



Department of Land Use and Transportation
 Operations and Maintenance Division
 1400 SW Walnut Street, MS 51
 Hillsboro, OR 97123
 Phone: 503-846-7623 / Fax: 503-846-7620

Inspection Request Line (IVR)
Codes: 950 Operations Interim, 951 Operations Final
IVR: 503-846-3699
Online: <http://washcooraca.com>

Permit 230236

Right-of-Way Utility	Issued
-----------------------------	---------------

Description:
 12777 SW Tualatin-Sherwood Rd - Utility *SCOTT MILLER said we need two permits for this. One through the CIP project and one permit for the poles that fall outside of that. This is my 2nd attempt submitting this permit- I will attach the email thread with Scott Miller in the attachments. JOB DESCRIPTION: For PGE job: M2851163- PGE Crew to perform overhead work to re-frame multiple poles, also PGE to replacemultiple poles and install new poles. PGE to install/remove facilities. Construct New Facility

Street/Road Information	Key Dates
Site Address: 12777 SW TUALATIN-SHERWOOD RD	Accepted Date: 02/06/2023
Location: 12777 SW Tualatin-Sherwood Rd - Utility	Issued Date: 02/23/2023
Nearest Cross Street:	Proposed Start: 02/27/2023
Parcel:	Estimated Completion: 02/27/2024
Subdivision:	Expiration Date: 02/23/2024

Applicant: PGE 2213 SW 153rd Dr Beaverton OR 97003 5036725446 crewcoordination-western@pgn.com	Contractor:
---	--------------------

Special Conditions

1. Coordinate the schedule of this work with Scott Miller (503)846-7921
2. Coordinate with other contractors on site to ensure traffic control compliance throughout all work associated with this permit
3. Please call the inspection request line for start work, sidewalk and curb form inspection, and any other questions you might have regarding this permit. If work is interrupted and restarted call the inspection request line for start.
4. The authorized lane restrictions under this permit are from 9:00AM to 3:30PM.
5. Any damage to the asphalt road surface is to be repaired with an approved asphaltic material. If steel plates are needed, please apply for a steel plate permit at washcooraca.com.
6. All sidewalk repairs are to be full panel replacement. (i.e. joint to joint). The work area is to be barricaded and an ADA compliant alternate pedestrian route provided.
7. This permit is for Washington County Right-of-Way only, other permits may be required.

8. Please ensure that an alternate ADA path is provided for pedestrians during sidewalk removal and construction.
9. No cuts in roadway without prior approval.
10. If traffic control affects traffic light sensors traffic signal shutdown will be required.
11. Traffic control must address bike lane if affected.
12. Traffic control must be adjusted to meet conditions in field.
13. ALL VEHICLES, MATERIALS, AND EQUIPMENT MUST BE REMOVED FROM RIGHT OF WAY AT END OF EACH DAY
14. No vehicles or trailers to be parked on sidewalk or curb at any time
15. Pole (s) must be a minimum of 2' from F.O.C (outer edge of pole)
16. Pole (s) must be a minimum of 6" from edge of sidewalk (outer edge of pole)
17. Sidewalk width shall not be affected by pole(s)

Important Notice

- A) This permit is only valid when issued with the approved plans, the attached General Conditions, the above Special Conditions, and any other specified attachments or requirements.
- B) Additional fees may be required if there is a substantial change in the scope of work requiring further review by Washington County or if more than three site visits are needed for inspection purposes.
- C) If this permit expires without an approved final inspection or if the requirements of this permit have not been met to the satisfaction of Washington County, a notice may be placed in the property record related to the permit status which could delay the issuance or closure of other permits.
- D) Failure to comply with the terms and conditions of this permit may result in a code violation citation or other legal action necessary to enforce the terms of the permit.



GENERAL CONDITIONS
For Permits To Work in Washington County Right-of-Way

1. Comply with these General Conditions unless otherwise allowed, in writing, or modified by the Special Conditions or Special Provisions contained within this permit.
2. This permit does not authorize any activity on privately owned property or public rights-of-way not under the control and jurisdiction of Washington County.
3. Failure to comply with any term or condition of this permit shall be cause for the County to revoke, annul, terminate, suspend, revise or amend this permit or issue code violation citation or take any legal action necessary to correct the violation. All costs associated with work stoppage or revocation as provided herein are the responsibility of the Permittee.
4. Follow the direction of Washington County if actual site conditions warrant the need to modify any previously approved construction, traffic control, or erosion control plan. Washington County reserves the right to make changes to the permit and approved supplementary documents including any and all plans at any given time. If submitted plans were prepared by an engineer, submit as built plans to Washington County at project completion.
5. Obtain County approval prior to modifying the scope of the permitted work.
6. Communicate and coordinate, as needed, with adjacent residents, businesses, and other service providers (i.e. utilities, transit providers, garbage haulers, etc.) that may be impacted by the work associated with this permit.
7. Comply with all applicable city, county, state and federal laws and regulations associated with the performance of the work authorized by this permit. Laws and regulations listed in these General Conditions or the Special Provisions are for courtesy purposes only. These listings are not intended to be comprehensive. It is the responsibility of the Permittee and those performing the work to be knowledgeable about all applicable laws and regulations.
8. Washington County has the authority to designate the location where lines, fixtures and facilities may be located, and subject to ORS 758.025 may order the location of any such line, fixture or facility to be changed when deemed expedient by the County. Any line, fixture or facility erected or remaining in a different location upon such road than that designated in any order of the County is a public nuisance and may be abated accordingly.
9. Obtain any other permits, licenses, or authorizations required by other utilities, public agencies, or organizations for performing work authorized under this permit.
10. ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0100. You may obtain copies of the rules by calling the center. The telephone number for the Oregon Utility Notification Center is (503) 232-1987, (800) 332-2344, or 811. You can also visit www.digsafelyoregon.com for more information. The Oregon Utility Notification Center One Call locates telephone number in the greater Portland Metropolitan area is (503) 246-6699.
11. Permittee shall contact the County, using one of the *Contact Options* below, at least one (1) business day prior to the following milestones:
 - a) Start of construction – For notification purposes only. Formal inspection not required to commence construction. Indicate that inspection request is for start of construction.
 - b) Concrete form inspection – Concrete shall not be placed until forms have passed formal inspection.
 - c) Pre-paving inspection – Paving shall not be performed until site has passed formal inspection.
 - d) A break in construction greater than three (3) days (excluding holidays and weekend) – For notification purposes only.
 - e) Completion of construction – Use "Final" inspection code to request inspection after all permitted work is complete.

