

MEMORANDUM

TO: Clackamas County Board of County Commissioners (BCC)
FROM: Elizabeth Comfort, Finance Director
RE: Approval to Charge County Electric Vehicle Charger Users
DATE: October 29, 2024

REQUEST:

Staff requests the approval of an Electrical Charging Fee of \$0.43 per kilowatt-hour (kWh) for users of County electric vehicle chargers to recover system operating and maintenance costs. Staff also requests approval of an Idle Time Parking Fee of \$2.00 per hour.

BACKGROUND:

Clackamas County Facilities Management has successfully installed 23 electric vehicle (EV) charging station and is installing 6 more across the County. The charging stations are available to all County employees, the Fleet Motor Pool and the public. The County has been financially supporting the full costs to operate and maintain the EV charging systems.

- In the past 6 months, an average of 18.16 electrical charges occurred daily countywide.
- County EV charging stations are used an average of 5 hours and 47 minutes per day, but only provide charging for an average of 3 hours and 43 minutes.
 - The remaining 2 hours and 4 minutes are considered “Idle Time,” which is when a car using an EV charging station continues to occupy the space without charging.
- The “Idle Time Parking Fee” of \$2.00 per hour would start immediately after an EV has been fully charged. The fee ends when the person charging their EV removes the charging cord and removes their vehicle from the EV charger parking space.

Current charging station system costs include:

- Pacific General Electric electricity supply cost of \$0.15 per kWh on average
- ChargePoint EV operating system annual contract costs of approximately \$15,000, which is an average of \$0.20 per kWh
 - This cost increases with number of stations added
- Preventive maintenance, repair, vandalism/graffiti, and use costs total \$0.10 per kWh

The proposed rate of \$0.43 per kWh will not entirely cover system costs to the County, but it is affordable and will not discourage EV users from continuing to use County EV charging stations. Oregon’s statewide average cost for EV charging is between \$0.40 and \$0.45 kWh. Current EV technology allows EV users to monitor charging via cell phone and notifies EV drivers when a parking fee begins. Violators of our program requirements could be banned from using County EV charging systems, if necessary.

A Clackamas County EV Charging Program Report to provide an update on the EV Program is in development.

RECOMMENDATION:

Staff recommends approval of an Electrical Charging Fee of \$0.43 per kWh to recover system operating and maintenance costs, as well as an Idle Time Parking Fee of \$2.00 per hour.

