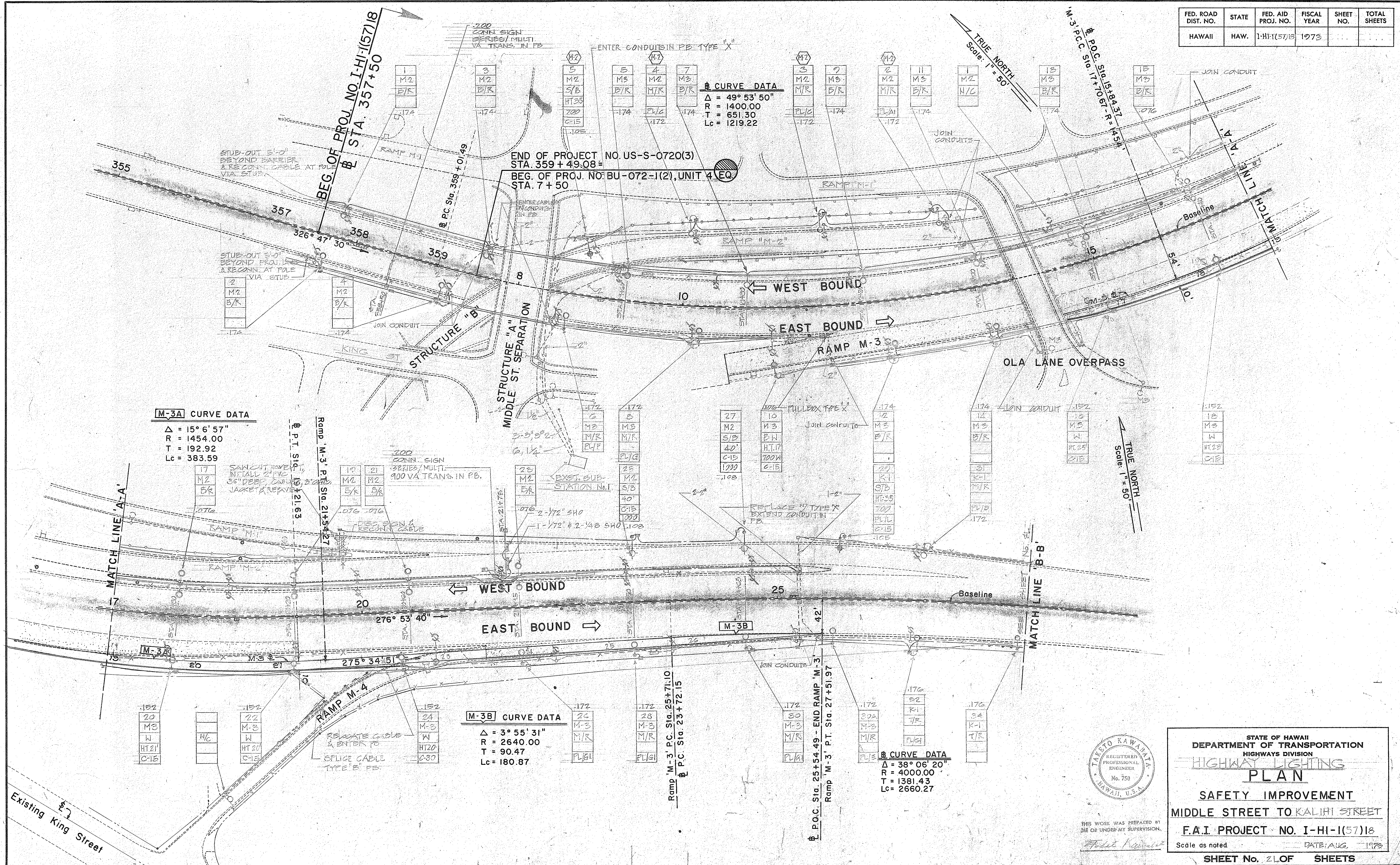


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(57)18	1973	...	...



M-3A CURVE DATA
 $\Delta = 15^\circ 6' 57"$
 $R = 1454.00$
 $T = 192.92$
 $L_c = 383.59$

M-3B CURVE DATA
 $\Delta = 3^\circ 55' 31"$
 $R = 2640.00$
 $T = 90.47$
 $L_c = 180.87$

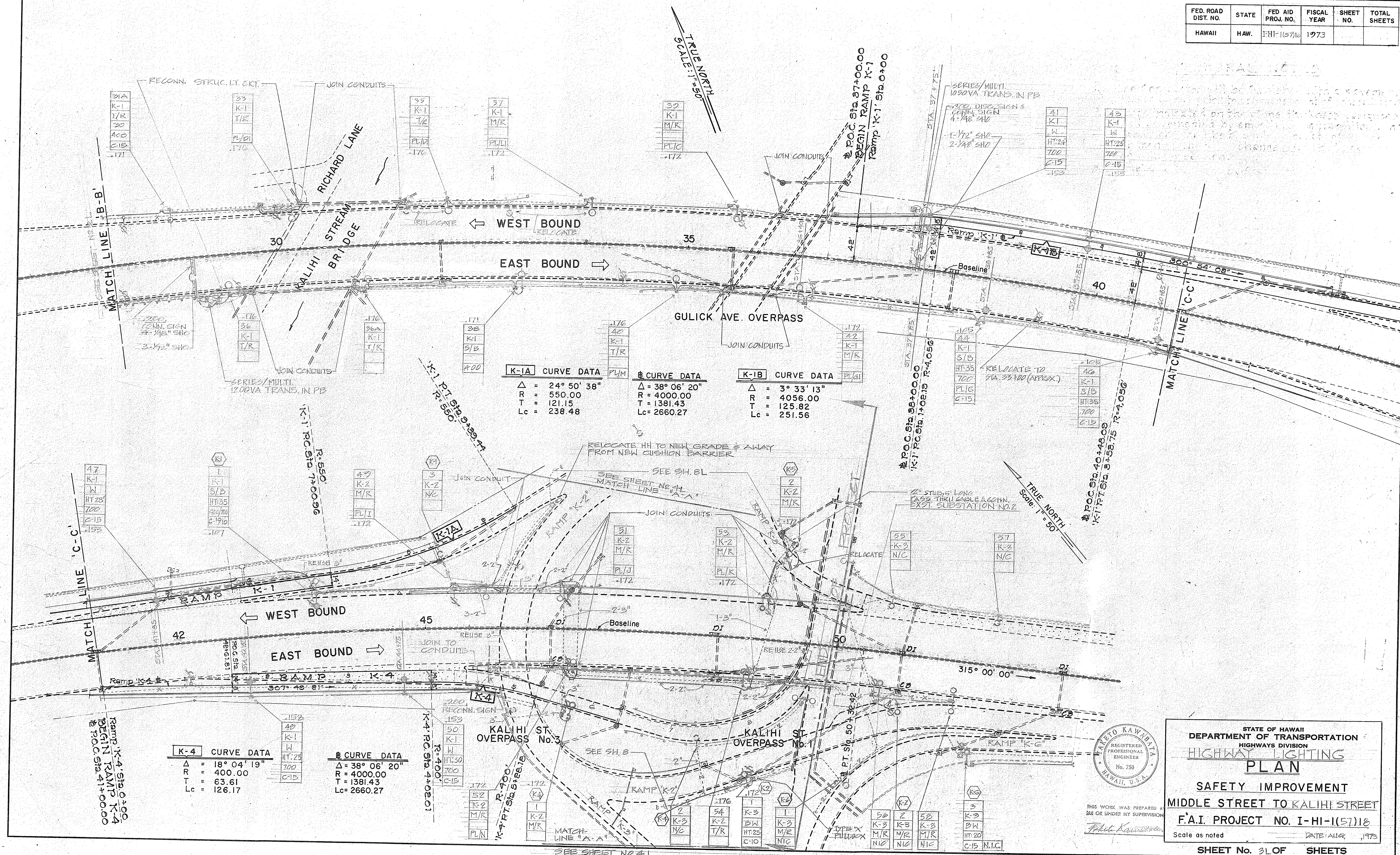
M-3B CURVE DATA
 $\Delta = 38^\circ 06' 20"$
 $R = 4000.00$
 $T = 1381.43$
 $L_c = 2660.27$



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
 SAFETY IMPROVEMENT
 MIDDLE STREET TO KALIHI STREET
 F.A.I. PROJECT NO. I-HI-1(57)18
 Scale as noted DATE: AUG. 1973
SHEET No. 21 OF 21 SHEETS

DESIGNED BY
 CHECKED BY
 NOTE BOOK
 QUANTITIES BY
 NO.

