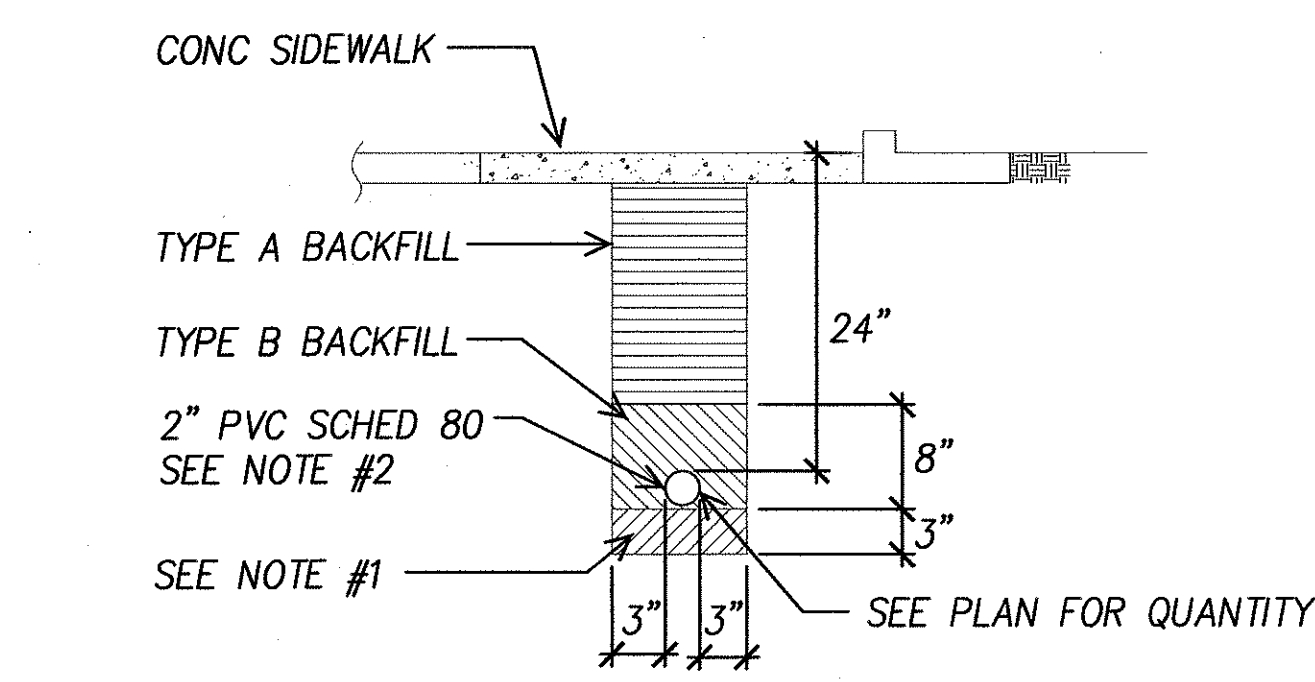
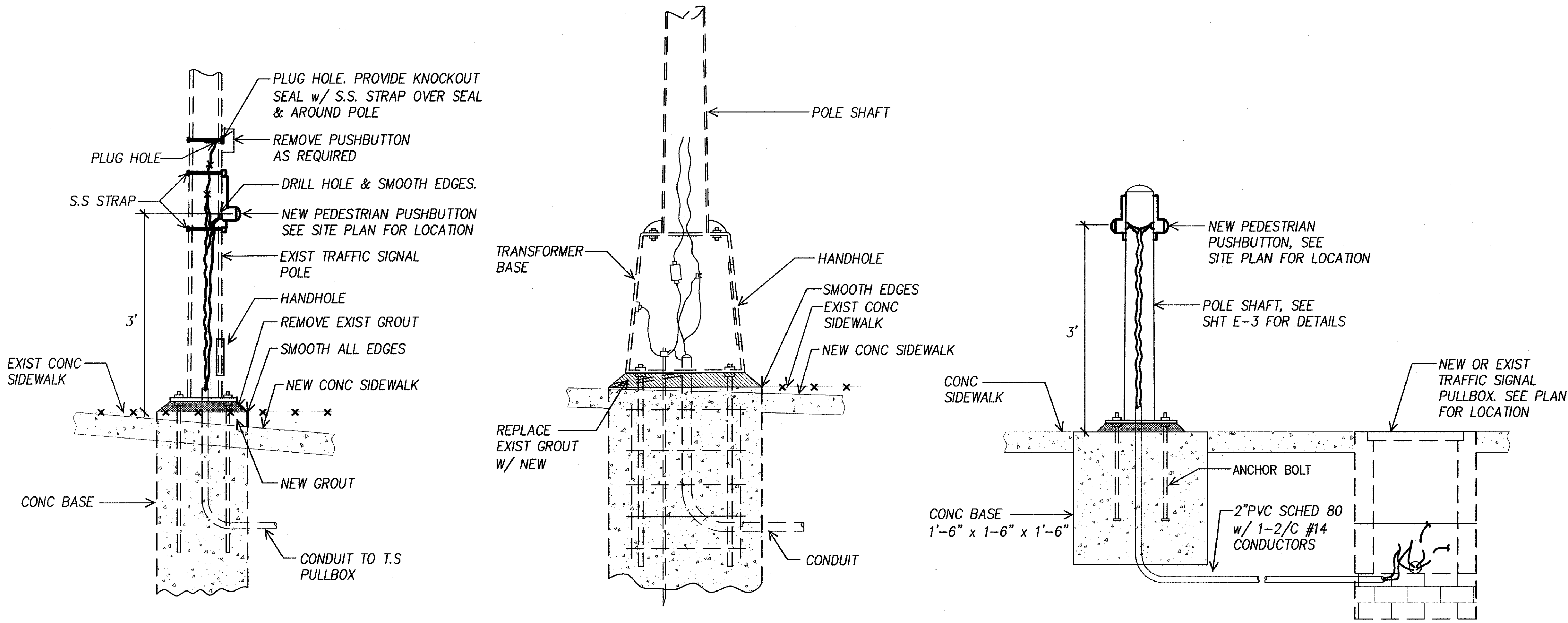


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	156	187



DUCT SECTION A

TYPE "A": BEACH SAND, EARTH OR EARTH & GRAVEL. IF EARTH & GRAVEL USED, MAX. ROCK SIZE SHALL BE 1" & MIXTURE SHALL CONTAIN NOT MORE THAN 50% BY VOLUME OR ROCK PARTICLES. 95% COMPACTION.

TYPE "B": SAME AS TYPE "A" EXCEPT THAT IF EARTH & GRAVEL USED. THE MIXTURE MUST PASS A 1/2" MESH SCREEN & CONTAIN NOT MORE THAN 20% BY VOLUME OF ROCK PARTICLES. 95% COMPACTION.

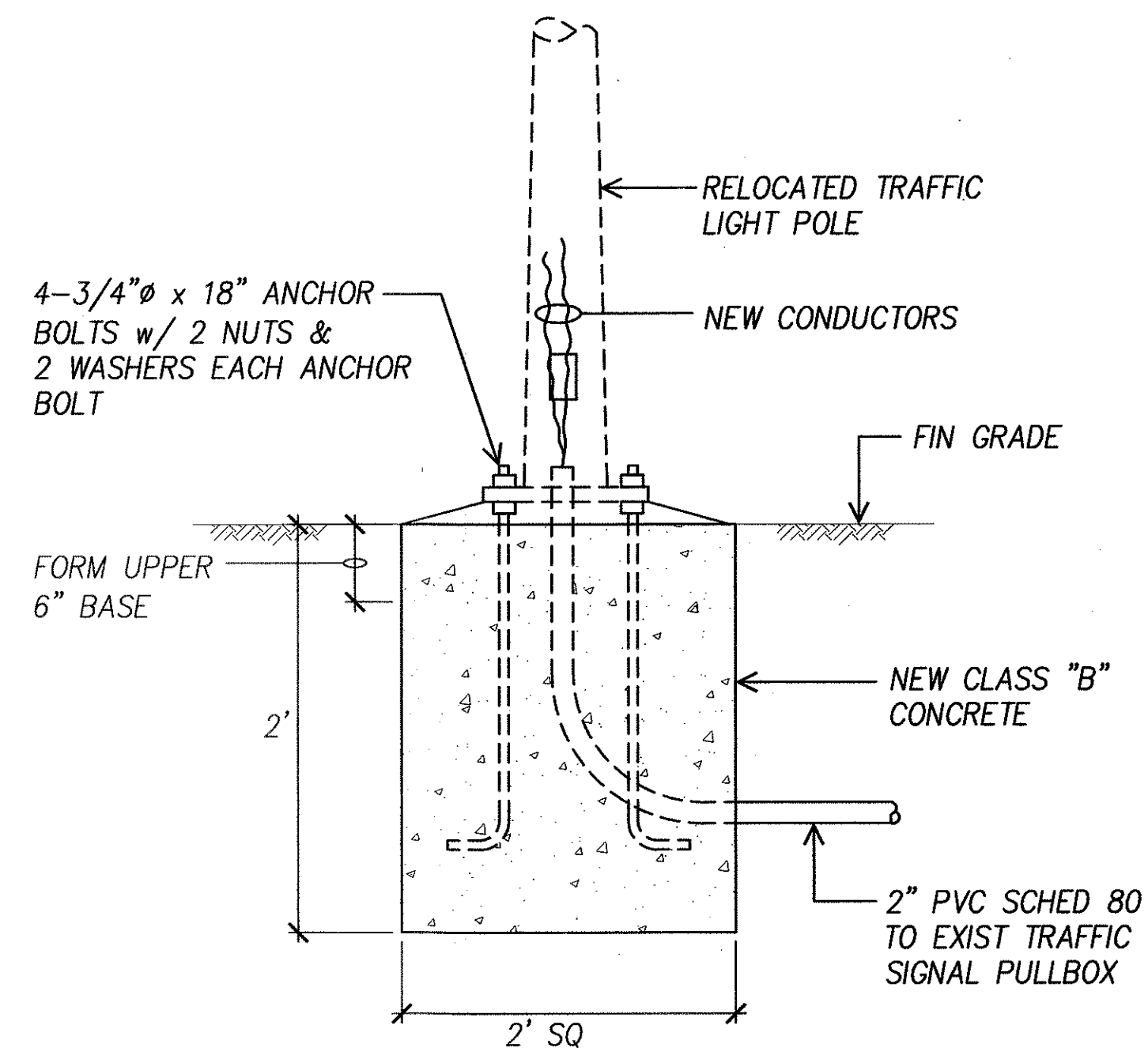
NOTE: 1. IF THE NORMAL MATERIAL IN THE BOTTOM OR TRENCH IS NOT TYPE "B" AN ADDITIONAL 3" SHALL BE EXCAVATED & TYPE "B" BACKFILL SHALL BE PROVIDED.

2. FOR ROADWAY CROSSING & LANDSCAPE AREAS STREET LIGHT CONDUITS SHALL BE PVC SCHEDULE 40 WITH 3" CONCRETE JACKET. 2800PSI @ 28 DAYS COMPRESS STRENGTH.

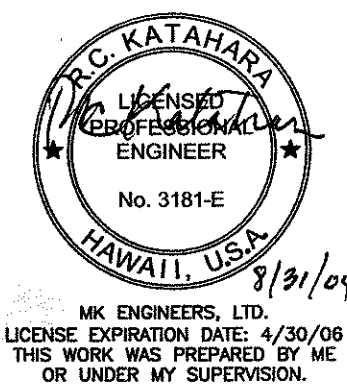
DUCT SECTIONS

SYMBOL LIST

- TLP ☒ EXIST TRAFFIC LT POLE
- TSB ☐ EXIST TRAFFIC SIGNAL PULLBOX
- SLP ☒ EXIST STREET LT POLE
- SLB ☐ EXIST STREET LT PULLBOX
- TS-- EXIST TRAFFIC SIGNAL CONDUIT
- TS— NEW TRAFFIC SIGNAL CONDUIT
- *-TS-* REMOVE EXIST CONDUCTORS ABANDON CONDUITS IN PLACE
- TSFO-- EXIST TRAFFIC SIGNAL CONDUIT WITH FIBER OPTIC CABLE



SURVEY PLOTTED BY	DATE
DRAWN BY	
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NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SYMBOL LIST & DUCT SECTIONS
MISCELLANEOUS DETAILS

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

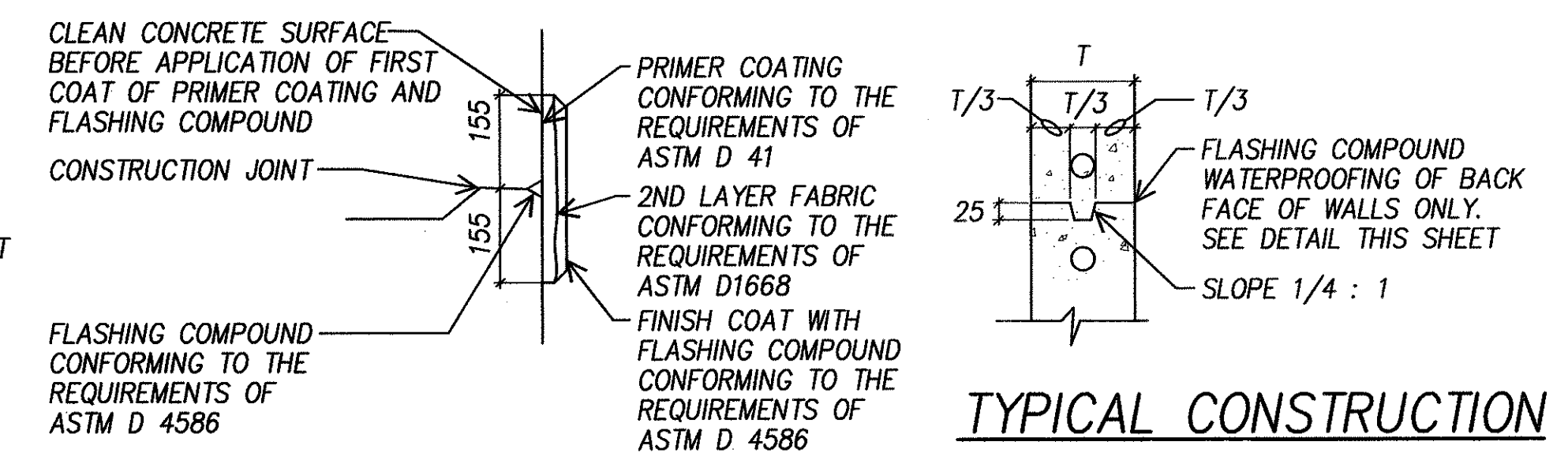
Scale: As Noted Date: Aug 2004

SHEET No. E-1 OF 32 SHEETS

GENERAL PULLBOX NOTES:

-
- ELEVATION**
- 600
- 50
- 594
- 3
- 3
- PLAN VIEW**
- 600
- 450
- NON-SKID SURFACE
- MANUFACTURER'S LOGO
- STATE HIGHWAYS
- LIFT SLOT
- SYMBOL M (HARD METRIC)
SAME SIZE AS MFR. LOGO
- "HIGHWAY LIGHTING"
OR
"TRAFFIC SIGNAL"

NOT TO SCALE



JOINT DETAIL

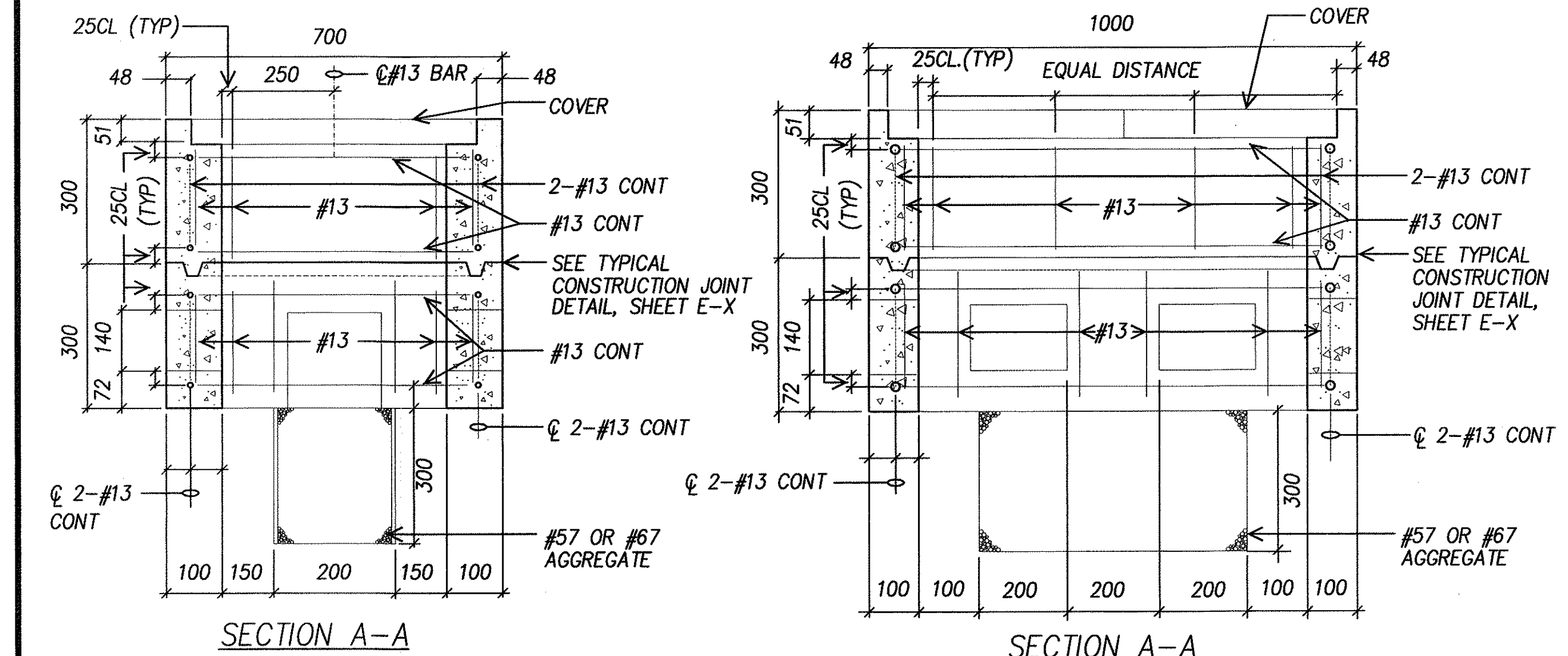
NOT TO SCALE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

