GENERAL SPECIFICATIONS

Scope of Work

PSE project limits : OH to UG Conversion General

- All work is to be completed per PSE Standards & Practices. Copies of all PSE Standards are available upon request.
- Work sites shall be kept clear of debris and all construction materials; equipment and packing shall be removed daily.
- Return all unused and removed poles, transformers and hardware to PSE, storeroom. All copper shall be coiled and returned the day it is removed from the poles. Remove all unused pins and insulators
- Return all streetlights, area lights and floodlights to Sumner yard.

Preconstruction

- Notify appropriate city, County or DOT authorities 48 to 72 hours, or as required by permitting agency, in advance of starting work in Right-of-way involving a Permit.
- All system switching shall be approved by **System Operations (425-882-4652)** a minimum of 48 hours in advance.
- Notify customers of all outages 48 hours in advance.

Work Drawings & Documents

- Field design changes shall be approved by PSE Project Manager or Engineer.
- · Mark all field changes, equipment ID numbers and Underground cable information in red on Foreman's copy of worksketch.
- Return one Foreman's copy of worksketch to Project Manager at completion of job.
- When permits are required, a copy shall be available on work site at all times.

Safety

- Refer to PSE standards 6275.3000 and 6275.6000 for system ground requirements.
- Refer to PSE standards 6275.9050 for personal protective grounding requirements.
- Refer to PSE standards 6275.9150 for vehicle grounding and barricading requirements.
- Proper line clearances shall be taken at the beginning, and released at the end, of each work day, or as otherwise instructed by the System Operator.
- Provide signs, barricades, and traffic control in conformance with permit regulations.
- Utilize flagging and other vehicle traffic control as necessary and in conformance with local traffic regulations.
- Maintain traffic flow as required by permitting agency.

Erosion & Sediment Control

- Refer to PSE standards 0150.3200 for minimum requirements.
- Comply with all requirements of permitting agency.
- Installed erosion & sediment devices shall be maintained until vegetation has been re-established or disturbed soil has been otherwise permanently stabilized.

Joint Facilities

- Coordinate with Communication Companies for transfers.

OVERHEAD CONSTRUCTION

Poles & Structures

- Poles are to be installed or relocated as staked. Unless otherwise noted, all pole location measurements are from the center of the pole.
- All new poles set shall be the class indicated on the sketch, or better. Do not set a lower class pole than specified.
- Install ground plate assembly on all new poles. Install Switch Ground Assembly per standard specification 6014.1000 at new gang operated switch locations.
- Install grid numbers on all new and existing poles as shown on sketch.
- Straighten existing poles as indicated or as necessary.
- Treat all field-drilled poles with copper napthenate wood preservative.
- Remove old poles after communication companies have transferred off and return to PSE storeroom. Fill and crown pole holes and restore area similar to adjacent landscaping.

Conductors & Equipment

- Transfer all overhead and underground primary, secondary and service conductors and guys to new poles set, unless otherwise indicated on this sketch.
- Transfer existing transformers to new poles unless otherwise indicated on this sketch.
- Use stirrups to connect all overhead and underground primary taps, and all transformers. Install at all sites being worked within the scope of the project where they are currently missing.
- Use 397 AAC and Ampact connectors for all bare conductor feeder jumpers and 600 amp switch jumpers. Install tree wire conductor for jumpers on all poles that are double deadended with tree wire.
- Apply grit inhibitor on all Ampact, stirrup, and dead-end connections.
- Connect primary taps and transformers to same phase as existing unless otherwise shown on the drawing.
- All neutral connections to be made with solid compression connectors. Connect all pole grounds to common neutral.
- Use Load-interrupter cutouts (with arc shields) on all primary overhead and underground taps with fused protection above 40T.
- Install Wildlife Protectors on all transformers.

UNDERGROUND CONSTRUCTION

Excavation

- Trenching outside of the Right-of-way shall be of sufficient depth to provide a minimum of 36" of cover for primary conductors and 24" of cover for secondary conductors.

- Road crossings and all trenches within the Right-of-way shall be of sufficient depth to provide a minimum of 36" of cover for all conductors or as required by the permitting Agency.

- All conductors/conduits shall have a minimum of 3" of bed and 3" of clean sand cover.

- No rocks larger than 6" shall be included in backfill. - Backfill in road crossings and within the Right-of-way shall be compacted to 95% density or as required by the permitting Agency.

- Restore all excavated areas to original condition. - If four or more six inch conduits are installed in a trench, fluidized thermal backfill

