

# PRE-APPROVED MATERIALS LIST - STREETLIGHTS

## SUBMITTALS FOR FIELD QUALIFICATION STREETLIGHT EQUIPMENT AND MATERIALS

**PROJECT MANAGER:** \_\_\_\_\_

**PROJECT:** \_\_\_\_\_

**CONTRACT NO.:** \_\_\_\_\_

**SUBMITTING  
CONTRACTOR:** \_\_\_\_\_

**DATE SUBMITTED:** \_\_\_\_\_

**CONTRACTOR  
REPRESENTATIVE:** \_\_\_\_\_

**PHONE:** \_\_\_\_\_

## **'PRE-APPROVED MATERIALS LIST' INSTRUCTIONS**

**These sheets serve two purposes:**

- 1. They are a list of pre-approved and preferred streetlight equipment and materials that can be installed in Gresham.**
- 2. They are an easy method for a contractor to submit a list of equipment and materials for a project to the City for approval, and for the City to track what equipment and materials are installed for a project.**

**A PDF version (not fillable) of these sheets can be found on the City of Gresham's Internet site. They will be provided for each project, to ensure that they are the most current copy.**

**These sheets are not all inclusive of materials required on City of Gresham projects.**

### **INITIAL SUBMITTAL**

**The Developer/Contractor will:**

1. Submit the Streetlight Sheets electronically
2. Fill out the Streetlight Sheets based on the projects requirements
  - a. In the **CONTENTS** pages check the box for all items that are "**NOT ON PROJECT**". **This removes the need to submit the materials page(s) for these items.**
  - b. For materials that are on the project:
    - i. Check the listed brand and circle the model to be used, or
    - ii. Write in a brand and model proposed for installation based on the project plans and specifications. Submit one catalogue cut sheet for initial qualification.
    - iii. Except for conduit and wire, do not mark more than **two** options per item.

**The Development Engineer will:**

1. Review initial submittal and fill out the **INITIAL SUBMITTAL** box in the CONTENTS pages and specific materials pages for listed materials.
2. Submit write in products to the Streetlight Engineer for approval.
3. Return a copy of the Streetlight Sheets to the Contractor

### **CONSTRUCTION**

Materials delivered to job site shall be **clearly marked** as to brand and model/part description (verified on materials) or shall be accompanied by supplier's certification as to brand and model/part description.

**The Contractor will:**

1. Install materials QUALIFIED by the Development Engineer during the INITIAL SUBMITTAL. Install per plan and specifications.

**The Inspector will:**

1. Verify materials installed match the Contractor's INITIAL SUBMITTAL. Verify the materials are installed per plan and specifications.

## CONTENTS

<u>PAGE NO.</u>	<u>ILLUMINATION SPECIFIC</u>	<u>NOT ON PROJECT</u>
4	FIBERGLASS POLES	<input type="checkbox"/>
5	DECORATIVE POLES	<input type="checkbox"/>
6	ALUMINUM DAVIT POLES	<input type="checkbox"/>
7	POLE FOOTINGS	<input type="checkbox"/>
8	WOOD POLE MAST ARMS	<input type="checkbox"/>
9	LED COBRA HEAD LIGHT FIXTURES	<input type="checkbox"/>
10	DECORATIVE LIGHT FIXTURES	<input type="checkbox"/>
11	PHOTOELECTRIC CELLS	<input type="checkbox"/>
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13	IN-LINE FUSED DISCONNECTS	<input type="checkbox"/>
14	WIRE CONNECTORS	<input type="checkbox"/>
15	SERVICE PEDESTALS	<input type="checkbox"/>
16	JUNCTION BOX (CONCRETE)	<input type="checkbox"/>
17	JUNCTION BOX (HYBRID)	<input type="checkbox"/>
18	CONDUIT (METALLIC)	<input type="checkbox"/>
19	CONDUIT (NON-METALLIC)	<input type="checkbox"/>
20	CONDUIT BUSHINGS	<input type="checkbox"/>
21	GROUND ROD AND CLAMP	<input type="checkbox"/>
22	XHHW WIRE	<input type="checkbox"/>
23	CABLE WIRE	<input type="checkbox"/>
24	OVERHEAD WIRE EQUIPMENT	<input type="checkbox"/>

**INITIAL SUBMITTAL**

AGREE WITH "NOT ON PROJECT"

RETURNED FOR CORRECTION

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Qualifications or corrections are subject to all requirements of the current issue of the City of Gresham Public Works Standards as modified by the Project Special Provisions.