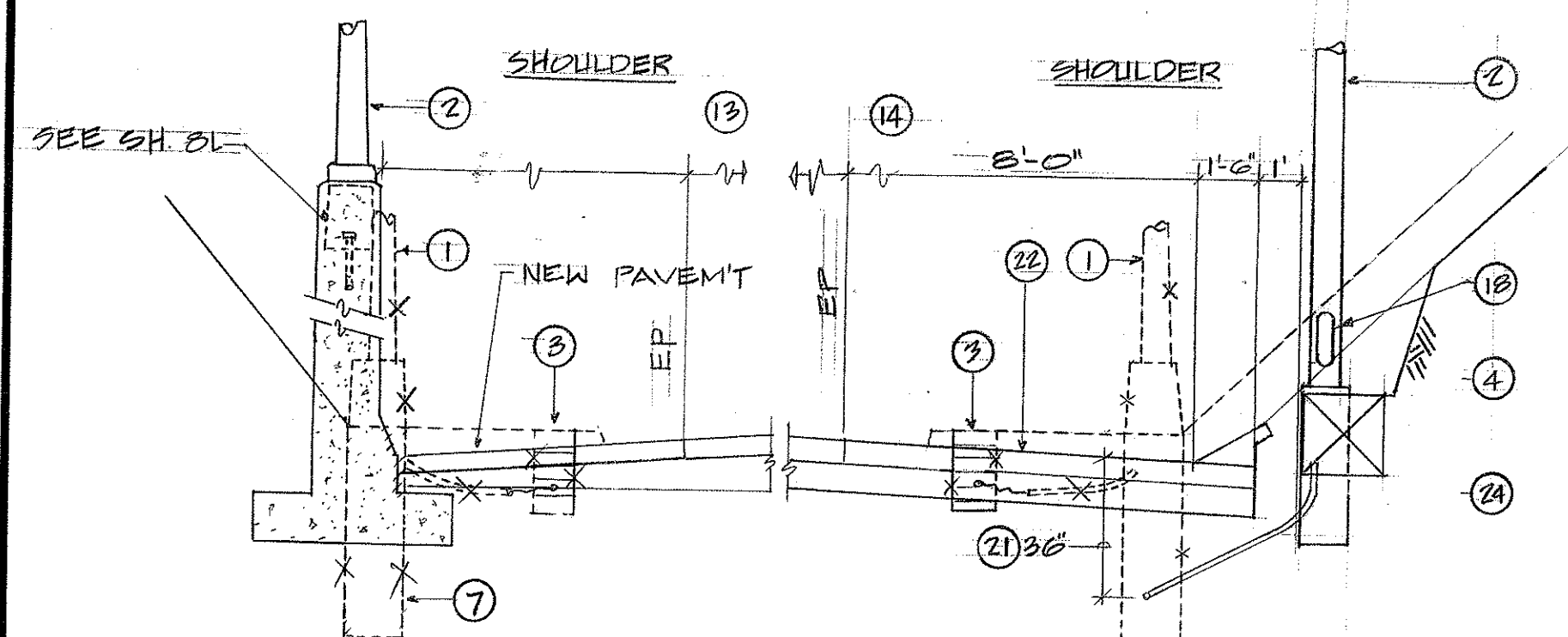
FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	FH-1(57)12	1973		



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HF(57)18	1973		

NOTES

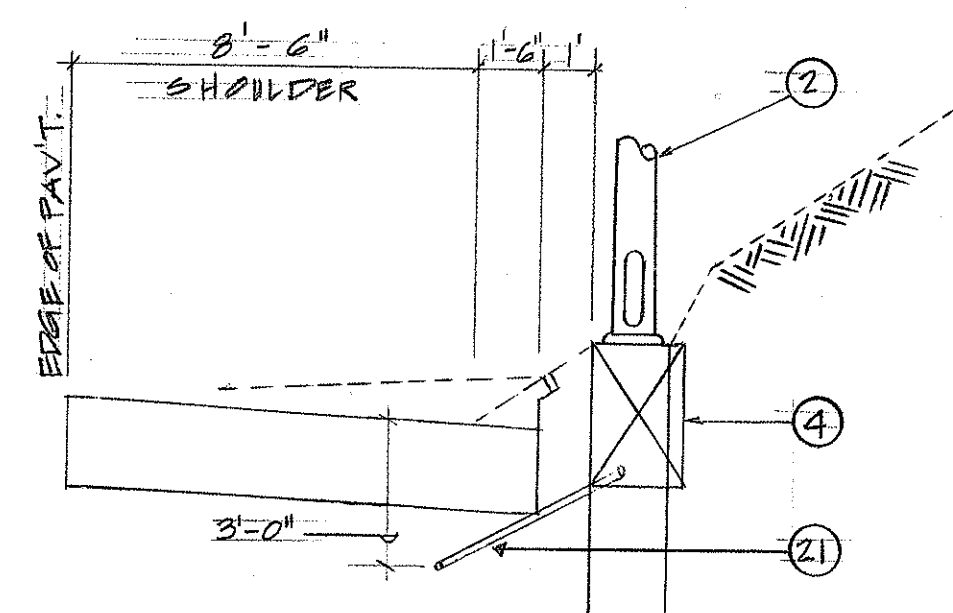
- ① EXST. HWY. LIGHT ASSY. REMOVE.
- ② NEW HWY. LIGHT ASSY.
- ③ EXST. DIRECT BURIED CABLE TRENCH LOCATION VARIES ALL OTHER AREA, CABLE ROUTE DEPTH UNKNOWN
- ④ NEW STATE HWY. TYPE "C" PULLBOX W/ 2" CONDUIT TO HWY. LIGHT POLE ASSY. BALLAST IN PB FOR SERIES CKT. SEAL CONDUIT OPENING W/ SEALING COMPOUND
- ⑤ NEW "CUT" AT HWY LIGHT ASSY.
- ⑥ RAIL
- ⑦ ALL ABANDONED HWY. LIGHT CONC. FOUNDATIONS TO BE REMOVED UNLESS OTHERWISE DIRECTED.
- ⑧ ABANDON DIRECT BURIED CABLE.
- ⑨ SERIES CKT. CABLES.
- ⑩ SERIES CKT. CABLES W/ EPOXY RESIN SPLICE TO EXST.
- ⑪ UNASSIGNED.
- ⑫ SERIES CKT. CABLE.
- ⑬ WEST BOUND H-1.
- ⑭ EAST BOUND H-1.
- ⑮ INSIDE FACE OF CURB.
- ⑯ UNASSIGNED.
- ⑰ FOR CKT. ASSIGNMT, SEE PLANS & DIAGRAMS.
- ⑱ POLE ACCESS HANDHOLE.
- ⑲ TRANS. BASE ACCESS COVER.
- ⑳ 2" PVC, SCH'D 40 CONDUIT.
- ㉑ 2" PVC, SCH'D 40 CONDUIT TO ADJACENT HWY. LTG.
- ㉒ SHOULDER PAVEMENT.
- ㉓ REFER TO HWY. LTG. PLAN.
- ㉔ FOR POLE FOUNDATION DET. SEE SH. II D.
- ㉕ EDGE OF PAVEMENT.



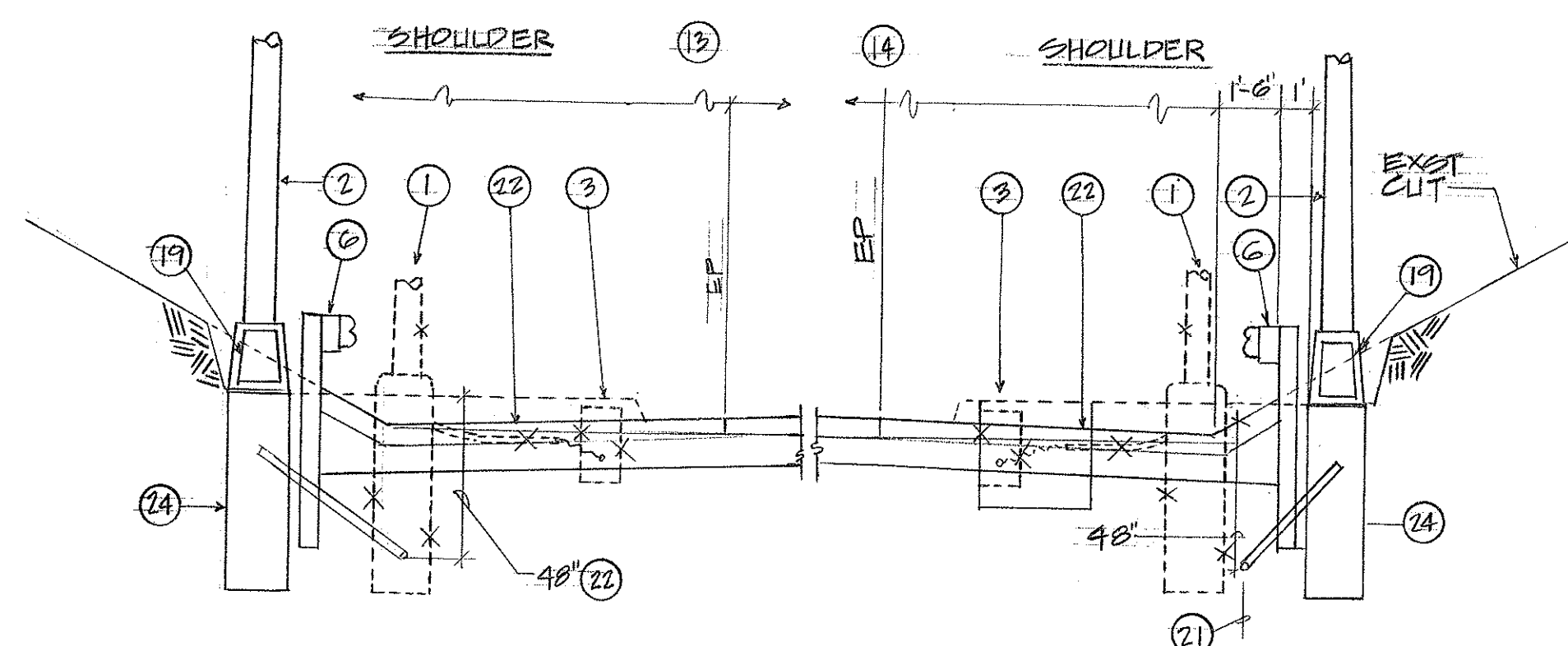
SECTION
SCALE: 1/4" = 1'-0"

