

STREET LIGHT POLE AND LUMINAIRE SCHEDULE H-3 HIGHWAY

LIGHT NO. ON PLAN	POLE LOCATION			LUMINAIRE MOUNTING HEIGHT	ARM LENGTH	MOUNTING DETAIL	REMARK	BASE TYPE
	STATION	LANE I.B.	TO EDGE OF SHOULDER					
H3-422	399+55	•	5'-6"	40'-0"	10'-0"	4/5E2	EXISTING CONC. BASE BEHIND GUARD RAIL	TRANSF.
H3-423	402+55	•	5'-6"	40'-0"	10'-0"	1/5E2	BEHIND GUARD RAIL	TRANSF.
H3-424	401+77	•	5'-6"	40'-0"	10'-0"	1/5E2	BEHIND GUARD RAIL	TRANSF.
H3-425	404+50	•	5'-6"	40'-0"	10'-0"	1/5E2	BEHIND GUARD RAIL	TRANSF.
H3-426	404+20	•	5'-6"	40'-0"	10'-0"	1/5E2	BEHIND GUARD RAIL	TRANSF.
H3-427	407+10	•	5'-6"	40'-0"	10'-0"	1/5E2	AT OUTER EDGE OF GUTTER	BREAKAWAY TRANSF.
H3-428	407+10	•	5'-6"	40'-0"	10'-0"	1/5E2	BEHIND GUARD RAIL	TRANSF.

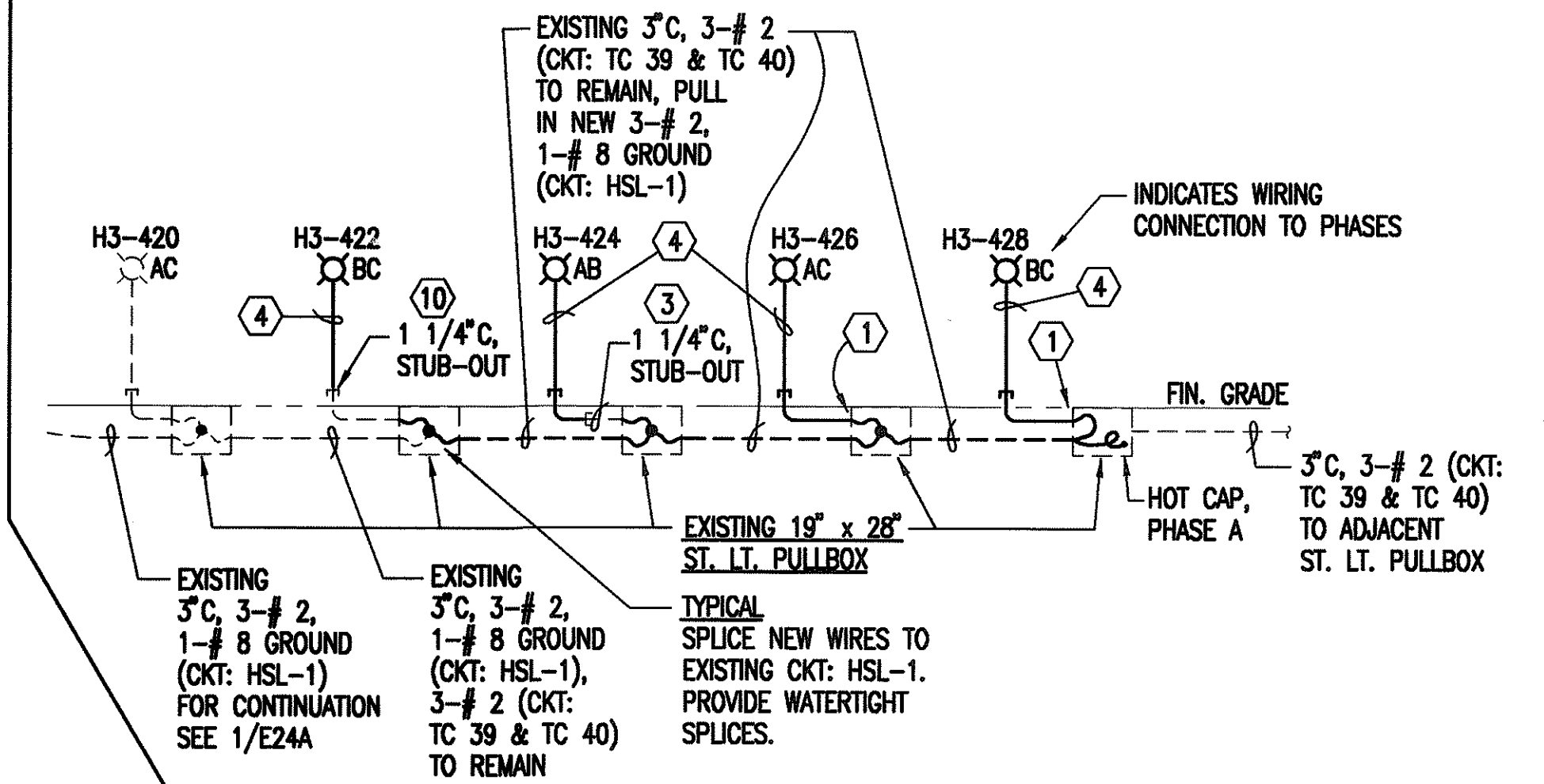
ELECTRICAL NOTES:

- PENETRATE EXISTING 19" x 28" STREET LIGHT PULLBOX AND INSTALL NEW 1 1/4" PVC SCHEDULE 80 RACEWAY BETWEEN PULLBOX AND NEW POLE BASE. PATCH PULLBOX TO MATCH EXISTING CONDITION.
- INSTALL NEW STREET LIGHT STANDARD ON EXISTING CONCRETE BASE. WELD NEW ANCHOR BOLTS TO EXISTING ANCHOR BOLTS. SEE DETAIL 4/E2.
- CONNECT NEW RACEWAY TO 1 1/4" EXISTING STUBOUT, EXTEND TO NEW POLE BASE.
- NEW WIRING IN POLE SHAFT, 2-# 2, 1-# 8 GROUND.
- EXISTING 2" C, 3-# 2, 1-# 8 GROUND (CKT: HSL-2, ELEC.) & 3" C, 1-48 SINGLEMODE FIBER, 2-2PR #22 (COMM.) TO REMAIN.
- EXISTING 3" C, 1-48 SINGLEMODE FIBER, 2-2PR #22 (COMM.) TO REMAIN. EXISTING 2" C (ELEC.), PULL-IN NEW 3-# 2, 1-# 8 GROUND (CKT: HSL-2).
- EXISTING 2" C (ELEC.) & 3" C, 1-48 SINGLEMODE FIBER, 2-2PR #22 (COMM.) TO REMAIN.
- EXISTING 3" C, 1-48 SINGLEMODE FIBER, 1-6 MULTIMODE FIBER, 2-2PR # 22 (COMM.) & EXISTING 3" C, 3-# 2, CKT: TC 39 & TC 40 (ELEC.) TO REMAIN. PULL-IN NEW 3-# 2, 1-# 8 GROUND, CKT: HSL-1 IN EXISTING ELEC. DUCT.
- EXISTING 3" C, 1-48 SINGLEMODE FIBER, 1-6 MULTIMODE FIBER, 2-2PR # 22 (COMM.) & EXISTING 3" C, 3-# 2, CKT: TC 39 & TC 40 (ELEC.) TO REMAIN.
- EXTEND NEW WIRING FROM EXISTING PULLBOX TO NEW LIGHT STANDARD.
- INSTALL NEW CUTOFF LIGHT SHIELD ON EXISTING LUMINAIRE. VERIFY LUMINAIRE MANUFACTURER IN FIELD.

