

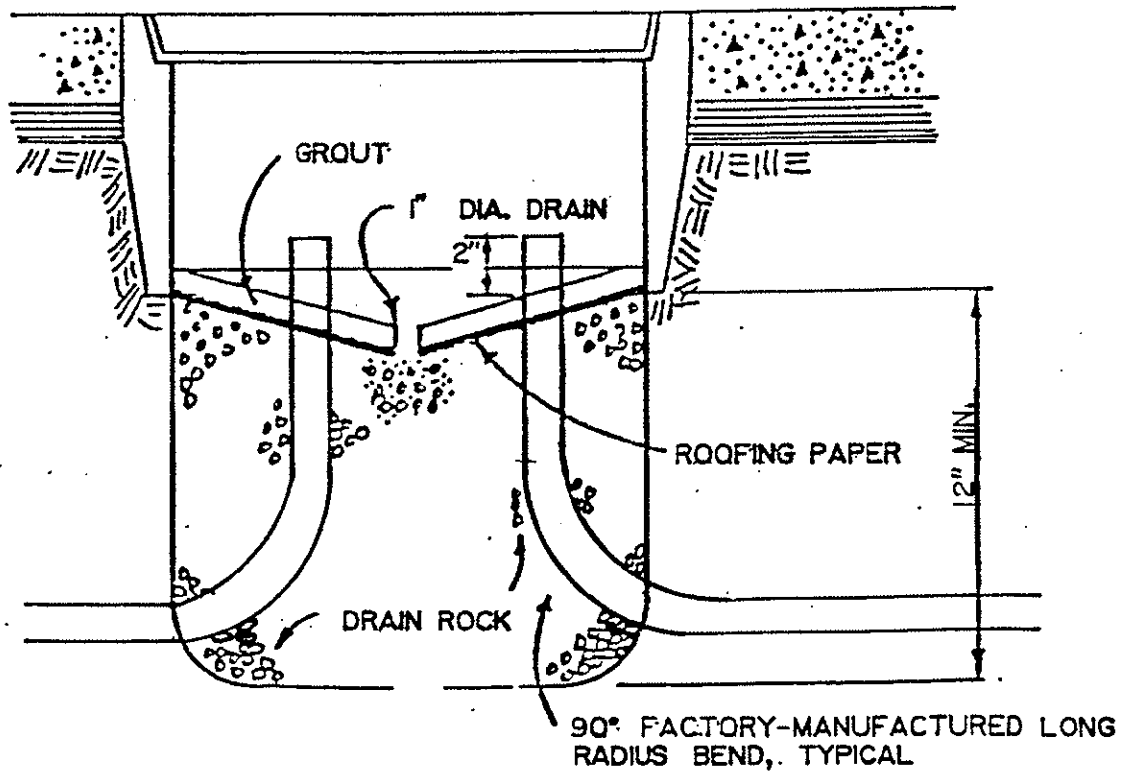


City of Rohnert Park

Street Lighting Detail Drawings

STREET LIGHTING DETAIL DRAWINGS

<u>Standard Number</u>	<u>Title</u>	<u>Date Approved</u>
600 Series		
601	Pull Box Installation	2006
602	Street Light Standard Wiring Diagram	2006
603A	Electrical Service Detail – Underground Service	2006
603B	Electrical Service Detail – Overhead Service	2006
604	Lateral Light Distribution	2006
Poles		
610	Street Lights – Major Streets	2006
611	Street Lights – Collector Streets	2006
612	Street Lights – Minor Streets	2006
613	Reserved	2006
614	Decorative Street Lights Downtown Area	2006
615	Decorative Street Lights Residential Streets – 1	2006
616	Reserved	2006
617	Decorative Street Lights Residential Streets – 2	2006
618	Decorative Street Lights City Center Area	2006
Bases and Trenching		
620A	Concrete Footing Detail – Standard Street Light Pole	2006
620B	Concrete Footing Detail – Decorative Street Light Pole	2006
620C	Concrete Footing Detail – Cobra Style Street Light Pole	2023
621	Street Light Base Leveling Detail	2006
625	Joint Trench Layout for Street Light Conduit	2006

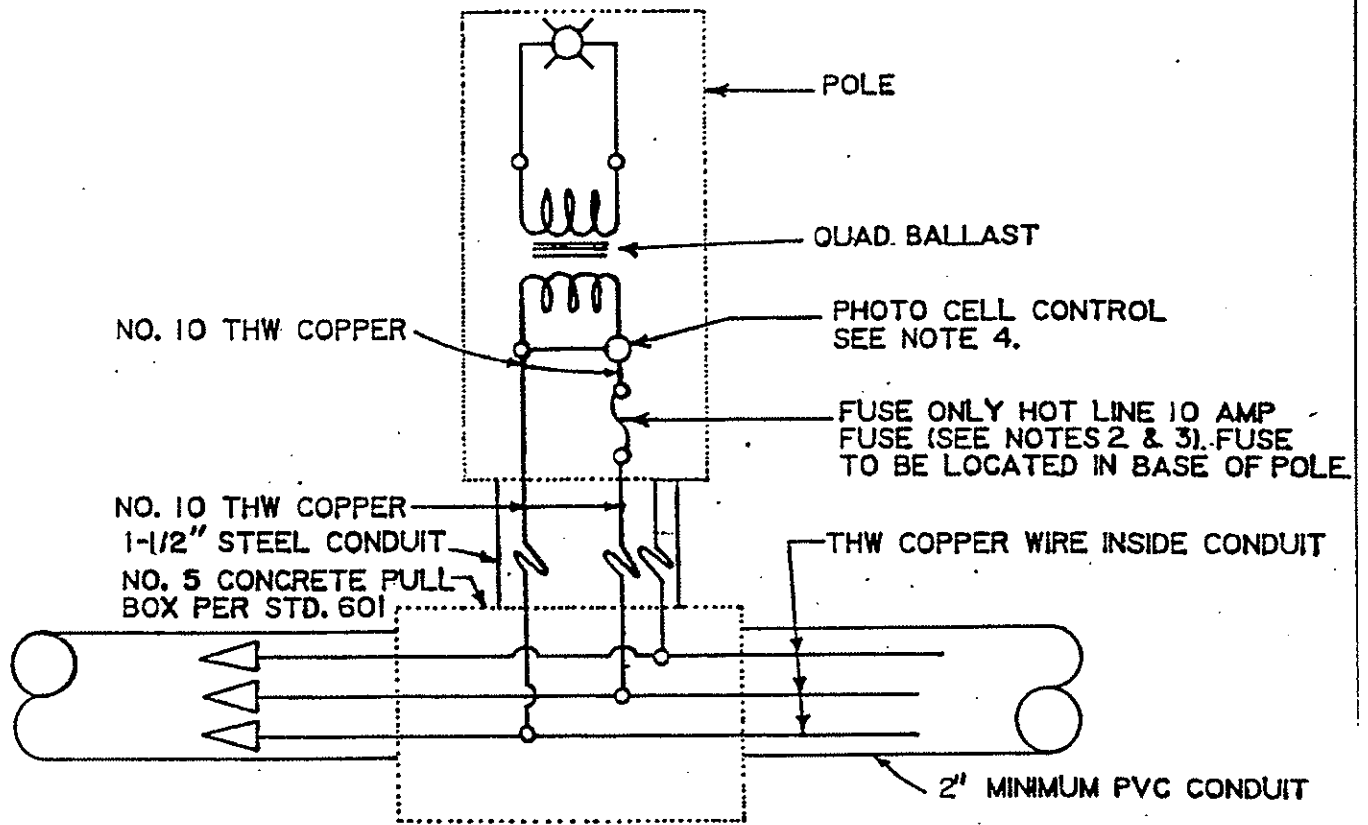


NO. 5 CONCRETE PULLBOX.

