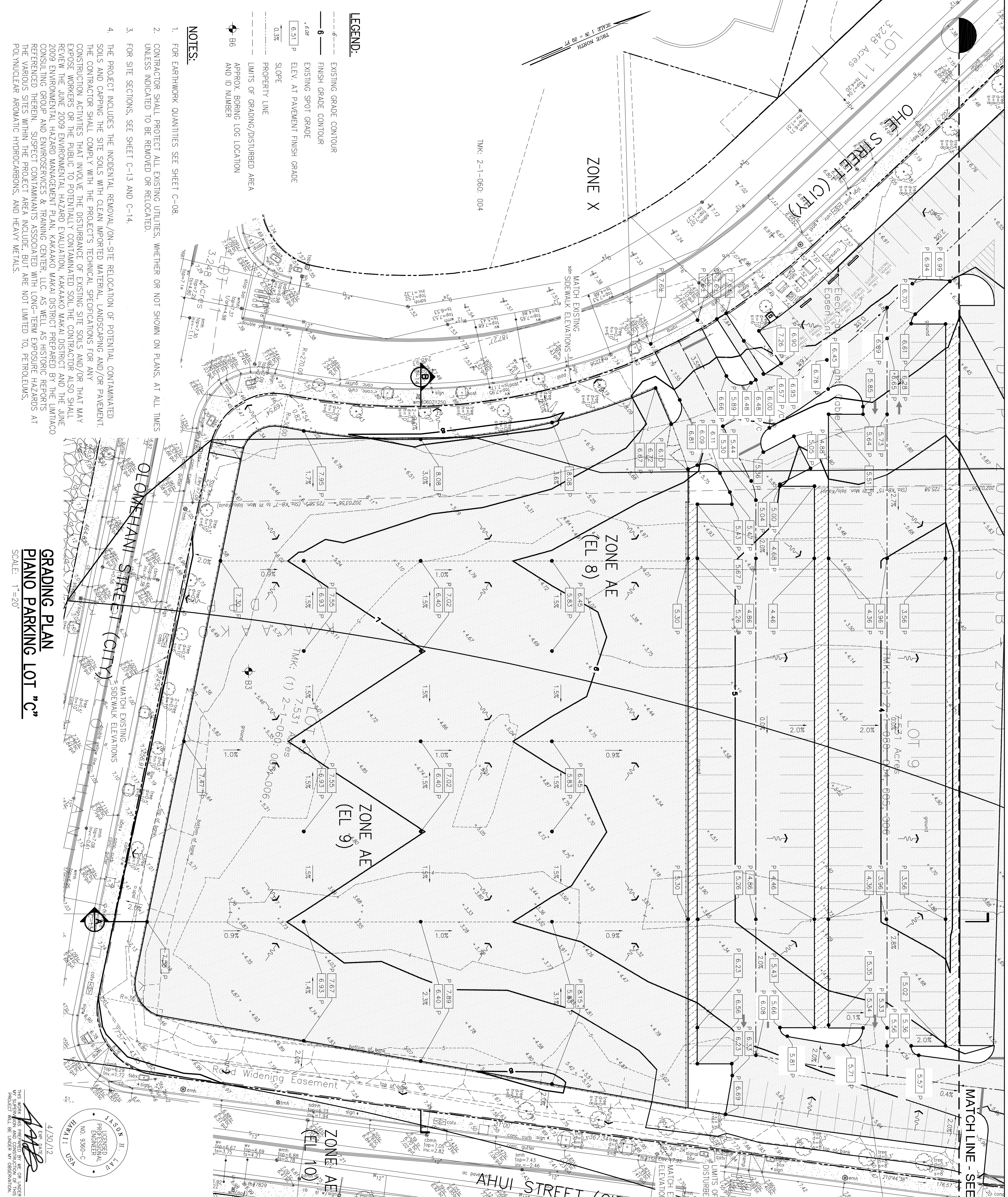
DATE: JULY 2010

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY

DRAWING C-08

SHEET 11 OF 56

FILE POCKET FOLDER NO.



- LEGEND:**
- 6 --- EXISTING GRADE CONTOUR
 - 6 --- FINISH GRADE CONTOUR
 - 6.08 --- EXISTING SPOT GRADE
 - 6.51 P --- ELEV. AT PAVEMENT FINISH GRADE
 - 0.3% --- SLOPE
 - PROPERTY LINE
 - LIMITS OF GRADING/DISTURBED AREA
 - APPROX. BORING LOG LOCATION
 - B6 --- AND ID NUMBER
- NOTES:**
1. FOR EARTHWORK QUANTITIES SEE SHEET C-08.
 2. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON PLANS, AT ALL TIMES UNLESS INDICATED TO BE REMOVED OR RELOCATED.
 3. FOR SITE SECTIONS, SEE SHEET C-13 AND C-14.
 4. THE PROJECT INCLUDES THE INCIDENTAL REMOVAL/ON-SITE RELOCATION OF POTENTIAL CONTAMINATED SOILS AND CAPPING THE SITE SOILS WITH CLEAN IMPORTED MATERIAL, LANDSCAPING AND/OR PAVEMENT. THE CONTRACTOR SHALL COMPLY WITH THE PROJECT'S TECHNICAL SPECIFICATIONS FOR ANY CONSTRUCTION ACTIVITIES THAT INVOLVE THE DISTURBANCE OF EXISTING SITE SOILS AND/OR THAT MAY EXPOSE WORKERS OR THE PUBLIC TO POTENTIALLY CONTAMINATED SOIL. THE CONTRACTOR ALSO SHALL REVIEW THE JUNE 2009 ENVIRONMENTAL HAZARD EVALUATION, KAKAAKO MAKAII DISTRICT AND THE JUNE 2009 ENVIRONMENTAL HAZARD MANAGEMENT PLAN, KAKAAKO MAKAII DISTRICT PREPARED BY THE LIMITACO CONSULTING GROUP AND ENVIRONMENTAL SERVICES & TRAINING CENTER, LLC, AS WELL AS HISTORIC REPORTS REFERENCED THEREIN. SUSPECT CONTAMINANTS ASSOCIATED WITH LONG-TERM EXPOSURE HAZARDS AT THE VARIOUS SITES WITHIN THE PROJECT AREA INCLUDE, BUT ARE NOT LIMITED TO, PETROLEUMS, POLYNUCLEAR AROMATIC HYDROCARBONS, AND HEAVY METALS.

**GRADING PLAN
PLANO PARKING LOT "C"**

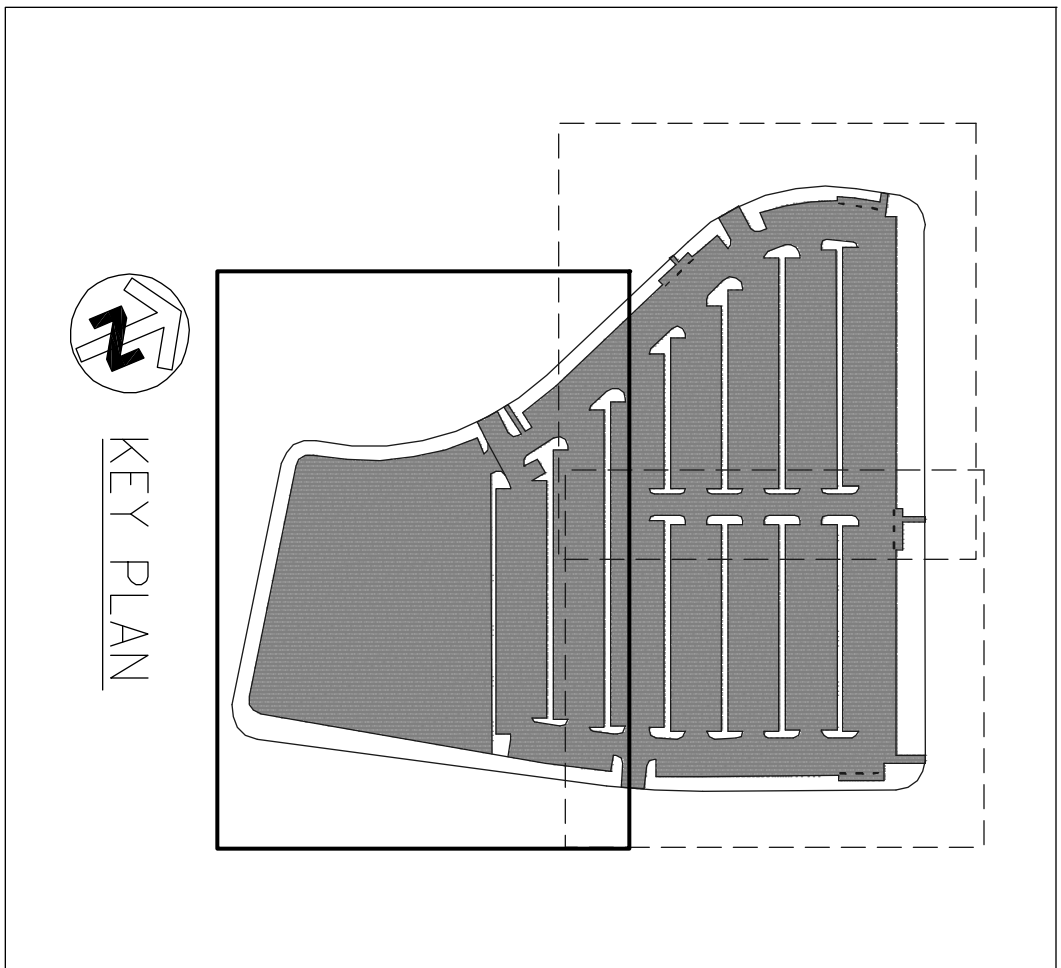
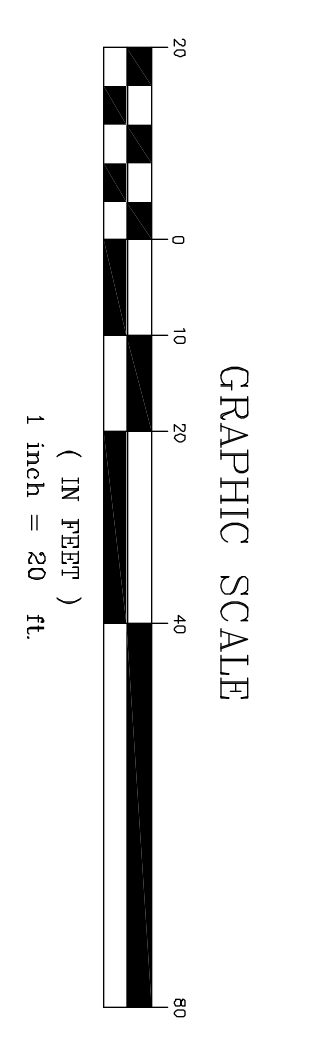
SCALE: 1"=20'

4/30/12
 THE WORKS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH ALL CITY, STATE AND FEDERAL REQUIREMENTS.
 HAWAII
 LICENSED PROFESSIONAL ENGINEER
 NO. 5360-C
 A. J. JONES

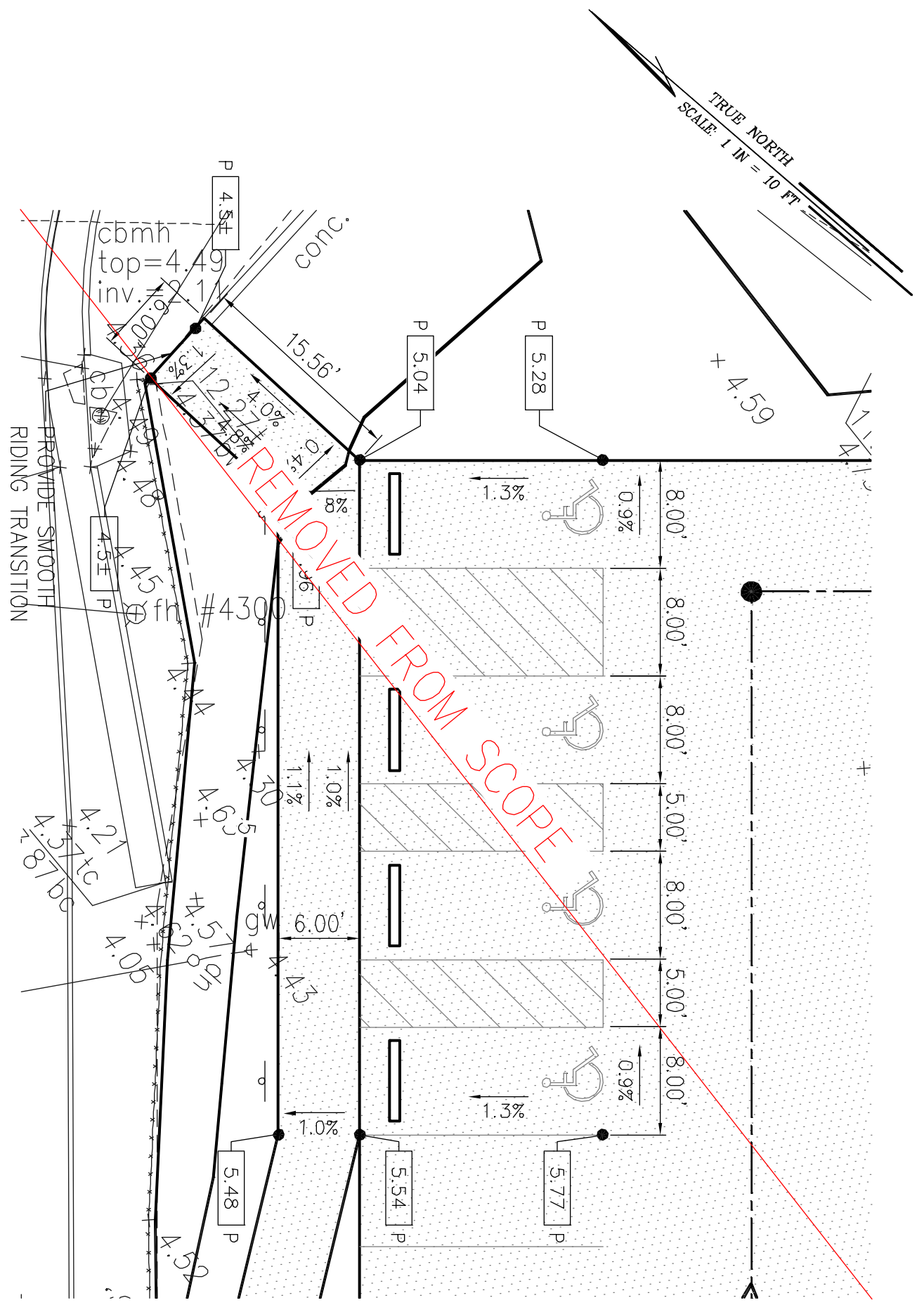
REV	DATE	DESCRIPTION	BY	APPR

HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 KAKAAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAAKO MAKAII
**GRADING PLAN
PLANO PARKING LOT "C"**

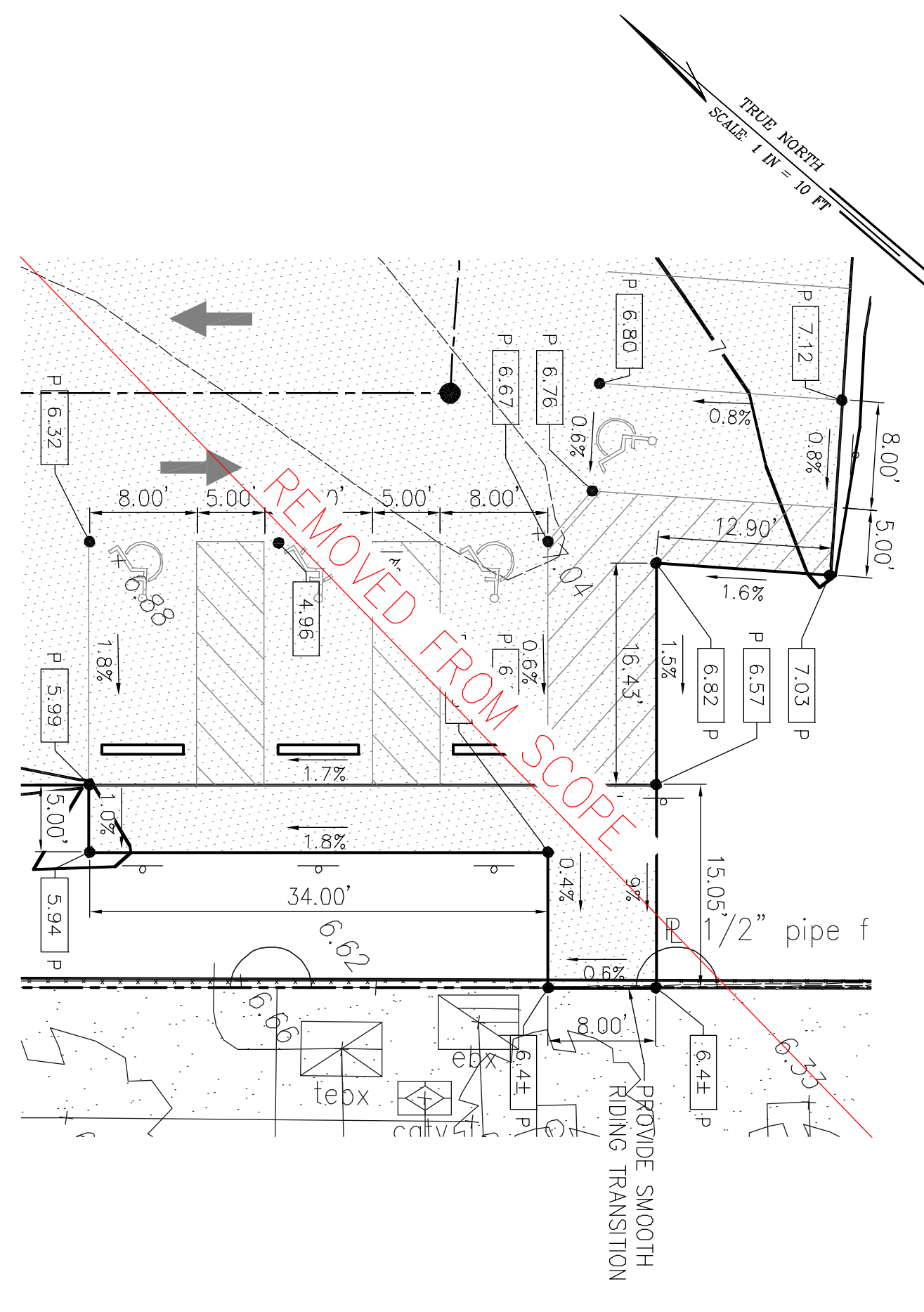
DRAWN BY: KK DES BY: KK CHECKED BY: J
 DATE: JULY 2010



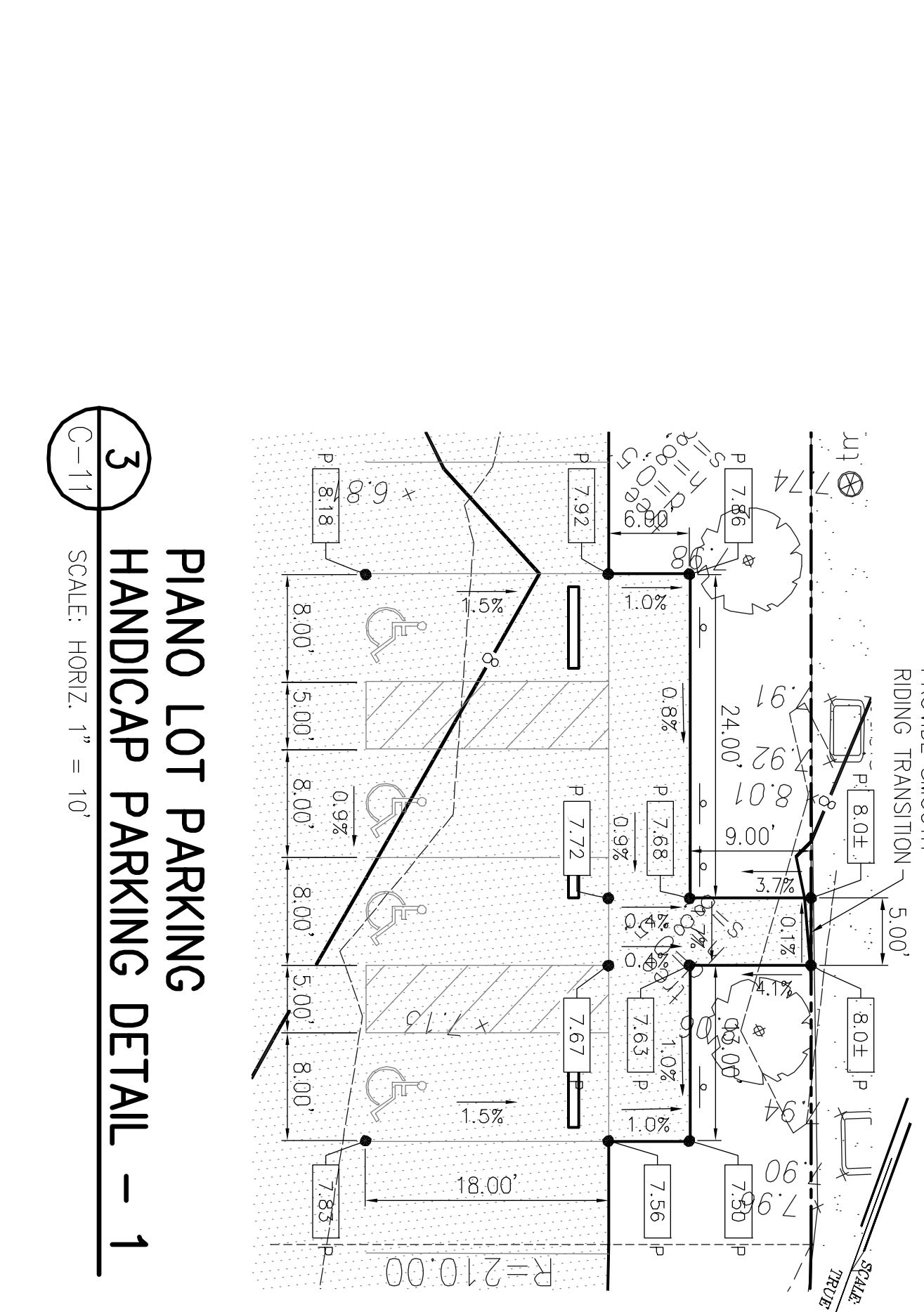
MATCH LINE - SEE SHEET C-08 & C-09



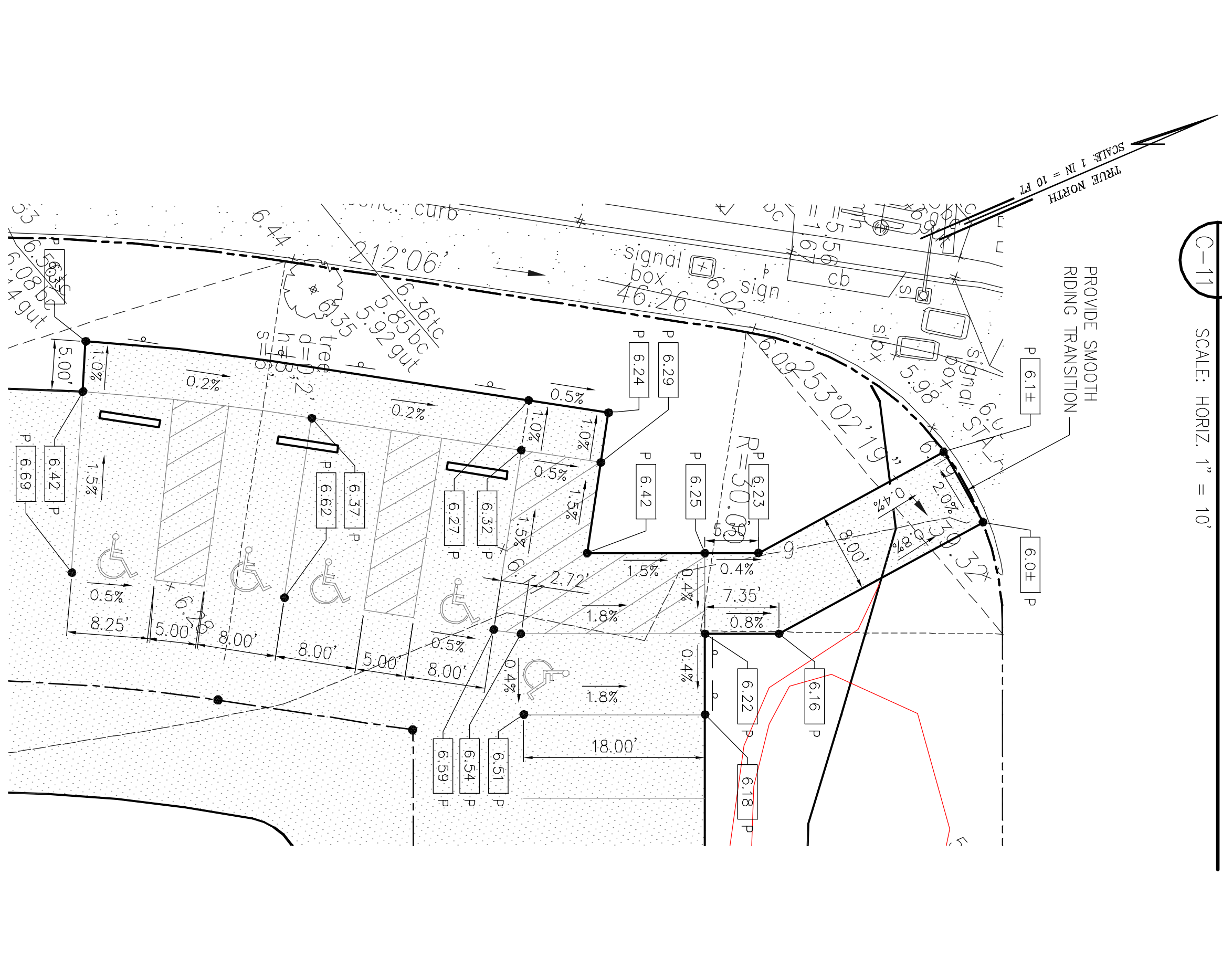
1
FOREST AVENUE PARKING LOT
HANDICAP PARKING DETAIL - 1
C-11 SCALE: HORIZ. 1" = 10'



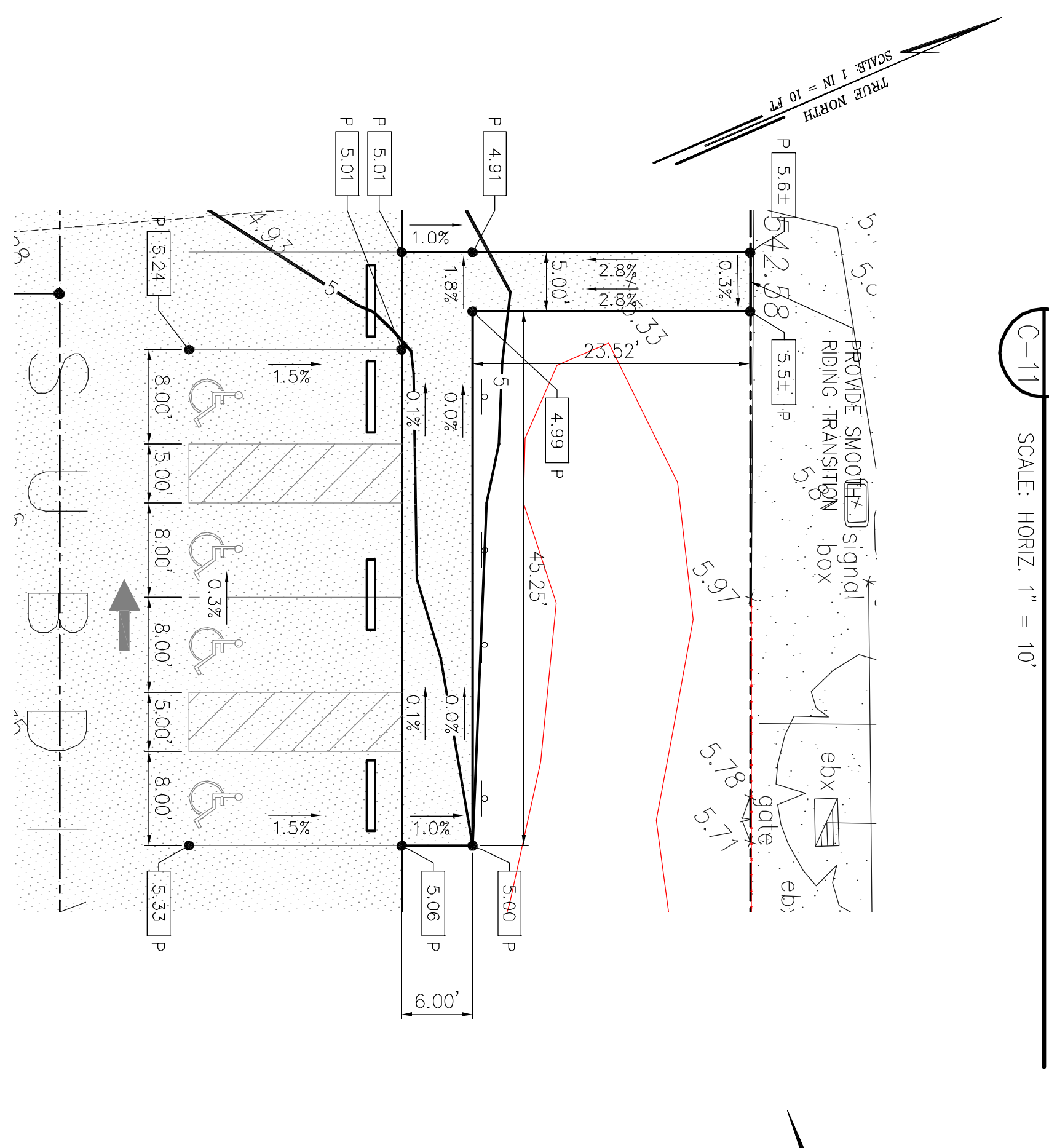
2
FOREST AVENUE PARKING LOT
HANDICAP PARKING DETAIL - 2
C-11 SCALE: HORIZ. 1" = 10'



