

SERVICE LOAD CALCULATION

NEW INSTALLED P.A. OF EV STATION & NUMBER OF STATIONS & DEMAND:
 27 # @ 4.150 = 110 AMP'S
 FUTURE EV CHARGERS & NUMBER OF STATIONS & DEMAND:
 37 # @ 4.150 = 153 AMP'S
 NEW + FUTURE
 148 = 263 AMP'S
 ASUM = 225 AMP'S
 3/4 PHASE
 600 AMP BUS
 SERVICE LOAD NOT TO BE GREATER THAN 3/4 ASUM AS SERVED SELECTED

SCHEDULE EV MDP PART I (FLUSH MOUNTED)			120/208 VOLTS		
29,080 SCA AVAILABLE			3 PHASE		
600 AMP BUS			600 AMP LUGS		
SERVICE	LOAD (AMP)	BREAKER (AMP)	CIRCUIT (Ø & Ø)	BREAKER (AMP)	SERVICE
EV Charger 1	32.0	400	1 A 2	201 0.0	SPARE
EV Charger 1	32.0	400	3 B 4	402 32.0	EV Charger 7
EV Charger 1	32.0	400	5 C 6	30.0	EV Charger 7
EV Charger 2	32.0	400	7 A 8	402 32.0	EV Charger 8
EV Charger 2	32.0	400	9 B 10	30.0	EV Charger 8
EV Charger 3	32.0	400	11 C 12	201 0.0	SPARE
EV Charger 3	32.0	400	13 A 14	201 0.0	SPARE
EV Charger 4	32.0	400	15 B 16	201 0.0	SPARE
EV Charger 4	32.0	400	17 C 18	402 32.0	EV Charger 9
EV Charger 5	32.0	400	19 A 20	32.0	EV Charger 9
EV Charger 5	32.0	400	21 B 22	402 32.0	EV Charger 10
EV Charger 6	32.0	400	23 C 24	201 1.6	WP RECEIPTS
EV Charger 6	32.0	400	25 A 26	201 0.0	SPARE
EV Charger 6	32.0	400	27 B 28	201 0.0	SPARE
EV Charger 6	32.0	400	29 C 30	201 0.0	SPARE
EV Charger 6	32.0	400	31 A 32	201 0.0	SPARE
EV Charger 6	32.0	400	33 B 34	201 0.0	SPARE
EV Charger 6	32.0	400	35 C 36	201 0.0	SPARE
EV Charger 6	32.0	400	37 A 38	201 0.0	SPARE
EV Charger 6	32.0	400	39 B 40	201 0.0	SPARE
EV Charger 6	32.0	400	41 C 42	201 0.0	SPARE
EV Charger 6	32.0	400	43 A 44	201 0.0	SPARE
EV Charger 6	32.0	400	45 B 46	201 0.0	SPARE
EV Charger 6	32.0	400	47 C 48	201 0.0	SPARE
EV Charger 6	32.0	400	49 A 50	201 0.0	SPARE

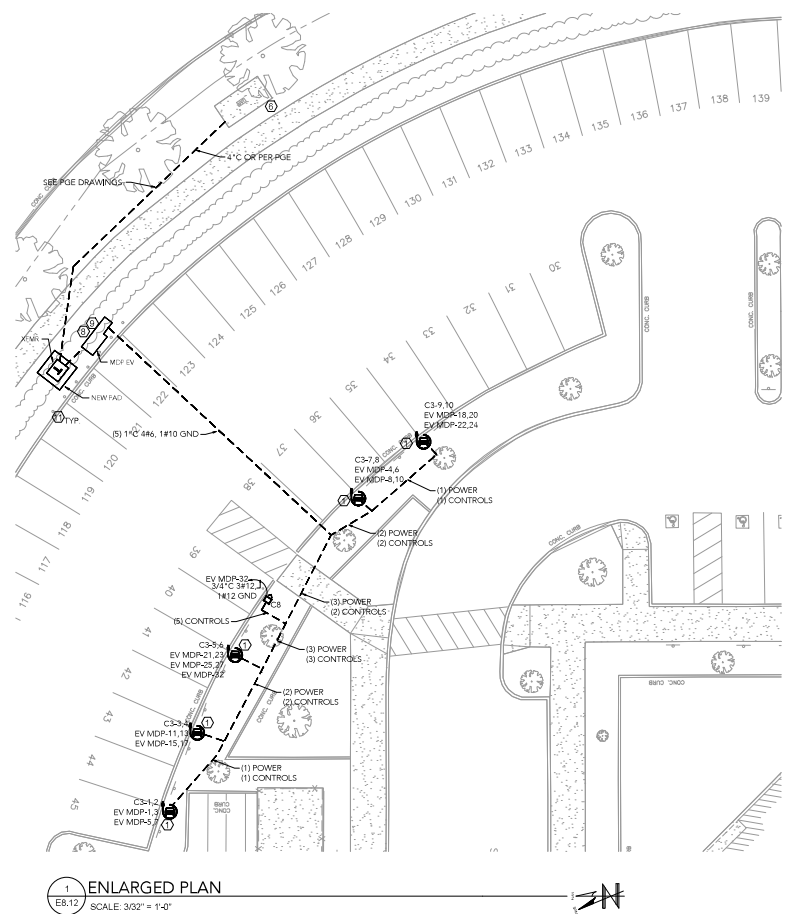
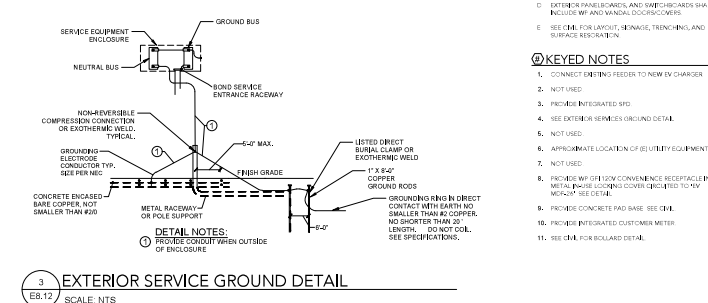
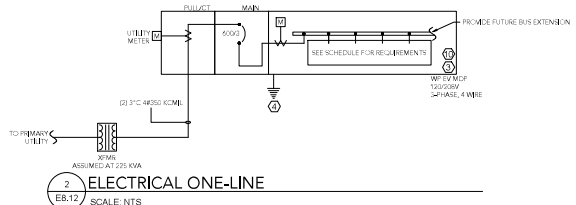
NOTES: PROVIDE INTEGRAL SPD PROVIDE INTEGRATED CUSTOMER METER PROVIDE WP PANEL WITH WINDAL PROOF DOOR COVER

