

STREET LIGHTING NOTES:

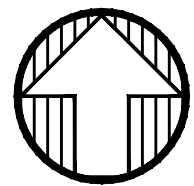
- A. CENTERLINE STATIONING INDICATED FOR SE 70TH AVE AND TV HWY IS FOR REFERENCE ONLY SINCE THE STREET LIGHT POLE LOCATIONS ARE APPROXIMATE.
- B. EXISTING STREET LIGHTING SHOWN IS FOR PHOTOMETRIC STUDY OF THE EXISTING LIGHT LEVELS FOR CITY REVIEW. THE FIXTURES SHALL REMAIN UNCHANGED UNDER THIS CONTRACT UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.
- C. THE STREET LIGHTING PHOTOMETRIC STUDY ON THIS SHEET IS BASED ON FIXTURE INFORMATION PROVIDED BY THE CITY OF HILLSBORO, PUBLIC WORKS DEPARTMENT, UNLESS OTHERWISE NOTED. THIS INFORMATION IS ASSUMED TO BE CORRECT. IF ACTUAL CONDITIONS DIFFER, CONTACT THE CITY OF HILLSBORO FOR DIRECTION.
- D. ALL STREET LIGHTING SHOWN AS "NEW" TO BE INSTALLED BY ELECTRICAL CONTRACTOR. CONTRACTOR SHALL CONSULT WITH THE CITY AND PGE TO COORDINATE INSTALLATION, CONDUIT & CONDUCTOR SIZE, QUANTITY & ROUTING, FINAL CONNECTIONS, ETC., AS IT RELATES TO THE STREET LIGHTING.
- E. EXISTING CONDUIT & CONDUCTOR INFORMATION NOT AVAILABLE TO MFIA. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE CITY TRANSPORTATION DEPARTMENT OR OTHER ENTITY TO IDENTIFY EXISTING STREET LIGHTING CIRCUITS AND POWER SOURCE PRIOR TO THE START OF ANY WORK.
- F. EXISTING (E) STREET LIGHT LOCATIONS ARE APPROXIMATE. EXACT LOCATION TO BE FIELD VERIFIED BY CIVIL ENGINEER OR ELECTRICAL CONTRACTOR IF NECESSARY.
- G. COBRA HEAD LIGHT FIXTURE SHALL MATCH THE EXISTING FIXTURE HEADS (FOR WATTAGE, LUMEN OUTPUT & COLOR TEMPERATURE) LINING THE ADJACENT PROPERTY (KADDY CARWASH) ON SE 70TH AVE.
*FIXTURES ARE ASSUMED TO BE AMERICAN ELECTRIC LIGHTING, ATBM SERIES, 152 WATTS, 3000 KELVIN, 17540 LUMENS, TYPE II DISTRIBUTION.
- H. POLE TYPE, HEIGHT AND MOUNTING BASE SHALL MATCH THE EXISTING POLES LINING THE ADJACENT PROPERTY (KADDY CARWASH) ON SE 70TH AVE.
*POLES ARE ASSUMED TO BE 30FT TALL WITH 6FT ARMS.

Schedule										
Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
○	SL1		6	American Electric Lighting	ATBM P50 XXXXX R2	ATBM, Performance Package P50, 3000K CCT	Type 2,	17541	1	152

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SE 70TH AVE	+	4.1 fc	6.3 fc	2.7 fc	2.3:1	1.5:1
SE 70TH Sidewalk	+	2.6 fc	4.7 fd	1.1 fc	4.3:1	2.4:1

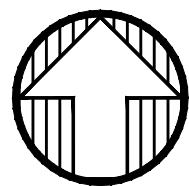
PHOTOMETRIC NOTES:

1. PHOTOMETRIC STUDIES ARE FOR REFERENCE ONLY AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.
2. PHOTOMETRIC DATA IS BASED ON MANUFACTURER PROVIDED IES FILES. ILLUMINANCE CALCULATIONS ARE APPROXIMATE AND MAY DIFFER FROM ACTUAL FIELD MEASUREMENTS.
3. EXISTING STREET LIGHTS SHALL REMAIN UNTOUCHED EXCEPT WHERE NOTED, AND ARE ASSUMED TO BE AMERICAN ELECTRIC LIGHTING, AUTOBAHN SERIES, ATBM ROADWAY FIXTURE, 3000K LED, TYPE II DISTRIBUTION.
4. STREET LIGHT POLE TYPE & MOUNTING HEIGHT SHALL BE PER THE CITY OF HILLSBORO'S REQUIREMENTS. FOR THE PURPOSE OF THIS STUDY, THE POLE HEIGHT IS ASSUMED TO BE 30FT TALL WITH A 6FT ARM.
5. FOR THE PURPOSES OF THIS STUDY, AREAS WITH 0.0 LUMEN LEVELS HAVE BEEN MASKED TO PROVIDE THE STATISTIC SHOWN IN THE TABLE.
6. THIS STUDY DOES NOT REFLECT CONTRIBUTION FROM BUILDING MOUNTED LIGHT FIXTURES, PROJECT SITE LIGHTING, OR LIGHTING FROM ADJACENT PROPERTIES.



1 STREET LIGHTING PLAN
E1.04 SCALE: 1" = 20'-0"

TUALATIN VALLEY HIGHWAY
CENTERLINE S.W. TV HWY PER. ODOT-
0.00



2 STREET LIGHTING PHOTOMETRIC STUDY
E1.04 SCALE: 1" = 20'-0"

TUALATIN VALLEY HIGHWAY

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DATE DESC.

NOT FOR
CONSTRUCTION

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DRAWING TITLE:
STREET LIGHTING
PHOTOMETRIC STUDY
DRAWN BY: DMT
CHECKED BY: RLC

PE1.04