

April 26, 2017

COUNTY OF SAN MATEO
MIDDLEFIELD ROAD AT SECOND AVENUE
PARKING LOT
NORTH FAIR OAKS AREA
TOTAL PROJECT APPROXIMATELY 200 FEET IN LENGTH
WITH APPURTENANT WORK THERETO
IN SAN MATEO COUNTY

COUNTY PROJECT NO. OD438
PROJECT FILE NO. E4956

ADDENDUM NO. 1

TO ALL PLAN HOLDERS:

The following **Addendum No. 1** to the above referenced project, dated April 7, 2017, shall be included in the project plans and specifications.

1. Page iv of the TableCon (Table of Contents) Section shall be replaced in the Project Specifications:

Replace page iv of the TableCon Section with page iv (rev).

2. Page 121 of the SP (Special Provisions) Section shall be replaced in the Project Specifications:

Replace page 121 of the SP Section with page 121 (rev).

3. Appendix G (cover sheet) and Luminaire and Photocell Product Specifications shall be replaced in Appendix G of the Project Specifications:

Replace Appendix G cover sheet with Appendix G (rev) cover sheet, and replace Luminaire and Photocell Product Specifications (7 pages) with Luminaire Mast Arm and Pole Specifications (8 pages).

4. Sheet 2 of the Plans shall be replaced in the Project Plans:

Replace Sheet 2 (Sheet 2 of 19) of the Plans with Sheet 2 (rev) (Sheet 2 of 19).



To All Plan Holders
Middlefield Road at Second Ave Parking Lot
Addendum No. 1
April 26, 2017

Page 2

5. Sheet 18 of the Plans shall be replaced in the Project Plans:

Replace Sheet 18 (Sheet 18 of 19) of the Plans with Sheet 18 (rev) (Sheet 18 of 19).

6. Sheet 19 of the Plans shall be replaced in the Project Plans:

Replace Sheet 19 (Sheet 19 of 19) of the Plans with Sheet 19 (rev) (Sheet 19 of 19).

Please sign and return the attached "Receipt of Addendum No. 1" form. The "Receipt of Addendum No. 1" form MUST be received in this office no later than 5:00 PM, Monday, May 1, 2017 or the bid will NOT be considered. The Receipt of Addendum can be faxed to Gil Tourel's attention at (650)361-8220 or email at gtourel@smcgov.org.

If you have any questions or require additional information, please contact Matthew Ruble, Carter Choi, or Gil Tourel of our office at (650) 363-4100. We can also be reached by e-mail at:

mruble@smcgov.org
cchoi@smcgov.org
gtourel@smcgov.org

Very truly yours,



James C. Porter
Director of Public Works

JCP:AMS:GT:CC:MR

F:\Users\design\C3D\E4956000_Middlefield Rd Parking Lot\Addendum\E4956 Addendum 1.docx

Encl.- "Receipt of Addendum No. 1" Form

cc: Ann M. Stillman, Deputy Director, Engineering and Resource Protection
Gil Tourel, Principal Civil Engineer, Engineering and Construction
Carter Choi, Senior Civil Engineer, Project Development and Design
Matthew Ruble, Associate Civil Engineer, Project Development and Design

April 26, 2017

COUNTY OF SAN MATEO

**MIDDLEFIELD ROAD AT SECOND AVENUE
PARKING LOT
NORTH FAIR OAKS AREA**

**TOTAL PROJECT APPROXIMATELY 200 FEET IN LENGTH
WITH APPURTENANT WORK THERETO
IN SAN MATEO COUNTY**

**COUNTY PROJECT NO. OD438
PROJECT FILE NO. E4956**

RECEIPT OF ADDENDUM NO. 1

I, _____, an authorized representative for _____, have received **Addendum No. 1** for the Middlefield Road at Second Avenue Parking Lot Project from an authorized representative of the County of San Mateo, to be included in the Plans and Specifications for the above referenced project.

This form must be signed and received in the offices of the County of San Mateo, Department of Public Works ***no later than 5:00 PM, Monday, May 1, 2017.***

“Contractor”

(Print)

(Signature)

(Date)

TABLE OF CONTENTS (Continued)

APPENDIX E

Construction Claims:
Public Contract Code Sections 9204 and 20104 et seq.

APPENDIX F

Regulatory Environmental Documents:
Mitigation Measures and Mitigation Monitoring and Reporting Program

APPENDIX G

Luminaire Mast Arm and Pole Specifications
Electrical Underground Specifications and Requirements

APPENDIX H

Special Provisions for Closed Circuit Television Inspection of Sanitary Sewer Main

PROPOSAL

Contractor's Check-Off List
Name and Address of Bidder
Contractor Declaration Statement
Bid Schedules
Bidder's Bond
Signature of Bidder
Subcontractors
San Mateo County Equal Employment Opportunity Program
Equal Benefits Compliance Ordinance No. 04026
(Title 2, Chapter 2.84, San Mateo County Ordinance Code)
Equal Benefits Compliance Declaration Form
Contractor Employee Jury Service Ordinance No. 04269
(Title 2, Chapter 2.85, San Mateo County Ordinance Code)
Contractor Employee Jury Service Compliance Declaration Form
Non-Collusion Declaration Form

AGREEMENT

Signature Sheet

SECTION 86.**LIGHTING**

Lighting work shall conform to the provisions of Section 86, "Signals, Lighting and Electrical Systems," of the Standard Specifications, and these Special Provisions. **The luminaires shall be Philips Lumec LED luminaire: RN20, Lamp: 55W32LED4K, Globe/Lens: GL, Optical System: RLE3R, Voltage: 240, Adaptor: SMA, Options: CR1 (one luminaire to have house shield), Mounting & Configuration: CRM8-1A, Pole: RS856V-22 (with banner arms), Black Powder Coat Finish or approved equal with comparable photometric performance.** See Appendix G for specifications sheets.

See Appendix G for details on Electrical Underground Specifications and Requirements.

Contractor shall demolish and remove portions of the existing buried structural concrete foundation wall in order to install the lighting foundation on the south light location, as shown on plan sheet 2.

The Contract lump sum price paid for this item, "Lighting" shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work involved in installing lighting, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, including foundation and any required **demolition work of the existing buried structural concrete foundation wall, excavation or backfill, compaction of subbase and no additional compensation will be allowed therefore.**

END OF SECTION

Appendix G (rev)

Luminaire Mast Arm and Pole Specifications

**Electrical Underground Specifications
and Requirements**

FINISHES

(Consult Philips Lumec's Color Chart for complete specifications)

The specially formulated Lumital powder coat finish is available in a range of many standard colors.

Use Black Powder Coat

ORDERING SAMPLE

LUMINAIRE	LAMP	GLOBE/LENS	OPTICAL SYSTEM	VOLTAGE	ADAPTOR	OPTIONS	MOUNTING & CONFIGURATION	POLE	FINISH
RN20	90W49LED4K	ACDR	LE3R	240	SMA	CR1	PR6-1A	R92-25	GN6TX
RN20	55W32LED4k	GL	RLE3R	240	SMA	CR1	CRM8-1A	RS856V-22	BLACK

1 luminaire to have HS (house shield)

ASSEMBLY EXAMPLES

The image shows five different street lighting configurations. On the left, a vertical scale in feet (ft) and meters (m) is provided, with markings at 0.61, 1.22, 1.83, 2.44, 3.05, 3.66, 4.27, 4.88, 5.49, 6.10, and 6.71. Human silhouettes are placed next to the poles to provide a sense of scale.

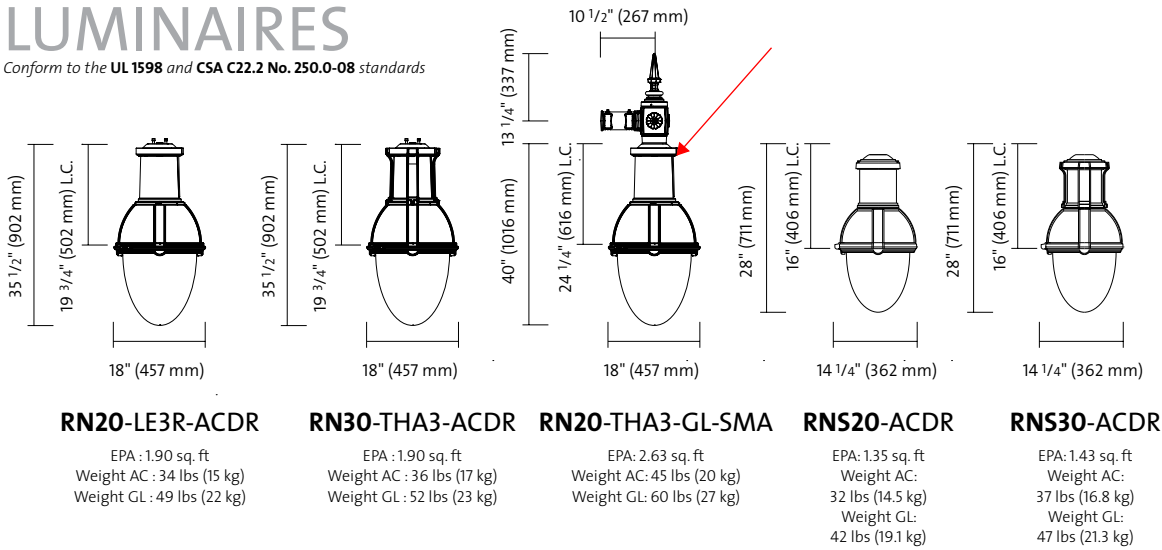
- Example 1:** Luminaire: RN30-THA3-SMA; Mounting: CJL8-1A; Pole: RTA92-BA. Features a tall pole with a horizontal arm and a single luminaire.
- Example 2:** Luminaire: RN20-THA3; Mounting: NM-1A; Pole: RA56-FH. Features a pole with a curved arm and a single luminaire.
- Example 3:** Luminaire: RN20-THA3-SMA; Mounting: PR8-1A; Pole: SSM8-PS. Features a pole with a horizontal arm and a single luminaire, and a decorative wreath.
- Example 4:** Luminaire: RNS20-THC3-YM; Pole: RTA906/907. Features a tall pole with a single luminaire.
- Example 5:** Luminaire: RN30-THA3; Mounting: MM-2; Pole: RA61. Features a pole with a horizontal arm and two luminaires.