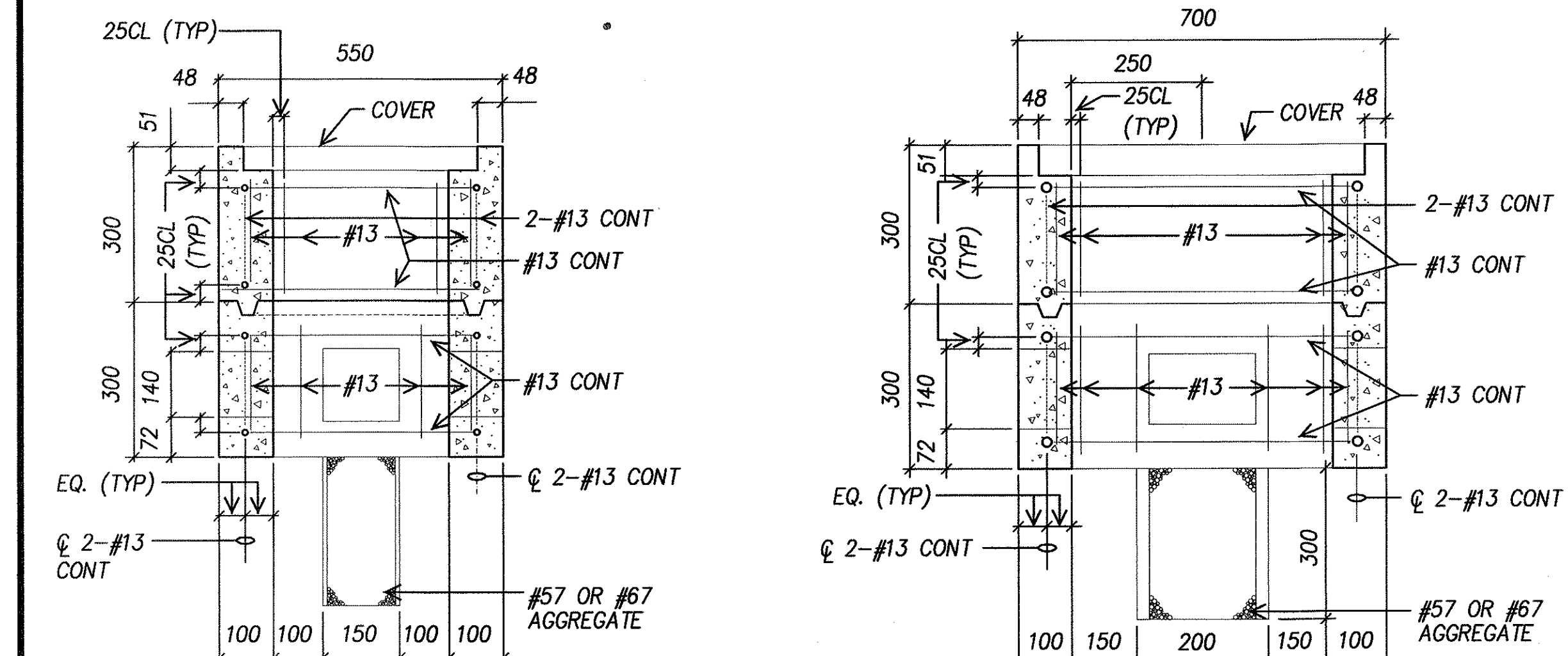
Date: Aug 2004

SHEET No. E-2 OF 32 SHEETS



SECTION A-A

SECTION A-A

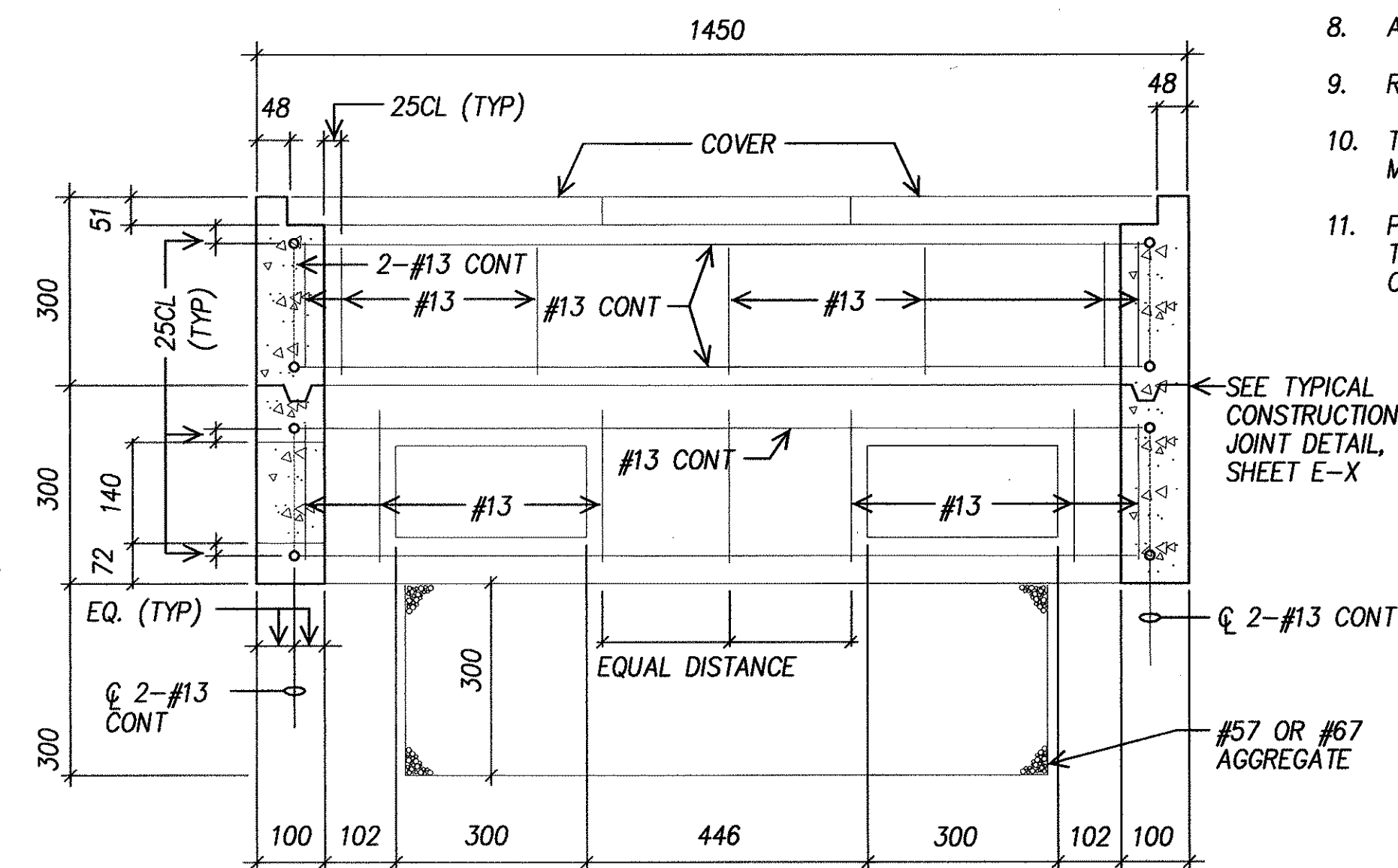


SECTION B-B

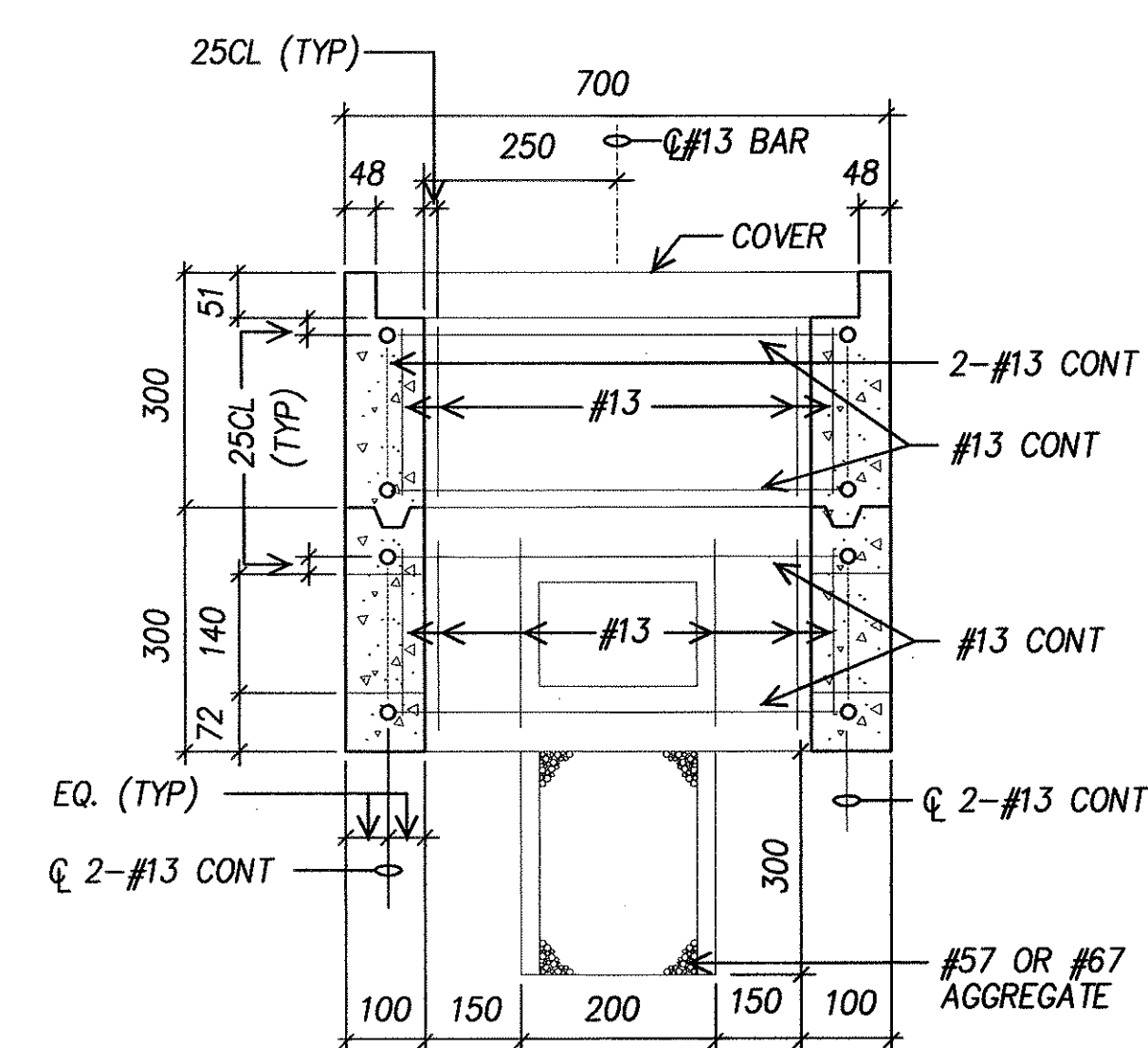
SECTION B-B

A TYPE "A" PULLBOX
E-2 NOT TO SCALE

 TYPE "B" PULLBOX (OLD TYPE "C")
NOT TO SCALE



SECTION A-A



SECTION B-B

CLEAN CONCRETE SURFACE
BEFORE APPLICATION OF FIRST
COAT OF PRIMER COATING AND
FLASHING COMPOUND

CONSTRUCTION JOINT

FLASHING COMPOUND
CONFORMING TO THE
REQUIREMENTS OF
ASTM D 4586

PRIMER COATING
CONFORMING TO THE
REQUIREMENTS OF
ASTM D 41

2ND LAYER FABRIC
CONFORMING TO THE
REQUIREMENTS OF
ASTM D1668

FINISH COAT WITH
FLASHING COMPOUND
CONFORMING TO THE
REQUIREMENTS OF
ASTM D 4586

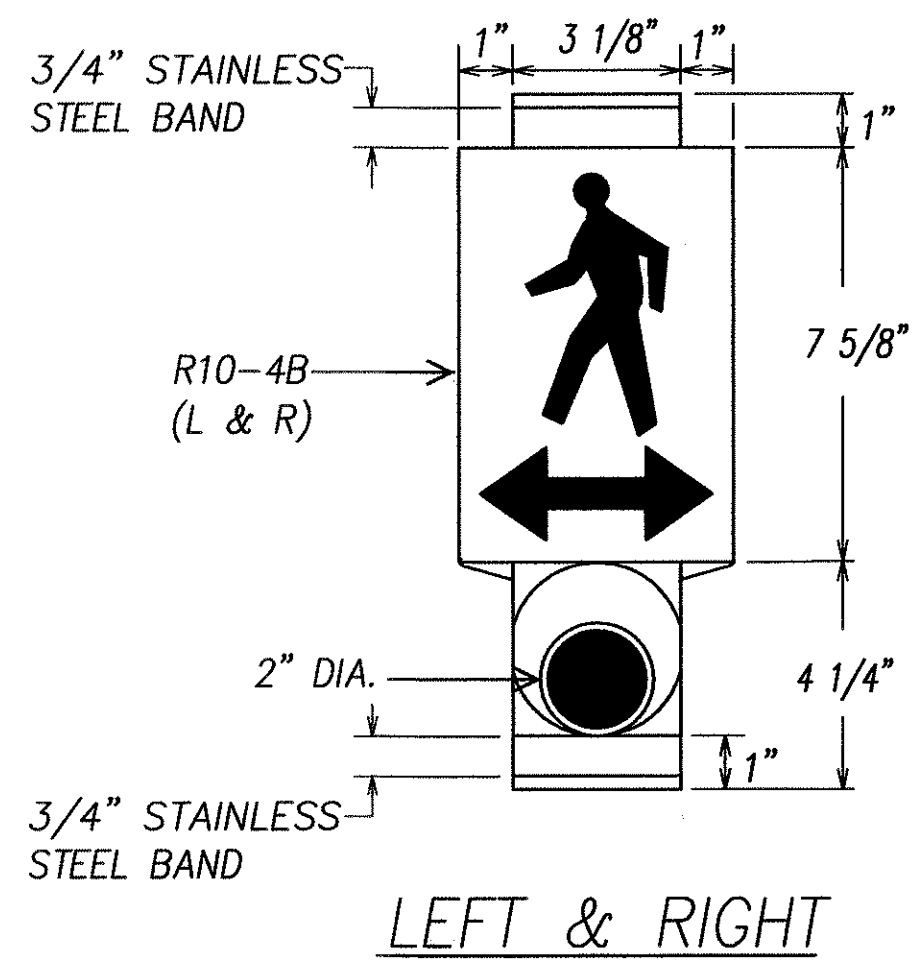
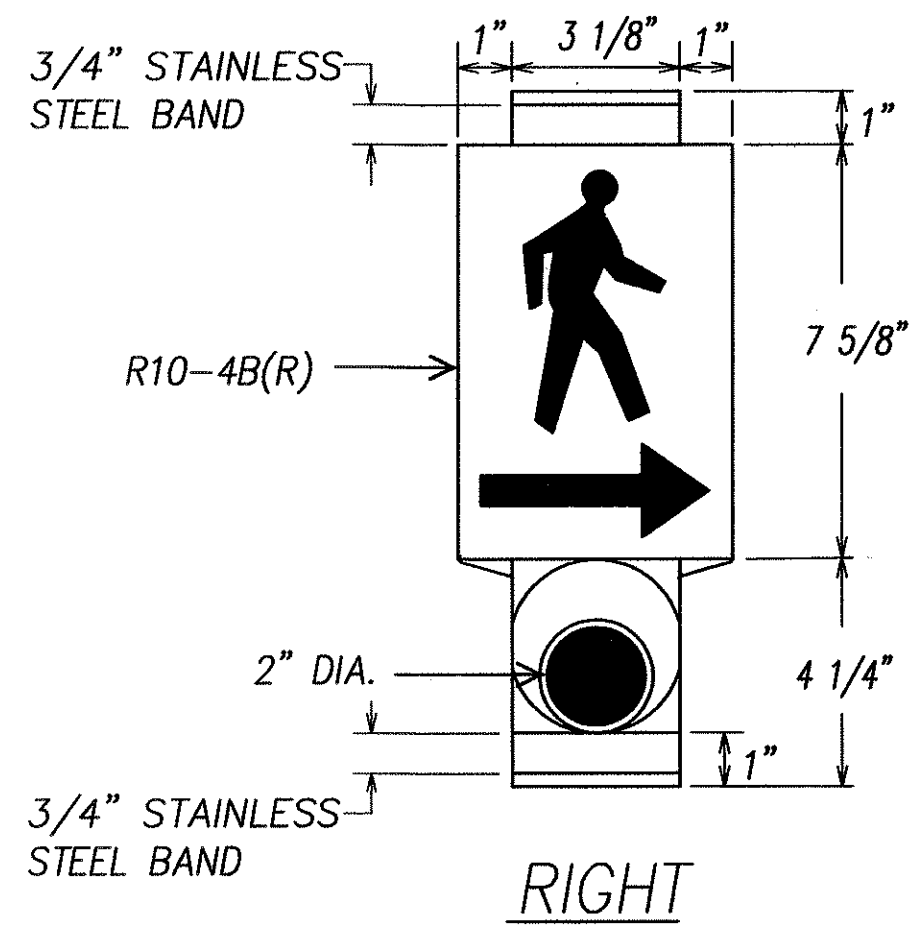
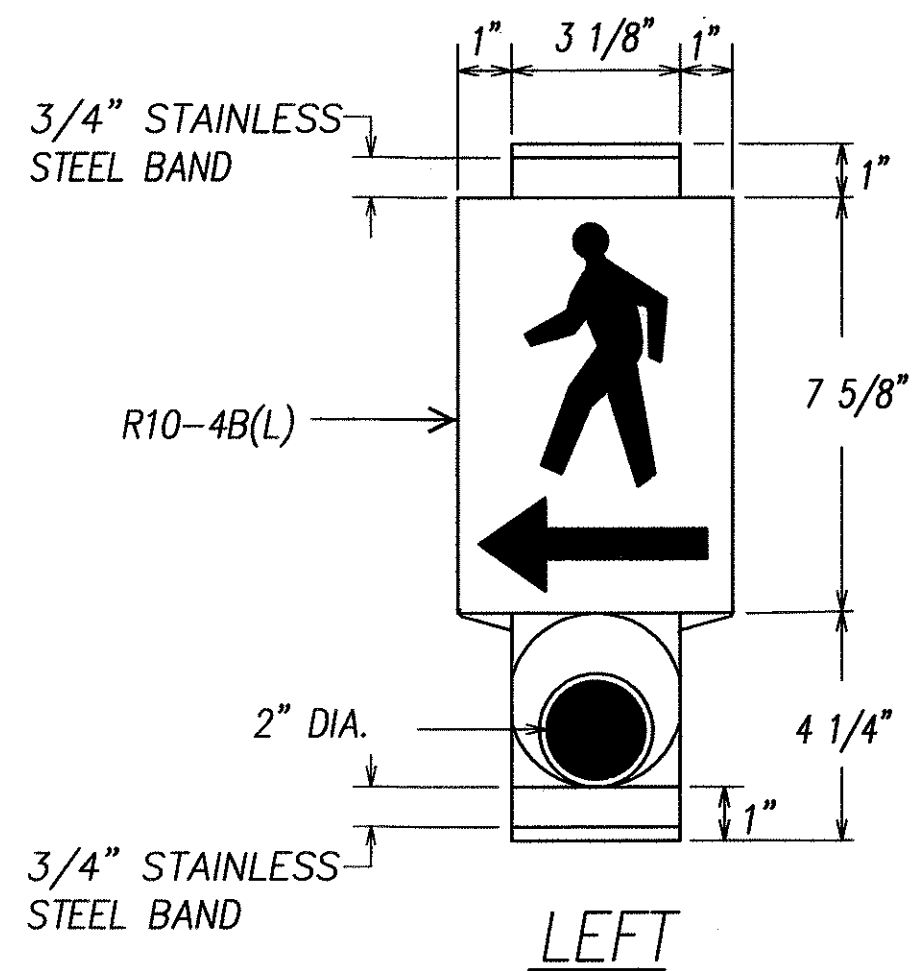
WATERPROOFING DETAIL

NOT TO SCALE

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____ DRAWN BY _____ TRACED BY _____ DESIGNED BY _____ QUANTITIES BY _____ CHECKED BY _____
NOTE BOOK	
No. _____	

8/31
MK ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30
THIS WORK WAS PREPARED BY
OR UNDER MY SUPERVISION.

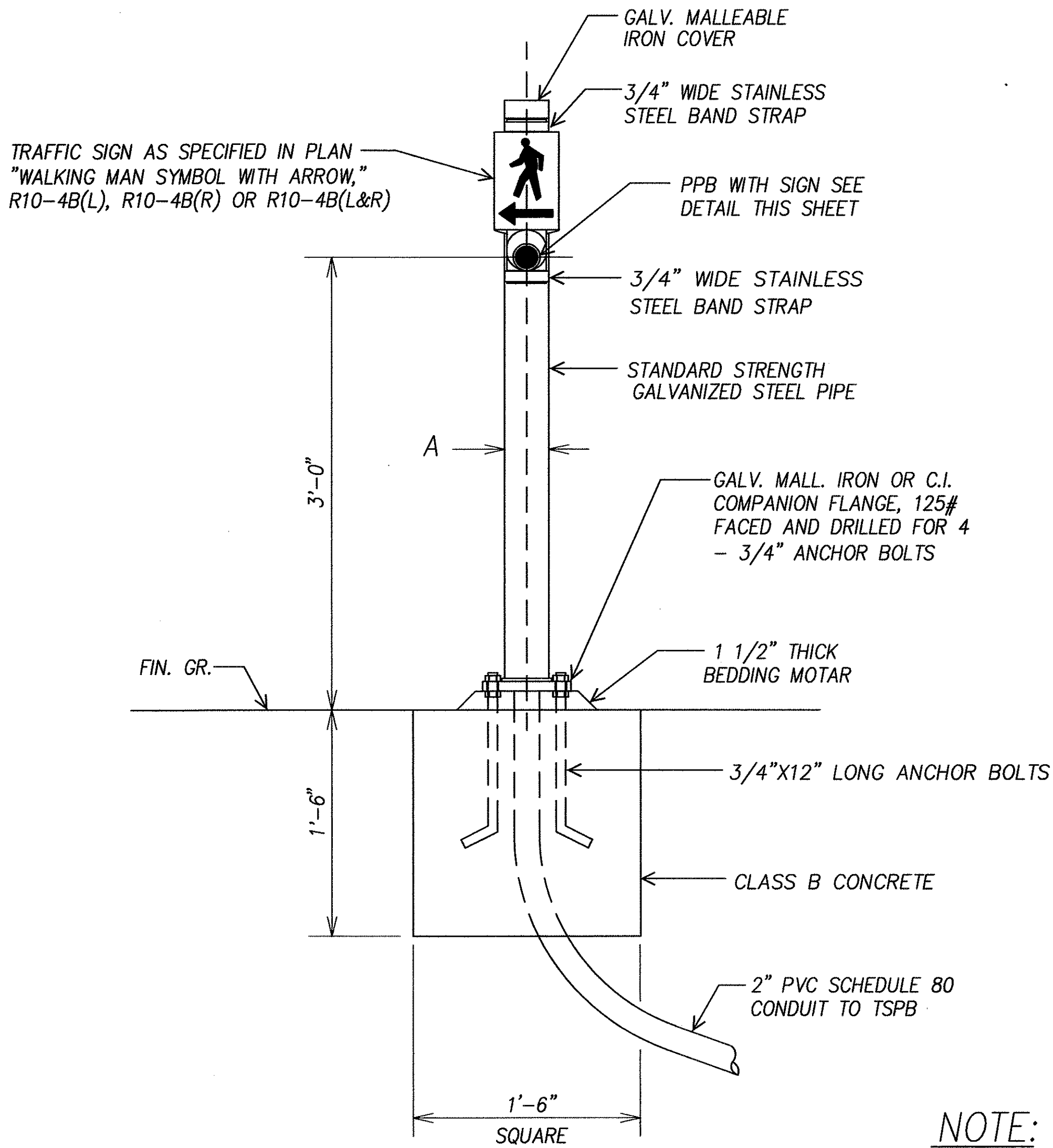
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	158	187



PEDESTRIAN PUSH BUTTON WITH SIGN

MAN, ARROW & PUSH BUTTON - WHITE
BACKGROUND - BLACK

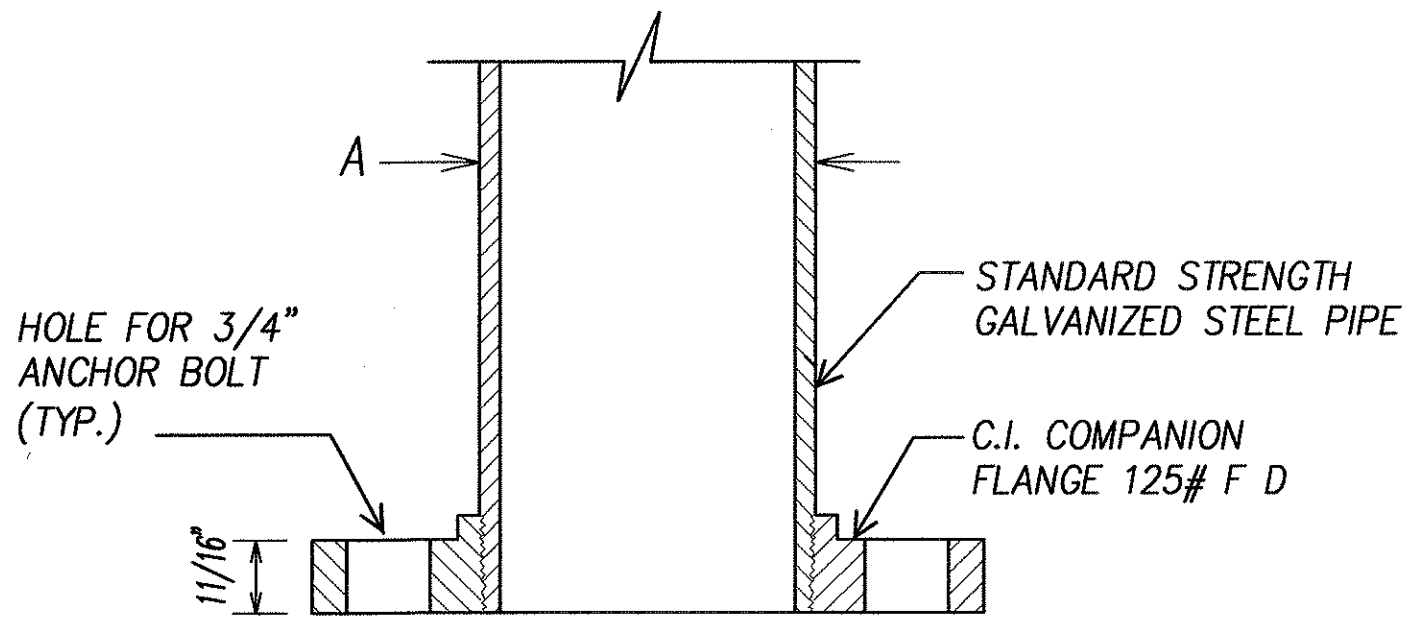
NOTE:
THERE SHALL BE A 30" X 48" LEVEL GROUND SURFACE (2% MAX. CROSS SLOPE, BOTH DIRECTIONS) FOR A FORWARD OR SIDE APPROACH, AS APPROPRIATE, TO A PEDESTRIAN PUSH BUTTON. LOCATION OF PEDESTRIAN PUSH BUTTON SHALL BE SHOWN ON CIVIL PLANS IN ADDITION TO ELECTRICAL PLANS.



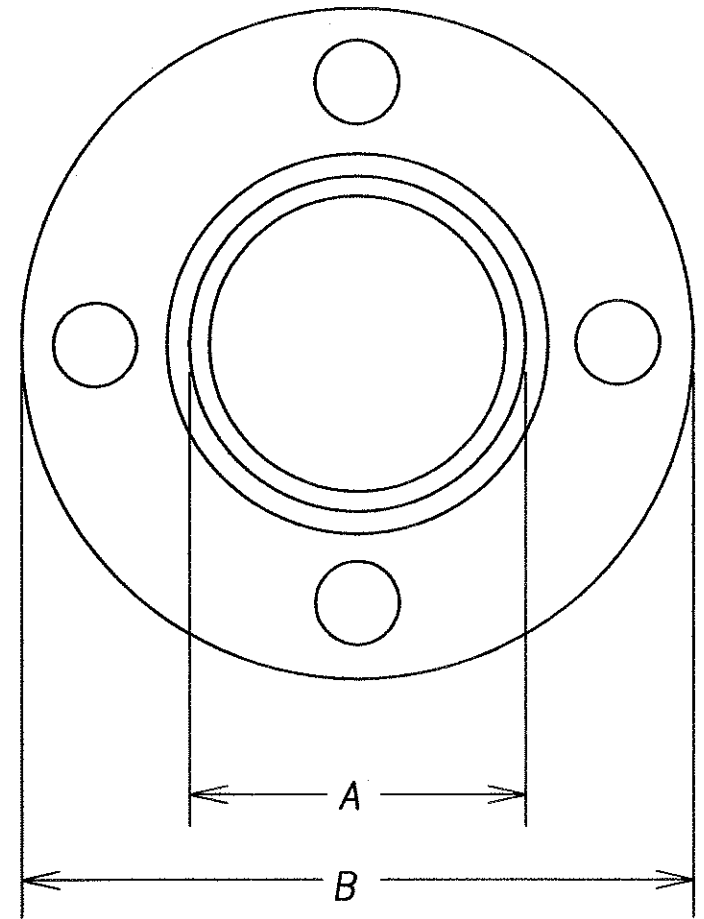
PPB POST AND FOOTING DETAIL

DATA TABLE FOR PPB POST		
AMOUNT OF PPB	DIMENSIONS	
	A	B
1	3 1/2"	8"
2 -> 3	4 1/2"	9"

- NOTE:
1. CONDUITS SHALL PROTRUDE 2" MAX. ABOVE FINISHED SURFACE OF FOUNDATION.
 2. CONDUITS SHALL SLOPE AWAY FROM POST FOUNDATION.

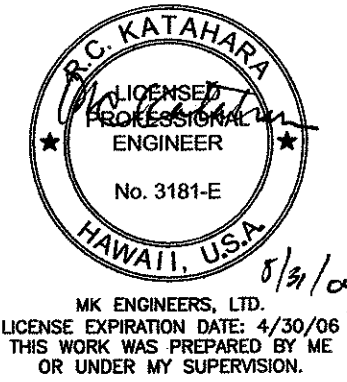


SECTION



TOP VIEW
FLANGE DETAIL

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
NO.	_____



DTS, C&C HONOLULU DRAWING REVIEWED 17

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

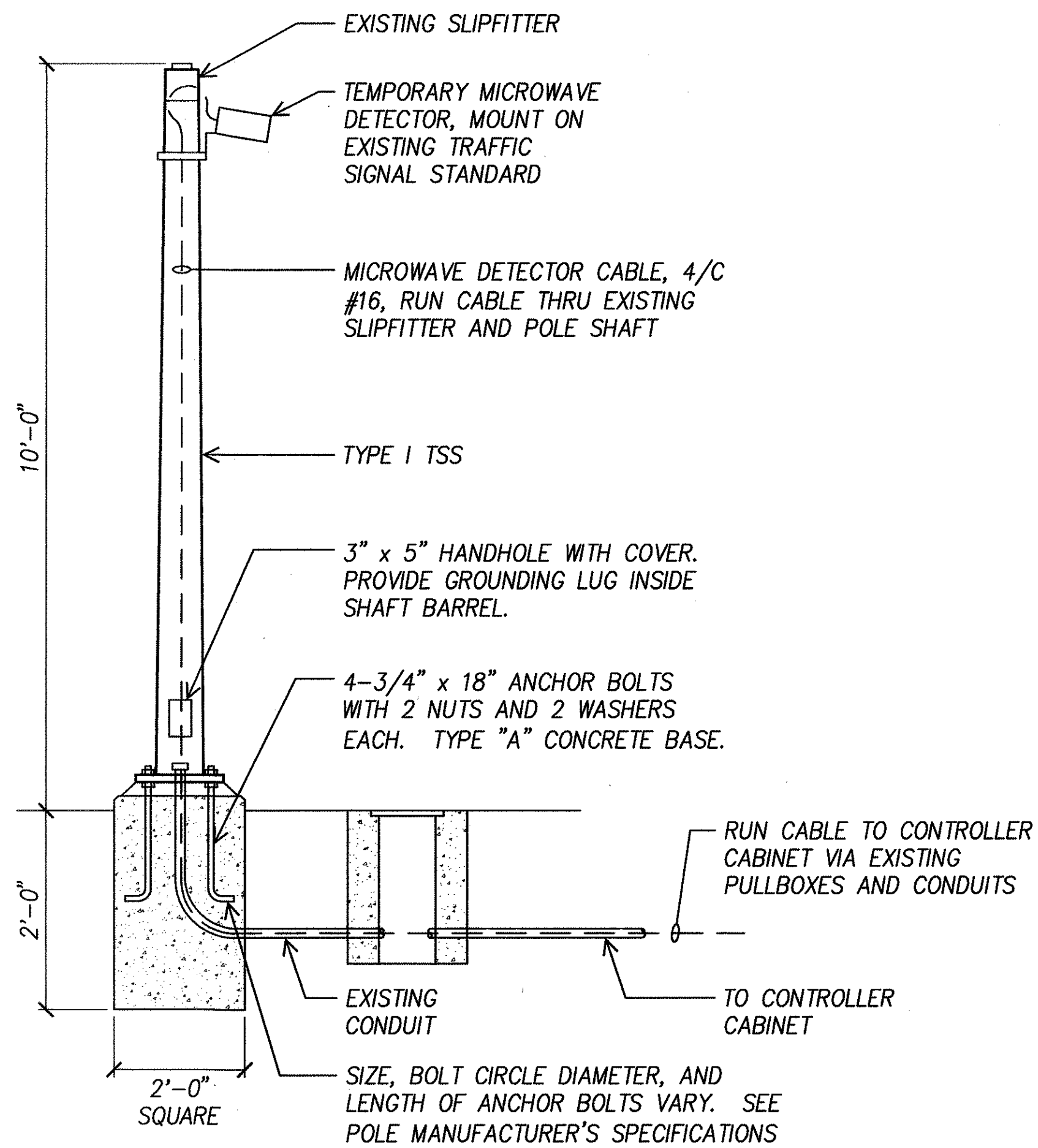
**PEDESTRIAN PUSH BUTTON
DETAILS**

*Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)*

Scale: As Noted Date: Aug 2004

SHEET No. E-3 OF 32 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	159	187

