

RECORD OF SURVEY
 BEING PART OF LOTS 1 AND 2 AND ALL OF LOTS 3 AND 4, BLOCK 3 "YOUNG'S
 ADDITION" SITUATED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 36, PART OF THE LOT
 WHITCOMB DLC, T. 1 S., R. 1 E., W.M. CITY OF MILWAUKIE, CLACKAMAS COUNTY, OREGON

CLACKAMAS COUNTY SURVEYOR

DATE RECEIVED _____
 DATE ACCEPTED/FILED _____
 SURVEY NUMBER _____

- LEGEND**
- FOUND MONUMENT AS NOTED
 - SET 5/8" X 30" IRON ROD WITH YELLOW PLASTIC CAP STAMPED "BUCKEL ASSOC. INC." SET (date)
 - M MEASURED DISTANCE
 - R1 RECORD DISTANCE PER "YOUNG'S ADDITION"
 - R2 MEASUREMENT PER PS 23906
 - R3 MEASUREMENT PER SN 2008-060
 - W MEASURED DISTANCE
 - BP BRASS DISK
 - W/ WITH
 - YPC YELLOW PLASTIC CAP
 - ④ LOT NUMBER PER "YOUNG'S ADDITION"
- FOUND MONUMENT AS NOTED**
- FND FOUND MONUMENT AS NOTED
 - BS BRASS SCREW
 - IR IRON ROD
 - O/S OFFSET
 - SN OR PS SURVEY NUMBER, CLACKAMAS COUNTY SURVEY RECORDS
 - BK BOOK
 - PG PAGE
 - S.F. SQUARE FEET
 - R-O-W RIGHT-OF-WAY
 - BL BLOCK

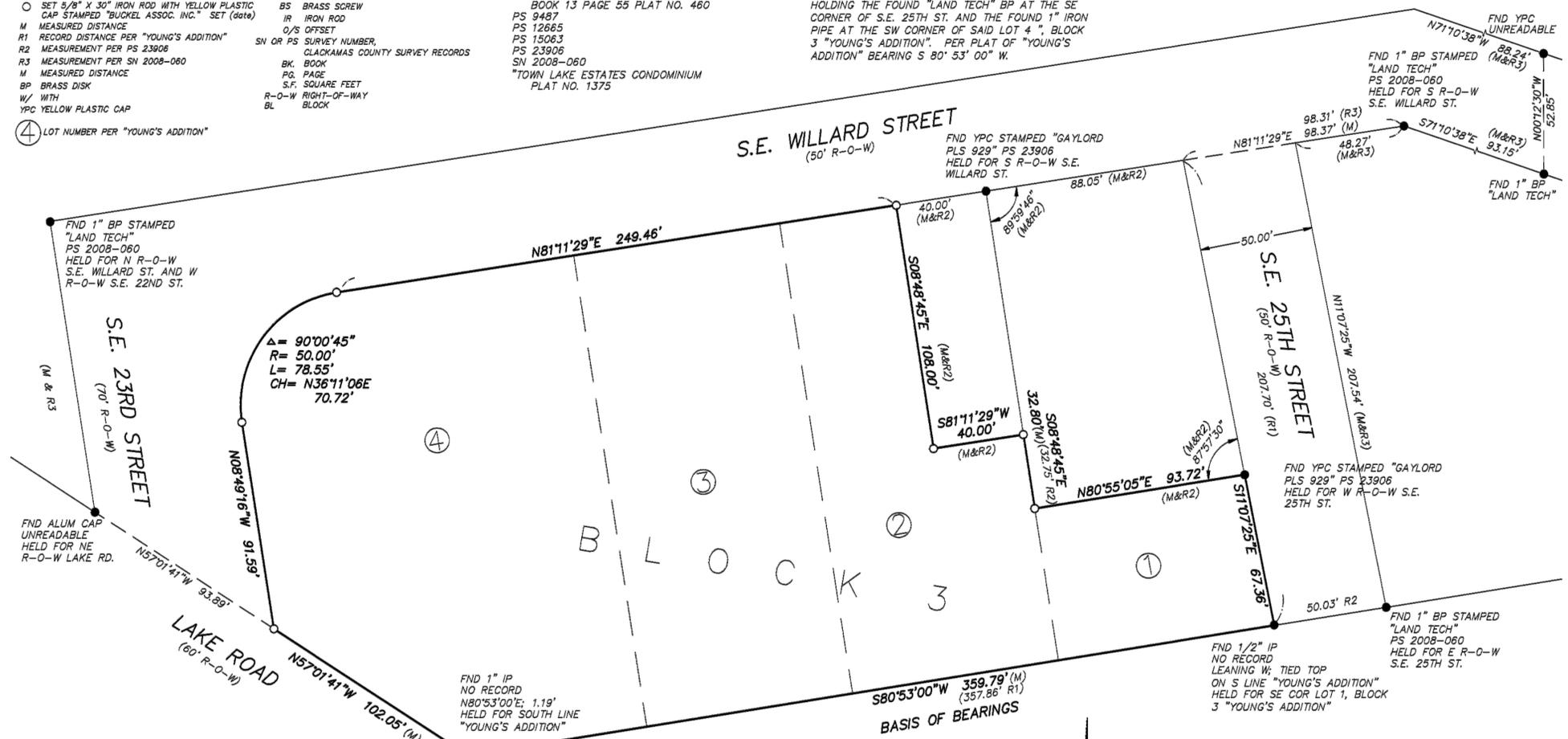
REFERENCES

PLAT OF "YOUNG'S ADDITION"
 BOOK 13 PAGE 55 PLAT NO. 460
 PS 9487
 PS 12665
 PS 15063
 PS 23906
 SN 2008-060
 "TOWN LAKE ESTATES CONDOMINIUM"
 PLAT NO. 1375