BENEFITS

- › Designed in response to the needs of planners, lighting designers, landscape architects, and other outdoor lighting professionals.
- › Highly customizable with available cages, crowns and decorative deflectors.
- › Toolfree access to lamp and electrical components for ease of maintenance.
- › Smartseal™ optical systems (IP66) virtually eliminate Luminaire Dirt Depreciation (LDD).
- › Comes standard with the most efficient HID optics available on the market.
- › Available with optional LifeLED™ optics that can reduce energy consumption by up to 50% without sacrificing photometric performance.

LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



LAMPS / LED

LED = Philips Lumileds Luxeon R, CRI = 70, CCT = 4000K (+/- 350K)

System (LED + driver) Rated life = 100,000 hrs¹

LED light engine technical information for RN20, RN30 WITH FLAT LENS

LAMP	TYPICAL DELIVERED LUMENS	TYPICAL SYSTEM WATTAGE ² (W)	TYPICAL CURRENT @ 120 V (A)	TYPICAL CURRENT @ 208 V (A)	TYPICAL CURRENT @ 240 V (A)	TYPICAL CURRENT @ 277 V (A)	LED CURRENT (mA)	HID EQUIVALENT ³	LUMINAIRE EFFICACY RATING (LM/W)	BUG RATING
35W32LED4K-R-LE2F	3678	35	0.29	0.17	0.16	0.15	350	70-100	105.1	B1-U0-G1
35W32LED4K-R-LE3F	3859	35	0.29	0.17	0.16	0.15	350	70-100	110.2	B1-U0-G1
35W32LED4K-R-LE4F	3578	35	0.29	0.17	0.16	0.15	350	70-100	102.2	B1-U0-G1
35W32LED4K-R-LE5F	3552	35	0.29	0.17	0.16	0.15	350	70-100	101.5	B2-U0-G1
55W32LED4K-R-LE2F	5141	52	0.40	0.23	0.21	0.19	530	100-150	98.9	B1-U0-G1
55W32LED4K-R-LE3F	5404	52	0.40	0.23	0.21	0.19	530	100-150	103.9	B2-U0-G1
55W32LED4K-R-LE4F	5002	52	0.40	0.23	0.21	0.19	530	100-150	96.2	B1-U0-G1
55W32LED4K-R-LE5F	4966	52	0.40	0.23	0.21	0.19	530	100-150	95.5	B3-U0-G1
55W48LED4K-R-LE2F	5301	55	0.38	0.22	0.23	0.21	350	100-150	96.4	B1-U0-G1
55W48LED4K-R-LE3F	5566	55	0.38	0.22	0.23	0.21	350	100-150	101.2	B2-U0-G1
55W48LED4K-R-LE4F	5158	55	0.38	0.22	0.23	0.21	350	100-150	93.8	B1-U0-G1
55W48LED4K-R-LE5F	5120	55	0.38	0.22	0.23	0.21	350	100-150	93.1	B3-U0-G1
80W48LED4K-R-LE2F	7454	79	0.63	0.36	0.34	0.31	530	150-175	94.3	B2-U0-G1
80W48LED4K-R-LE3F	7833	79	0.63	0.36	0.34	0.31	530	150-175	99.2	B2-U0-G2
80W48LED4K-R-LE4F	7252	79	0.63	0.36	0.34	0.31	530	150-175	91.8	B2-U0-G2
80W48LED4K-R-LE5F	7200	79	0.63	0.36	0.34	0.31	530	150-175	91.1	B3-U0-G1
70W64LED4K-R-LE2F	7478	71	0.58	0.34	0.32	0.3	350	100-150	105.3	B2-U0-G1
70W64LED4K-R-LE3F	7849	71	0.58	0.34	0.32	0.3	350	100-150	110.6	B2-U0-G2
70W64LED4K-R-LE4F	7276	71	0.58	0.34	0.32	0.3	350	100-150	102.5	B2-U0-G2
70W64LED4K-R-LE5F	7223	71	0.58	0.34	0.32	0.3	350	100-150	101.7	B3-U0-G1
110W64LED4K-R-LE2F	10565	103	0.8	0.46	0.42	0.38	530	175-200	102.6	B2-U0-G2
110W64LED4K-R-LE3F	11097	103	0.8	0.46	0.42	0.38	530	175-200	107.7	B3-U0-G2
110W64LED4K-R-LE4F	10279	103	0.8	0.46	0.42	0.38	530	175-200	99.8	B2-U0-G2
110W64LED4K-R-LE5F	10206	103	0.8	0.46	0.42	0.38	530	175-200	99.1	B3-U0-G2
90W80LED4K-R-LE2F	9163	87	0.78	0.43	0.40	0.34	350	150-175	105.3	B2-U0-G2
90W80LED4K-R-LE3F	9626	87	0.78	0.43	0.40	0.34	350	150-175	110.6	B3-U0-G2
90W80LED4K-R-LE4F	8915	87	0.78	0.43	0.40	0.34	350	150-175	102.5	B2-U0-G2
90W80LED4K-R-LE5F	8851	87	0.78	0.43	0.40	0.34	350	150-175	101.7	B3-U0-G2
135W80LED4K-R-LE2F	12894	129	1.15	0.61	0.58	0.5	530	250-320	100.0	B3-U0-G2
135W80LED4K-R-LE3F	13544	129	1.15	0.61	0.58	0.5	530	250-320	105.0	B3-U0-G2
135W80LED4K-R-LE4F	12545	129	1.15	0.61	0.58	0.5	530	250-320	97.2	B3-U0-G2
135W80LED4K-R-LE5F	12454	129	1.15	0.61	0.58	0.5	530	250-320	96.5	B4-U0-G2

LED light engine technical information for RN20, RN30 WITH PRISMATIC GLOBE

LAMP	TYPICAL DELIVERED LUMENS	TYPICAL SYSTEM WATTAGE ² (W)	TYPICAL CURRENT @ 120 V (A)	TYPICAL CURRENT @ 208 V (A)	TYPICAL CURRENT @ 240 V (A)	TYPICAL CURRENT @ 277 V (A)	TYPICAL CURRENT @ 347 V (A)	TYPICAL CURRENT @ 480 V (A)	LED CURRENT (mA)	HID EQUIVALENT ³	LUMINAIRE EFFICACY RATING (LM/W)	BUG RATING
35W32LED4K-R-LE2R	3898	35	0.29	0.17	0.16	0.15	N/A	N/A	350	70-100	111.4	B1-U0-G1
35W32LED4K-R-LE3R	3816	35	0.29	0.17	0.16	0.15	N/A	N/A	350	70-100	109.0	B1-U0-G1
35W32LED4K-R-LE4R	3844	35	0.29	0.17	0.16	0.15	N/A	N/A	350	70-100	109.8	B1-U0-G1
35W32LED4K-R-LE5R	3867	35	0.29	0.17	0.16	0.15	N/A	N/A	350	70-100	110.5	B3-U0-G1
55W32LED4K-R-LE2R	5510	52	0.40	0.23	0.21	0.19	N/A	N/A	530	70-100	106.0	B1-U0-G1
55W32LED4K-R-LE3R	5388	52	0.40	0.23	0.21	0.19	N/A	N/A	530	70-100	103.6	B2-U0-G2
55W32LED4K-R-LE4R	5435	52	0.40	0.23	0.21	0.19	N/A	N/A	530	70-100	104.5	B1-U0-G2
55W32LED4K-R-LE5R	5467	52	0.40	0.23	0.21	0.19	N/A	N/A	530	70-100	105.1	B3-U0-G1
55W48LED4K-R-LE2R	5779	55	0.38	0.22	0.23	0.21	0.17	0.13	350	70-100	105.1	B2-U0-G2
55W48LED4K-R-LE3R	5588	55	0.38	0.22	0.23	0.21	0.17	0.13	350	70-100	101.6	B2-U0-G2
55W48LED4K-R-LE4R	5700	55	0.38	0.22	0.23	0.21	0.17	0.13	350	70-100	103.6	B1-U0-G2
55W48LED4K-R-LE5R	5733	55	0.38	0.22	0.23	0.21	0.17	0.13	350	70-100	104.2	B3-U0-G1
80W48LED4K-R-LE2R	8198	79	0.63	0.36	0.34	0.31	0.24	0.18	530	100-150	103.8	B2-U0-G2
80W48LED4K-R-LE3R	7863	79	0.63	0.36	0.34	0.31	0.24	0.18	530	100-150	99.5	B2-U0-G2
80W48LED4K-R-LE4R	8086	79	0.63	0.36	0.34	0.31	0.24	0.18	530	100-150	102.4	B2-U0-G2
80W48LED4K-R-LE5R	8133	79	0.63	0.36	0.34	0.31	0.24	0.18	530	100-150	102.9	B3-U0-G2
70W64LED4K-R-LE2R	7768	71	0.58	0.34	0.32	0.30	0.24	0.20	350	100-150	109.4	B2-U0-G2
70W64LED4K-R-LE3R	7722	71	0.58	0.34	0.32	0.30	0.24	0.20	350	100-150	108.8	B2-U0-G2
70W64LED4K-R-LE4R	7821	71	0.58	0.34	0.32	0.30	0.24	0.20	350	100-150	110.2	B2-U0-G2
70W64LED4K-R-LE5R	7867	71	0.58	0.34	0.32	0.30	0.24	0.20	350	100-150	110.8	B3-U0-G2
110W64LED4K-R-LE2R	10935	103	0.80	0.46	0.42	0.38	0.34	0.28	530	150-175	106.2	B3-U0-G3
110W64LED4K-R-LE3R	10798	103	0.80	0.46	0.42	0.38	0.34	0.28	530	150-175	104.8	B3-U0-G3
110W64LED4K-R-LE4R	10870	103	0.80	0.46	0.42	0.38	0.34	0.28	530	150-175	105.5	B2-U0-G2
110W64LED4K-R-LE5R	10933	103	0.80	0.46	0.42	0.38	0.34	0.28	530	150-175	106.1	B4-U0-G2
90W80LED4K-R-LE2R	9677	87	0.78	0.43	0.40	0.34	0.30	0.25	350	100-150	111.2	B2-U0-G2
90W80LED4K-R-LE3R	9429	87	0.78	0.43	0.40	0.34	0.30	0.25	350	100-150	108.4	B2-U0-G2
90W80LED4K-R-LE4R	9544	87	0.78	0.43	0.40	0.34	0.30	0.25	350	100-150	109.7	B2-U0-G2
90W80LED4K-R-LE5R	9600	87	0.78	0.43	0.40	0.34	0.30	0.25	350	100-150	110.3	B4-U0-G2
135W80LED4K-R-LE2R	13440	129	1.15	0.61	0.58	0.50	0.43	0.35	530	200-250	104.2	B3-U0-G3
135W80LED4K-R-LE3R	13061	129	1.15	0.61	0.58	0.50	0.43	0.35	530	200-250	101.2	B3-U0-G3
135W80LED4K-R-LE4R	13256	129	1.15	0.61	0.58	0.50	0.43	0.35	530	200-250	102.8	B3-U0-G3
135W80LED4K-R-LE5R	13333	129	1.15	0.61	0.58	0.50	0.43	0.35	530	200-250	103.4	B4-U0-G2