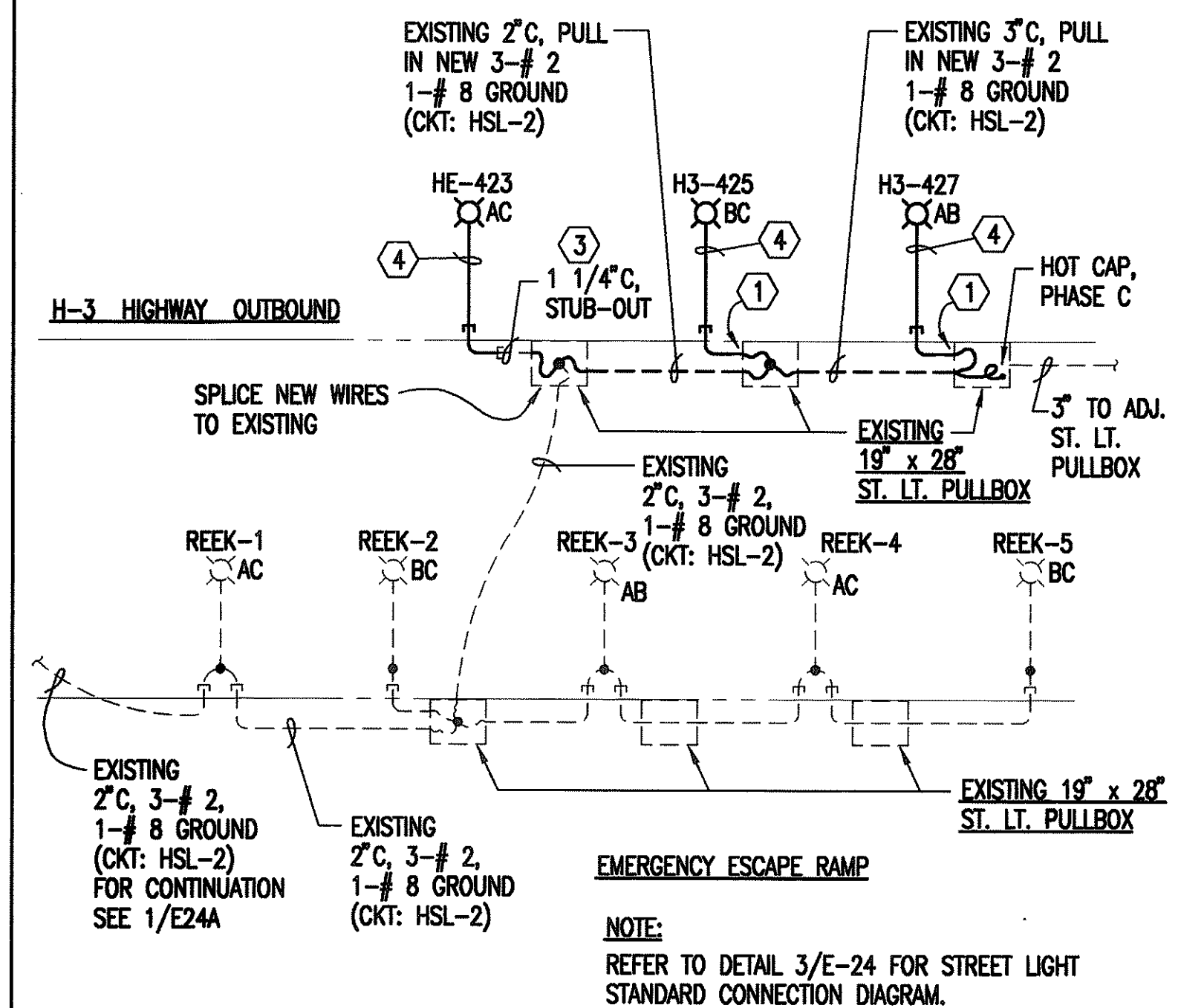
NOTES:

- EXISTING COMMUNICATION FEEDER IN EXISTING STREET LIGHT CONDUIT AND PULLBOXES. CONTRACTOR SHALL NOT DISRUPT EXISTING FEEDERS AND USE EXTREME CAUTION WHILE PULLING IN NEW WIRING FOR STREET LIGHTS.
- THE LOCATION OF THE EXISTING STREET LIGHT AND COMMUNICATION DUCTLINES ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE EXISTING DUCTLINES PRIOR TO THE INSTALLATION OF THE NEW LIGHT POLE CONCRETE FOUNDATION. THE CONTRACTOR SHALL ADJUST THE LOCATION OF THE CONCRETE FOUNDATION TO AVOID ANY CONFLICTS WITH EXISTING DUCTLINES. ALL WORK REQUIRED TO VERIFY THE EXISTING DUCTLINE LOCATIONS SHALL NOT BE MEASURED AND SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS ROADWAY LIGHTING ITEMS.