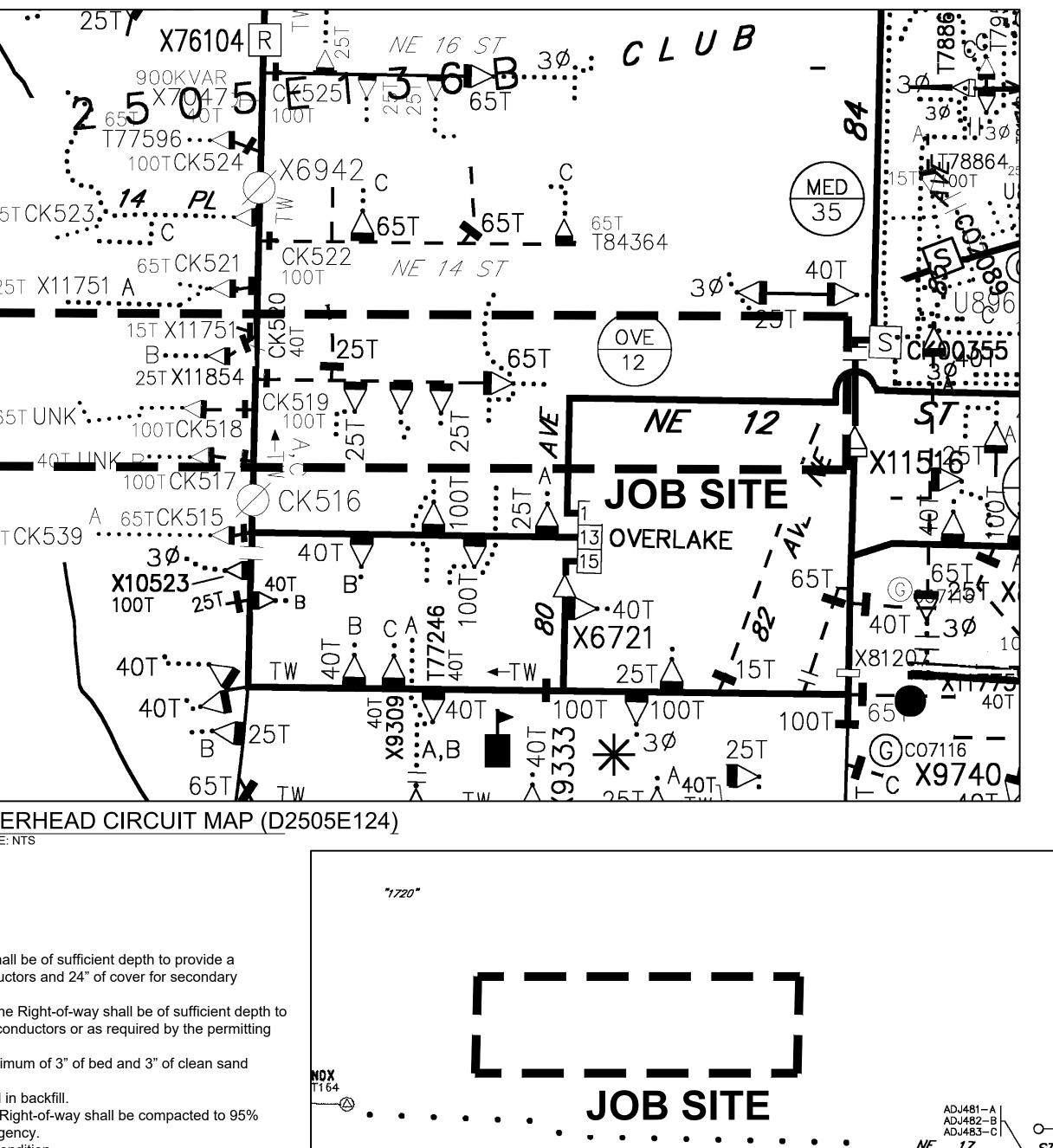
(FTB) shall be installed around the conduits to a depth of six inches above and to the sides of the conduit, and two inches underneath, per PSE Standard 6790.0140.