Contact Options:

- 1) Phone: (503) 846-3699
- 2) Online: <http://washcooraca.com>

Be prepared to have your permit number and inspection code available for entry into the automated system(s).

12. Thirty (30) days prior to the expiration of the permit the Permittee shall contact the County at 503-846-7623 and provide an update and status of the permitted work, if the work has not been completed. If the work will not be completed prior to permit expiration, the Permittee shall request an extension for the permit or risk having to re-apply for a new permit with new fees and requirements associated with the work.
13. Construct the permitted activity with materials, equipment, labor, and workmanship to meet or exceed the relevant specifications established in the Washington County *Road Design and Construction Standards* (Ordinance #738 as adopted January 27, 2011), the 2018 Oregon Standard Specifications for Construction, and any special conditions or provisions established by this permit. Ensure quality control is maintained for all work performed and correct any work that does not meet the minimum standards and specifications.



GENERAL CONDITIONS
For Permits To Work in Washington County Right-of-Way

14. Establish and maintain work zone traffic control in compliance with the *Oregon Temporary Traffic Control Handbook for Operations of Three Days or Less* (December 2011) any time vehicle or pedestrian traffic is influenced by the work. For work requiring devices in place longer than three (3) days, a site specific traffic control plan based on the principles in Part 6 of the MUTCD, the Oregon Supplement and ODOT's 2015 Standard Drawings TM800 – TM871, is required. All traffic control devices shall meet or exceed the NCHRP 350 requirements for crashworthiness. Completed signal shut down requests must be received by the County a minimum of 3 working days prior to any proposed signal shut down.
15. Accommodate all road users at all times including motorists, bicyclists, pedestrians, and those with disabilities or impairments. Install and maintain additional temporary signing and traffic control devices for the control of non-motorized vehicles and pedestrians where a reasonable volume of these users are expected and where work is expected to last longer than one hour. Maintain safe accessibility or provide suitable alternate routes in, through, or around work areas.
16. Limit work & activity (construction, restoration, erosion control, etc) to no more than 1,000 lineal feet at any one time.
17. Impact no more than one consecutive intersection at a time.
18. Do not store or park any equipment, vehicles, or materials in the right-of-way overnight unless approved by Washington County.
19. Utilize construction materials and methods to maintain at least one travel lane at all times. Adjust work zone to ensure no vehicles are stopped, held or restricted for more than fifteen (15) minutes. Lane restrictions may be allowed in accordance with an approved traffic control plan and according to the following table:

Functional Classification	Mon – Fri (except on day preceding holiday)		Day preceding a holiday
	Earliest Start Time	Latest End Time	Latest End Time
Arterial	9:00 a.m.	3:30 p.m.	12:00 p.m.
Collector/ Neighborhood Route	8:30 a.m.	4:00 p.m.	
Local	8:00 a.m.	5:00 p.m.	

20. Suspend work on the following holidays: **New Year's Day** (Jan 1), **Martin Luther King Day** (3rd Mon in Jan), **President's Day** (3rd Mon in Feb), **Memorial Day** (last Monday in May), **Independence Day** (Jul 4), **Labor Day** (1st Monday in Sept), **Veteran's Day** (Nov 11) **Thanksgiving** (4th Thursday & 4th Friday in Nov), **Christmas Day** (Dec 25).
 When a holiday falls on a Saturday, the observed holiday is the preceding Friday.
 When a holiday falls on a Sunday, the observed holiday is the following Monday.
21. Comply with Washington County's *Best Management Practices for Routine Road Maintenance* (December 2010) as well as Clean Water Services' *Erosion Prevention and Sediment Control Standards* and the appropriate best management practices outlined in Clean Water Services' *Design and Construction Standards*.

 Ensure all equipment is clean and leak free with sufficient and appropriate spill prevention and clean up materials on site and the personnel involved with the permitted activity are familiar with and proficient in the use of these materials. When not being actively used for the permitted activity, remove construction equipment from the right-of-way. Do not park, re-fuel, or service equipment or store hazardous materials directly over or uphill from catch basins, drainage inlets, or manholes or within 150 feet of any wetland, waterway, or resource water. When reasonably available, re-fuel over an impervious surface and use absorbent pads to collect spilled fuel.

 Install and maintain appropriate erosion and sediment control devices, in accordance with an approved Erosion and Sediment Control Plan (ESCP) to ensure that all catch basins, drainage inlets, manholes, wetlands, waterways, and resource waters are sufficiently protected from erosion and sediment. In the absence of a formal ESCP, comply with Clean Water Services' *Erosion Prevention and Sediment Control Standards*.
22. Preserve and protect all public and private infrastructure ensuring that these facilities continue to properly function during the course of the permitted activity, including, but not limited to, underground storm drainage systems, open drainage systems, culverts, roof drains, field inlets and drains, irrigation systems, traffic control devices, and illumination.
23. Restore all existing infrastructure, affected by the permit activity, to original or better condition. Restoration includes, but is not limited to, the road surface, base and subgrade, pavement markings, drainage facilities, signs, safety appurtenances, bicycle and pedestrian facilities, vegetation or landscaping and any other feature affected by the activity. Restoration of the right-of-way shall be completed in a timely manner and to the County's satisfaction.
24. Re-establish surfaces to their pre-existing grade at the end of each work day. For Asphaltic surfaces or Portland cement concrete, interim re-establishment shall be with either hot mix or cold mix asphaltic concrete and shall be in place for no longer than fourteen (14) calendar days. Beyond fourteen (14) calendar days, permanent right-of-way restoration shall be used unless approved by the County. STEEL PLATES are NOT an acceptable interim solution unless prior approval has been obtained through Washington County.



