

SUBJECT: APPROVAL OF UTILITY RELOCATION COSTS OF \$194,560.55 AND TO EXTEND THE COMPLETION DATE TO OCTOBER 31, 2026, TO MTA COMMUNICATIONS, LLC, FOR THE FERN STREET UPGRADE AND PATHWAY PROJECT IN THE CITY OF WASILLA.

AGENDA OF: October 21, 2025

ASSEMBLY ACTION:

AGENDA ACTION REQUESTED: Present to the Assembly for consideration.

Route To:	Signature
Originator	9 / 2 4 / 2 0 2 5 X T h a a d W a g n e r S i g n e d b y : T h a a d W a g n e r
Project Management Division Manager	9 / 2 4 / 2 0 2 5 X C o l e B r a n h a m S i g n e d b y : C o l e B r a n h a m
Public Works Director	9 / 2 5 / 2 0 2 5 X T o m A d a m s , P E S i g n e d b y : T o m A d a m s
Purchasing Director	9 / 2 6 / 2 0 2 5 X R K r a f f t S i g n e d b y : R u s s K r a f f t
Finance Director	9 / 2 6 / 2 0 2 5 X L y n d s e y B r i s a r d S i g n e d b y : L y n d s e y B r i s a r d
Borough Attorney	9 / 2 6 / 2 0 2 5 X N i c h o l a s S p i r o p o u l o s S i g n e d b y : N i c h o l a s S p i r o p o u l o s
Borough Manager	9 / 2 6 / 2 0 2 5 X M i c h a e l B r o w n S i g n e d b y : M i c h a e l B r o w n
Borough Clerk	9 / 2 9 / 2 0 2 5 X B r e n d a J . H e n r y f o r S i g n e d b y : B r e n d a H e n r y

ATTACHMENT (S) : Cost Estimate (4 pp)
Construction Plans (14 pp)

SUMMARY STATEMENT: The Fern Street Upgrade and Pathway project, Project No. 35472-1817, is part of the Transportation Infrastructure Program 2021 (TIP21), approved as Proposition 1 by MSB voters in November 2021. The purpose of the project is to upgrade existing portions of Fern Street to MSB Standards, including grading, drainage, surfacing and installing a pathway.

As part of the design process, utilities were requested to review the project design to determine if there are conflicts with their utilities. A purchase order (PO) was prepared for each utility for preliminary engineering with a reimbursable amount of up to \$5,000. If conflicts that cannot be worked around are identified, utility relocation is required before construction. Utility Relocation for this project is planned for the summer of 2026.

A cost estimate for reimbursable work (on a time and materials basis) was received from MTA Communications, LLC (MTA) for the relocation of telecom utilities in the amount of \$194,560.55. The new total of the MTA PO will be \$199,560.55 (\$5,000 + \$194,560.55). MSB 3.08.161 requires Assembly approval of any contract award over \$100,000.

The Administration requests approval for utility relocation costs of \$194,560.55 to MTA for the Fern Street Upgrade and Pathway Project, and extension of the completion date to October 31, 2026.

The Administration requests authority to extend this contract up to 90 days for unforeseen circumstances.

RECOMMENDATION OF ADMINISTRATION: Approve utility relocation cost of \$194,560.55 to MTA for the Fern Street Upgrade and Pathway Project in the City of Wasilla, extend the completion date to October 31, 2026, and approve authority to extend the time of performance up to 90 days.

MATANUSKA-SUSITNA BOROUGH

FISCAL NOTE

Agenda Date: October 21, 2025

SUBJECT: APPROVAL OF UTILITY RELOCATION COSTS OF \$194,560.55 AND TO EXTEND THE COMPLETION DATE TO OCTOBER 31, 2026, TO MTA COMMUNICATIONS, LLC, FOR THE FERN STREET UPGRADE AND PATHWAY PROJECT IN THE CITY OF WASILLA.

FISCAL ACTION (TO BE COMPLETED BY FINANCE)	FISCAL IMPACT YES NO
AMOUNT REQUESTED \$194,560.55	FUNDING SOURCE Roads & Bridges Cap Projects
FROM ACCOUNT # 430.000.000 4XX.XXX	PROJECT # 35472
TO ACCOUNT:	PROJECT #
VERIFIED BY: 9 / 2 6 / 2 0 2 5 X M e r i s s a C a r r e l l Signed by: M e r i s s a C a r r e l l	

EXPENDITURES/REVENUES:

(Thousands of Dollars)

OPERATING	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
Personnel Services						
Travel						
Contractual						
Supplies						
Equipment						
Land/Structures						
Grants, Claims						
Miscellaneous						
TOTAL OPERATING						

CAPITAL		194.6				
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REVENUE						
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FUNDING:

(Thousands of Dollars)

General Fund						
State/Federal Funds						
Other		194.6				
TOTAL		194.6				

POSITIONS:

Full-Time						
Part-Time						
Temporary						

ANALYSIS: (Attach a separate page if necessary)

APPROVED BY:	9 / 2 6 / 2 0 2 5
	X L y n d s e y B r i s a r d Signed by: L y n d s e y B r i s a r d

OSP Work Order Cover Sheet



Work Order #:	34385	Service Order #:	N/A	Eng:	dblehm
Project Description:	MSB Relocate MSB FERN ST RELO			CLLI:	FERN
*Purpose:				Bud#	345 - Relocate
MSB FERN ST. RELO. This work order will relocate MTA Facilities in conflict with MSB Project # 35472-1817 2021 TRANSPORTATION INFRASTRUCTURE PROGRAM FERN STREET UPGRADES AND PATHWAY				Exch:	376 - Wasilla
				Acct. Code:	2423.20 BCU-Buried Copper
				Competitive CLLI? Y/N	Y

Work Order Tracking					
OSP Engineer	09/22/25	DDB	To ROW	___/___/___	___
OSP Ntwrk Engr	___/___/___		Out of ROW	___/___/___	___
OSP Eng Supv/Frm	___/___/___		Permit Req'd (Y/N)	___	___
DIR E&C	9/23/25	CRB	Verbal (Y/N)	___	___
VP of OEC *	___/___/___		Time	___	___
*(over \$200K Unidentified or 10% over Identified)			Date	___/___/___	___
Final	Is WO Identified?	AGENCY	SPL Comp	___/___/___	___
	0	Per ___ Initials	SPL Rem Comp	___/___/___	___
			F/O SPL Comp	___/___/___	___

Template: DOL Rate OVER \$25K

Original		Estimate Summary	Hours	Dollars	Engineering
Change Orders:		Engineering - Preliminary Design	54.11	9,599.01	Contract Bid
Number / Date / Initial		Engineering - Construction	16.23	2,879.70	
/ /		Engineering - Posting Asbuilt redlines	10.82	1,919.80	
/ /		Survey Prep	0.00	0.00	
/ /		Survey Design - Crew	0.00	0.00	
/ /		Survey Construction - Crew	0.00	0.00	Placing
/ /		Inspector	0.00	0.00	Contract Bid
/ /		Placing	305.09	61,548.24	
/ /		Mobilization & Staging - Placing	0.00	0.00	
/ /		Splicing	236.04	48,286.19	Splicing
Cable Information		Mobilization & Staging - Splicing	0.00	0.00	Contract Bid
Estimated Footage:		ROW Permits/Easements/Fees		0.00	
Copper Footage	0	ROW Labor	0.00	0.00	
Fiber Footage	0	Materials		23,313.44	
Actual Footage:		Material Overhead		1,403.47	
Copper Footage	0	Boring - Contractor	Footage	597	45,610.70
Fiber Footage	0	Clearing - Contractor	Footage	0	0.00
Retired Route Footage:		SWPPP		0.00	
Copper Footage	0	Landscaping	Footage	0	0.00
Fiber Footage	0	Perdiem/Lodging/Meals/Mileage		0.00	
New Route Footage:		Other		0.00	
Copper Footage	0	Aid to Construction		0.00	
Fiber Footage	0				
			Material + Overhead:	\$ 24,716.91	
			Labor Sub Total:	\$ 124,232.94	ROM or
			Other Sub Total:	\$ 45,610.70	Est. Budget
			TOTAL Work Order:	\$ 194,560.55	\$0.00

Notes:	
VDSL Nodes:	Total Estimated:
Total Lots:	0
Total Structures:	0
Lots-passed w/Innerduct:	0
Loops >10 KFT Before Cutover:	0
Fiber Builds:	Total Estimated:
Total Lots:	0
FDH being placed? Y or N	0
VDSL Nodes:	Total Estimated:
Loops > 6.5 KFT Before Cutover:	0
Loops < 6.5 KFT After Cutover:	0
Loops > 4 KFT Before Cutover:	0
Loops < 4 KFT After Cutover:	0
Fiber Builds:	Total Estimated:
Total Structures - FTTB:	0
Total Structures - FTTH:	0

Notes:

MSB FERN ST. RELO. This work order is replacing both copper and fiber facilities in conflict with the MSB road project # 35472-1817 2021, impacted major facilities.