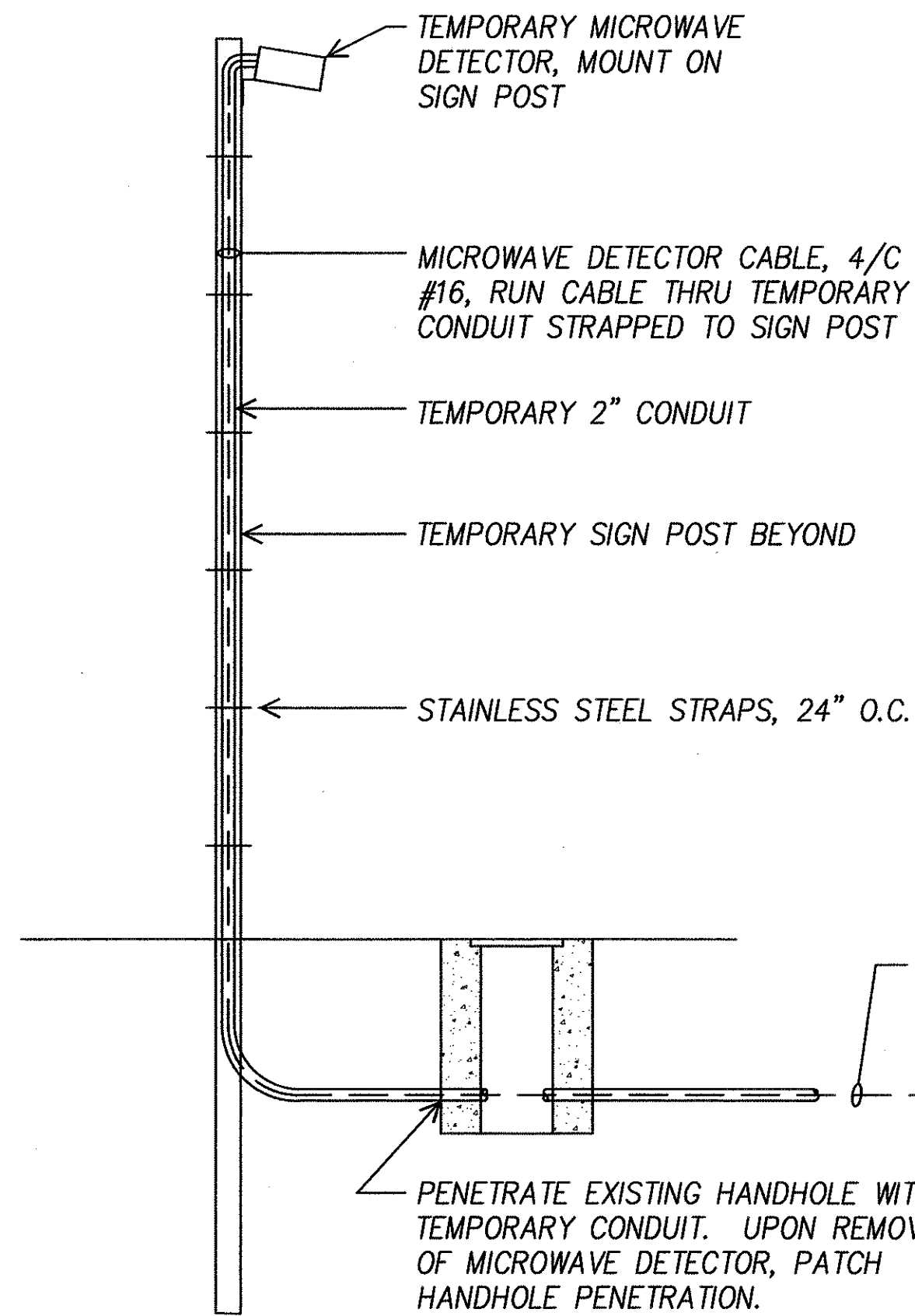


AT EXISTING TRAFFIC SIGNAL STANDARD

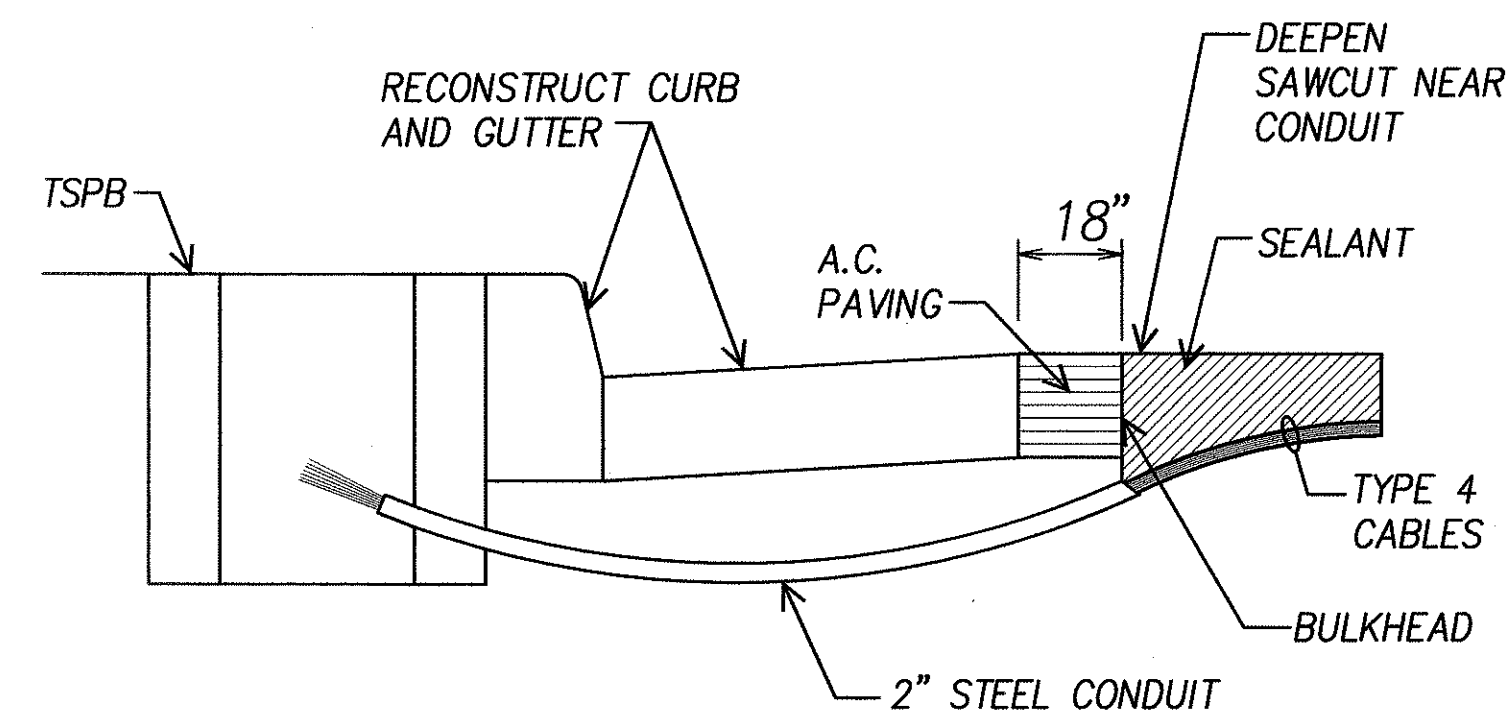
NOTES:

1. STANDARDS SHALL BE DESIGNED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS.
2. CONCRETE SHALL BE CLASS "B".
3. TYPE "A" CONCRETE BASE SHALL BE USED FOR TYPE I-10, TRAFFIC SIGNAL STANDARDS.
4. CONDUIT BEND IS INCIDENTAL TO CONCRETE BASE.

A TEMPORARY MICROWAVE DETECTOR DETAIL
E-4 NOT TO SCALE



AT TEMP SIGN POST



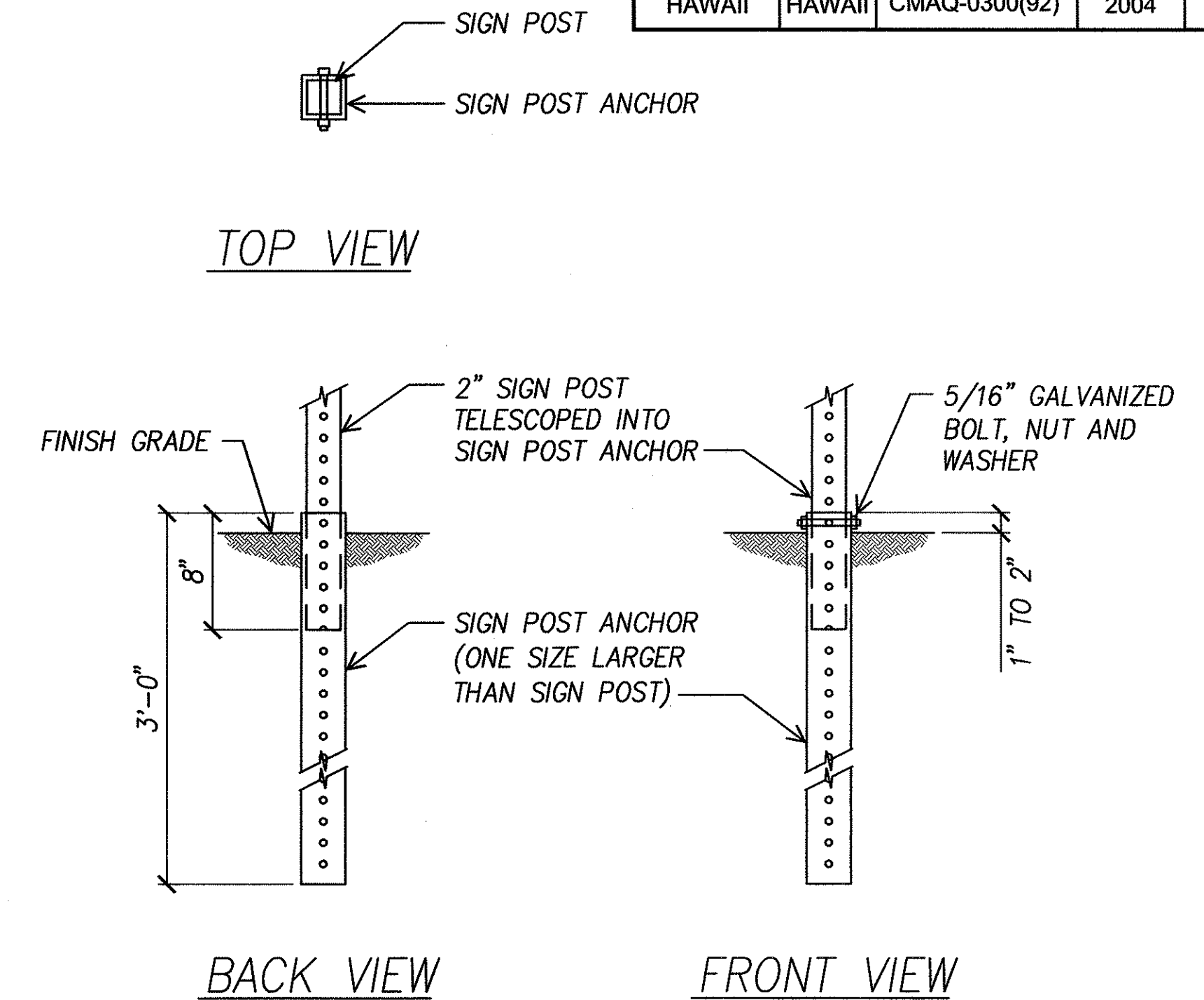
NOTES ON CONSTRUCTION AT END OF SAWCUT

1. SEAL ROADWAY END OF CONDUIT AFTER INSTALLATION OF CONDUCTORS.
2. INSTALL BULKHEAD ACROSS CONDUIT TRENCH.
3. PLACE HOT TAR IN SAWCUT.
4. BACKFILL OVER CONDUIT WITH NEW A.C.
5. RECONSTRUCT CURB AND GUTTER AS REQUIRED.

C DETAIL OF SENSOR LOOP INSTALLATION
E-4 AT EDGE OF ROADWAY

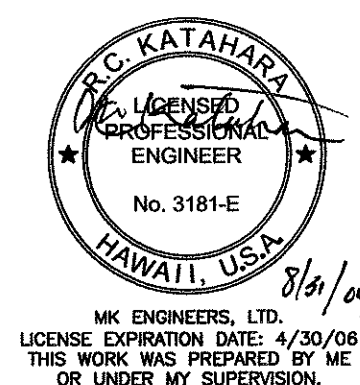
NOTES:

1. MICROWAVE DETECTOR SHALL BE OPERATIONAL BEFORE EXISTING LOOP DETECTORS ARE DEACTIVATED.
2. REMOVE MICROWAVE DETECTOR AND ALL ASSOCIATED CABLES AFTER NEW LOOP DETECTORS ARE INSTALLED AND OPERATIONAL.



B TEMPORARY SIGN POST DETAIL
E-4 NOT TO SCALE

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	



DTS, C&C HONOLULU DRAWING REVIEWED	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TEMPORARY MICROWAVE DETECTOR DETAIL	
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 1 Fed. Aid Proj. No. CMAQ-0300(92)	
Scale: As Noted	Date: Aug 2004
SHEET No. E-4 OF 32 SHEETS	

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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	CHECKED BY	

GENERAL CONSTRUCTION NOTES:

1. PLANS DO NOT INDICATE COMPLETE ELECTRICAL CONDITIONS. CONTRACTOR SHALL VISIT JOBSITE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXTENT OF DEMOLITION AND NEW WORK PRIOR TO THE START OF WORK.
2. PRIOR TO THE START OF WORK, CONTRACTOR SHALL VISIT JOBSITE AND REPORT ANY DISCREPANCIES AND/OR DIFFERENCE IN DRAWINGS, IN RESPECT TO EXISTING CONDITION, TO ENGINEER AND/OR OWNER.
3. CONTRACTOR SHALL RESOLVE ALL DISCREPANCIES AND QUESTIONS PRIOR TO START OF WORK. NO EXTRA PAYMENT SHALL BE ALLOWED ON ACCOUNT OF WORK MADE NECESSARY BY CONTRACTOR'S FAILURE TO VISIT THE SITE AND/OR FAILURE TO RESOLVE DISCREPANCIES AND QUESTIONS.
4. RETURN ALL SALVABLE APPARATUS, AS DETERMINED BY THE CITY OR HIS REPRESENTATIVES, TO A SITE DESIGNATED BY THE CITY OR HIS REPRESENTATIVES, AT NO ADDITIONAL COST TO THE CITY. DISPOSE OF ALL UNWANTED MATERIALS.
5. THE CONTRACTOR IS TO COMPLY WITH THE DIRECTIONS OF THE STATE OF HAWAII OCCUPATIONAL SAFETY AND HEALTH LAW (DOSH).
6. CONTRACTOR SHALL COORDINATE ALL WORK WITH HAWAIIAN ELECTRIC CO. (HECO) AND VERIZON HAWAII, INC., (HTCO).
7. CONTRACTOR SHALL NOTIFY HTCO'S INSPECTORS 72 HOURS PRIOR TO START OF HIS EXCAVATION WORK.
8. PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL VERIFY WITH THE RESPECTIVE UTILITY COMPANIES AND GOVERNMENT AGENCIES, THE LOCATIONS OF ALL ELECTRIC, TELEPHONE, TRAFFIC SIGNAL, STREET LIGHT, FIRE ALARM, GAS, WATER, SEWER, DRAIN, AND OTHER LINES CROSSING THE EXCAVATION PATH OR IN EXCAVATION AREAS.
9. THE LOCATIONS OF ALL NEW TRAFFIC SIGNAL STANDARDS AND CONTROLLERS ON THE DRAWINGS ARE APPROXIMATE. EXACT LOCATION WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. CONFLICTS BETWEEN STANDARDS AND CROSSWALK LOCATIONS SHALL BE AVOIDED WHEREVER POSSIBLE. THE LOCATIONS OF TRAFFIC SIGNAL STANDARDS, CONTROLLERS, PULLBOXES, AND CONDUITS SHALL BE STAKED OUT BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO ANY EXCAVATION.
10. ALL STRUCTURES, PAVEMENTS, UTILITIES, LANDSCAPING, AND OTHER TOPOGRAPHICAL FEATURES SHOWN ON THE INTERSECTION DRAWINGS ARE EXISTING AND ARE TO REMAIN UNLESS NOTED OR INDICATED OTHERWISE.
11. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AND GOVERNMENT AGENCIES OF THEIR INTENT TO BEGIN CONSTRUCTION ON ANY INTERSECTION OR STREET AT LEAST TWO (2) WEEKS PRIOR TO THE START OF SUCH CONSTRUCTION.
12. THE CONTRACTOR MAY CLOSE ONLY ONE LANE OF TRAFFIC AT A TIME FOR ANY REASON. DURING THE PEAK TRAFFIC PERIODS FROM 6:00 TO 9:00 A.M. AND FROM 3:00 TO 6:00 P.M., MONDAY THRU FRIDAY, ALL LANES SHALL BE KEPT OPEN AND MAINTAINED AT ALL TIMES.
13. TYPE "A" BACKFILL – EARTH AND GRAVEL, ROCK SIZE TO BE 1" AND THE MIXTURE TO CONTAIN NOT MORE THAN 50% BY VOLUME OF ROCK PARTICLES. 95% COMPACTION.
14. TYPE "B" BACKFILL – EARTH AND GRAVEL, MIXTURE MUST PASS A 1/2" MESH SCREEN AND CONTAIN NOT MORE THAN 20% BY VOLUME OF ROCK PARTICLES. 95% COMPACTION.
15. IF NORMAL MATERIAL AT BOTTOM OF TRENCH IS NOT TYPE "B", AN ADDITIONAL 3" SHALL BE EXCAVATED AND TYPE "B" BACKFILL PROVIDED.
16. CONTRACTOR SHALL COMPLETELY RESTORE ALL SIDEWALKS, ROADWAYS, CURBS AND GUTTER DISTURBED BY THE CONSTRUCTION. ALL RESTORATION WORK SHALL CONFORM TO CITY DEPT. OF DESIGN AND CONSTRUCTION STANDARDS.
17. THE CONTRACTOR SHALL COORDINATE WITH THE CITY, ALL SPLICES AND CONNECTIONS IN PULLBOXES, HANDHOLES AND CABINET LOCATIONS PERTAINING TO TRAFFIC SIGNAL; SIGNAL HEADS, PED SIGNALS, PED PUSHBUTTONS, VEHICULAR DETECTORS, PREEMPTION DETECTORS AND INTERIE CIRCUITS SHALL BE PERFORMED BY THE CITY.
18. THE CONTRACTOR SHALL DELIVER ALL EXCESS LAVA ROCK CURB TO THE HONOLULU CORPORATION YARD AT 99-1077 IWAENA STREET. IF ADDITIONAL LAVA ROCK CURB IS REQUIRED, CALL MR. MELVIN MIYATA AT 523-4287 FOR PICKUP.

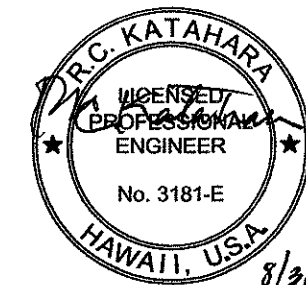
TRAFFIC SIGNAL NOTES:

1. THE LOCATIONS OF THE TRAFFIC SIGNAL STANDARDS, PEDESTRIAN PUSH BUTTON, PULLBOXES, CONDUITS SHALL BE STAKED OUT IN THE FIELD BY THE CONTRACTOR AND APPROVAL OF THE LOCATIONS SHALL BE OBTAINED FROM THE ENGINEER PRIOR TO CONSTRUCTION AND INSTALLATION.
2. ALL SPlicing SHALL BE DONE IN THE PULLBOXES.
3. SHOULD ANY DEFECT BE ENCOUNTERED DURING THE WARRANTY PERIOD, THE MANUFACTURER WILL BE NOTIFIED AND HE SHALL PROMPTLY CORRECT SUCH DEFECT. SERVICE CALL (BY FACTORY QUALIFIED REPRESENTATIVE) DURING THE WARRANTY PERIOD FOR REPAIRS OR OTHER MAINTENANCE SHALL BE ANSWERED WITHIN 24 HOURS AND SHALL BE DONE AT NO EXPENSE TO THE STATE. ALL REPAIRS SHALL BE DONE AS SOON AS POSSIBLE.
4. ALL TRAFFIC SIGNAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY", FEDERAL HIGHWAY ADMINISTRATION (1988) AND AMENDMENTS
5. ALL CONDUITS BETWEEN PULLBOXES AND TRAFFIC SIGNAL STANDARDS SHALL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEMS.
6. AFTER INSTALLING ALL THE TRAFFIC SIGNAL CABLES, THE CONTRACTOR SHALL DUCT SEAL ALL CONDUITS IN THE PULLBOXES AND TRAFFIC SIGNAL STANDARDS. THE DUCT SEAL MATERIAL SHALL BE APPROVED BY THE TRAFFIC SIGNAL INSPECTOR/ENGINEER AND SHALL BE CONSIDERED INCIDENTAL TO THE DIRECT BURIED AND/OR CONCRETE ENCASED CONDUITS.
7. CONNECTING INTO EXISTING TRAFFIC SIGNAL SYSTEM AND MARKING ALL NECESSARY ADJUSTMENTS SHALL BE PAID FOR SEPARATELY, BUT CONSIDERED INCIDENTAL TO THE VARIOUS TRAFFIC SIGNAL CONTRACT ITEMS.
8. THE CONTRACTOR SHALL NOTIFY THE TRAFFIC CONTROL BRANCH, DEPARTMENT OF TRANSPORTATION SERVICES, CITY & COUNTY OF HONOLULU, (PHONE NO. 523-4589) THREE (3) WORKING DAYS PRIOR TO COMMENCING ANY WORK ON THE TRAFFIC SIGNAL SYSTEM.
9. THE DEPARTMENT OF TRANSPORTATION SERVICES, CITY & COUNTY OF HONOLULU, WILL ASSIST THE ENGINEER IN CONSTRUCTION INSPECTION OF THE TRAFFIC SIGNAL SYSTEM.
10. THE TRAFFIC SIGNAL SYSTEM SHALL BE KEPT OPERATIONAL DURING CONSTRUCTION, ANY RELOCATION REQUIRED SHALL BE APPROVED BY THE TRAFFIC CONTROL BRANCH, DEPARTMENT OF TRANSPORTATION SERVICES, AND PAID FOR BY THE CONTRACTOR.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THE EXISTING TRAFFIC SIGNAL FACILITIES, INCLUDING THE TRAFFIC SIGNAL INTERCONNECT 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.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THE EXISTING 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.
13. THE CONTRACTOR SHALL PROVIDE MICROWAVE DETECTOR SYSTEM FOR ALL EXISTING SIGNALIZED INTERSECTIONS WHERE EXISTING LOOP DETECTOR SYSTEM WILL BE OUT OF SERVICE FOR MORE THAN ONE (1) WEEK. ALL WORK SHALL BE COORDINATED WITH THE TRAFFIC SIGNALS & TECHNOLOGY, DEPARTMENT OF TRANSPORTATION SERVICES, AND PAID FOR BY THE CONTRACTOR.

HIGHWAY LIGHTING NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE STATE HIGHWAYS, HIGHWAY LIGHTING AND TRAFFIC SUPERVISOR 72 HOURS IN ADVANCE BEFORE COMMENCING ANY WORK ON THE HIGHWAY LIGHTING SYSTEM. PHONE: 837-8056.
2. THE CONTRACTOR SHALL HAVE ONE SET OF APPROVED PLANS AT THE JOB SITE AT ALL TIMES DURING THE CONSTRUCTION WORK AND RECORD ALL CHANGES WHICH OCCUR DURING CONSTRUCTION OF THE HIGHWAY LIGHTING SYSTEM.
3. FINAL ACCEPTANCE AND INSPECTION WILL BE UNDERTAKEN ONLY AFTER ALL WORK HAS BEEN COMPLETED.
4. THE CONTRACTOR SHALL MAINTAIN EXISTING CIRCUITING AND OPERATION OF THE LIGHTING SYSTEM DURING THE HOURS OF DARKNESS.
5. THE CONTRACTOR SHALL LOCATE EXISTING BURIED UTILITY LINES IN THE VICINITY OF THE EXCAVATION WORK PRIOR TO COMMENCING EXCAVATION. AS A MINIMUM, AND ELECTRONIC MAGNETIC DEVICE FOR DETECTION OF BURIED LINES SHALL BE UTILIZED PRIOR TO EXCAVATION. TRENCHES SHALL BE EXCAVATED WITH CARE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES RESULTING FROM HIS NEGLIGENCE AND SHALL BEAR COST OF REPAIRS TO THE UTILITIES METHOD OF REPAIR SHALL BE DETERMINED BY THE STATE.

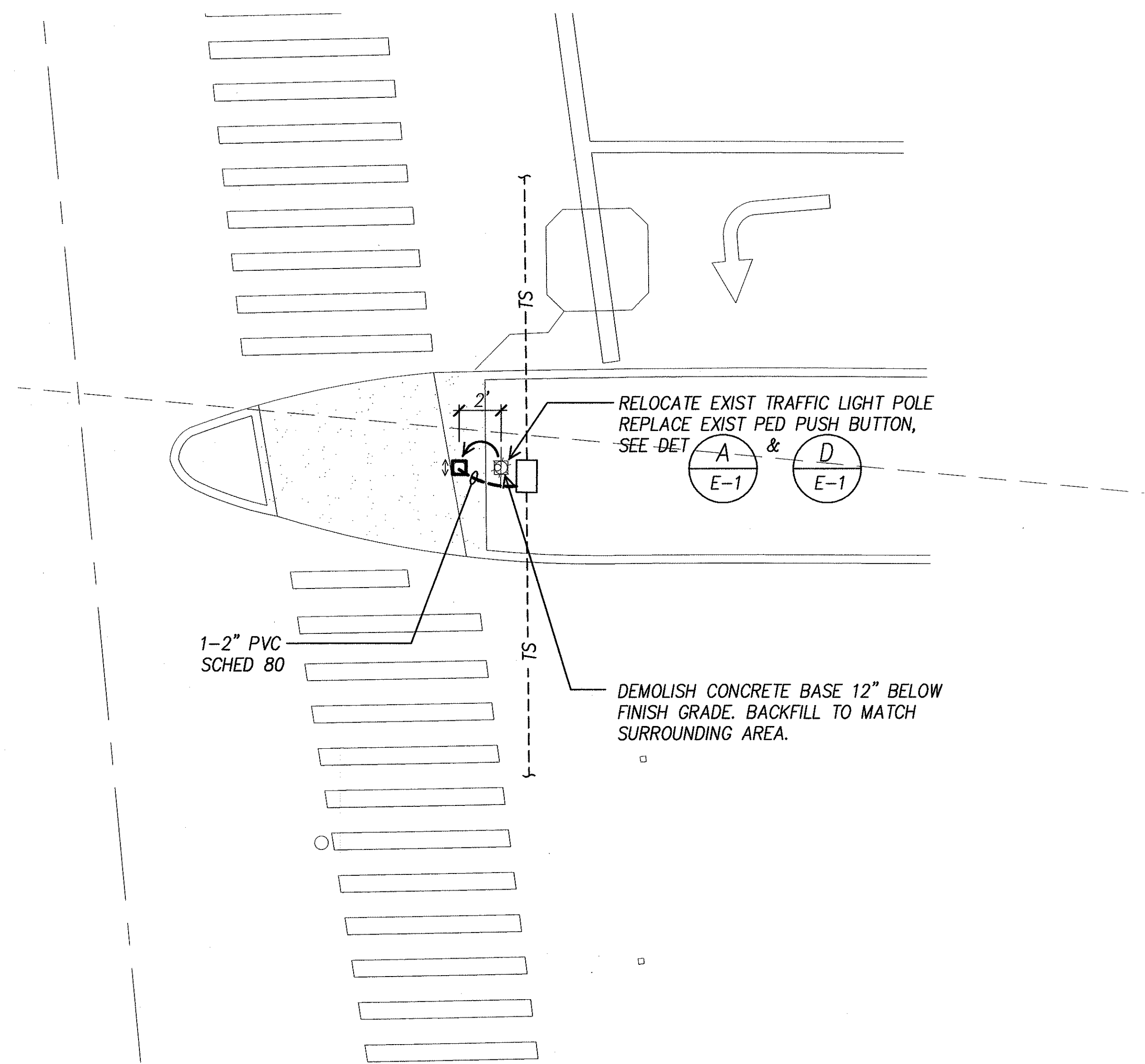
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	160	187



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OR UNDER MY SUPERVISION.

