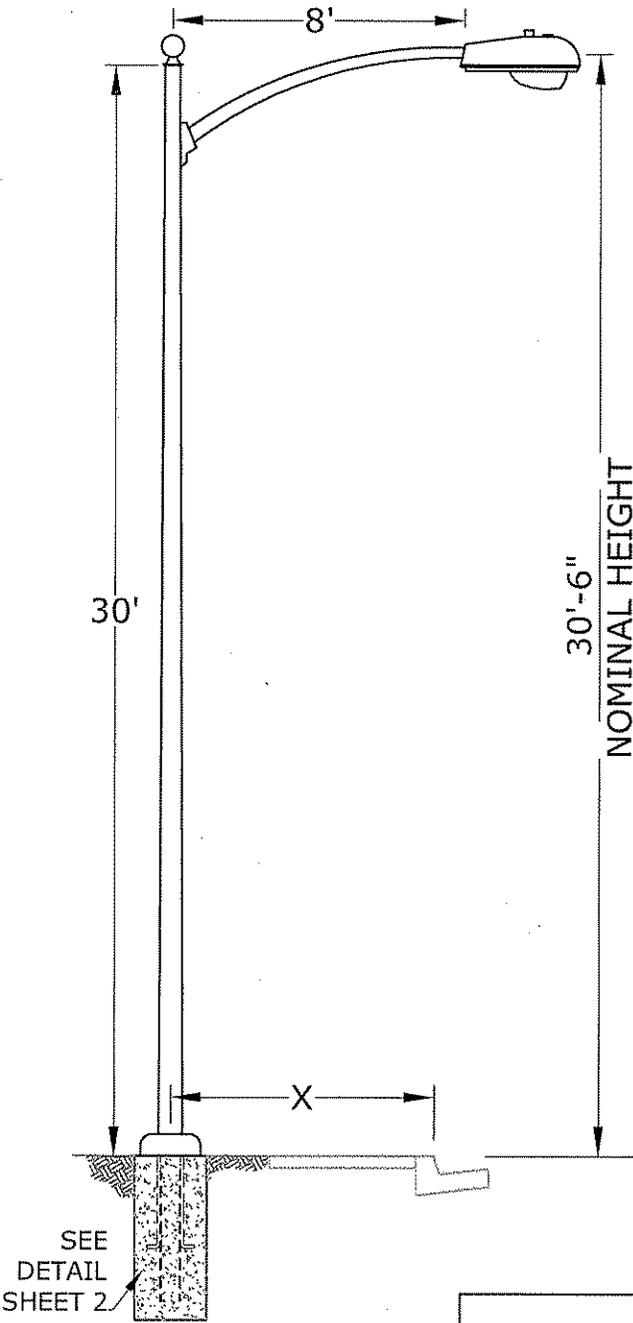


GENERAL NOTES:



1. STEEL POLES SHALL COMPLY WITH REQUIREMENTS OF "EEI-NEMA STANDARD FOR STEEL LIGHTING POLES" EEI PUBL. TDJ-135.
2. POLES AND BRACKETS SHALL BE GALVANIZED STEEL.
3. POLES SHALL BE FURNISHED WITH HANDHOLE AND COVER.
4. MAST ARM SHALL ACCOMODATE 2" SLIPFITTER LUMINAIRE.
5. POLES SHALL HAVE 1/2" N.C. NUT WELDED INSIDE POLE OPPOSITE HANDHOLE FOR GROUNDING TERMINAL.
6. POLE SHALL BE FURNISHED WITH BASE CAP, POLE CAP, ARM AND 4 ANCHOR BOLTS AND 8 NUTS AND WASHERS.
7. CONDUITS FOR UNDERGROUND CIRCUITS SHALL BE RIGID PVC, ELECTRICAL PLASTIC CONDUIT (EPC), SCHEDULE 40, 1 1/2" MIN. OR APPROVED EQUAL WITH MINIMUM COVER OF 1/8".
8. JUNCTION BOXES SHALL BE STATE NO. 3 1/2 WITH BOLT DOWN COVER MARKED "STREET LIGHTING". BOX'S BOTTOMS SHALL BE GROUTED, INCLUDING 1/2" WEEP HOLES.
9. A.J.B. IS REQUIRED AT EACH ELECTROLIER; WHEN MORE THAN ONE BEND IS NEEDED TO REACH ELECTROLIER, AT ANY PG & E SERVICE POINT AND WHERE SHOWN IN IMPROVEMENT PLANS.
10. STREET LIGHT CONDUCTORS SHALL BE COPPER, MIN. NO. 8AWG, TYPE THHN, OR AS SHOWN ON PLANS.
11. THE LOCATION, SIZE AND TYPE OF LUMINARIES SHALL BE AS SHOWN ON APPROVED PLANS OR AS DIRECTED BY THE CITY ENGINEER.
12. THE SERVICE POINT AND VOLTAGE SHALL BE AS SHOWN ON PLANS OR AS DESIGNATED BY PG & E.
13. ALL 70 & 100 WATT ELECTROLIER SERVICES SHALL BE 120 VOLTS UNLESS OTHERWISE APPROVED BY THE BY THE CITY ENGINEER.
14. ALL ELECTROLIERS ARE TO BE INSTALLED COMPLETE IN PLACE, SERVICE CONNECTED AND OPERABLE.
15. POLE SHALL BE ERECTED AND PLUMBED PRIOR TO POURING CONCRETE BASE CAP.
16. TOP OF CONCRETE CAP TO BE FLUSH WITH WALK, EXCEPT CONCRETE CAP SHALL BE 3" ABOVE ADJACENT GROUND IN UNPAVED AREAS.
17. RIGID METAL CONDUIT BENDS TO BE INSTALLED IN CONCRETE BASE OF ELECTROLIER TO NEAREST JUNCTION BOX.
18. RIGID METAL CONDUIT RUN WITH A MINIMUM COVER OF 24" REQUIRED IN PAVEMENT.