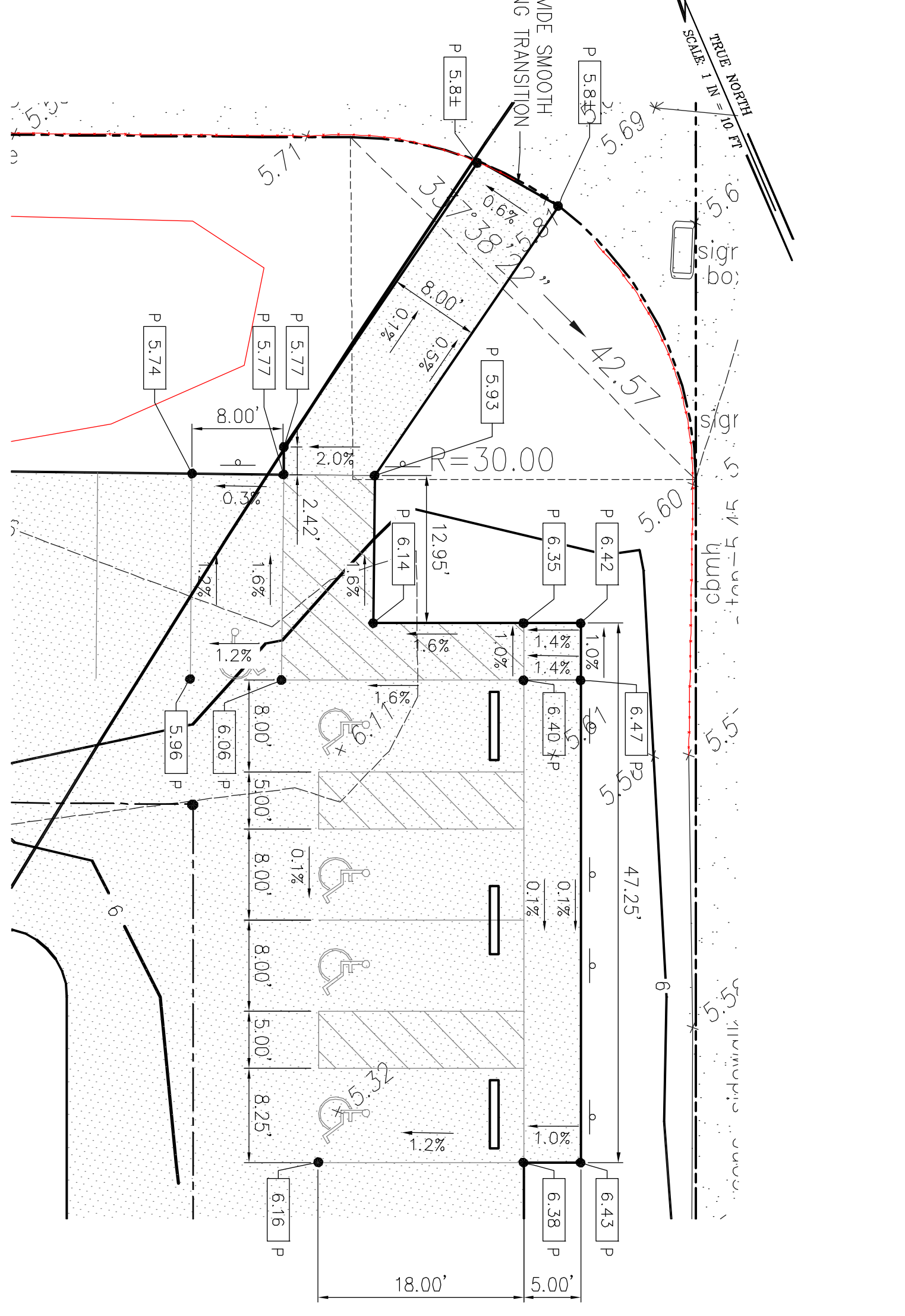
3
PIANO LOT PARKING
HANDICAP PARKING DETAIL - 1
C-11 SCALE: HORIZ. 1" = 10'



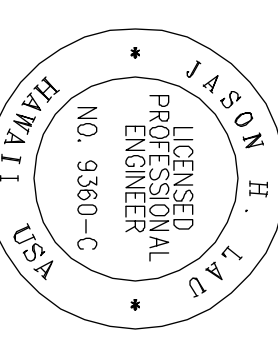
4
PIANO PARKING
HANDICAP PARKING DETAIL - 2
C-11 SCALE: HORIZ. 1" = 10'



5
PIANO LOT PARKING
HANDICAP PARKING DETAIL - 3
C-11 SCALE: HORIZ. 1" = 10'



6
PIANO LOT PARKING
HANDICAP PARKING DETAIL - 4
C-11 SCALE: HORIZ. 1" = 10'



4/30/12
THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.
JHL
JASON H. LAW
LICENSED PROFESSIONAL ENGINEER
NO. 3360-C
STATE OF HAWAII

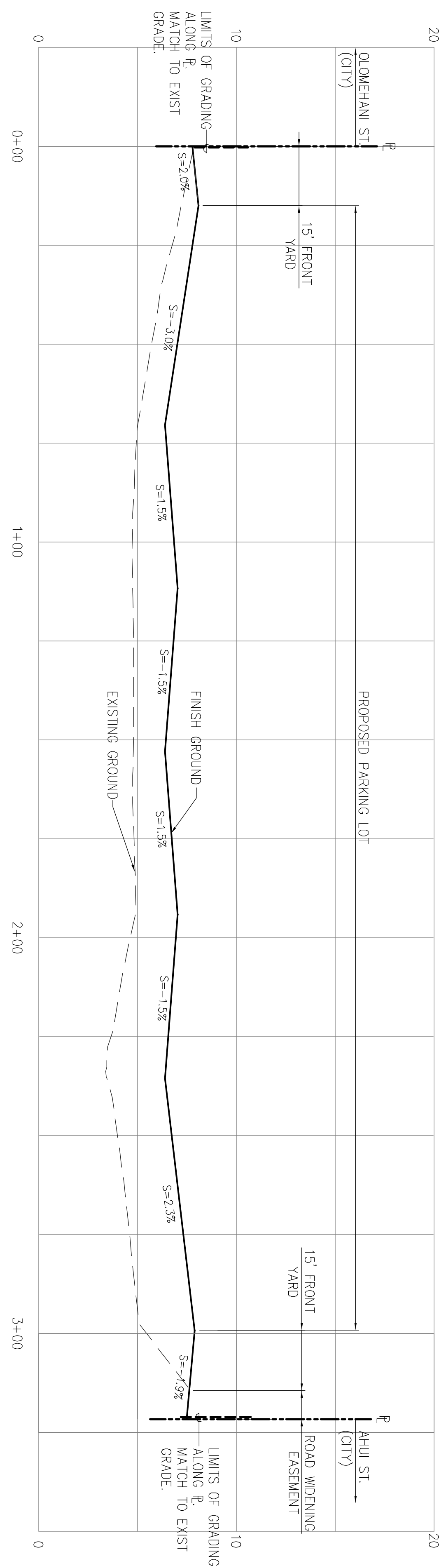
REV	DATE	DESCRIPTION	BY	APPR

THE LIMTIACO CONSULTING GROUP
 CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
 696 KALANANAKUHIWA DRIVE, SUITE 700 • HONOLULU, HAWAII 96817
 PHONE: (808) 596-7700 • FAX: (808) 596-2800

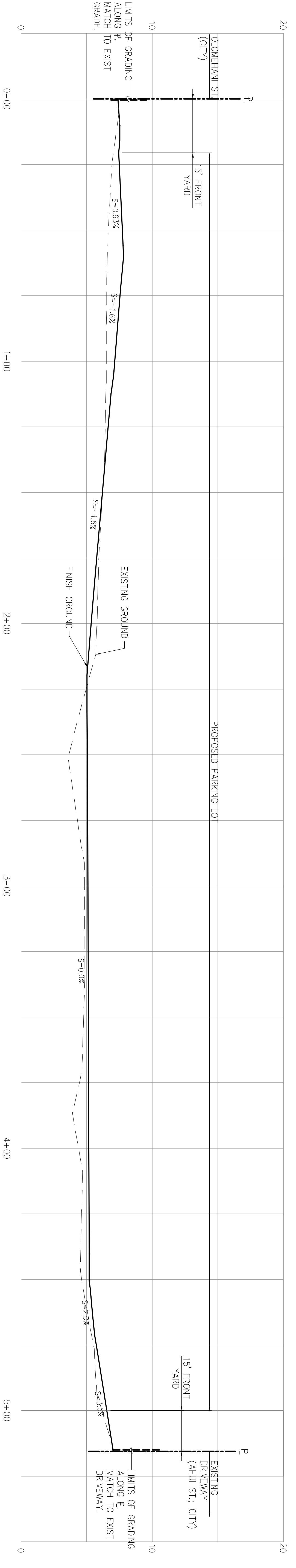
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAP/PING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI
ACCESSIBLE PARKING SPOT ELEVATIONS

DRAWN BY: KK DES BY: KK CHECKED BY: JL
 SCALE: 1" = 10' DATE: JULY 2010

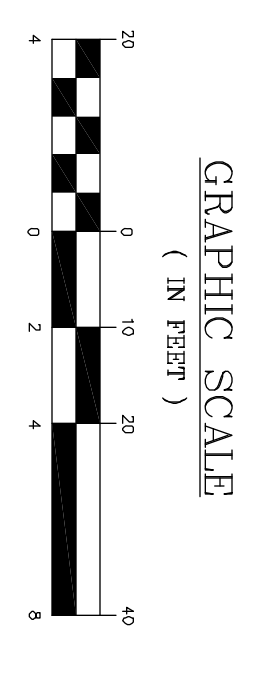
EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY



B PIANO PARKING LOT, SITE SECTION - B
 C-14 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 4'



C PIANO PARKING LOT, SITE SECTION - C
 C-14 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 4'



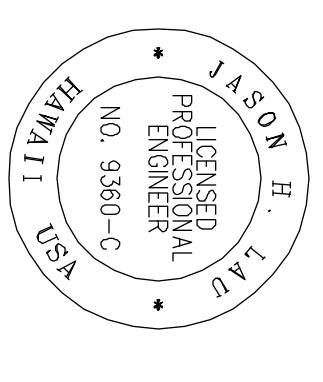
LIMITS OF GRADING
 ALONG P.
 MATCH TO EXIST
 GRADE.

EXISTING GROUND

PROPOSED PARKING LOT

EXISTING DRIVEWAY (AHUI ST., CITY)

LIMITS OF GRADING
 ALONG P.
 MATCH TO EXIST
 DRIVEWAY.



4/30/12
 DATE

THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.

REV	DATE	DESCRIPTION	BY	APPR

THE LIMTIACCO CONSULTING GROUP
 CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
 696 KANELOA DRIVE, SUITE 200, HONOLULU, OAHU, HAWAII
 PHONE: (808) 596-7700 • FAX: (808) 596-2800

HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI
 PIANO PARKING LOT

DRAWN BY: KK DES BY: KK CHECKED BY: JL DATE: JULY 2010

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY

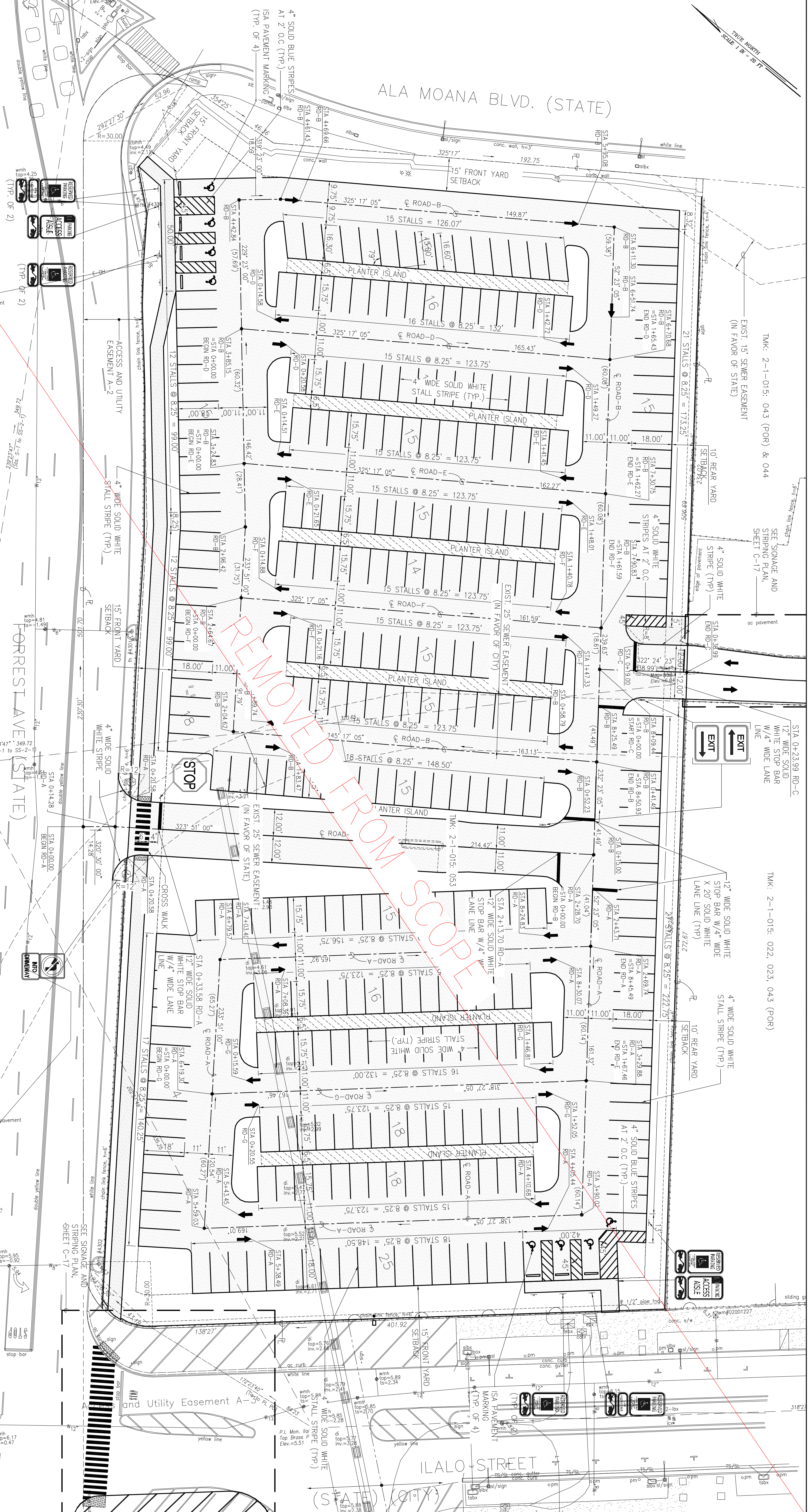
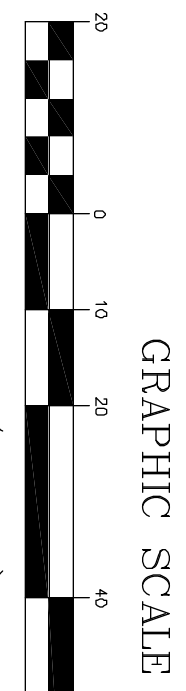
CURVE	A	A/2	RADIUS	T	Ch	Lc
(3)	61°51'11"	30°55'36"	12.00'	7.19'	12.33'	12.95'
(4)	61°22'50"	30°41'25"	12.00'	7.12'	12.25'	12.86'

NOTES:

1. FOR STOP BAR/LANE LINE/CROSSWALK, SEE DETAIL (C-7) AND (C-8)
2. FOR ADA PARKING DETAIL, SEE DETAIL (C-30)
3. FOR SIGN & POST DETAIL, SEE DETAIL (C-1)
4. FOR PAVEMENT ARROW DETAIL, SEE DETAIL (C-29)
5. FOR TRAFFIC SIGN DETAILS, SEE DETAIL (C-30)
6. FOR SITE LAYOUT SEE SHEET C-15.

**SIGNAGE AND STRIPING PLAN
FOREST AVENUE PARKING LOT**

SCALE: 1" = 20'



4/30/12
 THE ENGINEER HAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.
JASON H. LAKE
 LICENSED PROFESSIONAL ENGINEER
 NO. 9360-C
 HAWAII

REV	DATE	DESCRIPTION	BY	APPR

SEE SIGNAGE AND STRIPING PLAN, SHEET C-17

THE LIMTIACO CONSULTING GROUP
 CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
 696 KANELOA DRIVE, SUITE 200
 HONOLULU, HAWAII 96813
 PHONE: (808) 596-7700 FAX: (808) 596-2807

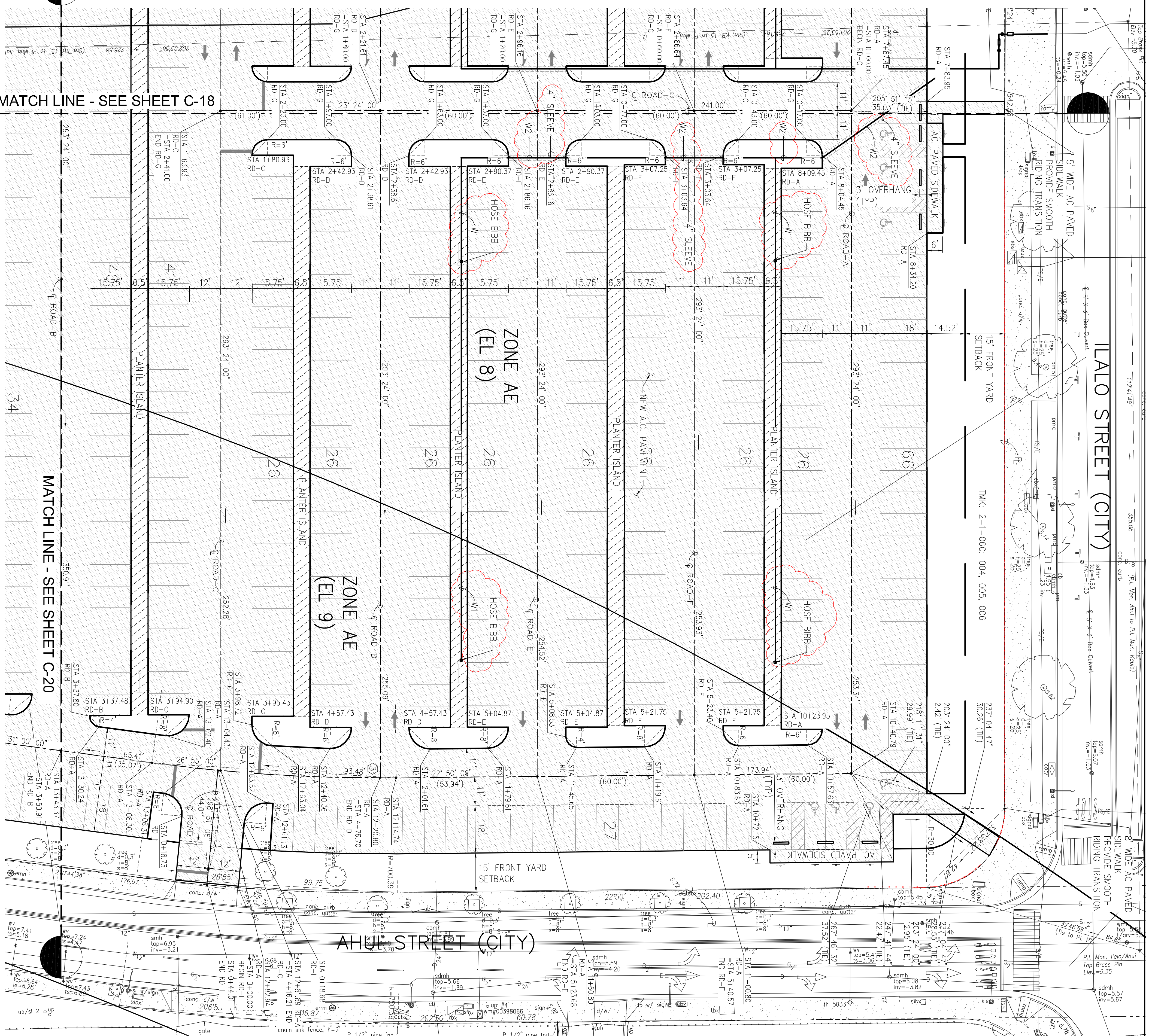
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 HONOLULU, HAWAII

KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI FOREST AVENUE PARKING LOT

DRAWN BY: KK CHECKED BY: JL DATE: JULY 2010

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY

TRUE NORTH
SCALE 1" = 20' FT



LAALO STREET (CITY)

AHUI STREET (CITY)

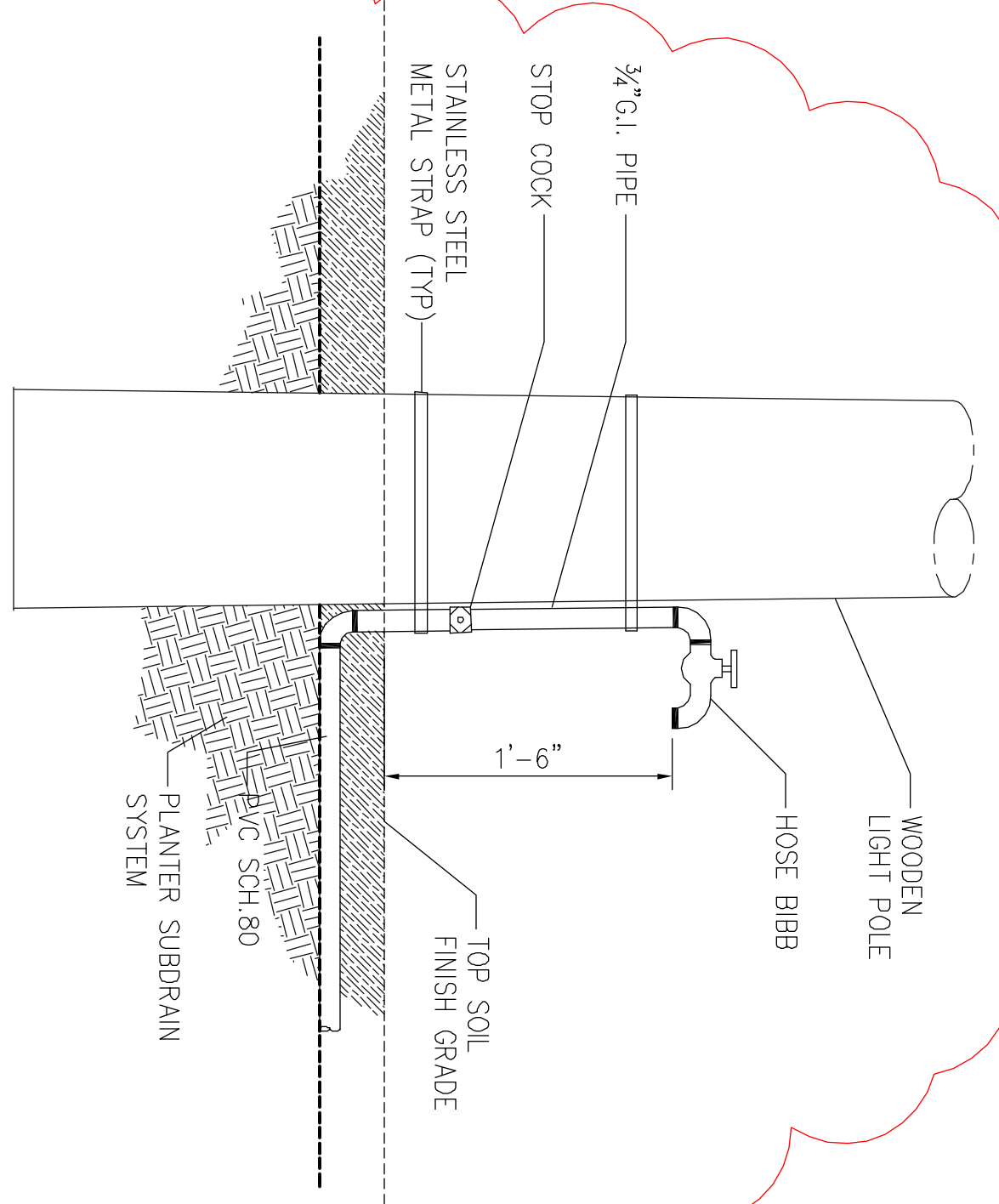
MATCH LINE - SEE SHEET C-18

MATCH LINE - SEE SHEET C-20

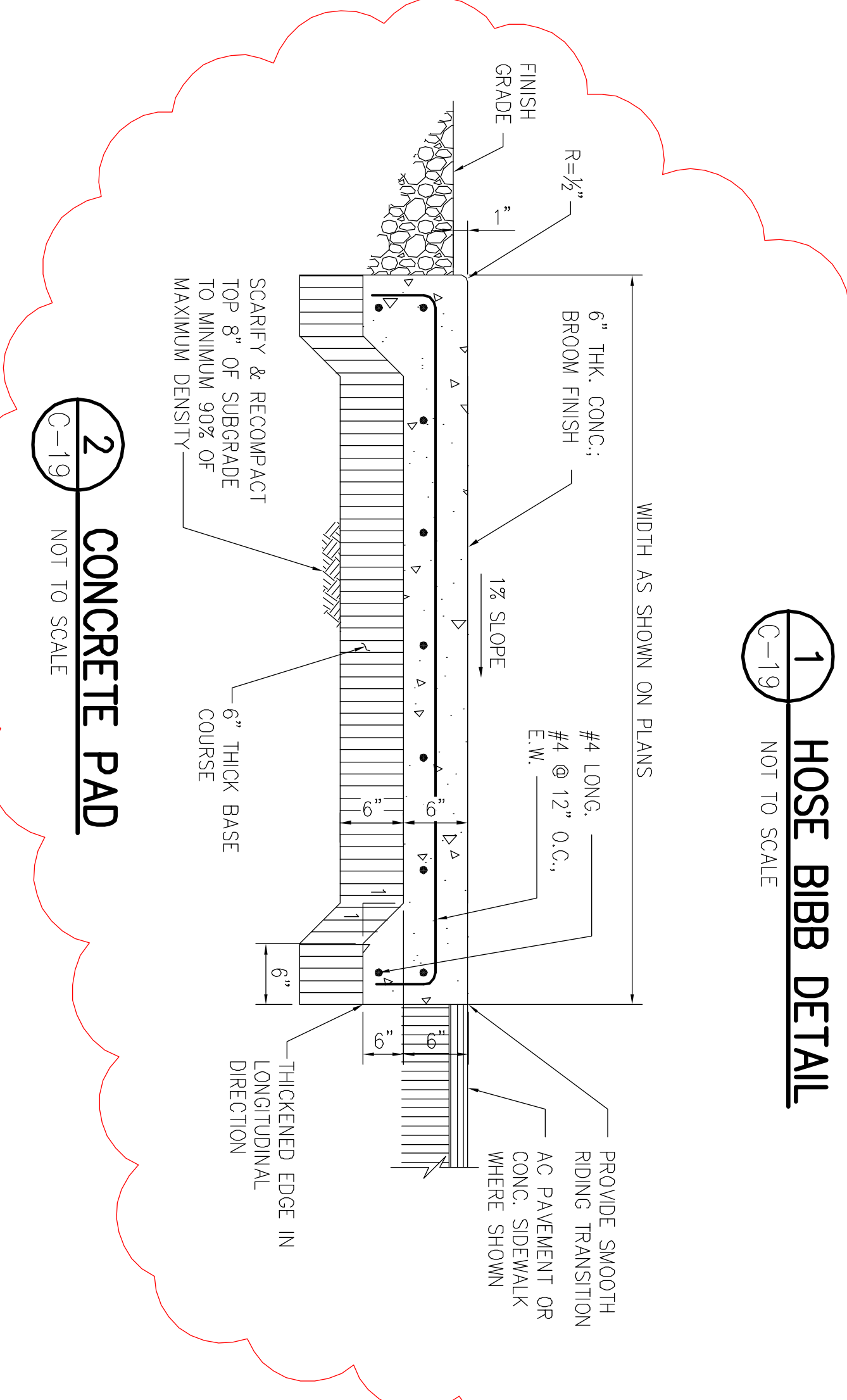
SITE PLAN - PIANO PARKING LOT "B"
SCALE: 1" = 20'

NOTES:

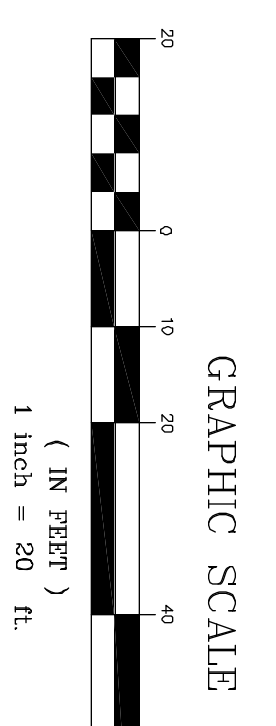
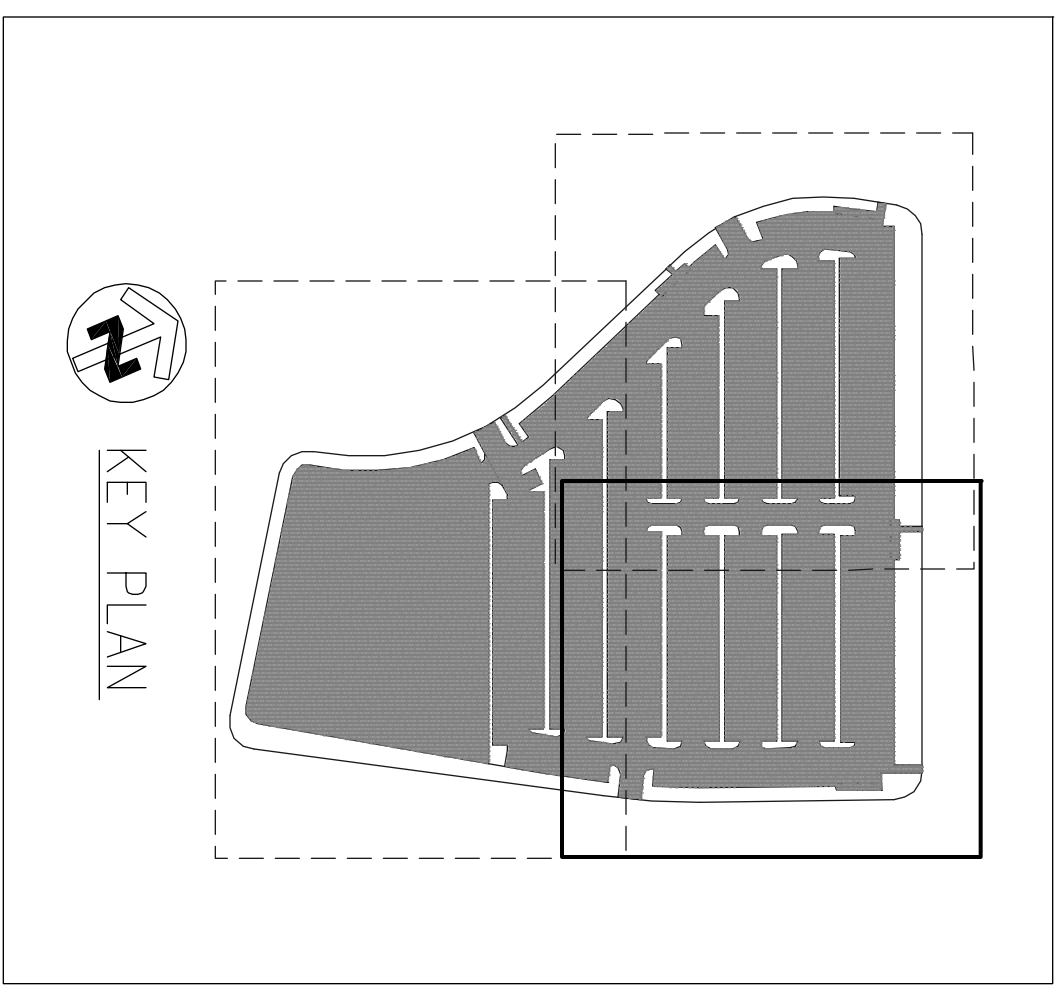
1. FOR PAVEMENT TRANSITION, SEE DETAIL (C-29)
2. FOR AC PAVEMENT/SIDEWALK, SEE DETAIL (C-29)
3. FOR PLANTER ISLAND, SEE DETAIL (C-29)
4. FOR ADA PARKING DETAIL, SEE DETAIL (C-30)
5. FOR SIGN & POST DETAIL, SEE DETAIL (C-30)
6. FOR CURVE DATA, SEE SHEET C-20.
7. FOR CONCRETE WHEELSTOP, SEE DETAIL (C-30)
8. FOR PIANO PARKING LOT SIGNAGE AND STRIPING PLAN, SEE SHEETS C-21 THRU C-23.



