

GENERAL NOTES:

- THE FIELD SURVEY OF THE TOPOGRAPHICAL FEATURES SHOWN ON THIS PLAN WAS COMPLETED ON MARCH 23, 2022.
 - IF PROPOSED WORK IS TO BE OUTSIDE OF SURVEY WORK AREA PROPER AUTHORIZATION WILL NEED TO BE OBTAINED. ANY UPDATED SURVEY PLAN WILL NEED TO BE COMPLETED, ALONG WITH FIRST CALLS AND THIRD PARTY SWEEPS.
- EXCAVATION NOTE:
- TRENCH SHORING WILL BE USED IF PROPER TRENCH EXCAVATION CAN NOT BE USED
- BOUNDARY NOTE:
- TITLE RECORDS INFORMATION SHOWN HAS BEEN COMPILED FROM DATA OBTAINED FROM TERANET
 - PARCEL MAPPING AND HAS NOT BEEN VERIFIED BY A FULL TITLE SEARCH FROM LAND REGISTRY OFFICE DOCUMENTS.
 - BOUNDARIES SHOWN HAVE BEEN COMPILED FROM TITLE RECORDS AND HAVE NOT BEEN VERIFIED BY FIELD SURVEY RETRACEMENT.

DATUM NOTE:

- HORIZONTAL DATUM: COORDINATES ARE UTM ZONE 18, NAD83 (CSRS) (2010.0) BASED ON GPS OBSERVATIONS.
- DISTANCES ON THIS PLAN ARE GRID AND CAN BE CONVERTED TO GROUND BY DIVIDING BY THE COMBINED SCALE FACTOR OF 0.9996018
- VERTICAL DATUM: CANADIAN GEODETIC VERTICAL DATUM 1928 (78 ADJ).
- DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

UNDERGROUND UTILITY NOTES :

- THE UTILITY DATA DEPICTED ON THIS DRAWING WERE ACQUIRED IN ACCORDANCE WITH ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY ATTRIBUTED QUALITY LEVELS WHICH ARE DEFINED AS FOLLOWS:
- QUALITY LEVEL "A" - INFORMATION OBTAINED BY ACTUAL PHYSICAL EXPOSURE OF TARGETED UTILITIES AND SUBSEQUENT MEASUREMENT OF THE EXPOSED PRECISE HORIZONTAL AND VERTICAL POSITION.
 - QUALITY LEVEL "B" - INFORMATION OBTAINED USING GEOPHYSICAL LOCATE TECHNIQUES TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE DESIGNATED UTILITIES.
 - QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO THE QUALITY "D" INFORMATION OBTAINED.
 - QUALITY LEVEL "D" - INFORMATION DERIVED FROM UTILITY RECORDS OR VERBAL RECOLLECTIONS
 - ALL SERVICES ARE QUALITY "D" UNLESS NOTED OTHERWISE.
 - LEVEL "D" RECORD INFORMATION SHOWN ON THIS PLAN HAVE BEEN PLOTTED APPROXIMATELY AS PER THE RECORDS FOUND AND COULD NOT BE FIELD VERIFIED WITHIN THE SCOPE OF THIS PROJECT. IF FURTHER VERIFICATION IS REQUIRED, IT IS SUGGESTED THAT LEVEL "A" METHODOLOGIES BE EMPLOYED.
 - POSITIONS OF BURIED FACILITIES SHOWN ARE DERIVED FROM INTERPRETATIONS OF SIGNALS FROM ELECTRONIC DEVICES. RECEPTION OF ELECTRONIC SIGNALS IS SUBJECT TO INTERFERENCE AND HAS LIMITATIONS, THERE IT SHOULD NOT BE ASSUMED THAT ALL BURIED FACILITIES ARE SHOWN, OTHER BURIED UTILITIES MAY EXIST WHICH ARE NOT SHOWN DUE TO INSUFFICIENT OR IMPROPER INSTALLATION.
 - FACILITIES WHICH ARE SHOWN SHOULD NOT BE CONSTRUED AS LOCATED UNTIL PHYSICALLY EXPOSED. ALL UNDERGROUND INSTALLATIONS SHOULD BE MARKED BY THE RESPECTIVE AUTHORITIES AND ONTARIO ONE-CALL CONTACTED PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
 - DEPTH OF COVER MEASURED FROM THE TOP OF PIPE.

LOCATION PLAN LEGEND

- ACCESS ROAD SHOWN THUS: 
- HIGHWAY SHOWN THUS: 
- STREET SHOWN THUS: 
- TNPI PIPELINE SHOWN THUS: 

GENERAL LEGEND

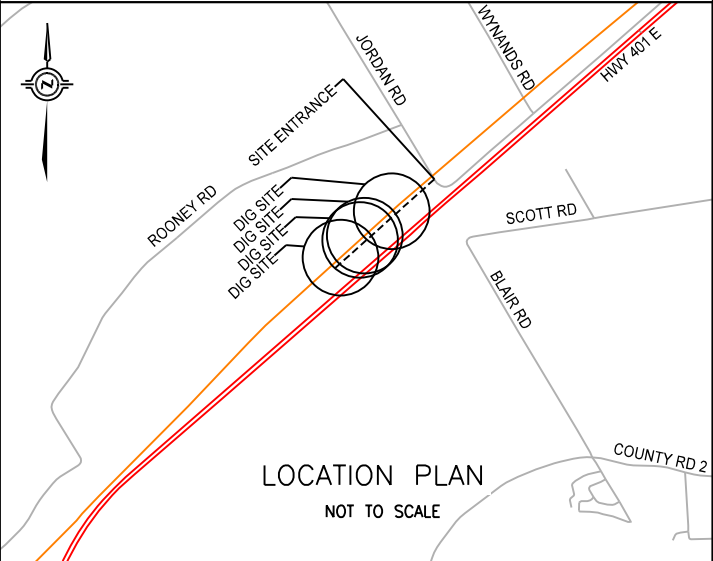
- EXISTING TNPI PIPELINE SHOWN THUS: 
- PROPERTY LINE SHOWN THUS: 
- LOT LINE SHOWN THUS: 
- ENBRIDGE ROW SHOWN THUS: 
- TNPI ROW SHOWN THUS: 

- EDGE OF GRAVEL SHOWN THUS: 
- CENTRELINE OF ROAD SHOWN THUS: 
- EDGE OF ASPHALT SHOWN THUS: 
- GUIDE RAIL SHOWN THUS: 
- PAINT LINE SHOWN THUS: 
- CULVERT SHOWN THUS: 

