
Mid-Multnomah County Street Lighting Service District No. 14



PRE APPROVED MATERIALS LIST
STREETLIGHT SHEETS

SUBMITTALS
FOR FIELD QUALIFICATION
STREETLIGHT EQUIPMENT AND RELATED MATERIALS

PROJECT MANAGER: _____

PROJECT: _____

CONST. PERMIT NO.: _____

**SUBMITTING
CONTRACTOR:** _____

DATE SUBMITTED: _____

**CONTRACTOR
REPRESENTATIVE:** _____

PHONE: _____

EMAIL: _____

PRE-APPROVED MATERIALS LIST INSTRUCTIONS

These sheets serve two purposes:

1. They are a list of pre-approved streetlight equipment and materials that can be installed in The Mid-Multnomah County Street Lighting Service District No. 14 (District)
2. They are a required Design Document for a Developer/Contractor to submit to the District prior to the approval and First Notification of a Construction Permit.

These sheets can be found on the District's Web site. They will be provided for each project, to ensure that they are the most current copy.

District projects may require additional materials not listed on these sheets, and, except as otherwise provided in the District Administrative Rules, the District does not regulate those materials.

All capitalized terms not defined in this document shall have the meanings set forth in the District's Administrative Rules.

INITIAL SUBMITTAL

The Developer/Contractor will:

1. Submit the Streetlight Sheets electronically to the [Multnomah County Permit Portal](#) with other required Design Documents for a Construction Permit.
2. Fill out the Streetlight Sheets based on the projects requirements
 - a. In the **CONTENTS** pages check the box for all items that are "**ON PROJECT**". **This removes the need to submit the materials page(s) for those items not on the project.**
 - 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, and an explanation why the material variance is necessary based on the criteria set forth in the District Administrative Rules.
 - iii. Except for conduit and wire, do not mark more than **two** options per item.

District Staff 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 District Administrator for review.
3. Return a copy of the Streetlight Sheets to the Contractor

CONSTRUCTION

Materials delivered to the 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 approved during the INITIAL SUBMITTAL. Install per Construction Permit plan and specifications.

The District Inspector will:

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

CONTENTS

**PAGE
NO.**

**ON
PROJECT**

INITIAL SUBMITTAL

**AGREE WITH "ON PROJECT"
RETURNED FOR CORRECTION**

Date: _____

Name: _____

Qualifications or corrections are subject to all requirements of the current District Standard Details and Administrative Rules as modified by the Construction Permit Special Provisions.

STREETLIGHT POLES, ARMS, AND FOUNDATIONS

- 4. FIBERGLASS POLES
- 5. DECORATIVE POLES
- 6. ALUMINUM DAVIT POLES
- 7. WOOD POLE MAST ARMS
- 8. POLE FOOTINGS

LUMINAIRE FIXTURES

- 9. LED COBRA HEAD LIGHT FIXTURES
- 10. DECORATIVE LIGHT FIXTURES
- 11. PHOTOELECTRIC CELLS

WIRING AND ELECTRICAL SERVICE

- 12. IN-LINE FUSE HOLDERS
- 13. WIRE CONNECTORS
- 14. SERVICE PEDESTALS

CONDUIT & APPURTENANCES

- 15. CONDUIT (METALLIC)
- 16. CONDUIT (NON-METALLIC)
- 17. CONDUIT BUSHINGS
- 18. CONDUIT PLUG
- 19. PULL LINE
- 20. UNDERGROUND WARNING TAPE

JUNCTION BOX

- 21. JUNCTION BOXES (CONCRETE, POLYMER CONCRETE, & HYBRID)

CABLES, WIRES, GROUNDING & BONDING

- 22. BOND WIRE
- 23. GROUND ROD & CLAMP
- 24. XHHW WIRE
- 25. CABLE WIRE
- 26. OVERHEAD WIRE EQUIPMENT

FIBERGLASS POLES

Approved Products:

Pole Stub Piece

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Shakespeare	BHS3099N3BL9901

Pole Top Piece

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Shakespeare	BHT3099S3BL9901

6-Foot Mast Arms

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Shakespeare	OPAR-6-GY-H

Write-In Items (Attach Cut Sheets)

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
_____	_____
_____	_____

INITIAL SUBMITTAL

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DECORATIVE POLES

Approved Products:

Post Top Light Poles (16 Foot)

Brand/Manufacturer	Catalog/Part No.
Continental Pole	PGE-16
Hadco	P-2065-16-A
Hadco	CP16020 (3.5 tenon)
Amerlux Exterior LLC	AP1305-16/BLK-PGE-GBL
Pacific Lighting	DBCS-5F-16
Hapco	77920L-24PGE
Holophane	WDA 16 F5J 17 P07 LAB BK

Post Top Light Poles (14 Foot)

Brand/Manufacturer	Catalog/Part No.
Continental Pole	PGE-14
Hadco	P-2065-14-A
Amerlux Exterior LLC	AP1305-14/BLK-PGE-GBL
Pacific Lighting	DBCS-5F-14
Hapco	77920PGE
Holophane	WDA 14 F5J 17 P07 LAB BK

Troutdale Historic Light Poles

Brand/Manufacturer	Catalog/Part No.
Spring City	Edgewater LP-21135
Visco	VI-M/CI/11'-1

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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ALUMINUM DAVIT POLES

Approved Products:

Brand/Manufacturer	Catalog/Part No.
Valmont	350086106D4Z
Hapco	RTA35D8B4D16-01
P&K Pole Products	RTA8M35AAD16

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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STEEL MAST ARMS FOR WOOD POLES

Approved Products:

4-Foot Steel Mast Arms

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Valmont	ACSC 125-040
Utility Metals	U125S040
SALCO	WP-125-4-S
Macleam Power Systems	S-125-4G

6-Foot Steel Mast Arms

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Utility Metals	P125S060
SALCO	WP-125-6-S
Macleam Power Systems	S-125-6G

8-Foot Steel Mast Arms

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Utility Metals	S1252080
SALCO	WPSG-125-8-S-PGE
Macleam Power Systems	S-125-8SG-30R

Write-In Items (Attach Cut Sheets)

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
_____	_____
_____	_____

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POLE FOOTINGS

Approved Products:

Footings for 25- to 35-Foot Poles

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Oldcastle	7-LB-PGE

Footings for Decorative Poles

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Oldcastle	5CL-LB-PGE

Footings for Historic Troutdale Poles

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Oldcastle	24R-LB ¹

Write-In Items (Attach Cut Sheets)

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
<input type="checkbox"/> _____	_____
<input type="checkbox"/> _____	_____

1. May be substituted with a cast in place foundation. See Standard Details for more information.

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LED COBRA HEAD LIGHT FIXTURES

Approved Products:

Standard Cobra Head Low Wattage Residential

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Leotek Electronics	Green Cobra Junior Type 2 Dist.; 3000K Part Number Varies

Catalog/Part No(s) Used of Project

Standard Cobra Head Medium to High Wattage

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Leotek Electronics	Green Cobra Junior Type 3 Dist.; 4000K Part Number Varies

Catalog/Part No(s) Used of Project

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DECORATIVE LIGHT FIXTURES

Approved Products:

Post Top Lights

Neighborhood Post Top

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
<input type="checkbox"/> Holophane	WFCL-PXX ¹ -30K-AS-BK- L3-P7-AO

Troutdale Halsey Post Top

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
King Luminaire (Halsey)	K56-S-K24-P4AR-III-120-SSL-7030-120:277V-PR7-3K-#6
King Luminaire (Local Streets)	K56-S-K24-P4AR-III-40-SSL-7030-120:277V-PR7-3K-#6

Fairview Halsey Post Top

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
King Luminaire	K445R-TIGR-IV-100-SSL-4004-120V-K14-GH-3K-CRS-BK-#1