(C-1) HOSE BIBB DETAIL
NOT TO SCALE



(C-2) CONCRETE PAD
NOT TO SCALE



4/30/12

THESE WORKS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.

JASON H. LAKE
LICENSED PROFESSIONAL ENGINEER
NO. 5360-C
HAWAII

REV	DATE	DESCRIPTION	BY	APPR

HAWAII COMMUNITY DEVELOPMENT AUTHORITY
STATE OF HAWAII
KAKAKO COMMUNITY DEVELOPMENT DISTRICT
REMEDIAL/CAPING AND INTERIM SURFACE PARKING AT KAKAOKO MAKAI
PIANO PARKING LOT "B"

THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
509 KULUOHIA DRIVE, HONOLULU, HAWAII 96813
PHONE: (808) 596-7700 FAX: (808) 596-7200

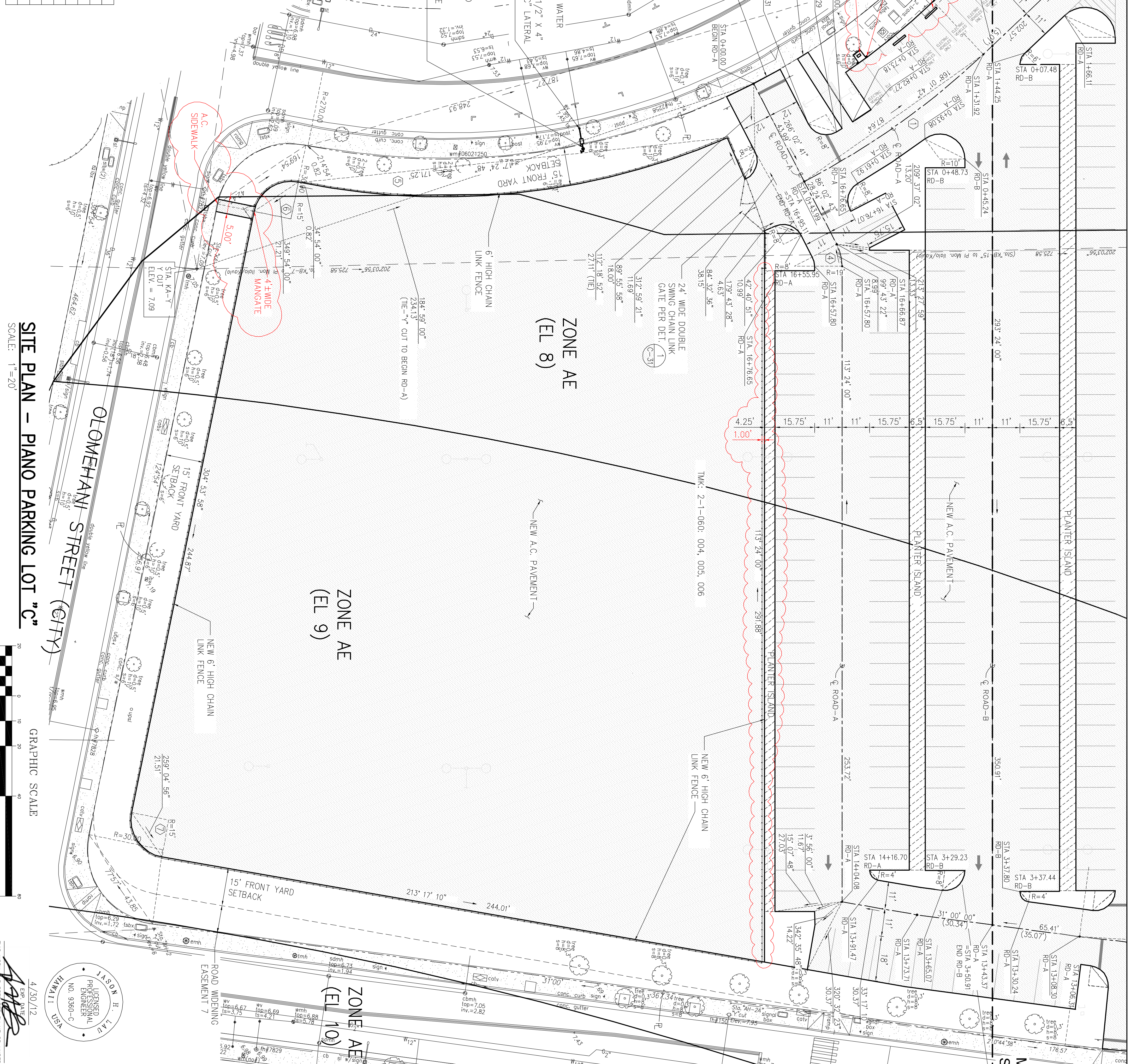
DRAWN BY: KK
DESIGN BY: KK
DATE: JULY 2010
CHECKED BY: J

CURVE	Δ	A/2	RADIUS	T	Ch	Lc
①	16°03'56"	8°01'58"	313.59'	44.26'	87.64'	87.93'
②	52°06'00"	26°03'00"	166.00'	81.4'	145.80'	150.95'
③	8°10'00"	4°05'00"	656.39'	46.86'	93.48'	93.56'
④	27°21'17"	13°40'39"	19.00'	4.62'	8.99'	9.07'
⑤	34°58'04"	17°29'02"	285.00'	89.77'	171.25'	173.94'
⑥	90°00'00"	45°00'00"	15.00'	15.00'	21.21'	23.56'
⑦	91°36'48"	45°48'24"	15.00'	15.43'	21.51'	23.98'

- FOR CURVE DATA, SEE BELOW.
- FOR CONCRETE PAD SEE DETAIL (C-19)
- FOR BWS WATER TABLE, SEE SHEET C-18
- FOR PAYMENT TRANSITION, SEE DETAIL (C-29)
- FOR AC PAVEMENT/SIDEWALK, SEE DETAIL (C-29)
- FOR PLANTER ISLAND, SEE DETAIL (C-30)
- FOR ADA PARKING DETAIL, SEE DETAIL (C-30)
- FOR SIGN & POST DETAIL, SEE DETAIL (C-31)
- FOR CHAIN LINK FENCE, SEE DETAIL (C-31)
- FOR PLANO PARKING LOT SIGNAGE AND STRIPING PLAN, SEE SHEETS C-21 THRU C-23.

- BWS TO INSTALL TYPE "C" LATERAL, BLIND METER SPLICE LENGTH TO ACCOMMODATE A 1-INCH METER AND ALL APPURTENANCES IN ACCORDANCE WITH BWS STANDARDS. BMS AFTER WATER SERVICE IS APPLIED AND PAID FOR.
- FOR BWS WATER TABLE, SEE SHEET C-18
- FOR PAYMENT TRANSITION, SEE DETAIL (C-29)
- FOR AC PAVEMENT/SIDEWALK, SEE DETAIL (C-29)
- FOR PLANTER ISLAND, SEE DETAIL (C-30)
- FOR ADA PARKING DETAIL, SEE DETAIL (C-30)
- FOR SIGN & POST DETAIL, SEE DETAIL (C-31)
- FOR CHAIN LINK FENCE, SEE DETAIL (C-31)
- FOR PLANO PARKING LOT SIGNAGE AND STRIPING PLAN, SEE SHEETS C-21 THRU C-23.

CONTRACTOR TO INSTALL:
 1-2" GATE VALVE AND VALVE BOX FOR R.P., B.F.P. AND CONT. SEE LANDSCAPE PLANS



SITE PLAN - PLANO PARKING LOT "C"
 SCALE: 1"=20'
 GRAPHIC SCALE
 1 inch = 20 ft
 DRAWING C-20

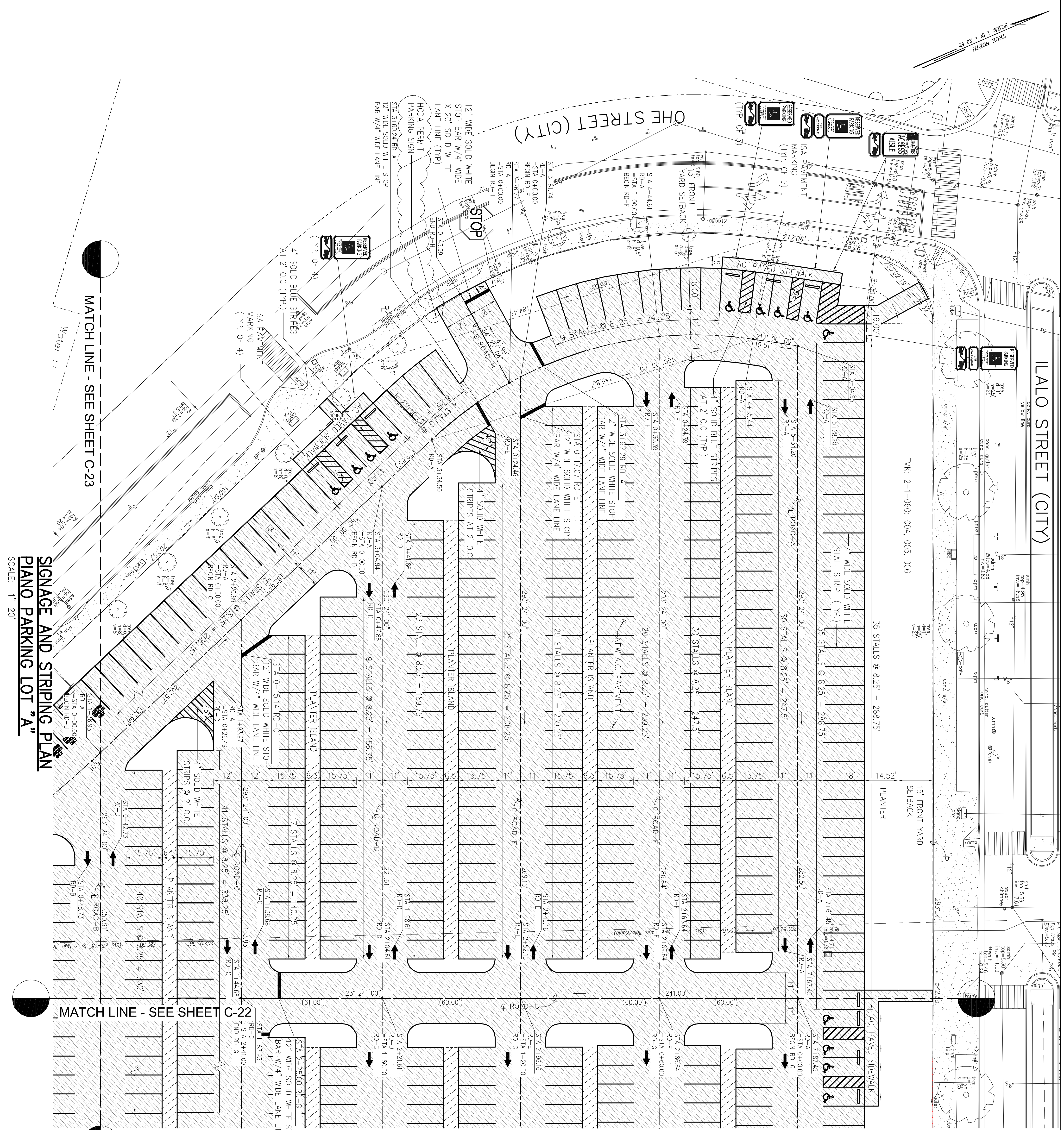
4/30/12
 THE WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER.
 JASON H. LAKE
 LICENSE NO. 5360-C
 HAWAII

HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI
PLANO PARKING LOT "C"

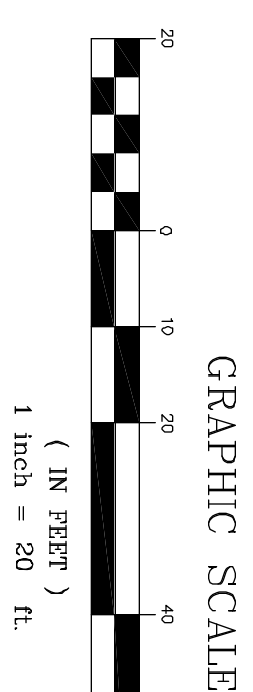
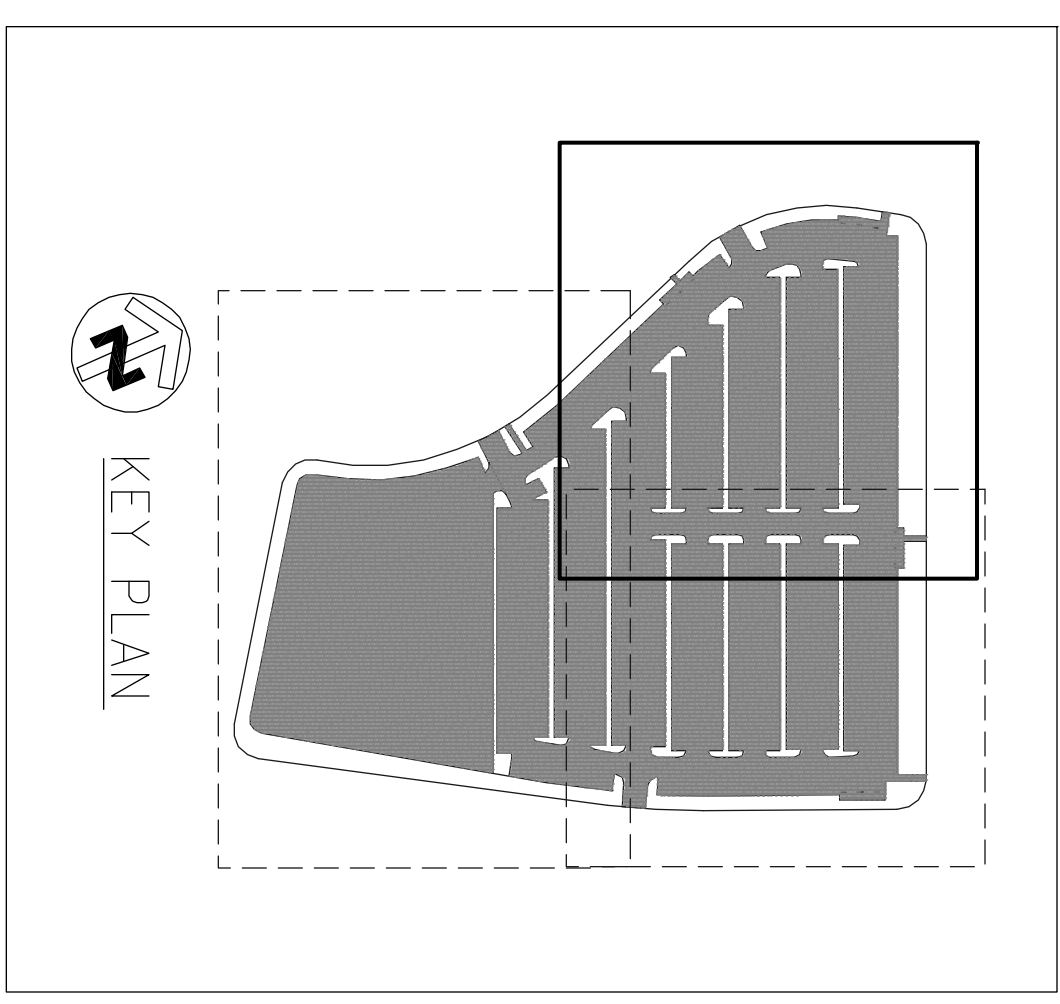
REV	DATE	DESCRIPTION	BY	APPR



MATCH LINE - SEE SHEET C-18 & C-19
 TMK: 2-1-058: 002, 035, 041, 047, 082, 083, 084, 085, 086, 091, 107, 112, 113, 114, 115, 116, 119



- NOTES:
1. FOR STOP BAR/LANE LINE, SEE DETAIL (C-29)
 2. FOR ADA PARKING DETAIL, SEE DETAIL (C-30)
 3. FOR SIGN & POST DETAIL, SEE DETAIL (C-30)
 4. FOR PAVEMENT ARROW, SEE DETAIL (C-29)
 5. FOR SITE LAYOUT, SEE SHEETS C-18 THRU C-20.
 6. FOR TRAFFIC SIGN DETAILS, SEE DETAIL (C-30)



4/30/12
 PROFESSIONAL ENGINEER
 NO. 5360-C
 HAWAII

THE LIMTIACO CONSULTING GROUP
 CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
 696 KUALA OAHU, HAWAII
 PHONE: (808) 596-7700 • FAX: (808) 596-2800

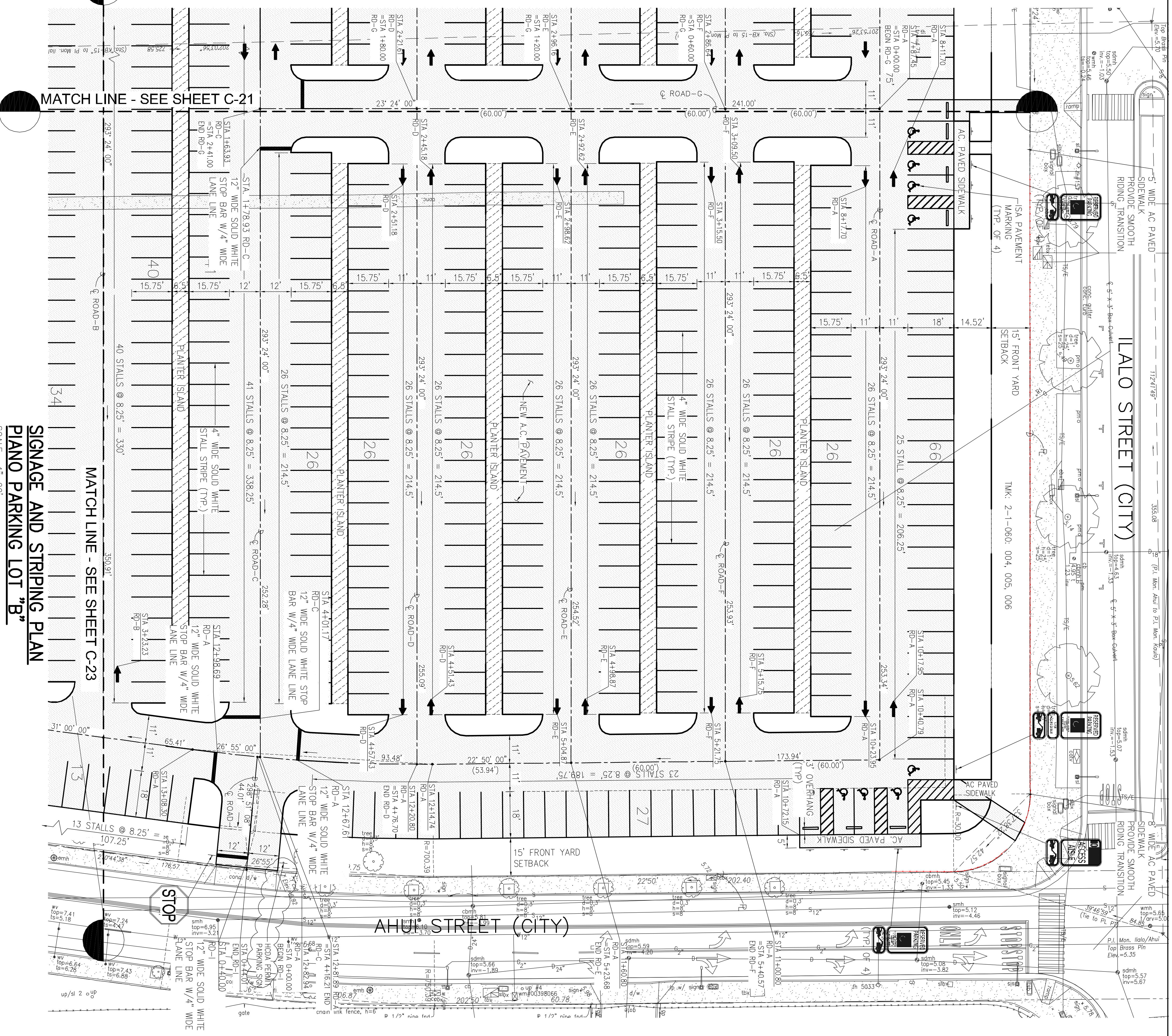
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI
 SIGNAGE AND STRIPING PLAN
 PIANO PARKING LOT "A"

DRAWN BY: KK
 DES BY: KK
 DATE: JULY 2010
 CHECKED BY: J

REV	DATE	DESCRIPTION	BY	APPR

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY

TRUE NORTH
SCALE: 1" = 20' FT



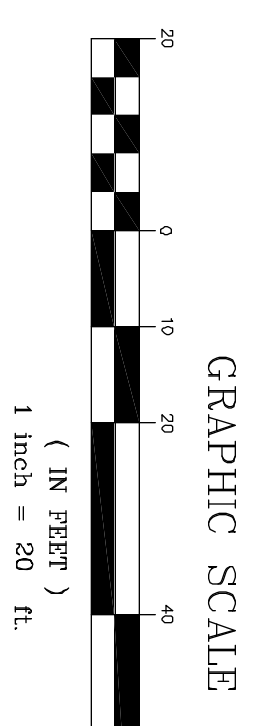
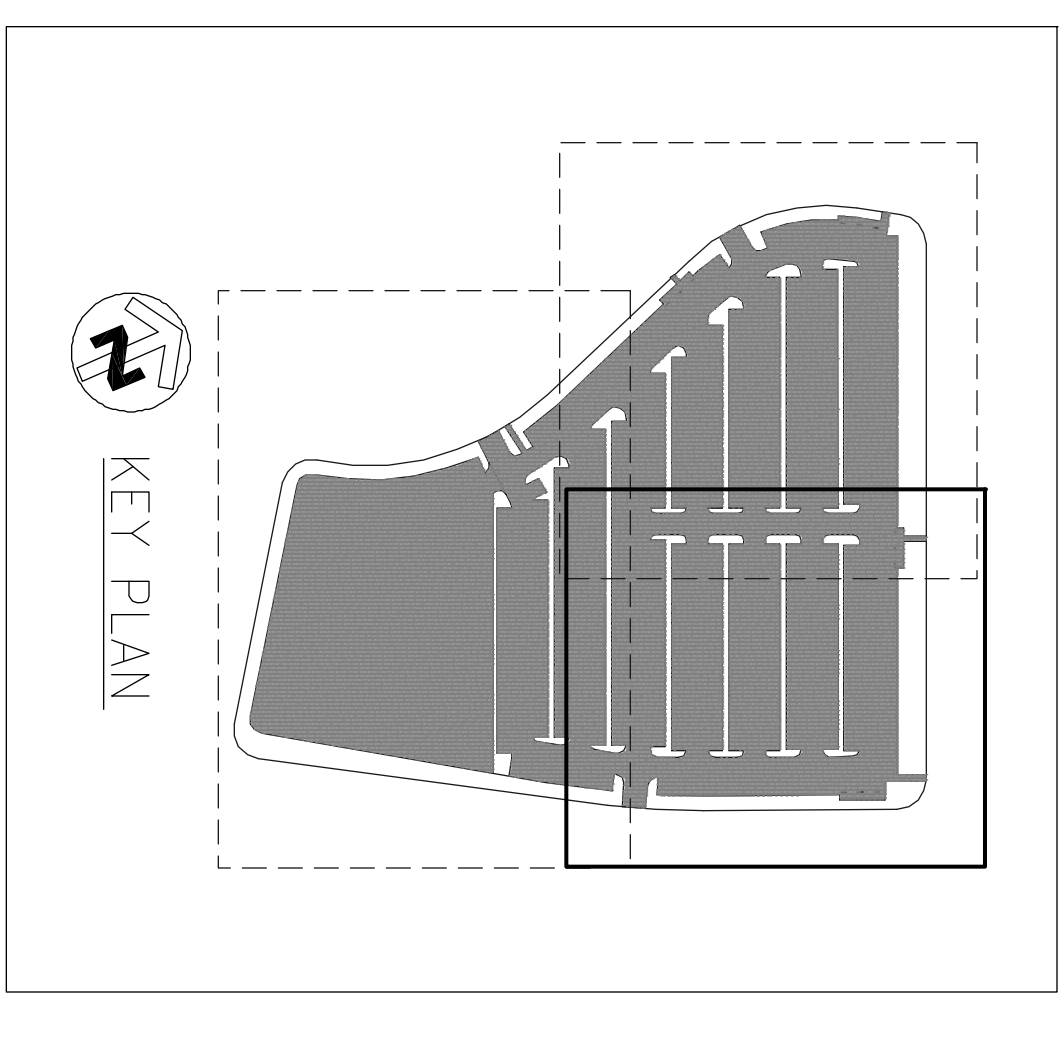
MATCH LINE - SEE SHEET C-21

MATCH LINE - SEE SHEET C-23
SIGNAGE AND STRIPING PLAN
PLANO PARKING LOT "B"

SCALE: 1" = 20'

AHUI STREET (CITY)

LALO STREET (CITY)



- NOTES:
1. FOR STOP BAR/LANE LINE, SEE DETAIL (C-29)
 2. FOR ADA PARKING DETAIL, SEE DETAIL (C-30)
 3. FOR SIGN & POST DETAIL, SEE DETAIL (C-30)
 4. FOR PAVEMENT ARROW, SEE DETAIL (C-29)
 5. FOR SITE LAYOUT, SEE SHEETS C-18 THRU C-20.
 6. FOR TRAFFIC SIGN DETAILS, SEE DETAIL (C-30)

4/30/12

 JASON H. LIM
 LICENSED PROFESSIONAL ENGINEER
 NO. 9360-C
 STATE OF HAWAII

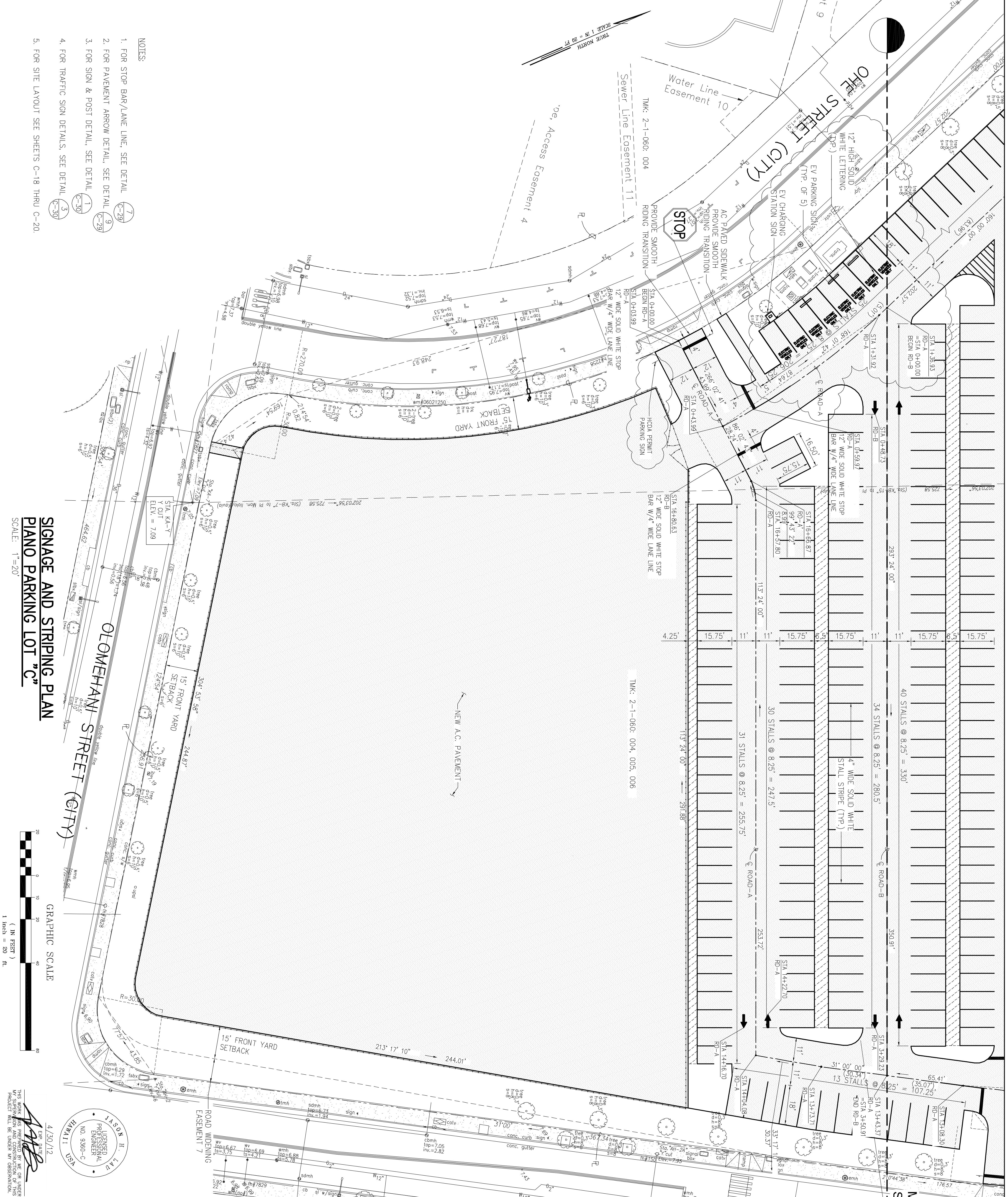
REV	DATE	DESCRIPTION	BY	APPR

THE LIMTIACO CONSULTING GROUP
 CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
 696 KUALA OAHU, HAWAII
 HONOLULU, OAHU, HAWAII
 PHONE: (808) 596-7700 • FAX: (808) 596-2800

HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MUKAI
SIGNAGE AND STRIPING PLAN
PLANO PARKING LOT "B"

DRAWN BY: KK
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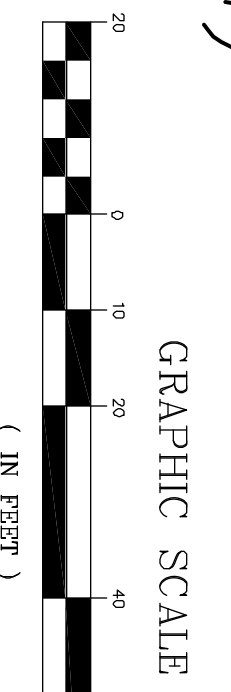
EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY



- NOTES:
1. FOR STOP BAR/LANE LINE, SEE DETAIL (C-29)
 2. FOR PAVEMENT ARROW DETAIL, SEE DETAIL (C-29)
 3. FOR SIGN & POST DETAIL, SEE DETAIL (C-30)
 4. FOR TRAFFIC SIGN DETAILS, SEE DETAIL (C-30)
 5. FOR SITE LAYOUT SEE SHEETS C-18 THRU C-20.

