

WILSONVILLE EXPANSION
WILSONVILLE, OR 97070

OWNER / APPLICANT

SHERWOOD BROADBAND
22560 SW PINE ST
SHERWOOD, OR 97140
CONTACT: TODD HURD
MOBILE: (360) 713-8638
E-MAIL: HURDT@SHERWOODOREGON.GOV

SHEET INDEX

SHT	DESCRIPTION
1.0	COVER SHEET/VICINITY MAP
1.1	LEGEND
2.0 - 2.16	CABLE PLAN
3.0 - 3.18	CONDUIT PLAN

DESIGN BY

K&B TECHNICAL SOLUTIONS
P.O. BOX 2529
CLACKAMAS, OR 97015
CONTACT: ERIC ENGLUND
OFFICE: (503) 650-6041 X208
MOBILE: (503) 329-0793
EMAIL: ERIC_ENGLUND@KBMAIL.NET

PERMITS

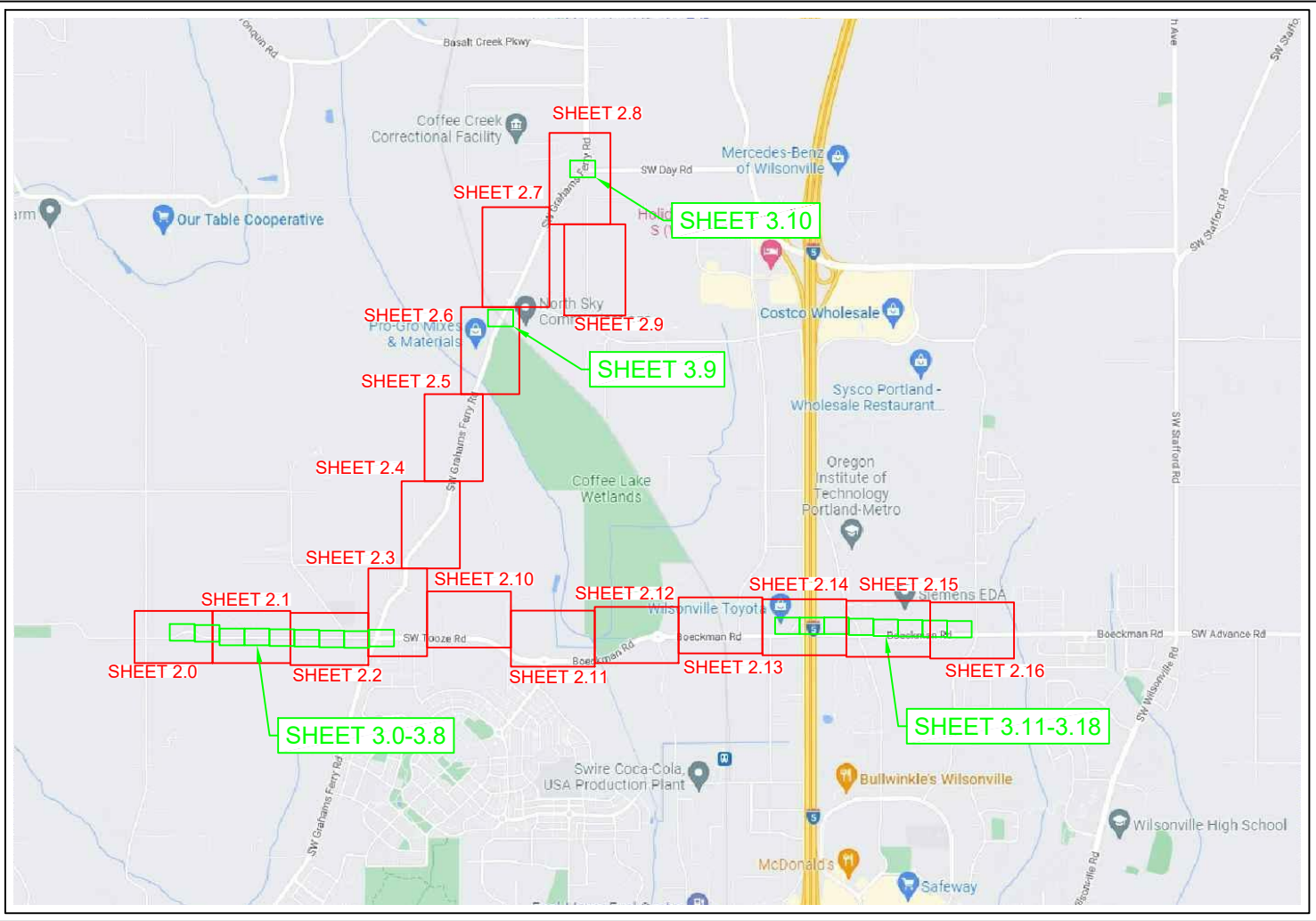
JOINT USE:	PGE 49 POLES
WASHINGTON COUNTY:	RIGHT-OF-WAY; TRAFFIC CONTROL
CLACKAMAS COUNTY:	RIGHT-OF-WAY; TRAFFIC CONTROL
CITY OF WILSONVILLE:	RIGHT-OF-WAY; TRAFFIC CONTROL
ODOT-2B:	RIGHT-OF-WAY; TRAFFIC CONTROL

PROJECT FOOTAGES & MATERIALS

AERIAL:	
STRAND	9,394 FT.
LASH NEW	9,150 FT.
ANCHOR	15 EA.
DOWNGUY	20 EA.

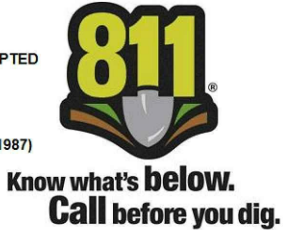
UNDERGROUND:	
(1)-2" PVC RISER	89 FT.
(2)-2" SCH-40 PVC / HDPE SDR-11	6,982 FT.
NEW PULL THROUGH	7,060 FT.
EXISTING PULL THROUGH	11,944 FT.
24"X36"X36" VAULT	10 EA.
30"X48"X36" VAULT	4 EA.

FIBER:	
SPLICE CASE	1 EA.
LINEAR AERIAL 288F CABLE	9,150 FT.
LINEAR UG 288F CABLE	18,667 FT.
AERIAL 288F STORAGE	2,050 FT.
UNDERGROUND 288F STORAGE	2,400 FT.
TOTAL 288F FIBER	32,267 FT.



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.



WILSONVILLE EXPANSION
WILSONVILLE, OR 97070
COVER SHEET / VICINITY MAP

DESIGN BY K & B TECHNICAL SOLUTIONS		DATE	DESCRIPTION	DESIGN DRAWN	R.P.M.
		10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.
		11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.
		02/06/23	ROUNDABOUT ROUTE REVISION	K.J.S.	R.P.M.
		03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S.	R.P.M.



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SHEET
1.0

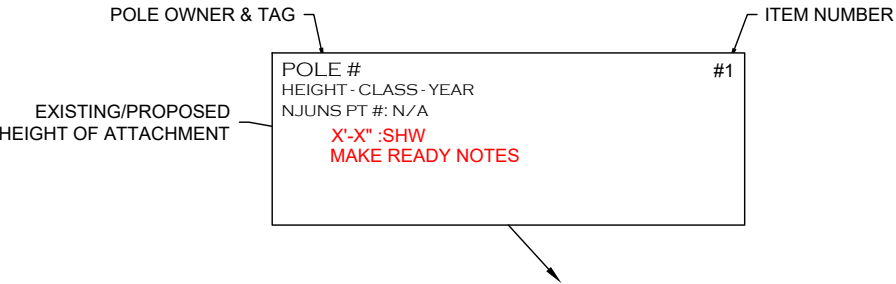
PROJECT ID
SHW-41661

LINETYPES

EXISTING STRAND	
PROPOSED STRAND	
EXISTING FIBER	
PROPOSED FIBER	
FIBER EXTENSION	
EXISTING CONDUIT	
PROPOSED CONDUIT/EMT	
EXISTING FLEX DUCT	
PROPOSED FLEX DUCT	
RIGHT-OF-WAY	
PUBLIC UTILITY EASEMENT	
EASEMENT	
PROPERTY	
CENTERLINE	
FACE OF CURB	
EDGE OF PAVEMENT	
EDGE OF CONCRETE	
EDGE OF GRAVEL	
EDGE OF SIDEWALK	
EDGE OF DRIVEWAY	
EXCAVATION LIMITS	
SEWER	
STORM	
WATER	
GAS	
POWER	
TELEPHONE	
FIBER OPTIC	
CATV	
TRAFFIC SIGNAL	
STREET LIGHT	
IRRIGATION	
UNKNOWN UTILITY	
FENCELINE	
GUARD RAIL	
TRACKS	
BUILDING FOOTPRINT	

SYMBOLS

UTILITY POLE		EXISTING SPLICE		VAULT	
EXISTING RISER		PROPOSED SPLICE		PEDESTAL	
PROPOSED RISER		EXISTING AERIAL STORAGE		MANHOLE	
EXISTING VAULT		PROPOSED AERIAL STORAGE		INLET	
PROPOSED VAULT		EXISTING VAULT/INTERIOR STORAGE		HYDRANT	
EXISTING ANCHOR & DOWNGUY		PROPOSED VAULT/INTERIOR STORAGE		METER	
PROPOSED ANCHOR & DOWNGUY				VALVE	
PROPOSED GUY TO EXISTING ANCHOR				POWER TRANSFORMER	
EXISTING S/W ANCHOR & DOWNGUY				STREET LIGHT	
PROPOSED S/W ANCHOR & DOWNGUY				TRAFFIC SIGNAL POLE	
PROPOSED GUY TO EXISTING S/W ANCHOR				SIGNAL CONTROLLER	
POLE-TO-POLE GUY				CROSS WALK SIGNAL	
WRECKOUT SPAN				RAILROAD SIGNAL	
EXISTING MIDSPAN CLAMP				TREE	
PROPOSED MIDSPAN CLAMP				CULVERT	



ABBREVIATIONS

N	NORTH	N/O	NORTH OF	AB	ABANDONED	PDRP	POWER SERVICE DROP
S	SOUTH	S/O	SOUTH OF	ANC	ANCHOR	PG	POLE/GROUNDING
E	EAST	E/O	EAST OF	BD	BUILDING	PH	POLE/HORIZONTAL CLEARANCE
W	WEST	W/O	WEST OF	BH	BUILDING/HORIZONTAL CLEARANCE	PL	POLE/LEANING
				BR	BRIDGE	PR	POLE/RISER
NE	NORTH EAST	A/F	ACROSS FROM	BV	BUILDING/VERTICAL CLEARANCE	PRI	POWER PRIMARY
SE	SOUTH EAST	C/O	CORNER OF	COFO	COMMUNICATION FIBER OPTIC	PS	POLE/STRUCTURE
NW	NORTH WEST	F/S	FIELD SIDE	COMD	COMMUNICATION DROP	P/S	PLANTER STRIP
SW	SOUTH WEST	R/O	REAR OF	COML	COMMUNICATION MAINLINE	PSSW	POWER SERVICE SUPPORT WIRE
		R/S	ROAD SIDE	COMM	COMMUNICATION MESSENGER	PV	POLE/VERTICAL CLEARANCE
N/S	NORTH SIDE			DB	DAMAGED/BROKEN	PWR	POWER
S/S	SOUTH SIDE			DG	DOWNGUY	ROW	RIGHT-OF-WAY
E/S	EAST SIDE			D/W	DRIVEWAY	RR	RAILROAD
W/S	WEST SIDE			GM	GUY MARKER	SEC	POWER SECONDARY
				GRND	GROUND ROD	SLT	POWER STREET LIGHT
				GRWR	GROUND WIRE	SOB	STAND OFF BRACKETS
				LW	LOOSE WIRE	S/W	SIDEWALK
				MH	MID-SPAN/HORIZONTAL CLEARANCE	TBH	THROUGH-BOLT HOLE
				MS	MISSING	UG	UNDERGROUND
				MV	MID-SPAN/VERTICAL CLEARANCE	VGR	VERTICAL GROUND ROD
				NB	NEW BUILD	WH	WEATHER HEAD
				NEUT	POWER NEUTRAL	XARB	CROSS-ARM BRACES
				OGUY	OVERHEAD GUY	XARF	CROSS-ARM (FIBERGLASS)
				OL	OUT OF LEAD	XARM	CROSS-ARM
				PC	POLE/CLIMBING/WORKING SPACE	XFMR	POWER TRANSFORMER
				PDLP	POWER DRIP-LOOP		

WILSONVILLE EXPANSION
SW GARDEN ACRES RD
SHERWOOD, OR 97140

LEGEND

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	R.P.M.	R.P.M.	R.P.M.	R.P.M.
DATE	DESCRIPTION	ORIGINAL ISSUE	STORAGE AND HH SIZE CHANGES	ROUND-A-BOUT ROUTE REVISION	ROUTE CHANGE TO EXISTING/I-5	
10/05/22						
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02/06/23						
03/21/23						

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SHEET

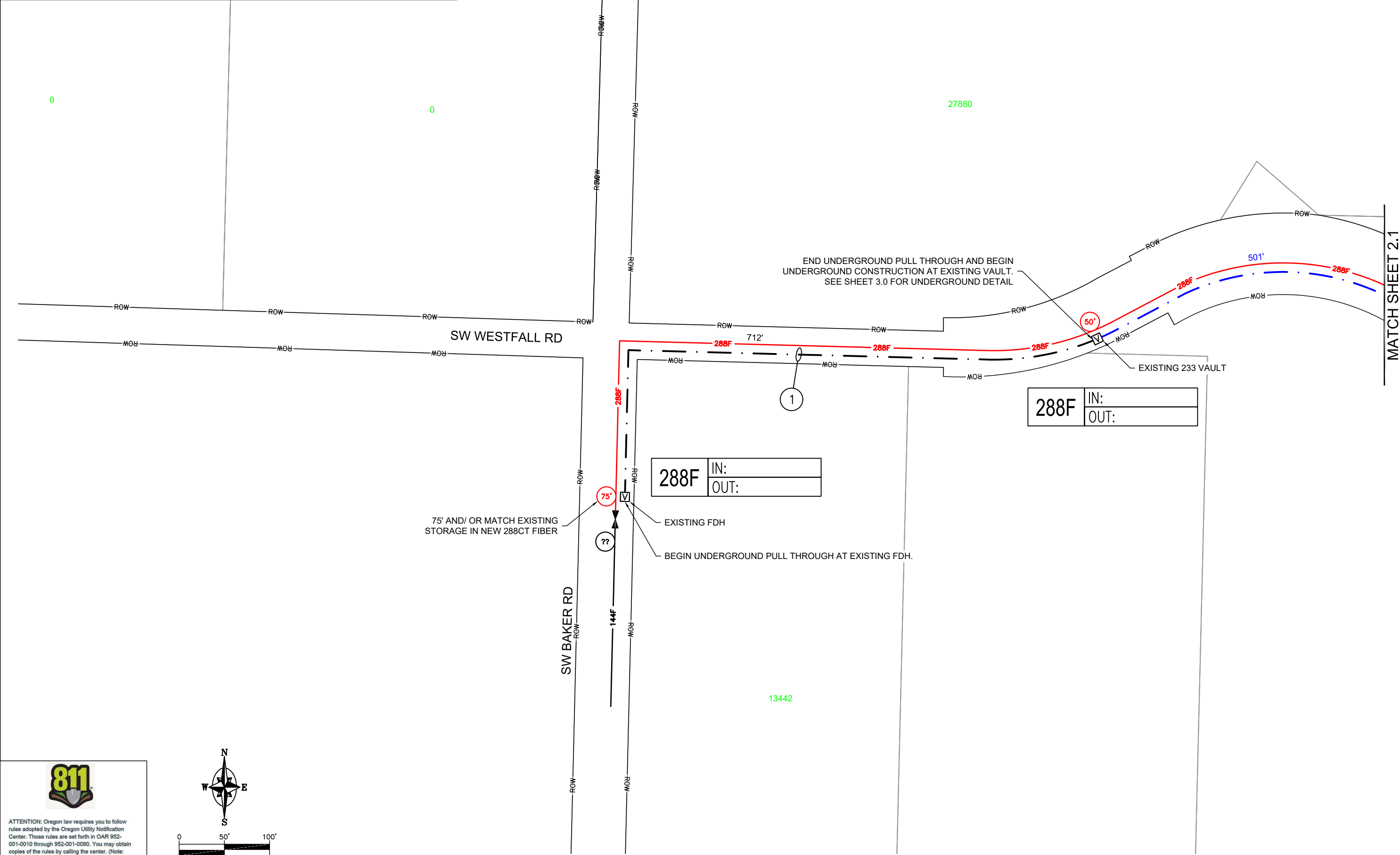
1.1

PROJECT ID
SHW-41661

CONSTRUCTION NOTES

1

BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE THROUGH EXISTING EMPTY 1.25" INNERDUCT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.



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 center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987 or 811).