BASIS OF BEARINGS

THE BASIS OF BEARINGS WAS ESTABLISHED BY HOLDING THE FOUND "LAND TECH" BP AT THE SE CORNER OF S.E. 25TH ST. AND THE FOUND 1" IRON PIPE AT THE SW CORNER OF SAID LOT 4, BLOCK 3 "YOUNG'S ADDITION". PER PLAT OF "YOUNG'S ADDITION" BEARING S 80° 53' 00" W.

SURVEYED FOR:
 NW HOUSING ALTERNATIVES, INC.



NARRATIVE

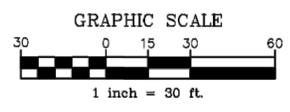
THE PURPOSE OF THIS SURVEY IS TO DEPICT AND MONUMENT THE BOUNDARY OF PART OF LOTS 1 AND 2 AND ALL OF LOTS 3 AND 4, BLOCK 3 OF "YOUNG'S ADDITION". THE SOUTH LINE WAS ESTABLISHED BY HOLDING THE FOUND "LAND TECH" BP AT THE SE CORNER OF S.E. 25TH ST. AND THE FOUND 1" IRON PIPE NEAR THE SW CORNER OF SAID LOT 4.

THE R-O-W LINE OF S.E. 25TH ST. WAS ESTABLISHED BY HOLDING THE FOUND "LAND TECH" BP AT THE SE CORNER OF S.E. 25TH ST. AND RECORD DISTANCE OF 48.27' FROM THE FOUND "LAND TECH" BP AT AN ANGLE POINT IN THE SOUTH R-O-W OF S.E. WILLARD STREET.

THE EAST AND NORTH LINES OF PART OF LOT 1 WAS ESTABLISHED BY HOLDING THE FOUND "GAYLORD" YPC'S ON S.E. 25TH ST. AND S.E. WILLARD ST. THEN HOLDING RECORD ANGLES.

THE REMAINING EASTERLY LINES WERE HELD DEED DISTANCE AS INDICATED ON PS 23906. THE SOUTH R-O-W OF S.E. WILLARD ST. WAS ESTABLISHED FROM THE FOUND "LAND TECH" BP AT AN ANGLE POINT IN THE SOUTH R-O-W OF S.E. WILLARD STREET AND THE FOUND "GAYLORD" YPC AT THE NW CORNER OF SAID LOT 1, BLOCK 3.

THE EAST R-O-W LINE OF S.E. 22ND ST. WAS ESTABLISHED AT 50' EASTERLY AND PARALLEL TO THE TWO FOUND "LAND TECH" MONUMENTS FROM SN 2008-060.



REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON
 JUL 12, 2009
 GINA CATHERINE BUCKEL
 59892LS
 RENEWAL: 12-31-13

DRAWN BY: **KEH**
 CHECKED BY: **GB**
 DWG NAME: **12110**

DATE: **2012.02.2012**
 SCALE: **1"=30'**
 PROJECT: **12110**

14520 SE Johnson Road
 Milwaukie, Oregon 97127
 (503) 655-4506
 FAX (503) 655-4510

BUCKEL ASSOCIATES, INC.
 LAND SURVEY CONSULTANTS

REVISION NO. _____ DATE _____

NHA CAMPUS REDEVELOPMENT
 2316 SE WILLARD ST.
 MILWAUKIE, OR 97222

ISSUANCE
 LAND USE APPLICATION
 DATE
 12/1/2015
 SCALE
 1" = 30'
 PROJECT NUMBER
 201327.00
 DRAWN BY
 KEH
 DRAWING TITLE

EXISTING SITE CONDITIONS - EXHIBIT A
 SHEET NUMBER

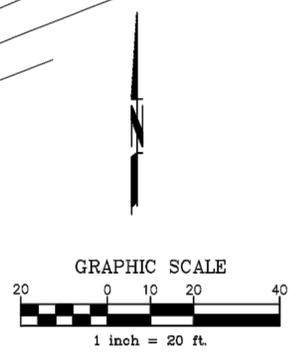


NOTES

1. THIS IS NOT A BOUNDARY SURVEY. FOR BOUNDARY DETERMINATION, SEE RECORD OF SURVEY BY BUCKEL ASSOCIATES, INC. COMPLETED IN JULY OF 2013.
2. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY OBSERVATIONS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
3. ELEVATIONS ARE BASED UPON CONTROL POINT #1940 FROM SURVEY NO. SN2013-011. BEING A 1" BRASS CAP IN CONCRETE DRIVEWAY, STAMPED "TRIMET CTRL 1940" AT THE NORTHWEST CORNER OF SE 21ST STREET AND LAKE ROAD. DATUM IS NAVD 88. ELEVATION = 50.728.

