City of Rohnert Park

Street Lighting
Detail Drawings
## STREET LIGHTING DETAIL DRAWINGS

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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: [Signature]

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.
NO. 5 PULL BOX PER
CITY STANDARD 601

EXISTING
UTILITY
VAULT

LEAVE MIN. 36" OF SERVICE CONDUCTORS
IN SPlice BOX. SPlice TO BE MADE BY P.G.& E.

2' MIN.
5' MAX.

#5 PULL BOX

MIN. 2" CONDUIT
(TO EQUIPMENT)

2' SERVICE CONDUIT WINDOW
ENTRANCE SPECIFIED BY P.G.&E.

UTILITY'S
RESPONSIBILITY

CONTRACTOR'S
RESPONSIBILITY

UNDERGROUND SERVICE

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:

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: 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 CR5 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.

CITY OF ROHNERT PARK
DECORATIVE STREET LIGHTS
CITY CENTER AREA

SCALE: NONE   DATE: JANUARY 2006

Approved:

STD. - 618
CITY OF ROHNERT PARK

CONCRETE FOOTING AND BASE DETAIL
COBRA STYLE STREET LIGHT POLE

SCALE: NONE DATE: MARCH 2014
Approved: STD. - 620A

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.

CONCRETE FOOTING

- 8 #4 BARS VERTICAL
- #3 HOOPS AT 12" O.C.
- 1'-6" RIGID STEEL CONDUIT
- LONG RADIUS BEND IN CONCRETE
- NO. 4 BARE COPPER WIRE FOR GROUNDING 22' TO 25' REQD.
- BOND TO LIGHT POLE GROUNDING LUG.
- 4" SAND CUSHION
- CONCRETE SHALL BE CLASS "A" P.C.C.
- POUR AGAINST UNDISTURBED SOIL.
R: ANCHOR BOLT DIA. DIMENSION R AND BOLT PATTERN TO SUIT POLE BASE FURNISHED.

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

% OF POLE

INSPECTION PLATE
BONDING BUSHING

FULL POLE FLANGE COVER-
FINISHED SIDEWALK, MEDIAN,
OR PLANTING STRIP

SEE NOTE 3

SEE NOTE 1
FACE OF CURB

1-1/2" RIGID STEEL CONDUIT
(LONG RADIUS BEND) IN CONCRETE

NO. 4 BARE COPPER WIRE FOR
GROUNDING 22' TO 25' REMD.
BOND TO LIGHT POLE GROUNDING
LUG OR FOUNDATION BOLT.

4" SAND CUSHION

MIN. 12" DIA. SPIRAL
COIL

CONCRETE SHALL BE CLASS "A" P.C.C.
POUR AGAINST UNDISTURBED SOIL

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
CITY OF ROHNERT PARK

STREET LIGHTING BASE
LEVELING DETAIL

SCALE: NO SCALE
DATE: JANUARY 2006

Approved: [Signature]

STD. - 621

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