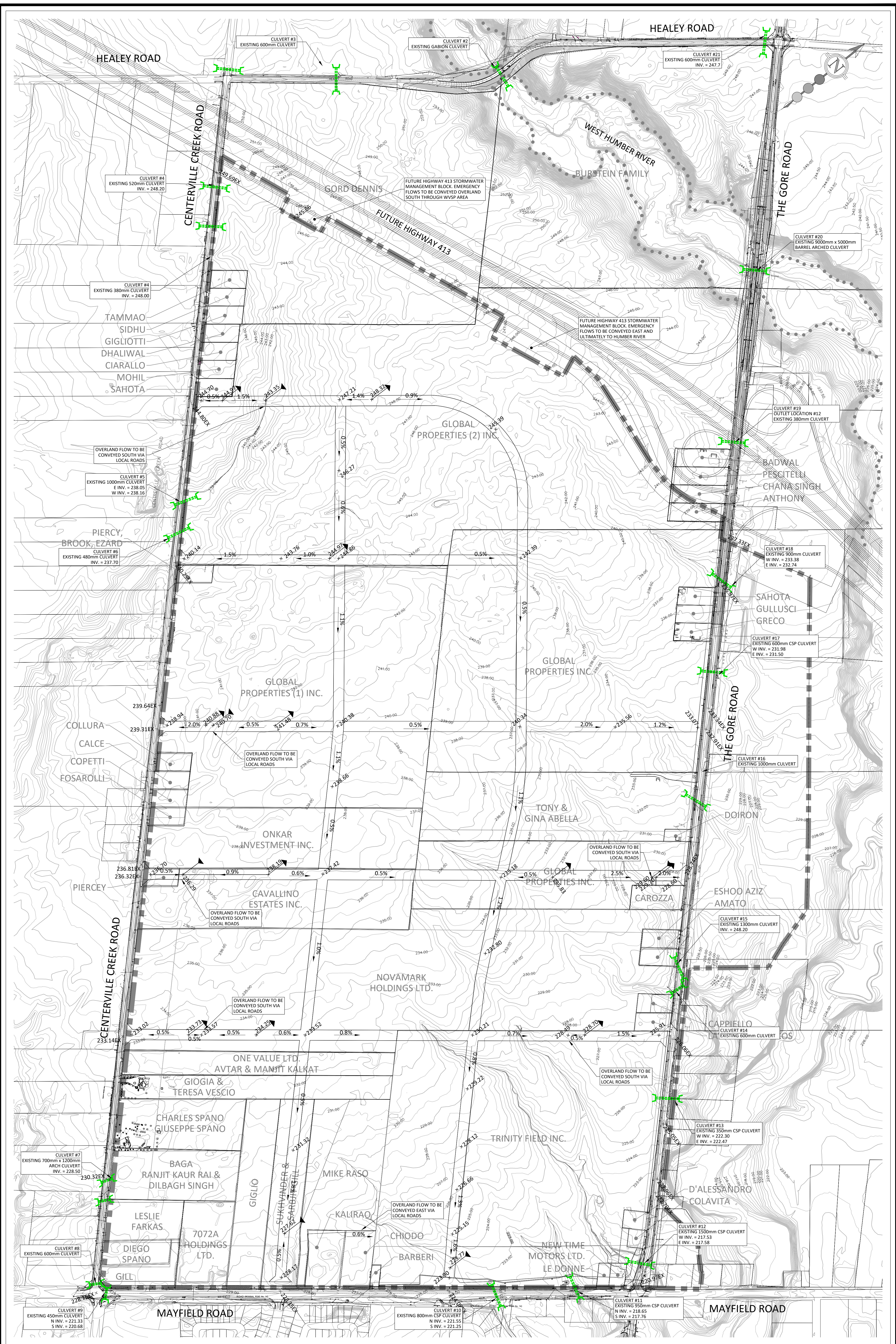

APPENDIX E

SECTION 5: GRADING AND MUNICIPAL SERVICING

APPENDIX E1

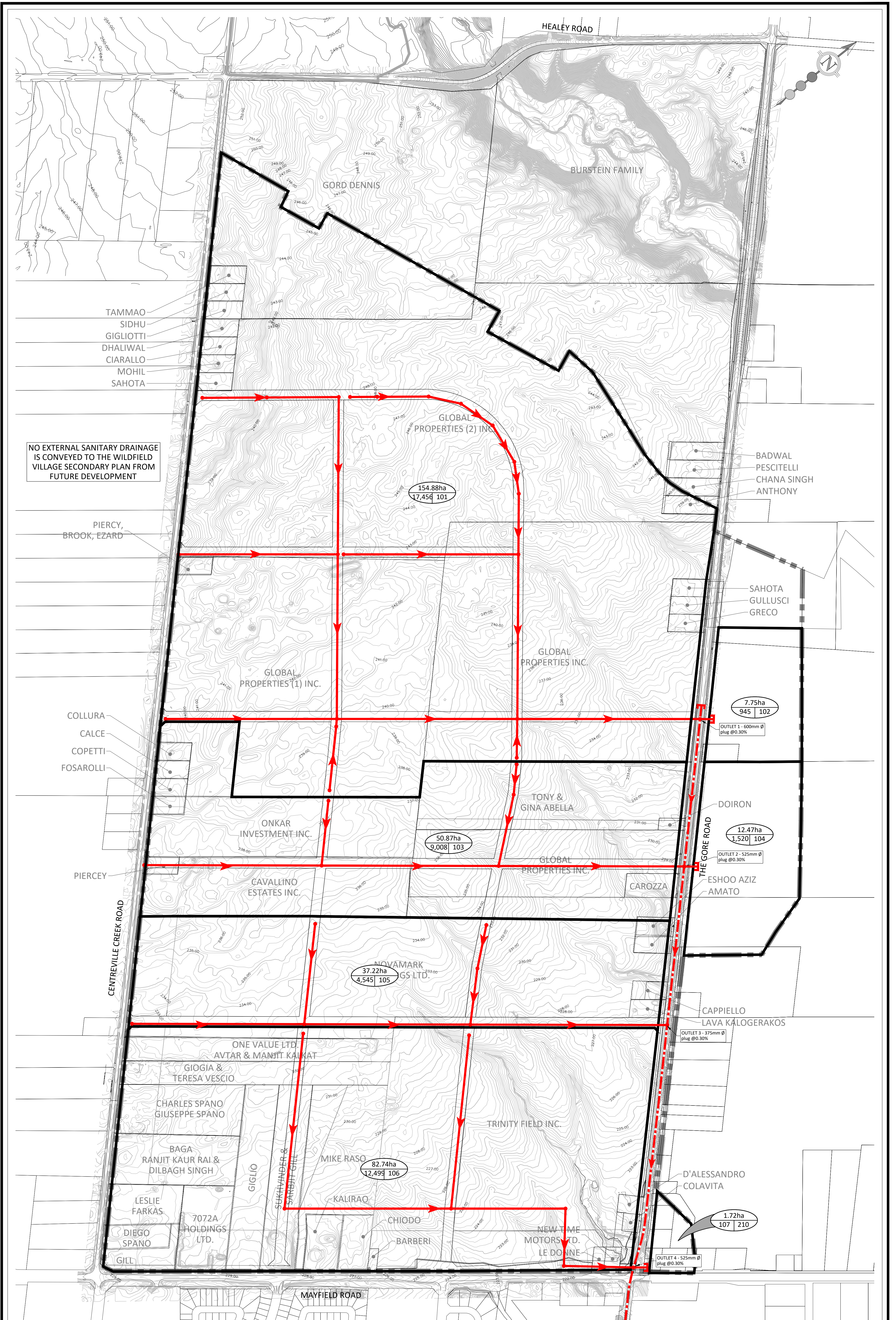
FIGURES



LEGEND:	
	WILDFIELD VILLAGE SECONDARY PLAN (WVSP) AREA LIMITS
	EXISTING CONTOUR AND ELEVATION
	REGIONAL FLOODLINE
	0.5%
	× 194.98
	× 189.94EX
	EXISTING CULVERT

WILDFIELD VILLAGE		PRELIMINARY GRADING PLAN	
DESIGNED BY: R.R.B.	CHECKED BY: A.R.K.	PROJECT No:	FIGURE No:
SCALE: 1:4000	DATE: JANUARY 2025	2630	5.1

30 CENTURIAN DRIVE, SUITE 100
 MARKHAM, ONTARIO L3R 8B8
 TEL: (905) 475-1900
 FAX: (905) 475-8335



NO EXTERNAL SANITARY DRAINAGE IS CONVEYED TO THE WILDFIELD VILLAGE SECONDARY PLAN FROM FUTURE DEVELOPMENT

*NOTE: LAYOUT IS SCHEMATIC ONLY, DETAILS TO BE PROVIDED AT DETAILED DESIGN STAGE

LEGEND:

- WILDFIELD VILLAGE SECONDARY PLAN (WVSP) AREA LIMITS
- SANITARY DRAINAGE BOUNDARY
- PROPOSED SANITARY SEWER AND MAINTENANCE HOLE
- FUTURE 750mmØ SANITARY SEWER AND MAINTENANCE HOLE
- DRAINAGE AREA (HECTARES)
- CATCHMENT ID
- POPULATION

WILDFIELD VILLAGE

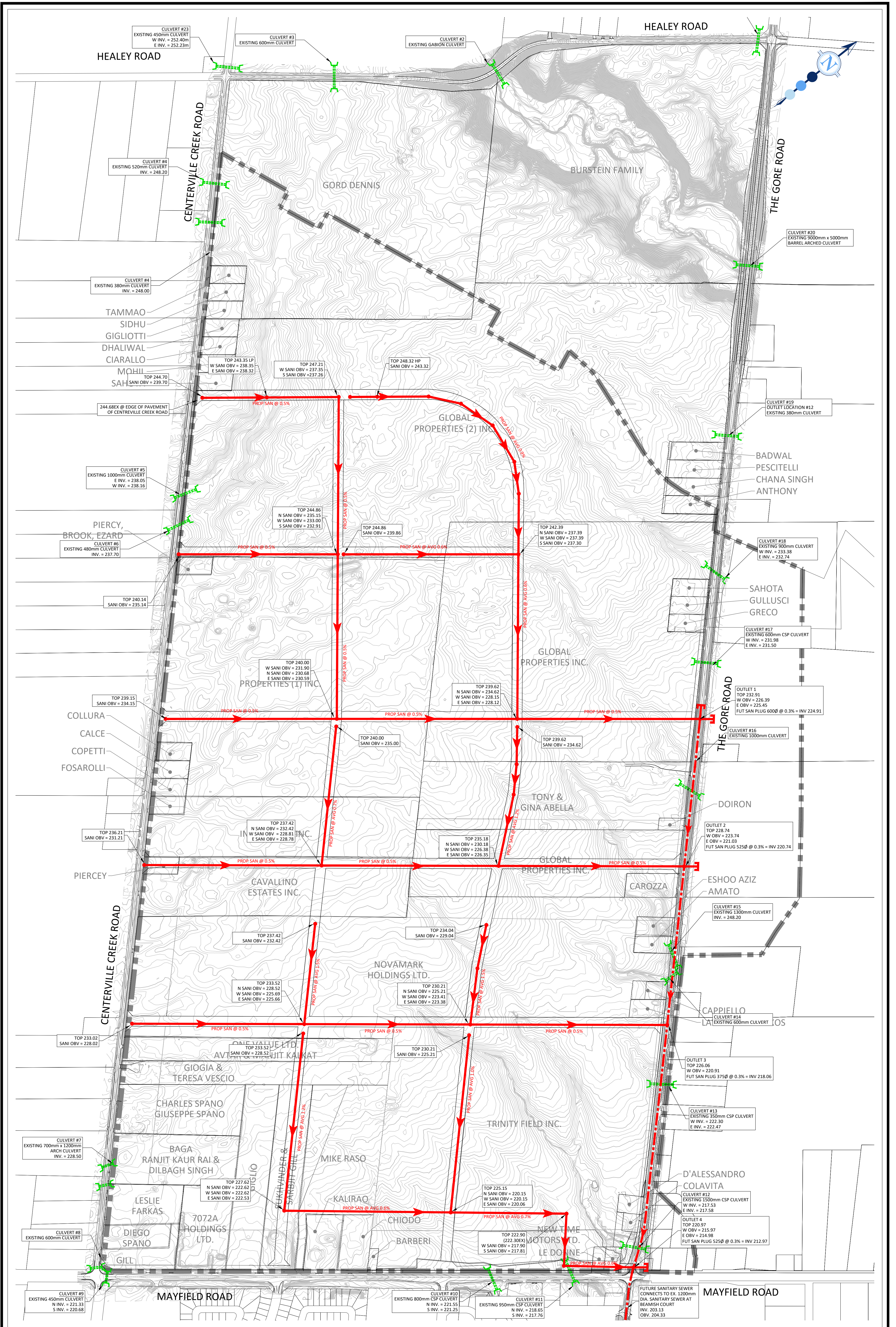
DESIGNED BY: A.T. CHECKED BY: A.R.K.
 SCALE: 1:4000 DATE: JANUARY 2025

PROPOSED SANITARY DRAINAGE PLAN

PROJECT No: 2630 FIGURE No: 5.2



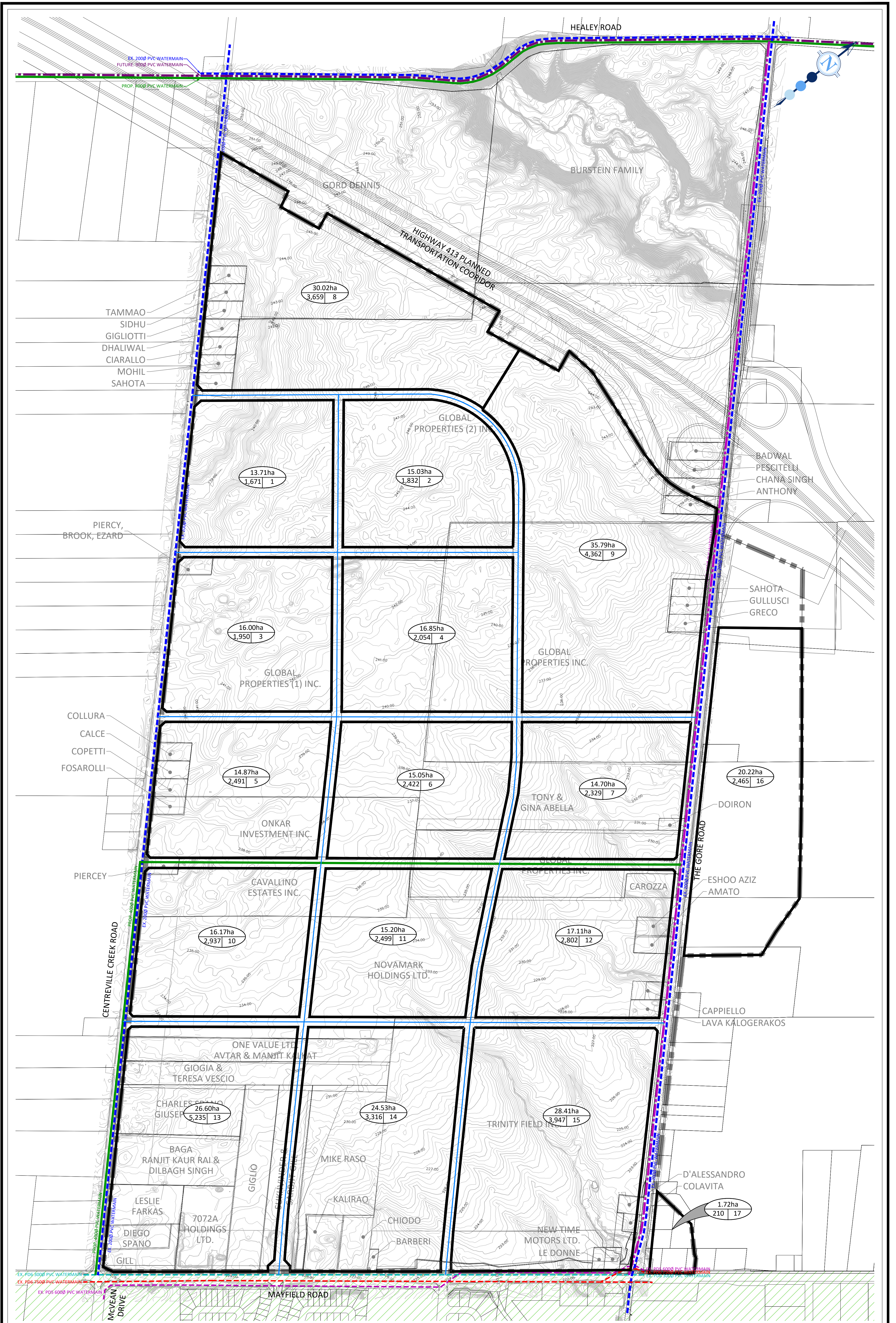
30 CENTURIAN DRIVE, SUITE 100
 MARKHAM, ONTARIO L3R 8B8
 TEL: (905) 475-1900
 FAX: (905) 475-8335



LEGEND:	
	WILDFIELD VILLAGE SECONDARY PLAN (WVSP) AREA LIMITS
	PROPOSED SANITARY SEWER AND MAINTENANCE HOLE
	FUTURE SANITARY SEWER AND MAINTENANCE HOLE
	EXISTING CULVERT

WILDFIELD VILLAGE		PROPOSED SANITARY SERVICING PLAN	
DESIGNED BY: R.R.B.	CHECKED BY: A.R.K.	PROJECT No:	FIGURE No:
SCALE: 1:4000	DATE: JANUARY 2025	2630	5.3

30 CENTURIAN DRIVE, SUITE 100
 MARKHAM, ONTARIO L3R 8B8
 TEL: (905) 475-1900
 FAX: (905) 475-8335



*NOTE: LAYOUT IS SCHEMATIC ONLY, DETAILS TO BE PROVIDED AT DETAILED DESIGN STAGE

LEGEND:

- WILDFIELD VILLAGE SECONDARY PLAN (WVSP) AREA LIMITS
- PROPOSED LOCAL DISTRIBUTION WATERMAIN
- 4000 PROPOSED DISTRIBUTION WATERMAIN
- 6000 FUTURE DISTRIBUTION WATERMAIN
- 9000 FUTURE TRANSMISSION WATERMAIN
- 2000 EXISTING WATERMAIN
- 3000 EXISTING WATERMAIN
- 6000 EXISTING WATERMAIN
- 7500 EXISTING WATERMAIN
- APPROXIMATE EXTENT OF PRESSURE ZONE 5 (182.4 - 236.2m)
- APPROXIMATE EXTENT OF PRESSURE ZONE 6E (214.5 - 259.1m)
- DRAINAGE AREA (HECTARES)

28.99ha
3878 | 15

WILDFIELD VILLAGE

DESIGNED BY: A.T. CHECKED BY: A.R.K.
SCALE: 1:4000 DATE: JANUARY 2025

MASTER WATER SERVICING PLAN

PROJECT No: 2630 FIGURE No: 5.4



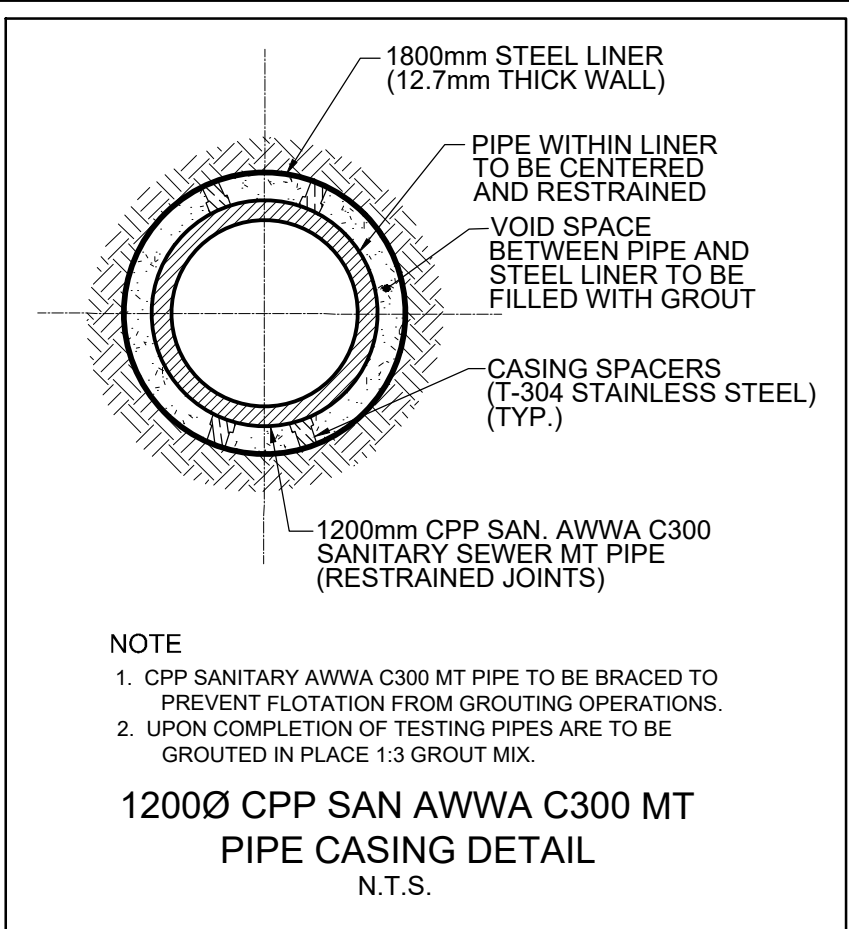
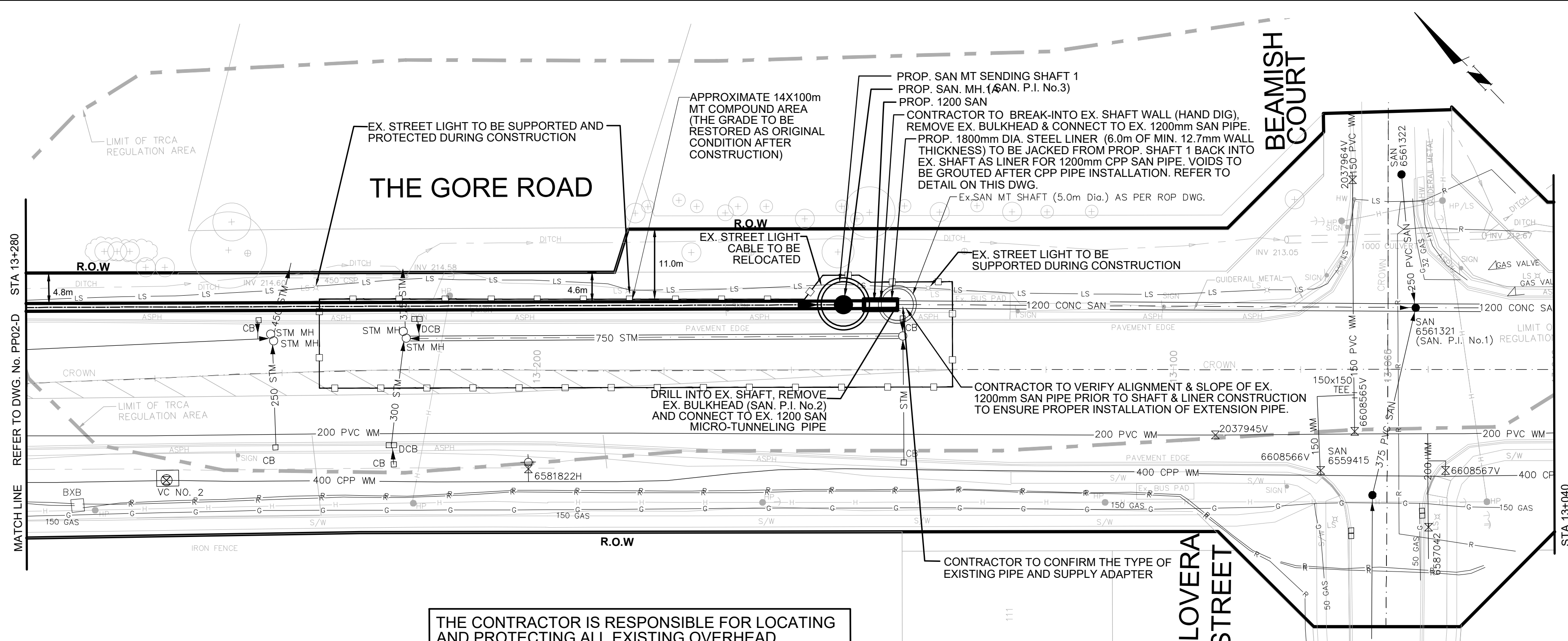
30 CENTURIAN DRIVE, SUITE 100
MARKHAM, ONTARIO L3R 8B8
TEL: (905) 475-1900
FAX: (905) 475-8335

APPENDIX E2

SERVICING BACKGROUND INFORMATION

APPENDIX E2.1

REGION OF PEEL DOCUMENTS



SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.