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

OREGON
 JULY 18, 2005
 GINA CATHERINE BUCKEL
 59592LS
 RENEWAL: 12-31-13

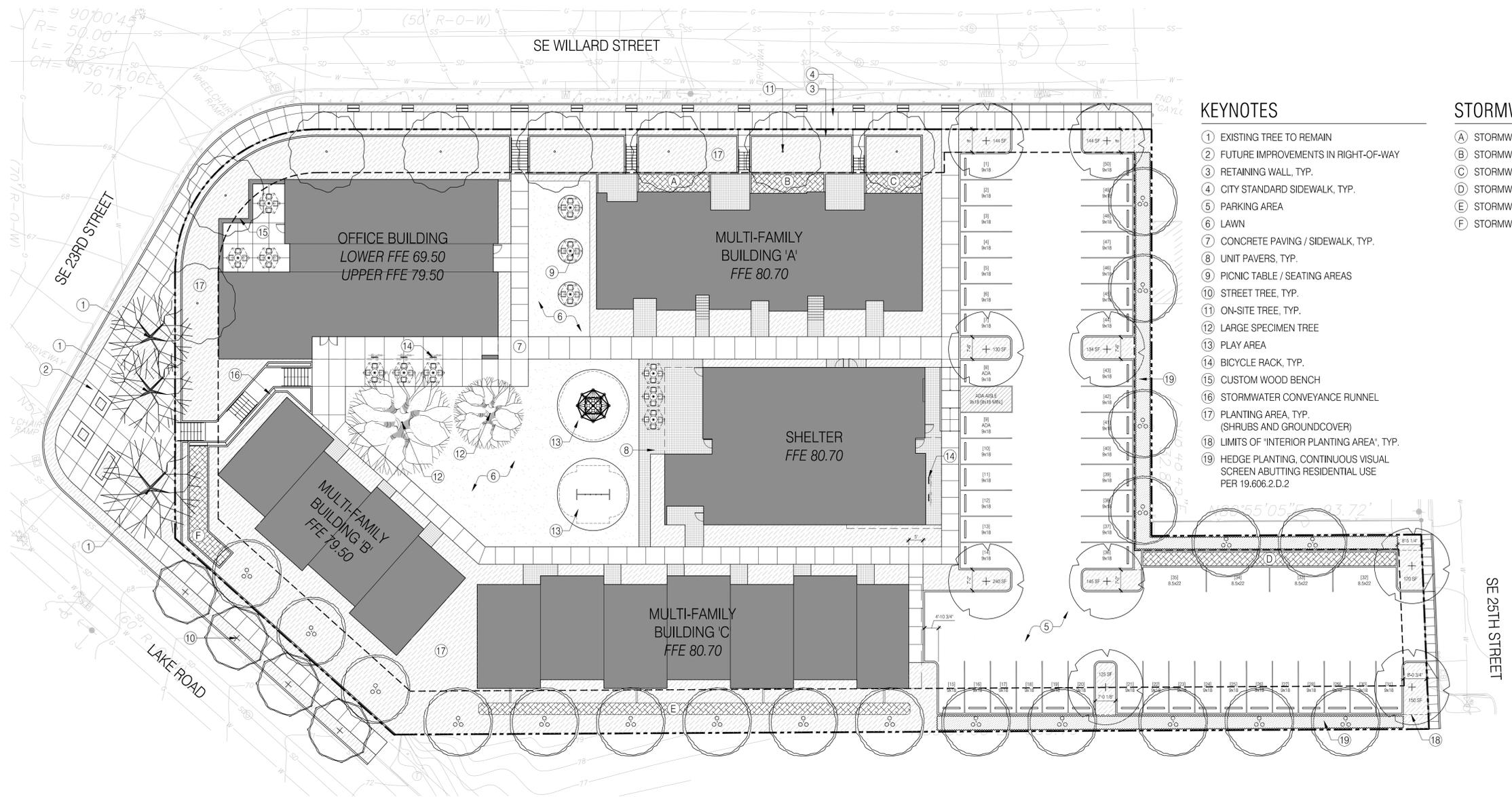


- (ALL ITEMS MAY NOT BE USED - EXISTING FEATURES ARE SHADED)
- | | |
|---------------------------|-----------------------|
| ● FOUND MONUMENT AS NOTED | ☀ CONIFER TREE |
| ⊙ SEWER MANHOLE | ☁ DECIDUOUS TREE |
| ⊙ STORM MANHOLE | — BRUSH/TREE LINE |
| ⊙ CATCH BASIN | — CURB |
| ⊙ CURB INLET | — DITCH/CREEK |
| ⊙ CLEAN OUT | — GUARDRAIL |
| ⊙ FIRE HYDRANT | — EDGE OF PAVEMENT |
| ⊙ WATER METER | —X FENCE |
| ⊙ WATER VALVE | —G GAS LINE |
| ⊙ GAS VALVE | — PROPERTY LINE |
| ⊙ GAS METER | —OHU OVERHEAD UTILITY |
| ⊙ GUY WIRE | ⊙ SIGNAL POLE |
| ⊙ IRRIGATION VALVE | ⊙ SIGN |
| ⊙ SPRINKLER HEAD | ⊙ TELEPHONE MANHOLE |
| ⊙ STREET LIGHT | ⊙ TELEPHONE PEDESTAL |
| ⊙ MAILBOX | ⊙ BOLLARD |
| ⊙ POWER PEDESTAL | ⊙ UTILITY POLE |
| ⊙ SIGNAL CONTROL BOX | ⊙ WELL |
| ⊙ UTILITY VAULT | ⊙ MONITORING WELL |
| ⊙ JUNCTION BOX | ⊙ ABANDONED WELL |
| ▨ CONCRETE | |