SIGNAGE AND STRIPING PLAN
PLANO PARKING LOT "C"

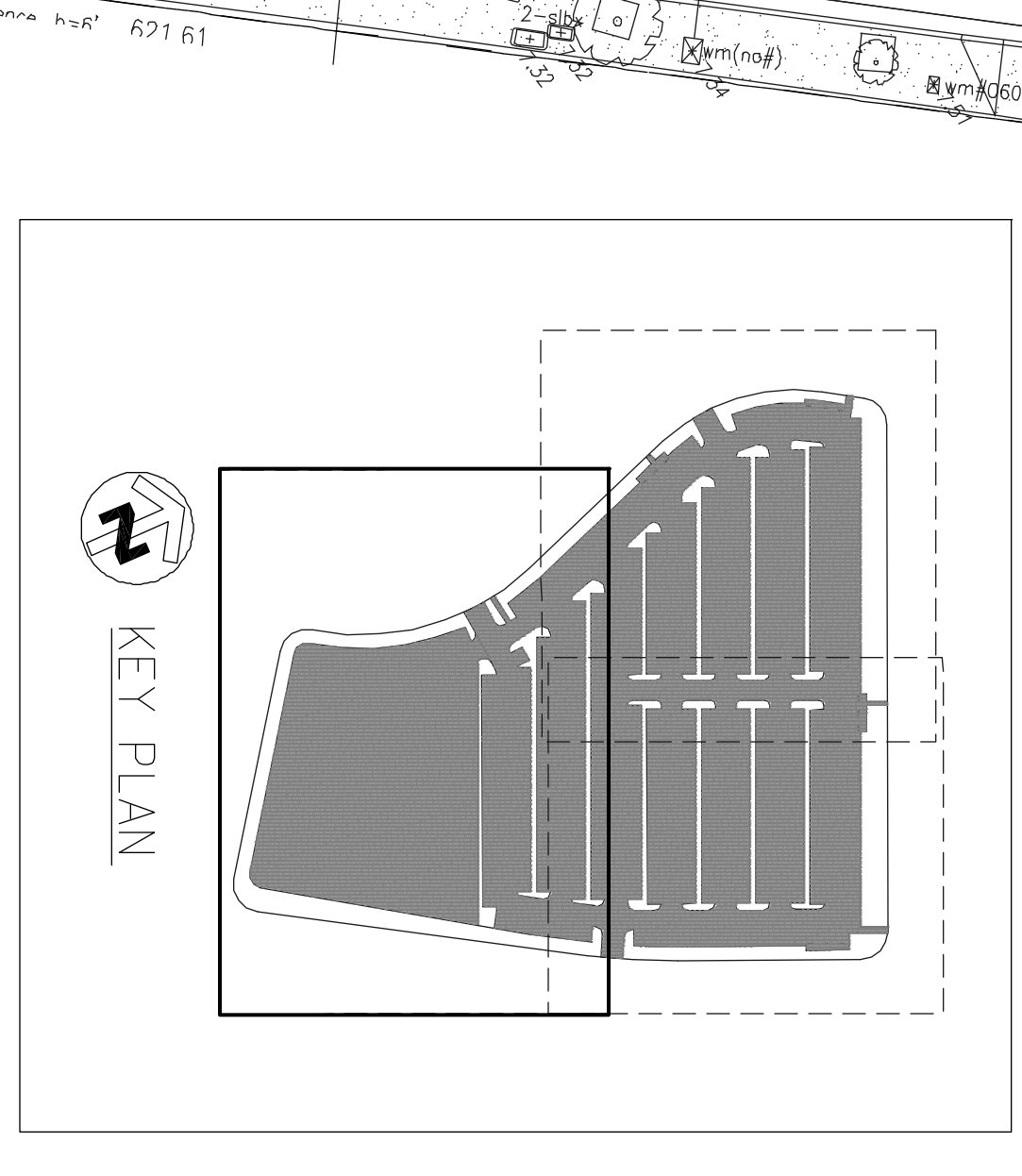
SCALE: 1"=20'



4/30/12
 THE WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER.
 JASON H. LAKE
 LICENSED PROFESSIONAL ENGINEER
 NO. 5360-C
 HAWAII

MATCHLINE - SEE SHEET C-21 & C-22

REV	DATE	DESCRIPTION	BY	APPR

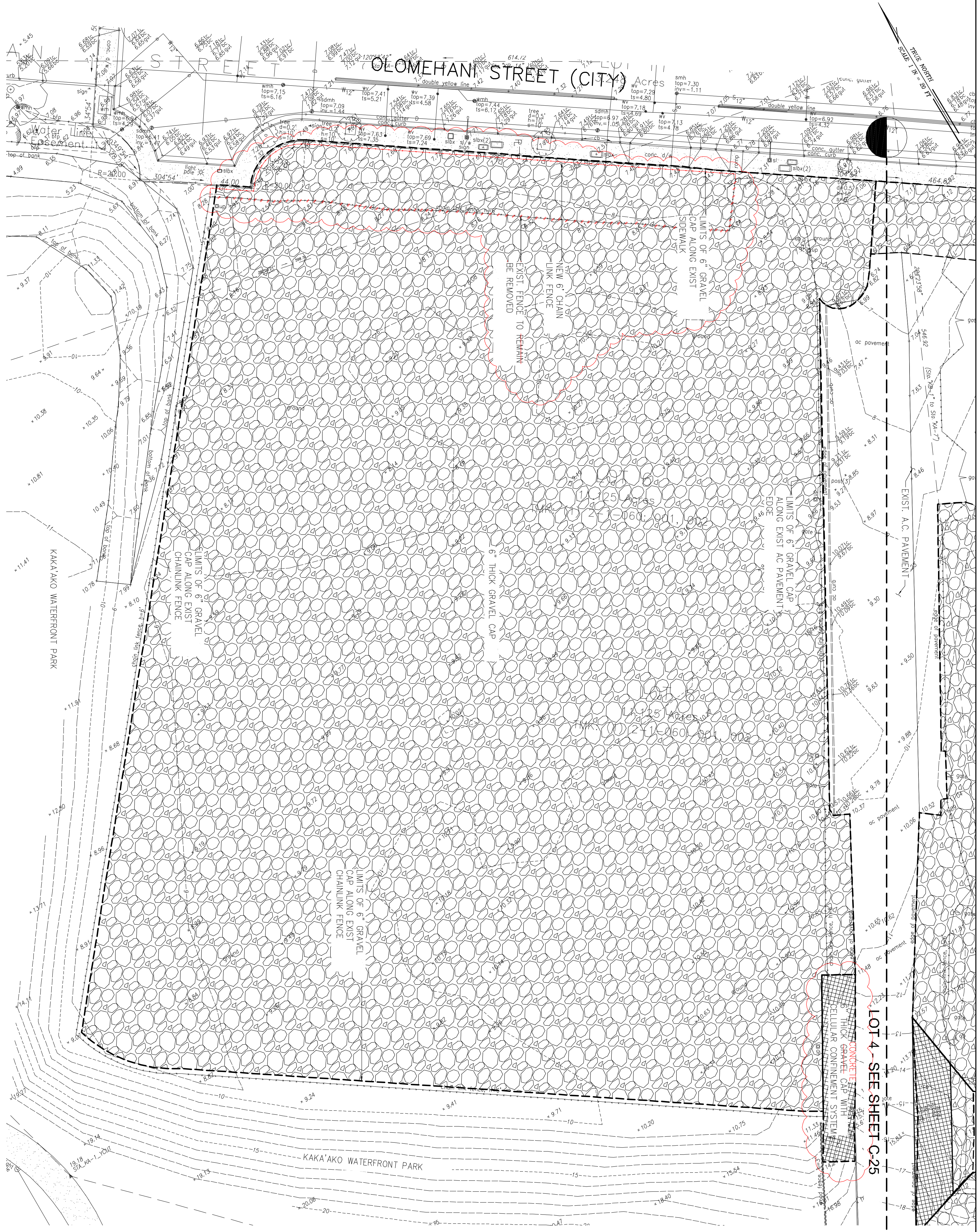


HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI
SIGNAGE AND STRIPING PLAN
PLANO PARKING LOT "C"

DESIGNER: THE LIMTACCO CONSULTING GROUP
 CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
 509 KOLEA DRIVE, HAWAII
 PHONE: (808) 596-7700 • FAX: (808) 596-2600

DRAWN BY: KK
 DES BY: KK
 DATE: JULY 2010
 CHECKED BY: J.

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY



LEGEND:

- LIMITS OF WORK / DISTURBED AREA
- ▨ 6" GRAVEL CAP
- ▨ 6" GRAVEL CAP WITH CELLULAR CONFINEMENT SYSTEM

**SITE PLAN
LOT 2**
SCALE: 1" = 20'

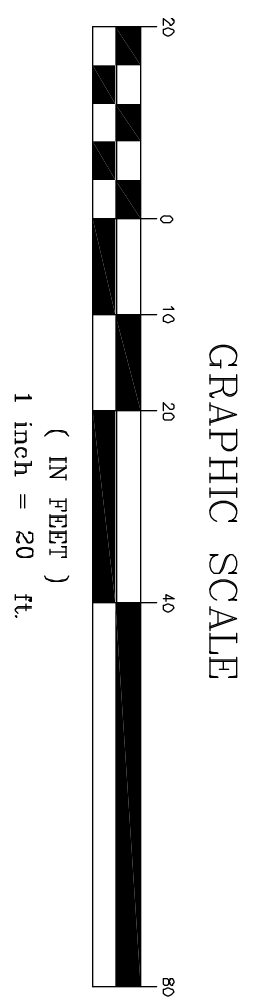
LOT 4 - SEE SHEET C-25

NOTES:

1. CONTRACTOR SHALL ENSURE THAT WORK AT THE SITE DOES NOT CAUSE SIGNIFICANT DETERIORATION OF EXISTING AIR QUALITY. SPECIFICALLY, THE CONTRACTOR SHALL ENSURE COMPLIANCE WITH AMBIENT AIR QUALITY STANDARDS ESTABLISHED IN HAR 11-59 AND SHALL COMPLY WITH AIR POLLUTION CONTROL REQUIREMENTS SPECIFIED IN HAR 11-60.1. IF AT ANY TIME, AREA AIR MONITORING (BY THE CONTRACTOR OR HODA) INDICATES THE PRESENCE OF ELEVATED CONTAMINANT CONCENTRATIONS AT THE PROPERTY BOUNDARY, THE CONTRACTOR SHALL TAKE ADDITIONAL MEASURES, AT NO ADDITIONAL COST TO HODA, TO REMEDY THE EMISSIONS TO LEVELS COMPLYING WITH ALL APPROPRIATE AMBIENT AIR QUALITY STANDARDS OR TO PRE-ESTABLISHED BACKGROUND LEVELS IDENTIFIED BY HODA.
2. CONTRACTOR SHALL VERIFY CONSTRUCTION EXTENTS, LINES, GRADES, DIMENSIONS AND ELEVATIONS INDICATED ON THE DRAWINGS BEFORE ANY CLEARING, EXCAVATION OR CONSTRUCTION BEGINS. BRING ANY DISCREPANCY TO THE ATTENTION OF THE PROJECT MANAGER, AND MAKE ANY CHANGE IN ACCORDANCE WITH THE PROJECT MANAGER INSTRUCTION.
3. THE PROJECT INCLUDES THE INCIDENTAL REMOVAL/ON-SITE RELOCATION OF POTENTIAL CONTAMINATED SOILS AND CAPPING THE SITE SOILS WITH CLEAN IMPORTED MATERIAL, LANDSCAPING AND/OR PAVEMENT. THE CONTRACTOR SHALL COMPLY WITH THE PROJECT'S TECHNICAL SPECIFICATIONS FOR ANY CONSTRUCTION ACTIVITIES THAT INVOLVE THE DISTURBANCE OF EXISTING SITE SOILS AND/OR THAT MAY EXPOSE WORKERS OR THE PUBLIC TO POTENTIALLY CONTAMINATED SOIL. THE CONTRACTOR ALSO SHALL REVIEW THE JUNE 2009 ENVIRONMENTAL HAZARD EVALUATION, KAKA'AKO MAKAII DISTRICT AND THE JUNE 2009 ENVIRONMENTAL HAZARD MANAGEMENT PLAN, KAKA'AKO MAKAII DISTRICT PREPARED BY THE LIMITACO CONSULTING GROUP AND ENVIRONMENTAL TRAINING CENTER, LLC, AS WELL AS HISTORIC REPORTS REFERENCED THEREIN. SUSPECT CONTAMINANTS ASSOCIATED WITH LONG-TERM EXPOSURE HAZARDS AT THE VARIOUS SITES WITHIN THE PROJECT AREA INCLUDE, BUT ARE NOT LIMITED TO, PETROLEUMS, POLYNUCLEAR AROMATIC HYDROCARBONS, AND HEAVY METALS.
4. FOR GRAVEL CAP DETAILS, SEE DET. (C-29)
5. DEMOLISH, REMOVE, AND DECOMMISSION EXISTING MONITORING WELLS IN ACCORDANCE TO DOH HEER OFFICE'S TECHNICAL GUIDANCE MANUAL.

EARTHWORK QUANTITIES:
(FOR LOT 2 ONLY)

EXCAVATION	= 0 C.Y.
EMBANKMENT	= 1,856 C.Y.
AREA TO BE GRADED	= 2.30 ACRES
AREA TO BE DISTURBED	= 2.30 ACRES



REV	DATE	DESCRIPTION	BY	APPR

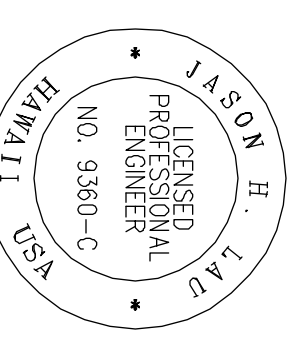
THE LIMITACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
5095 KULUOHAU, HAWAII
PHONE: (808) 596-7700 • FAX: (808) 596-2807

HAWAII COMMUNITY DEVELOPMENT AUTHORITY
STATE OF HAWAII
KAKA'AKO COMMUNITY DEVELOPMENT DISTRICT

REMEDIALTION/CAP/PING AND INTERIM SURFACE PARKING AT KAKA'AKO MAKAII
**SITE PLAN
LOT 2**

DRAWN BY: KK DES BY: KK CHECKED BY: J. DATE: JULY 2010

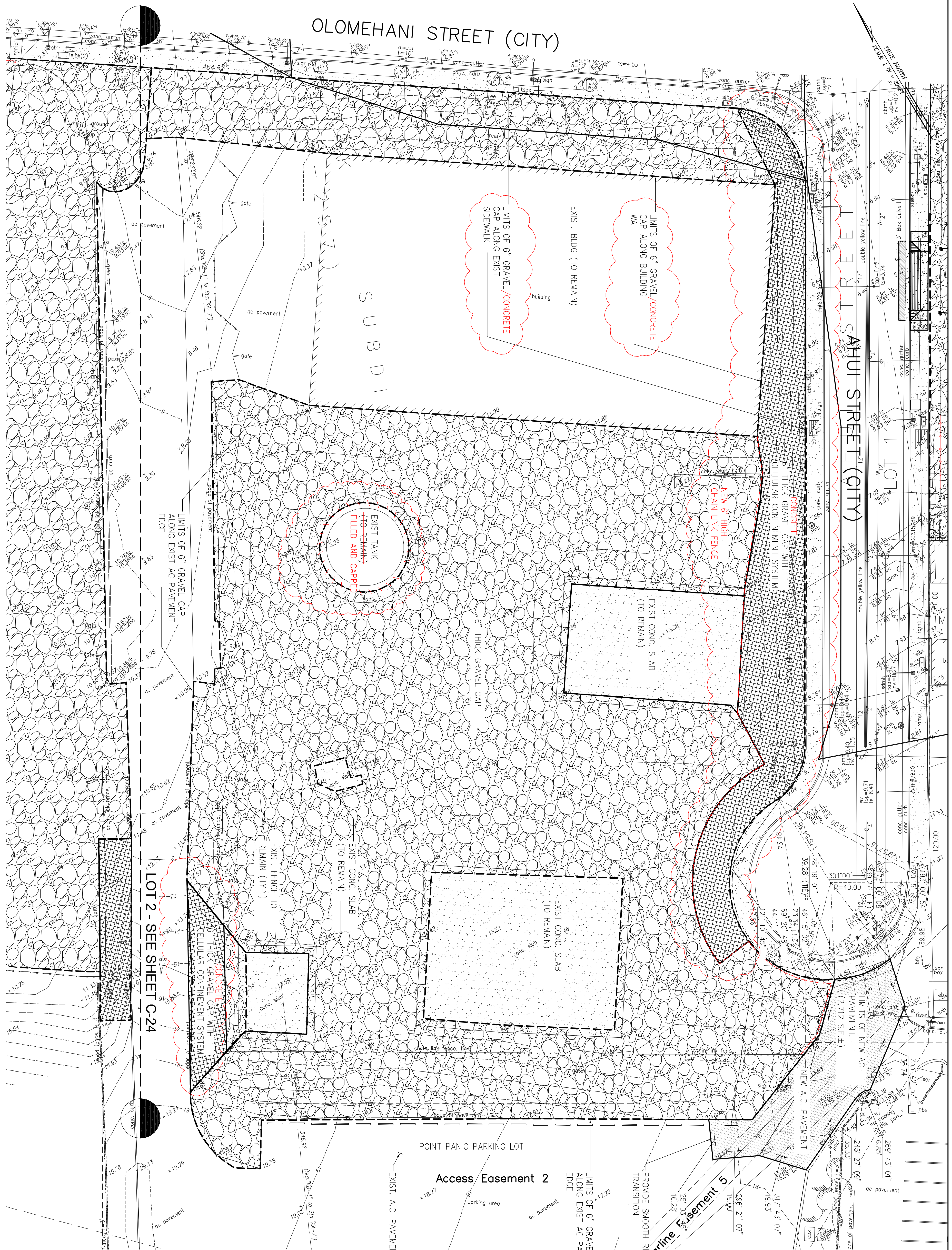
EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY



4/30/12
THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.
ASB

DRAWING C-24

SHEET 27 OF 56



SITE PLAN
LOT 4
SCALE: 1" = 20'

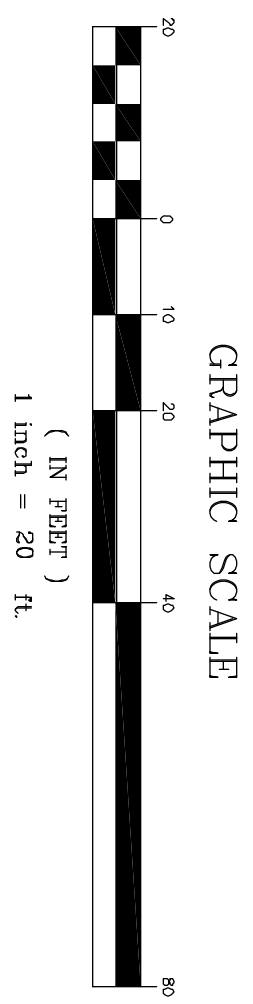
- LEGEND:**
- LIMITS OF WORK / DISTURBED AREA
 - ▨ 6" GRAVEL CAP
 - ▨ 6" GRAVEL CAP WITH CELLULAR CONFINEMENT SYSTEM
 - ▨ AC PAVEMENT

NOTES:

1. CONTRACTOR SHALL ENSURE THAT WORK AT THE SITE DOES NOT CAUSE SIGNIFICANT DEGRADATION OF EXISTING AIR QUALITY. SPECIFICALLY, THE CONTRACTOR SHALL ENSURE COMPLIANCE WITH AMBIENT AIR QUALITY STANDARDS ESTABLISHED IN HAR 11-59 AND SHALL COMPLY WITH AIR POLLUTION CONTROL REQUIREMENTS SPECIFIED IN HAR 11-60.1, IF, AT ANY TIME, AREA AIR MONITORING (BY THE CONTRACTOR OR HDA) INDICATES THE PRESENCE OF ELEVATED CONTAMINANT CONCENTRATIONS AT THE PROPERTY BOUNDARY, THE CONTRACTOR SHALL TAKE ADDITIONAL MEASURES, AT NO ADDITIONAL COST TO HDA, TO REMEDY THE EMISSIONS, TO LEVELS COMPLYING WITH ALL APPROPRIATE AMBIENT AIR QUALITY STANDARDS OR TO PRE-ESTABLISHED BACKGROUND LEVELS IDENTIFIED BY HDA.
2. CONTRACTOR SHALL VERIFY CONSTRUCTION EXTENTS, LINES, GRADES, DIMENSIONS AND ELEVATIONS INDICATED ON THE DRAWINGS BEFORE ANY CLEARING, EXCAVATION OR CONSTRUCTION BEGINS. BRING ANY DISCREPANCY TO THE ATTENTION OF THE PROJECT MANAGER, AND MAKE ANY CHANGE IN ACCORDANCE WITH THE PROJECT MANAGER INSTRUCTION.
3. THE PROJECT INCLUDES THE INCIDENTIAL REMOVAL/ON-SITE RELOCATION OF POTENTIAL CONTAMINATED SOILS AND CAPPING THE SITE SOILS WITH CLEAN IMPORTED MATERIAL, LANDSCAPING AND/OR PAVEMENT. THE CONTRACTOR SHALL COMPLY WITH THE PROJECT'S TECHNICAL SPECIFICATIONS FOR ANY CONSTRUCTION ACTIVITIES THAT INVOLVE THE DISTURBANCE OF EXISTING SITE SOILS AND/OR THAT MAY EXPOSE WORKERS OR THE PUBLIC TO POTENTIALLY CONTAMINATED SOIL. THE CONTRACTOR ALSO SHALL REVIEW THE JUNE 2009 ENVIRONMENTAL HAZARD EVALUATION, KAKAAKO MAKAII DISTRICT AND THE JUNE 2009 ENVIRONMENTAL HAZARD MANAGEMENT PLAN, KAKAAKO MAKAII DISTRICT PREPARED BY THE LIMTIACO CONSULTING GROUP AND ENVROSERVICES & TRAINING CENTER, LLC, AS WELL AS HISTORIC REPORTS REFERENCED THEREIN. SUSPECT CONTAMINANTS ASSOCIATED WITH LONG-TERM EXPOSURE HAZARDS AT THE VARIOUS SITES WITHIN THE PROJECT AREA INCLUDE, BUT ARE NOT LIMITED TO, PETROLEUMS, POLYNUCLEAR AROMATIC HYDROCARBONS, AND HEAVY METALS.
4. FOR GRAVEL CAP DETAILS, SEE DET (1) C-29.
5. DEMOLISH, REMOVE, AND DECOMMISSION EXISTING MONITORING WELLS IN ACCORDANCE TO DOH HEER OFFICE'S TECHNICAL GUIDANCE MANUAL.