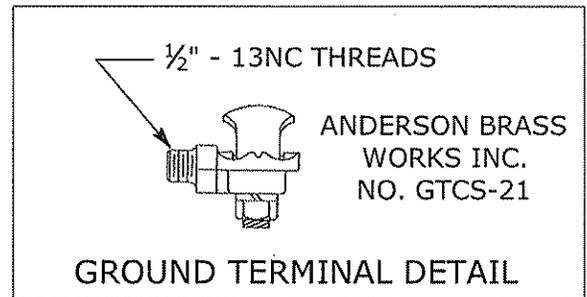
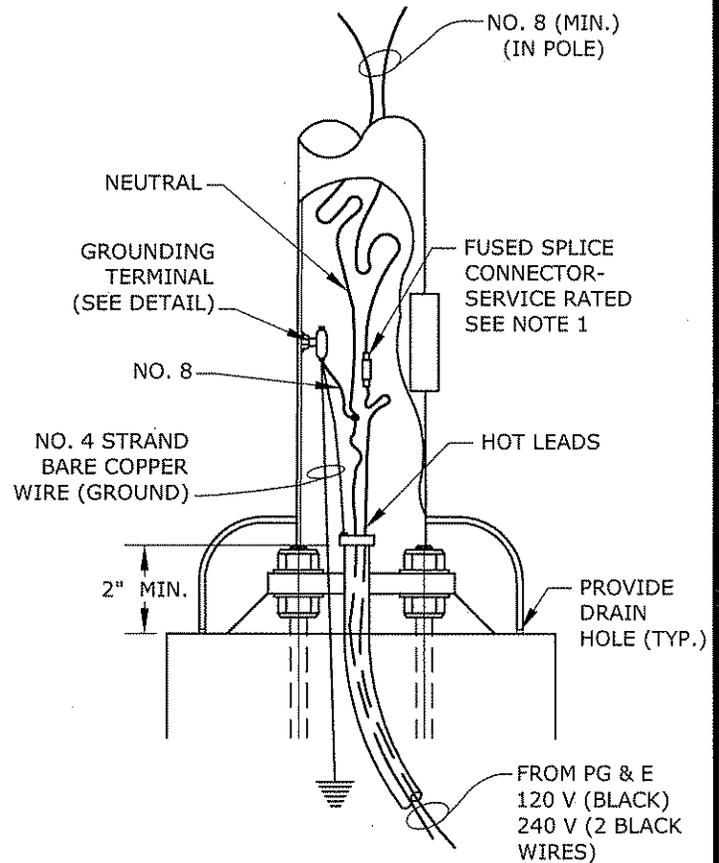
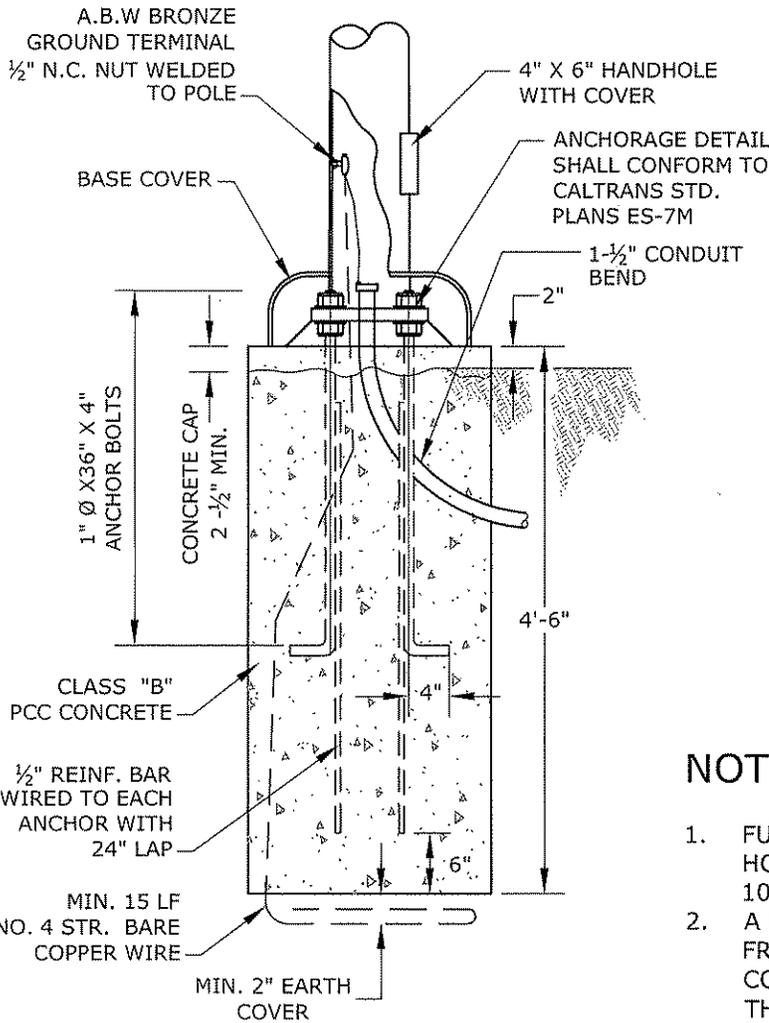
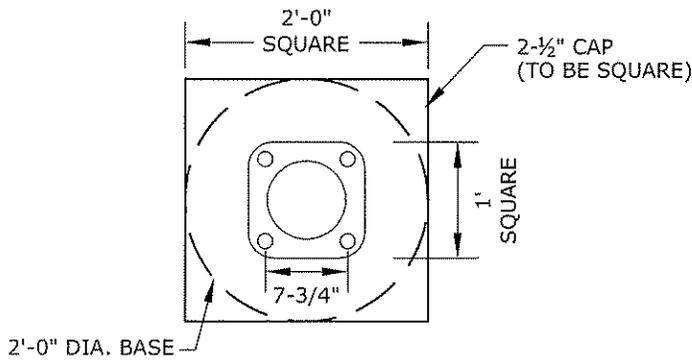
X= 7.5 LF WITH 4 LF
CONTIGUOUS SIDEWALK

X= 2.0 LF SEPARATED WALK
AND IN COMMERCIAL AND
INDUSTRIAL AREAS.