STATIONS: 357+50 TO 17+00

STATIONS: 357+00 TO 11+00
EXCEPTION AT GUARD
RAIL STA. 359+20



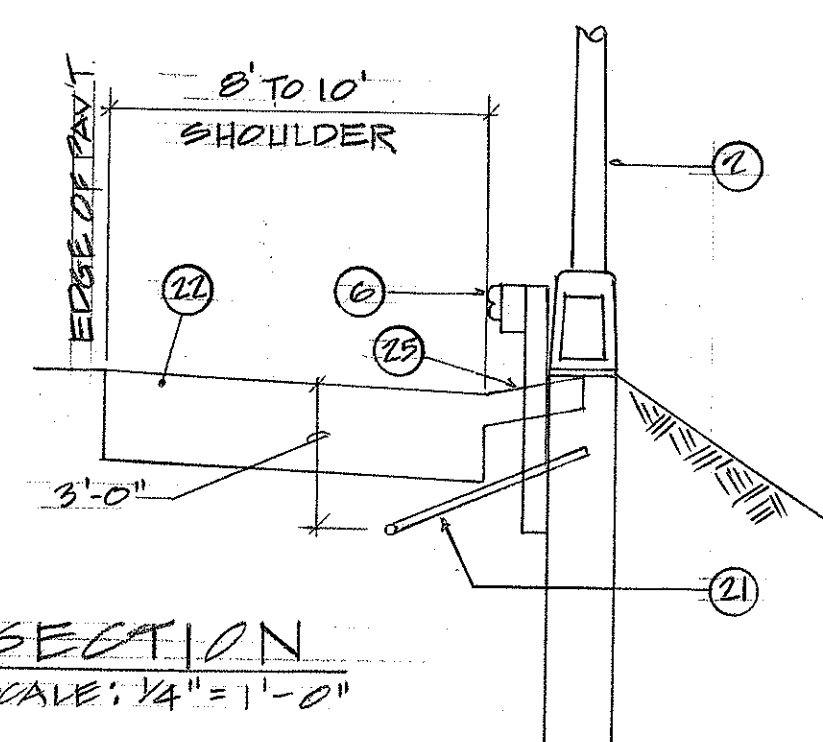
SECTION
SCALE: 1/4" = 1'-0"



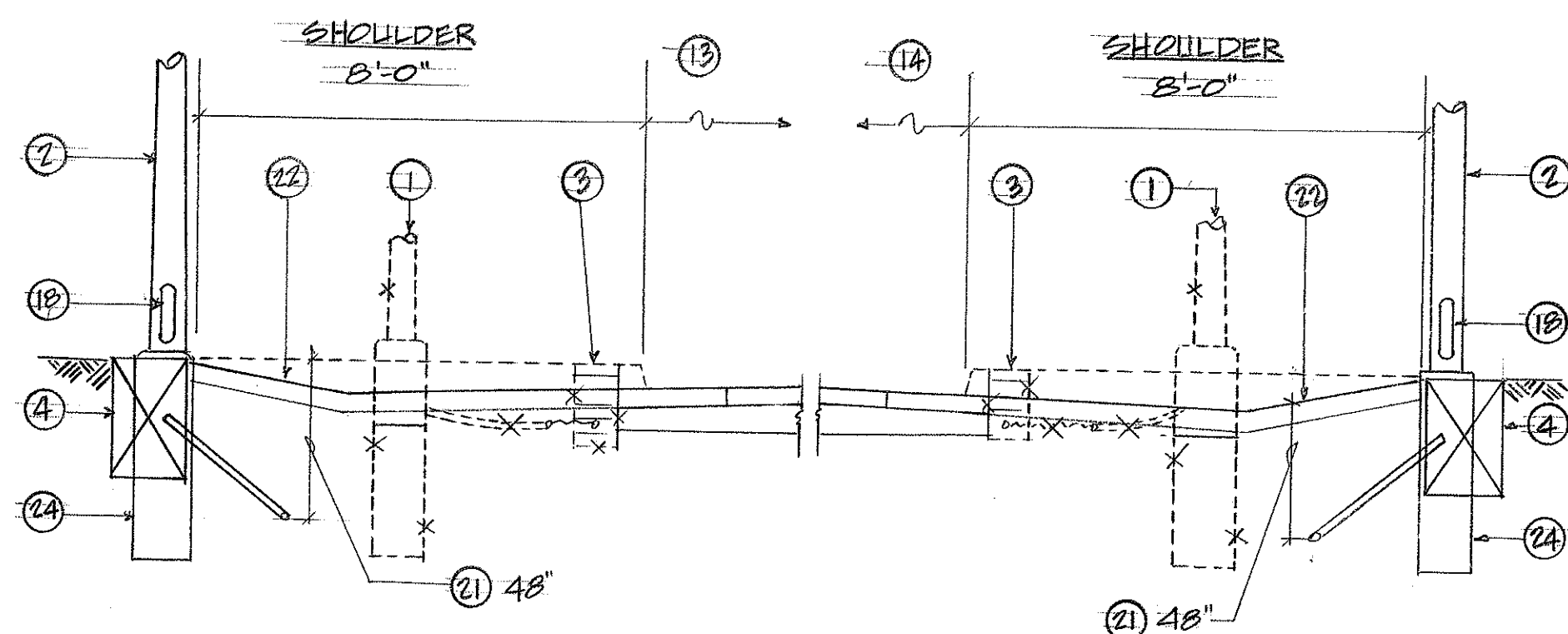
SECTION
SCALE: 1/4" = 1'-0"

STATIONS: 109+00 TO 114+00
145+00 TO 147+00

STATIONS: 359+20
109+00 TO 112+00
113+00 TO 127+00



SECTION
SCALE: 1/4" = 1'-0"



SECTION
SCALE: 1/4" = 1'-0"