¹ L70 = 100,000 HRS (AT AMBIENT TEMPERATURE = 25°C AND FORWARD CURRENT = 700 MA)

² SYSTEM WATTAGE INCLUDES THE LAMP AND THE LED DRIVER.

³ EQUIVALENCE SHOULD ALWAYS BE CONFIRMED BY A PHOTOMETRIC LAYOUT.

NOTE : DUE TO RAPID AND CONTINUOUS ADVANCES IN LED TECHNOLOGY, LED LUMINAIRE DATA IS SUBJECT TO CHANGE WITHOUT NOTICE AND AT THE DISCRETION OF PHILIPS.

Philips Lumec reserves the right to substitute materials or change the manufacturing process of its products without prior notification.

For the latest updates go to WWW.PHILIPS.COM/LUMEC.

LAMPS / LED

LED = Philips Lumileds Luxeon R, CRI = 70, CCT = 4000K (+/- 350K)

System (LED + driver) Rated life = 100,000 hrs¹

LED light engine technical information for RN20, RN30 WITH SAG LENS

LAMP	TYPICAL DELIVERED LUMENS	TYPICAL SYSTEM WATTAGE ² (W)	TYPICAL CURRENT @ 120 V (A)	TYPICAL CURRENT @ 208 V (A)	TYPICAL CURRENT @ 240 V (A)	TYPICAL CURRENT @ 277 V (A)	LED CURRENT (mA)	HID EQUIVALENT ³	LUMINAIRE EFFICACY RATING (LM/W)	BUG RATING
35W32LED4K-R-LE2S	2867	35	0.29	0.17	0.16	0.15	350	70-100	81.9	B1-U1-G1
35W32LED4K-R-LE3S	3972	35	0.29	0.17	0.16	0.15	350	70-100	113.5	B1-U1-G1
35W32LED4K-R-LE4S	3691	35	0.29	0.17	0.16	0.15	350	70-100	105.5	B1-U1-G1
35W32LED4K-R-LE5S	3649	35	0.29	0.17	0.16	0.15	350	70-100	104.2	B2-U1-G1
55W32LED4K-R-LE2S	5232	52	0.40	0.23	0.21	0.19	530	100-150	100.6	B1-U1-G1
55W32LED4K-R-LE3S	5553	52	0.40	0.23	0.21	0.19	530	100-150	106.8	B2-U1-G1
55W32LED4K-R-LE4S	5160	52	0.40	0.23	0.21	0.19	530	100-150	99.2	B1-U1-G1
55W32LED4K-R-LE5S	5101	52	0.40	0.23	0.21	0.19	530	100-150	98.1	B3-U1-G1
55W48LED4K-R-LE2S	5395	55	0.38	0.22	0.23	0.21	350	100-150	98.1	B1-U1-G1
55W48LED4K-R-LE3S	5726	55	0.38	0.22	0.23	0.21	350	100-150	104.1	B2-U1-G1
55W48LED4K-R-LE4S	5320	55	0.38	0.22	0.23	0.21	350	100-150	96.7	B1-U1-G2
55W48LED4K-R-LE5S	5259	55	0.38	0.22	0.23	0.21	350	100-150	95.6	B3-U1-G1
80W48LED4K-R-LE2S	7585	79	0.63	0.36	0.34	0.31	530	150-175	96.0	B2-U1-G1
80W48LED4K-R-LE3S	8051	79	0.63	0.36	0.34	0.31	530	150-175	101.9	B2-U1-G2
80W48LED4K-R-LE4S	7481	79	0.63	0.36	0.34	0.31	530	150-175	94.7	B2-U1-G2
80W48LED4K-R-LE5S	7395	79	0.63	0.36	0.34	0.31	530	150-175	93.6	B3-U1-G2
70W64LED4K-R-LE2S	7611	71	0.58	0.34	0.32	0.3	350	100-150	107.2	B2-U1-G1
70W64LED4K-R-LE3S	8077	71	0.58	0.34	0.32	0.3	350	100-150	113.8	B2-U1-G2
70W64LED4K-R-LE4S	7505	71	0.58	0.34	0.32	0.3	350	100-150	105.7	B2-U1-G2
70W64LED4K-R-LE5S	7419	71	0.58	0.34	0.32	0.3	350	100-150	104.5	B3-U1-G2
110W64LED4K-R-LE2S	10752	103	0.8	0.46	0.42	0.38	530	175-200	104.4	B2-U1-G2
110W64LED4K-R-LE3S	11412	103	0.8	0.46	0.42	0.38	530	175-200	110.8	B3-U1-G2
110W64LED4K-R-LE4S	10604	103	0.8	0.46	0.42	0.38	530	175-200	103.0	B2-U1-G2
110W64LED4K-R-LE5S	10482	103	0.8	0.46	0.42	0.38	530	175-200	101.8	B4-U1-G2
90W80LED4K-R-LE2S	9325	87	0.78	0.43	0.40	0.34	350	150-175	107.2	B2-U1-G2
90W80LED4K-R-LE3S	9897	87	0.78	0.43	0.40	0.34	350	150-175	113.8	B3-U1-G2
90W80LED4K-R-LE4S	9197	87	0.78	0.43	0.40	0.34	350	150-175	105.7	B2-U1-G2
90W80LED4K-R-LE5S	9091	87	0.78	0.43	0.40	0.34	350	150-175	104.5	B3-U1-G2
135W80LED4K-R-LE2S	13122	129	1.15	0.61	0.58	0.5	530	250-320	101.7	B3-U1-G2
135W80LED4K-R-LE3S	13927	129	1.15	0.61	0.58	0.5	530	250-320	108.0	B3-U1-G3
135W80LED4K-R-LE4S	12941	129	1.15	0.61	0.58	0.5	530	250-320	100.3	B3-U2-G2
135W80LED4K-R-LE5S	12792	129	1.15	0.61	0.58	0.5	530	250-320	99.2	B4-U2-G2

¹ L70 = 100,000 HRS (AT AMBIENT TEMPERATURE = 25°C AND FORWARD CURRENT = 700 MA)

² SYSTEM WATTAGE INCLUDES THE LAMP AND THE LED DRIVER.

³ EQUIVALENCE SHOULD ALWAYS BE CONFIRMED BY A PHOTOMETRIC LAYOUT.

NOTE : DUE TO RAPID AND CONTINUOUS ADVANCES IN LED TECHNOLOGY, LED LUMINAIRE DATA IS SUBJECT TO CHANGE WITHOUT NOTICE AND AT THE DISCRETION OF PHILIPS.

OPTICAL SYSTEMS / LED

VOLTAGE



Flat lens

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass flat lens permanently sealed onto the lower part of the heat sink.

LE2F: Asymmetrical
LE3F: Asymmetrical
LE4F: Asymmetrical
LE5F: Symmetrical (square)

> House shield available in option (HS)

120 / 208 / 240 / 277 / 347 / 480

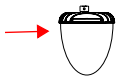


Sag lens

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass sag lens permanently sealed onto the lower part of the heat sink.

LE2S: Asymmetrical
LE3S: Asymmetrical
LE4S: Asymmetrical
LE5S: Symmetrical (square)

> House shield available in option (HS)



Prismatic globe

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with globe having an inner prismatic surface permanently sealed onto the lower part of the heat sink.

LE2R: Asymmetrical
LE3R: Asymmetrical
LE4R: Asymmetrical

> LESR: SYMMETRICAL available in acrylic and borosilicate.
> House shield available in option (HS)

Add suffix ACDR or GL to optical system code.

* Photometry available on Philips Lumec's web site www.philips.com/lumec.

LAMPS / HID

WATTAGE	RN20 / RN30			RNS20 / RNS30		
	THA3-GL THB3-GL	THA3-ACDR THB3-ACDR	THB3-ACDR	THC3-ACDR TSC3-ACDR	THC3-GL TSC3-GL	
50 MH, medium	✓	✓	✓	✓	✓	
70 MH, medium	✓	✓	✓	✓	✓	
100 MH, medium	✓	✓	✓	✓	✓	
150 MH, medium	✓	✓	✓	✓	✓	
175 MH, mogul	✓	✓	✓	✓	✓	
200 MH, mogul	✓	✓	✓	RB	RB	
250 MH, mogul	✓	✓	N/A	N/A	RB	
400 MH, mogul	✓	N/A	N/A	N/A	N/A	
50 HPS, mogul	✓	✓	✓	✓	✓	
70 HPS, mogul	✓	✓	✓	✓	✓	
100 HPS, mogul	✓	✓	✓	✓	✓	
150 HPS, mogul	✓	✓	✓	✓	✓	
200 HPS, mogul	✓	✓	✓	N/A	RB	
250 HPS, mogul	✓	✓	N/A	N/A	RB	
400 HPS, mogul	✓	N/A	N/A	N/A	N/A	

✓ : Available N/A : Not available RB : Remote Ballast Required

OPTICAL SYSTEMS / HID

(Lamps not included)



THA optics (RN20/RN30)
Sealed optical chamber consisting of a reflector permanently assembled of top of an internal prismatic globe.
Horizontal lamp.