POLE SCHEDULE						
MANUFACTURER	TYPE	GAUGE	CAT. NO.	NOMINAL SHAFT SIZE	APPROX. MFG. HT.	BRACKET LENGTH
PUMCO	ROUND	11	FB130-BI-8G	8"x3.8"x30'-0"	30'-6"	8'-0"
AMERON	ROUND	10	A308-2	"	"	"
VALMONT	ROUND	11	DS-30-80 A300-8	"	"	"

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION			STANDARD DRAWING NO. 442
STREET LIGHTING STANDARD			
REVISION	DATE	APPROVED BY: PUBLIC WORKS DIRECTOR / CITY ENGINEER RCE No. 40283	DATE : 6/15/10
①	1979		SHEET 1 OF 4
②	2001		
③	2010	③	



NOTES:

1. FUSE ALL HOT LEADS IN POLE. USE SINGLE FUSE HOLDER WITH 10 AMP FOR 120 V & DOUBLE WITH 10 AMPS FUSES OF 240 V.
2. A NO. 8 BARE BOND WIRE IS TO BE CONNECTED FROM THE GROUNDING BUSHING OF ONE CONDUIT END TO THE GROUNDING BUSHING OF THE OTHER CONDUIT END IN EACH PULL BOX IF METAL RIGID CONDUIT IS USED.
3. A NO. 8 NEUTRAL BONDING WIRE SHALL BE CONNECTED TO THE GROUNDING TERMINAL.
4. ASTM A307 ANCHOR BOLTS ARE REQUIRED FOR EACH POLE. PROVIDE A HEX NUT, LEVELING NUT AND 2 WASHERS FOR EACH BOLT.

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION

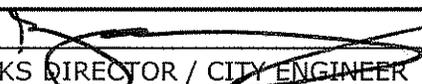
STANDARD DRAWING

STREET LIGHTING
STANDARD

NO. 442

REVISION	DATE
1	1979
2	2001
3	2010

DATE : 6/15/10

APPROVED BY: 
PUBLIC WORKS DIRECTOR / CITY ENGINEER RCE No. 40283

SHEET 2 OF 4

HIGH PRESSURE SODIUM VAPOR LUMINAIRES

LAMP (WATTS)	VOLTS	BALLAST TYPE	HEAD CONFIGURATION	
			DOUBLE DOOR	SINGLE DOOR
70	120 / 240	AUTO-LAG	DOOR MOUNTED BALLAST	SWING DOWN BALLAST
100	120 / 240	AUTO-LAG	DOOR MOUNTED BALLAST	SWING DOWN BALLAST
150 (55V)	120 / 240	AUTO-LAG	DOOR MOUNTED BALLAST	SWING DOWN BALLAST
200	120 / 240	AUTO-REGULATED	DOOR MOUNTED BALLAST	SWING DOWN BALLAST
250	QUAD	AUTO-REGULATED	DOOR MOUNTED BALLAST	SWING DOWN BALLAST
400	QUAD	AUTO-REGULATED	DOOR MOUNTED BALLAST	SWING DOWN BALLAST

1. ALL LUMINAIRES TO HAVE TWIST LOCK RECEPTACLE FOR PHOTO ELECTRIC CELL.
2. ALL LUMINAIRES INSTALLED IN A SIGNALIZED INTERSECTION MUST BE CUT OFF TYPE.
3. 120 / 240 BALLAST CAPABLE.
4. SUBMIT MANUFACTURER'S SPECIFICATION TO CITY FOR APPROVAL PRIOR TO ORDERING.
5. ALL ROADWAY LUMINAIRES SHALL BE TYPE III DISTRIBUTION.
6. LIGHT EMIT DIODE (LED), INDUCTION, METAL HALIDE (MH), HIGH INTENSITY DISCHARGE (HID), AND OTHER HIGH EFFICIENCY STREET LIGHT MAY BE USED IN LIEU OF HIGH PRESSURE SODIUM WITH CITY ENGINEER'S APPROVAL.

PHOTOELCTRIC CONTROLS FOR HPS LUMINAIRES

MANUFACTURER	CATALOGUE NO.	VOLTAGE	MAX. LOAD
GENERAL ELECTRIC	C402G660	105-285	1800 VOLT AMPS
FISHER-PRICE	6690 C SS7	105-285	1800 VOLT AMPS