THE EXACT LOCATION AND Ex.ELEVATION FOR ALL Ex. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

THE COMPOUND AREA DETAIL SEE DWG. CMPD1-D

- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

- LEGEND:**
- R — DENOTES EXISTING ROGERS
 - B — DENOTES EXISTING BELL
 - G — DENOTES EXISTING GAS MAIN
 - H — DENOTES EXISTING OVERHEAD CABLES
 - LS — DENOTES EXISTING STREET LIGHT CABLE
 - DENOTES COMPOUND AREA
 - ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

General Notes

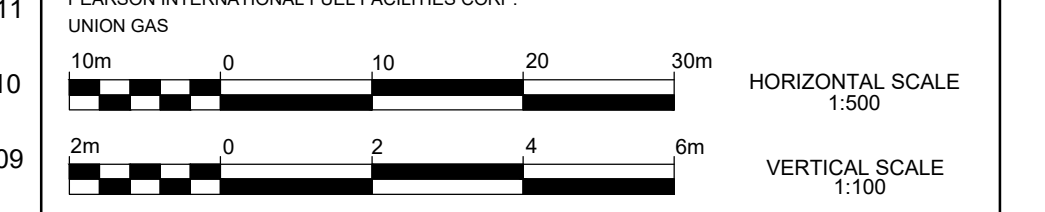
All Measurements Are In Meters(m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.650 (Geoidetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

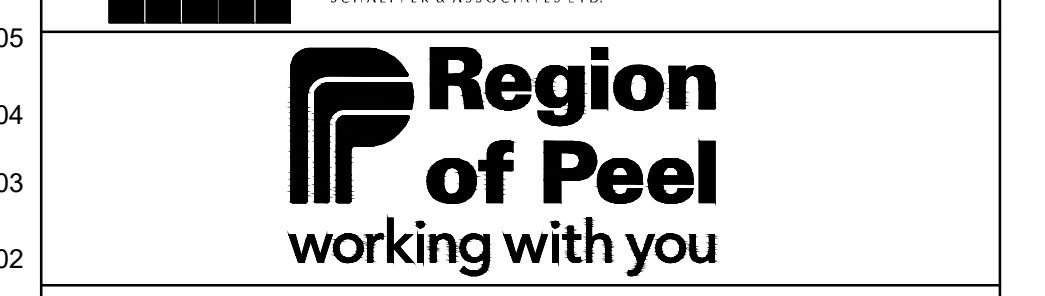
Designed by: H. SARKISSIAN
 Checked by: Chkd.

- NOTICE TO CONTRACTOR**
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|--|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBEROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/360 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |

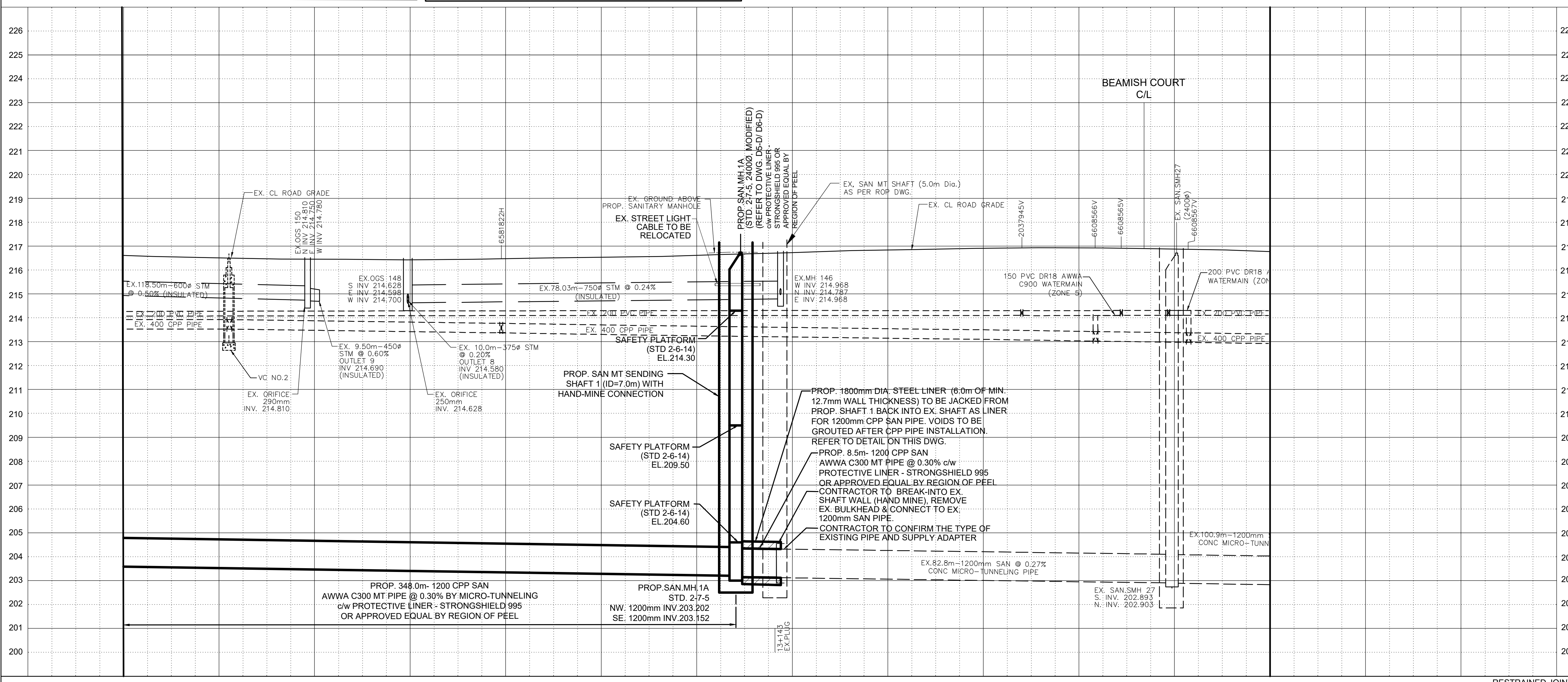


SCHAEFFERS
 CONSULTING ENGINEERS

6 Bonrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

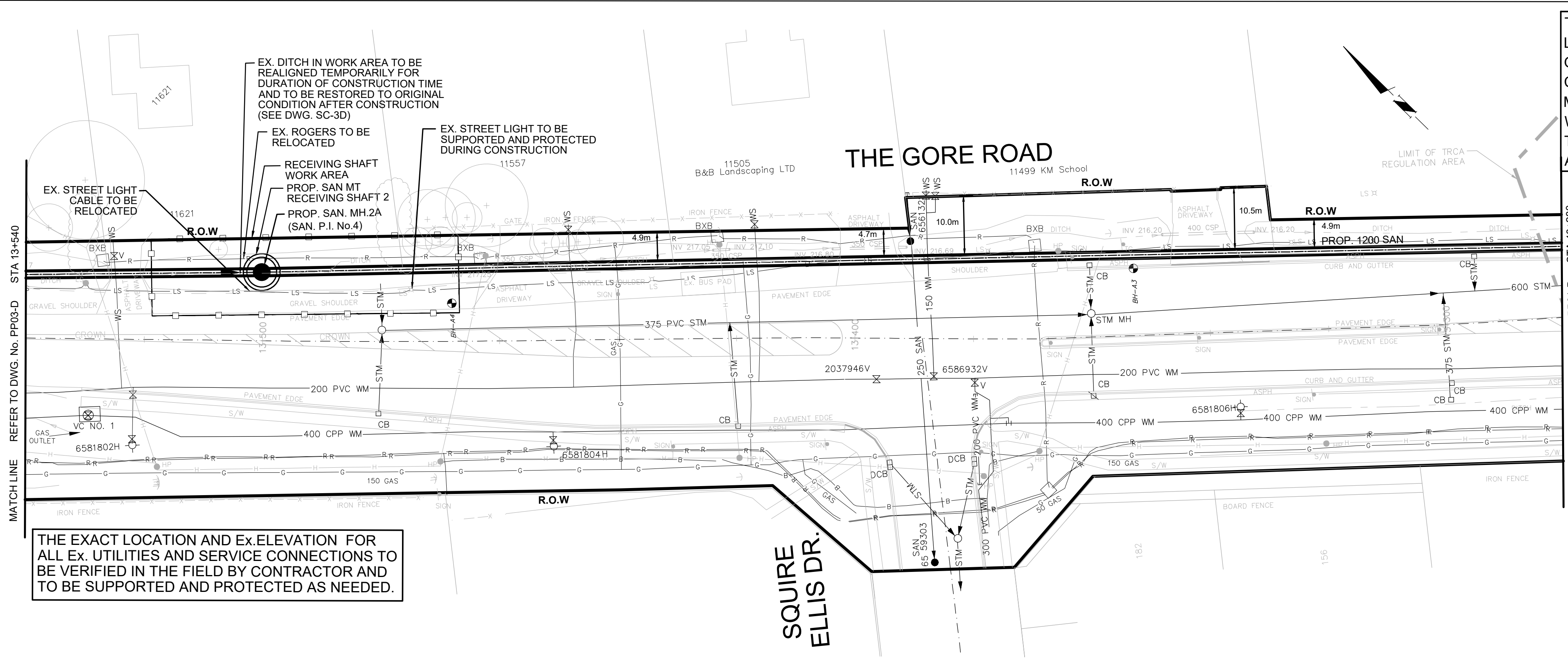


THE GORE ROAD
 (FROM COUNTRYSIDE DRIVE TO MAYFIELD ROAD)
 PROP. 1200mm SANITARY SEWER
 STA. 13+065 TO STA. 13+280



ROAD CHAINAGE	216.61	216.51	216.45	216.43	216.48	216.54	216.62	216.73	216.84	216.91	216.93	216.87	216.77
BOT. EL. OF WM.													
EX. ROAD ELEV.													
ROAD CHAINAGE	13+280	13+260	13+240	13+220	13+200	13+180	13+160	13+140	13+120	13+100	13+080	13+060	13+040

CAD Area	X-XX	Area	X-XX	Project No.	24-2273/ 24-2274/ 24-1193
Checked by	N.L.	Drawn by	A.L.	Project No.	24-2273/ 24-2274/ 24-1193
Date	DEC 2024	Sheet	13 of 73	Plan No.	PP01-D

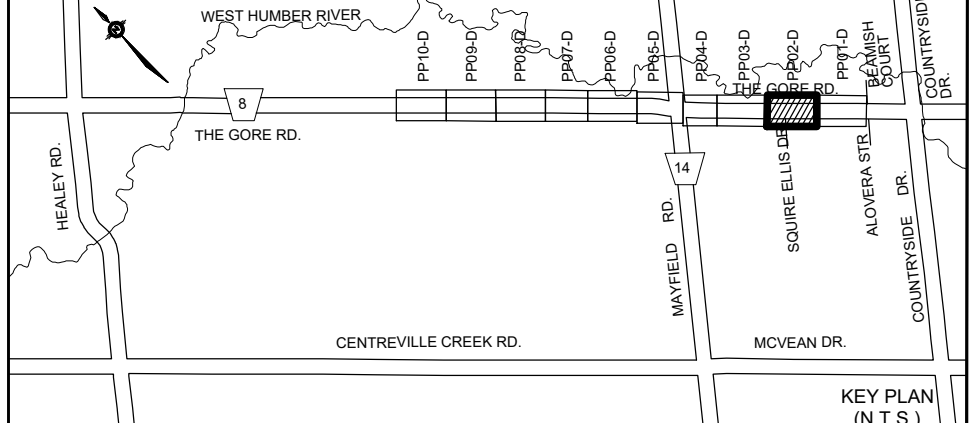


THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

THE COMPOUND AREA DETAIL SEE DWG. CMPD2-D

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES LOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD S-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

LEGEND:

- DENOTES EXISTING ROGERS
- DENOTES EXISTING BELL
- DENOTES EXISTING GAS MAIN
- DENOTES EXISTING OVERHEAD CABLES
- DENOTES EXISTING STREET LIGHT CABLE
- DENOTES COMPOUND AREA
- DENOTES EXISTING TREE TO REMAIN

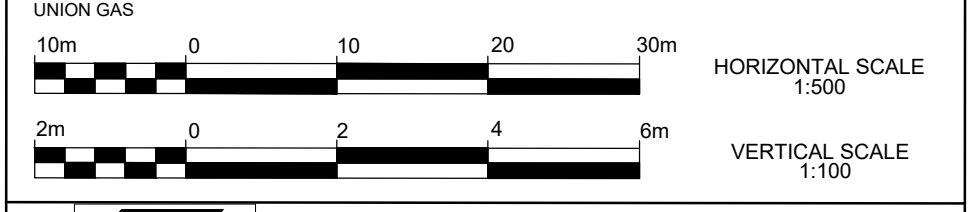
THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters(m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

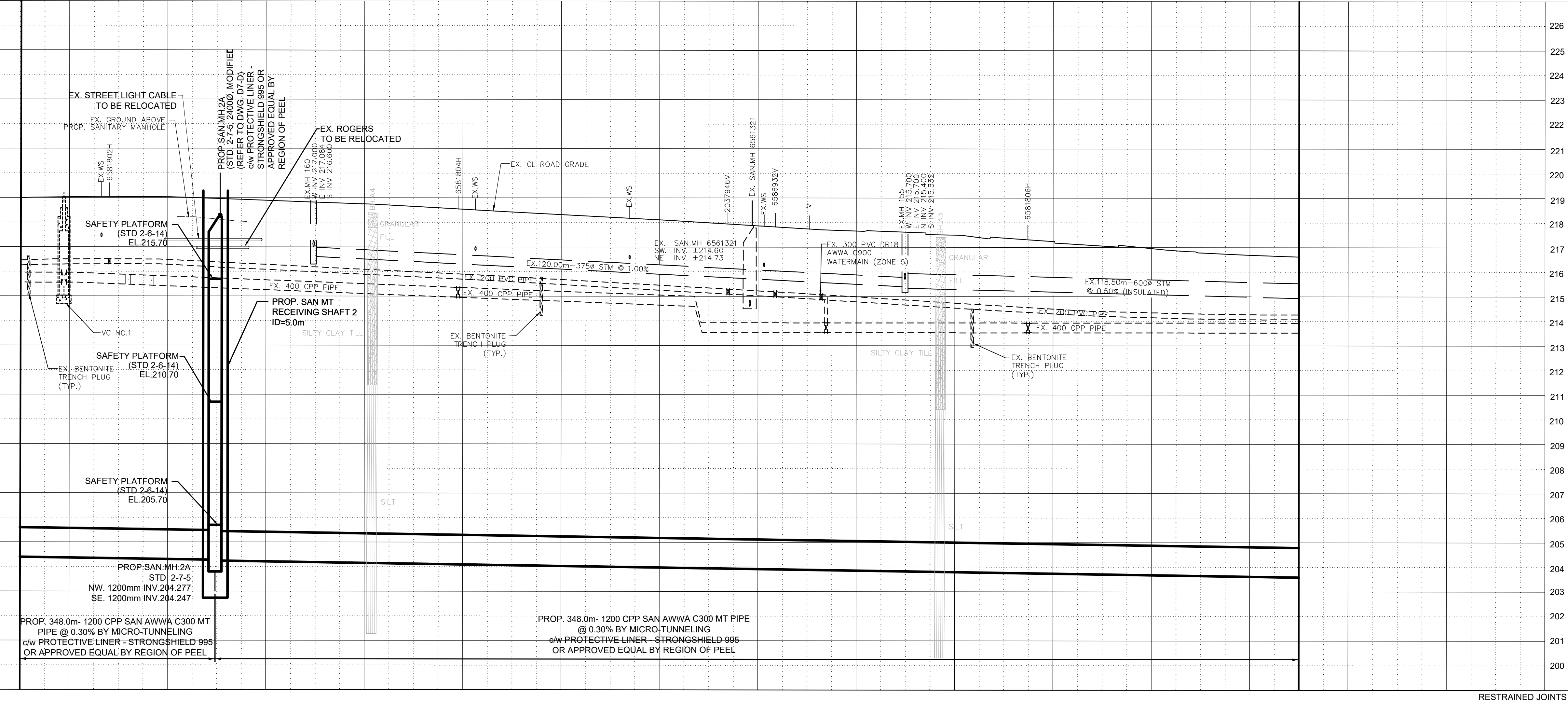
Agency: B.M. No. 44
 Elev. 227.660 (Geodetic)
 Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

- NOTICE TO CONTRACTOR**
- 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|--|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBEROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/380 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |

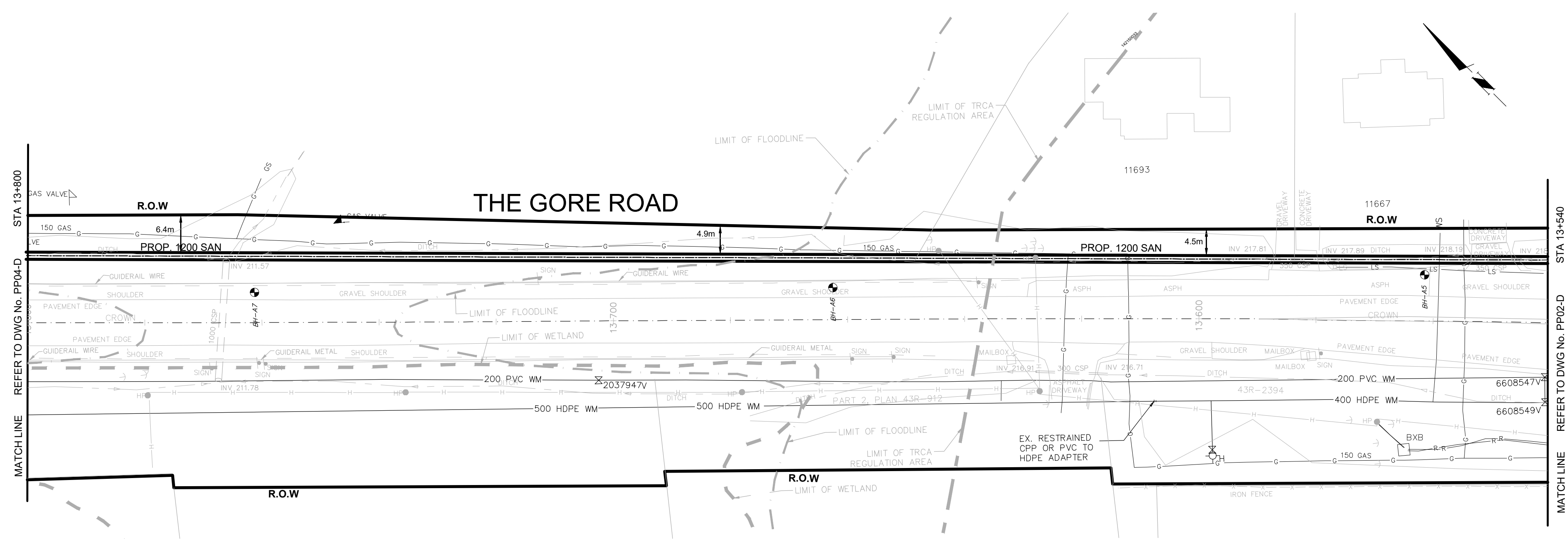



THE GORE ROAD
 (FROM COUNTRYSIDE DRIVE TO MAYFIELD ROAD)
 PROP. 1200mm SANITARY SEWER
 STA. 13+280 TO STA. 13+540

CAD Area	X-XX	Area	X-XX	Project No.	24-2273/ 24-2274/ 24-1193
Checked by	N.L.	Drawn by	A.L.	Plan No.	PP02-D
Date	DEC 2024	Sheet	14 of 73		



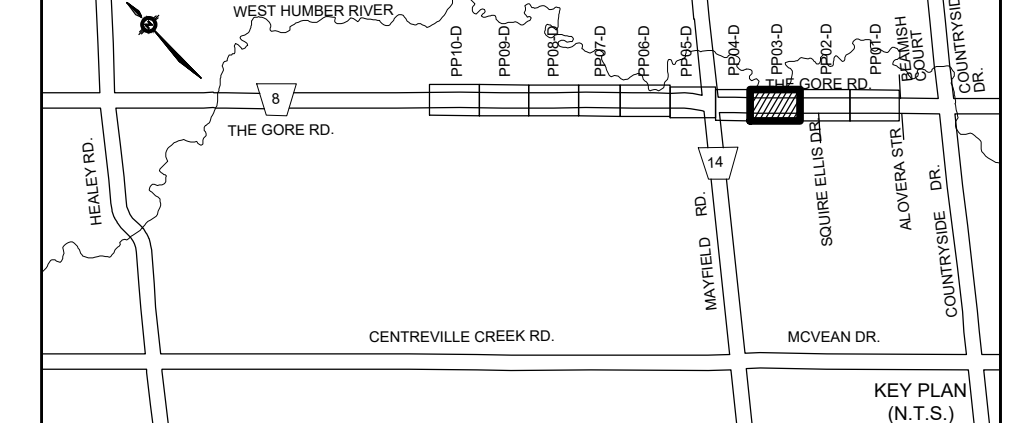
218.99	219.04	218.96	218.82	218.65	218.42	218.22	217.99	217.75	217.62	217.38	217.06	216.78	216.61
13+540	13+520	13+500	13+480	13+460	13+440	13+420	13+400	13+380	13+360	13+340	13+320	13+300	13+280



THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

- LEGEND:**
- R — DENOTES EXISTING ROGERS
 - B — DENOTES EXISTING BELL
 - G — DENOTES EXISTING GAS MAIN
 - H — DENOTES EXISTING OVERHEAD CABLES
 - LS — DENOTES EXISTING STREET LIGHT CABLE
 - DENOTES COMPOUND AREA
 - ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.680 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Designed by: Chkd. Approved by:

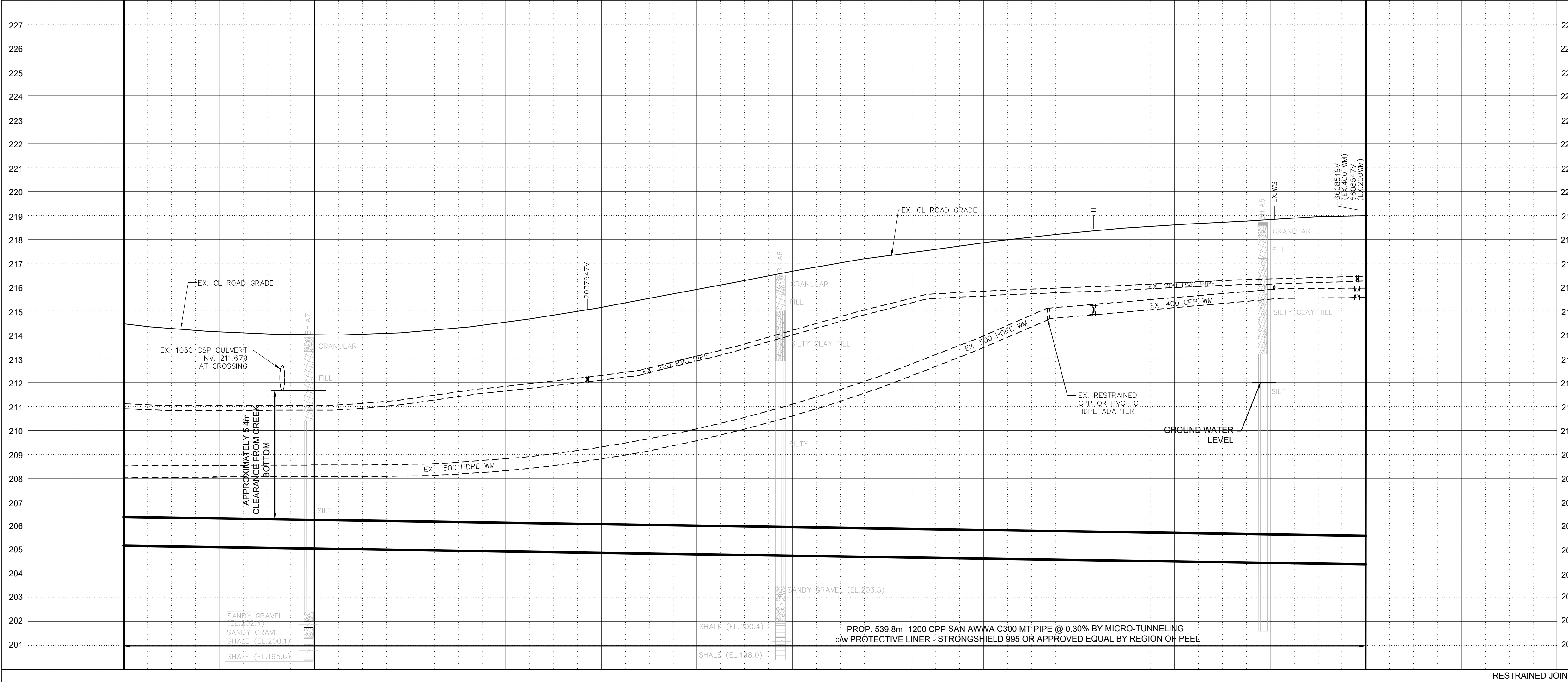
- NOTICE TO CONTRACTOR**
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|--|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBEROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/360 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |
- Scale: 10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS
 CONSULTING ENGINEERS

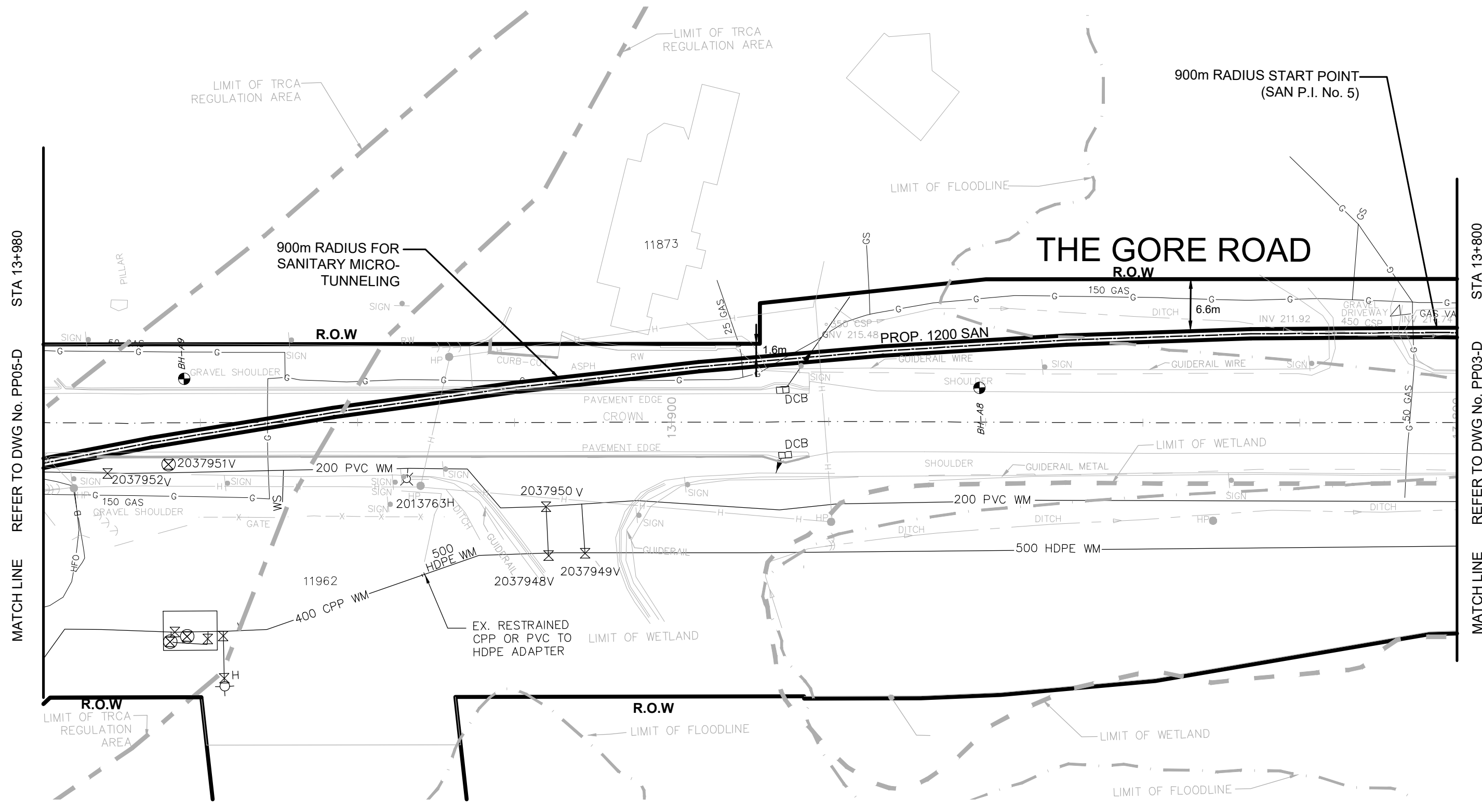
6 Rosmore Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com



THE GORE ROAD
 (FROM COUNTRYSIDE DRIVE TO MAYFIELD ROAD)
 PROP. 1200mm SANITARY SEWER
 STA. 13+540 TO STA. 13+800



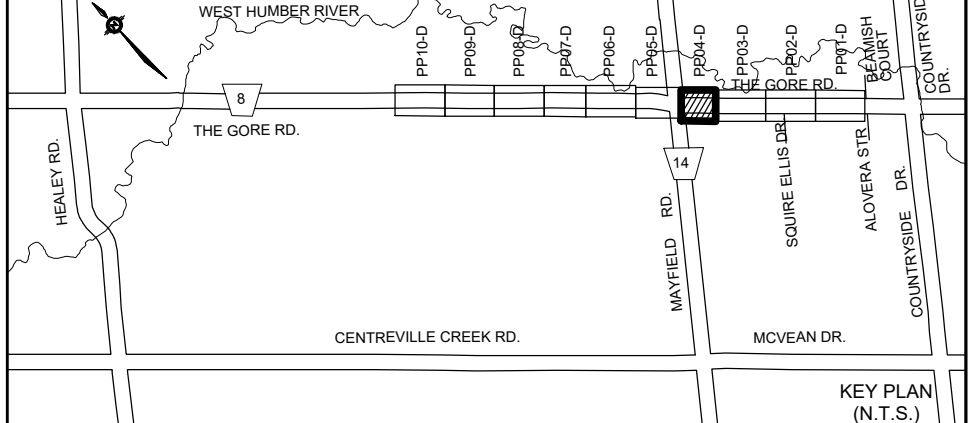
RESTRAINED JOINTS													
BOT. EL. OF WM		EX. ROAD ELEV.		ROAD CHAINAGE		CAD Area		Area		Project No.		Date	
214.47	214.13	214.01	214.12	214.54	215.15	215.90	216.66	217.32	217.85	218.30	218.60	218.82	218.99
13+800	13+780	13+760	13+740	13+720	13+700	13+680	13+660	13+640	13+620	13+600	13+580	13+560	13+540
X-XX		X-XX		X-XX		X-XX		X-XX		X-XX		X-XX	
N.L.		A.L.		A.L.		A.L.		A.L.		A.L.		A.L.	
DEC 2024		DEC 2024		DEC 2024		DEC 2024		DEC 2024		DEC 2024		DEC 2024	
15 OF 73		15 OF 73		15 OF 73		15 OF 73		15 OF 73		15 OF 73		15 OF 73	
PP03-D		PP03-D		PP03-D		PP03-D		PP03-D		PP03-D		PP03-D	



THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

LEGEND:

	DENOTES EXISTING ROGERS
	DENOTES EXISTING BELL
	DENOTES EXISTING GAS MAIN
	DENOTES EXISTING OVERHEAD CABLES
	DENOTES EXISTING STREET LIGHT CABLE
	DENOTES COMPOUND AREA
	DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

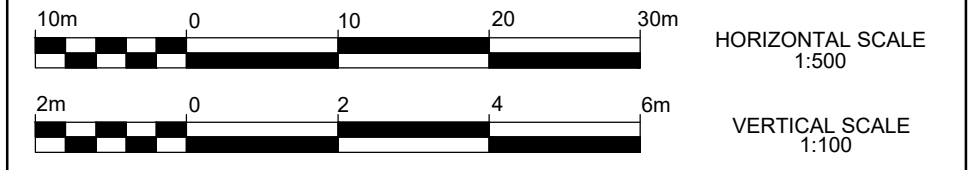
General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

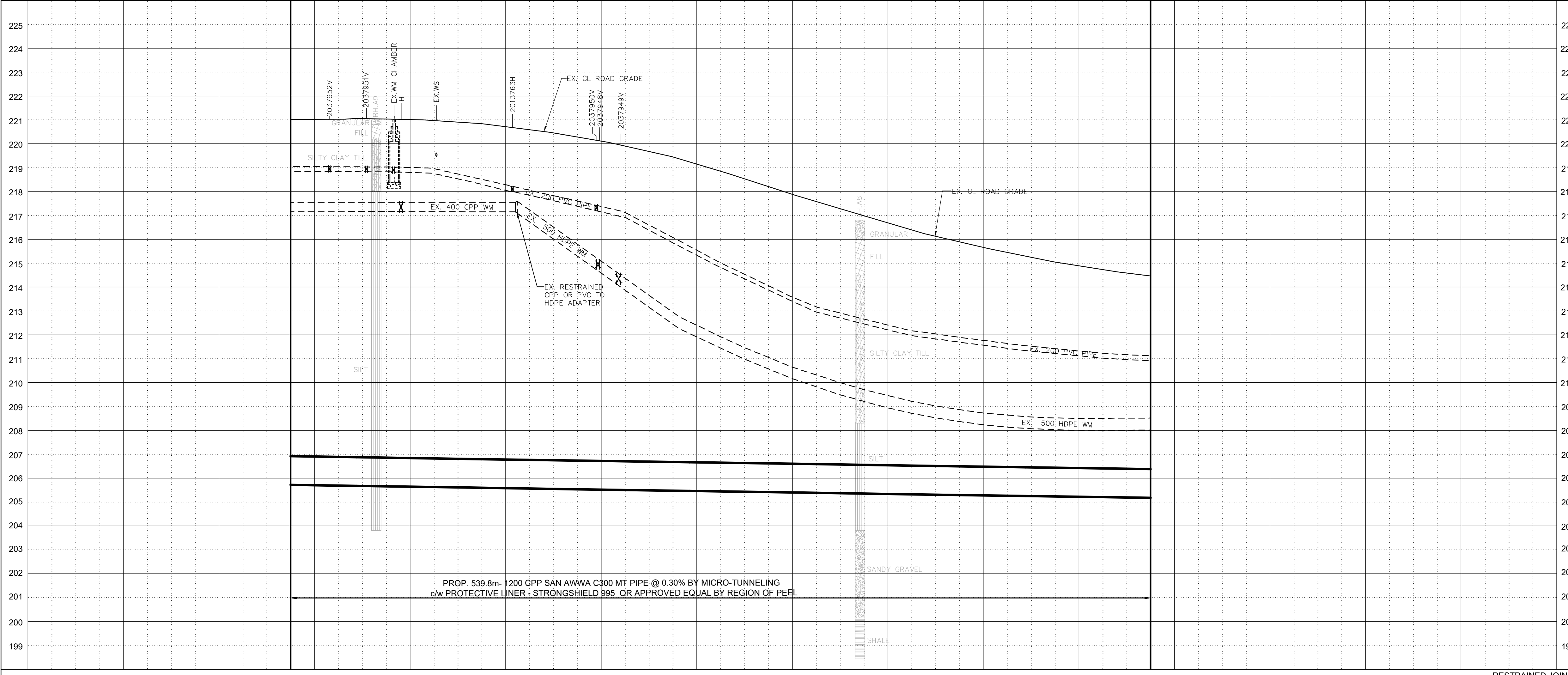
Agency: B.M. No. 44
 Elev. 227.660 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

- NOTICE TO CONTRACTOR**
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|---------------------------------------|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/360 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |

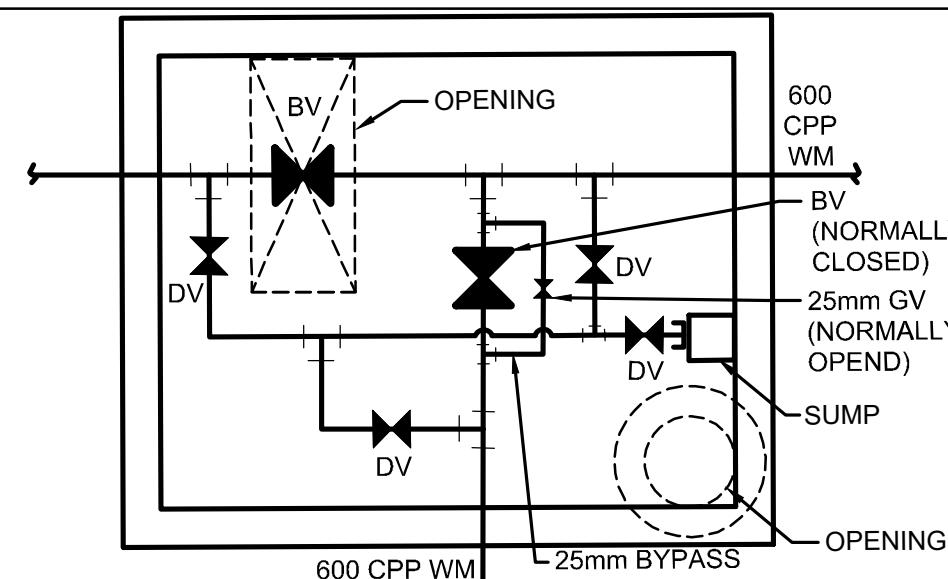
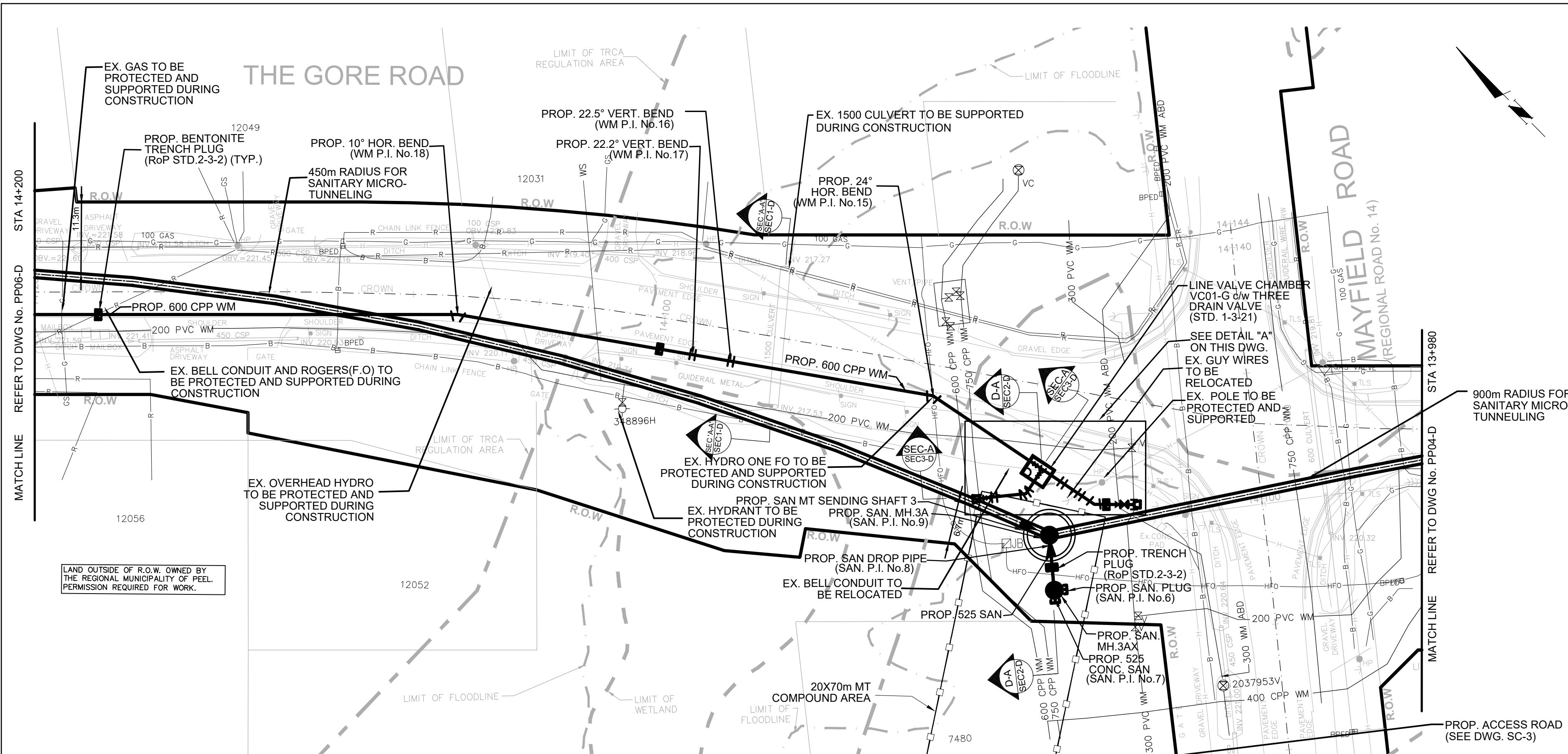



THE GORE ROAD
 (FROM COUNTRYSIDE DRIVE TO MAYFIELD ROAD)
 PROP. 1200mm SANITARY SEWER
 STA. 13+800 TO STA. 13+980



RESTRAINED JOINTS	BOT. EL. OF WM.	EX. ROAD ELEV.	ROAD CHAINAGE
221.02	221.03	220.85	220.29
219.45	218.21	216.99	215.90
215.05	214.47		
13+980	13+960	13+940	13+920
13+900	13+880	13+860	13+840
13+820	13+800		

CAD Area	X-XX	Area	X-XX	Project No.
24-2273/ 24-2274/ 24-1193				
Checked by	N.L.	Drawn by	A.L.	
Date	DEC 2024	Sheet	16 of 73	Plan No.
				PP04-D



SCHEMATIC OF LINE VALVE CHAMBER VC01-G (c/w DRAIN VALVE) (MODIFIED RoP Std. 1-3-21, 3.0x3.8m)