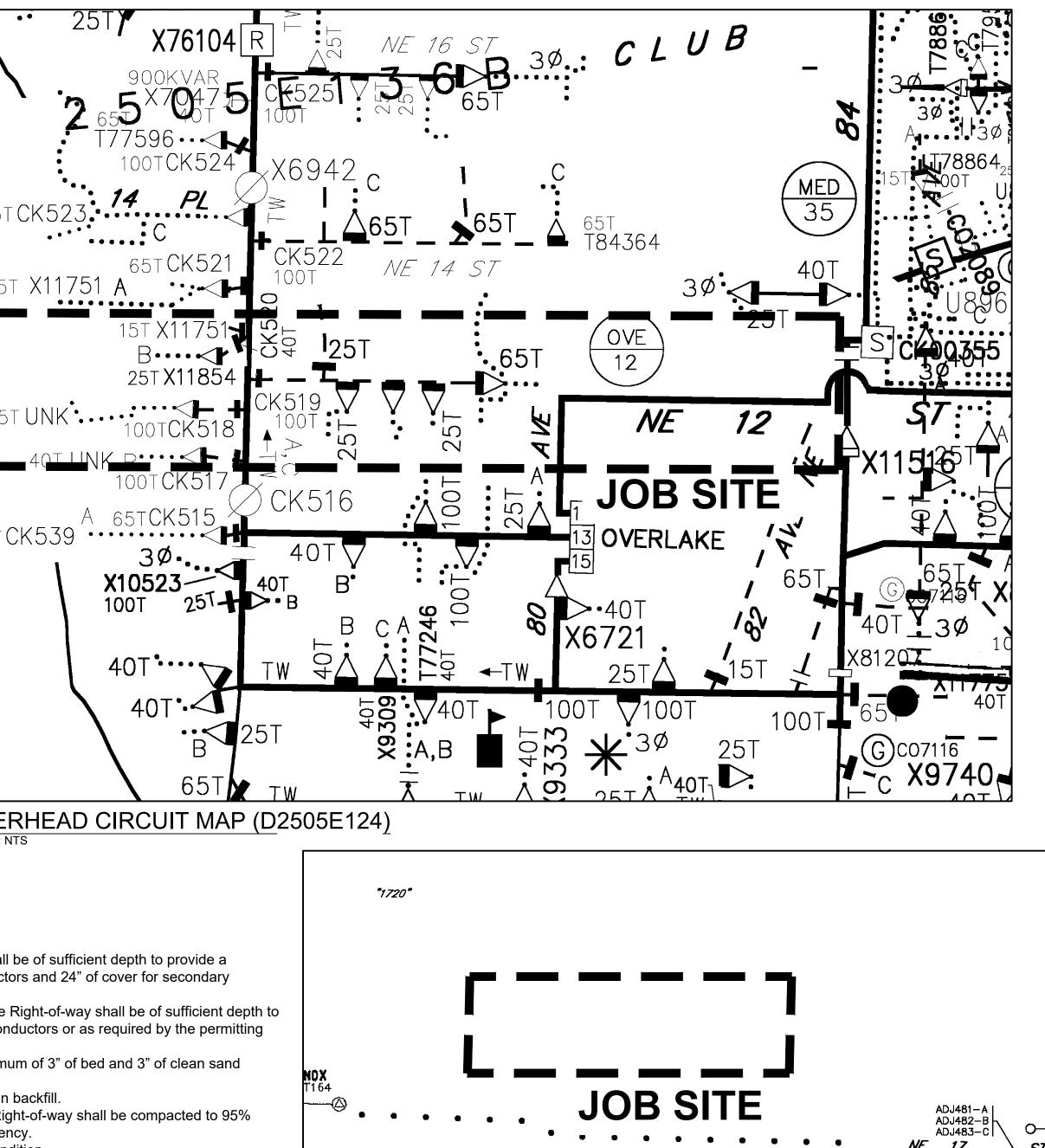
Vaults & Handholes

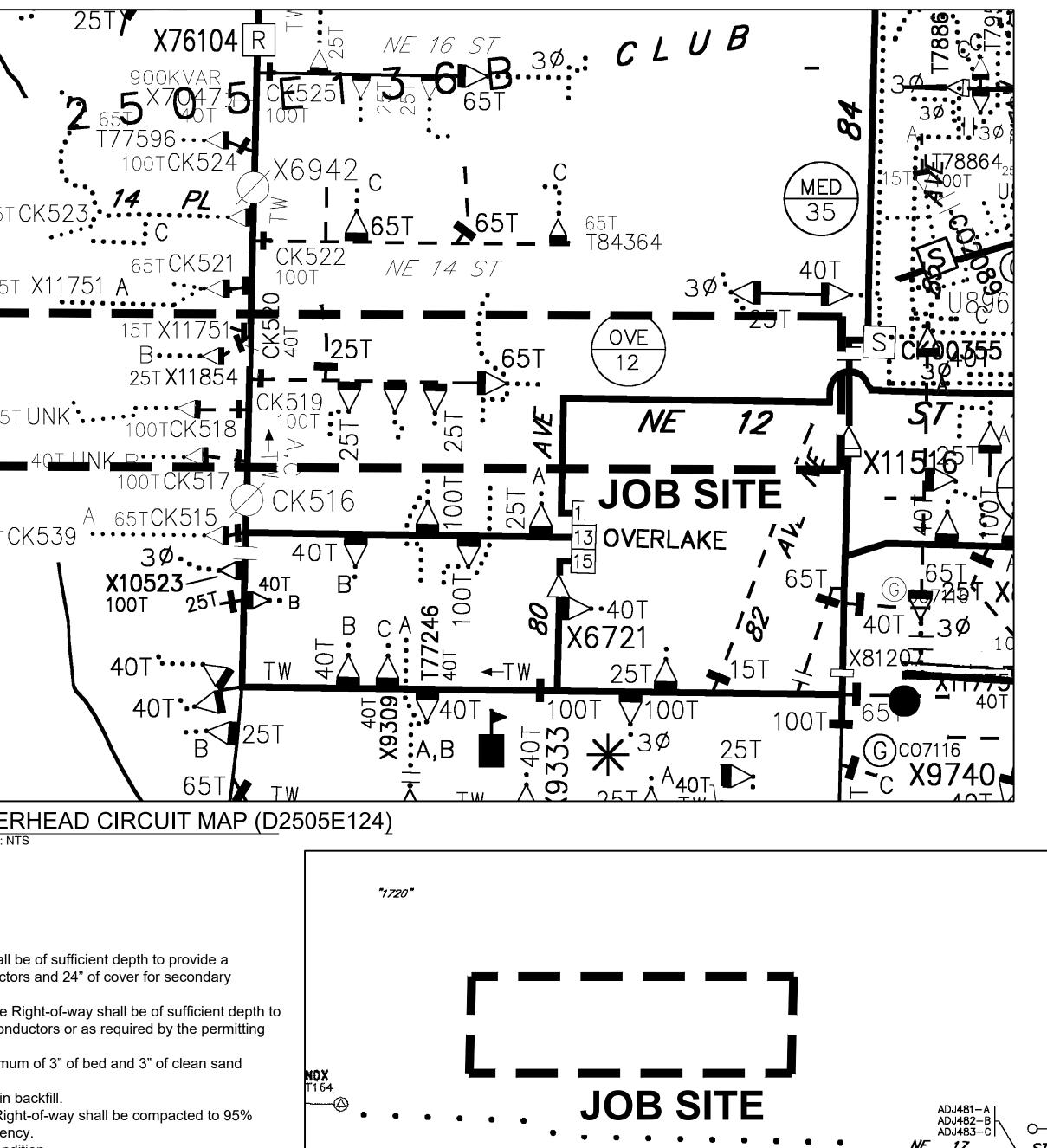
- Refer to PSE standard 6775.0040 "Vault and Handhole Installation"
- Vaults shall be placed level and 2" above final grade in landscaped areas and flush
- with final grade when placed in hard surface areas. - A minimum 6" bed of 5/8" crushed rock shall be placed under all vaults.
- All conduit entrances shall be grouted.