REVISION NO. DATE

NHA CAMPUS REDEVELOPMENT
 2316 SE WILLARD ST.
 MILWAUKIE, OR 97222

ISSUANCE
 LAND USE APPLICATION
 DATE
 12/1/2015
 SCALE
 1" = 20'
 PROJECT NUMBER
 201327.00
 DRAWN BY
 KEH
 DRAWING TITLE
EXISTING SITE CONDITIONS - EXHIBIT B
 SHEET NUMBER



KEYNOTES

- ① EXISTING TREE TO REMAIN
- ② FUTURE IMPROVEMENTS IN RIGHT-OF-WAY
- ③ RETAINING WALL, TYP.
- ④ CITY STANDARD SIDEWALK, TYP.
- ⑤ PARKING AREA
- ⑥ LAWN
- ⑦ CONCRETE PAVING / SIDEWALK, TYP.
- ⑧ UNIT PAVERS, TYP.
- ⑨ PICNIC TABLE / SEATING AREAS
- ⑩ STREET TREE, TYP.
- ⑪ ON-SITE TREE, TYP.
- ⑫ LARGE SPECIMEN TREE
- ⑬ PLAY AREA
- ⑭ BICYCLE RACK, TYP.
- ⑮ CUSTOM WOOD BENCH
- ⑯ STORMWATER CONVEYANCE RUNNEL
- ⑰ PLANTING AREA, TYP. (SHRUBS AND GROUNDCOVER)
- ⑱ LIMITS OF 'INTERIOR PLANTING AREA', TYP.
- ⑲ HEDGE PLANTING, CONTINUOUS VISUAL SCREEN ABUTTING RESIDENTIAL USE PER 19.606.2.D.2

STORMWATER FACILITIES

- A STORMWATER TREATMENT AREA: 152 SF
- B STORMWATER TREATMENT AREA: 166 SF
- C STORMWATER TREATMENT AREA: 128 SF
- D STORMWATER TREATMENT AREA: 425 SF
- E STORMWATER TREATMENT AREA: 607 SF
- F STORMWATER TREATMENT AREA: 272 SF

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 MILWAUKIE, OR 97222

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 AS SHOWN
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 DRAWN BY
 CO
 DRAWING TITLE

LANDSCAPE CONCEPT PLAN

SHEET NUMBER

SITE DATA

SITE LOCATION: 2613 SE WILLARD STREET, MILWAUKIE, OR 97222
 SITE AREA: 1.70 ACRES / 74,243 S.F.

BUILDING SUMMARY

OFFICE - BUILDING GROSS SF	12,500 SQ. FT.
SHELTER - BUILDING GROSS SF	8,639 SQ. FT.
HOUSING BUILDING TYPE A - BUILDING GROSS SF	13,966 SQ. FT.
HOUSING BUILDING TYPE B - BUILDING GROSS SF	7,800 SQ. FT.
HOUSING BUILDING TYPE C - BUILDING GROSS SF	13,932 SQ. FT.
TOTAL BUILDINGS GROSS SF=	57,383 SQ. FT.

ZONING DATA

ZONE CLASSIFICATION:	R-2 MEDIUM AND HIGH DENSITY RESIDENTIAL
TYPES ALLOWED: (TABLE 19.302.2)	MULTI-FAMILY HOUSING OFFICE PERMITTED WITH CONDITIONAL USE APPROVAL COMMUNITY SERVICE USE (SHELTER) PERMITTED WITH COMMUNITY SERVICE USE APPROVAL
DENSITY: (TABLE 19.302.4)	DWELLING UNITS PER ACRE: MINIMUM: 11.6 MAXIMUM: 17.4
TOTAL SITE AREA:	1.70 ACRES / 74,243 S.F.
PROPOSED NUMBER OF UNITS:	28 UNITS
MINIMUM YARD REQUIREMENTS FOR PRIMARY STRUCTURES:	FRONT YARD: 15 FT. SIDE YARD (19.302.5.A): 5 FT. STREET SIDE YARD: 15 FT. REAR YARD: 15 FT.
ALLOWABLE BUILDING HEIGHT: (TABLE 19.302.4) MAXIMUM: (19.202.2.2C)	3 STORIES OR 45 FT., WHICHEVER IS LESS PITCHED ROOF WHERE ROOF PITCH IS 12/12 OR LESS: MEASURE TO THE AVERAGE HEIGHT OF THE HIGHEST GABLE
PROPOSED:	BUILDING TYPE A: 3 STORIES, 39'-0" BUILDING TYPE B: 3 STORIES, 42'-0" BUILDING TYPE C: 3 STORIES, 42'-0" OFFICE: 3 STORIES, 38'-7" AT AVERAGE HT, 44'-5 1/2" AT TOP HT SHELTER: 2 STORIES, 27'-10 1/2" AT AVERAGE HT, 33'-6" AT TOP HT
MAXIMUM LOT COVERAGE: (TABLE 19.302.4)	ALLOWED: 45%; 33,409 S.F. PROPOSED: 31%; 23,242 S.F.
MINIMUM VEGETATION:	ALLOWED: 15%
MINIMUM SITE SIZE FOR MULTI-FAMILY: (TABLE 19.302.5.F.2)	5,000 S.F. FOR FIRST DWELLING UNIT, 2,500 S.F. FOR ADDITIONAL DWELLING UNITS = 72,500 S.F.