NOTES:

1. PULLBOX COVERS SHALL BE BOLTED AND INSCRIBED "STREET LIGHTING".

CITY OF ROHNERT PARK	
PULL BOX INSTALLATION NO. 5 PULL BOX	
SCALE: NONE	DATE: JANUARY 2006
Approved: <i>Damian</i>	STD. - 601

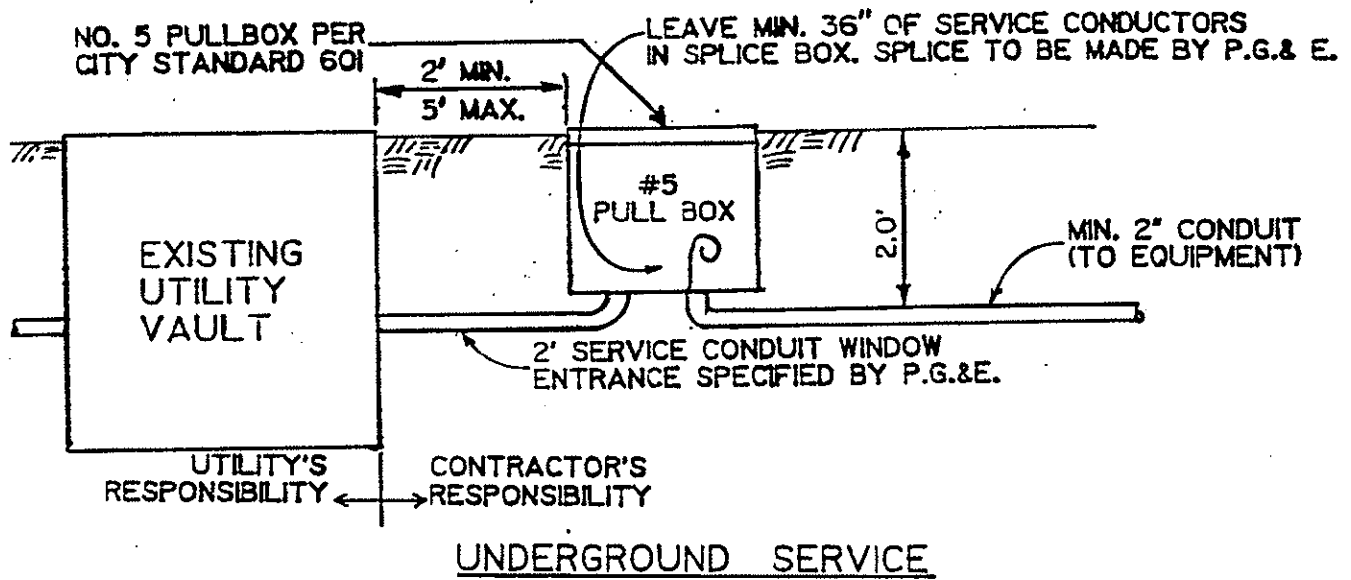


**SCHEMATIC STREET LIGHT
WIRING DIAGRAM**

NOTES:

- 1. 600V 30A IN-LINE WATERPROOF FUSE HOLDER SHALL BE USED.
- 2. IF THE OPTIONAL DECORATIVE LUMINAIRE PER STD. 613 IS USED, THE IN-LINE FUSE SHALL BE LOCATED IN THE ADJACENT PULL BOX.

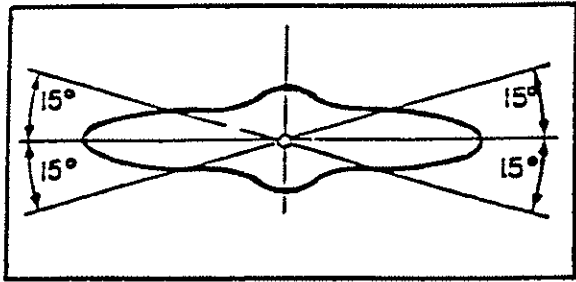
CITY OF ROHNERT PARK	
STREET LIGHT STANDARD WIRING DIAGRAM	
SCALE: NONE	DATE: JANUARY 2006
Approved: <i>Dennis</i>	STD. - 602



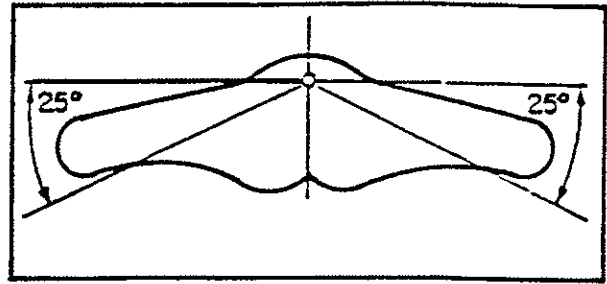
NOTES:

1. CONTRACTOR TO INSTALL CONDUIT INTO UTILITY CO. VAULT WITH UTILITY CO. REPRESENTATIVE IN ATTENDANCE.
2. CONTRACTOR TO INSTALL #5 PULL BOX AND 2" SERVICE CONDUIT (WHEN NONEXISTENT) AND 2" CONDUIT AND CONDUCTORS FROM EQUIPMENT TO PULL BOX.
3. CONDUIT AND CONDUCTOR SPLICE BOX ON SHORT SIDE. NO LONG SIDE OR BOTTOM ENTRY PERMITTED.

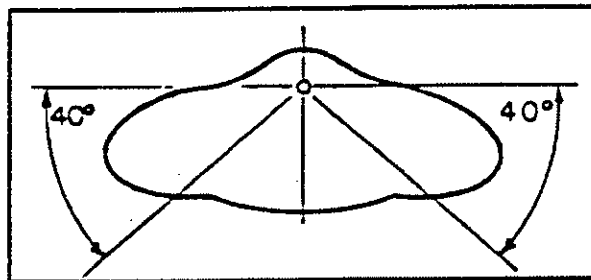
CITY OF ROHNERT PARK	
ELECTRIC SERVICE DETAIL UNDERGROUND SERVICE	
SCALE: NONE	DATE: JANUARY 2006
Approved: <i>Dennis</i>	STD. - 603A