SCALE: 1"=100'

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

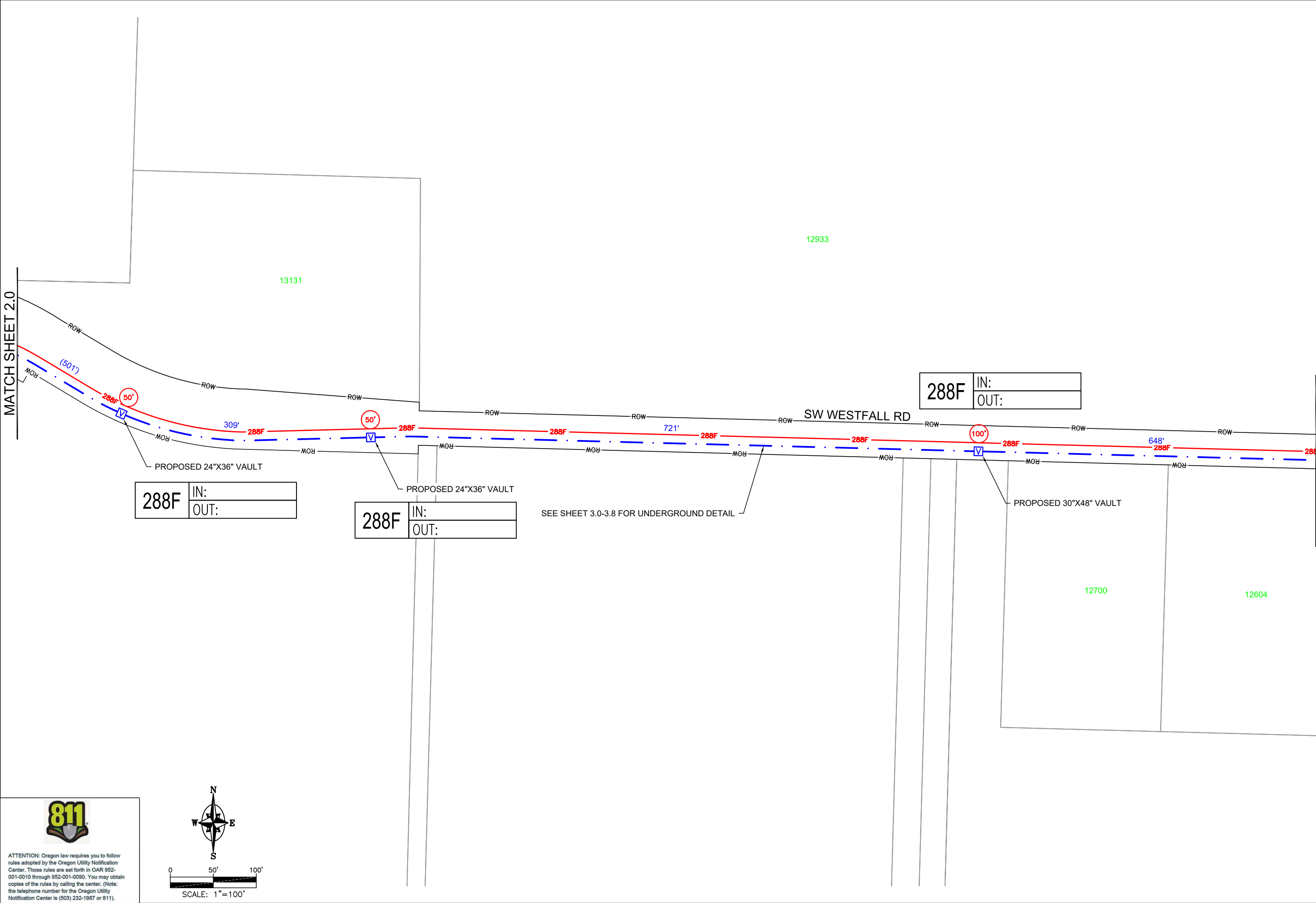
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SHEET
2.0

PROJECT ID
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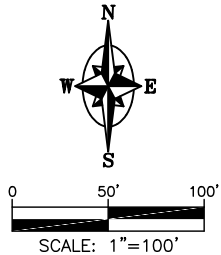


MATCH SHEET 2.0

MATCH SHEET 2.2




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SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

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DESIGN DRAWN	
K.J.S.	R.P.M.
K.J.S.	R.P.M.
K.J.S.	R.P.M.
K.J.S.	R.P.M.



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SHEET

2.1

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CONSTRUCTION NOTES

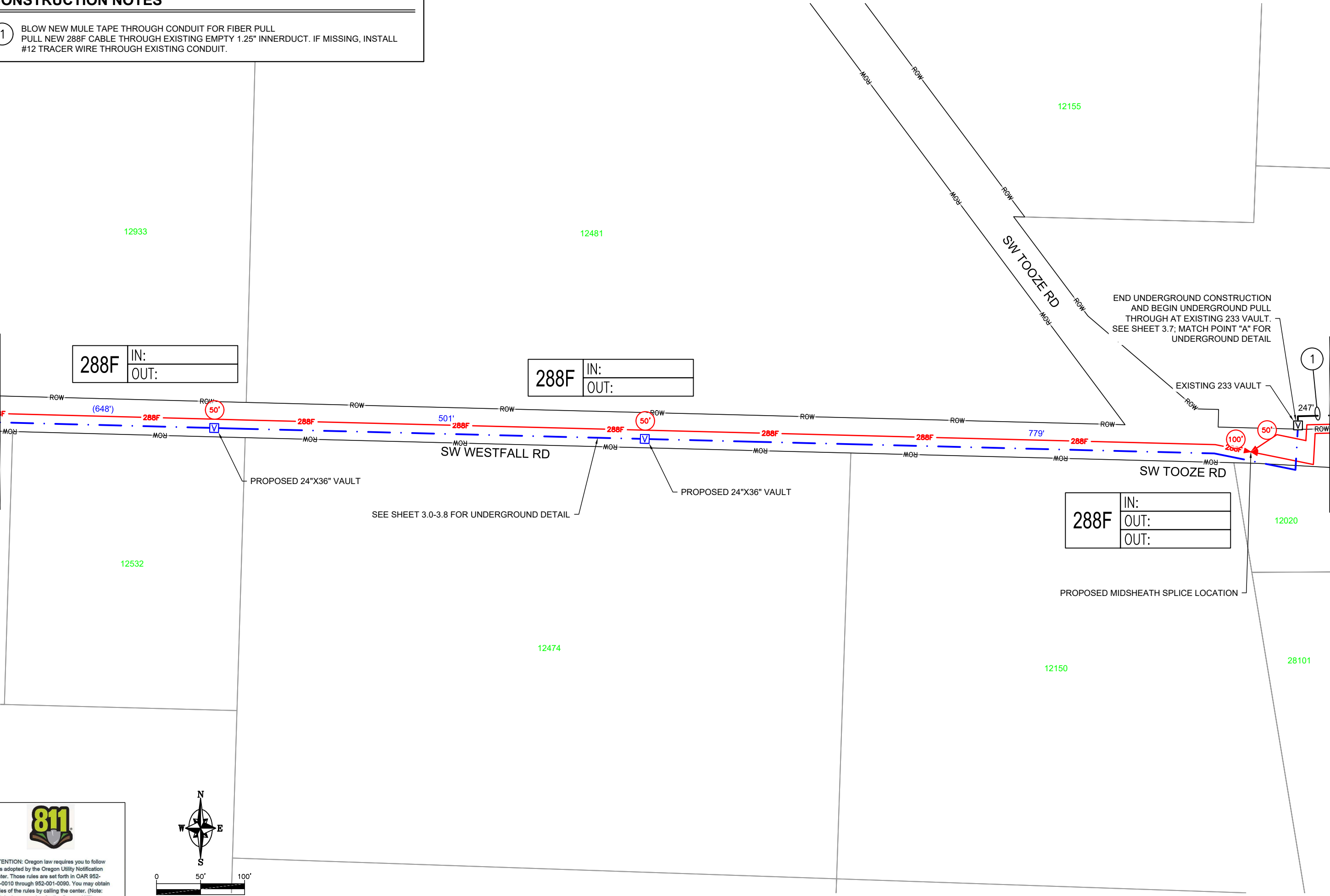
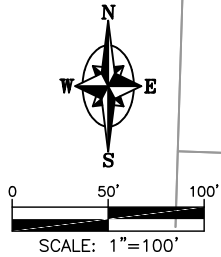
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BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE THROUGH EXISTING EMPTY 1.25" INNERDUCT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.

MATCH SHEET 2.1




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MATCH SHEET 2.3

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

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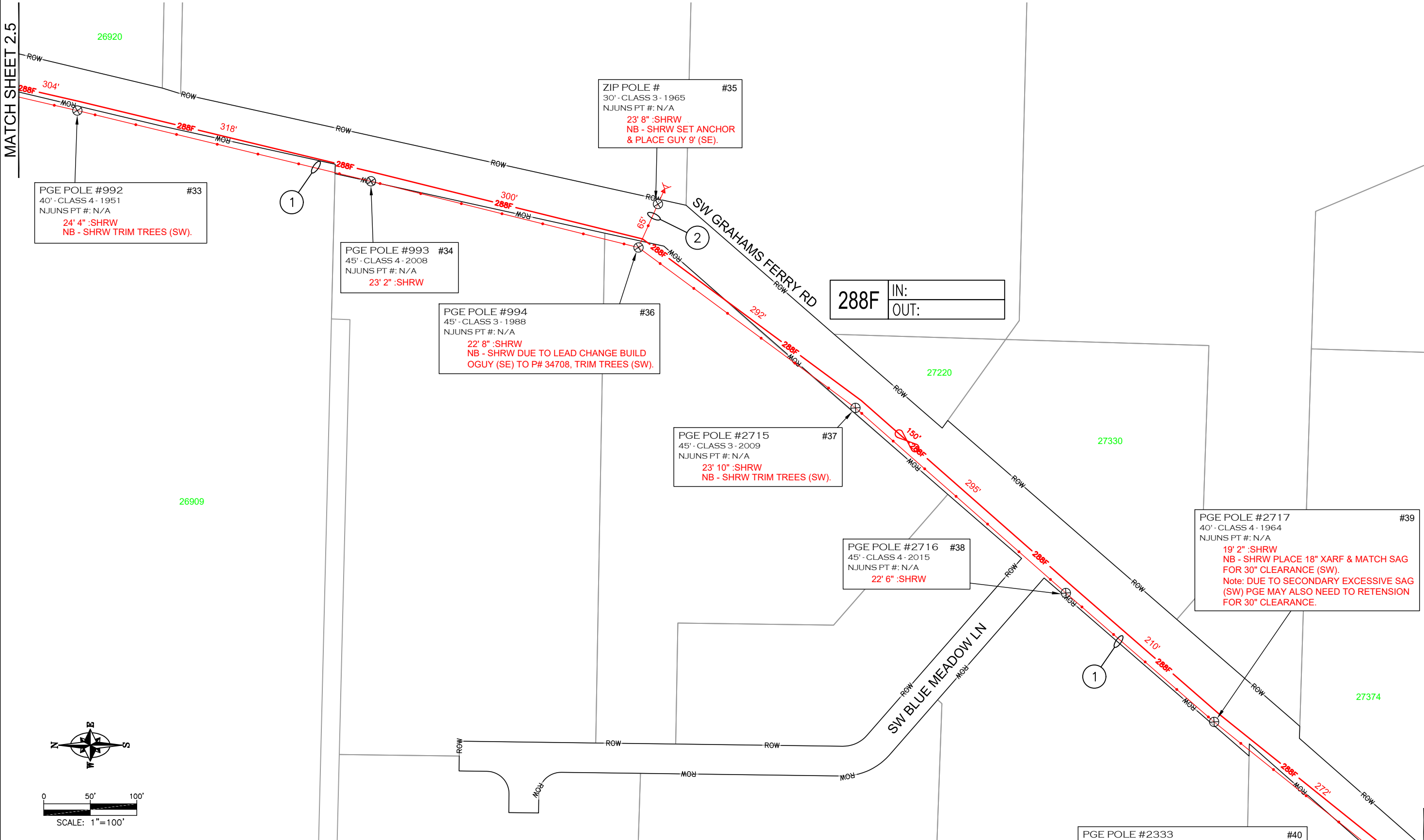

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SHEET
2.2

PROJECT ID
SHW-41661

MATCH SHEET 2.5



CONSTRUCTION NOTES

- 1 PLACE NEW 6.6M STRAND
LASH NEW FIBER CABLE TO NEW STRAND
- 2 PLACE NEW 6.6M STRAND



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WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

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DATE	DESCRIPTION	DESIGN/DRAWN	
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SHEET
2.4

PROJECT ID
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MATCH SHEET 2.3

MATCH SHEET 2.6

288F	IN:
	OUT:

26300

PGE POLE #2330 #26
40' - CLASS 3 - 1995
NJUNS PT #: N/A
21' 0" :SHRW

ZIP POLE #1711 #27
40' - CLASS 4 - 1950
NJUNS PT #: N/A
24' 4" :SHRW

PGE POLE # #28
40' - CLASS 4 - 1950
NJUNS PT #: N/A
23' 4" :SHRW
NB - SHRW DUE TO LEAD CHANGE PLACE
GUY 5' (NW) TO EXISTING PGE ANCHOR.

ZIP POLE # #29
NT - CLASS NT - NT
NJUNS PT #: N/A
23' 4" :SHRW
NB - POLE 36" OUT OF LEAD/// SHRW PLACE
36" XARF WITH THRU BOLT @ 22' 10" TO
MAINTAIN LEAD. TRIM TREES (SW).

PGE POLE #2332 #30
40' - CLASS 3 - 1959
NJUNS PT #: N/A
24' 1" :SHRW
NB - SHRW TRIM TREES (SW).

PGE POLE #990 #31
40' - CLASS 4 - 1952
NJUNS PT #: N/A
23' 6" :SHRW
NB - SHRW REQUESTS PGE REPLACE
POLE DUE TO WOODPECKER HOLE (X2).

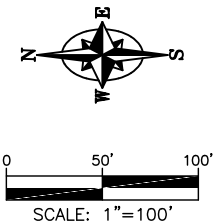
288F	IN:
	OUT:

PGE POLE #991 #32
40' - CLASS 4 - 2015
NJUNS PT #: N/A
21' 8" :SHRW

MATCH SHEET 2.4



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CONSTRUCTION NOTES

- 1 PLACE NEW 6.6M STRAND
LASH NEW FIBER CABLE TO NEW STRAND

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

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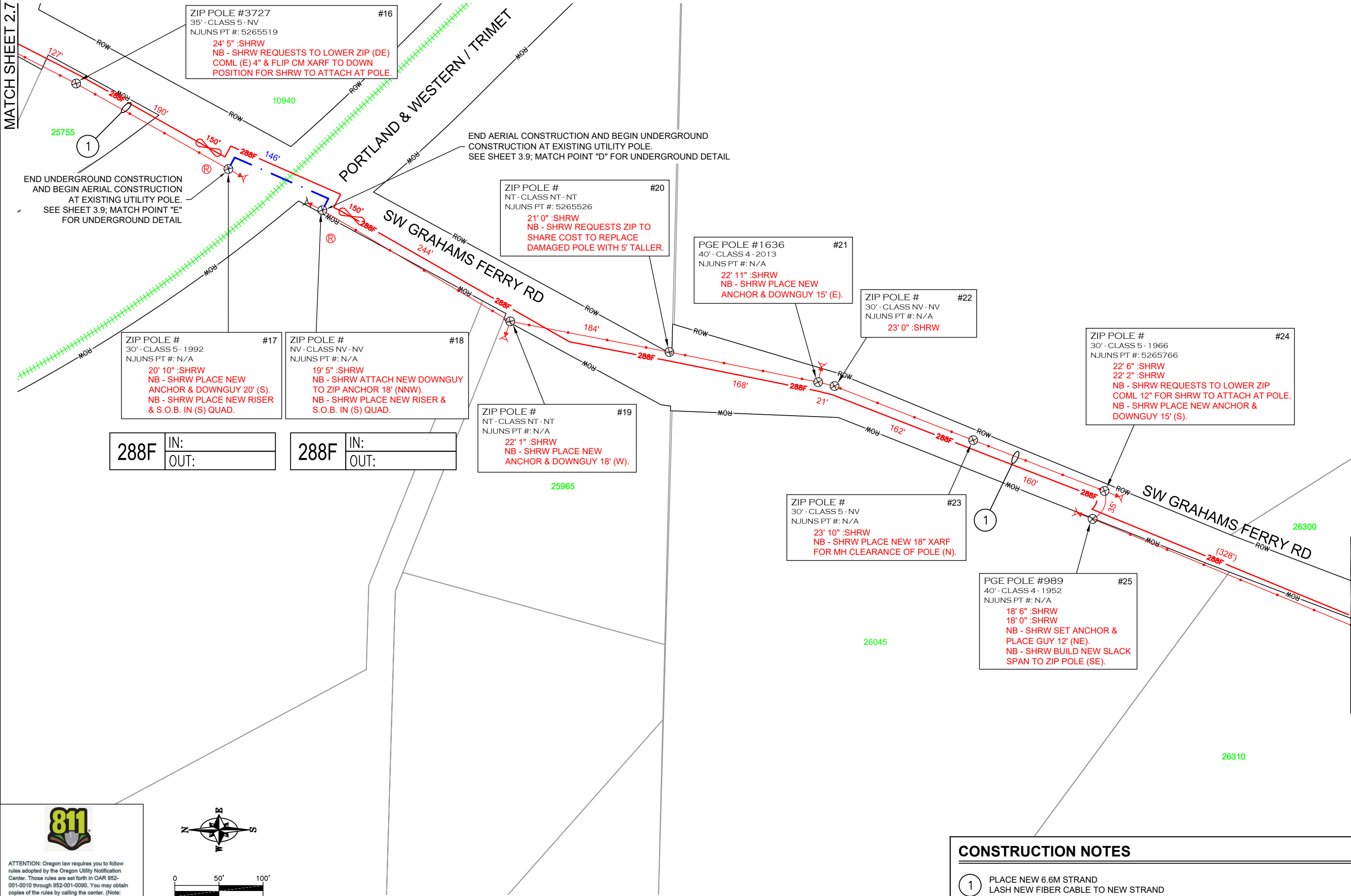



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SHEET
2.5


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MATCH SHEET 2.7





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SCALE: 1"=100'

