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ASSOCIATED PERMITS
CITY OF TACOMA COMMERCIAL NEW BUILDING PERMIT, UL-2223-0004
CITY OF TACOMA SITE DEVELOPMENT PERMIT, SOU22-0003

DEFERRED SUBMITTALS
THE STAIRS, LANDING, AND ASPHALT STORAGE TANKS SHALL BE SUBMITTED AS A DEFERRED SUBMITTAL TO THE CITY OF TACOMA PLANNING AND DEVELOPMENT SERVICES.

DATUM
HORIZONTAL: NAD83-91
VERTICAL: NGVD 1929

LEGAL DESCRIPTION PER AVAILABLE PIERCE COUNTY ASSESSOR INFORMATION:
SECTION 07 TOWNSHIP 20 RANGE 03 QUARTER 31: COM NE COR OF SW OF 07-20-03E TH S 840 FT M/L ALG E LI OF SUBD TH S 58 DEG 35 MIN 16 SEC W 42.73 FT TH S 57 DEG 23 MIN W 100 FT M/L TO W LI PINE ST TH NWLY 16.12 FT ALG W LI PINE ST TO POB TH ON A NON-TANGENT LI S 65 DEG 33 MIN 18 SEC W 31.19 FT TH S 31 DEG 01 MIN 04 SEC E 3.55 FT TH S 61 DEG 00 MIN 36 SEC W 292.26 FT TH 254 FT TO E LI VAC CEDAR ST TH S 200 FT ALG SD E LI CEDAR ST TH S 57 DEG 03 MIN 28 SEC W 160 FT M/L TO NE COR OF SHORT PLAT 75-303 TH NELY 199.43 FT TO W LI VAC CEDAR ST TH NELY 55 FT M/L TO C/L VAC CEDAR ST TH NELY 330 FT M/L TO A PT ON SLY LI CENTER ST 52 FT M/L NELY OF W LI CEDAR ST TH NELY ALG S LI CENTER ST 480 FT M/L TO INTER OF S LI CENTER ST & W LI PINE ST TH SELY ALG W LI PINE ST TO POB OUT OF POR 3-007 & 3-066 SEG U-0894 CA ES
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**ELECTRICAL LEGEND**

- **Pole Light Fixtures** (arrow indicates direction of arrival for office)
- **Duplex Receptacles** (S indicates ground fault circuit interrupter, W indicates weatherproof)
- **Racetrack Enclosed (underground or under floor slab)
- **Meter
- **Grounding System Per Code
- ** Junction Box - Size Per Code
- ** Fuse Disconnect Switch
- ** 240V Volt Panelboard
- ** Existing Panelboard to be Retained
- ** Main Distribution Board
- ** Enclosed Circuit Breaker, Amps as indicated
- ** Warehouse

**MISCELLANEOUS**

- **Construction Notes
- **Section Notes: M indicates weatherproof for all devices, provides locking cover on receptacles. All devices with low-voltage weight indicating existing to be retained. All devices with dash line indicates existing to be removed.
- **Mechanical Equipment Connection

**GENERAL NOTES**

- **Electrical drawings are diagrammatic in nature. The contractor shall be familiar with the site and conditions, and shall not rely solely on review of the bidding documents in determining the extent of work. Coordination of these drawings with requirements for contract work is the responsibility of the contractor.
- **The contractor is responsible for all permits and utility fees.
- **Provide conduit supports as required.
- **Provide a ground wire and dedicated neutral for each circuit.
- **All disconnects shall be the heavy duty type.
- **See each sheet for additional general notes that are specific to an area or sheet.
- **All conduit shall be run parallel or perpendicular to structure.
- **The contractor is responsible to verify all OMC, concrete walls and brick walls for cable routing, core drilling and all work required to facilitate a complete and functional system whether specifically indicated or not.
- **All shutout and change-over time shall be kept to a minimum. All building systems shall be discussed and coordinated between the general contractor and all subcontractors. The contractor shall submit a takeoff proposal to the owner for approval. No building system shutdowns shall be allowed without being scheduled and approved by the owner.
- **All circuit extensions and new panelboards shall be conducted, notify project manager for approval, prior to installation of any surface mounted equipment where concealment is not possible. All underground metal raceway shall be non-intrusively and place to match adjacent surface. Seal all edges of concrete upon completion of trenching and backfill.
- **Panel designations and circuit numbers are only indicated on the drawings for reference by the electrical contractor. The electrical contractor is responsible to provide all conduit, wiring, junction boxes and fixtures. It is the responsibility of the electrical contractor to ensure all devices are indicated on the contract documents. All wiring voltages shall be wired conduit back to the designated panelboard, all junction boxes shall be labeled identifying the panelboard and circuit contained within. There shall be no more than (3) circuits per panelboard. Multi-circuit raceways shall be sized per NEC code. All circuits shall be sized per NEC code based on the conductor size, type, quantity and minimum fill requirements. Circuits over 250’ for 120V and 250’ for 277V shall be upsized one wire size to account for voltage drop. E.C. is responsible to show all junction box locations, conduit routing and homing on a set of as-built drawings.