EARTHWORK QUANTITIES:
(For Lot 4 only)

EXCAVATION	= 0 C.Y.
EMBANKMENT	= 1,261 C.Y.
AREA TO BE GRADED	= 1.56 ACRES
AREA TO BE DISTURBED	= 1.85 ACRES



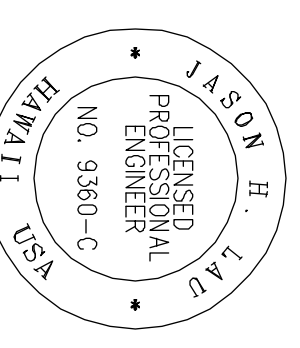
REV	DATE	DESCRIPTION	BY	APPR

THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
5090 KOLEA DRIVE, SUITE 770 • KAKAAKO, HAWAII 96740
PHONE: (808) 596-7700 • FAX: (808) 596-2807

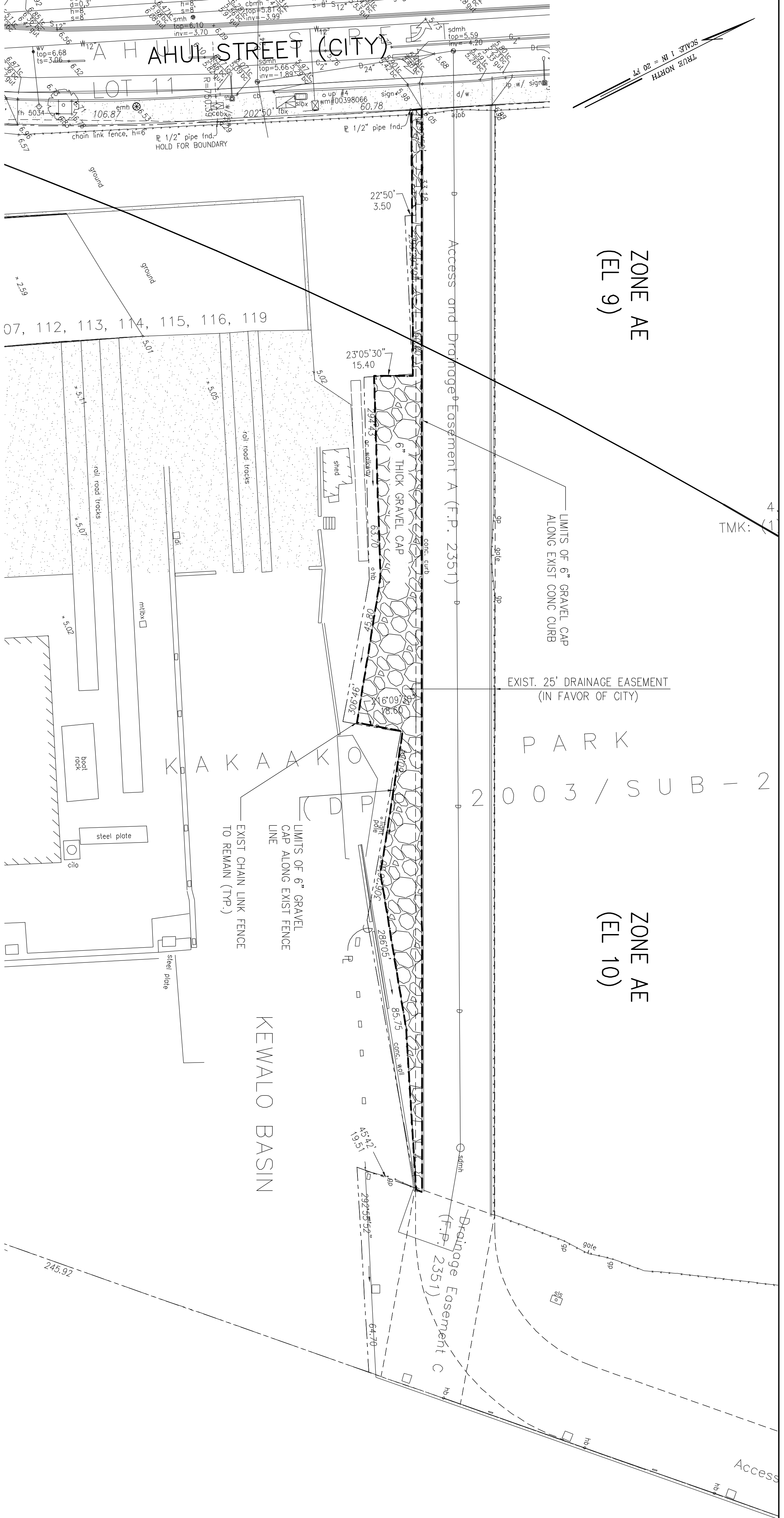
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
STATE OF HAWAII
KAKAAKO COMMUNITY DEVELOPMENT DISTRICT
REMEDIAL/CAP/PAVING AND INTERIM SURFACE PARKING AT KAKAAKO MAKAII
SITE PLAN
LOT 4

DRAWN BY: KK DES BY: KK CHECKED BY: J. DATE: JULY 2010

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY



4/30/12
THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE PROFESSIONAL ENGINEERING ACT OF HAWAII.
ASB



ZONE AE
(EL 9)

ZONE AE
(EL 10)

LEGEND:

- LIMITS OF WORK / DISTURBED AREA
- ▨ 6" GRAVEL CAP

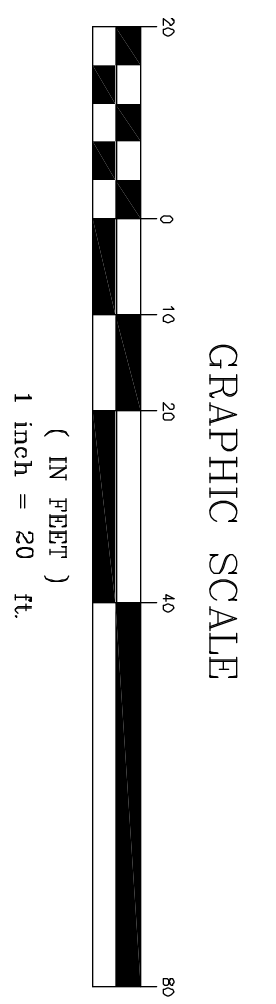
**SITE PLAN
LOT 6**
SCALE: 1" = 20'

NOTES:

1. CONTRACTOR SHALL ENSURE THAT WORK AT THE SITE DOES NOT CAUSE SIGNIFICANT DEGRADATION OF EXISTING AIR QUALITY. SPECIFICALLY, THE CONTRACTOR SHALL ENSURE COMPLIANCE WITH AMBIENT AIR QUALITY STANDARDS ESTABLISHED IN HAR 11-59 AND SHALL COMPLY WITH AIR POLLUTION CONTROL REQUIREMENTS SPECIFIED IN HAR 11-60.1. F, AT ANY TIME, AREA AIR MONITORING (BY THE CONTRACTOR OR HODA) INDICATES THE PRESENCE OF ELEVATED CONTAMINANT CONCENTRATIONS AT THE PROPERTY BOUNDARY, THE CONTRACTOR SHALL TAKE ADDITIONAL MEASURES, AT NO ADDITIONAL COST TO HODA, TO REMEDY THE EMISSIONS, TO LEVELS COMPLYING WITH ALL APPROPRIATE AMBIENT AIR QUALITY STANDARDS OR TO PRE-ESTABLISHED BACKGROUND LEVELS IDENTIFIED BY HODA.
2. CONTRACTOR SHALL VERIFY CONSTRUCTION EXTENTS, LINES, GRADES, DIMENSIONS AND ELEVATIONS INDICATED ON THE DRAWINGS BEFORE ANY CLEARING, EXCAVATION OR CONSTRUCTION BEGINS. BRING ANY DISCREPANCY TO THE ATTENTION OF THE PROJECT MANAGER, AND MAKE ANY CHANGE IN ACCORDANCE WITH THE PROJECT MANAGER INSTRUCTION.
3. THE PROJECT INCLUDES THE INCIDENTAL REMOVAL/ON-SITE RELOCATION OF POTENTIAL CONTAMINATED SOILS AND CAPPING THE SITE SOILS WITH CLEAN IMPORTED MATERIAL, LANDSCAPING AND/OR PAVEMENT. THE CONTRACTOR SHALL COMPLY WITH THE PROJECT'S TECHNICAL SPECIFICATIONS FOR ANY CONSTRUCTION ACTIVITIES THAT INVOLVE THE DISTURBANCE OF EXISTING SITE SOILS AND/OR THAT MAY EXPOSE WORKERS OR THE PUBLIC TO POTENTIALLY CONTAMINATED SOIL. THE CONTRACTOR ALSO SHALL REVIEW THE JUNE 2009 ENVIRONMENTAL HAZARD EVALUATION, KAKAAKO MAKAI DISTRICT AND THE JUNE 2009 ENVIRONMENTAL HAZARD MANAGEMENT PLAN, KAKAAKO MAKAI DISTRICT PREPARED BY THE LIMITACO CONSULTING GROUP AND ENVROSERVICES & TRAINING CENTER, LLC, AS WELL AS HISTORIC REPORTS REFERENCED THEREIN. SUSPECT CONTAMINANTS ASSOCIATED WITH LONG-TERM EXPOSURE HAZARDS AT THE VARIOUS SITES WITHIN THE PROJECT AREA INCLUDE, BUT ARE NOT LIMITED TO, PETROLEUMS, POLYNUCLEAR AROMATIC HYDROCARBONS, AND HEAVY METALS.
4. FOR GRAVEL CAP DETAILS, SEE DET. 

EARTHWORK QUANTITIES:
(FOR LOT 6 ONLY)

EXCAVATION	= 0 C.Y.
EMBANKMENT	= 56 C.Y.
AREA TO BE GRADED	= 0.07 ACRES
AREA TO BE DISTURBED	= 0.07 ACRES



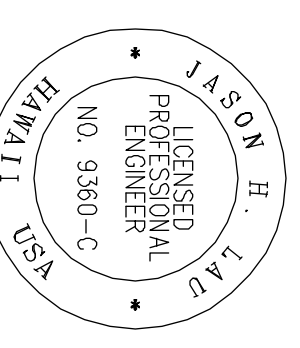
REV	DATE	DESCRIPTION	BY	APPR

THE LIMITACO CONSULTING GROUP
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5090 KOLEA DRIVE, SUITE 770 • KAAHULU, OAHU, HAWAII 96756
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HAWAII COMMUNITY DEVELOPMENT AUTHORITY
STATE OF HAWAII
KAKAAKO COMMUNITY DEVELOPMENT DISTRICT
REMEDIAL/CAP/PING AND INTERIM SURFACE PARKING AT KAKAAKO MAKAI
LOT 6
SITE PLAN

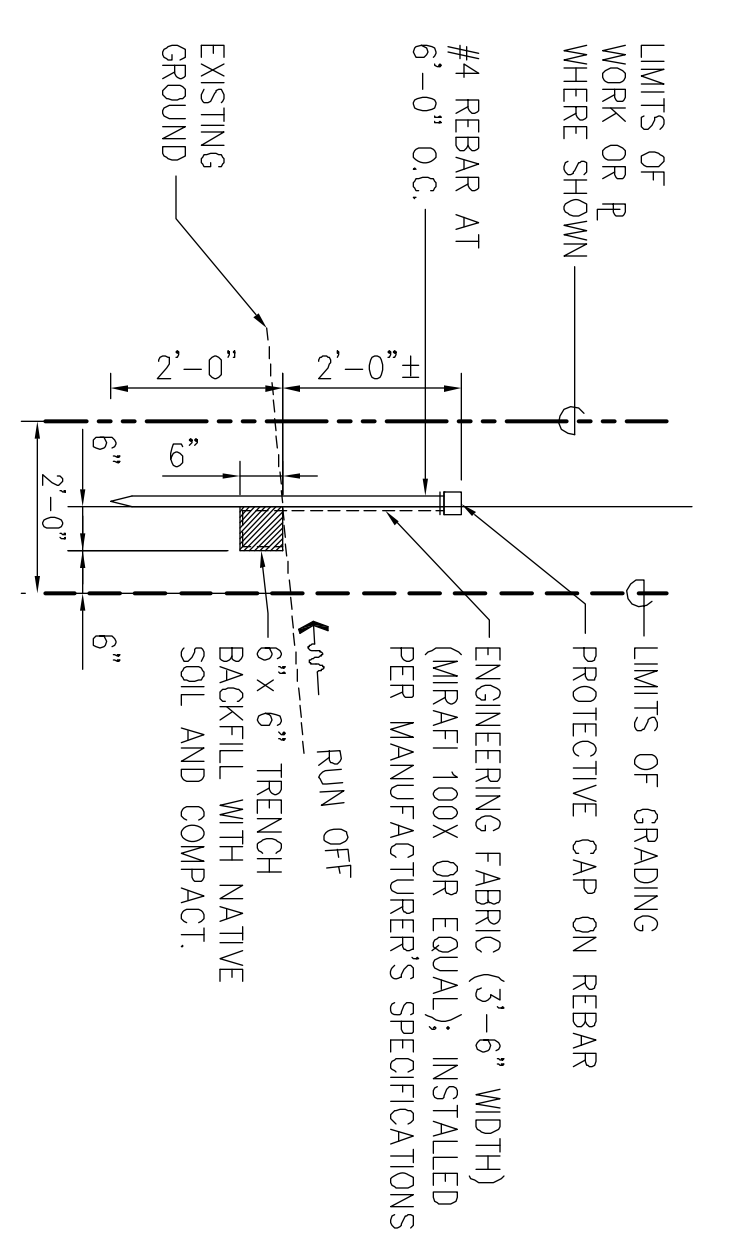
DRAWN BY: KK
DATE: JULY 2010
CHECKED BY: J. A.

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY

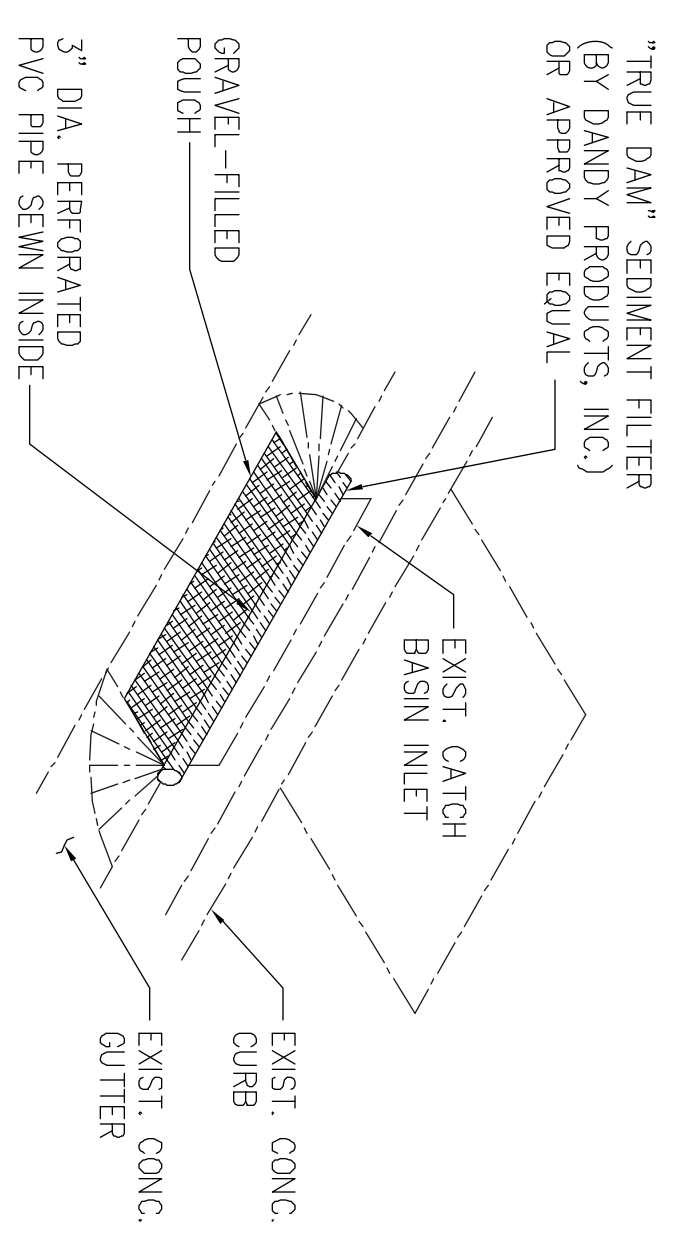


4/30/12
THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.
DATE: 4/30/12

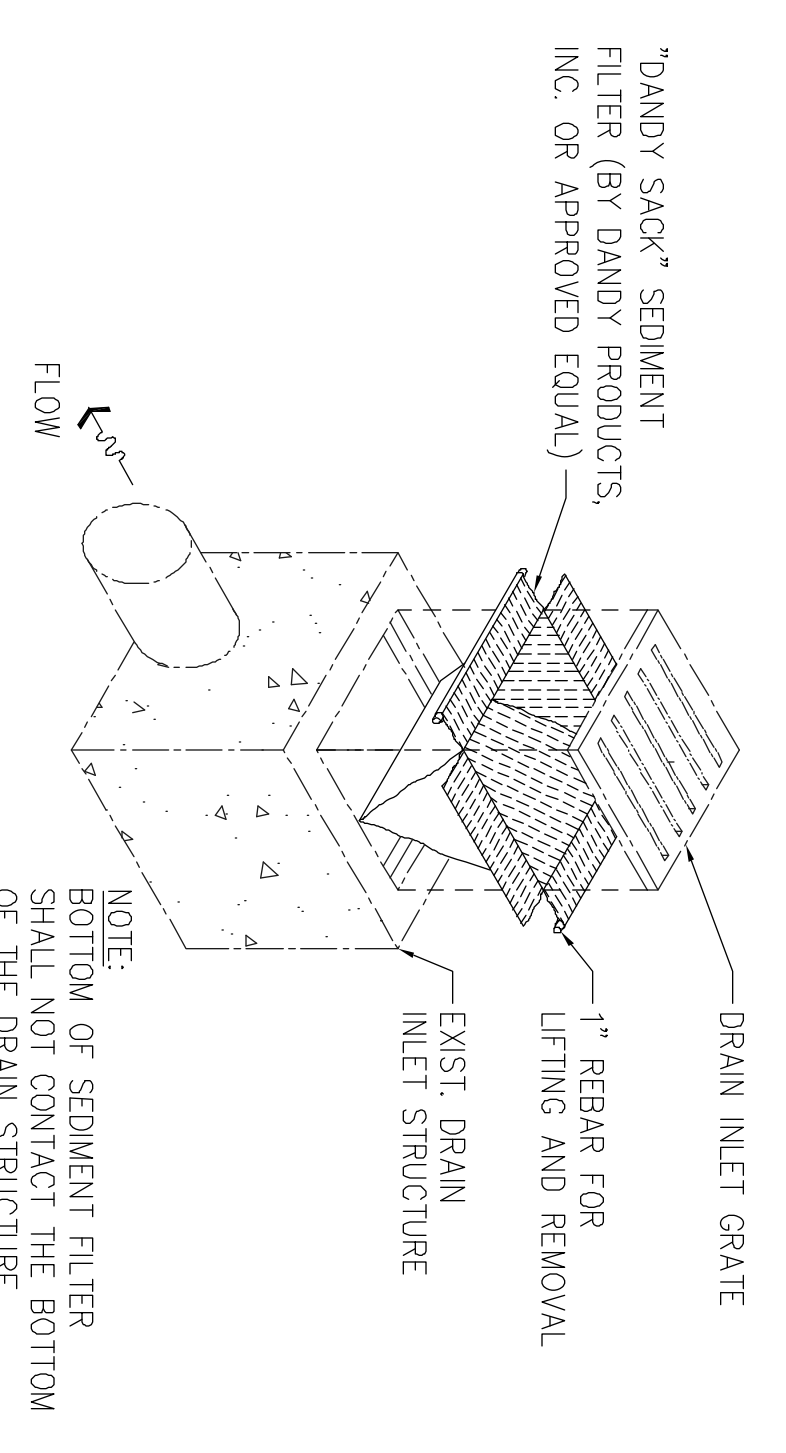
DRAWING C-29



1 TYPICAL SILT FENCE DETAIL
 C-28 SCALE: NOT TO SCALE

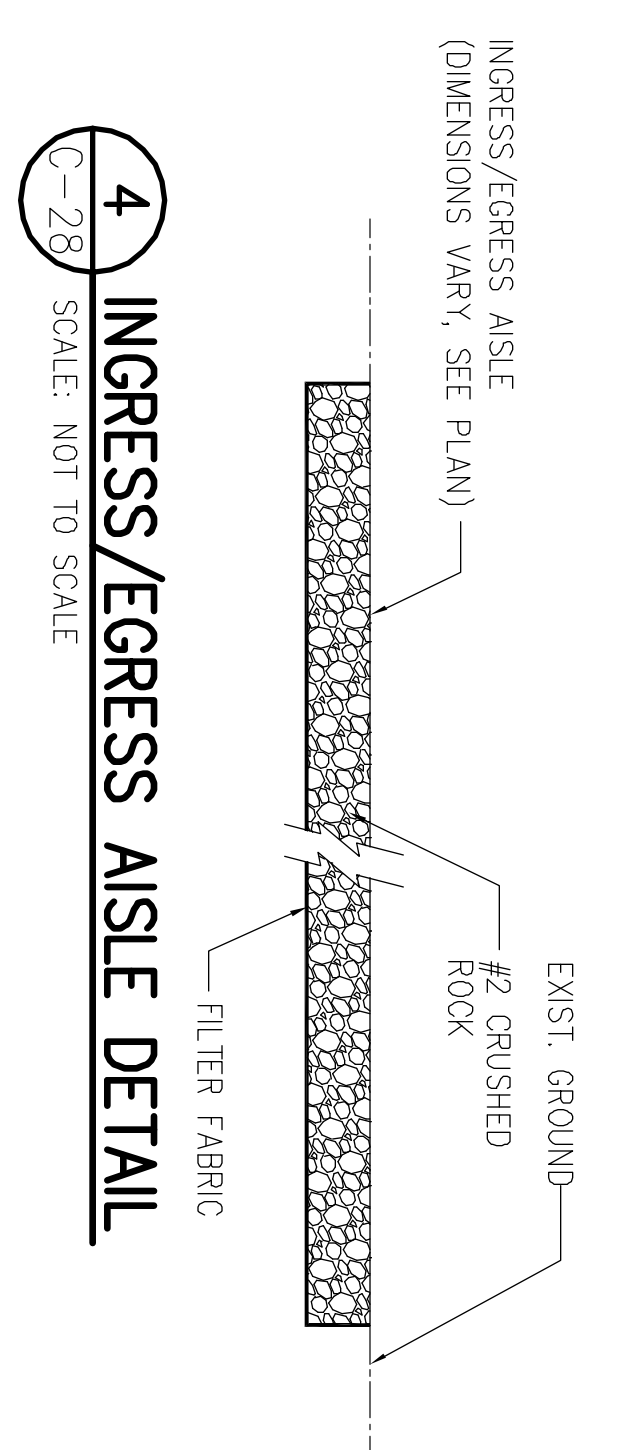


2 CATCH BASIN PROTECTION DETAIL
 C-28 SCALE: NOT TO SCALE

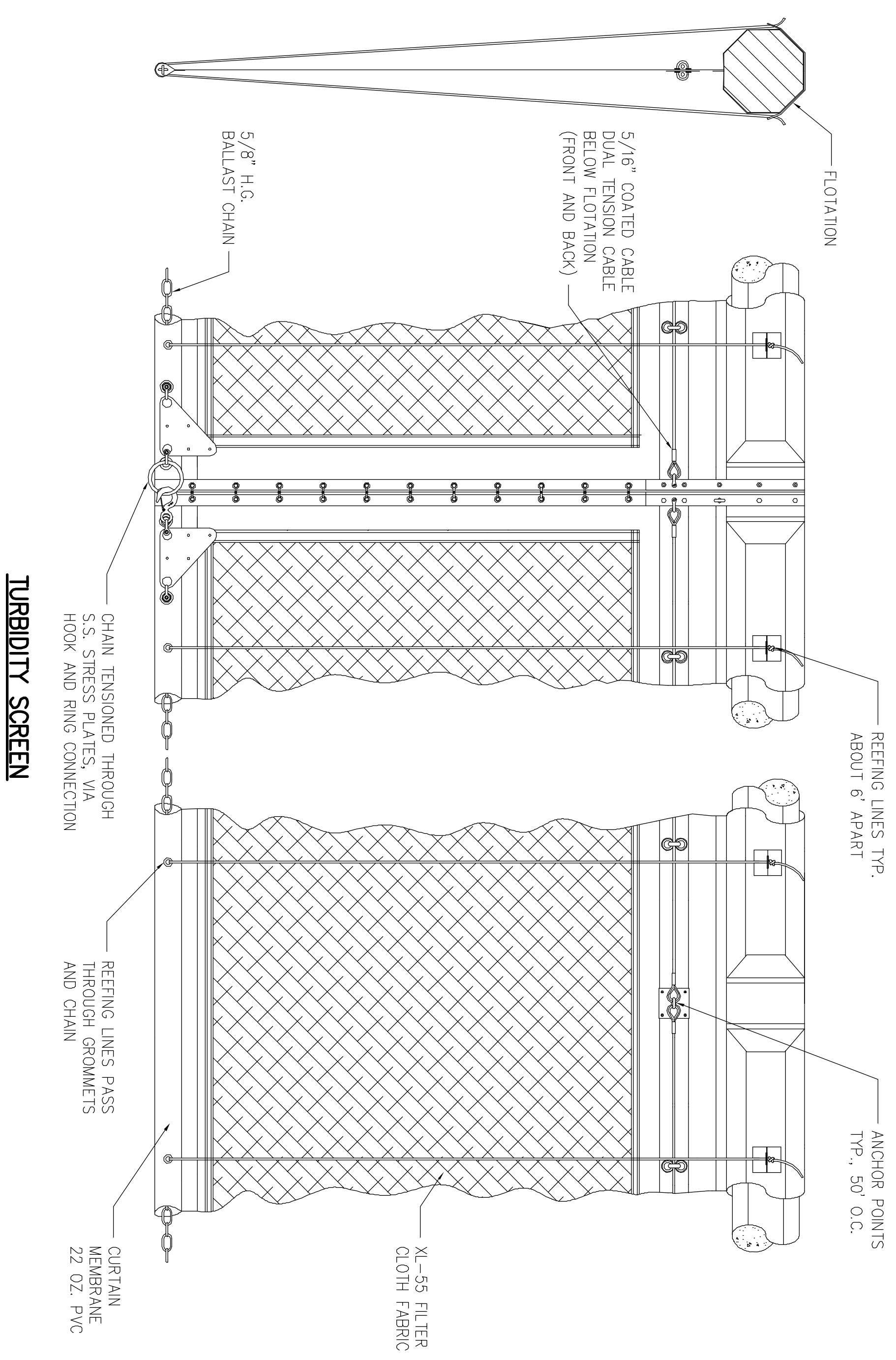


3 DRAIN INLET PROTECTION DETAIL
 C-28 SCALE: NOT TO SCALE

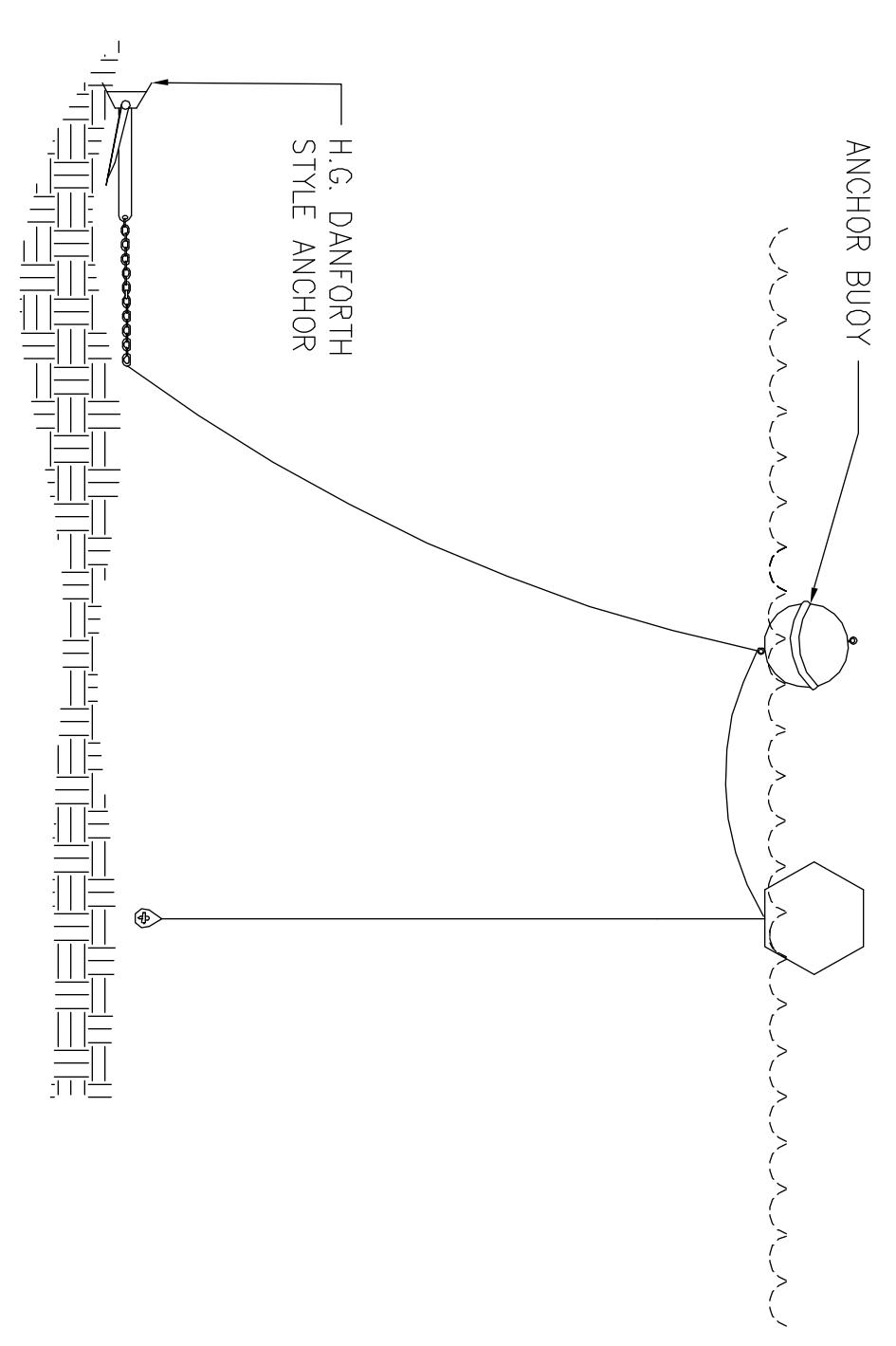
- DRAIN INLET/CATCH BASIN/INLET STRUCTURE PROTECTION NOTES:**
1. CONTRACTOR SHALL INSTALL SEDIMENT FILTER DEVICES AT DRAIN INLETS, CATCH BASINS, AND INLET STRUCTURES INDICATED TO PREVENT SOIL OR DEBRIS IN ANY FORM FROM ENTERING THE DRAINAGE SYSTEM. COST FOR INSTALLATION OF FILTERS SHALL BE INCIDENTAL TO EXCAVATION WORK.
 2. ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY.
 3. CATCH BASIN, DRAIN INLET, AND INLET STRUCTURE PROTECTION DEVICES SHALL BE REMOVED DURING PERIODS OF ABOVE NORMAL RAINFALL THEN REPLACED AFTER THE EVENT HAS PASSED.
 4. AT THE END OF THE PROJECT, EXISTING CATCH BASINS, DRAIN INLETS, AND INLET STRUCTURES ADJACENT TO THE PROJECT SHALL BE INSPECTED AND ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND IN THE CATCH BASINS SHALL BE REMOVED. FLUSHING INTO THE CATCH BASINS IS PROHIBITED.