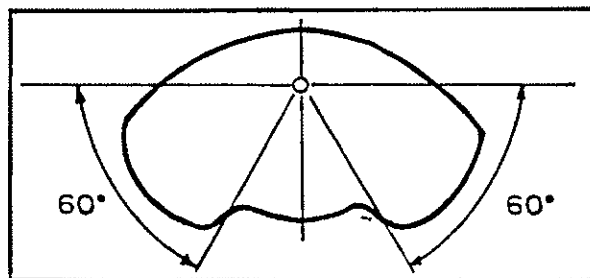
TYPE 1
CENTER OF STREET



TYPE 2
SIDE OF STREET



TYPE 3
SIDE OF STREET



TYPE 4
SIDE OF STREET

CITY OF ROHNERT PARK

LATERAL LIGHT DISTRIBUTION

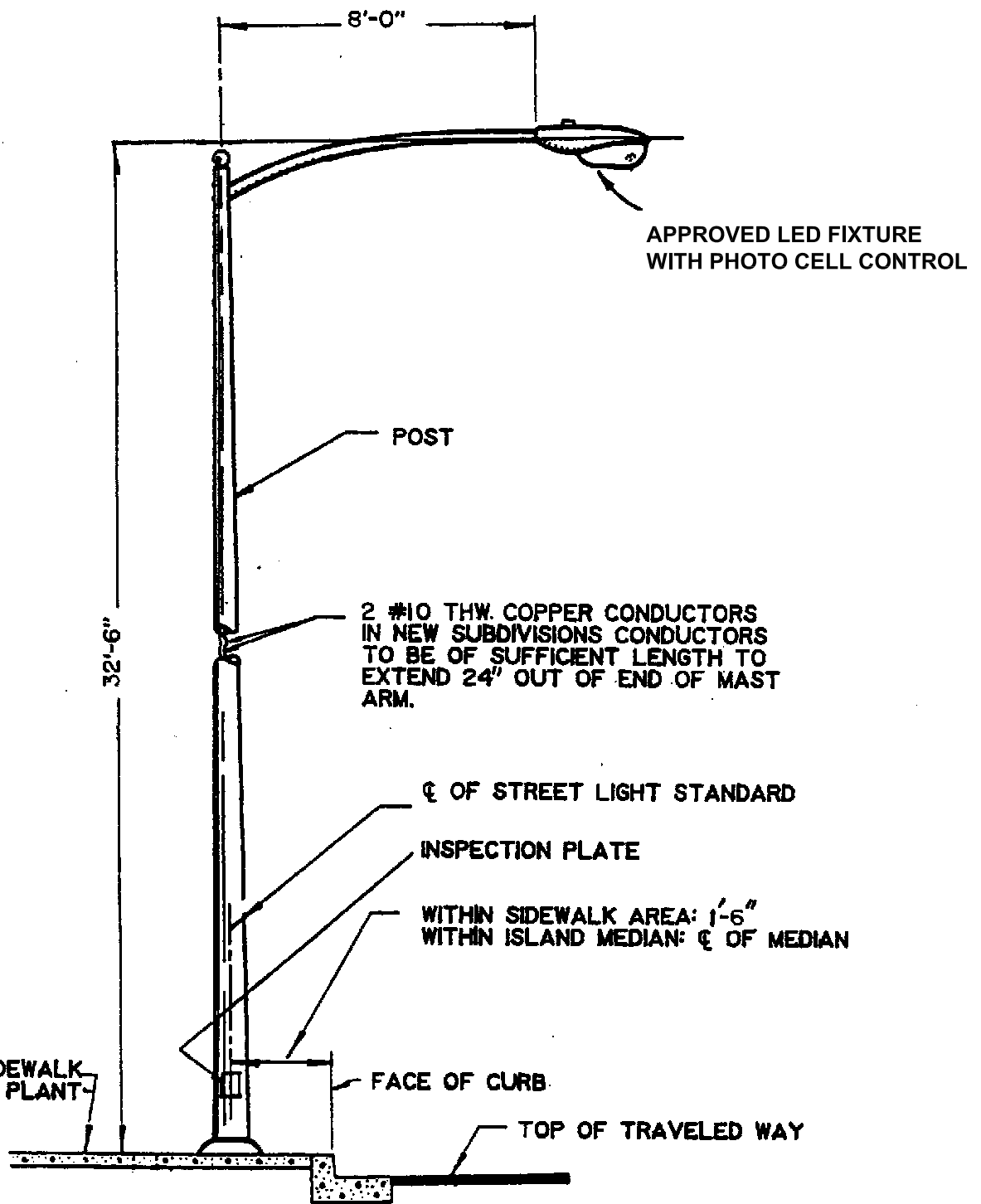
SCALE: NONE

DATE: JANUARY 2006

Approved:

Domestic

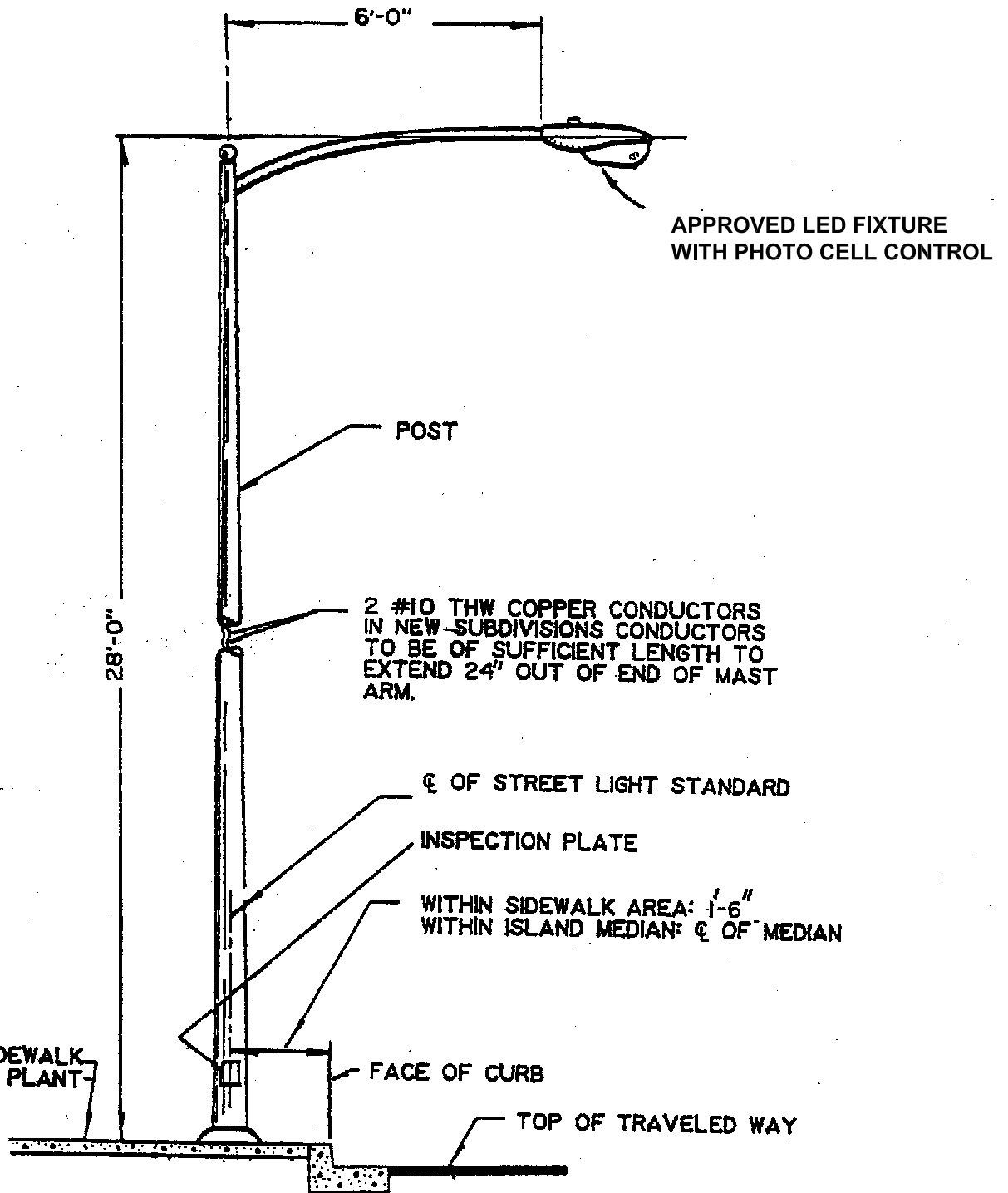
STD. - 604



NOTES:

1. FOR BASE DETAIL, SEE STD. 620A.
2. MINIMUM CLEARANCE OF 48-INCHES FROM BACK OF SIDEWALK REQUIRED.

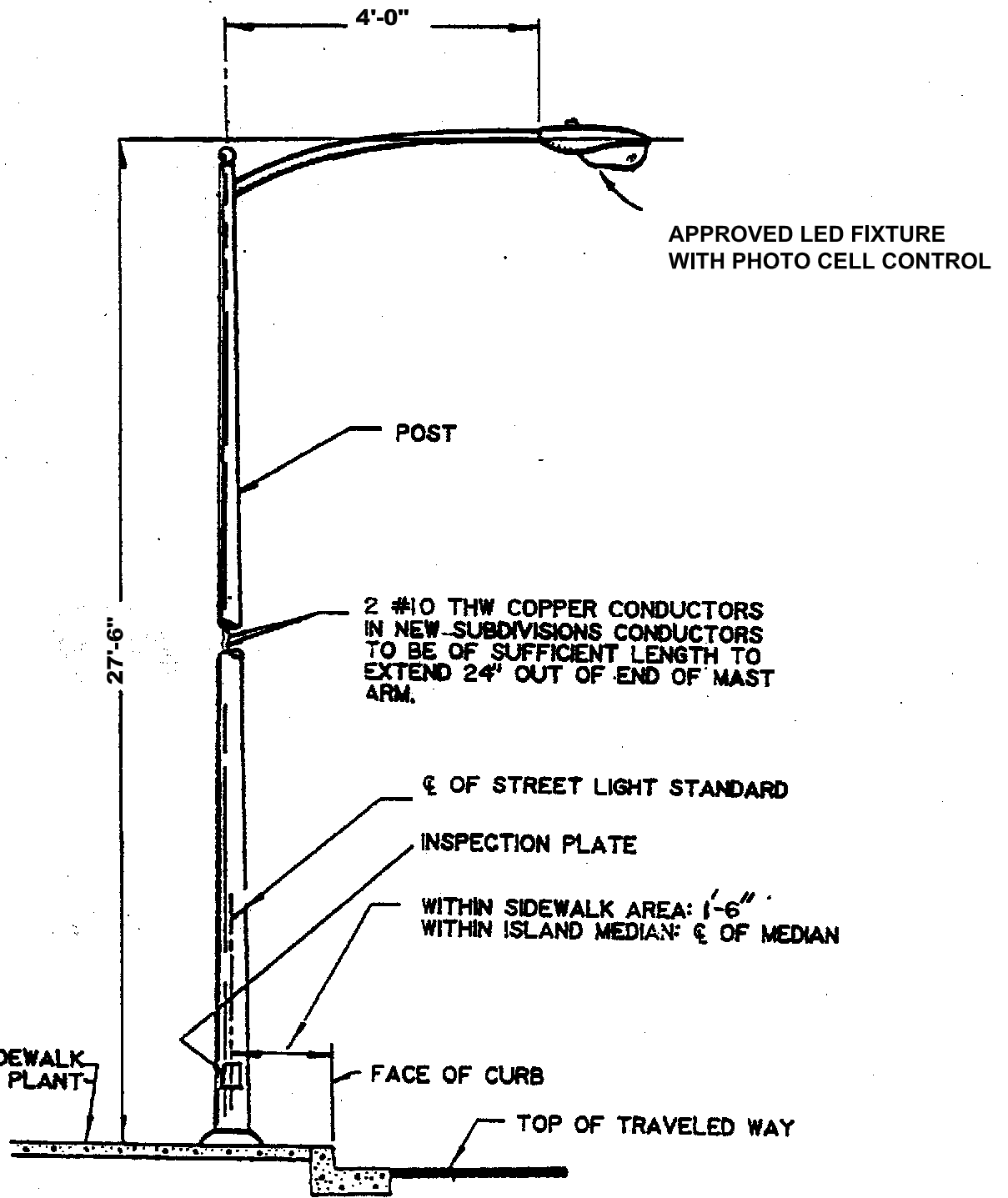
CITY OF ROHNERT PARK	
STREET LIGHTS MAJOR STREETS COBRA STYLE	
SCALE: NONE	DATE: MARCH 2014
Approved:	STD. - 610



NOTES :

1. FOR BASE DETAIL, SEE STD. 620A.
2. MINIMUM CLEARANCE OF 48-INCHES FROM BACK OF SIDEWALK REQUIRED.

CITY OF ROHNERT PARK	
STREET LIGHTS COLLECTOR STREETS COBRA STYLE	
SCALE: NONE	DATE: MARCH 2014
Approved:	STD. - 611



NOTES:

1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER BY VARIANCE.
2. FOR BASE DETAIL, SEE STD. 620A.

CITY OF ROHNERT PARK	
STREET LIGHTS MINOR STREETS	
SCALE: NONE	DATE: MARCH 2014
Approved:	STD. - 612

- ① INSTALL HOUSE SIDE SHIELD AS DIRECTED BY THE CITY ENGINEER.
- ② SEE CITY STD 620B AND STD 621 FOR CONCRETE FOOTING DESIGN

Specifications

Hood:

Spectra SPI by AAL 22"x29.2".