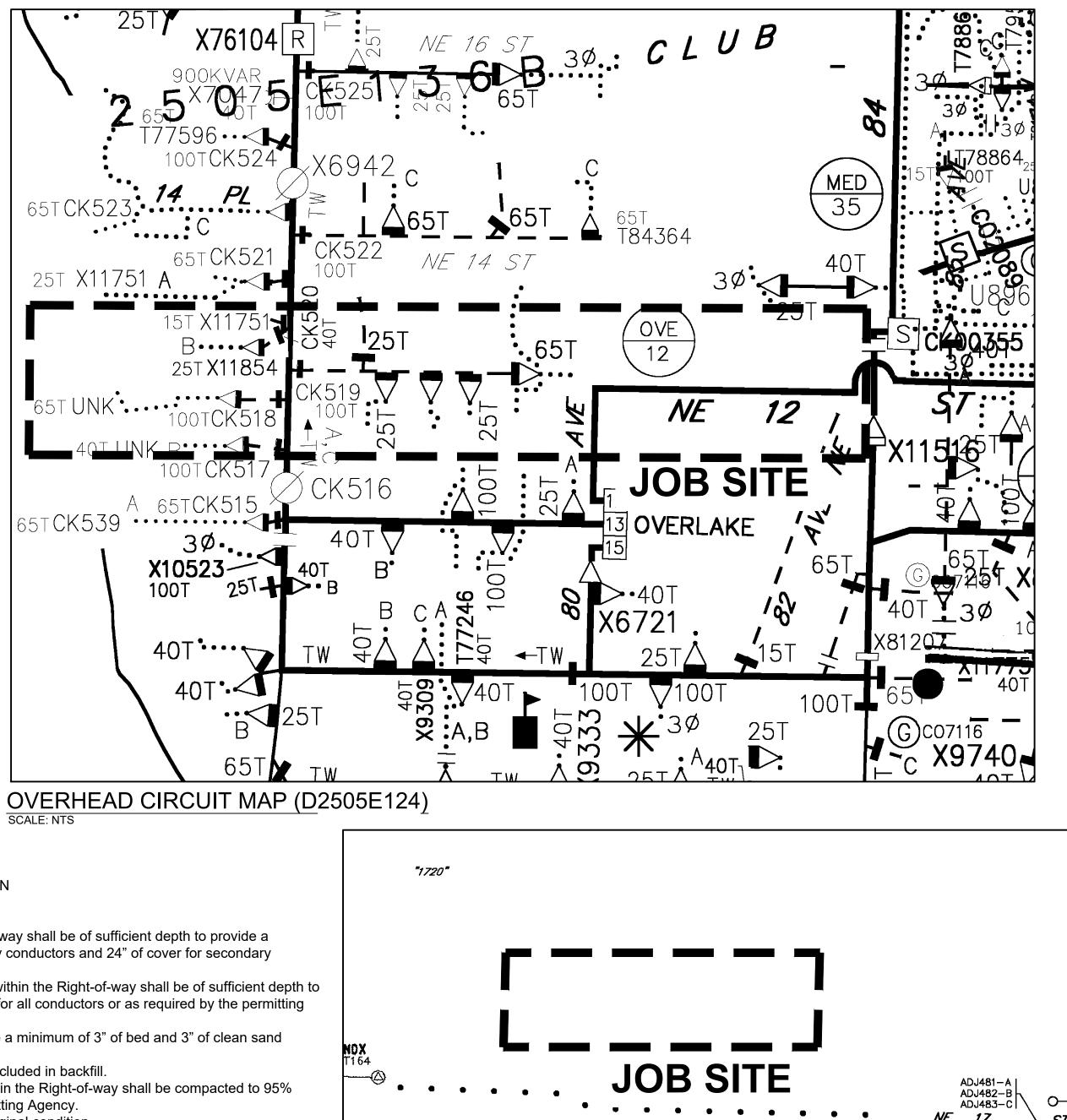
Conductors & Conduit

- Refer to PSE standard 6800.6000 "PVC Conduit Installation". - Unless splices are called for, or otherwise noted or approved, conduit risers shall be
- plumbed directly to road crossing conduits.
- Install insulating caps on all unused primary bushings.
- All "spare" conduits shall be capped at each end.