GENERAL CONDITIONS
For Permits To Work in Washington County Right-of-Way

25. Installation of underground utilities or any other buried appurtenance shall be at least thirty (30) inches below grade. All mechanically extracted, cylindrical cores, up to 8" diameter, taken from the paved section of roadway shall be restored according to the County's "Core Hole" Detail.
26. Concrete panels shall not be cut without express written permission from Washington County. If concrete panels, curbs, sidewalks or driveways are disturbed or damaged, replacement of full panels, to the nearest cold joint, shall be required. Prior to pouring concrete. Permittee shall submit concrete mix design for review and approval by Washington County and arrange for a form inspection.
27. Preserve and protect survey monuments, public land corners and any accessory associated with these features. If interference, removal, or destruction is necessary, comply with ORS 209.140 through ORS 209.155. Additionally, utility infrastructure may not be placed within one foot of a survey monument location noted on a subdivision or partition plat, in accordance with ORS 92.044. The Washington County Surveyor can be reached at (503) 846-8723.
28. Comply with Washington County's Noise Control Ordinance established in Chapter 8.24 of the County's *Code of Ordinances*. Acquire a variance to the noise ordinance, when needed.
29. Interaction with the County, other agencies, service providers and the public shall be in a professional, courteous and timely manner.
30. Maintain a complete set of the permit, approved plans, traffic control plans, erosion control plans, and any conditions or special provisions at the job site and have them available for review, upon request.
31. Grant the County immediate access to the permitted work area. The Permittee shall appoint and assign a foreman or competent person that shall be available as the County's point of contact while work is being performed. If this foreman or competent person is unavailable while work is being performed, the Permittee shall provide the County with an alternate. The County reserves the right to enter the work area covered under this permit for any reason.
32. Permits are valid for one year from date of issuance and all work must be completed in that time period. Expired permits, without an approved final inspection, may have a notice placed in their property record related to the permit status.
33. If the requirements for this permit have not been met, there may be a denial or delay with the issuance of other permits.
34. Guarantee all permitted work for a minimum of one year from date of completion. County may require a cash deposit during the guarantee period depending on the type of work. In the event that the Permittee fails to perform warranty work in a timely manner to the satisfaction of Washington County, the deficient work may be corrected, mitigated, or abated by the County. Permittee shall be responsible for all expenses associated with work done by the County to correct, mitigate, or abate a deficiency.
35. Additional fees may be required if there is a substantial change in the scope of work which requires further review by Washington County or if more than three site visits are needed for inspection purposes. Additional inspection fees will be charged in accordance with the adopted fee schedule.
36. Include the permit number in all written and verbal correspondence with the County.
37. Comply with the Right-of-Way Permit Insurance Requirements (i.e. Tier 1, Tier 2, or Tier 3) determined for this permit.

DEVICE SPACING:

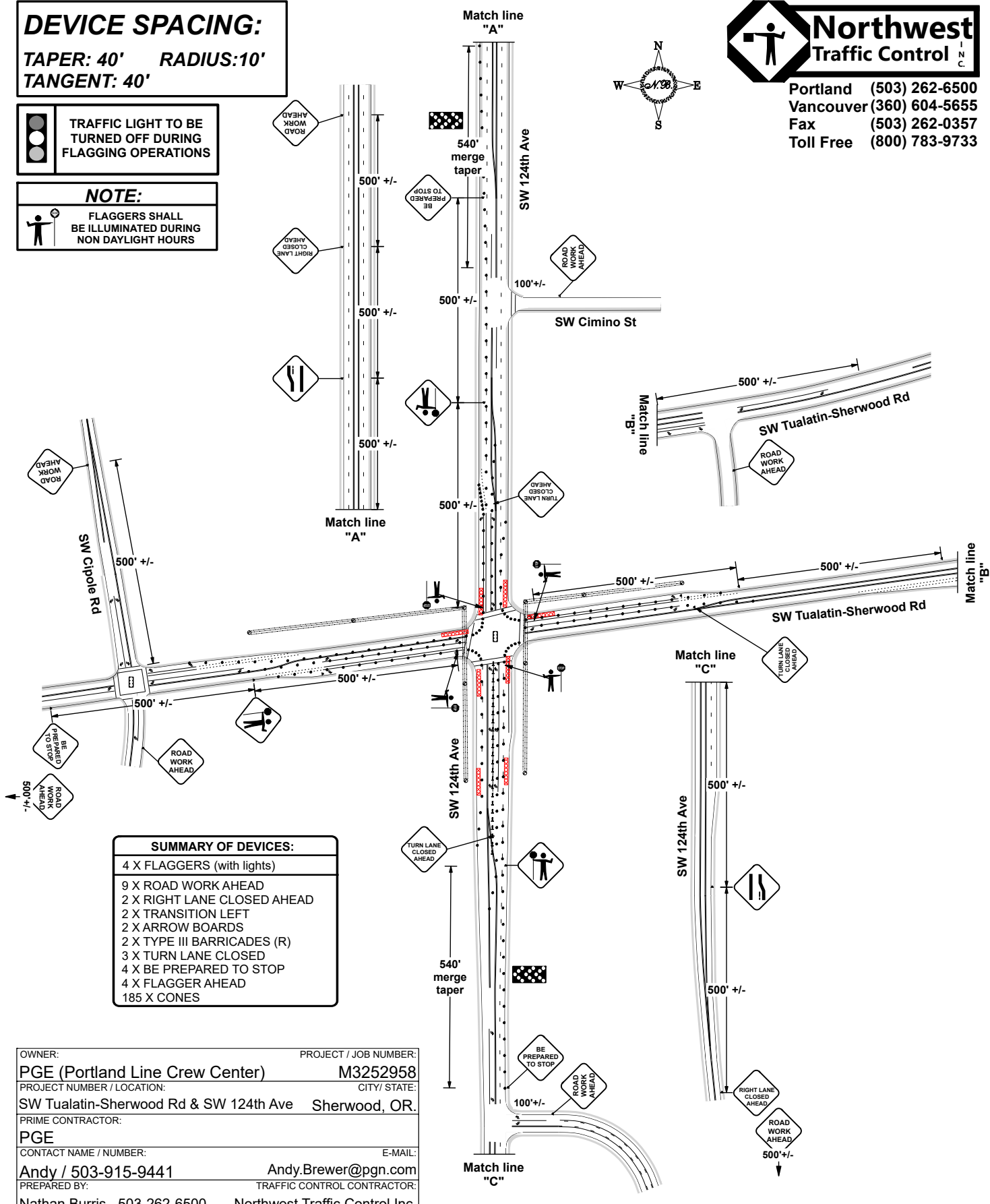
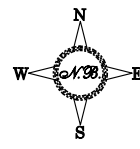
TAPER: 40' RADIUS:10'
TANGENT: 40'