Copper facilities – Replacing 1,506' of BFC400 and 894' of BFC 200 with a single 1,550' BFC 400/UFC 400.

Conduit facilities – Replacing 1,467' of BM 92-1.25" & 1,467' of BM 92-12mm duct each with existing fiber Cables.

Fiber facilities – Replacing 2,522' of UFO 24 & 2,746' of UFO 72 with a 2,740' UFO 288 @ a 67% betterment for fiber.

Relocate Summary Report

WO#:		34385	 Employee Name:					Matanuska Telephone Association				
Exch:		376 - Wasilla			Employee #:				Relocate - Summary Report			
CLLI:		FERN			Expected Pickup Date:							
Name:		MSB Relocate MSB FERN ST RELO										
IM #	Qty	Unit	DESCRIPTION	Comments	DEPT	Material Cost	DB Labor Hours	Replacement in Kind - Materials	Replacement in Kind - LABOR	Betterment - Materials	Betterment - LABOR	
0	40	BM 60 (2ea 1.25)	BORED Duct Plastic, 1.25" x 2		Contract	2,128.00	0	\$2,128.00	\$0.00			
0	182	BM 60 (3.5)	BORED Duct Plastic, 3.5", (4" O.D.)		Contract	11,120.20	0	\$11,120.20	\$0.00			
0	375	BM 60 (5.3)	BORED Duct Plastic, 5.3", (6" O.D.)		Contract	32,362.50	0	\$32,362.50	\$0.00			
0		Engineering Hours			Eng		81.17	\$0.00	\$81.17			
0		Surveying Hours			Eng		0.00	\$0.00	\$0.00			
0		Placing Mobilization &			PLC		0.00	\$0.00	\$0.00			
0		Splicing Mobilization &			SPL	-	0.00	\$0.00	\$0.00			
1601	4	BA 22	POSTWOODRECT3.5x4.5IN x 8FT		PLC	141.60	\$ 464.00	\$141.60	\$464.00			
23995	4	BD-5 AH	PEDESTAL,CABLE,CAD12,GLV ST (MAX 900PR)		PLC	717.60	\$ 2,784.01	\$717.60	\$2,784.01			
16864	151	BFC 25-24T	CABLE 25-24TRENCH		PLC	161.57	\$ 2,101.93	\$161.57	\$2,101.93			
17187	1113	BFC 400-24T	CABLE 400-24 TRENCH		PLC	9,237.90	\$ 18,075.20	\$9,237.90	\$18,075.20			
16984	180	BFC 50-24T	CABLE 50-24 TRENCH		PLC	340.20	\$ 2,505.61	\$340.20	\$2,505.61			
22595	1	BHF-2 KIT	HANDHOLE3FTx4FTx36IN, steel plate cover & knockouts w/accessories		PLC	675.01	\$ 1,856.01	\$675.01	\$1,856.01			
1601	1	BHF2K Includes BA 22	POST, WOOD, RECT, 3.5x4.5IN x 8FT		PLC	35.40	\$ 116.00	\$35.40	\$116.00			
16008	1	BHF2K Includes BM 11	MARKER,PEDESTAL,YLW,4FT,CLAMPS		PLC	12.07	\$ 69.60	\$12.07	\$69.60			
1610	1	BHF2K Includes BM 2 5/8	ROD,GROUND,5/8IN x 8FT,BLACK-		PLC	22.43	\$ 116.00	\$22.43	\$116.00			
8251	1	BHF2K Includes BM 53-1	SIGN WARNING F/O BURIED CABLE		PLC	21.50	\$ 69.60	\$21.50	\$69.60			
1894	1	BHF2K Includes blank	SIGN, BLANK, YELLOW, 4 Holes		PLC	6.21	\$ 46.40	\$6.21	\$46.40			
17096	10	BHF2K Includes BM 92-	INNERDUCT,1.25IN,BLK/ORG STRIP		PLC	5.50	\$ 139.20	\$5.50	\$139.20			
16008	4	BM 11	MARKER,PEDESTAL,YLW,4FT,CLAMPS		PLC	48.28	\$ 278.40	\$48.28	\$278.40			
1610	4	BM 2 5/8	ROD,GROUND,5/8IN x 8FT,BLACK-		PLC	89.72	\$ 464.00	\$89.72	\$464.00			
0	1	BM 40SIP - KIT	FO LOCATE ASSEMBLY - Placing Units		PLC	-	\$ -	\$0.00	\$0.00			
1601	1	BM40SIPKPLC Includes	POST, WOOD, RECT, 3.5x4.5IN x 8FT		PLC	35.40	\$ 116.00	\$35.40	\$116.00			
16008	1	BM40SIPKPLC IIncludes	MARKER,PEDESTAL,YLW,4FT,CLAMPS		PLC	12.07	\$ 69.60	\$12.07	\$69.60			
1610	1	BM40SIPKPLC IIncludes	ROD,GROUND,5/8IN x 8FT,BLACK-		PLC	22.43	\$ 116.00	\$22.43	\$116.00			
8251	1	BM40SIPKPLC IIncludes	SIGN WARNING F/O BURIED CABLE		PLC	21.50	\$ 69.60	\$21.50	\$69.60			
1894	1	BM40SIPKPLC IIncludes	SIGN, BLANK, YELLOW, 4 Holes		PLC	6.21	\$ 46.40	\$6.21	\$46.40			
17096	20	BM40SIPKPLC IIncludes	INNERDUCT,1.25IN,BLK/ORG STRIP		PLC	11.00	\$ 278.40	11	278.4012			
0	60	BM 70	Compacted Road/Driveway Crossing added to trenching cost		PLC	-	\$ 4,639.56	\$0.00	\$4,639.56			
17096	2765	BM 92-1.25D	INNERDUCT,1.25IN,BLK/ORG STRIPE	*B* 7%	PLC	1,520.75	\$ 3,207.41	\$1,414.30	\$2,982.89	\$106.45	\$224.52	
17096	433	BM 92-1.25T	INNERDUCT,1.25IN,BLK/ORG STRIP	*B* 40%	PLC	238.15	\$ 6,027.39	\$142.89	\$3,616.43	\$95.26	\$2,410.95	
17096	1092	UD1-1.25-V	1X1.25 INNERDUCT IN CONDUIT	*B* 18%	PLC	600.60	\$ 5,066.90	\$492.49	\$4,154.86	\$108.11	\$912.04	
16864	105	UFC 25-24	CABLE 25-24 Underground, in Conduit		PLC	112.35	\$ 121.80	\$112.35	\$121.80			
17187	437	UFC 400-24	CABLE 400-24 Underground, in Conduit		PLC	3,627.10	\$ 1,013.84	\$3,627.10	\$1,013.84			
16984	77	UFC 50-24	CABLE 50-24 Underground, in Conduit		PLC	145.53	\$ 89.32	\$145.53	\$89.32			
27088	2740	UFO 288SRS	CABLE F/O 288 RIBBON, Spider Ribbon-Shielded, Underground in Conduit *Labor rate is for Blowing Fiber	*B* UP FROM 96 TO 288 FOC, 67%	PLC	5,069.00	\$ 6,356.83	\$1,672.77	\$2,097.75	\$3,396.23	\$4,259.07	
0	2	WBD C	PEDESTAL REARRANGEMENT		PLC	-	\$ 348.00	\$0.00	\$348.00			
0	85	WBFC	LOWER BURIED FILLED CABLE		PLC	-	\$ 1,183.21	\$0.00	\$1,183.21			
0	1	WBH	HANDHOLE REARRANGEMENT		PLC	-	\$ 1,160.01	\$0.00	\$1,160.01			
0	1	XBA	REMOVE STUB POLE		PLC	-	\$ 116.00	\$0.00	\$116.00			
0	2	XBD	REMOVE PEDESTAL (3 4 OR 5)		PLC	-	\$ 232.00	\$0.00	\$232.00			
0	1	XBD-7	REMOVE CABINET		PLC	-	\$ 348.00	\$0.00	\$348.00			
0	2952	XBM 92-1.25	ABANDON DUCT, 1.25"	1,467' OF BM 92-1.25" & 1,467' OF BM 92-12MM	PLC	-	\$ -					
0	2,522	XUO-24	UG 24 F/O CABLE REMOVAL		PLC	-	\$ -					
0	2,746	XUO-72	UG 72 F/O CABLE REMOVAL		PLC	-	\$ -					
0	1	ZBH	SALVAGE HANDHOLE		PLC	-	\$ 1,856.01	\$0.00	\$1,856.01			
0	13	BM 2C	EXISTING PED NEW CA BONDING		SPL	-	\$ 917.50	\$0.00	\$917.50			