**FIBERGLASS POLES**

**DESCRIPTION:** Fiberglass light poles, bases, and luminaire arms used for supporting luminaires.

**USE:** For use with illumination systems and luminaires.

**BRAND/MANUFACTURER**                      **CATALOGUE/PART NO.**

**POLE STUB PIECE**

- |                                      |                 |
|--------------------------------------|-----------------|
| <input type="checkbox"/> Shakespeare | BHS3099N3BL9901 |
| <input type="checkbox"/> CMT         | 25-STUB-UP      |
| <input type="checkbox"/> _____       | _____           |
| <input type="checkbox"/> _____       | _____           |

**POLE TOP PIECE**

- |                                      |                               |
|--------------------------------------|-------------------------------|
| <input type="checkbox"/> Shakespeare | BHT3099S2BL9901               |
| <input type="checkbox"/> CMT         | MDS30-F-100-S1-HS-PC-NP-1B-22 |
| <input type="checkbox"/> _____       | _____                         |
| <input type="checkbox"/> _____       | _____                         |

**8" MAST ARMS (BRONZE)**

- |                                      |                 |
|--------------------------------------|-----------------|
| <input type="checkbox"/> Shakespeare | OPAR-0.7-PGE-BR |
| <input type="checkbox"/> _____       | _____           |
| <input type="checkbox"/> _____       | _____           |
| <input type="checkbox"/> _____       | _____           |

**6' MAST ARMS**

- |                                      |                        |
|--------------------------------------|------------------------|
| <input type="checkbox"/> Shakespeare | OPAR-6                 |
| <input type="checkbox"/> Valmont     | 1MA0632B475 W/HARDWARE |
| <input type="checkbox"/> Whatley     | MA-75                  |
| <input type="checkbox"/> _____       | _____                  |

**INITIAL SUBMITTAL**

- QUALIFIED  
 QUALIFIED AS NOTED  
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Date: \_\_\_\_\_

Name: \_\_\_\_\_

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**DECORATIVE POLES**

**DESCRIPTION:** Decorative light poles and bases used for supporting luminaires.

**USE:** For use with illumination systems and luminaires.

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
----------------------------------	----------------------------------

**ACORN LIGHT POLES**

- |   |        |
|---|--------|
| <input type="checkbox"/> Continental Pole | PGE-14 |
| <input type="checkbox"/> Continental Pole | PGE-16 |
| <input type="checkbox"/> _____            | _____  |
| <input type="checkbox"/> _____            | _____  |
| <input type="checkbox"/> _____            | _____  |
| <input type="checkbox"/> _____            | _____  |
| <input type="checkbox"/> _____            | _____  |
| <input type="checkbox"/> _____            | _____  |
| <input type="checkbox"/> _____            | _____  |

**PENDANT LIGHT POLES**

- |  |                 |
|--|-----------------|
| <input type="checkbox"/> Philips Hadco | CP0606-18A-HFP3 |
| <input type="checkbox"/> _____         | _____           |
| <input type="checkbox"/> _____         | _____           |
| <input type="checkbox"/> _____         | _____           |
| <input type="checkbox"/> _____         | _____           |
| <input type="checkbox"/> _____         | _____           |
| <input type="checkbox"/> _____         | _____           |
| <input type="checkbox"/> _____         | _____           |
| <input type="checkbox"/> _____         | _____           |
| <input type="checkbox"/> _____         | _____           |

**PENDANT LIGHT ARMS**

- |  |                   |
|--|-------------------|
| <input type="checkbox"/> Philips Hadco | CA0606D-310-P4APM |
| <input type="checkbox"/> _____         | _____             |
| <input type="checkbox"/> _____         | _____             |
| <input type="checkbox"/> _____         | _____             |
| <input type="checkbox"/> _____         | _____             |
| <input type="checkbox"/> _____         | _____             |
| <input type="checkbox"/> _____         | _____             |
| <input type="checkbox"/> _____         | _____             |