4 INGRESS/EGRESS AISLE DETAIL
 C-28 SCALE: NOT TO SCALE

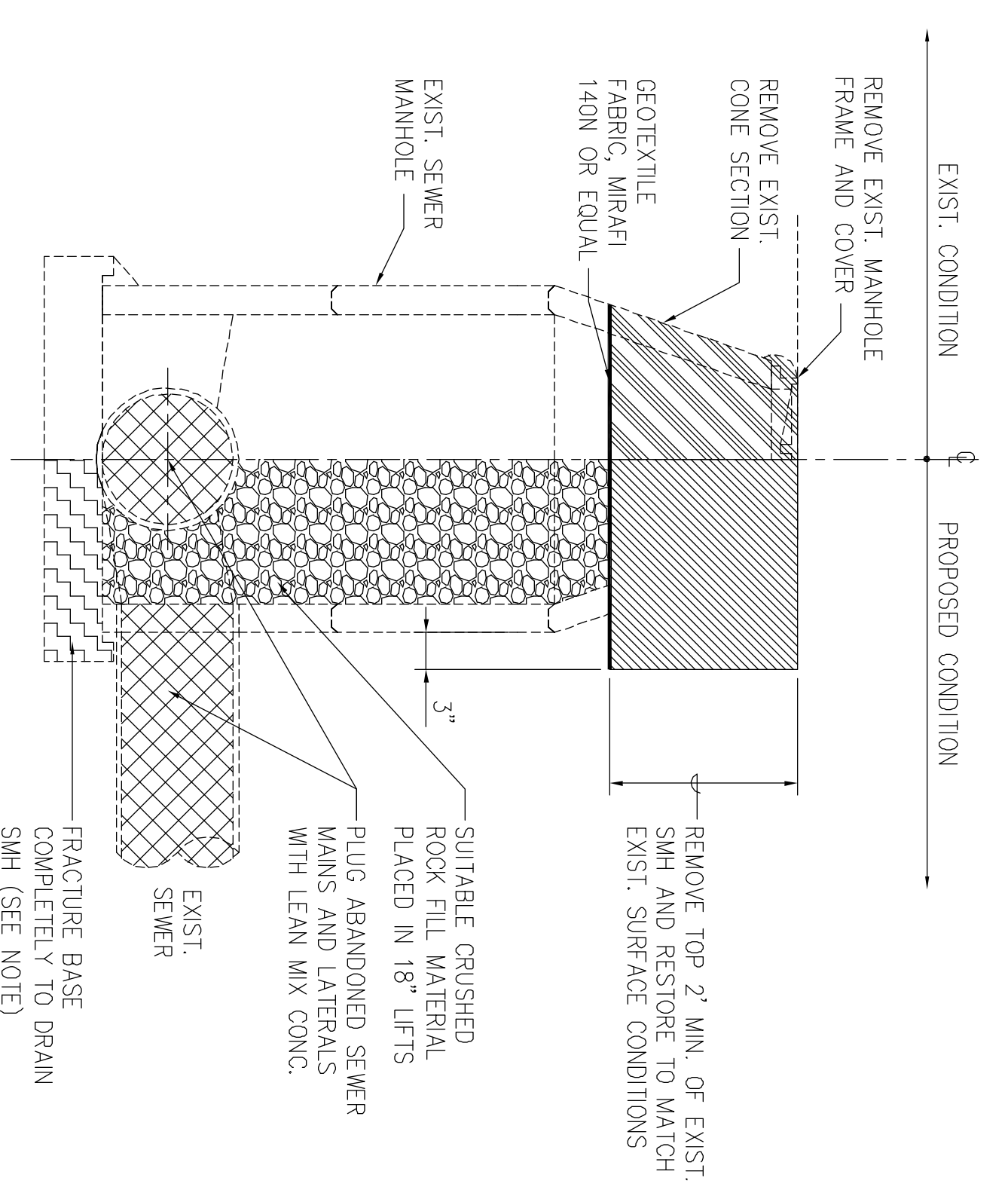


TURBIDITY SCREEN



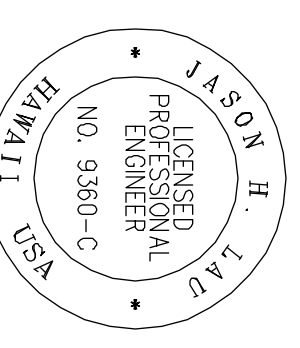
ANCHOR SYSTEM

5 TURBIDITY SCREEN AND ANCHOR DETAIL
 C-28 SCALE: NOT TO SCALE



6 TYPICAL DEMOLITION AND ABANDON-IN-PLACE SMH DETAIL
 C-28 NOT TO SCALE

- NOTES:**
1. PRIOR TO FRACTURING THE BASE, THE CONTRACTOR SHALL THOROUGHLY CLEAN AND DRAIN THE MANHOLE TO ENSURE NO SEWAGE SPILLS INTO THE UNDERLYING SOIL. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER PRIOR TO FRACTURING THE BASE, TO ENSURE ALL PREPARATORY WORK HAS BEEN PERFORMED SATISFACTORILY.



4/30/12
 THE WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER.
 JHL
 JASON H. LAU
 LICENSED PROFESSIONAL ENGINEER
 NO. 9360-C
 HAWAII

REV	DATE	DESCRIPTION	BY	APPR

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HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 HONOLULU, OAHU, HAWAII

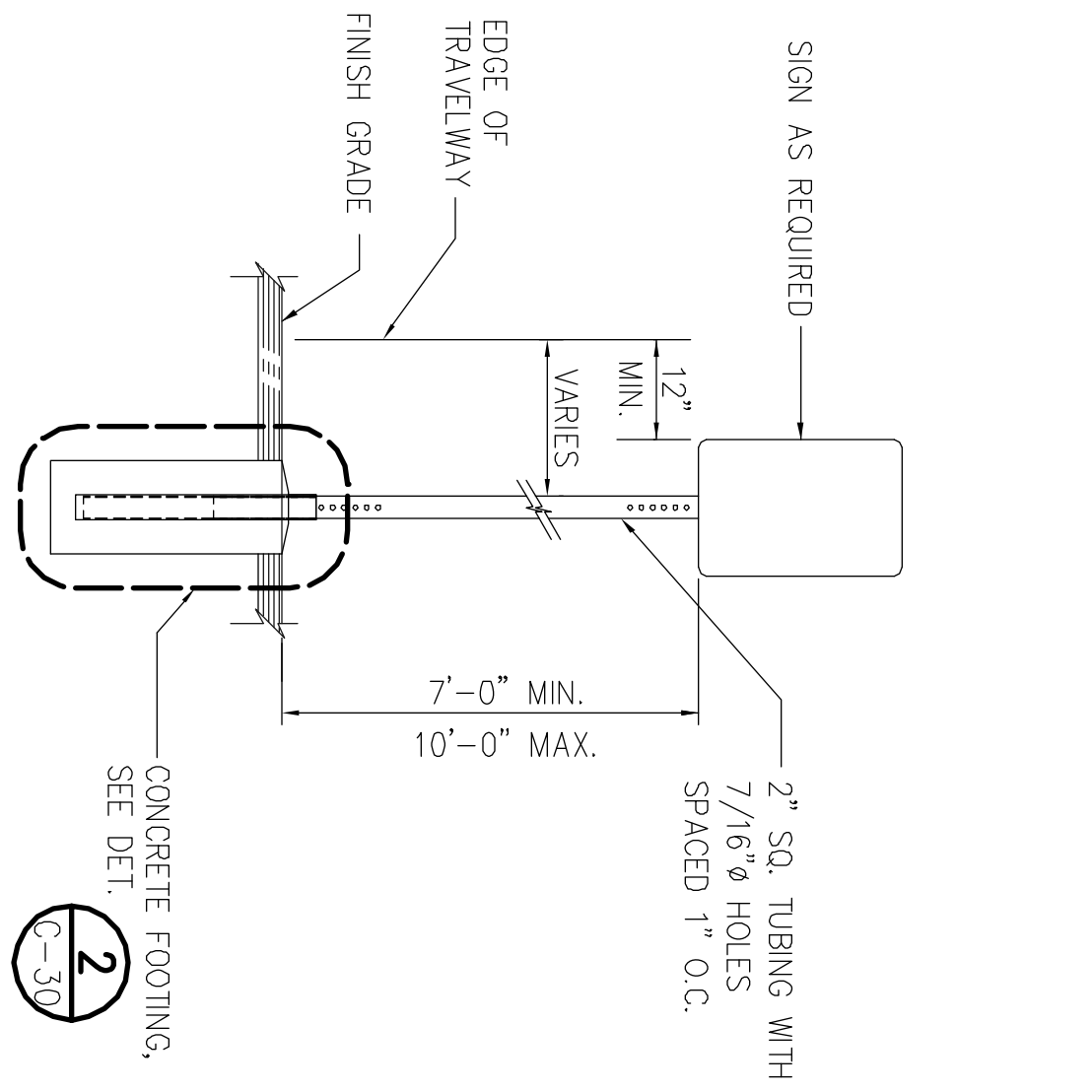
KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI
 CIVIL DETAILS - 1

DRAWN BY: KK DES BY: KK CHECKED BY: JL
 SCALE: DATE: JULY 2010

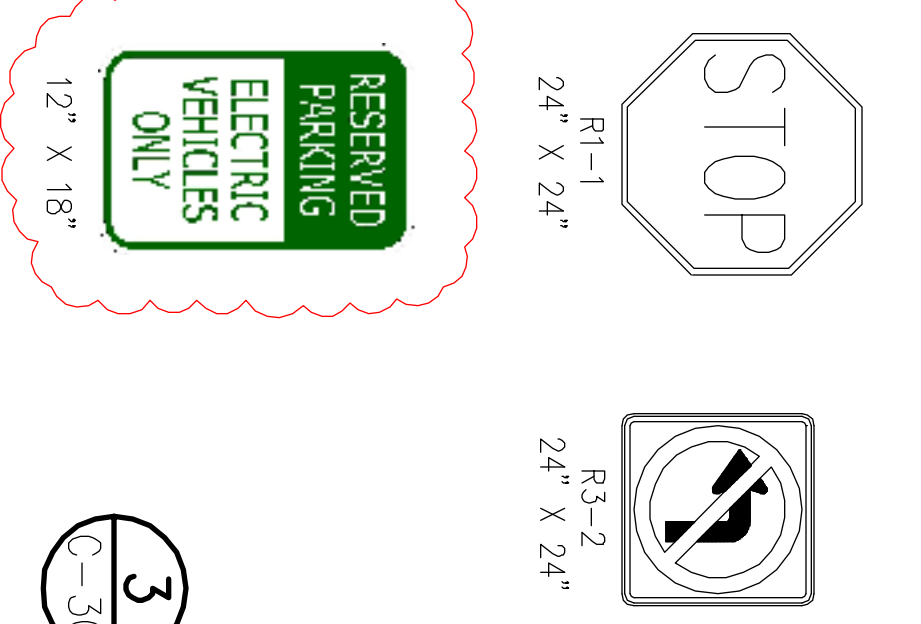
EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY

DRAWING: C-28 SHEET: 31 OF 56

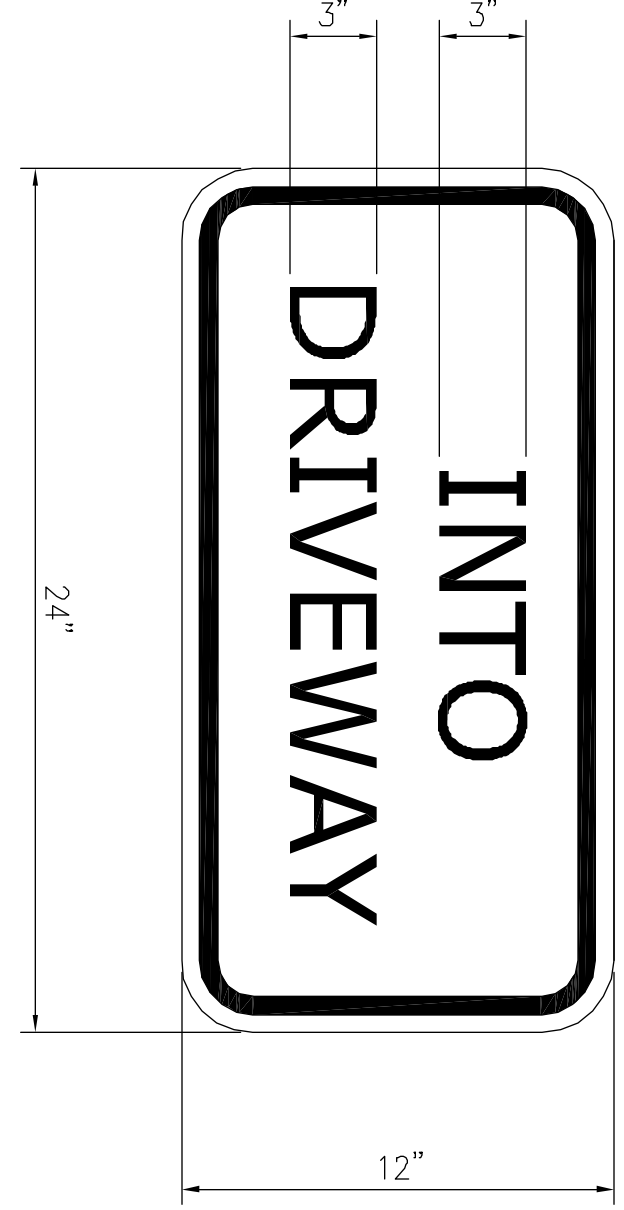
FILE	PROJECT	FOLDER	NO.



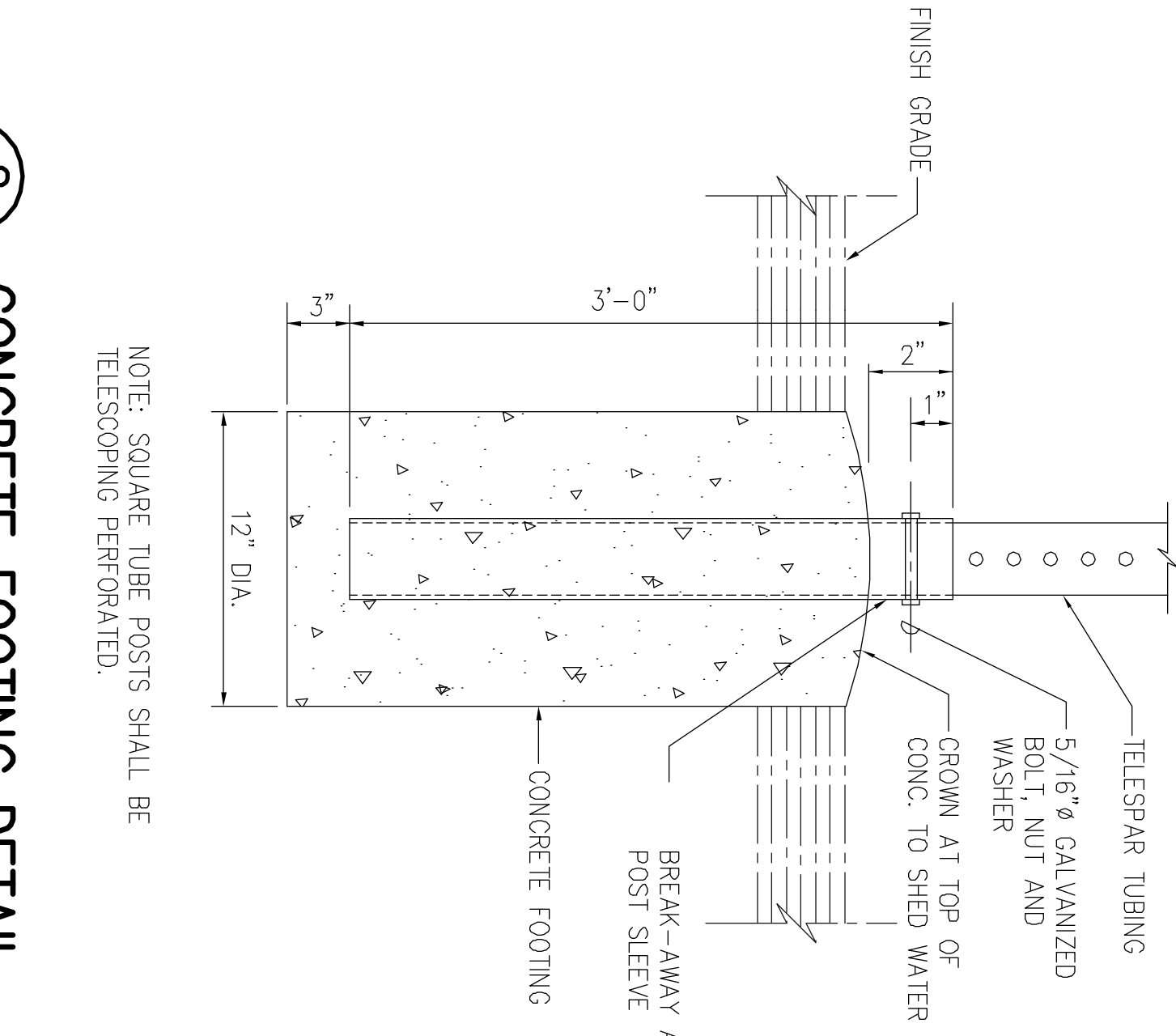
1 SIGN POST DETAIL
NOT TO SCALE



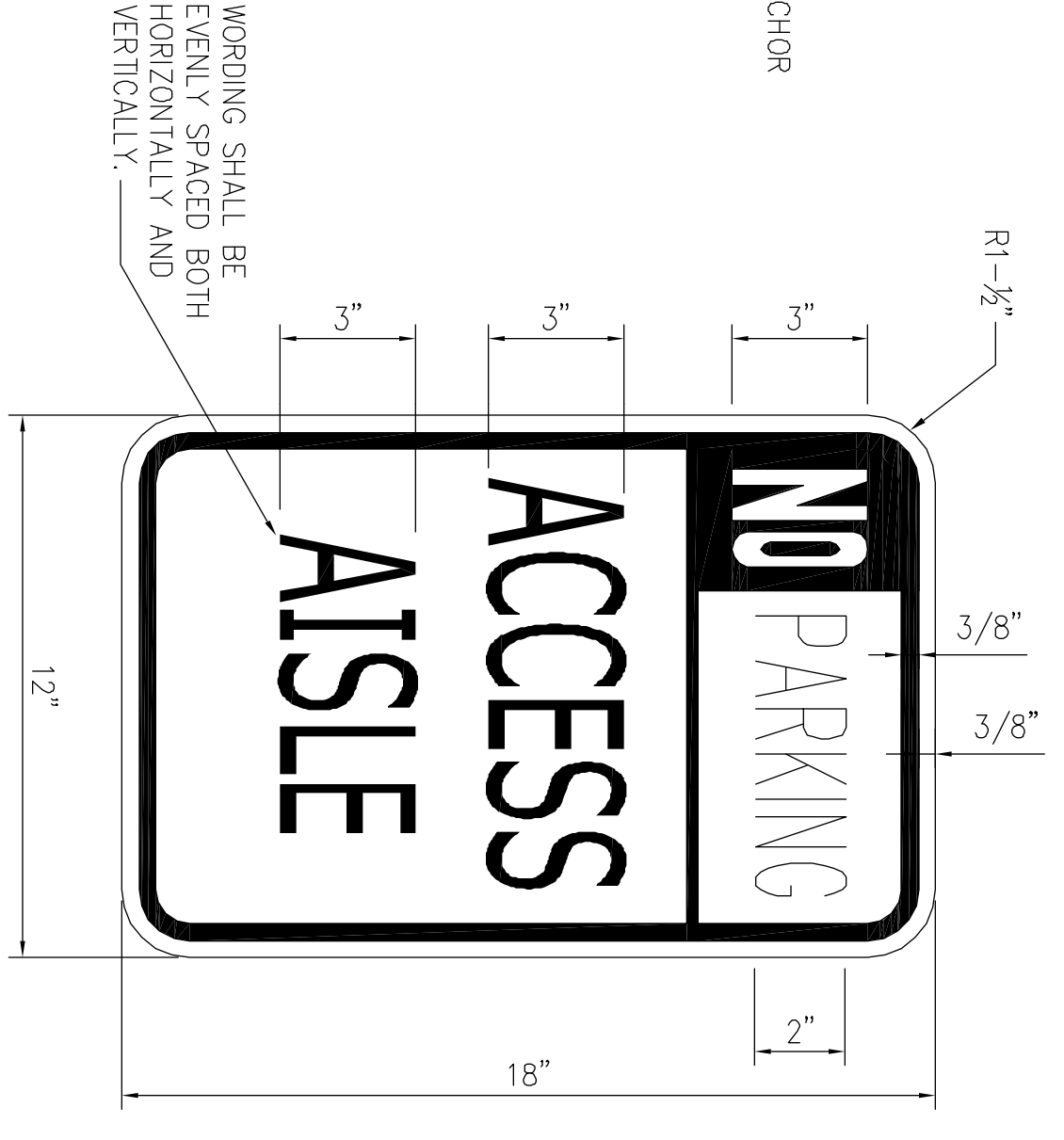
3 TRAFFIC SIGNS
NOT TO SCALE



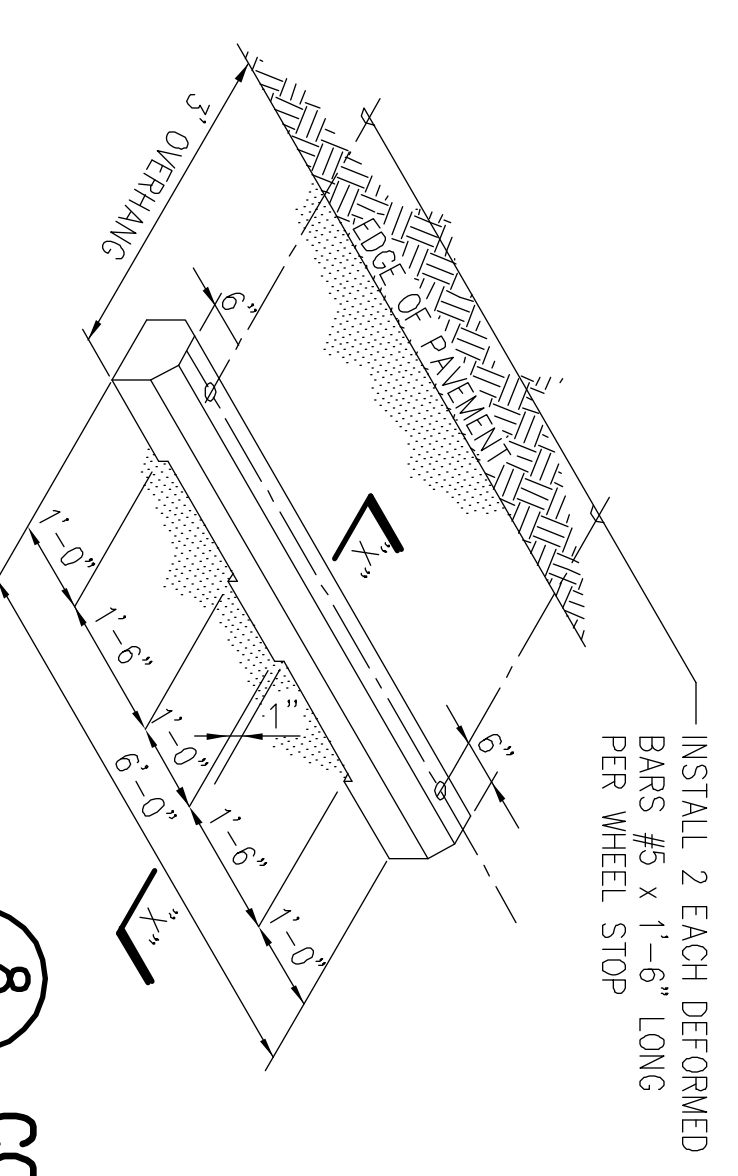
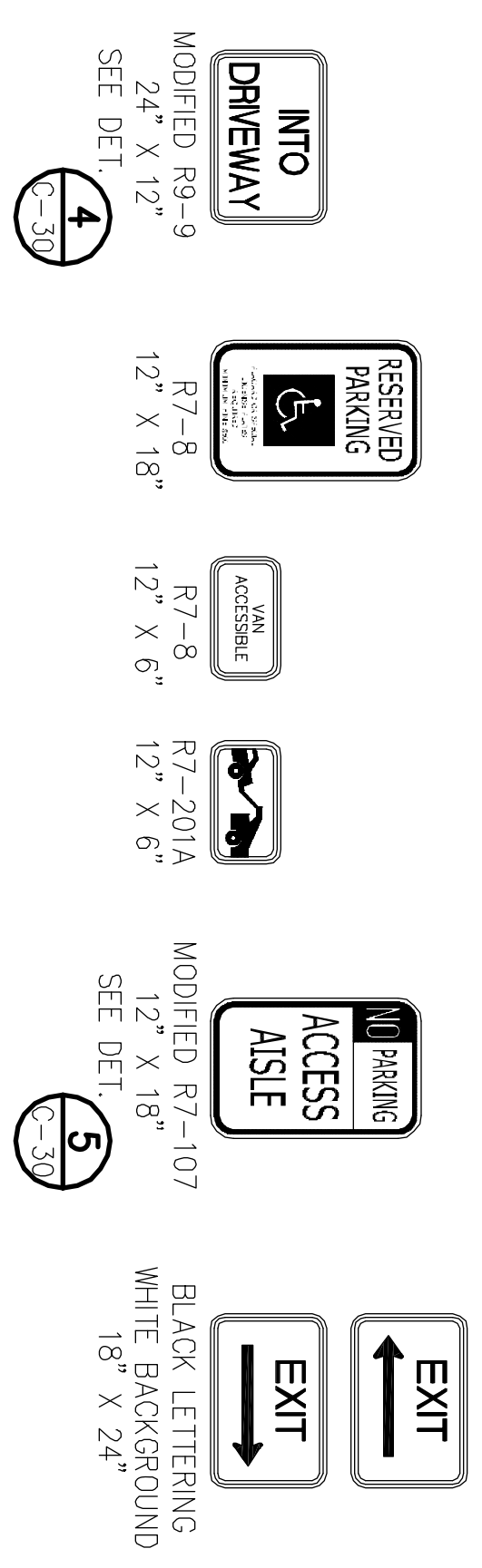
4 MODIFIED R9-9 SIGN DETAIL
NOT TO SCALE



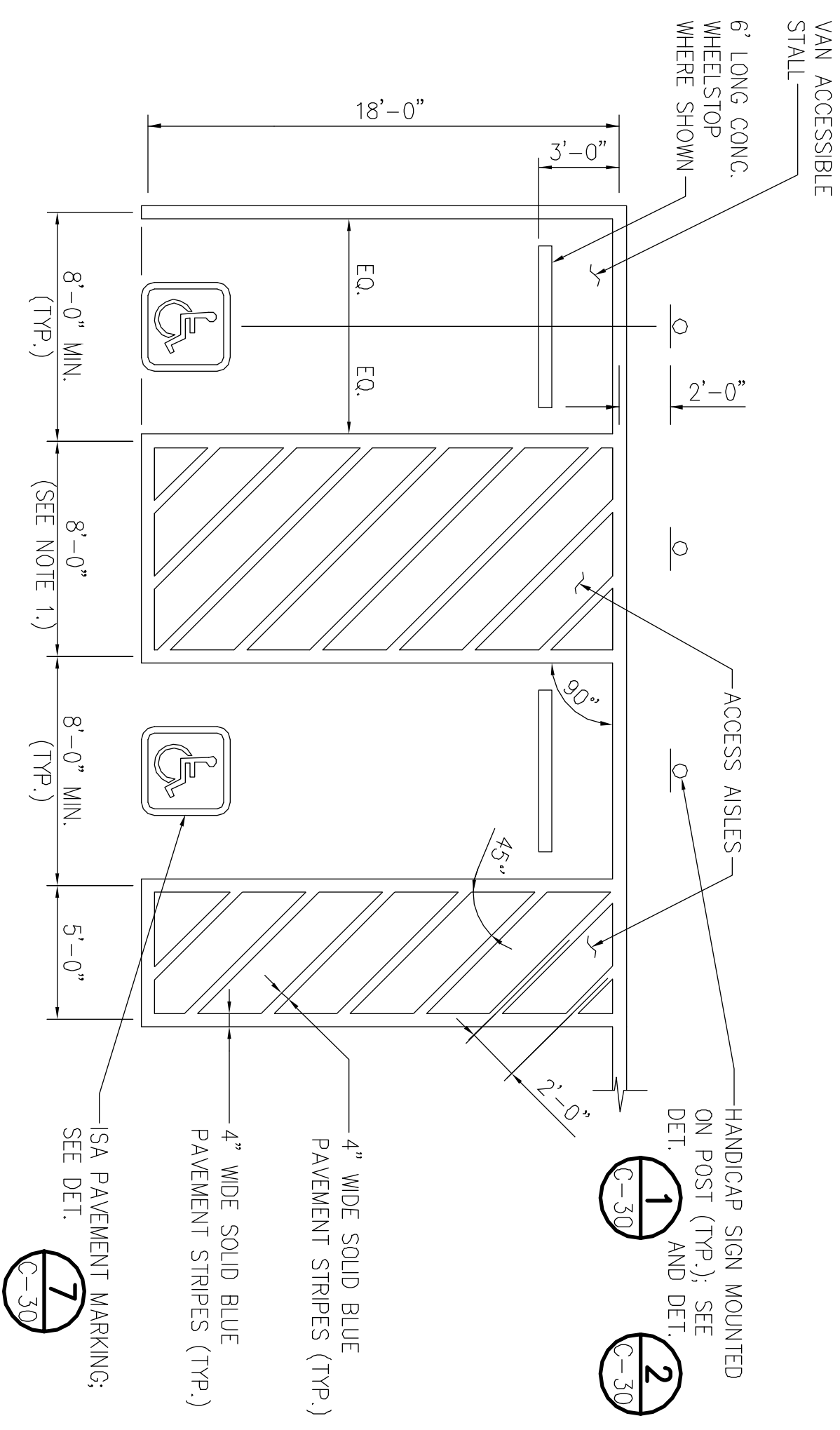
2 CONCRETE FOOTING DETAIL
NOT TO SCALE



5 MODIFIED R7-107 SIGN DETAIL
SCALE: 1/4" = 1"



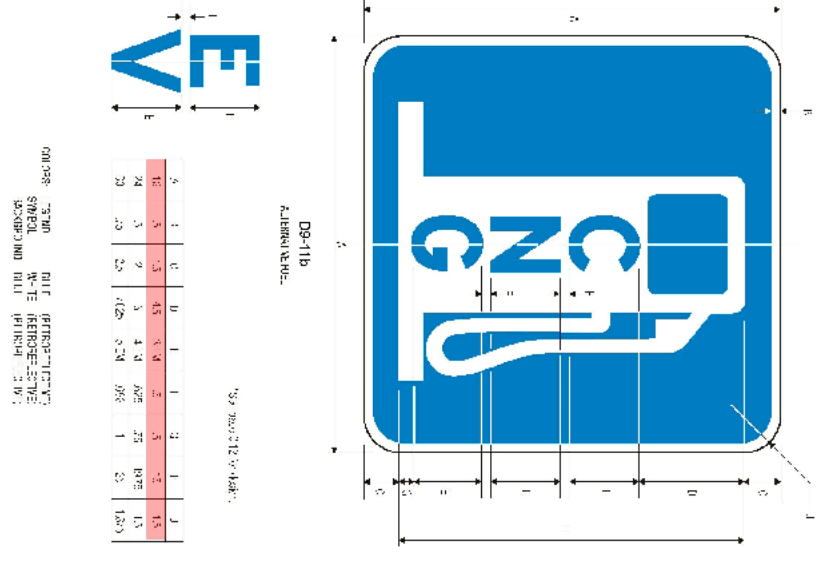
7 ISA PAVEMENT MARKING
NOT TO SCALE



6 HANDICAP PARKING DETAIL
NOT TO SCALE

- NOTES:
- ACCESS AISLES ADJACENT TO VAN ACCESSIBLE STALLS SHALL BE A MINIMUM WIDTH OF 8'-0" OTHERWISE, THE MINIMUM WIDTH OF THE ACCESS AISLE SHALL BE 5'-0".
 - FOR PARKING LOCATED ALONG CURVED PAVEMENT EDGES, THE WIDTHS SHOWN SHALL BE THE MINIMUM ALLOWED WITHIN EACH STALL AND ACCESS AISLE.
 - HANDICAP PARKING STALLS SHALL HAVE SLOPES NOT TO EXCEED 2% IN ANY DIRECTION.