Historic Post Top

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Visco	1300A-78W-LED-T3-3000K
Spring City w/o photocell	ALMEDL-LE040/EVX/X2-30-CR3-YPLF-FED-CU
Spring City w/ photocell	ALMEDL-LE040/EVX/X2-30 -CR3-YPLF-TR7P-CU

Write-In Items (Attach Cut Sheets)

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
_____	_____
_____	_____

1. Varies based on lighting design

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PHOTOELECTRIC CELLS AND SHORTING CAPS

Approved Products:

Photoelectric Cell for Cobra Lights

Brand/Manufacturer	Catalog/Part No.
Ripley LongLife II	6390LL-BK

Photoelectric Cell for Post Top Lights

Brand/Manufacturer	Catalog/Part No.
Intermatic	LED4536SWK

Shorting Caps

Brand/Manufacturer	Catalog/Part No.
Dayton	26WA88
Intermatic	K4500
Ripley Lighting Controls	6005

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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IN-LINE FUSED DISCONNECTS

Approved Products:

Brand/Manufacturer	Catalog/Part No.
Bussmann	2A0660
Bussmann	HEB-JJ

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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WIRE CONNECTORS

Approved Products:

Brand/Manufacturer	Catalog/Part No.
Ideal WeatherProof®	Model 61® Gray/Orange
Ideal WeatherProof®	Model 62® Gray/Red
Ideal WeatherProof®	Model 63® Gray/Dk. Blue
Ideal WeatherProof®	Model 60® Gray/Gray
Ideal WeatherProof®	Model 64® Gray/Dk. Blue
Ideal WeatherProof®	Model 66® Gray/Dk. Blue

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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SERVICE PEDESTALS

Approved Products:

Pedestals (Unmetered)

Brand/Manufacturer	Catalog/Part No.
Cooper B-line	CUP4111

Pedestals (Metered)

Brand/Manufacturer	Catalog/Part No.
Cooper B-line	CMP4111

Riser Frame

Brand/Manufacturer	Catalog/Part No.
Cooper B-line	MB1515

Pole Mounted

Brand/Manufacturer	Catalog/Part No.
Fouch	Portland Type A

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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CONDUIT (METALLIC)

Approved Products:

Rigid

Brand/Manufacturer	Catalog/Part No.
Republic	All galv. rigid conduit
Picoma	All galv. rigid conduit
Allied Tube & Conduit	All galv. rigid conduit
Conduit Pipe Products	All galv. rigid conduit
Western Tube & Conduit	All galv. rigid conduit
Wheatland Tube Co.	All galv. rigid conduit
Shamrock (T&B)	All galv. rigid conduit
Cal Pipe Manufacturing	All galv. rigid conduit

Liquid-Tight Flexible

Brand/Manufacturer	Catalog/Part No.
Anamet Electrical Inc. (Anaconda Sealtite)	Type UA
Southwire	Titan Type UL
AFC Cable Systems	LiquidTuff Type LFMC

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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CMO REQUIRED (If steel or iron, see specifications)

Received Date: _____

CONDUIT (NON-METALLIC)

Approved Products:

PVC

Brand/Manufacturer	Catalog/Part No.
PW Pipe	Sch. 40 & 80
Carlton/Prime Conduit	Sch. 40 & 80
Cantex	Sch. 40
J-M Manufacturing	Sch. 40 & 80
Kraloy	Sch. 40
Ipex/Scepter	Sch. 40
Cresline Northwest	Sch. 40
Ridgeline	Sch. 40
Heritage Plastics Central	Sch. 40
Rocky Mountain Colby Pipe	Sch. 40 & 80
Allied-Heritage	Sch. 40 & 80
Raceways Technology & Manufacturing	Sch. 40 & 80

HDPE

Brand/Manufacturer	Catalog/Part No.
Carlton	Sch. 40 & 80
Arnco/Dura-Line	Sch. 40 & 80
PERMA-GUARD	Sch. 40 & 80