THA3: Asymetrical
> House shield available in option (HS)



THB optics (RN20/RN30)
Sealed optical chamber consisting of a reflector permanently assembled of top of an internal prismatic globe.
Vertical lamp.

THB3: Asymetrical
> House shield available in option (HS)



THC/TSC optics (RNS20/RNS30)
Optical system with an identical structure as the THB with a vertical reflector.
Made for lower mounting heights.

THC3: Asymetrical
TSC3: Asymetrical
> House shield available in option (HS)

In the above optics, the sleeve and shutter permit exact positioning of the lamp.

THA & THB refrators available in:

ACDR : Acrylique (MAX.250 W: THA, 200 W: THB) **GL** : Borosilicate glass
Add suffix to optical system code.

* Photometry available on Philips Lumec web site www.philips.com/lumec.

VOLTAGE

120 / 208 / 240 / 277 / 347 / 480

> Multi-top ballast also available.

LUMINAIRE OPTIONS

- FS** Fusing
- HS** House shield
- PH7** Button-type photoelectric cell
- PH8** Quarter-turn photoelectric cell
(Complete with decorative cover and finial. Available with SMA option only)
- **CR1** Decorative crown #1
- DC1** 4 decorative hooks
- DE1** Decorative deflector

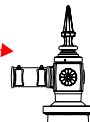
ADAPTORS



MA1
The luminaire is suspended by means of a mounting adaptor with a 1 1/4" (32mm) npt threaded hole accepting a threaded tube from the mounting. (retrofit adaptor for existing mounting)



MA2
1 1/2" (38mm) npt threaded hole accepting a threaded tube from the mounting. (retrofit adaptor for existing mounting)



SMA
The luminaire is suspended by means of a decorative side-mounting cast-aluminum adaptor. This adaptor accepts tubes from 1 5/8" to 2 3/8" (41 to 60 mm) and is adjustable to more or less than 5°. The adaptor features a cast-aluminum decorative cover and finial.

SMART LUMINAIRE OPTIONS

Renaissance allows you many options in order to get different smart functionalities.

DMG (available with LifeLED and LEDgine*)

Driver is compatible with dimmer from 0 to 10 volts.

CDMG (available with LifeLED and LEDgine*)

Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings. (see Dynadimmer brochure for more information on pre-programmed scenarios)

CDMGP (available with LifeLED and LEDgine*)

Dynadimmer custom dimming scenario allowing the user to program up to 5 time periods and multiple dimming levels from 100% to 10% of total wattage.

OVR (available with LEDgine* only)

Dynadimmer override function offering the possibility to go back to full power at any time via an electrical signal of 120VAC to 277VAC from a motion sensor, a switch, a relay or else.

CLO (available with LEDgine* only)

Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the lamp.

AST (available with LEDgine* only)

Pre-set driver for progressive start-up of the lamp to optimize energy management and enhance user visual comfort at start-up.

OTL (available with LEDgine* only)

Pre-set driver to signal end of life of the lamp for better fixture management.

DALI (available with LEDgine* only)

Pre-set driver compatible with the DALI control system.

* Not available with 347 and 480 volt.

SMART SYSTEM OPTIONS

Different options are available according to your needs. Please contact us for more information.

SMART CITY OPTIONS

AMPLIGHT (available with LEDgine* only)

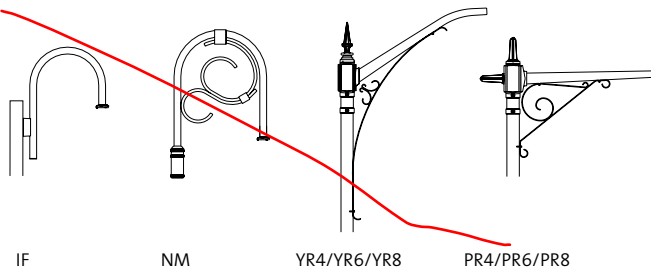
Amplight is the intelligent monitoring and control, automated management system that delivers up to 35% streetlight energy savings and makes it easy to monitor and manage the entire system, in real time. Please contact us for more information.

* Not available with 347 and 480 volt.

Other options are also available according to your needs. Please contact us for more information.

MOUNTINGS

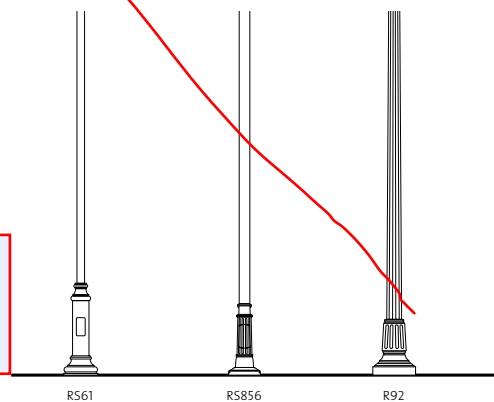
(Consult the Pole and bracket Guide for details and the complete line of mountings)



See Mast Arm and Pole Spec Sheets

POLES AND POLE OPTIONS

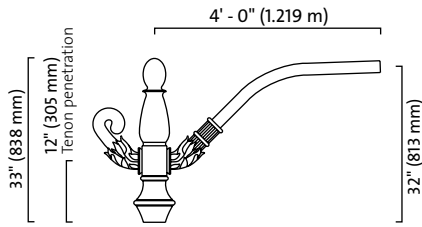
(Consult the Pole and bracket Guide for details and the complete line of poles)



CRM4 / CRM6 / CRM8 > EXTENDED REACH BRACKETS

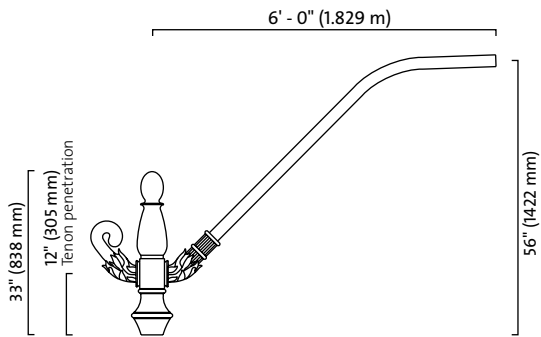
CRM4

EPA: 3.00 sq.ft. Weight: 31.0 lbs. (14.1 kg)



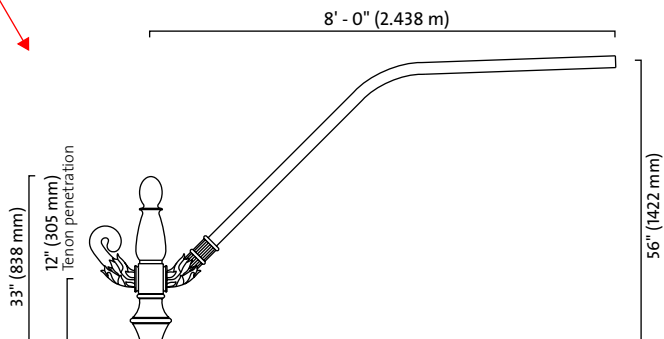
CRM6

EPA: 3.33 sq.ft. Weight: 37.0 lbs. (16.8 kg)



CRM8

EPA: 3.73 sq.ft. Weight: 42.0 lbs. (19.1 kg)



Specifications:

The CRM4 / CRM6 / CRM8 mounting arms feature a 2 3/8" O.D. (60 mm) double-bend steel tube welded to a steel adaptor.

The mounting arms assemblies include cast-aluminum decorative elements. The pole-top adaptor slip-fits 10 3/8" (264 mm) over a 2 7/8" (73 mm) O.D. tenon.

Configurations

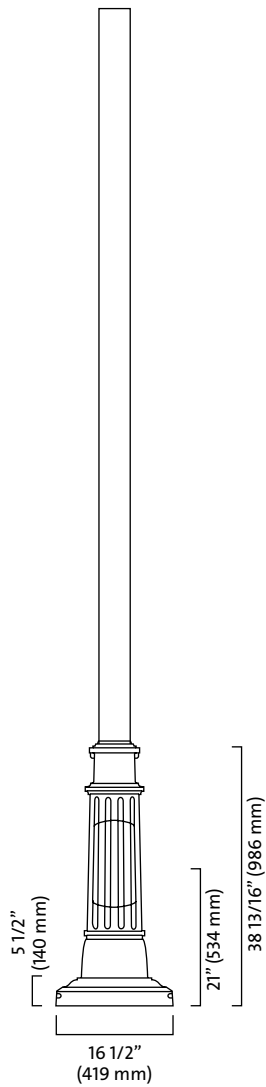


1A

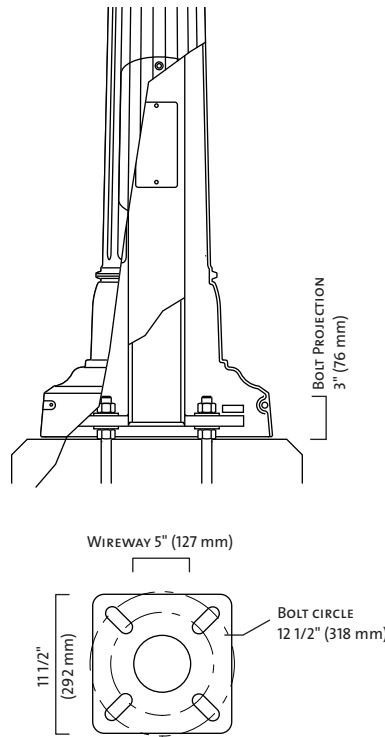
2

4





Base details



Comes with 4 anchor bolts,
8 nuts and 8 washers.
B.C. from: 8 1/2" to 13" (216 to 330 mm)

Specifications:

Pole: made from a one-piece, seamless 5 9/16" round (141 mm) tube of extruded aluminum welded to both the top and bottom of a cast-aluminum anchor plate.