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- 1 PLACE NEW 6.6M STRAND LASH NEW FIBER CABLE TO NEW STRAND

MATCH SHEET 2.5

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CABLE PLAN

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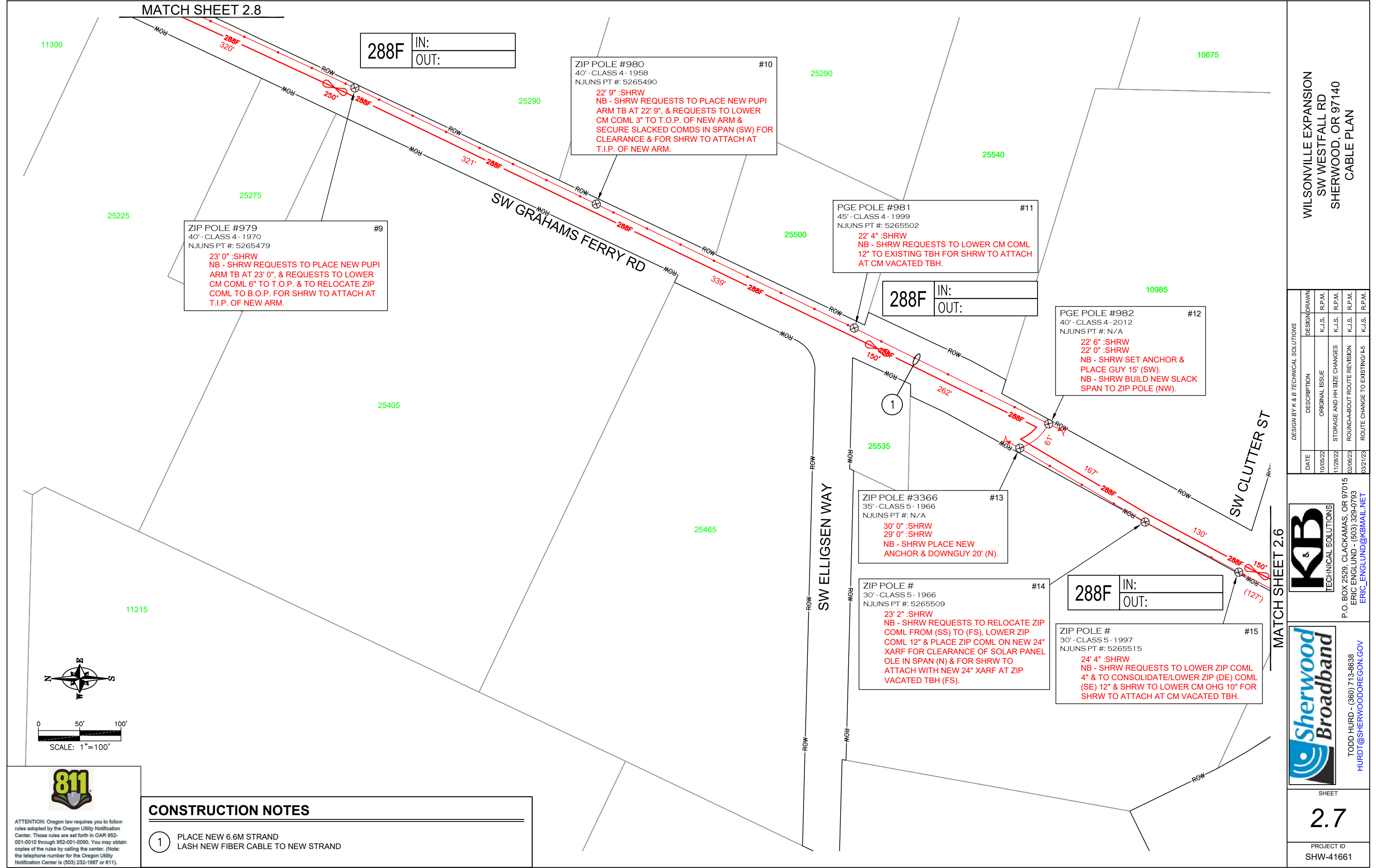
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SHEET
2.6

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CABLE PLAN

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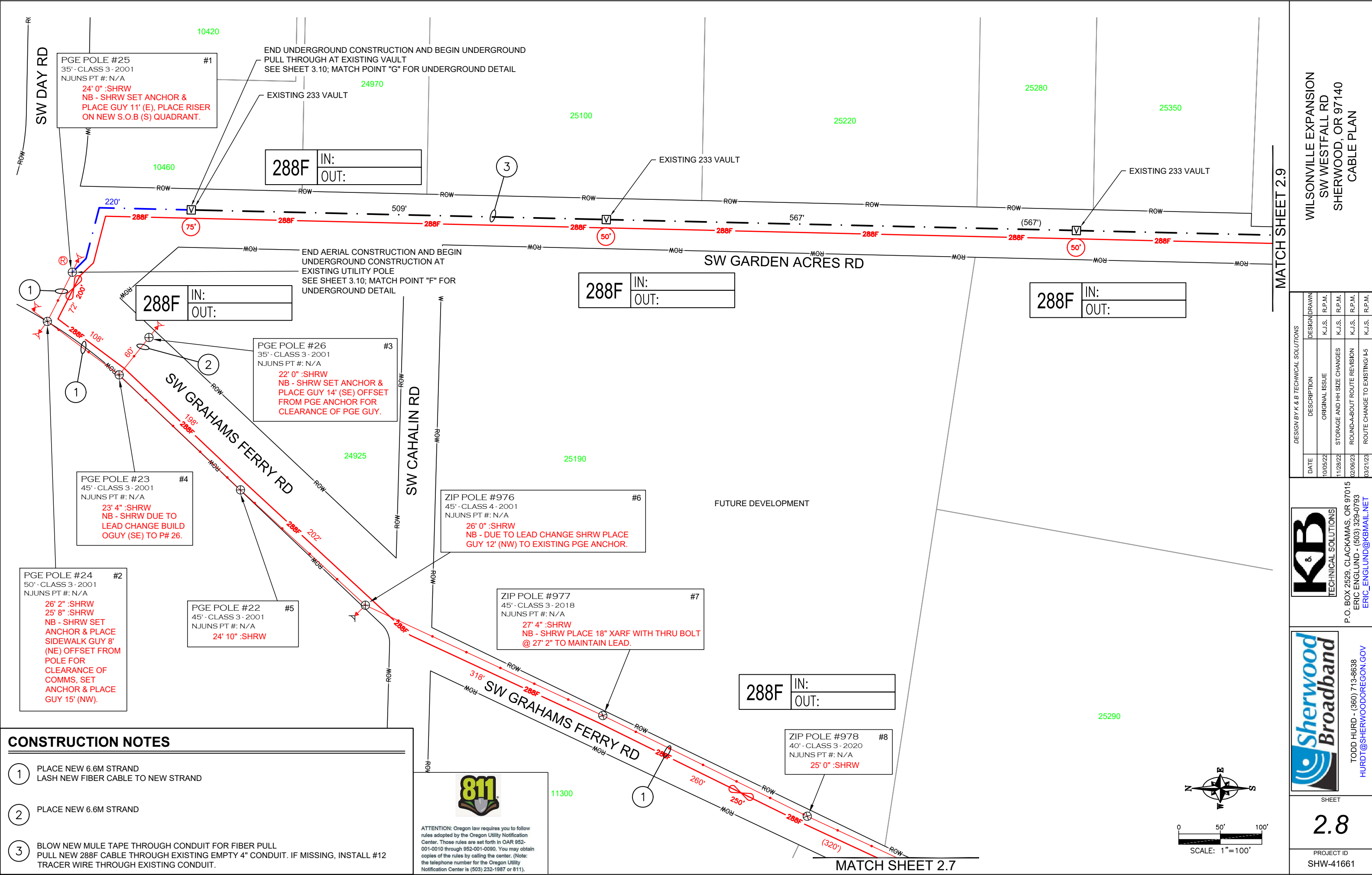
SHEET
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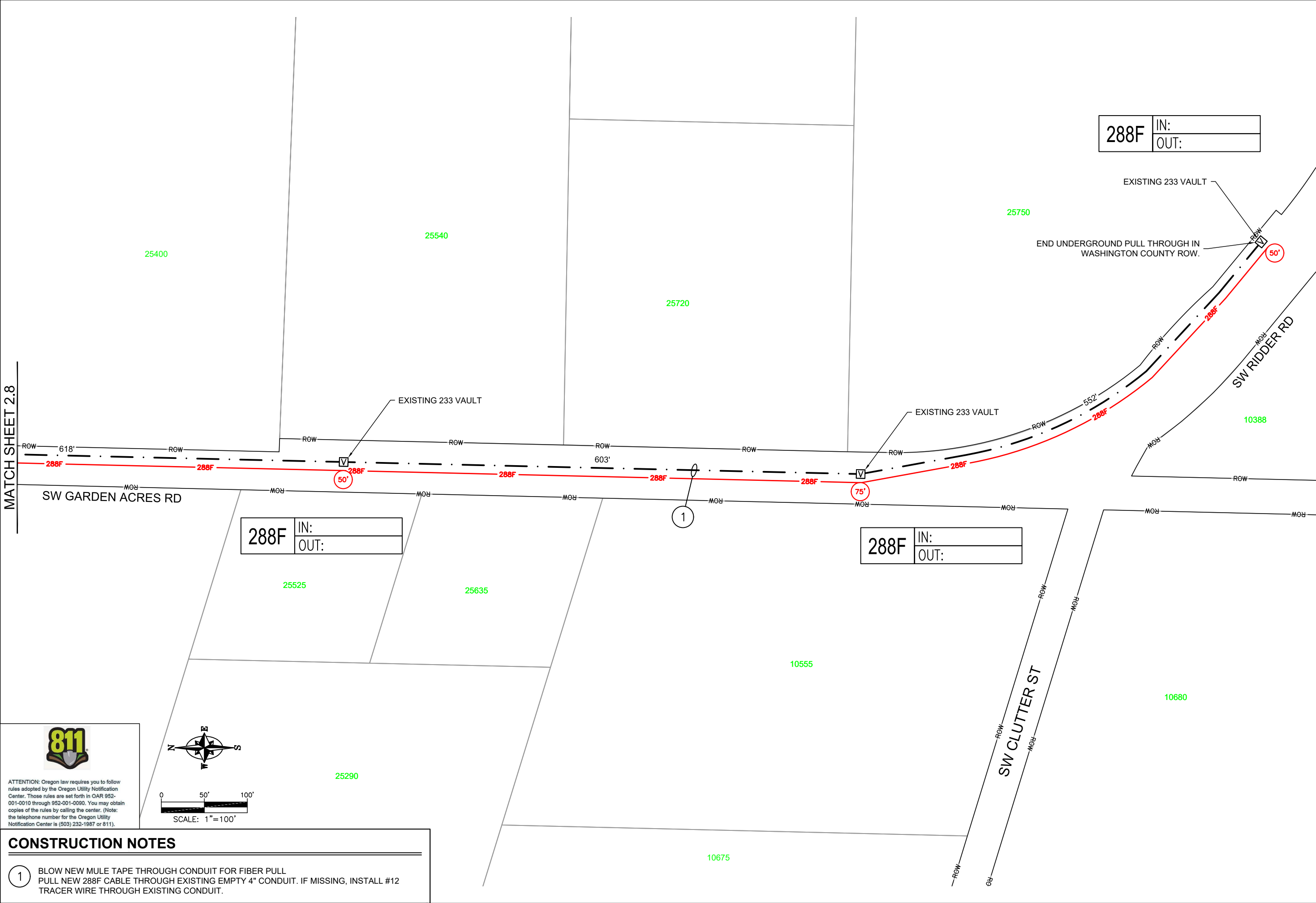
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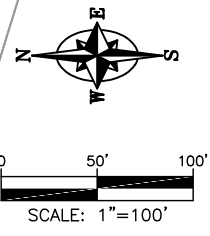
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MATCH SHEET 2.8



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 952-001-0080. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987 or 811).



CONSTRUCTION NOTES

- 1
- BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE THROUGH EXISTING EMPTY 4" CONDUIT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.

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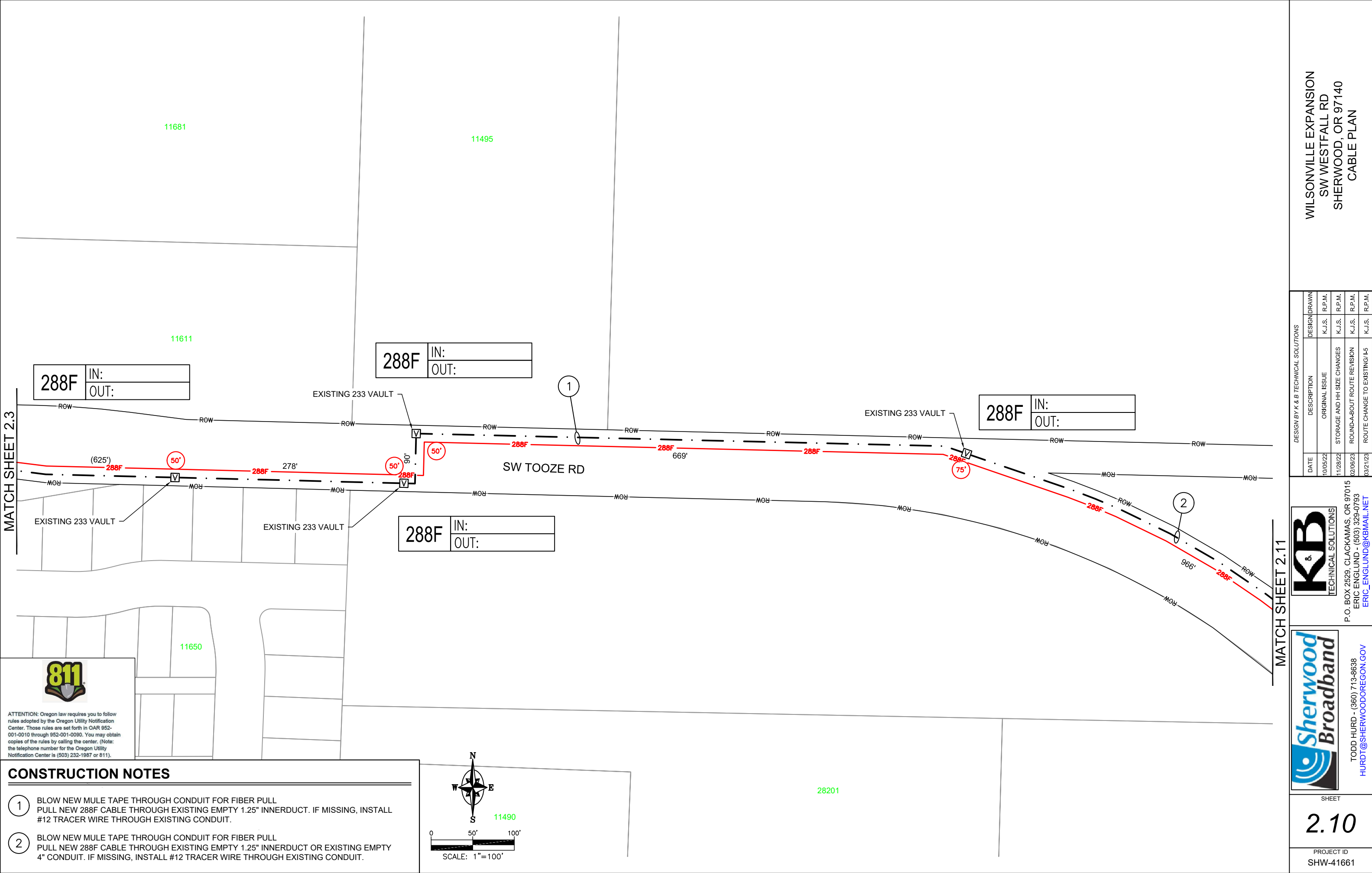
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SHEET

2.9

PROJECT ID
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MATCH SHEET 2.3

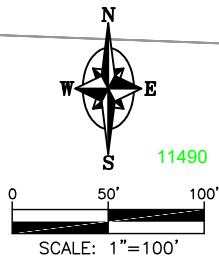
MATCH SHEET 2.11



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 center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987 or 811).

CONSTRUCTION NOTES

- 1 BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE THROUGH EXISTING EMPTY 1.25" INNERDUCT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.
- 2 BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE THROUGH EXISTING EMPTY 1.25" INNERDUCT OR EXISTING EMPTY 4" CONDUIT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.



WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN DRAWN	
10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S.	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING/1-5	K.J.S.	R.P.M.