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**POLE FOOTINGS**

**DESCRIPTION:** Light pole footings used for supporting luminaires.

**USE:** For use with illumination systems and luminaires.

**BRAND/MANUFACTURER**                      **CATALOGUE/PART NO.**

**FOOTINGS FOR 25-35 FOOT POLES**

<input type="checkbox"/>	Oldcastle	5CL-LB-PGE
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____

**FOOTINGS FOR DECORATIVE POLES**

<input type="checkbox"/>	Oldcastle	20R-LB-4-PGE
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____

<p><b><u>INITIAL SUBMITTAL</u></b></p> <p><input type="checkbox"/> <b>QUALIFIED</b></p> <p><input type="checkbox"/> <b>QUALIFIED AS NOTED</b></p> <p><input type="checkbox"/> <b>RETURNED FOR CORRECTION</b></p> <p>Date: _____</p> <p>Name: _____</p> <p>Qualifications or corrections are subject to all requirements of the current issue of the City of Gresham Public Works Standards as modified by the Project Special Provisions.</p>
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**STEEL MAST ARMS FOR WOOD POLES**

**DESCRIPTION:** Mast arms used for supporting luminaires.

**USE:** For use with illumination systems and luminaires.

**BRAND/MANUFACTURER**                      **CATALOGUE/PART NO.**

**4-FT MAST ARM**

- |  |              |
|--|--------------|
| <input type="checkbox"/> Valmont               | ACSC 125-040 |
| <input type="checkbox"/> Utility Metals        | U125S040     |
| <input type="checkbox"/> SALCO                 | WP-125-4-S   |
| <input type="checkbox"/> Maclean Power Systems | S-125-4G     |
| <input type="checkbox"/> _____                 | _____        |
| <input type="checkbox"/> _____                 | _____        |
| <input type="checkbox"/> _____                 | _____        |

**6-FT MAST ARM**

- |  |            |
|--|------------|
| <input type="checkbox"/> Utility Metals        | P125S060   |
| <input type="checkbox"/> SALCO                 | WP-125-6-S |
| <input type="checkbox"/> Maclean Power Systems | S-125-6G   |
| <input type="checkbox"/> _____                 | _____      |
| <input type="checkbox"/> _____                 | _____      |
| <input type="checkbox"/> _____                 | _____      |
| <input type="checkbox"/> _____                 | _____      |

**8-FT MAST ARM**

- |  |                  |
|--|------------------|
| <input type="checkbox"/> Utility Metals        | S1252080         |
| <input type="checkbox"/> SALCO                 | WPSG-125-8-S-PGE |
| <input type="checkbox"/> Maclean Power Systems | S-125-8SG-30R    |
| <input type="checkbox"/> _____                 | _____            |
| <input type="checkbox"/> _____                 | _____            |
| <input type="checkbox"/> _____                 | _____            |
| <input type="checkbox"/> _____                 | _____            |
| <input type="checkbox"/> _____                 | _____            |

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**LED COBRA HEAD LIGHT FIXTURES**

**DESCRIPTION:** Light fixtures used for illumination systems.

**USE:** For use with illumination systems and poles.

**BRAND/MANUFACTURER**                      **CATALOGUE/PART NO.**

**RESIDENTIAL COBRA HEAD LOW WATTAGE**

- Leotek Electronics                      EC1-6M2-MV-NW-2-GY-350-WL
- \_\_\_\_\_

**RESIDENTIAL COBRA HEAD MEDIUM WATTAGE**

- Leotek Electronics                      EC1-6M2-MV-NW-2-GY-530-WL
- \_\_\_\_\_

**RESIDENTIAL COBRA HEAD HIGH WATTAGE**

- Leotek Electronics                      EC1-6M2-MV-NW-2-GY-700-WL
- \_\_\_\_\_

**MEDIUM COBRA HEAD LOW WATTAGE**

- Leotek Electronics                      EC3-10M2-MV-NW-3-GY-350-WL
- \_\_\_\_\_