 TRAFFIC LIGHT TO BE
TURNED OFF DURING
FLAGGING OPERATIONS

NOTE:
 FLAGGERS SHALL
BE ILLUMINATED DURING
NON DAYLIGHT HOURS



**Northwest
Traffic Control**
Portland (503) 262-6500
Vancouver (360) 604-5655
Fax (503) 262-0357
Toll Free (800) 783-9733



SUMMARY OF DEVICES:	
4 X	FLAGGERS (with lights)
9 X	ROAD WORK AHEAD
2 X	RIGHT LANE CLOSED AHEAD
2 X	TRANSITION LEFT
2 X	ARROW BOARDS
2 X	TYPE III BARRICADES (R)
3 X	TURN LANE CLOSED
4 X	BE PREPARED TO STOP
4 X	FLAGGER AHEAD
185 X	CONES

OWNER:	PROJECT / JOB NUMBER:
PGE (Portland Line Crew Center)	M3252958
PROJECT NUMBER / LOCATION:	CITY / STATE:
SW Tualatin-Sherwood Rd & SW 124th Ave	Sherwood, OR.
PRIME CONTRACTOR:	
PGE	
CONTACT NAME / NUMBER:	E-MAIL:
Andy / 503-915-9441	Andy.Brewer@pgn.com
PREPARED BY:	TRAFFIC CONTROL CONTRACTOR:
Nathan Burris 503-262-6500	Northwest Traffic Control Inc.
OR Cert # Exp: 11/30/2022 WA Cert # Exp: 04/30/2025	E-MAIL:
07634	012780 Nathan@nwtci.com

FILE DATE: 12/06/2022

**All signs and devices SHALL conform to the MUTCD / OTTCH.
Will adjust to fit field conditions.
Plan NOT to scale.**

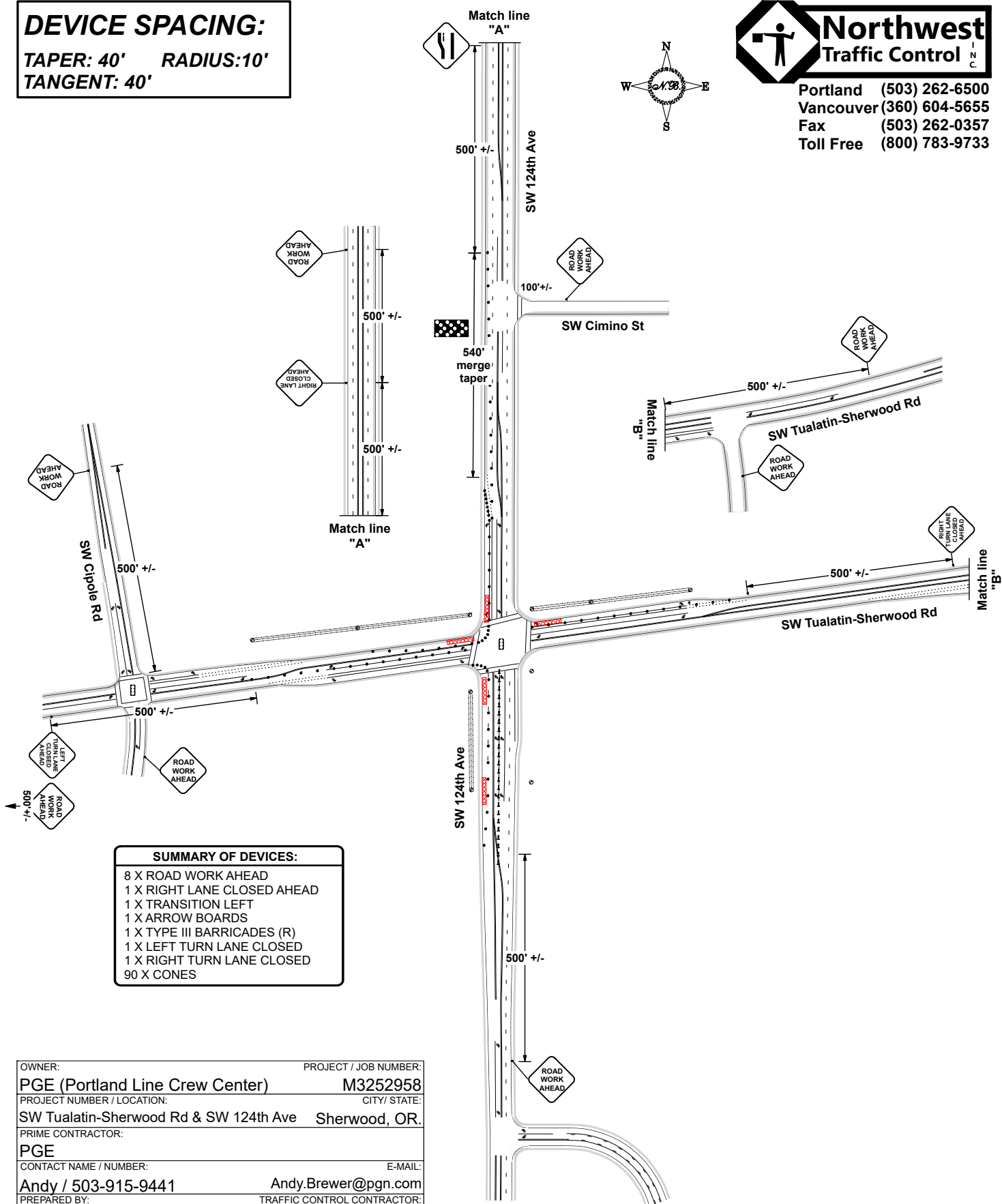
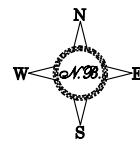
DEVICE SPACING:

TAPER: 40' RADIUS:10'

TANGENT: 40'



Northwest Traffic Control
 Portland (503) 262-6500
 Vancouver (360) 604-5655
 Fax (503) 262-0357
 Toll Free (800) 783-9733



- SUMMARY OF DEVICES:**
- 8 X ROAD WORK AHEAD
 - 1 X RIGHT LANE CLOSED AHEAD
 - 1 X TRANSITION LEFT
 - 1 X ARROW BOARDS
 - 1 X TYPE III BARRICADES (R)
 - 1 X LEFT TURN LANE CLOSED
 - 1 X RIGHT TURN LANE CLOSED
 - 90 X CONES