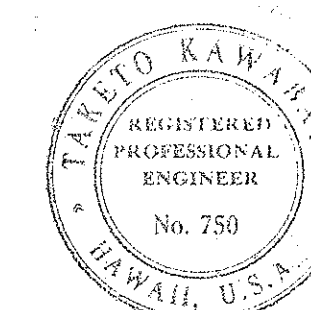
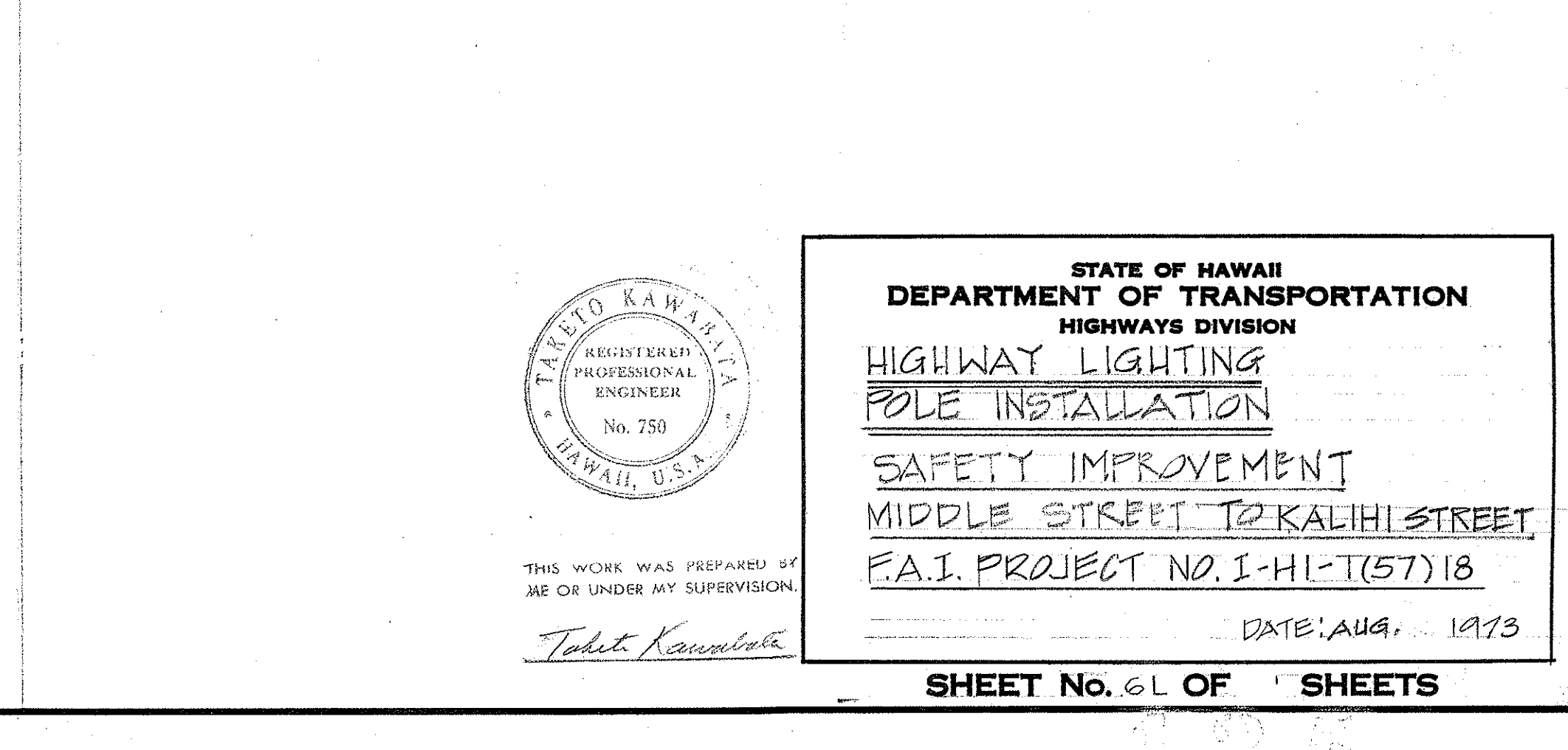
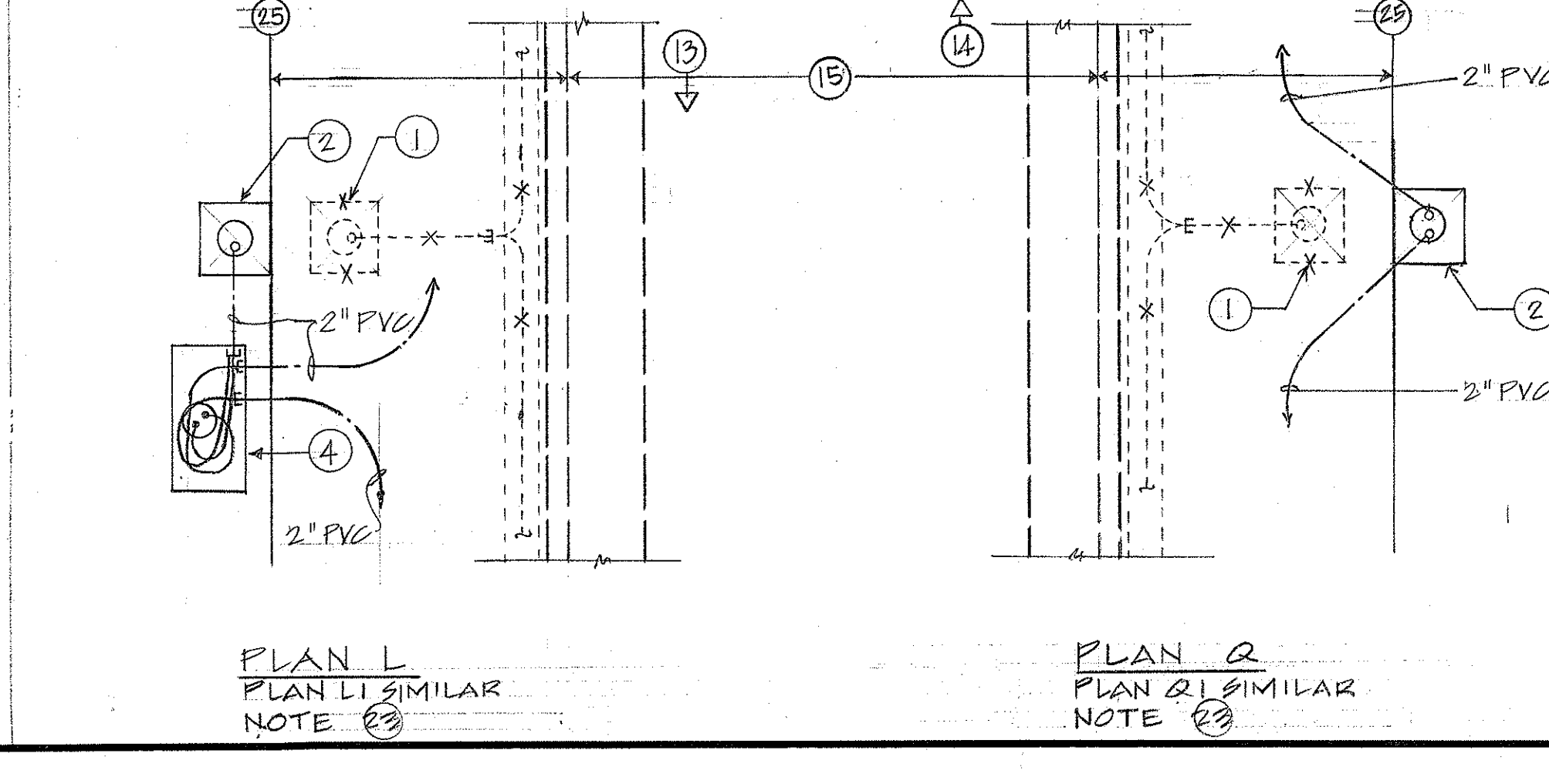