- TOP OF SLOPE SHOWN THUS: 
- BOTTOM OF SLOPE SHOWN THUS: 
- FENCE SHOWN THUS: 
- TOP OF DITCH SHOWN THUS: 
- CENTRELINE OF DITCH SHOWN THUS: 
- EDGE OF WATER SHOWN THUS: 
- TREES SHOWN THUS: 
- CONIFEROUS SHOWN THUS: 
- WOODED AREA SHOWN THUS: 
- EDGE OF CULTIVATION SHOWN THUS: 

- OVERHEAD POWERLINE SHOWN THUS: 
- OVERHEAD TELEPHONE LINE SHOWN THUS: 
- BURIED HYDRO CABLE SHOWN THUS: 
- BURIED CABLE SHOWN THUS: 
- BURIED WATERLINE SHOWN THUS: 
- BURIED GAS PIPELINE SHOWN THUS: 
- BURIED STORMLINE SHOWN THUS: 
- BURIED SANITATION LINE SHOWN THUS: 
- GAS MARKER SHOWN THUS: 
- UTILITY POLE SHOWN THUS: 
- LIGHT STANDARD SHOWN THUS: 
- MANHOLE SHOWN THUS: 
- SIGN SHOWN THUS: 
- CATCH BASIN SHOWN THUS: 
- GATE SHOWN THUS: 
- POST SHOWN THUS: 
- WATER VALVE SHOWN THUS: 
- WATER KEY SHOWN THUS: 
- WATER CHAMBER SHOWN THUS: 
- MONITORING WELL SHOWN THUS: 
- FIRE HYDRANT SHOWN THUS: 
- TRAFFIC SIGNAL CONTROL SHOWN THUS: 
- HYDRO JUNCTION BOX SHOWN THUS: 
- TRAFFIC SIGNAL SHOWN THUS: 
- MANHOLE TELEPHONE SHOWN THUS: 
- MUSTER POINT SHOWN THUS: 
- UNKNOWN VALVE 

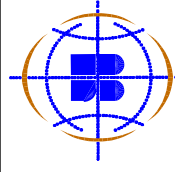
NPS 10, FP- DR
Block Valve Iroquois - Prescott
Dig Site and Temporary Access Road at
MP-114.70_85_88_99 - 2021,
Girth Weld # 32540 & 32720 & 32760 & 32900
Lot 13 & 14 & 15 Concession 2
Township of Edwardsburgh Cardinal
County of Leeds and Grenville



Description			
MP-114.70-2021 U/S Girth Weld	-12.205		
Target Feature	0.000		
MP-114.70-2021 D/S Girth Weld	1.215		
MP-114.85-2021 U/S Girth Weld	-5.935		
Target Feature	0.000		
MP-114.85-2021 D/S Girth Weld	7.505		
MP-114.88-2021 U/S Girth Weld	-5.972		
Target Feature	0.000		
MP-114.88-2021 D/S Girth Weld	7.123		
MP-114.99-2021 U/S Girth Weld	-3.588		
Target Feature	0.000		
MP-114.99-2021 D/S Girth Weld	9.773		
Surveyed Geo Coordinates (NAD 83)			
Weld	Latitude	Longitude	Depth
MP-114.70-2021 U/S	44.796202	-75.432296	0.78
Target Feature	44.796128	-75.432410	0.79
MP-114.70-2021 D/S	44.796121	-75.432422	0.79
MP-114.85-2021 U/S	44.794764	-75.434567	0.75
Target Feature	44.794728	-75.434623	0.83
MP-114.85-2021 D/S	44.794683	-75.434693	0.89
MP-114.88-2021 U/S	44.794513	-75.434958	0.72
Target Feature	44.794477	-75.435015	0.80
MP-114.88-2021 D/S	44.794434	-75.435082	1.02
MP-114.99-2021 U/S	44.793463	-75.436608	0.83
Target Feature	44.793442	-75.436642	0.92
MP-114.99-2021 D/S	44.793384	-75.436734	1.14

PROJECT: 22-23-408-039 22-23-408-040	GIRTH WELD: 32540 & 32720 & 32760 & 32900	Notes Page 1 of 9	REV 00
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REV	DATE	BY	REVISION / ISSUED
00	2022/04/05	K.P.	ISSUED FOR REVIEW
DRAWN BY: K.P.		CHECKED BY: R.M., N.S	REFERENCE NUMBER: 22-23-408-039, 22-23-408-040
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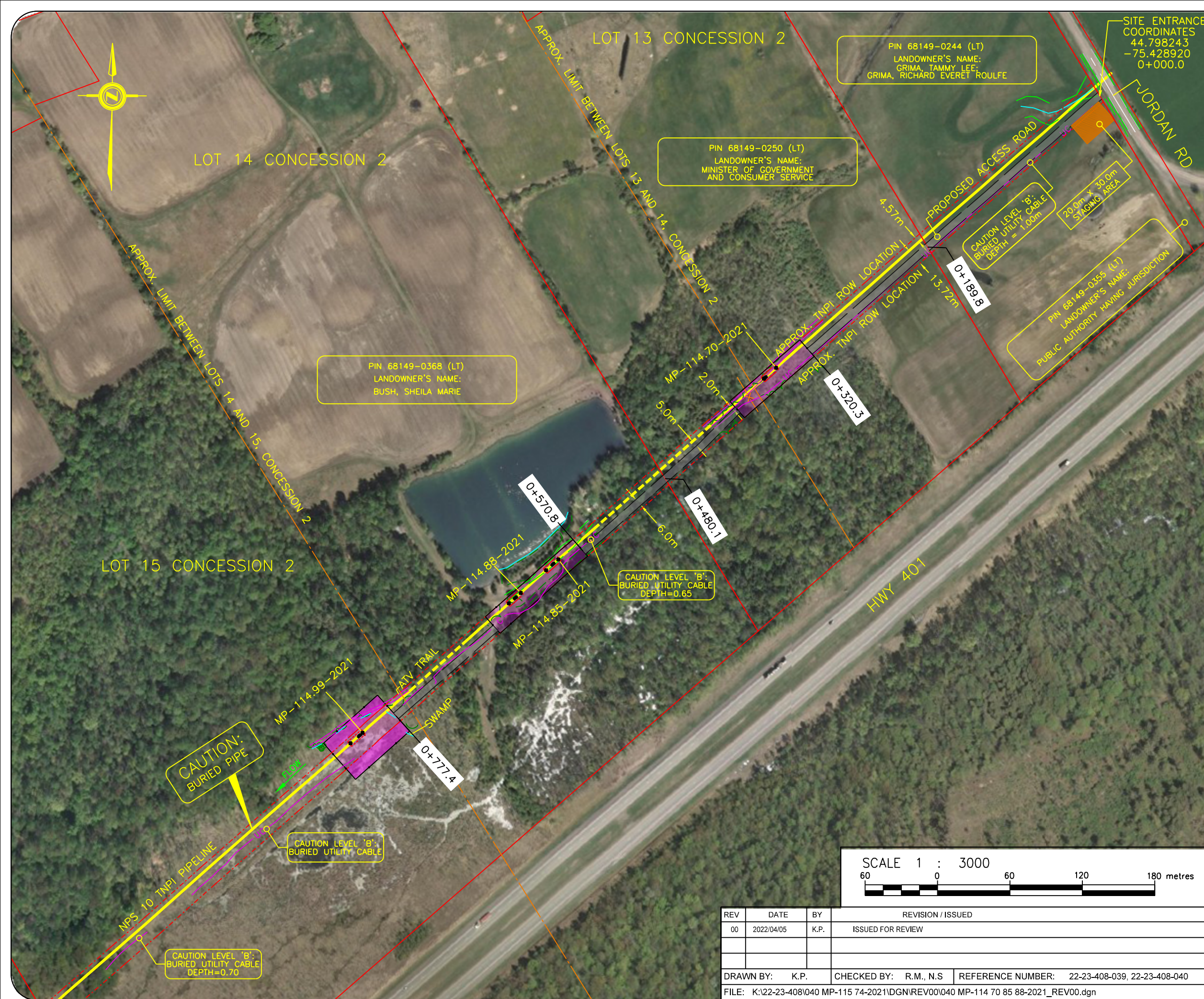


