

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 0.9996001
- 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:

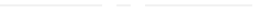
- QUALITY LEVEL "A" - INFORMATION OBTAINED BY ACTUAL PHYSICAL EXPOSURE OF TARGETED UTILITIES AND SUBSEQUENT MEASUREMENT OF THE EXPOSED PRECISE HORIZONTAL AND VERTICAL POSITION.
- QUALITY LEVEL "B" - INFORMATION OBTAINED USING GEOPHYSICAL LOCATE TECHNIQUES TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL 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:  E
- OVERHEAD TELEPHONE LINE SHOWN THUS:  T
- BURIED HYDRO CABLE SHOWN THUS:  UE
- BURIED CABLE SHOWN THUS:  UC
- BURIED WATERLINE SHOWN THUS:  W
- BURIED GAS PIPELINE SHOWN THUS:  G
- BURIED STORMLINE SHOWN THUS:  STM
- BURIED SANITATION LINE SHOWN THUS:  SAN
- GAS MARKER SHOWN THUS:  *
- UTILITY POLE SHOWN THUS:  HP
- LIGHT STANDARD SHOWN THUS:  LSD
- MANHOLE SHOWN THUS:  MH
- SIGN SHOWN THUS:  SIGN
- CATCH BASIN SHOWN THUS:  CB
- GATE SHOWN THUS:  □
- POST SHOWN THUS:  •
- WATER VALVE SHOWN THUS:  WV
- WATER KEY SHOWN THUS:  WK
- WATER CHAMBER SHOWN THUS:  CH
- MONITORING WELL SHOWN THUS:  M-Well
- FIRE HYDRANT SHOWN THUS:  FH
- TRAFFIC SIGNAL CONTROL SHOWN THUS:  SI
- HYDRO JUNCTION BOX SHOWN THUS:  □
- TRAFFIC SIGNAL SHOWN THUS:  TL
- MANHOLE TELEPHONE SHOWN THUS:  MHT
- MUSTER POINT SHOWN THUS:  ☆
- UNKNOWN VALVE  UV

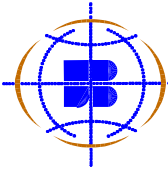
NPS 10, FP-DR
Block Valve Iroquois-Prescott
Dig Site and Temporary Access Road at
MP-113.22_34_36_40_51_56- 2021,
Girth Weld # 30650, 30780, 30810, 30860, 30990, 31050
Lots 7,8 & 9 , Concession 2
Township of Edwardsburgh
Edwardsburgh/Cardinal

Description		
MP-113.22-2021 U/S Girth Weld	-5.125	
Target Feature	0.000	
MP-113.22-2021 D/S Girth Weld	8.368	
MP-113.34-2021 U/S Girth Weld	-7.779	
Target Feature	0.000	
MP-113.34-2021 D/S Girth Weld	5.652	
MP-113.36-2021 U/S Girth Weld	-6.800	
Target Feature	0.000	
MP-113.36-2021 D/S Girth Weld	6.428	
MP-113.40-2021 U/S Girth Weld	-1.539	
Target Feature	0.000	
MP-113.40-2021 D/S Girth Weld	11.911	
MP-113.51-2021 U/S Girth Weld	-0.936	
Target Feature	0.000	
MP-113.51-2021 D/S Girth Weld	13.552	
MP-113.56-2021 U/S Girth Weld	-0.654	
Target Feature	0.000	
MP-113.56-2021 D/S Girth Weld	12.806	

Surveyed Geo Coordinates (NAD 83)			
Weld	Latitude	Longitude	Depth
MP-113.22-2021 U/S	44.809947	-75.409439	1.08
Target Feature	44.809916	-75.409486	1.23
MP-113.22-2021 D/S	44.809865	-75.409563	1.13
MP-113.34-2021 U/S	44.808928	-75.411200	0.88
Target Feature	44.808883	-75.411278	0.83
MP-113.34-2021 D/S	44.808852	-75.411335	0.88
MP-113.36-2021 U/S	44.808700	-75.411603	0.97
Target Feature	44.808666	-75.411675	1.01
MP-113.36-2021 D/S	44.808630	-75.411738	1.07
MP-113.40-2021 U/S	44.808402	-75.412159	0.81
Target Feature	44.808393	-75.412174	0.84
MP-113.40-2021 D/S	44.808328	-75.412294	0.92
MP-113.51-2021 U/S	44.807435	-75.413914	0.90
Target Feature	44.807436	-75.413921	0.89
MP-113.51-2021 D/S	44.807362	-75.414058	0.76
MP-113.56-2021 U/S	44.806965	-75.414726	0.90
Target Feature	44.806962	-75.414731	0.89
MP-113.56-2021 D/S	44.806890	-75.414858	1.06

PROJECT: 22-23-408-038	GIRTH WELD: # 30650, 30780, 30810, 30860, 30990, 31050	Notes Page 1 of 9	REV 00
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DRAWN BY: D.S.		CHECKED BY: R.M., C.K.	REFERENCE NUMBER: 22-23-408-038	
FILE: K:\22-23-408\038 MP-113 34_36-2021\DGNI038 mp-113.34_36-2021_REV00.dgn				