OWNER:	PROJECT / JOB NUMBER:
PGE (Portland Line Crew Center)	M3252958
PROJECT NUMBER / LOCATION:	CITY/ STATE:
SW Tualatin-Sherwood Rd & SW 124th Ave	Sherwood, OR.
PRIME CONTRACTOR:	
PGE	
CONTACT NAME / NUMBER:	E-MAIL:
Andy / 503-915-9441	Andy.Brewer@pgn.com
PREPARED BY:	TRAFFIC CONTROL CONTRACTOR:
Nathan Burris 503-262-6500	Northwest Traffic Control Inc.
OR Cert # Exp: 11/30/2022 WA Cert # Exp: 04/30/2025	E-MAIL:
07634	012780 Nathan@nwtci.com

FILE DATE: 12/12/2022

All signs and devices SHALL conform to the MUTCD / OTTCH. Will adjust to fit field conditions. Plan NOT to scale.

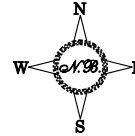
DEVICE SPACING:

TAPER: 40' RADIUS:10'

TANGENT: 40'

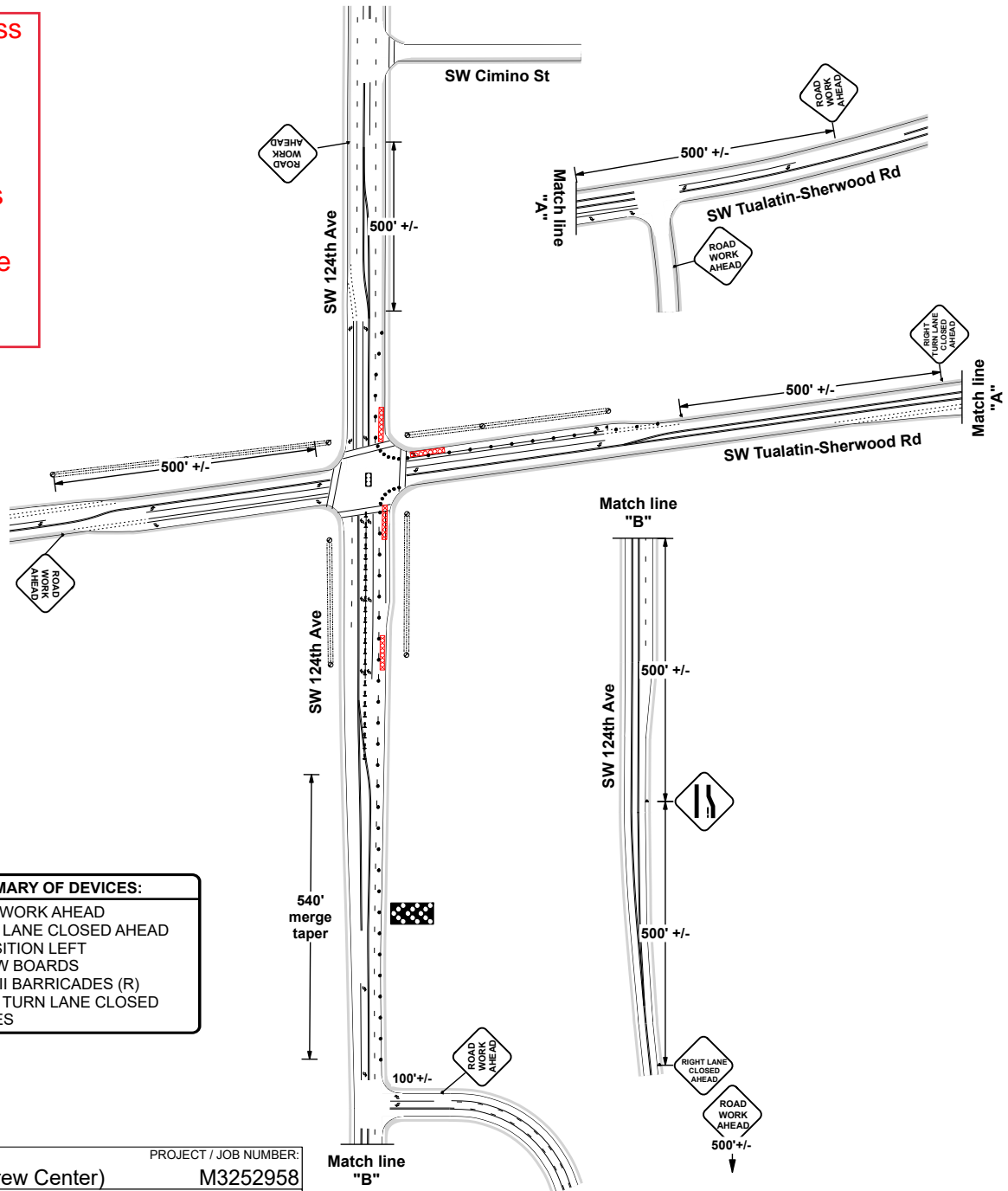


WASHINGTON COUNTY
LAND USE & TRANSPORTATION
OPERATIONS AND MAINTENANCE
REVIEWED BY DENNIS P



Portland (503) 262-6500
Vancouver (360) 604-5655
Fax (503) 262-0357
Toll Free (800) 783-9733

TCP shall address bicycles / pedestrians if applicable. Coordinate with other contractors on site to ensure traffic compliance throughout duration of work

