

ALDER CREEK
53950 E HWY 26
SANDY, OR 97055

OWNER / APPLICANT

CITY OF SANDY
39250 PIONEER BLVD
SANDY, OR 97055
CONTACT: GREG BREWSTER
MOBILE: (503) 668-2923
E-MAIL: GBREWSTER@CI.SANDY.OR.US

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

PROJECT FOOTAGES & MATERIALS

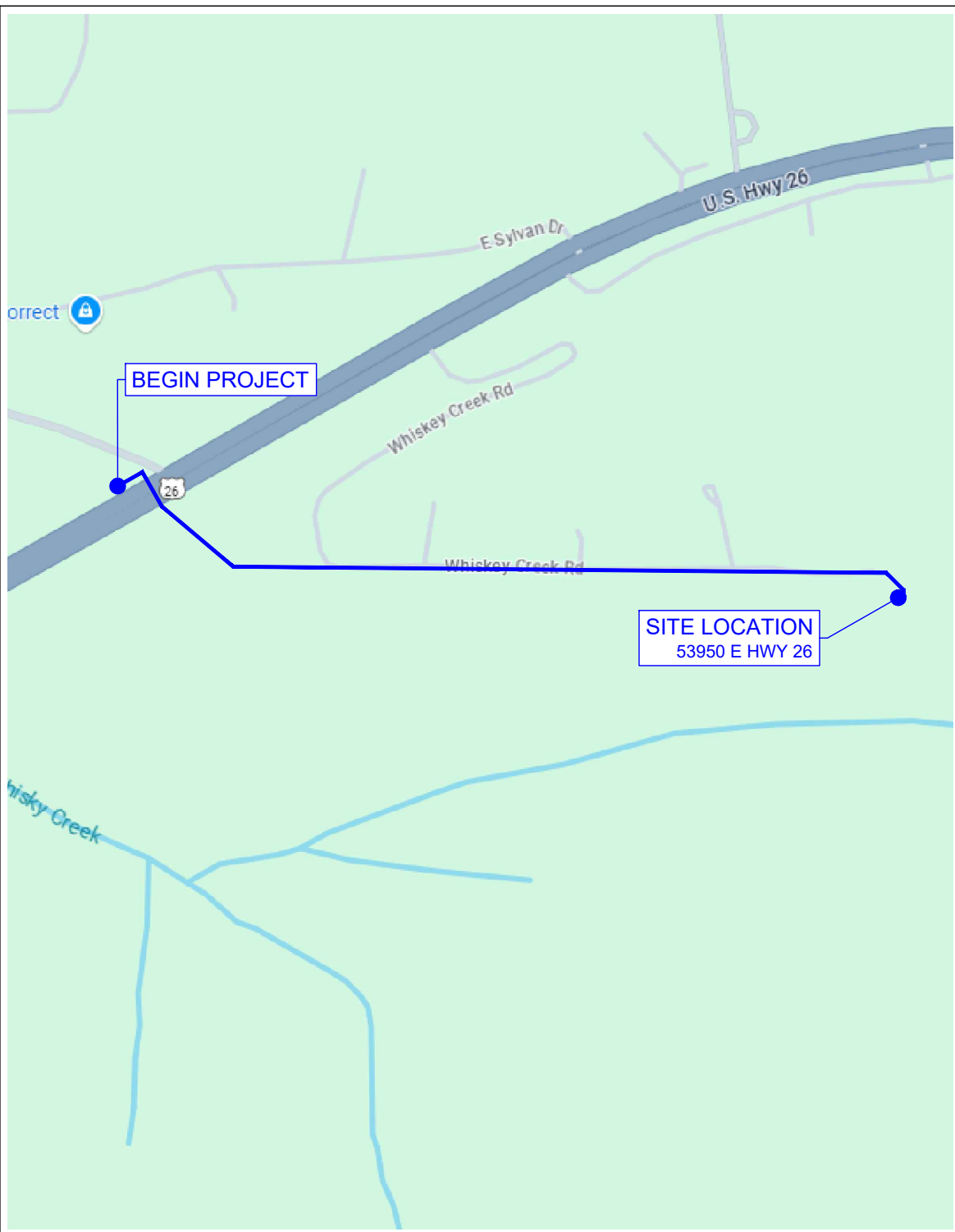
AERIAL:	
OVERLASH	25 FT.
UNDERGROUND:	
(1)-2" PVC RISER	28 FT.
TRENCH (1)-2" PVC/HDPE CONDUIT	30 FT.
DIRECTIONAL DRILL (1)-2" PVC/HDPE CONDUIT	2,755 FT.
24"X36"X24" VAULT	5 EA.
PULL THROUGH NEW	2,809 FT.
BUILDING:	
(1)-2" EMT	8 FT.
CORE DRILL	1 EA.
(1)-2" LB90	1 EA.
FIBER:	
48F CABLE	3,084 FT.
48F STORAGE AERIAL	200 FT.
48F STORAGE UNDERGROUND	500 FT.

SHEET INDEX

SHT	DESCRIPTION
1.0	COVER SHEET/VICINITY MAP
1.1	LEGEND
2.0 - 2.1	CABLE PLAN
3.0 - 3.6	CONDUIT PLAN
4.0	SITE PHOTOGRAPHS

PERMITS

JOINT USE:	PGE 1 POLE
(2)-ODOT: CLACKAMAS COUNTY:	RIGHT-OF-WAY; TRAFFIC CONTROL RIGHT-OF-WAY; TRAFFIC CONTROL



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.



SHEET

1.0

PROJECT ID
SN-49238

DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN DRAWN	
		E.E.	R.P.M.
12/23/25	ORIGINAL ISSUE		
01/21/25	ADDITIONAL NOTES MINOR CHANGES		



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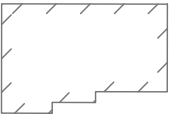
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ALDER CREEK
53950 E HWY 26
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COVER SHEET / VICINITY MAP

LINETYPES

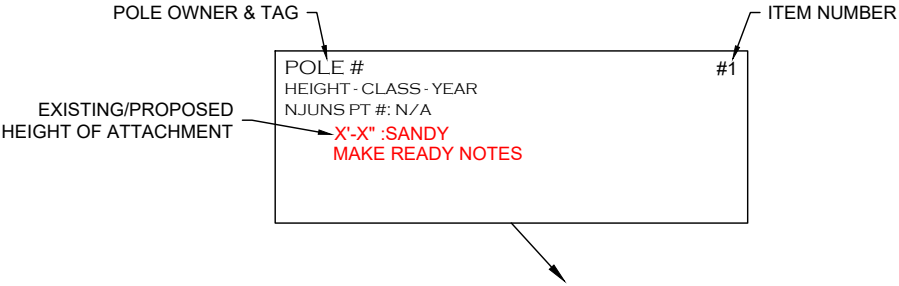
EXISTING STRAND	
PROPOSED STRAND	
EXISTING FIBER	
PROPOSED FIBER	
FIBER EXTENSION	
EXISTING CONDUIT	
PROPOSED CONDUIT/EMT	
EXISTING FLEX DUCT	
PROPOSED FLEX DUCT	
RIGHT-OF-WAY	
PUBLIC UTILITY EASEMENT	
EASEMENT	
PROPERTY	
CENTERLINE	
FACE OF CURB	
EDGE OF PAVEMENT	
EDGE OF CONCRETE	
EDGE OF GRAVEL	
EDGE 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		

ALDER CREEK
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LEGEND

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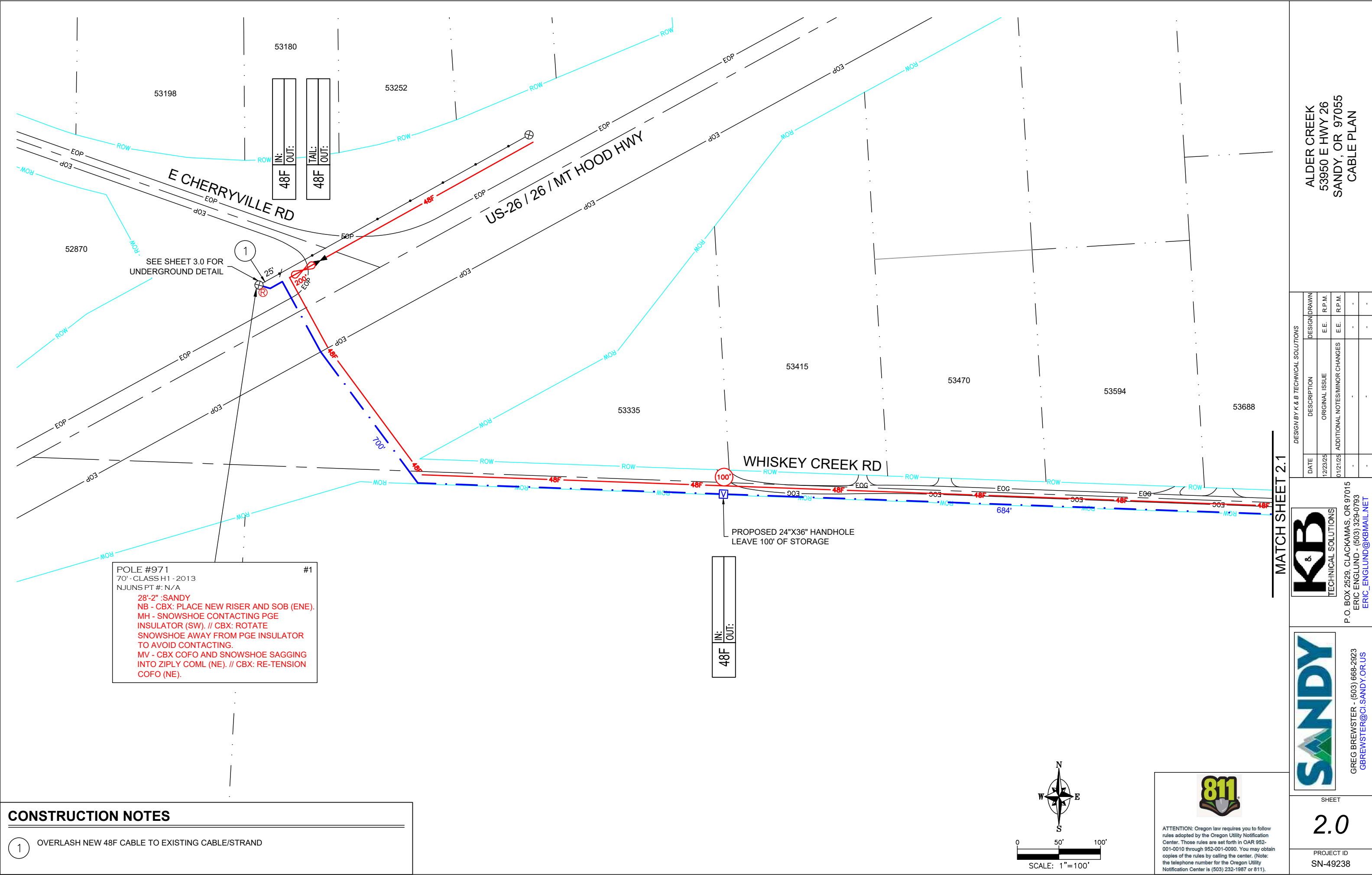


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SHEET

1.1

PROJECT ID
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ALDER CREEK
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SANDY, OR 97055
CABLE PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS			
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01/21/25 <td>ADDITIONAL NOTES/ MINOR CHANGES<td>E.E.<td>R.P.M.</td></td></td>	ADDITIONAL NOTES/ MINOR CHANGES <td>E.E.<td>R.P.M.</td></td>	E.E. <td>R.P.M.</td>	R.P.M.
-	-	-	-
-	-	-	-

POLE #971

70" - CLASS H1 - 2013

NJUNS PT #: N/A

28'-2" :SANDY

NB - CBX: PLACE NEW RISER AND SOB (ENE).

MH - SNOWSHOE CONTACTING PGE INSULATOR (SW). // CBX: ROTATE SNOWSHOE AWAY FROM PGE INSULATOR TO AVOID CONTACTING.

MV - CBX COFO AND SNOWSHOE SAGGING INTO ZIPLY COML (NE). // CBX: RE-TENSION COFO (NE).

#1

PROPOSED 24"X36" HANDHOLE

LEAVE 100' OF STORAGE

IN:

OUT:

48F

811

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2.0

PROJECT ID

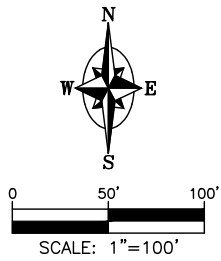
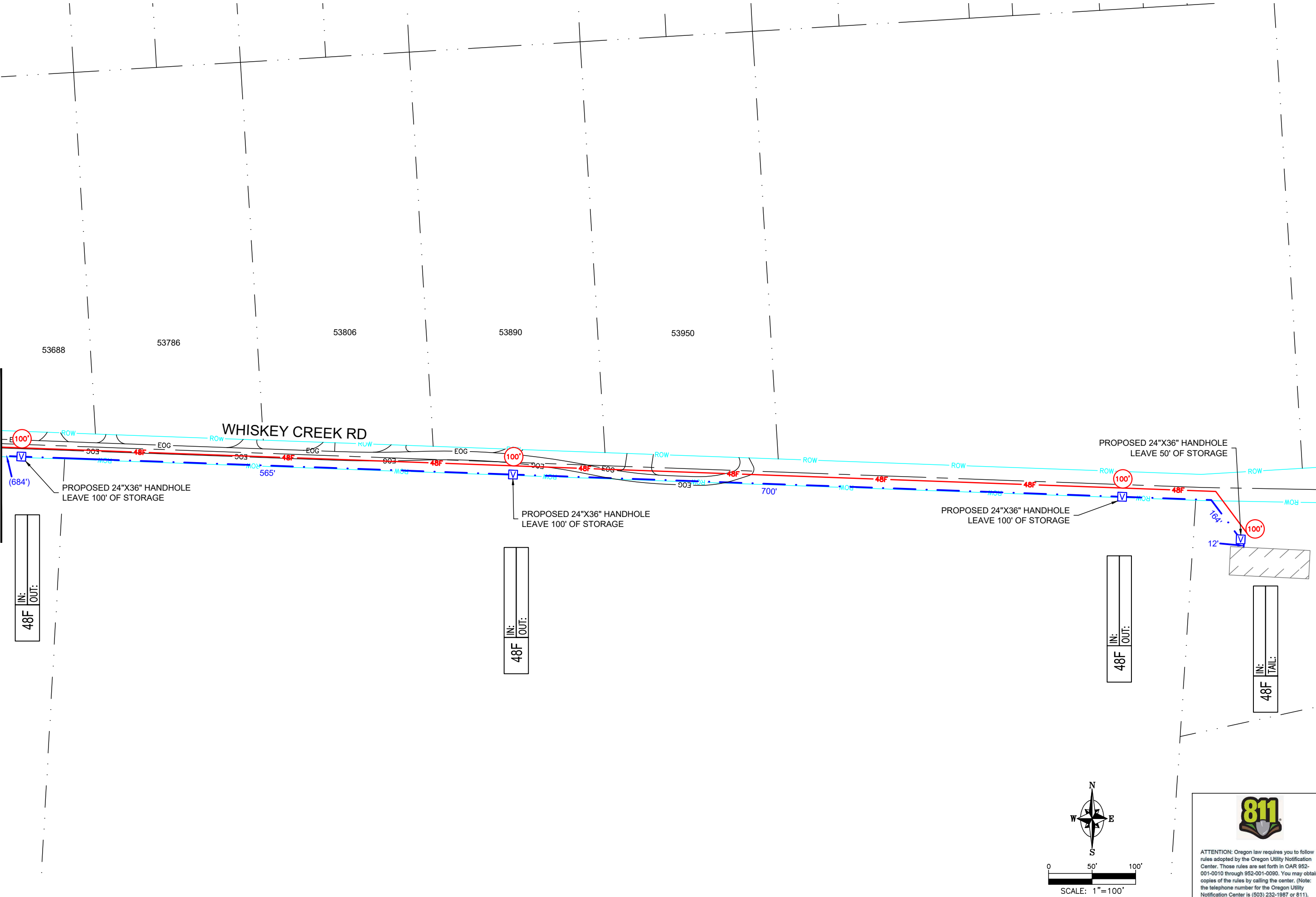
SN-49238