Luminaire Description:

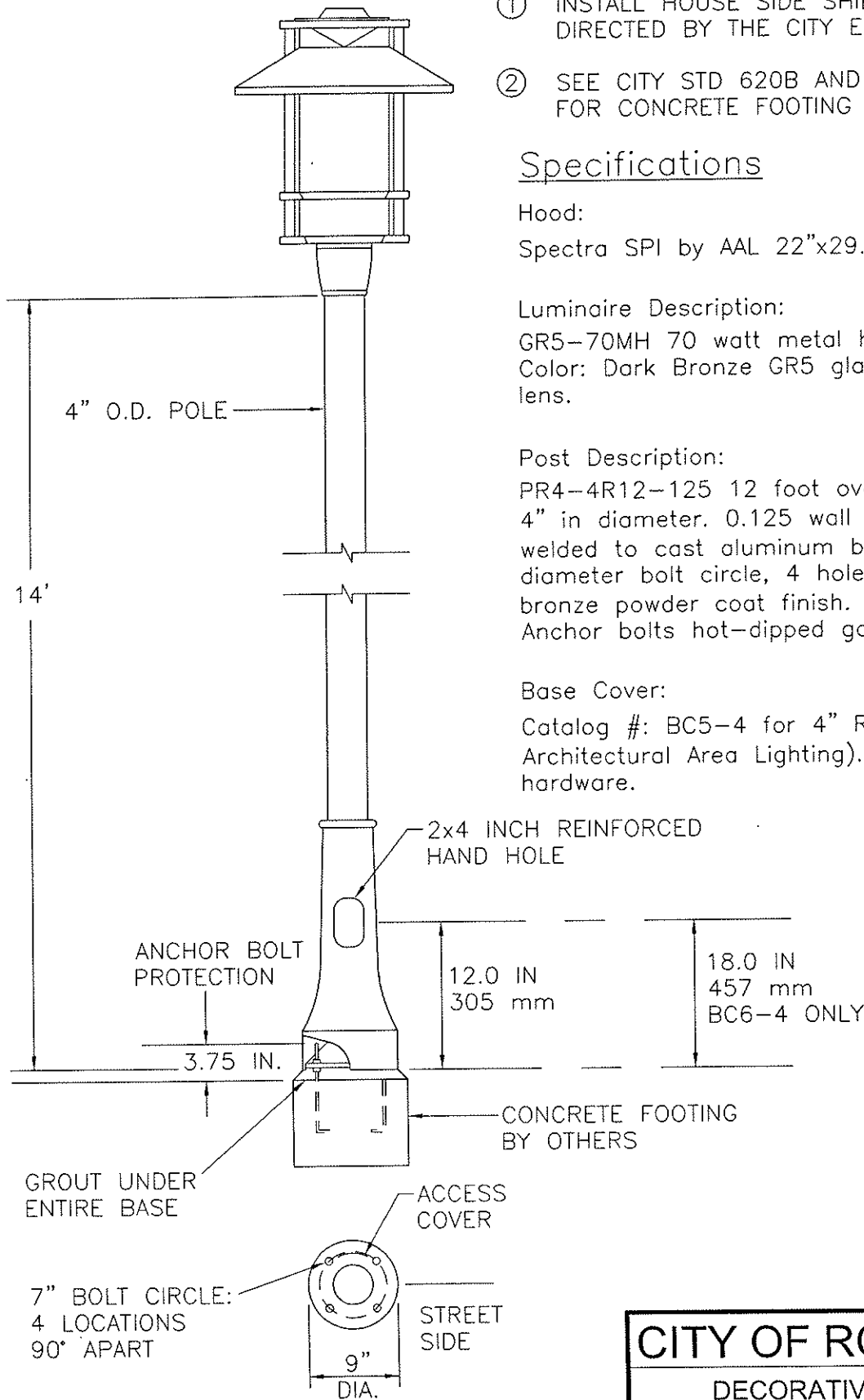
GR5-70MH 70 watt metal halide 277v ballast.
Color: Dark Bronze GR5 glass refractor type 3 lens.

Post Description:

PR4-4R12-125 12 foot overall height post. Shaft 4" in diameter. 0.125 wall thickness post shaft, welded to cast aluminum base housing. 7" diameter bolt circle, 4 holes 90° apart. Dark bronze powder coat finish. (4) 3/4"x24"x3" Anchor bolts hot-dipped galvanized.

Base Cover:

Catalog #: BC5-4 for 4" Round Pole. (by Architectural Area Lighting). Stainless steel hardware.



BOTTOM VIEW
(INDICATES POLE IS LAYING DOWN WITH HANDLE FACING UP)

CITY OF ROHNERT PARK

DECORATIVE STREET LIGHTS
CITY CENTER AREA

SCALE: NONE

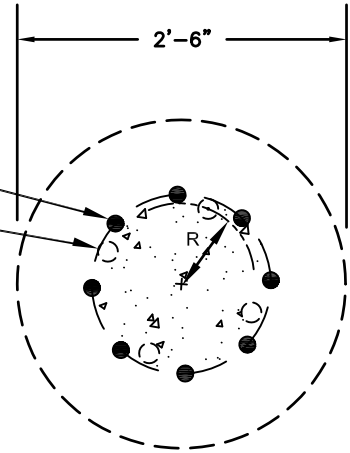
DATE: JANUARY 2006

Approved:

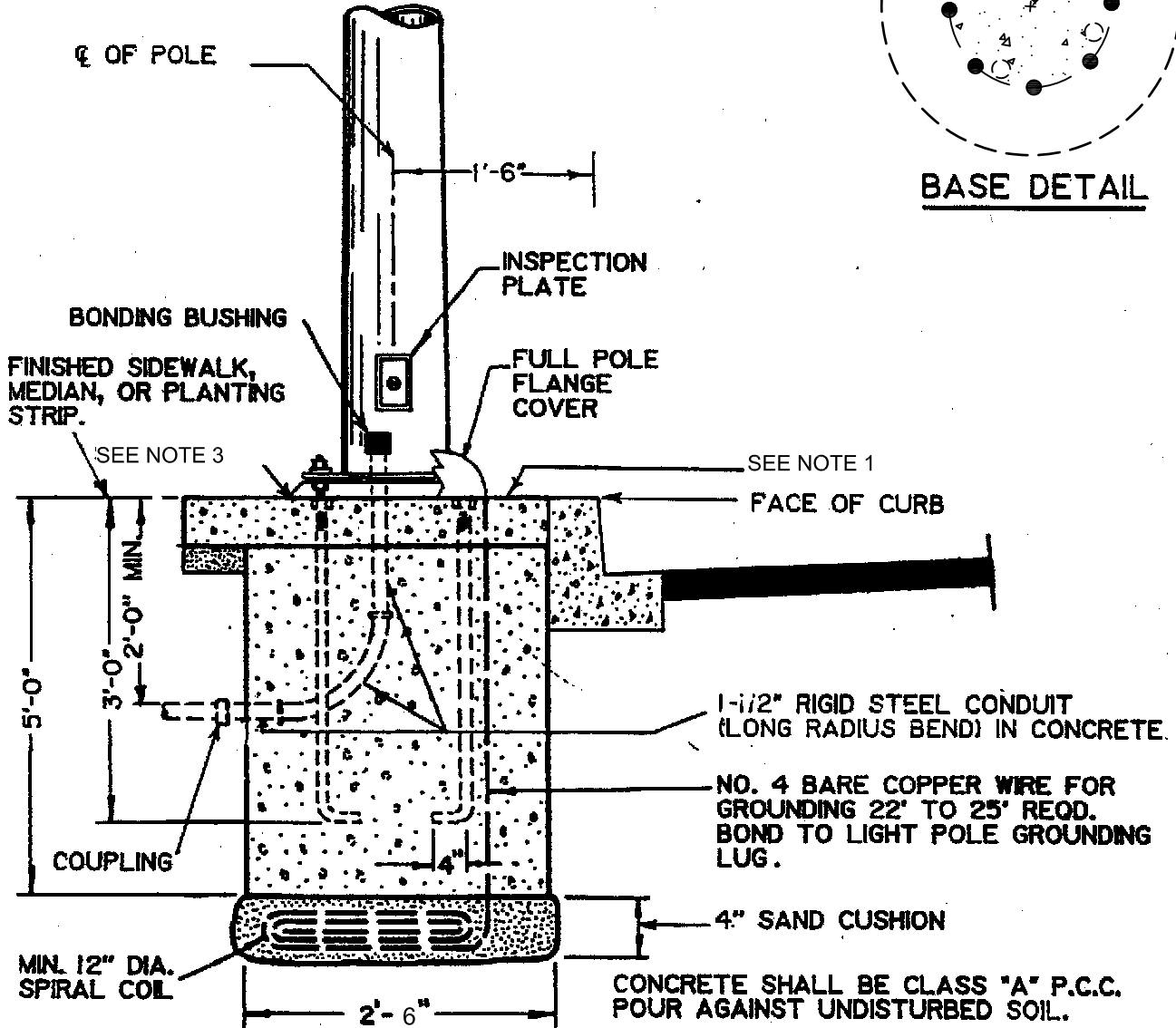
Damian

STD. - 618

R₁ = ANCHOR BOLT DIA. DIMENSION R AND BOLT PATTERN TO SUIT POLE BASE FURNISHED.



BASE DETAIL



CONCRETE FOOTING

NOTES:

1. IN AREAS WITHOUT CONCRETE AROUND FOOTING, CONSTRUCT A 2'x2' CONC. PAD (4" THICK). IF ROUND FOOTING IS POURED, POUR TO BOTTOM ELEVATION OF THE SIDEWALK.
2. FOUNDATION BOLTS SHALL NOT BE CUT OFF FOR ANY REASON. EXTENSION COUPLERS SHALL NOT BE PERMITTED.
3. LEVELING OF BASE SHALL CONFORM TO THE REQUIREMENTS OF STD. 621.

CITY OF ROHNERT PARK

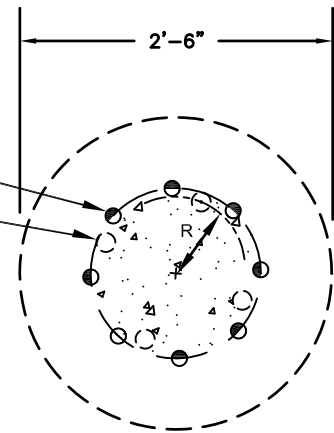
**CONCRETE FOOTING AND BASE DETAIL
COBRA STYLE STREET LIGHT POLE**

SCALE: NONE DATE: MARCH 2014

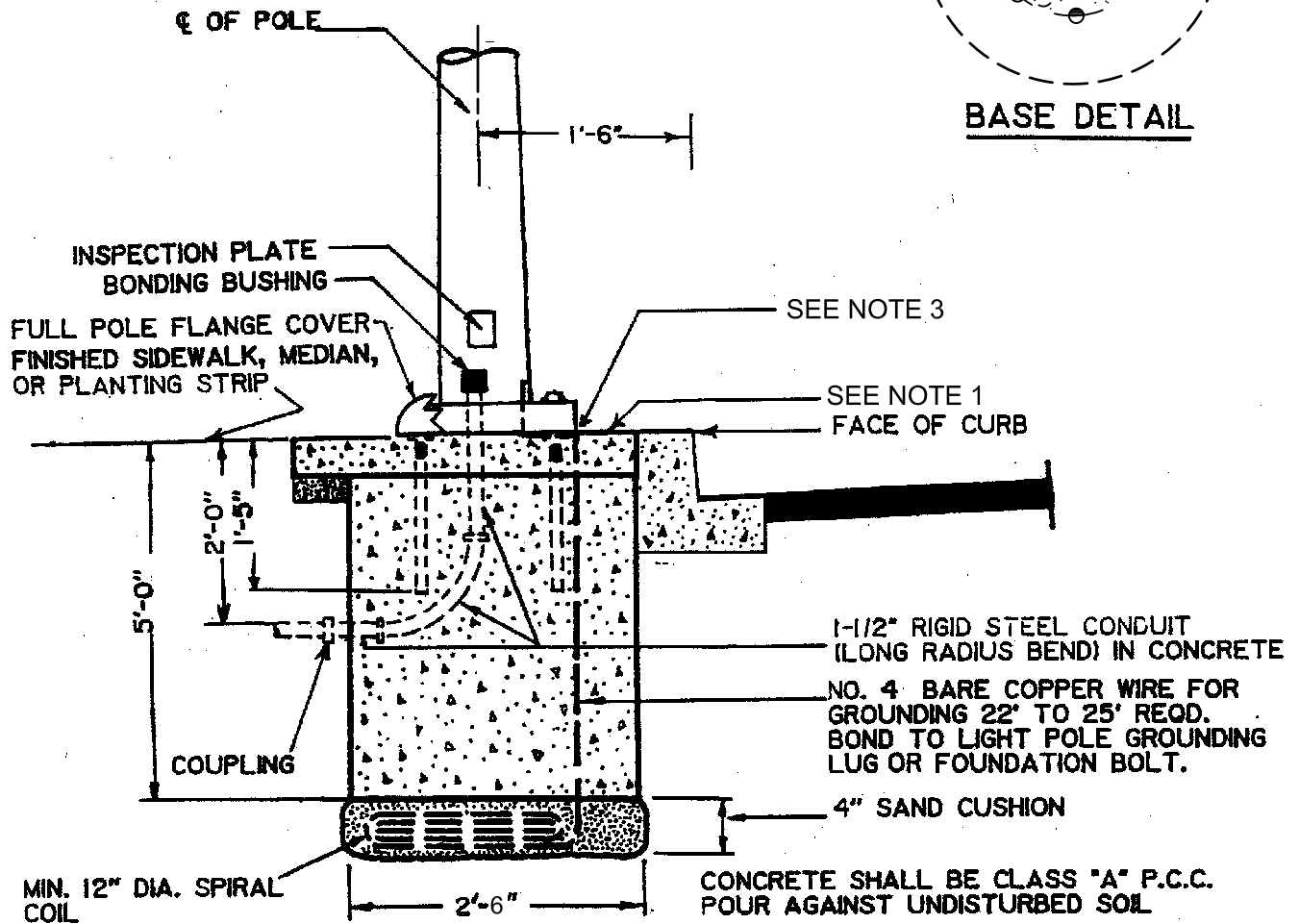
Approved: _____ STD. - 620A

R₁ = ANCHOR BOLT DIA. DIMENSION R AND BOLT PATTERN TO SUIT POLE BASE FURNISHED.

8 #4 BARS VERTICAL
#3 HOOPS AT 12" O.C



BASE DETAIL



CONCRETE FOOTING

NOTES:

1. IN AREAS WITHOUT CONCRETE AROUND FOOTING, CONSTRUCT A 2'x2' CONC. PAD (4" THICK). IF ROUND FOOTING IS POURED, POUR TO BOTTOM ELEVATION OF THE SIDEWALK.
2. FOUNDATION BOLTS SHALL NOT BE CUT OFF FOR ANY REASON. EXTENSION COUPLERS SHALL NOT BE PERMITTED.
3. LEVELING OF BASE SHALL CONFORM TO THE REQUIREMENTS OF STD. 621.