THE DETAIL SHOP DRAWINGS FOR MODIFIED RoP STD. 1-3-21 WILL BE PROVIDED BY OTHERS

PROP. 600 WATERMAIN TO BE CONSTRUCTED WITH VERTICAL TRENCH BOX

THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

THE COMPOUND AREA DETAIL SEE DWG. CMPD3-D

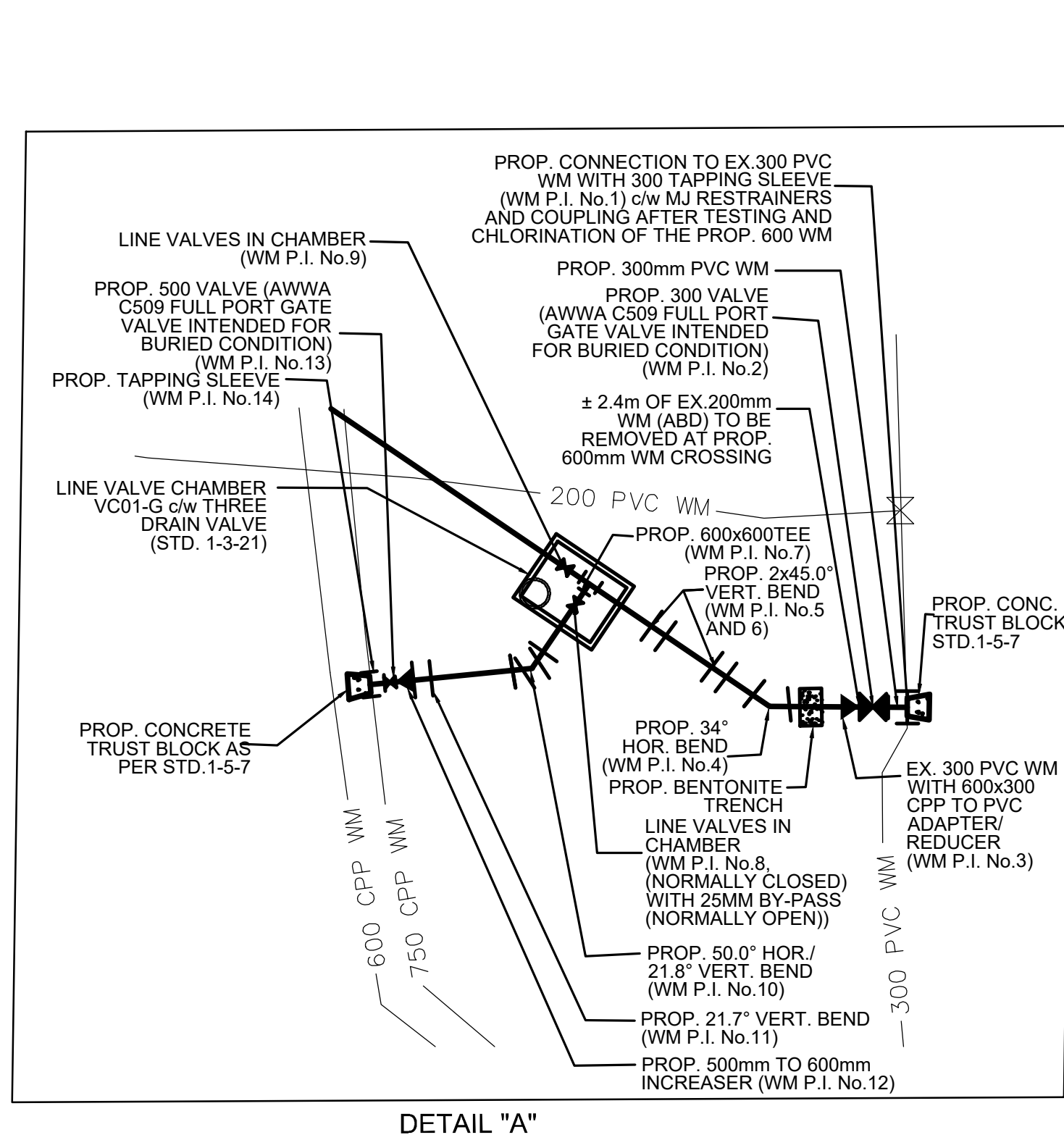
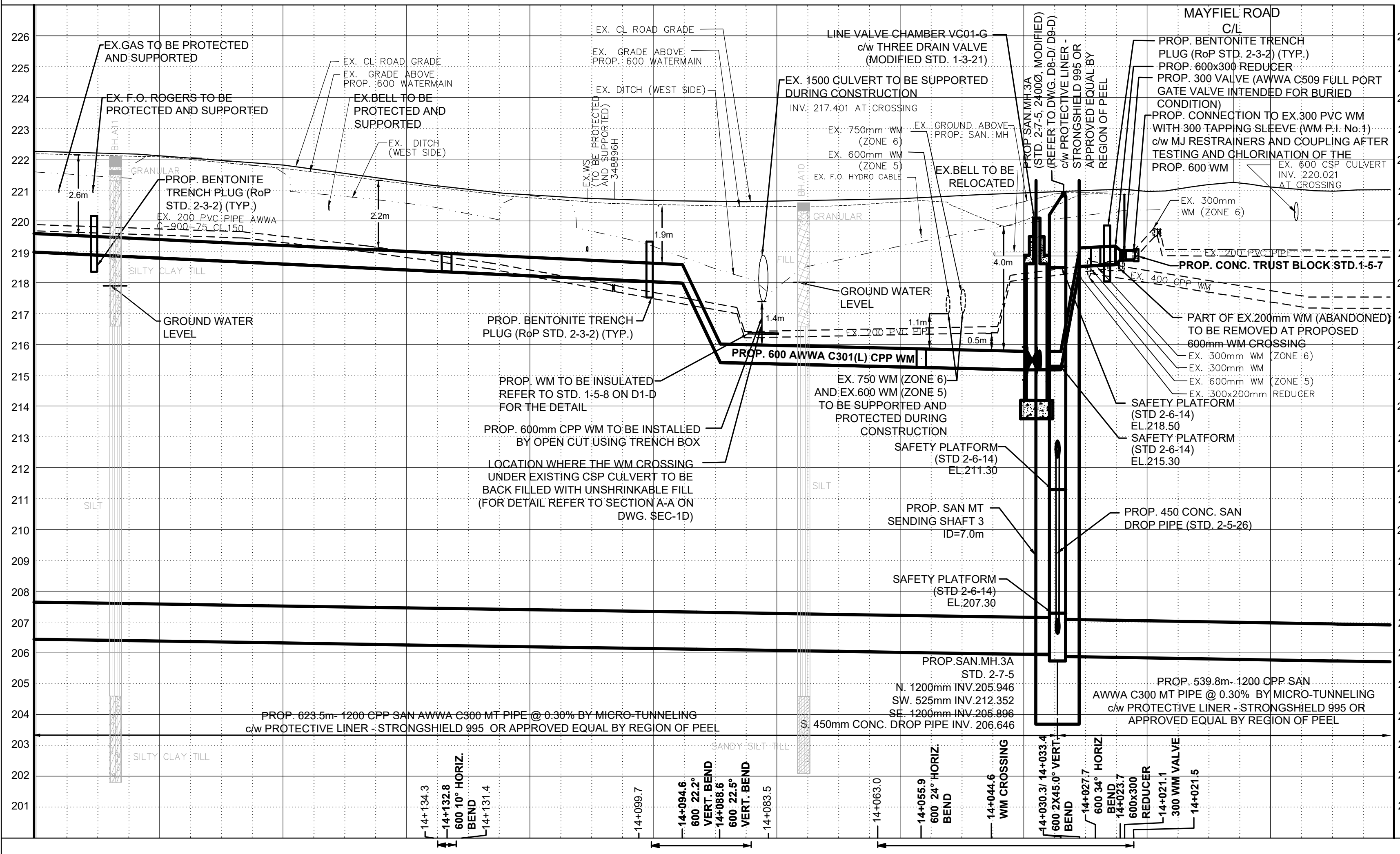
SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMANS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.

- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO T1-D TO T6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-28 ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM4-D.

- LEGEND:**
- R — DENOTES EXISTING ROGERS
 - B — DENOTES EXISTING BELL
 - G — DENOTES EXISTING GAS MAIN
 - H — DENOTES EXISTING OVERHEAD CABLES
 - LS — DENOTES EXISTING STREET LIGHT CABLE
 - HFO — DENOTES EXISTING HYDRO FIBRE OPTIC
 - DENOTES COMPOUND AREA
 - ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY



DETAIL "A"

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.690 (Geoidetic)
 Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Designed by: H. SARKISSIAN
 Approved by: [Signature]

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

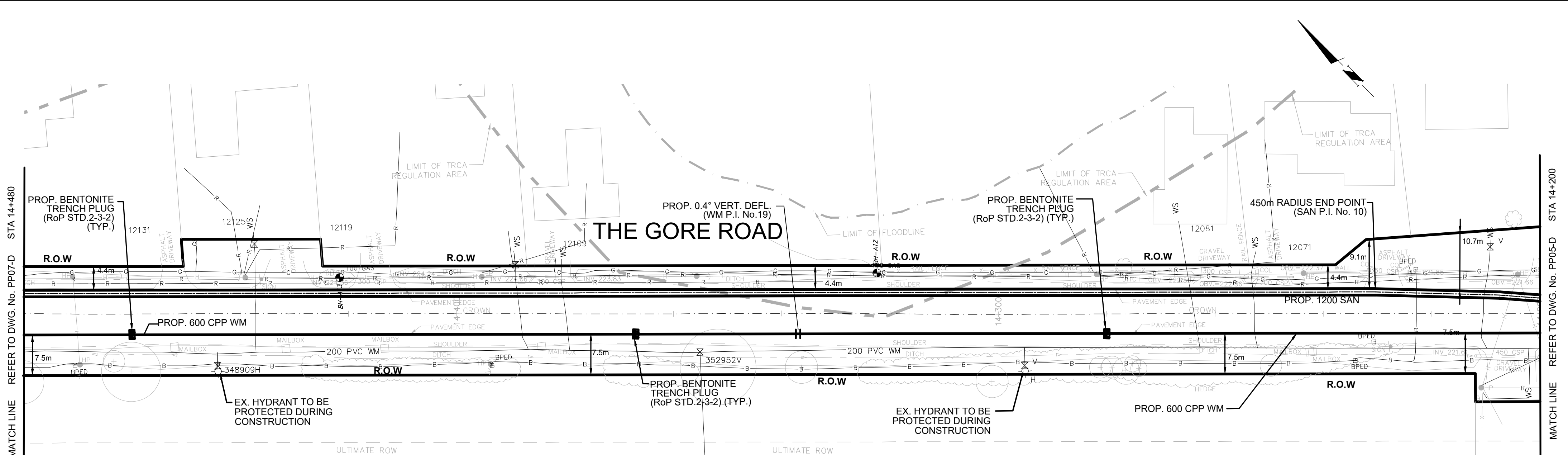
THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBRE OPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSM (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

SCHAEFFERS CONSULTING ENGINEERS
 6 Bonrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

THE GORE ROAD (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER
 PROP. 600mm WATERMAIN
 STA. 13+980 TO STA. 14+220

STA.	219.00	218.80	218.61	218.42	218.23	218.04	215.37	215.28	215.18	220.98	221.12	221.02
BOT. EL. OF WM												
EX. ROAD ELEV.	222.25	222.12	221.82	221.29	220.86	220.67	220.65	220.72	220.91	220.98	221.12	221.02
ROAD CHAINAGE	14+200	14+180	14+160	14+140	14+120	14+100	14+080	14+060	14+040	14+020	14+000	13+980

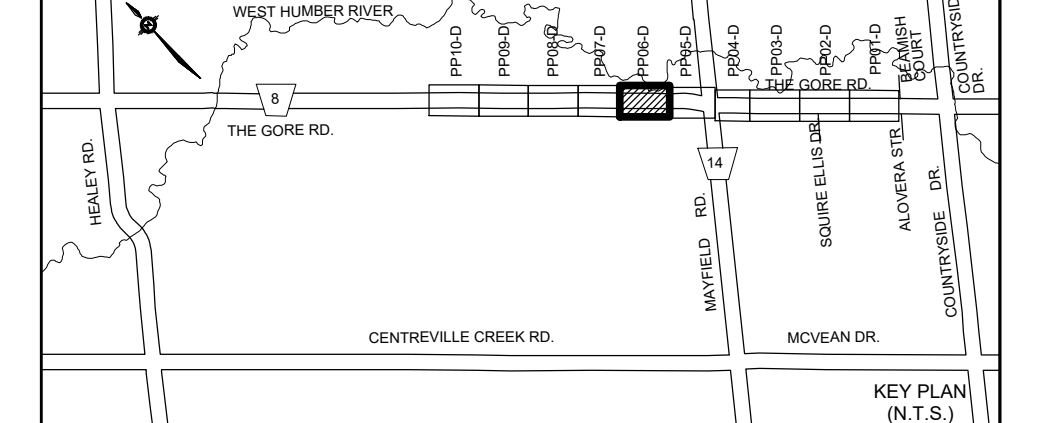


PROP. 600 WATERMAIN TO BE CONSTRUCTED WITH VERTICAL TRENCH BOX

THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

LEGEND:

- R DENOTES EXISTING ROGERS
- B DENOTES EXISTING BELL
- G DENOTES EXISTING GAS MAIN
- H DENOTES EXISTING OVERHEAD CABLES
- LS DENOTES EXISTING STREET LIGHT CABLE
- DENOTES COMPOUND AREA
- (+)

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.660 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Designed by H.SARKISSIAN
 Dec 17, 2024
 PROVINCE OF ONTARIO

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBEROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

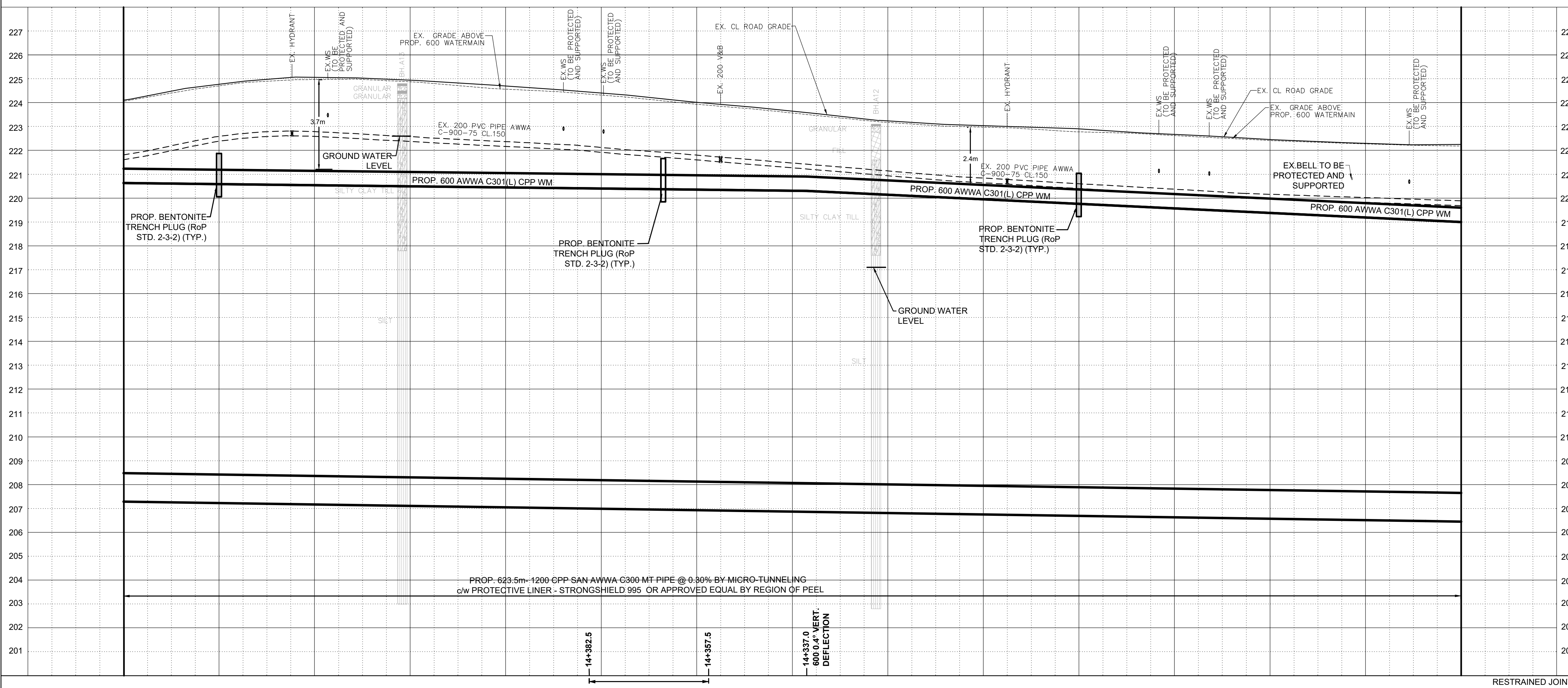
Horizontal Scale 1:500
 Vertical Scale 1:100

SCHAEFFERS
 CONSULTING ENGINEERS

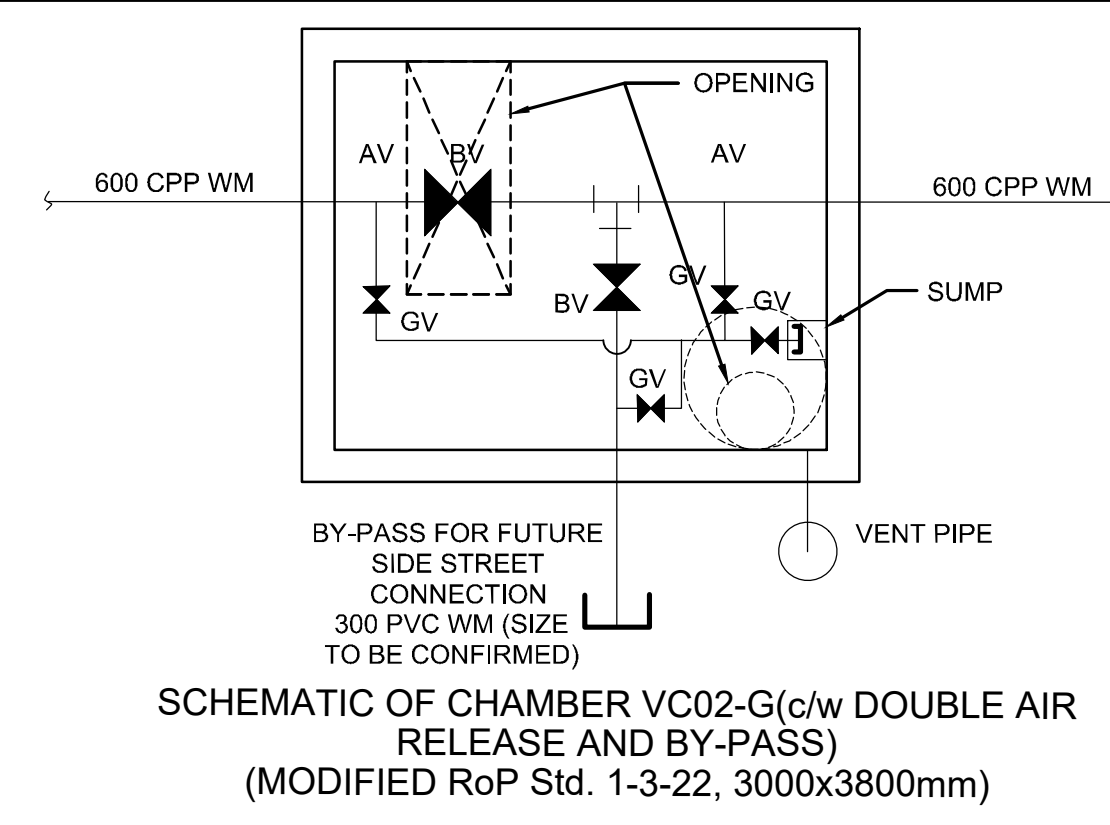
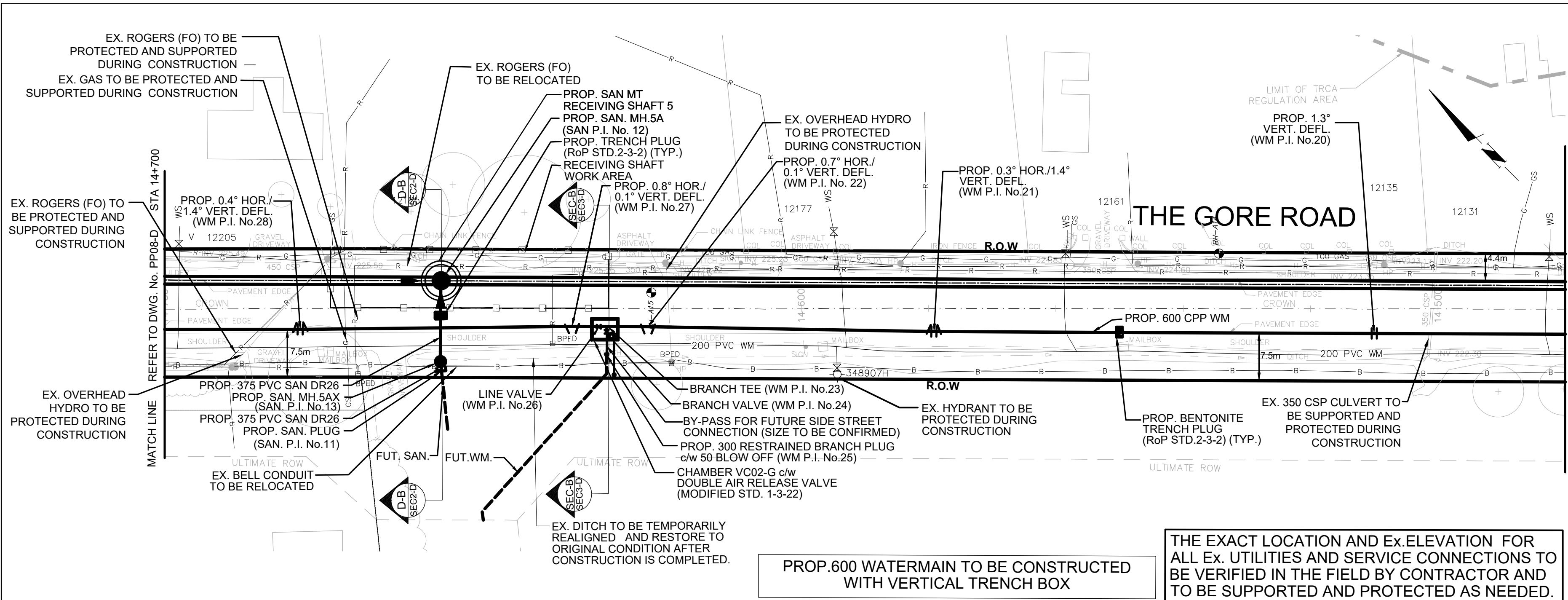
6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER
 PROP. 600mm WATERMAIN
 STA. 14+200 TO STA. 14+480



220.64	220.59	220.54	220.50	220.45	220.40	220.36	220.31	220.14	219.95	219.76	219.57	219.38	219.19	219.00	BOT. EL. OF WM.
224.11	224.77	225.06	224.94	224.70	224.40	224.01	223.64	223.23	223.03	222.90	222.67	222.45	222.29	222.25	EX. ROAD ELEV.
14+480	14+460	14+440	14+420	14+400	14+380	14+360	14+340	14+320	14+300	14+280	14+260	14+240	14+220	14+200	ROAD CHAINAGE



THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

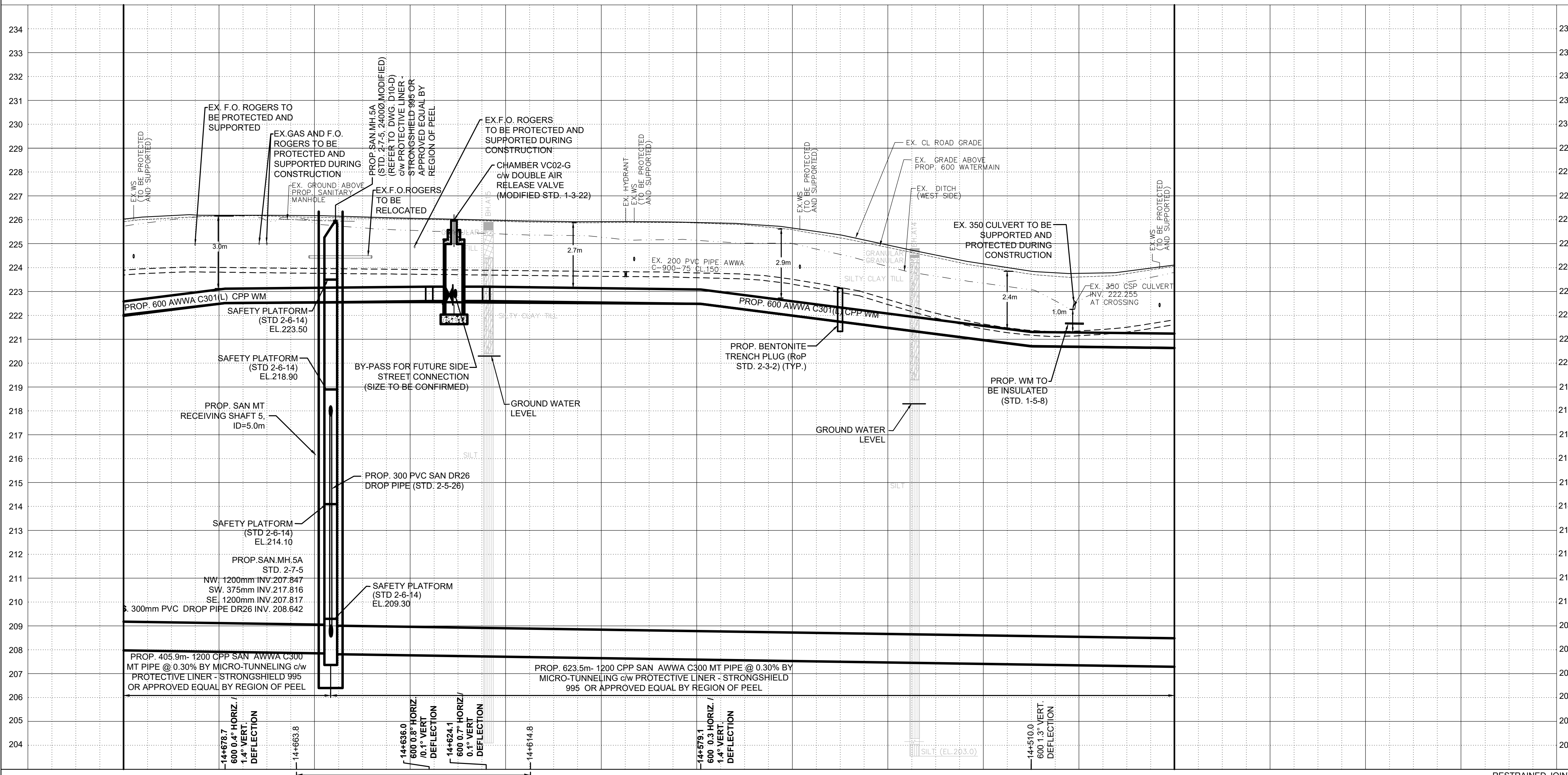
THE COMPOUND AREA DETAIL SEE DWG. CMPD4-D

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.