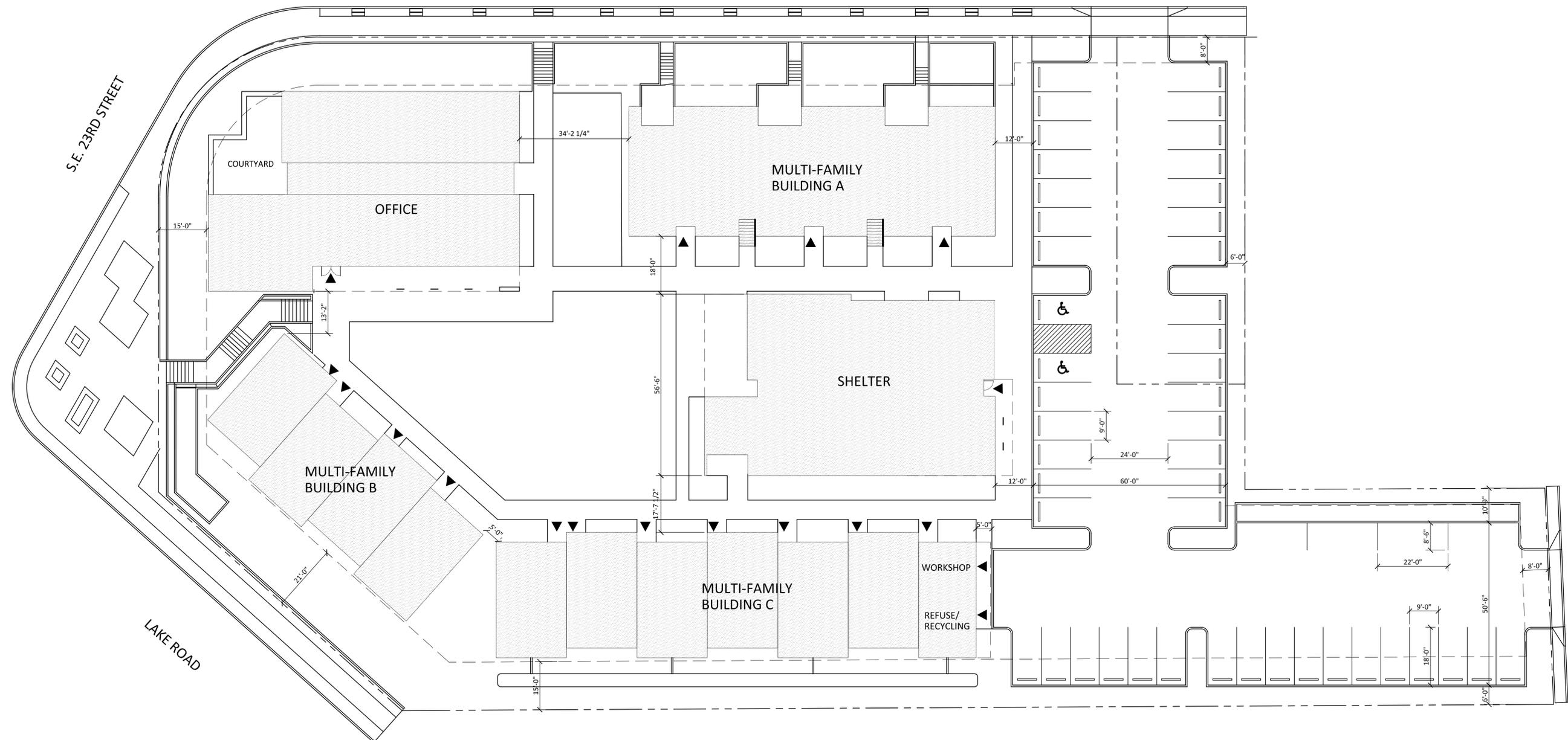
PARKING SUMMARY

19,600 OFF STREET PARKING	MULTI-FAMILY DWELLING	19,609 BICYCLE PARKING
MINIMUM ON-SITE PARKING:	1 SPACE PER DWELLING UNIT (800 SF OR LESS) = 4 1.25 SPACE PER DWELLING UNIT (800 SF OR MORE) = 30 TOTAL FOR MINIMUM REQUIREMENTS = 34	OFFICE: 6 SHELTER: 4 TOTAL BICYCLE PARKING: 10
MAXIMUM ON-SITE PARKING:	2 SPACES PER DWELLING UNIT = 56	
19,600 OFF STREET PARKING	COMMERCIAL USE - OFFICE	PROVIDED ON-SITE PARKING:
MINIMUM ON-SITE PARKING:	2 SPACES PER 1,000 SF OF FLOOR AREA = 25	STANDARD SIZE: 48
MAXIMUM ON-SITE PARKING:	3.4 SPACES PER 1,000 SF OF FLOOR AREA = 43	ACCESSIBLE: 2 (LOCATED AT FRONT ENTRY)
		TOTAL PARKING: 50
19,600 OFF STREET PARKING	COMMUNITY SERVICE - SHELTER	
MINIMUM ON-SITE PARKING:	1 SPACE PER DWELLING UNIT (800 SF OR LESS) = 8	
MAXIMUM ON-SITE PARKING:	1.25 SPACE PER DWELLING UNIT (800 SF OR MORE) = 0	