P.O. BOX 2529, CLACKAMAS, OR 97015
ERIC ENGLUND - (503) 329-0793
ERIC_ENGLUND@KBMAIL.NET



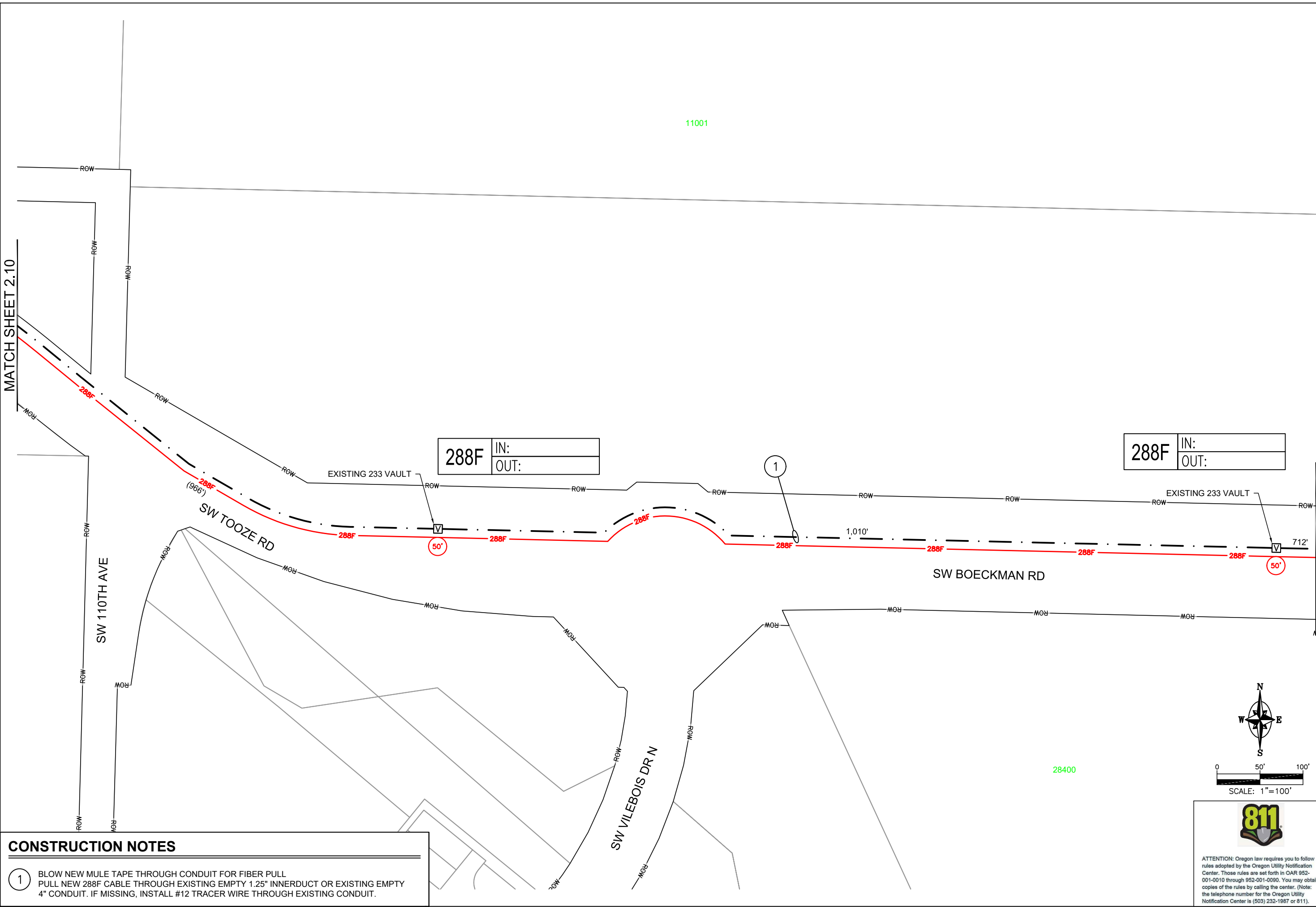
TODD HURD - (360) 713-8638
HURDT@SHERWOODOREGON.GOV

SHEET

2.10

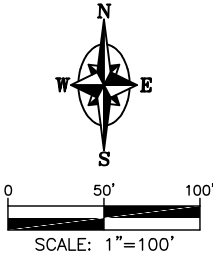
PROJECT ID
SHW-41661

MATCH SHEET 2.10



CONSTRUCTION NOTES

- 1 BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL.
PULL NEW 288F CABLE THROUGH EXISTING EMPTY 1.25" INNERDUCT OR EXISTING EMPTY 4" CONDUIT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.



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 center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987 or 811).

MATCH SHEET 2.12

DESIGN BY K & B TECHNICAL SOLUTIONS				
DATE	DESCRIPTION	DESIGN DRAWN	R.P.M.	R.P.M.
10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.	R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S.	R.P.M.	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S.	R.P.M.	R.P.M.



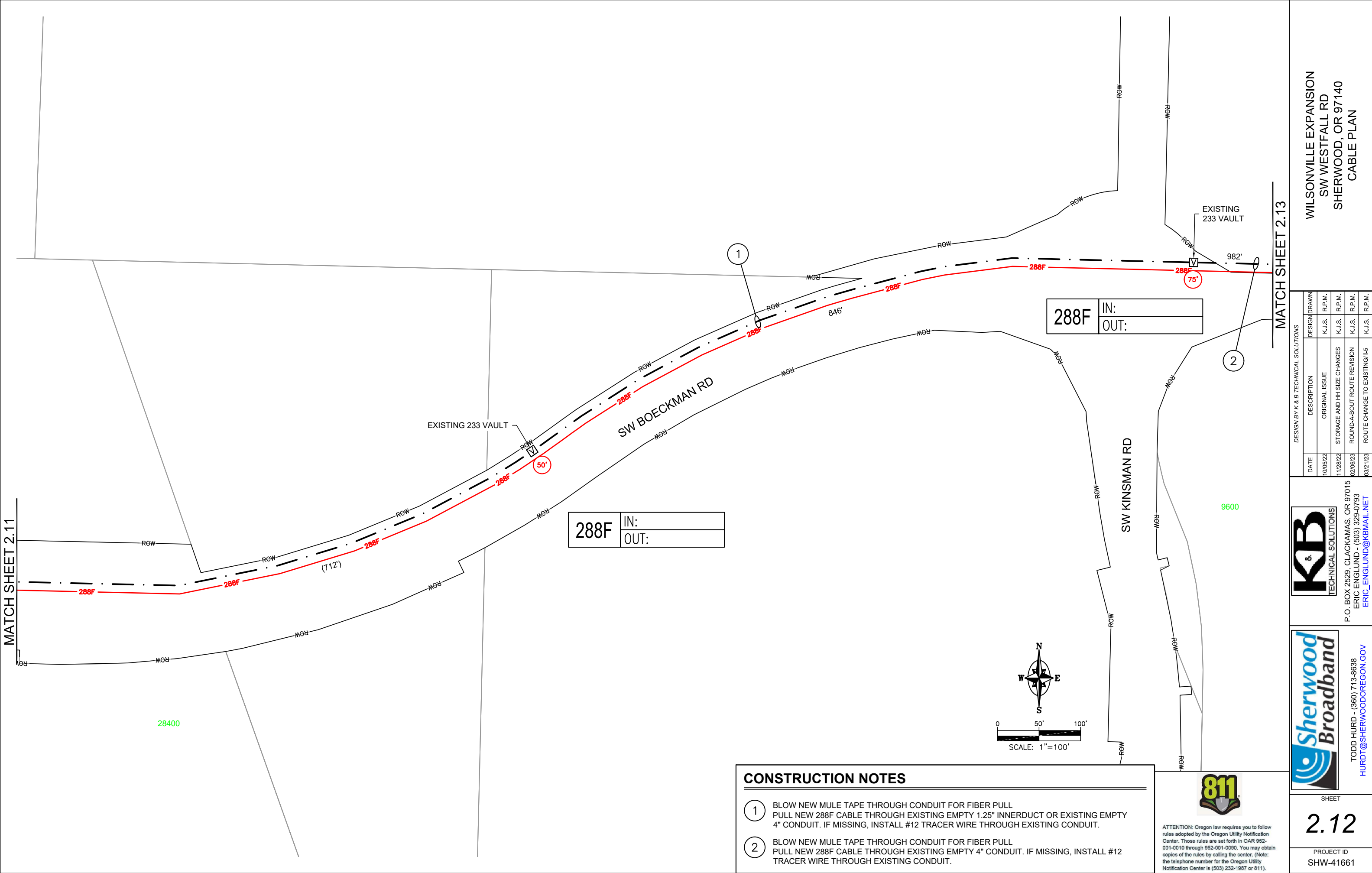
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WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

SHEET
2.11
PROJECT ID
SHW-41661



CONSTRUCTION NOTES

1

BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL.
PULL NEW 288F CABLE THROUGH EXISTING EMPTY 1.25" INNERDUCT OR EXISTING EMPTY 4" CONDUIT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.

2

BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL.
PULL NEW 288F CABLE THROUGH EXISTING EMPTY 4" CONDUIT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.

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WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	
DATE	DESCRIPTION	ORIGINAL ISSUE	STORAGE AND HH SIZE CHANGES
10/05/22		K.J.S.	K.J.S.
11/28/22		K.J.S.	K.J.S.
02/06/23		K.J.S.	K.J.S.
03/21/23		K.J.S.	K.J.S.

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SHEET

2.12

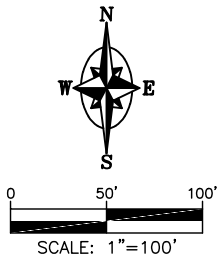
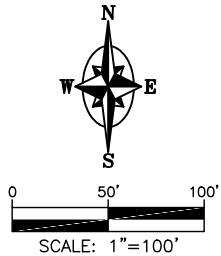
PROJECT ID
SHW-41661

MATCH SHEET 2.12

MATCH SHEET 2.14

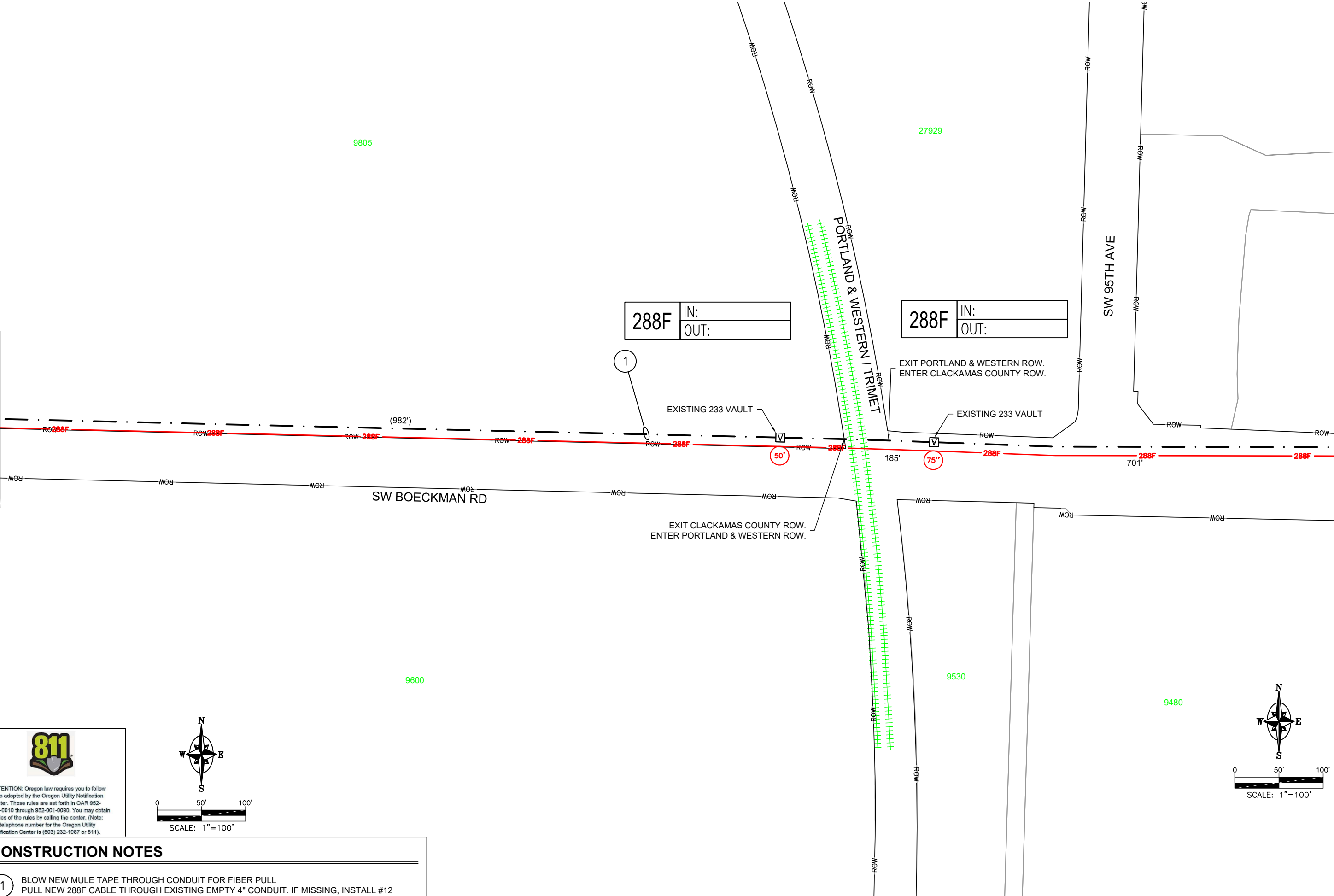


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CONSTRUCTION NOTES

- 1 BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE THROUGH EXISTING EMPTY 4" CONDUIT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.



DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	
DATE	DESCRIPTION	ORIGINAL ISSUE	STORAGE AND HH SIZE CHANGES
10/05/22		K.J.S.	K.J.S.
11/28/22		K.J.S.	K.J.S.
02/06/23		K.J.S.	K.J.S.
03/21/23		K.J.S.	K.J.S.



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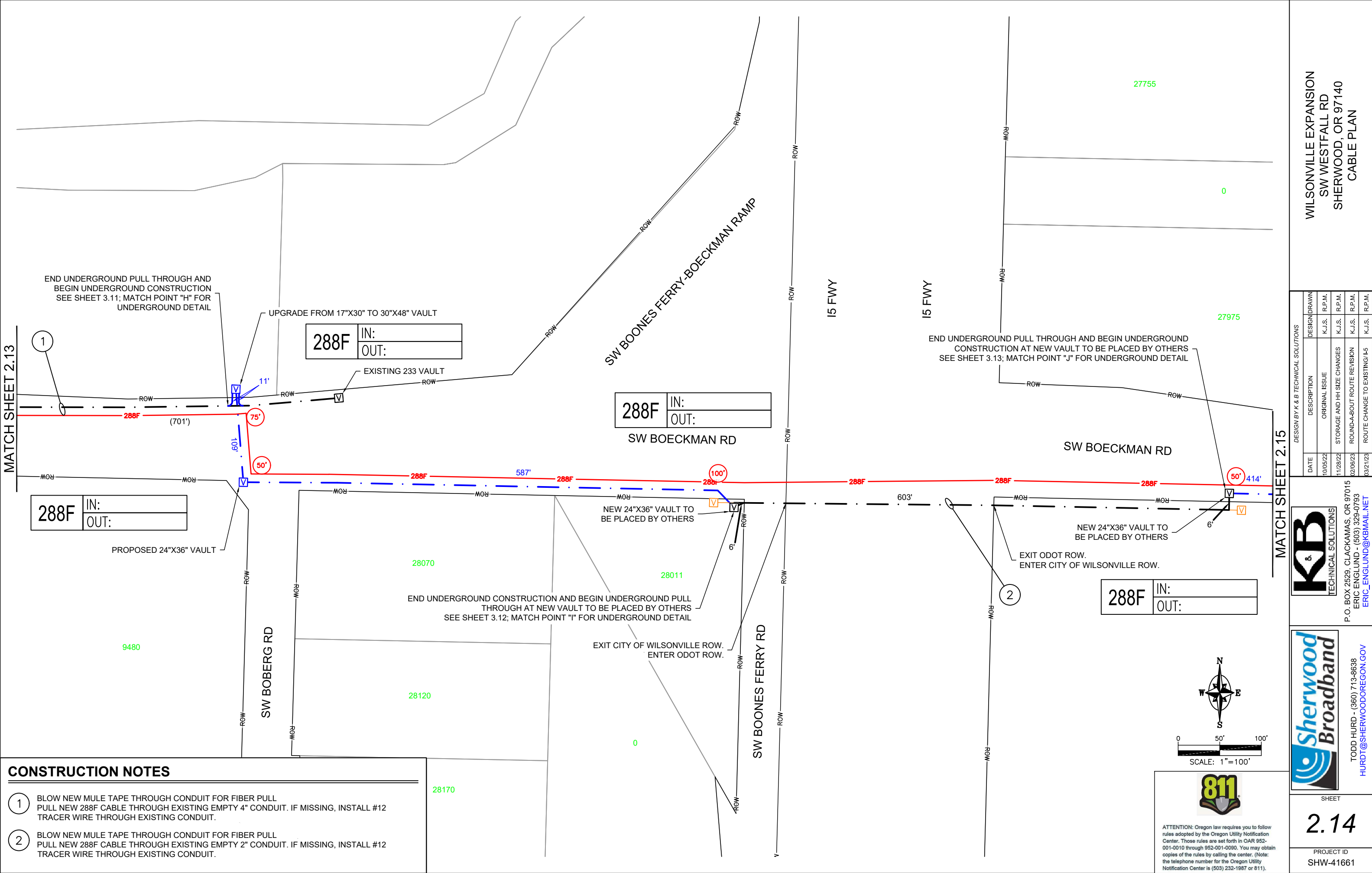
TODD HURD - (360) 713-8638
HURDT@SHERWOODOREGON.GOV

SHEET

2.13

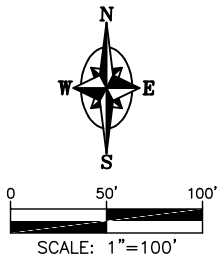
PROJECT ID
SHW-41661

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN



CONSTRUCTION NOTES

- 1 BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL. PULL NEW 288F CABLE THROUGH EXISTING EMPTY 4" CONDUIT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.
- 2 BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL. PULL NEW 288F CABLE THROUGH EXISTING EMPTY 2" CONDUIT. IF MISSING, INSTALL #12 TRACER WIRE THROUGH EXISTING CONDUIT.



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WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

DATE	DESCRIPTION	DESIGN/DRAWN	
		ORIGINAL ISSUE	STORAGE AND HH SIZE CHANGES
10/05/22		K.J.S.	K.J.S.
11/28/22		K.J.S.	K.J.S.
02/06/23		K.J.S.	K.J.S.
03/21/23		K.J.S.	K.J.S.