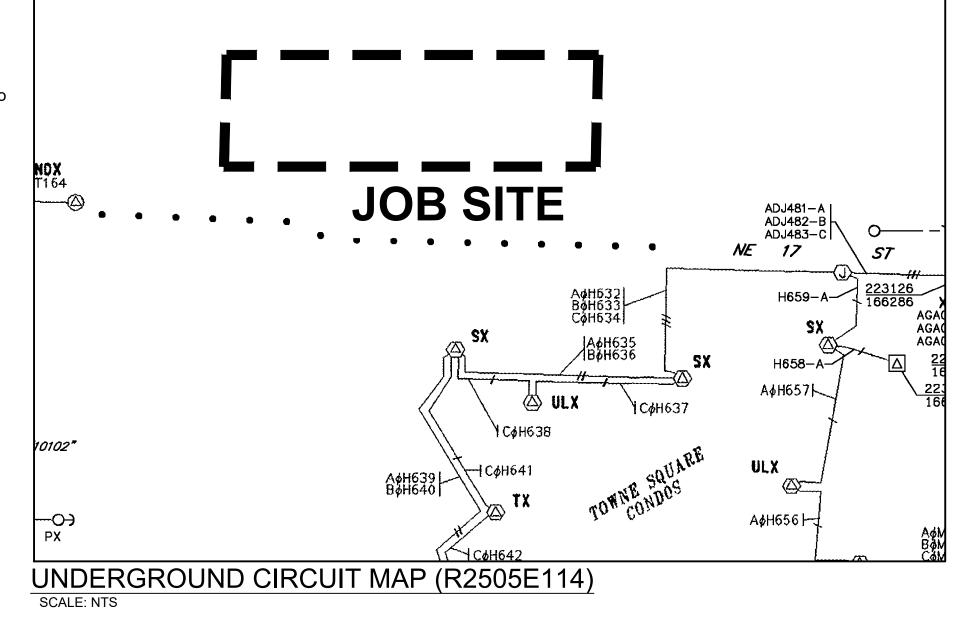








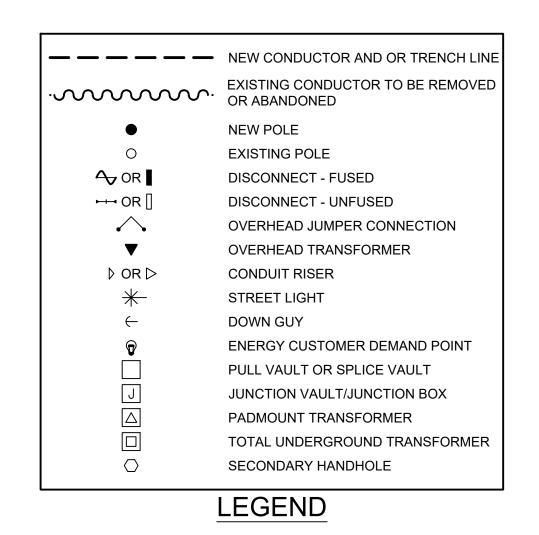
TOTAL CABLE ADDED : 290FT

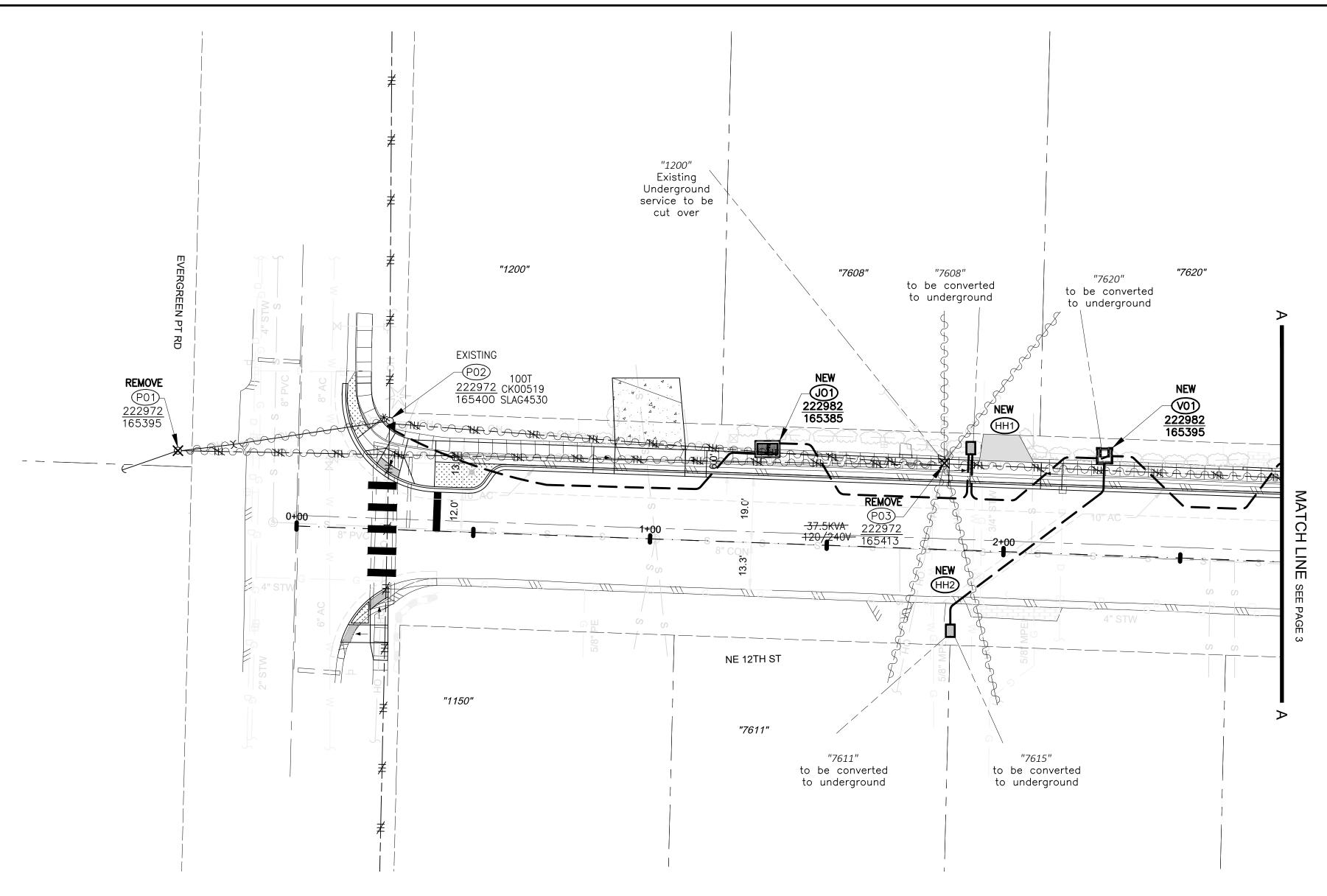


Field Ch Material Total <u>PR</u> Compan Indicate Deviation I certify t and that	Indicate correct FUSE SIZE on As-built & VERIFY proper PHASE.						Int Rd Evergt en Point Rd NE 1	7608 NE 12th St, Medina, WA 98039 2th St NE 12t	th St Playgr Restroon	The F	14202
PROJECT PH	IASE	NOTIF#			ORDER#						
	Superior	N/A			101XXX						
	Expense	N/A			583						
	Expense	N/A			584	_		NE 10th St			
	Expense	N/A N/A			593 594	-					
	Expense Removal	N/A N/A		_	108				80		J
	loniovai				100		mar / D	avalanar Cant	aat Infa		
							ner / D	eveloper Cont			
						N/A N/A					
CABLE TV PHONE						- N/A					
Project Manag	or Contact	Information					1: N/A		N/A offi	се	
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"Flagging Requ		Yes	No			N/A PERM					
3						FUNCT		CONTACT	PHONE NO	_	DATE
2						-	CT MGR	Daniel Aguirre	PM#	-	M/D/YY
1						-	POWER	Dennis Booth	ENG#		M/D/YY
REV#	DATE	BY	DESCRIPT			ENGR -		N/A	N/A		N/A