CITY OF ROHNERT PARK

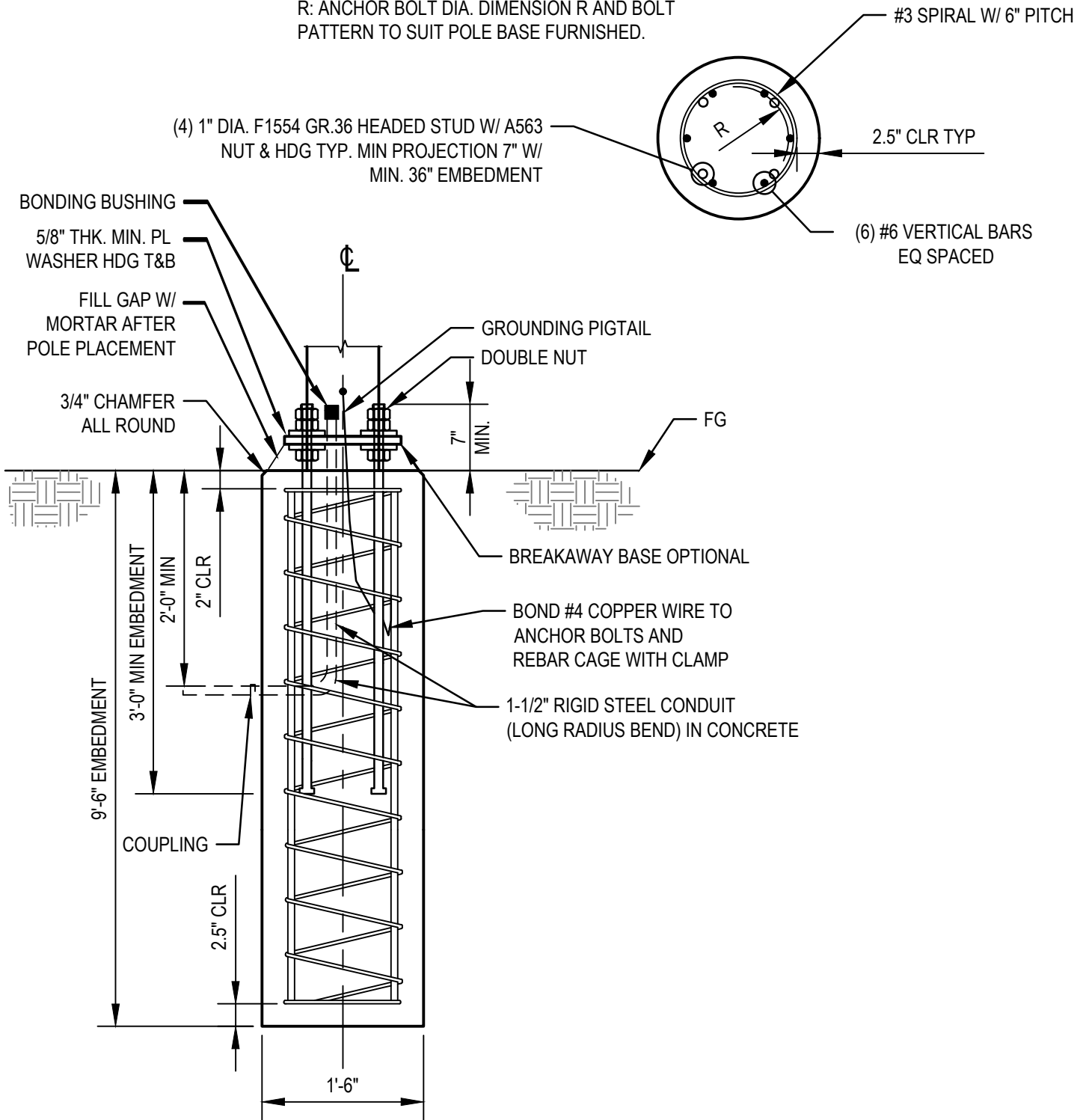
**CONCRETE FOOTING AND BASE DETAIL
DECORATIVE STREET LIGHT POLE**

SCALE: NONE DATE: MARCH 2014

Approved: _____ STD. - 620B

Exhibit A-2

R: ANCHOR BOLT DIA. DIMENSION R AND BOLT PATTERN TO SUIT POLE BASE FURNISHED.



NOTES:

1. MAXIMUM HEIGHT OF LIGHT POLE: 32'-6" WITH MAXIMUM ARM LENGTH 8'-0".
2. ADJUST ANCHOR BOLTS TO AVOID CONFLICT WITH VERTICAL BARS.
3. IN AREAS WITHOUT CONCRETE AROUND FOOTING, CONSTRUCT A 2'x2' CONC. PAD (4" THICK). FOR ROUND FOOTING, POUR TC BOTTOM ELEVATION OF THE SIDEWALK.
4. FOUNDATION BOLTS SHALL NOT BE CUT OFF FOR ANY REASON. EXTENSION COUPLERS SHALL NOT BE PERMITTED.
5. LEVELING OF BASE SHALL CONFORM TO THE REQUIREMENTS OF STD. 621.

