

#### GENERAL POWER NOTES:

- ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.
- ELECTRICAL SERVICE ENTRANCE EQUIPMENT DESIGN IS BASED ON SIEMENS PRODUCTS. ACTUAL PRODUCTS USED MAY DIFFER IN SIZE AND CONFIGURATION AND SHALL BE NOTED IN FINAL PROJECT DOCUMENTS.
- COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT AND CONDUCTORS REQUIREMENTS.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH PGE ELECTRICAL SERVICE REQUIREMENTS.
- U.G. PRIMARY FEEDER SHALL HAVE A MINIMUM 48 INCH BURY.
- U.G. SECONDARY FEEDER SHALL HAVE A MINIMUM 36 INCH BURY.
- REFER TO SHEET E1.11 FOR TYPICAL FEEDER SCHEDULE.
- SECONDARY CONDUIT SWEEPS SHALL BE MINIMUM 60 INCH RADIUS WITH A MINIMUM OR 7'-0" STRAIGHT CONDUIT RUN BETWEEN SWEEPS.
- LOCATION AND INSTALLATION OF THE PRIMARY AND SECONDARY CONDUITS, TRANSFORMER, ETC. SHALL BE PROVIDED PER PGE ELECTRICAL SERVICE REQUIREMENTS.
- REFER TO SHEET E3.01 FOR ELECTRICAL ROOM EQUIPMENT LAYOUT.
- SITE LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL FOR DUSK-TIL-DAWN OPERATION AND PROVIDE LIGHTING REDUCTIONS FOR PERIODS OF LOW ACTIVITY.
- REFER TO E2 SERIES SHEETS FOR BUILDING MOUNTED LIGHT FIXTURES.
- REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.

#### KEYED POWER NOTES:

- PROVIDE ONE 20A, 120V WEATHER PROOF GFCI RATED DUPLEX RECEPTACLE IN WATER VAULT. VERIFY WITH CIVIL ENGINEER. ROUTE CIRCUIT UNDERGROUND FROM HOUSE PANEL IN 3/4" PVC CONDUIT WITH MINIMUM 36" BURY.
- REFER TO ONE-LINE DIAGRAM ON SHEET E1.2 AND CONSULT CIVIL UTILITY PLANS FOR ADDITIONAL INFORMATION.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT, TIED INTO SITE LIGHTING CIRCUIT AS INDICATED, TO WEATHER PROOF JUNCTION BOX FOR BUILDING SIGN LIGHT FIXTURE. BUILDING SIGN TO BE PROVIDED WITH DUSK-TIL-DAWN OPERATION VIA PHOTOCELL OR MECHANICAL TIME CLOCK. CONSULT OWNER FOR PREFERRED DEVICE.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT TO WEATHER PROOF JUNCTION BOX FOR LOW VOLTAGE LANDSCAPE LIGHTING. REFER TO SHEET E1.21 FOR FIXTURE TYPE S8, LOW VOLTAGE PATHWAY LIGHTS. ELECTRICAL CONTRACTOR TO PROVIDE FINAL POWER CONNECTION. CONSULT ARCHITECTURAL AND/OR LANDSCAPE PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. LANDSCAPE LIGHTING SHALL BE PROVIDED WITH PHOTOCELL, EITHER INTEGRAL OF REMOTE, FOR DUSK-TIL-DAWN OPERATION.
- STREET LIGHTING SHOWN SHALL MEET COUNTY LIGHTING REQUIREMENTS FOR TYPE, SPACING, CONTROL AND LIGHT LEVELS. FIXTURES SHALL BE TIED INTO SAME STREET LIGHTING CIRCUIT(S) AS STREET LIGHTS ALONG NEW 'D' STREET BY COUNTY THAT RUNS PERPENDICULAR TO THE PUBLIC ACCESS STREET RUNNING THROUGH THE PROPERTY. CONSULT WITH AND COORDINATE ALL WORK WITH STREET LIGHTING CONTRACTOR AND COUNTY REPRESENTATIVE.

#### PGE REQUIREMENTS

- CUSTOMER TO PROVIDE ALL TRENCHING AND BACKFILLING. TRENCH TO BE 36 INCHES DEEP AND 30 INCHES WIDE, MEASURED FROM FINAL GRADE.
- ALL PGE CONDUCTORS TO BE INSTALLED IN GREY SCHEDULE 40, ELECTRICAL GRADE, PVC CONDUIT WITH NYLON PULL STRINGS (MIN 500 LBS. TEST). PGE TO DETERMINE THE SIZE AND NUMBER OF CONDUITS REQUIRED. ALL ELBOWS TO BE 36" INCH (MIN) RADIUS. ALL BENDS MAY BE FACTORY MADE. IF MORE THAN 270 DEGREES OF BENDS OR IF RUN IS LONGER THAN 150 FEET, BENDS MUST BE RIGID STEEL.
- CONSULT WITH PGE REPRESENTATIVE 2 WEEKS BEFORE STARTING MAIN POWER TRENCHING FOR A PRECONSTRUCTION CONFERENCE. INCLUDED IN THIS CONFERENCE WILL BE EXCAVATOR, PGE, TELCO, CATV, AND GAS.
- CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES BEFORE TRENCHING. COORDINATE WITH CIVIL.