**MEDIUM COBRA HEAD MEDIUM WATTAGE**

- Leotek Electronics                      EC3-10M2-MV-NW-3-GY-530-WL
- \_\_\_\_\_

**MEDIUM COBRA HEAD HIGH WATTAGE**

- Leotek Electronics                      EC3-10M2-MV-NW-3-GY-700-WL
- \_\_\_\_\_

**LARGE COBRA HEAD LOW WATTAGE**

- Leotek Electronics                      EC7-20M2-MV-NW-3-GY-350-WL
- \_\_\_\_\_

**LARGE COBRA HEAD MEDIUM WATTAGE**

- Leotek Electronics                      EC7-20M2-MV-NW-3-GY-530-WL
- \_\_\_\_\_

**LARGE COBRA HEAD HIGH WATTAGE**

- Leotek Electronics                      EC7-20M2-MV-NW-3-GY-700-WL
- \_\_\_\_\_

**EXTRA-LARGE COBRA HEAD HIGH WATTAGE**

- Leotek Electronics                      EC9-30M2-MV-NW-3-GY-700-WL
- \_\_\_\_\_

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**DECORATIVE LIGHT FIXTURES**

**DESCRIPTION:** Decorative light fixtures used for supporting luminaires.

**USE:** For use with illumination systems and poles.

**BRAND/MANUFACTURER**

**CATALOGUE/PART NO.**

**ACORN LIGHTS**

- |   |  |
|---|--|
| <input type="checkbox"/> King Luminaire | K118R-B3AR-IV-75(SSL)-1036-120:227-K18-SST-PR7-3000K |
| <input type="checkbox"/> _____          | _____  |

**PENDANT LIGHTS**

- |   |                                    |
|---|------------------------------------|
| <input type="checkbox"/> Cyclone Lighting | SY21P1-GAL-3-60W-3K-120-DIM-CP4377 |
| <input type="checkbox"/> _____            | _____                              |

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**PHOTOELECTRIC CELLS AND SHORTING CAPS**

**DESCRIPTION:** A photoelectronic device used for turning on luminaires.

**USE:** To activate illumination systems.

**BRAND/MANUFACTURER**                      **CATALOGUE/PART NO.**

**PHOTO CELL FOR COBRA AND PENDANT LIGHTS**

- Ripley LongLife II                      6390LL-BK
- \_\_\_\_\_

**PHOTO CELL FOR ACORN LIGHTS**

- Ripley                                      RD8645
- \_\_\_\_\_
- \_\_\_\_\_

**SHORTING CAPS**

- \_\_\_\_\_
- \_\_\_\_\_

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**LED LIGHT SHIELDS**

**DESCRIPTION:** Light fixture shields used for limiting light for house side or cul-de-sac situations.

**USE:** For use with illumination systems and luminaires.

**BRAND/MANUFACTURER**                      **CATALOGUE/PART NO.**

**HOUSE SIDE SHIELD**

- |   |               |
|---|---------------|
| <input type="checkbox"/> Leotek Electronics | HHS EC1 (6M)  |
| <input type="checkbox"/> Leotek Electronics | HHS EC3 (10M) |
| <input type="checkbox"/> Leotek Electronics | HHS EC7 (20M) |
| <input type="checkbox"/> _____              | _____         |
| <input type="checkbox"/> _____              | _____         |
| <input type="checkbox"/> _____              | _____         |
| <input type="checkbox"/> _____              | _____         |

**CUL-DE-SAC SHIELD**

- |   |               |
|---|---------------|
| <input type="checkbox"/> Leotek Electronics | CSS EC1 (6M)  |
| <input type="checkbox"/> Leotek Electronics | CSS EC3 (10M) |
| <input type="checkbox"/> Leotek Electronics | CSS EC7 (20M) |
| <input type="checkbox"/> _____              | _____         |
| <input type="checkbox"/> _____              | _____         |
| <input type="checkbox"/> _____              | _____         |
| <input type="checkbox"/> _____              | _____         |
| <input type="checkbox"/> _____              | _____         |
| <input type="checkbox"/> _____              | _____         |