Attachments: County Charging Stations Location Maps

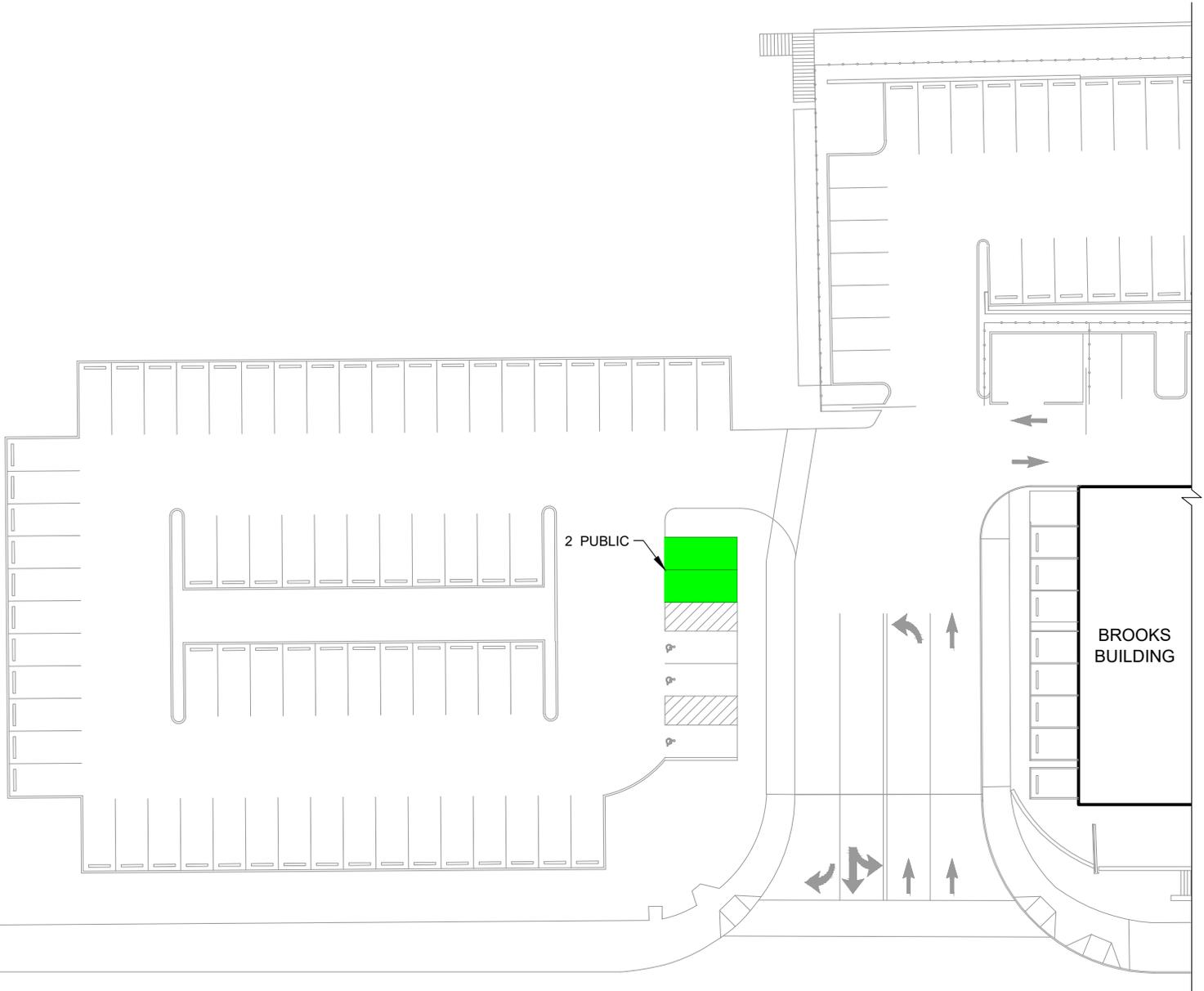
Charger Location Details:

23 Installed Chargers

- 2 charger ports are North County at Brooks Parking lot.
 - Public Chargers
- 14 chargers are installed at the DSB. (10) on Parking Deck and (4) Basement
 - (8) Fleet/Motor Pool
 - (6) Public
- 7 chargers are installed in Parking lot of PSB.
 - All Public chargers

6 Future Installation (By End of November 2024)

- 4 chargers for Motor Pool will be installed at PSB Parking Lot
 - Motor Pool
- 2 chargers will be installed at Tri Cities (WES) Plant
 - Secured Parking Lot