Relocate Summary Report



WO#:		34385		 Employee Name:				Matanuska Telephone Association					
Exch:		376 - Wasilla				Employee #:				Relocate - Summary Report			
CLLI:		FERN				Expected Pickup Date:							
Name:		MSB Relocate MSB FERN ST RELO											
IM #	Qty	Unit	DESCRIPTION	Comments	DEPT	Material Cost	DB Labor Hours	Replacement in Kind - Materials	Replacement in Kind - LABOR	Betterment - Materials	Betterment - LABOR		
0	4	BM 30-(25)	PC STUB 25 PR		SPL	-	\$ 470.51	\$0.00	\$470.51				
25864	1	HBFOR 9.5	FO Ribbon Dome Closure, 9.5 x 28, (BOM FOR TRAYS)		SPL	376.36	\$ 1,411.53	\$376.36	\$1,411.53				
0	200	HC-3	CABLE SPLICING W/MOD		SPL	-	\$ 470.51	\$0.00	\$470.51				
0	358	HO-1	FUSION, ONE FIBER (FO)	*B* UP FROM 96 TO 288 FOC, 67%	SPL	-	\$ 21,055.37	\$0.00	\$6,948.27	\$0.00	\$14,107.10		
0	10	LBR SPL FO	SPLICING LABOR - FIBER OPTIC (BOM REQ)		SPL	-	\$ 2,352.56	\$0.00	\$2,352.56				
0	975	WHC-3	CABLE THROW W/MOD 100 PR		SPL	-	\$ 13,762.45	\$0.00	\$13,762.45				
0	24	WHO-1	Fiber Optic Cutover rearrange		SPL	-	\$ 5,646.13	\$0.00	\$5,646.13				
0	1	WHUO	UG FO SPL CASE REARR(BOM REQ)		SPL	-	\$ 1,411.53	\$0.00	\$1,411.53				
0	894	XBFC 200-24	200 PAIR BURIED ABANDON		SPL	-	\$ -	\$0.00	\$0.00				
0	706	XBFC 25-24	25 PAIR BURIED ABANDON		SPL	-	\$ -	\$0.00	\$0.00				
0	1506	XBFC 400-24	400 PAIR BURIED ABANDON		SPL	-	\$ -	\$0.00	\$0.00				
0	40	XBFC 6-24	6 PAIR BURIED ABANDON		SPL	-	\$ -	\$0.00	\$0.00				
0	3	XBM 30	REMOVE PC STUB		SPL	-	\$ 176.44	\$0.00	\$176.44				
0	2	XNID	REMOVE NID		SPL	-	\$ 141.15	\$0.00	\$141.15				
0	1	XHUO	REMOVE FO SPL CLOSURE		SPL	-	\$ 470.51	\$0.00	\$470.51				
		Totals			ALL			Replacement in Kind - Materials	Replacement in Kind - LABOR	Betterment - Materials	Betterment - LABOR		
							Material Cost	\$19,607.39		\$3,706.05			
			Total Labor Costs = \$109,834.43			Betterment %	Material Overhead	\$1,180.36		\$223.10			
			Total Placing Labor Costs = \$61,548.24			13%	Placing Labor		\$53,741.65		\$7,806.59		
			Total Splicing Labor Costs = \$48,286.19			29%	Splicing Labor		\$34,179.10		\$14,107.10		
							Boring	\$45,610.70		\$0.00			
							Clearing	\$0.00		\$0.00			
			Total Engineering Labor Costs = \$14,398.51			13.11%	Engineering hours		\$11,525.78		\$2,872.73		
							Survey		\$0.00				
							Construction Inspector Hours		\$0.00				
							SWPPP		\$0.00				
							Landscaping		\$0.00				
							Perdiem, Lodging Meals Mieage		\$0.00				
							Other		\$0.00				
							Aid to Constr		\$0.00				
							ROW permit/fees		\$0.00				
							ROW		\$0.00				
						Total Placing Staging & Mobilization Labor Costs = \$0.00			12.68%	Placing Stage & Mob Hours		\$0.00	
			Total Splicing Staging & Mobilization Labor Costs = \$0.00			29.22%	Splicing Stage & Mob Hours		\$0.00		\$0.00		

Relocate Summary Report

WO#:		34385		Employee Name:					Matanuska Telephone Association			
Exch:		376 - Wasilla		Employee #:					Relocate - Summary Report			
CLLI:		FERN		Expected Pickup Date:								
Name:		MSB Relocate MSB FERN ST RELO										
IM #	Qty	Unit	DESCRIPTION		Comments	DEPT	Material Cost	DB Labor Hours	Replacement in Kind - Materials	Replacement in Kind - LABOR	Betterment - Materials	Betterment - LABOR
								Sub-Total	\$66,398.45	\$99,446.53	\$3,929.15	\$24,786.41
									\$194,560.55			

CONSTRUCTION COPY

W.O. OVERVIEW

MSB FERN RELO. This work order will relocate MTA Facilities in conflict with MSB Project # 35472-1817 2021 TRANSPORTATION INFRASTRUCTURE PROGRAM FERN STREET UGRADES AND PATHWAYS.

LEGEND:

CABLE PLACEMENT DEPTHS:	COPPER	FIBER
PUBLIC UTILITY EASMENT:	36" MIN	42" MIN
ROAD ROW (OUTER 5')	36"	42"
ROAD CROSSINGS	48"	48"

AERIAL CABLE		
BURIED CABLE		
NEW PEDESTAL		
EXISTING PEDESTAL		

MUNICIPALITY OF ANCHORAGE:	COPPER	FIBER
PUBLIC UTILITY EASEMENT:	42" MIN	42" MIN
ROAD ROW (OUTER 5')	42"	42"
ROAD CROSSINGS	48"	48"

SHEET INDEX:

SHEET 1 COVER SHEET

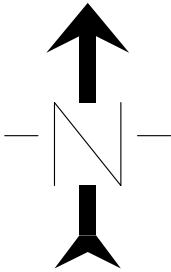
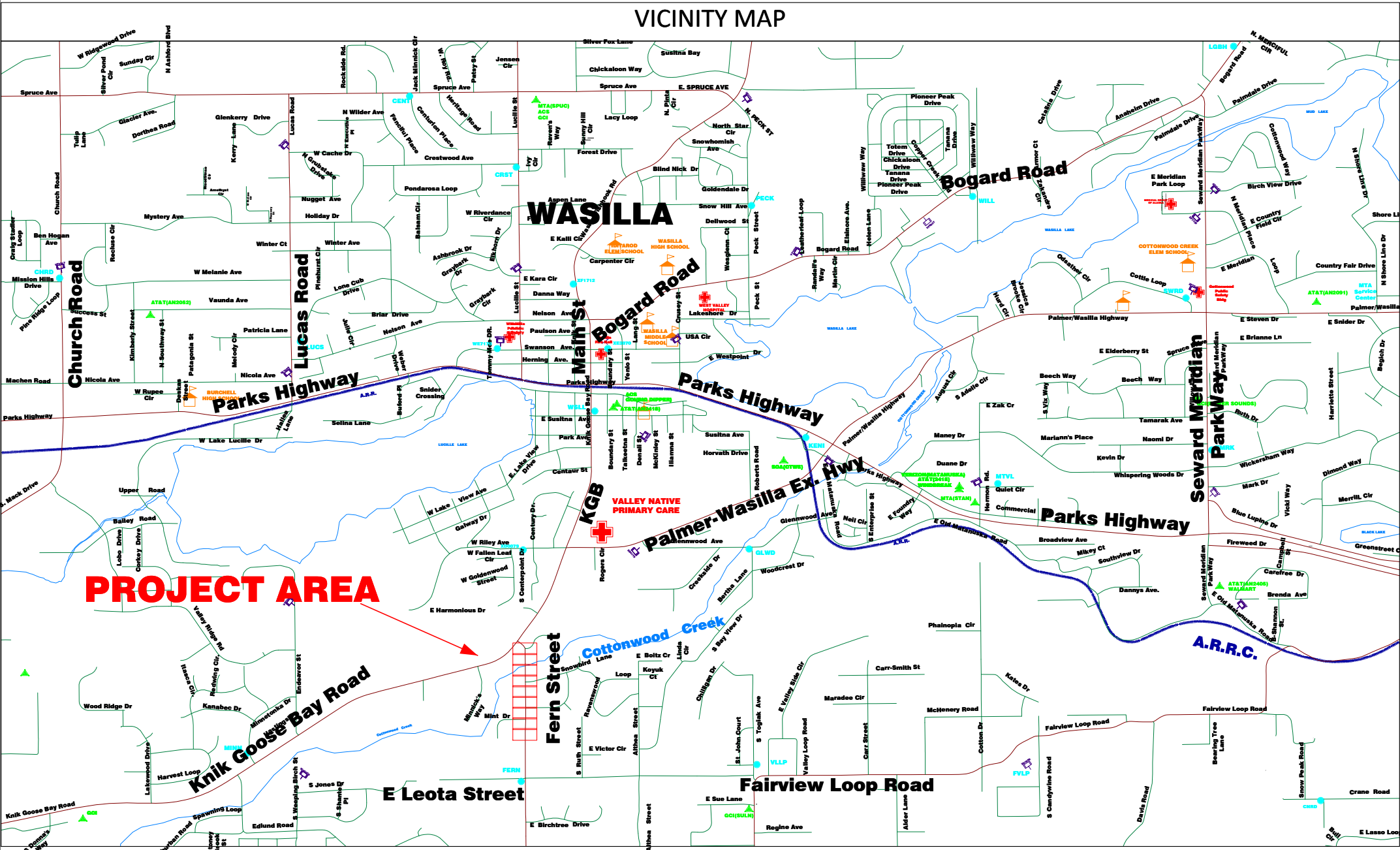
SHEET 1a INDEX SHEET

SHEET 1b BORE TYPICAL

SHEET 2 - 10 STAKING SHEETS

TOTAL PROJECT LENGTH 2,273', TRENCHED 1,676', BORED 597'
MSB TO PROVIDE SURVERYING AND STAKING
MSB TO PROVIDING EASEMENT CLEARING
MSB TO PROVIDE SWPPP IF REQUIRED

VICINITY MAP



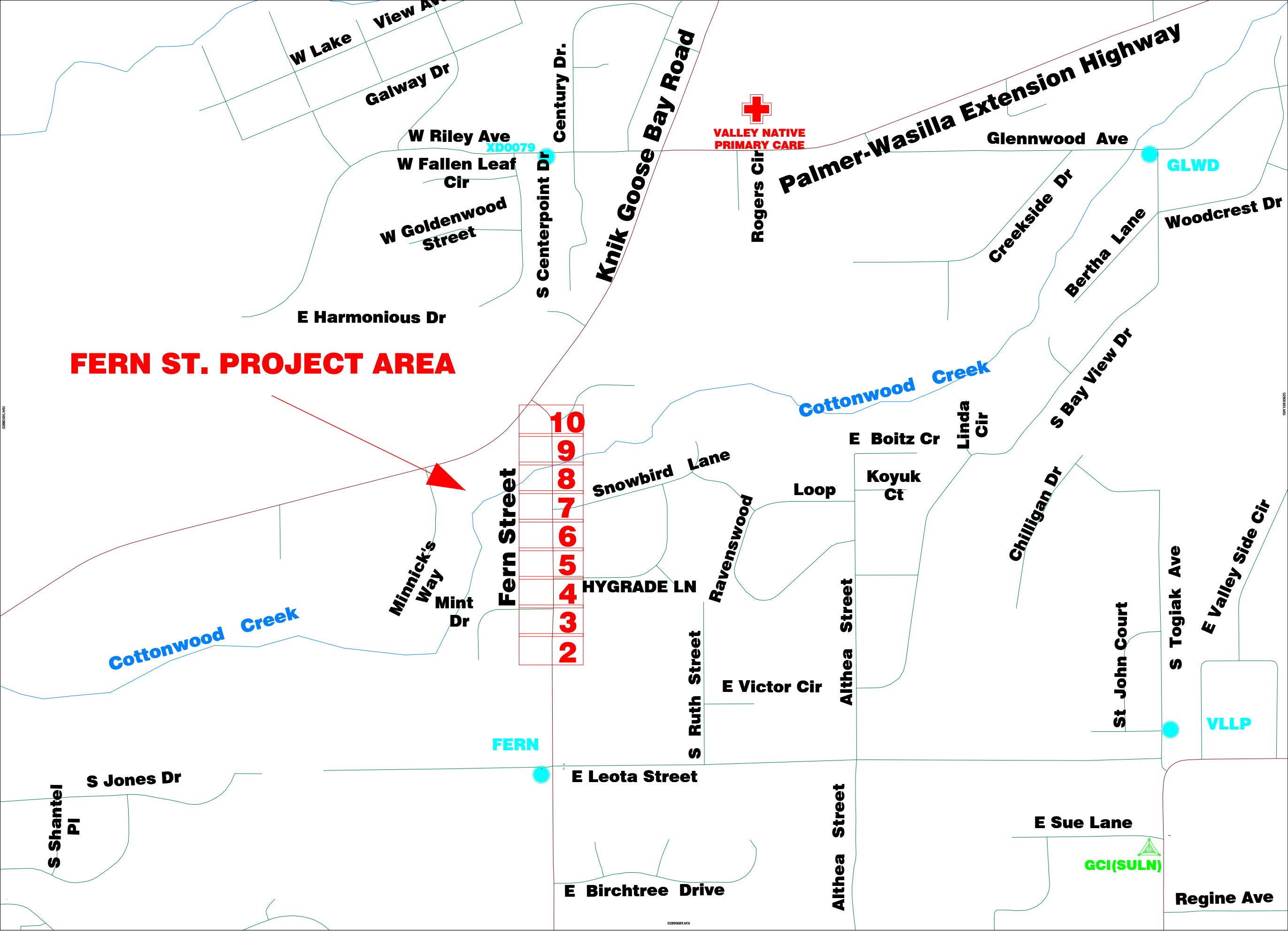
Y	CLEARING REQUIRED	Y	CREEK/LAKE
Y	PIPE PUSH/BORE	Y	CUT SHEETS REQUIRED
N	CONST SURVEY ONLY	Y	CAT REQUIRED (COPPER)
Y	SWAMP	N	LANE CLOSURE REQUIRED
N	CO & HUT MDF JUMPERS CABLE		
Y	R.O.W. REQ REVIEW	ALL	SHEET(S)

MILEPOST _____ MILEPOINT _____
ROUTE# _____

OSP E&C SUPV/FOREMAN:	DATE:
NETWORK PLANNER:	DATE:
DIRECTOR OSP ENG&CONST: <i>Cliff Burris</i>	DATE: 9/23/25
R.O.W AGENT:	DATE:
RELATED WO:	CLI: FERN
WO#: 376-34385	ENG: DAVID BLEHM
DATE: 10/24/2023 12:00:00 AM	FILE: CV_376-34385 SHEET 1 OF 10

MTA

CALL BEFORE YOU DIG!!!	
ALASKA Digline INC 1-800-478-3121 - (811) COMPANY PROVIDED LOCATES	
GOLDEN VALLEY ELECTRIC	
CANTWELL - CLEAR:	452-1151
PARKS SERVICE	
MAINTENANCE DEPT:	683-2294
MATANUSKA - SUSITNA	
BOROUGH	
PUBLIC WORKS:	745-9802
CITY OF PALMER PUBLIC	
WORKS	
PUBLIC WORKS:	745-3925
DOT-TRAFFIC SIGNALS	
ER-KNIK:	371-7081
VALLEY:	745-2102
STREET LIGHTS	
ER-KNIK:	338-1436
VALLEY:	745-2102