NOTES:

- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
- LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
- ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
- FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TCI-1 TO TCI-8.
- FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
- FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.
- FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM4-D.



LEGEND:

- R — DENOTES EXISTING ROGERS
- B — DENOTES EXISTING BELL
- G — DENOTES EXISTING GAS MAIN
- H — DENOTES EXISTING OVERHEAD CABLES
- LS — DENOTES EXISTING STREET LIGHT CABLE
- DENOTES EXISTING AREA
- ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.680 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

DESIGNED BY

 H. SARKISIAN
 DEC 17, 2024
 PROVINCE OF ONTARIO

Checked by _____

Approved by _____

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELU COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS CONSULTING ENGINEERS
 6 Rossmore Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel working with you

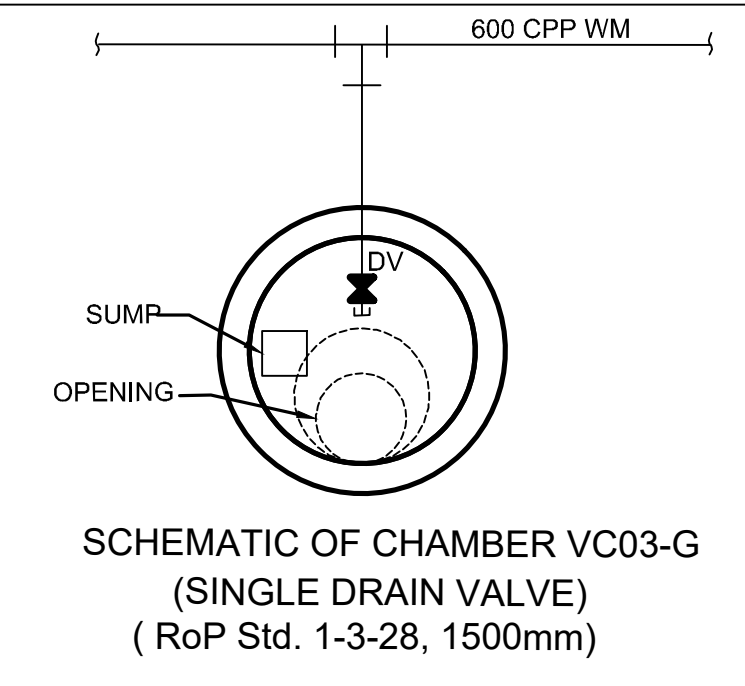
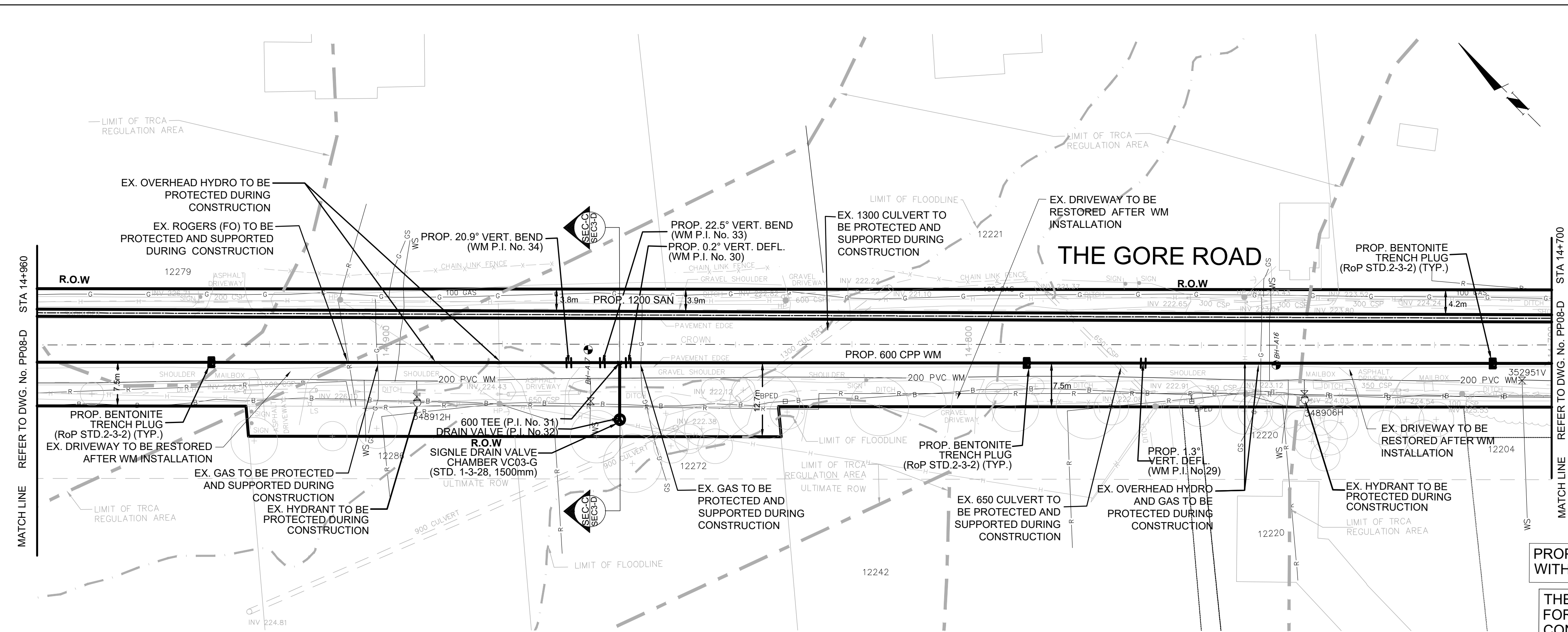
THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER
 PROP. 600mm WATERMAIN
 STA. 14+480 TO STA. 14+700

222.02	222.49	222.54	222.56	222.53	222.51	222.48	221.99	221.48	220.96	220.68	220.64
226.03	226.19	226.18	226.07	225.97	225.92	225.89	225.66	224.95	224.16	223.76	224.11
14+700	14+680	14+660	14+640	14+620	14+600	14+580	14+560	14+540	14+520	14+500	14+480

RESTRAINED JOINTS

Area C.Z. 24-2273/ 24-2274/ 24-1193
 Bot. El. of Wm.
 Ex. Road Elev.
 Road Chainage

Checked by N.L. Drawn by A.L.
 Date DEC 2024 Sheet 19 of 73 Plan No. PP07-D

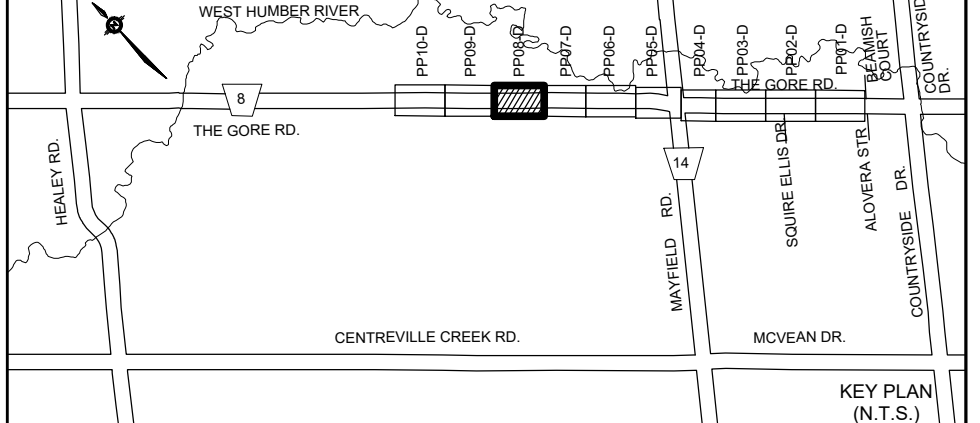


MATCH LINE REFER TO DWG. No. PP08-D STA 14+960

MATCH LINE REFER TO DWG. No. PP08-D STA 14+700

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMANS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-28 ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

- LEGEND:**
- R — DENOTES EXISTING ROGERS
 - B — DENOTES EXISTING BELL
 - G — DENOTES EXISTING GAS MAIN
 - H — DENOTES EXISTING OVERHEAD CABLES
 - LS — DENOTES EXISTING STREET LIGHT CABLE
 - DENOTES COMPOUND AREA
 - ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Agency: B.M. No. 44
 Elev. 227.690 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

DESIGNED BY: H. SARKISSIAN
 REGISTERED PROFESSIONAL ENGINEER
 DEC 17, 2024
 PROVINCE OF ONTARIO

Approved by: _____
 Chkd.

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBEROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

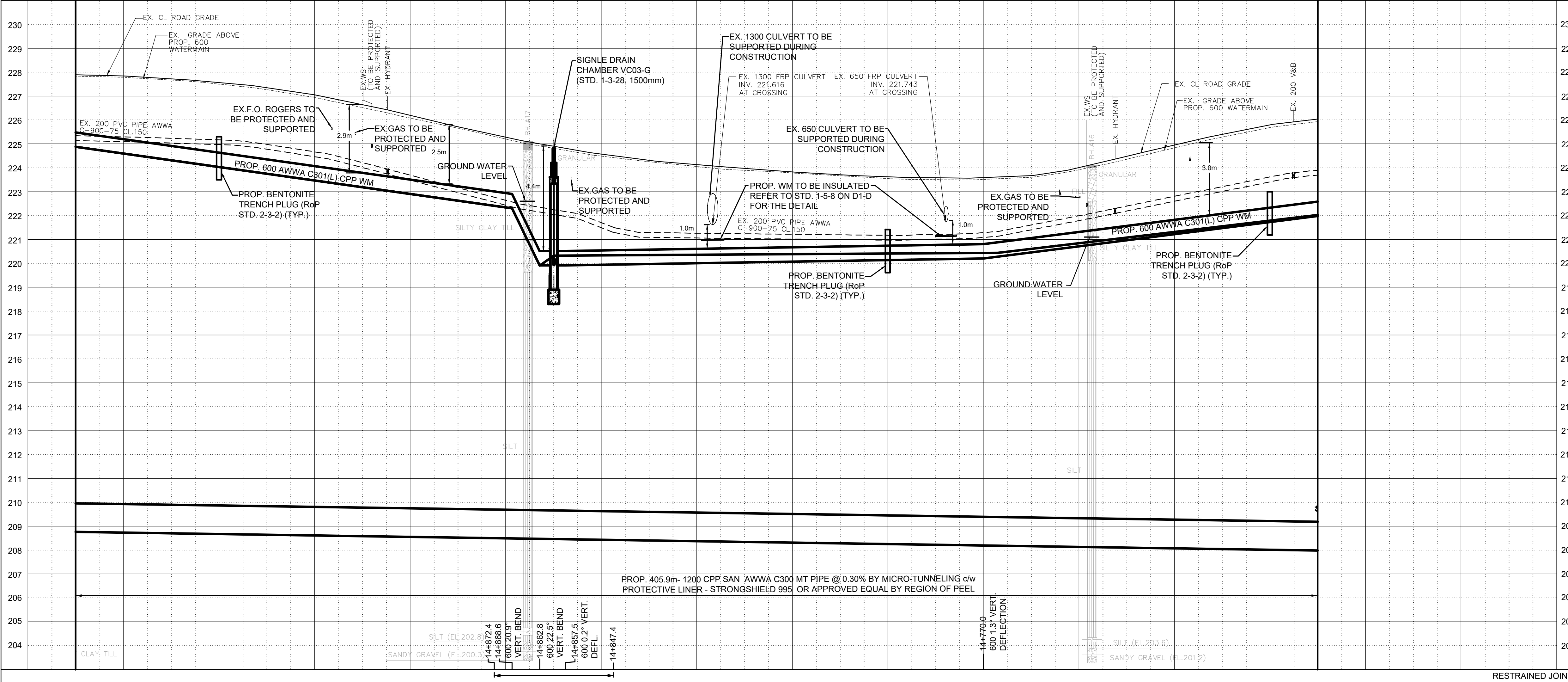
SCHAEFFERS
 CONSULTING ENGINEERS

6 Romrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com



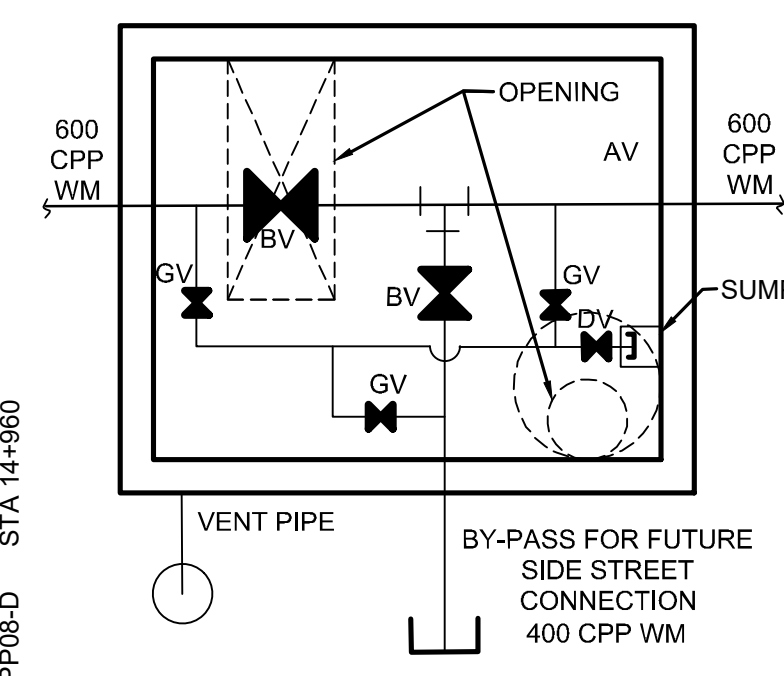
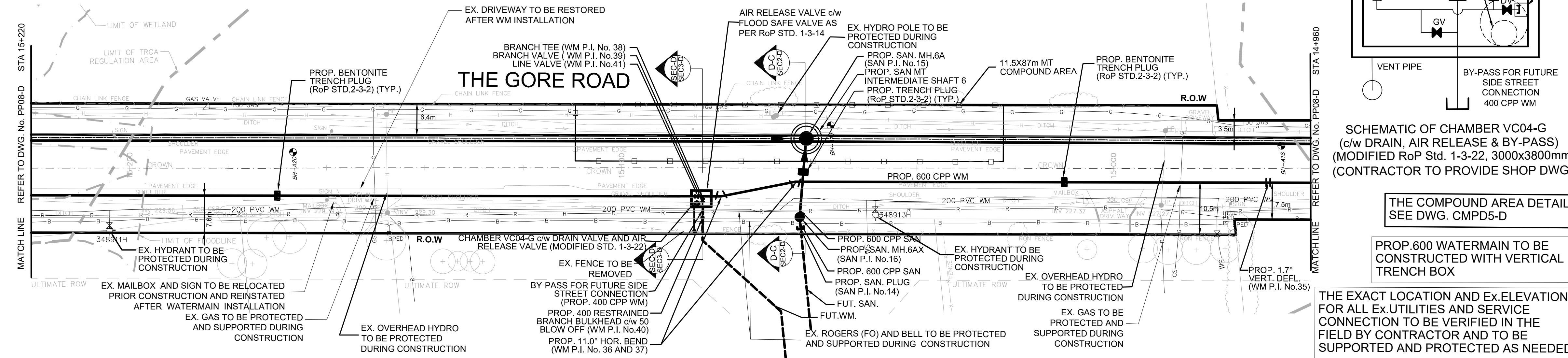
THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER
 PROP. 600mm WATERMAIN
 STA. 14+700 TO STA. 14+960

CAD Area	X-XX	Area	X-XX	Project No.	24-2273/14-2247/14-1193
Checked by	N.L.	Drawn by	A.L.	Date	DEC 2024
Date	DEC 2024	Sheet	20 of 73	Plan No.	PP08-D



224.88	224.31	223.75	223.18	222.62	220.31	220.35	220.37	220.39	220.42	220.60	221.07	221.54	222.02	RESTRAINED JOINTS
227.89	227.72	227.35	226.64	225.71	224.90	224.30	223.97	223.70	223.58	223.67	224.48	225.39	226.03	BOT. EL. OF WM.
14+960	14+940	14+920	14+900	14+880	14+860	14+840	14+820	14+800	14+780	14+760	14+740	14+720	14+700	EX. ROAD ELEV.
													ROAD CHAINAGE	

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.



SCHMATIC OF CHAMBER VC04-G
(c/w DRAIN, AIR RELEASE & BY-PASS)
(MODIFIED RoP Std. 1-3-22, 3000x380mm)
(CONTRACTOR TO PROVIDE SHOP DWG.)

THE COMPOUND AREA DETAIL
SEE DWG. CMPD5-D

PROP. 600 WATERMAIN TO BE CONSTRUCTED WITH VERTICAL TRENCH BOX

THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTION TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMANS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.

- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATE TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC8-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-28 ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM4-D.

LEGEND:

- DENOTES EXISTING ROGERS
- DENOTES EXISTING BELL
- DENOTES EXISTING GAS MAIN
- DENOTES EXISTING OVERHEAD CABLES
- DENOTES EXISTING STREET LIGHT CABLE
- DENOTES COMPOUND AREA
- DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters(m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.680 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Designed by Approved by _____

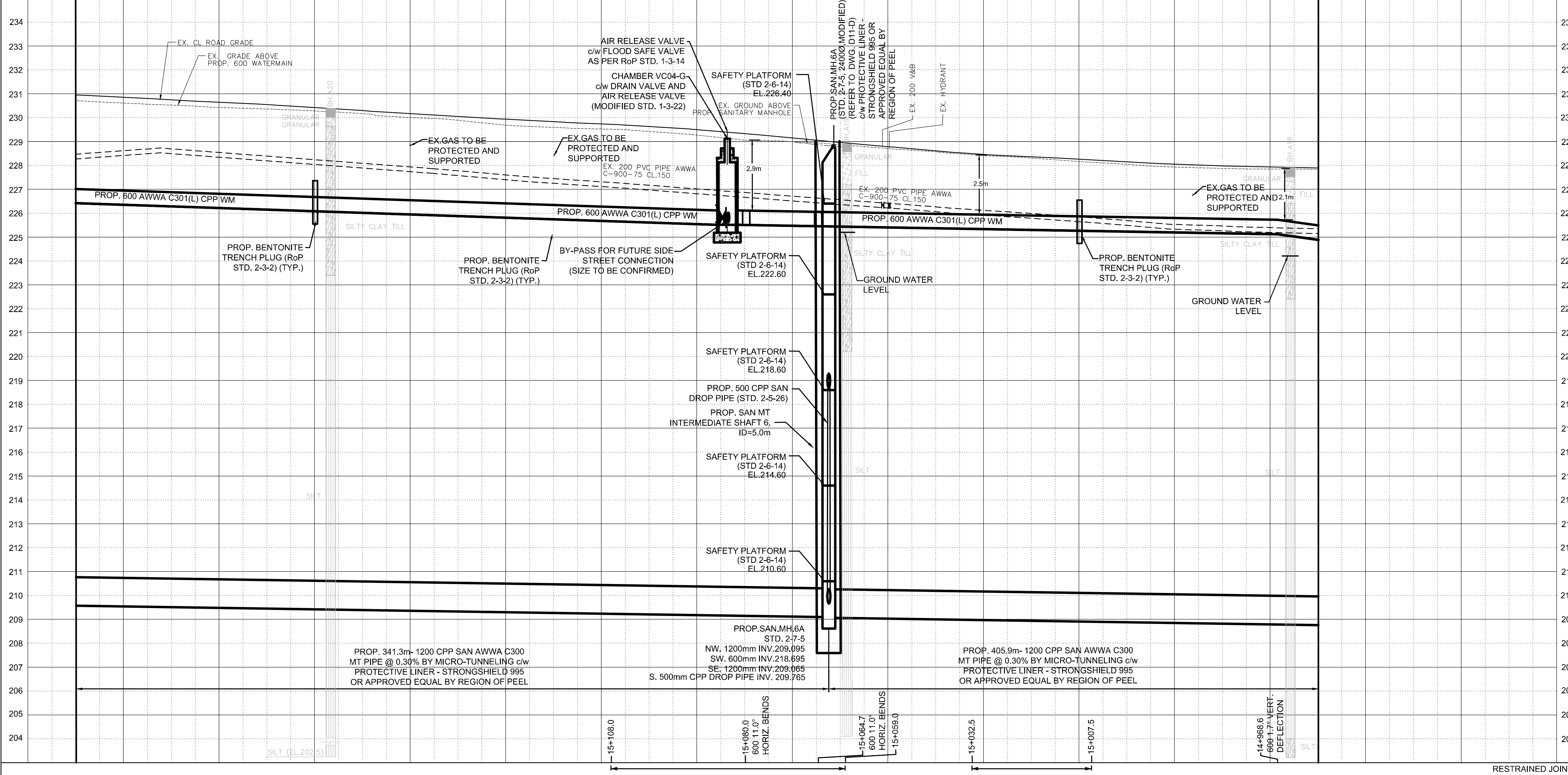
NOTICE TO CONTRACTOR
48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

SCHAEFFERS CONSULTING ENGINEERS
 6 Romrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
working with you

THE GORE ROAD
(FROM MAYFIELD ROAD TO HEALEY ROAD)
PROP. 1200mm SANITARY SEWER
PROP. 600mm WATERMAIN
STA. 14+960 TO STA. 15+220



ROAD CHAINAGE	226.42	226.29	226.15	226.02	225.88	225.75	225.61	225.51	225.44	225.37	225.30	225.23	225.16	224.88
BOT. EL. OF WM.														
EX. ROAD ELEV.	230.95	230.75	230.54	230.30	230.05	229.83	229.63	229.33	228.96	228.61	228.36	228.15	227.98	227.89

CAD Area	L.S.	Area	C.Z.	Project No.
	N.L.		A.L.	24-2273/24-2274/ 24-1193
Date	DEC 2024	Sheet	21 of 73	Plan No.
				PP09-D

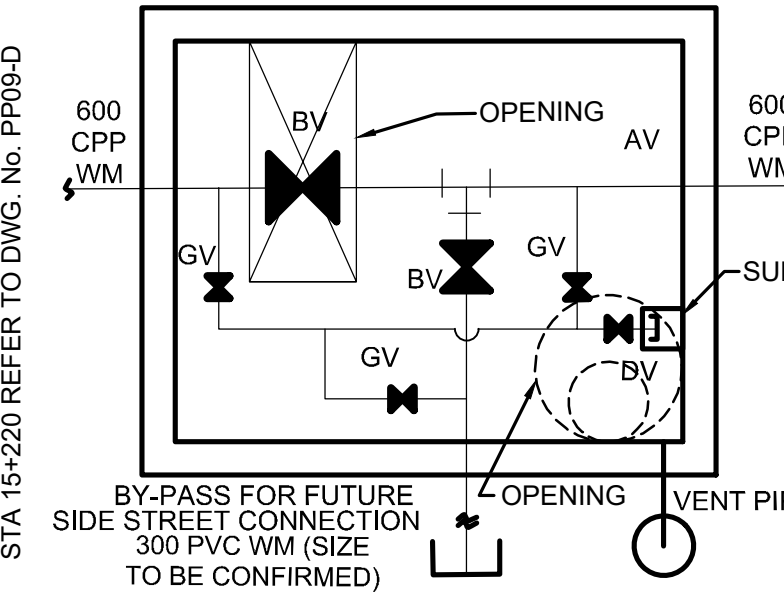
THE EXACT LOCATION AND Ex.ELEVATION FOR ALL Ex. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

THE COMPOUND AREA DETAIL SEE DWG. CMPD6-D

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.