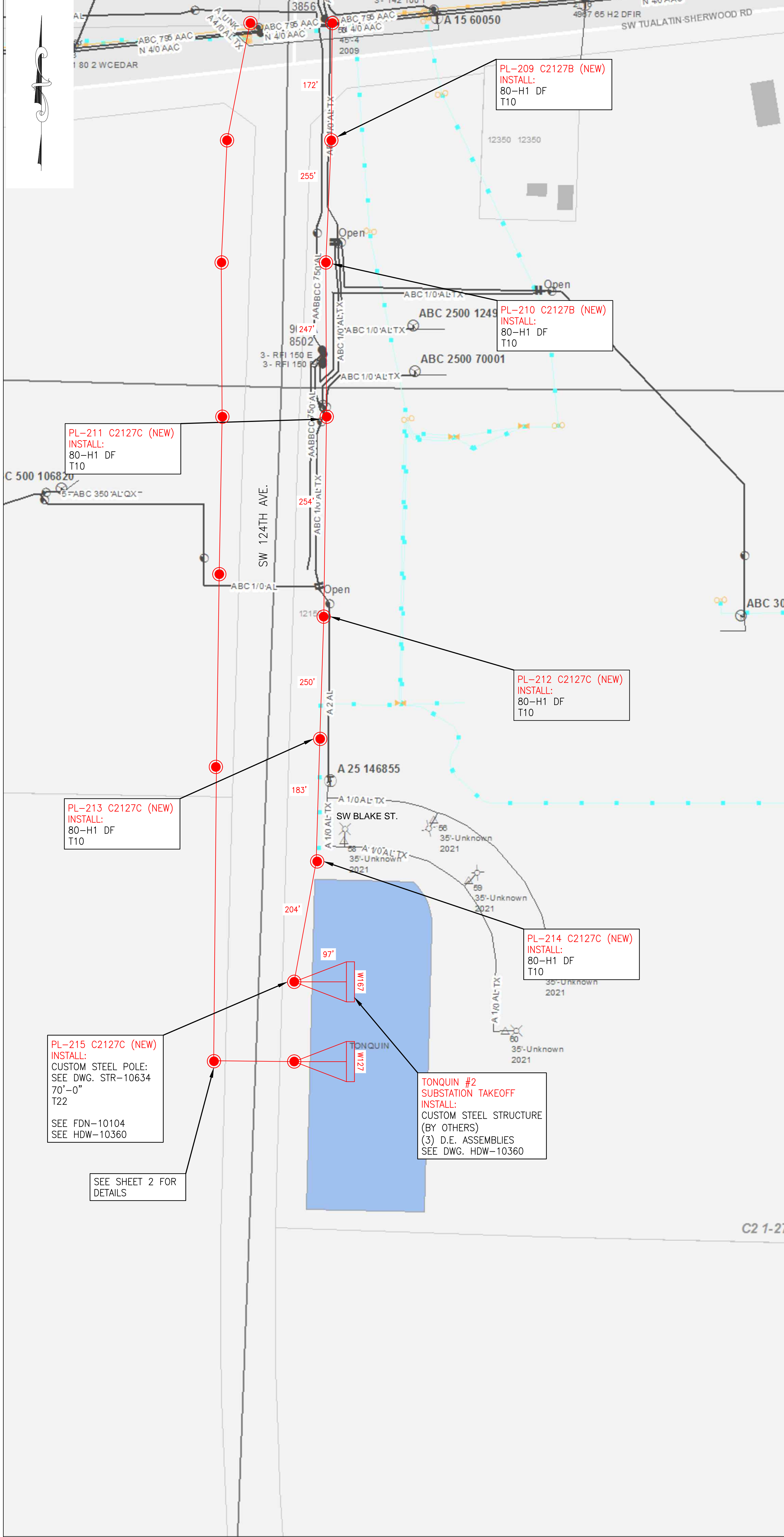


SUMMARY OF DEVICES:
6 X ROAD WORK AHEAD
1 X RIGHT LANE CLOSED AHEAD
1 X TRANSITION LEFT
1 X ARROW BOARDS
1 X TYPE III BARRICADES (R)
1 X RIGHT TURN LANE CLOSED
60 X CONES

OWNER:	PROJECT / JOB NUMBER:
PGE (Portland Line Crew Center)	M3252958
PROJECT NUMBER / LOCATION:	CITY/ STATE:
SW Tualatin-Sherwood Rd & SW 124th Ave	Sherwood, OR.
PRIME CONTRACTOR:	
PGE	
CONTACT NAME / NUMBER:	E-MAIL:
Andy / 503-915-9441	Andy.Brewer@pgn.com
PREPARED BY:	TRAFFIC CONTROL CONTRACTOR:
Nathan Burris 503-262-6500	Northwest Traffic Control Inc.
OR Cert # Exp: 11/30/2022 WA Cert # Exp: 04/30/2025	E-MAIL:
07634 012780	Nathan@nwtci.com

FILE DATE: 12/15/2022

All signs and devices SHALL conform to the MUTCD / OTTCH. Will adjust to fit field conditions. Plan NOT to scale.



OVERHEAD LEGEND:

- INSTALL FACILITIES
- REMOVE FACILITIES
- TRANSFER / MODIFY FACILITIES

POLES:

- HT-CL — POLE CLASS (1, 2, 3, 4, H1, H2, S)
- POLE HEIGHT (FEET)

ANCHORS:

ANCHORS:	10" SCL HELIX	10" TRIPLE HELIX	14" SCL H/T	10" EXPANDING	28" PLATE
A (LEAD) (LBS)					
ANCHOR CODE	A1	A3	A5	A7	A8



GUYING:

G (POS.-LBS.)	5/8" O.H.	3/8" O.H.	7/8" O.H.	1/2" O.H.	3/8" D.G.	7/8" D.G.	1/2" D.G.
1 GUY	G1	G4	G7	G10	G16	G19	G22
2 GUYS	G2	G5	G8	G11	G17	G20	G23
3 GUYS	G3	G6	G9	G12	G18	G21	G24

FRAMING: TRANSMISSION & DISTRIBUTION (SEE COMMENTS BELOW)

- T10 — FRAME TRANSMISSION – STD LC10754 APS
FRAMING POLY INSULATORS WMS MU 1013
- T22 — FRAME TRANSMISSION – STD LC10755 DVS
FRAMING WITH POLYMER INSULATORS WMS MU 1016

NOTES:

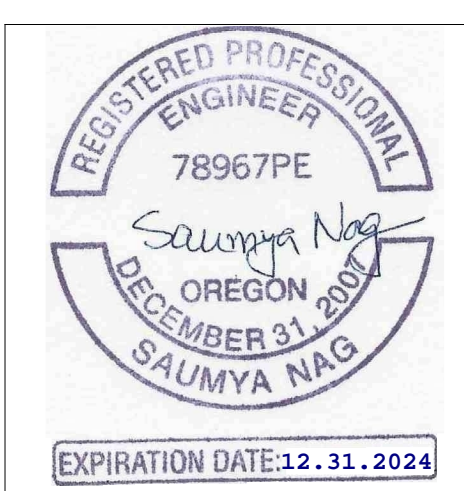
- THE FIRST STRUCTURE ADJACENT TO THE MAINLINE ON ALL OVERHEAD TAPS MAY REQUIRE ADDITIONAL WORK. THESE ISSUES WILL BE DEALT WITH ON A CASE BY CASE BASIS ON THE RECOMMENDATION OF PGE ENGINEERING.
- CONTRACTOR SHALL PERFORM FULL UTILITY LOCATES PRIOR TO ANY EXCAVATION WORK, IN ACCORDANCE TO OREGON STATUTE.