J.D.BARNES

LIMITED

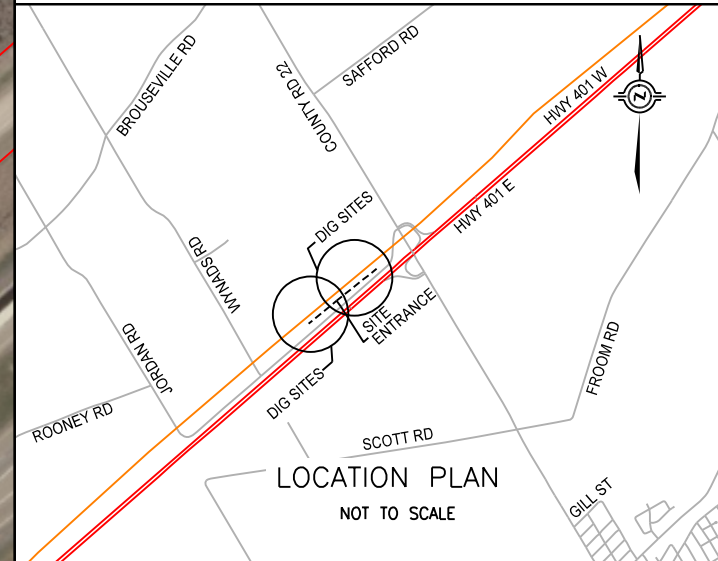
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NPS 10, FP-DR
Block Valve Iroquois-Prescott
Dig Site and Temporary Access Road at
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Girth Weld # 30650, 30780, 30810, 30860, 30990, 31050
Lots 7,8 & 9 , Concession 2
Township of Edwardsburgh
Edwardsburgh/Cardinal



MUNICIPAL ADDRESS

JORDAN RD, EDWARDSBURGH

TOTAL ACCESS LENGTH: 360m

AREA REQUIRED

P.I.No.: 68149-0215 (LT);
OWNERS: LEARMONTH, HUBERT JAMES;
LEARMONTH, DAVID ROBERT

ACCESS ON TNPI RIGHT-OF-WAY
AREA = 1611 sq.m. (0.398 acres)

TOTAL ACCESS REQUIRED
AREA = 2749 sq.m. (0.679 acres)

TOTAL WORKSPACE REQUIRED
AREA = 5205 sq.m. (1.286 acres)

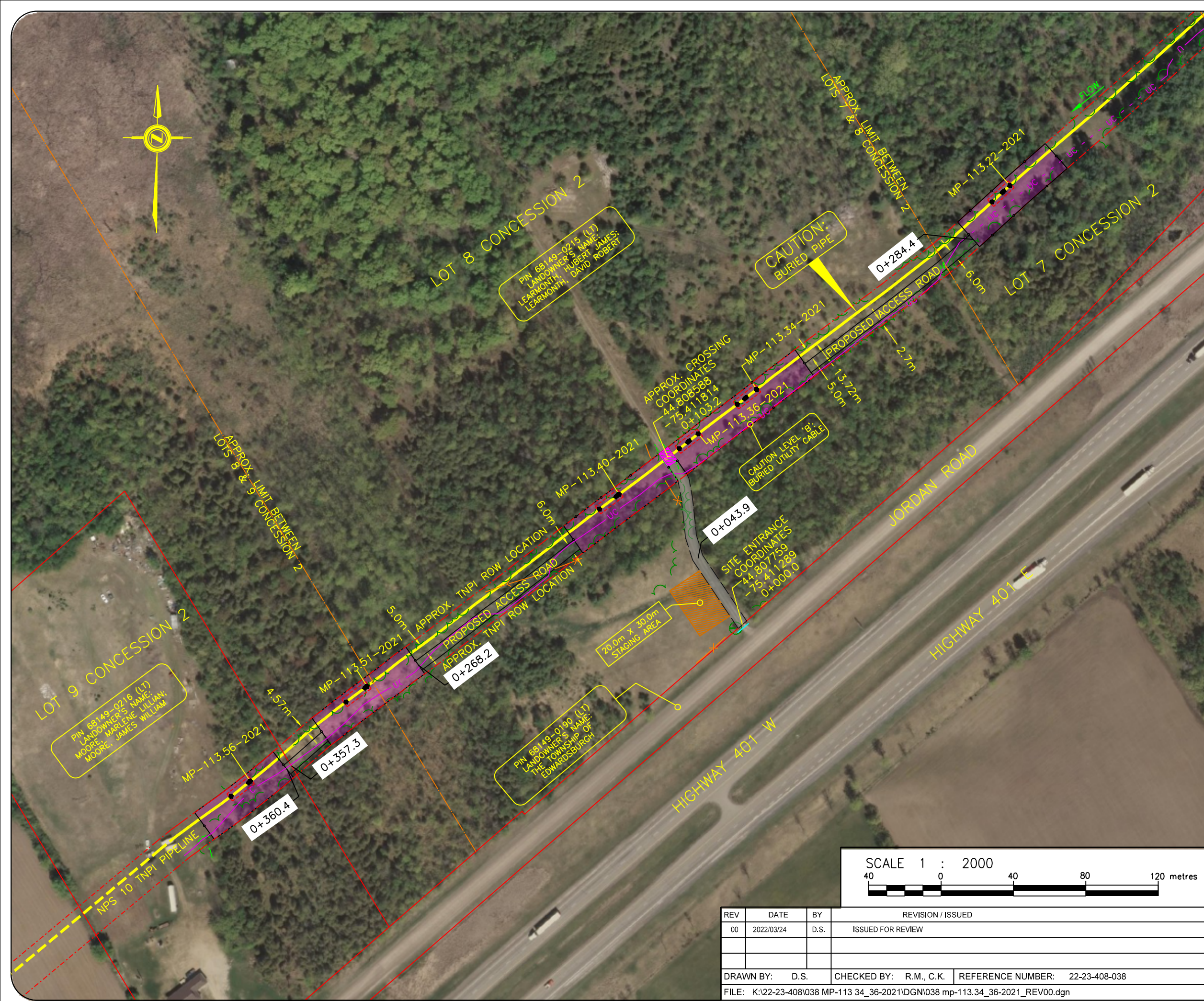
P.I.No.: 68149-0216 (LT)
OWNERS: MOORE, MARLENE LILLIAN;
MOORE, JAMES WILLIAM