A 2" by 4 1/2" (51 by 114 mm) maintenance opening is complete with cover and copper ground lug.

Base cover: decorative base cover made from two cast-aluminum pieces fastened together with stainless steel hardware around the base of the pole. Base cover is complete with a door to access the maintenance opening.

Finish: See page 142 for Finish details.

Options:

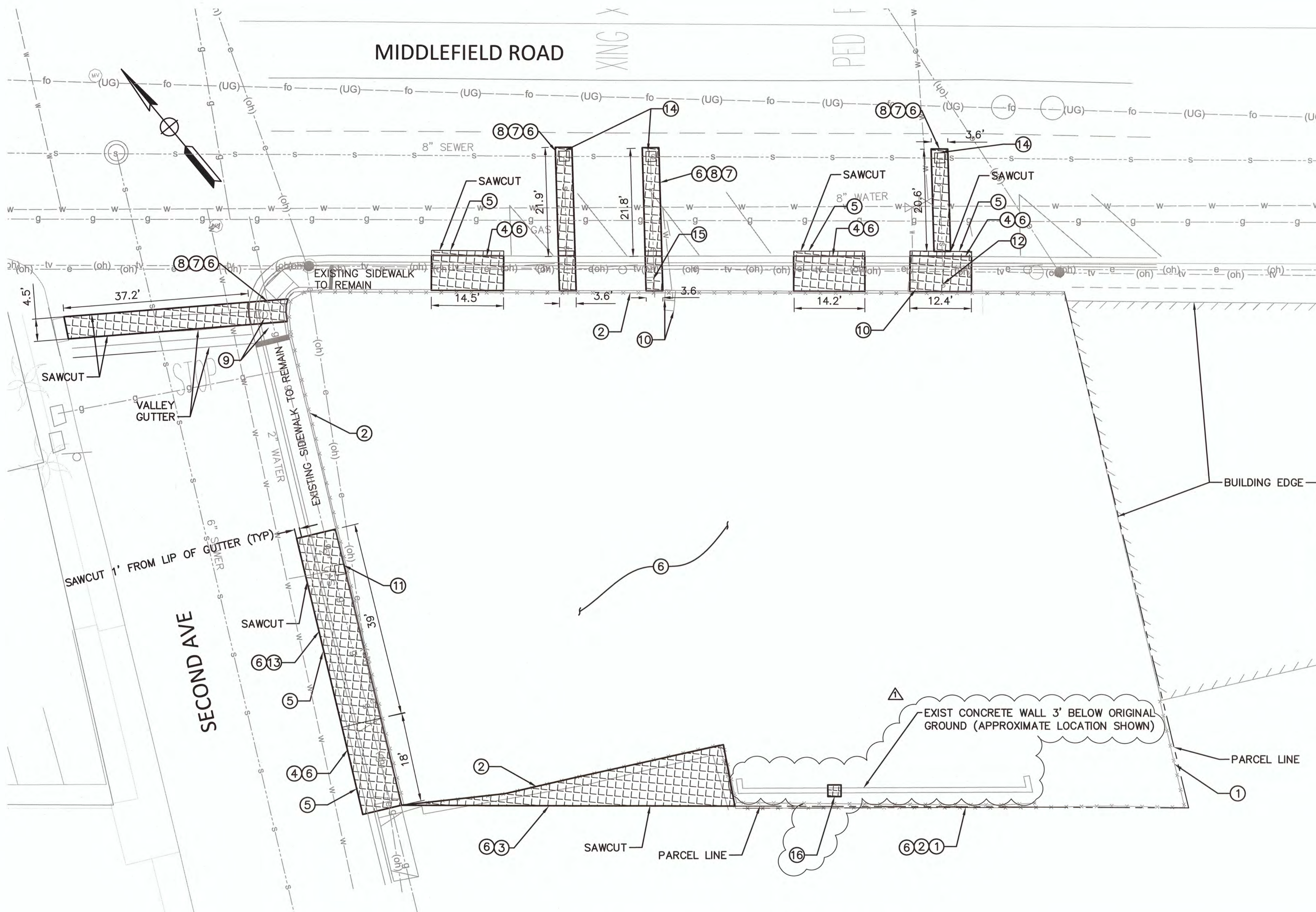
- DE:** Pole base buried 5' (1524 mm) in the ground (see details on page 133).
- LS:** Provision for loudspeaker outlet (see page 132)
- PH7:** Button-type photoelectric cell (specify operating voltage)
- PH8:** Quarter-turn type photoelectric cell (specify operating voltage)
- DR:** Duplex receptacle (120V line voltage, only)
- GFI:** DR with common ground fault interrupter (120V line voltage only)
- BA:** Banner arm (see page 136)
- PS:** Plant support (see page 137)
- MPL:** Mid-pole luminaire

Note: The recommended method for calculating EPA (Effective Projected Area) is in accordance with AASHTO 2001 standards: for three seconds, the pole is tested in wind gusts equivalent to the strongest winds on record over the past 50 years, and with a 50 pound load (22.7 kg) placed at 1 foot (305 mm) above its center.

CATALOG NUMBER	NOMINAL HEIGHT		TENON SECTION		WALL THICKNESS		WEIGHT		EPA RATING				ANCHOR BOLTS	
	ft	m	in	mm	in	mm	lbs	kg	90 MPH	110 MPH	120 MPH	150 MPH	in	mm
RS856V-12	12	3.66	5 9/16	141	0.250	6.4	218	99	30	30	30	25.12	1-36	25-914
RS856V-14	14	4.27	5 9/16	141	0.250	6.4	247	112	30	30	30	21.14	1-36	25-914
RS856V-16	16	4.88	5 9/16	141	0.250	6.4	277	126	30	30	28.11	18.12	1-36	25-914
RS856V-18	18	5.49	5 9/16	141	0.250	6.4	306	139	30	28.05	23.72	15.22	1-36	25-914
RS856V-20	20	6.10	5 9/16	141	0.250	6.4	335	152	30	23.87	20.14	12.89	1-36	25-914
RS856V-22	22	6.71	5 9/16	141	0.250	6.4	364	165	29.95	20.41	17.19	10.94	1-36	25-914
RS856V-24	24	7.32	5 9/16	141	0.250	6.4	394	179	25.74	17.48	14.69	9.3	1-36	25-914
RS856V-26	26	7.92	5 9/16	141	0.250	6.4	423	192	22.13	14.96	12.55	7.86	1-36	25-914
RS856V-28	28	8.53	5 9/16	141	0.250	6.4	452	205	19.03	12.76	10.66	6.61	1-36	25-914
RS856V-30	30	9.14	5 9/16	141	0.250	6.4	481	218	16.25	10.83	8.99	5.49	1-36	25-914



APPROVED: *[Signature]*
 DATE: 4-26-17
 JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
 R. C. E. # 48056 / EXPIRES 12-31-2017



LEGEND

▨ DEMO AREA

GENERAL NOTES:

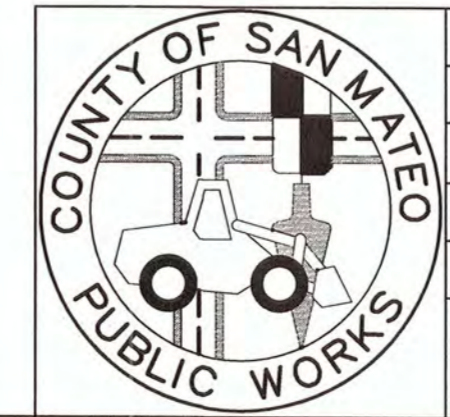
1. EXACT LIMITS OF REMOVAL TO BE DETERMINED BY THE ENGINEER.
2. MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES.
3. PROTECT UTILITIES IN PLACE UNLESS OTHERWISE SHOWN.

NOTES:

- ① REMOVE WOOD FENCE AND LANDSCAPING (126 LF)
- ② REMOVE CHAIN LINK FENCE (368 LF)
- ③ REMOVE CONCRETE PAVEMENT UP TO 12" DEEP. SAWCUT EDGE AT PARCEL LINE (364 SQFT)
- ④ REMOVE CONCRETE DRIVEWAY (297 SQFT) AND CURB AND GUTTER (59 LF) TO NEAREST JOINT (Typ).
- ⑤ REMOVE TOP 6" OF AC PAVEMENT. (98 SQFT)
- ⑥ REMOVE ANY LANDSCAPING, ABANDONED IRRIGATION LINES OR ABANDONED UTILITIES ENCOUNTERED UNLESS CALLED OUT TO BE PROTECTED IN PLACE.
- ⑦ REMOVE AC PAVEMENT, (398.5 SQFT)
- ⑧ REMOVE CURB AND GUTTER (11.7 LF), PORTION OF CURB RAMP/SIDEWALK (68 SQFT), RETAINING CURB (4.3 LF). PROVIDE TRENCH AS PER DETAIL 1 ON SHEET 11.
- ⑨ TEMPORARILY RELOCATE "STOP" SIGN. (1 TOTAL)
- ⑩ REMOVE WATER METER BOX. (3 TOTAL)
- ⑪ PROTECT WATER METER BOX AND WATER LINE IN PLACE.
- ⑫ REMOVE SEWER CLEANOUT. (1 TOTAL)
- ⑬ REMOVE CONCRETE SIDEWALK (195 SQFT) AND CURB AND GUTTER (39 LF) TO NEAREST JOINT.
- ⑭ REMOVE SANITARY SEWER LATERAL. (105 LF). SEE DETAIL 5 ON SHEET 10.
- ⑮ PROTECT PULL BOX IN PLACE.
- ⑯ REMOVE PORTION OF BURIED FOUNDATION WALL TO 5' BELOW FINISHED GRADE AT NEW SOUTHERLY LIGHT POLE LOCATION. BACKFILL WITH NATIVE MATERIAL TO 90% COMPACTION PRIOR TO DRILLING FOR POLE FOUNDATION.

