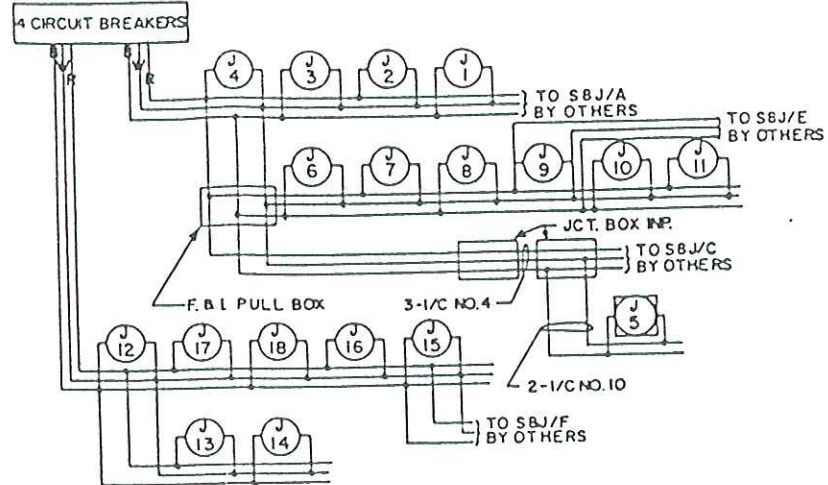


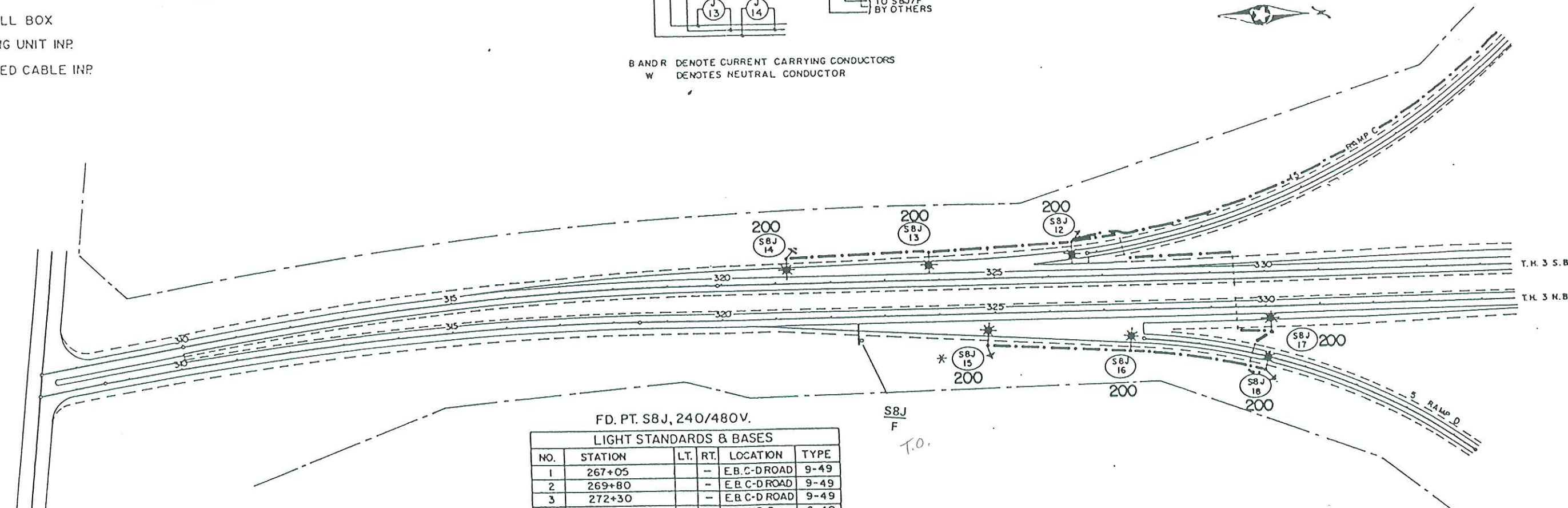
LEGEND

- SOURCE OF POWER (PAD MOUNTED)
- ← F & I. PERMANENT GROUND ROD (25 OHMS OR LESS)
- RIGID STEEL CONDUIT INP.
- * 50' LIGHTING UNIT-DOUBLE MAST ARM- 400 WATT HIGH PRESSURE SODIUM
- * 40' LIGHTING UNIT 200 WATT HIGH PRESSURE SODIUM
- * 49' LIGHTING UNIT 400 WATT HIGH PRESSURE SODIUM
- DIRECT BURIED POWER CABLE 3 CONDUCTOR NO.4 (A.W.G.) ARMORED CABLE SEE SPEC. NO. 3804 OR 3805.
- UNDERPASS LIGHTING UNIT, 200 WATT HIGH PRESSURE SODIUM
- OVERHEAD ILLUMINATED SIGN BY OTHERS
- * F. & I. ONE ADDITIONAL 2" CONDUIT ELBOW
- F. & I. PULL BOX
- ☼ LIGHTING UNIT INP.
- ARMORED CABLE INP.

FD. PT. S8J, 240/480V.



B AND R DENOTE CURRENT CARRYING CONDUCTORS
W DENOTES NEUTRAL CONDUCTOR



FD. PT. S8J, 240/480V.