CITY OF ROHNERT PARK

18" DIAMETER CONCRETE FOOTING AND BASE PLATE DETAIL
COBRA STYLE STREET LIGHT POLE

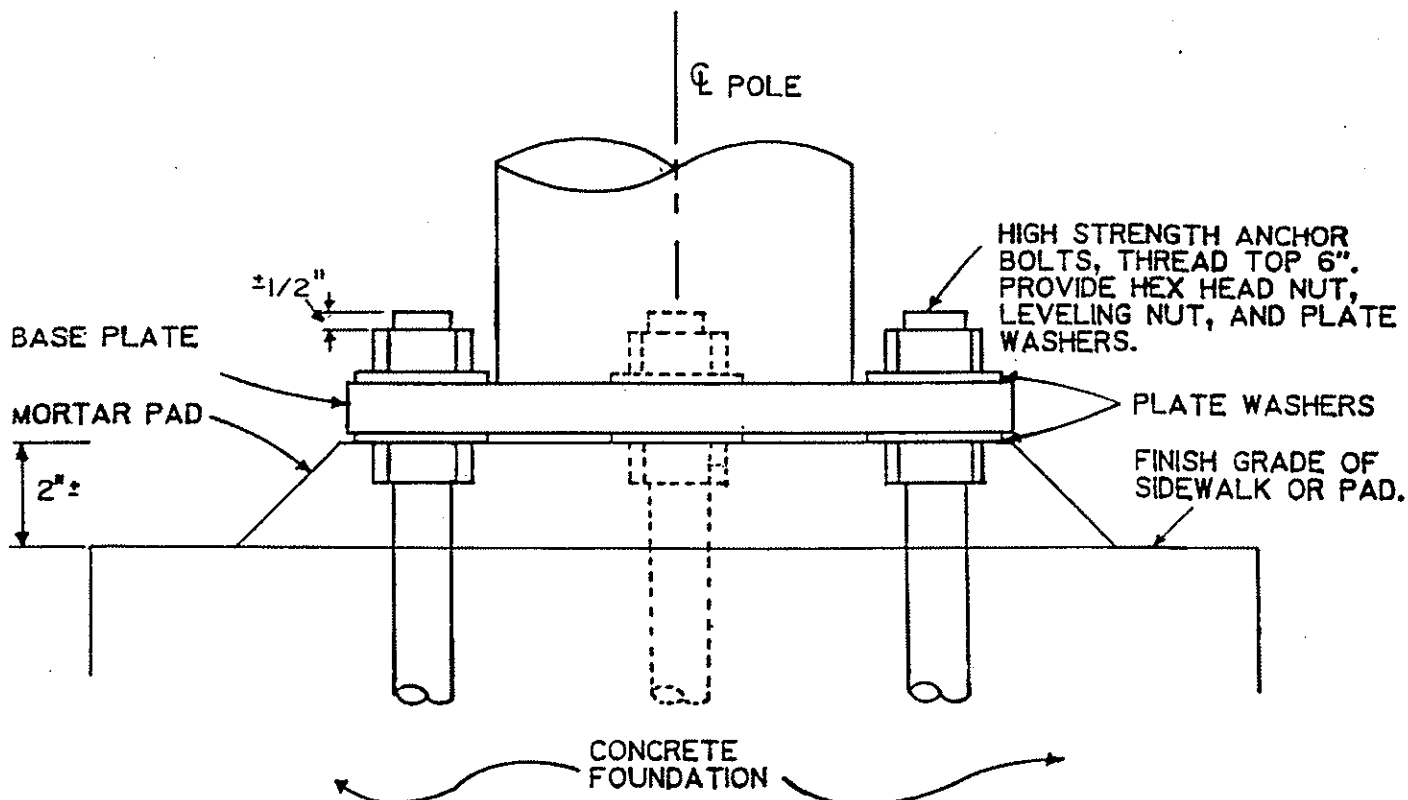
SCALE: NONE

DATE: JUNE 2023

APPROVED:

Julian De Anda

STD. - 620C



BASE LEVELING DETAIL

NOTES:

- 1. FOUNDATION BOLTS SHALL NOT BE CUT OFF FOR ANY REASON
EXTENSION COUPLERS SHALL NOT BE PERMITTED

CITY OF ROHNERT PARK

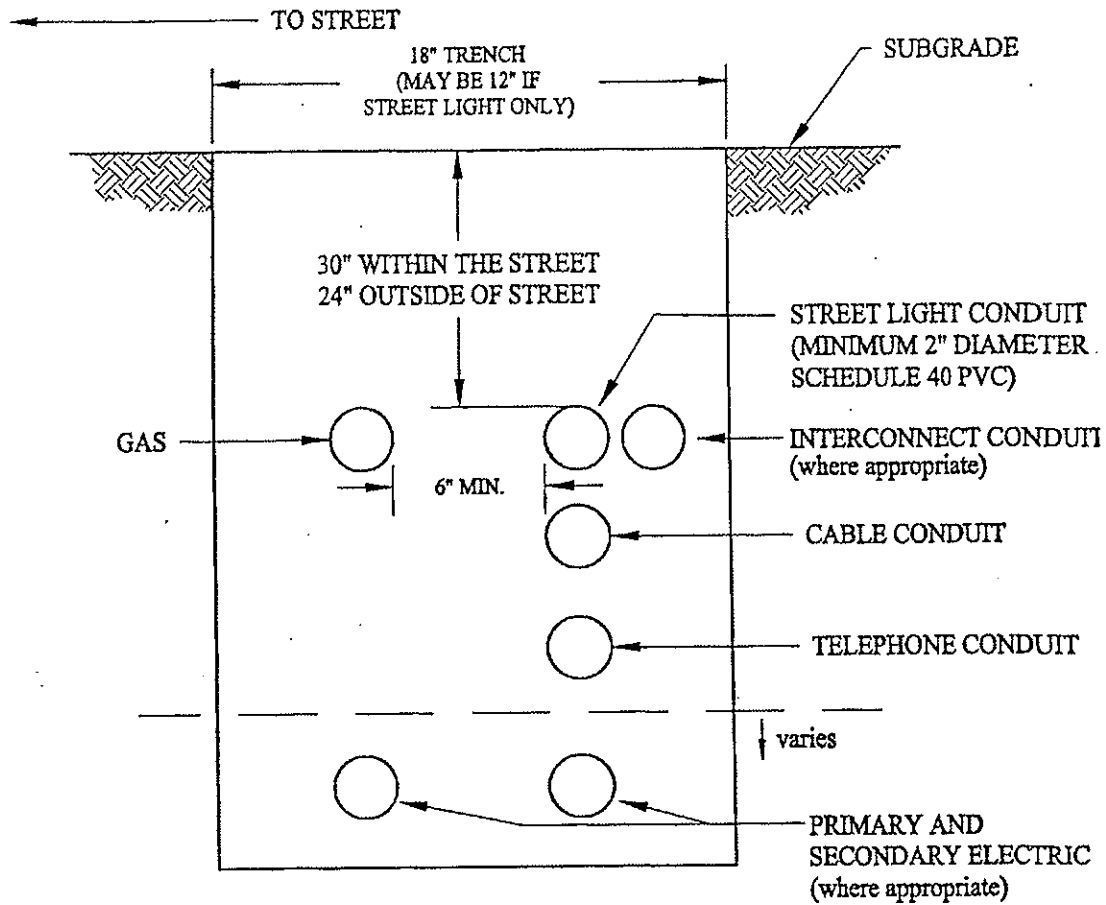
STREET LIGHTING BASE
LEVELING DETAIL

SCALE: NONE DATE: JANUARY 2006

Approved:

Dawn Rubin

STD. - 621



NOTES:

1. IF JOINT TRENCH IS USED, THE TRENCH LAYOUT SHALL CONFORM TO THE ABOVE CONFIGURATION, UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE CITY ENGINEER.
2. A RUN OF CONDUIT SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR - 1/4 BENDS (360° TOTAL) INCLUDING OFFSETS AND BENDS LOCATED AT PULL BOXES AND SERVICE POINTS (NATIONAL ELECTRIC CODE 347-14).
3. PULL BOXES ARE REQUIRED ON BOTH SIDES OF EACH STREET CROSSING.
4. IF JOINT TRENCH IS USED, COSTS SHALL BE BORNE BY DEVELOPER. JOINT TRENCH DESIGN SHALL BE THE RESPONSIBILITY OF THE DEVELOPER.
5. NO MORE THAN ONE STREET LIGHT CONDUIT IN ANY PG&E SERVICE POINT.
6. PRIOR TO ANY STREET LIGHT CONDUIT CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE 3 COPIES OF THE JOINT TRENCH OR STREET LIGHT CONDUIT PLAN TO THE INSPECTOR AND MEET THE INSPECTOR ON-SITE TO REVIEW STREET LIGHT CONDUIT PLANS & IDENTIFY ALL PULL BOX LOCATIONS & CONDUIT STREET CROSSINGS.
7. REFERENCE THE JOINT TRENCH COMPOSITE OR STREET LIGHT CONDUIT PLANS FOR CONDUIT LOCATION AND CONDUCTOR SCHEDULE.

CITY OF ROHNERT PARK

JOINT TRENCH LAYOUT FOR STREET LIGHT CONDUIT

SCALE: NONE

DATE: JANUARY 2006

Approved:

Donna Johnson

STD. - 625