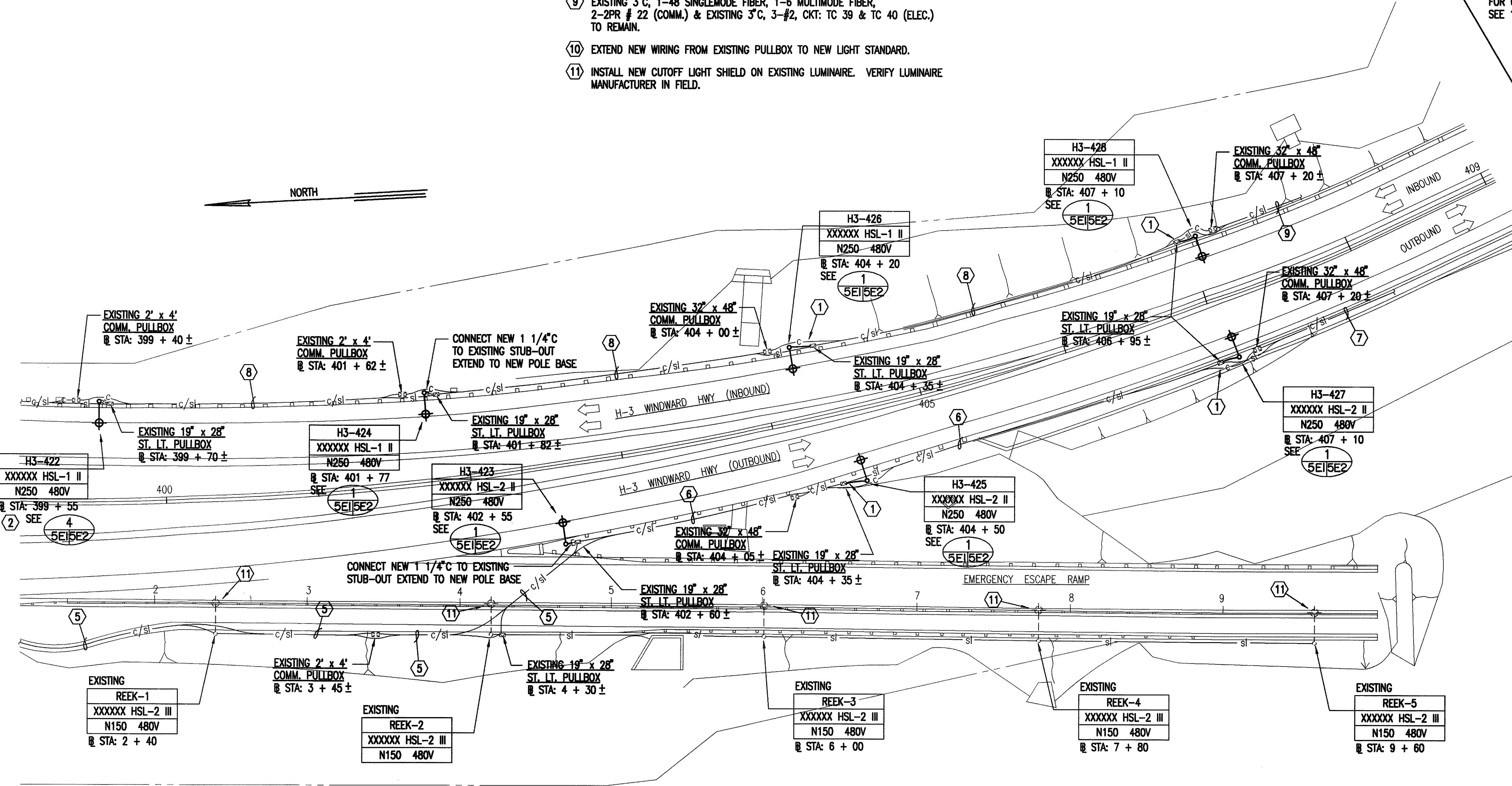
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT VI	1999	60	111