TOTAL ACCESS REQUIRED
AREA = 19 sq.m. (0.004 acres)

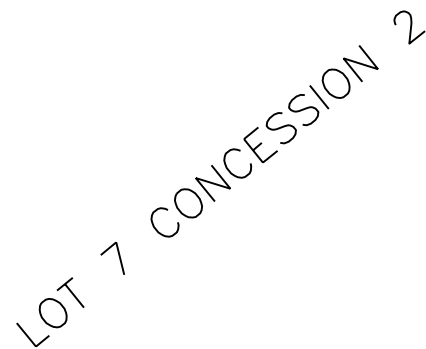
WORKSPACE ON TNPI RIGHT-OF-WAY
AREA = 1009 sq.m. (0.249 acres)

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: 22-23-408-038	GIRTH WELD: # 30650, 30780, 30810, 30860, 30990, 31050	Ortho Page 2 of 9	REV 00
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LOT 8 CONCESSION 2

~~APPROX. LIMIT BETWEEN
LOTS 7 & 8 CONCESSION 2~~

ГМР-113.22-2021

5.0m x 15.0m
EXCAVATION ZONE
APPROX. DEPTH 2.35m
(SEE NOTE)

18.3m x 65.0m
WORKSPACE

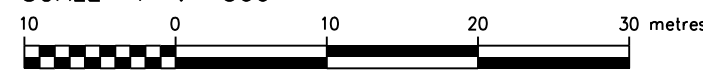
CAUTION: LEVEL 'D'
BURIED UTILITY CABLE

CAUTION: LEVEL 'B'
DURING TNPI PIPELINE



CAUTION: LEVEL 'B'
BURIED UTILITY CABLE
DEPTH = 0.65m

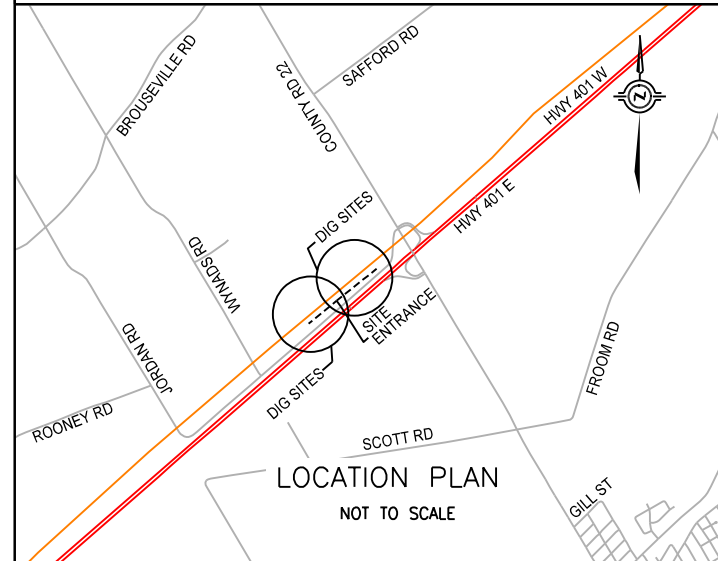
SCALE 1 : 500



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TRANS-NORTHERN
PIPELINES INC.

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MUNICIPAL ADDRESS
JORDAN RD, EDWARDSBURGH

TOTAL ACCESS LENGTH:	360m
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AREA REQUIRED

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	TOTAL WORKSPACE REQUIRED AREA = 5205 sq.m. (1.286 acres)