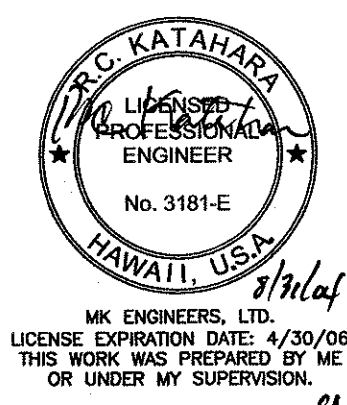
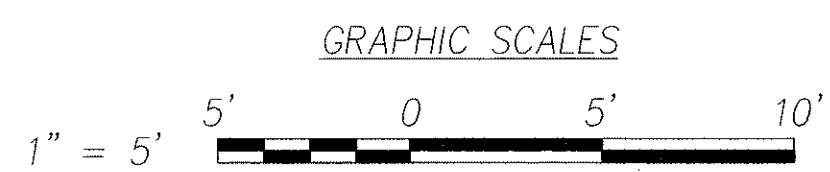
DTS, C&C HONOLULU DRAWING REVIEWED		1
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
NOTES		
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 1 Fed. Aid Proj. No. CMAQ-0300(92)		
Scale: As Noted		Date: Aug 2004
SHEET No. E-5 OF 32 SHEETS		

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	162	187



A ELECTRICAL PLAN – VINEYARD BLVD. & PALAMA STREET
E-7 INTERS. ID NO. 10187
SCALE: 1" = 5'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	



DTS, C&C HONOLULU DRAWING REVIEWED *7*

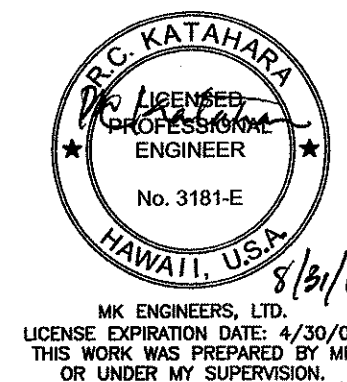
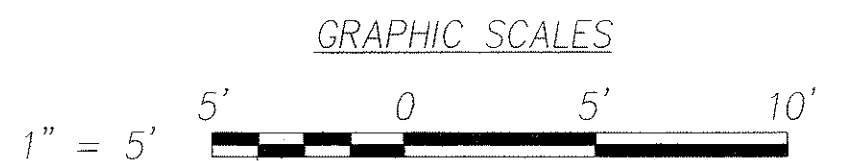
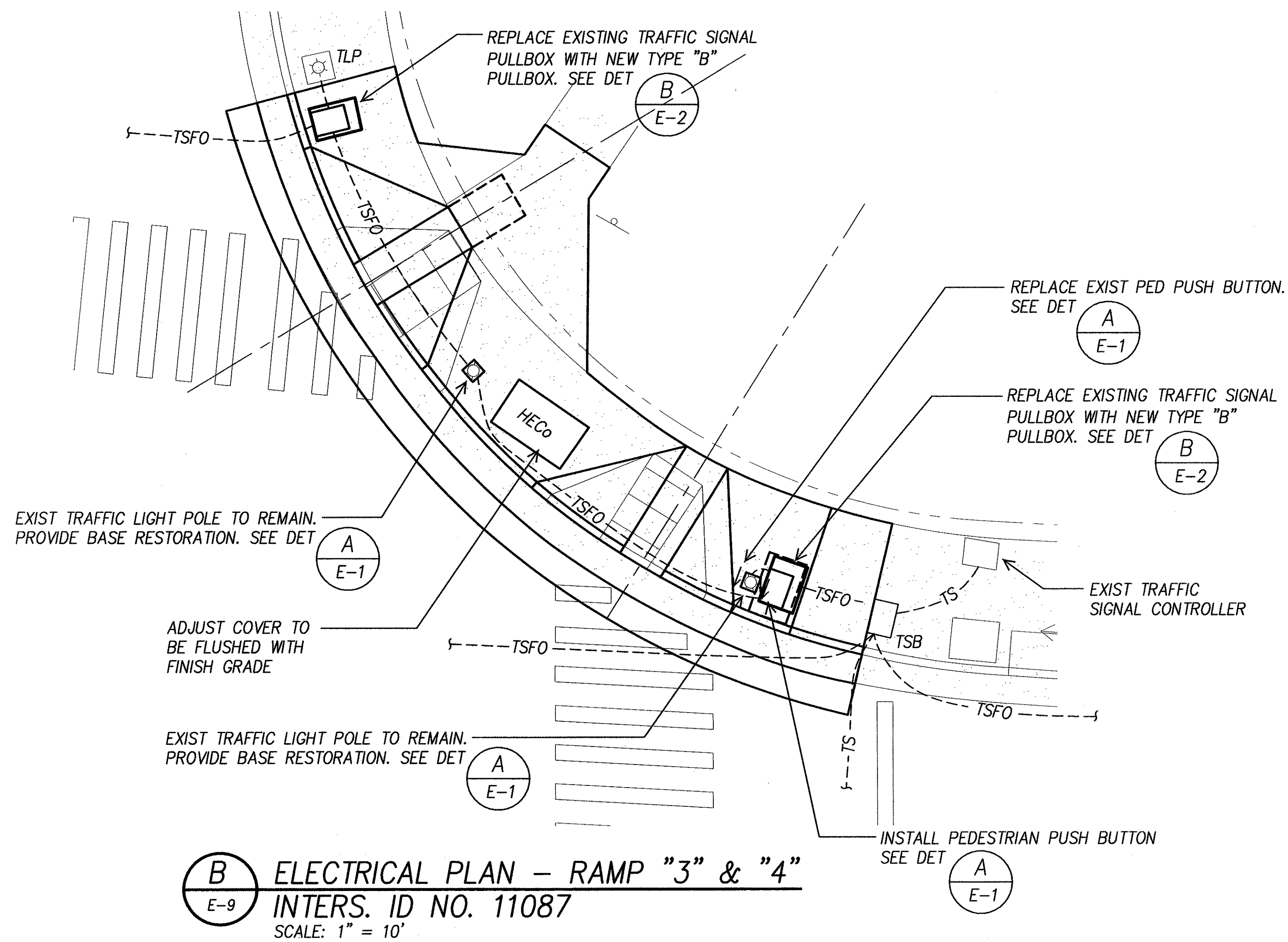
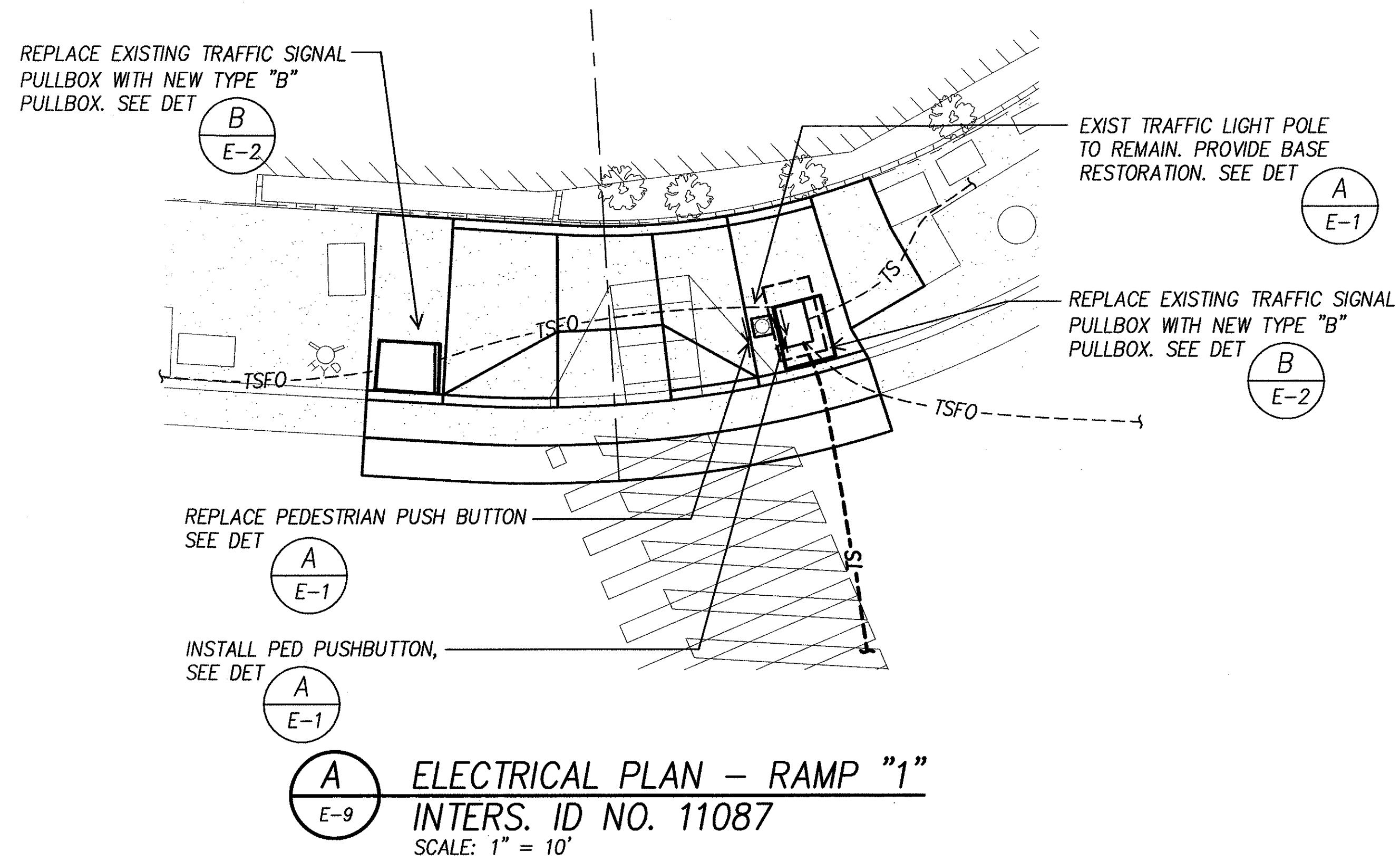
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL PLAN
VINEYARD BLVD. & PALAMA STREET
Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

Scale: *As Noted* Date: *Aug 2004*

SHEET No. E-7 OF 32 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	164	187



DTS, C&C HONOLULU DRAWING REVIEWED

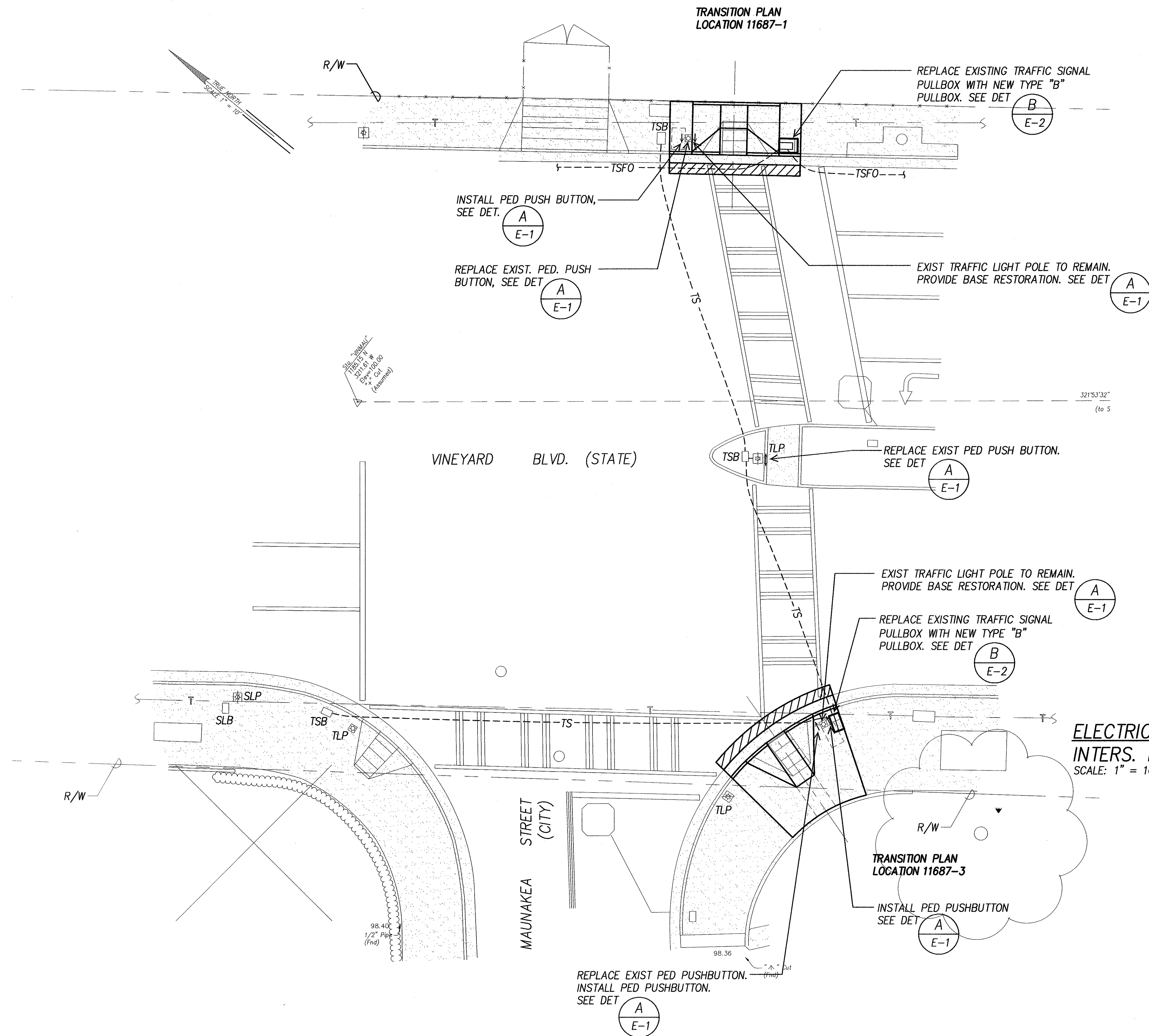
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL PLAN
VINEYARD BLVD. & LILIHA STREET
Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

Scale: As Noted Date: Aug 2004

SHEET No. E-9 OF 32 SHEETS


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	165	187



ELECTRICAL SITE PLAN – VINEYARD BLVD. & MAUNAKEA STREET
INTERS. ID NO. 11687
 SCALE: 1" = 10'

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'



DTS, C&C HONOLULU DRAWING REVIEWED ?


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL SITE PLAN
VINEYARD BLVD. & MAUNAKEA STREET

Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

Scale: As Noted *Date: Aug 2004*

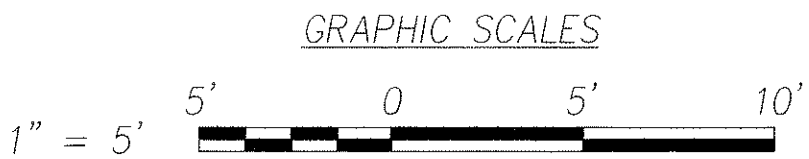
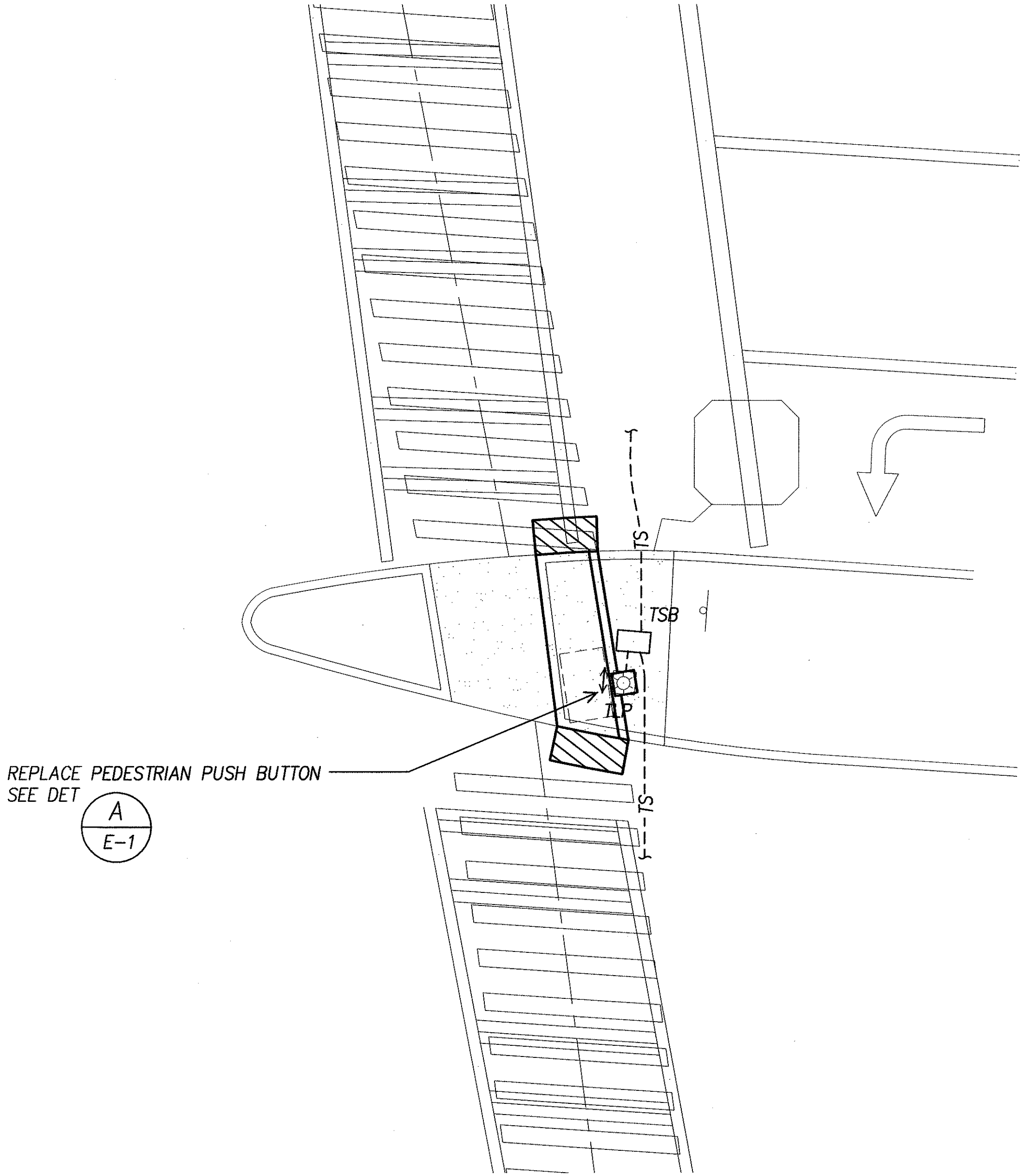
SHEET No. E-10 OF 32 SHEETS



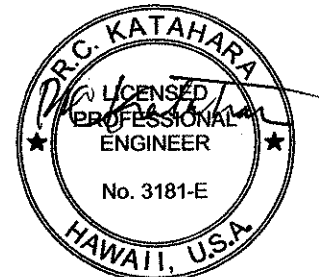
8/31

MK ENGINEERS, LTD.
 LICENSE EXPIRATION DATE: 4/30
 THIS WORK WAS PREPARED BY
 OR UNDER MY SUPERVISION.

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	168	187



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
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LICENSE EXPIRATION DATE: 4/30/06
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

DTS, C&C HONOLULU DRAWING REVIEWED 7

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

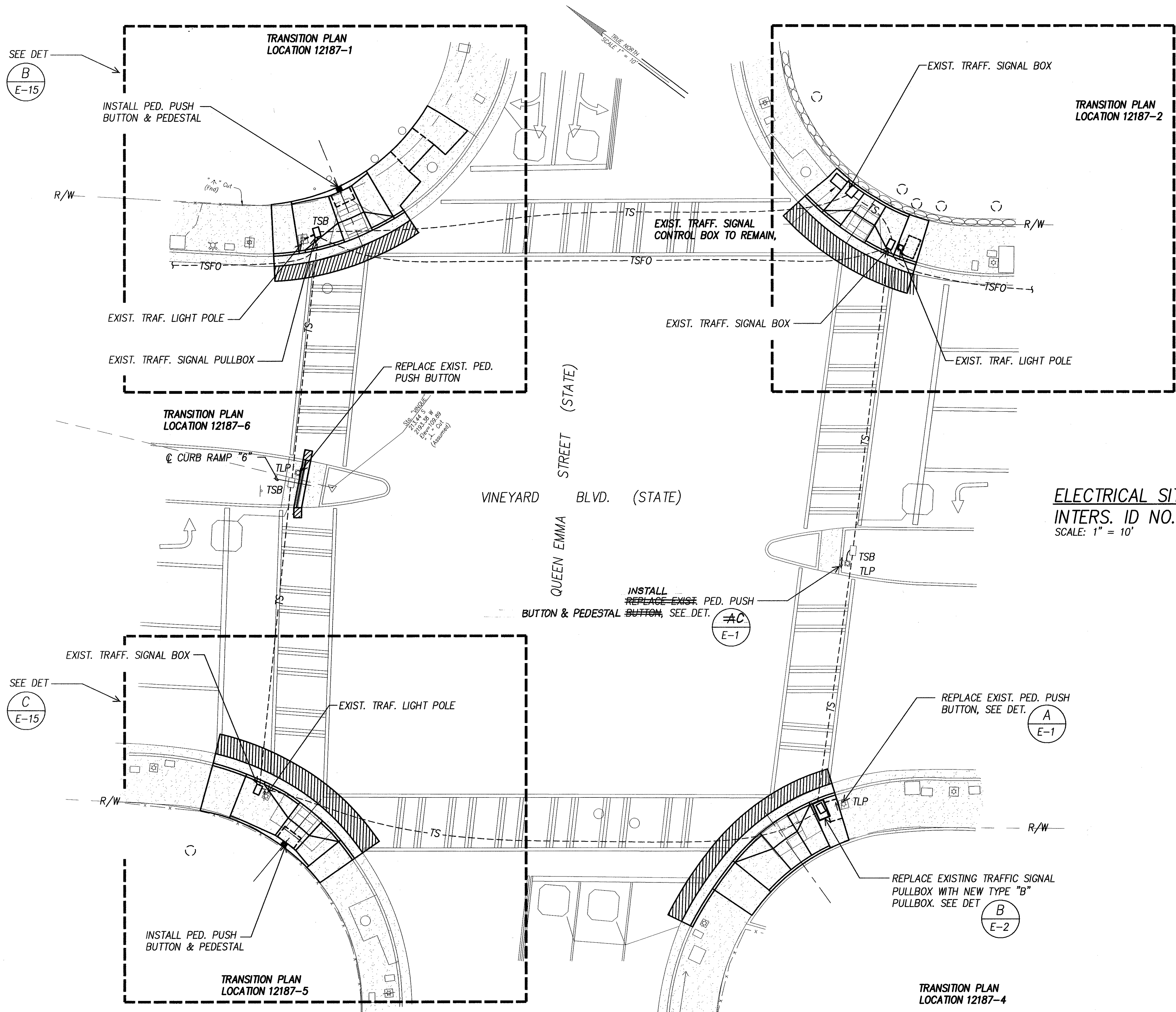
ELECTRICAL PLAN
VINEYARD BLVD & PALI HIGHWAY

*Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)*

Scale: As Noted Date: Aug 2004

SHEET No. E-13 OF 32 SHEETS

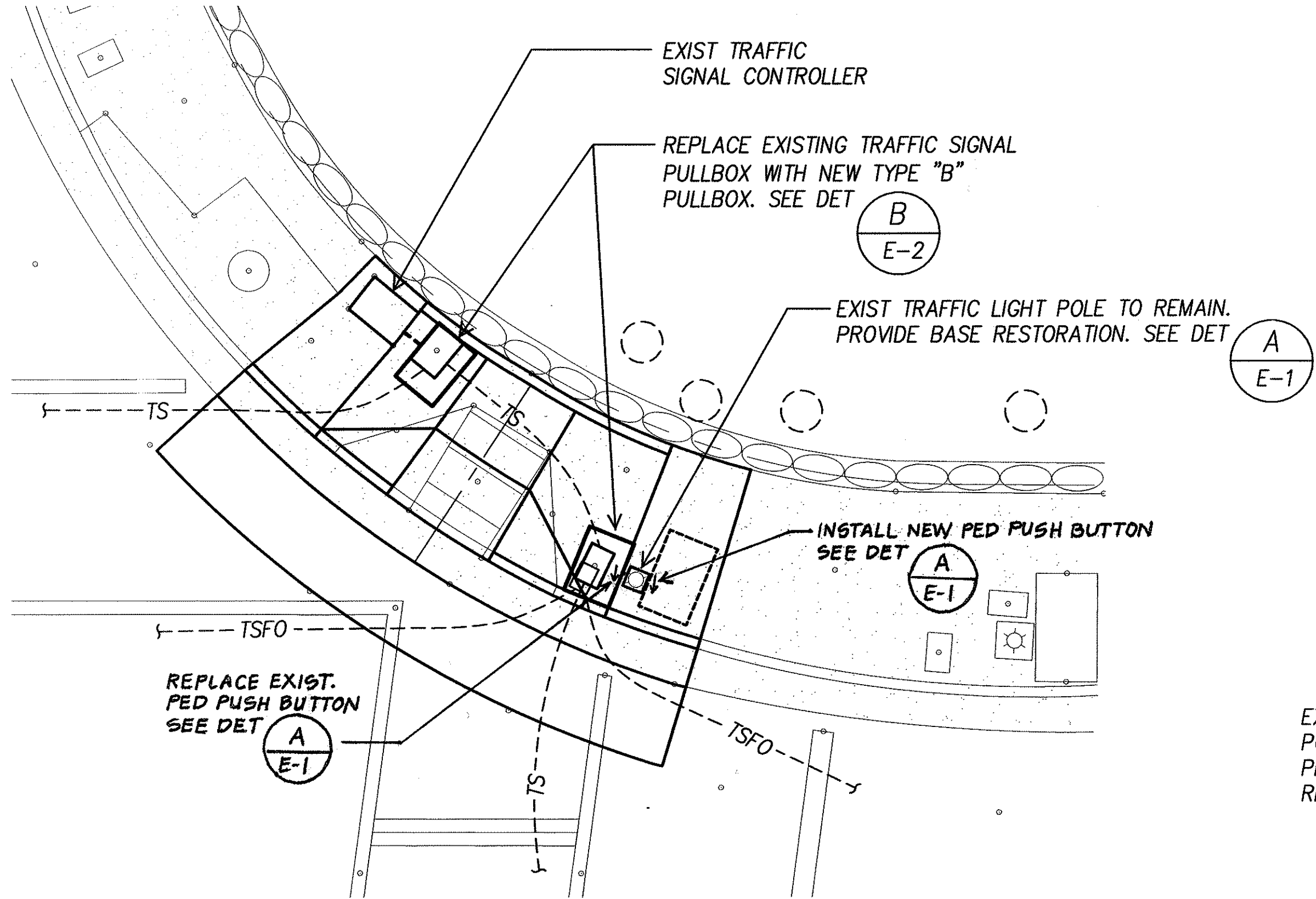
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	169	187



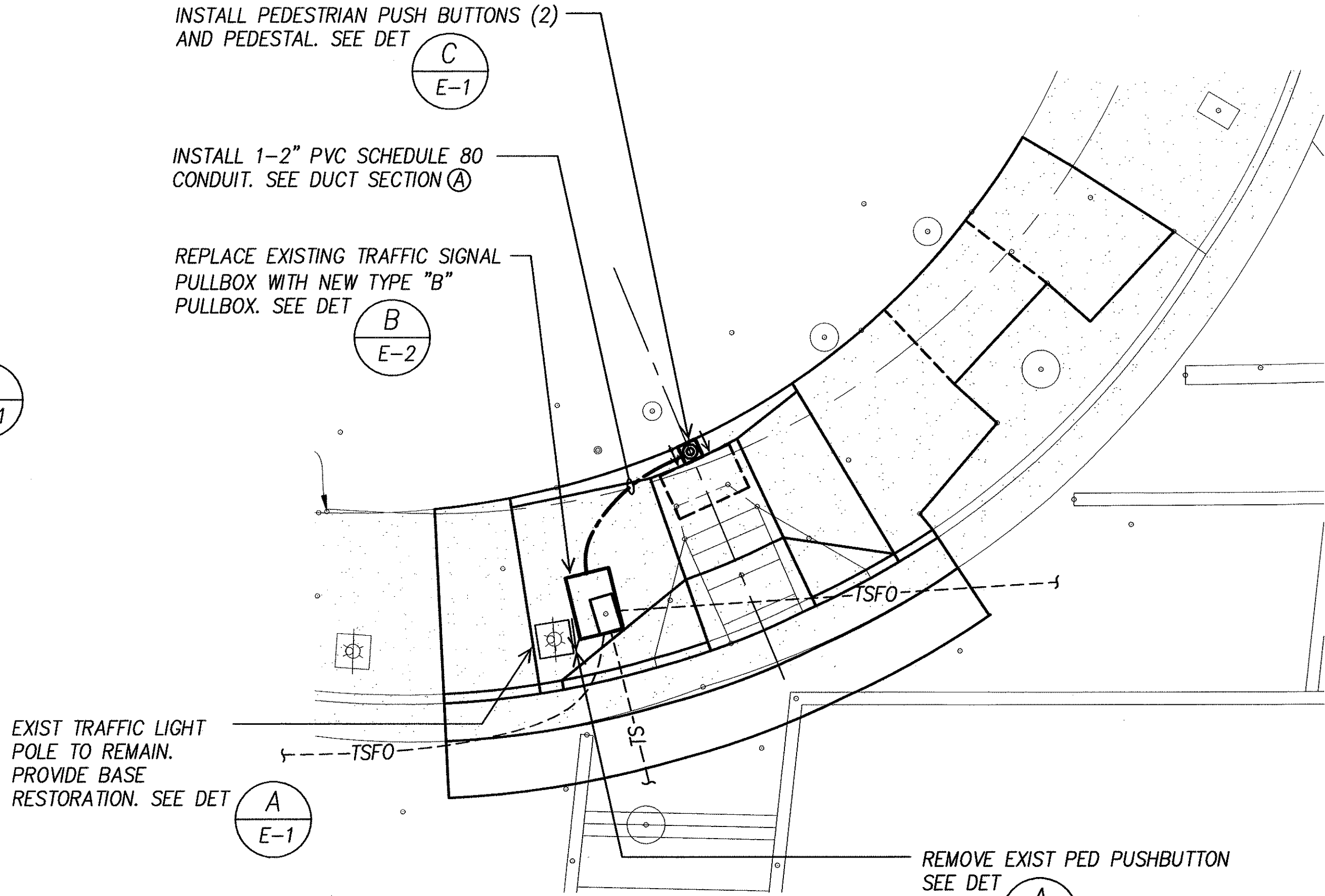
ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