LEGEND

	PROPERTY LINE
	ACCESSIBLE PARKING
	MAIN UNIT ENTRY
	BICYCLE RACK

S.E. WILLARD STREET



1 SITE PLAN
SCALE: 1/16"=1'-0"

REVISION NO. DATE

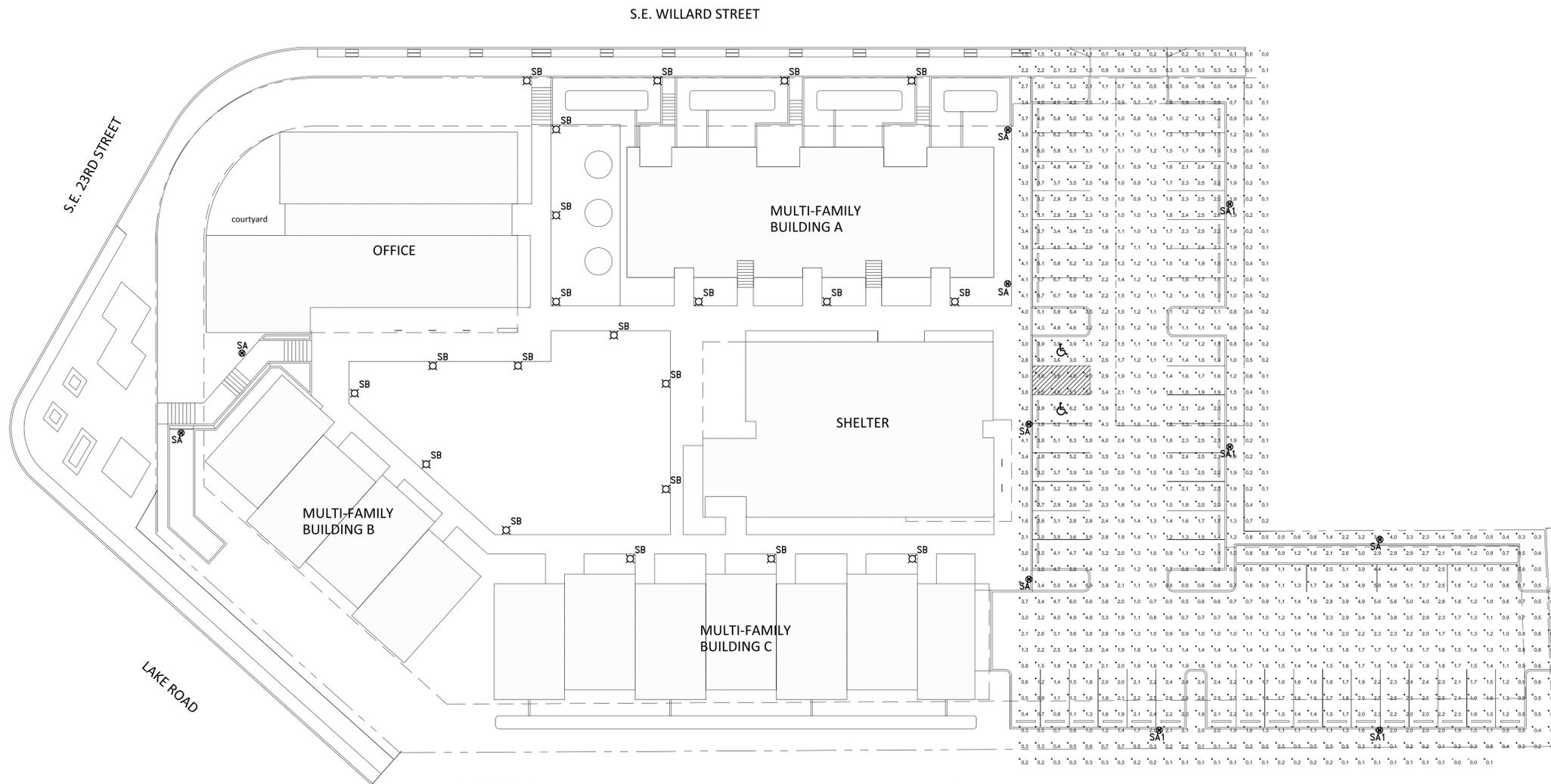
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 DRAWN BY
 KH
 DRAWING TITLE

SITE PLAN

SHEET NUMBER

Luminaire Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
⊕	SA	5	PHILIPS GARDCO	SFRA-2-80LA-4853-NW	SLENDERFORM ROUND WITH 48 LEDx @ 530mA	(1) FLEXIGINE 48 LUXEON R NW. LUMINAIRE OUTPUT: 7103 Lms.	1	SFRA-2-80LA-4853-NW.IES	7103.294	0.95	80.1
⊕	SA1	4	PHILIPS GARDCO	SFRA-BLC-80LA-4853-NW	SLENDERFORM ROUND WITH 48 LEDx @ 530mA. BLACK LAMINATE, BLACK REFLECTOR	(1) FLEXIGINE 48 LUXEON R NW. LUMINAIRE OUTPUT: 4434 Lms.	1	SFRA-BLC-80LA-4853-NW.IES	4434.012	0.95	80.1