COUNTY	DATE	Emer Sect	Gas Wk Ct	_	R WK CTR	DRAWN	-	Nash Kirika	DRAFT#		M/D/YY
KING	2	N/A	N/A		CSPFEPI	CHECK			Brown		1,0,11
1/4 SEC			1.177			-					
						APPROVED BY					
	R SEC		Ά		N/A						
QUARTER	_	N				FOREM	AN #1				
U-MAP NO (F	POWER)	N/ OH CKT MA	P UG C	(T MAP	CIRCUIT NO	FOREM FOREM	AN #1 AN #2				
	POWER)	N	P UG C	00E003	CIRCUIT NO CIR-XX	FOREM FOREM MAPPIN	AN #1 AN #2 NG				
U-MAP NO (F 2100E	- POWER) 001	N/ OH CKT MA 2100E00	IPUGC	00E003	CIRCUIT NO CIR-XX NT FACILITIES AF	FOREM FOREM MAPPIN	AN #1 AN #2 NG	N/A		//Δ	
U-MAP NO (F 2100E	POWER) 001 UTILITIES	N/ OH CKT MA 2100E00	N/A	00E003	CIRCUIT NO CIR-XX NT FACILITIES AR N/A	FOREM FOREM MAPPIN	AN #1 AN #2 NG	N/A		//A	
U-MAP NO (F 2100E	OWER) 001 UTILITIES CONTACT	N/ OH CKT MA 2100E00	PUGCI 2221 N/A N/A	00E003	CIRCUIT NO CIR-XX NT FACILITIES AR N/A N/A	FOREM FOREM MAPPIN	AN #1 AN #2 NG	N/A	N	/A	
U-MAP NO (F 2100E	OWER) 001 UTILITIES CONTACT PHONE#	N/ OH CKT MA 2100E00	IP UG Cl 2 21 N/A N/A N/A		CIRCUIT NO CIR-XX NT FACILITIES AR N/A N/A N/A	FOREM FOREM MAPPIN	AN #1 AN #2 NG MENTS	N/A N/A	N	/A /A M/	AOP 1/A
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Vicinity Map

