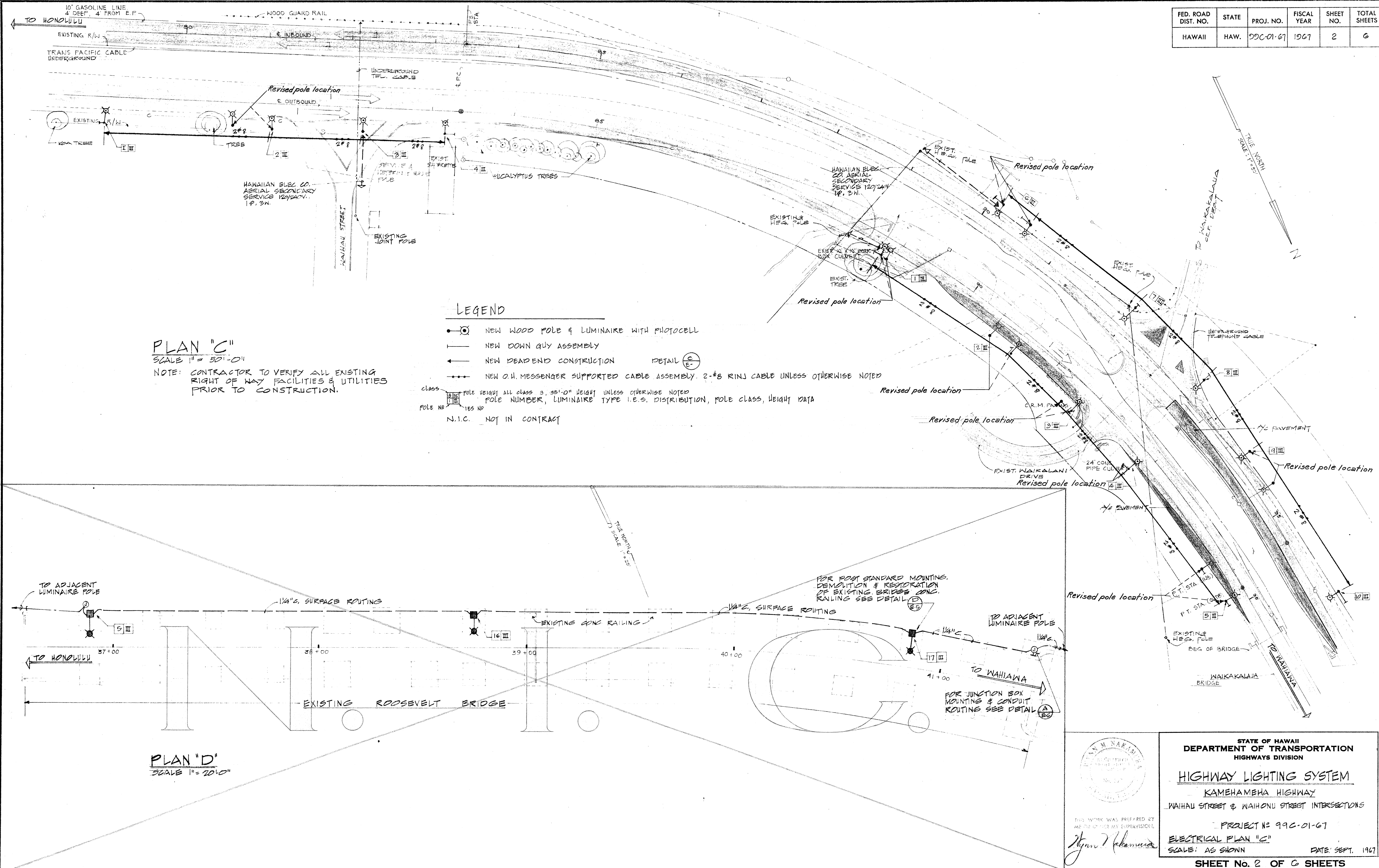


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-67	1967	2	6



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

M. Nakamura