SE SUNNYBROOK BLVD

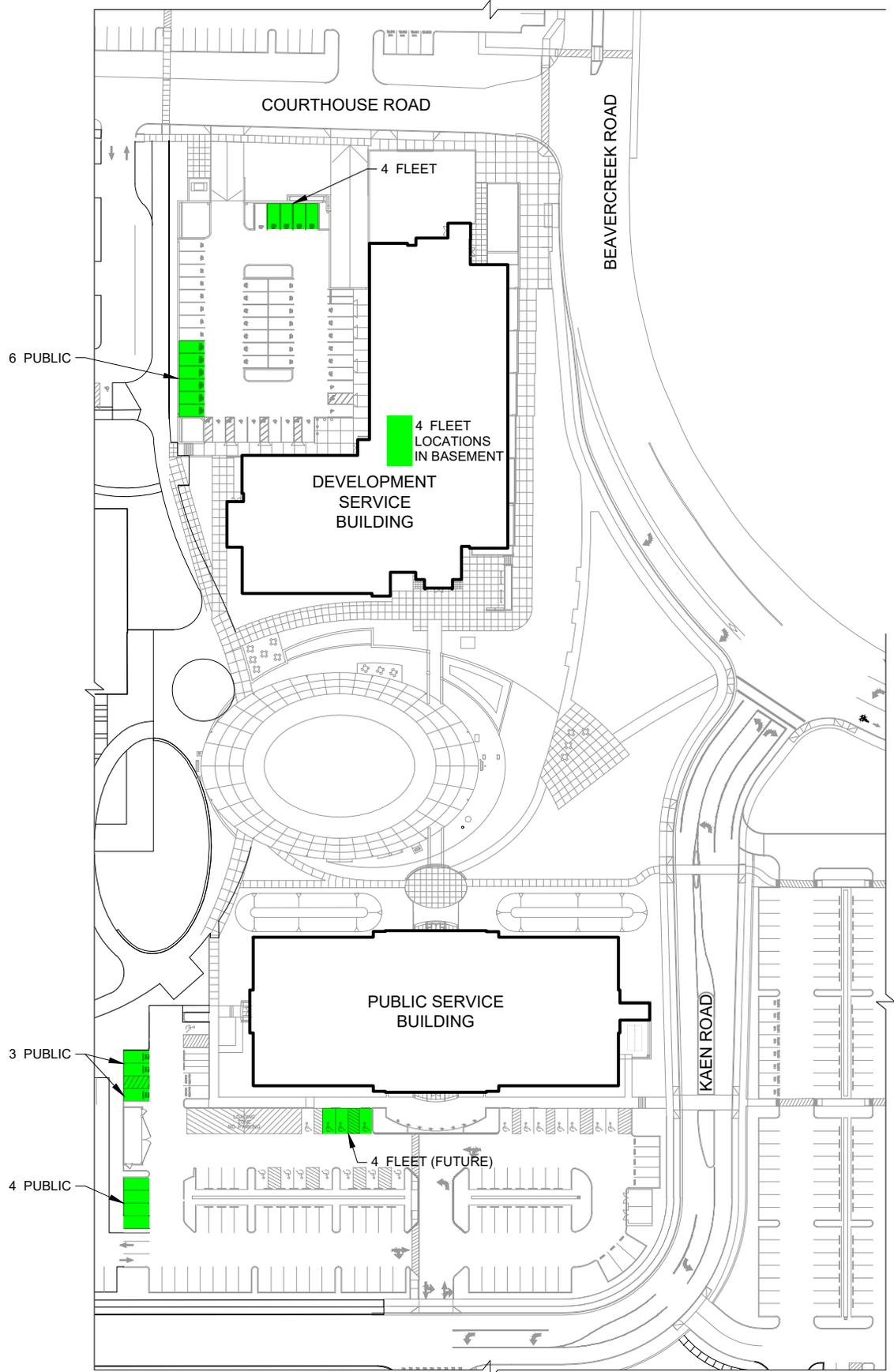
EV CHARGING STATION LOCATIONS

EXHIBIT



N.T.S

	<p>CLACKAMAS COUNTY FACILITIES MANAGEMENT</p> <p>1710 RED SOILS CT #200 OREGON CITY, OR 97045</p> <p>TELEPHONE: (503) 557- 6416</p>	<p>BROOKS BUILDING</p> <p>SITE PLAN</p>	<p>DATE: 22-OCT-2024</p> <p>REVISIONS:</p> <hr/> <p>SCALE: AS NOTED</p> <p>DRAWN BY: P. KOLB</p> <p>CHECKED BY:</p>	<p>1 of 1</p>
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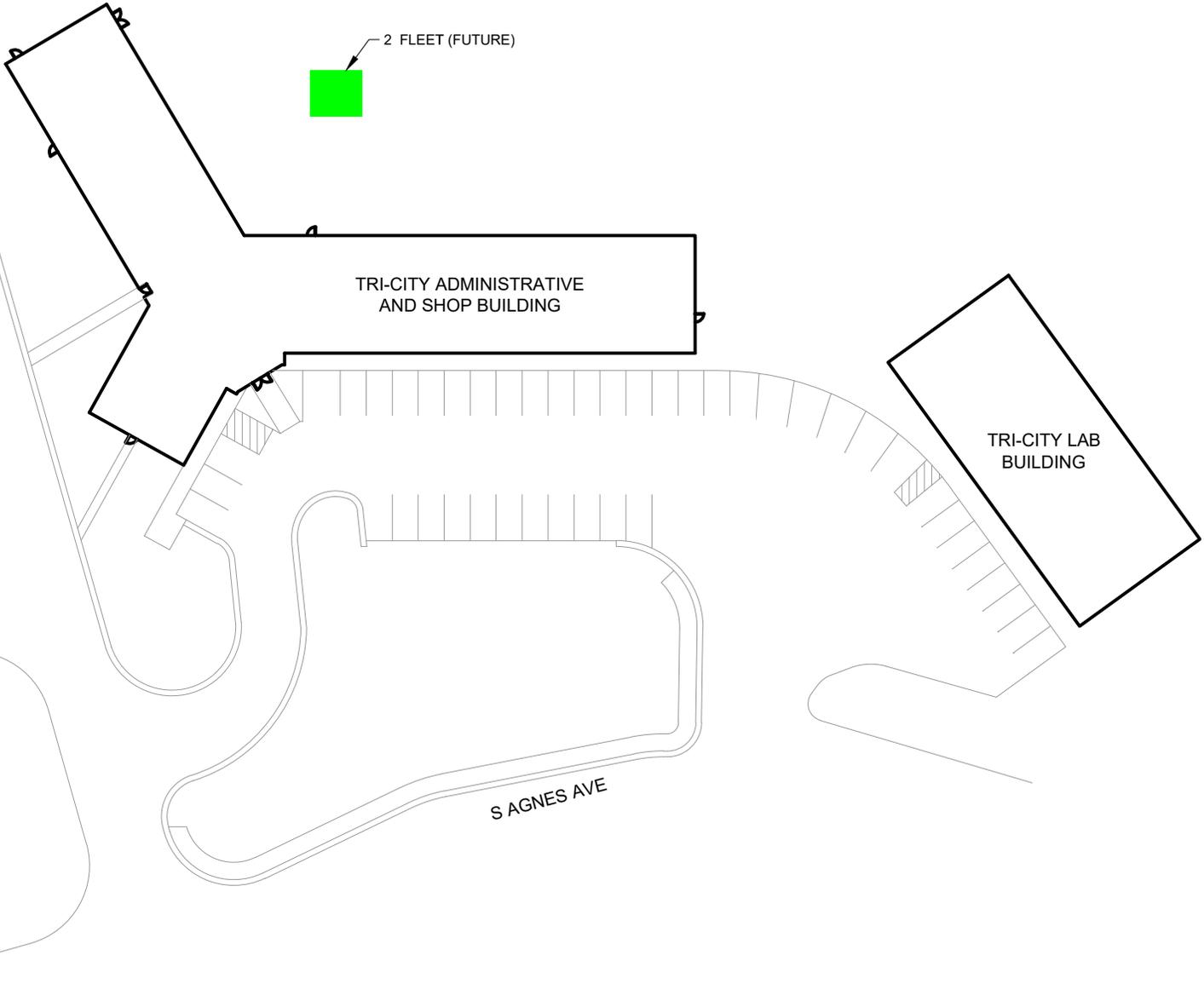
EV CHARGING STATION LOCATIONS

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		<p>SCALE: AS NOTED</p>	
		<p>DRAWN BY: P. KOLB</p>	
		<p>CHECKED BY:</p>	



EV CHARGING STATION LOCATIONS

N.T.S

EXHIBIT



**CLACKAMAS COUNTY
FACILITIES MANAGEMENT**

1710 RED SOILS CT #200
OREGON CITY, OR 97045

TELEPHONE: (503) 557- 6416

**WES TRI-CITY PLANT
SITE PLAN**

DATE:	22-OCT-2024
REVISIONS:	
SCALE:	AS NOTED
DRAWN BY:	P. KOLB
CHECKED BY:	

1 of 1