FOREMAN (CHECK BOX WHEN COMPLETED



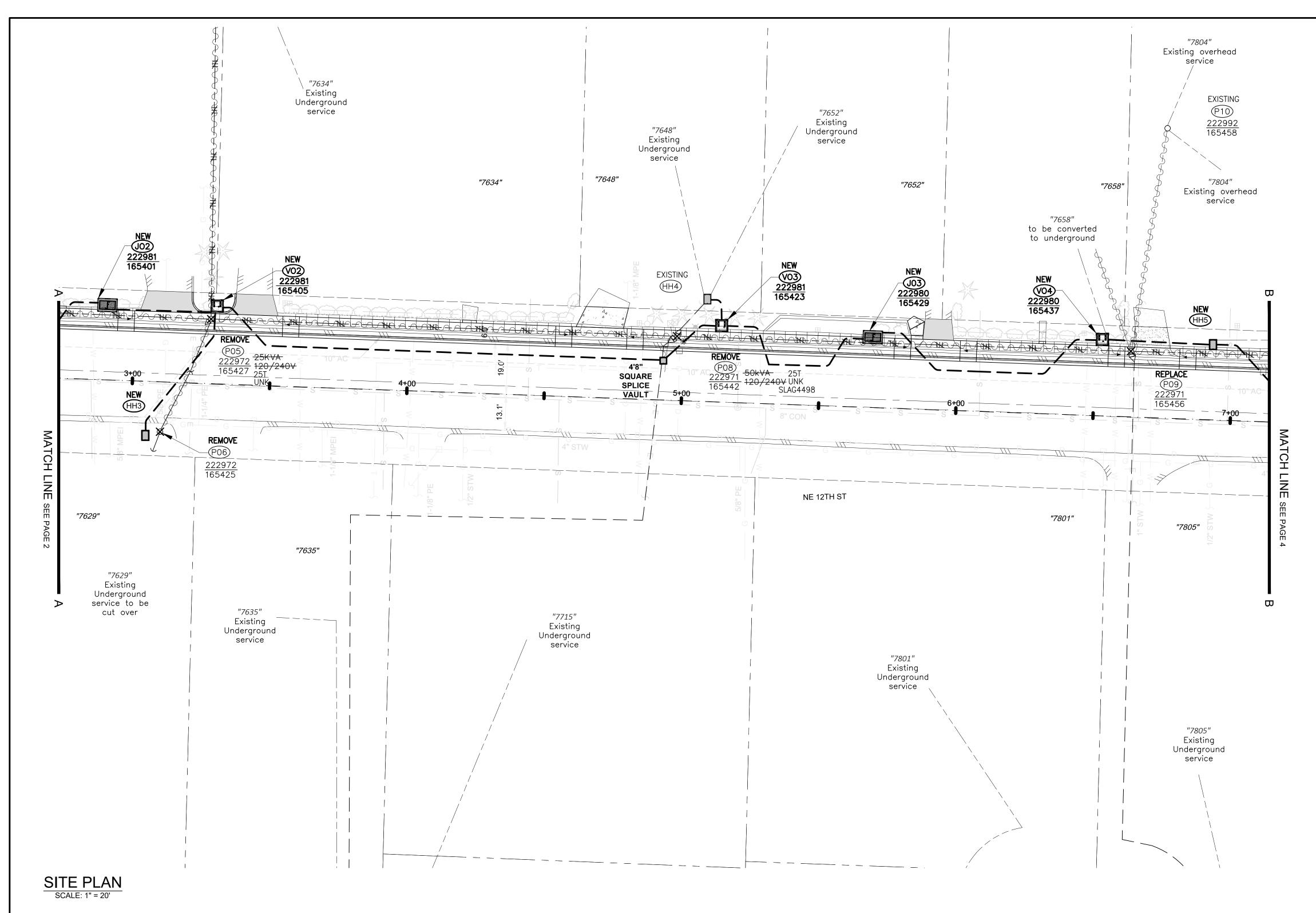


SCALE: 1" = 20'

WIRE REMOVAL TABLE										
Loca	ation			Length						
From	То	Wire Size & Type	Quantity	(Circuit FT)	Remarks					
P01	P02	SPAN GUY	1							
P02	P03									
P03	P05									
	Total Feet 610 (336.4 ACSR PRI) ACTUAL Removed Total Feet 610 (4/0 ACSR NEUT) ACTUAL Removed									

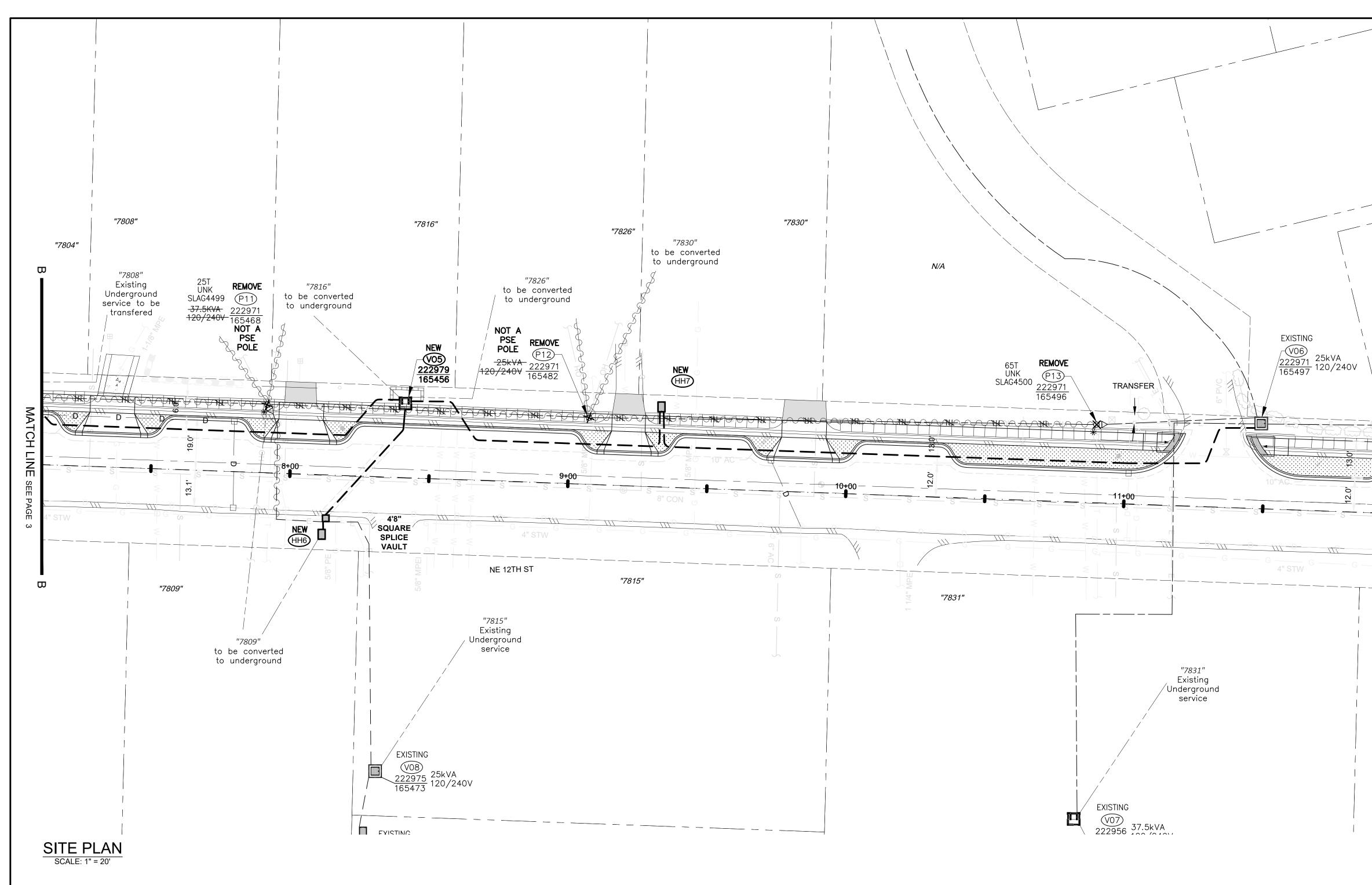
Total Feet 25 (#2 ACSR) ACTUAL_____Removed