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM

KAMEHAMEHA HIGHWAY
WAIHOU STREET & WAIHONU STREET INTERSECTIONS

PROJECT NO. 99C-01-67

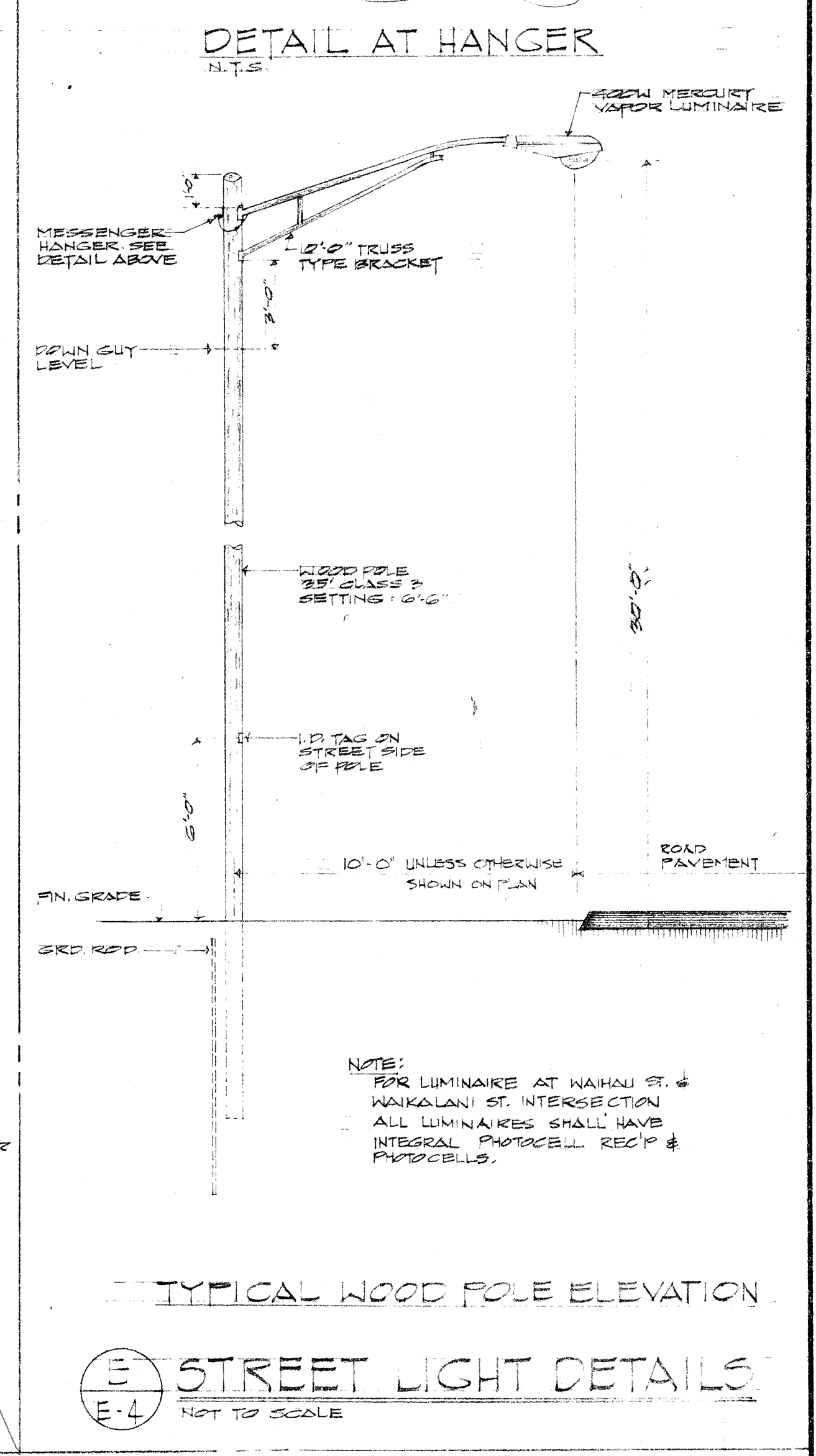
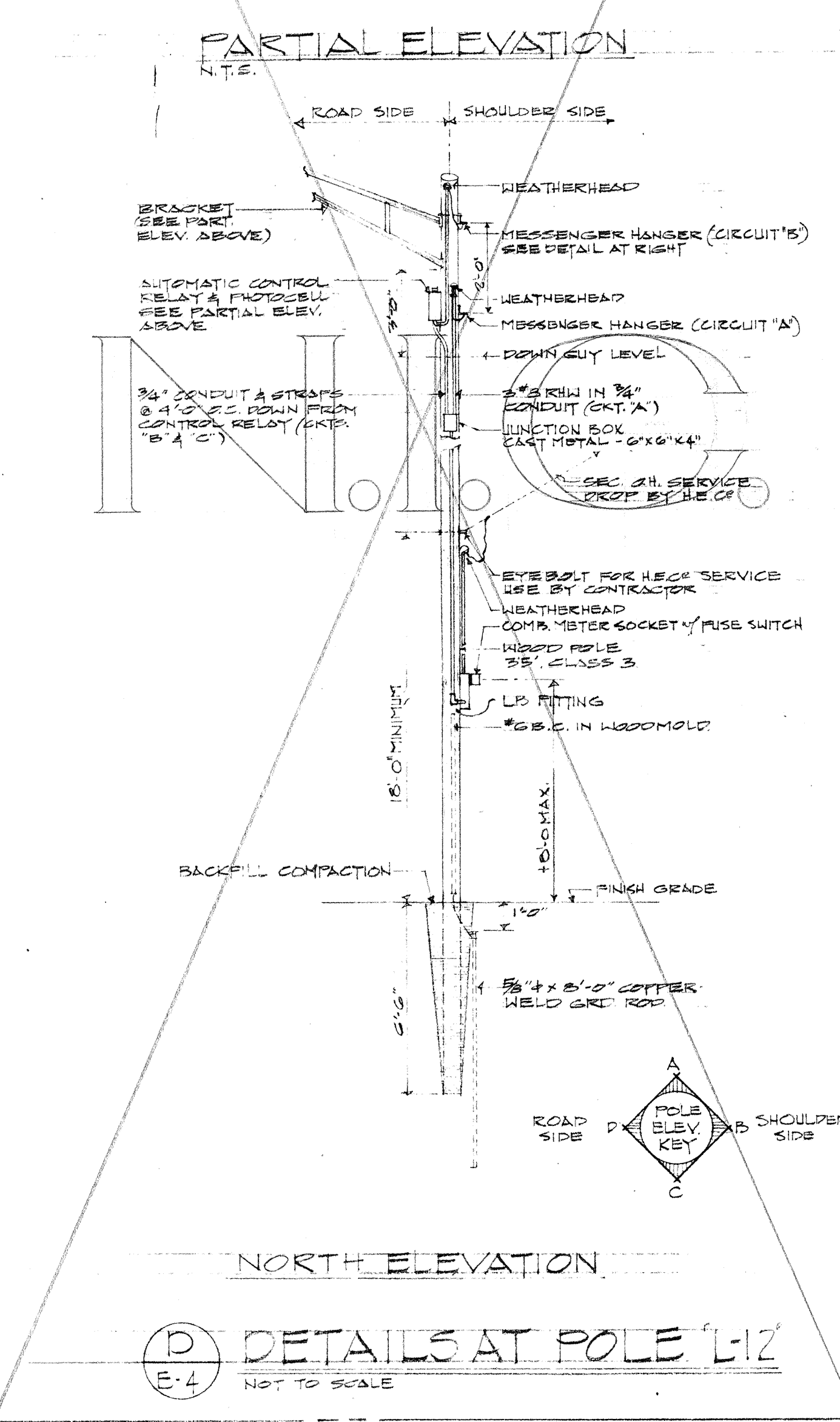