1

OVERLASH NEW 48F CABLE TO EXISTING CABLE/STRAND

MATCH SHEET 2.1

MATCH SHEET 2.0



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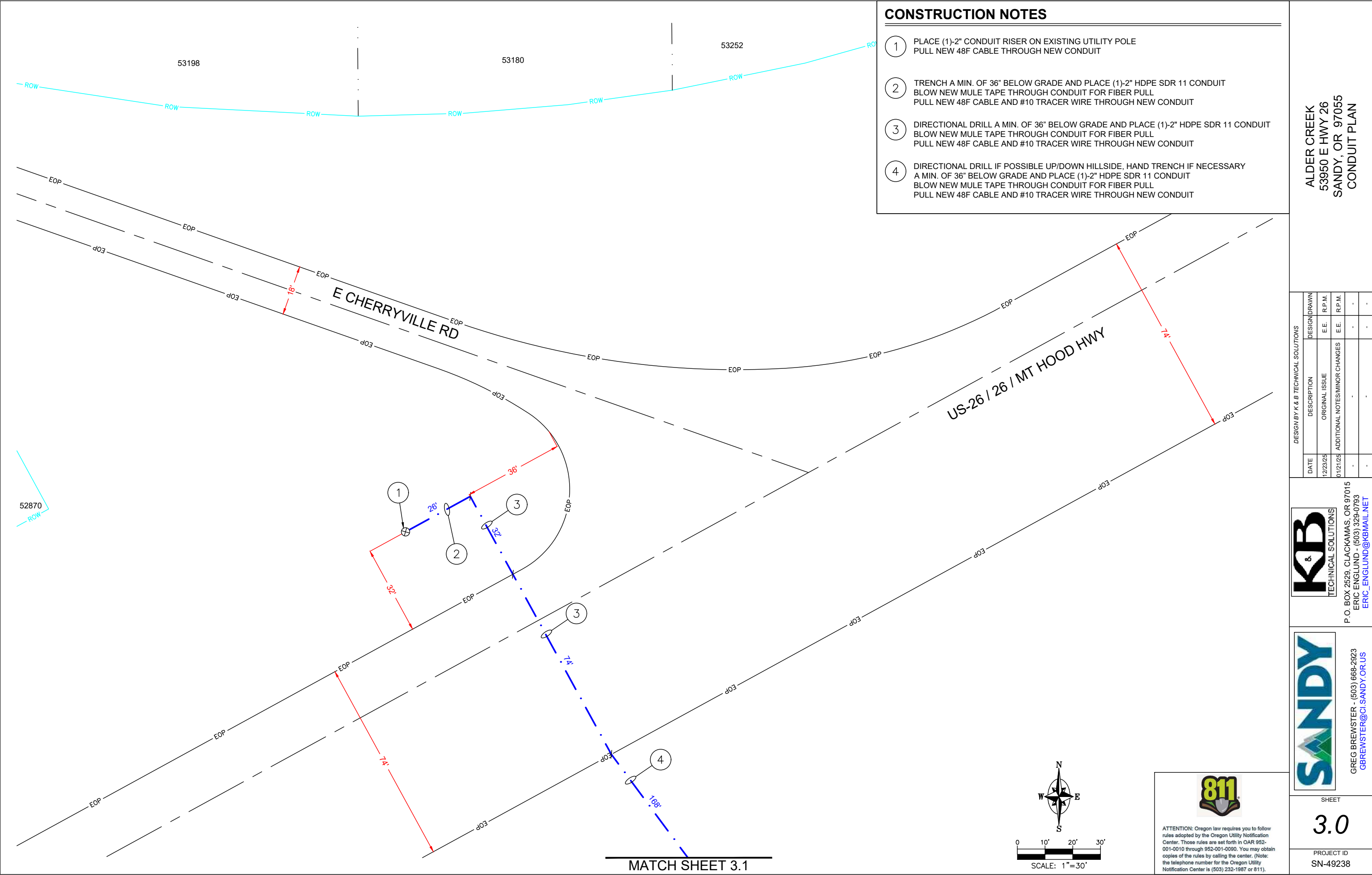
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SHEET
2.1

ALDER CREEK
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CABLE PLAN



- ### CONSTRUCTION NOTES
- 1 PLACE (1)-2" CONDUIT RISER ON EXISTING UTILITY POLE
PULL NEW 48F CABLE THROUGH NEW CONDUIT
 - 2 TRENCH A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
 - 3 DIRECTIONAL DRILL A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
 - 4 DIRECTIONAL DRILL IF POSSIBLE UP/DOWN HILLSIDE, HAND TRENCH IF NECESSARY
A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT

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CONDUIT PLAN

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SHEET
3.0

PROJECT ID
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US-26 / 26 / MT HOOD HWY

53335

—WHISKEY CREEK RD —

MATCH SHEET 3.2
DESIGN BY K & B TECHNICAL SOLUTIONS

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01/01/25	ADDITIONAL NOTES/MINOR CHANGES	E.E.	R.P.M.
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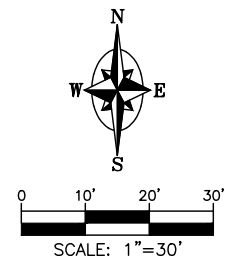
SHEET

3.1

PROJECT ID
SN-49238

CONSTRUCTION NOTES

- 1 DIRECTIONAL DRILL IF POSSIBLE UP/DOWN HILLSIDE, HAND TRENCH IF NECESSARY
A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- 2 DIRECTIONAL DRILL A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT



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MATCH SHEET 3.1

MATCH SHEET 3.3

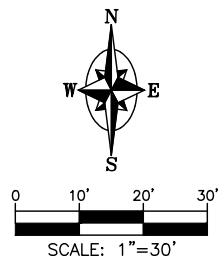
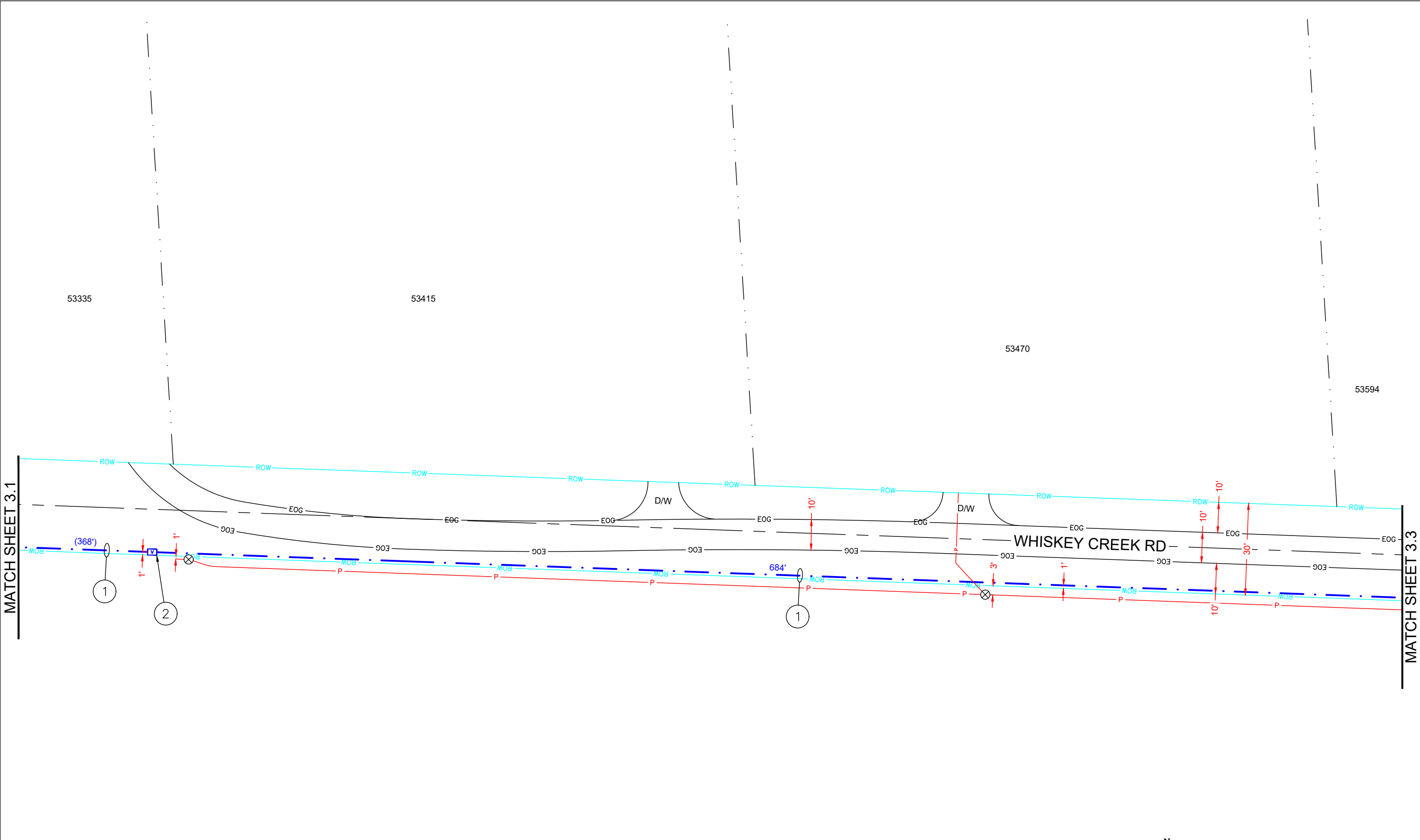
CONSTRUCTION NOTES

1

DIRECTIONAL DRILL A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
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2

PL NEW 24X36X24 HANDHOLE
TERMINATE NEW CONDUIT IN HANDHOLE



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CONDUIT PLAN

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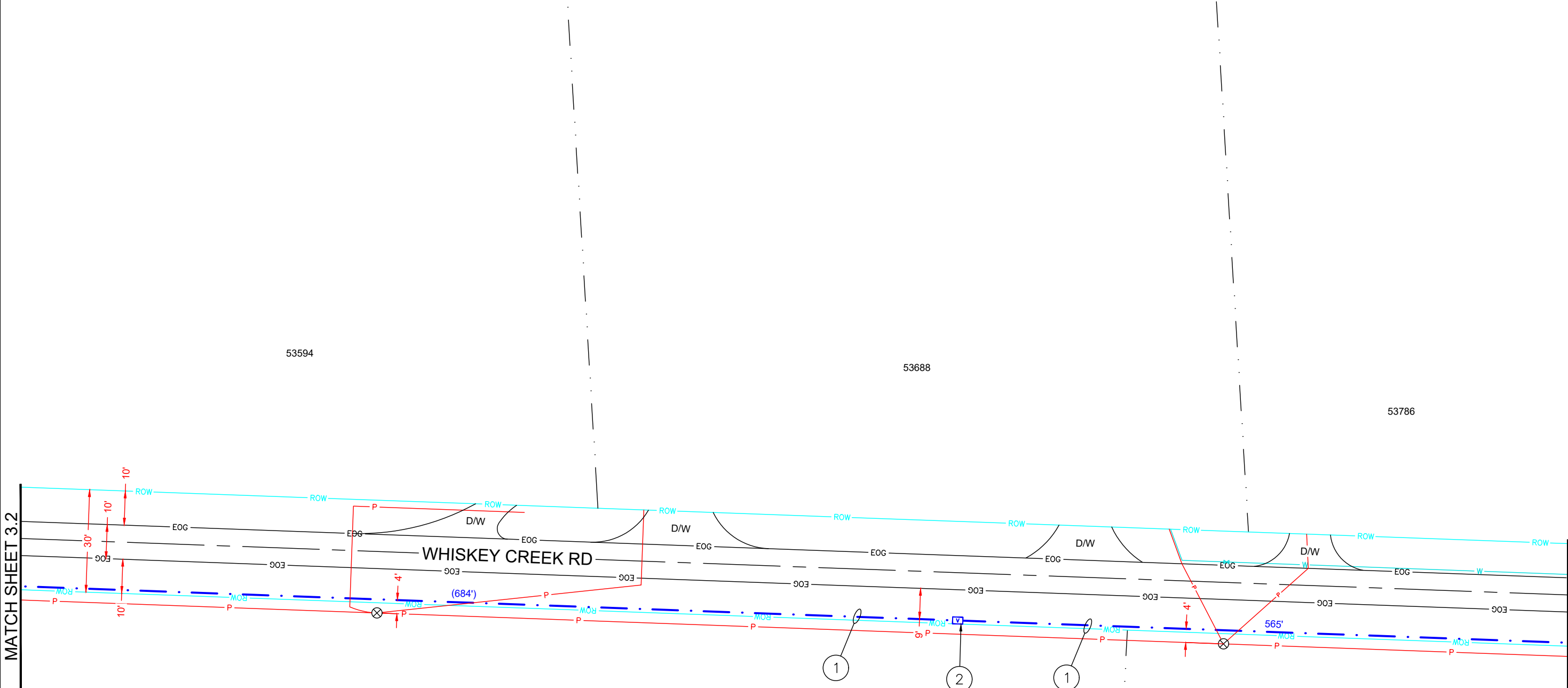
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SHEET

3.2

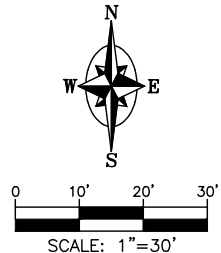
PROJECT ID
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MATCH SHEET 3.2



CONSTRUCTION NOTES

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PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- 2 PL NEW 24X36X24 HANDHOLE
TERMINATE NEW CONDUIT IN HANDHOLE



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MATCH SHEET 3.4



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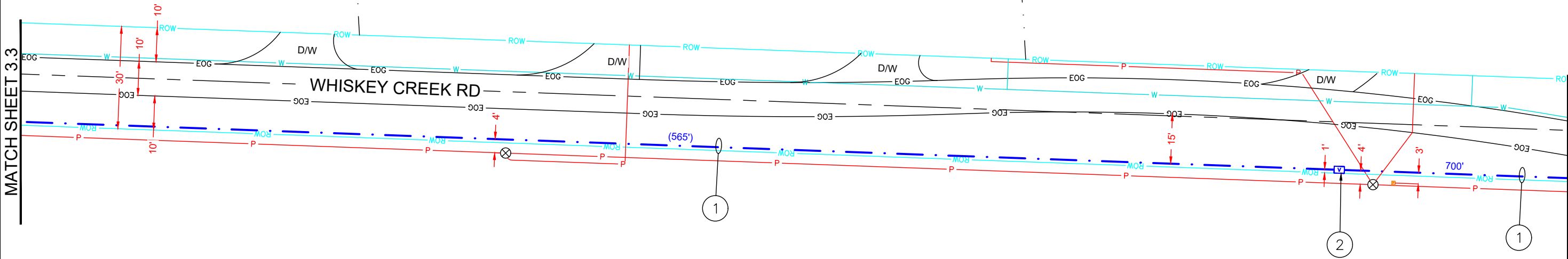
3.3