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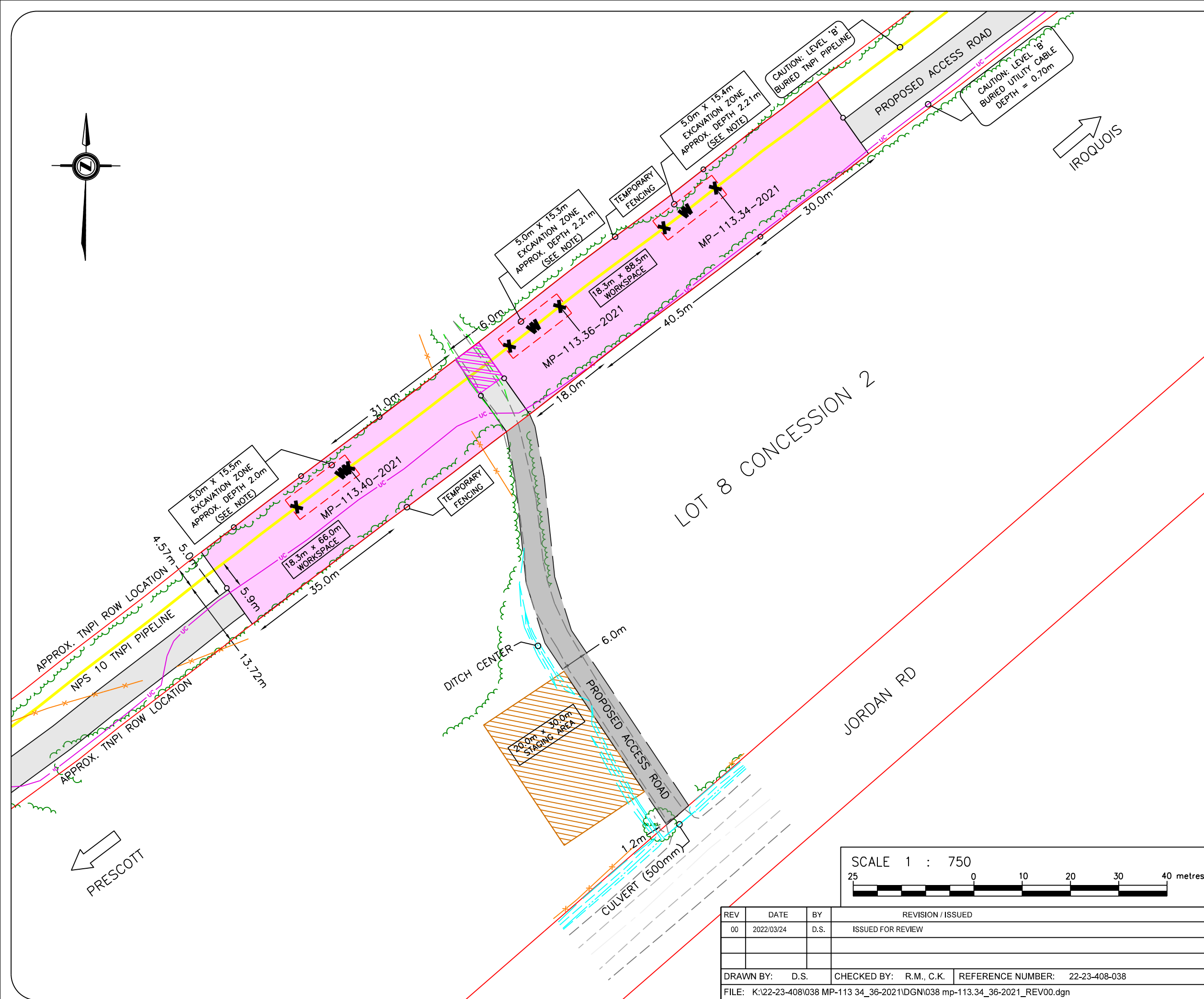
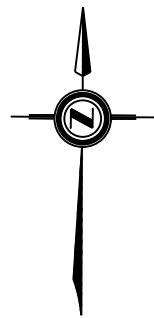
	TOTAL ACCESS REQUIRED AREA = 19 sq.m. (0.004 acres)
	WORKSPACE ON TNPI RIGHT-OF-WAY AREA = 1009 sq.m. (0.249 acres)

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DATED THE DAY OF , 202 .

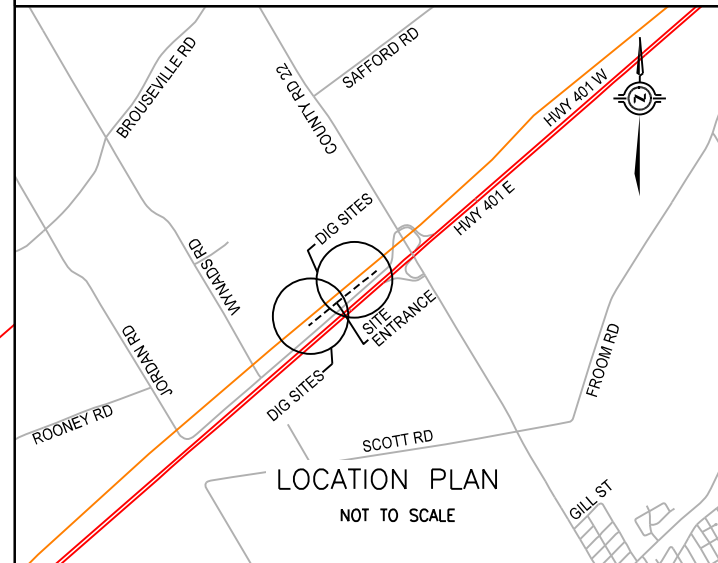
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DATE PRINTED: 4/8/2021



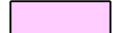
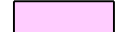
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Township of Edwardsburgh
Edwardsburgh/Cardinal



MUNICIPAL ADDRESS
JORDAN RD, EDWARDSBURGH

TOTAL ACCESS LENGTH: 360m

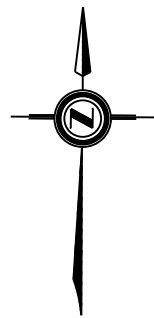
AREA REQUIRED

	P.I.No.: 68149-0215 (LT); OWNERS: LEARMONTH, HUBERT JAMES; LEARMONTH, DAVID ROBERT
	ACCESS ON TNPI RIGHT-OF-WAY AREA = 1611 sq.m. (0.398 acres)
	TOTAL ACCESS REQUIRED AREA = 2749 sq.m. (0.679 acres)
	TOTAL WORKSPACE REQUIRED AREA = 5205 sq.m. (1.286 acres)
	P.I.No.: 68149-0216 (LT); OWNERS: MOORE, MARLENE LILLIAN; MOORE, JAMES WILLIAM
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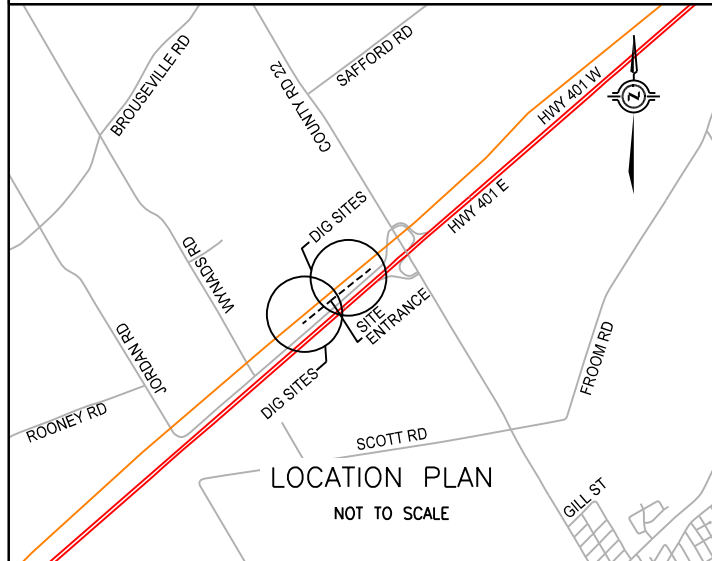
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TOTAL ACCESS LENGTH: 360m