MIDDLEFIELD Rd LOT DEMO PLAN
 SCALE: 1" = 10'

APPROVED DATE: *[Signature]*
 QUINCY ENGINEERING
 MICHELE JOHNSON
 R.C.E. # C69116 / EXPIRES 06-30-2018



DESIGNED BY: SN	MIDDLEFIELD PARKING AT SECOND AVE	SCALE: AS SHOWN
CHECKED BY: MJ	PARKING LOT	DATE: 04-07-2017
DRAWN BY: SN	DEMOLITION PLAN	FILE NO.: 1/4956
REVISION: <i>[Symbol]</i>	DATE: 04-21-17	JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
0 1 2 3 4		2 (rev) SHEET 2 OF 19

FILENAME: \\CCO_Client\San Mateo County\Task Order 2 - Middlefield Road Parking Lot Design\500-Design\505 - Middlefield Road Parking Lot Design\505 - CADD Files\Sheets\Middlefield Sheets\S82-101-Demo Plan Sheets.dwg



APPROVED:

DATE: 4-26-17

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2017

MIDDLEFIELD ROAD

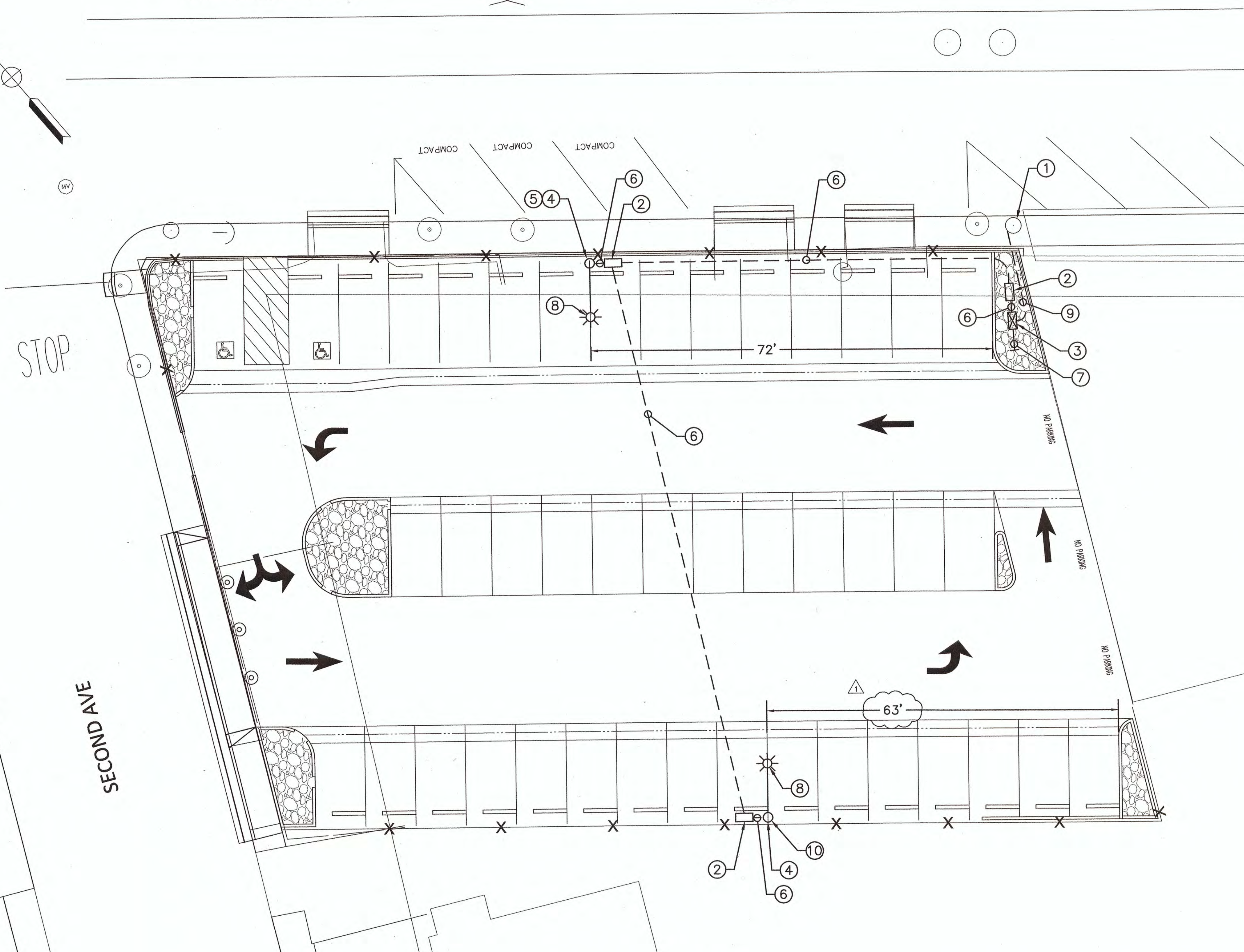
XING XING

PED PED

LIGHTING NOTES:

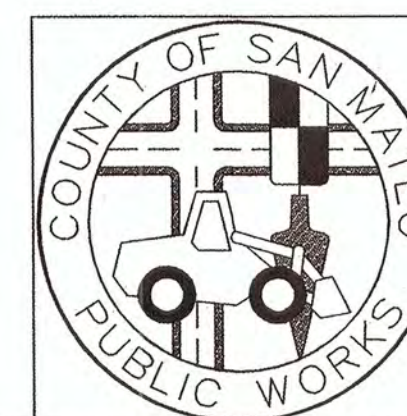
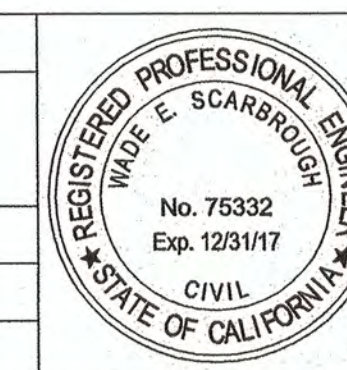
- ① EXISTING UTILITY POLE AND SERVICE RISER BY PG&E.
- ② PROVIDE AND INSTALL NO. 3-1/2 PULL BOX PER COUNTY STANDARD E-1.
- ③ PROVIDE 100-AMP MSS PEDESTAL PER PG&E REQUIREMENTS.
- ④ PROVIDE AND INSTALL 22' STREET LIGHT POLE WITH 8' MAST ARM, BANNER BRACKETS, AND FOUNDATION.
POLE: Lumec RS856-22-DE-BA *
MAST ARM: Lumec CRM8 *
FOUNDATION: County Standard E1, modified, 7.5' deep, 5' below ground
- ⑤ PROVIDE DLL ELITE PHOTO ELECTRIC CELL OR APPROVED EQUAL PER COUNTY STANDARD E-2.
- ⑥ PROVIDE 2 INCH CONDUIT WITH (2) #10 CONDUCTORS (1) #10 BARE BOND
- ⑦ PROVIDE 2 INCH CONDUIT STUB-OUT FOR CHARGING STATION.
- ⑧ PROVIDE LUMEC RENAISSANCE RN20 55W LED LUMINAIRE WITH SMA.
Model No: RN20-240-SMA-CR1-CRM81A. *
SOUTH POLE TO HAVE HOUSE SHIELD.
- ⑨ PROVIDE 3 INCH CONDUIT WITH POLY PULL LINE.
- ⑩ REMOVE PORTION OF BURIED FOUNDATION WALL, AS NEEDED TO CONSTRUCT LIGHT POLE FOUNDATION. SEE DEMOLITION PLAN.

* OR APPROVED EQUAL.
IF ALTERNATE LIGHTING EQUIPMENT IS PROPOSED, CONTRACTOR SHALL SUBMIT PRODUCT INFORMATION AND PROFESSIONAL ENGINEER STAMPED PHOTOMETRIC CALCULATIONS INDICATING EQUIVALENT LIGHT LEVELS WILL BE ACHIEVED.



LIGHTING PLAN
SCALE: 1"=10'

APPROVED DATE: 4/25/17
Waide Scarbrough
KITTELSON & ASSOCIATES, INC
WAIDE SCARBROUGH
R.C.E. # 75332 / EXPIRES 12-31-2017



DESIGNED BY: TMR	4/21/2017	MIDDLEFIELD ROAD AT SECOND AVE PARKING LOT LIGHTING PLAN	SCALE: 1:10
CHECKED BY: JAS			DATE: 4-21-2017
DRAWN BY: TMR			FILE NO.: 1/4956
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE		
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4	
		18 (rev) SHEET 18 OF 19	

FILENAME: K:\V\TUCSON\PROFILE\20854 - MIDDLEFIELD PARKING LOT LIGHTING DESIGN\CD\582-101-LIGHTING SHEET_CTB.DWG (0-SIZE)



APPROVED:

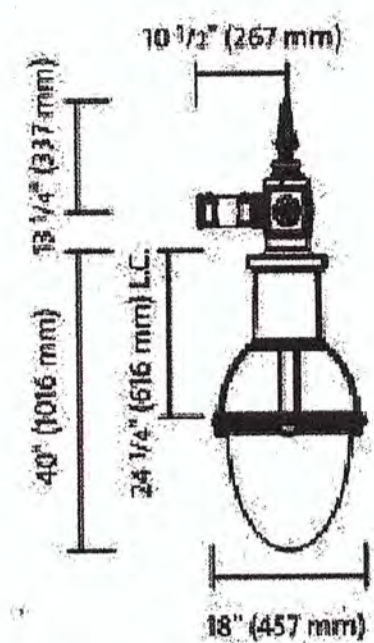
DATE: 4-26-17

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2017

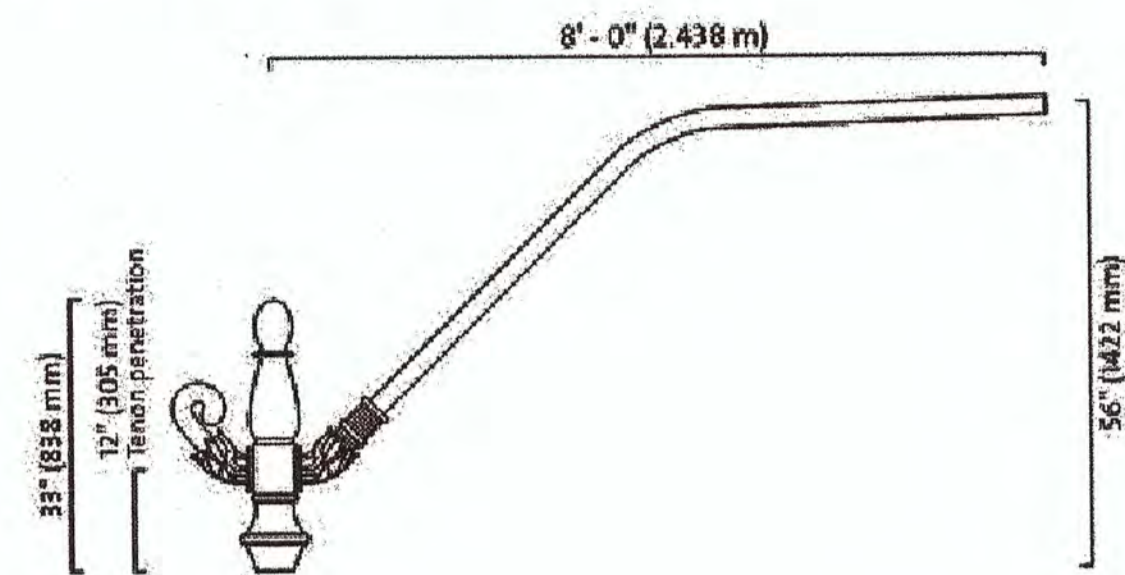
CRM4 / CRM6 / CRM8 > EXTENDED REACH BRACKETS

CRM8

EPA: 3.73 sq.ft. Weight: 42.0 lbs. (19.1 kg)



LUMINAIRE DETAIL *



MAST ARM DETAIL *

Specifications:

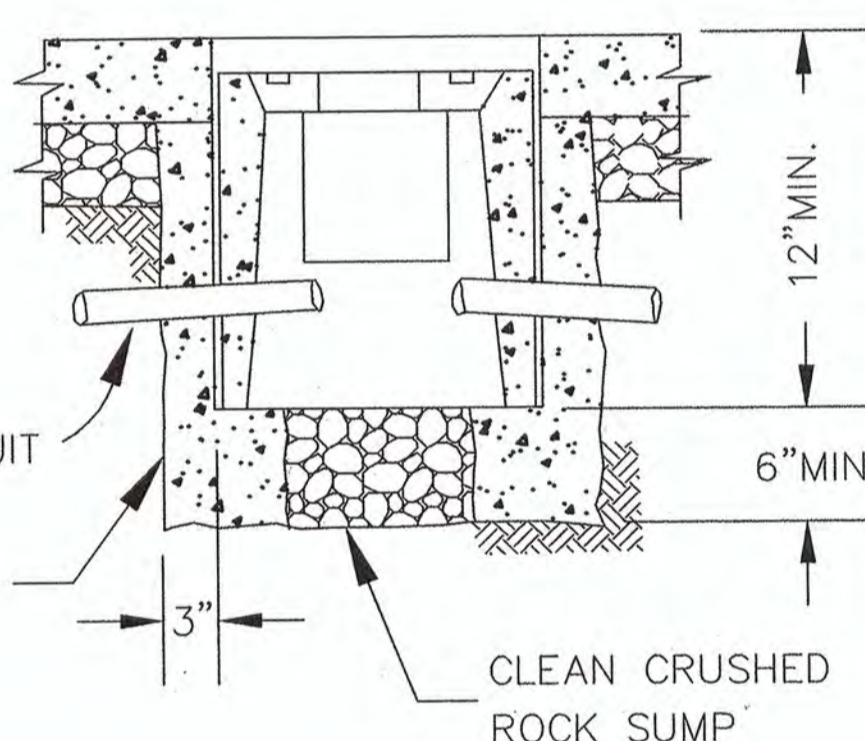
The CRM4 / CRM6 / CRM8 mounting arms feature a 2 3/8" O.D. (60 mm) double-bend steel tube welded to a steel adaptor.

The mounting arms assemblies include cast-aluminum decorative elements. The pole-top adaptor slip-fits 10 3/8" (264 mm) over a 2 7/8" (73 mm) O.D. tenon.

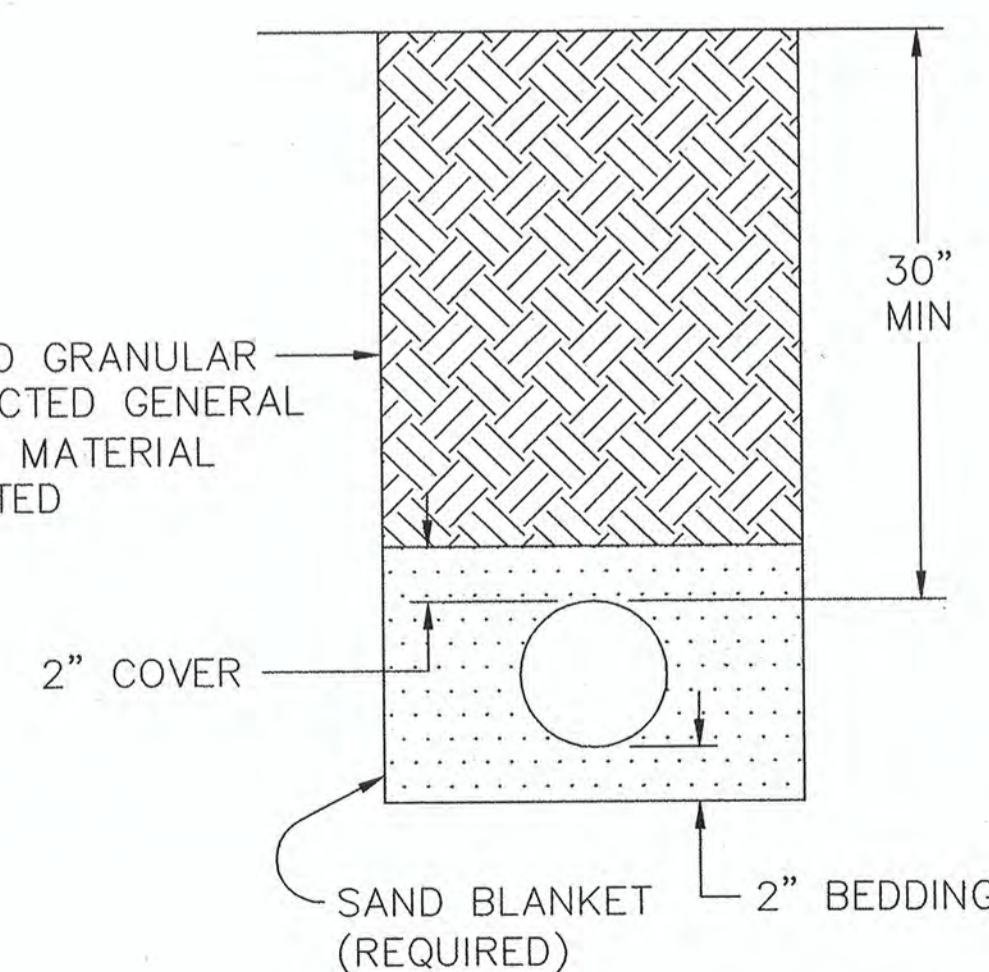
Configurations:

1A 2 4

* OR APPROVED EQUAL.
IF ALTERNATE LIGHTING EQUIPMENT IS PROPOSED,
CONTRACTOR SHALL SUBMIT PRODUCT
INFORMATION AND PROFESSIONAL ENGINEER
STAMPED PHOTOMETRIC CALCULATIONS INDICATING
EQUIVALENT LIGHT LEVELS WILL BE ACHIEVED.