KEY PLAN (N.T.S.)	
WEST HAMBUR RIVER	THE GORE RD
HEALEY RD	WATERFORD RD
MCVEAN DR	ALDENA ST
CONANT RD	QUANTERIE DR
CENTREVILLE CREEK RD	



THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EX. OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM4-D.

- LEGEND:**
- R — DENOTES EXISTING ROGERS
 - B — DENOTES EXISTING BELL
 - G — DENOTES EXISTING GAS MAIN
 - H — DENOTES EXISTING OVERHEAD CABLES
 - LS — DENOTES EXISTING STREET LIGHT CABLE
 - DENOTES COMPOUND AREA
 - ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters(m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

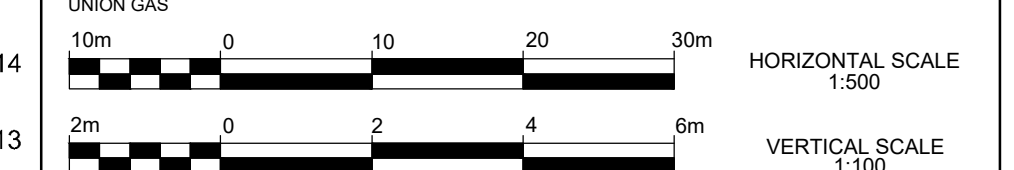
Agency: B.M. No. 44
 Elev. 227.690 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

DESIGNED BY: H. SARKISSIAN
 REGISTERED PROFESSIONAL ENGINEER
 DEC 17, 2024
 PROVINCE OF ONTARIO

Approved by: _____
 Chkd.

- NOTICE TO CONTRACTOR**
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|---------------------------------------|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/360 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |

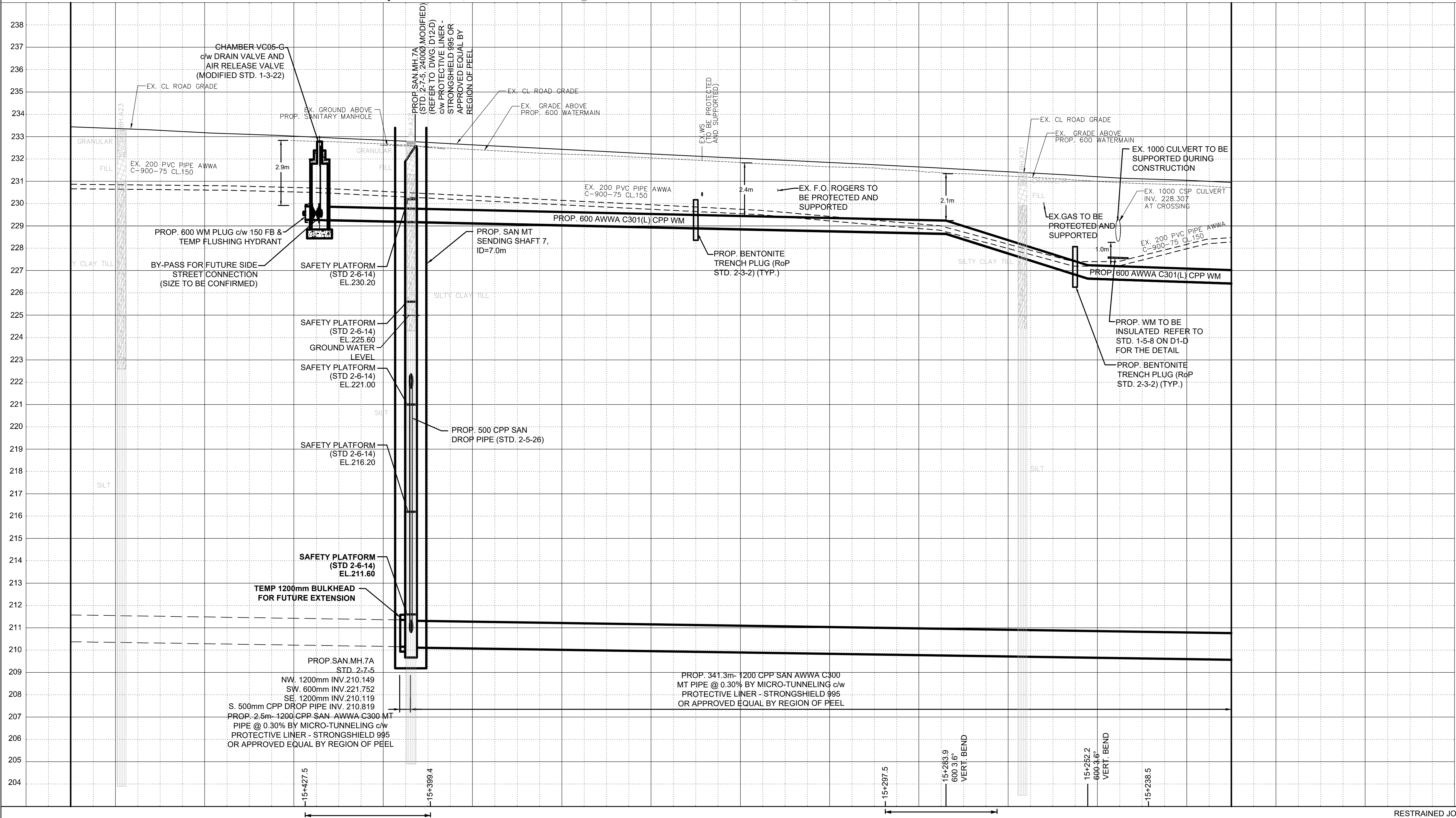


SCHAEFFERS
 CONSULTING ENGINEERS

6 Romrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com



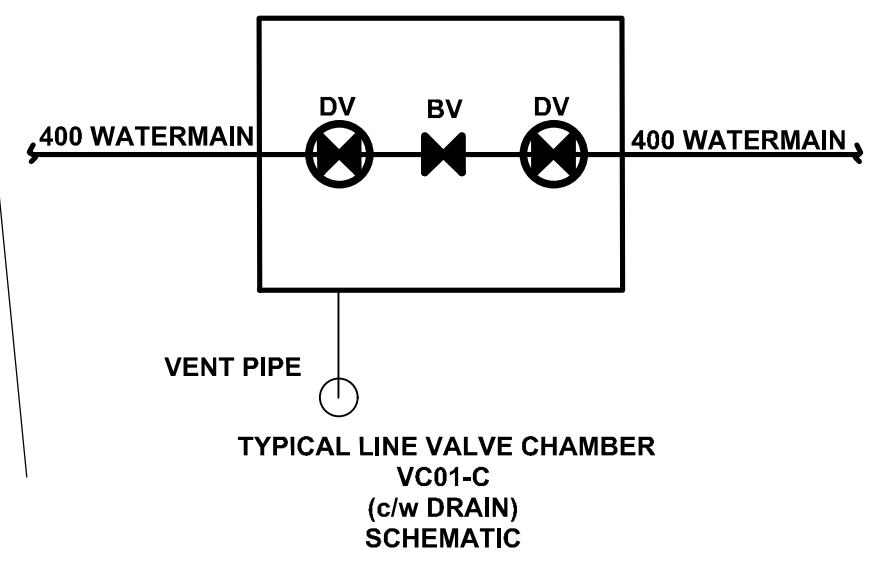
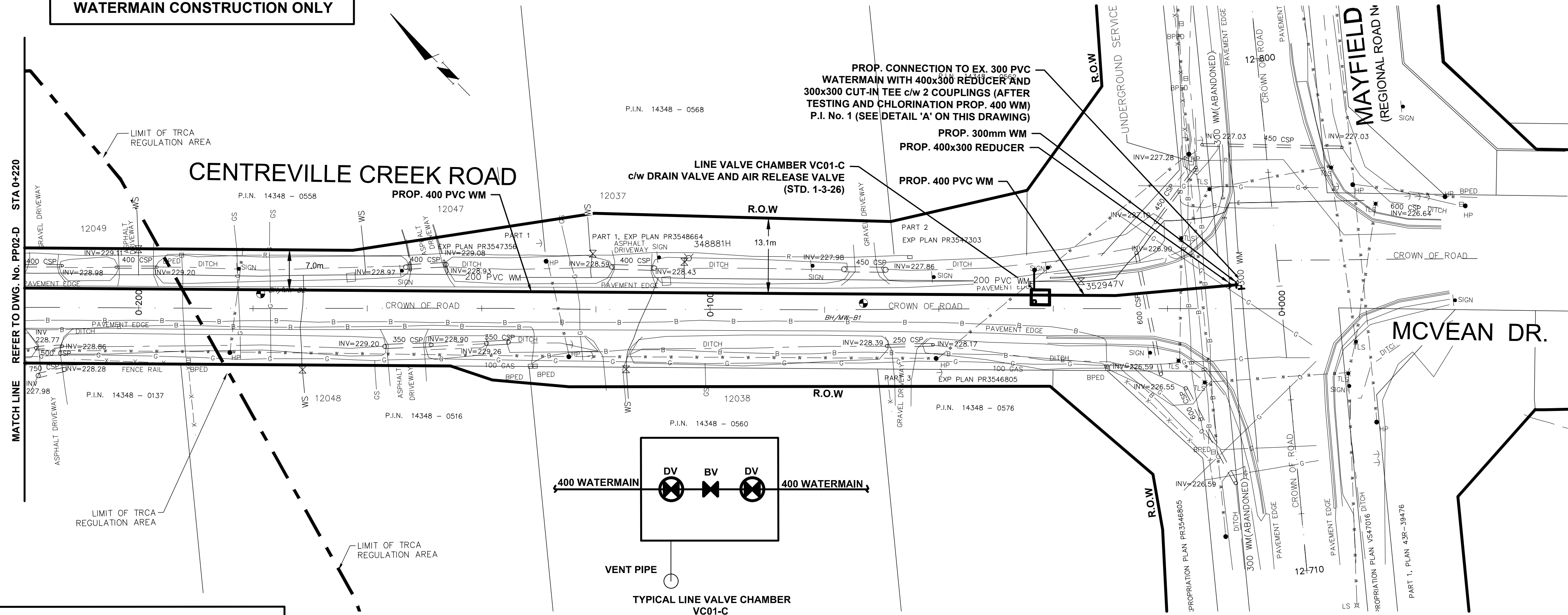
THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER STA. 15+220 TO STA. 15+480



RESTRAINED JOINTS														
STA	229.25	229.16	229.07	228.98	228.89	228.80	228.71	228.40	227.14	226.56	226.42			
BOT.EL. OF WM.	233.44	233.28	233.10	232.93	232.74	232.53	232.33	232.13	231.94	231.75	231.53	231.32	231.11	230.95
EX. ROAD ELEV.	15+480	15+460	15+440	15+420	15+400	15+380	15+360	15+340	15+320	15+300	15+280	15+260	15+240	15+220

CAD Area	L.S.	Area	C.Z.	Project No.	24-2273/24-2274/24-1193
Checked by	N.L.	Drawn by	A.L.	Sheet	22 of 73
Date	DEC 2024	Plan No.	PP10-D		

THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY



THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z.

NOTES:

- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
- LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
- FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
- ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
- FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- DENOTES PROPOSED WATERMAIN
- DENOTES EXISTING WATERMAIN
- DENOTES EXISTING STORM SEWER
- DENOTES ROGERS
- DENOTES EXISTING GAS MAIN
- DENOTES EXISTING AERIAL CABLES
- DENOTES LIMIT OF TRCA REGULATION AREA
- DENOTES SINGLE/DOUBLE CATCHBASIN

General Notes

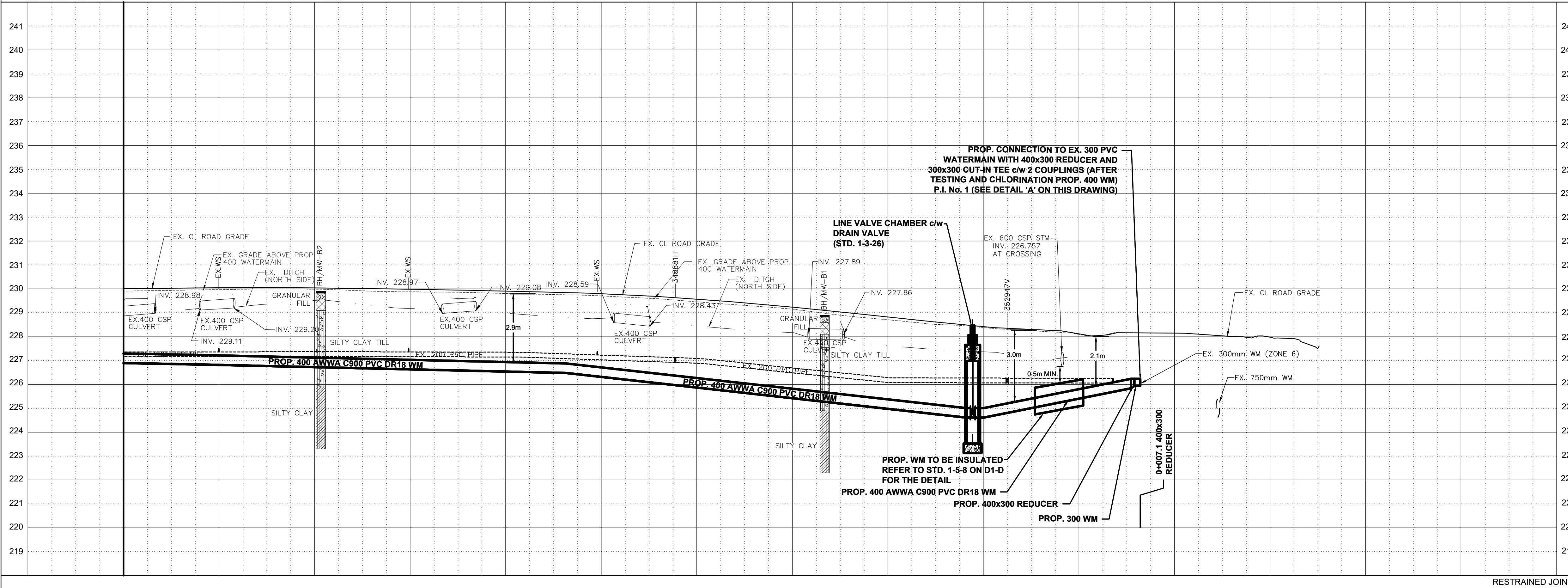
All Measurements Are In Meters(m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic)
 Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

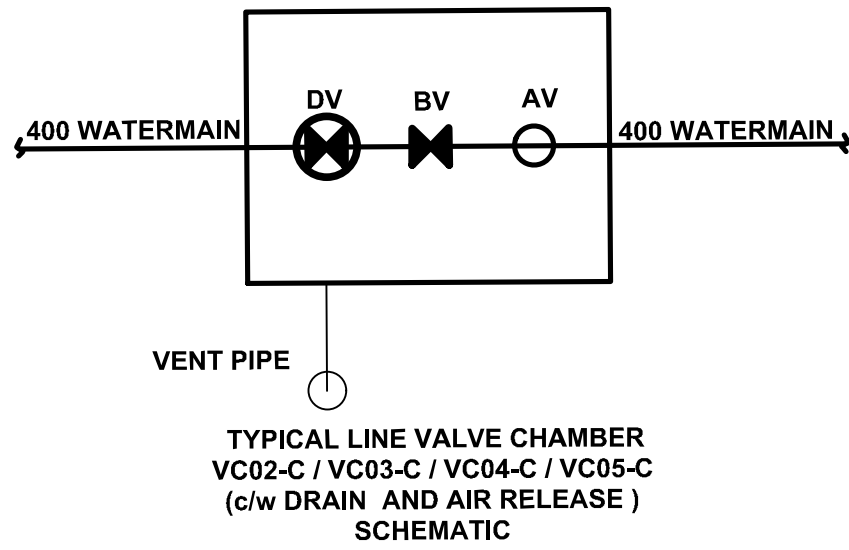
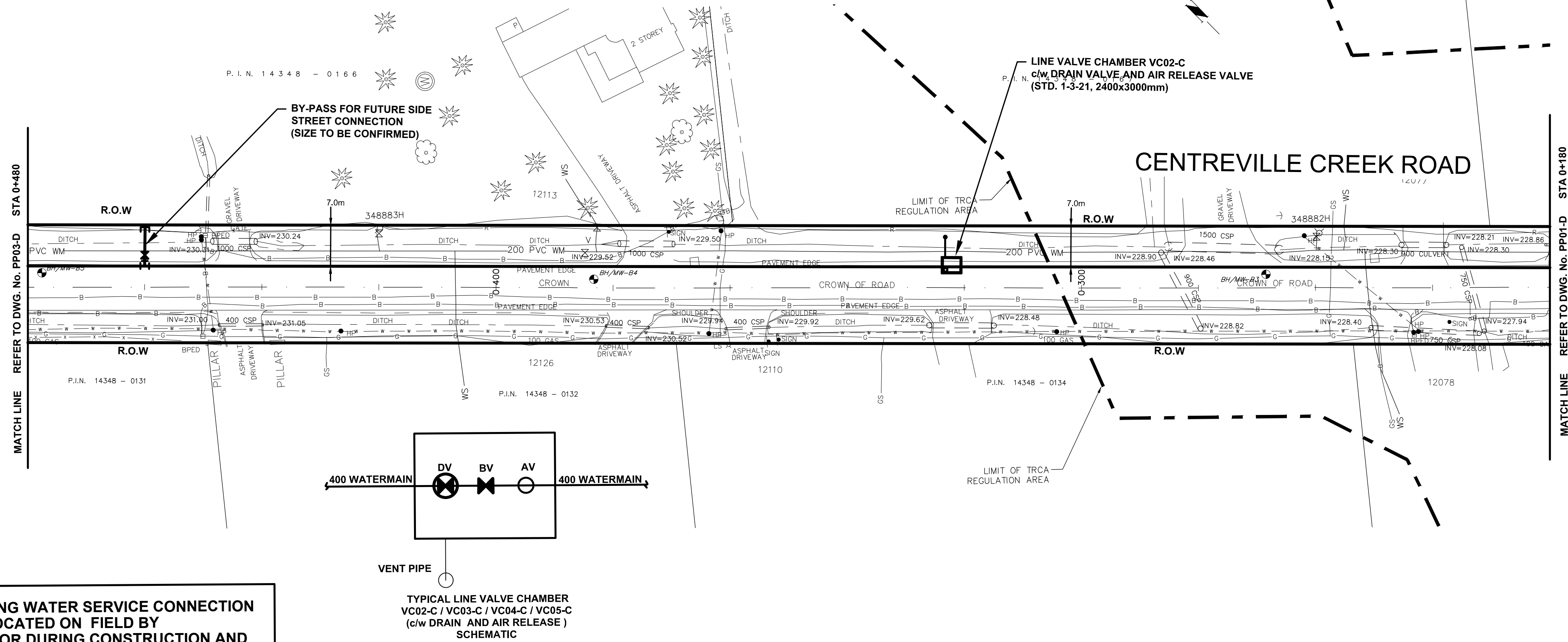
THE CENTREVILLE CREEK
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 400mm WATERMAIN
 STA. 0+000 TO STA. 0+220



STATION	226.90	226.86	226.82	226.77	226.72	226.68	226.63	226.58	226.54	226.49	226.40	226.29	226.19	226.08	225.97	225.87	225.76	225.65	225.59	225.67	225.75	225.83	
BOT. EL. OF WM.	229.91	229.94	229.97	230.00	229.99	229.92	229.88	229.86	229.81	229.76	229.71	229.61	229.46	229.31	229.15	228.90	228.71	228.52	228.38	228.25	228.10	228.19	
EX. ROAD ELEV.	0+220	0+210	0+200	0+190	0+180	0+170	0+160	0+150	0+140	0+130	0+120	0+110	0+100	0+090	0+080	0+070	0+060	0+050	0+040	0+030	0+020	0+010	0+000

RESTRAINED JOINTS	Area	X-XX	Project No.	291199
Checked by	N.L.	Drawn by	A.L.	
Date	JULY 2024	Sheet	4 of 14	Plan No.
				PP01-D

THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY



THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z.