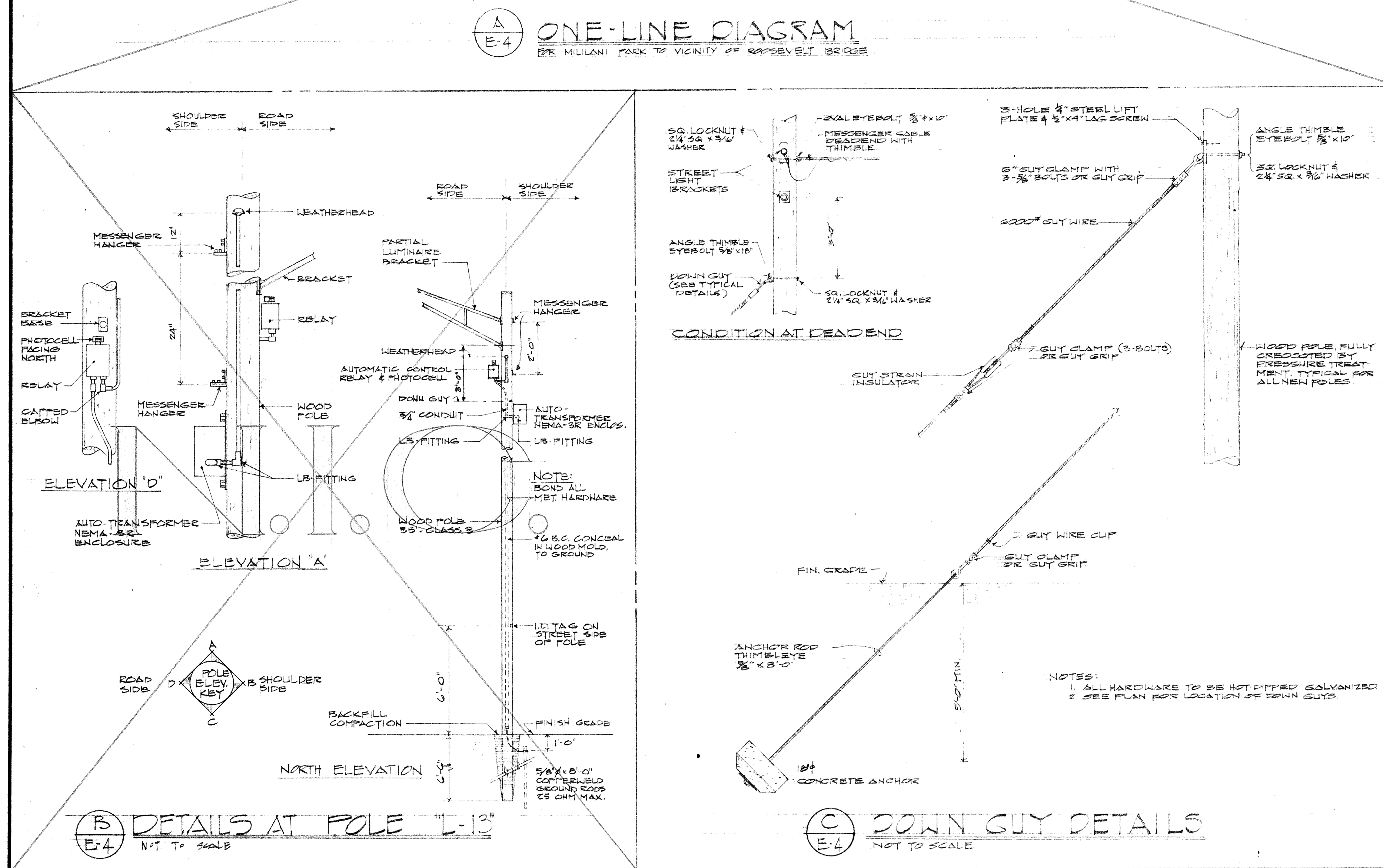
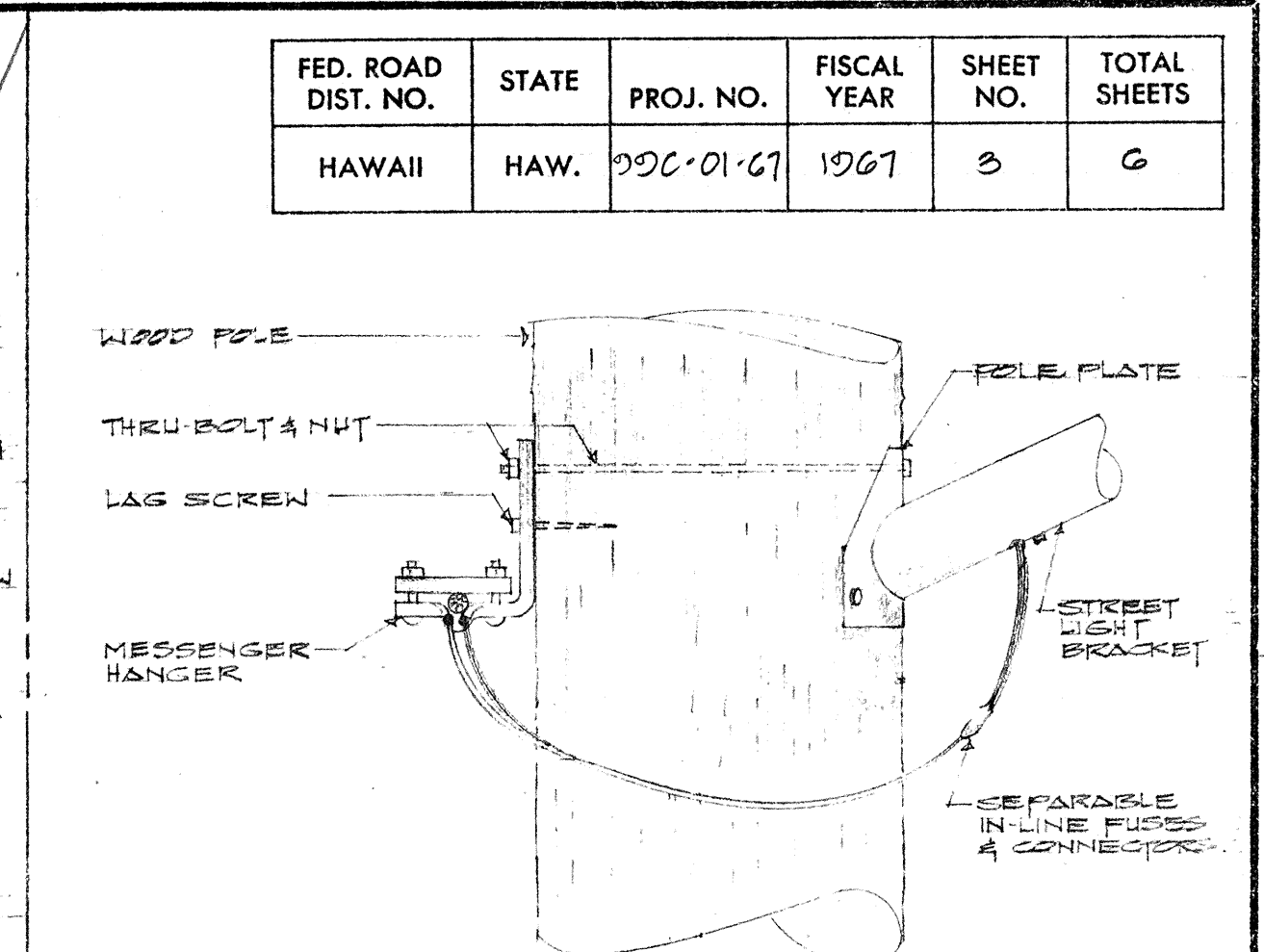
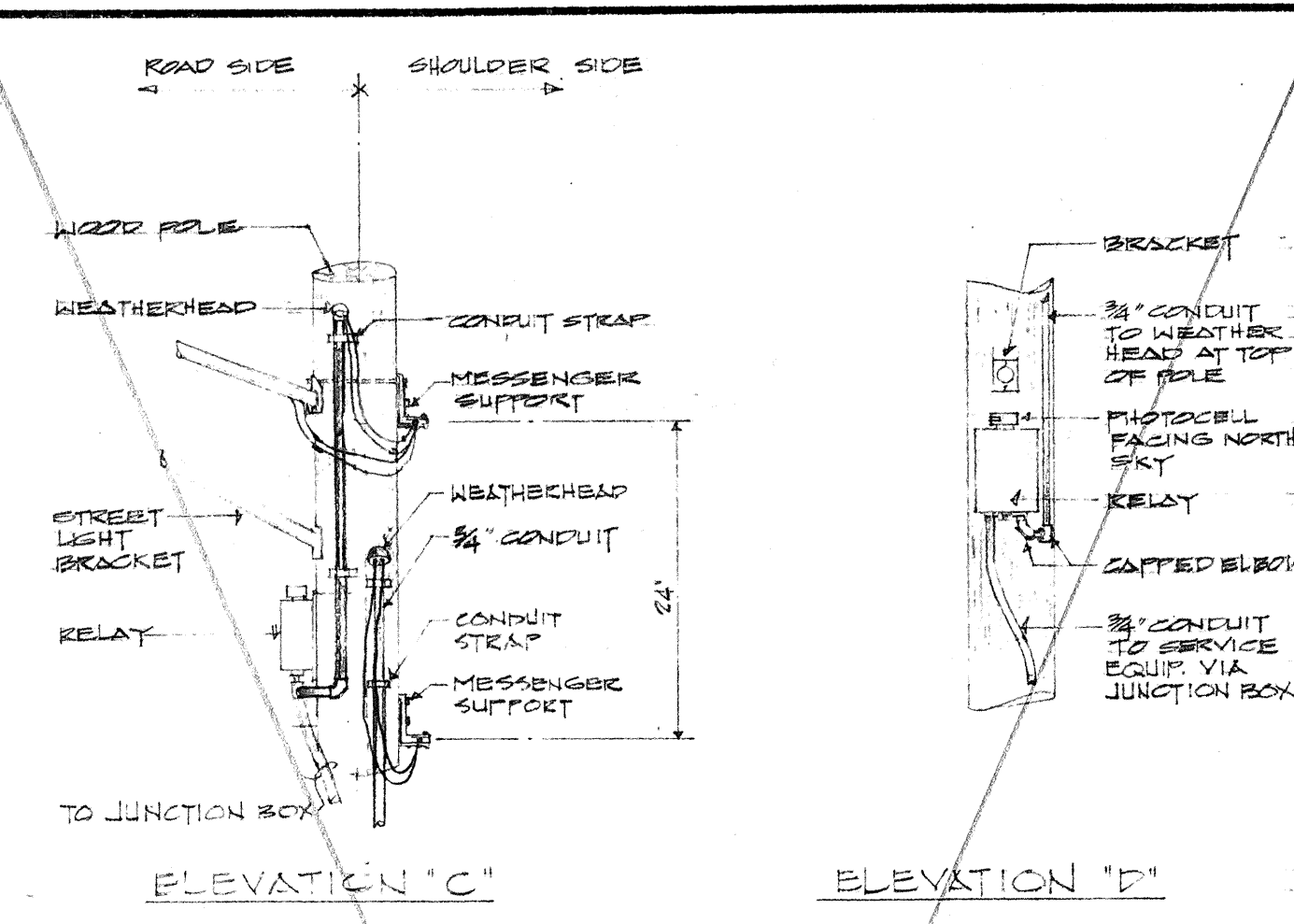
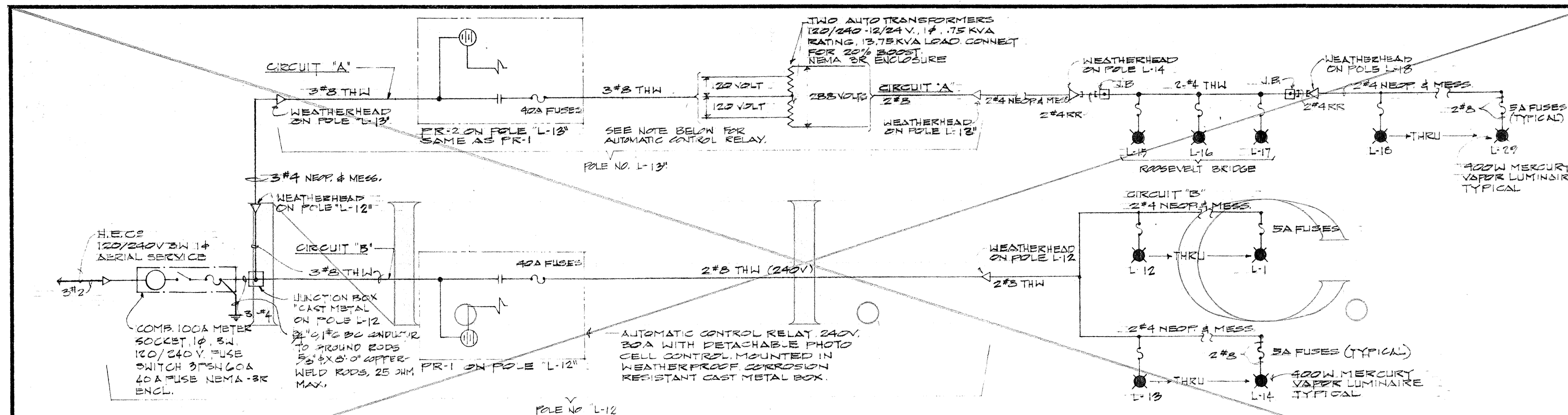
ELECTRICAL PLAN "C"

