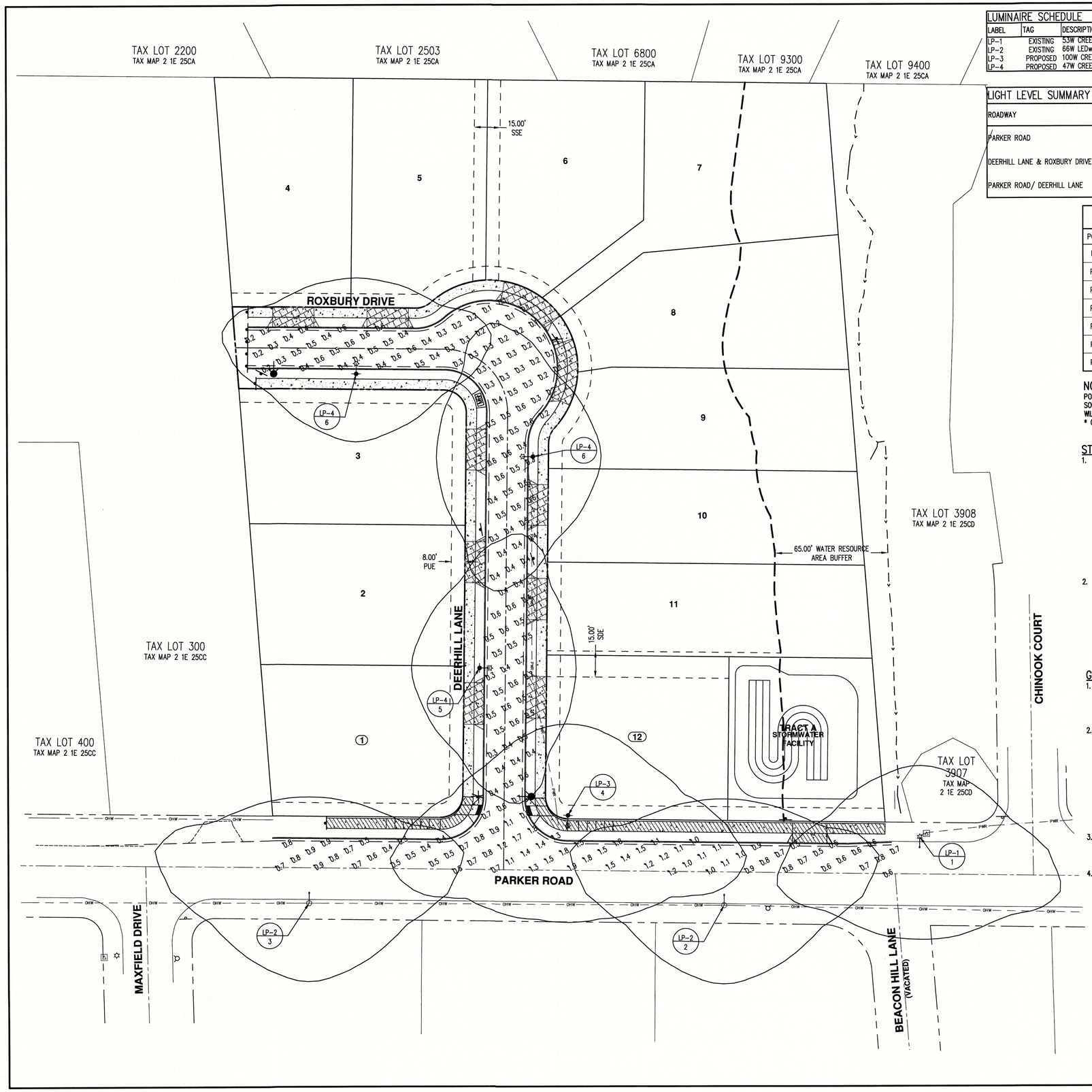

LUMINAIRE SCHEDULE

LABEL	TAG	DESCRIPTION	QTY	TOTAL LAMP LUMENS	LUM. WATTS	LLF	JURISDICTION
LP-1	EXISTING	53W CREE LEDway, TYPE II	1	4550	51	0.93	CITY OF WEST LINN
LP-2	EXISTING	66W LEDway, TYPE II	2	6,079	66	0.93	CITY OF WEST LINN
LP-3	PROPOSED	100W CREE LEDway, TYPE II	1	9,000	100	0.93	CITY OF WEST LINN
LP-4	PROPOSED	47W CREE LEDway, TYPE II	3	3,830	48	0.93	CITY OF WEST LINN

LIGHT LEVEL SUMMARY (CITY OF WEST LINN)

ROADWAY	CLASSIFICATION	CALC TYPE		AVERAGE	MAXIMUM	MINIMUM	AVG/MIN	MAX/MIN
PARKER ROAD	COLLECTOR	ILLUMINANCE	TARGET	>0.5 Fc AVE	N/A	>0.1 Fc	<4:1 AVE/MIN	N/A
			ACHIEVED	0.9	1.9	0.3	3:1	6.3:1
DEERHILL LANE & ROXBURY DRIVE	LOCAL	ILLUMINANCE	TARGET	>0.4 Fc AVE	N/A	>0.1 Fc	<6:1 AVE/MIN	N/A
			ACHIEVED	0.4	0.7	0.1	4:1	7.0:1
PARKER ROAD/ DEERHILL LANE	COLLECTOR/ LOCAL	ILLUMINANCE	TARGET	>1.0 Fc AVE	N/A	>0.1 Fc	<4:1 AVE/MIN	N/A
			ACHIEVED	1.0	1.8	0.5	2:1	3.6:1