Fiberglass

Brand/Manufacturer	Catalog/Part No.
Champion Fiberglass	Sch. 40 & 80
FRE Composites	Sch. 40 & 80
United Fiberglass of America	Sch. 40 & 80
Raceways Technology & Manufacturing	Sch. 40 & 80

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____
_____	_____

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CONDUIT BUSHINGS

Approved Products:

Metallic

Brand/Manufacturer	Catalog/Part No.
Bridgeport	#363 thru #370
T & B	#1224,1226 thru 1229
RACO	#1127 thru 1134
Crouse-Hinds	#1033 thru 1038

Non-Metallic

Brand/Manufacturer	Catalog/Part No.
Cantex	#5144005 thru 5144010
PW Pipe	#6150-0200 #6150-300
Kraloy	#MEB05-MEB40

Metallic (Bonded)

Brand/Manufacturer	Catalog/Part No.
Blackjack (Thomas & Betts)	'BG' series
Appleton	'GIB' series
Crouse-Hinds (Lazy Lug)	GLL-1 thru GLL-12 (All)
Arlington Industries	452 thru 457
Bridgeport	#383 thru 390
RACO	1214, 1216, 1218,1290 & 1292
O-Z/Gedney	BLG, HBLG

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____
_____	_____

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CMO REQUIRED (If steel or iron, see specifications)

Received Date: _____

CONDUIT PLUG

Approved Products:

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Lantz Electric	"Foam Factory"

Write-In Items (Attach Cut Sheets)

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
_____	_____
_____	_____

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PULL LINE

Approved Products:

Brand/Manufacturer	Catalog/Part No.
Greenlee	Polypro 3/8"
Garvin Industries	PT-1250
Dottie	3800 Series
Ideal Industries	31-844 thru 31-846

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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UNDERGROUND WARNING TAPE

Approved Products:

Brand/Manufacturer	Catalog/Part No.
Dottie	UT-29D
Ideal	#42-151
Reef Industries	Standard 250
Cully	UG Burial Tape
Harris	UT-29

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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**JUNCTION BOX (CONCRETE, POLYMER
CONCRETE & HYBRID)**

Preapproved Products:

JB-1

Brand/Manufacturer	Catalog/Part No.
ARMORCAST	A6001425TA
ARMORCAST	A6000485TAX12
CDR	SA20101512
Quazite	PG1118BA12 w/PG1118HA lid
Oldcastle	H1118-12 w/ Poly Tier 15 Lid
Newbasis	PCA111812-90011/90012
Martin Enterprises	111812PC Tier 22
Oldcastle	S1118B12AA w/S1118HBBOA Lid
Oldcastle (Duralite Max)	11182575
Channell	BULKU111812
Brooks Products	36PB w/Poly Tier 15 Lid
Oldcastle	N9 w/ Poly Tier 15 Lid

JB-2

Brand/Manufacturer	Catalog/Part No.
ARMORCAST	A6001946TAPCX12
CDR	SA20132412
Quazite	PG1324BA12 w/PG1324HA lid
Oldcastle	H1324-12 w/ Poly Tier 15 Lid
Newbasis	PCA132412-90030/90031
Martin Enterprises	122012PC Tier 22
Brooks Products	40PB w/Poly Tier 15 Lid
Oldcastle	N30 w/ Poly Tier 15 Lid
Oldcastle	S1324B12AA w/S1324HBBOA Lid
Newbasis	FCA132412T-90013
Newbasis	FCA132412T-00150
Oldcastle (Duralite)	132412DL
Channell	BULKU132412