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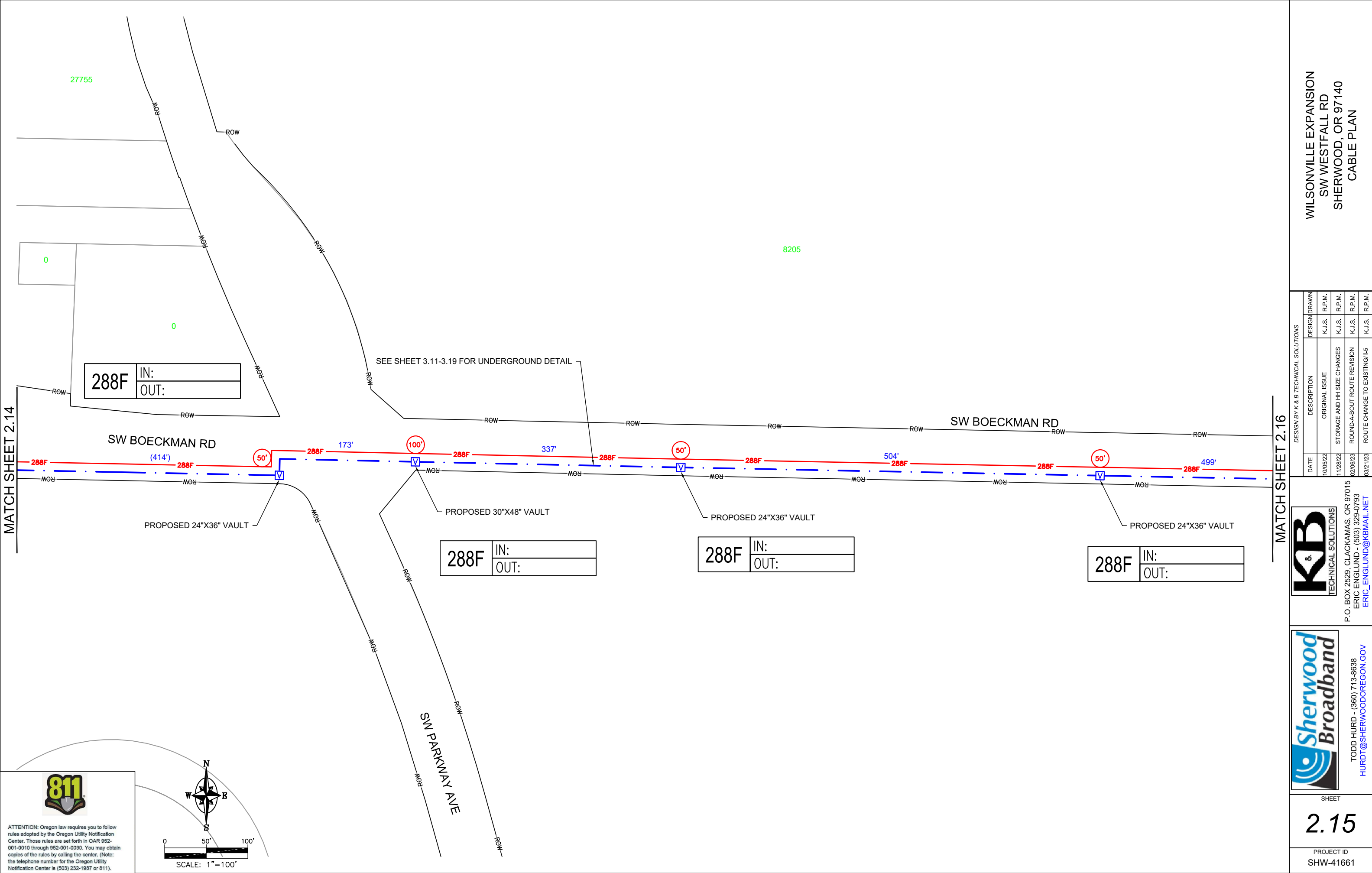


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SHEET

2.14

PROJECT ID
SHW-41661

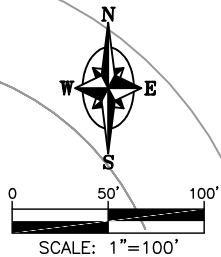


MATCH SHEET 2.14

MATCH SHEET 2.16



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 center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987 or 811).




WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	
DATE	DESCRIPTION	K.J.S.	R.P.M.
10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S.	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S.	R.P.M.



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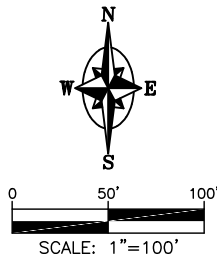
SHEET
2.15

PROJECT ID
SHW-41661

MATCH SHEET 2.15

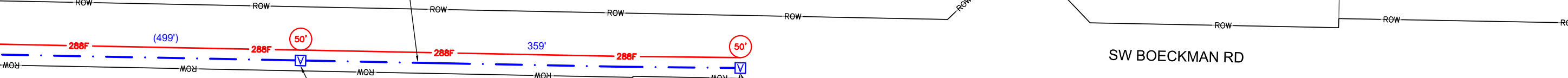


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SEE SHEET 3.11-3.18 FOR UNDERGROUND DETAIL

SW BOECKMAN RD



288F	IN:
	OUT:

288F	IN:
	OUT:

END UNDERGROUND CONSTRUCTION IN
CITY OF WILSONVILLE ROW.
SEE SHEET 3.18 FOR UNDERGROUND DETAIL

PROPOSED 30"X48" VAULT

PROPOSED 24"X36" VAULT

SW CANYON CREEK RD

SW BOECKMAN RD

CANYON CREEK RD S

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CABLE PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS				
DATE	DESCRIPTION	DESIGN DRAWN	R.P.M.	R.P.M.
10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.	R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S.	R.P.M.	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S.	R.P.M.	R.P.M.



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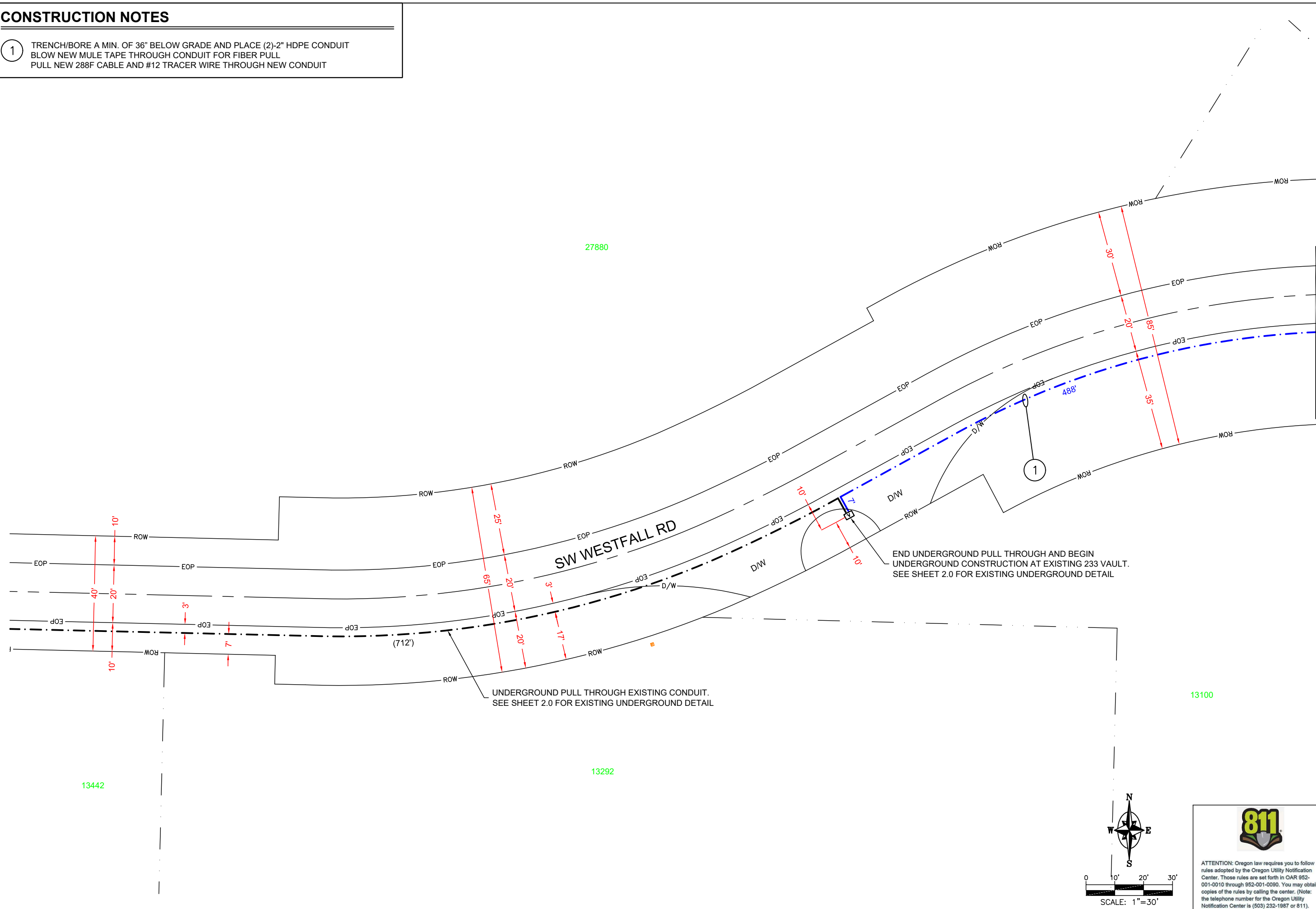
SHEET

2.16

PROJECT ID
SHW-41661

CONSTRUCTION NOTES

- 1
- TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT



MATCH SHEET 3.1

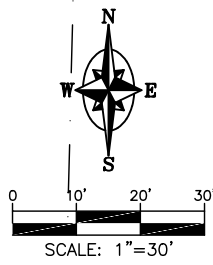
DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	
DATE	DESCRIPTION	ORIGINAL ISSUE	STORAGE AND HH SIZE CHANGES
10/05/22		K.J.S.	K.J.S.
11/28/22		K.J.S.	K.J.S.
02/06/23		K.J.S.	K.J.S.
03/21/23		K.J.S.	K.J.S.



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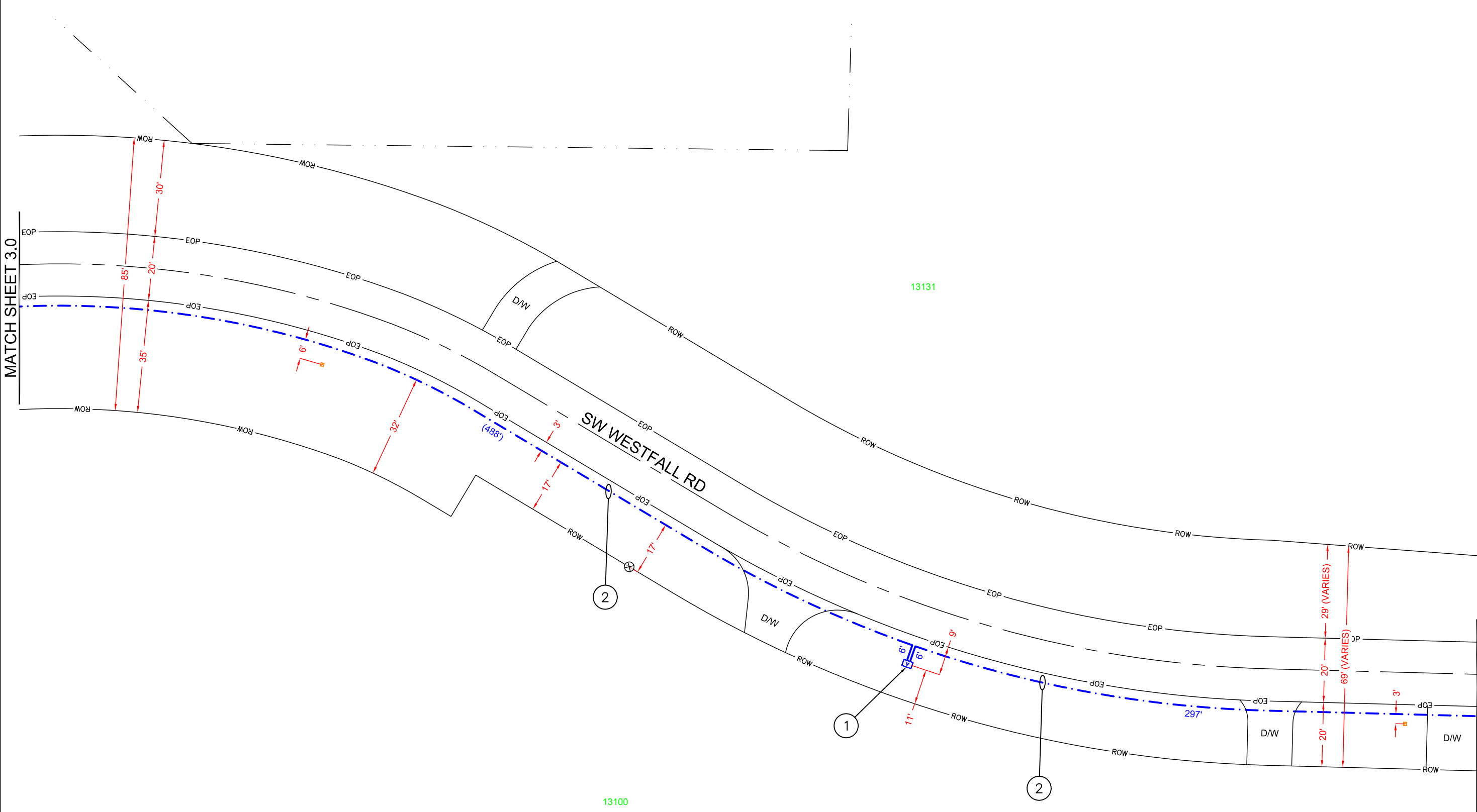
ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987 or 811).

SHEET

3.0

PROJECT ID
SHW-41661

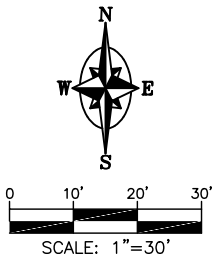
WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN



- CONSTRUCTION NOTES
- 1

PL NEW 24X36X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT
- 2

TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT



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 center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987 or 811).

MATCH SHEET 3.2



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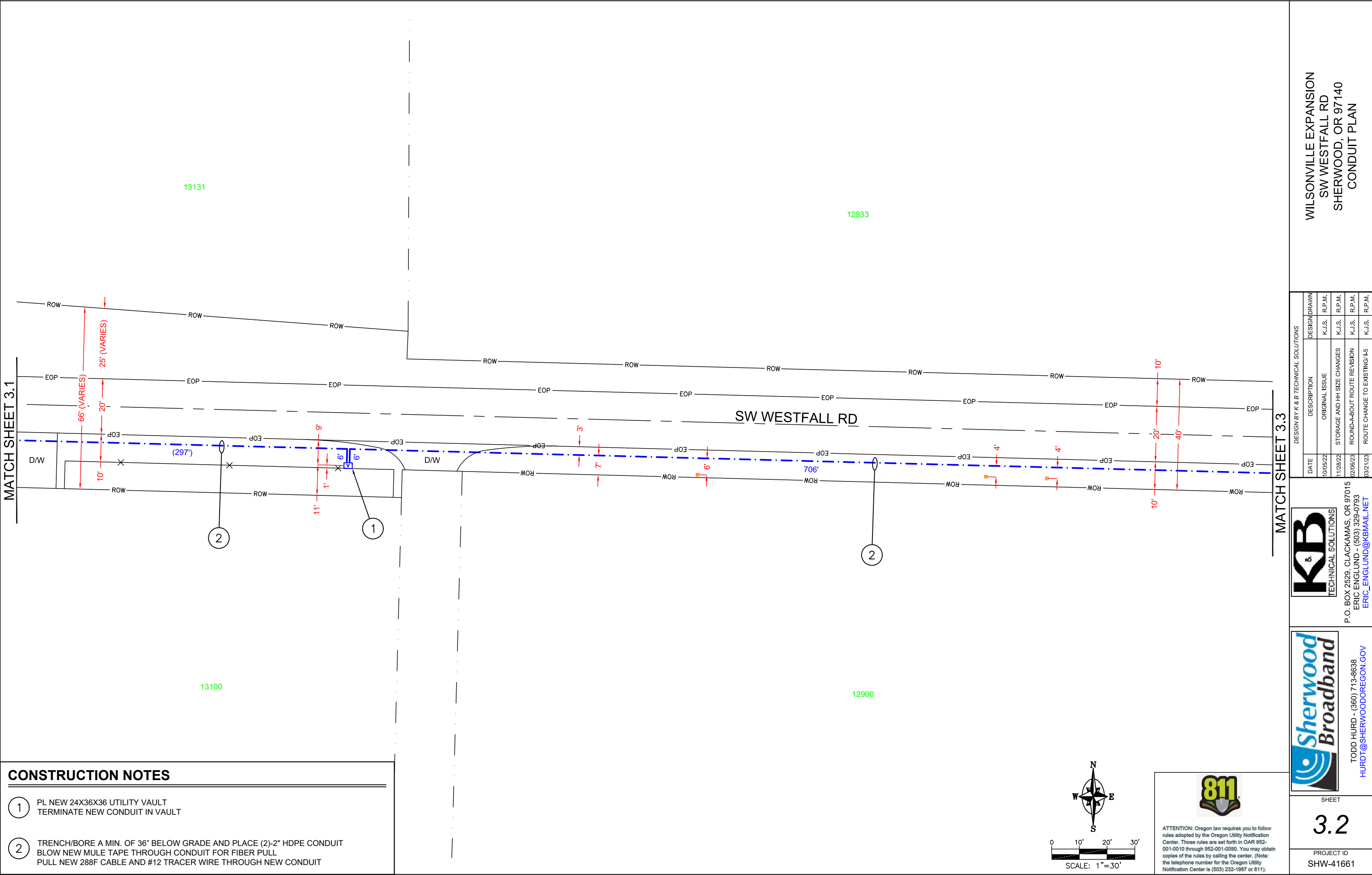
P.O. BOX 2529, CLACKAMAS, OR 97015
ERIC ENGLUND - (503) 329-0793
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DESIGN BY K & B TECHNICAL SOLUTIONS				
DATE	DESCRIPTION	DESIGN/DRAWN		
10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.	R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S.	R.P.M.	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S.	R.P.M.	R.P.M.