SUMMARY (AMPS)		
PHASE LOAD		
CONNECTED	A	B
	198.5	224.0
DEMAND	198.5	224.0
DEMAND LOAD		
DEMAND LOAD	224.0	
CONTINUOUS LOAD	.0	
SPARE LOAD	.33E	
TOTAL LOAD	224.0	
FUTURE	.36E	
DESIGN LOAD	267.6	

SCHEDULE EV MDP PART II (FLUSH MOUNTED)			120/208 VOLTS		
29,082 SCA AVAILABLE			3 PHASE		
600 AMP BUS			600 AMP LUGS		
SERVICE	LOAD (AMP)	BREAKER (AMP)	CIRCUIT (Ø & Ø)	BREAKER (AMP)	SERVICE
SPARE	0.0	400	1 A 2	800.0	0.0
SPARE	0.0	400	3 B 4	0.0	SPACE
SPARE	0.0	400	5 C 6	0.0	SPACE
SPARE	0.0	400	7 A 8	800.0	0.0
SPARE	0.0	400	9 B 10	0.0	SPACE
SPARE	0.0	400	11 C 12	1000.0	0.0
SPARE	0.0	400	13 A 14	0.0	SPACE
SPARE	0.0	400	15 B 16	0.0	SPACE
SPARE	0.0	400	17 C 18	0.0	SPACE
SPARE	0.0	400	19 A 20	2250.0	0.0
SPARE	0.0	400	21 B 22	0.0	SPACE
SPARE	0.0	2011	23 C 24	2250.0	0.0
SPARE	0.0	2011	25 A 26	0.0	SPACE
SPARE	0.0	2011	27 B 28	0.0	SPACE
SPARE	0.0	2011	29 C 30	0.0	SPACE
SPARE	0.0	2011	31 A 32	2250.0	0.0
SPARE	0.0	2011	33 B 34	0.0	SPACE
SPARE	0.0	2011	35 C 36	0.0	SPACE
SPARE	0.0	2011	37 A 38	201 0.0	SPARE
SPARE	0.0	2011	39 B 40	201 0.0	SPARE
SPARE	0.0	2011	41 C 42	201 0.0	SPARE

NOTES: PROVIDE INTEGRAL TVSS

SUMMARY (AMPS)		
PHASE LOAD		
CONNECTED	A	B
	0.0	0.0
DEMAND	0.0	0.0
DEMAND LOAD		
DEMAND LOAD	0.0	
CONTINUOUS LOAD	0.0	
SPARE LOAD	0.0	
TOTAL LOAD	0.0	
FUTURE	0.0	
DESIGN LOAD	0.0	



REV.	DATE	DESCRIPTION
1	16 JUN 2022	REVISIONS FOR CITY PLAN REVIEW

- SHEET NOTES**
- A. FOR WORK ORDER NUMBER, SEE PLAN FAC.
 - B. DRIVING LATEST EDITIONS. LAMPS FROM COM.
 - C. FOR SEE COOPERATION IN THE SE. SEE SPECIFICATIONS FOR CONCRETE REQUIREMENTS.
 - D. SEE CH. FOR FENCING AND OFF-CURB USE (MOTOR EXISTING PARKING AREA).
 - E. SEE SPECIFICATION FOR INTEGRATED PANEL METER REQUIREMENTS.
 - F. EXTERIOR PANELBOARDS AND SERVICE CHASERS SHALL INCLUDE WP AND WINDAL PROOF DOOR.
 - G. SEE CH. FOR LAYOUT, FENCING, TRENCHING, AND SURFACE RESTORATION.
- KEY NOTES**
1. STRIKE OUT THIS FIELD TO NEW EV CHARGER.
 2. NOT USED.
 3. PROVIDE INTEGRATED SPD.
 4. SEE EXTERIOR SERVICE GROUND DETAIL.
 5. NOT USED.
 6. APPROXIMATE LOCATION OF UTILITY EQUIPMENT.
 7. NOT USED.
 8. PROVIDE WP FIELD FOR CONVENIENCE RECEPTACLE IN METER PANEL COVER. COVER SHOULD FIT TO WP METER. SEE DETAIL.
 9. PROVIDE CONCRETE PAD BASE. SEE CH. 17.
 10. PROVIDE CONCRETE CUSTOMER METER.
 11. SEE CH. FOR BOLLARD DETAIL.



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CONFIRMED SET - 04 OCT 2022
 OREGON DEPT. OF ADMINISTRATIVE SERVICES
 PARKING LOT UPGRADE PROJECT
 550 BUILDING LOT
 550 CAPITOL STREET NE, SALEM, OREGON
 ELECTRICAL ENLARGED PLAN & DETAIL

JOB NO.	20-108
DATE	April 4, 2022
DESIGN BY	BJM/BM
CHECKED BY	MJC
SHEET	E8.12