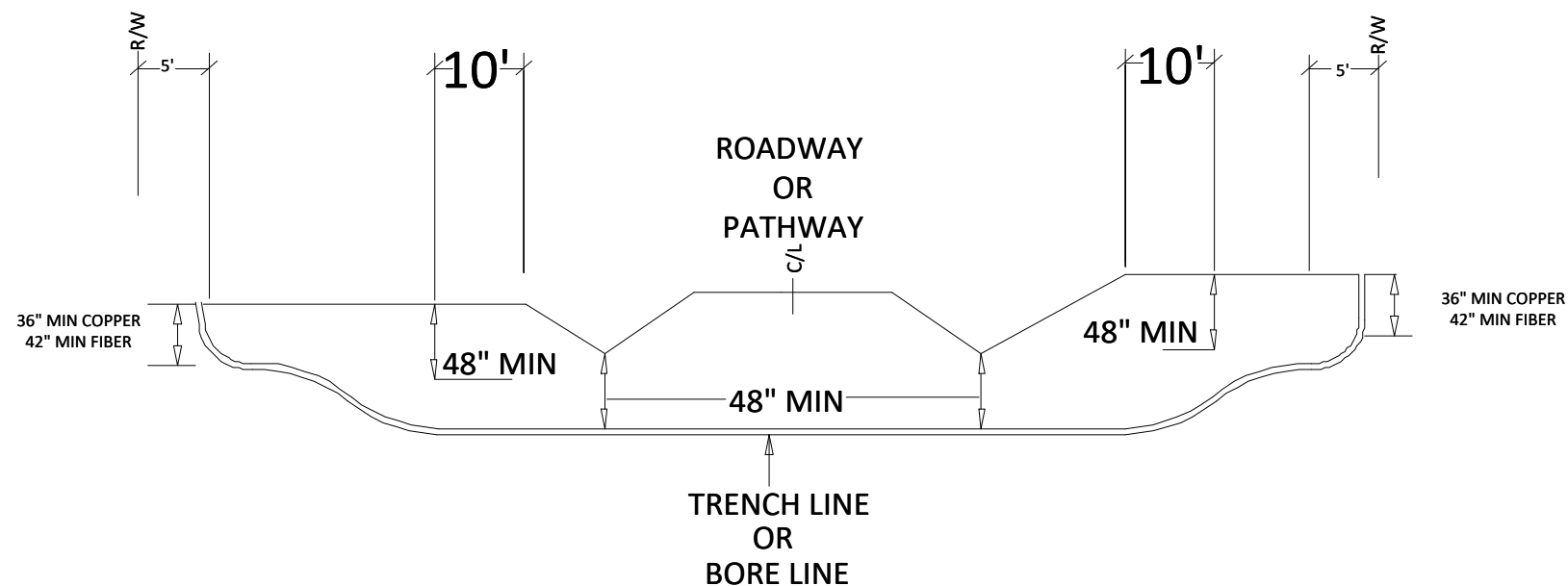


WO NUMBER: 376-34385	
ENGINEER: DAVID BLEHM	
CLLI:	TWIN: 17N
RNG: 01W	SEC: 21, 22, 16
GRID: NW3460	MSB: WA 13, WA 14, WA 12
DRAFTER:	
AS BUILT DATE: 10/24/2023 12:00:00 AM	
WO DESC.: MSB FERN RELO.	
SHEET NAME:	
NOTES:	
Scale:	

MSB BORE DETAIL

ROADWAY &/OR PATHWAY
FOUR FOOT MINIMUM DEPTH TO
BE MAINTAINED WHEN CROSSING
UNDER, OR WITHIN TEN FEET OF
SLOPE LIMITS OF PATH AND/OR ROADWAY
IN MSB ROW.

***NOTE ADDITIOAL DEPTH MAY BE NOTED ON THE STAKING SHEET.



GENERAL BORING / EXCAVATION NOTES:

1. ALL CONDUIT PLACED BY BORING OR EXCAVATION MUST BE A MINIMUM OF 4 FEET BELOW THE LOWEST ROAD EXCAVATION (USUALLY THE DITCH BOTTOM) IN STRUCTURAL SECTIONS AND WITHIN TEN FEET OF SLOPE LIMITS (INCLUDING BIKE PATH SLOPES)
2. NOTED BORE/TRENCH LENGTHS ARE APPROXIMATE. ACTUAL LENGTHS MAY VARY DEPENDING ON RIG SETUP LOCATIONS

WO NUMBER:

376-34385

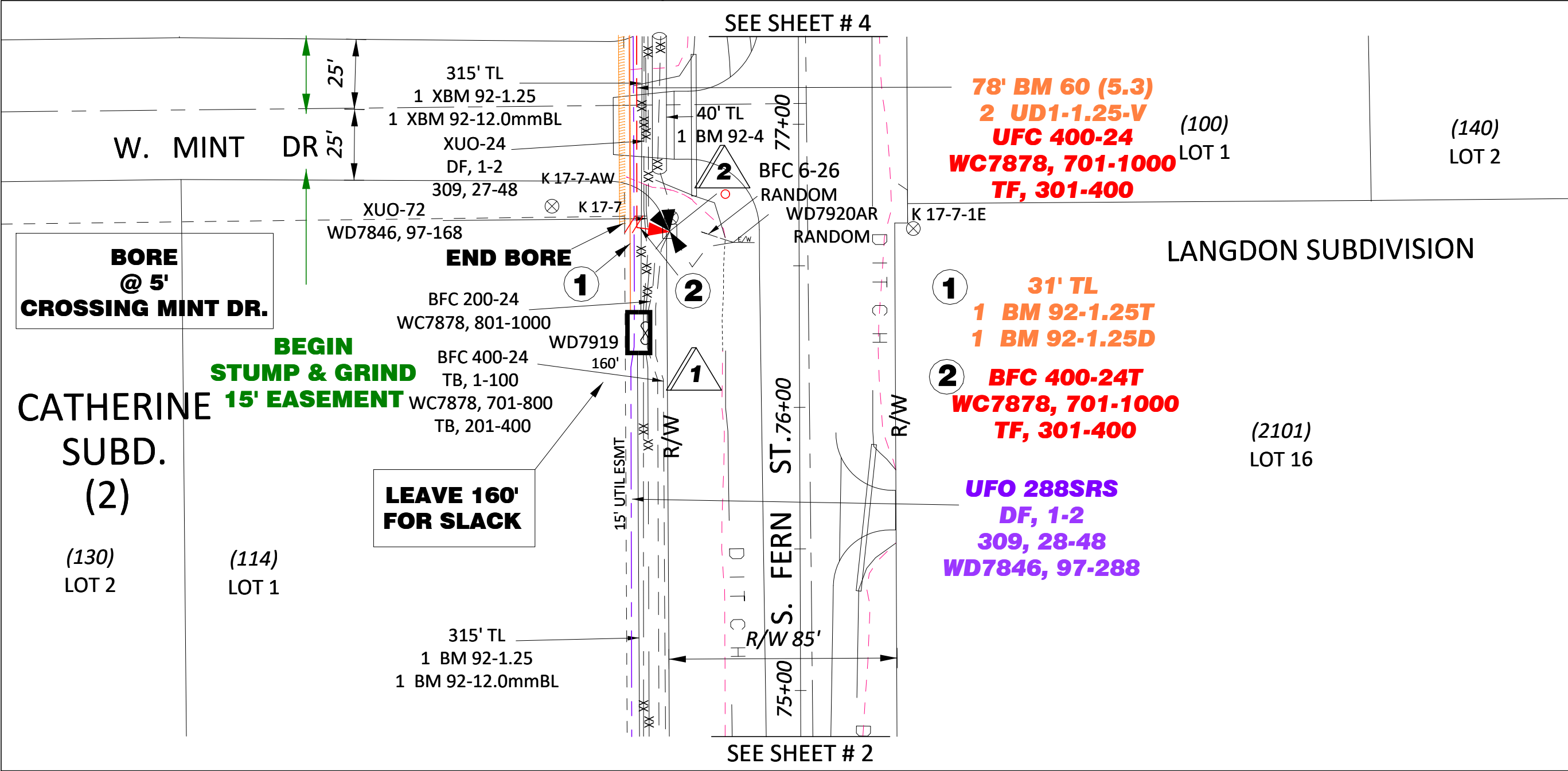
ENGINEER:

DAVID BLEHM

CREATION DATE:

2023-10-24

376-34385 SHEET 2 of 10



WO NUMBER:
376-34385

ENGINEER:
DAVID BLEHM

CSA: FERN

TWN: 17N

RNG: 01W

SEC: 21, 22, 16

GRID: NW3460

MSB or MOA: WA 13, WA 14, WA 12

CREATION DATE: 2023-10-24

NOTES:
Scale: 1 TO 40

CONSTRUCTION NOTES:

1). MAINTAIN TRENCH IN THE
BACK 5' OF THE 15' EASEMENT
ON THE WEST SIDE OF FERN ST.