CONDUCTORS:

- INSTALL 795 KCMIL ACSS "DRAKE" (TRANSMISSION)



P1



PGE CONSTRUCTION DRAWING							
AS-BUILT VERIFICATION & NESC VIOLATIONS CORRECTED							
This document accurately represents FIELD Construction.							
Foreman:				Date:			
General Foreman:	(Signature only required for field construction changes.)			Date:			
SDPM/ENG REVIEW:	ASBUILT BY DESIGNER:						
DATE: 01/13/2023	SCALE: NTS	ACCOUNT: N/A	AWD: 1000009928	JOB NO: M2851163			
TITLE: OVERHEAD JOB SKETCH	DRAWING NO: EXH-10292						
COUNT: MERIDIAN-TONQUIN/SHERWOOD-TONQUIN 115 KV	SIZE: 22X34						
LOCATION: TUALATIN, OREGON							
DESCRIPTION: 115 KV TRANSMISSION LINE JOB SKETCH							
COUNTY: WASHINGTON	SECTION(S): C2127C & C2127B	WORK WITH: M2851163	SHEET: 1 OF 4				
DESIGN BY: ALLYSE PAGANO	PHONE: (913)458-9284	DRAWN BY: BLACK & VEATCH	REV: 2				
ENGINEERING: 3700 SE 17TH AVE, PORTLAND, OR 97202	© PORTLAND GENERAL ELECTRIC CO. - ALL RIGHTS RESERVED						

CALL 811 BEFORE YOU DIG

ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0050. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE OREGON UTILITY NOTIFICATION CENTER ADMINISTRATION @ (503-232-1987)

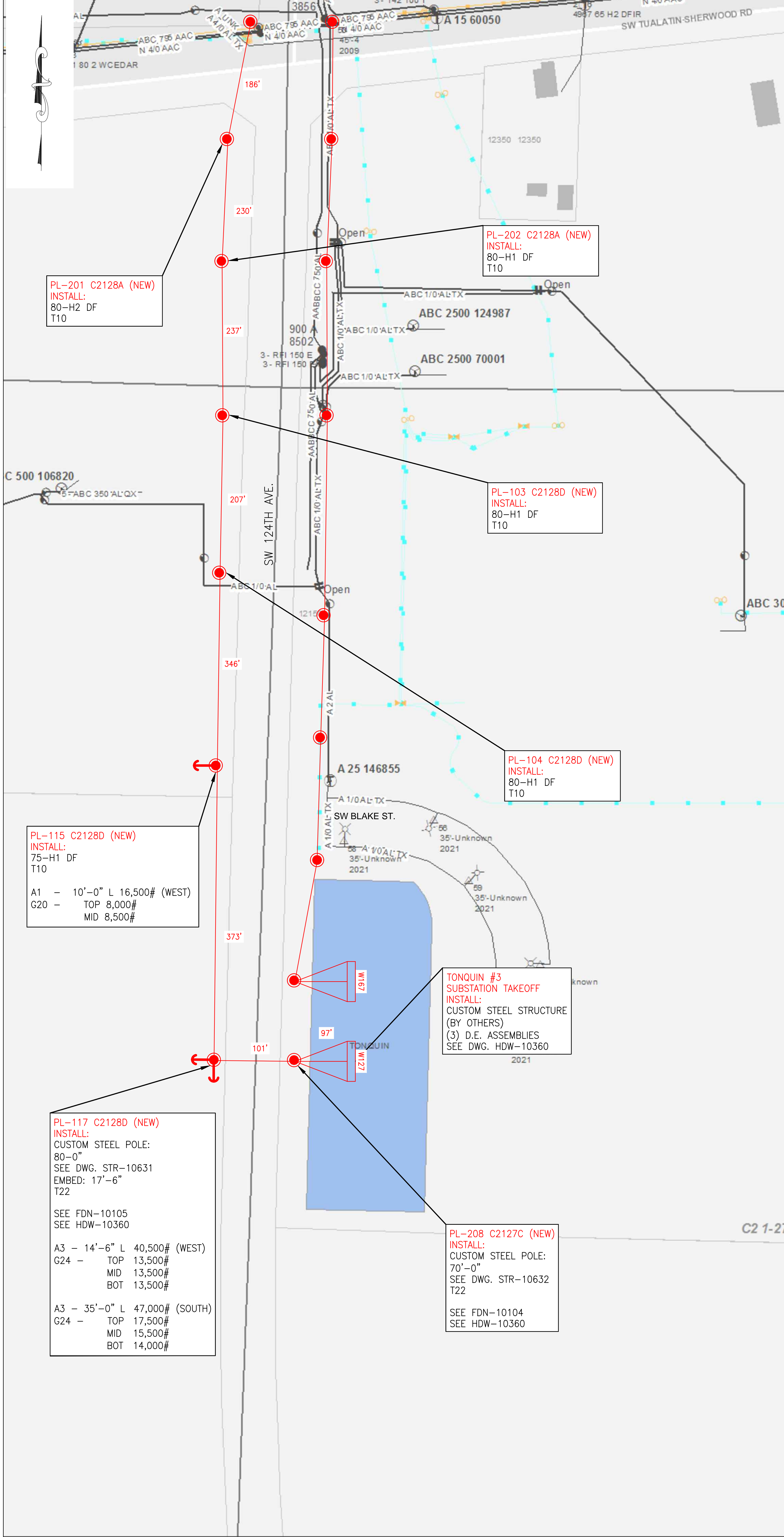
TO REQUEST UTILITY LOCATES CALL THE OREGON UTILITY NOTIFICATION CENTER, 811 AT LEAST 2 BUSINESS DAYS PRIOR TO EXCAVATION.

Know what's below. Call before you dig.