AREA REQUIRED

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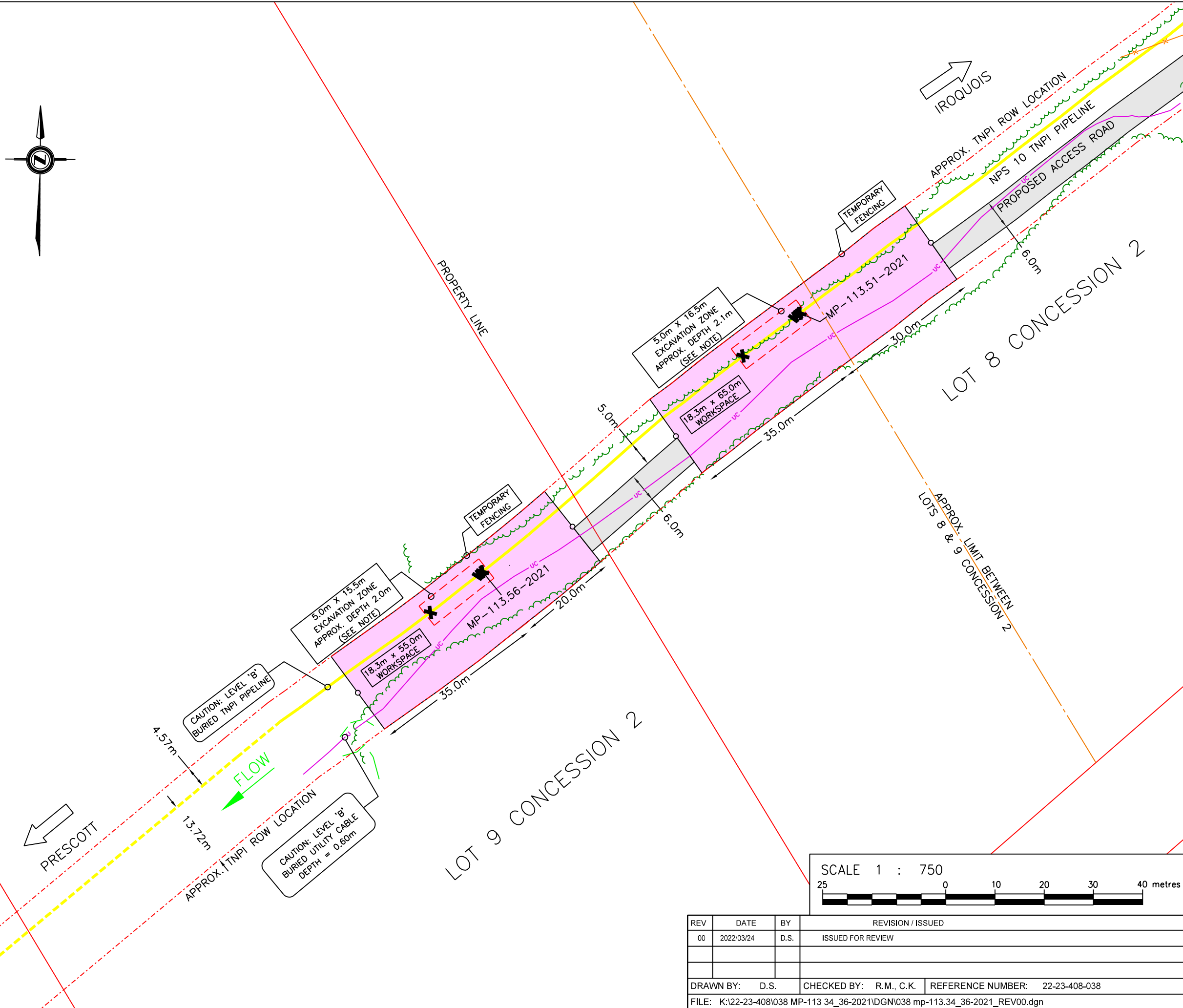
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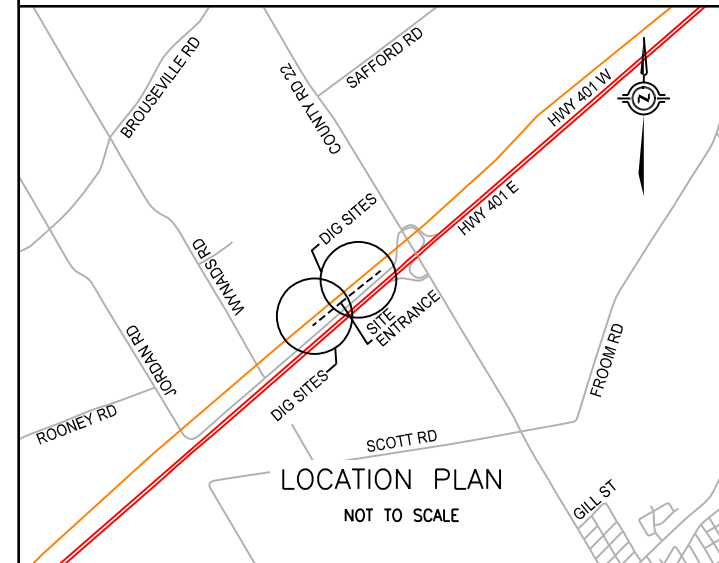
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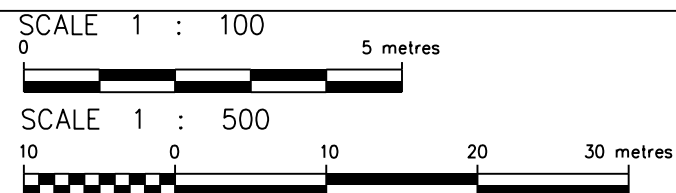