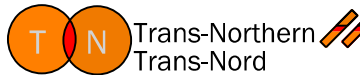
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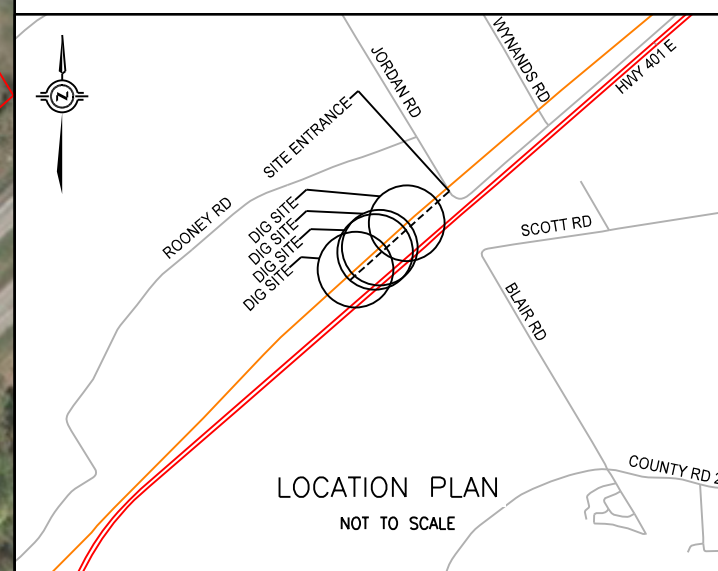
140 RENFREW DRIVE, SUITE 100, MARKHAM, ON L3R 6B3

T: (905) 477-3600 F: (905) 477-3882 www.jdbarnes.com



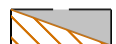
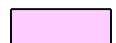
TRANS-NORTHERN PIPELINES INC.  Trans-North Trans-Nord

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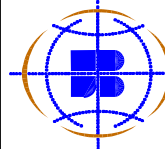
MUNICIPAL ADDRESS
JORDAN RD, EDWARDSBURGH CARDINAL

TOTAL ACCESS LENGTH: 777m

AREA REQUIRED	
	P.I.No.:68149-0244 (LT) OWNERS: GRIMA, TAMMY LEE; GRIMA, RICHARD EVERET ROULFE ACCESS ON TNPI RIGHT-OF-WAY AREA = 1219 sq.m. (0.301 acres)
	TOTAL ACCESS ON PROPERTY AREA = 1739 sq.m. (0.430 acres)
	P.I.No.:68149-0250 (LT) OWNERS: MINISTER OF GOVERNMENT AND CONSUMER SERVICE ACCESS ON TNPI RIGHT-OF-WAY AREA = 1280 sq.m. (0.316 acres)
	WORKSPACE ON TNPI RIGHT-OF-WAY AREA = 1408 sq.m. (0.348 acres)
	P.I.No.:68149-0368 (LT) OWNERS: BUSH, SHEILA MARIE ACCESS ON TNPI RIGHT-OF-WAY AREA = 1204 sq.m. (0.297 acres)
	WORKSPACE ON TNPI RIGHT-OF-WAY AREA = 2863 sq.m. (0.707 acres)
	TOTAL WORKSPACE REQUIRED AREA = 4169 sq.m. (1.030 acres)

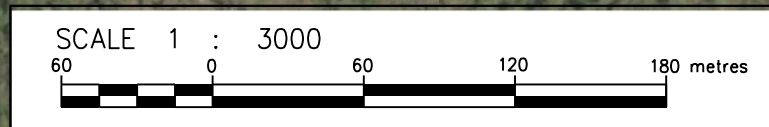
I/WE, THE LANDOWNER(S) OR OCCUPANT(S), CONSENT TO THE LOCATION OF THE DIG SITE AND TEMPORARY ACCESS AS SHOWN DATED THE _____ DAY OF _____, 202__.