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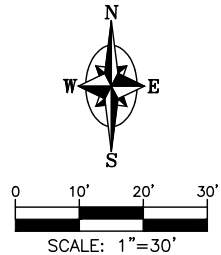
ALDER CREEK
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CONDUIT PLAN

MATCH SHEET 3.3



CONSTRUCTION NOTES

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MATCH SHEET 3.5



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3.4

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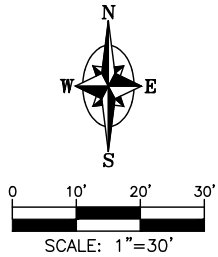
MATCH SHEET 3.4

MATCH SHEET 3.6

CONSTRUCTION NOTES

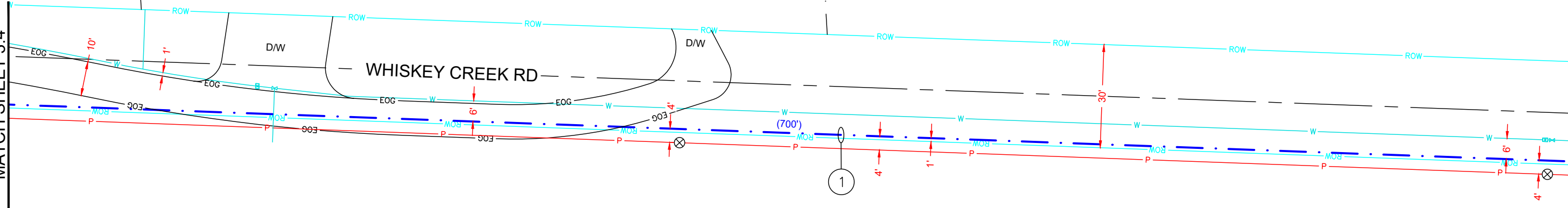
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53890 53950



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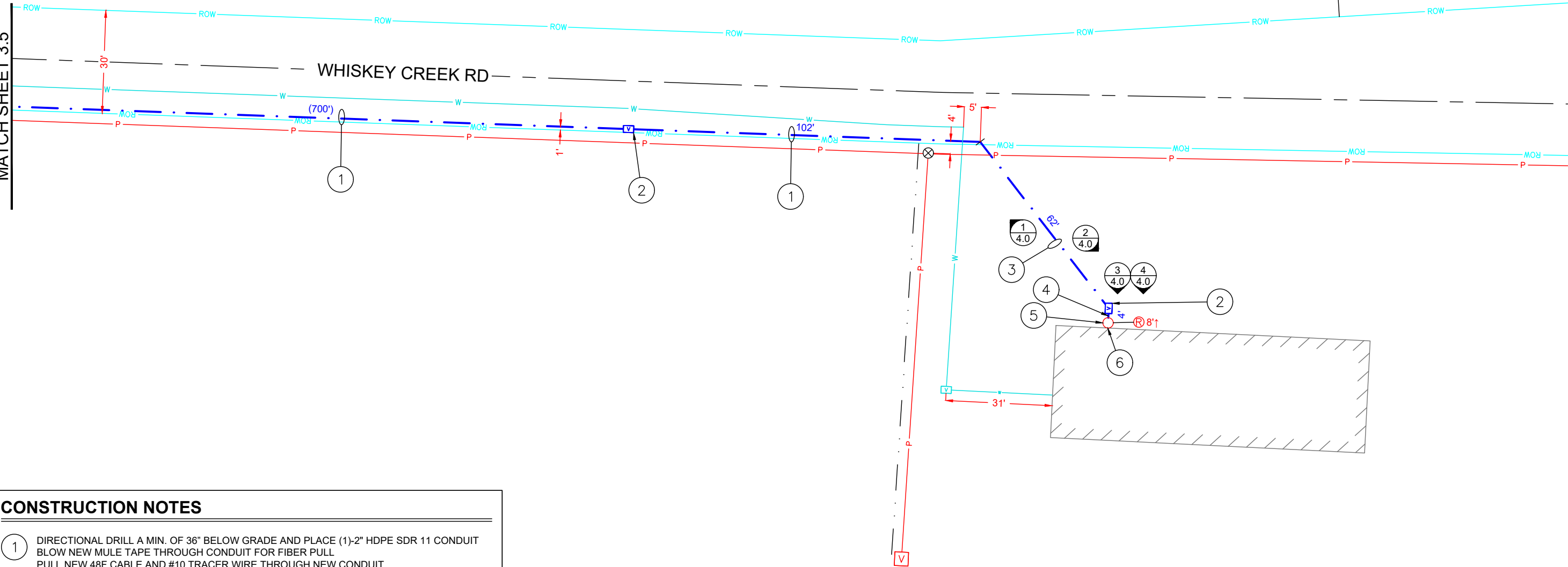
SHEET

3.5

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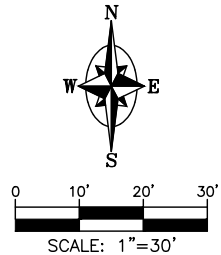
ALDER CREEK
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MATCH SHEET 3.5



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- 4 TRENCH A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
- 5 PL AND SECURE NEW (1)-2" EMT
- 6 CORE DRILL A (1)-2" PENETRATION IN EXTERIOR BUILDING WALL.
PL NEW LB90, SLEEVE AND SEAL NEW PENETRATION



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DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN	DRAWN
12/23/25	ORIGINAL ISSUE	E.E.	R.P.M.
01/21/25	ADDITIONAL NOTES/MINOR CHANGES	E.E.	R.P.M.
-	-	-	-
-	-	-	-



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SHEET

3.6

PROJECT ID
SN-49238

ALDER CREEK
53950 E HWY 26
SANDY, OR 97055
CONDUIT PLAN

IMAGE DETAIL
LOOKING NORTHWEST

PIC # 1
SHEET 3.6



IMAGE DETAIL
LOOKING SOUTHEAST

PIC # 2
SHEET 3.6

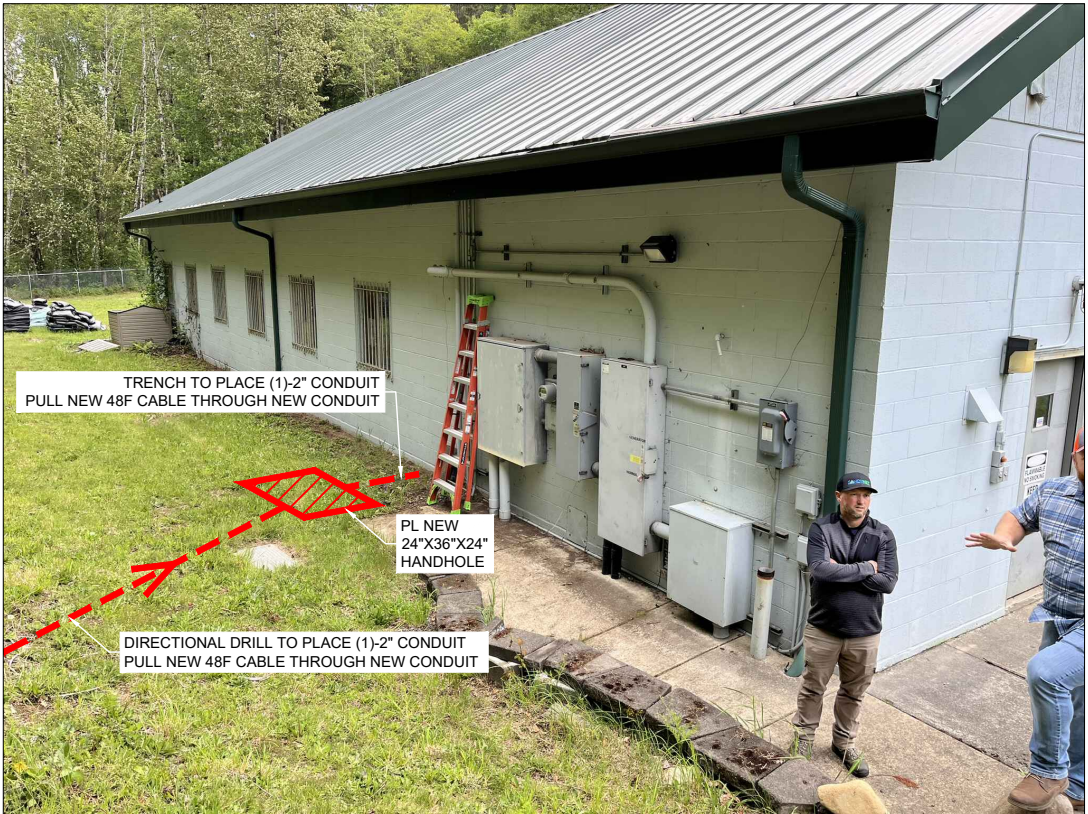


IMAGE DETAIL
LOOKING SOUTH

PIC # 3
SHEET 3.6

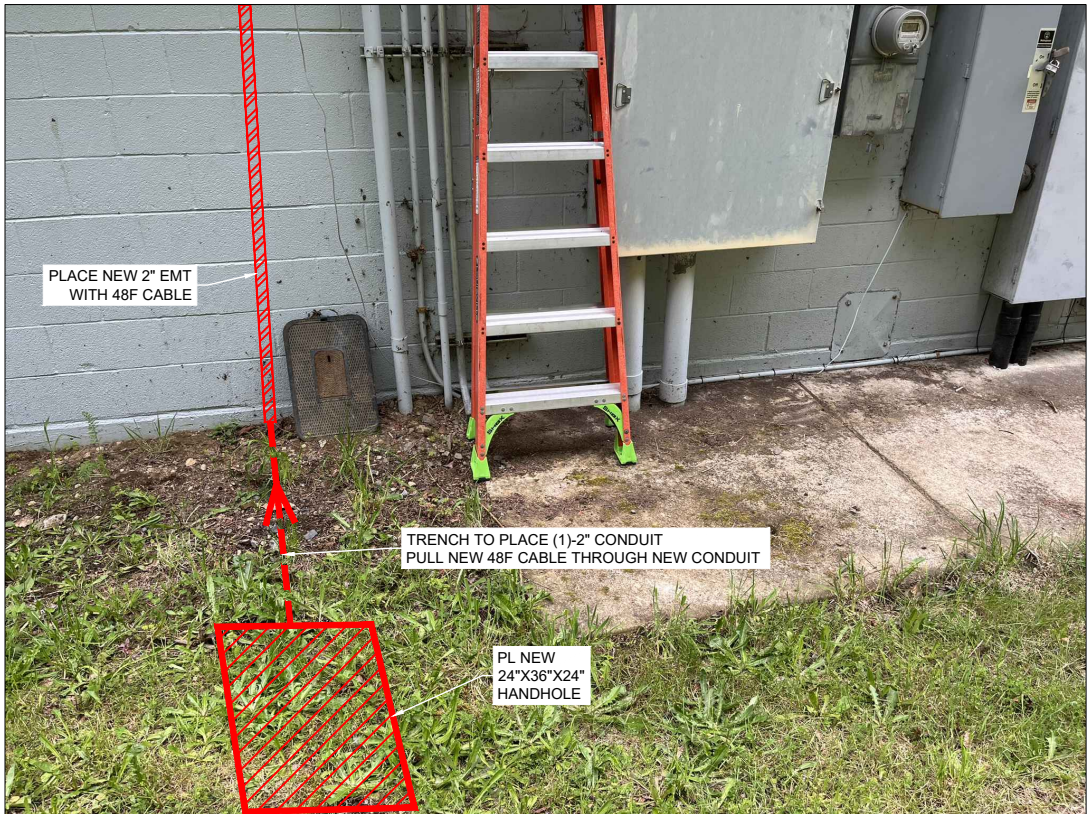
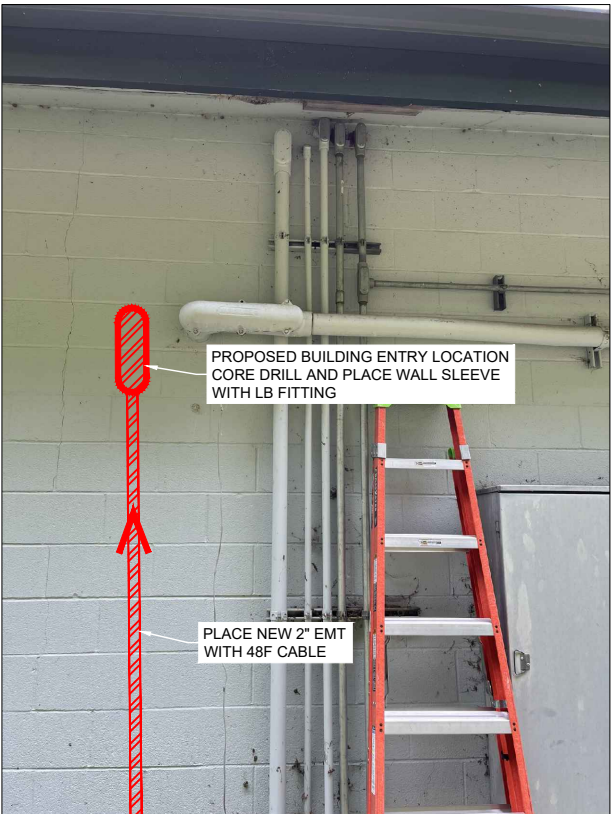


IMAGE DETAIL
LOOKING SOUTH

PIC # 4
SHEET 3.6



ALDER CREEK
53950 E HWY 26
SANDY, OR 97055
SITE PHOTOGRAPHS

DESIGN BY K & B TECHNICAL SOLUTIONS			
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SHEET
4.0

PROJECT ID
SN-49238

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055

OWNER / APPLICANT

CITY OF SANDY
39250 PIONEER BLVD
SANDY, OR 97055
CONTACT: GREG BREWSTER
MOBILE: (503) 668-2923
E-MAIL: GBREWSTER@CI.SANDY.OR.US

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

PROJECT FOOTAGES & MATERIALS

AERIAL: OVERLASH	10 FT.
UNDERGROUND: (1)-2" PVC RISER TRENCH (1)-2" PVC/HDPE CONDUIT DIRECTIONAL DRILL (1)-2" PVC/HDPE CONDUIT 24"X36"X24" VAULT PULL THROUGH NEW	24 FT. 29 FT. 3,745 FT. 5 EA. 3,798 FT.
BUILDING: PL NEW BARE 48F CABLE CORE DRILL	2 FT. 1 EA.
FIBER: 48F CABLE 48F STORAGE AERIAL 48F STORAGE UNDERGROUND 48F STORAGE BUILDING	4,060 FT. 200 FT. 500 FT. 25 FT.

SHEET INDEX

SHT	DESCRIPTION
1.0	COVER SHEET/VICINITY MAP
1.1	LEGEND
2.0 - 2.1	CABLE PLAN
3.0 - 3.8	CONDUIT PLAN
4.0	SITE DETAIL
5.0	SITE PHOTOGRAPHS

PERMITS

JOINT USE:	PGE 1 POLE
(2)-ODOT:	RIGHT-OF-WAY; TRAFFIC CONTROL



WORK CLOSELY WITH CITY OF SANDY
PUBLIC WORKS TO AVOID BORE/TRENCH
CONFLICTS AND MAINTAIN DISTANCE
FROM EXISTING WATER MAINS



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.



SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
COVER SHEET / VICINITY MAP

DESIGN BY K & B TECHNICAL SOLUTIONS			
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SHEET
1.0

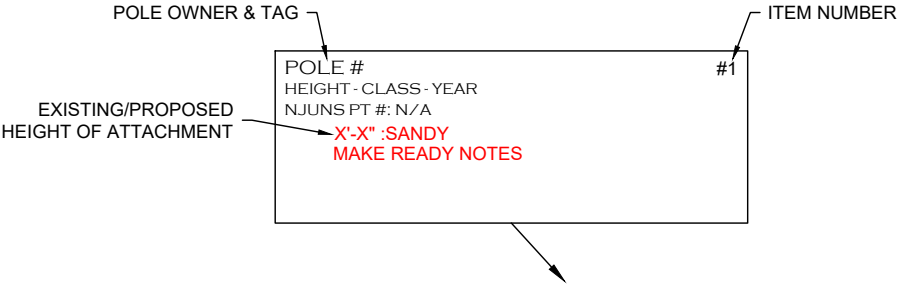
PROJECT ID
SN-49239

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

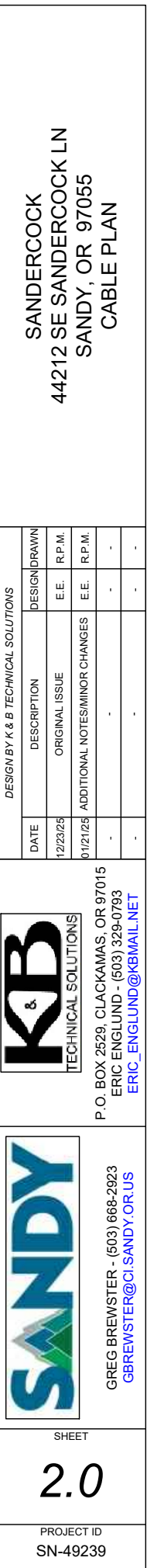
N	NORTH	N/O	NORTH OF	AB	ABANDONED	PDRP	POWER SERVICE DROP
S	SOUTH	S/O	SOUTH OF	ANC	ANCHOR	PG	POLE/GROUNDING
E	EAST	E/O	EAST OF	BD	BUILDING	PH	POLE/HORIZONTAL CLEARANCE
W	WEST	W/O	WEST OF	BH	BUILDING/HORIZONTAL CLEARANCE	PL	POLE/LEANING
				BR	BRIDGE	PR	POLE/RISER
NE	NORTH EAST	A/F	ACROSS FROM	BV	BUILDING/VERTICAL 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		

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
LEGEND

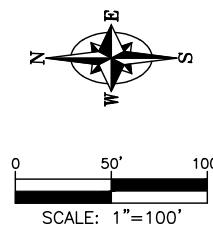
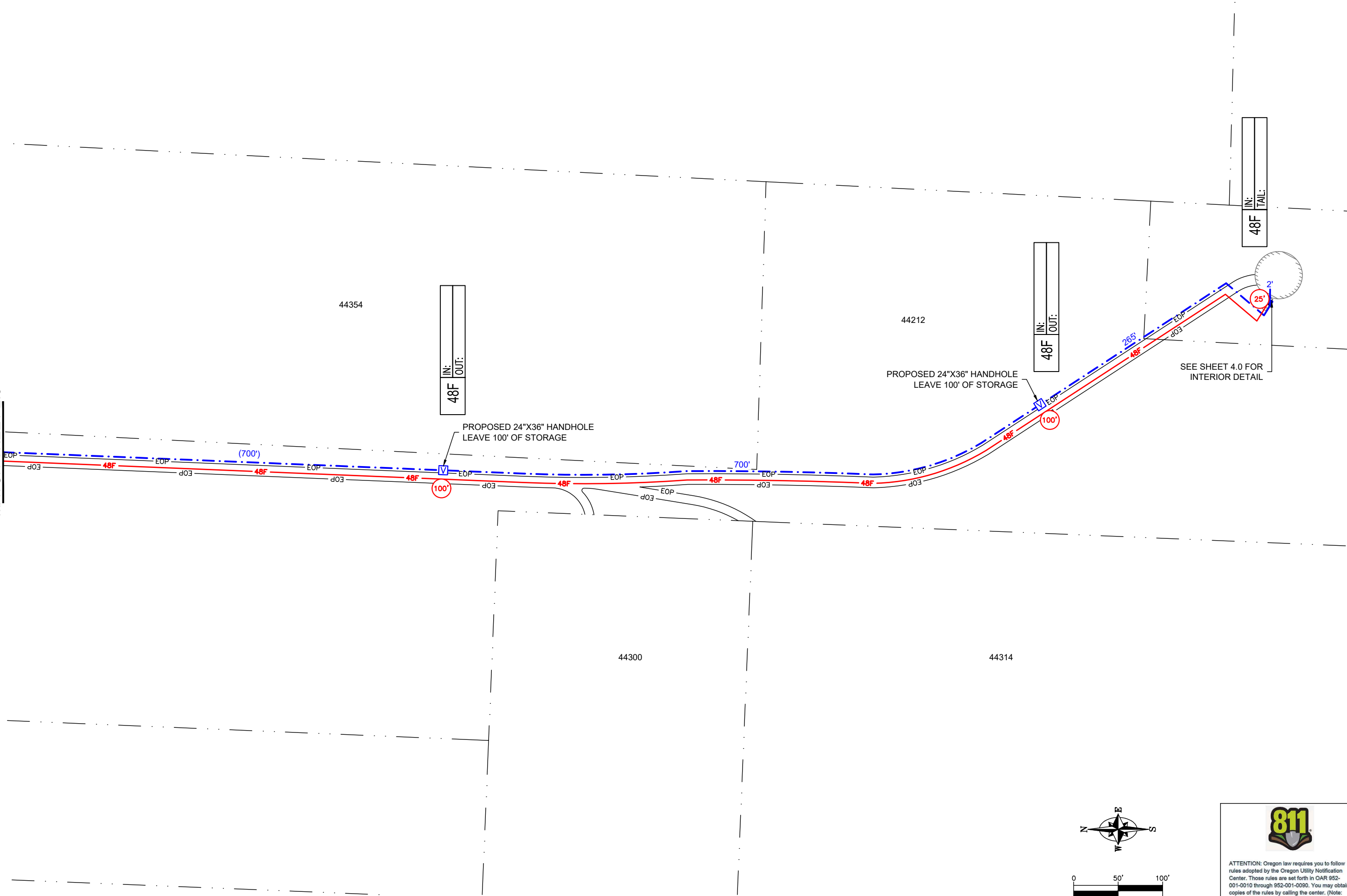
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-	-	-	-

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MATCH SHEET 2.0



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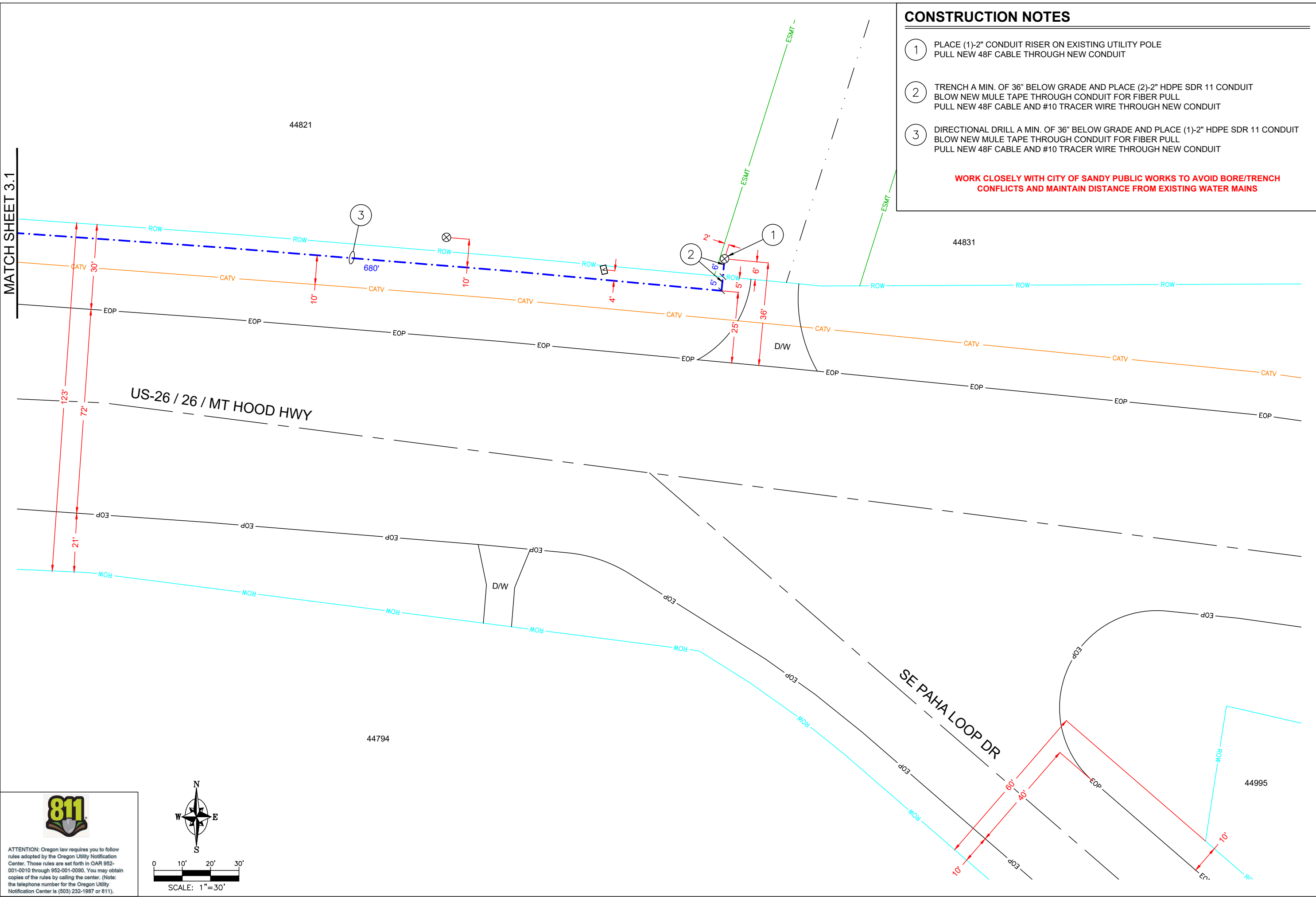
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-	-	-	-
-	-	-	-

PROJECT ID
SN-49239

SHEET
2.1

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
CABLE PLAN

MATCH SHEET 3.1



CONSTRUCTION NOTES

- 1 PLACE (1)-2" CONDUIT RISER ON EXISTING UTILITY POLE
PULL NEW 48F CABLE THROUGH NEW CONDUIT
- 2 TRENCH A MIN. OF 36" BELOW GRADE AND PLACE (2)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- 3 DIRECTIONAL DRILL A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH
CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS			
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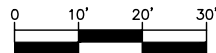
SHEET

3.0

PROJECT ID
SN-49239



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SCALE: 1"=30'

MATCH SHEET 3.2

MATCH SHEET 3.0

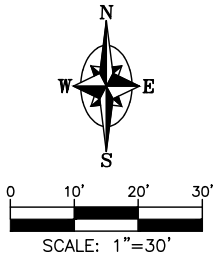
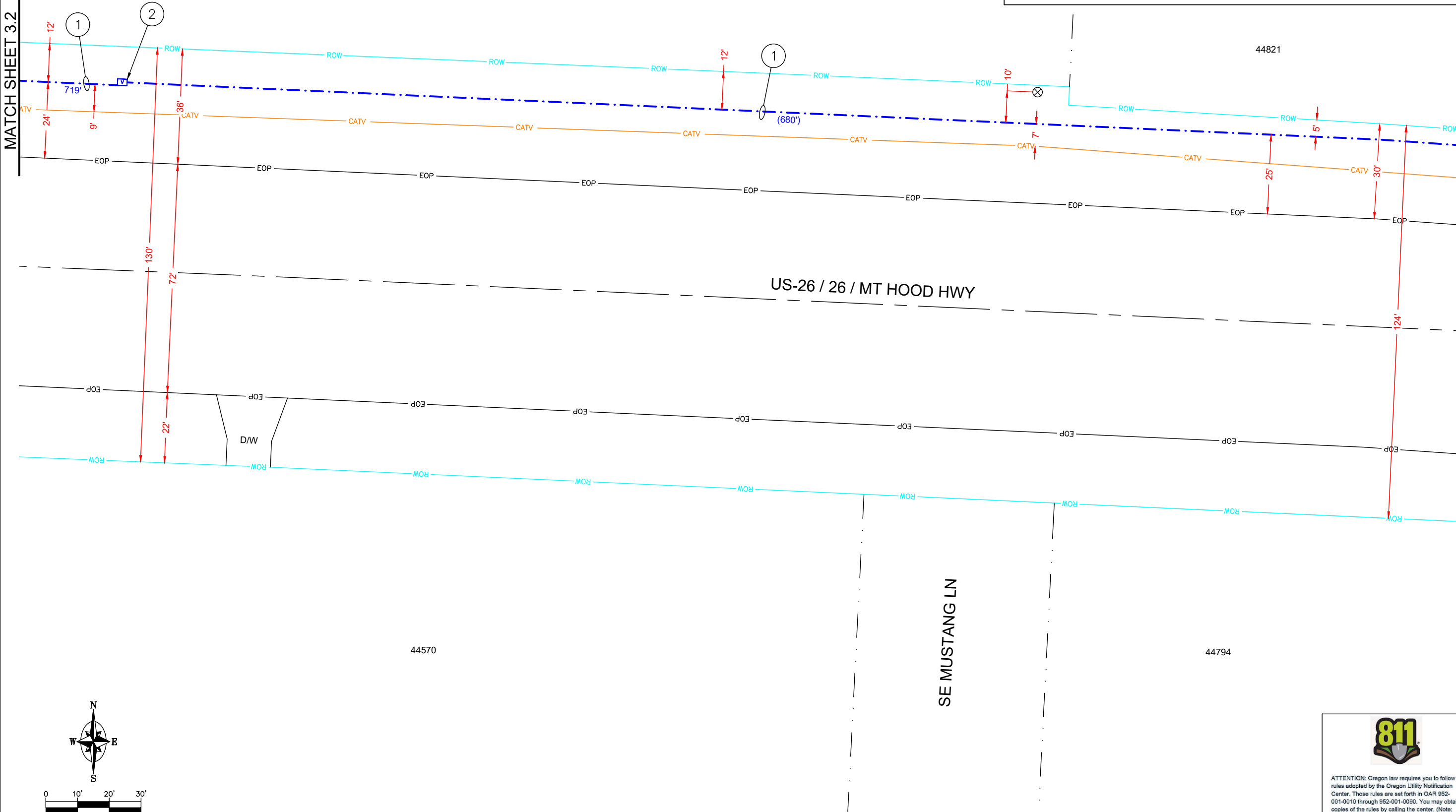
CONSTRUCTION NOTES

- 1

DIRECTIONAL DRILL A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- 2

PL NEW 24X36X24 HANDHOLE
TERMINATE NEW CONDUIT IN HANDHOLE

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH
CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS



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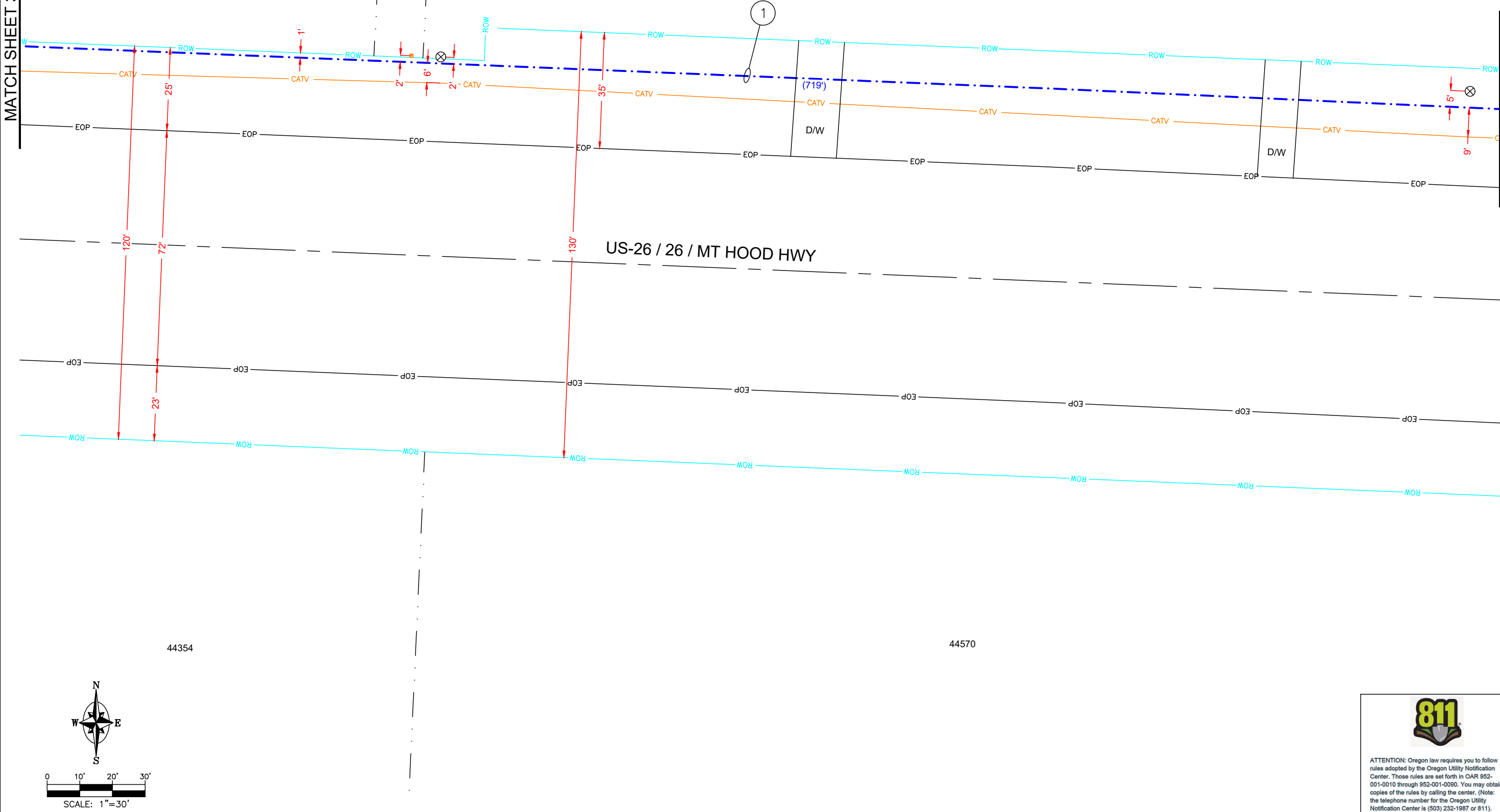
SHEET

3.1

PROJECT ID
SN-49239

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
CONDUIT PLAN

MATCH SHEET 3.3



CONSTRUCTION NOTES

- 1 DIRECTIONAL DRILL A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH
CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS

MATCH SHEET 3.1

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
CONDUIT PLAN

KB

&

TECHNICAL SOLUTIONS

DESIGN BY K & B TECHNICAL SOLUTIONS

DATE	DESCRIPTION	DESIGN DRAWN
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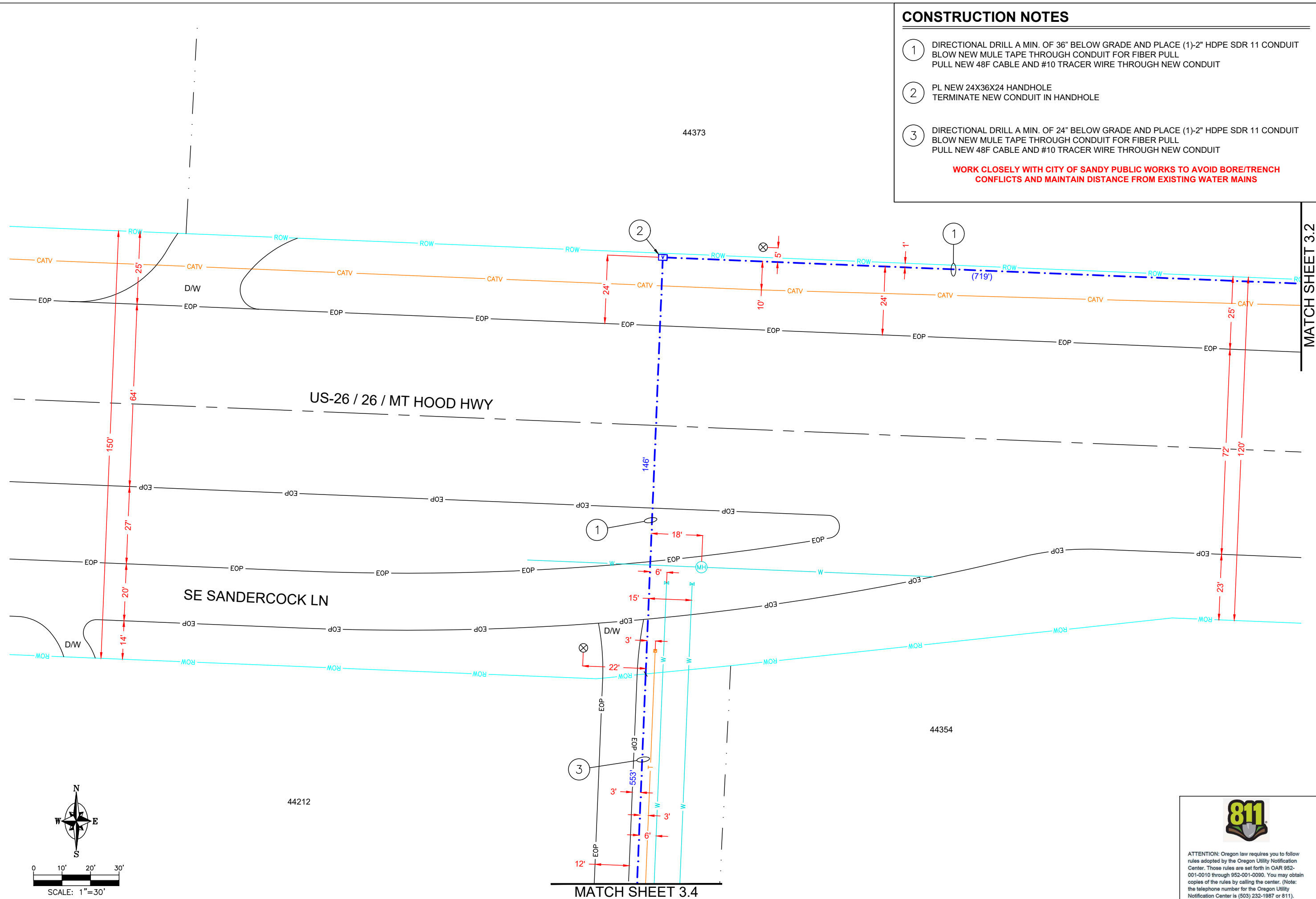


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SHEET

3.2

PROJECT ID
SN-49239



CONSTRUCTION NOTES

- ① DIRECTIONAL DRILL A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- ② PL NEW 24X36X24 HANDHOLE TERMINATE NEW CONDUIT IN HANDHOLE
- ③ DIRECTIONAL DRILL A MIN. OF 24" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS

MATCH SHEET 3.2

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SHEET

3.3

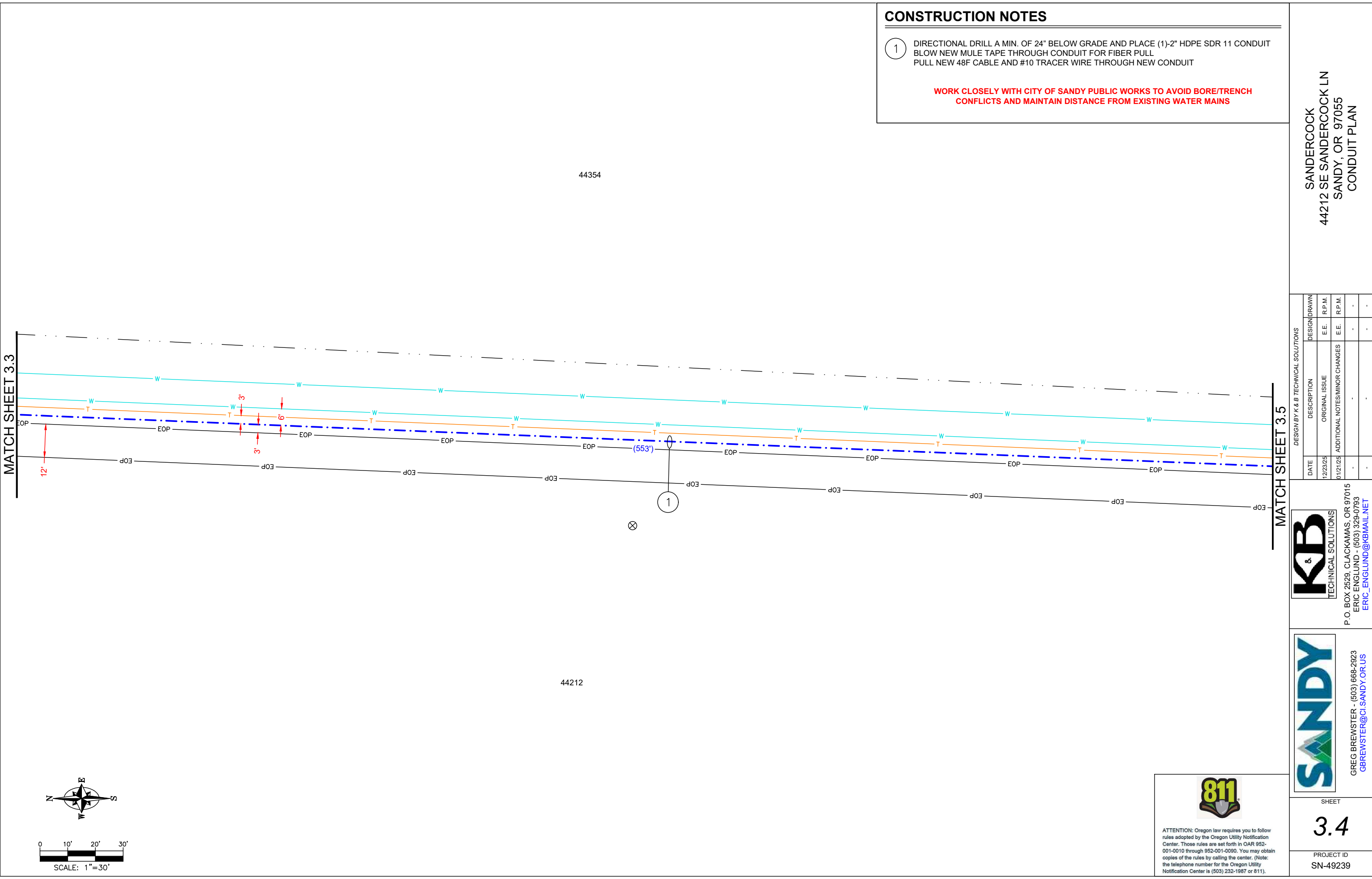
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MATCH SHEET 3.3

MATCH SHEET 3.5



CONSTRUCTION NOTES

1

DIRECTIONAL DRILL A MIN. OF 24" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH
CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN DRAWN	
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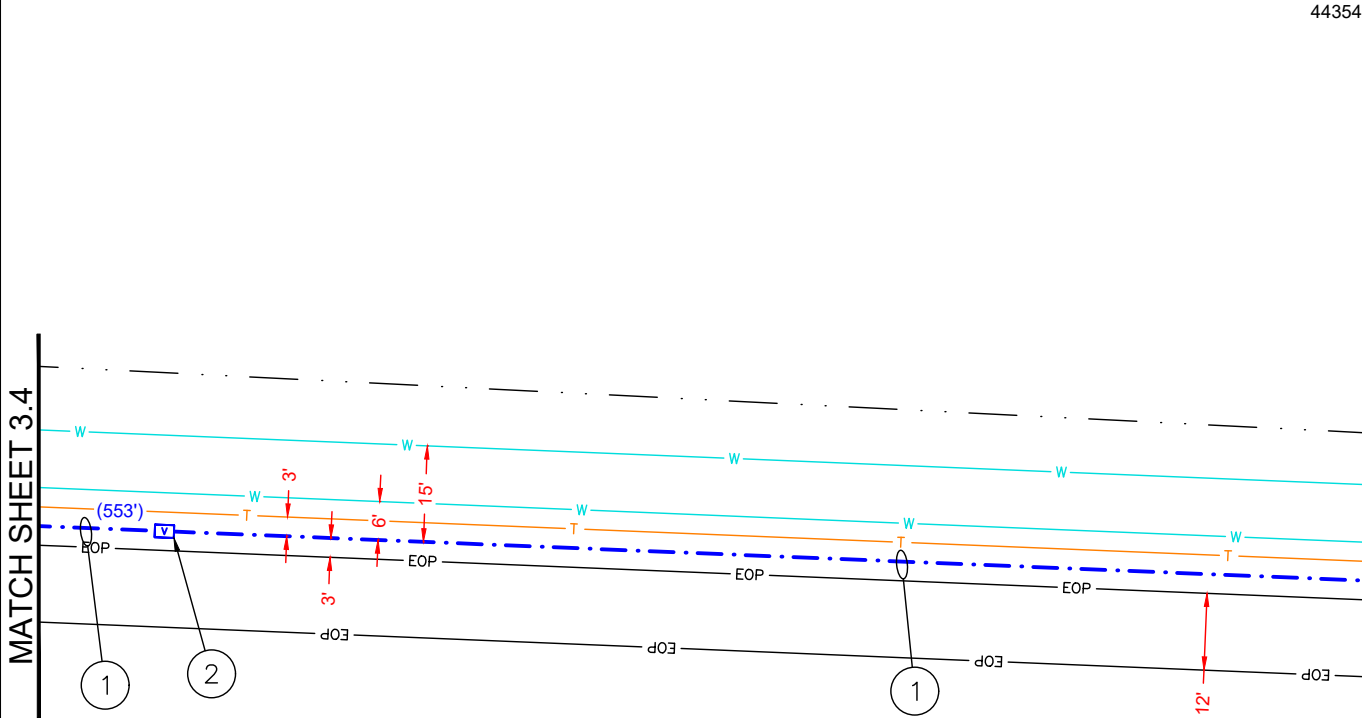
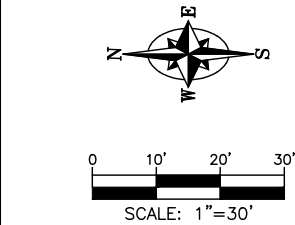
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SHEET

3.4

PROJECT ID
SN-49239

MATCH SHEET 3.4



MATCH SHEET 3.6

CONSTRUCTION NOTES

- 1 DIRECTIONAL DRILL A MIN. OF 24" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- 2 PL NEW 24X36X24 HANDHOLE
TERMINATE NEW CONDUIT IN HANDHOLE

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH
CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS

SANDERCOCK
44212 SE SANDERCOCK LN
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CONDUIT PLAN