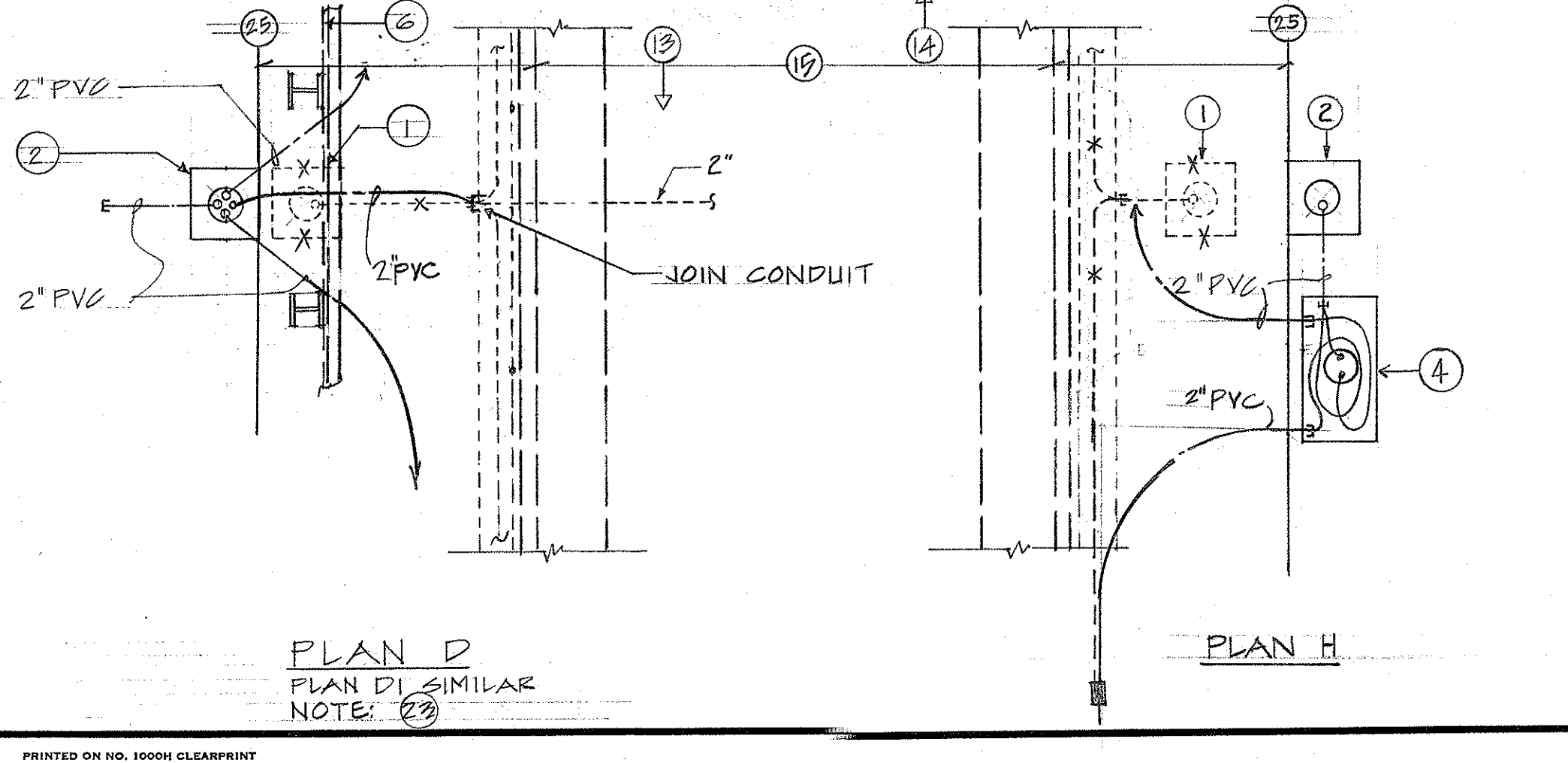
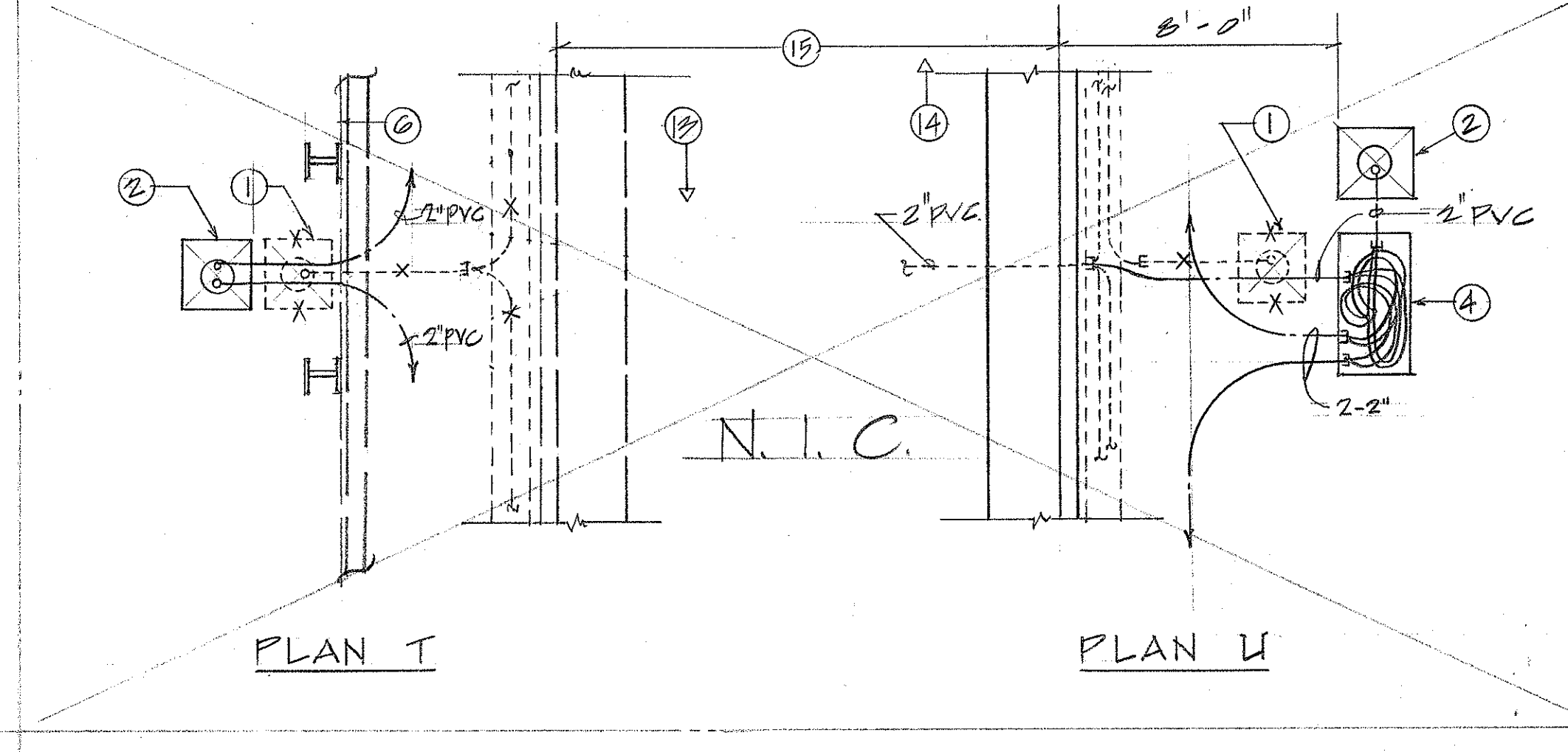
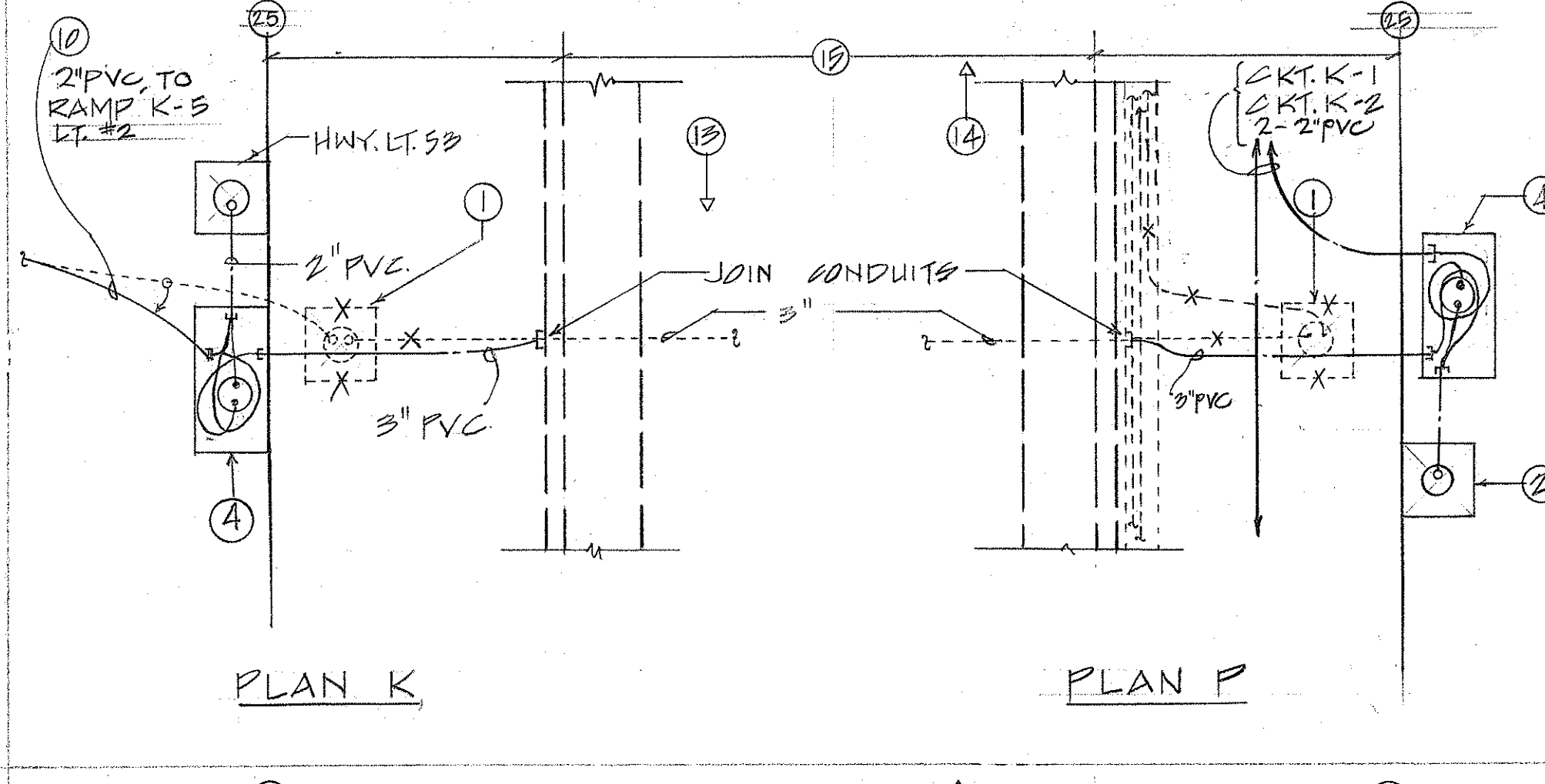