SCALE: AS SHOWN

DATE: SEPT. 1967

SHEET No. 2 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DDC-01-67	1967	3	6



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



U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION
REGISTERED PROFESSIONAL ENGINEER
No. 513

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Hyun Nakamura

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM

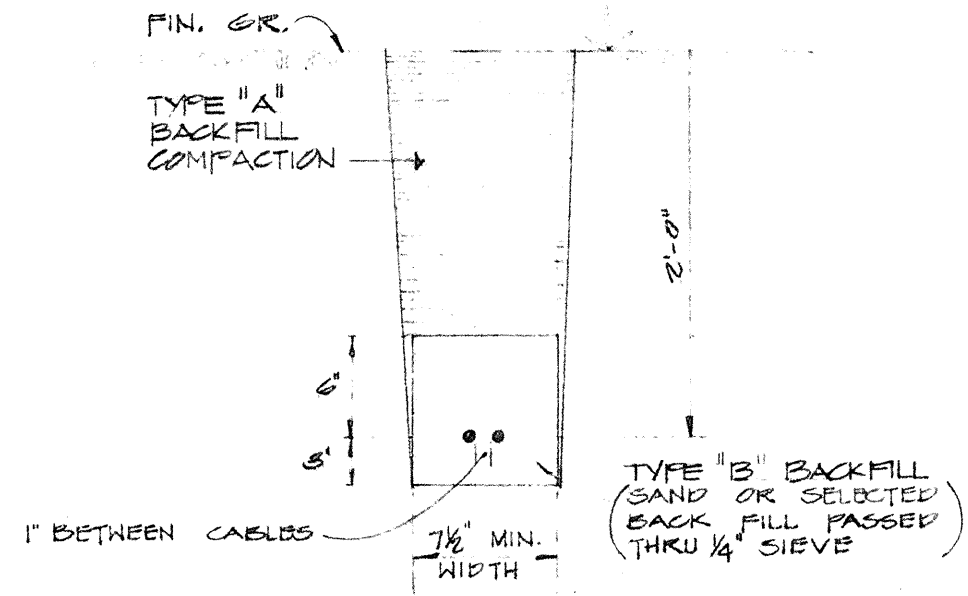
KAMEHAMEHA HIGHWAY
WAIHALU STREET & WAIKONO STREET INTERSECTIONS

PROJECT NO 99C-01-67

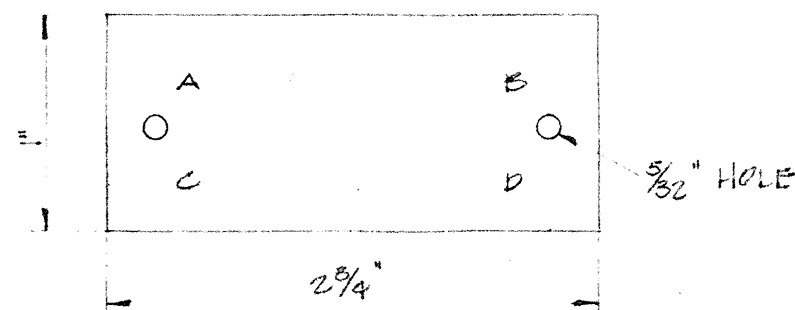
ONE-LINE DIAGRAM & MISCELLANEOUS DETAILS
SCALE: AS SHOWN DATE: SEPT. 1967

SHEET No. 3 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-67	1967	4	6



A TRENCHING
E-5 SECTION "B-B"