"AS-BUILT"

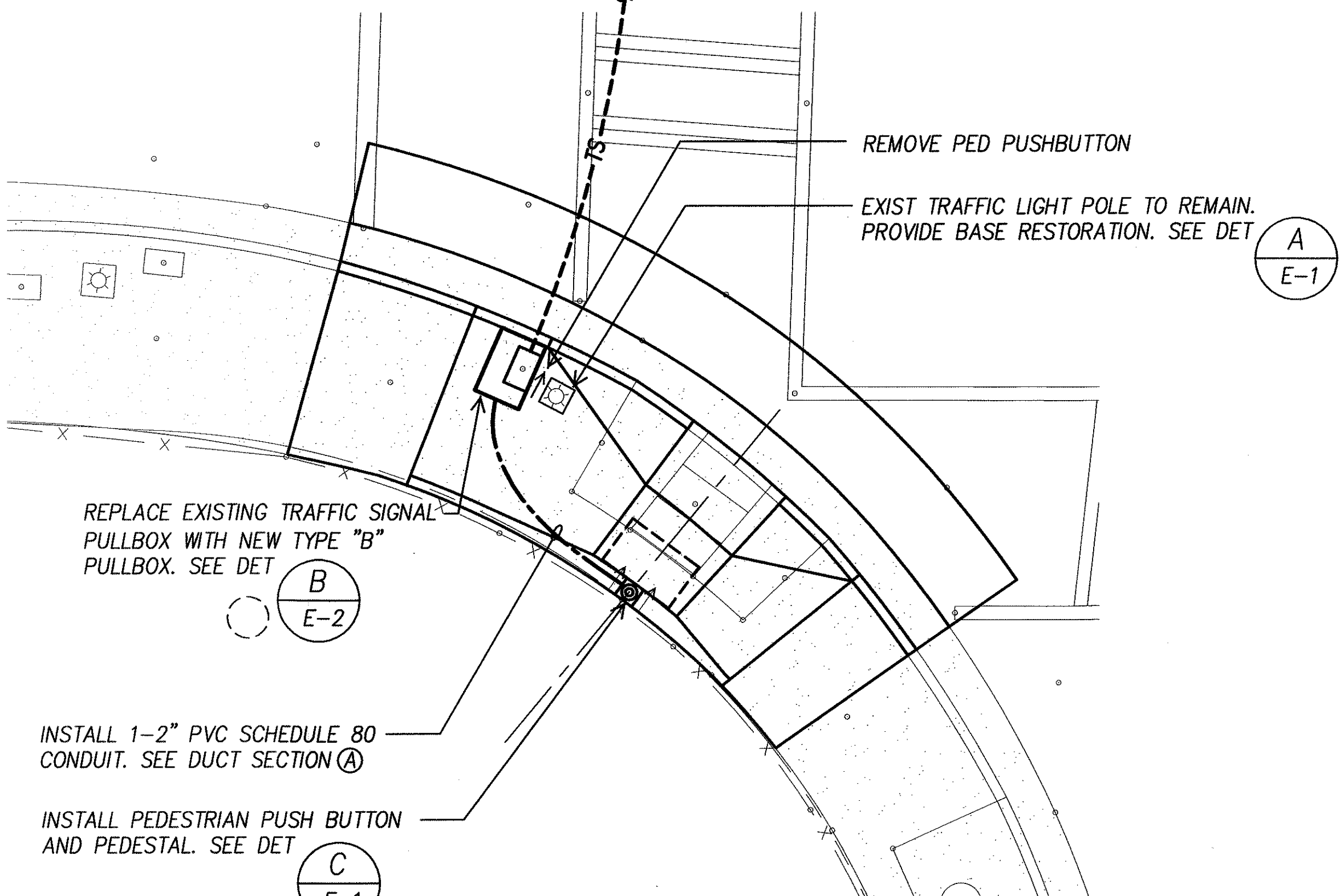
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HAWAII	HAWAII	CMAQ-0300(92)	2004	170	187



A
E-15 **ELECTRICAL PLAN - RAMP-2**
INTERS. ID NO. 12187
SCALE: 1" = 5'

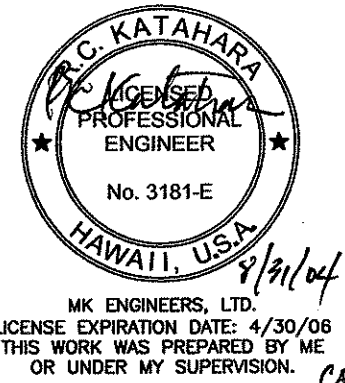
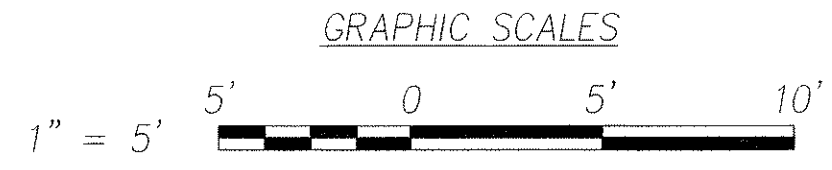


B
E-15 **ELECTRICAL PLAN - RAMP-1**
INTERS. ID NO. 12187
SCALE: 1" = 5'



C
E-15 **ELECTRICAL PLAN - RAMP-5**
INTERS. ID NO. 12187
SCALE: 1" = 5'

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



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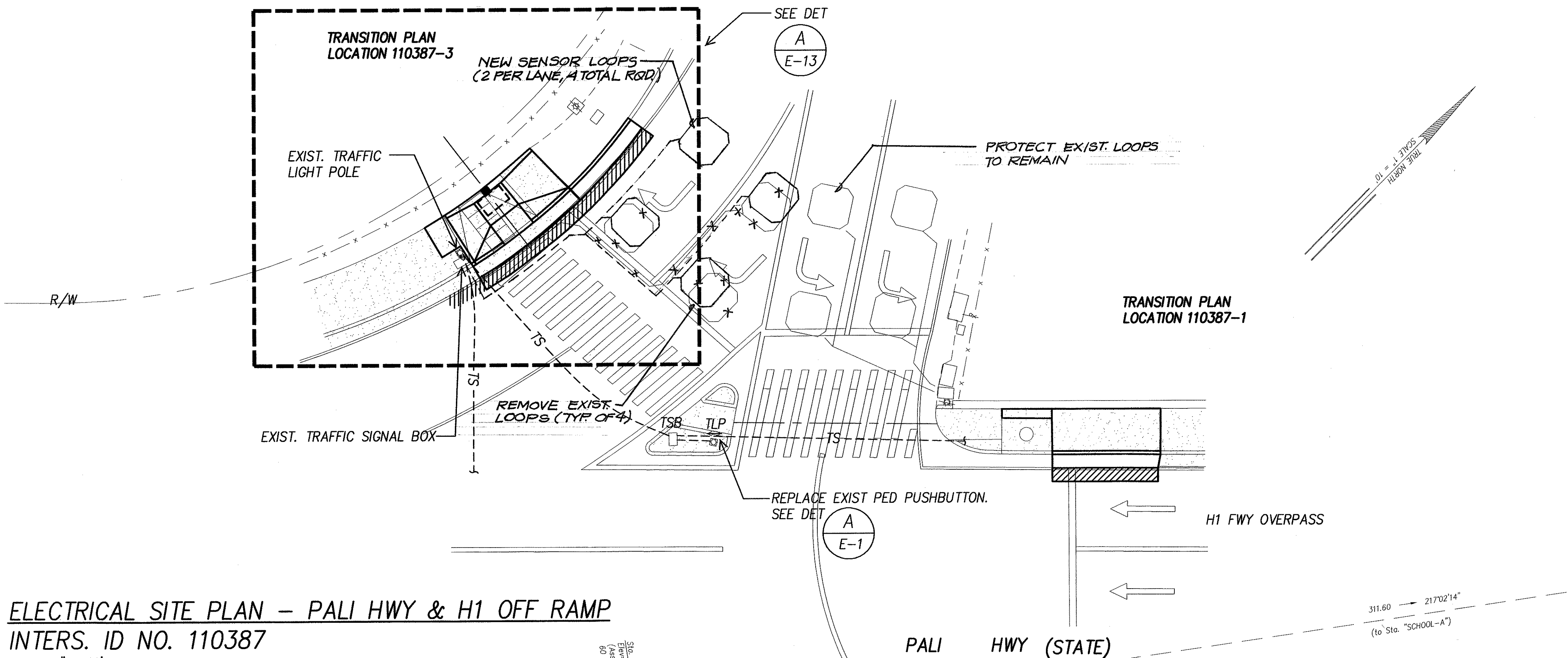
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL PLANS
VINEYARD BLVD. & QUEEN EMMA STREET
Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

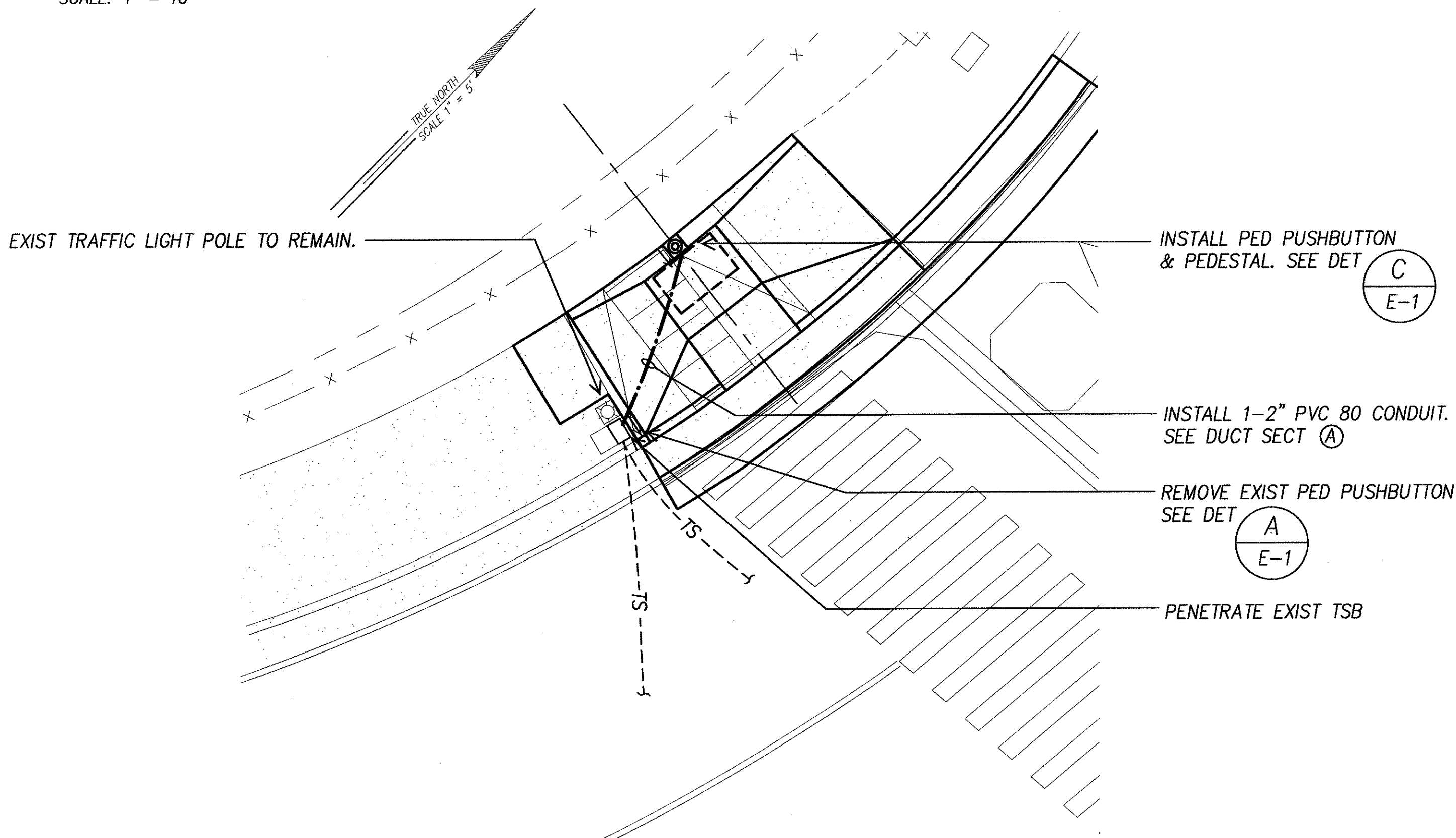
Scale: As Noted Date: Aug 2004

SHEET No. E-15 OF 32 SHEETS

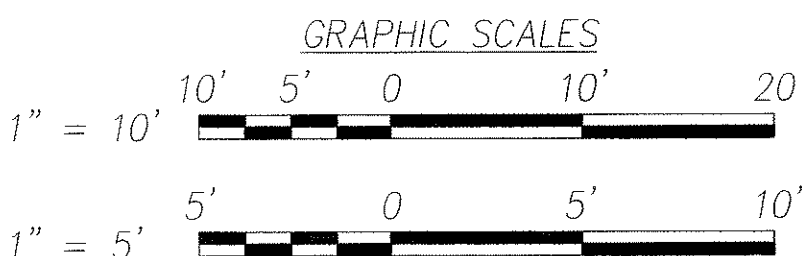
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	171	187



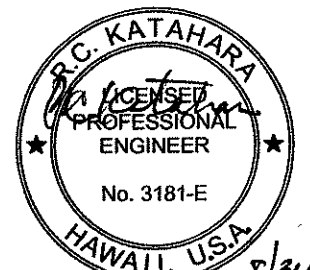
ELECTRICAL SITE PLAN – PALI HWY & H1 OFF RAMP
INTERS. ID NO. 110387
 SCALE: 1" = 10'



A E-13 **ELECTRICAL PLAN – PALI HWY & H1 OFF RAMP**
INTERS. ID NO. 110387
 SCALE: 1" = 5'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

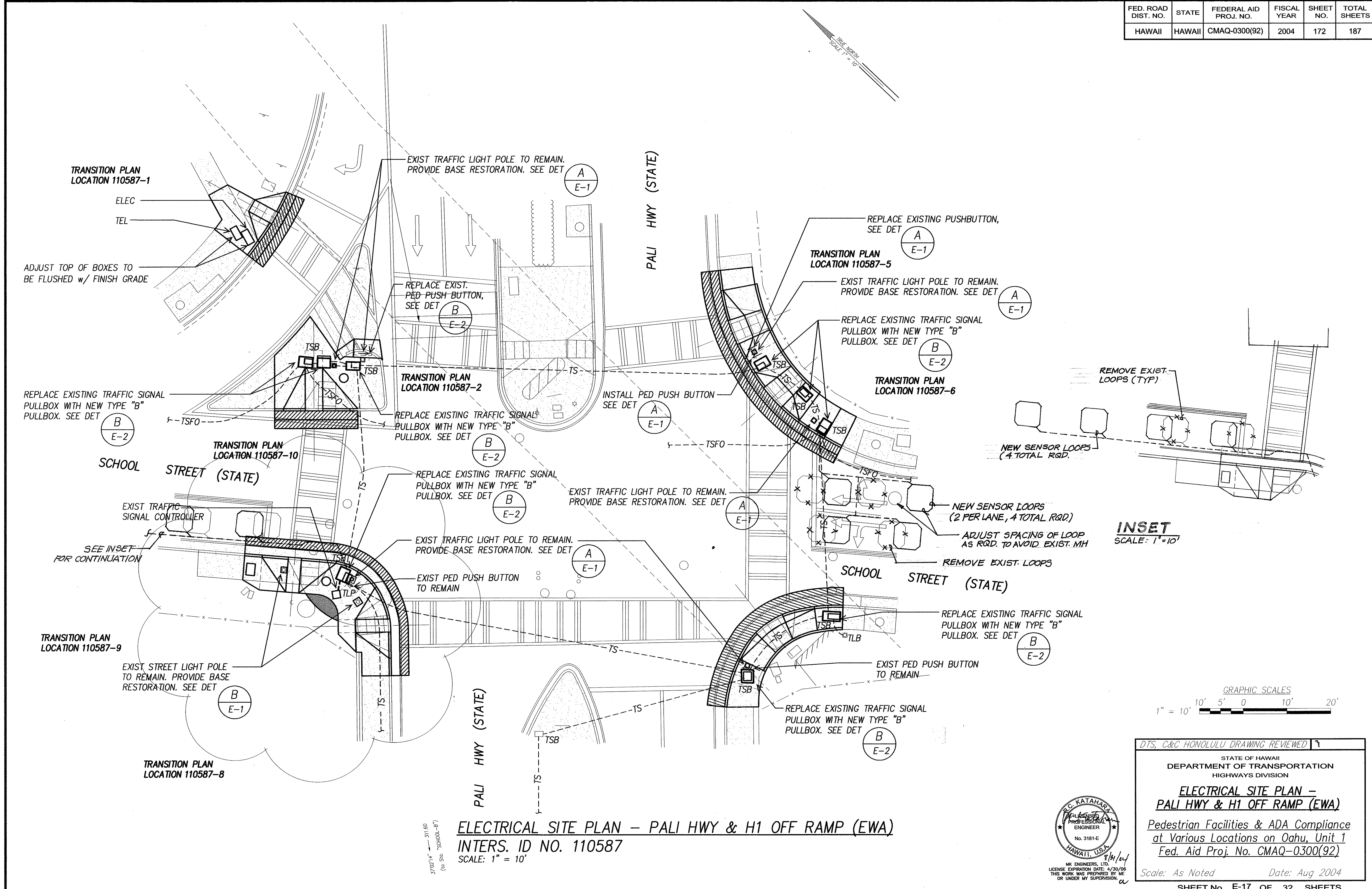


DTS, C&C HONOLULU DRAWING REVIEWED 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ELECTRICAL SITE PLAN
PALI HWY & H1 OFF RAMP
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)
Scale: As Noted Date: Aug 2004
SHEET No. E-16 OF 32 SHEETS

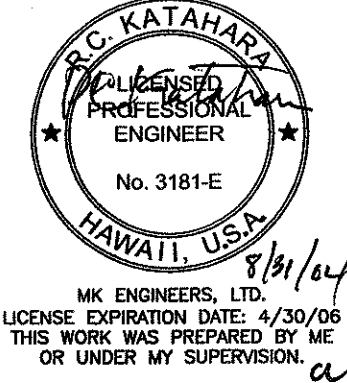
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	172	187



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

ELECTRICAL SITE PLAN - PALI HWY & H1 OFF RAMP (EWA)
INTERS. ID NO. 110587
SCALE: 1" = 10'



DTS, C&C HONOLULU DRAWING REVIEWED

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ELECTRICAL SITE PLAN -
PALI HWY & H1 OFF RAMP (EWA)**

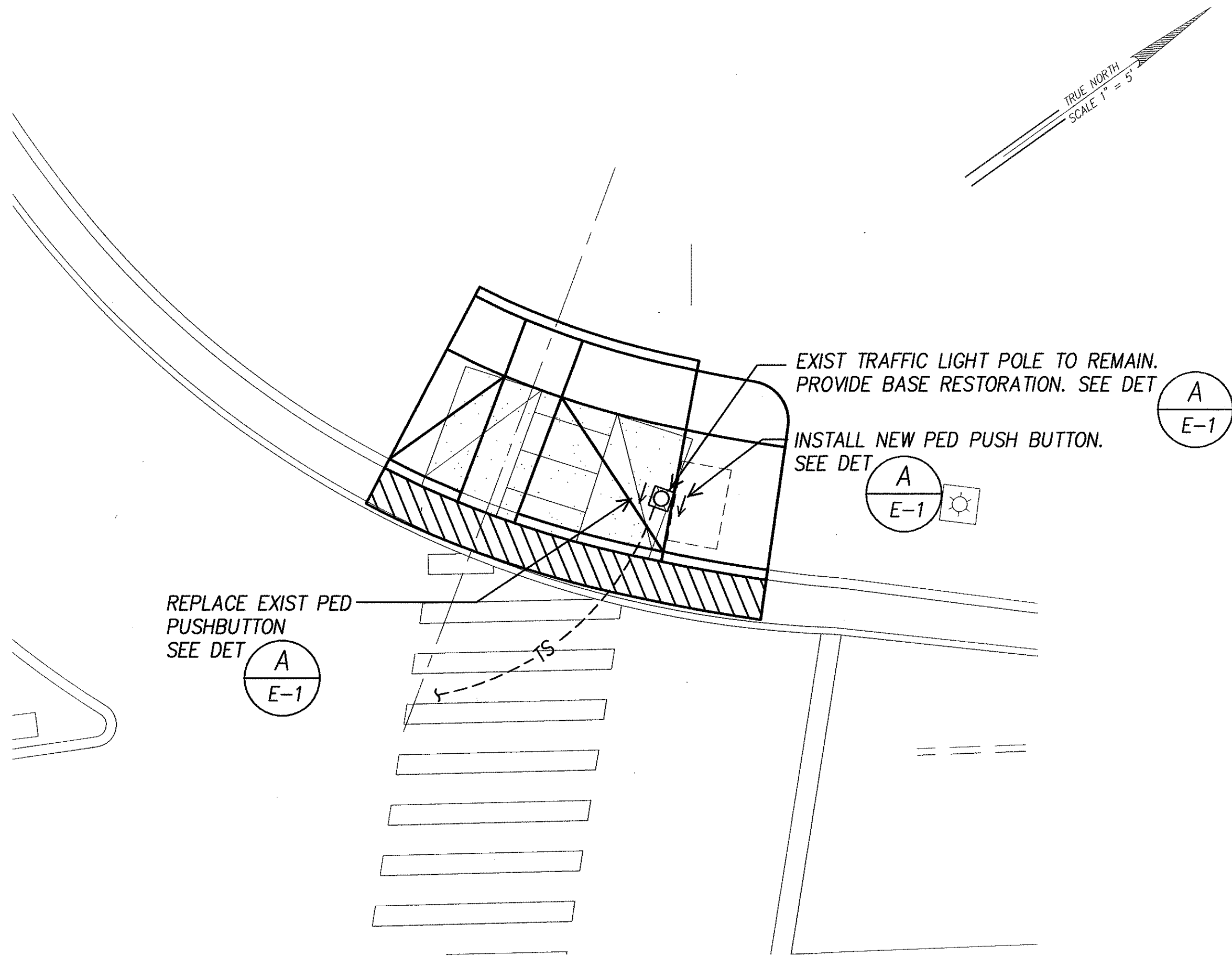
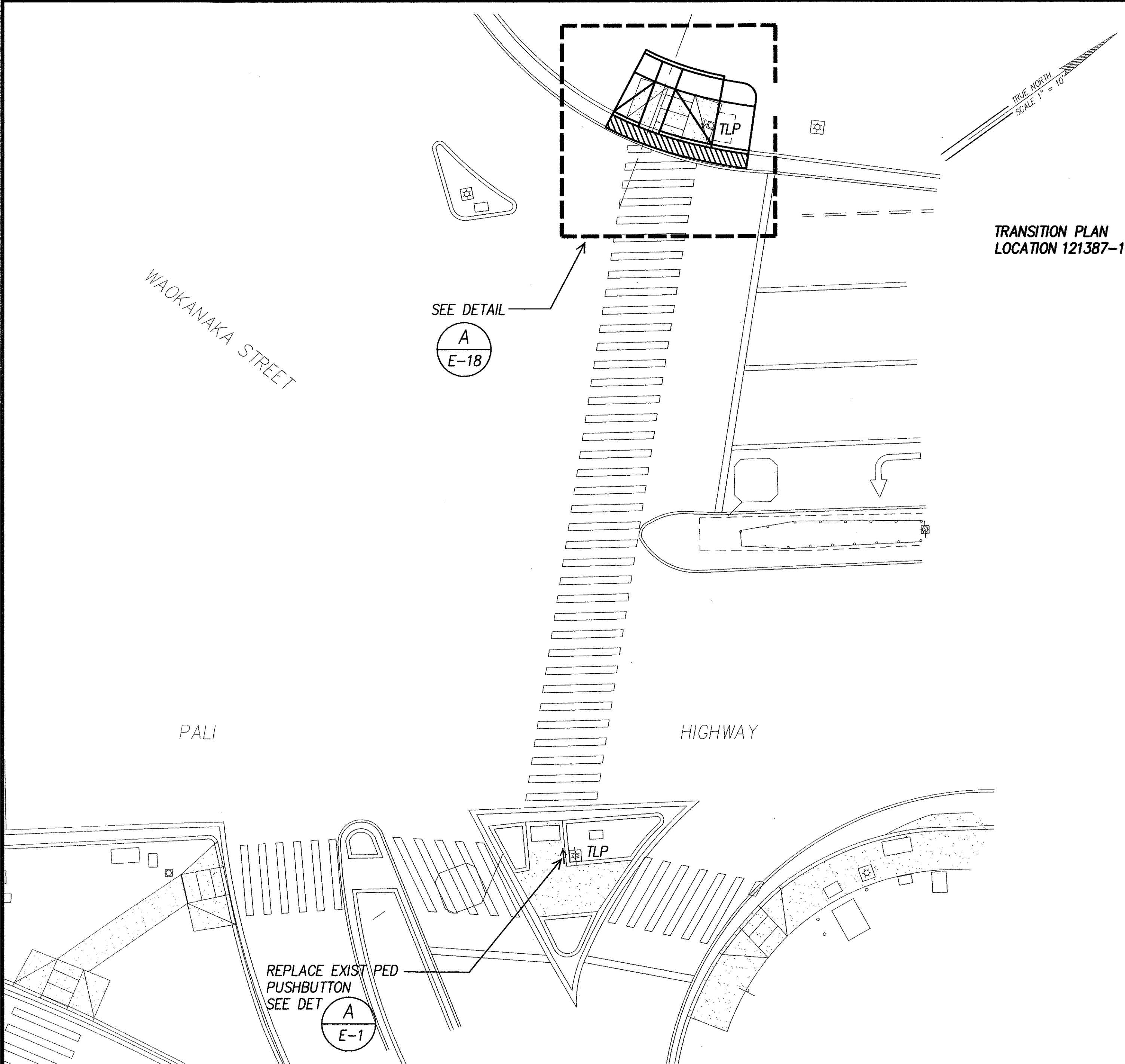
*Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)*

Scale: As Noted Date: Aug 2004

SHEET No. E-17 OF 32 SHEETS

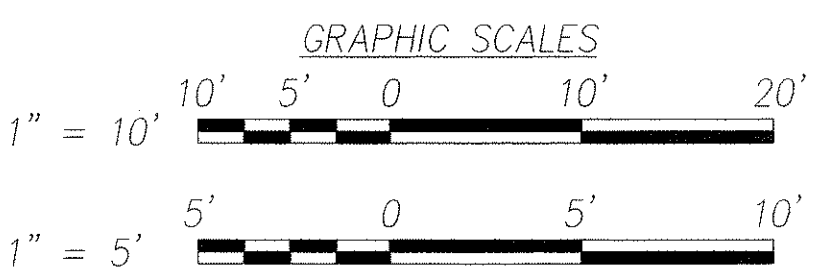
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	173	187