						REAL ESTATE/EA	SEMENT	PERMIT		
							N/A	PER /_CITY		
3						FUNCTION	CONTACT		D DATE	
2						PROJECT MGR	Daniel Aguirre	PMi	M/D/YY	
1						ENGR - POWER	Denni Booth	ENG	M/D/YY	
REV#	DATE	BY	DESCRIPTIC	N		ENGR - GAS	γ.	N/A	N/A	
COUNTY		Emer Sect	Gas Wk Ctr	POWE	R WK CTR	DRA'' N BY	Na 5 n ka	DRAFT#	M/D/YY	
KIN	G	N/A	N/A		CSPFEPI					
1/4 SEC		OP MAP	•	PLAT N	/AP	VED BY				
QUARTE	R_SEC	N/	A		N/A	ORE AN #				
U-MAP NO (I	POWER)	ОН СКТ МА	P UG CKT	ЛАР		ORE VIAN #2	101			
2100E	001	2100E00	2 2100	003	CIF ·XX	MAPPING	101			
				JOI	TI CILITIES A	RRANGEMENTS				
	UTILITIES	KNT	N		N/A	TON	N/A	N	/A	
	CC VTAL		N/		N/A	ONP	N/A	N	/A	
	P ONF.#		N/		N/A	N/A N/A			/A	
		ET	NF 127	HS	i Pedestr	ian Improver	nent	INCIDENT N/A	MAOP N/A	
PSE	SOU ENE		NC)	OH to UG Con	version		Gas Order N/A	Elect Order 101142023	
	EINEI			7608	NE 12 ST MEDIN	NA, WA 98039		SCALE	PAGE	
								AS NOTED	2/4	



	WIRE REMOVAL TABLE										
Loca	ation			Length							
From	То	Wire Size & Type	Quantity	-	Remarks						
P05	P06										
P05	P07										
P05	P08										
P08	P09										
P09	P10										
	Total Feet 610 (336.4 ACSR PRI) ACTUAL Removed Total Feet 610 (4/0 ACSR NEUT) ACTUAL Removed Total Feet 25 (#2 ACSR) ACTUAL Removed										

					REAL ESTATE/EAS		PERMIT	
					Ν	N/A	PERM	
3					FUNCTION	CONTACT	PHONE NO	DATE
2					PROJECT MGR	Daniel Aguirre	Pi, 't	M/D/YY
1					ENGR - POWER	Dennis Booth	#ز EN	V/D/YY
REV#	DATE	BY	DESCRIPTIO	N	ENGR - GAS	J/A	N.	íN/A
COUNTY		Emer Sect	Gas Wk Ctr	POWER WK CTR	DRAWN BY	Nasi Kirika	RAF1#	M/D/YY
KING	G	N/A	N/A	CSPFEPI	CHECKED B			
1/4 SEC		OP MAP	•	PLAT MAP	APPR'. 'ED E '			
QUARTEF								
U-MAP NO (F	POWER)	ОН СКТ МА	P UG CKT	MAP CIRCUIT IO), 7R'EM, N #2			
2100E	001	2100E00	2 2100	CIR-) K	M, PIN J			
				JOIN FACILIT SA	F PANGEMENTS			
	UTILITIES		N/z	N _i A	d	I.A	N	/A
(CONTACT		N//	N/A	6NS	N/A	N	/A
	PHONE#		N/J	N/A		N/A	N	/A
	PUG	T	NF 121	TH ST Pedestr	an Improven	nent	INCIDENT N/A	MAOP N/A
PSE SOULD ENERGY				CH to UG Conversion			Gas Order N/A	Elect Order 101142023
	EINER			7608 NE 12 ST MEDIN	√A, WA 98039		SCALE	PAGE
							AS NOTED	3/4



WIRE REMOVAL TABLE										
Location				Length						
From	То	Wire Size & Type	Quantity	(Circuit FT)	Remarks					
P11	P12									
P12	P13									
	Removed Removed Removed									

						REAL ESTATE/EA	SEMENT	PERMIT		
							N/A	PE'RM_CITY		
3						FUNCTION	CONTACT	PHL IF NO	DATE	
2						PROJECT MGR	Danie Aguirr	PN ¥	M/D/YY	
1						ENGR - POWER	Denr. \Booth	EN #	M/D/YY	
REV#	DATE	BY	DESCRIPTIC	N		ENGR - G^S	<u> </u>	N/A	N/A	
COUNTY		Emer Sect	Gas Wk Ctr	POWER	WK CTR	DR, VN B	Nusni rika	DRAFT#	M/D/YY	
KIN	G	N/A	N/A CSPFEPI		CSPFEPI	CHE KED BY				
1/4 SEC		OP MAP		PLAT M	AP	APP OVED BY				
QUARTE	R_SEC	N/	Ά		N/A	FOR VAN #1	-1			
U-MAP NO (I	POWER)	ОН СКТ МА	P UG Ch	MAP	IRCLIT 1 ?	FOREMAN #2	ION			
2100E	001	2100E00	210	E003	ΟΙ Ζ-Χλ	MAPPING				
				JO N	T ACILITIES A	RRANGEMENTS				
	UTILITIES		'A	7	N/A		N/A	N/	A	
-	NTA T		A 1		N/A.		N/A	N	A	
	HO'₁E#		iv/A				N/A	N	A	
PUGEI NE 12TH ST Pede					Pedestri	ian Improver	nent	INCIDENT N/A	MAOP N/A	
PSE SOUND ENERGY			NO	(OH to UG Con	version		Gas Order N/A	Elect Order 101142023	
	LINLY			7608 1	NE 12 ST MEDIN	NA, WA 98039		SCALE	PAGE	
								AS NOTED	4 / 4	