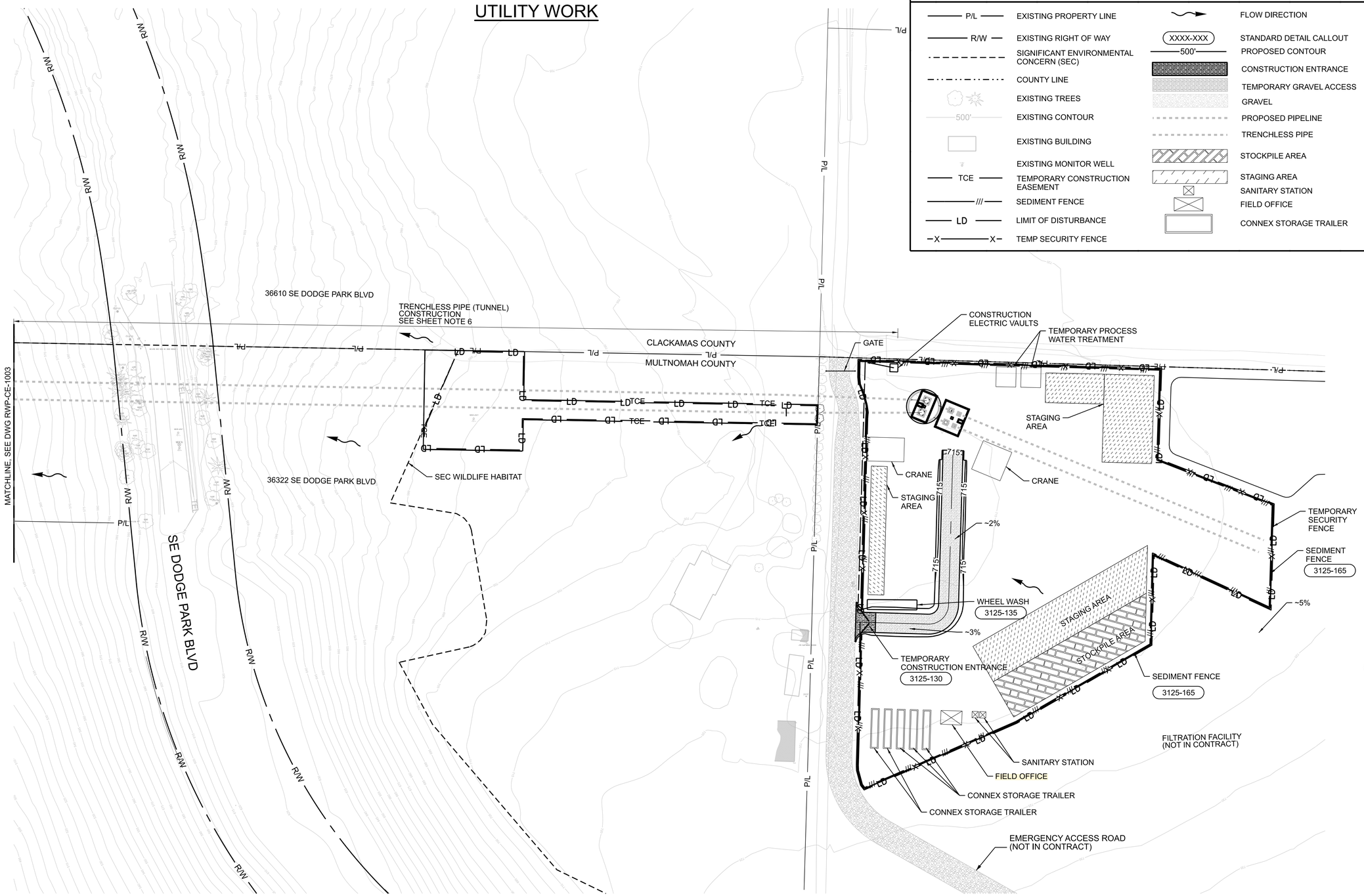
UTILITY WORK



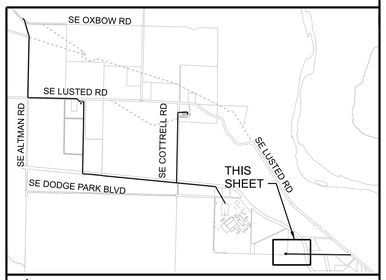
LEGEND

P/L	EXISTING PROPERTY LINE		FLOW DIRECTION
R/W	EXISTING RIGHT OF WAY	XXXX-XXX	STANDARD DETAIL CALLOUT
	SIGNIFICANT ENVIRONMENTAL CONCERN (SEC)	500'	PROPOSED CONTOUR
	COUNTY LINE		CONSTRUCTION ENTRANCE
	EXISTING TREES		TEMPORARY GRAVEL ACCESS
500'	EXISTING CONTOUR		GRAVEL
	EXISTING BUILDING		PROPOSED PIPELINE
	EXISTING MONITOR WELL		TRENCHLESS PIPE
TCE	TEMPORARY CONSTRUCTION EASEMENT		STOCKPILE AREA
///	SEDIMENT FENCE		STAGING AREA
LD	LIMIT OF DISTURBANCE		SANITARY STATION
X	TEMP SECURITY FENCE		FIELD OFFICE
			CONNEX STORAGE TRAILER

GENERAL SHEET NOTES

1. REFER TO EROSION AND SEDIMENT CONTROLS NOTES, SHEET ESC-004.
2. PROTECT ALL EXISTING STRUCTURES AND TREES NOT SHOWN FOR DEMOLITION.
3. REMOVE AND REPLACE ROADWAY PAVEMENT WITHIN LIMITS OF DISTURBANCE TO MATCH EXISTING LINE AND GRADE.
4. CONTRACTOR TO RE-GRADE DISTURBANCE AREA FROM PIPELINE CONSTRUCTION TO MATCH EXISTING GRADE, WHERE NOT OTHERWISE SHOWN ON DRAWINGS.
5. ALL DISTURBANCE AREA NOT RECEIVING PAVEMENT OR GRAVEL, UNLESS OTHERWISE SHOWN, SHALL BE RESTORED WITH GRASS SEEDING, SLOPES STEEPER THAN 3:1 SHALL BE RESTORED WITH GRASS SEEDING AND PERMANENT EROSION CONTROL BLANKETS AS SPECIFIED AND PER DETAIL 3125-152, SHEET ESC-201.