1 SITE LIGHTING DESIGN
 E1.5 SCALE: 1"=20'-0"
 0 4' 8' 16'

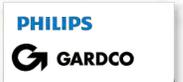
REVISION NO. DATE

MKE
 MKE & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 MECHANICAL AND ELECTRICAL SYSTEMS
 6915 SW MACADAM AVE.
 SUITE 200
 PORTLAND, OREGON 97219
 PHONE: 503.892.1188
 FAX: 503.892.1190
 CONTACT...HANK BARLEEN
 engineering@mke-inc.com

NHA CAMPUS REDEVELOPMENT
 2316 SE WILLARD ST.
 MILWAUKIE, OR 97222

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SITE LIGHTING PLAN
 SHEET NUMBER



**PHILIPS
GARDCO**





Site & Area

SlenderForm

Round Post-Top luminaire

Project: _____

Location: _____

Cat.No: _____

Type: _____

Qty: _____

Notes: _____

Philips Gardco SlenderForm luminaires combine LED performance excellence and advanced LED thermal management technology with a distinct styling to provide outdoor area lighting that is both energy efficient and aesthetically pleasing. SlenderForm is defined by its high performance, sleek low profile design and rugged construction. The advanced LED optical systems provide IES Types II, III, IV and V distributions. Surge protection included with all SlenderForm luminaires.

example: SFRP-APD-T3-4-80LA-4853-NW-120-AR-NP-PCRS

Prefix	Controls	MTP	Mounting*	Optics*	LED Watts	LED Temp	Voltage	Ring	Finish	Options
SFRP-	Standard luminaire	(blank)	T3	Standard Optic Position	150 mA	CW	120	AR	BRP	LF ¹ Line Fusing
SlenderForm Round Post-Top luminaire	DMH 0-10V Dimming	MTP Module Thermal Protection	T3 Mounts to 2 1/4" x 4" Teeiron	2 Type 2 3 Type 3 4 Type 4 5M Type 5 Medium 5W Type 5 Wide BLC Backlight Control 2BL Type 2 with backlight (glass shield) 80LA-4853 Optic Rotated Left (90°) 10LA-4853 Optic Rotated Right (270°) LCR ¹ LED Corner Left LCR ² LED Corner Right	25LA-4815 350 mA 55LA-4835 70LA-6435 90LA-8035 530 mA 80LA-4853 10LA-4853 700mA 110LA-4870 140LA-6470	5000K 4000K 347V 347V Warm White 5000K UNV 120/27V HUV 347-40V	120V 208V 240V 277V 347V 480V 120/27V 347-40V	AR Ring painted to match housing ORBRP Optional Painted Ring (see paint quote) ORBLP Optional Painted Ring (see paint quote) ORWP Optional Painted Ring (see paint quote) ORNP Optional Painted Ring (see paint quote) OROC Optional Painted Ring - Optional Color. Specify color or RAL. Must supply color chip. Requires factory quote. ORSC Optional Painted Ring - Special Color. Specify color or RAL. Must supply color chip. Requires factory quote.	BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Paint OC Optional Color. Specify optional color or RAL. See OC-RAL7020 PCRS ¹⁴ Photocell SC Special color. Specify, must supply color chip. Requires factory quote. DL ¹ Diffusing Lens CLR ¹ Clear Glass Lens POLY ¹⁵ Polycarbonate Lens (1 yr warranty on lens) BD ¹⁶ Bird Deterrent Spike Kit (field installed only)	LF ¹ Line Fusing LFC ¹ Line Fusing for Canada PC ¹¹ Photocell with Resealable (includes PCRS resealable) PCB ¹² Photocell Button PCRS ¹⁴ Photocell Resealable only with 2 dimming connections PCRV ¹³ Photocell Resealable only with 2 dimming and 2 auxiliary connections DL ¹ Diffusing Lens CLR ¹ Clear Glass Lens POLY ¹⁵ Polycarbonate Lens (1 yr warranty on lens) BD ¹⁶ Bird Deterrent Spike Kit (field installed only)

1. Available 120V-277V only.
 2. Available 120V or 277V only.
 3. MR and APD-MRI luminaires include an integral motion sensor.
 4. MTP types limited to LED wattages utilizing 530 mA (80LA, 105LA, 130LA) or 700 mA (10LA, 140LA) only.
 5. See page 4-5 for details on optic orientation prior to ordering.

6. Available with 90LA-6435 and 130LA-8035 only.
 7. Must specify input voltage with IFC, LFC, PC, and PCB options.
 8. Not available in 480V. Provide specific input voltage.
 9. Consult factory for lead times on Warm White.
 10. Kits consist of 25 injection molded plastic bird deterrent spikes.
 11. Reduces performance.
 12. Works with 3-pin or 5-pin NEMA photocell/dimming device.
 13. Works with 3-pin or 5-pin NEMA photocell/dimming device and auxiliary connections are not connected for future use only.
 14. If ordered with DMH, APD, MRI, MTRSD, APD-MRI, APD-MRO, dimming will not be connected to NEMA resealable.
 15. Mount to a round pole with 4" O.D. for a smooth transition.

SFRP 02/15 page 1 of 5

SFRP SlenderForm

Site & Area, Round Post Top luminaire

SlenderForm Accessories (order separately)

SFRP-100 MR hand held programmer
 For use with MRI motion response when field programming is required.
 For use with MRI and APD-MRI only. If desired, only one is needed per job.