ROAD BORE:

2). BORE CROSSING MINT ST
MAINTAIN 5' BELOW LOWEST
POINT IN DITCH.

WL	UNIT DESC	QUANTITY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY
2	WHC-3	400	WBD C 1	BM 2C 1	WBFC 5	0	0	0	0	0		

Filename:
SS_376-34385 SHEET 3 of 10

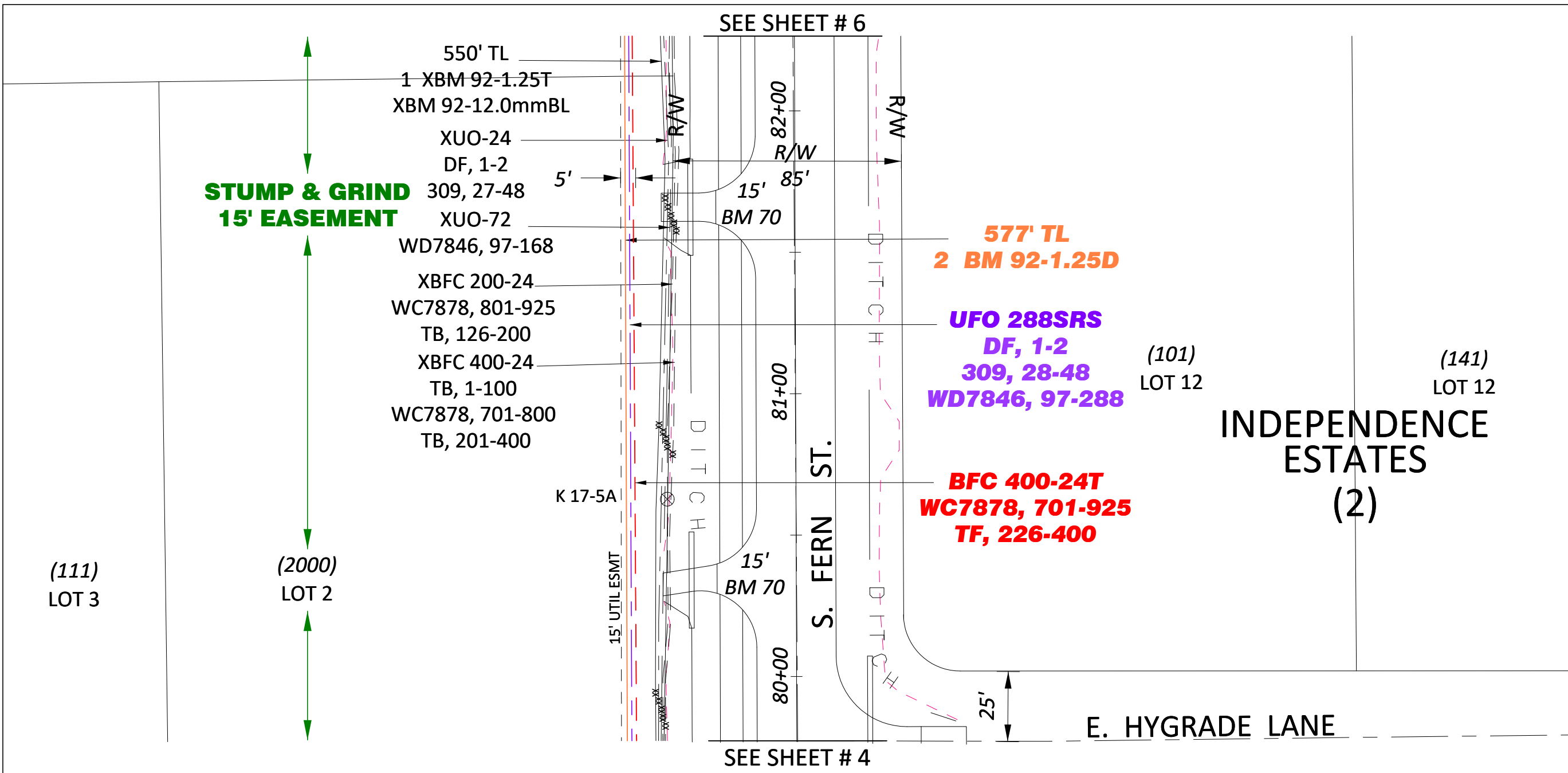
Staked By: AD\blehm

Last Saved: 8/5/2025

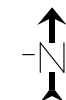
MTA

376-34385 SHEET 3 of 10

WL	UNIT DESC	QUANTITY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	WO NUMBER: 376-34385
2	BFC 400-24T	70'	BM 70 15	0	0	0	0	0	0	0	0		ENGINEER: DAVID BLEHM
3	BFC 50-24T	20'	0	0	0	0	0	0	0	0	0		CSA: FERN
3	XBFC 25-24	251'	0	0	0	0	0	0	0	0	0		TWN: 17N
3	UFC 50-24	77'	0	0	0	0	0	0	0	0	0		RNG: 01W
3	BFC 50-24T	160'	0	0	0	0	0	0	0	0	0		SEC: 21, 22, 16
1	BD-5 AH	1	BA 22 1	BM 11 1	BM 2 5/8 1	BM 2C 2	0	0	0	0	0		GRID: NW3460
101	XBD	1	WBFC 20	0	0	0	0	0	0	0	0		MSB or MOA: WA 13, WA 14, WA 12
101	XNID	1	0	0	0	0	0	0	0	0	0		CREATION DATE: 2023-10-24
102	TL	315'	XBM 92-1.25 325	XBM 92-12.0mmBL 325									NOTES: Scale: 1 TO 40
2	TL	203'	BM 92-1.25D 426										
2	BM 60 (5.3)	78'											
2	TL	78'	UD1-1.25-V 176										
3	TL	20'	*B* BM 92-1.25D 30										
3	BM 60 (3.5)	77'											
3	TL	77'	*B* UD1-1.25-V 87										
3	TL	160'	*B* BM 92-1.25D 170										
1	WHC-3	25	0	0	0	0	0	0	0	0	0		
2	WHC-3	25	WBD C 1	WBFC 25	BM 2C 3	0	0	0	0	0	0		
3	WHC-3	50	0	0	0	0	0	0	0	0	0		
1	BM 30-(25)	1	0	0	0	0	0	0	0	0	0		
101	XBM 30	1	0	0	0	0	0	0	0	0	0		
101	XNID	1	0	0	0	0	0	0	0	0	0		
102	ZBH	1	WBM 92 () 10	0	0	0	0	0	0	0	0		
2	BHF-2 KIT	1	BM 40SIP - KIT 1	0	0	0	0	0	0	0	0		↑ N ↓ Filename: SS_376-34385 SHEET 4 of 10_TEMP Staked By: AD\dalehm Last Saved: 9/19/2025 MTA 
													376-34385 SHEET 4 of 10_TEMP