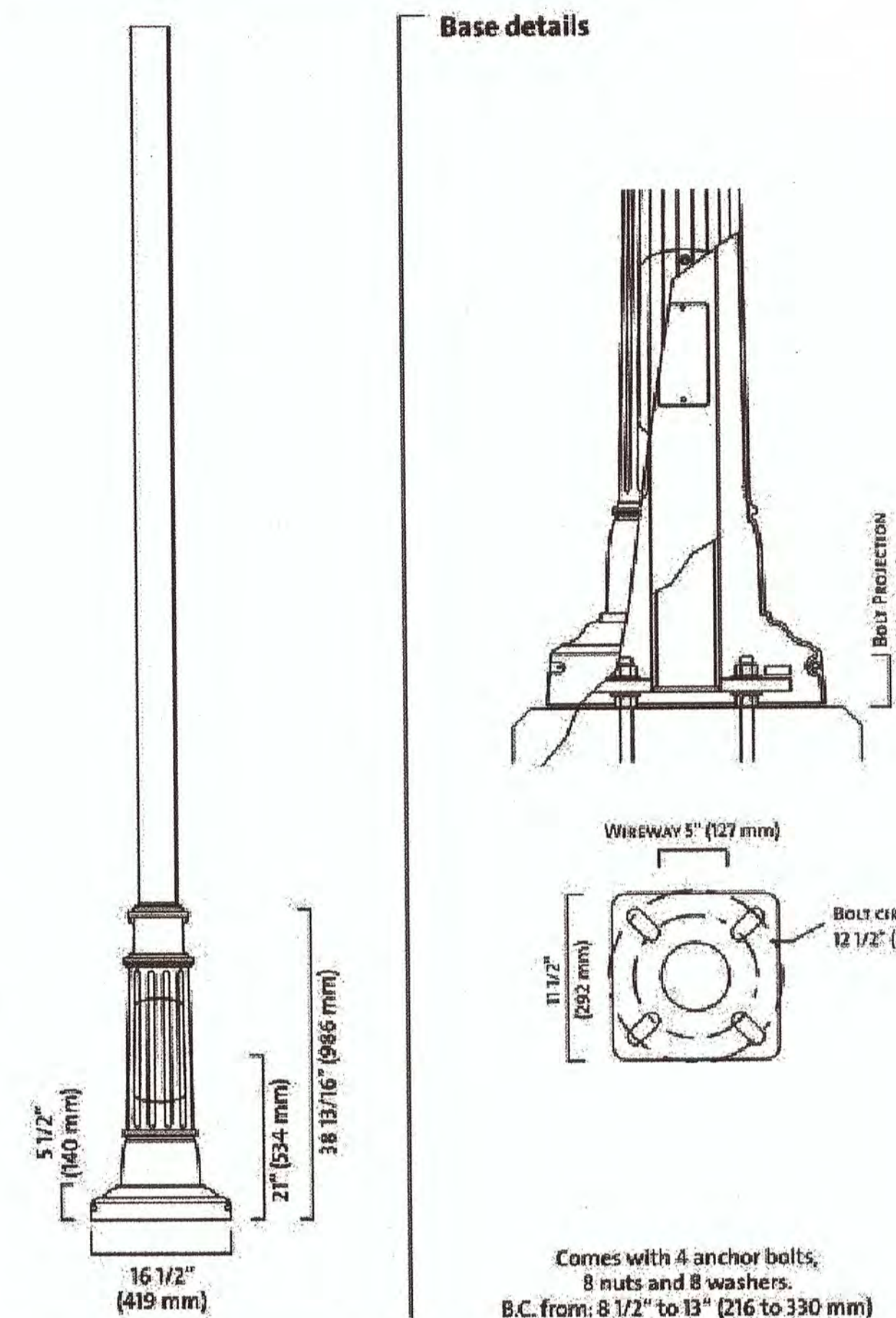


NO. 3-1/2 STATE STANDARD
(‘CAL TRANS’) PULL BOX



TYPICAL TRENCH DETAIL

ROUND TRADITIONAL STEEL POLE > RS856



Comes with 4 anchor bolts,
8 nuts and 8 washers.
B.C. from: 8 1/2" to 13" (216 to 330 mm)

POLE DETAIL *

Specifications:

Pole: made from a one-piece, seamless 5/16" round (141 mm) tube of extruded aluminum welded to both the top and bottom of a cast-aluminum anchor plate.

A 2" by 4 1/2" (51 by 114 mm) maintenance opening is complete with cover and copper ground lug.

Base cover: decorative base cover made from two cast-aluminum pieces fastened together with stainless steel hardware around the base of the pole. Base cover is complete with a door to access the maintenance opening.

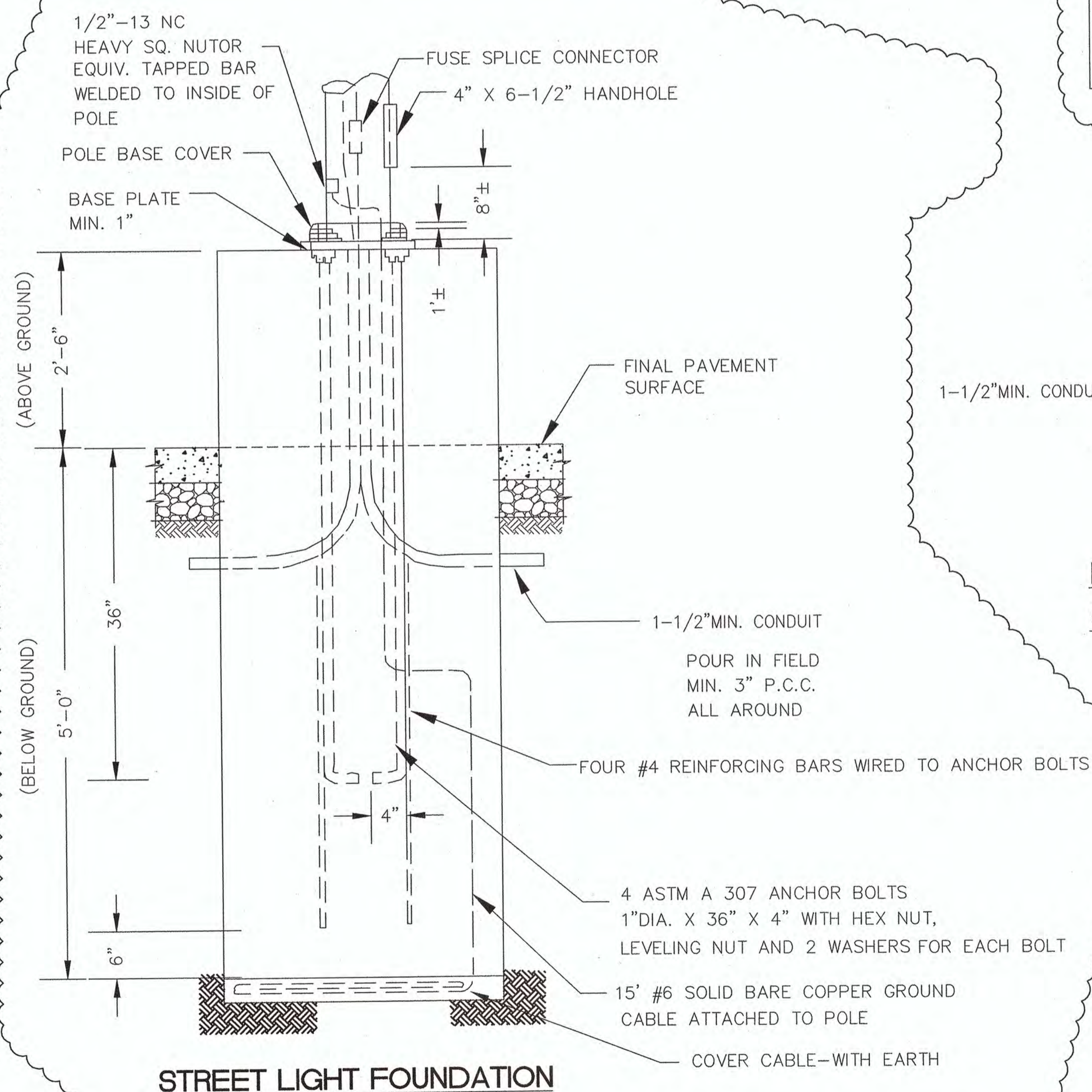
Finish: See page 142 for Finish details.

Options:

- DE: Pole base buried 5' (1524 mm) in the ground (see details on page 133).
- LS: Provision for loudspeaker outlet (see page 132).
- PH7: Button-type photoelectric cell (specify operating voltage).
- PH8: Quarter-turn type photoelectric cell (specify operating voltage).
- DR: Duplex receptacle (120V line voltage only).
- GFI: DR with common ground fault interrupter (120V line voltage only).
- BA: Banner arm (see page 136).
- PS: Plant support (see page 137).
- MPL: Mid-pole luminaire.

Note: The recommended method for calculating EPA (Effective Projected Area) is in accordance with AASHTO 2001 standards: for three seconds, the pole is tested in wind gusts equivalent to the strongest winds on record over the past 50 years, and with a 50 pound load (22.7 kg) placed at 1 foot (305 mm) above its center.

CATALOG NUMBER	NOMINAL HEIGHT		TENON SECTION	WALL THICKNESS		WEIGHT	EPA RATING				ANCHOR BOLTS			
	ft	m		in	mm		in	mm	90 MPH	110 MPH	120 MPH	150 MPH	in	mm
RS856V-12	12	3.66	5/9/16	141	0.250	6.4	218	99	30	30	30	25.12	1-3/8	25-914
RS856V-14	14	4.27	5/9/16	141	0.250	6.4	247	112	30	30	30	21.14	1-3/8	25-914
RS856V-16	16	4.88	5/9/16	141	0.250	6.4	277	126	30	30	28.11	18.12	1-3/8	25-914
RS856V-18	18	5.49	5/9/16	141	0.250	6.4	306	139	30	28.05	23.72	15.22	1-3/8	25-914
RS856V-20	20	6.10	5/9/16	141	0.250	6.4	335	152	30	23.87	20.14	12.89	1-3/8	25-914
RS856V-22	22	6.71	5/9/16	141	0.250	6.4	364	165	29.95	20.41	17.19	10.94	1-3/8	25-914
RS856V-24	24	7.32	5/9/16	141	0.250	6.4	394	179	25.74	17.48	14.69	9.3	1-3/8	25-914
RS856V-26	26	7.92	5/9/16	141	0.250	6.4	423	192	22.13	14.96	12.55	7.86	1-3/8	25-914
RS856V-28	28	8.53	5/9/16	141	0.250	6.4	452	205	19.03	12.76	10.66	6.61	1-3/8	25-914
RS856V-30	30	9.14	5/9/16	141	0.250	6.4	481	218	16.25	10.83	8.99	5.49	1-3/8	25-914



STREET LIGHT FOUNDATION

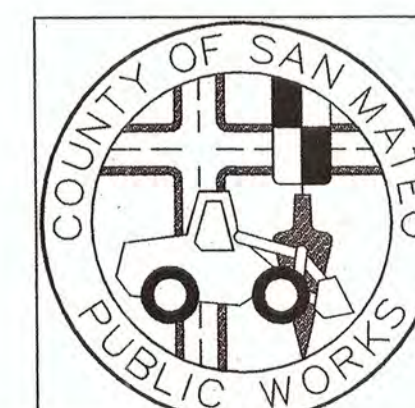
COUNTY LIGHTING STANDARD

E-1 (MODIFIED)

APPROVED DATE: 4/25/17

Wade Scarbrough

KITTELSON & ASSOCIATES, INC.
WADE SCARBROUGH
R.C.E. # 75332 / EXPIRES 12-31-2017



DESIGNED BY: TMR	DATE: 4/21/2017	MIDDLEFIELD ROAD AT SECOND AVENUE PARKING LOT DESIGN LIGHTING PLAN	SCALE: 1:10
CHECKED BY: JAS			DATE: 4-21-2017
DRAWN BY: TMR			FILE NO.: 1/4956
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	19 (rev) SHEET 19 OF 19

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

FILENAME: K:\V-TUGSON\PROFILE\20554 - MIDDLEFIELD PARKING LOT LIGHTING DESIGN_CD\S2-101-LIGHTING SHEET_CTB.DWG (DETAILS)