Description			
MP-113.22-2021 U/S	Girth Weld		-7.779
	Target Feature		0.000
MP-113.22-2021 D/S	Girth Weld		5.652
Surveyed Geo Coordinates (NAD 83)			
Weld	Latitude		Depth
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LEGEND

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



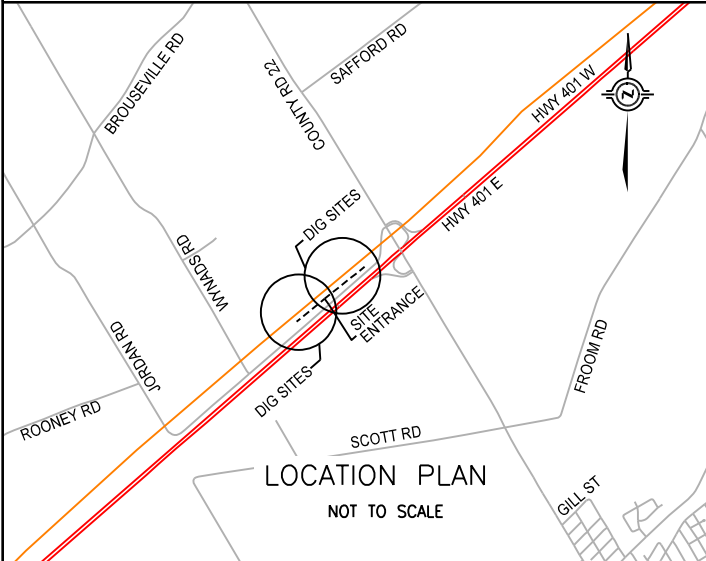
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FILE: K:\22-23-408\038 MP-113 34 36-2021\DGN\038 mp-113.34 36-2021 REV00.dgn					

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Target Feature	44.808393	-75.412174	0.84
MP-113.40-2021 D/S	44.808328	-75.412294	0.92