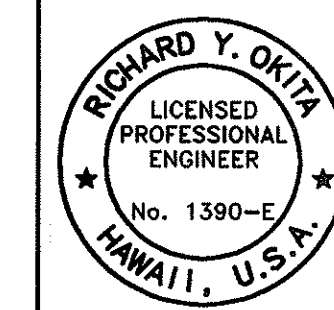
H-3 HIGHWAY INBOUND



2 STREET LIGHT DISTRIBUTION ONE LINE DIAGRAM (CKT: HSL-1 & HSL-2)



1 ELECTRICAL PLAN SCALE: 1" = 40'

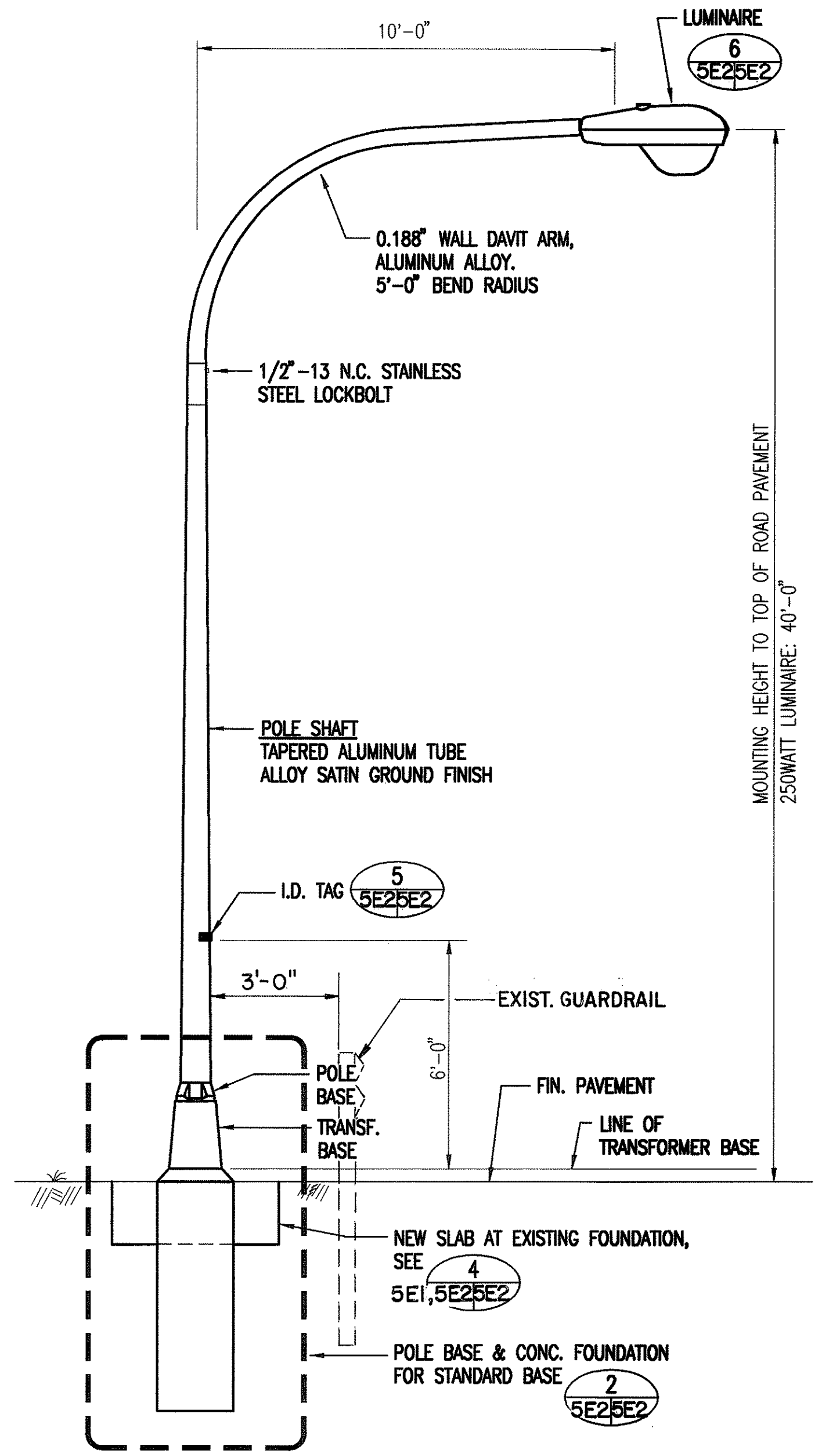
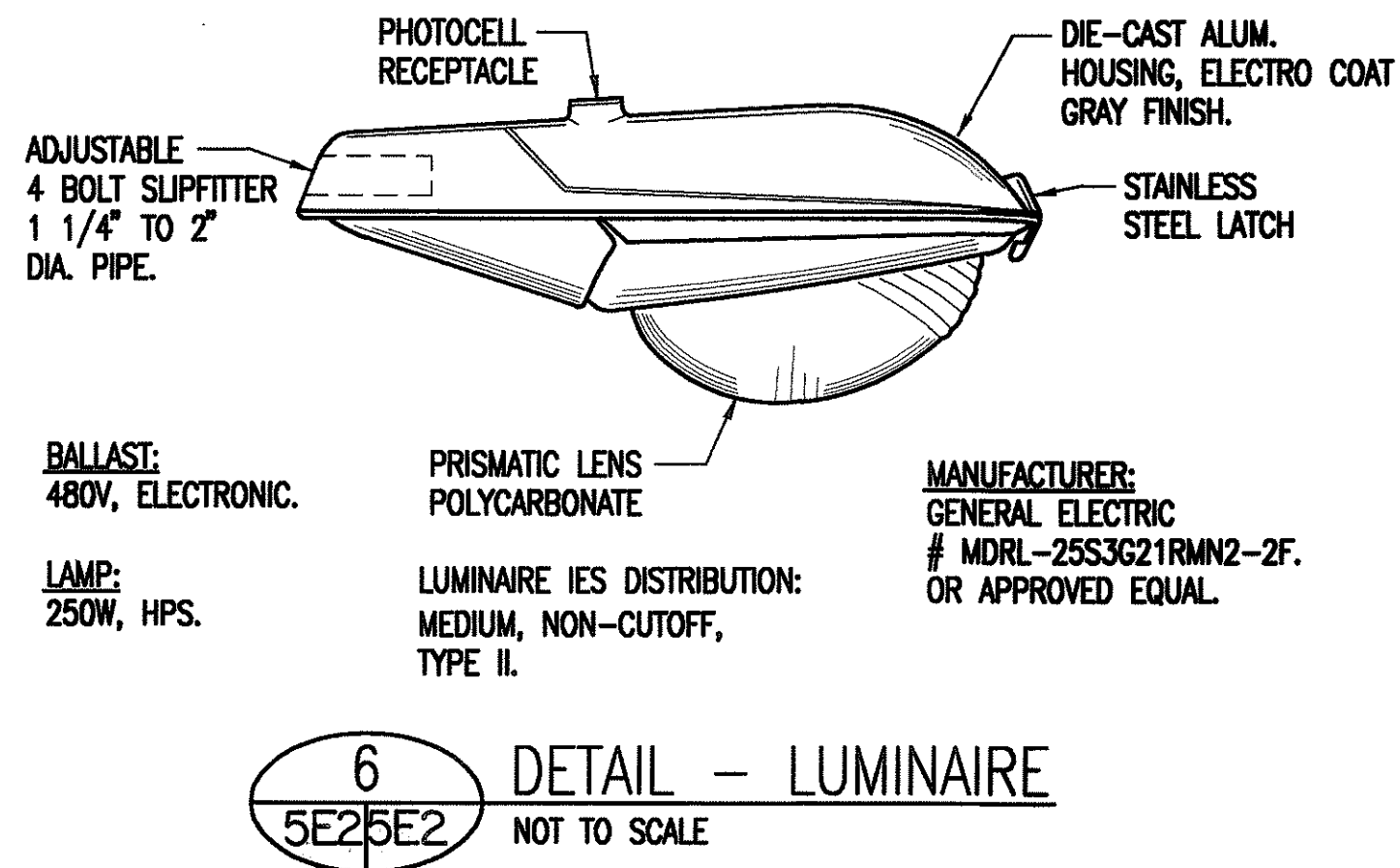