LIGHT STANDARDS & BASES

NO.	STATION	LT.	RT.	LOCATION	TYPE
1	267+05			E.B.C-DROAD	9-49
2	269+80			E.B.C-DROAD	9-49
3	272+30			E.B.C-DROAD	9-49
4	2+20			RAMP C	6-40
5	275+30			E.B.C-DROAD	L
6	277+10				9-49
7	279+60				9-49
8	282+20			E.B.C-DROAD	9-49
9	S.B. 338+40			T.H. 3	9-40
10	2+00			LOOP C	6-40
11	S.B. 335+80			T.H. 3	9-40
12	S.B. 326+40				
13	S.B. 323+80				
14	S.B. 321+20				
15	N.B. 324+90				
16	N.B. 327+50				
17	N.B. 330+10			T.H. 3	9-40
18	2+30			RAMP D	6-40

(1) UNDERPASS UNIT, 200 WATT HIGH PRESSURE SODIUM
LOCATE 40' POLES 9' BEHIND EDGE OF SHOULDER OR AS DIRECTED BY THE ENGINEER
LOCATE 50' POLES 11' BEHIND EDGE OF SHOULDER OR AS DIRECTED BY THE ENGINEER.

SHEET TOTAL
7 - 200 WATT HIGH PRESSURE SODIUM LIGHTING UNITS

CERTIFIED COPY

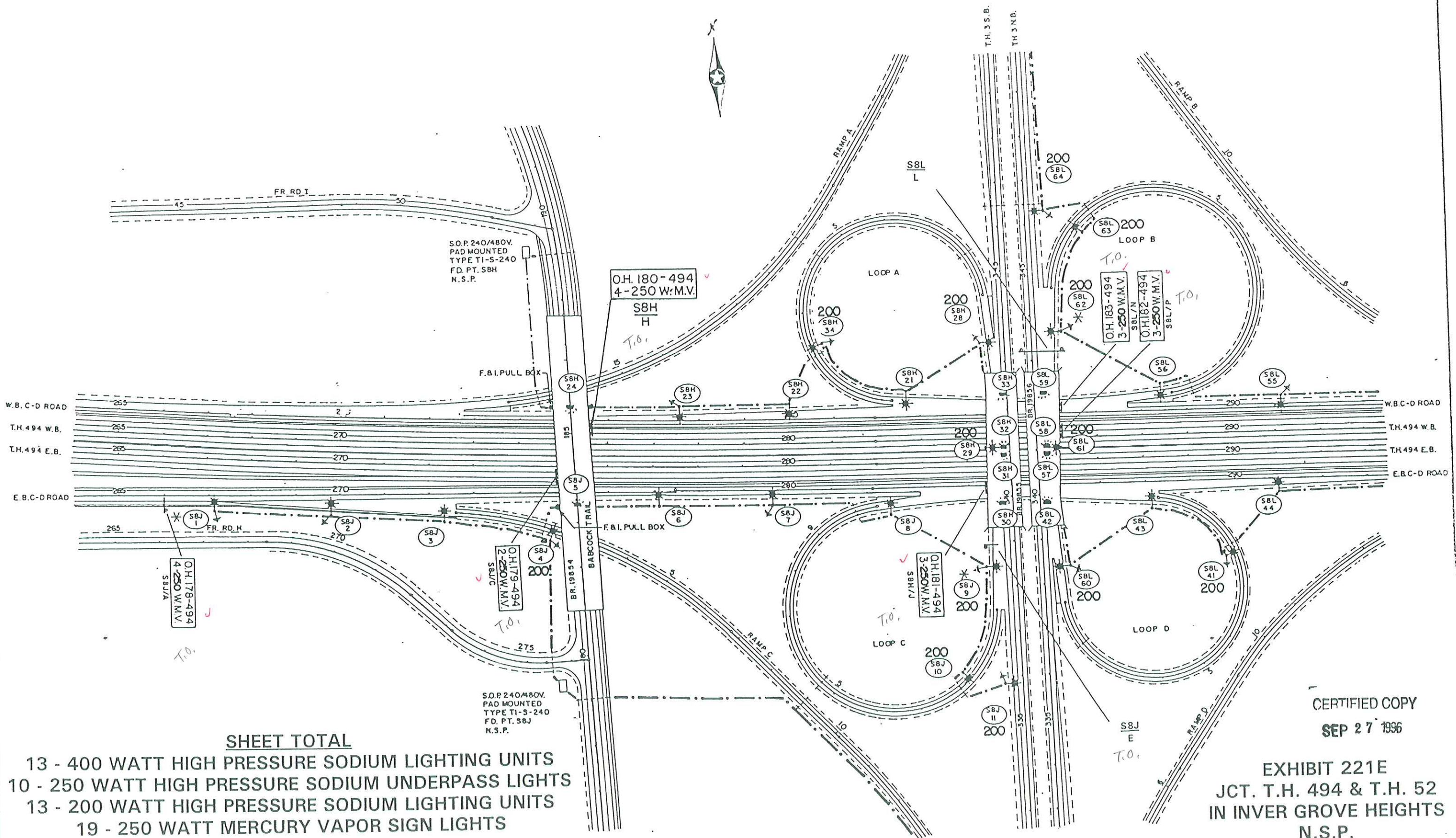
SEP 27 1986

EXHIBIT 221 E
T.H. 52 S OF T.H. 494
IN INVER GROVE HEIGHTS
N.S.P.

FD. PT. S8J

State Proj. No. 1985-85(T.H.494=393)

Sheet No. 1 of 5 Sheet



SHEET TOTAL

- 13 - 400 WATT HIGH PRESSURE SODIUM LIGHTING UNITS
- 10 - 250 WATT HIGH PRESSURE SODIUM UNDERPASS LIGHTS
- 13 - 200 WATT HIGH PRESSURE SODIUM LIGHTING UNITS
- 19 - 250 WATT MERCURY VAPOR SIGN LIGHTS

CERTIFIED COPY
SEP 27 1986

EXHIBIT 221E
JCT. T.H. 494 & T.H. 52
IN INVER GROVE HEIGHTS
N.S.P.

FD. PT. S8J, S8H