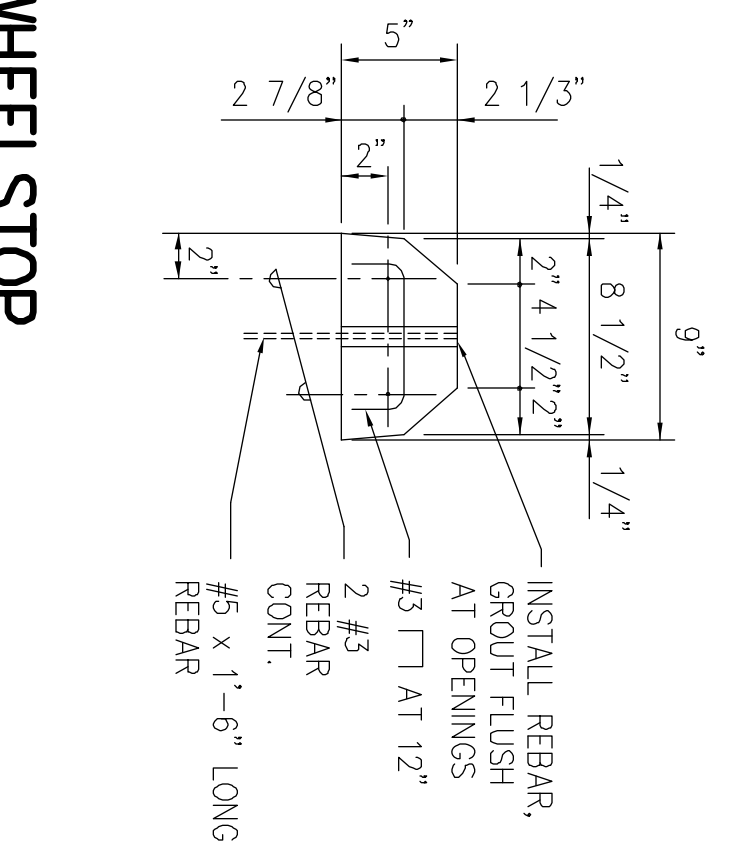
- MODIFIED R7-107 SIGNAGE NOTES:
- SIGN LETTERING SHALL BE UPPER CASE LETTERS ("HIGHWAY C" STYLE).
 - BORDER AND LETTER COLOR SHALL BE RED AGAINST A WHITE BACKGROUND.
 - REFER TO MUTCD 2004 "STANDARD HIGHWAY SIGNS" FOR ADDITIONAL DIMENSIONS OF THE R7-107 SIGN.



9 EV CHARGING STATION SIGN DETAIL
NOT TO SCALE



10 HDA PERMIT PARKING SIGN DETAIL
NOT TO SCALE



8 CONCRETE WHEELSTOP
NOT TO SCALE

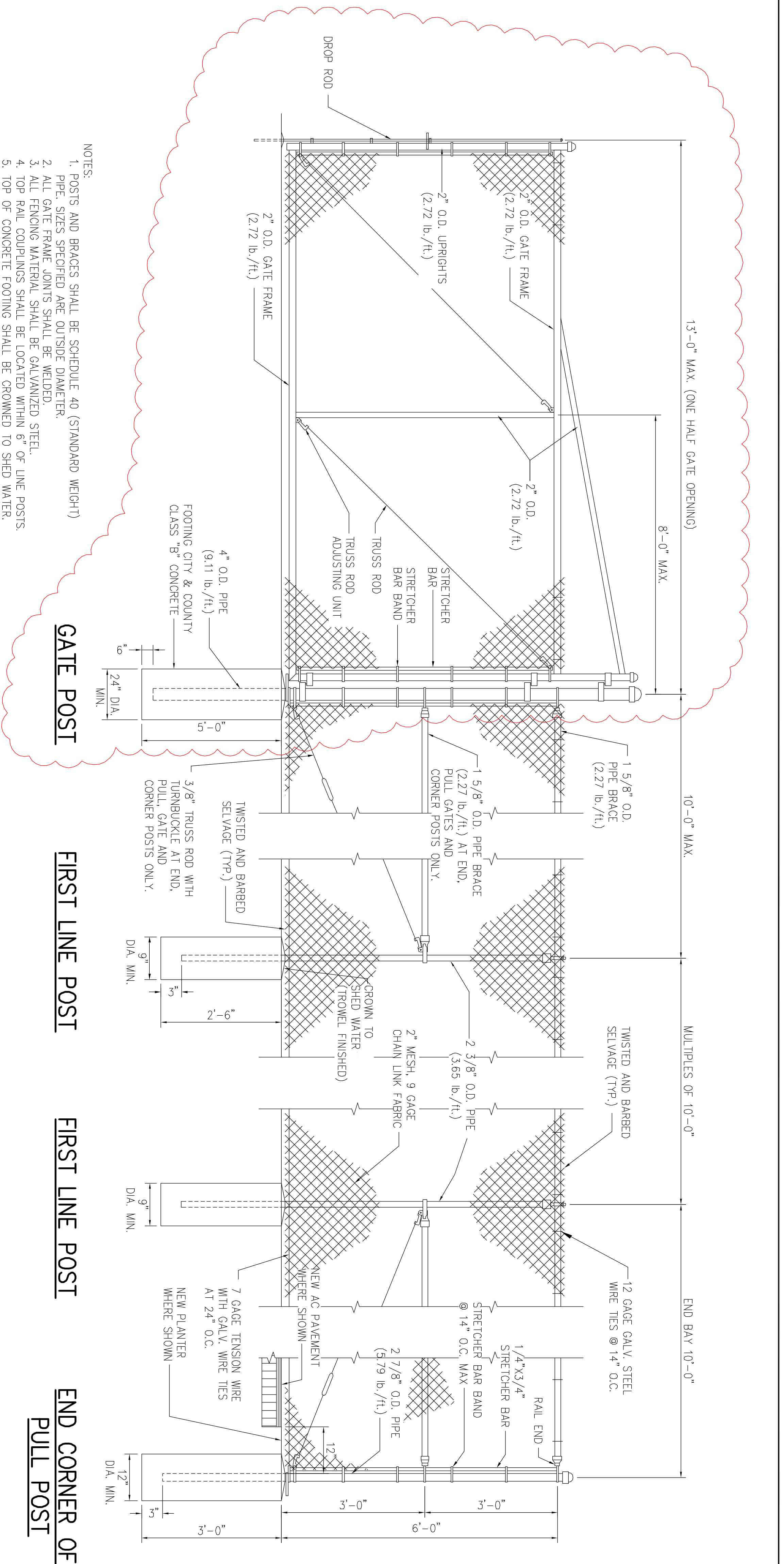


REV	DATE	DESCRIPTION	BY	APPR

THE LIMTIACCO CONSULTING GROUP
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 6081 KOLEA DRIVE, SUITE 200 • KAAHAKOONAH, HAWAII 96751
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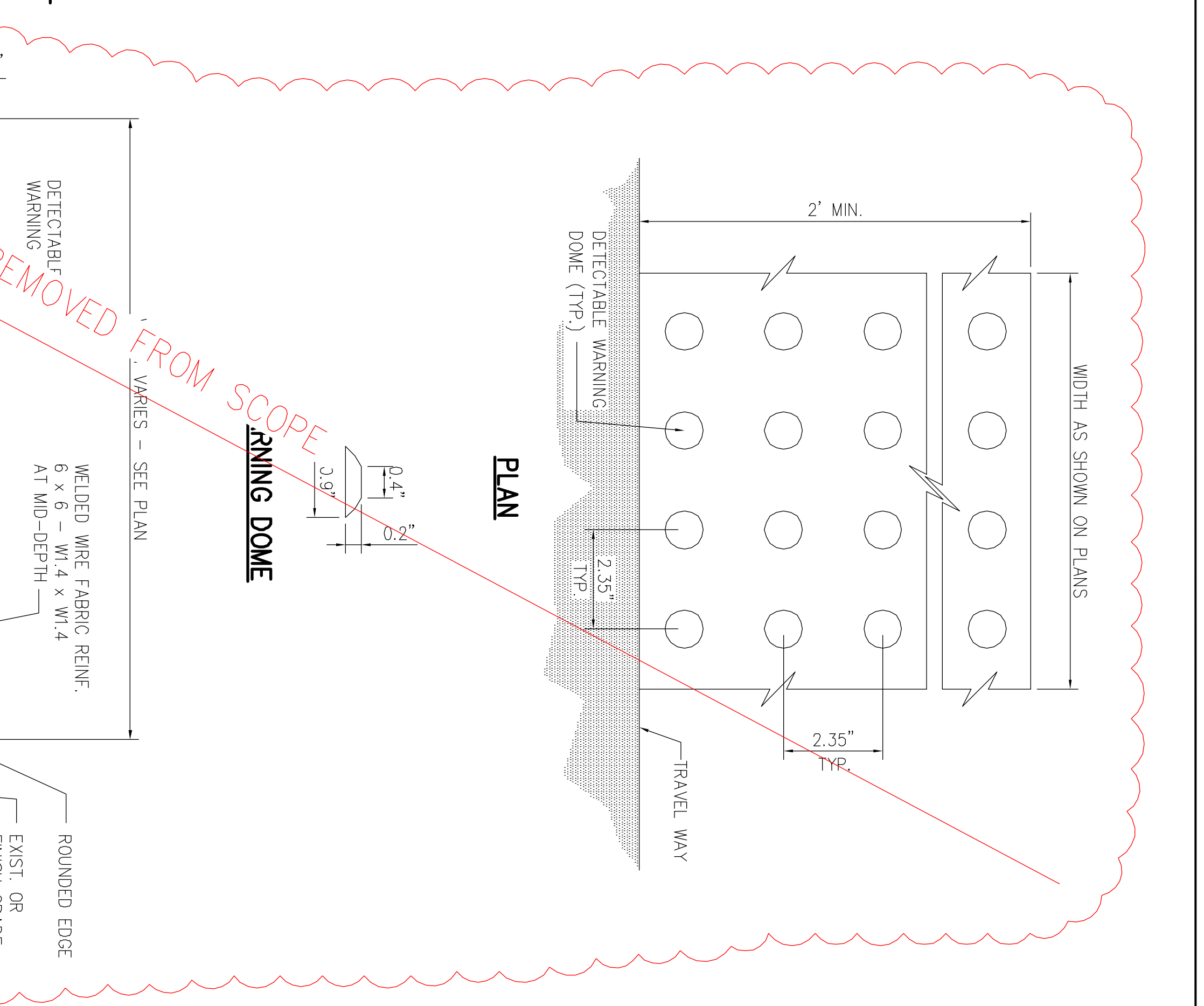
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI
CIVIL DETAILS - 3

DRAWN BY: KK DES BY: KK CHECKED BY: JL
 SCALE: DATE: JULY 2010

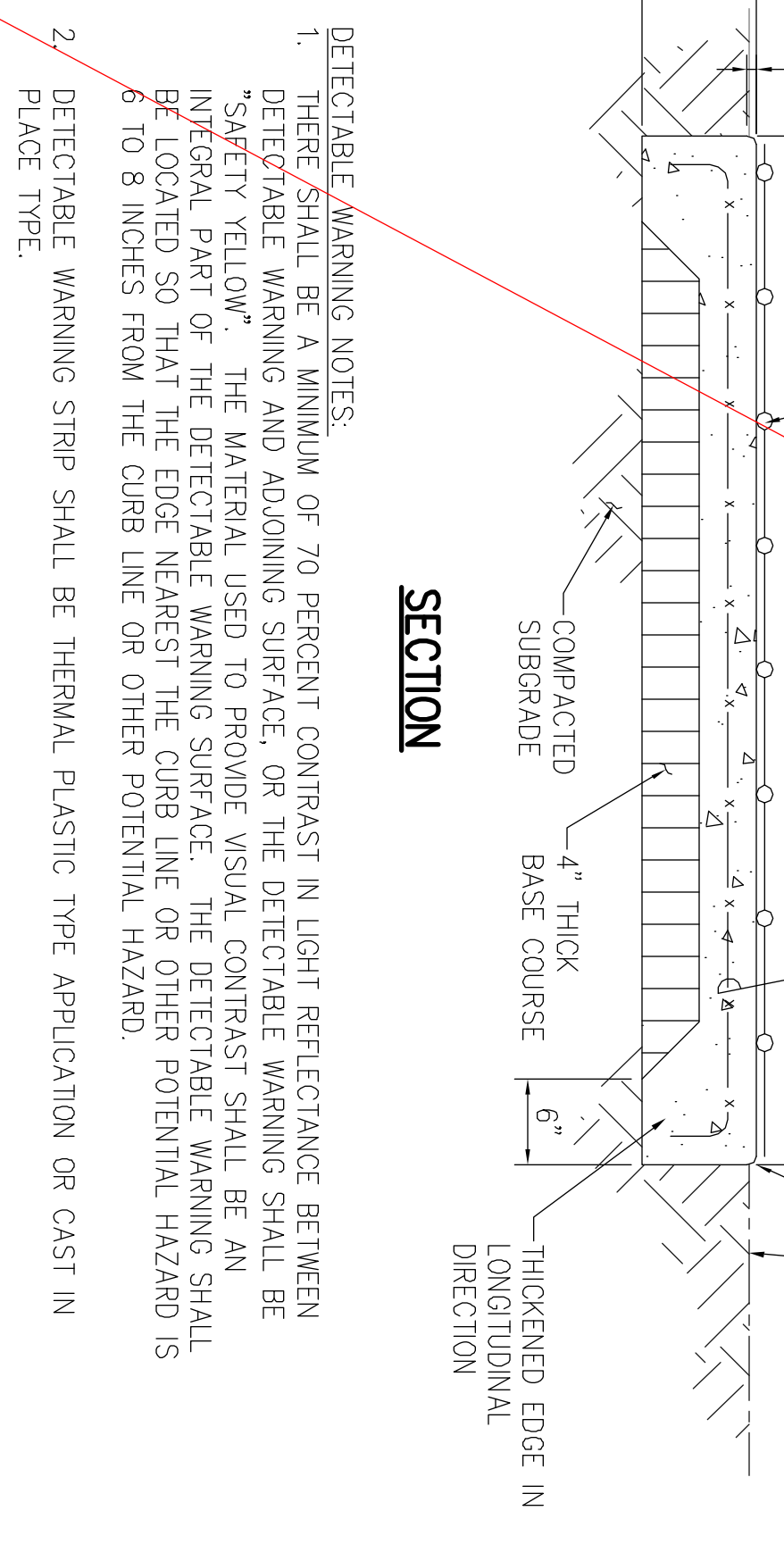


- NOTES:
1. POSTS AND BRACES SHALL BE SCHEDULE 40 (STANDARD WEIGHT) PIPE. SIZES SPECIFIED ARE OUTSIDE DIAMETER.
 2. ALL GATE FRAME JOINTS SHALL BE WELDED.
 3. ALL FENCING MATERIAL SHALL BE GALVANIZED STEEL.
 4. TOP RAIL COUPLINGS SHALL BE LOCATED WITHIN 6" OF LINE POSTS.
 5. TOP OF CONCRETE FOOTING SHALL BE CROWNED TO SHED WATER.

1 CHAIN LINK FENCE WITH DOUBLE SWING GATE DETAIL
 NOT TO SCALE



3 DETECTABLE WARNING DETAIL
 NOT TO SCALE



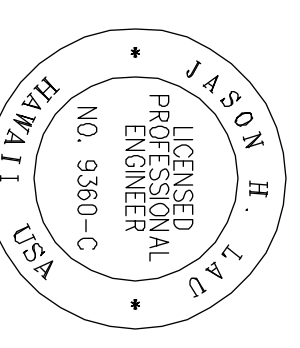
- DETECTABLE WARNING NOTES:
1. THERE SHALL BE A MINIMUM OF 70 PERCENT CONTRAST IN LIGHT REFLECTANCE BETWEEN DETECTABLE WARNING AND ADJOINING SURFACE. OR THE DETECTABLE WARNING SHALL BE "SAFETY YELLOW". THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE. THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES FROM THE CURB LINE OR OTHER POTENTIAL HAZARD.
 2. DETECTABLE WARNING STRIP SHALL BE THERMAL PLASTIC TYPE APPLICATION OR CAST IN PLACE TYPE.

REV	DATE	DESCRIPTION	BY	APPR

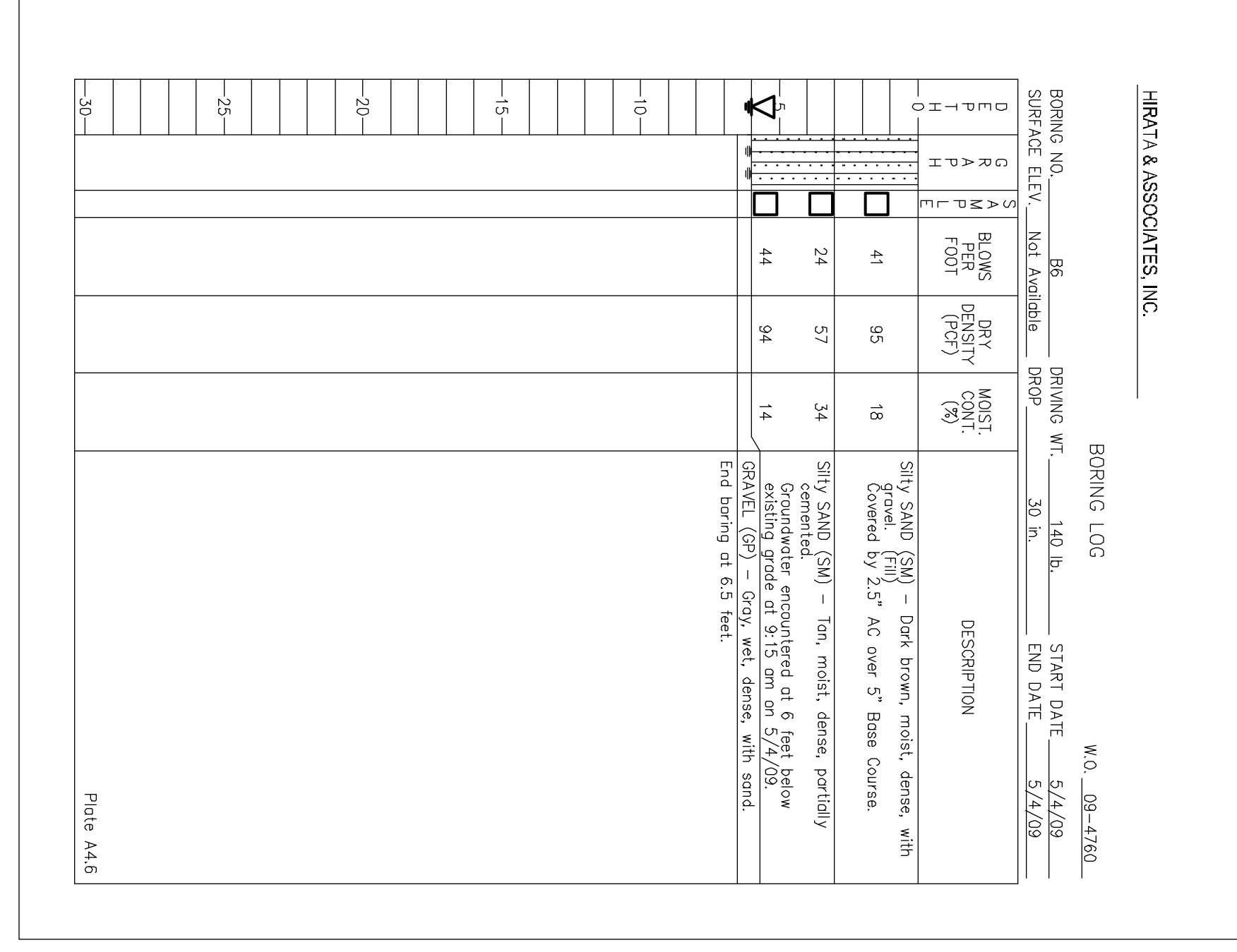
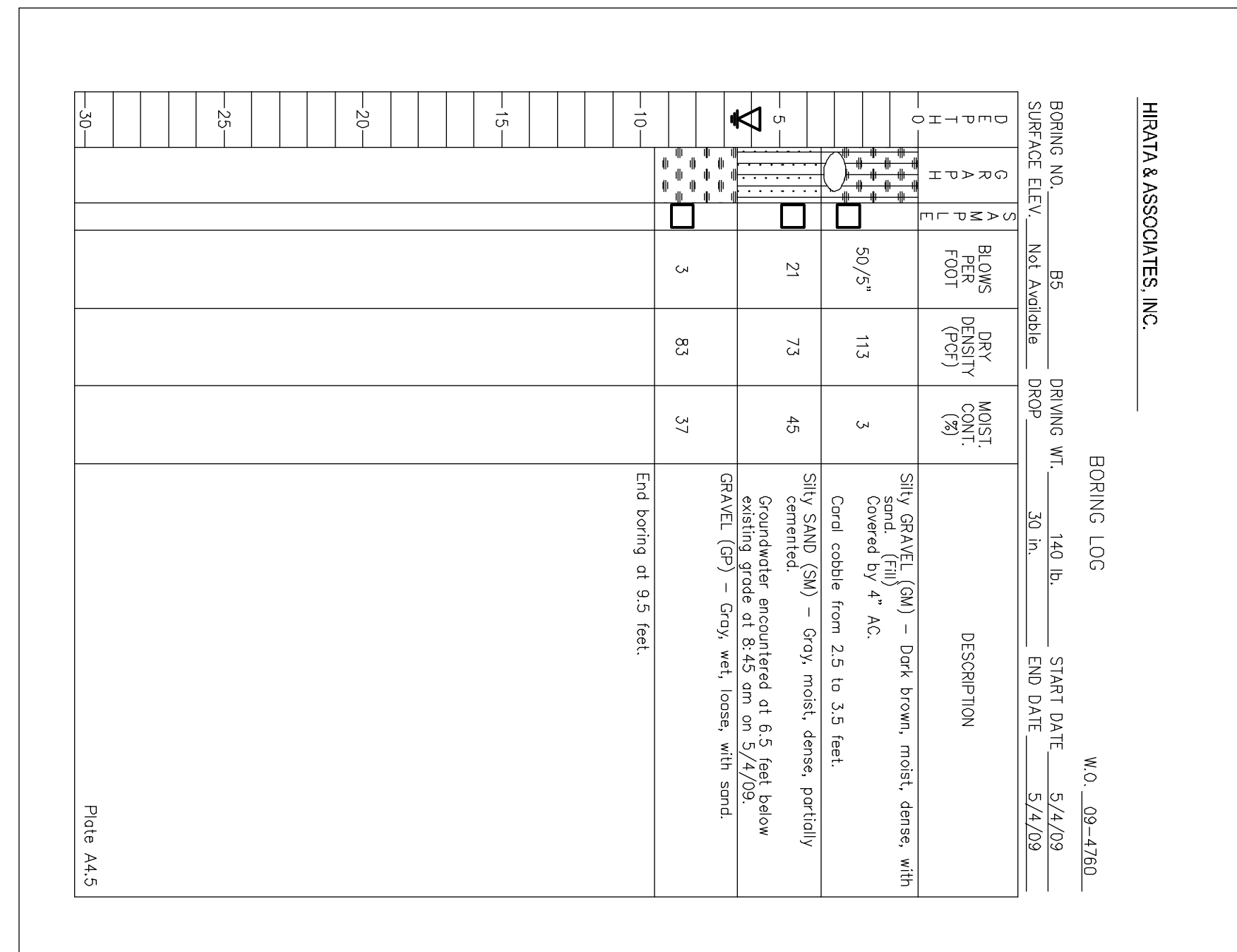
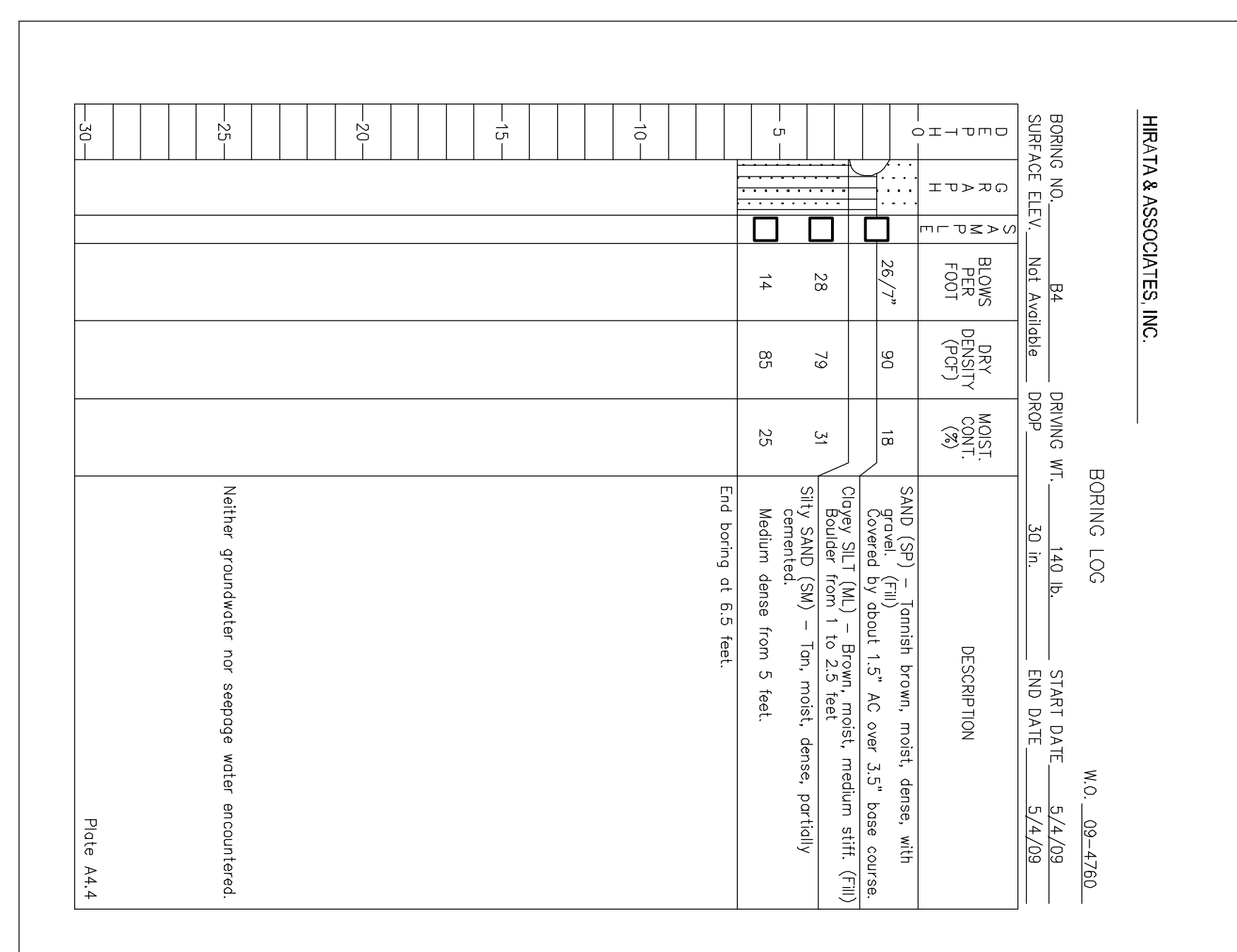
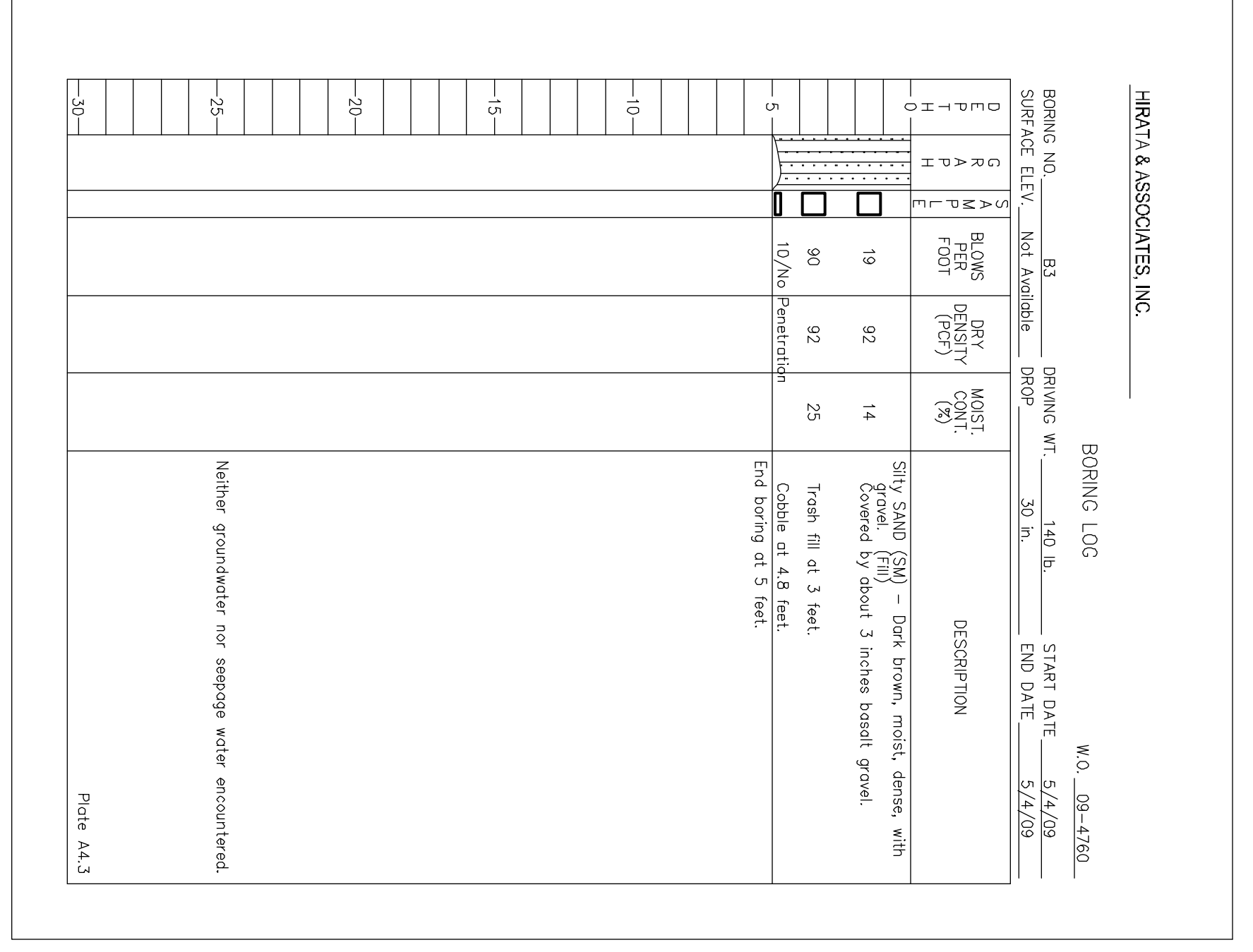
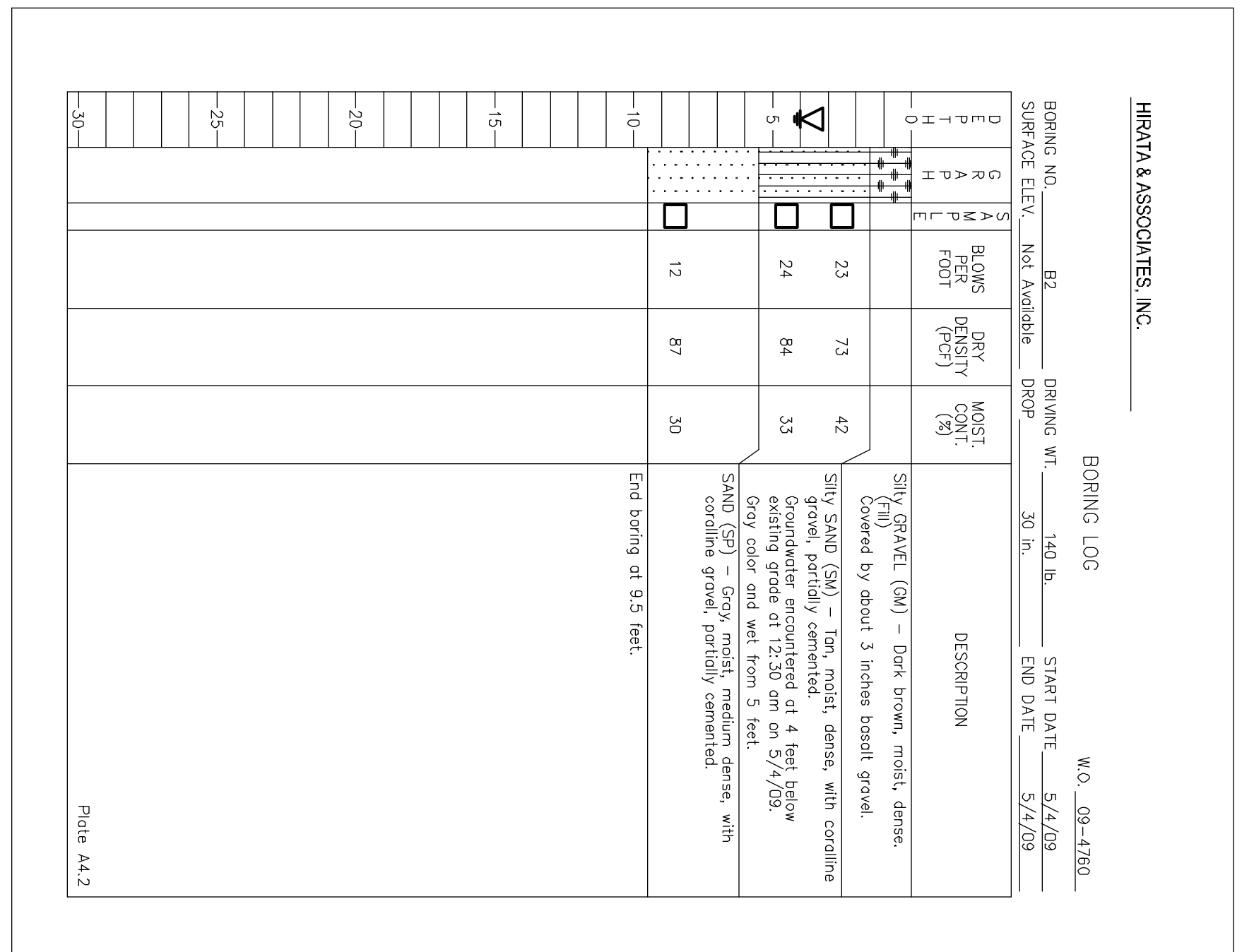
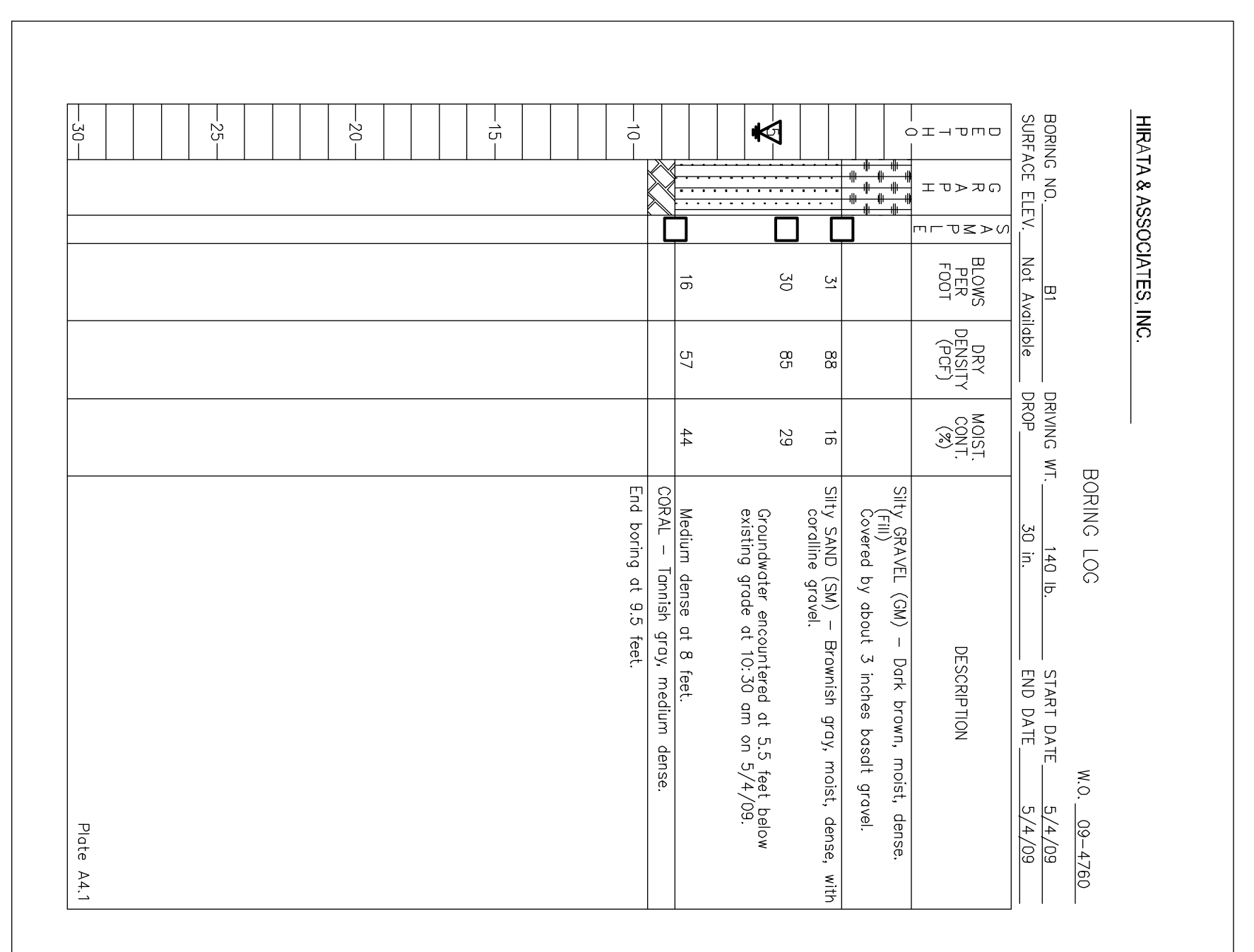
THE LIMTIACCO CONSULTING GROUP
 CIVIL ENGINEERING AND ENVIRONMENTAL ENGINEERING
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HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAMPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI
 CIVIL DETAILS - 4