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

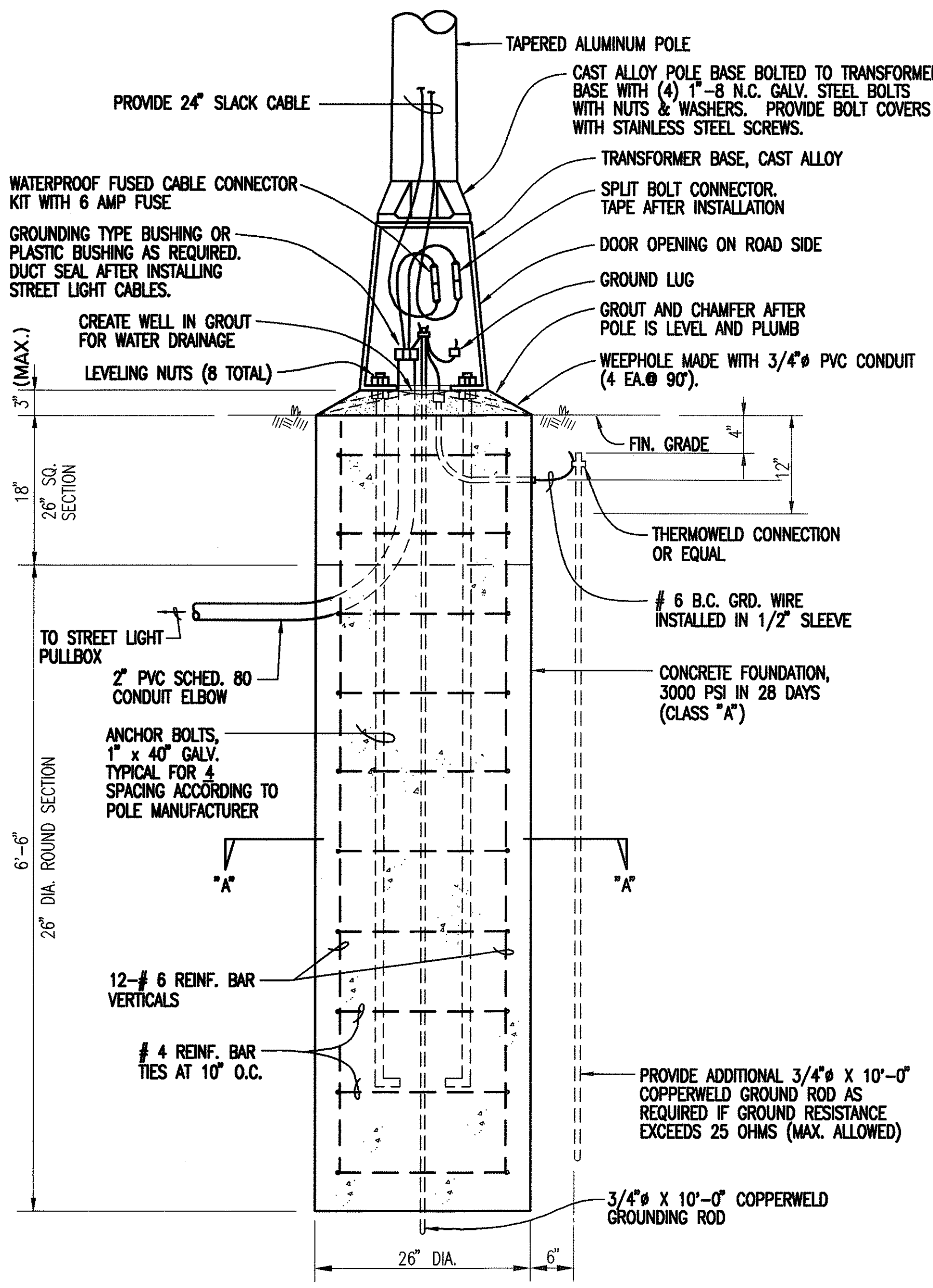
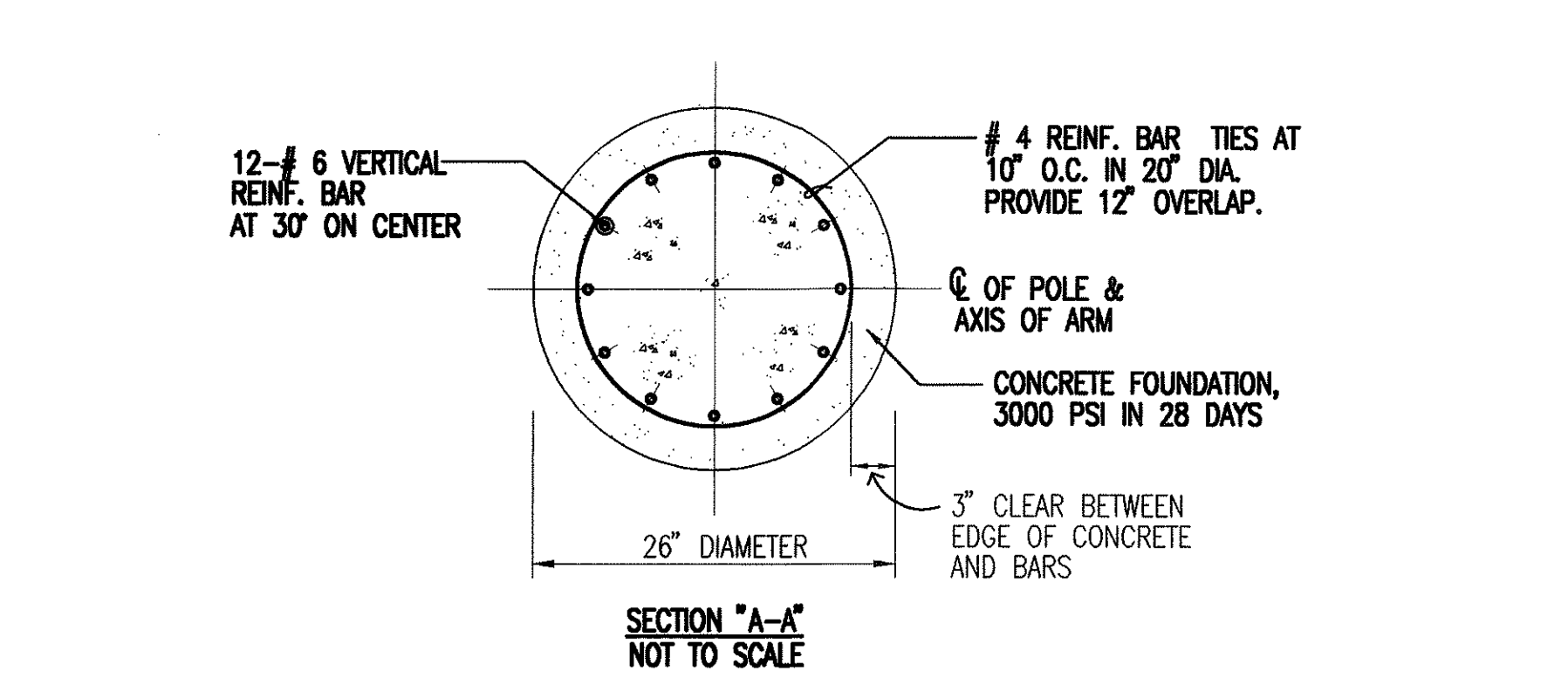
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ADDITIONAL HIGHWAY LIGHTING
WINDWARD HIGHWAY
ELECTRICAL PLAN
H-3 FINISH (UNIT VI)
FAIP. NO. I-H3-1 (75), UNIT VI

SCALE: AS NOTED DATE: APRIL 1999
SHEET No. 5E1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT VI	1999	61	111