6. TWO EACH 9' DIAMETER 1240' LONG PARALLEL TUNNELS, WITH 9' OF SEPARATION BETWEEN TUNNELS, WILL BE EXCAVATED FROM A PORTAL SHAFT WITH INVERT 33' BELOW GROUND SURFACE AT THE START OF THE TUNNEL AND 232' BELOW GROUND SURFACE AT THE END OF THE TUNNEL DEEP VERTICAL SHAFT. THE TUNNEL EXCAVATION OPENTION WILL BE CONTINUOUSLY SUPPORTED BY STEEL SETS AND LAGGING INSTALLED IMMEDIATELY FOLLOWING THE EXCAVATION SHIELD TO MINIMIZE CONVERGENCE.
7. CONTOURS DISPLAYED AND LABELED EVERY 5FT.

0 50 100 150
Scale In Feet



KEYPLAN

Exhibit A.3

14.W02563_RWP-CE-1004.dgn

21-MAY-2024 18:05

No	Date	Description	Appd

Revision

Survey

ISSUED FOR CONFORMED SET ONLY

FOR STAMPED DESIGN PLEASE REFER TO JUNE 6, 2023 100% FINAL DESIGN PACKAGE

Designed By	RG	Program Mgr	DH
Drawn By	JL	Const Mgr	BN
Checked By	RG	CM/I Eng Mgr	JB
Project Mgr	BJP	Date	9/29/23

WARNING

0 1"

If this bar does not measure 1" then the drawing is not to scale

PORTLAND WATER BUREAU

FROM FOREST TO FAUCET

KENNETH M. ACKERMAN, PRINCIPAL ENGINEER, PE #19424

Date

CITY OF PORTLAND OREGON 1851

Bull Run Filtration Pipelines

RAW WATER PIPELINE EROSION AND SED CONTROL

UTILITY WORK 2
GRID 3

SAP Project No
W02563

1/4 Section

Sheet No
RWP-CE-1004

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