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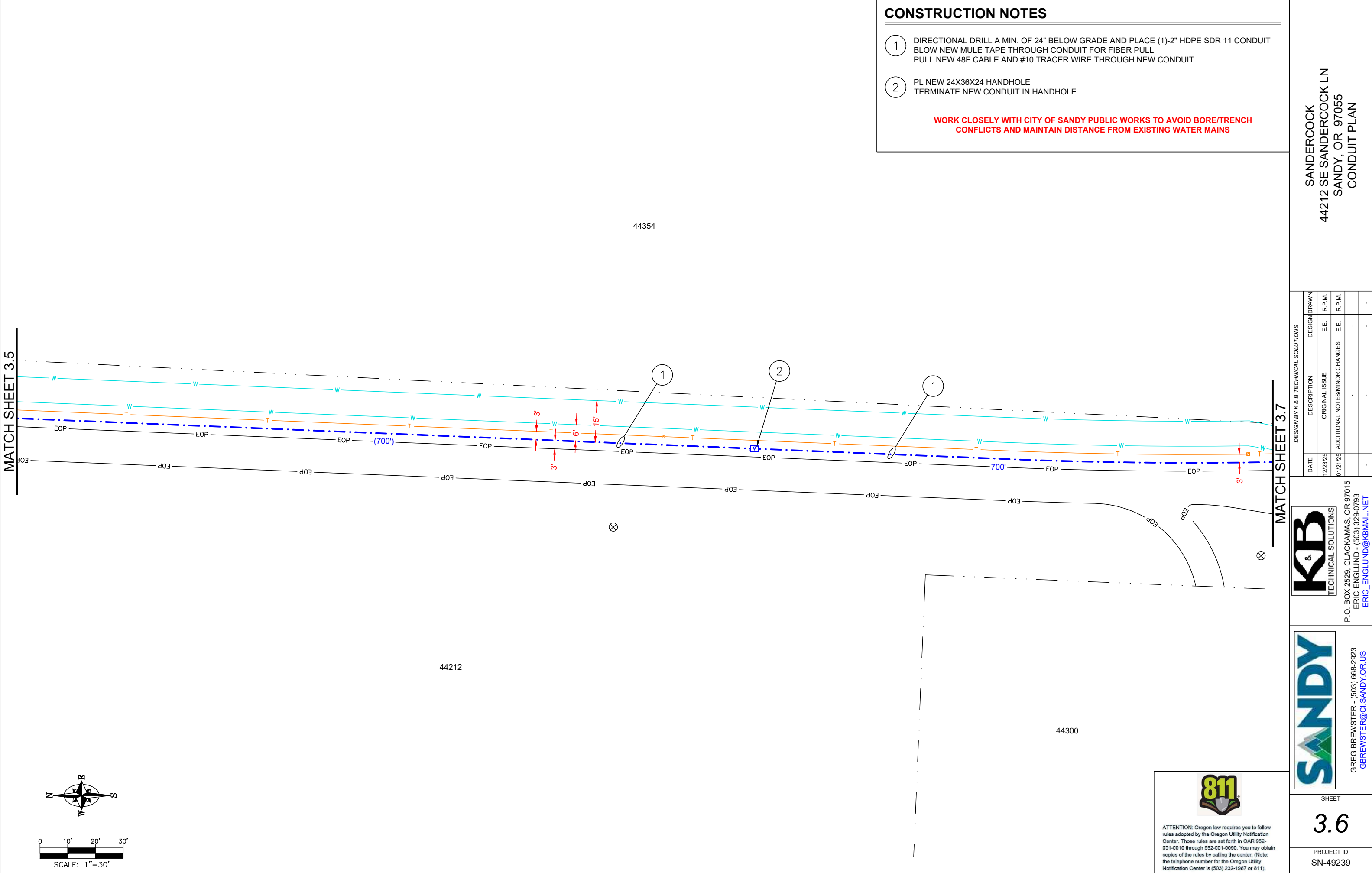
SHEET

3.5

PROJECT ID
SN-49239

MATCH SHEET 3.5

MATCH SHEET 3.7



CONSTRUCTION NOTES

1

DIRECTIONAL DRILL A MIN. OF 24" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT

2

PL NEW 24X36X24 HANDHOLE
TERMINATE NEW CONDUIT IN HANDHOLE

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH
CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN DRAWN	
12/23/25	ORIGINAL ISSUE	E.E.	R.P.M.
01/21/26	ADDITIONAL NOTES/ MINOR CHANGES	E.E.	R.P.M.
-	-	-	-
-	-	-	-

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

GREG BREWSTER - (503) 668-2923
GBREWSTER@CI.SANDY.ORG

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
3.6

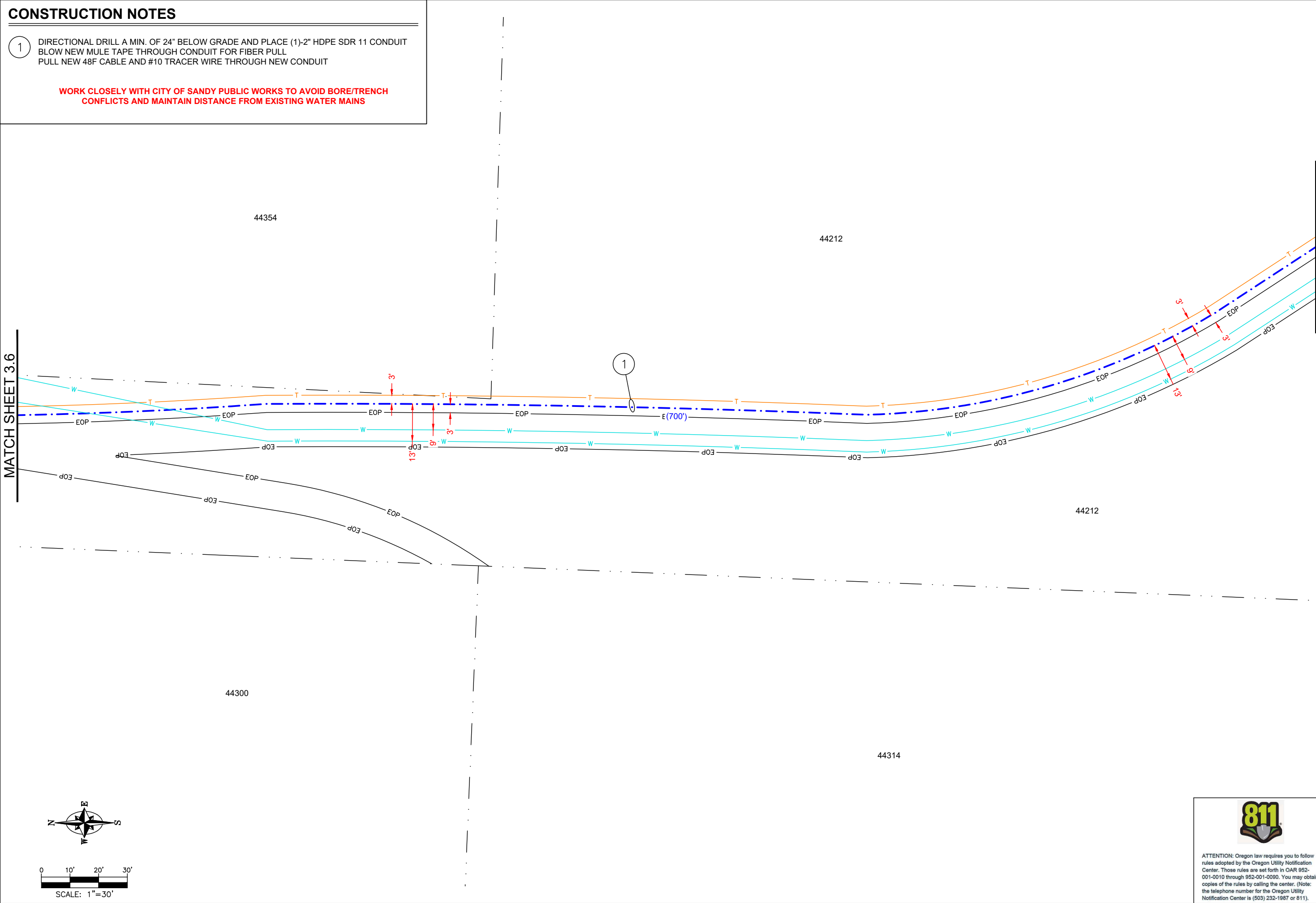
PROJECT ID
SN-49239

CONSTRUCTION NOTES

1

DIRECTIONAL DRILL A MIN. OF 24" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH
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44212 SE SANDERCOCK LN
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CONDUIT PLAN

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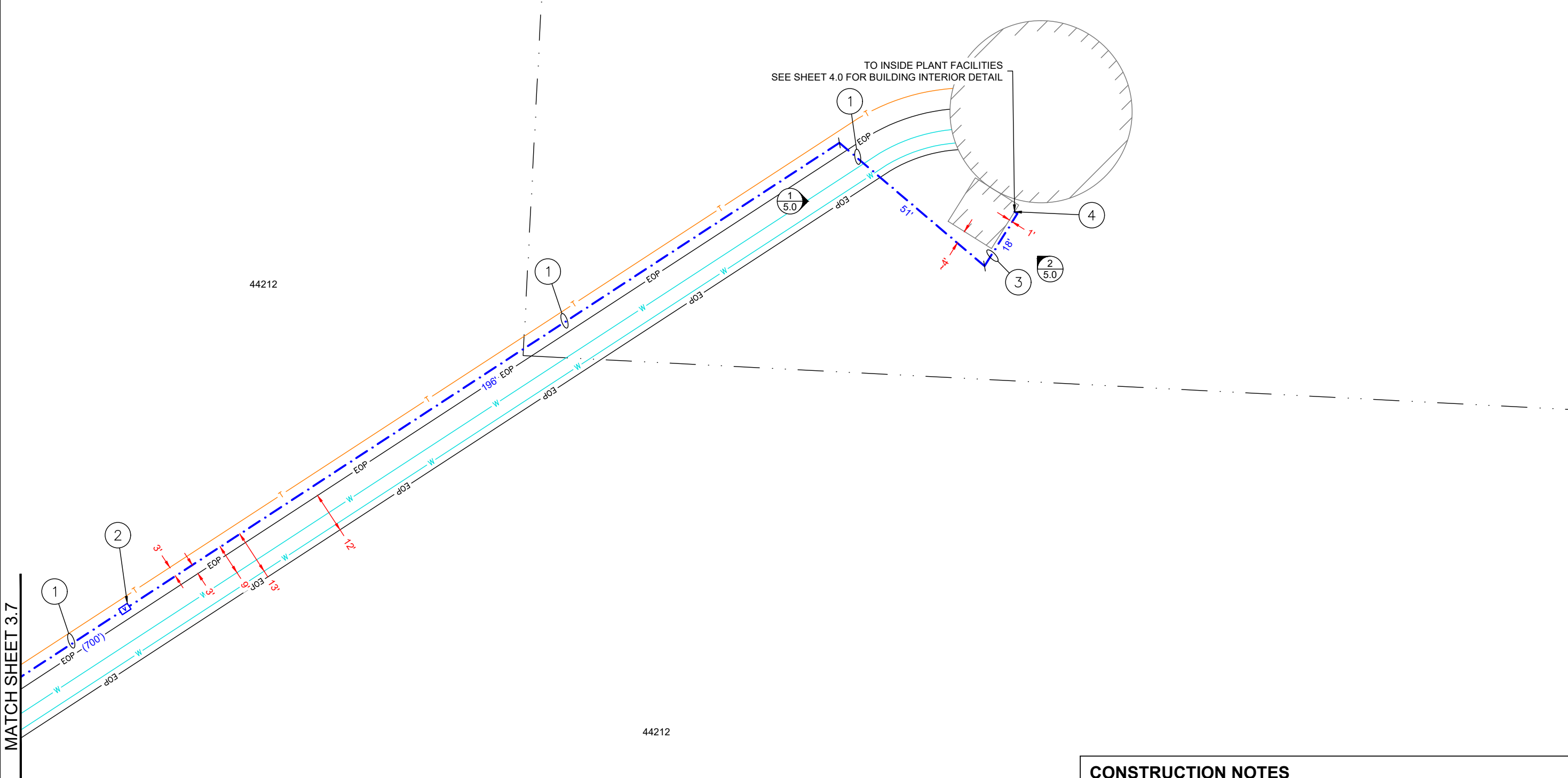
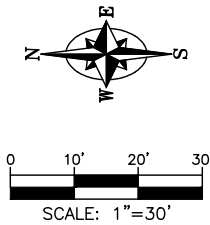
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SHEET
3.7

PROJECT ID
SN-49239

MATCH SHEET 3.7





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CONSTRUCTION NOTES

- 1

DIRECTIONAL DRILL A MIN. OF 24" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- 2

PL NEW 24X36X24 HANDHOLE
TERMINATE NEW CONDUIT IN HANDHOLE
- 3

TRENCH A MIN. OF 24" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- 4

CORE DRILL A (1)-2" PENETRATION IN EXTERIOR BUILDING WALL. PL NEW LB90,
WALL SLEEVE, NEW 48F CABLE, AND SEAL NEW PENETRATION

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH
CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS



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01/21/26	ADDITIONAL NOTES/MINOR CHANGES	E.E.	R.P.M.
-	-	-	-
-	-	-	-

SHEET

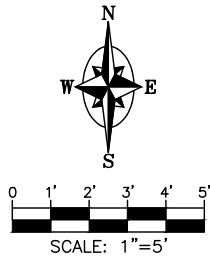
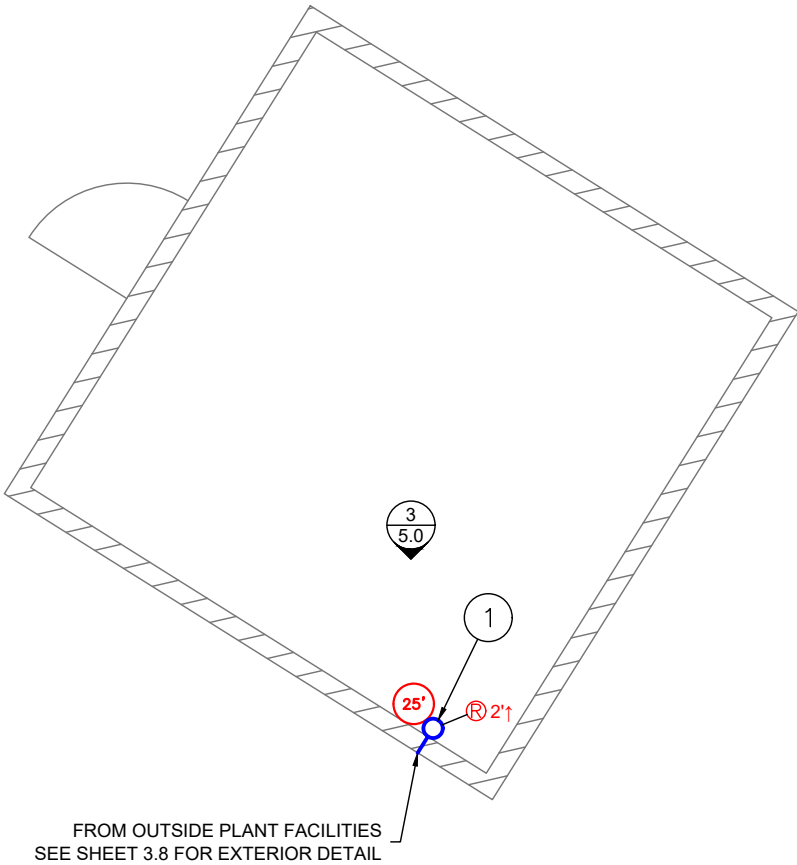
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PROJECT ID
SN-49239