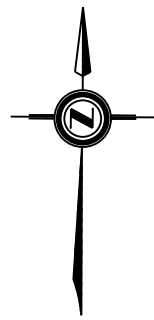
PROJECT: 22-23-408-039 22-23-408-040	GIRTH WELD: 32540 & 32720 & 32760 & 32900	Ortho Page 2 of 9	REV 00
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FILE: K:\22-23-408\040 MP-115 74-2021\DGN\REV00\040 MP-114 70 85 88-2021_REV00.dgn			





LOT 14 CONCESSION 2

LOT 13 CONCESSION 2

APPROX. LIMIT BETWEEN LOTS 13 AND 14, CONCESSION 2

↑
IROQUOIS

4.57m

SNOWMOBILE TRAIL

18.3m

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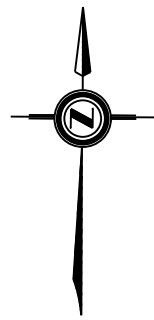
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LOT 14 CONCESSION 2

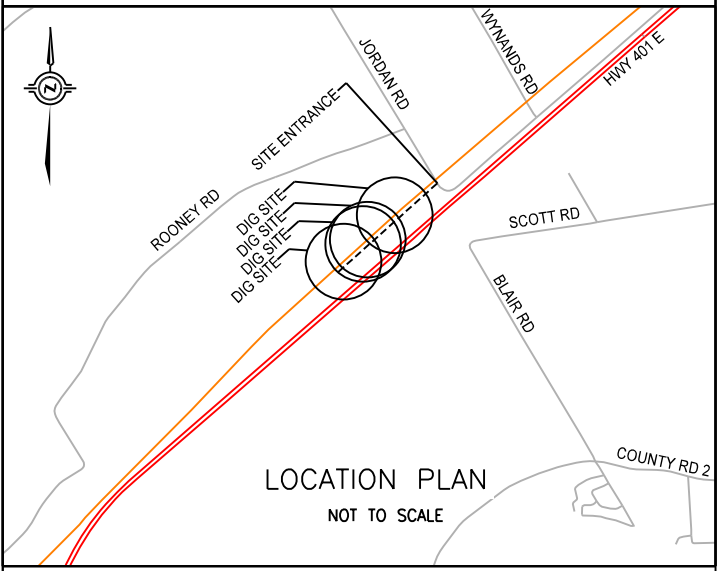
CAUTION: LEVEL 'B'
BURIED TNPI PIPELINE

PROPOSED ACCESS ROAD

IROQUOIS

TRANS-NORTHERN
PIPELINES INC.  Trans-North
Trans-Nord

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JORDAN RD, EDWARDSBURGH CARDINAL

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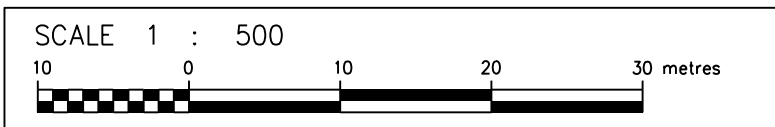
AREA REQUIRED

P.I.No.:68149-0368 (LT)
OWNERS: BUSH, SHEILA MARIE

	ACCESS ON TNPI RIGHT-OF-WAY AREA = 3143 sq.m. (0.777 acres)
	WORKSPACE ON TNPI RIGHT-OF-WAY AREA = 2863 sq.m. (0.707 acres)
	TOTAL WORKSPACE REQUIRED AREA = 4169 sq.m. (1.030 acres)

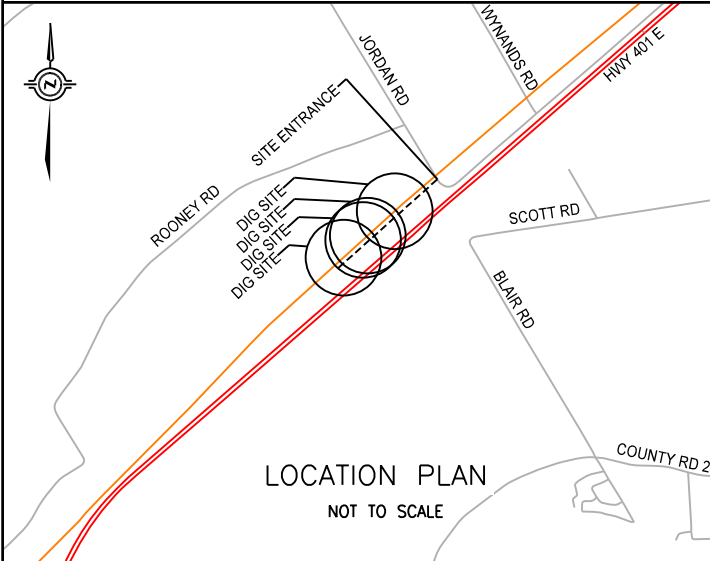
I/WE, THE LANDOWNER(S) OR OCCUPANT(S), CONSENT TO THE
LOCATION OF THE DIG SITE AND TEMPORARY ACCESS AS SHOWN
DATED THE _____ DAY OF _____, 202__.