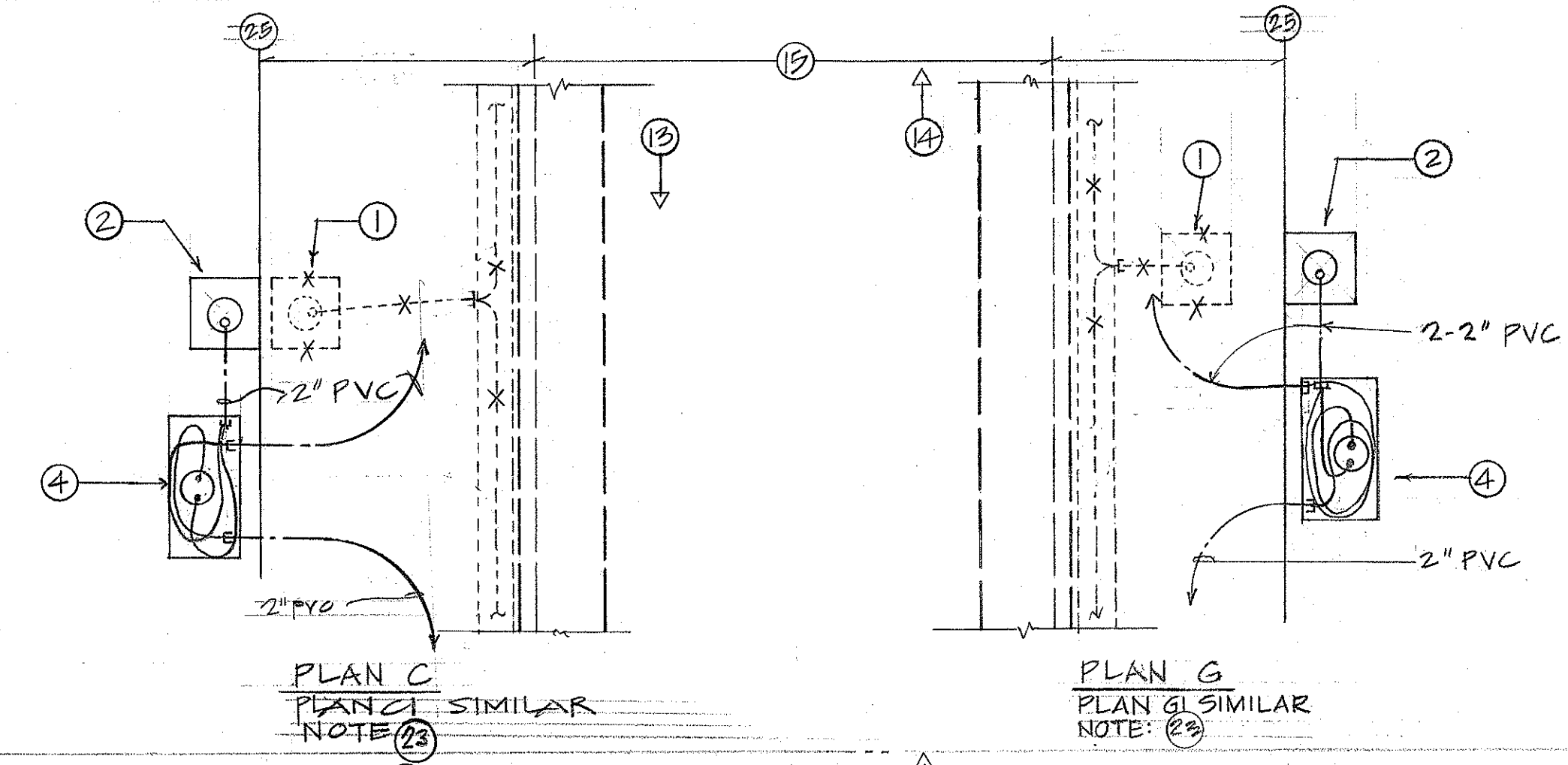
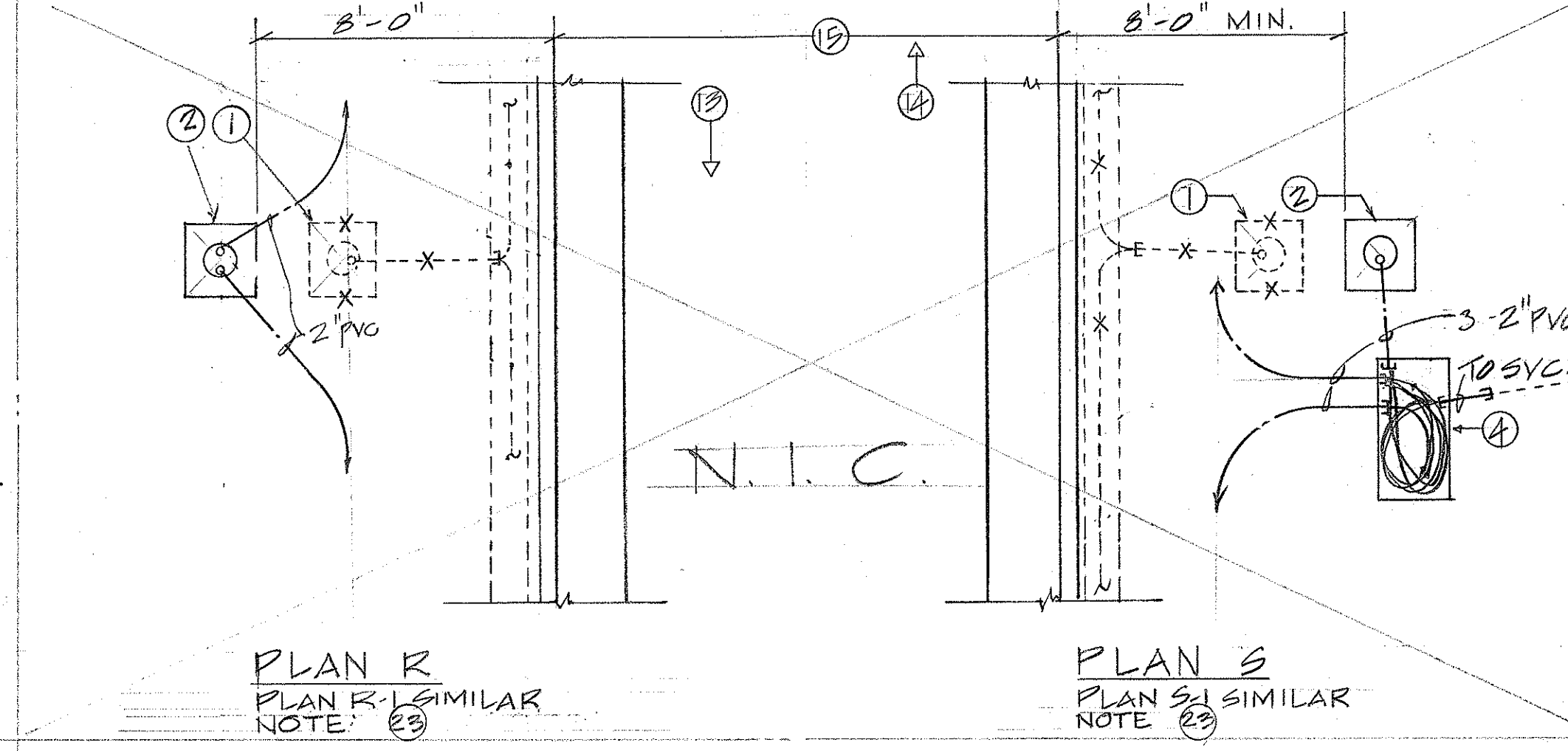
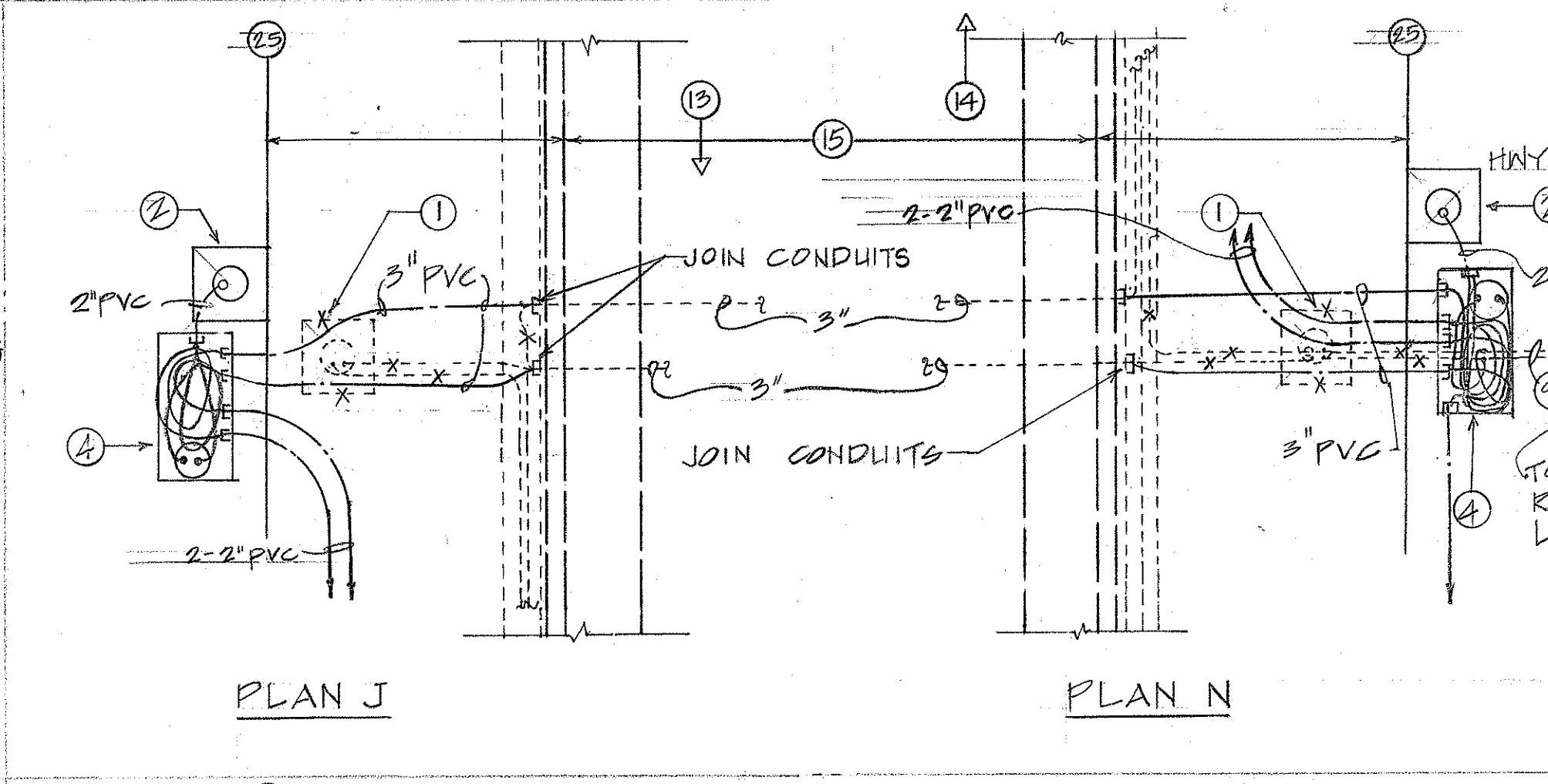
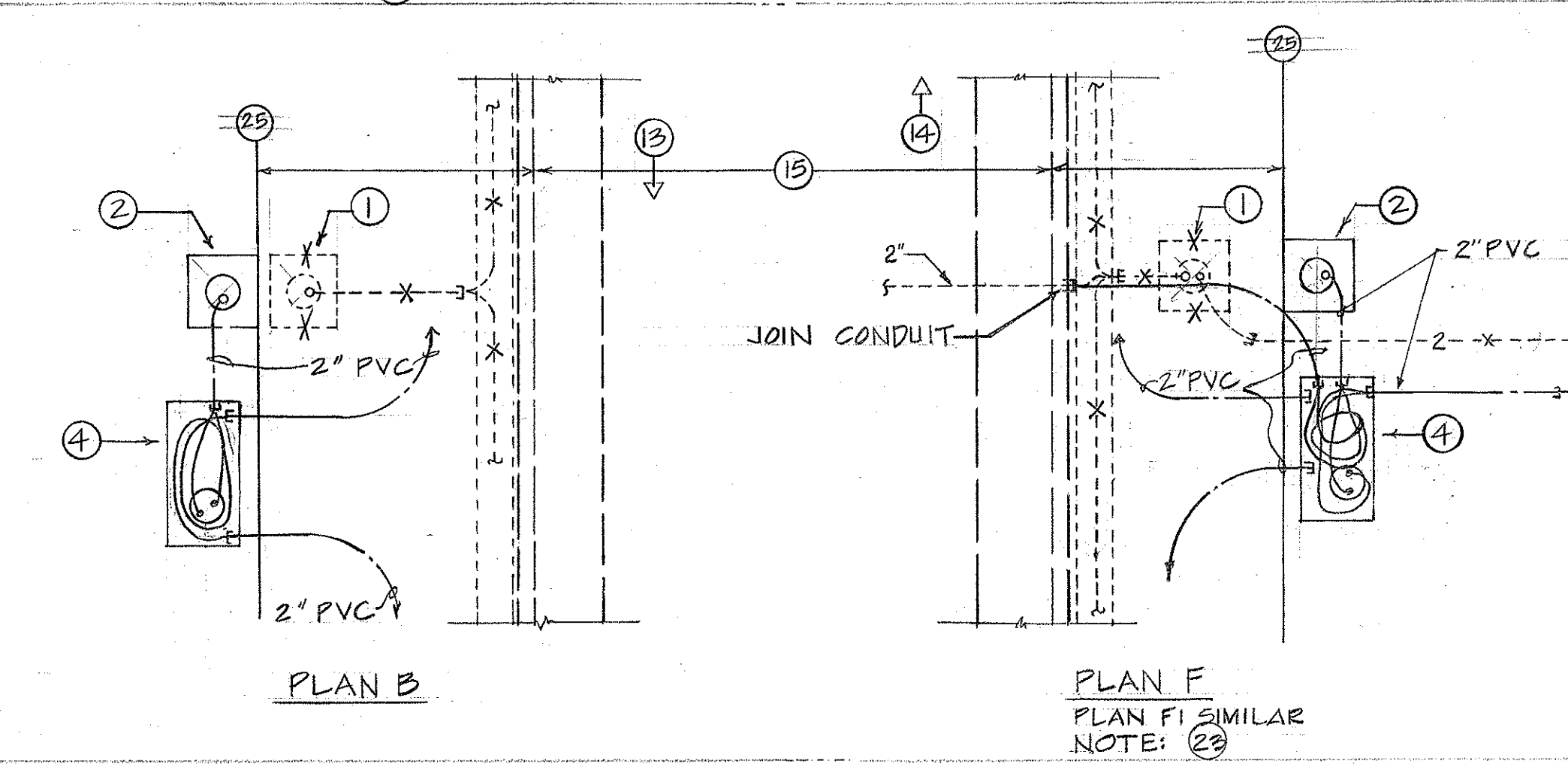