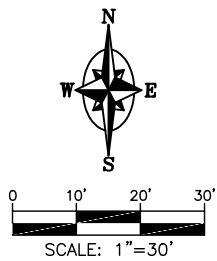
WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN

SHEET
3.1

PROJECT ID
SHW-41661



- ### CONSTRUCTION NOTES
- 1 PL NEW 24X36X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT
 - 2 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT



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DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN DRAWN	
10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S.	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S.	R.P.M.

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN

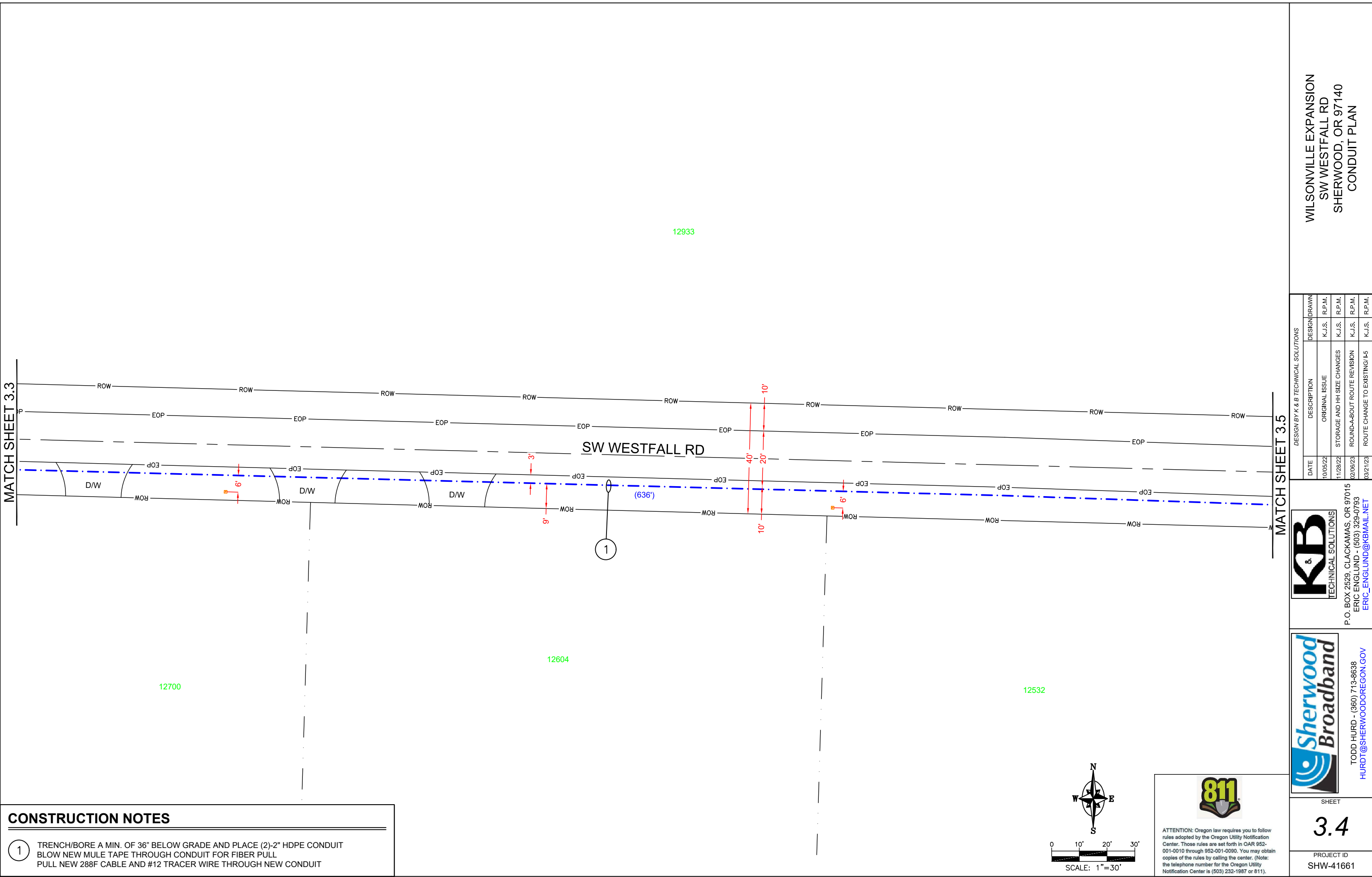
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3.2

PROJECT ID
SHW-41661

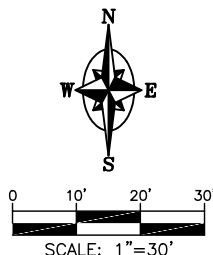
MATCH SHEET 3.3

MATCH SHEET 3.5



CONSTRUCTION NOTES

1 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
 BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
 PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT



811

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 center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987 or 811).

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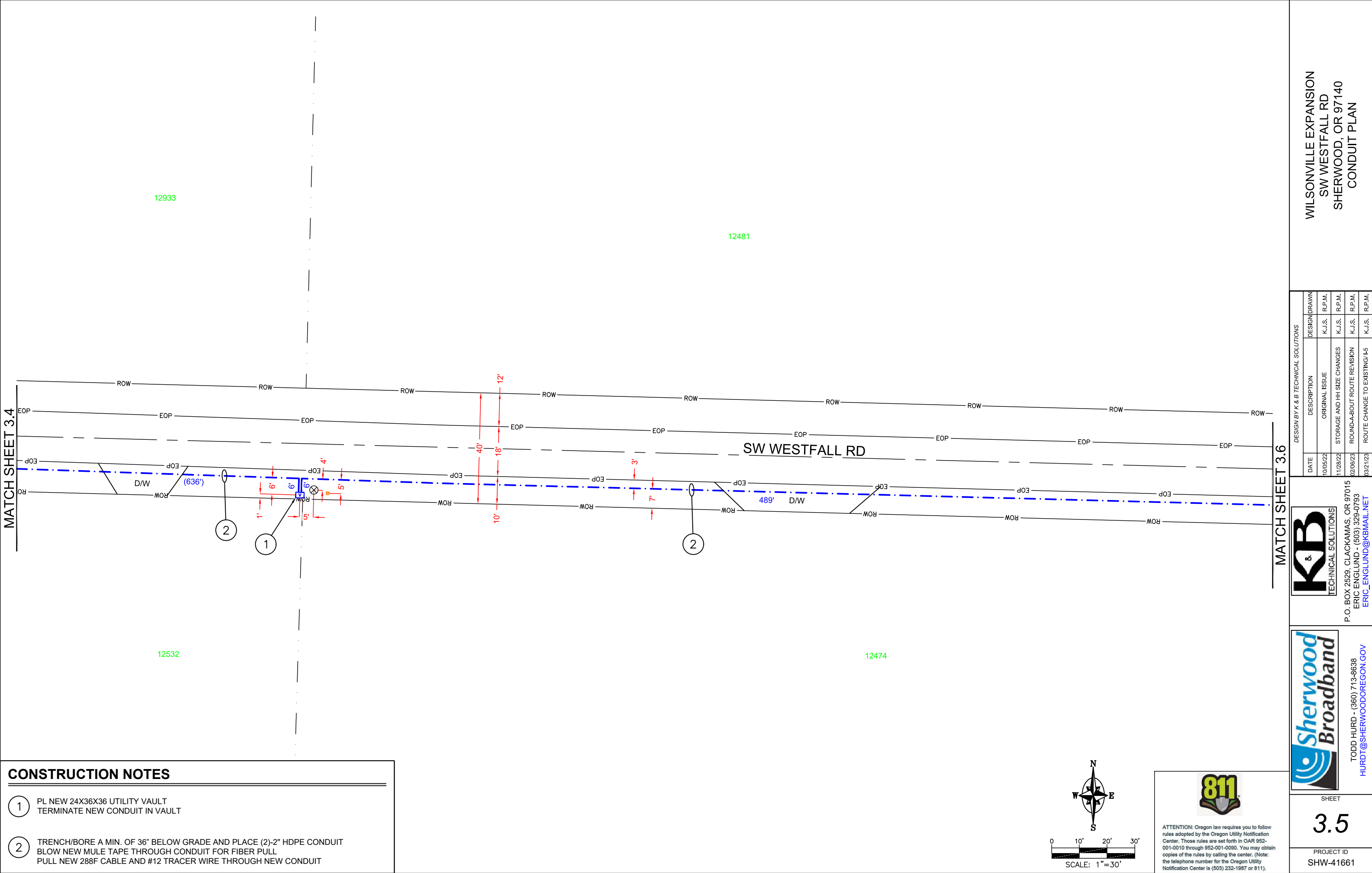
TODD HURD - (360) 713-8638
HURDT@SHERWOODOREGON.GOV

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN
DATE	DESCRIPTION	K.J.S. R.P.M.
10/05/22	ORIGINAL ISSUE	K.J.S. R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S. R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S. R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S. R.P.M.

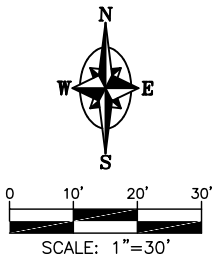
WILSONVILLE EXPANSION
 SW WESTFALL RD
 SHERWOOD, OR 97140
 CONDUIT PLAN

SHEET
3.4

PROJECT ID
 SHW-41661



- CONSTRUCTION NOTES**
- 1 PL NEW 24X36X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT
- 2 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT



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WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	
DATE	DESCRIPTION	K.J.S.	R.P.M.
10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S.	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S.	R.P.M.

K & B
TECHNICAL SOLUTIONS

P.O. BOX 2529, CLACKAMAS, OR 97015
ERIC ENGLUND - (503) 329-0793
ERIC_ENGLUND@KBMAIL.NET

Sherwood
Broadband

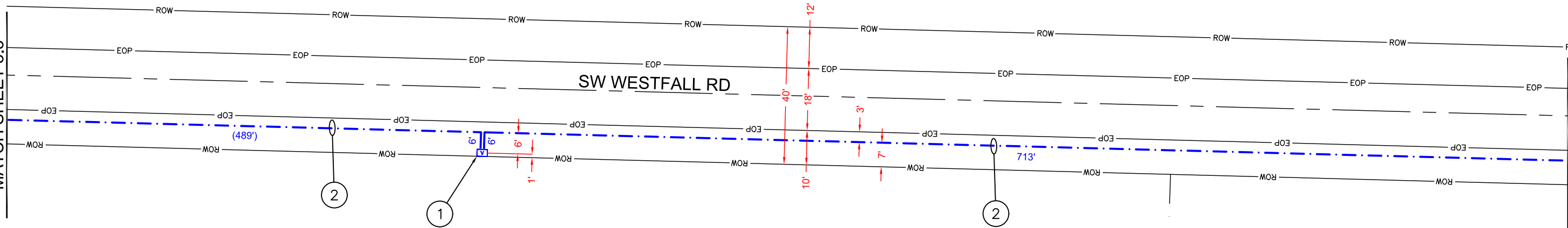
TODD HURD - (360) 713-8638
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SHEET

3.5

PROJECT ID
SHW-41661

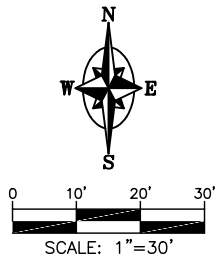
MATCH SHEET 3.5



MATCH SHEET 3.7

CONSTRUCTION NOTES

- 1 PL NEW 24X36X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT
- 2 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT



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 center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987 or 811).



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ERIC_ENGLUND@KBMAIL.NET



TODD HURD - (360) 713-8638
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SHEET

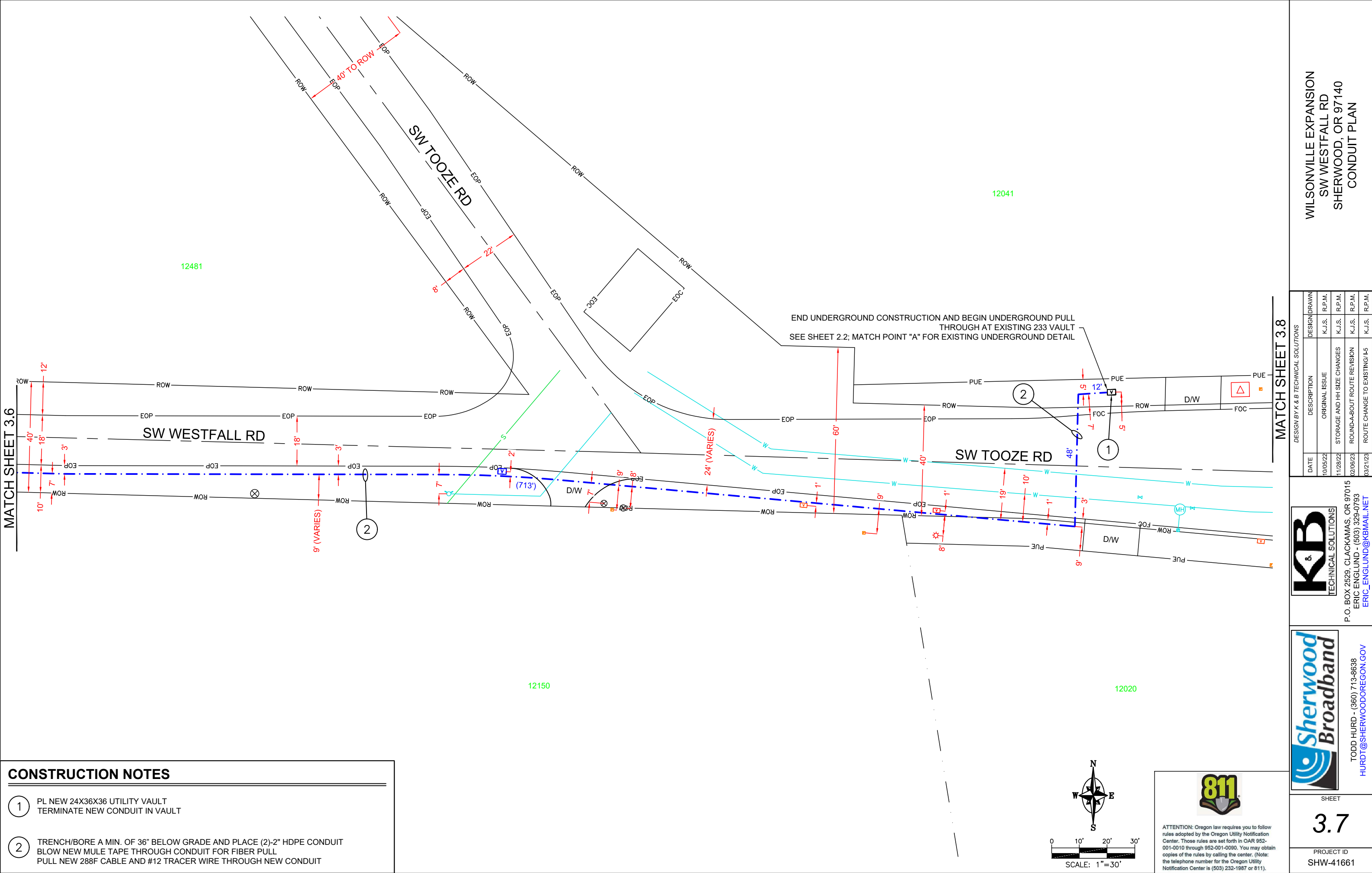
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PROJECT ID
SHW-41661

DESIGN BY K & B TECHNICAL SOLUTIONS

DATE	DESCRIPTION	DESIGN DRAWN
10/05/22	ORIGINAL ISSUE	K.J.S. R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S. R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S. R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S. R.P.M.

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN



CONSTRUCTION NOTES

1

PL NEW 24X36X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT

2

TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	
DATE	DESCRIPTION	ORIGINAL ISSUE	STORAGE AND HH SIZE CHANGES
10/05/22		K.J.S.	K.J.S.
11/28/22		K.J.S.	K.J.S.
02/06/23		K.J.S.	K.J.S.
03/21/23		K.J.S.	K.J.S.