<p><b><u>INITIAL SUBMITTAL</u></b></p> <p><input type="checkbox"/> <b>QUALIFIED</b></p> <p><input type="checkbox"/> <b>QUALIFIED AS NOTED</b></p> <p><input type="checkbox"/> <b>RETURNED FOR CORRECTION</b></p> <p>Date: _____</p> <p>Name: _____</p> <p>Qualifications or corrections are subject to all requirements of the current issue of the City of Gresham Public Works Standards as modified by the Project Special Provisions.</p>
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**IN-LINE FUSED DISCONNECTS**

**DESCRIPTION:** In-line fused disconnects used for disconnecting luminaires from power for servicing.

**USE:** For use with illumination systems and luminaires.

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
----------------------------------	----------------------------------

**DISCONNECTS**

<input type="checkbox"/> Littelfuse	WPB1
<input type="checkbox"/> Littelfuse	LEB-JJ
<input type="checkbox"/> Bussmann	2A0660
<input type="checkbox"/> Bussmann	HEB-JJ
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____

<b><u>INITIAL SUBMITTAL</u></b>
<input type="checkbox"/> <b>QUALIFIED</b>
<input type="checkbox"/> <b>QUALIFIED AS NOTED</b>
<input type="checkbox"/> <b>RETURNED FOR CORRECTION</b>
Date: _____
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**SERVICE PEDESTALS**

**DESCRIPTION:** Service pedestals used for providing one connection point between City lights and PGE power source.

**USE:** For use with illumination systems and luminaires.

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
----------------------------------	----------------------------------

**PEDESTALS**

- |  |         |
|--|---------|
| <input type="checkbox"/> Cooper B-line | CUP4111 |
| <input type="checkbox"/> _____         | _____   |
| <input type="checkbox"/> _____         | _____   |
| <input type="checkbox"/> _____         | _____   |
| <input type="checkbox"/> _____         | _____   |
| <input type="checkbox"/> _____         | _____   |
| <input type="checkbox"/> _____         | _____   |
| <input type="checkbox"/> _____         | _____   |
| <input type="checkbox"/> _____         | _____   |

**RISER FRAME**

- |  |        |
|--|--------|
| <input type="checkbox"/> Cooper B-line | MB1515 |
| <input type="checkbox"/> _____         | _____  |
| <input type="checkbox"/> _____         | _____  |
| <input type="checkbox"/> _____         | _____  |
| <input type="checkbox"/> _____         | _____  |
| <input type="checkbox"/> _____         | _____  |
| <input type="checkbox"/> _____         | _____  |
| <input type="checkbox"/> _____         | _____  |
| <input type="checkbox"/> _____         | _____  |

**INITIAL SUBMITTAL**

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**JUNCTION BOX (CONCRETE)**

**DESCRIPTION:** Open-bottom boxes of pre-cast reinforced concrete w/Brass or stainless steel fasteners. Polymer concrete also.

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
<b><u>JB1</u></b>	
<input type="checkbox"/> Oldcastle	Box - S1118B12AA Lid – S1118HBBOA
<input type="checkbox"/> Oldcastle (Duralite Max)	11182575
<input type="checkbox"/> Channell	BULKU111812
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____

<b><u>JB2</u></b>	
<input type="checkbox"/> Oldcastle	Box - S1324B12AA Lid –S1324HBBOA
<input type="checkbox"/> Newbasis	FCA132412T-90013
<input type="checkbox"/> Newbasis	FCA132412T-00150
<input type="checkbox"/> Channell	BULKU132412
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____

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**JUNCTION BOX (HYBRID)**

**DESCRIPTION:** Open-bottom boxes made of polymer, fiberglass, and/or polymer concrete.

**USE:** Pull box for 120V AC conduit runs. Junction box for DC conduit runs. (splices to loop feeder cable).

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
----------------------------------	----------------------------------

**JB1**

- |   |  |
|---|--|
| <input type="checkbox"/> Christy Concrete/Oldcastle | Box - S1118B12AA<br>Lid – S1118HBBOA   |
| <input type="checkbox"/> Synertech                  | Box - S1118B12FA<br>Lid – S1118HBBOA01 |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |

**JB2**

- |   |  |
|---|--|
| <input type="checkbox"/> Christy Concrete/Oldcastle | Box - S1324B12AA<br>Lid –S1324HBBOA    |
| <input type="checkbox"/> Synertech                  | Box - S1324B12FA<br>Lid – S1324HBBOA01 |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |
| <input type="checkbox"/> _____                      | _____                                  |

**INITIAL SUBMITTAL**

**QUALIFIED**

**QUALIFIED AS NOTED**

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**CONDUIT (METALLIC)**

**DESCRIPTION:** Galvanized rigid conduit and fittings.

**USE:** Houses electrical conductors.

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
<input type="checkbox"/> Republic	All galv. rigid conduit
<input type="checkbox"/> Picoma	All galv. rigid conduit
<input type="checkbox"/> Allied Tube & Conduit	All galv. rigid conduit
<input type="checkbox"/> Conduit Pipe Products	All galv. rigid conduit
<input type="checkbox"/> Western Tube & Conduit	All galv. rigid conduit
<input type="checkbox"/> Wheatland Tube Co.	All galv. rigid conduit
<input type="checkbox"/> Shamrock (T&B)	All galv. rigid conduit
<input type="checkbox"/> Cal Pipe Manufacturing	All galv. rigid conduit
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____

**Liquid-Tight Flexible**

<input type="checkbox"/> Anamet Electrical Inc. (Anaconda Sealtite)	Type UA
<input type="checkbox"/> Southwire	Titan Type UL
<input type="checkbox"/> AFC Cable Systems	LiquidTuff Type LFMC
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____

**INITIAL SUBMITTAL**

- QUALIFIED
- QUALIFIED AS NOTED
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**CONDUIT (NON-METALLIC)**

**DESCRIPTION:** PVC, High Density Polyethylene, and Fiberglass rigid non-metallic conduit and fittings.

**USE:** Houses electrical conductors.

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
----------------------------------	----------------------------------

**PVC (UL 651)**

- |  |              |
|--|--------------|
| <input type="checkbox"/> PW Pipe                   | Sch. 40 & 80 |
| <input type="checkbox"/> Carlon                    | Sch. 40 & 80 |
| <input type="checkbox"/> Cantex                    | Sch. 40      |
| <input type="checkbox"/> J-M Manufacturing         | Sch. 40 & 80 |
| <input type="checkbox"/> Kraloy                    | Sch. 40      |
| <input type="checkbox"/> Ipex/Scepter              | Sch. 40      |
| <input type="checkbox"/> Cresline Northwest        | Sch. 40      |
| <input type="checkbox"/> Ridgeline                 | Sch. 40      |
| <input type="checkbox"/> Heritage Plastics Central | Sch. 40      |
| <input type="checkbox"/> _____                     | _____        |
| <input type="checkbox"/> _____                     | _____        |
| <input type="checkbox"/> _____                     | _____        |
| <input type="checkbox"/> _____                     | _____        |
| <input type="checkbox"/> _____                     | _____        |
| <input type="checkbox"/> _____                     | _____        |
| <input type="checkbox"/> _____                     | _____        |
| <input type="checkbox"/> _____                     | _____        |

**HDPE (UL 651B)**

- |  |              |
|--|--------------|
| <input type="checkbox"/> Carlon          | Sch. 40 & 80 |
| <input type="checkbox"/> Arnco/Dura-Line | Sch. 40 & 80 |
| <input type="checkbox"/> _____           | _____        |
| <input type="checkbox"/> _____           | _____        |
| <input type="checkbox"/> _____           | _____        |
| <input type="checkbox"/> _____           | _____        |
| <input type="checkbox"/> _____           | _____        |
| <input type="checkbox"/> _____           | _____        |
| <input type="checkbox"/> _____           | _____        |
| <input type="checkbox"/> _____           | _____        |