CITY OF MILPITAS, ENGINEERING DIVISION

STANDARD DRAWING

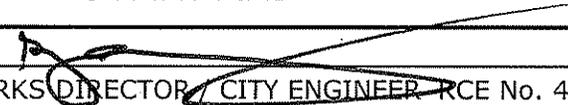
REVISION	DATE
①	1981
②	2001
③	2010

STREET LIGHTING STANDARD

NO. 442

DATE : 6/15/10

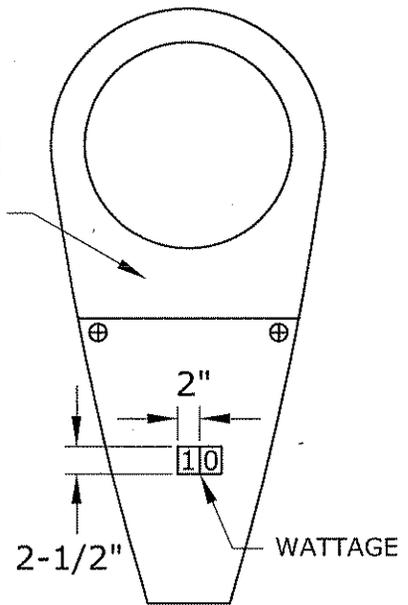
③

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SHEET 3 OF 4

TWO DOOR
FIXTURE WITH
DOOR MOUNTED
BALLAST

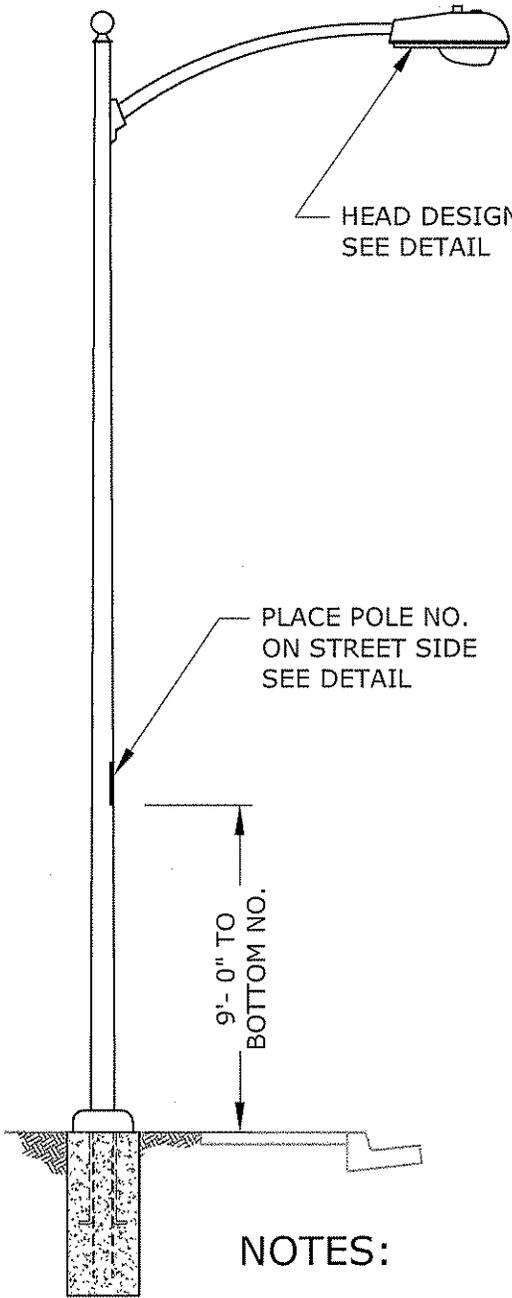
HEAD DESIGNATION
SEE DETAIL



TYPICAL HEAD DESIGNATION

PLACE POLE NO.
ON STREET SIDE
SEE DETAIL

9'-0" TO
BOTTOM NO.



TYPICAL POLE NO.

NOTES:

1. MATERIALS - 3M "SCOTCHLITE" NO. 5290 WHITE WITH HIGH TACK ADHESIVE AND NO. 705 BLACK CHARACTERS OR APPROVED EQUAL.
2. CHARACTERS - BOLD BLOCK STYLE.
3. POLE NO. TO BE DETERMINED BY THE CITY.
4. WATTAGE - ABBREVIATION OF WATTAGE RATING "7" = 70W, "10" = 100W, ETC.

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION

STANDARD DRAWING

REVISION

DATE

STREET LIGHTING
STANDARD

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1

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2

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SHEET 4 OF 4