PROJECT: 22-23-408-039 22-23-408-040	GIRTH WELD: 32540 & 32720 & 32760 & 32900	Topo Page 4 of 9	REV 00
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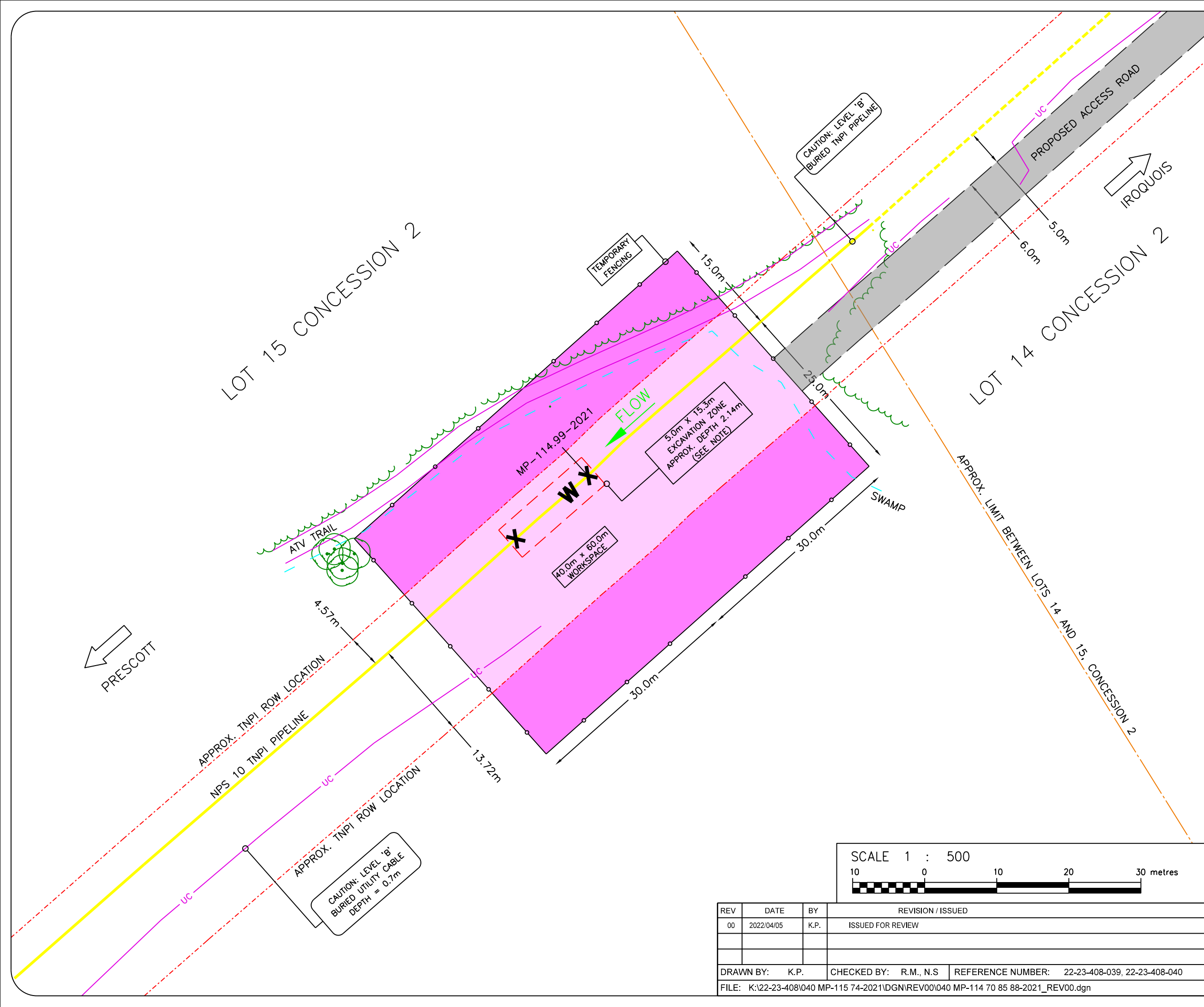
MUNICIPAL ADDRESS
JORDAN RD, EDWARDSBURGH CARDINAL

TOTAL ACCESS LENGTH: 777m

AREA REQUIRED	
P.I.No.:68149-0368 (LT) OWNERS: BUSH, SHEILA MARIE	
	ACCESS ON TNPI RIGHT-OF-WAY AREA = 1204 sq.m. (0.297 acres)
	WORKSPACE ON TNPI RIGHT-OF-WAY AREA = 2863 sq.m. (0.707 acres)
	TOTAL WORKSPACE REQUIRED AREA = 4169 sq.m. (1.030 acres)

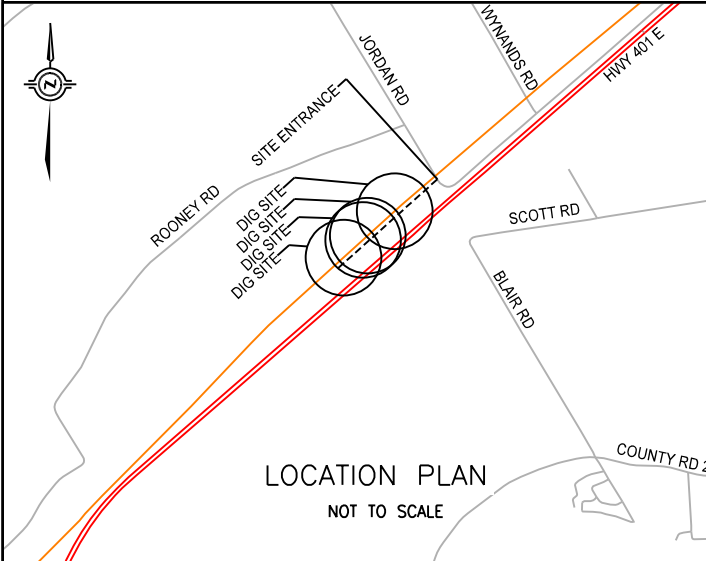
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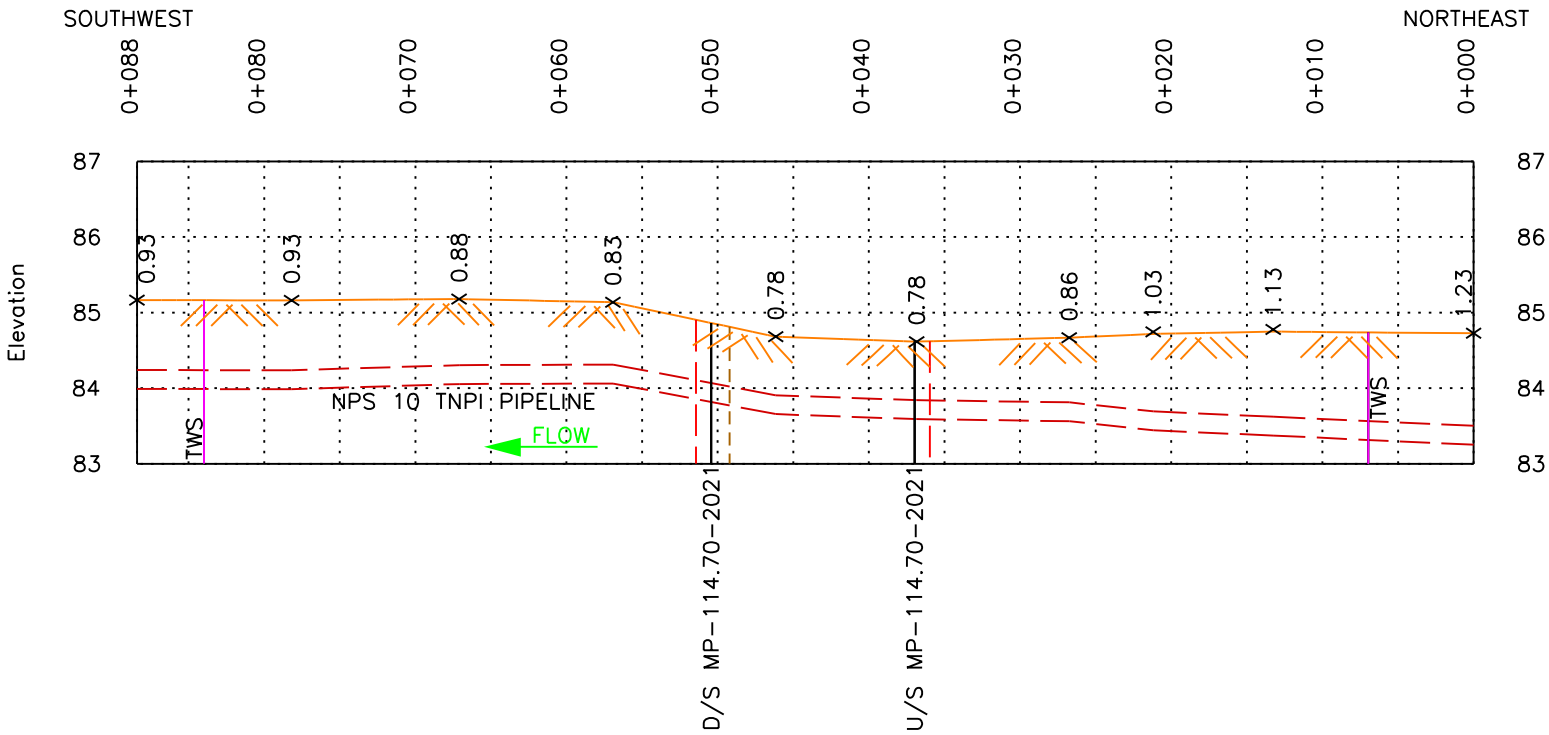