NOTES:

- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
- LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
- FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
- ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
- FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- DENOTES PROPOSED WATERMAIN
- 200 PVC WM DENOTES EXISTING WATERMAIN
- 300 STM DENOTES EXISTING STORM SEWER
- R DENOTES ROGERS
- G DENOTES EXISTING GAS MAIN
- * * * DENOTES EXISTING AERIAL CABLES
- DENOTES LIMIT OF TRCA REGULATION AREA
- □ DENOTES SINGLE/DOUBLE CATCHBASIN

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic)
 Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

DESIGNED BY: H. SARKISIAN
 REGISTERED PROFESSIONAL ENGINEER
 PROVINCE OF ONTARIO
 SEP 16, 2022

Checked by: _____ Approved by: _____

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

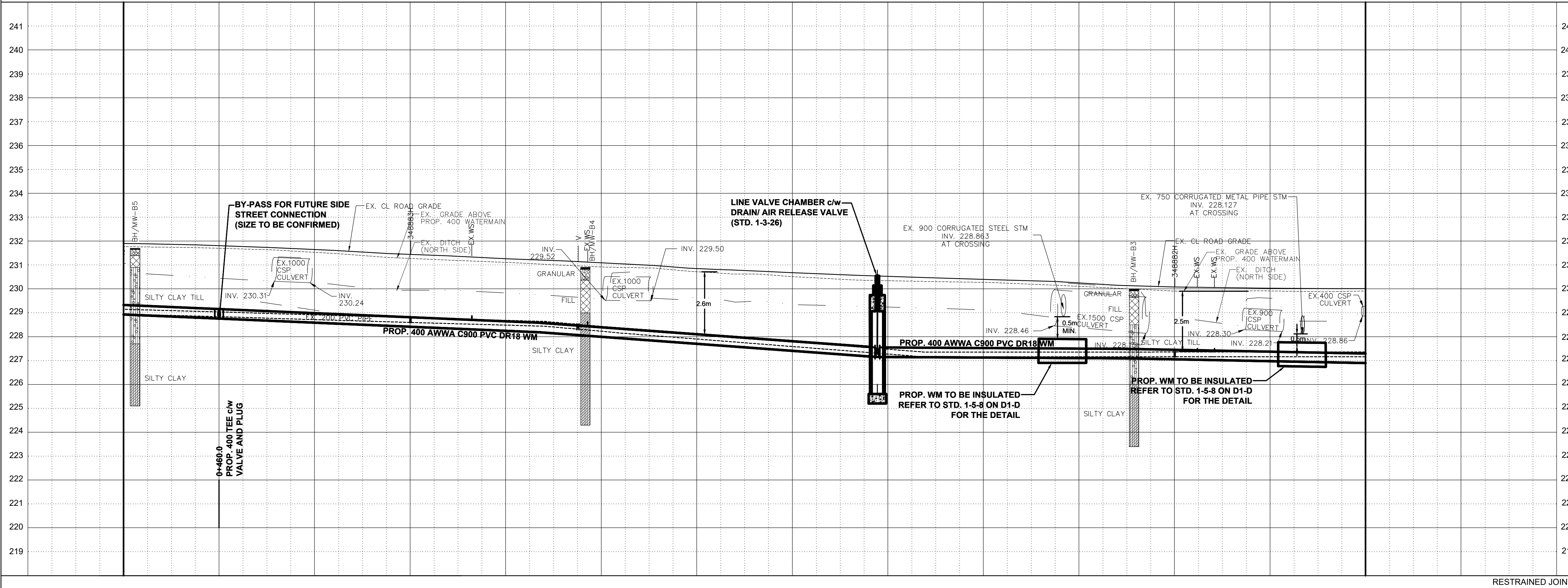
THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBERN/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS
 CONSULTING ENGINEERS
 6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

THE CENTREVILLE CREEK ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
PROP. 400mm WATERMAIN
 STA. 0+220 TO STA. 0+480



228.93	228.84	228.76	228.67	228.59	228.50	228.41	228.33	228.24	228.14	227.99	227.85	227.70	227.55	227.41	227.26	227.14	227.13	227.12	227.11	227.10	227.09	227.05	227.01	226.98	226.94	226.90
231.77	231.74	231.70	231.64	231.53	231.40	231.27	231.19	231.11	231.01	230.92	230.88	230.72	230.62	230.51	230.40	230.34	230.30	230.27	230.20	230.11	230.01	229.91	229.91	229.91	229.88	229.91
0+480	0+470	0+460	0+450	0+440	0+430	0+420	0+410	0+400	0+390	0+380	0+370	0+360	0+350	0+340	0+330	0+320	0+310	0+300	0+290	0+280	0+270	0+260	0+250	0+240	0+230	0+220

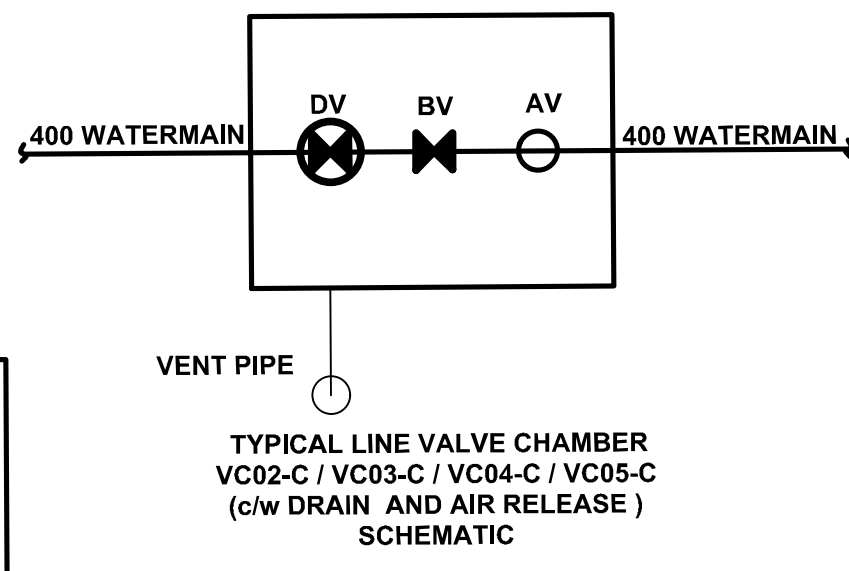
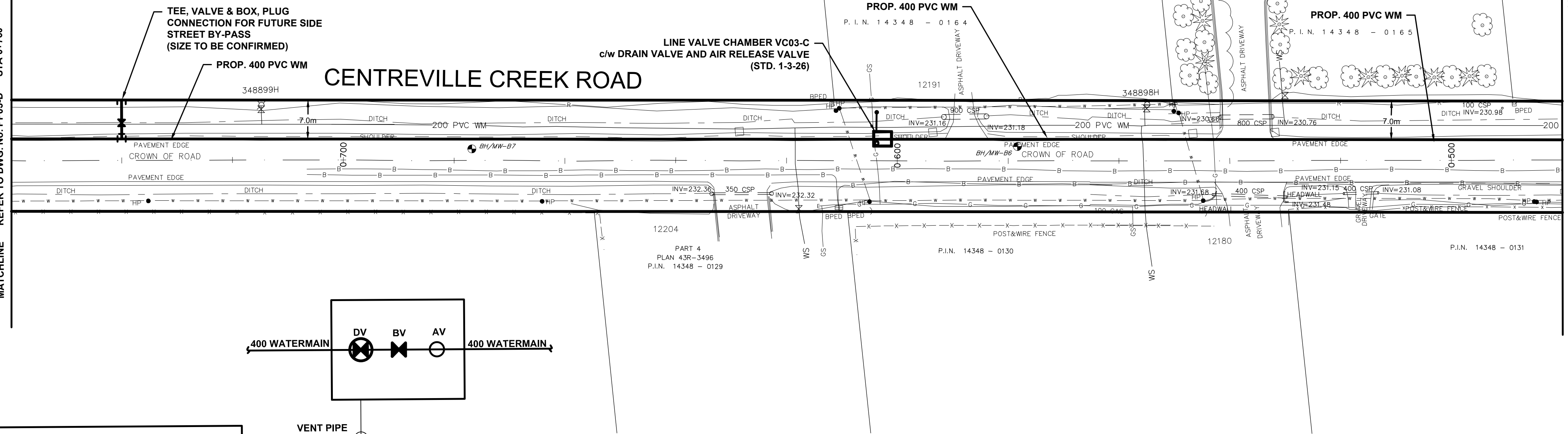
RESTRAINED JOINTS	BOT. EL. OF WM.	Project No.	291199
EX. ROAD ELEV.	Checked by: N.L.	Drawn by: A.L.	
ROAD CHAINAGE	Date: JULY 2024	Sheet: 5 of 14	Plan No. PP02-D

THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY

MATCHLINE REFER TO DWG. No. PP03-D STA 0+760

MATCHLINE REFER TO DWG. No. PP02-D STA 0+480

CENTREVILLE CREEK ROAD



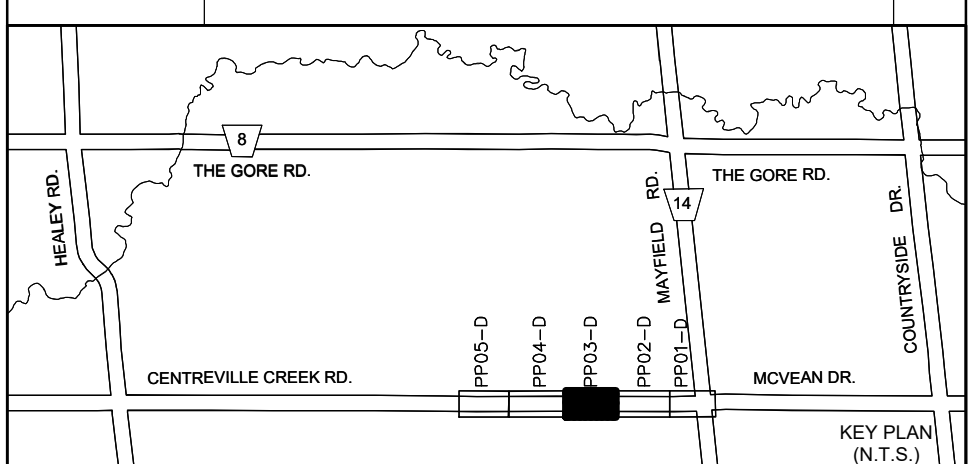
THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED

SERVICE DATA

SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS

DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- DENOTES PROPOSED WATERMAIN
- 200 PVC WM — DENOTES EXISTING WATERMAIN
- 300 STW — DENOTES EXISTING STORM SEWER
- R — DENOTES ROGERS
- G — DENOTES EXISTING GAS MAIN
- * — * — DENOTES EXISTING AERIAL CABLES
- — — DENOTES LIMIT OF TRCA REGULATION AREA
- □ DENOTES SINGLE/DOUBLE CATCHBASIN

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic) Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Professional Engineer Seal for H. SARKISIAN, No. 16257, Province of Ontario, dated Sept. 16, 2024.

Designed by: [Signature] Approved by: [Signature]

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

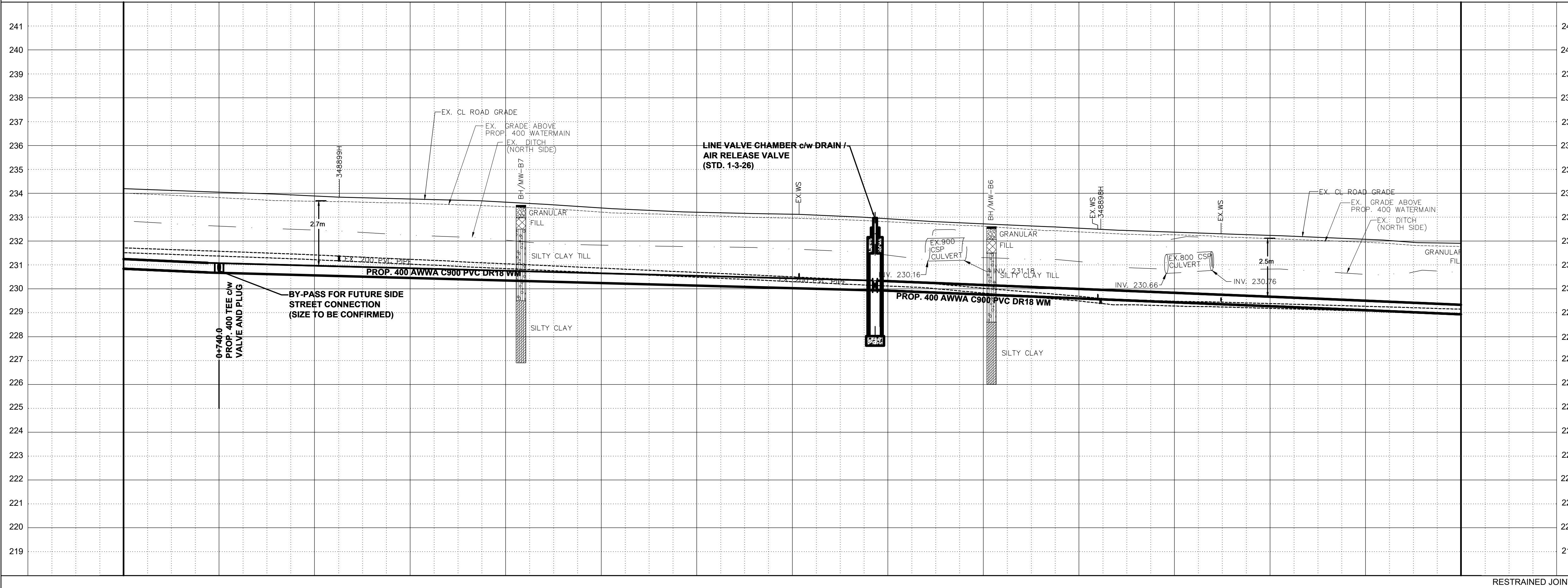
THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSM (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

Scale: 10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS CONSULTING ENGINEERS
 6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

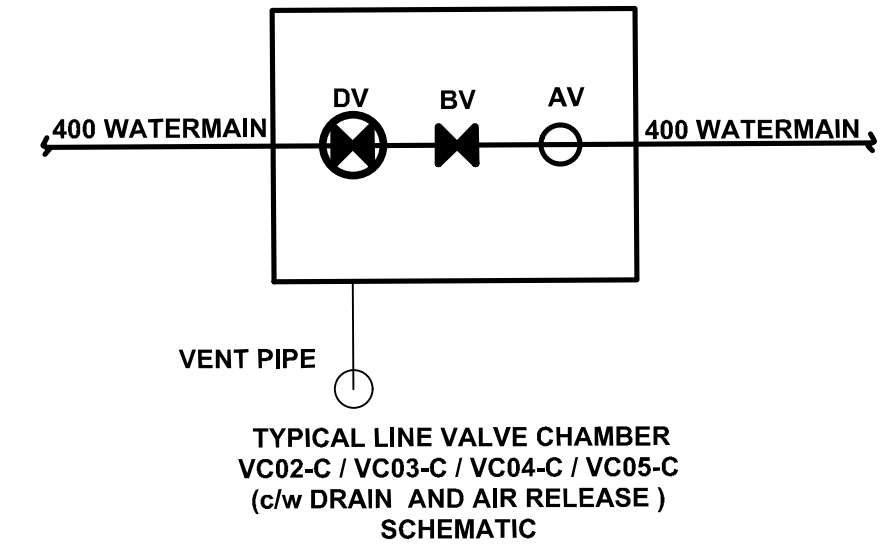
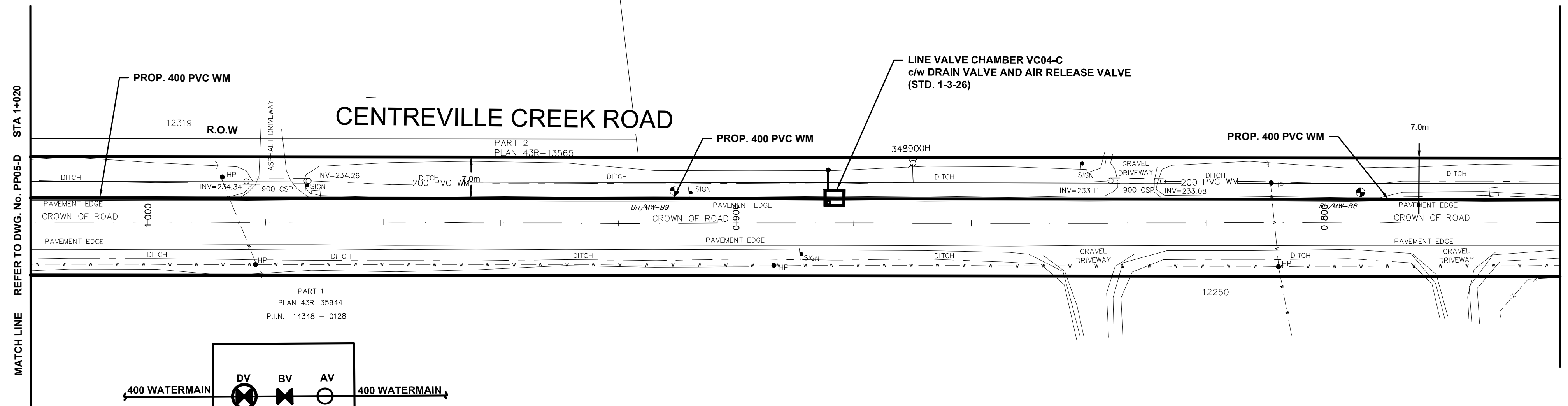
THE CENTREVILLE CREEK
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 400mm WATERMAIN
 STA. 0+480 TO STA. 0+760



Station	230.84	230.75	230.67	230.62	230.56	230.51	230.46	230.40	230.35	230.30	230.24	230.19	230.14	230.08	230.03	229.98	229.92	229.84	229.76	229.68	229.60	229.52	229.44	229.35	229.27	229.19	229.10	229.02	228.93	RESTRAINED JOINTS
Level	234.01	233.92	233.82	233.71	233.66	233.63	233.59	233.52	233.44	233.34	233.21	233.14	233.08	233.00	232.96	232.90	232.81	232.72	232.62	232.48	232.38	232.29	232.26	232.17	232.10	232.03	231.95	231.82	231.77	BOT. EL. OF WM.
Level	0+760	0+750	0+740	0+730	0+720	0+710	0+700	0+690	0+680	0+670	0+660	0+650	0+640	0+630	0+620	0+610	0+600	0+590	0+580	0+570	0+560	0+550	0+540	0+530	0+520	0+510	0+500	0+490	0+480	EX. ROAD ELEV.
Level																														ROAD CHAINAGE

CAD Area	X-XX	Area	X-XX	Project No.	291199
Checked by	N.L.	Drawn by	A.L.	Date	JULY 2024
Date	JULY 2024	Sheet	6 of 14	Plan No.	PP03-D

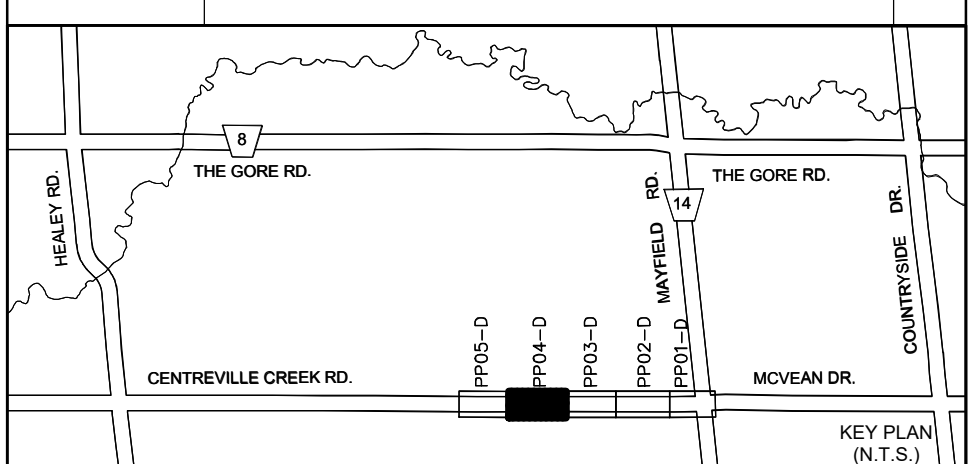
THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY



THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- DENOTES PROPOSED WATERMAIN
- 200 PVC WM — DENOTES EXISTING WATERMAIN
- 300 STW — DENOTES EXISTING STORM SEWER
- R — DENOTES ROGERS
- G — DENOTES EXISTING GAS MAIN
- * — DENOTES EXISTING AERIAL CABLES
- — DENOTES LIMIT OF TRCA REGULATION AREA
- □ DENOTES SINGLE/DOUBLE CATCHBASIN

General Notes

All Measurements Are In Meters(m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic) Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Professional Engineer's Stamp for H. SARKISIAN, P. ENG., No. 16227, Province of Ontario. Includes 'Checked by' and 'Approved by' lines.

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

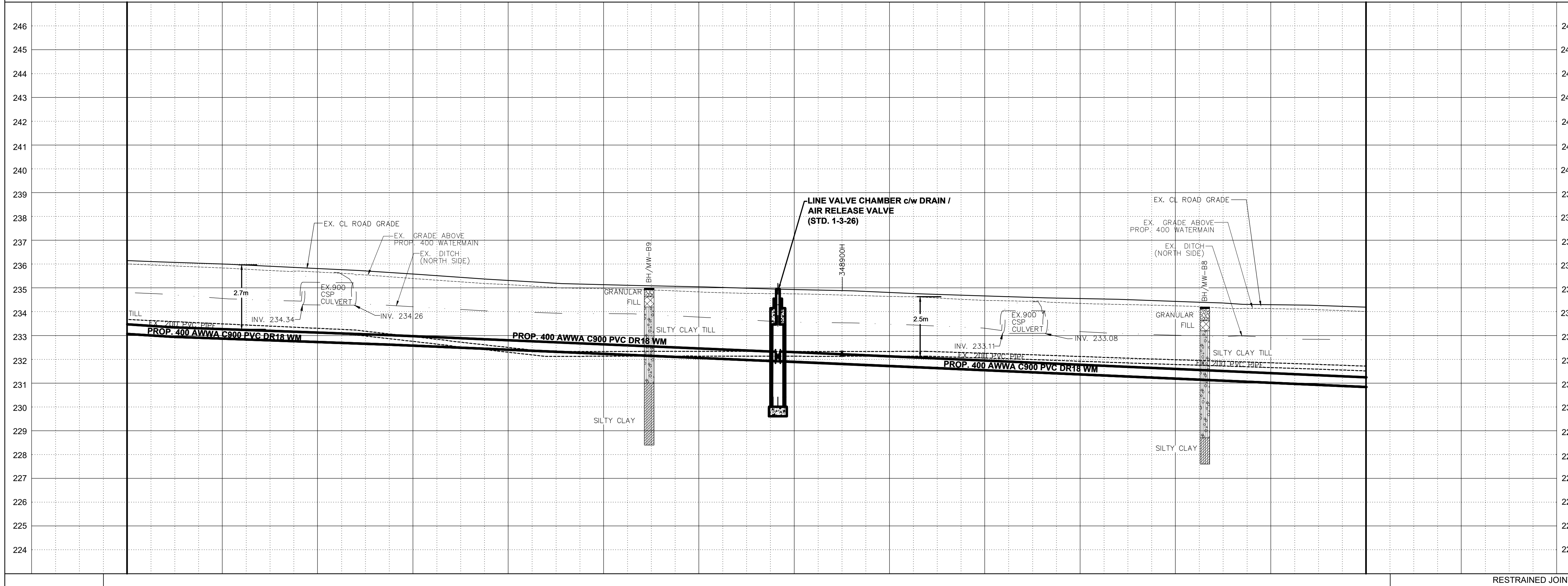
THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

Scale: 10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS CONSULTING ENGINEERS
 6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

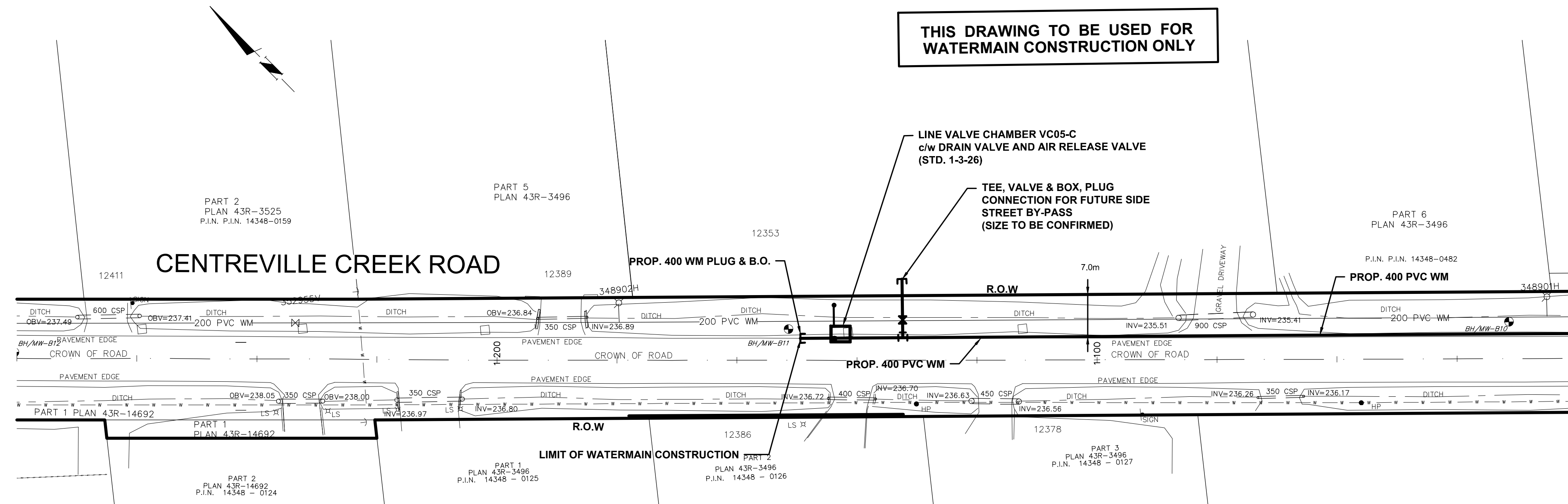
Region of Peel
 working with you

THE CENTREVILLE CREEK
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 400mm WATERMAIN
 STA. 0+720 TO STA. 1+020