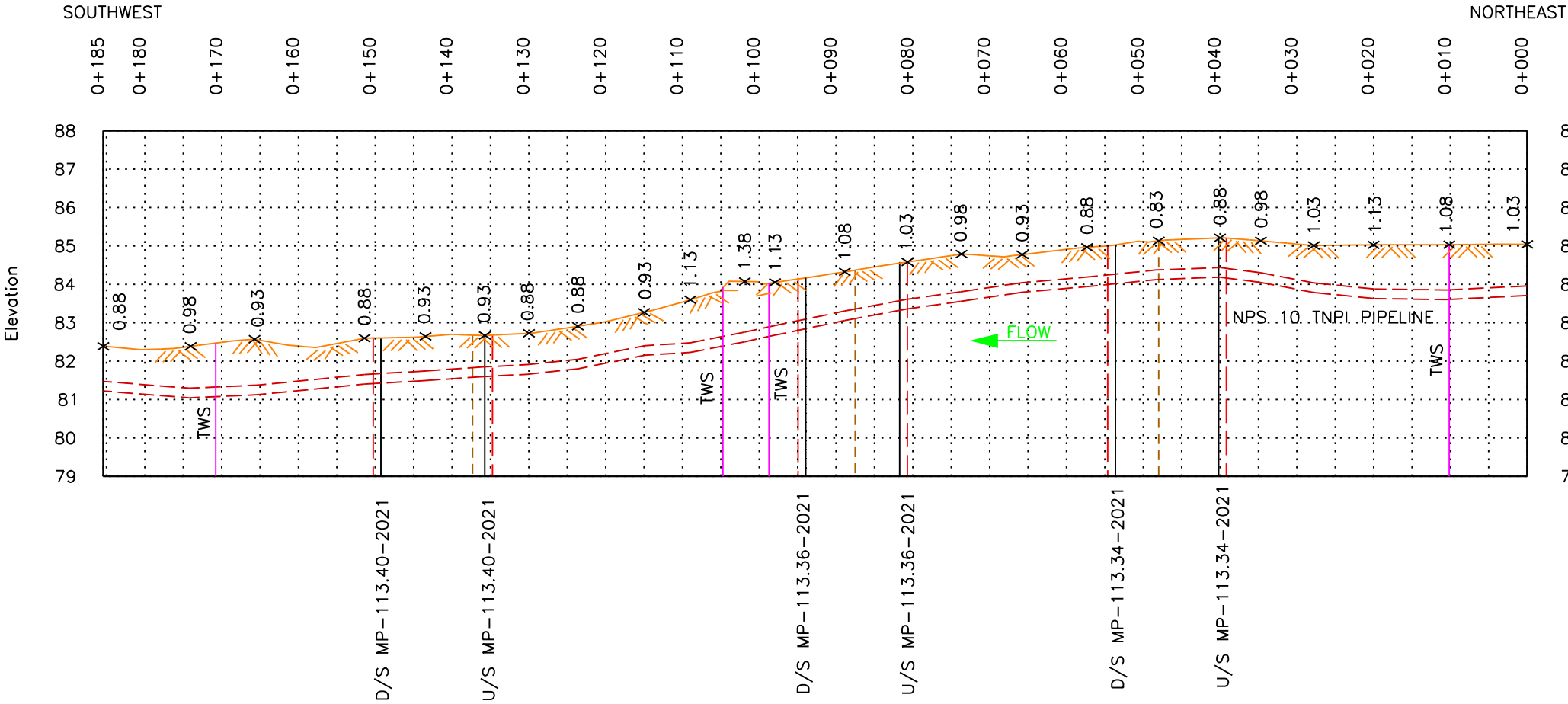
PROJECT:
22-23-408-038

GIRTH WELD:
30650, 30780, 30810,
30860, 30990, 31050

Profile
Page 7 of 9

REV 00

NPS 10 TNPI PIPELINE E (MP-113.34, MP-113.36 & MP-113.40-2021



LEGEND

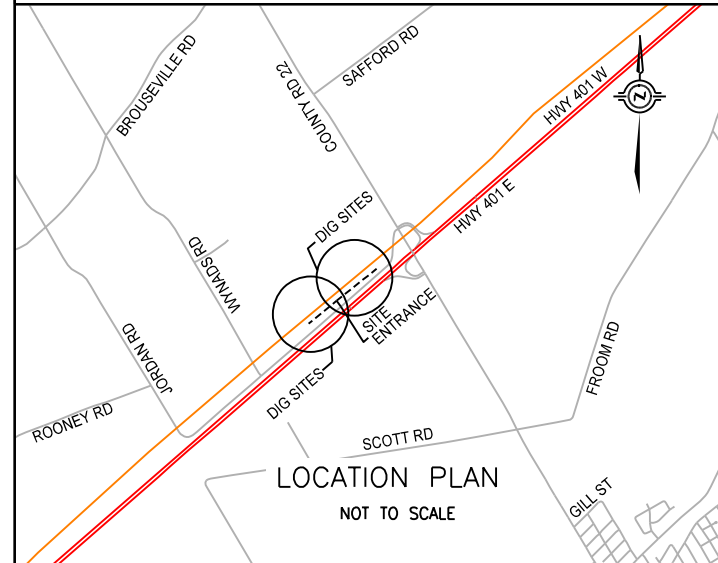
GROUND SHOWN THUS:
GIRTH WELD SHOWN THUS:
TARGET FEATURE SHOWN THUS:
EXCAVATION ZONE SHOWN THUS:
TEMPORARY WORKSPACE SHOWN THUS:

SCALE 1 : 100
0 5 metres

SCALE 1 : 750
25 0 10 20 30 40 metres

REV	DATE	BY	REVISION / ISSUED	
00	2022/03/24	D.S.	ISSUED FOR REVIEW	
DRAWN BY: D.S.		CHECKED BY: R.M., C.K.	REFERENCE NUMBER: 22-23-408-038	
FILE: K:\22-23-408\038 MP-113 34_36-2021\DGN\038 mp-113.34_36-2021_REV00.dgn				

NPS 10, FP-DR
Block Valve Iroquois-Prescott
Dig Site and Temporary Access Road at
MP-113.22_34_36_40_51_56- 2021,
Girth Weld # 30650, 30780, 30810, 30860, 30990, 31050
Lots 7,8 & 9 , Concession 2
Township of Edwardsburgh
Edwardsburgh/Cardinal