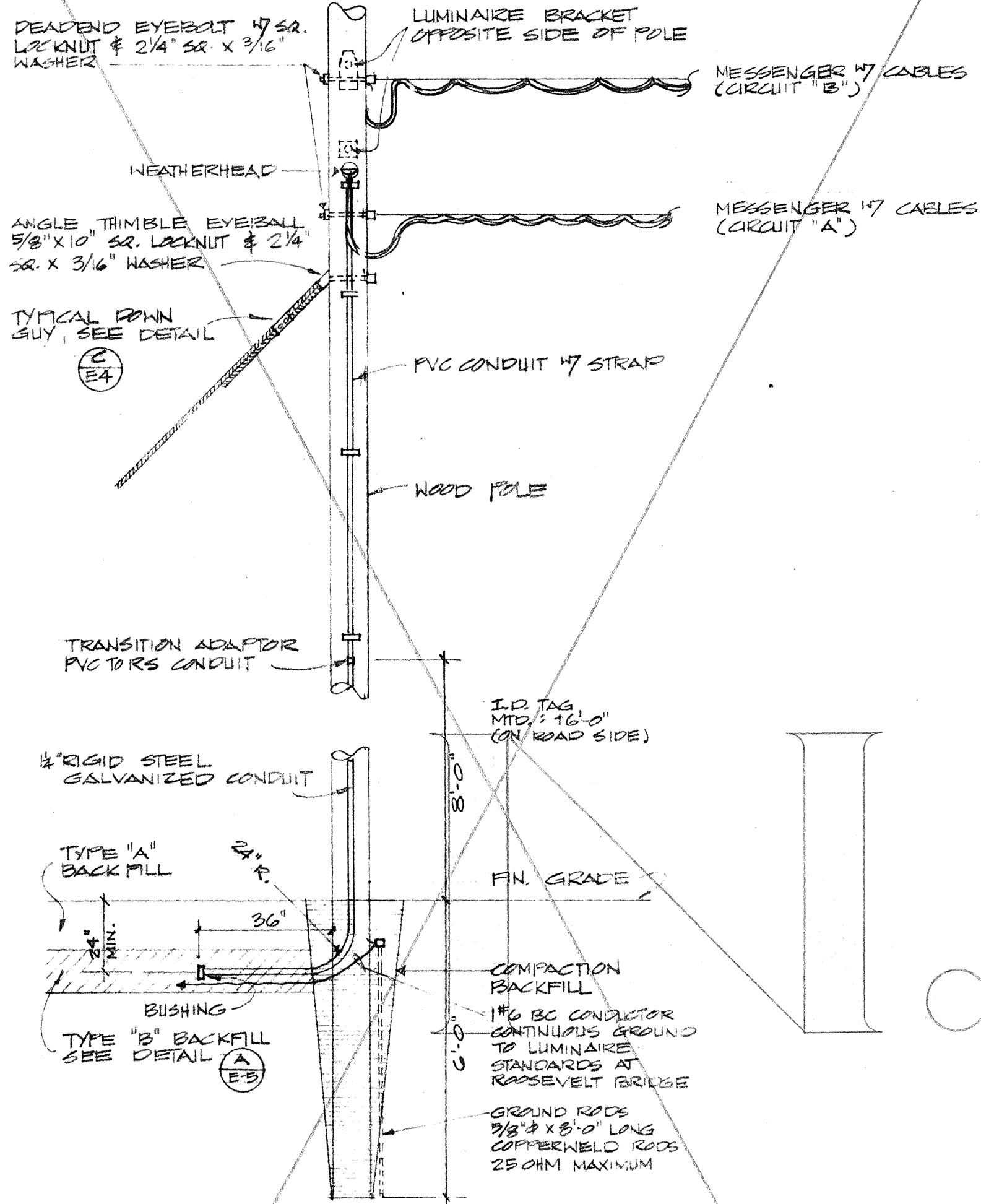
LEGEND:

- A = CONTRACT NUMBER
- B = LIGHT NUMBER (NOTE: FOR NUMBER SEE PLAN)
- C = LAMP DATA: #400W
- D = REFRACTOR DATA: TYPE NO. (NOTE: FOR NUMBER SEE PLAN)

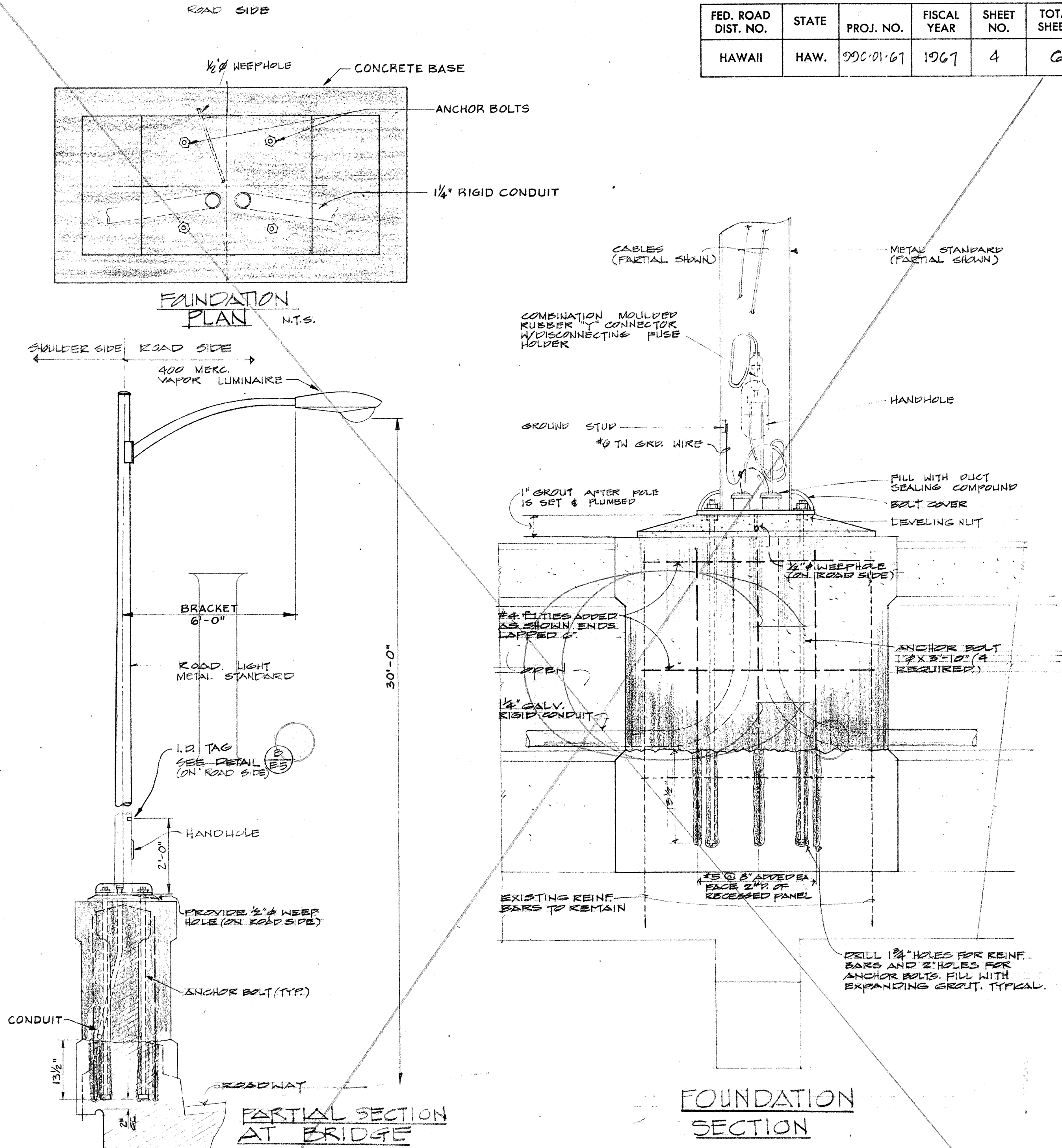
NOTES:

1. TAG - MAKE FROM PLASTIC SHEET (GRAVOFLEX/3 PLY). LAMINATED BLACK-WHITE-BLACK.
2. MOUNTING HEIGHT OF TAG = 6'-0" FROM FIN. GRADE.
3. LETTERS - NO. 8 REDUCTION, 1/8", STENCILLED
4. ATTACH TO ALUMINUM POST WITH NO. 7 ALUMINUM DRIVE SCREW. ATTACH TO STEEL POST WITH NO. 7 CAP. PLATED DRIVE SCREW. ATTACH TO WOOD POLES WITH 4D NAILS.