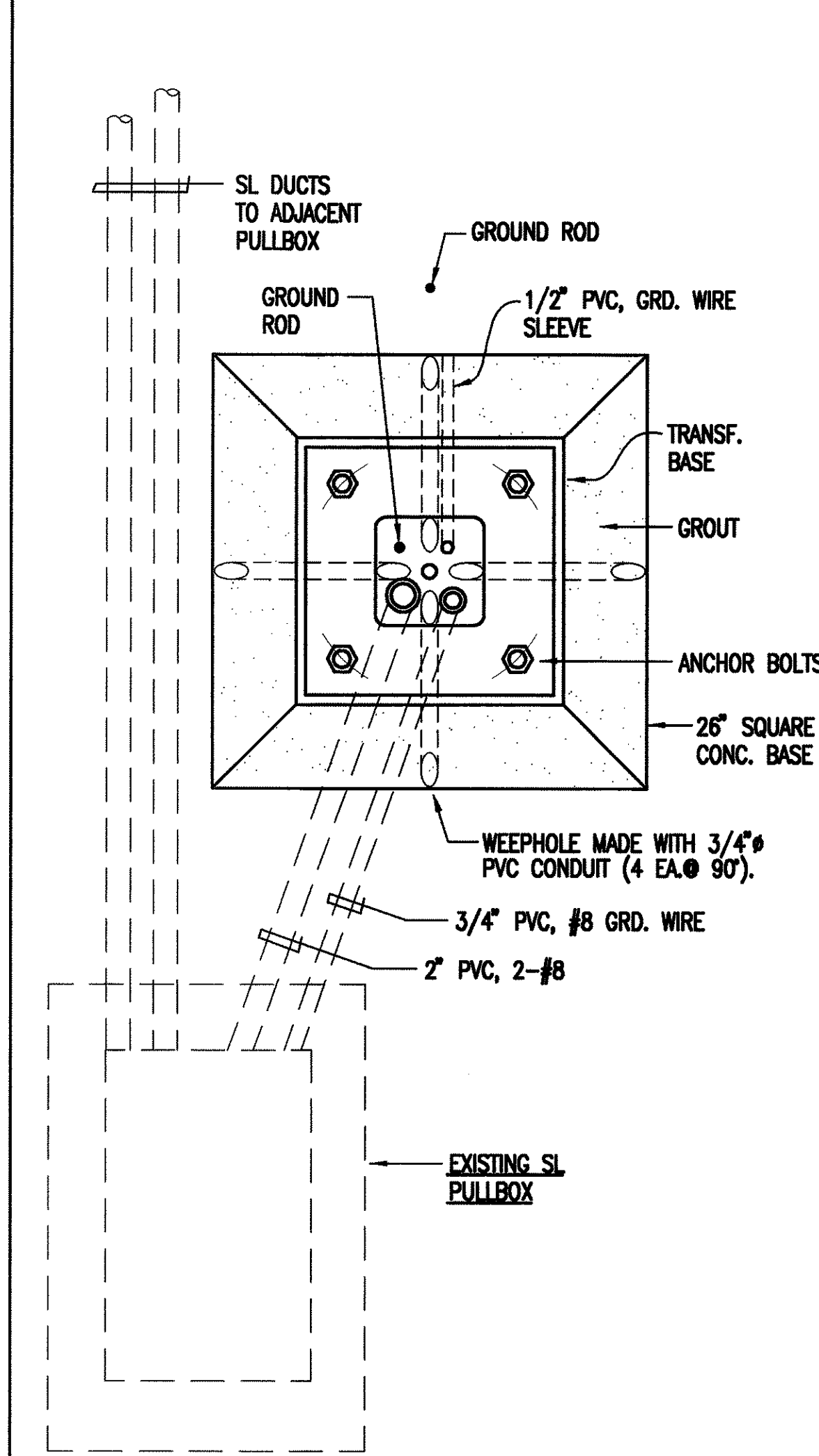


1
5E15E2
DETAIL - HIGHWAY LIGHTING STANDARD
NOT TO SCALE



- NOTES:
- ALL REINFORCING BARS SHALL BE GRADE 60.
 - WEEPHOLES SHALL BE MADE USING 3/4\"/>

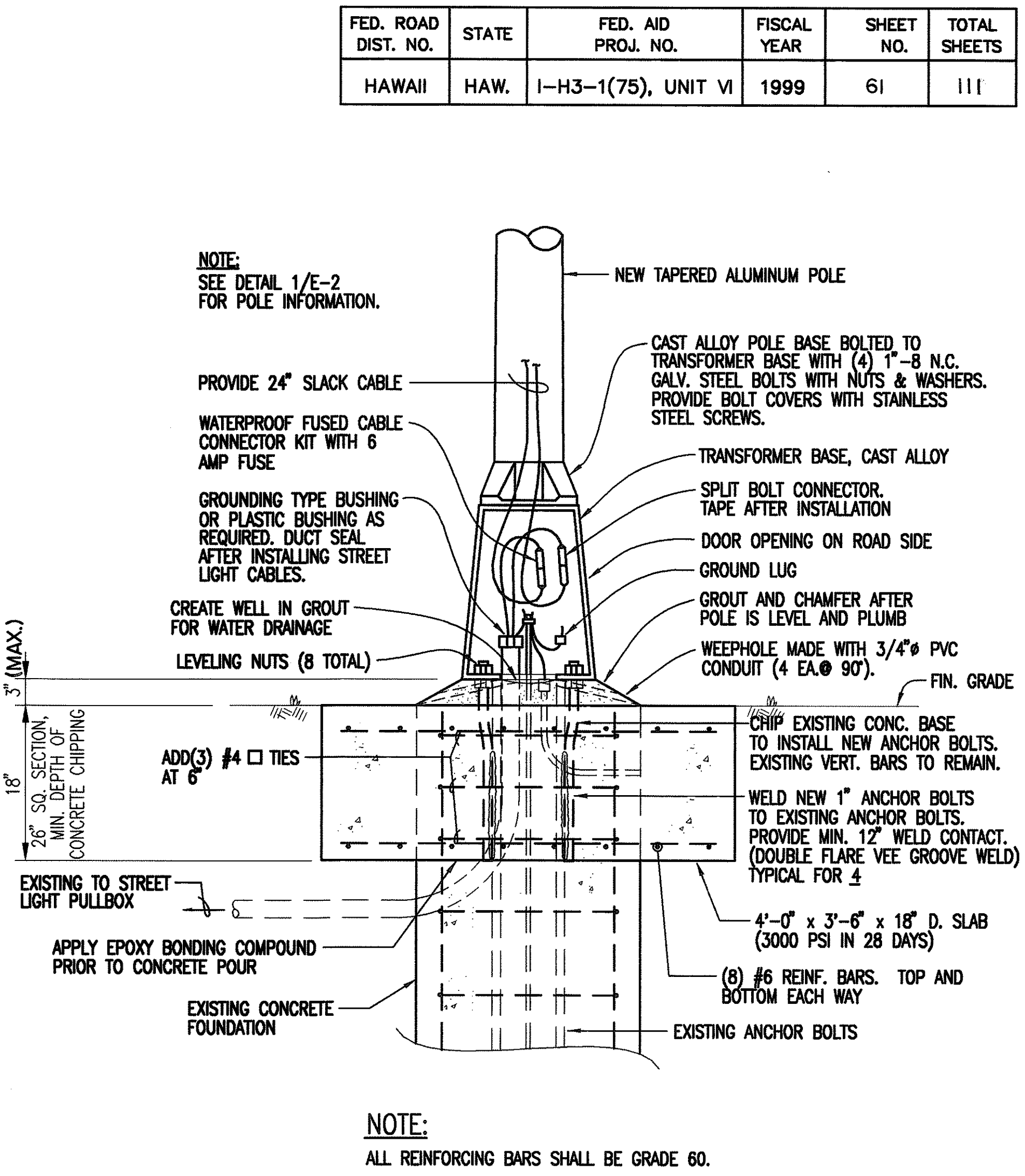
2
5E25E2
DETAIL - CONCRETE FOUNDATION & CAST POLE BASE
NOT TO SCALE