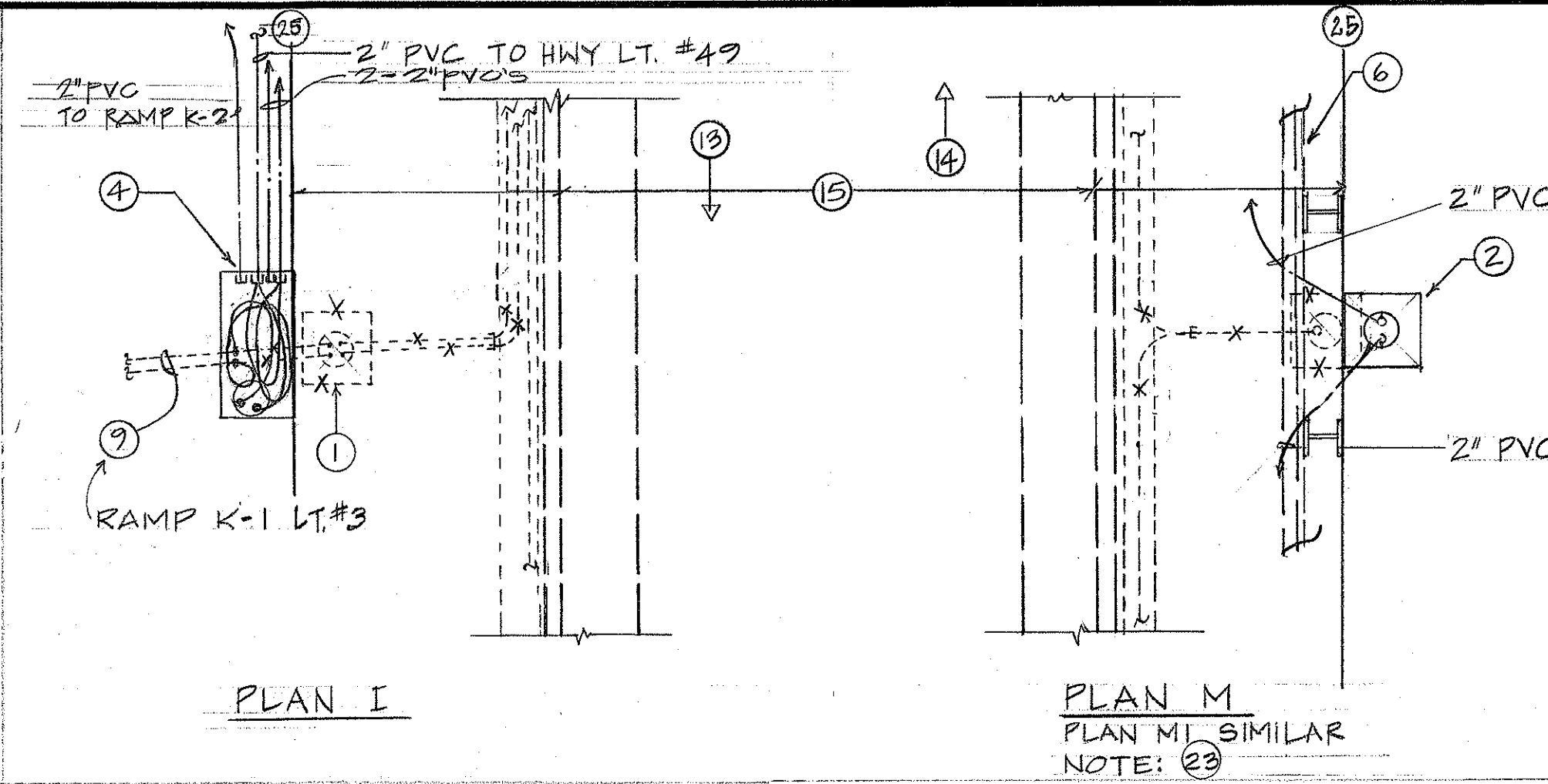
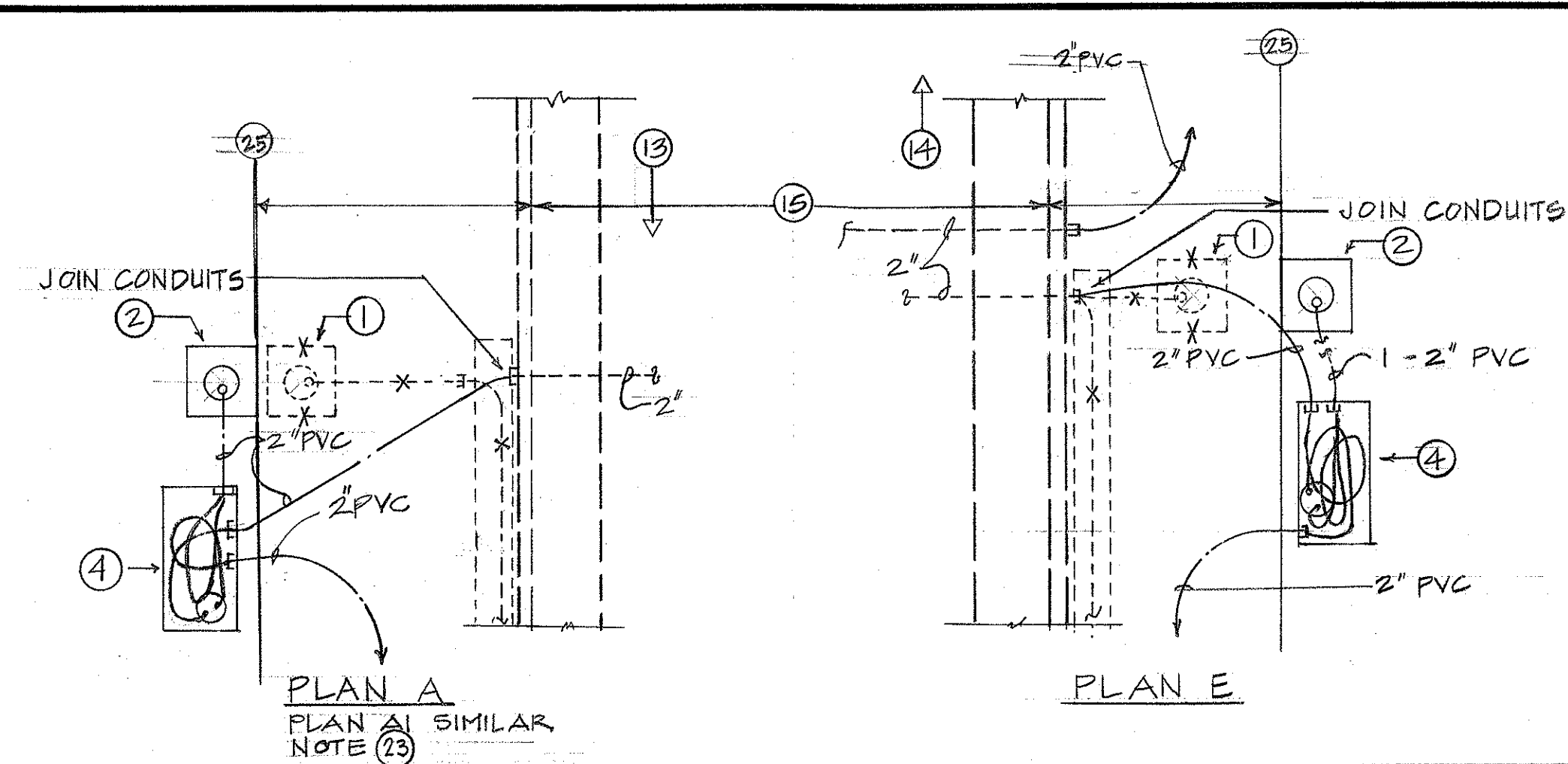
STATIONS: 33+00 TO 30+00
45+00 TO 44+60