B IDENTIFICATION TAGS DET.
E-5 NOT TO SCALE



C DETAILS of POLE L-14
E-5 N.T.S.



D LUMINAIRE & METAL STANDARD DETAILS
E-5 N.T.S.

NOTE:
SHADED PORTION TO BE REMOVED AND REBUILT TO MATCH ORIGINAL DIMENSIONS EXCEPT FOR CHANGES REQUIRED AS SHOWN.

TOTAL ESTIMATED QUANTITIES
(INCIDENTAL TO VARIOUS ITEMS)
CLASS A-1 CONCRETE = 143 C.Y.
REINFORCING STEEL = 172 LBS.



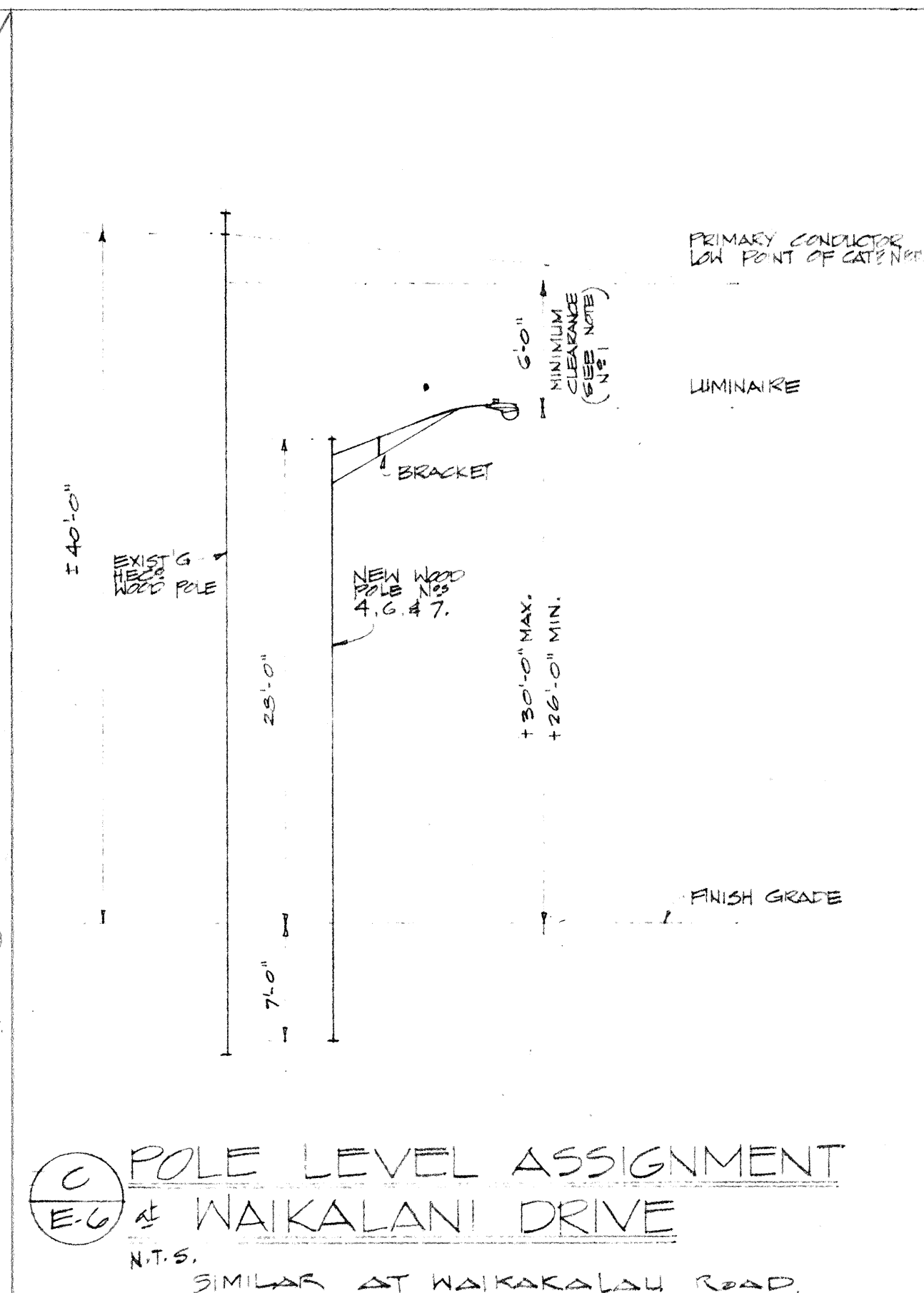
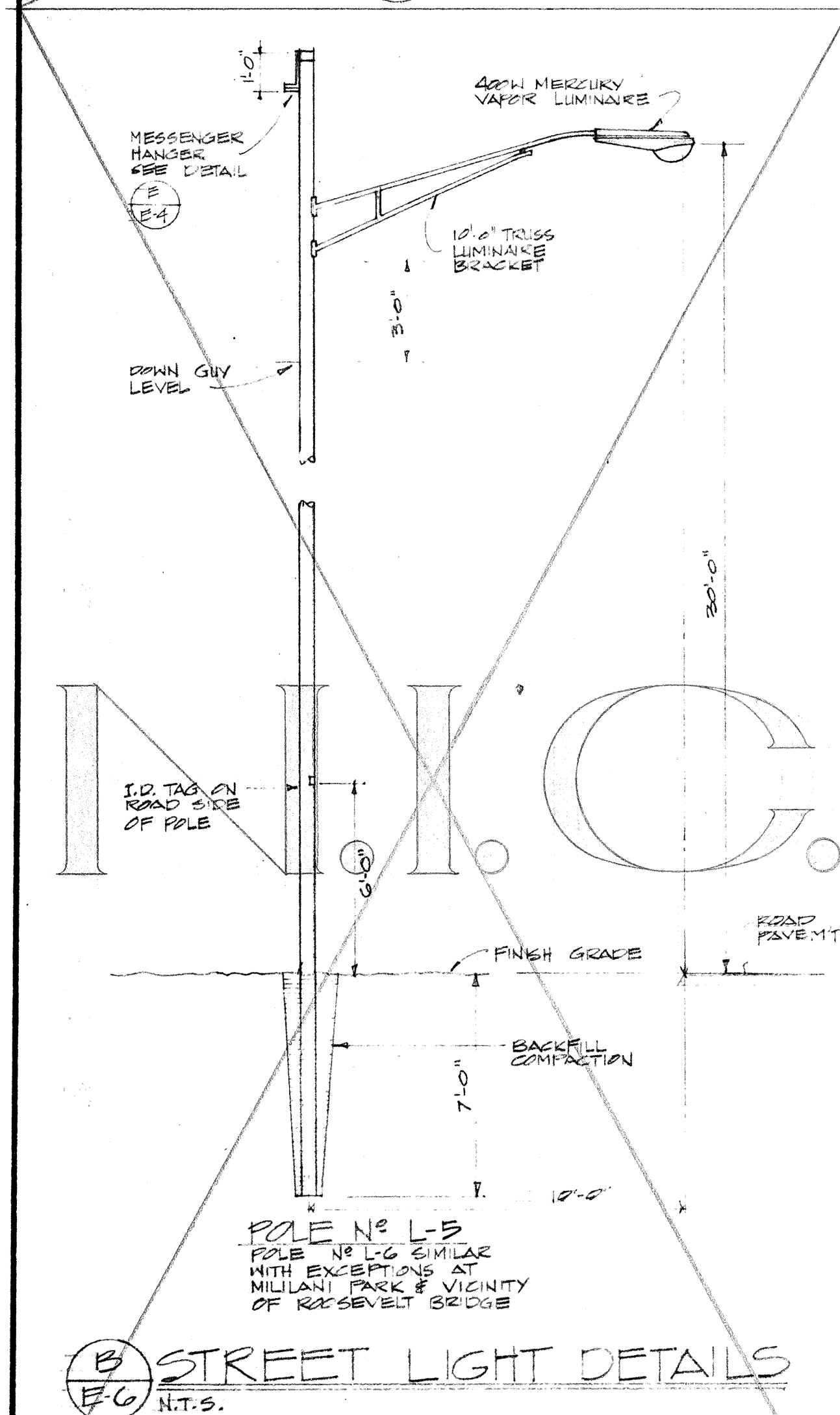
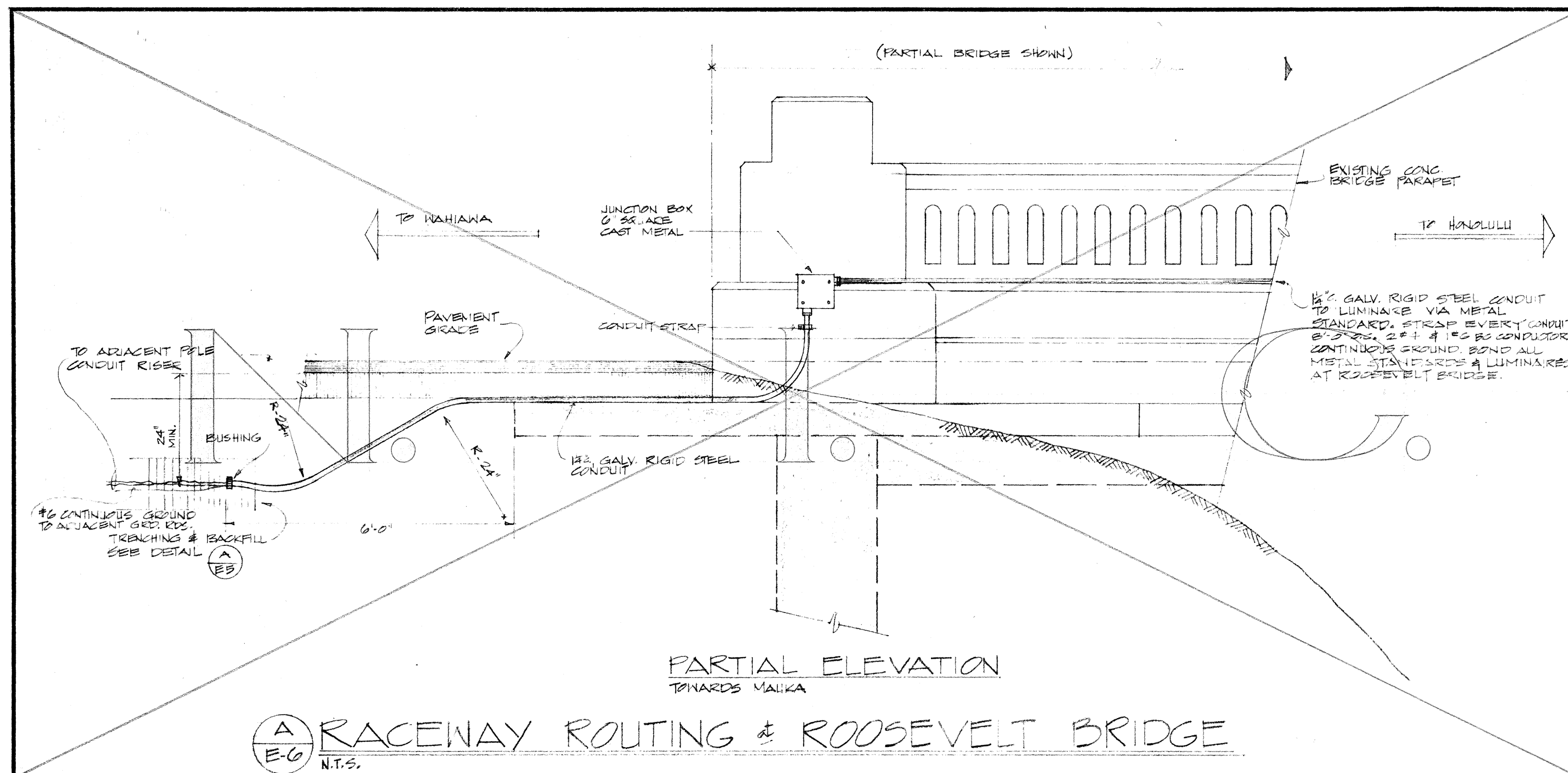
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION,
Kiyomasa Nakamura