JB-3

Brand/Manufacturer	Catalog/Part No.
ARMORCAST	A6001640TAPCX12
CDR	SA20173012
Quazite	PG1730BA12 w/ PG1730HA lid
Oldcastle	H1730-12 w/ Poly Tier 15 Lid
Newbasis	PCA173012-90015/90016
Martin Enterprises	173012PC Tier 22
Brooks Products	66PB w/Poly Tier 15 Lid
Oldcastle	N36 w/ Poly Tier 15 Lid
Oldcastle	S1730B12AA w/S1730HBBOA Lid
Newbasis	FCA173012T-90007
Newbasis	FCA173012T-00294
Oldcastle (Duralite)	173012DL
Channell	BULKU173012

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***NOTE THAT PGE TYPE 1730 BOXES
ARE NOT LISTED. SEE PGE'S PRE-
APPROVED MATERIALS LIST FOR
1730 BOXES.***

BOND WIRE

Preapproved Products:

Brand/Manufacturer	Catalog/Part No.
Republic Wire (Anixter)	#6 AWG 7 Strand
General Cable (Anixter)	#6 AWG 7 Strand
Rome (Anixter)	#6 AWG 7 Strand
Superior Essex	#6 AWG 7 Strand
Southwire	#6 AWG 7 Strand
Encore	#6 AWG 7 Strand
Nehring	#6 AWG 7 Strand
Service Wire Co	#6 AWG 7 Strand

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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GROUND ROD & CLAMP

Approved Products:

Ground Rod

Brand/Manufacturer	Catalog/Part No.
Thomas & Betts (Blackburn)	6258
Eritech	615880
PP Porcelain Products	8438
Petron Pacific	5/8"
Hubbell/Chance	C615855

Clamp

Brand/Manufacturer	Catalog/Part No.
Thomas & Betts (Blackburn)	JAB58H
Burndy	GRC58
PENN-UNION	CAB or CEB
PP Porcelain Products	8058
Eritech	HDC58
ILSCO	C6RC58

Chemical Ground System

Brand/Manufacturer	Catalog/Part No.
Tessco	n/a
Superior Grounding Systems	n/a
Erico	n/a

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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XHHW WIRE

**ONLY XHHW WIRE IS PERMITTED ON DISTRICT JOBS.
NO TFFN OR THWN WIRE WILL BE ACCEPTED.**

Approved Products:

Brand/Manufacturer	Catalog/Part No.
Rome Cable (Anixter)	WIRE
General Cable (Anixter)	MUST
Southwire	BE
Encore Wire	MARKED
Service Wire Co	ADDITIONAL
Kris Tech (KT) Wire	MARKINGS
Advanced Digital Cable	ALLOWED
Cerrowire	
CME Wire	

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

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TC CABLE WIRE

3-CONDUCTOR, 7 STRAND, MINIMUM #10 AWG. CABLE WIRE IS STRANDED COPPER CONDUCTOR WITH CROSS LINKED POLYETHYLENE INSULATION.

ONLY XHHW WIRE IS PERMITTED ON DISTRICT JOBS.

NO TFFN OR THWN WIRE WILL BE ACCEPTED.

Approved Products:

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
Rome Cable (Anixter)	WIRE
General Cable (Anixter)	MUST
Southwire	BE
Encore Wire	MARKED
Service Wire Co	ADDITIONAL MARKINGS
Kris Tech (KT) Wire	ALLOWED

Write-In Items (Attach Cut Sheets)

<u>Brand/Manufacturer</u>	<u>Catalog/Part No.</u>
_____	_____
_____	_____

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OVERHEAD WIRE EQUIPMENT

Approved Products:

Wedge Grip Clamps

Brand/Manufacturer	Catalog/Part No.
PCC Insulators	1061F
PCC Insulators	1062F
PCC Insulators	1063F

Write-In Items (Attach Cut Sheets)

Brand/Manufacturer	Catalog/Part No.
_____	_____
_____	_____

INITIAL SUBMITTAL

QUALIFIED

QUALIFIED AS NOTED

RETURNED FOR CORRECTION

Date: _____

Name: _____

Qualifications or corrections are subject to all requirements of the current District Standard Details and Administrative Rules as modified by the Construction Permit Special Provisions.