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
CONDUIT PLAN

CONSTRUCTION NOTES

1 PL NEW BARE 48F CABLE



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-	-	-	-	-
-	-	-	-	-

SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
SITE DETAIL

SHEET

4.0

PROJECT ID
SN-49239

IMAGE DETAIL
LOOKING SOUTH

PIC # 1
SHEET 3.8



IMAGE DETAIL
LOOKING NORTHEAST

PIC # 2
SHEET 3.8

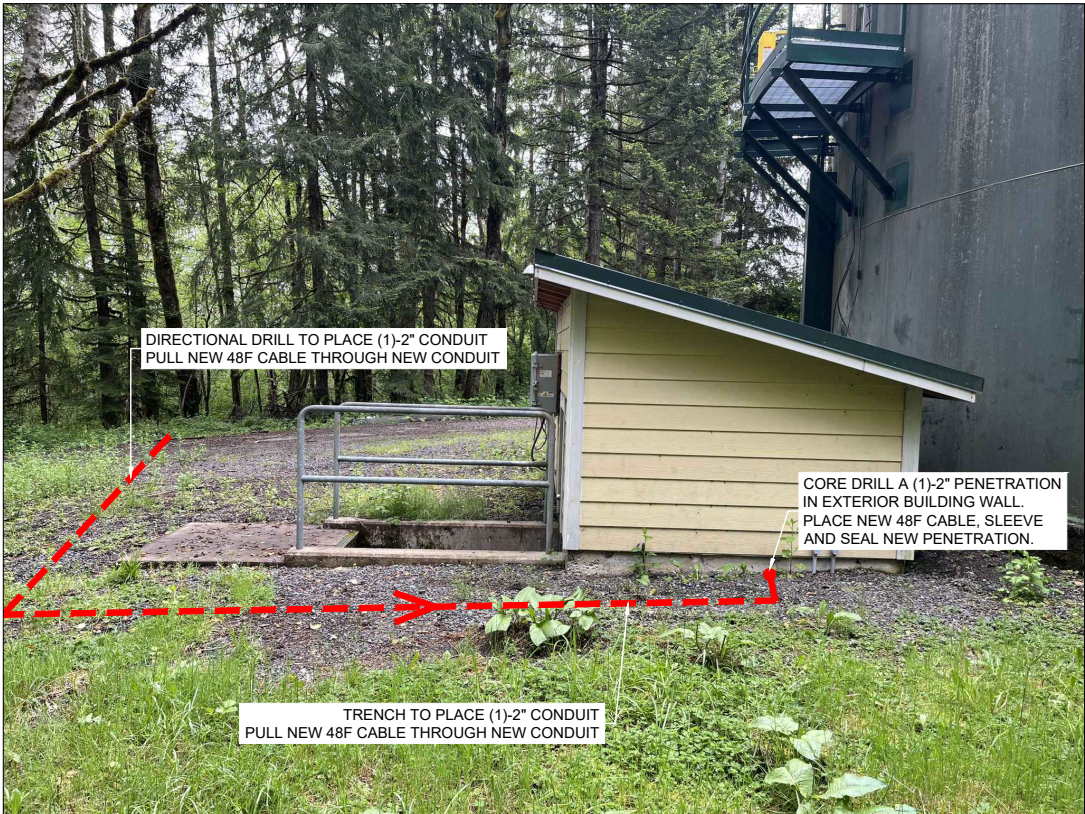
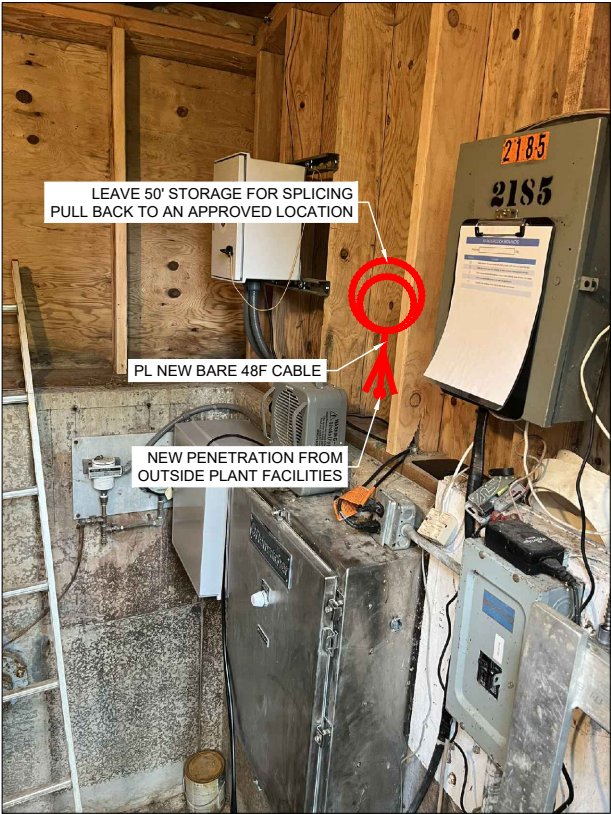


IMAGE DETAIL
LOOKING SOUTH

PIC # 3
SHEET 4.0



SANDERCOCK
44212 SE SANDERCOCK LN
SANDY, OR 97055
SITE PHOTOGRAPHS

DESIGN BY K & B TECHNICAL SOLUTIONS				
DATE	DESCRIPTION	DESIGN DRAWN		
		E.E.	R.P.M.	
12/23/25	ORIGINAL ISSUE	E.E.	R.P.M.	-
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TERRA FERN
51515 E TERRA FERN DR
SANDY, OR 97055

OWNER / APPLICANT

CITY OF SANDY
39250 PIONEER BLVD
SANDY, OR 97055
CONTACT: GREG BREWSTER
MOBILE: (503) 668-2923
E-MAIL: GBREWSTER@CI.SANDY.OR.US

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

PROJECT FOOTAGES & MATERIALS

AERIAL:	
OVERLASH	10 FT.
UNDERGROUND:	
(1)-2" PVC RISER	34 FT.
TRENCH (1)-2" PVC/HDPE CONDUIT	10 FT.
TRENCH (2)-2" PVC/HDPE CONDUIT	10 FT.
DIRECTIONAL DRILL (1)-2" PVC/HDPE CONDUIT	1,890 FT.
24"X36"X24" VAULT	2 EA.
PULL THROUGH NEW	1,954 FT.
BUILDING:	
PL NEW BARE 48F CABLE	3 FT.
CORE DRILL	1 EA.
(1)-2" EMT	4 FT.
FIBER:	
48F CABLE	2,071 FT.
48F STORAGE AERIAL	200 FT.
48F STORAGE UNDERGROUND	200 FT.
48F STORAGE BUILDING	50 FT.

SHEET INDEX

SHT	DESCRIPTION
1.0	COVER SHEET/VICINITY MAP
1.1	LEGEND
2.0	CABLE PLAN
3.0 - 3.4	CONDUIT PLAN
4.0	SITE DETAIL
5.0	SITE PHOTOGRAPHS

PERMITS

JOINT USE:	PGE 1 POLE
(2)-ODOT-2C: CLACKAMAS COUNTY:	RIGHT-OF-WAY; TRAFFIC CONTROL RIGHT-OF-WAY; TRAFFIC CONTROL



WORK CLOSELY WITH CITY OF SANDY
PUBLIC WORKS TO AVOID BORE/TRENCH
CONFLICTS AND MAINTAIN DISTANCE
FROM EXISTING WATER MAINS

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.

TERRA FERN
51515 E TERRA FERN DR
SANDY, OR 97055
COVER SHEET / VICINITY MAP

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN DRAWN	R.P.M.	R.P.M.	R.P.M.
DATE	DESCRIPTION	ORIGINAL ISSUE	E.E.	E.E.	E.E.
12/23/24					
01/21/25		ADDITIONAL NOTES MINOR CHANGES			

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SHEET

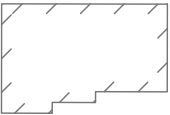
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PROJECT ID
SN-49240

LINETYPES

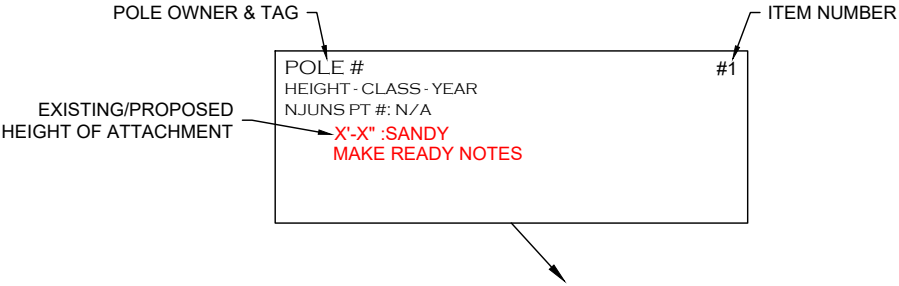
EXISTING STRAND	
PROPOSED STRAND	
EXISTING FIBER	
PROPOSED FIBER	
FIBER EXTENSION	
EXISTING CONDUIT	
PROPOSED CONDUIT/EMT	
EXISTING FLEX DUCT	
PROPOSED FLEX DUCT	
RIGHT-OF-WAY	
PUBLIC UTILITY EASEMENT	
EASEMENT	
PROPERTY	
CENTERLINE	
FACE OF CURB	
EDGE OF PAVEMENT	
EDGE OF CONCRETE	
EDGE OF GRAVEL	
EDGE 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		

TERRA FERN
51515 E TERRA FERN DR
SANDY, OR 97055
LEGEND

DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN DRAWN	
12/23/24	ORIGINAL ISSUE	E.E.	R.P.M.
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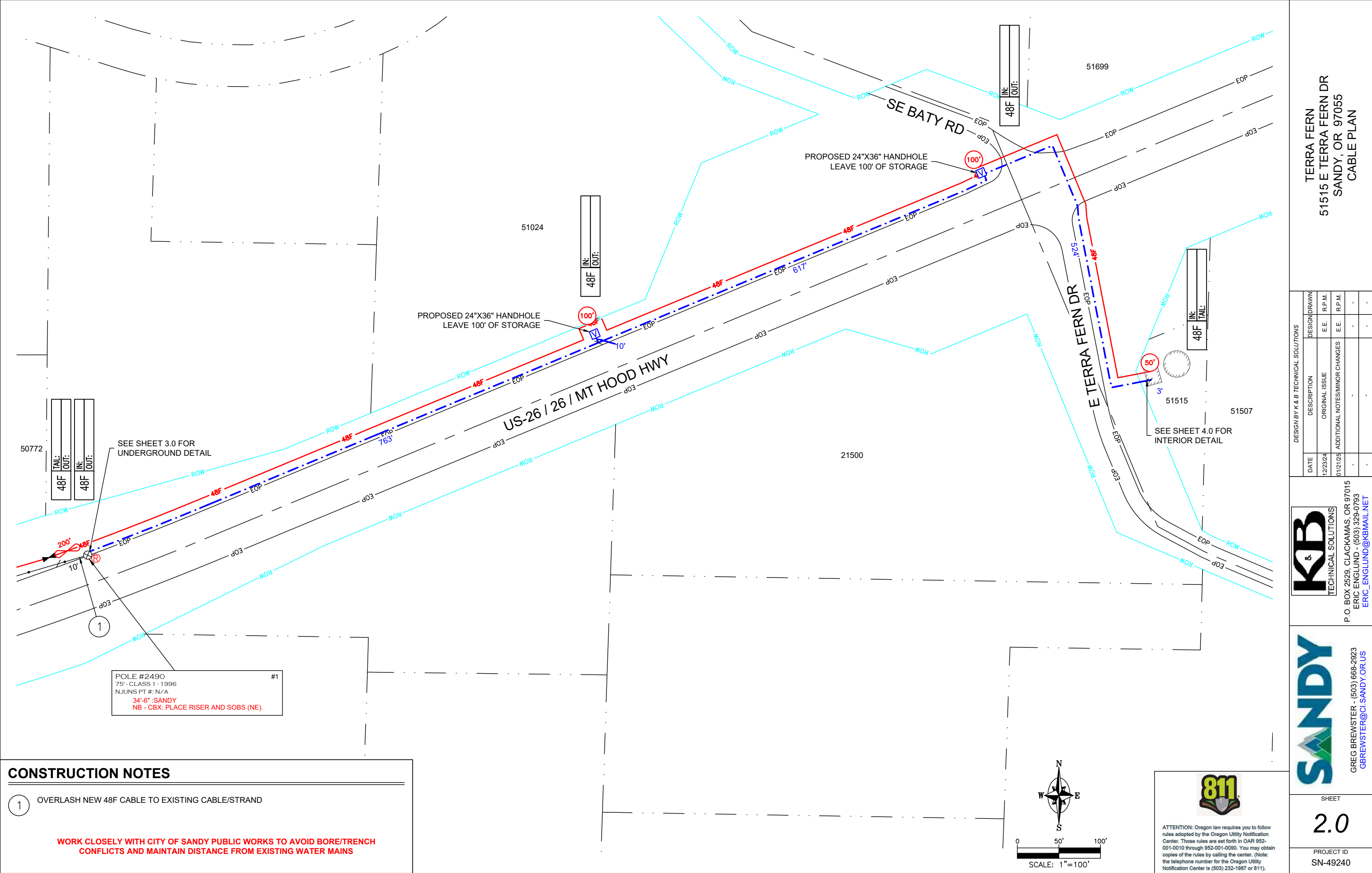


GREG BREWSTER - (503) 668-2923
GBREWSTER@CI.SANDY.OR.US

SHEET

1.1

PROJECT ID
SN-49240



CONSTRUCTION NOTES

- 1 OVERLASH NEW 48F CABLE TO EXISTING CABLE/STRAND

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS

TERRA FERN
51515 E TERRA FERN DR
SANDY, OR 97055
CABLE PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS			
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SHEET

2.0

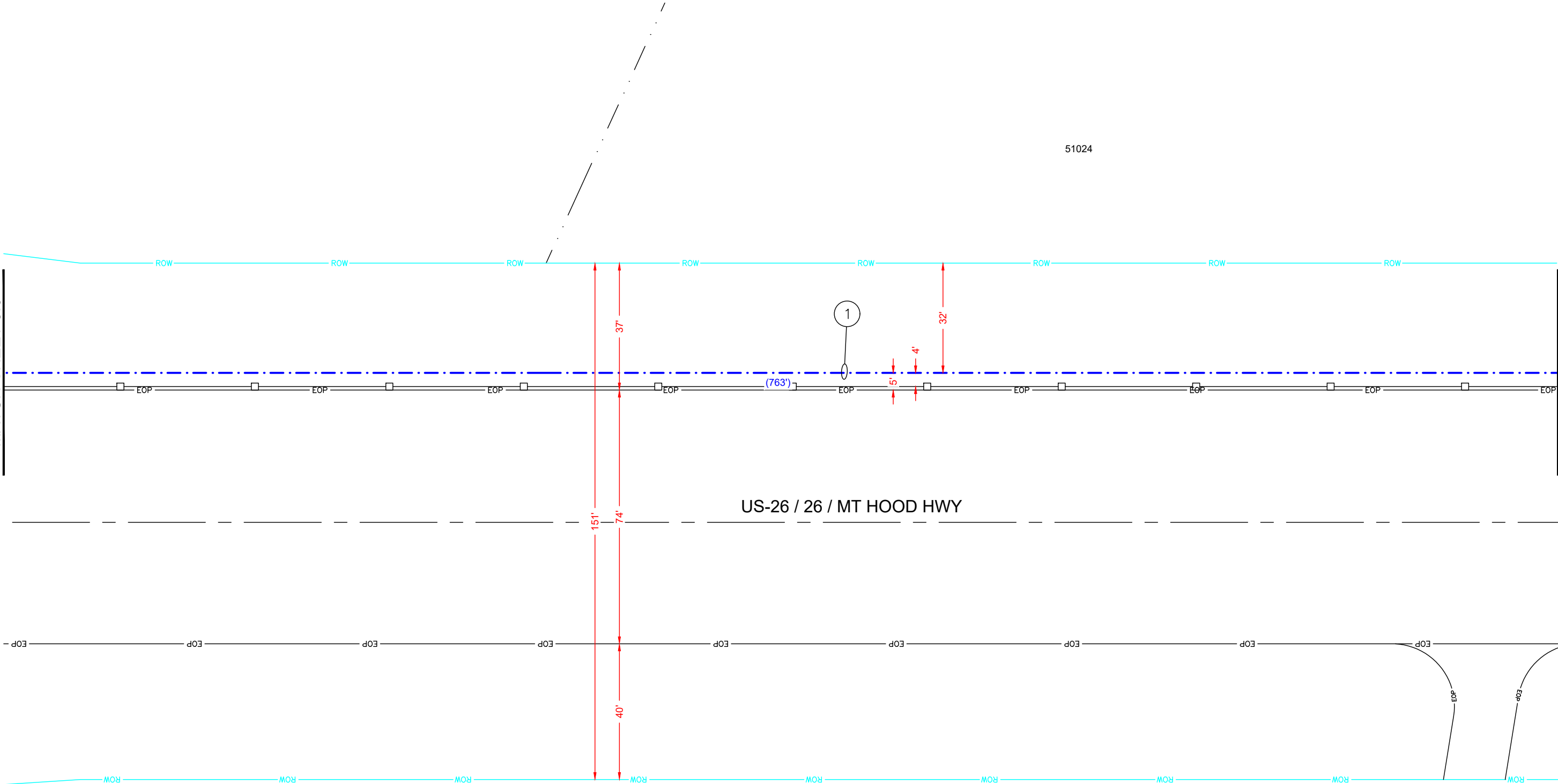
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MATCH SHEET 3.0