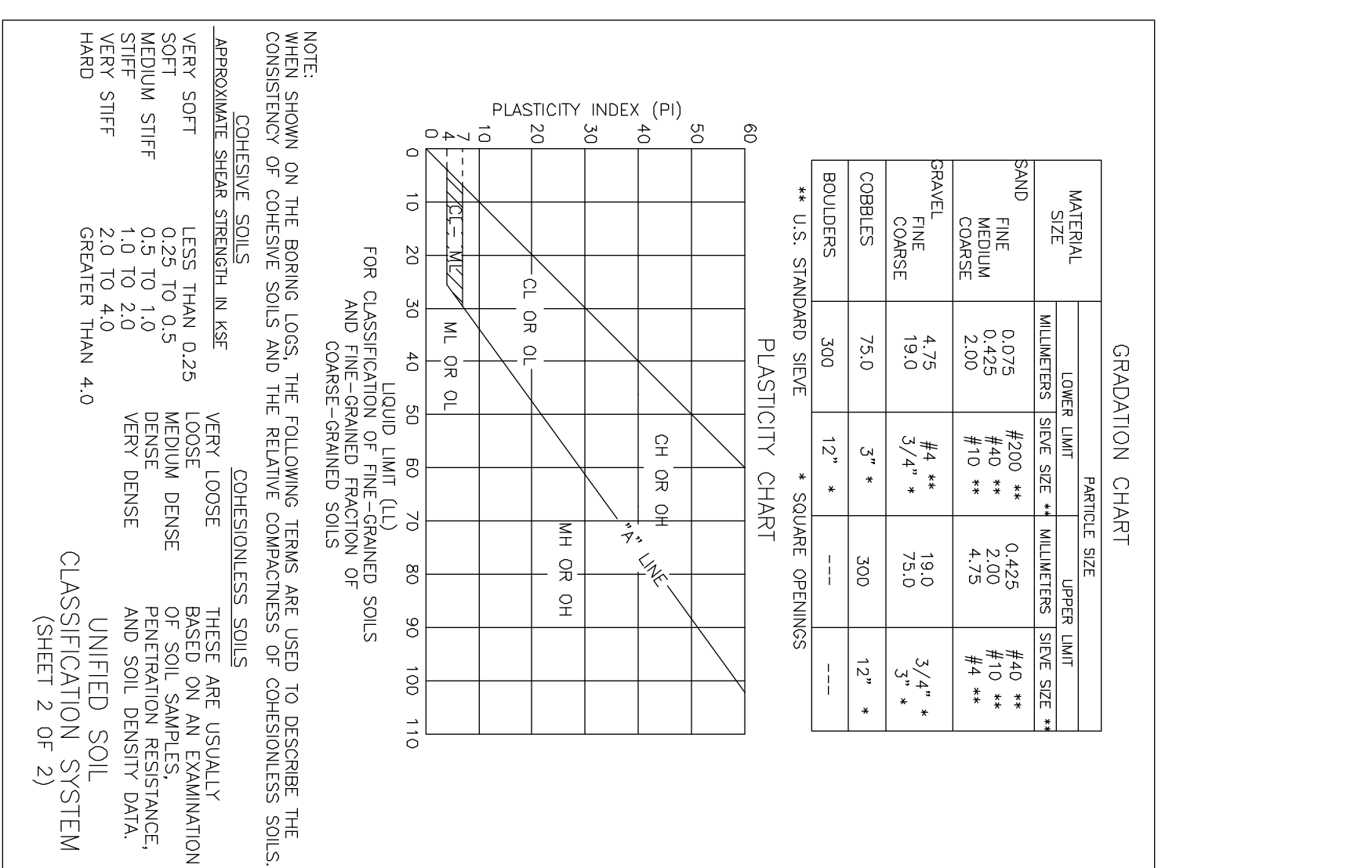
DRAWN BY: KK DES BY: KK CHECKED BY: J
 SCALE: DATE: JULY 2010



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 JASON H. LIM
 LICENSE NO. 9360-C
 CIVIL ENGINEER
 HAWAII



MAJOR DIVISIONS	SYMBOL	GROUP NAMES
GRAVELS	GW	WELL-GRADED GRAVEL, WELL-GRADED GRAVEL WITH SAND
POORLY GRADED GRAVEL	GP	POORLY GRADED GRAVEL WITH SAND
CLAYEY GRAVEL	GCL	CLAYEY GRAVEL, CLAYEY GRAVEL WITH SAND
CLEAN SAND	SW	WELL-GRADED SAND, WELL-GRADED SAND WITH GRAVEL
POORLY GRADED SAND	SP	POORLY GRADED SAND, POORLY GRADED SAND WITH GRAVEL
SILT SAND	SM	SILT SAND, SILTY SAND WITH GRAVEL
CLAYEY SAND	SC	CLAYEY SAND, CLAYEY SAND WITH GRAVEL
SILT CLAY	ML	SILT WITH SAND OR GRAVEL, SANDY OR GRAVELLY SILT
LEAN CLAY	CL	LEAN CLAY, LEAN CLAY WITH SAND OR GRAVEL, SANDY OR GRAVELLY LEAN CLAY
ORGANIC SILT OR CLAY	OL	ORGANIC SILT OR CLAY, ORGANIC SILT OR CLAY WITH SAND OR GRAVEL, SANDY OR GRAVELLY SILT OR CLAY
ELASTIC SILT	MH	ELASTIC SILT, ELASTIC SILT WITH SAND OR GRAVEL, SANDY OR GRAVELLY ELASTIC SILT
FAT CLAY	CH	FAT CLAY, FAT CLAY WITH SAND OR GRAVEL, SANDY OR GRAVELLY FAT CLAY
ORGANIC SILT OR CLAY	OH	ORGANIC SILT OR CLAY, ORGANIC SILT OR GRAVELLY ORGANIC SILT OR CLAY
HIGHLY ORGANIC SOILS	PT	PT



NOTES:

1. THE LOGS OF BORINGS INDICATE THE SUBSURFACE AND GROUNDWATER CONDITIONS ENCOUNTERED ONLY AT THE LOCATIONS WHERE THE BORINGS WERE DRILLED AND AT THE TIMES DESIGNATED ON THE LOGS, AND MAY NOT REPRESENT CONDITIONS AT OTHER LOCATIONS OR AT OTHER TIMES. SUBSURFACE AND GROUNDWATER CONDITIONS MAY CHANGE WITH THE PASSAGE OF TIME, IMPROVEMENTS CONSTRUCTED AT THE PROPERTY, AND CHANGES IN SURFACE DRAINAGE AND IRRIGATION PATTERNS.
2. THE BORING LOGS ARE FURNISHED FOR THE CONVENIENCE OF THE BIDDER. NO ASSURANCE IS GIVEN THAT THE SUBSURFACE OR GROUNDWATER CONDITIONS SHOWN ON THE BORING LOGS ARE REPRESENTATIVE OF THE CONDITIONS TO BE ENCOUNTERED DURING CONSTRUCTION. THE BIDDER IS SOLELY RESPONSIBLE FOR ALL ASSUMPTIONS, DEDUCTIONS, OR CONCLUSIONS WHICH HE MAY MAKE OR DERIVE FROM HIS EXAMINATION OF THE SUBSURFACE INFORMATION AND DATA FURNISHED HEREIN.
3. THE BLOW COUNTS FOR THE 3.3-INCH (84 MM) DIAMETER SPLIT BARREL SAMPLER REPRESENT ACTUAL BLOW COUNT AND HAVE NOT BEEN CORRECTED TO EQUIVALENT SP-T-N VALUES.
4. FOR BORING LOCATIONS SEE SHEET C-01.

4/30/12

THE WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII. NO. 5360-C

THE LIMTIACCO CONSULTING GROUP
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HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 HONOLULU, OAHU, HAWAII

KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAMPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI

BORING LOGS

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY

DRAWN BY: KK
 CHECKED BY: JL
 DATE: JULY 2010

FILE: PROJECT: FOLDER: NO.

NOTES:

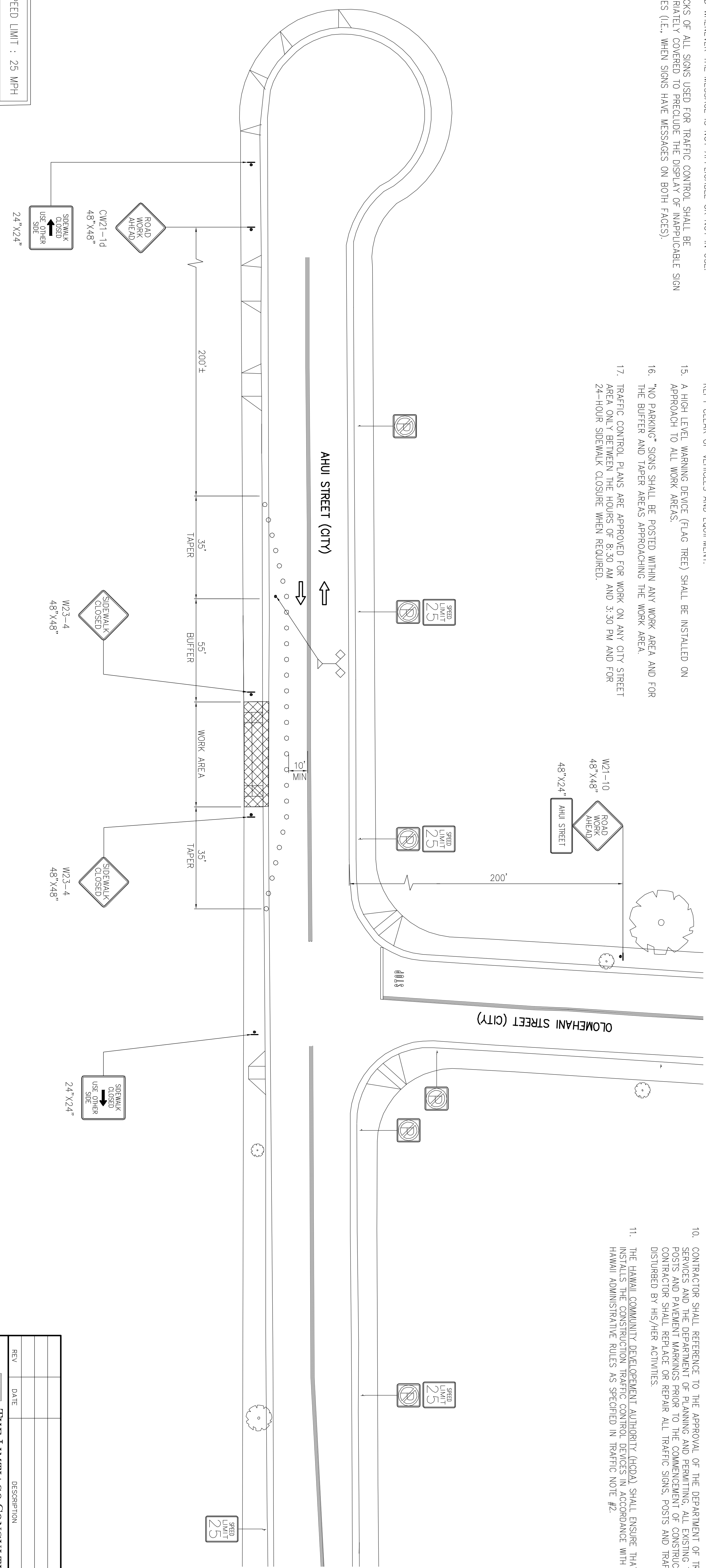
1. THE PERMITTEE SHALL MAKE MINOR ADJUSTMENTS AT INTERSECTIONS, DRIVEWAYS, BRIDGES, STRUCTURES, ETC., TO FIT FIELD CONDITIONS.
2. CONES OR DELINEATORS SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
3. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SUCH THAT THE SIGN OR DEVICE FARTHEST FROM THE WORK AREA IS PLACED FIRST. THE OTHERS SHALL THEN BE PLACED PROGRESSIVELY TOWARD THE WORK AREA.
4. REGULATORY AND WARNING SIGNS WITHIN THE CONSTRUCTION ZONE THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE REMOVED OR COVERED.
5. FLAGGERS AND/OR POLICE OFFICERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
6. WHEN REQUIRED BY THE ISSUING OFFICE, THE PERMITTEE SHALL INSTALL A FLASHING ARROW SIGNAL AS SHOWN ON THE TRAFFIC CONTROL PLANS.
7. ALL TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE.
8. ALL CONSTRUCTION WARNING SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE.
9. THE BACKS OF ALL SIGNS USED FOR TRAFFIC CONTROL SHALL BE APPROPRIATELY COVERED TO PRECLUDE THE DISPLAY OF INAPPLICABLE SIGN MESSAGES (I.E., WHEN SIGNS HAVE MESSAGES ON BOTH FACES).

10. LANE CLOSURE SHALL BE LIMITED ONLY TO THE EXTENT OF ACCOMPLISHING EACH DAY'S WORK. AS SOON AS EACH DAY'S WORK IS COMPLETED, THE PERMITTEE SHALL REMOVE ALL TRAFFIC CONTROL DEVICES NO LONGER NEEDED TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC. REMOVAL SHALL BE IN THE REVERSE ORDER OF INSTALLATION. EXISTING PAVED OR UNPAVED PAVED SURFACES THAT ARE NECESSARY FOR SAFE TRAFFIC FLOW IN THE CONSTRUCTION AREA SHALL BE REPAIRED WITH TEMPORARY OR PERMANENT MARKINGS BEFORE OPENING THE ROADWAY TO PUBLIC TRAFFIC EACH DAY.
11. PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNS SHALL BE REPLACED UPON COMPLETION OF EACH PHASE OF WORK.
12. CONES AND DELINEATORS SHALL BE SPACED AT A MAXIMUM DISTANCE OF 20 FEET APART. A MINIMUM OF SIX CHANNELIZING DEVICES SHALL BE USED FOR EACH TAPER LENGTH.
13. DRIVEWAYS SHALL BE KEPT OPEN UNLESS THE OWNERS OF THE PROPERTY USING THE RIGHT-OF-WAY ARE OTHERWISE PROVIDED FOR SATISFACTORILY. FURTHER, THE PERMITTEE SHALL CONTROL TRAFFIC GOING IN AND OUT OF DRIVEWAYS.
14. BUFFER AND TAPER AREAS ON APPROACH TO ANY WORK AREA SHALL BE KEPT CLEAR OF VEHICLES AND EQUIPMENT.
15. A HIGH LEVEL WARNING DEVICE (FLAG TREE) SHALL BE INSTALLED ON APPROACH TO ALL WORK AREAS.
16. "NO PARKING" SIGNS SHALL BE POSTED WITHIN ANY WORK AREA AND FOR THE BUFFER AND TAPER AREAS APPROACHING THE WORK AREA.
17. TRAFFIC CONTROL PLANS ARE APPROVED FOR WORK ON ANY CITY STREET AREA ONLY BETWEEN THE HOURS OF 8:30 AM AND 3:30 PM AND FOR 24-HOUR SIDEWALK CLOSURE WHEN REQUIRED.

TRAFFIC NOTES FOR WORK ON CITY AND COUNTY STREETS:

1. A PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT OF TRANSPORTATION SERVICES BEFORE WORK ON ANY PORTION OF A PUBLIC STREET OR HIGHWAY MAY BEGIN. CONSTRUCTION TRAFFIC CONTROL PLANS APPROVED BY THE DEPARTMENT OF TRANSPORTATION SERVICES AND/OR THE DEPARTMENT OF PLANNING AND PERMITTING MUST BE PROVIDED WHEN APPLYING FOR THE PERMIT.
2. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL NECESSARY SIGNS AND OTHER PROTECTIVE FACILITIES, WHICH SHALL CONFORM WITH THE "HAWAII ADMINISTRATION RULES GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREET AND HIGHWAYS" ADOPTED BY THE DIRECTOR OF TRANSPORTATION, AND THE CURRENT U.S. FEDERAL HIGHWAY ADMINISTRATION'S "PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS."

3. WORK ON ANY CITY STREET AREA MAY BE PERFORMED ONLY BETWEEN THE HOURS OF 8:30 A.M. TO 3:30 P.M., MONDAY THROUGH FRIDAY, UNLESS OTHERWISE PERMITTED BY THE DEPARTMENT OF TRANSPORTATION SERVICES.
4. DURING WORKING HOURS, THE CONTRACTOR SHALL PROVIDE FOR THROUGH TRAFFIC. DURING NON-WORKING HOURS, ALL TRENCHES SHALL BE COVERED WITH A SAFE NON-SKID BRIDGING MATERIAL AND ALL LANES SHALL BE OPEN TO TRAFFIC.
5. AS REQUIRED BY THE DEPARTMENT OF TRANSPORTATION SERVICES, THE CONTRACTOR SHALL PROVIDE AN OFF-DUTY POLICE OFFICER TO CONTROL THE FLOW OF TRAFFIC.
6. DRIVEWAYS SHALL BE KEPT OPEN UNLESS THE OWNERS OF THE PROPERTY USING THESE RIGHTS-OF-WAY ARE OTHERWISE PROVIDED FOR SATISFACTORILY.
7. WHERE PEDESTRIAN WALKWAYS EXIST, THEY SHALL BE MAINTAINED IN PASSABLE CONDITION IN ACCORDANCE WITH ADAAG 4.1.1(4) AND 4.3 OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. PASSAGE BETWEEN WALKWAYS AT INTERSECTIONS SHALL LIKEWISE BE PROVIDED.
8. NO EQUIPMENT SHALL BE STORED WITHIN STREET RIGHTS-OF-WAY EXCEPT AT LOCATIONS DESIGNATED IN WRITING APPROVED BY THE DEPARTMENT OF TRANSPORTATION SERVICES.
9. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PLANNING AND PERMITTING, AT 788-8084 ONE (1) WEEK PRIOR TO ANY WORK TO BE DONE ON SIGNS, POSTS, AND PAVEMENT MARKINGS.
10. CONTRACTOR SHALL REFERENCE TO THE APPROVAL OF THE DEPARTMENT OF TRANSPORTATION SERVICES AND THE DEPARTMENT OF PLANNING AND PERMITTING, ALL EXISTING TRAFFIC SIGNS, POSTS AND PAVEMENT MARKINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNS, POSTS AND TRAFFIC MARKINGS DISTURBED BY HIS/HER ACTIVITIES.
11. THE HAWAII COMMUNITY DEVELOPMENT AUTHORITY (HCDA) SHALL ENSURE THAT THE CONTRACTOR INSTALLS THE CONSTRUCTION TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE MUTCD AND HAWAII ADMINISTRATIVE RULES AS SPECIFIED IN TRAFFIC NOTE #2.

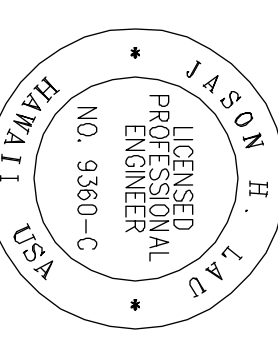


LEGEND:

- FLAG TREE
- SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- POSTED SPEED LIMIT : 25 MPH
- CONE, DELINEATOR, AND BARRICADE SPACING, 10' O.C. FOR WORK AREAS, 20' O.C. FOR TAPERS AND BUFFERS

TRAFFIC CONTROL PLAN

NOT TO SCALE



4/30/12
 THE WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER.
 PROJECT NO. 15702
 HAWAII

REV	DATE	DESCRIPTION	BY	APPR

THE LIMTIATCO CONSULTING GROUP
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HAWAII COMMUNITY DEVELOPMENT AUTHORITY
 STATE OF HAWAII
 KAKAKO COMMUNITY DEVELOPMENT DISTRICT
 REMEDIATION/CAPING AND INTERIM SURFACE PARKING AT KAKAKO MAKAI
TRAFFIC CONTROL PLAN

DRAWN BY: KK DES BY: KK CHECKED BY: JL
 SCALE: DATE: JULY 2010

EXECUTIVE DIRECTOR, HAWAII COMMUNITY DEVELOPMENT AUTHORITY