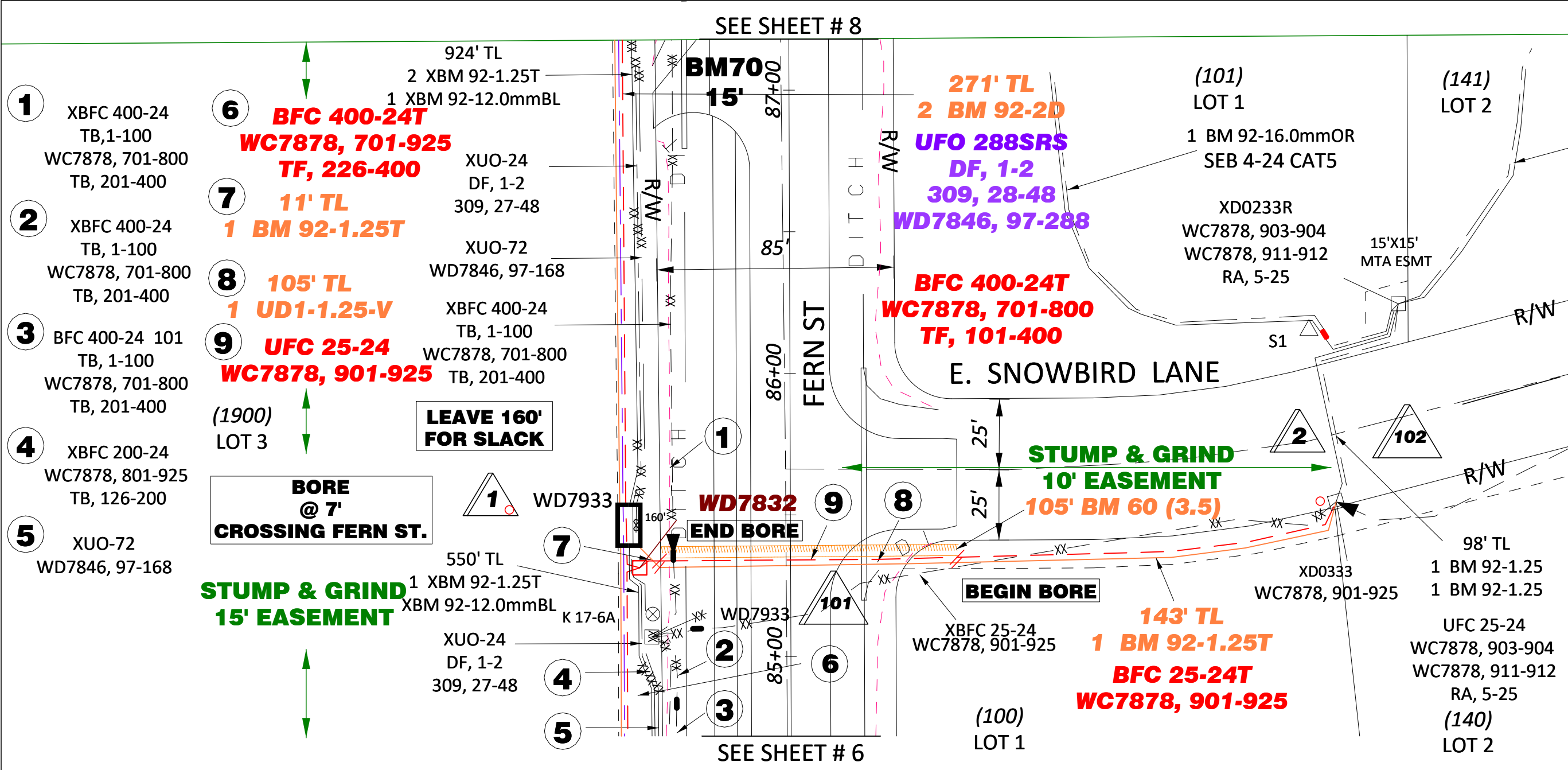
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WO NUMBER: 376-34385	
ENGINEER: DAVID BLEHM	
CSA:	FERN
TWN:	17N
RNG:	01W
SEC:	21, 22, 16
GRID:	NW3460
MSB or MOA: WA 13, WA 14, WA 12	
CREATION DATE: 2023-10-24	
NOTES: Scale: 1 TO 40	
CONSTRUCTION NOTE: 1). TRENCHING ONLY, NO WORK LOCATIONS THIS SHEET. 2). MAINTAIN TRENCH IN THE BACK 5' OF THE 15' EASEMENT ON THE WEST SIDE OF FERN ST.	



Filename: SS_376-34385 SHEET 5 E of 10
Staked By: AD\bblehm
Last Saved: 8/6/2025





WO NUMBER:
376-34385

ENGINEER:
DAVID BLEHM

CSA: FERN

TWN: 17N

RNG: 01W

SEC: 21, 22, 16

GRID: NW3460

MSB or MOA: WA 13, WA 14, WA 12

CREATION DATE: 2023-10-24

NOTES:
Scale: 1 TO 40

CONSTRUCTION NOTE:
1). MAINTAIN TRENCH IN THE BACK 5' OF THE 15' EASEMENT ON THE WEST SIDE OF FERN ST.

ROAD BORES:
2). BORE CROSSING FERN ST SNOWBIRD LN MAINTAIN 7', JOINT BORE WITH MEA.

WL	UNIT DESC	QUANTITY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY
1	BFC 400-24T	257'	BM 70 15	0	0	0	0	0	0	0		
101	XBFC 200-24	223'	0	0	0	0	0	0	0	0		
101	XBFC 400-24	30'	0	0	0	0	0	0	0	0		
101	XBFC 400-24	196'	0	0	0	0	0	0	0	0		
102	XBFC 25-24	32'	0	0	0	0	0	0	0	0		
102	XBFC 25-24	204'		0	0	0	0	0	0	0		
2	BFC 25-24T	8'	0	0	0	0	0	0	0	0		
1	BD-5 AH	1	BA 22 1	BM 11 1	BM 2 5/8 1	BM 2C 3	0	0	0	0		
101	XBD	1	0	0	0	0	0	0	0	0		
2	BM 60 (3.5)	105'										

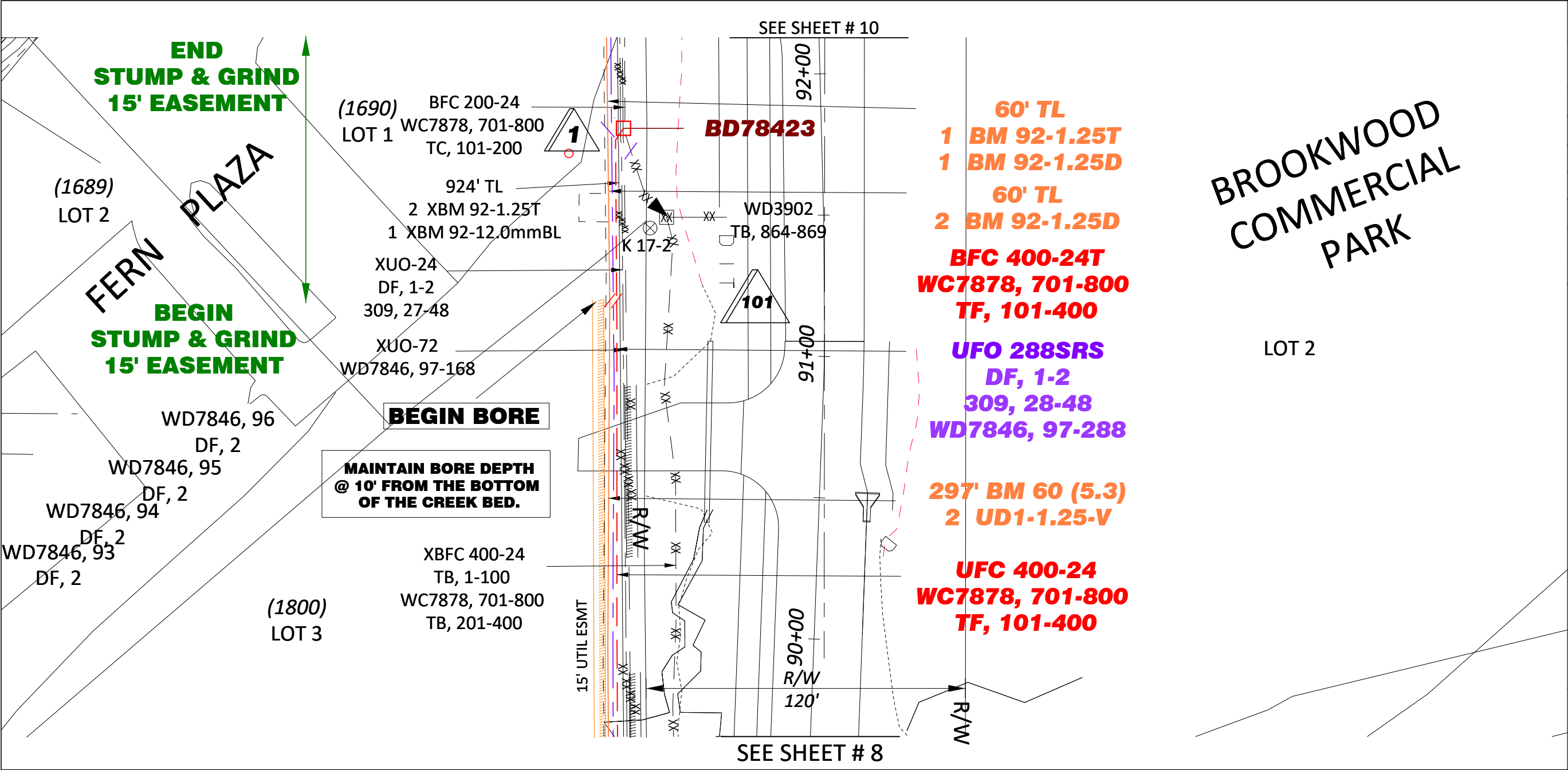
Filename:
SS_376-34385 SHEET 7 of 10

Staked By: AD\blehm

Last Saved: 8/6/2025

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WL	UNIT DESC	QUANTITY	UNIT/QT	UNIT/QT	UNIT/QT	UNIT/QT	UNIT/QT	UNIT/QT	UNIT/QT	UNIT/QT	UNIT/QT	UNIT/QT	WO NUMBER: 376-34385
1	TL	579'	BM 92-1.25-D 1178										ENGINEER: DAVID BLEHM
103	TL	266'	XBM 92-1.25T 560	XBM 92-12.0mmBL 276									CSA: FERN
2	TL	11"	BM 92-1.25T 21										TWN: 17N
2	TL	105'	UD1-1.25T 115										RNG: 01W
2	TL	143'	BM 92-1.25T 153		0	0	0	0	0	0			SEC: 21, 22, 16
2	WHC-3	25	BM 2C 1	WBFC 5	0	0	0	0	0	0			GRID: NW3460
1	WHC-3	25	0	0	0	0	0	0	0	0			MSB or MOA: WA 13, WA 14, WA 12
1	BM 30-(25)	1	0	0	0	0	0	0	0	0			CREATION DATE: 2023-10-24
101	XBM 30	143'	0	0									NOTES: Scale: 1 TO 40
													MTA
													