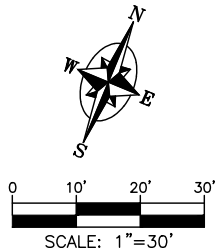
MATCH SHEET 3.2



CONSTRUCTION NOTES

- DIRECTIONAL DRILL A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS



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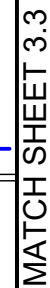
TERRA FERN
51515 E TERRA FERN DR
SANDY, OR 97055
CONDUIT PLAN

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SHEET

3.1

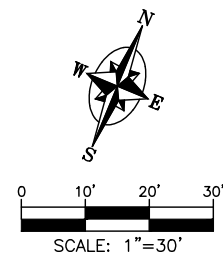
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BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
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TERMINATE NEW CONDUIT IN HANDHOLE

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS



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51515 E TERRA FERN DR
SANDY, OR 97055
CONDUIT PLAN

SHEET

3.2

PROJECT ID
SN-49240

MATCH SHEET 3.2

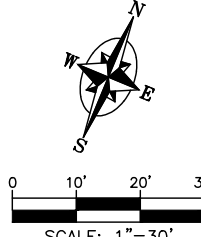
CONSTRUCTION NOTES

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TERMINATE NEW CONDUIT IN HANDHOLE

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS

21500

MATCH SHEET 3.4



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DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN	DRAWN
2/23/24	ORIGINAL ISSUE	E.E.	R.P.M.
2/21/25	ADDITIONAL NOTES/MINOR CHANGES	E.E.	R.P.M.
*	*	*	*



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ERIC_ENGLUND@KQMAIL.NET



REG BREWSTER - (503) 668-2923
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TERRA FERN
51515 E TERRA FERN DR
SANDY, OR 97055
CONDUIT PLAN

SHEET

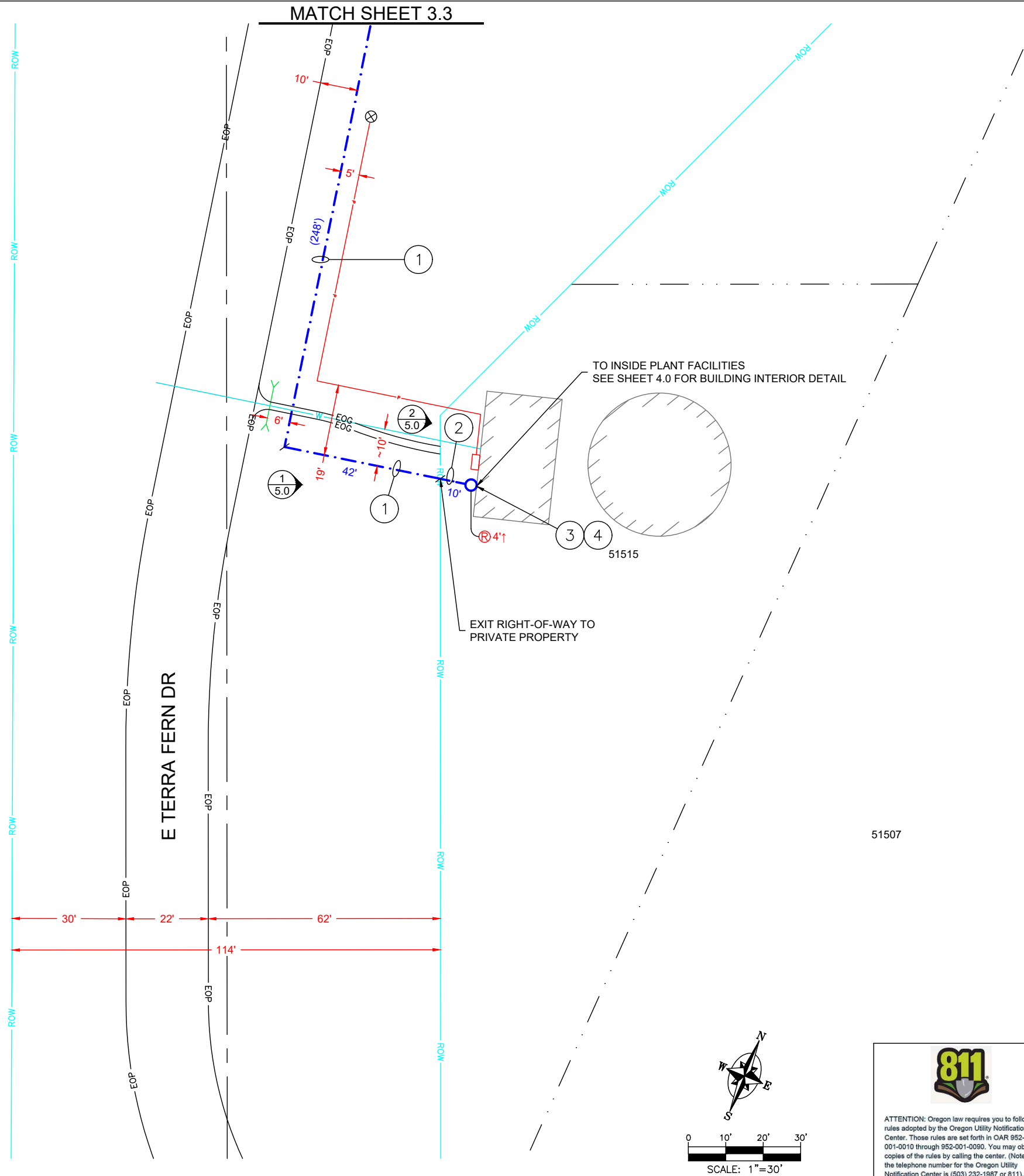
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PROJECT ID:
CNL 10040

CONSTRUCTION NOTES

- 1 DIRECTIONAL DRILL A MIN. OF 36" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- 2 DIRECTIONAL DRILL A MIN. OF 24" BELOW GRADE AND PLACE (1)-2" HDPE SDR 11 CONDUIT
BLOW NEW MULE TAPE THROUGH CONDUIT FOR FIBER PULL
PULL NEW 48F CABLE AND #10 TRACER WIRE THROUGH NEW CONDUIT
- 3 PL NEW (1)-2" EMT
PULL NEW 48F CABLE THROUGH NEW EMT
- 4 CORE DRILL A (1)-2" PENETRATION IN EXTERIOR BUILDING WALL.
PLACE NEW 48F CABLE, SLEEVE AND SEAL NEW PENETRATION.

WORK CLOSELY WITH CITY OF SANDY PUBLIC WORKS TO AVOID BORE/TRENCH CONFLICTS AND MAINTAIN DISTANCE FROM EXISTING WATER MAINS



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).

TERRA FERN
51515 E TERRA FERN DR
SANDY, OR 97055
CONDUIT PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN	DRAWN
12/23/24	ORIGINAL ISSUE	E.E.	R.P.M.
01/21/25	ADDITIONAL NOTES/MINOR CHANGES	E.E.	R.P.M.
-	-	-	-
-	-	-	-



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GREG BREWSTER - (503) 668-2923
GBREWSTER@CI.SANDY.OR.US

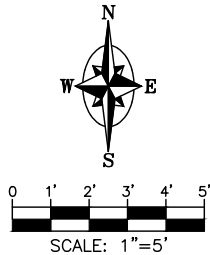
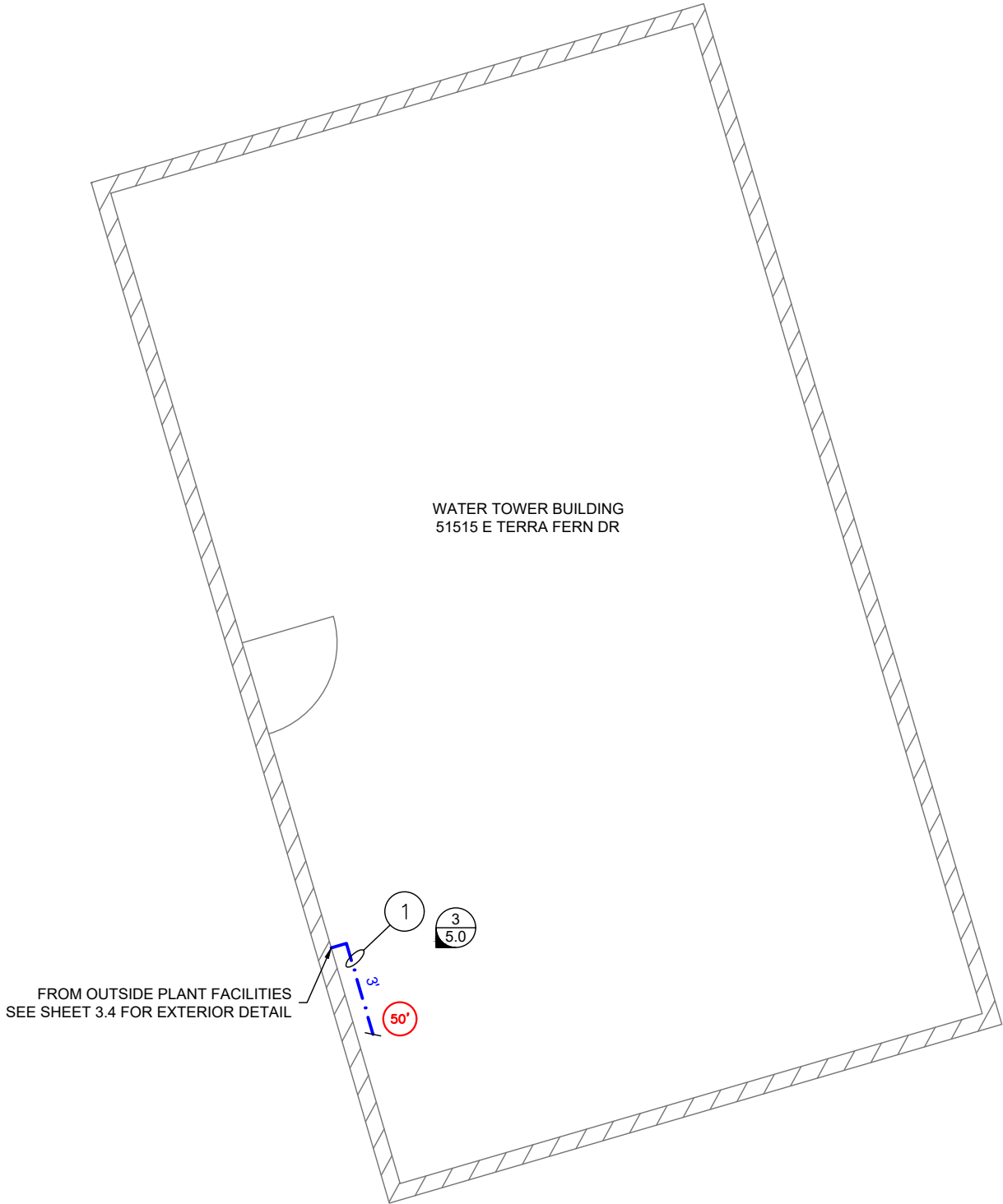
SHEET

3.4

PROJECT ID
SN-49240

CONSTRUCTION NOTES

1 PL NEW BARE 96F CABLE



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TERRA FERN
51515 E TERRA FERN DR
SANDY, OR 97055
SITE DETAIL

DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN	DRAWN
12/23/24	ORIGINAL ISSUE	E.E.	R.P.M.
01/21/25	ADDITIONAL NOTES/MINOR CHANGES	E.E.	R.P.M.
-	-	-	-
-	-	-	-



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SHEET

4.0

PROJECT ID
SN-49240

IMAGE DETAIL
LOOKING EAST

PIC # 1
SHEET 3.4



IMAGE DETAIL
LOOKING EAST

PIC # 2
SHEET 3.4

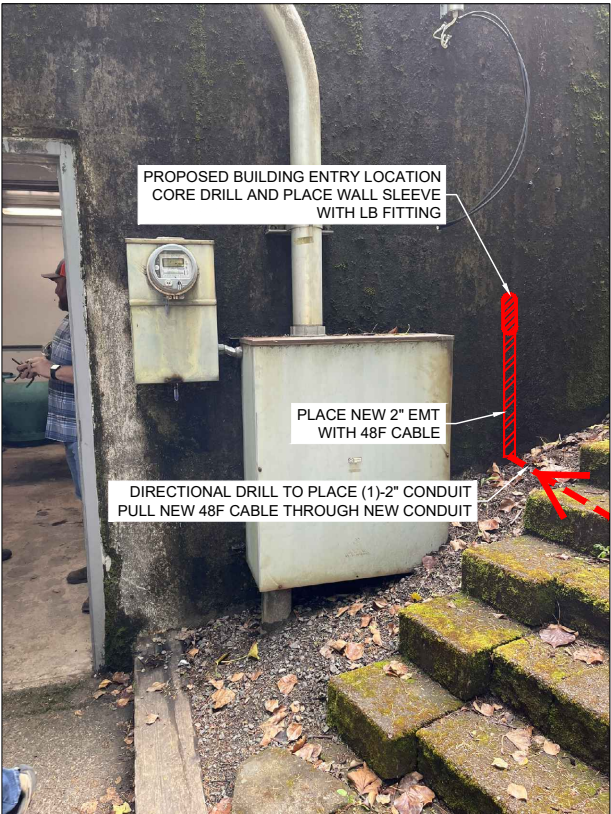


IMAGE DETAIL
LOOKING SOUTHWEST

PIC # 3
SHEET 4.0



TERRA FERN
51515 E TERRA FERN DR
SANDY, OR 97055
SITE PHOTOGRAPHS

DESIGN BY K & B TECHNICAL SOLUTIONS			
DATE	DESCRIPTION	DESIGN DRAWN	
12/23/24	ORIGINAL ISSUE	E.E.	R.P.M.
01/21/25	ADDITIONAL NOTES/MINOR CHANGES	E.E.	R.P.M.
-	-	-	-
-	-	-	-



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SHEET
5.0

PROJECT ID
SN-49240