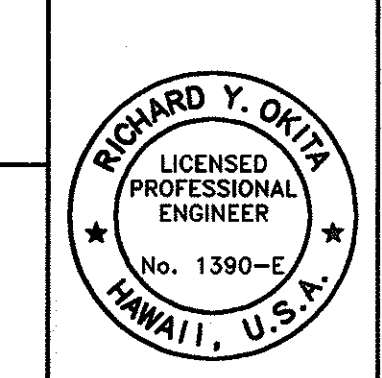
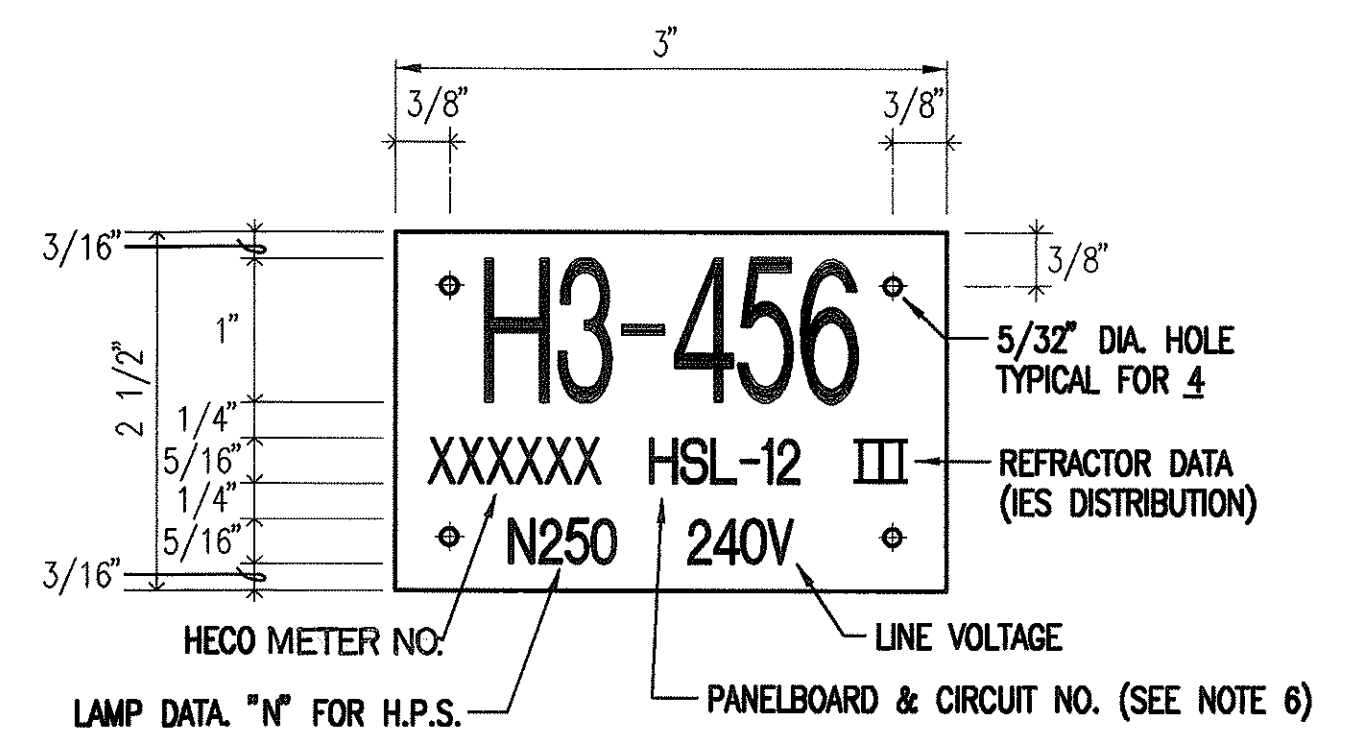
3
5E25E2
PLAN OF STREET LIGHT STANDARD
NOT TO SCALE

- NOTES:
- USE 3-PLY LAMINATED FLEXIBLE PLASTIC BLACK-WHITE-BLACK THICKNESS: BLACK CAP SHEET-0.010\", WHITE BASE SHEET-0.052\", BLACK BASE SHEET-0.010\".
 - LIGHT POLE NUMBER SIZE SHALL BE 1\"/>

5
5E25E2
IDENTIFICATION TAG FOR STREET LIGHT STANDARD
NOT TO SCALE



4
5E1,5E25E2
STREET LIGHT STANDARD ON EXISTING CONCRETE FOUNDATION
NOT TO SCALE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

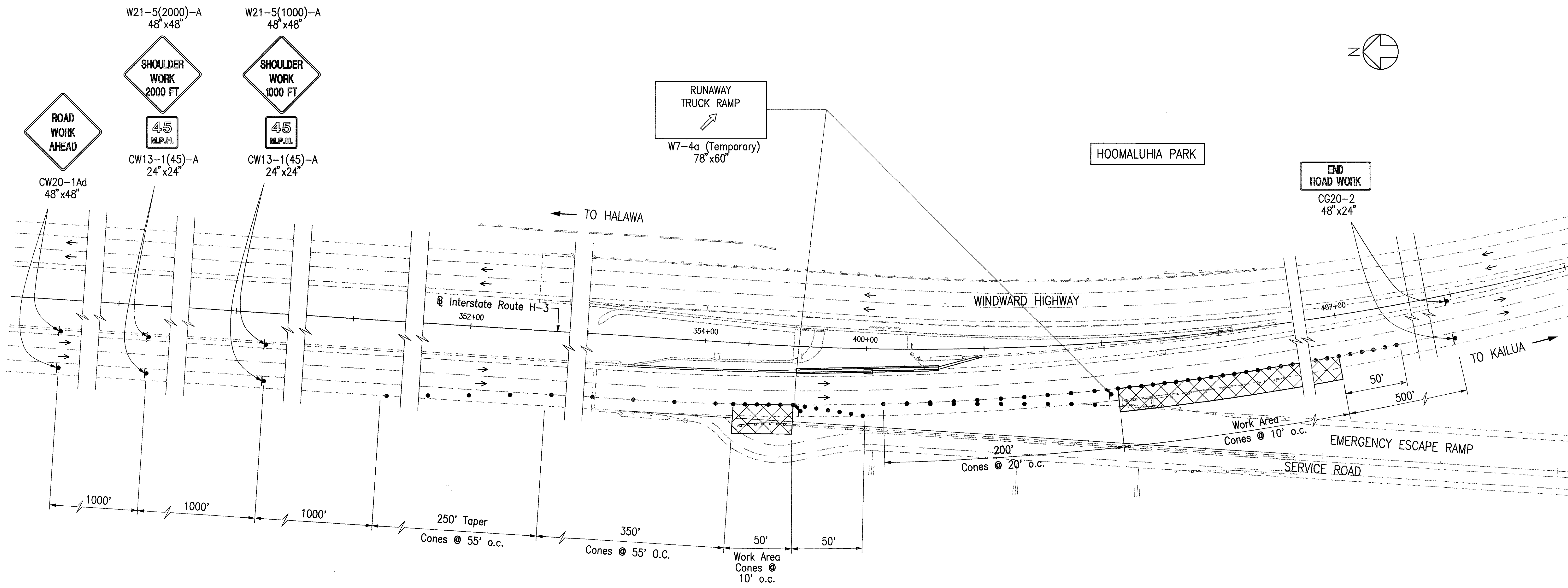
**ADDITIONAL HIGHWAY LIGHTING
WINDWARD HIGHWAY**