													376-34385 SHEET 7a of 10



WO NUMBER:
376-34385

ENGINEER:
DAVID BLEHM

CSA: FERN

TWN: 17N

RNG: 01W

SEC: 21, 22, 16

GRID: NW3460

MSB or MOA: WA 13, WA 14, WA 12

CREATION DATE: 2023-10-24

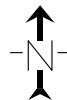
NOTES:
Scale: 1 TO 40

CONSTRUCTION NOTE:

1). MAINTAIN TRENCH IN THE
BACK 5' OF THE 15' EASEMENT
ON THE WEST SIDE OF FERN ST.

ROAD BORES:

2). COTTONWOOD CREEK:
MAINTAIN BORE DEPTH
OF 10' FROM THE BOTTOM
OF THE CREEK BED.



WL	UNIT DESC	QUANTITY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY
1	BFC 400-24	294'	0	0	0	0	0	0	0	0		
1	UFC 400-24	297'	0	0	0	0	0	0	0	0		
101	XBFC 400-24	404'							0			
102	BFC 200-24T	36'							0	0		
1	BD-5 AH	1	WBFC 20	HC-3 200	BA 22 1	BM 11 1	BM 2 5/8 1	BM 2C 1	0	0		
101	XBD	1	XBA 1							0		
1	BM 30-(25)	1	0	0	0	0	0	0				
1	WHC-3	400			0	0	0	0				
101	XBM 30	1										

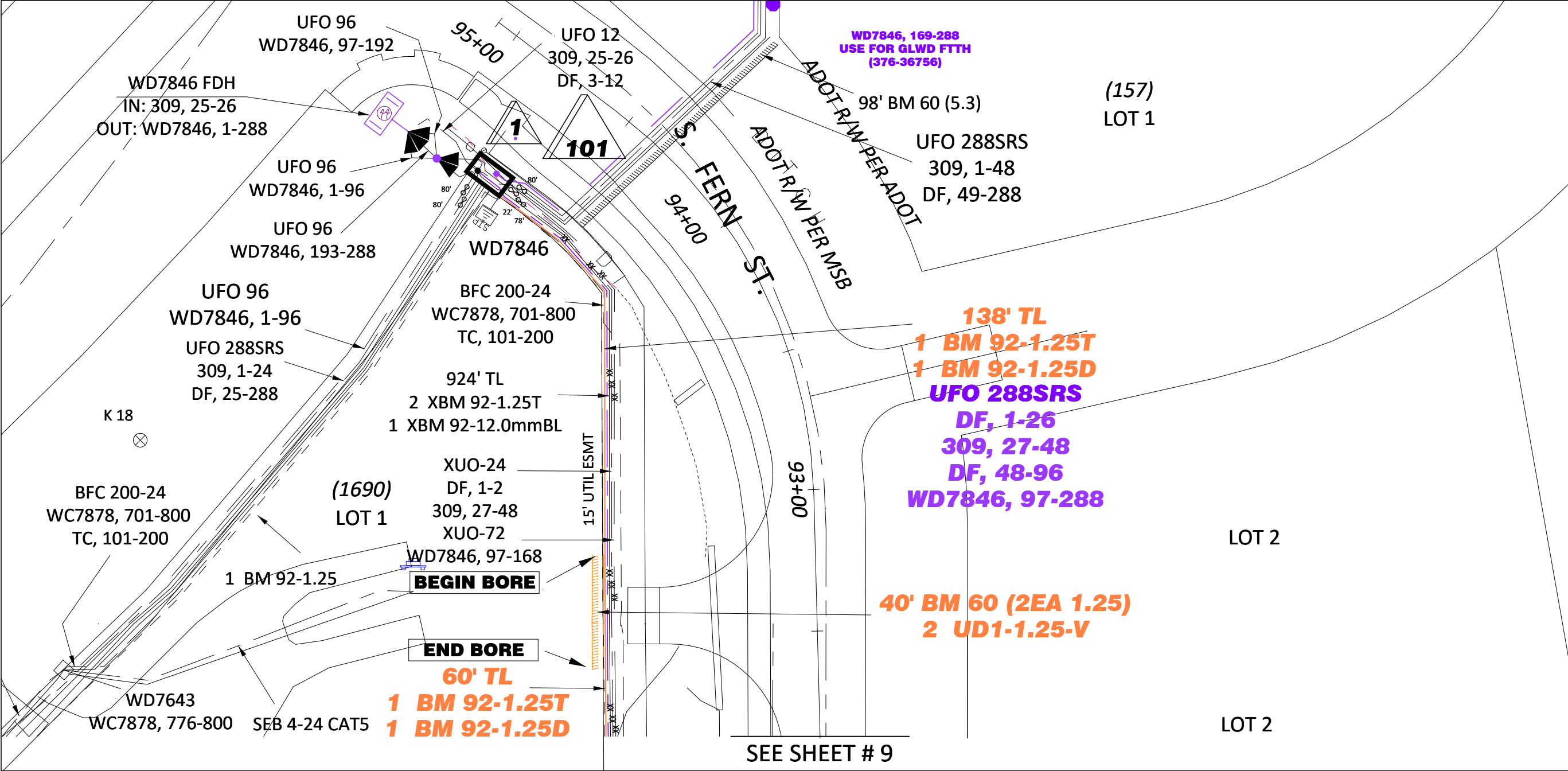
Filename:
SS_376-34385 SHEET 9 of 10

Staked By: AD\blehm

Last Saved: 8/7/2025

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376-34385 SHEET 9 of 10



WO NUMBER:	376-34385
ENGINEER:	DAVID BLEHM
CSA:	FERN
TWN:	17N
RNG:	01W
SEC:	21, 22, 16
GRID:	NW3460
MSB or MOA:	WA 13, WA 14, WA 12
CREATION DATE:	2023-10-24

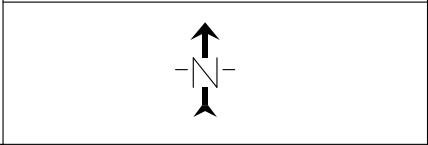
NOTES:
Scale: 1 TO 40

CONSTRUCTION NOTE:

1). MAINTAIN TRENCH IN THE BACK 5' OF THE 15' EASEMENT ON THE WEST SIDE OF FERN ST.

ROAD BORE:

2). BORE CROSSING DRIVEWAY TO COFFEE SHOP, HIGH TRAFFIC AREA.



WL	UNIT DESC	QUANTITY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY	UNIT/QTY
1	UFO 288SRS	2740'										
101	XUO-24	2247'	XUO-72 2746'									
1	BM 60 (2EA 1.25)	40'	UD1-1.25-V 100'									
1	BM 60 (5.3)	297'	UD1-1.25-V 614'									
1	TL	60'	BM 92-1.25D 140									
1	TL	60'	BM 92-1.25T 70'	BM 92-1.25D 70'								
1	TL	271'	BM 92-1.25D 562'									
1	TL	138'	BM 92-1.25T 148'	BM 92-1.25D 148'								
101	TL	924'	XBM 92-1.25T 924'	XBM 92-12.0mmBL 924'								
1	WHUO	1	WHO-1 12	HO-1 84	LBR SPL FO							

Filename: SS_376-34385 SHEET 10 of 10
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