ELECTRICAL PLAN – PALI HWY & WAOKANAKA STREET
INTERS. ID NO. 121387
 SCALE: 1" = 5'

ELECTRICAL SITE PLAN – PALI HWY & WAOKANAKA STREET
INTERS. ID NO. 121387
 SCALE: 1" = 10'



DTS, C&C HONOLULU DRAWING REVIEWED **7**

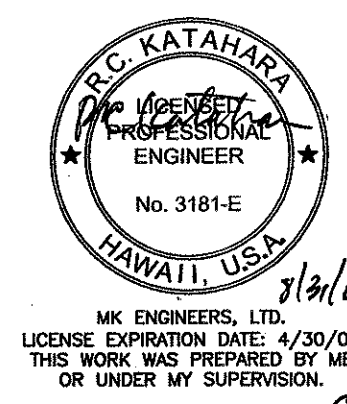
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

**ELECTRICAL SITE PLAN –
 PALI HWY & WAOKANAKA STREET**

*Pedestrian Facilities & ADA Compliance
 at Various Locations on Oahu, Unit 1
 Fed. Aid Proj. No. CMAQ-0300(92)*

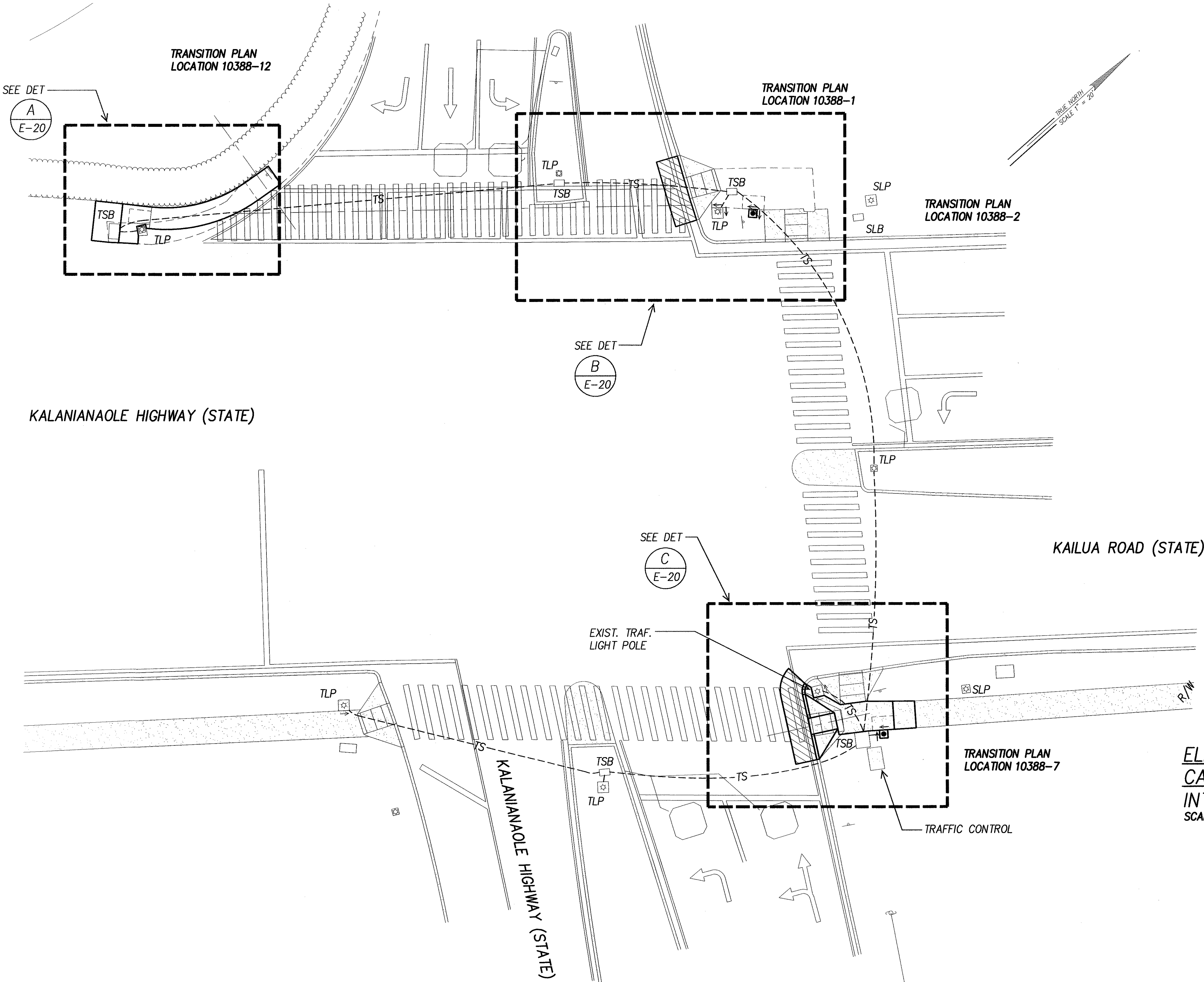
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SHEET No. E-18 OF 32 SHEETS

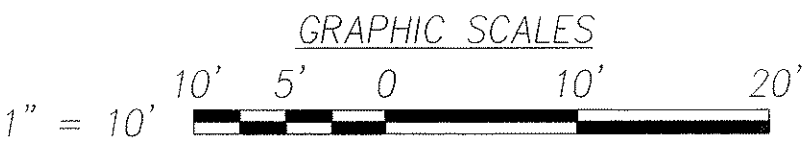


ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
No.	DESIGNED BY	"
	CHECKED BY	"

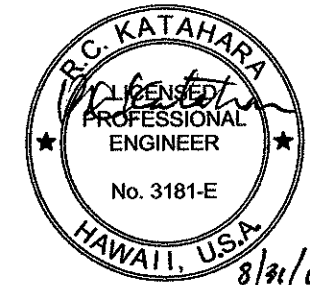
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HAWAII	HAWAII	CMAQ-0300(92)	2004	174	187



ELECTRICAL SITE PLAN – VINEYARD BLVD. & CASTLE JUNCTION (HOSP.)
INTERS. ID NO. 10388
SCALE: 1" = 10'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	
No.		



DTS, C&C HONOLULU DRAWING REVIEWED

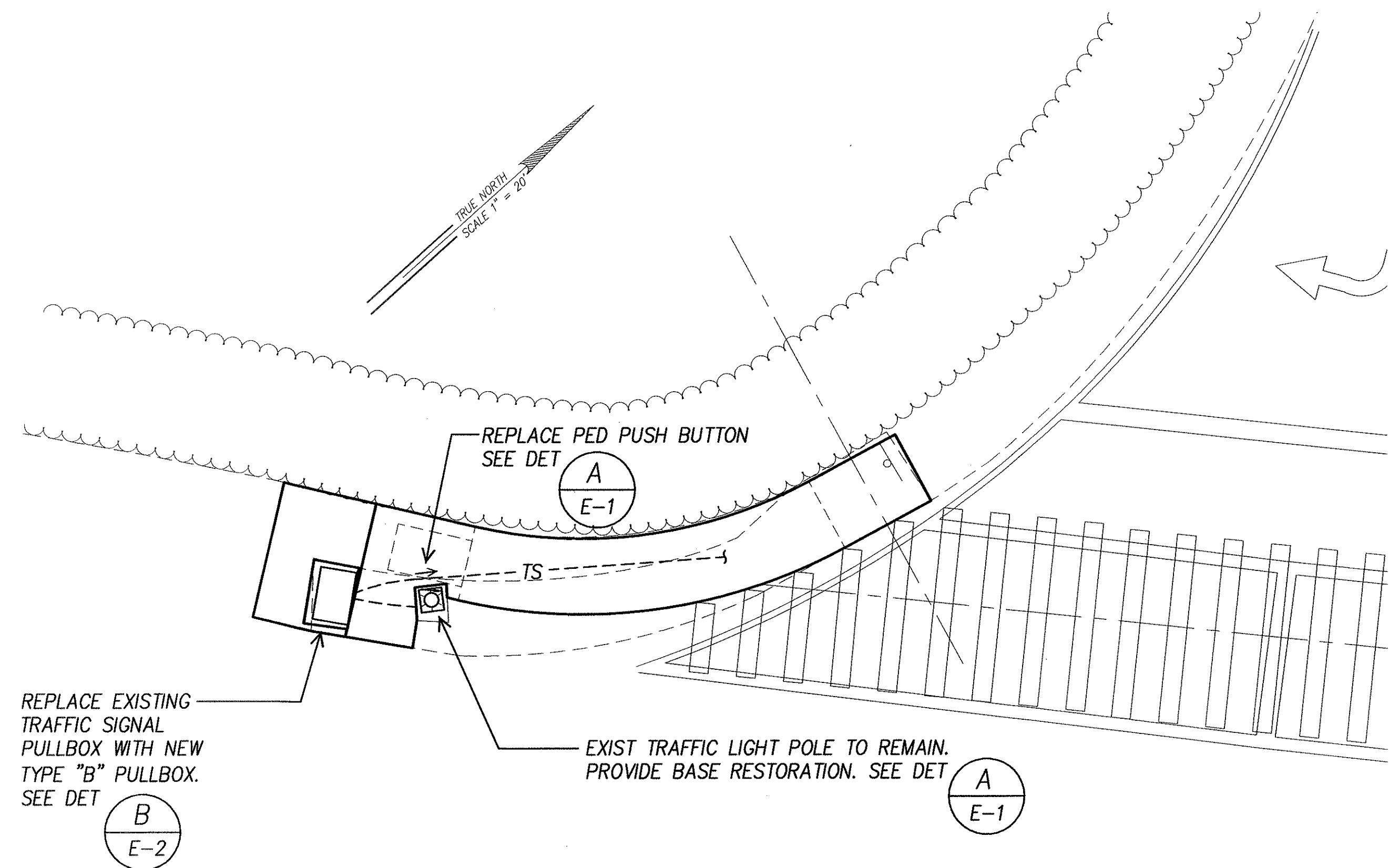
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL SITE PLAN –
PALI HWY & CASTLE JUNCTION (HOSP.)
Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

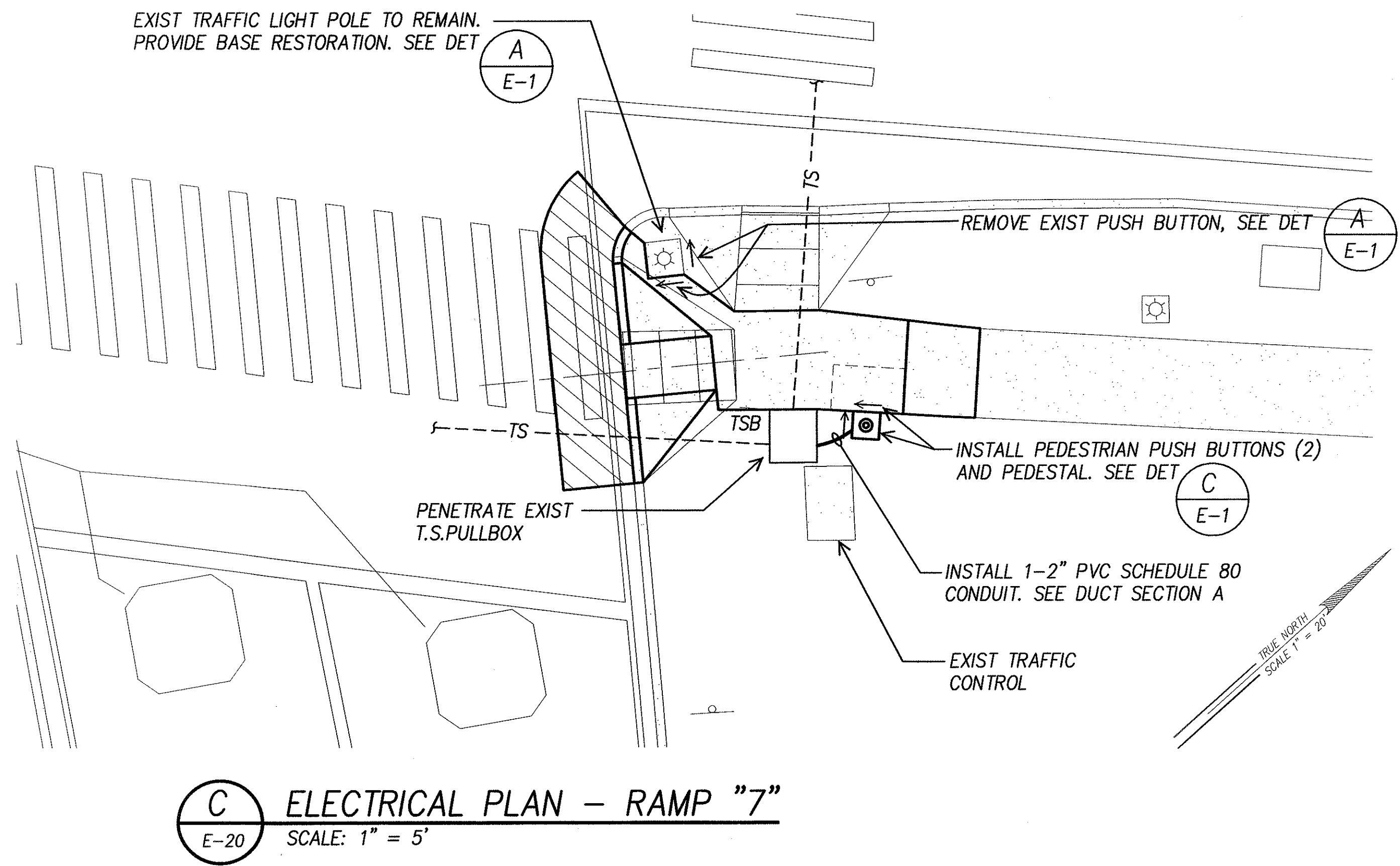
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Date: Aug 2004

SHEET No. E-19 OF 32 SHEETS

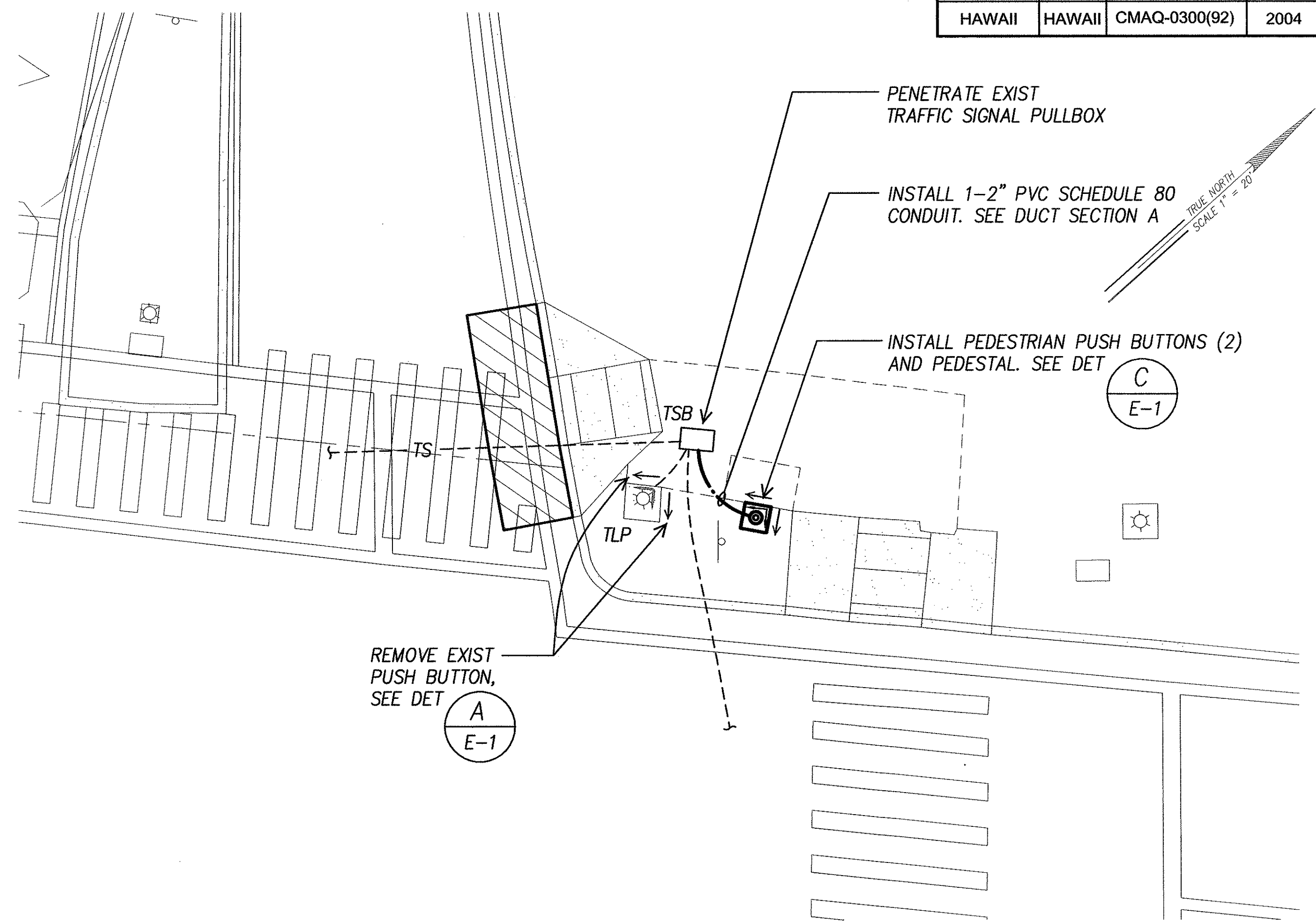
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	175	187



A ELECTRICAL PLAN - RAMP "12"
E-20 SCALE: 1" = 5'

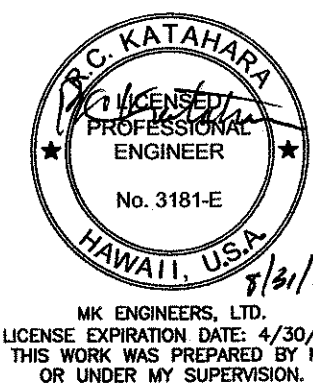
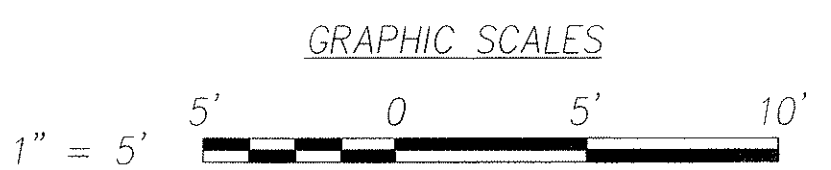


C ELECTRICAL PLAN - RAMP "7"
E-20 SCALE: 1" = 5'



B ELECTRICAL PLAN - RAMP "2"
E-20 SCALE: 1" = 5'

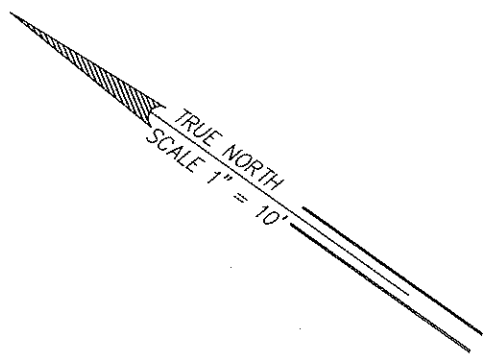
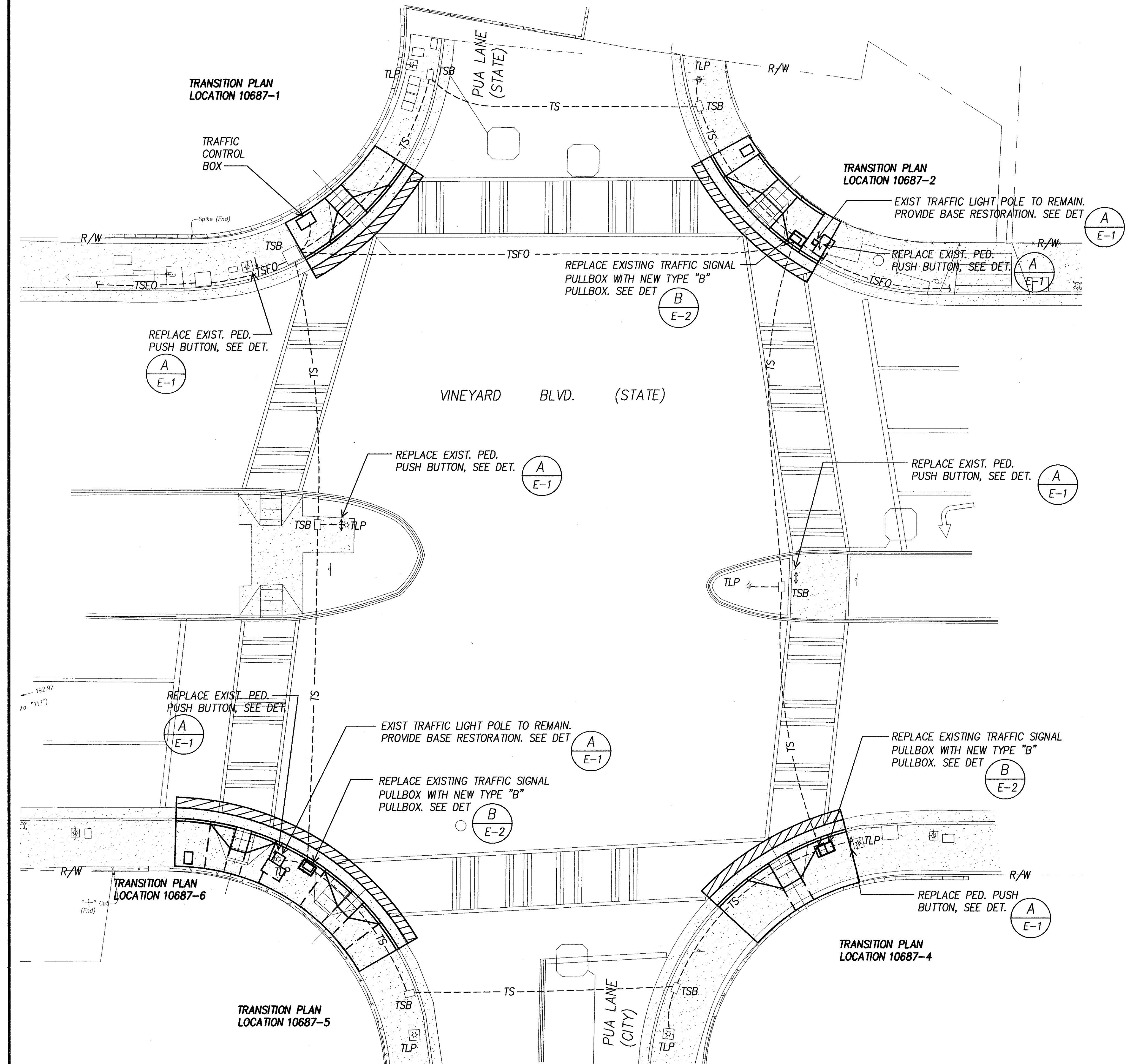
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DESIGNED BY	
NOTED BY	
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ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
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No.	



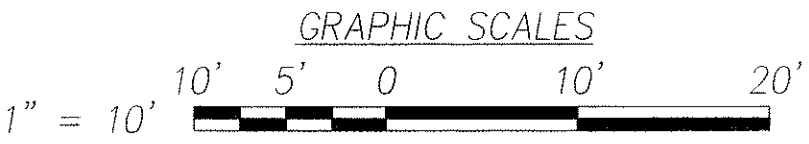
DTS, C&C HONOLULU DRAWING REVIEWED 175

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ELECTRICAL PLANS
PALI HWY & CASTLE JUNCTION (HOSP.)
Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)
Scale: As Noted Date: Aug 2004
SHEET No. E-20 OF 32 SHEETS

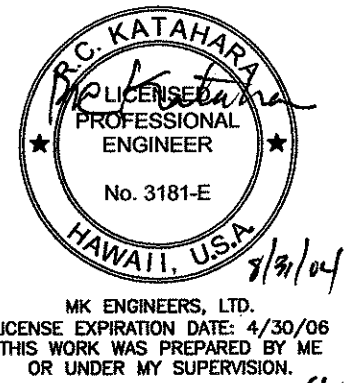
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HAWAII	HAWAII	CMAQ-0300(92)	2004	176	187



ELECTRICAL SITE PLAN – VINEYARD BLVD. & PUA LANE
INTERS. ID NO. 10687
SCALE: 1" = 10'



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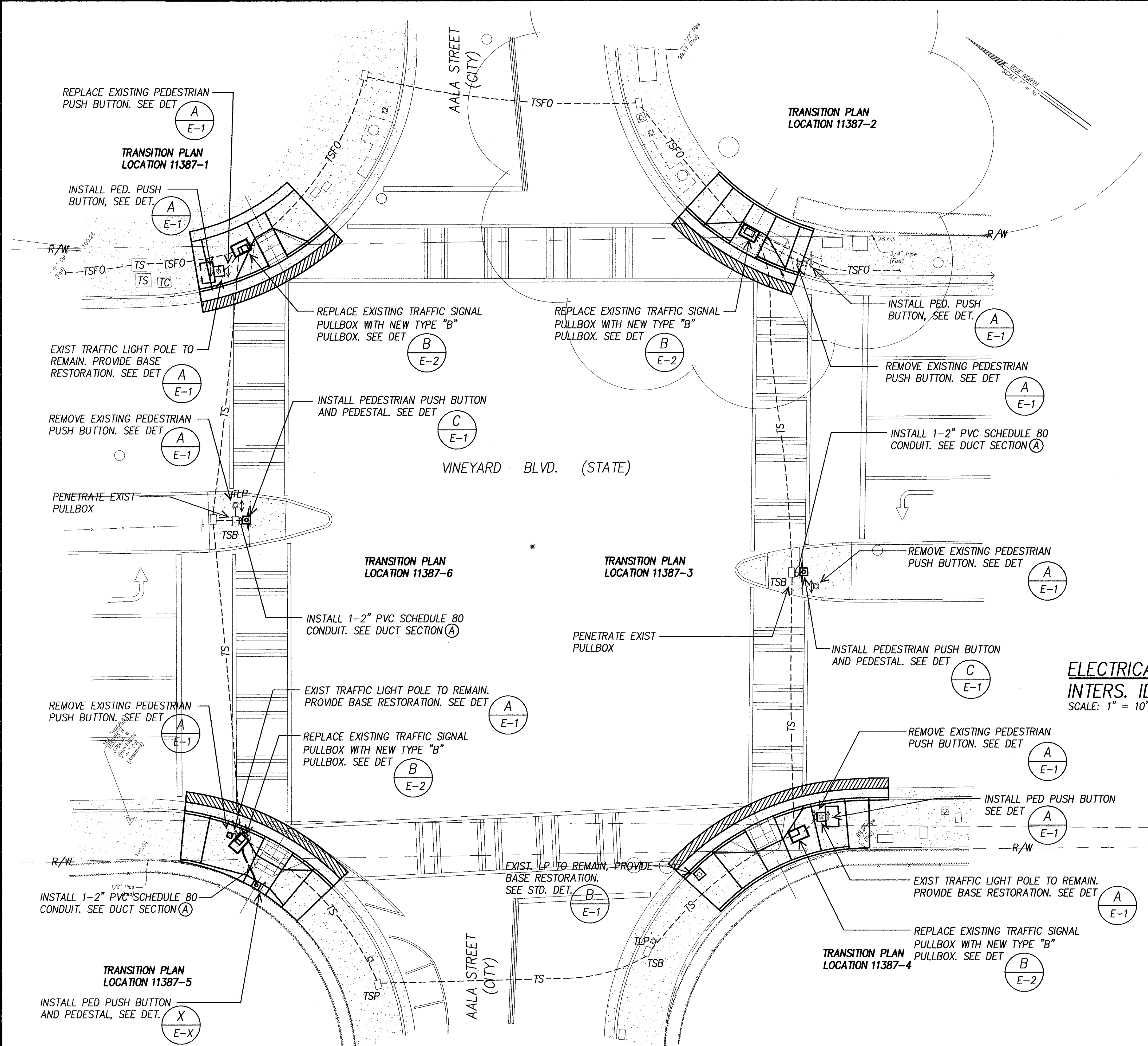
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL SITE PLAN
VINEYARD BLVD. & PUA LANE
Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