TYPICAL STREET LIGHT DETAILS

H-3 FINISH (UNIT VI)
FAIP. NO. I-H3-1 (75), UNIT VI

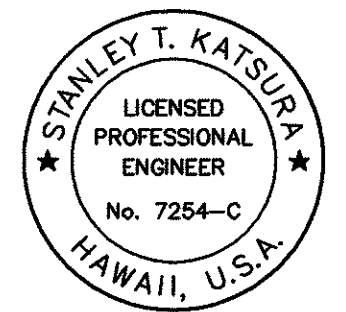
SCALE: AS NOTED
DATE: APRIL 1999
SHEET No. 5E2 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT VI	1999	ADD. 61S-1	111



- LEGEND:**
- Work Area
 - Traffic Cone or Delineator
 - Traffic Control Sign
 - Traffic Flow

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
No.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Stanley T. Katsura

8-9-99	Added Sheet
Date	Revision

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

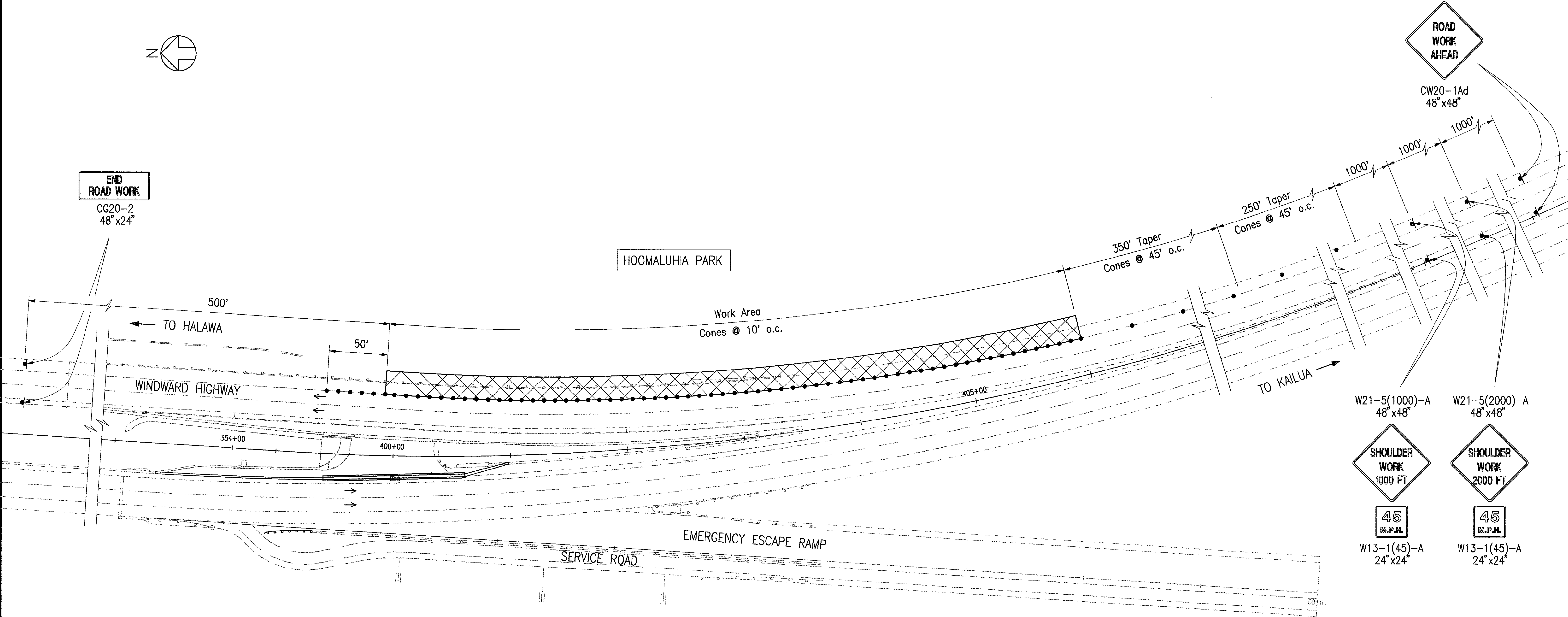
**END TREATMENT MODIFICATIONS
& ADD'L HIGHWAY LIGHTING
TRAFFIC CONTROL PLAN**

H-3 FINISH (UNIT VI)
FAIP NO. I-H3-1(75), UNIT VI

SCALE: 1" = 40' DATE: APRIL 1999
SHEET NO. 5E2A OF 2 SHEETS

ADD. 61S-1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT VI	1999	ADD. 61S-2	111



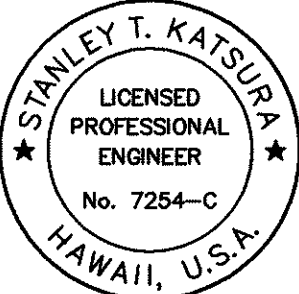
LEGEND:

- Work Area
- Traffic Cone or Delineator
- Traffic Control Sign
- Traffic Flow

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

CD by J. Minura, 95-52

Last Saved: J:\H3RF\RFU6\TCP\HWY-LT1.DWG.dwg 07/07/99 at 14:15



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Stanley T. Katsura

8-9-99	Added Sheet
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ADDITIONAL HIGHWAY LIGHTING TRAFFIC CONTROL PLAN H-3 FINISH (UNIT VI) FAIP NO. I-H3-1(75), UNIT VI SCALE: 1" = 40' DATE: APRIL 1999 SHEET NO. 5E2B OF 2 SHEETS	

ADD. 61S-2