P.O. BOX 2529, CLACKAMAS, OR 97015
ERIC ENGLUND - (503) 329-0793
ERIC_ENGLUND@KBMAIL.NET

TODD HURD - (360) 713-8638
HURDT@SHERWOODOREGON.GOV

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SHEET

3.7

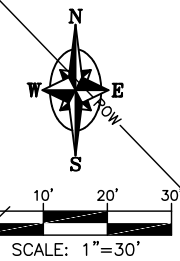
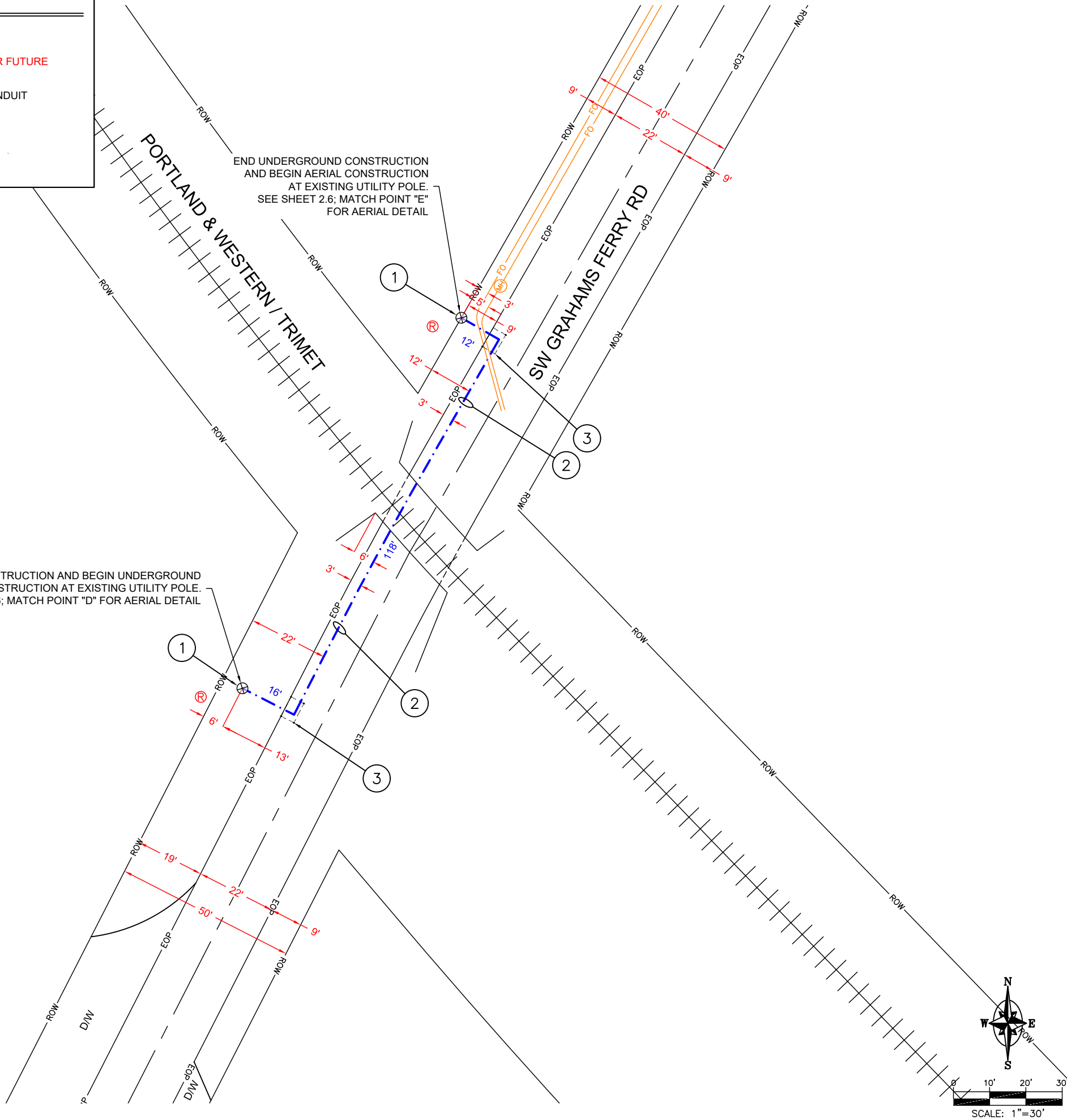
PROJECT ID
SHW-41661

CONSTRUCTION NOTES

- 1
- PLACE NEW (2)-2" SCH-40 PVC 90°BEND AT BASE OF POLE
PLACE NEW (1)-2" SCH-40 PVC RISER ON STUB AT BASE OF POLE
NOTE - (1)-2" SCH-40 PVC 90°BEND TO BE CAPPED AT BASE OF POLE FOR FUTURE SECURE TRACER WIRE TO RISER AND POLE
- 2
- TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT
- 3
- REMOVE AND REPLACE 4'X6' SECTION OF EXISTING ASPHALT PER WASHINGTON COUNTY SPECIFICATIONS

END AERIAL CONSTRUCTION AND BEGIN UNDERGROUND CONSTRUCTION AT EXISTING UTILITY POLE.
SEE SHEET 2.6; MATCH POINT "D" FOR AERIAL DETAIL

END UNDERGROUND CONSTRUCTION AND BEGIN AERIAL CONSTRUCTION AT EXISTING UTILITY POLE.
SEE SHEET 2.6; MATCH POINT "E" FOR AERIAL DETAIL



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DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN DRAWN	
10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.
02/06/23	ROUND-A-BOUT ROUTE REVISION	K.J.S.	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S.	R.P.M.



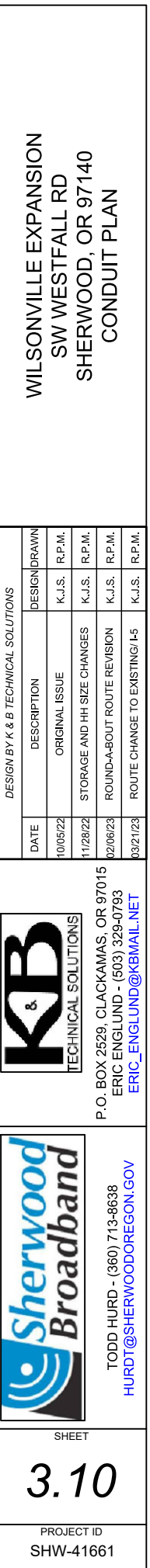
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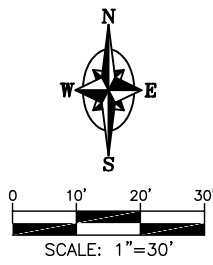
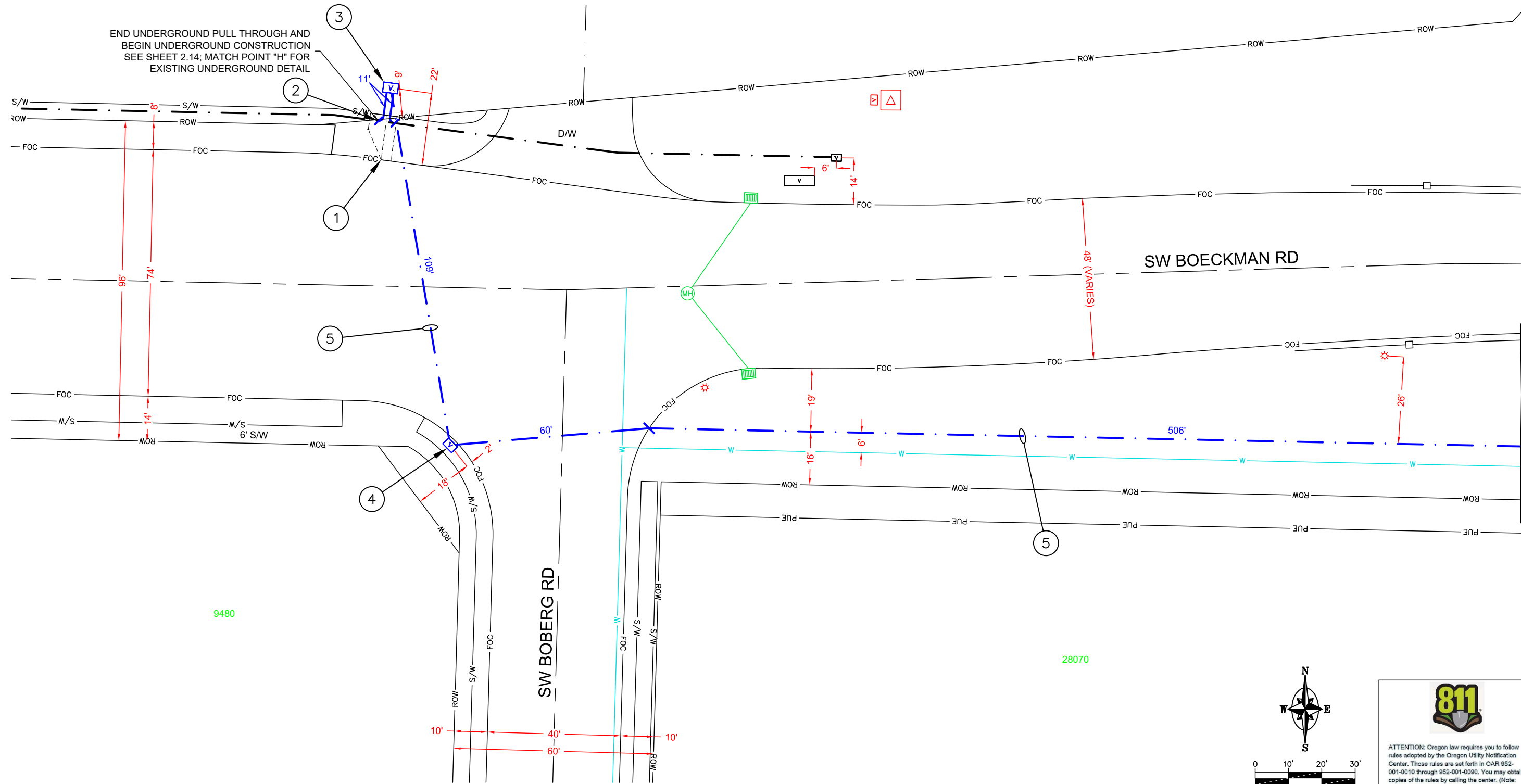
SHEET
3.9
PROJECT ID
SHW-41661

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN



CONSTRUCTION NOTES

- 1
- REMOVE AND REPLACE 3'X14' AND A 46 SQ. FT. PANEL OF EXISTING CONCRETE SIDEWALK PER CITY OF WILSONVILLE SPECIFICATIONS
- 2
- DIG UP AND INTERCEPT EXISTING 4" CONDUIT AND SWEEP NORTH TO EXISTING 17"X30" VAULT.
- 3
- UPGRADE EXISTING 17"X30" VAULT TO NEW 30"X48" VAULT
TERMINATE EXISTING CONDUIT SWEEP IN VAULT
- 4
- PL NEW 24X36X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT
- 5
- TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT



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WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	
DATE	DESCRIPTION	ORIGINAL ISSUE	STORAGE AND HH SIZE CHANGES
10/05/22		K.J.S.	K.J.S.
11/28/22		K.J.S.	K.J.S.
02/06/23		K.J.S.	K.J.S.
03/21/23		K.J.S.	K.J.S.



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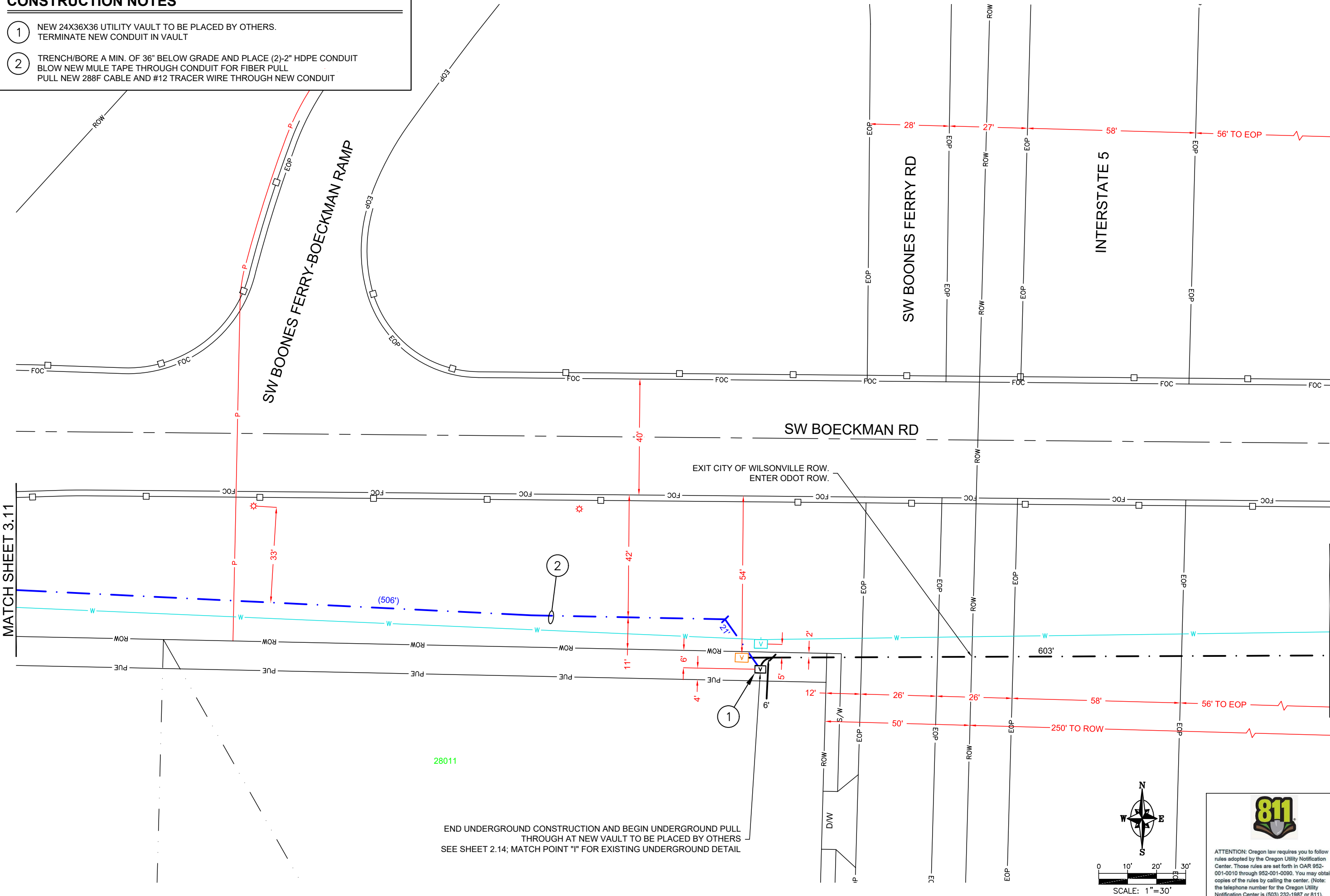
TODD HURD - (360) 713-8638
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SHEET
3.11
PROJECT ID
SHW-41661

CONSTRUCTION NOTES

- 1 NEW 24X36X36 UTILITY VAULT TO BE PLACED BY OTHERS.
TERMINATE NEW CONDUIT IN VAULT
- 2 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT

- 1 NEW 24X36X36 UTILITY VAULT TO BE PLACED BY OTHERS.
TERMINATE NEW CONDUIT IN VAULT
- 2 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT



WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS		
DATE	DESCRIPTION	DRAWN
10/05/22	ORIGINAL ISSUE	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	R.P.M.
02/02/23	ROUND-ABOUT ROUTE REVISION	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	R.P.M.



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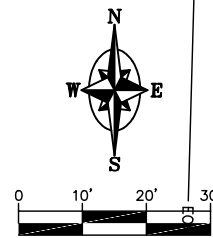
SHEET

3.12

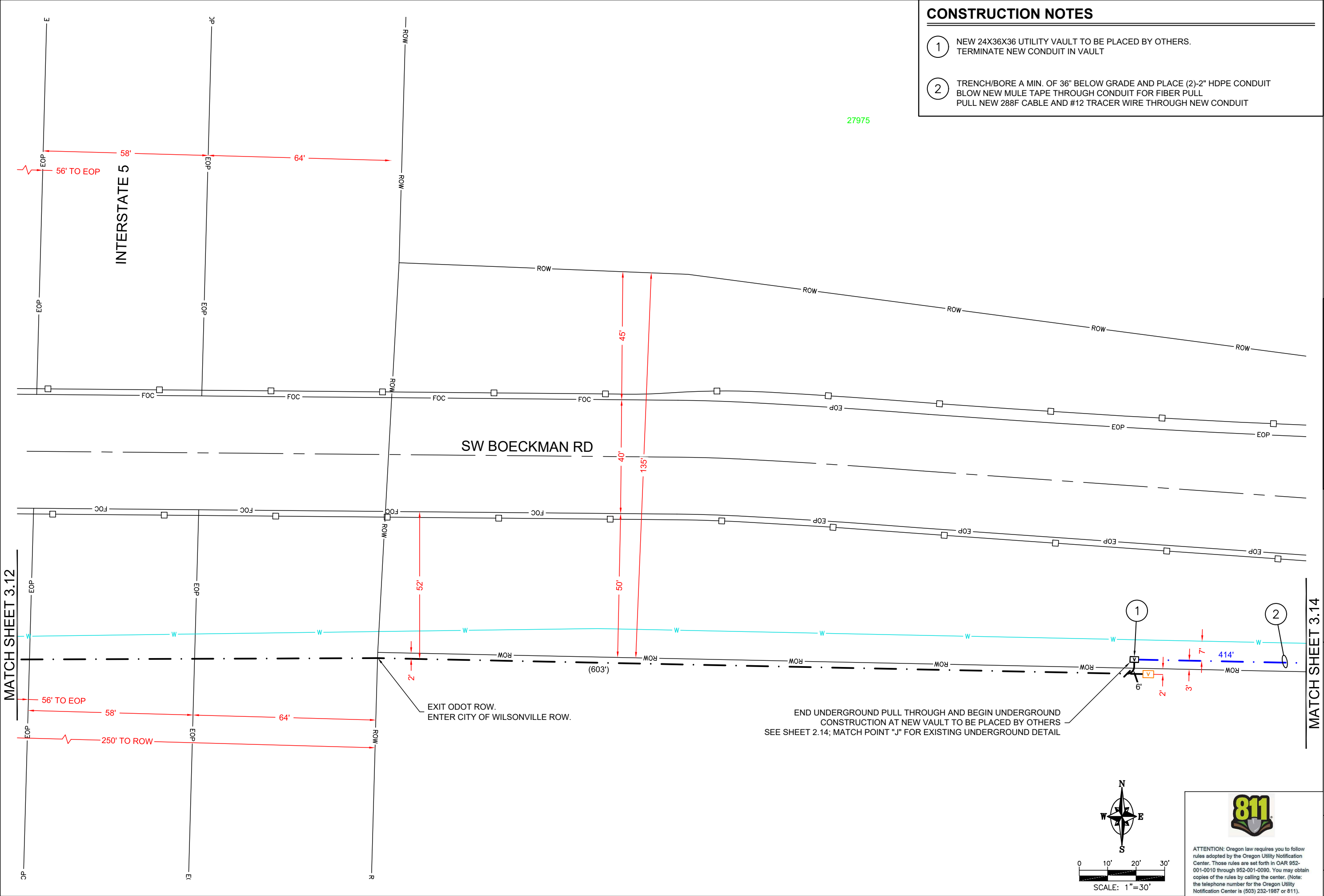
PROJECT ID
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SCALE: 1"=30



CONSTRUCTION NOTES

1

NEW 24X36X36 UTILITY VAULT TO BE PLACED BY OTHERS.
TERMINATE NEW CONDUIT IN VAULT

2

TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT

WILSONVILLE EXPANSION
SW WESTFALL RD
SHERWOOD, OR 97140
CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	R.P.M.
DATE	DESCRIPTION	ORIGINAL ISSUE	R.P.M.
10/05/22			K.J.S.
11/28/22		STORAGE AND HH SIZE CHANGES	K.J.S.
02/06/23		ROUND-A-BOUT ROUTE REVISION	K.J.S.
03/21/23		ROUTE CHANGE TO EXISTING/I-5	K.J.S.