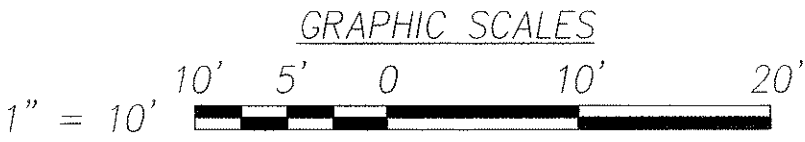
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SHEET No. E-21 OF 32 SHEETS

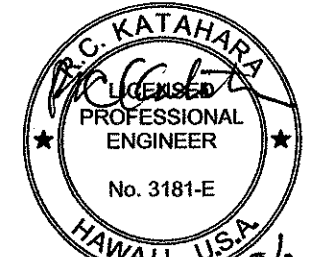
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	177	187



ELECTRICAL SITE PLAN – VINEYARD BLVD. & AALA STREET
INTERS. ID NO. 11387
SCALE: 1" = 10'



SURVEY PLOTTED BY	DATE
DESIGNED BY	
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QUANTITIES BY	
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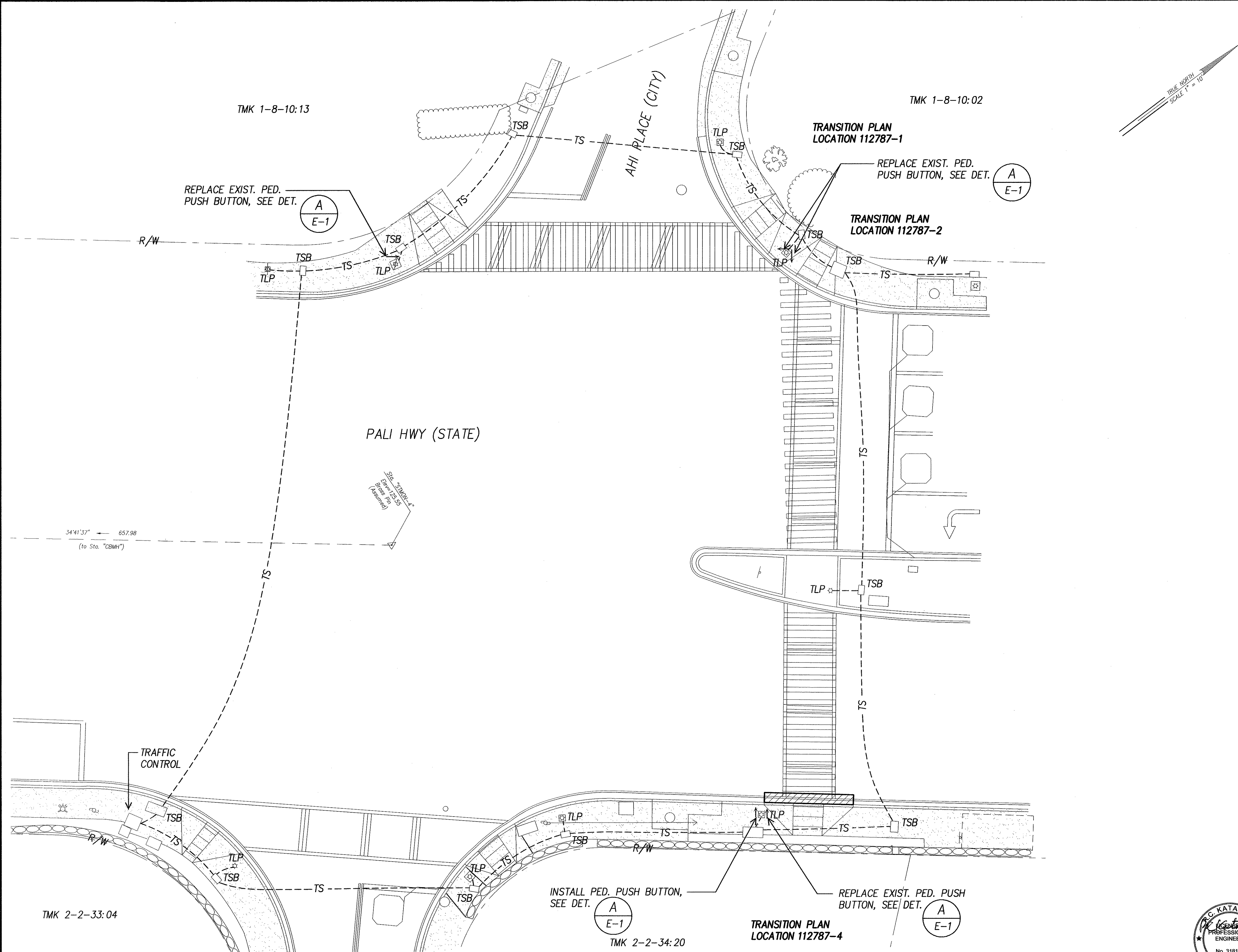
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL SITE PLAN
VINEYARD BLVD. & AALA STREET
Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

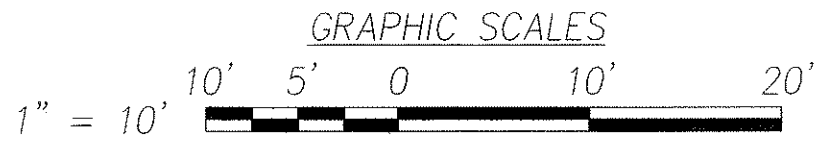
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SHEET No. E-22 OF 32 SHEETS

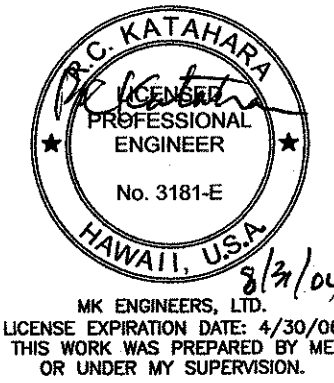
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	178	187



SURVEY PLOTTED BY	DATE
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ORIGINAL PLAN	
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ELECTRICAL SITE PLAN - PALI HWY & AHI PLACE
INTERS. ID NO. 112787
SCALE: 1" = 10'



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

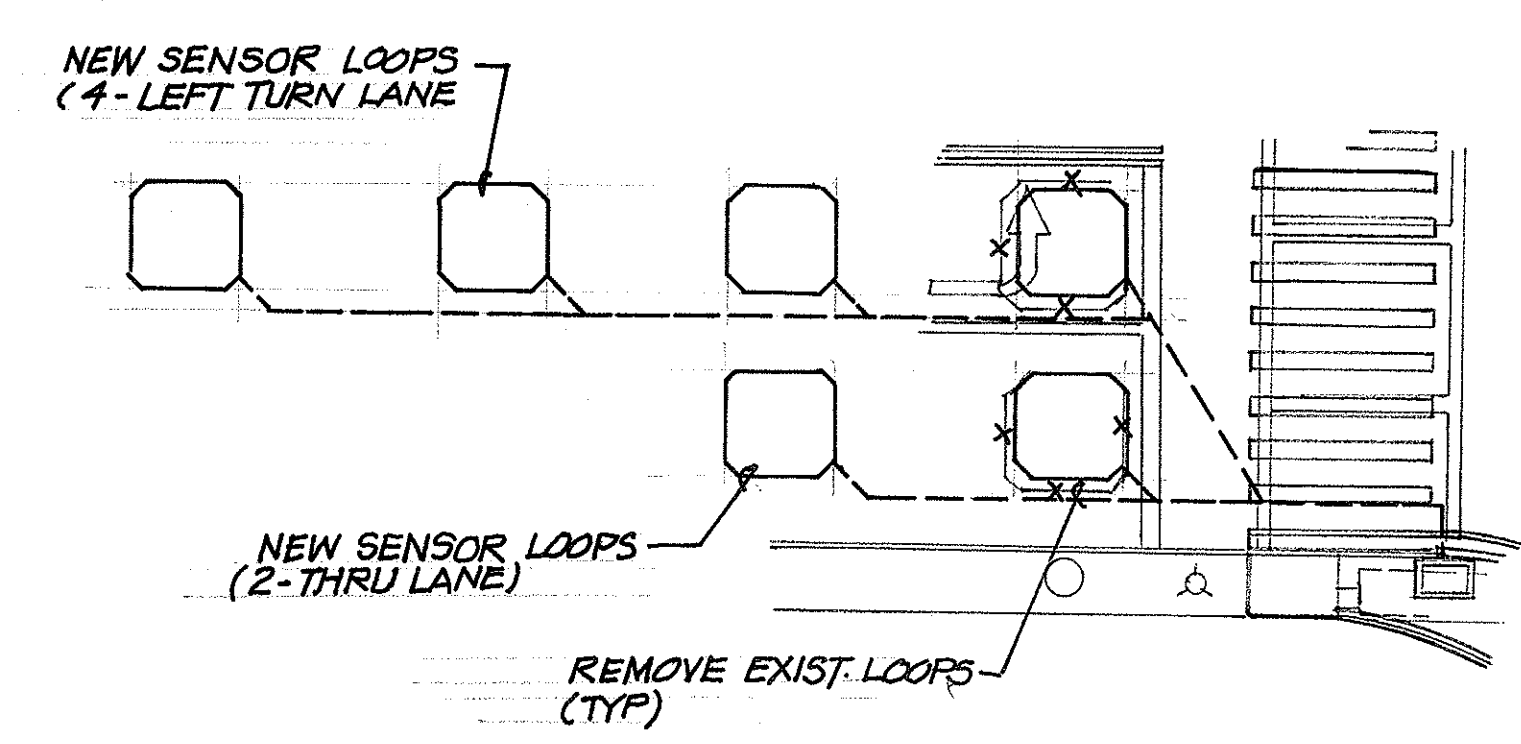
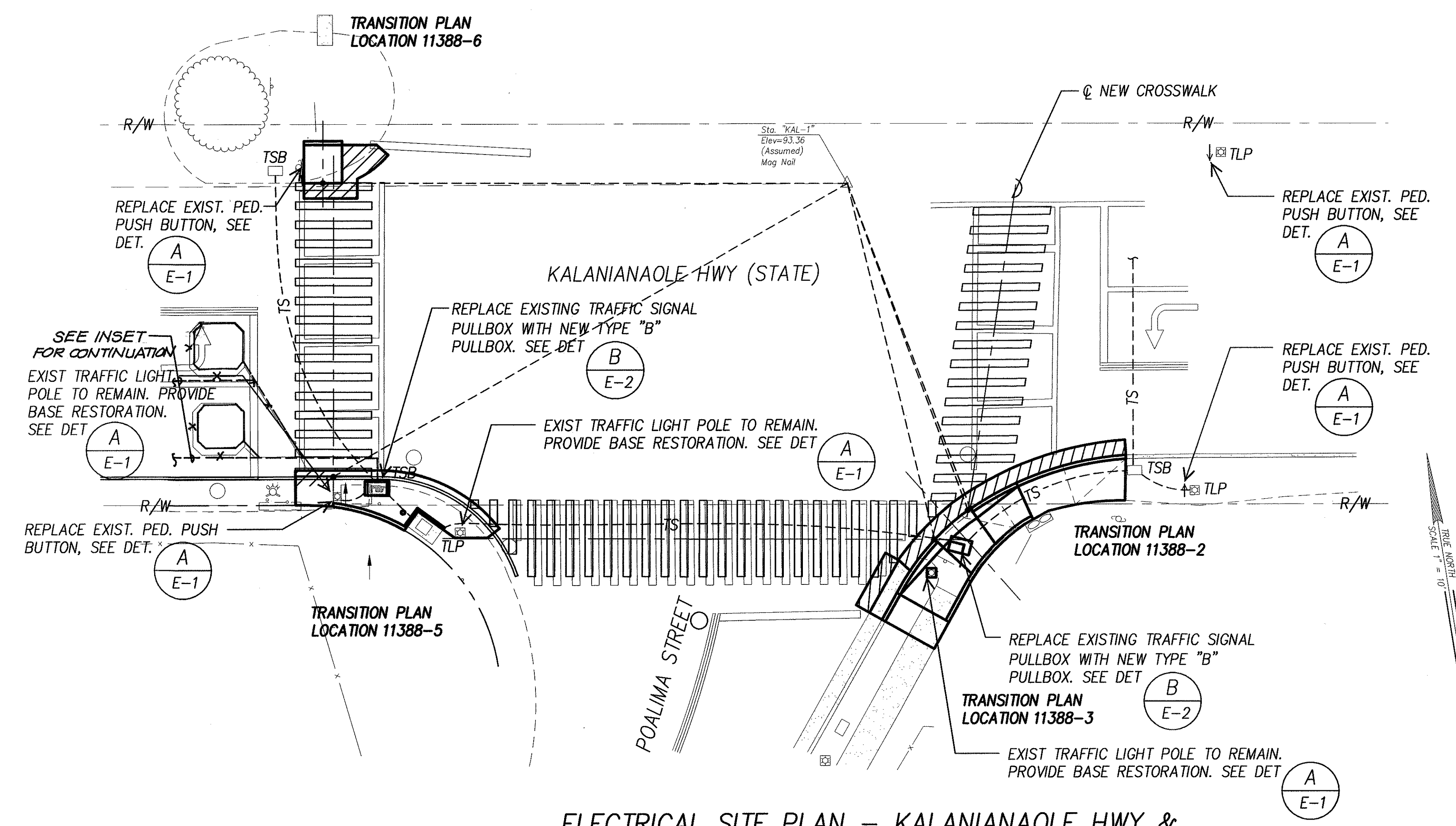
**ELECTRICAL SITE PLAN -
PALI HWY & AHI PLACE**

*Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)*

Scale: As Noted Date: Aug 2004

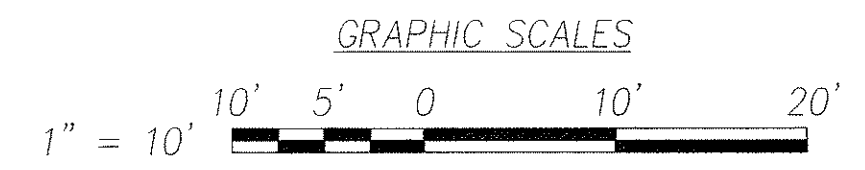
SHEET No. E-23 OF 32 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	C.O.179	187



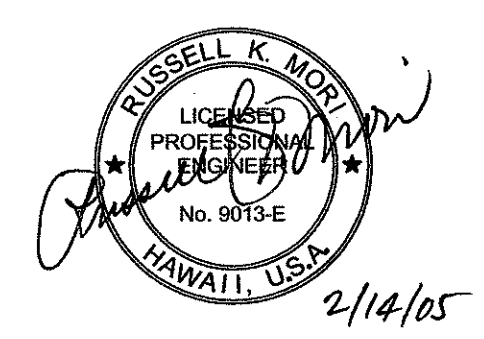
ELECTRICAL SITE PLAN – KALANIANA'OLE HWY & POALIMA STREET
INTERS. ID NO. 11388
SCALE: 1" = 10'

INSET
SCALE: 1" = 10'



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ORIGINAL PLAN	NOTE BOOK
No.	No.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

MK ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/06

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN – KALANIANA'OLE HWY & POALIMA STREET
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

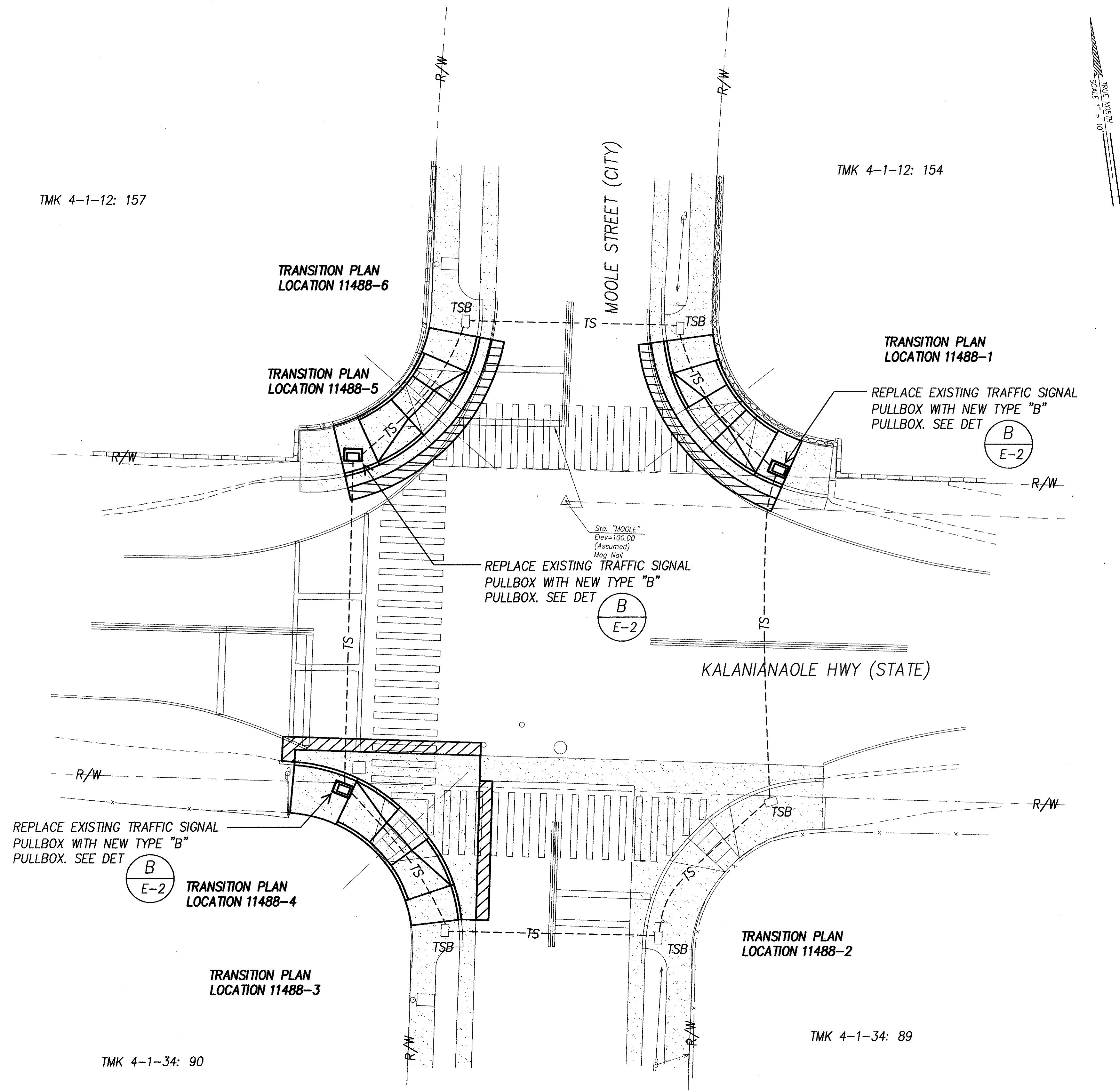
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SHEET No. E-24 OF 32 SHEETS

"AS-BUILT"

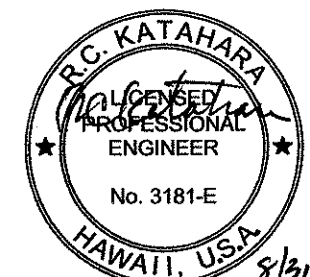
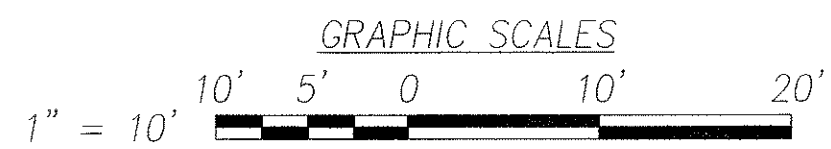
C.O. 179

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	180	187



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

ELECTRICAL SITE PLAN - KALANIANA'OLE HWY & MOOLE STREET
INTERS. ID NO. 11488
SCALE: 1" = 10'



DTS, C&C HONOLULU DRAWING REVIEWED

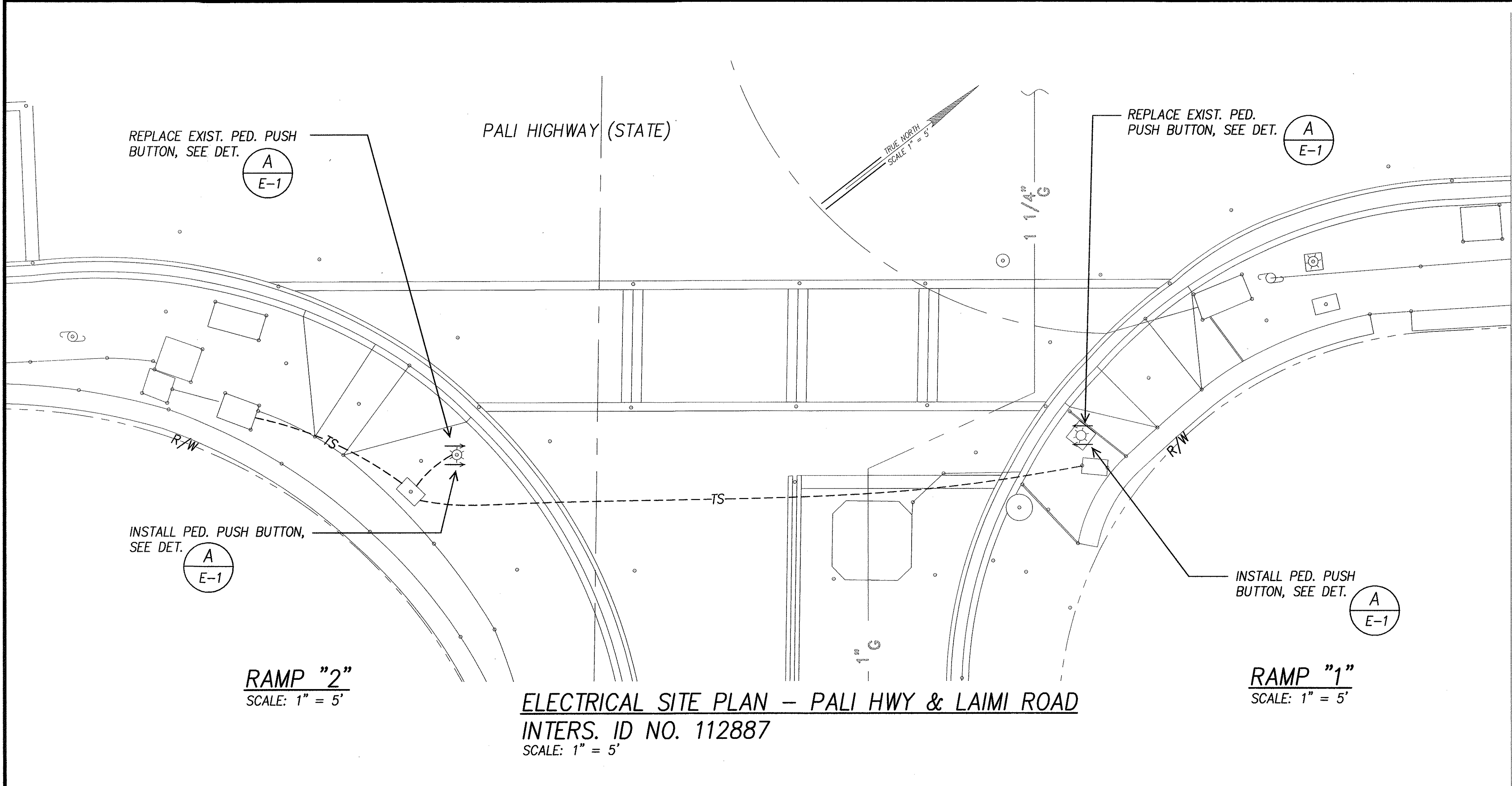
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ELECTRICAL SITE PLAN -
KALANIANA'OLE HWY & MOOLE STREET**
*Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)*

Scale: As Noted Date: Aug 2004

SHEET No. E-25 OF 32 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	181	187



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
No.	TRACED BY	"
	CHECKED BY	"
	QUANTITIES BY	"
	CHECKED BY	"

1" = 5' 5' 0 5' 10'



MK ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/08
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

DTS, C&C HONOLULU DRAWING REVIEWED

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

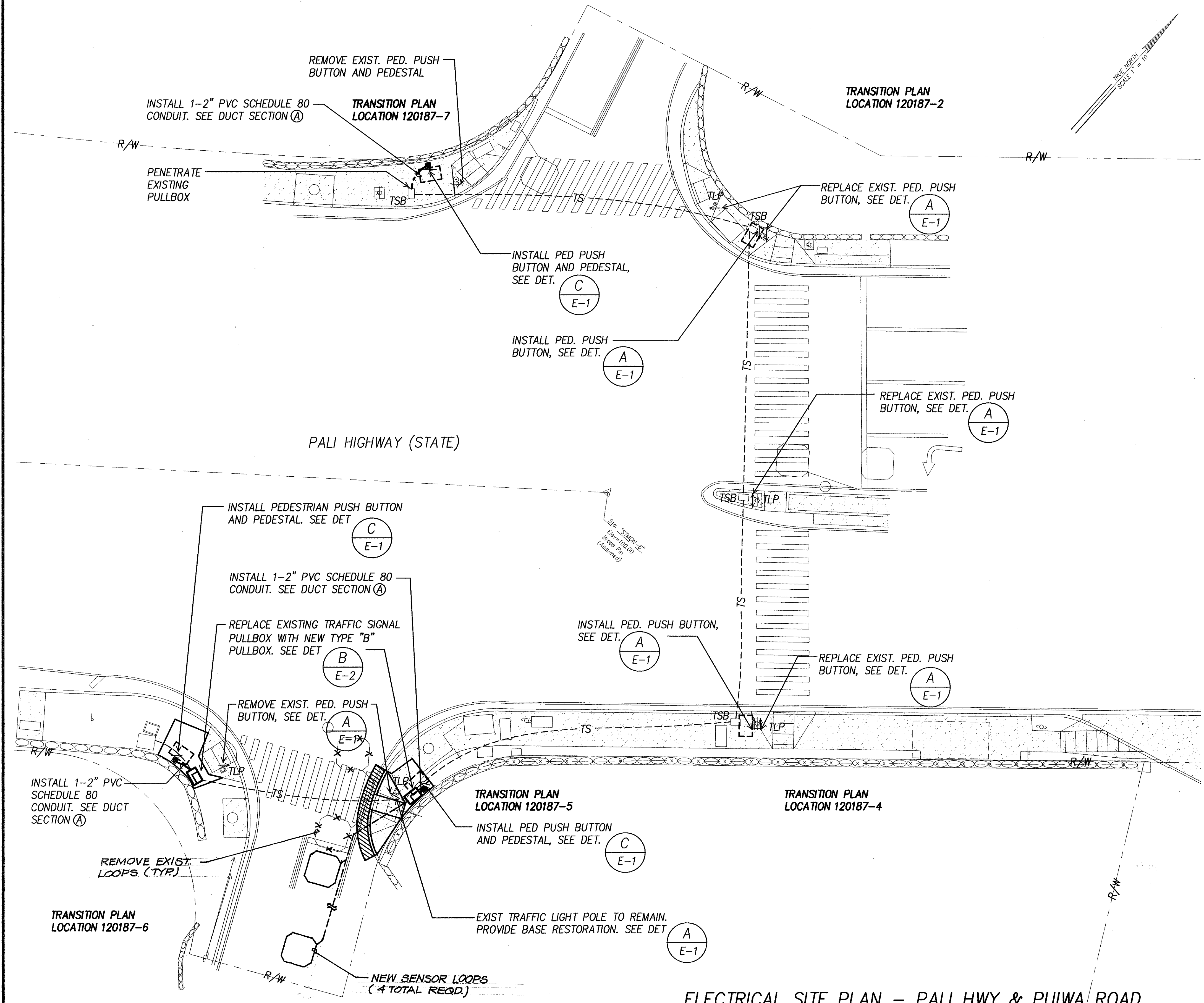
**ELECTRICAL SITE PLAN -
PALI HWY & LAIMI ROAD**

*Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)*

Scale: As Noted Date: Aug 2004

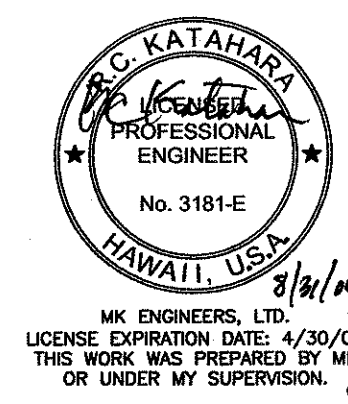
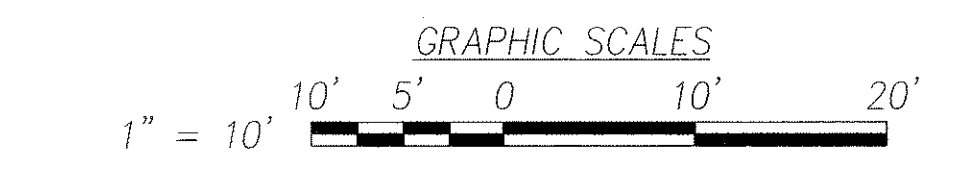
SHEET No. E-26 OF 32 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	182	187



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

ELECTRICAL SITE PLAN – PALI HWY & PUIWA ROAD
INTERS. ID NO. 120187
SCALE: 1" = 10'



DTS, C&C HONOLULU DRAWING REVIEWED

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ELECTRICAL SITE PLAN –
PALI HWY & PUIWA ROAD**

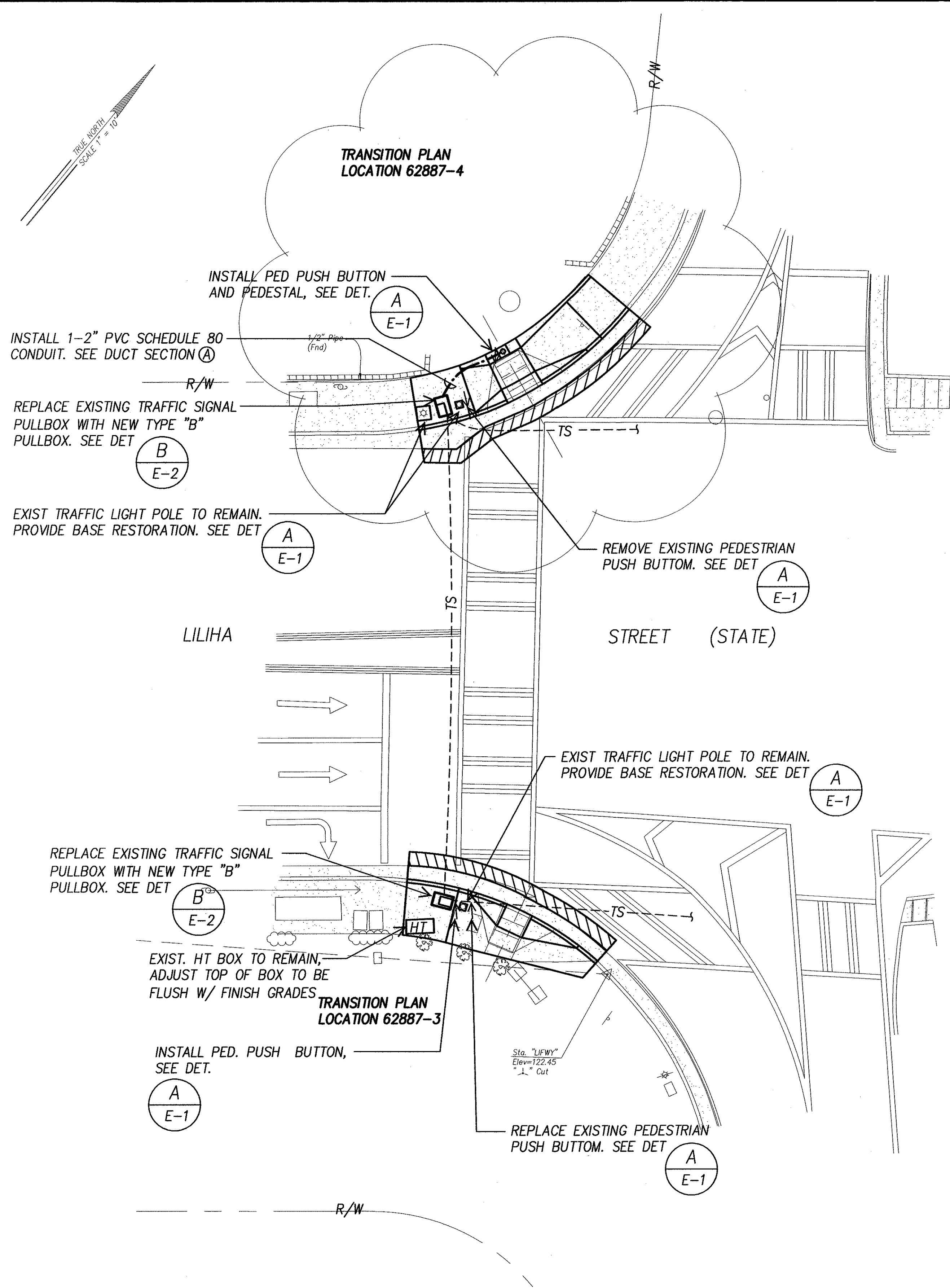
*Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)*

Scale: As Noted Date: Aug 2004

SHEET No. E-27 OF 32 SHEETS

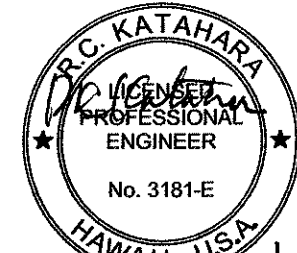
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	183	187



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

ELECTRICAL SITE PLAN – LILIHA STREET & H1 ON RAMP
INTERS. ID NO. 62887
 SCALE: 1" = 10'



DTS, C&C HONOLULU DRAWING REVIEWED *[initials]*

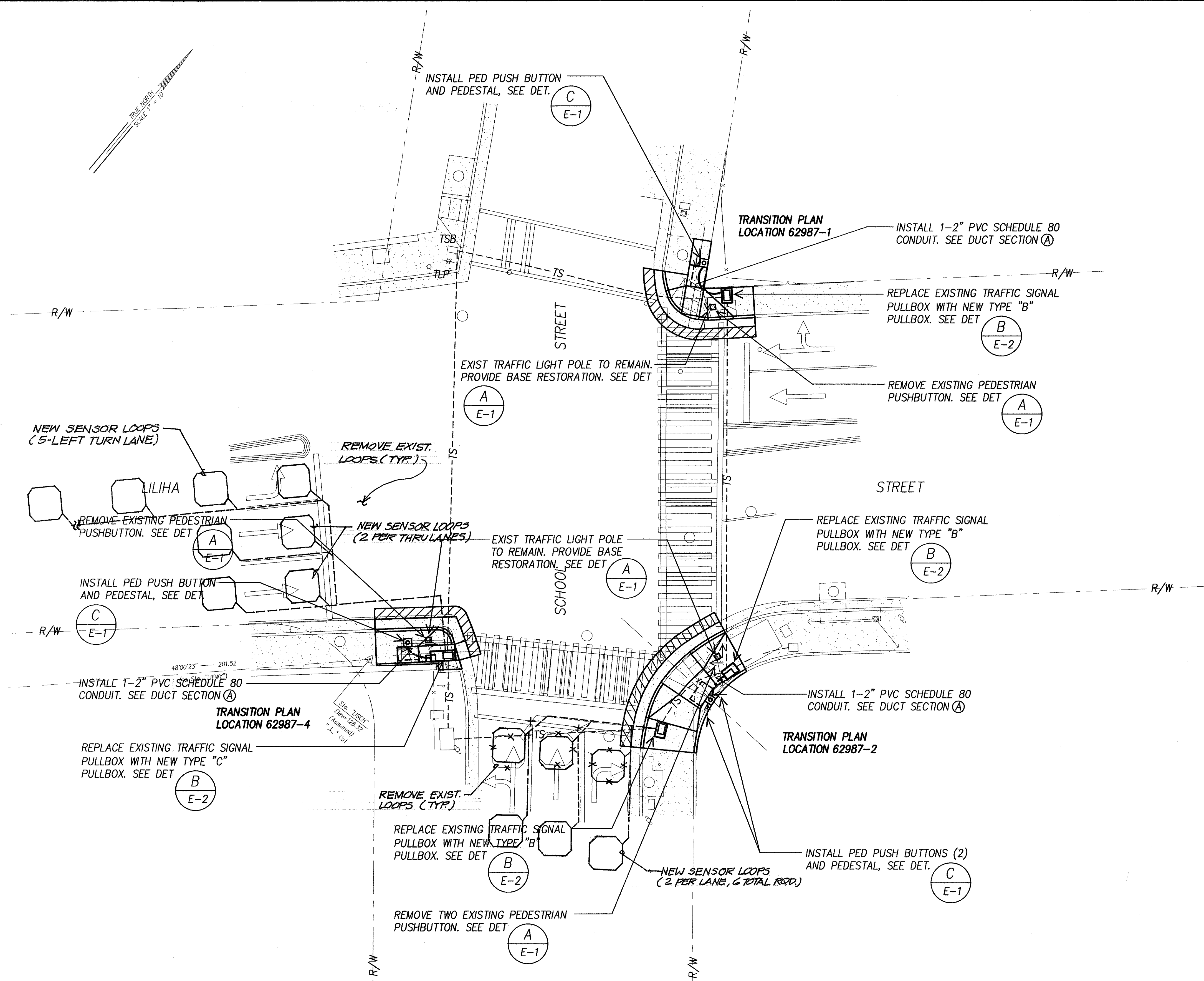
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ELECTRICAL SITE PLAN –
LILIHA STREET & H1 ON RAMP
Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
 Fed. Aid Proj. No. CMAQ-0300(92)

Scale: As Noted Date: Aug 2004

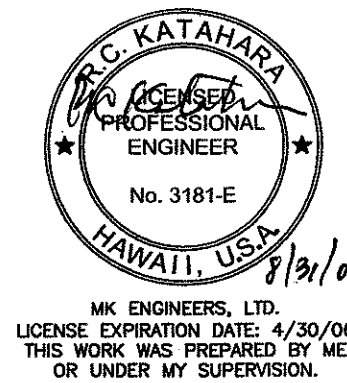
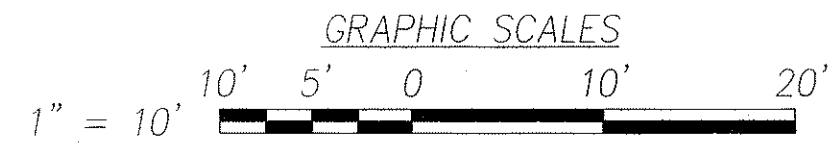
SHEET No. E-28 OF 32 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	184	187



DATE	____
SURVEY PLOTTED BY	____
DESIGNED BY	____
NOTED BY	____
CHECKED BY	____
NO.	____

ELECTRICAL SITE PLAN - LILIHA STREET & SCHOOL STREET
INTERS. ID NO. 62987
SCALE: 1" = 10'



DTS, C&C HONOLULU DRAWING REVIEWED 3

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

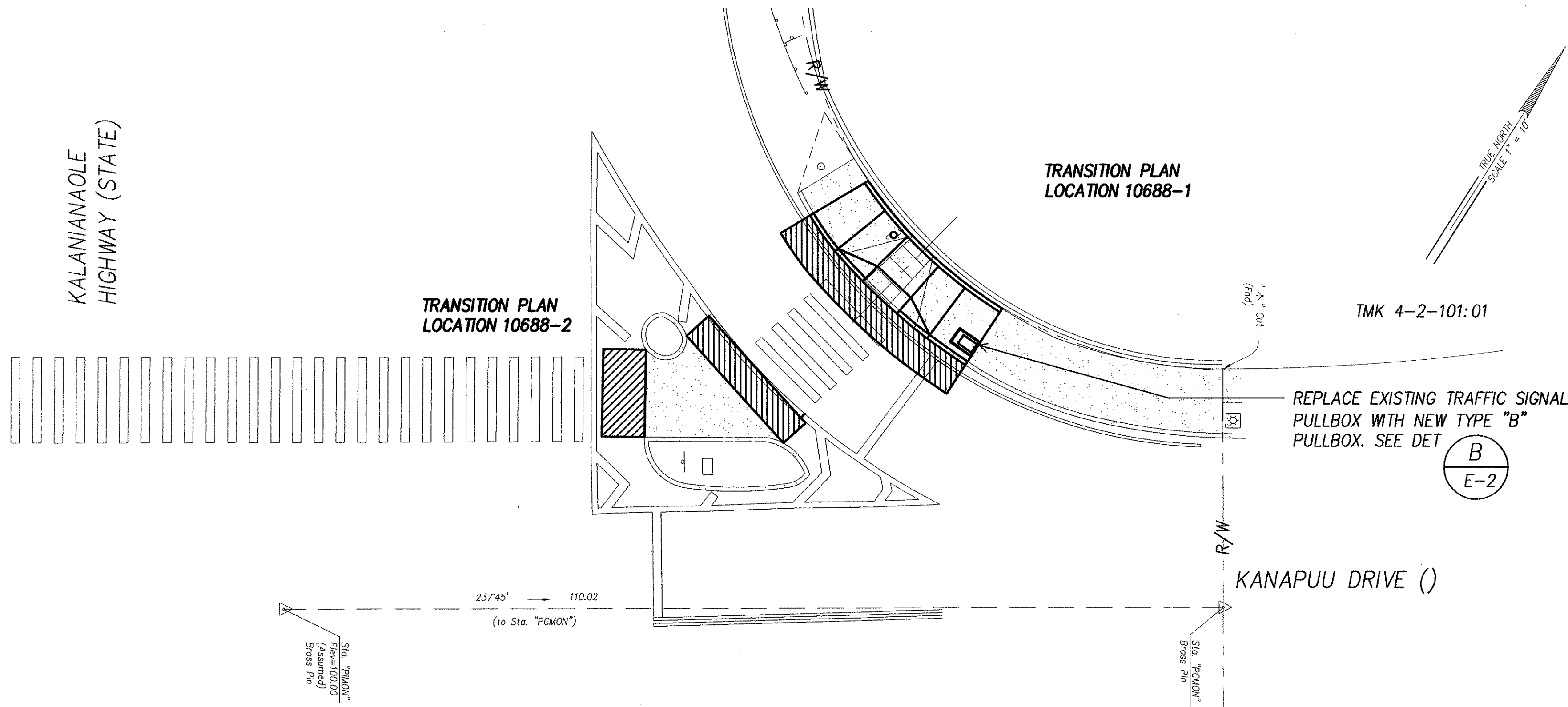
**ELECTRICAL SITE PLAN -
LILIHA STREET & SCHOOL STREET**
Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)

Scale: As Noted Date: Aug 2004

SHEET No. E-29 OF 32 SHEETS

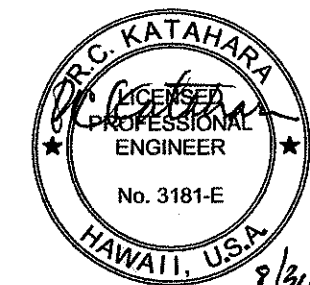
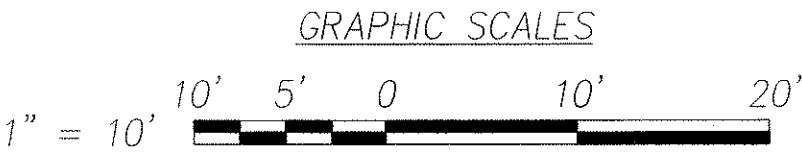
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	185	187



ELECTRICAL SITE PLAN - KALANIANA'OLE HWY & KANAPUU DRIVE
INTERS. ID NO. 10688
SCALE: 1" = 10'

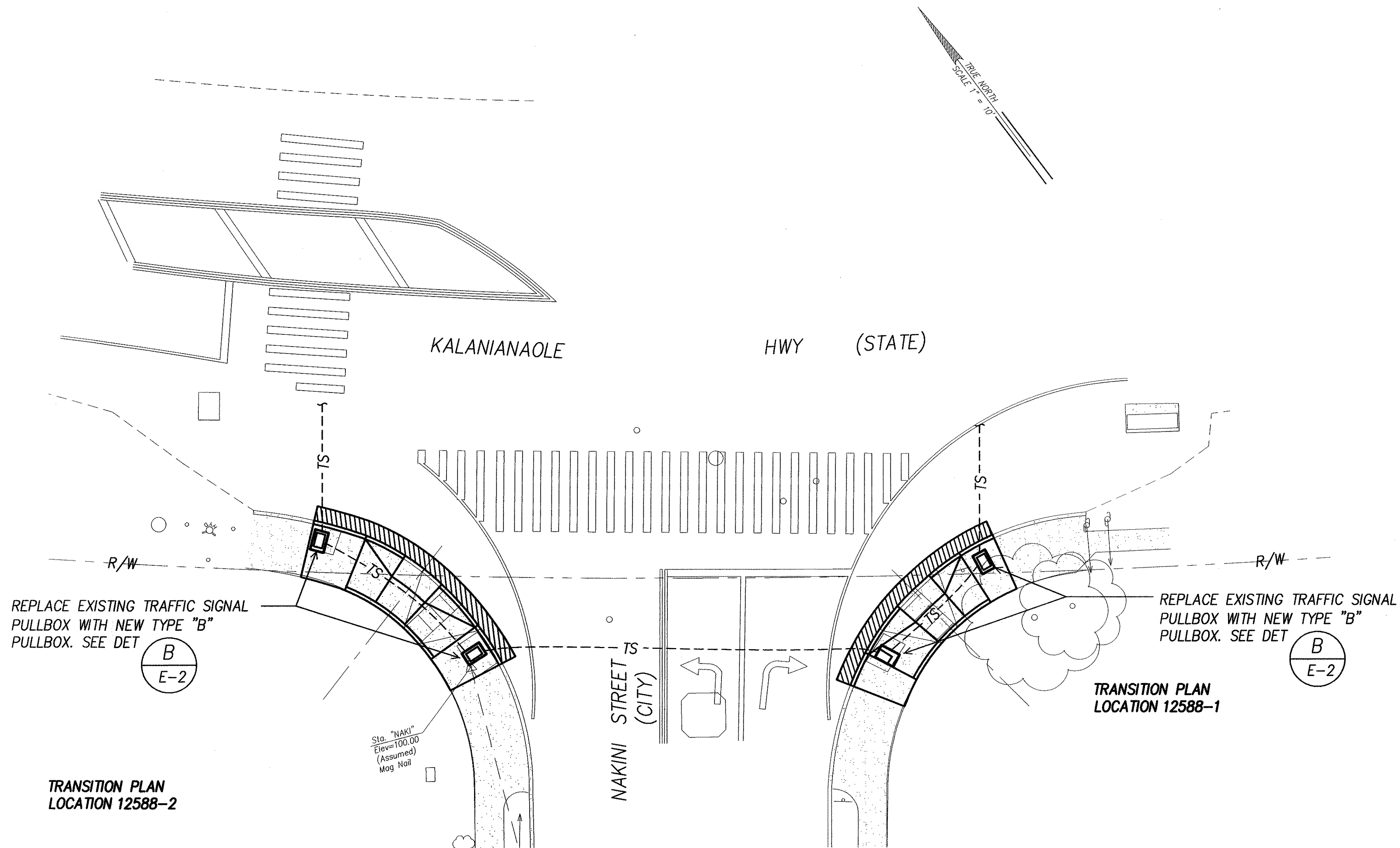
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
	CHECKED BY	"
	QUANTITIES BY	"
	CHECKED BY	"
No.		



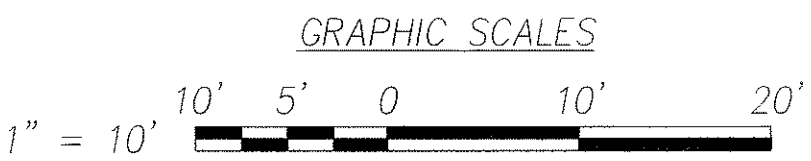
W.K. ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/06
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

DTS, C&C HONOLULU DRAWING REVIEWED		27
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
<u>ELECTRICAL SITE PLAN -</u> <u>KALANIANA'OLE HWY & KANAPUU DRIVE</u> <u>Pedestrian Facilities & ADA Compliance</u> <u>at Various Locations on Oahu, Unit 1</u> <u>Fed. Aid Proj. No. CMAQ-0300(92)</u>		
Scale: As Noted	Date: Aug 2004	
SHEET No. E-30 OF 32 SHEETS		

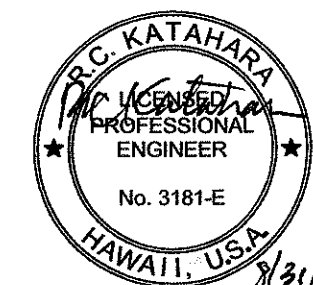
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	186	187



ELECTRICAL SITE PLAN - KALANIANA'OLE HWY & NAKINI STREET
INTERS. ID NO. 12588
SCALE: 1" = 10'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	



DTS, C&C HONOLULU DRAWING REVIEWED 13

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

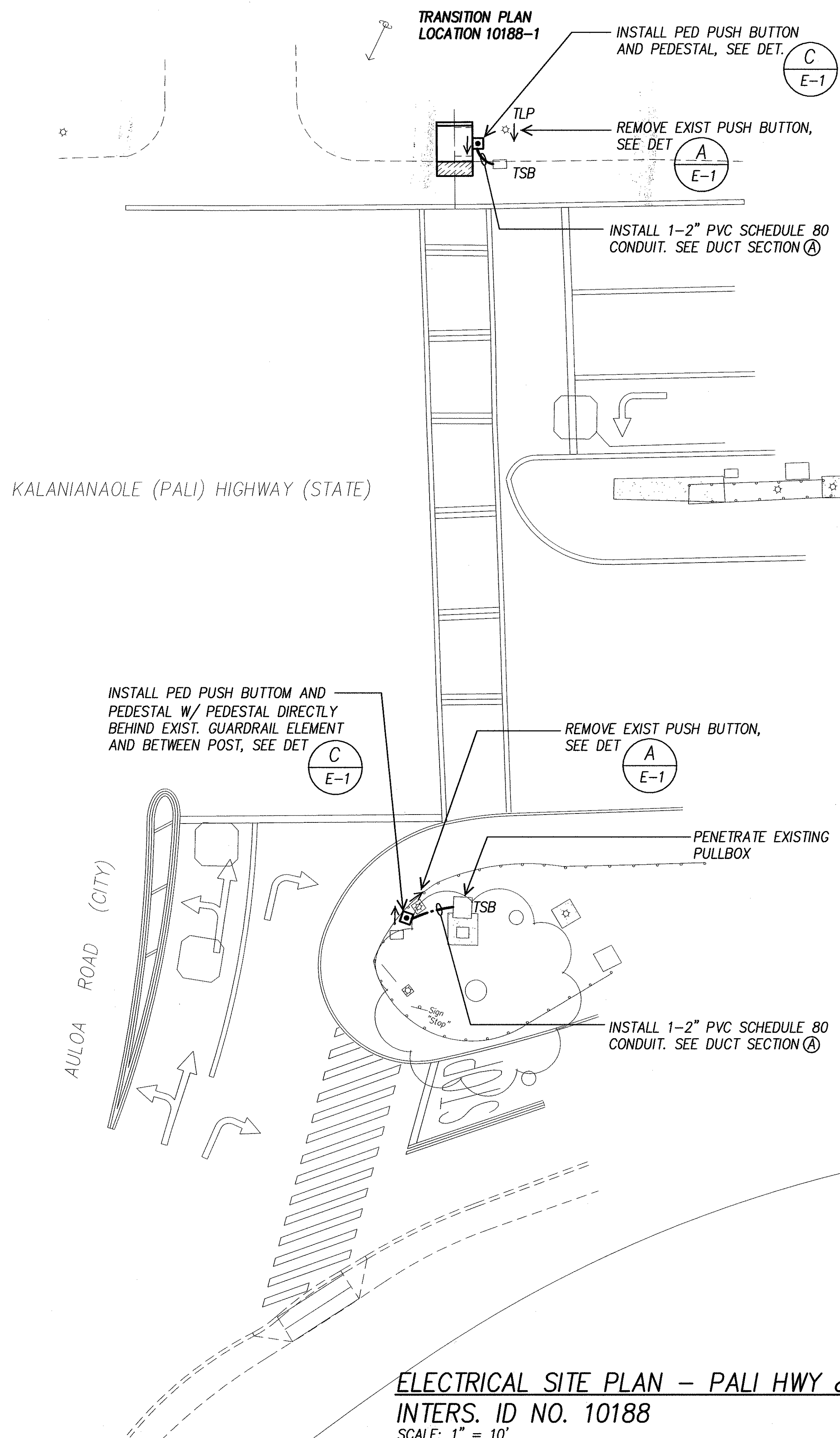
**ELECTRICAL SITE PLAN -
KALANIANA'OLE HWY & NAKINI STREET**
*Pedestrian Facilities & ADA Compliance
at Various Locations on Oahu, Unit 1
Fed. Aid Proj. No. CMAQ-0300(92)*

Scale: As Noted Date: Aug 2004

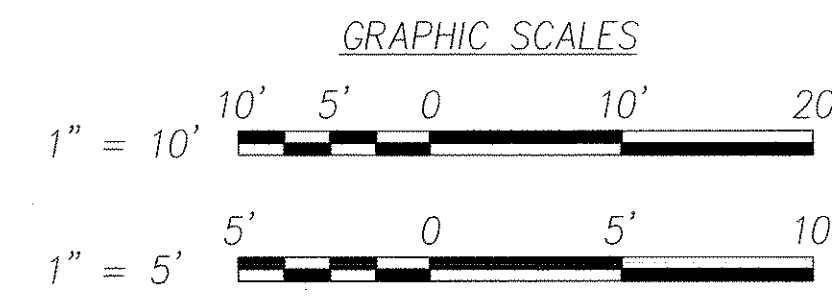
SHEET No. E-31 OF 32 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	CMAQ-0300(92)	2004	187	187

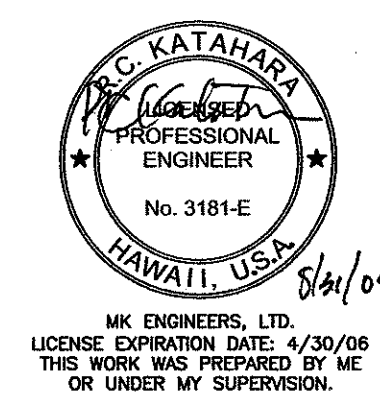
TRUE NORTH
SCALE 1" = 10'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY	DRAWN BY	
NOTE BOOK	CHECKED BY	
No.		



ELECTRICAL SITE PLAN - PALI HWY & AULOA ROAD
INTERS. ID NO. 10188
 SCALE: 1" = 10'



DTS, C&C HONOLULU DRAWING REVIEWED 1

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

**ELECTRICAL SITE PLAN -
 PALI HWY & AULOA ROAD**

*Pedestrian Facilities & ADA Compliance
 at Various Locations on Oahu, Unit 1
 Fed. Aid Proj. No. CMAQ-0300(92)*

Scale: As Noted Date: Aug 2004

SHEET No. E-32 OF 32 SHEETS