#### STREET LIGHTING NOTES:

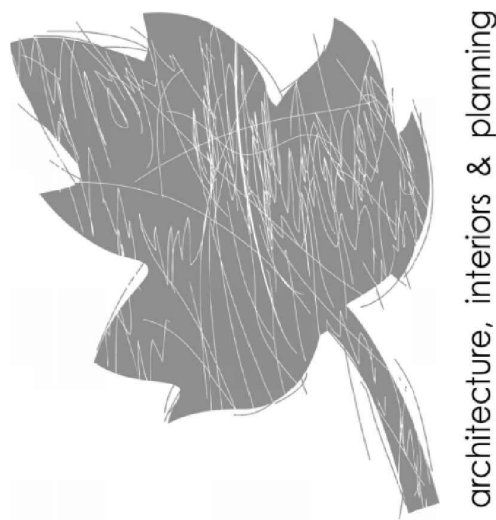
- THE STREET LIGHTING PHOTOMETRIC STUDY ON SHEET E1.02 IS BASED ON FIXTURE INFORMATION PROVIDED BY THE COUNTY HAVING JURISDICTION, UNLESS OTHERWISE NOTED. THIS INFORMATION IS ASSUMED TO BE CORRECT. IF ACTUAL CONDITIONS DIFFER, CONTACT THE COUNTY FOR DIRECTION.
- ALL STREET LIGHTING SHOWN TO BE INSTALLED BY ELECTRICAL CONTRACTOR. CONTRACTOR SHALL CONSULT WITH THE CITY AND PGE TO COORDINATE INSTALLATION, CONDUIT & CONDUCTOR ROUTING, FINAL CONNECTIONS, ETC., AS IT RELATES TO THE STREET LIGHTING.
- EXISTING CONDUIT & CONDUCTOR INFORMATION WITH REGARDS TO THE STREET LIGHTING NOT AVAILABLE TO MFA. 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.

#### PARKING LOT LIGHTING NOTES:

- ASSUME EXISTING PARKING LOT LIGHTS TO BE REPLACED WITH LED FIXTURES WITH LIGHT OUTPUT TO MEET TRI-MET ILLUMINATION LEVEL STANDARDS.
- ALL LIGHT FIXTURES SHALL MATCH COLOR OF POLES AS CLOSELY AS POSSIBLE.
- EXISTING LIGHT POLES SHALL BE REUSED (EP) AND/OR RELOCATED (RP) AS INDICATED ON THE PLANS.
- PROVIDE NEW POLES AS INDICATED (NP). POLES SHALL MATCH EXISTING POLES AS CLOSELY AS POSSIBLE. EXAMPLE: FINISH AND POLE SHAPE (ROUND OR SQUARE).
- PARKING LOT LIGHTING SHALL BE PROVIDED WITH PHOTOCELLS FOR DUSK-TIL-DAWN OPERATION AND DIM BY 50% DURING PERIODS OF LOW ACTIVITY.
- ALL PARKING LOT FIXTURES TO BE NIGHT SKY FRIENDLY.

#### PARKING LOT LIGHTING NOTES:

- EXISTING TRIMET FIXTURE HEAD TO BE ROTATED 90 DEGREES.
- EXISTING LIGHT FIXTURE TO BE REMOVED.
- RELOCATE 30FT LIGHT POLE FIXTURE WITH NEW FIXTURE HEAD, ON 8FT BASE.
- NEW 18FT LIGHT POLE WITH NEW LAMP HEAD(S) AS INDICATED, ON 4FT BASE.
- EXISTING LIGHT POLE TO REMAIN. REPLACE LAMP HEAD AS INDICATED.
- RELOCATE TRI-MET POLE AS SHOWN. VERIFY LOCATION AND POLE BASE TYPE WITH TRI-MET (SHOULD MATCH OTHERS IN THE AREA).
- EXISTING TRIMET AREA LIGHT AND POLE TO REMAIN UNCHANGED.



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## FULLER STATION HOUSING

## PERMIT SET

## DOCUMENTS

9608 SE Fuller Road  
Clackamas County, Oregon, 97086



PROJECT #: 1617.00

SHEET ISSUE DATE: 01/31/2020

#	DESCRIPTION	DATE
1	COUNTY REVIEW RESPONSES	03.05.2021
2	ADDENDUM #1	10.09.2020
6	ASI #01	09.10.2021
	RFI #01	07.20.2021
	RFI #02	08.10.2021
	RFI #03	09.10.2021
	RFI #04	09.30.2021
15	ASI #10	11.05.2021
	RFI #08	11.18.2021
	RFI #09	11.18.2021
	RFI #10	11.18.2021
	RFI #11	11.18.2021
17	ASI #12	12.06.2021
	RFI #12	12.06.2021
	RFI #13	12.06.2021

#### ELECTRICAL SITE PLAN

# E1.01