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SHEET

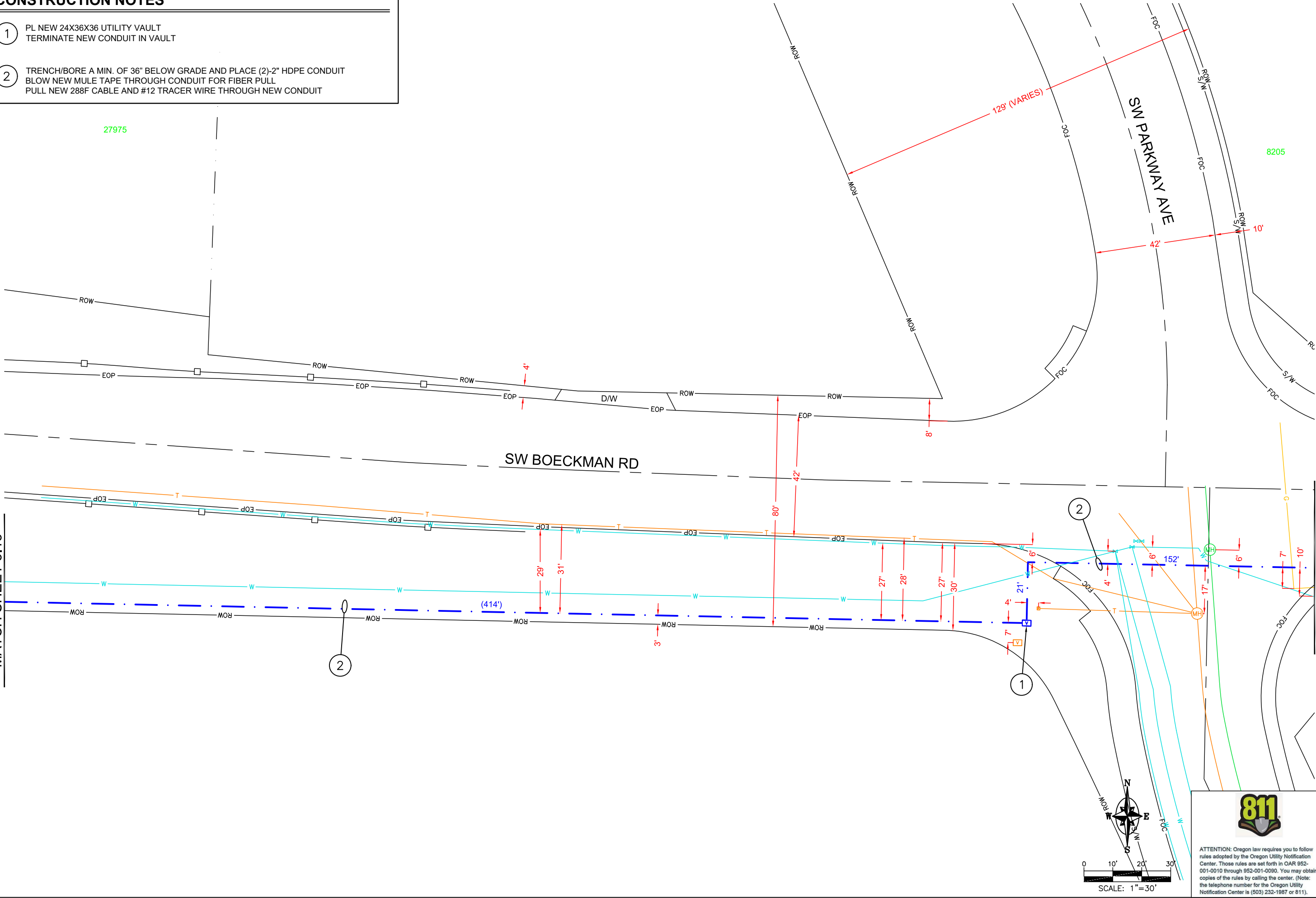
3.13

PROJECT ID
SHW-41661

CONSTRUCTION NOTES

- 1 PL NEW 24X36X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT
- 2 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT

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- ROW
- ROW
- EOP
- EOP
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- ROW
- ROW
- 2
- MATCH SHEET 3.13



MATCH SHEET 3.15

DESIGN BY K & B TECHNICAL SOLUTIONS		
DATE	DESCRIPTION	DESIGN DRAWN
10/05/22	ORIGINAL ISSUE	K.J.S. R.P.M.
11/12/22	STORAGE AND HH SIZE CHANGES	K.J.S. R.P.M.
20/06/23	ROUND-ABOUT ROUTE REVISION	K.J.S. R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S. R.P.M.

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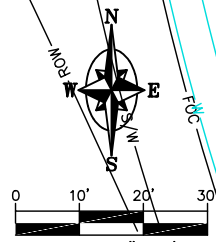
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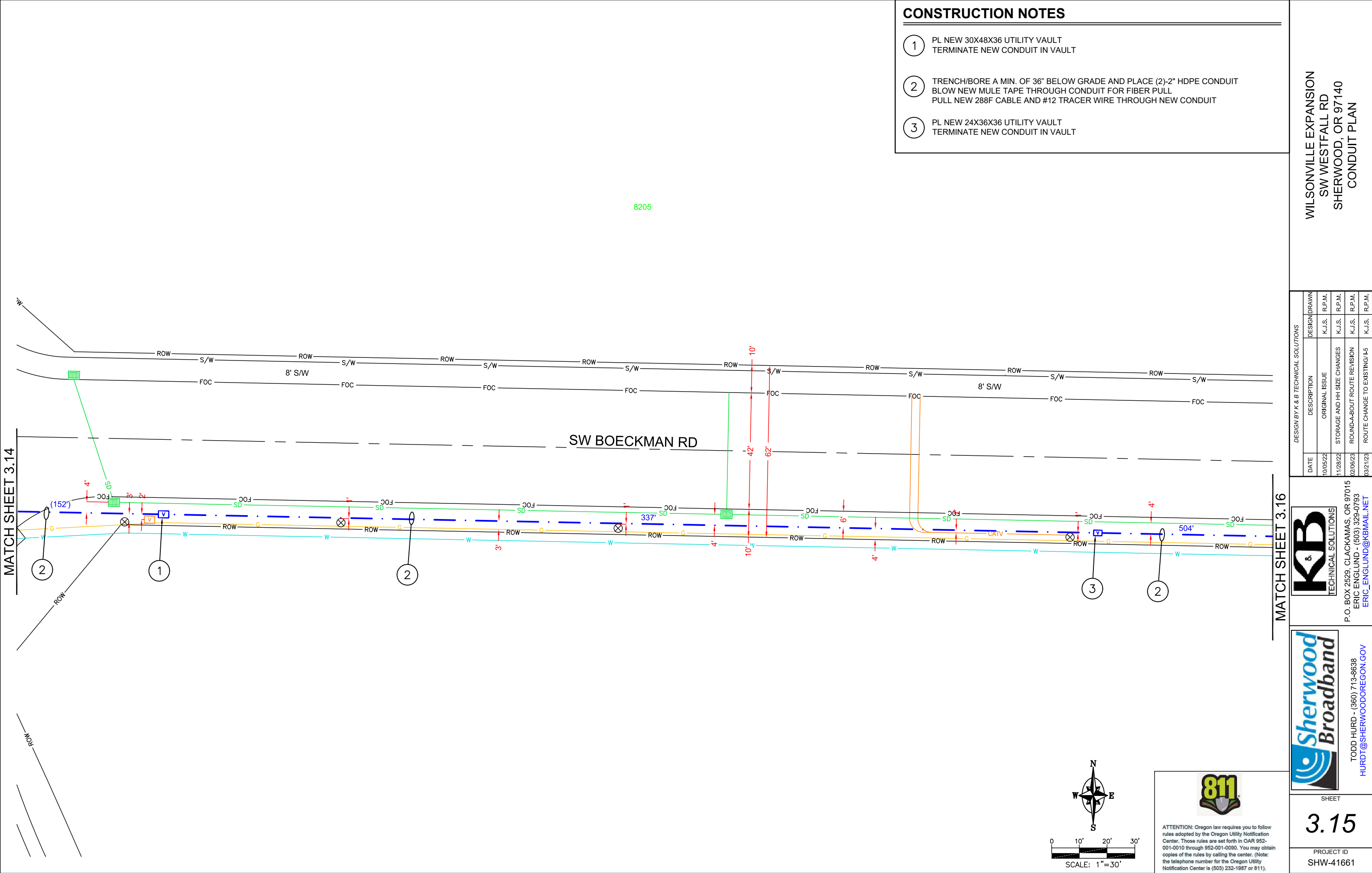
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SCALE: 1"=30'



- ### CONSTRUCTION NOTES
- 1 PL NEW 30X48X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT
 - 2 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT
 - 3 PL NEW 24X36X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT

WILSONVILLE EXPANSION
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DESIGN BY K & B TECHNICAL SOLUTIONS	
DATE	DESCRIPTION
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11/28/22	STORAGE AND HH SIZE CHANGES
02/06/23	ROUND-A-BOUT ROUTE REVISION
03/21/23	ROUTE CHANGE TO EXISTING I-5

K & B
TECHNICAL SOLUTIONS

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Sherwood
Broadband

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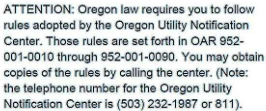
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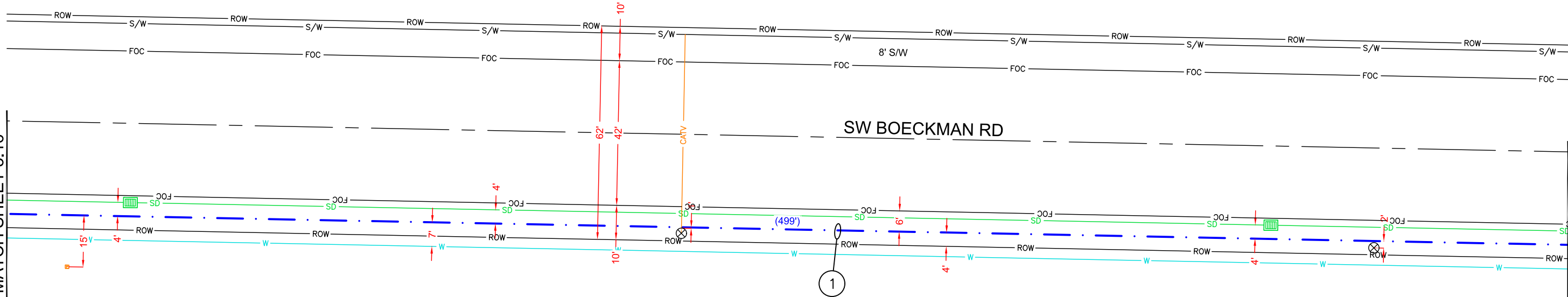
SHEET

3.15

PROJECT ID
SHW-41661



MATCH SHEET 3.16



1

SW BOECKMAN RD

CONSTRUCTION NOTES

- 1 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT

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CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN DRAWN	
10/05/22	ORIGINAL ISSUE	K.J.S.	R.P.M.
11/28/22	STORAGE AND HH SIZE CHANGES	K.J.S.	R.P.M.
02/06/23	ROUND-ABOUT ROUTE REVISION	K.J.S.	R.P.M.
03/21/23	ROUTE CHANGE TO EXISTING I-5	K.J.S.	R.P.M.



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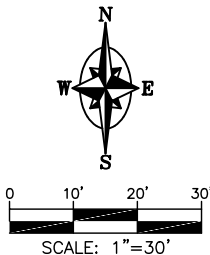


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SHEET

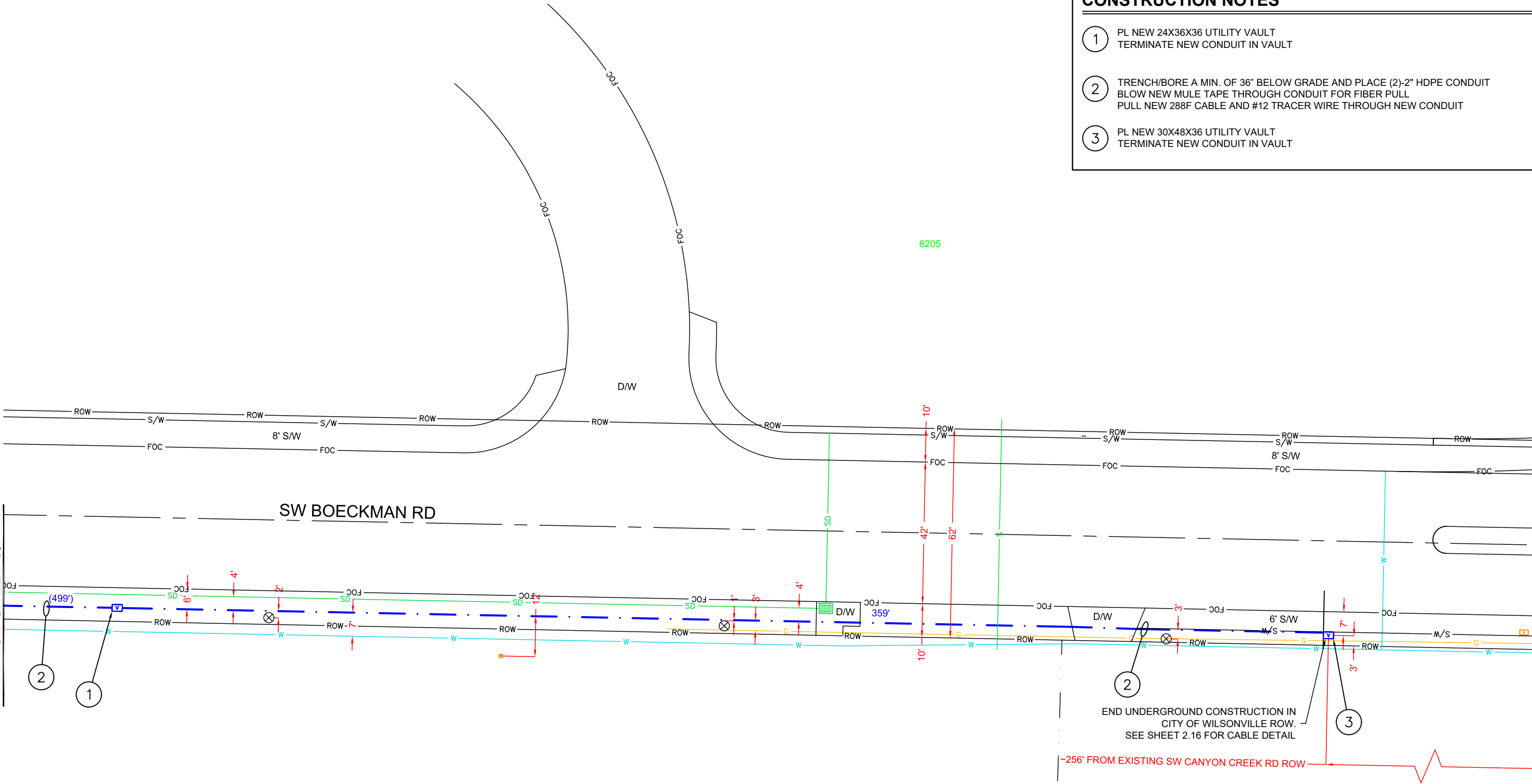
3.17

PROJECT ID
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MATCH SHEET 3.17



CONSTRUCTION NOTES

- 1 PL NEW 24X36X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT
- 2 TRENCH/BORE A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 288F CABLE AND #12 TRACER WIRE THROUGH NEW CONDUIT
- 3 PL NEW 30X48X36 UTILITY VAULT
TERMINATE NEW CONDUIT IN VAULT

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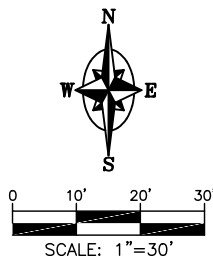
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02/06/23	ROUNDABOUT ROUTE REVISION	K.J.S.	R.P.M.
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SHEET
3.18

PROJECT ID
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