Description		
MP-114.70-2021 U/S Girth Weld	-12.205	
Target Feature	0.000	
MP-114.70-2021 D/S Girth Weld	1.215	

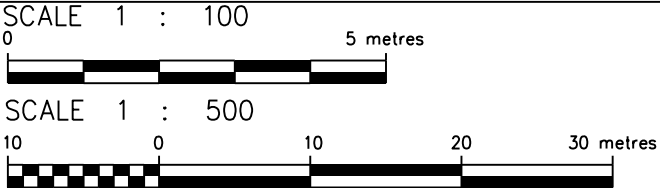
Surveyed Geo Coordinates (NAD 83)			
Weld	Latitude	Longitude	Depth
MP-114.70-2021 U/S	44.796202	-75.432296	0.78
Target Feature	44.796128	-75.432410	0.79
MP-114.70-2021 D/S	44.796121	-75.432422	0.79

PROJECT: 22-23-408-039 22-23-408-040	GIRTH WELD: 32540 & 32720 & 32760 & 32900	Profile Page 6 of 9	REV 00
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NPS 10 TNPI PIPELINE MP-114.70-2021

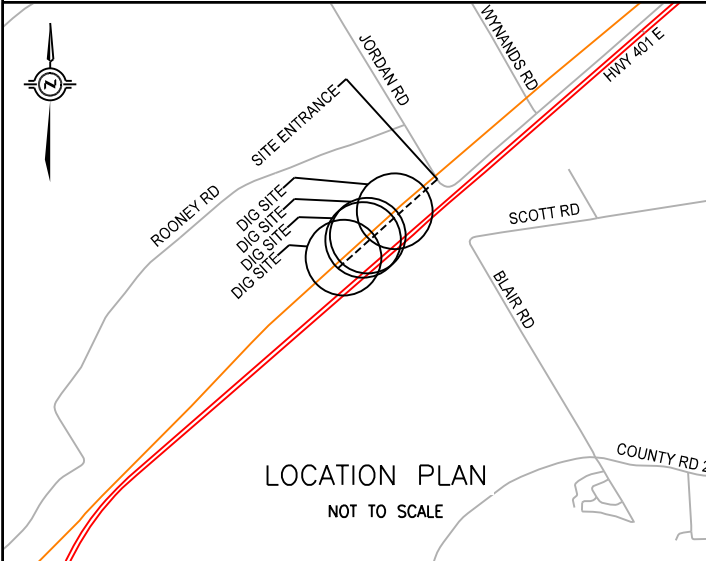


LEGEND	
GROUND SHOWN THUS:	
GIRTH WELD SHOWN THUS:	
TARGET FEATURE SHOWN THUS:	
EXCAVATION ZONE SHOWN THUS:	
TEMPORARY WORKSPACE SHOWN THUS:	



REV	DATE	BY	REVISION / ISSUED	
00	2022/04/05	K.P.	ISSUED FOR REVIEW	
DRAWN BY:		K.P.	CHECKED BY:	R.M., N.S
			REFERENCE NUMBER:	22-23-408-039, 22-23-408-040
FILE: K:\22-23-408\040 MP-115 74-2021\DGN\REV00\040 MP-114 70 85 88-2021_REV00.dgn				