ANY DEVIATION FROM THIS DESIGN MUST BE APPROVED BY PGE PROJECT MANAGER

NO.	DATE	REVISION AND RECORD OF ISSUE	DWN	DES	CHK
2	02/22/23	ADDED ROAD NAMES	TJP	ARP	EKS
1	01/18/23	ISSUE FOR CONSTRUCTION	TJP	ARP	EKS
0	01/13/23	ISSUE FOR CONSTRUCTION	TJP	ARP	EKS





OVERHEAD LEGEND:

- INSTALL FACILITIES
- REMOVE FACILITIES
- TRANSFER / MODIFY FACILITIES

POLES:

HT-CL — POLE CLASS (1, 2, 3, 4, H1, H2, S)
 — POLE HEIGHT (FEET)

ANCHORS:

ANCHOR CODE	10" SCL HELIX	10" TRIPLE HELIX	14" SCL H/T	10" EXPANDING	28" PLATE
A (LEAD)					
(LBS)					

GUYING:

G (POS.-LBS.)	5/8" O.H.	3/4" O.H.	7/8" O.H.	1/2" O.H.	3/8" D.G.	7/8" D.G.	1/2" D.G.
1 GUY	G1	G4	G7	G10	G16	G19	G22
2 GUYS	G2	G5	G8	G11	G17	G20	G23
3 GUYS	G3	G6	G9	G12	G18	G21	G24

FRAMING: TRANSMISSION & DISTRIBUTION (SEE COMMENTS BELOW)

T10 — FRAME TRANSMISSION — STD LC10754 APS
FRAMING POLY INSULATORS WMS MU 1013

T22 — FRAME TRANSMISSION — STD LC10755 DVS
FRAMING WITH POLYMER INSULATORS WMS MU 1016

NOTES:

- THE FIRST STRUCTURE ADJACENT TO THE MAINLINE ON ALL OVERHEAD TAPS MAY REQUIRE ADDITIONAL WORK. THESE ISSUES WILL BE DEALT WITH ON A CASE BY CASE BASIS ON THE RECOMMENDATION OF PGE ENGINEERING.
- CONTRACTOR SHALL PERFORM FULL UTILITY LOCATES PRIOR TO ANY EXCAVATION WORK, IN ACCORDANCE TO OREGON STATUTE.

PL-115 C2128D (NEW)
 INSTALL:
 75-H1 DF
 T10

A1 - 10'-0" L 16,500# (WEST)
 G20 - TOP 8,000#
 MID 8,500#

TONQUIN #3
 SUBSTATION TAKEOFF
 INSTALL:
 CUSTOM STEEL STRUCTURE
 (BY OTHERS)
 (3) D.E. ASSEMBLIES
 SEE DWG. HDW-10360

PL-208 C2127C (NEW)
 INSTALL:
 CUSTOM STEEL POLE:
 70'-0"
 SEE DWG. STR-10632
 T22

SEE FDN-10104
 SEE HDW-10360

PL-117 C2128D (NEW)
 INSTALL:
 CUSTOM STEEL POLE:
 80'-0"
 SEE DWG. STR-10631
 EMBED: 17'-6"
 T22

SEE FDN-10105
 SEE HDW-10360

A3 - 14'-6" L 40,500# (WEST)
 G24 - TOP 13,500#
 MID 13,500#
 BOT 13,500#

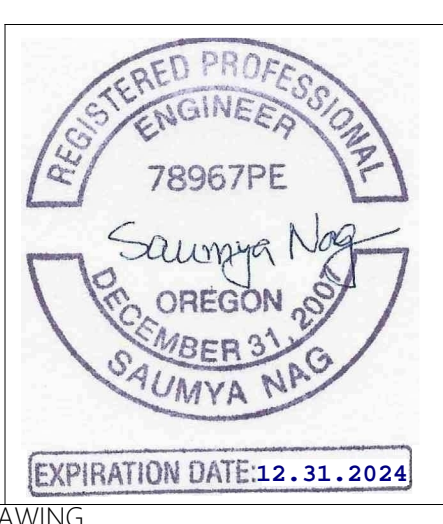
A3 - 35'-0" L 47,000# (SOUTH)
 G24 - TOP 17,500#
 MID 15,500#
 BOT 14,000#

CONDUCTORS:

— INSTALL 795 KCMIL ACSS "DRAKE" (TRANSMISSION)



P1



CALL 811 BEFORE YOU DIG

ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE OREGON UTILITY NOTIFICATION CENTER ADMINISTRATION @ (503-232-1987)

TO REQUEST UTILITY LOCATES CALL THE OREGON UTILITY NOTIFICATION CENTER, 811 AT LEAST 2 BUSINESS DAYS PRIOR TO EXCAVATION.

811
 Know what's below.
 Call before you dig.

ANY DEVIATION FROM THIS DESIGN MUST BE APPROVED BY PGE PROJECT MANAGER

NO.	DATE	REVISION AND RECORD OF ISSUE	DWN	DES	CHK
2	02/22/23	ADDED ROAD NAMES	TJP	ARP	EKS
1	01/18/23	ISSUE FOR CONSTRUCTION	TJP	ARP	EKS
0	01/13/23	ISSUE FOR CONSTRUCTION	TJP	ARP	EKS

PGE CONSTRUCTION DRAWING

AS-BUILT VERIFICATION & NESC VIOLATIONS CORRECTED

This document accurately represents FIELD Construction.

Foreman: _____ Date: _____

General Foreman: _____ Date: _____
 (Signature only required for field construction changes.)

SDPM/ENG REVIEW: _____ ASBUILT BY DESIGNER: _____

DATE: 01/13/2023 SCALE: NTS ACCOUNT: N/A AWO: 1000009928 JOB NO: M2581163

TITLE: OVERHEAD JOB SKETCH DRAWING NO. EXH-10292

GROUP: MERIDIAN-TONQUIN/SHERWOOD-TONQUIN 115 KV SIZE: 22X34

LOCATION: TUALATIN, OREGON

DESCRIPTION: 115 KV TRANSMISSION LINE JOB SKETCH

COUNTY: WASHINGTON SECTION(S): C2127C, C2128D, C2128A WORK WITH SHEET: M2851163 2 OF 4

ENGINEERING: ALLYSE PAGANO PHONE: (913)458-9284 BLACK & VEATCH DRAWN BY: SAUMYA NAG REV 2

3700 SE 17TH AVE, PORTLAND, OR 97202 © PORTLAND GENERAL ELECTRIC CO. - ALL RIGHTS RESERVED