**GENERAL ABBREVIATIONS**

- **E1** = Available Panel Capacity
- **E2** = Conduct
- **E3** = EMT Electrical Metallic Tubing
- **F1** = Two-Handed Pushbutton
- **F2** = Ground Fault Circuit Interrupter
- **F3** = Main Circuit Breaker
- **F4** = Main Loop Device
- **F5** = National Electrical Manufacturers Association
- **F6** = Main Panel Board
- **F7** = Grounding System Per Code

**ELECTRICAL ABBREVIATIONS**

- **10** = 10KA
- **11** = 11KA
- **12** = 12KA
- **13** = 13KA
- **14** = 14KA
- **15** = 15KA
- **16** = 16KA
- **17** = 17KA
- **18** = 18KA
- **19** = 19KA
- **20** = 20KA
- **21** = 21KA
- **22** = 22KA
- **23** = 23KA
- **24** = 24KA
- **25** = 25KA
- **26** = 26KA
- **27** = 27KA
- **28** = 28KA
- **29** = 29KA
- **30** = 30KA

**ELECTRICAL DRAWINGS ARE DIAGRAMMATIC**

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**LIGHTING FIXTURE SCHEDULE**

- **LED Area Light (1) Light** (1605) (G90) (07-77) (1) Total Wattage (1) 4’ ceiling (1) Hardwired (1) Mount to the top of a 4’ x 10’ panel.
**GENERAL NOTES**

1. SEE CIVIL PLANS FOR ADDITIONAL REQUIREMENTS.
2. SEE ONE LINE DIAGRAM ON E3 FOR FEEDER SIZES.
3. ALL LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO STARTING WORK.

**CONSTRUCTION NOTES**

- SECONDARY ELECTRICAL FEED BY TPU. TRENCHING AND CONDUIT BY EC. COORDINATE WORK AND ROUTING WITH TPU.
- PROVIDE CONNECTION TO PUMP CONTROL PANEL, VFD AND MOTOR.
- PROVIDE CONNECTION TO CONTROLLER, HEATER AND PUMP AS REQUIRED BY MANUFACTURER.
- PROVIDE A NEW 25' POLE WITH STAINLESS STEEL FINISH AND POLE BASE WITH FIXTURES. SEE DETAIL 3 ON SHEET E1 FOR POLE BASE INSTALLATION REQUIREMENTS.
- PROVIDE UNISTRUT AND MOUNTING HARDWARE AS REQUIRED. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TPU.
- PROVIDE A 233 LA OLD CASTLE VAULT. COORDINATE EXACT LOCATION OF PULL VAULT WITH CIVIL ENGINEER PRIOR TO INSTALLATION.
- REPLACE EXISTING 400A FUSED DISCONNECT AS INDICATED ON E3.
- ROUTE CONDUIT UP WALL AND IN TO ROOM ABOVE MDP.

**EQUIPMENT CONNECTION SCHEDULE**

- EQUIP: EQUIPMENT
- VOLTH: VOLTAGE
- LOAD: LOAD
- HP: HP
- PANEL: PANEL
- GND: GROUND
- CONDUCTOR SIZE: CONDUCTOR SIZE
- MIN MRI: MIN. MRI
- REMARKS:

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**BID SET**

PUBLIC WORKS DEPARTMENT

ASPHALT BATCH PLANT STORAGE TANKS

ELECTRICAL SITE PLAN

DOUBLE TANK

JUNE 2023
ELECTRICAL ONE LINE DIAGRAM - DEMOLITION

1. See existing and revised schedules for HEP on Sheet E1.
2. See new panels schedules on Sheet E2.

CONSTRUCTION NOTES

1. Provide a new 600A fused disconnect with 600A fuses. Coordinate service shutdown with TPU and owner.
2. Coordinate with TPU to replace the feeder as needed to accommodate the new load.
3. Rearrange service shutdown with TPU and owner.
4. Move loads from HEP to an existing service panel. Interconnect space and extend branch circuits as needed. Remove all associated apparatuses, including the circuit breaker, that are not to be reused.
5. Install new pole-mounted service transformers.

ELECTRICAL ONE LINE DIAGRAM - CONSTRUCTION

Scale: Diagrammatic

Provide 2 1/2" C. with (3) 4/0 Cu and (3) 2/0 Cu G/D.
Provide 3/4" C., with (3) 2/0 Cu and (3) 4/0 Cu G/D.
Provide 3/4" C., with (3) 2/0 Cu and (3) 4/0 Cu G/D.
Provide 3/4" C., with (3) 2/0 Cu and (3) 4/0 Cu G/D.
Provide 3/4" C., with (3) 2/0 Cu and (3) 4/0 Cu G/D.
Provide 3/4" C., with (3) 2/0 Cu and (3) 4/0 Cu G/D.
Provide 200A-3P.
Provide 50A-3P.
Provide 20A-3P.
Provide 15A-3P.
Provide 15A-3P.
Provide 50A-3P.
Provide 50A-3P.
Provide 200A-3P.
Provide 30A-3P.
Provide 125A-3P.
Provide 70A-3P.
Provide 225A-3P.
Provide 400A-3P.
Provide 50A-3P.
Provide 20A-3P.
Provide 15A-3P.
Provide 15A-3P.
Provide 50A-3P.
Provide 20A-3P.
Provide 125A-3P.
Provide 70A-3P.
Provide 225A-3P.
Provide 400A-3P.
CONSTRUCTION NOTES

1. REPLACE EXISTING 20A-3P CIRCUIT BREAKER WITH A 100A-3P. MATCH EXISTING AIC RATING OF PANEL.

2. REPLACE EXISTING 15A-3P CIRCUIT BREAKER WITH A 225A-3P. MATCH EXISTING AIC RATING OF PANEL.