STATIONS: 46+00 TO 44+60

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING
POLE INSTALLATION SECTIONS
SAFETY IMPROVEMENT
MIDDLE STREET TO KALIHI STREET
F.A.I. PROJECT NO. I-HF(57)18
SCALE: AS NOTED DATE: AUG. 1973
SHEET No. 5L OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(57)18	1973	61	171

NOTES:
1. ① INDICATES — NOTE #1, FOR NOTE REFERENCE, SEE SH #5L



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

TAMEO KAWAII

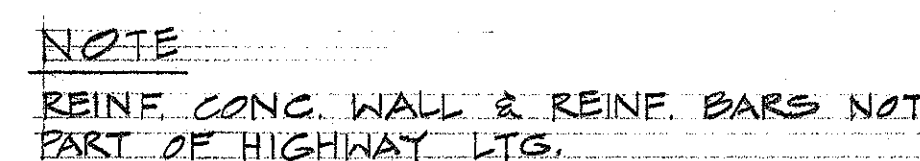
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING
POLE INSTALLATION
SAFETY IMPROVEMENT
MIDDLE STREET TO KALIHI STREET
F.A.I. PROJECT NO. 1-HI-1(57)18
DATE: AUG, 1973
SHEET No. 61 OF SHEETS

PLAN
DRAWN BY
CHECKED BY
NOTED BY
DATE

NOTES:

1. ① INDICATES - NOTE #1, FOR NOTE REFERENCES SEE SHEET 5L.
2. CENTER LINE OF LT. STD. 3'-0" MIN. FROM ANY JTS. & TO BE PLACED AT 1/2 OF EXIST. INTERM. RAIL POST. POSTS AT APPROX. STA. SHOWN ON HWY. LTG. PLAN.

1. ① INDICATES - NOTE #1, FOR NOTE REFERENCES SEE SHT. 5L.
2. CENTER LINE OF LT. STD. 3'-0" MIN. FROM ANY JTS. & TO BE PLACED AT $\frac{1}{2}$ OF EXIST. INTERM. RAIL POST. POSTS AT APPROX. STA. SHOWN ON HWY. LTG. PLAN.



SECTION N.I.C. ELEVATION
50. 1/2" = 1'-0" 50. 1/2" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING
POLE ASSEMBLY ON STRUCTURES
SAFETY IMPROVEMENT
MIDDLE STREET TO KALIHI STREET
FAI PROJECT NO. J- HT-1(57)1B
SCALE: NO SCALE DATE: AUG. 1973

SHEET No. 7L OF SHEETS