Description

Philips Gardco SlenderForm luminaires combine LED performance excellence and advanced Philips Gardco LED thermal management technology with a distinct styling to provide outdoor area lighting that is both energy efficient and aesthetically pleasing. SlenderForm is defined by its high performance, sleek low profile design and rugged construction. The die cast aluminum housing has a maximum profile of just 3.67". The advanced LED optical systems provide IES Types II, III, IV and V distributions. All LED wattages utilize high performance Class 1 LED systems. The luminaire features a state of the art integral thermal control system to maximize LED performance and life, and to extend component life. The door frame is die cast aluminum. Luminaires are finished with a fade and abrasion resistant TOC powdercoat. All SlenderForm luminaires provide full cutoff performance, with 0% lumens at or above 90° above nadir.

Order Code (Standard units)	Array Quantity	Total LEDs	LED Current (mA)	Average System Watts	LED Selection	Initial Lumens ²					
						2 Type 2	2BL Type 2 with Backlight	3 Type 3	4 Type 4	5M Type 5 Medium	5W Type 5 Wide
25LA	48	48	150	25	NW	2,352 (6)	2,477 (6)	2,287 (6)	2,169	2,579 (6)	2,538
55LA	48	48	350	53	NW	4,942 (6)	5,203 (6)	4,804 (6)	4,759 (6)	5,419 (6)	5,313 (6)
70LA	64	64	350	69	NW	6,549 (6)	6,896 (6)	6,367 (6)	6,307	7,182 (6)	7,041
90LA	80	80	350	84	NW	7,997 (6)	8,420 (6)	7,775 (6)	7,701	8,769 (6)	8,597 (6)
80LA	48	48	530	80	NW	7,103 (6)	7,479 (6)	6,905 (6)	6,671	7,788 (6)	7,824
105LA	64	64	530	105	NW	9,414 (6)	9,912 (6)	9,152 (6)	9,076	10,322 (6)	10,108
130LA	80	80	530	128	NW	11,494 (6)	12,102 (6)	11,174 (6)	10,945	12,603 (6)	12,494
110LA	48	48	700	107	NW	8,874 (6)	9,343 (6)	8,627 (6)	8,522 (6)	9,730 (6)	9,567 (6)
140LA	64	64	700	140	NW	11,761	12,383	11,434	11,294	12,896	12,679

1. System input voltage may vary based on input voltage, by up to +/- 10%, and based on manufacturer forward voltage, by up to +/- 8%.
 2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.
 (6) Data is scaled based on tests of similar, but not identical, luminaires.

Dimensions - Post Top Luminaire (SFRP)

Effective Projected Area ft ² / m ²
Type Single
SFRP 0.80 / 0.075

SFRP 02/15 page 2 of 5

LUMINAIRE SPECIFICATION

IP55 : Suitable for Wet Locations
IK08 : Impact Resistant (Vandal Resistant)



Head Office: Tel: 503-645-0500
 7144 NW Progress Ct. Fax: 503-645-8100
 Hillsboro, Oregon 97124
 www.ligmanlightingusa.com

USM-10692

Smith bollard LED

Smith is an elegant lighting bollard that is suitable for both modern and classic architecture. Ideal for creating visual guidance with exceptional visual comfort using energy saving LEDs. Developed to compliment the Smith range of light column and wall light luminaires. Designed for various applications including entrances, gardens, precincts and pathways. The LED luminaires have features such as long life, limited maintenance and constant lifetime performance. Extruded aluminum column and low copper content die-cast aluminum housing with high corrosion resistance. Stainless steel screws. Durable silicone rubber gasket and opal impact resistant UV stabilized polycarbonate diffuser. Housing is treated with a chemical chromated protection before powder coating, ensuring high corrosion resistance. Integral control gear.

Physical Data
 Length: 6.65"
 Height: 34.33"
 Weight: 15.4 lbs

Lamp
 18w - 760lm - White - LED @
LED Color (Please Specify)
 W27 - 2700K
 W30 - 3000K
 W40 - 4000K

Voltage (Please Specify)
 120V
 277V
 Other

Options (Please Specify)
 Color (Please Specify)
 01-Black - RAL 9011
 02-White - RAL 9003
 03-Matt Silver - RAL 9006
 04-Metallic Silver - RAL 9006
 05-Bronze - RAL 6014
 06-Dark Grey - RAL 7043
 07-Custom - RAL

Mounting Accessories
 Anchor Bolt Kit
 Specify Custom Bollard height _____ ft
 Specify Custom Lens height _____ ft

Custom Smith Bollard With 24" Lens and 22" Pole

Ordering Example : USM - 10692 - White-18w - W30 - 120v

PROJECT: _____ DATE: _____

TYPE: SB QUANTITY: _____ NOTE: _____

Ligman Lighting USA reserves the right to change specifications without prior notice, please contact factory for latest information. Due to the continual improvements in LED technology data and components may change without notice.

REVISION NO. _____ DATE _____

MIKE
 MIKE B ASSOCIATES, INC.
 CONSULTING ENGINEERS
 MECHANICAL AND ELECTRICAL SYSTEMS

6915 SW MACADAM AVE.
 SUITE 200
 PORTLAND, OREGON 97219
 PHONE: 503.892.1188
 FAX: 503.892.1190
 CONTACT: HANK BARLEEN
 engineering@mike-inc.com

**NHA CAMPUS
 REDEVELOPMENT**

2316 SE WILLARD ST.
 MILWAUKIE, OR 97222

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 LIGHTING
 CUT
 SHEETS
 SHEET NUMBER

1.6