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**GROUND ROD AND CLAMP**

**DESCRIPTION:** Copper coated 5/8 inch metal rod,  
8 feet to 10 feet long w/clamp

**USE:** All poles, conduit runs with 120V+ AC, and controller  
must be bonded to ground rod using full-contact clamps.

**BRAND/MANUFACTURER                      CATALOGUE/PART NO.**

**GROUND ROD**

- |                          |                            |         |
|--------------------------|----------------------------|---------|
| <input type="checkbox"/> | Thomas & Betts (Blackburn) | 6258    |
| <input type="checkbox"/> | Eritech                    | 615880  |
| <input type="checkbox"/> | PP Porcelain Products      | 8438    |
| <input type="checkbox"/> | Petron Pacific             | 5/8"    |
| <input type="checkbox"/> | Hubbell/Chance             | C615855 |
| <input type="checkbox"/> | _____                      | _____   |
| <input type="checkbox"/> | _____                      | _____   |

**CLAMP**

- |                          |                            |            |
|--------------------------|----------------------------|------------|
| <input type="checkbox"/> | Thomas & Betts (Blackburn) | JAB58H     |
| <input type="checkbox"/> | Burndy                     | GRC58      |
| <input type="checkbox"/> | PENN-UNION                 | CAB or CEB |
| <input type="checkbox"/> | PP Porcelain Products      | 8058       |
| <input type="checkbox"/> | Eritech                    | HDC58      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |
| <input type="checkbox"/> | _____                      | _____      |

**CHEMICAL GROUND SYSTEM**

- |                          |                            |       |
|--------------------------|----------------------------|-------|
| <input type="checkbox"/> | Tessco                     | n/a   |
| <input type="checkbox"/> | Superior Grounding Systems | n/a   |
| <input type="checkbox"/> | Erico                      | n/a   |
| <input type="checkbox"/> | _____                      | _____ |
| <input type="checkbox"/> | _____                      | _____ |
| <input type="checkbox"/> | _____                      | _____ |
| <input type="checkbox"/> | _____                      | _____ |
| <input type="checkbox"/> | _____                      | _____ |

<p><b><u>INITIAL SUBMITTAL</u></b></p> <p><input type="checkbox"/> <b>QUALIFIED</b></p> <p><input type="checkbox"/> <b>QUALIFIED AS NOTED</b></p> <p><input type="checkbox"/> <b>RETURNED FOR CORRECTION</b></p> <p>Date: _____</p> <p>Name: _____</p> <p>Qualifications or corrections are subject to all requirements of the current issue of the City of Gresham Public Works Standards as modified by the Project Special Provisions.</p>
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**XHHW WIRE**

**DESCRIPTION:** XHHW is stranded copper conductor with cross linked polyethylene insulation. No THWN will be used.

**USE:** All single conductor applications are XHHW.

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
<input type="checkbox"/> Rome Cable (Anixter)	WIRE
<input type="checkbox"/> General Cable (Anixter)	
<input type="checkbox"/> Southwire	MUST
<input type="checkbox"/> Encore Wire	
<input type="checkbox"/> Service Wire Co	BE
<input type="checkbox"/> Kris Tech (KT) Wire	
<input type="checkbox"/> _____	MARKED.
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	ADDITIONAL
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	MARKINGS
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	ARE
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	ALLOWED.

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**CABLE WIRE**

**DESCRIPTION:** 3-conductor, 7 strand, minimum #10. **CABLE WIRE** is stranded copper conductor with cross linked polyethylene insulation. No **THWN** will be used.

**USE:** All single conductor applications are XHHW.

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
<input type="checkbox"/> Rome Cable (Anixter)	WIRE
<input type="checkbox"/> General Cable (Anixter)	
<input type="checkbox"/> Southwire	MUST
<input type="checkbox"/> Encore Wire	
<input type="checkbox"/> Service Wire Co	BE
<input type="checkbox"/> Kris Tech (KT) Wire	
<input type="checkbox"/> _____	MARKED.
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	ADDITIONAL
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	MARKINGS
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	ARE
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	ALLOWED.

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**OVERHEAD WIRE EQUIPMENT**

**DESCRIPTION:** Wedge grip clamps allow for sag before the conductor is cut.

**USE:** Installed at any point on the conductor.

<b><u>BRAND/MANUFACTURER</u></b>	<b><u>CATALOGUE/PART NO.</u></b>
<input type="checkbox"/> PCC Insulators	1061F
<input type="checkbox"/> PCC Insulators	1062F
<input type="checkbox"/> PCC Insulators	1063F
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____
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