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM
KAMEHAMEHA HIGHWAY
WAIHOU STREET & WAIHONU STREET INTERSECTIONS
PROJECT NO. 99C-01-67
LUMINAIRE & STANDARD DETAILS
SCALE: AS SHOWN DATE: SEPT. 1967

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-67	1967	5	6



NOTE: 1. IF LUMINAIRE DOES NOT HAVE 6'-0" MINIMUM CLEARANCE WITH HAWAIIAN ELECTRIC CO. PRIMARY CONDUCTORS, CONTRACTOR SHALL LOWER LUMINAIRE TO OBTAIN PROPER CLEARANCE. 2. ANY DEVIATION FROM DRAWINGS, CONTRACTOR SHALL NOTIFY STATE DEPT. OF TRANSPORTATION'S ENGINEER-IN-CHARGE.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

William M. Nakamura

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM

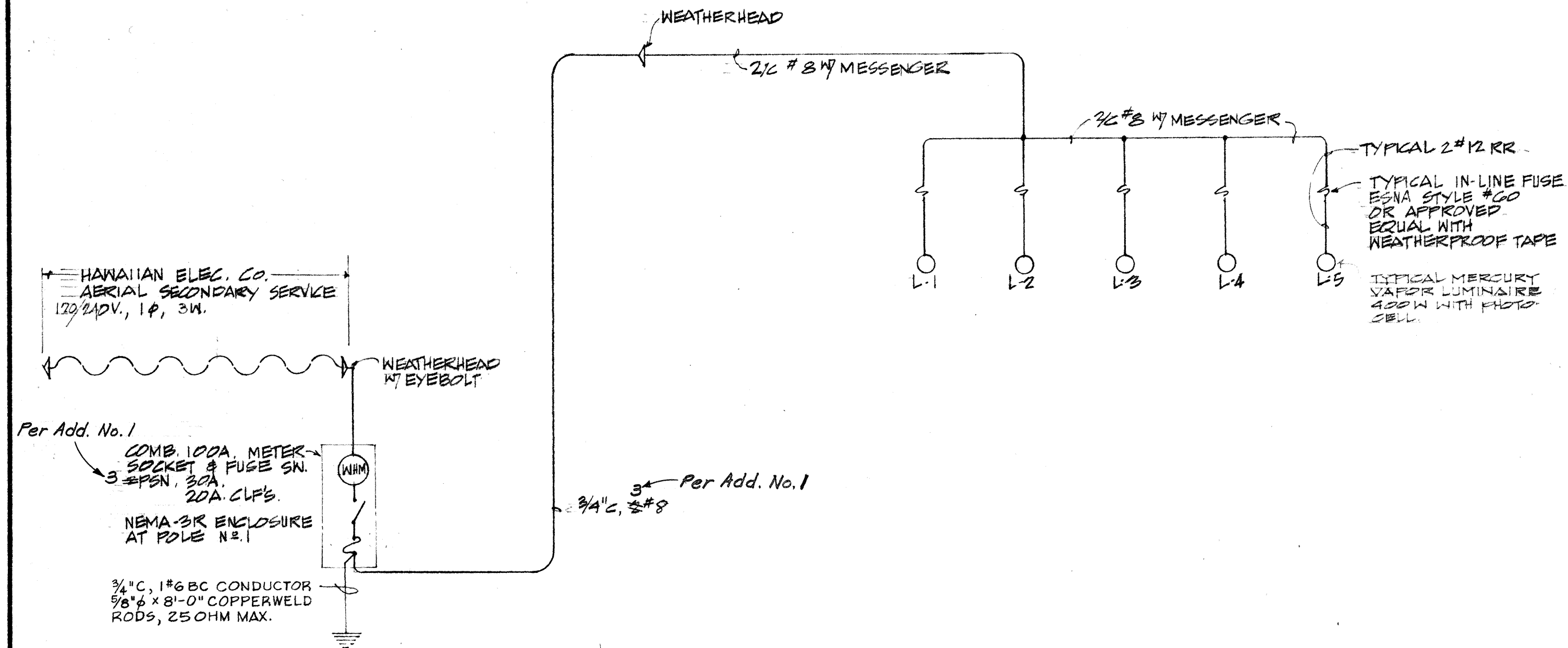
KAMEHAMEHA HIGHWAY
WAIHAE STREET & WAIHONU STREET INTERSECTIONS

PROJECT NO. 99C-01-67

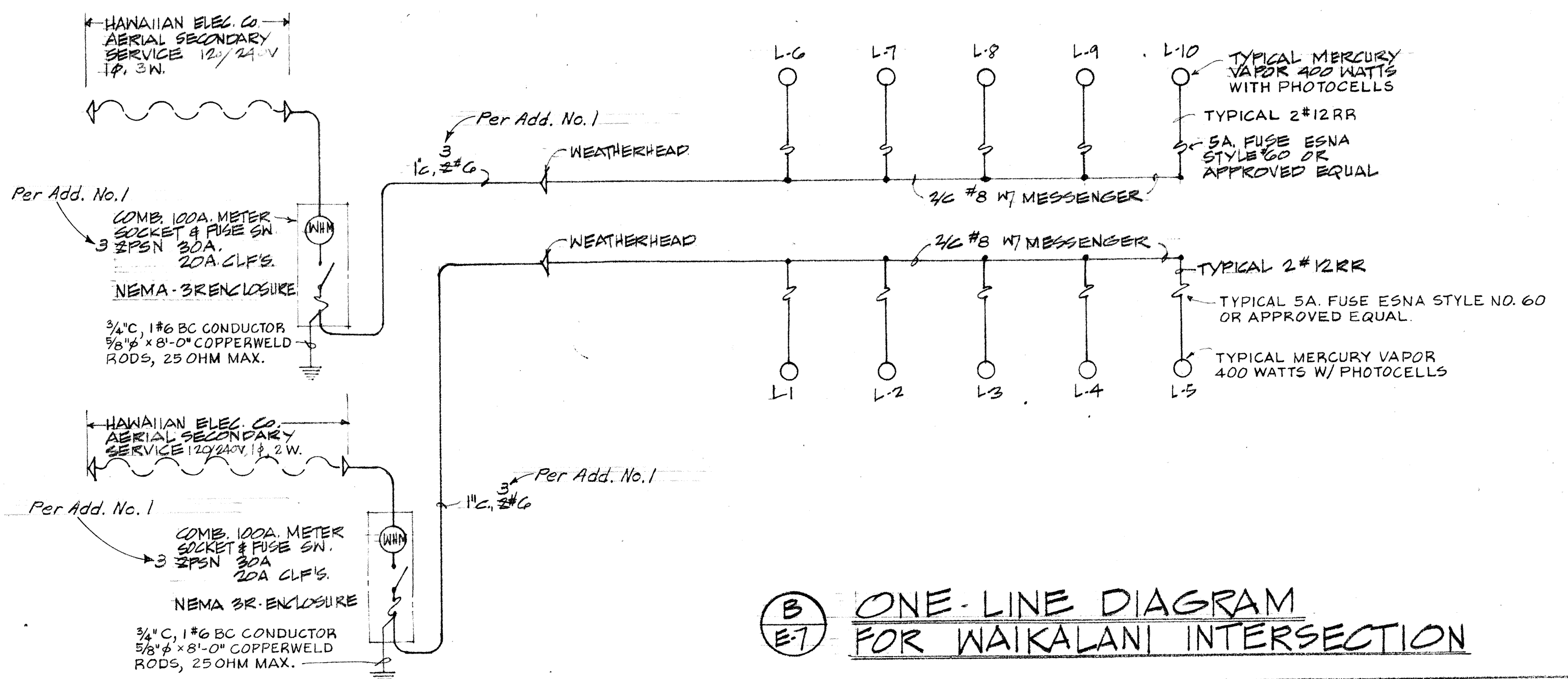
MISCELLANEOUS ELECTRICAL DETAILS
SCALE: AS SHOWN DATE: SEPT. 1967

SHEET No. 5 OF 6 SHEETS

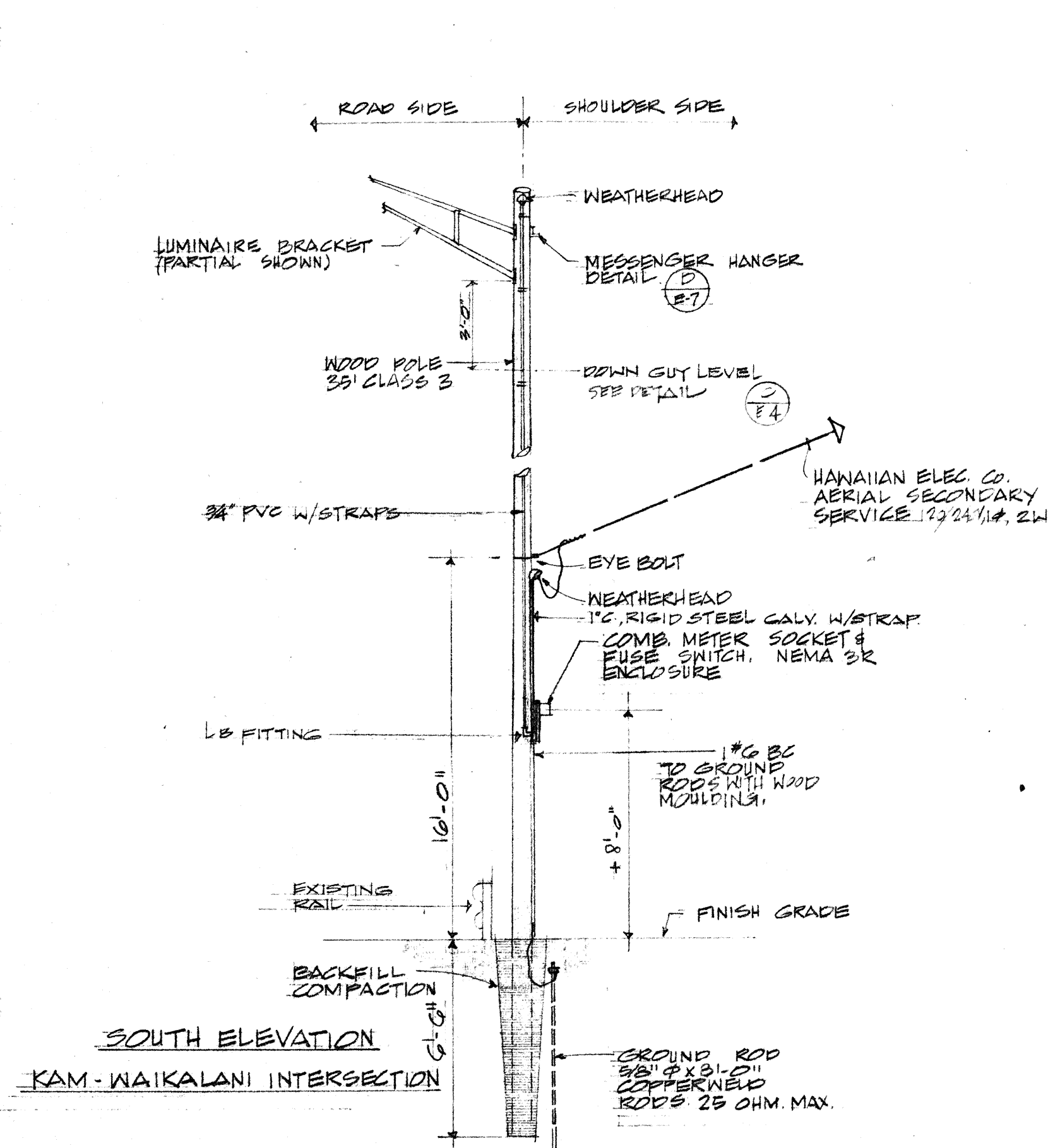
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-67	1967	6	6



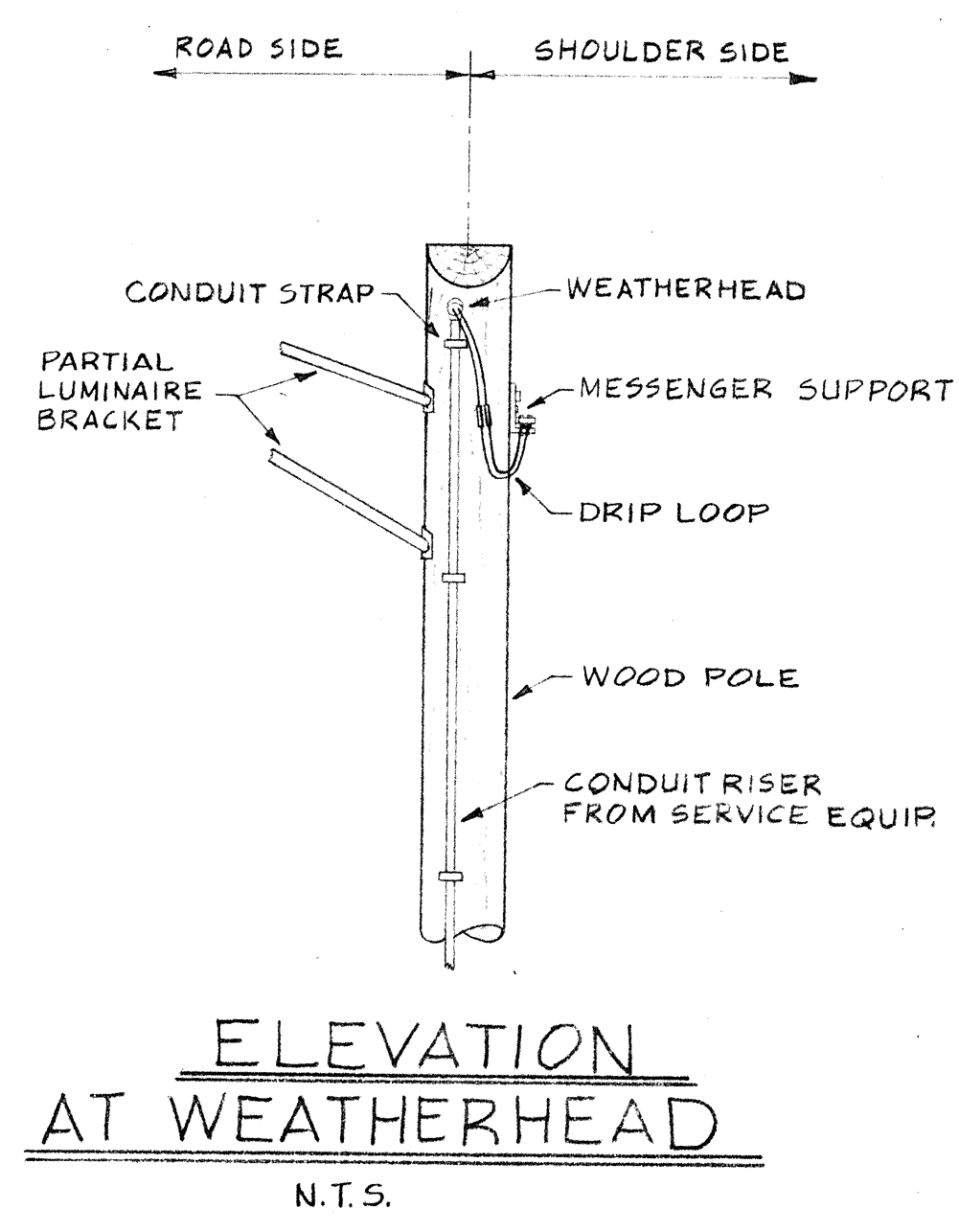
A ONE LINE DIAGRAM FOR WAIHU INTERSECTION