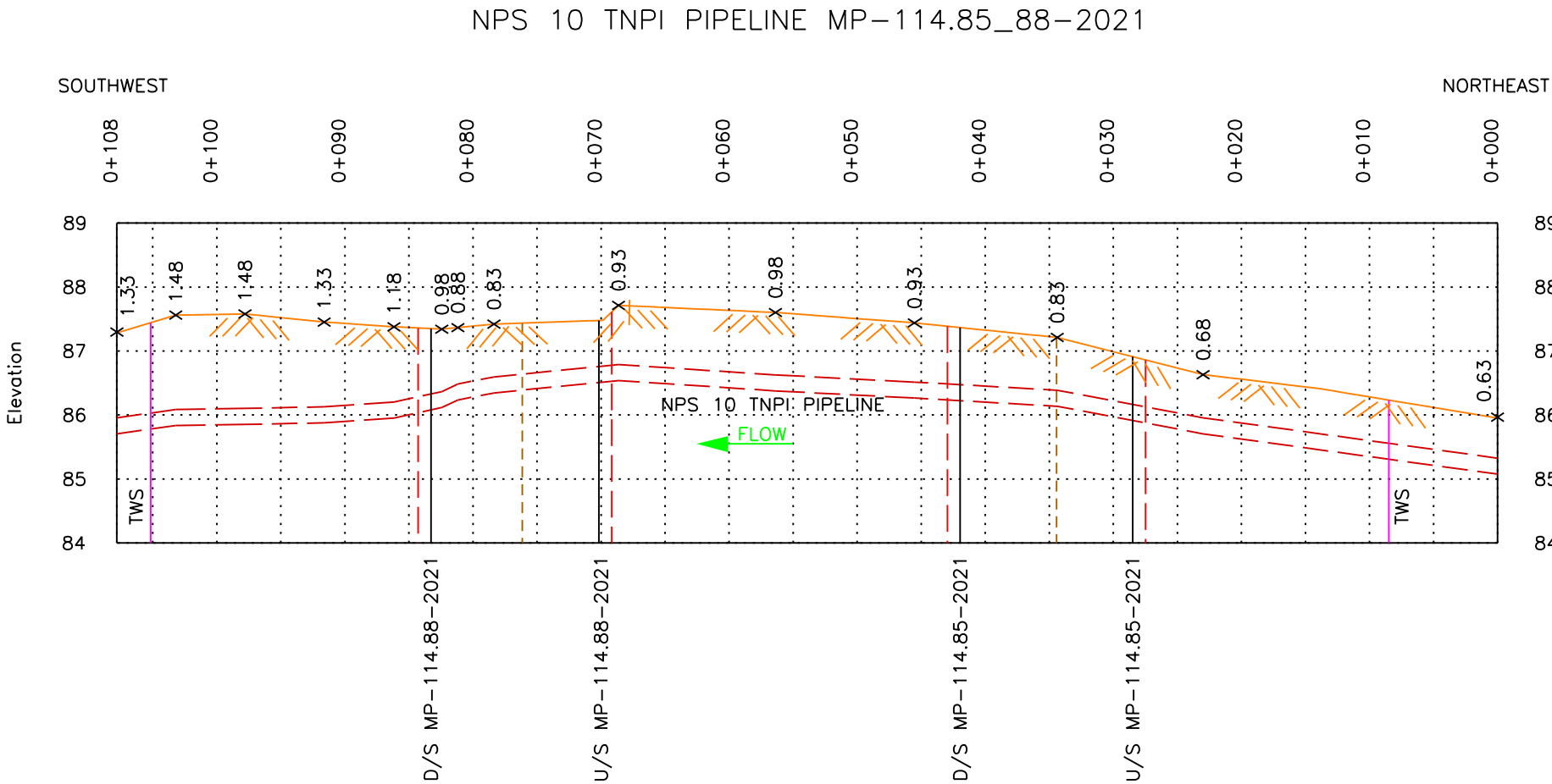
NPS 10, FP- DR
Block Valve Iroquois - Prescott
Dig Site and Temporary Access Road at
MP-114.70_85_88_99 - 2021,
Girth Weld # 32540 & 32720 & 32760 & 32900
Lot 13 & 14 & 15 Concession 2
Township of Edwardsburgh Cardinal
County of Leeds and Grenville



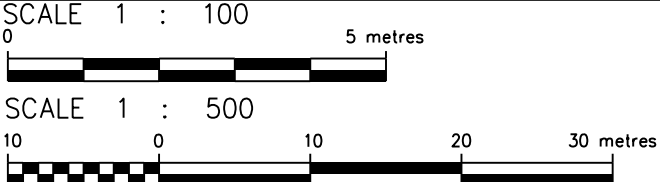
Description		
MP-114.85-2021 U/S Girth Weld		-5.935
Target Feature		0.000
MP-114.85-2021 D/S Girth Weld		7.505
MP-114.88-2021 U/S Girth Weld		-5.972
Target Feature		0.000
MP-114.88-2021 D/S Girth Weld		7.123

Surveyed Geo Coordinates (NAD 83)			
Weld	Latitude	Longitude	Depth
MP-114.85-2021 U/S	44.794764	-75.434567	0.75
Target Feature	44.794728	-75.434623	0.83
MP-114.85-2021 D/S	44.794683	-75.434693	0.89
MP-114.88-2021 U/S	44.794513	-75.434958	0.72
Target Feature	44.794477	-75.435015	0.80
MP-114.88-2021 D/S	44.794434	-75.435082	1.02

PROJECT: 22-23-408-039 22-23-408-040	GIRTH WELD: 32540 & 32720 & 32760 & 32900	Profile Page 7 of 9	REV 00
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LEGEND	
GROUND SHOWN THUS:	
GIRTH WELD SHOWN THUS:	
TARGET FEATURE SHOWN THUS:	
EXCAVATION ZONE SHOWN THUS:	
TEMPORARY WORKSPACE SHOWN THUS:	