LIGHT POLE LOCATION TABLE

POLE NO.	STATION AND OFFSET*	ALIGNMENT	LUMINAIRE TYPE
POLE 1	14+50.29 (21.56 L)	PARKER ROAD	LP-1
POLE 2	13+36.78 (19.38 R)	PARKER ROAD	LP-2
POLE 3	10+95.30 (20.62 R)	PARKER ROAD	LP-2
POLE 4	12+45.49 (32.00 L)	PARKER ROAD	LP-3
POLE 5	11+17.04 (15.00 L)	DEERHILL LANE	LP-4
POLE 6	12+40.82 (15.00 R)	DEERHILL LANE	LP-4
POLE 7	13+75.43 (15.00 L)	DEERHILL LANE	LP-4

NOTE:
POWER SOURCE LOCATIONS TO BE DETERMINED BY PGE. ALL LIGHT POLE POWER SOURCES MUST BE VERIFIED WITH PGE PLANS. CHANGES IN POWER SOURCE LOCATIONS WILL REQUIRE AS-BUILT DRAWINGS.
* OFFSET MEASURED FROM ROADWAY CENTERLINE TO CENTER OF POLE

STREET LIGHTING NOTES:

1. PROPOSED LIGHT POLES SHALL BE PGE APPROVED COMPOSITE, 2-PIECE, SMOOTH FINISH, 35 FOOT, DIRECT BURIED, BRONZE FINISH WITH 30 FOOT MOUNTING HEIGHT AND 6 FOOT BRONZE FINISH MAST ARM.

   PGE APPROVED POLE:
   -SHAKESPEARE C61114 (39362)
   -CMT C61115 (39376)

   PGE APPROVED MAST ARM:
   -WHATLEY MA-72DDB
   -VALMONT IMA0632B475-BRZ
   -SHAKESPEARE OPAR-6-BRONZE

2. JUNCTION BOXES SHALL BE PGE APPROVED SPLICE BOXES.

   PGE APPROVED JUNCTION BOXES ARE:
   -NEWBASIS FCA132418T-00043
   -QUAZITE A42132418A017
   -OLDCASTLE 13241617
   -ARMORCAST A6001946TAX18-PGE
   -HIGHLINE CHA132418HE1

3. LUMINAIRES SHALL BE PGE APPROVED 47/100 WATT LEDWAY, AS SPECIFIED.

   PGE APPROVED LUMINAIRES:
   47W CREE LEDWAY:
   -CREE 90003420 (CU 1356)

   100W CREE LEDWAY:
   -CREE 90003708 (CU 1359)

4. THE PHOTO CONTROL SHALL BE PGE APPROVED EXTENDED LIFE TWISTLOCK, ELECTRONIC, 105 TO 300 VOLT CONTROL.

   PGE APPROVED PHOTOELECTRIC CONTROLS ARE:
   -RIPLEY 6390TF-PGE
   -DTL D124-1.5-1704

5. THE WIRING FROM THE SPLICE BOX TO THE LUMINAIRE SHALL BE PGE APPROVED #10 AWG, 600-VOLT, TYPE THHN. FOR 240-VOLT APPLICATIONS, THE PGE WIRING CONFIGURATION IS: BLACK AND RED (HOT), GREEN (GROUND)

GENERAL NOTES:

1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH PGE OPTION "A" SPECIFICATIONS. ALL MATERIALS AND INSTALLATION SHALL BE APPROVED BY P.G.E AND THE CITY OF WEST LINN.
2. ALL ELECTRICAL EQUIPMENT SHALL CONFORM TO THE CURRENT STANDARDS OF THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) AND THE UNDERWRITERS LABORATORIES, INC. (U.L.). IN ADDITION TO THE REQUIREMENTS OF THE PLANS, STANDARD SPECIFICATIONS, AND THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CURRENT REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) THE NATIONAL ELECTRICAL SAFETY CODE, STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AND ANY LOCAL ORDINANCES WHICH MAY APPLY.
3. NO UTILITY INFRASTRUCTURE IS TO BE LOCATED WITHIN ONE FOOT OF A SURVEY MONUMENT LOCATION SHOWN ON THE SUBDIVISION PLAT PER ORS 92.044 (7)
4. COORDINATE WORK WITH LISA GUARNERO WITH PGE AT (503) 742-8299 TO DETERMINE POWER SOURCE FOR THE STREET LIGHTS.

CITY OF West Linn ENGINEERING APPROVED
DATE 8/8/18 BY EL

THIS PLAN REVIEW APPROVAL DOES NOT PREVENT THE FIELD INSPECTOR FROM REQUIRING FURTHER CODE CORRECTIONS.

N

SCALE: 1"=30 FEET
30 0 12 18 24 30

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TUALATIN, OR 97062
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F: 503.563.6152
aks-eng.com

ENGINEERING · SURVEYING · NATURAL RESOURCES
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

KNOLLCREST SUBDIVISION

WEST LINN OREGON
TAX LOTS 100 & 200
CLACKAMAS COUNTY TAX MAP 2 1E 25CC

STREET LIGHTING PLAN

DESIGNED BY:	CLR
DRAWN BY:	NSL/AMF
CHECKED BY:	RSW
SCALE:	AS NOTED

DATE: 07/30/2018

REGISTERED PROFESSIONAL ENGINEER 58548PE OREGON JULY 9, 2013 MONTGOMERY B. HURLEY
RENEWAL DATE: 6/30/19

REVISIONS

JOB NUMBER
5132

SHEET
C111

AKS DRAWING FILE: 5132 C100 LIGHTING.DWG | LAYOUT: C111