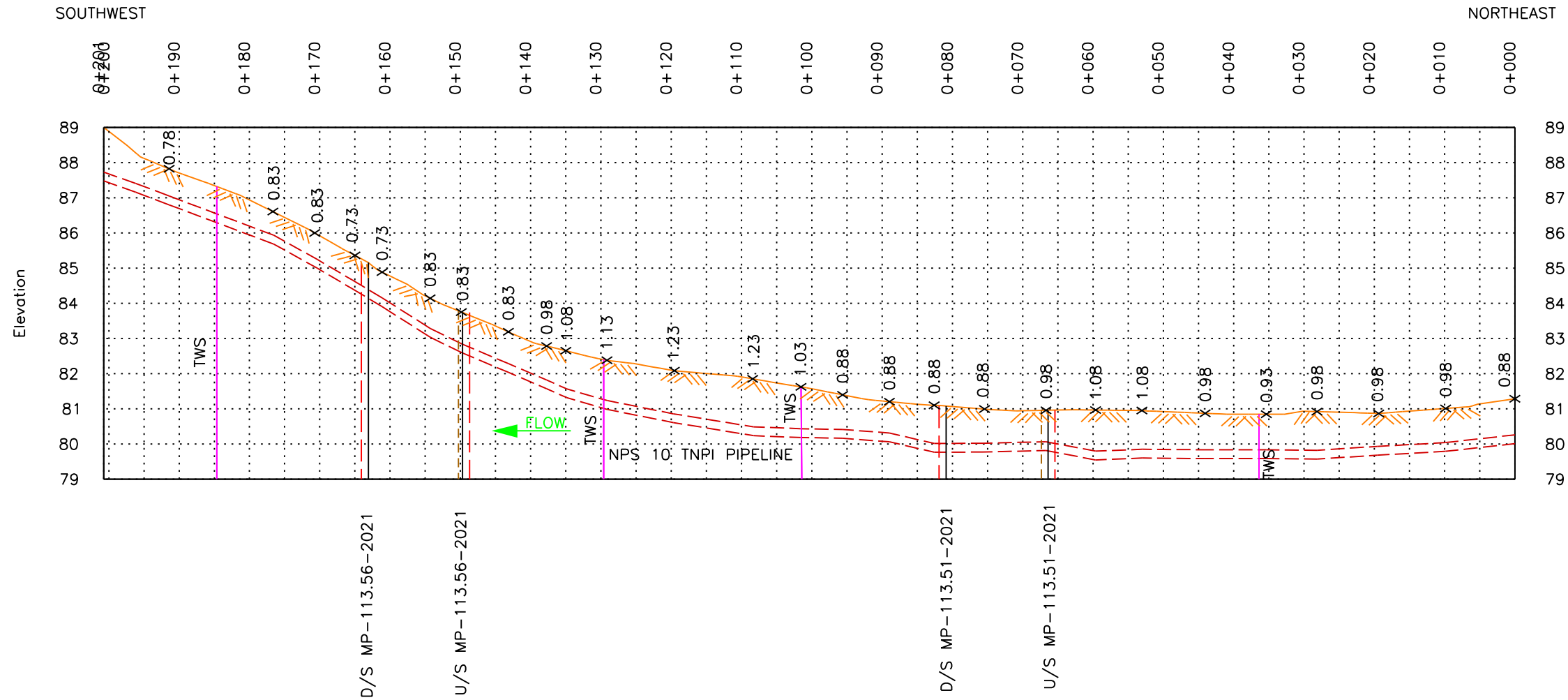


Description			
MP-113.51-2021 U/S Girth Weld		-0.936	
Target Feature		0.000	
MP-113.51-2021 D/S Girth Weld		13.552	
MP-113.56-2021 U/S Girth Weld		-0.654	
Target Feature		0.000	
MP-113.56-2021 D/S Girth Weld		12.806	
Surveyed Geo Coordinates (NAD 83)			
Weld	Latitude	Longitude	Depth
MP-113.51-2021 U/S	44.807807	-75.413914	0.90
Target Feature	44.807436	-75.413921	0.89
MP-113.51-2021 D/S	44.807362	-75.414058	0.76
MP-113.56-2021 U/S	44.806965	-75.414726	0.90
Target Feature	44.806962	-75.414731	0.89
MP-113.56-2021 D/S	44.806890	-75.414858	1.06

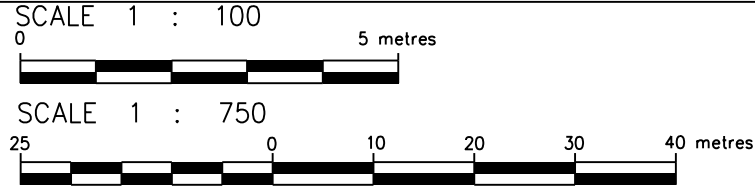
PROJECT: 22-23-408-038	GIRTH WELD: # 30650, 30780, 30810, 30860, 30990, 31050	Profile Page 8 of 9	REV 00
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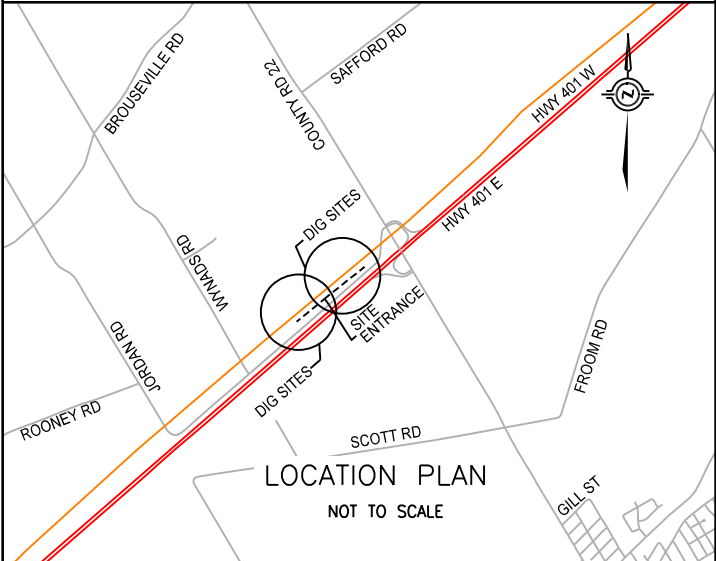
NPS 10 TNPI PIPELINE (MP-133.56_51-2021)



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	2022/03/24	D.S.	ISSUED FOR REVIEW		
DRAWN BY: D.S.		CHECKED BY: R.M., C.K.		REFERENCE NUMBER: 22-23-408-038	
FILE: K:\22-23-408\038 MP-113 34 36-2021\DGN\038 mp-113.34 36-2021 REV00.dgn					



Document Request Sent	Response Received
TNPI	☒
HYDRO ONE	☒
BELL	☒
ENBRIDGE GAS	☒

REV	DATE	BY	REVISION / ISSUED
00	2022/03/24	D.S.	ISSUED FOR REVIEW
DRAWN BY: D.S.		CHECKED BY: R.M., C.K.	REFERENCE NUMBER: 22-23-408-038
FILE: K:\22-23-408\038 MP-113 34_36-2021\DGNI038 mp-113.34_36-2021_REV00.dgn			