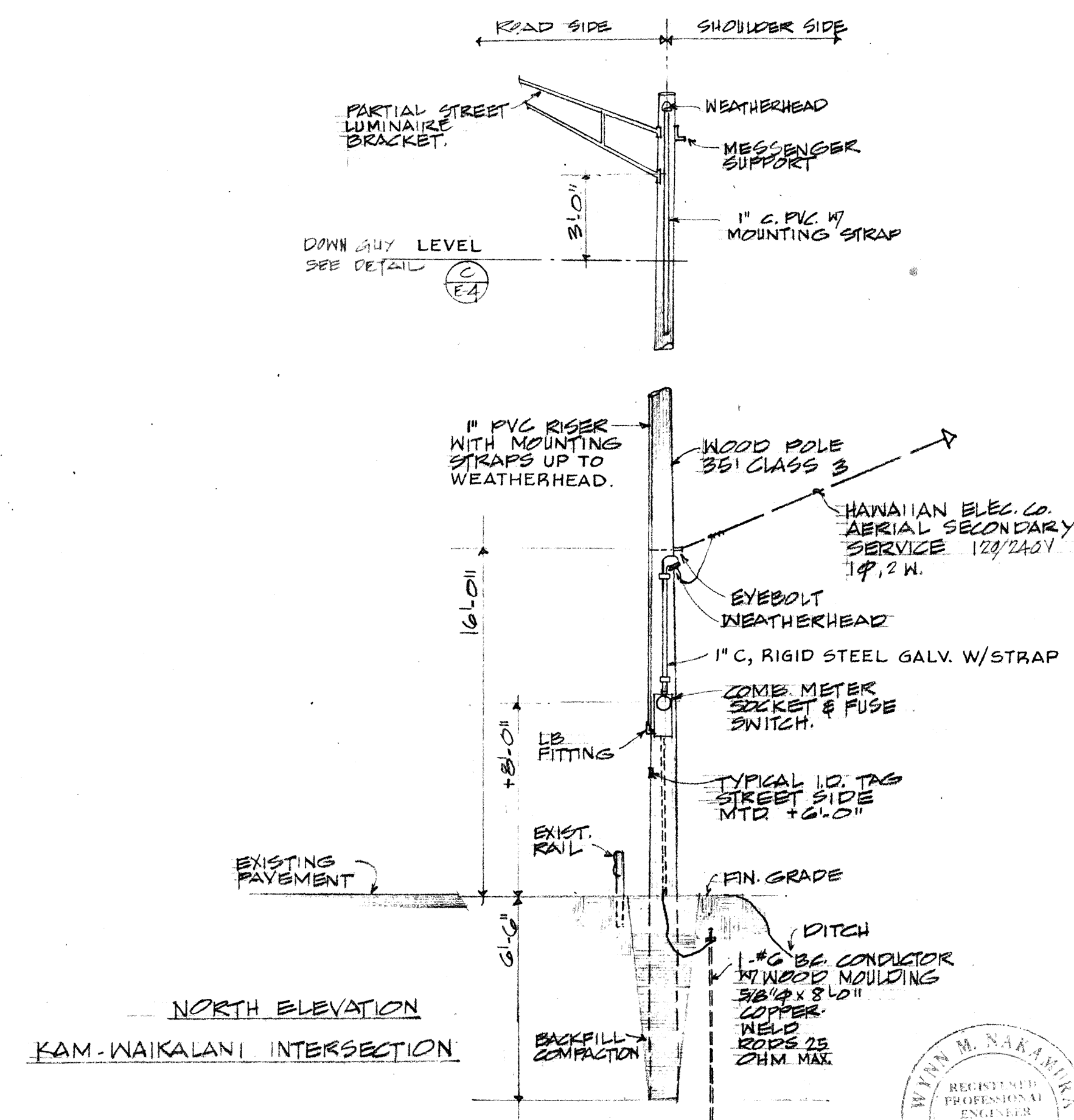
B ONE LINE DIAGRAM FOR WAIKALANI INTERSECTION



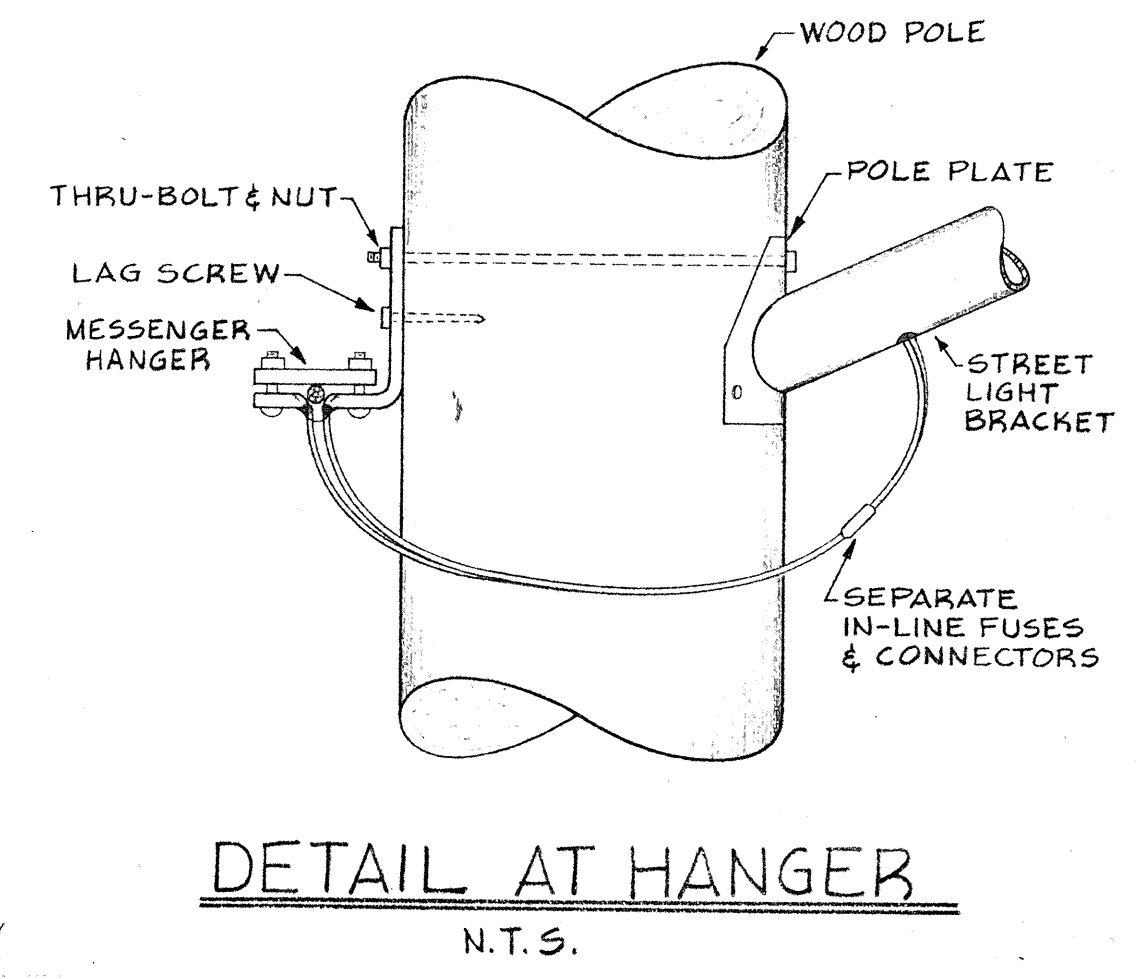
C DETAILS AT POLE No. 6
NOT TO SCALE
NOTE: SIMILAR AT POLE No. 4 (WAIHU STREET) WITH EXCEPTIONS AS SHOWN ON PLAN.



ELEVATION AT WEATHERHEAD
N.T.S.



D DETAILS AT POLE No. L-1
NOT TO SCALE



DETAIL AT HANGER
N.T.S.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KAMEHAMEHA HIGHWAY
WAIHU STREET & WAIHONU STREET INTERSECTIONS
PROJECT No. 99C-01-67
ONE-LINE DIAGRAMS & MISCELLANEOUS DETAILS
SCALE: AS SHOWN
DATE: SEPT. 1967
SHEET No. 6 OF 6 SHEETS

DATE: _____
DESIGNED BY: _____
CHECKED BY: _____
NOTED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____