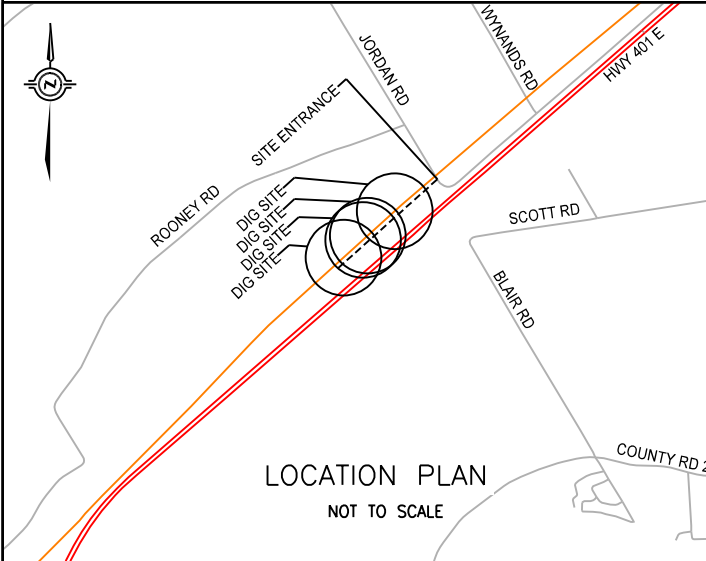
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DRAWN BY: K.P.		CHECKED BY: R.M., N.S	REFERENCE NUMBER: 22-23-408-039, 22-23-408-040
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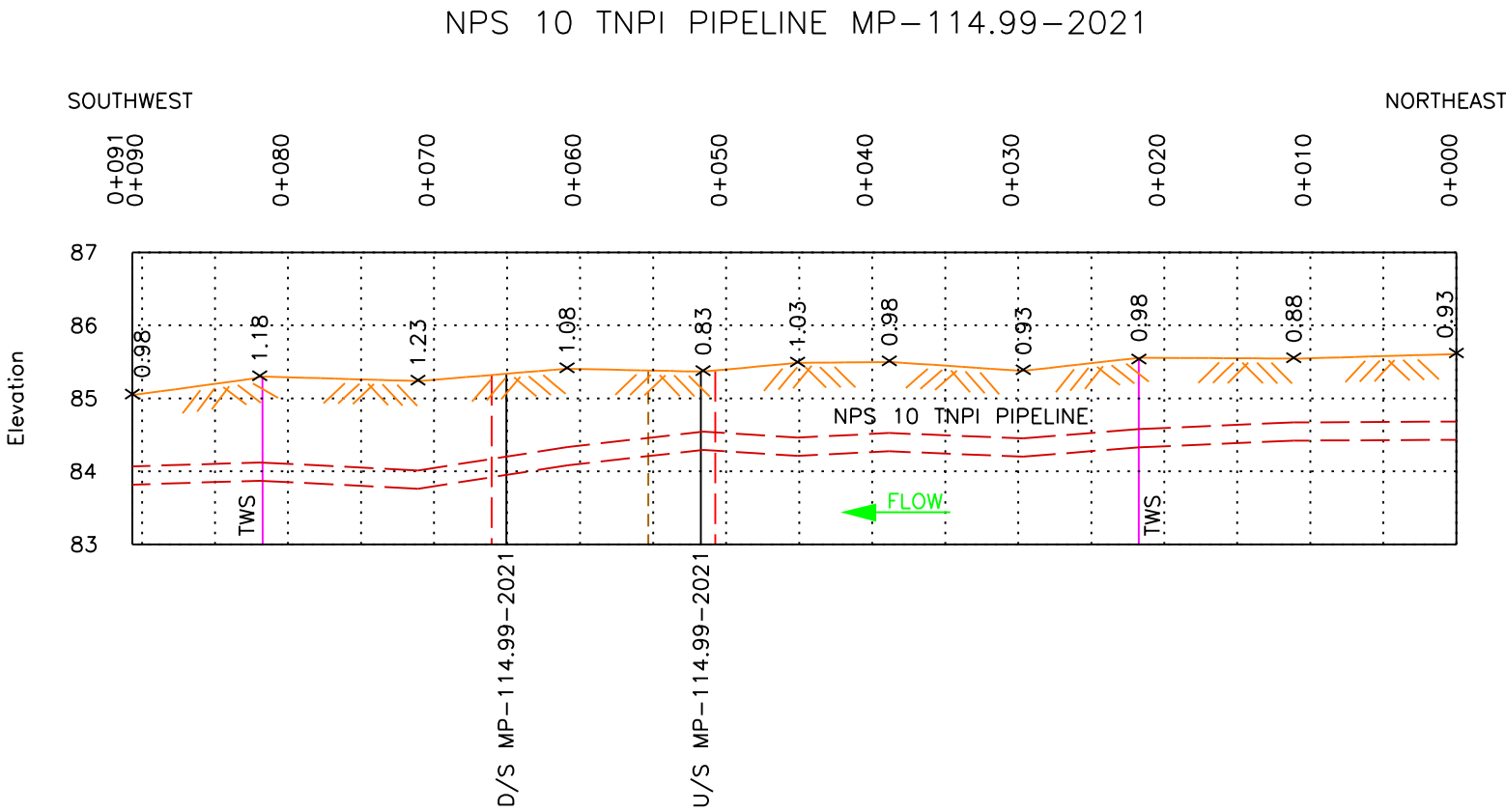
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Block Valve Iroquois - Prescott
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Township of Edwardsburgh Cardinal
County of Leeds and Grenville



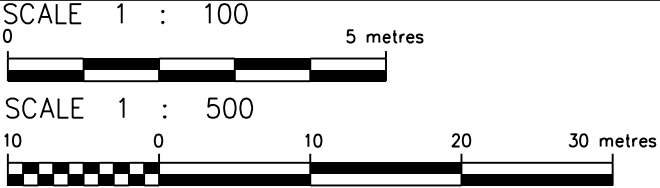
Description		
MP-114.99-2021 U/S Girth Weld	-3.588	
Target Feature	0.000	
MP-114.99-2021 D/S Girth Weld	9.773	

Surveyed Geo Coordinates (NAD 83)			
Weld	Latitude	Longitude	Depth
MP-114.99-2021 U/S	44.793463	-75.436608	0.83
Target Feature	44.793442	-75.436642	0.92
MP-114.99-2021 D/S	44.793384	-75.436734	1.14

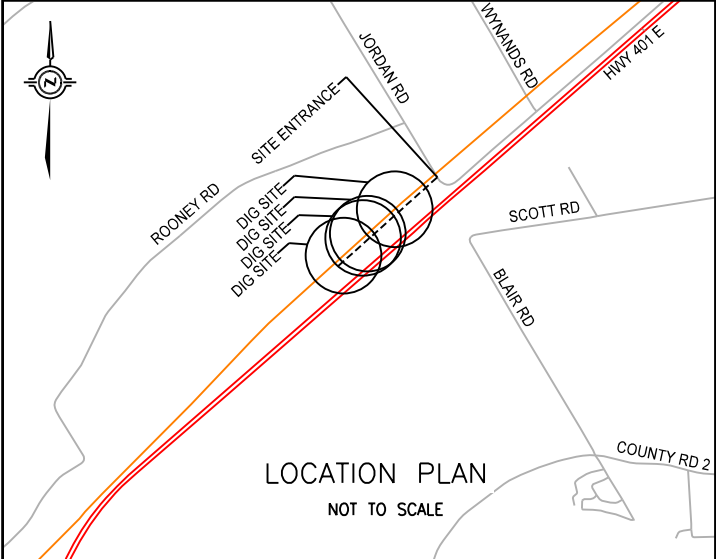
PROJECT: 22-23-408-039 22-23-408-040	GIRTH WELD: 32540 & 32720 & 32760 & 32900	Profile Page 8 of 9	REV 00
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LEGEND	
GROUND SHOWN THUS:	
GIRTH WELD SHOWN THUS:	
TARGET FEATURE SHOWN THUS:	
EXCAVATION ZONE SHOWN THUS:	
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PROJECT: 22-23-408-039 22-23-408-040	GIRTH WELD: 32540 & 32720 & 32760 & 32900	Doc Control Page 9 of 9	REV 00
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