233.07	232.94	232.87	232.80	232.73	232.65	232.58	232.49	232.40	232.32	232.23	232.15	232.06	231.97	231.89	231.80	231.72	231.63	231.54	231.46	231.37	231.28	231.19	231.10	231.02	230.93	230.84	RESTRAINED JOINTS
236.00	235.92	235.84	235.73	235.67	235.54	235.39	235.25	235.14	235.01	234.97	234.91	234.83	234.77	234.75	234.70	234.64	234.57	234.47	234.44	234.35	234.30	234.25	234.15	234.13	234.08	234.01	BOT. EL. OF WM.
1+020	1+010	1+000	0+990	0+980	0+970	0+960	0+950	0+940	0+930	0+920	0+910	0+900	0+890	0+880	0+870	0+860	0+850	0+840	0+830	0+820	0+810	0+800	0+790	0+780	0+770	0+760	EX. ROAD ELEV.
ROAD CHAINAGE																											

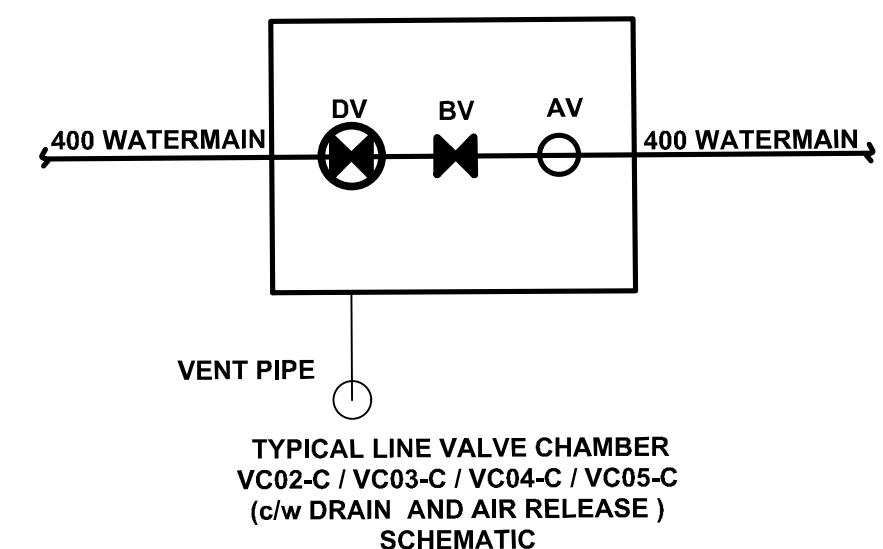
CAD Area	X-XX	Area	X-XX	Project No.	291199
Checked by	N.L.	Drawn by	A.L.	Date	JULY 2024
Sheet	7 of 14	Plan No.	PP04-D		



THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY

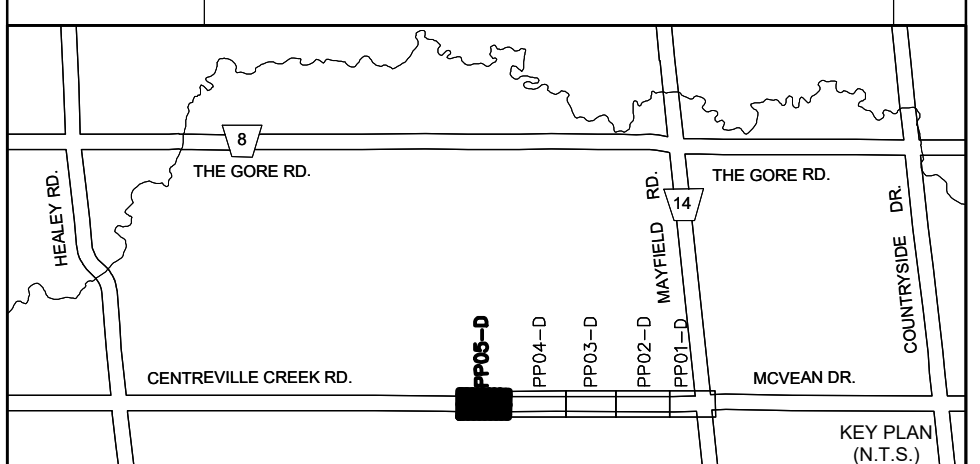
CENTREVILLE CREEK ROAD

THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED



SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMANS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- 400 WATERMAIN — DENOTES PROPOSED WATERMAIN
- 200 PVC WM — DENOTES EXISTING WATERMAIN
- 300 STW — DENOTES EXISTING STORM SEWER
- R — DENOTES ROGERS
- G — DENOTES EXISTING GAS MAIN
- * — DENOTES EXISTING AERIAL CABLES
- — DENOTES LIMIT OF TRCA REGULATION AREA
- □ DENOTES SINGLE/DOUBLE CATCHBASIN

General Notes

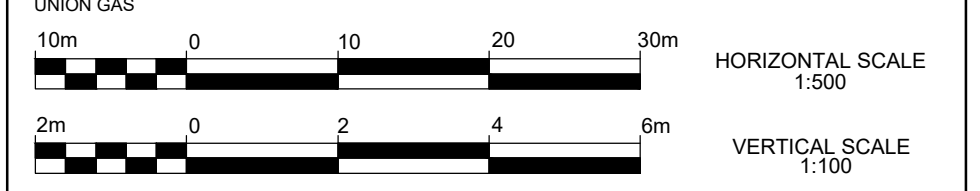
All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic) Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

DESIGNED BY: H. SARKISIAN
 REGISTERED PROFESSIONAL ENGINEER
 PROVINCE OF ONTARIO
 SEPT. 16, 2023

Checked: _____ Approved by: _____

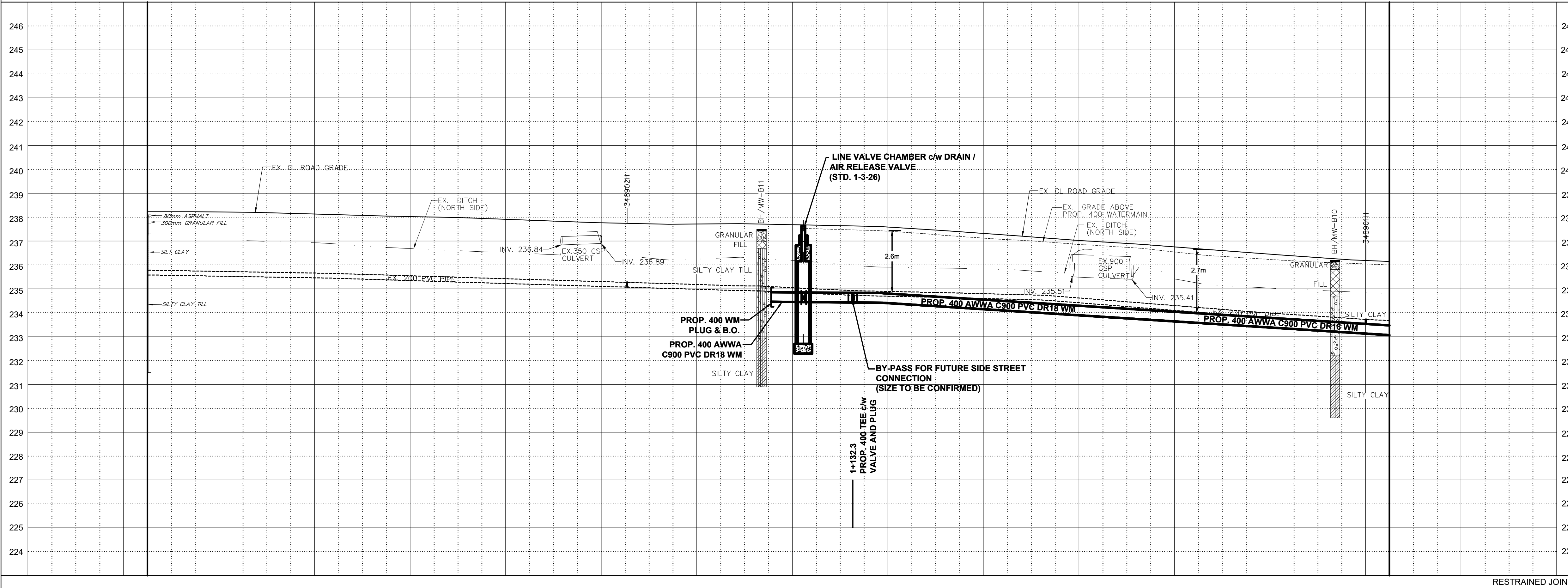
- NOTICE TO CONTRACTOR**
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|---------------------------------------|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/360 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |



SCHAEFFERS CONSULTING ENGINEERS
 6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com



THE CENTREVILLE CREEK
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
PROP. 400mm WATERMAIN
 STA. 1+020 TO STA. 1+280

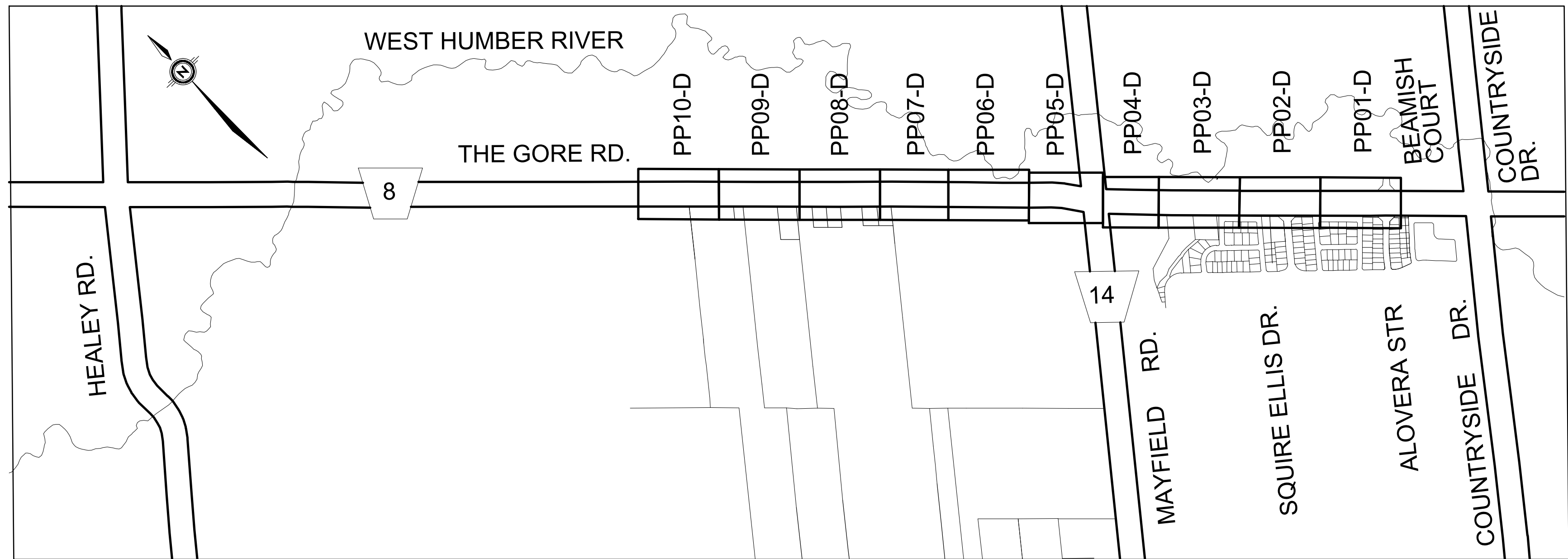


Station	234.45	234.43	234.34	234.21	234.08	233.96	233.83	233.70	233.58	233.45	233.32	233.19	233.07
1+280	237.51	237.46	237.35	237.20	237.06	236.94	236.80	236.65	236.44	236.30	236.17	236.08	236.00

CAD Area	X-XX	Area	X-XX	Project No.	291199
Checked by	N.L.	Drawn by	A.L.	Date	JULY 2024
Sheet	8 of 14	Plan No.	PP05-D		

APPENDIX E2.2

DESIGN DRAWINGS



DESIGN NOTES - GENERAL:

- DESIGN NOTES ARE INCLUDED FOR KEY ISSUES TO BE DISCUSSED/RESOLVED PRIOR TO NEXT DESIGN PHASE.
- UTILITY RELOCATIONS TO BE COORDINATED WITH UTILITY COMPANIES.

GENERAL STAGING NOTES:

- STAGING OF WORKS TO COMPLY WITH ONTARIO TRAFFIC MANUAL BOOK 7 AND TO BE APPROVED BY THE AGENCY.
- WORKS TO BE CARRIED OUT USING LANE REDUCTIONS. MINIMUM TWO LANES OF TRAFFIC SHALL BE MAINTAINED DURING OFF-PEAK HOURS AND MINIMUM FOUR LANES OF TRAFFIC SHALL BE MAINTAINED DURING PEAK TRAFFIC PERIODS ON MAYFIELD ROAD.
- EXCAVATIONS ADJACENT TO TRAFFIC TO BE REINSTATED TO EXISTING GRADES AT END OF EACH WORKING DAY. PROVIDE LANE REDUCTIONS WITH FLAGGING DURING OFF-PEAK HOURS, AS REQUIRED, TO ACCOMMODATE THIS WORK (AS APPROVED BY THE AGENCY).
- ACCESS TO ALL ENTRANCES/SIDE ROADS TO BE MAINTAINED AT ALL TIMES.
- CONTRACTOR TO MAINTAIN PEDESTRIAN ACCESS AT ALL CROSSWALKS. AT LEAST ONE SIDEWALK/MUP ON EITHER SIDE OF THE ROADWAY MUST REMAIN OPEN AT ALL TIMES.
- CONTRACTOR SHALL ARRANGE FOR PAY DUTY POLICE WHEN WORKING WITHIN 30m OF A SIGNALIZED INTERSECTION.
- CONTRACTOR'S PROPOSED ALTERNATE STAGING PLANS TO BE APPROVED BY THE CONTRACT ADMINISTRATOR.
- CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES CONTINUOUSLY.
- DITCHES SHALL BE CONSTRUCTED/STABILIZED TO RECEIVE STORMWATER RUNOFF PRIOR TO EMBANKMENT WORKS OR CUT SLOPE WORKS.
- STABILIZE ALL SLOPES, DITCHES AND EXPOSED EARTH WITH TOPSOIL, SEED, EROSION CONTROL BLANKET AND/OR SOD IMMEDIATELY UPON GRADING AND PRIOR TO ACCEPTING STORMWATER RUNOFF.
- CONTRACTOR MAY WORK CONCURRENTLY IN MULTIPLE AREAS, PROVIDED THAT CRITICAL PATH/STAGES ARE COMPLETED PRIOR TO IDENTIFIED DEPENDENT ACTIVITIES.
- CONTRACTOR TO MAINTAIN TEMPORARY BUS STOPS AT ALL TIMES.
- ALL REQUIRED TRAFFIC SIGNS, WHETHER REGULATORY, WARNING, TEMPORARY OR GUIDE/DIRECTIONAL IN NATURE SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SPECIFICATIONS AND LEGISLATION CONTAINED IN THE OTM MANUALS, THE HTA AND REGION OF PEEL TRAFFIC BY-LAW.
- TRAFFIC CONTROLLERS MUST BE INSTALLED AS PER APPROVED LOCATIONS. EQUIPMENT MUST NOT ENCRUSH ON PRIVATE PROPERTY WITHOUT PERMISSION TO ENTER, EASEMENT, PERMANENT OR TEMPORARY UNDERTAKINGS.

REGION OF PEEL - GENERAL:

- THE APPLICANT, APPLICANT'S REPRESENTATIVE, CONSULTANT, CONTRACTOR AND SUB CONTRACTORS ARE RESPONSIBLE TO ENSURE THAT THEIR DESIGN MATERIALS AND CONSTRUCTION PRACTICES CONFORM TO THE LATEST REGION OF PEEL STANDARDS, SPECIFICATIONS, MATERIALS AND DESIGN CRITERIA, POSTED ON REGION OF PEEL'S WEBSITE (www.peelregion.ca/public-works/design-standards/). IN THE ABSENCE OF REGION SPECIFICATIONS, THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) SHALL APPLY.
- ALL WORKS SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT". THE GENERAL CONTRACTOR SHALL BE DEEMED THE CONSTRUCTOR AS DEFINED IN THE ACT.
- THE CONTRACTOR AT THEIR EXPENSE SHALL VERIFY THE LOCATION, DIMENSION AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES IN THE FIELD.
- PRIOR TO EXCAVATION OR BORING CONTRACTOR AT THEIR EXPENSE SHALL EXPOSE AND VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND SERVICES TO BE CROSSED AND MUST NOTIFY THE DESIGN ENGINEER AND THE AGENCY FIELD INSPECTOR AND/OR PROJECT MANAGER IMMEDIATELY. IN WRITING, OF ANY CONFLICTS OR DISCREPANCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING THE EXISTING UTILITIES FAR ENOUGH IN ADVANCE OF CONSTRUCTION TO MAKE NECESSARY DESIGN MODIFICATIONS FOR REVIEW AND APPROVAL, IF REQUIRED, WITHOUT DELAYING THE WORK.
- THE CONTRACTOR, AT THEIR EXPENSE AND TO THE SATISFACTION OF THE REGION OF PEEL, SHALL BE RESPONSIBLE FOR THE RESTORATION AND THE REPAIR OF THE EXISTING UTILITIES AND ALL AREAS BEYOND THE PLAN OF SUBDIVISION DISTURBED DURING CONSTRUCTION.
- THE SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- ALL BACKFILL FOR SEWERS, WATERMAINS AND UTILITIES ON THE ROAD ALLOWANCE MUST BE MECHANICALLY COMPACTED.
- ALL BOREHOLES SHOWN ON DRAWING ARE FOR INFORMATION ONLY. REFER TO GEOTECHNICAL REPORT.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.

WATERMAIN

- THE REGION OF PEEL SHALL CONDUCT THE OPERATION OF EXISTING VALVES AND HYDRANTS IF REQUIRED.
- CONTRACTOR MUST USE BATTER OR ROD-AND-LEVEL METHOD FOR WATERMAIN INSTALLATION.
- ALL WATERMAINS SHALL HAVE 1.70m MINIMUM COVER FOR URBAN ROAD DESIGN AND 2.1m MINIMUM COVER FOR RURAL ROAD DESIGN.
- ALL WATERMAINS SHALL MAINTAIN A MINIMUM 1.5m CLEARANCE FROM ALL MANHOLES AND CATCH BASINS, WHERE APPLICABLE.
- FOR WATERMAINS CROSSING OVER OR UNDER SEWERS A MINIMUM 0.5m VERTICAL CLEARANCE SHALL BE PROVIDED.
- FOR WATERMAIN CROSSING A SANITARY SEWER, WATERMAIN JOINTS ARE TO BE OFFSET A MINIMUM OF 2.5m HORIZONTALLY FROM THE CENTERLINE OF THE SANITARY SEWER.
- WATERMAIN BEDDING SHOULD BE AS PER DWG 1-5-1.
- WATERMAINS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED PLANS. COPY OF GRADE SHEET MUST BE SUPPLIED TO THE REGION OF PEEL INSPECTOR PRIOR TO COMMENCEMENT OF WORK.
- ANY JOINT DEFLECTION SHALL BE 50% OF MANUFACTURER'S SPECIFICATIONS. PIPE BARREL DEFLECTION IS PROHIBITED.
- FIRE HYDRANTS SHALL BE INSTALLED AS PER REGION STD. DWG. 1-6-1 OR 1-6-2 WITH FLANGE SET BETWEEN 50mm AND 150mm ABOVE FINISHED GRADE.
- ALL HYDRANTS SHALL HAVE 1.2m MINIMUM HORIZONTAL CLEARANCE FROM ALL OTHER UTILITIES AND STRUCTURES MEASURED FROM THE NEAREST POINT OF THE STRUCTURE.
- MECHANICAL RESTRAINTS ARE REQUIRED FOR ALL FITTINGS, VALVES, DEAD ENDS, CAPS AND HYDRANTS ON ALL PVC WATERMAINS. MINIMUM RESTRAINED PIPE LENGTH AS PER REGION'S STANDARD DRAWING 1-5-9.
- STAINLESS STEEL NUTS AND BOLTS ARE TO BE USED ON ALL METALLIC FITTINGS AND JOINT RESTRAINTS.
- ALL METALLIC VALVES, FITTINGS, THROUGH WALL METAL PIPING AND JOINT RESTRAINTS TO BE CW DENSO PASTE, DENSO MASTIC & DENSO TAPE OR APPROVED EQUAL APPLIED TO MANUFACTURER'S RECOMMENDATIONS.
- WHERE PLASTIC PIPE IS USED, INSTALL A 12 GAUGE TWU STRANDED COPPER, LIGHT COLOURED, PLASTIC COATED TRACER WIRE ATTACHED TO THE PIPE WITH APPROVED WIRE SPLICE. THE WIRE SHOULD BE BROUGHT TO THE SURFACE AT EACH SERVICE & VALVE BOX AND HYDRANT VALVES.
- 50mm DIAMETER WATERMAIN SHALL BE TYPE K SOFT COPPER. WATERMAIN INSTALLATION IN CUL-DE-SACS AS PER REGION STD. DWG. 1-7-4.
- A PHYSICAL SEPARATION MUST BE MAINTAINED AT ALL CONNECTION POINTS OF NEW WATERMAIN TO THE EXISTING SYSTEM UNTIL BACTERIOLOGICAL TESTS HAVE PASSED, AS PER STD. DWG 1-7-7 AND 1-7-8.
- PROVISION FOR FLUSHING OF NEW WATERMAINS PRIOR TO TESTING MUST BE PROVIDED WITH AT LEAST 50mm OUTLET ON WATERMAINS SMALLER THAN 300mm IN DIAMETER, AND MINIMUM 100mm OUTLET ON WATERMAINS 300mm AND LARGER. COPPER WATERMAINS ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE WATERMAIN, AS PER STD. DWG. 1-7-7 AND 1-7-8.

- ALL SERVICE CONNECTIONS TO PVC PIPES ARE TO BE MADE USING APPROVED WIDE BAND SERVICE SADDLE. DIRECT TAPPING IS NOT ALLOWED.
- ALL WATER SERVICES SHALL BE MINIMUM 25mm DIA NOMINAL COPPER PIPE SIZE OR 32mm DIA POLYETHYLENE PIPE. IN GENERAL, NON METALLIC SERVICES SHALL BE ONE SIZE LARGER THAN THE NOMINAL COPPER PIPE SIZE AS PER LATEST APPROVED REGIONAL PRODUCT LIST AND SIZES CW TRACER WIRE.
- THE MINIMUM LATERAL DISTANCE BETWEEN WATER SERVICES AND OTHER UTILITIES SHALL BE 1.2m.
- ALL RESIDENTIAL WATER SERVICE BOXES/CURB STOPS SHALL BE INSTALLED WITHIN SLOPED AREAS WITH MINIMUM DISTANCE OF 1.0 METRE FROM THE EDGE OF THE DRIVEWAY, BE FLUSH WITH GRADE AND ACCESSIBLE AT ALL TIME.
- VALVE AND BOXES SHALL BE CAST IRON SLIDING TYPE, COMPLETED WITH VALVE GUIDE PLATES AND INSTALLED AS PER REGION STD. 1-3-8. MAINLINE VALVES TO BE RESTRAINED AS PER REGION STD. 1-3-3A. VALVES SHALL OPEN TO THE LEFT (COUNTER-CLOCKWISE).
- ALL WATER SERVICES BOXES SHOULD BE "LEAD FREE" AS PER REGION'S MATERIAL SPECIFICATIONS.
- THE REGION WILL COMPLETE THE NECESSARY WATER TESTING (PRESSURE TEST, FLUSHING, CHLORINATION AND SAMPLING). CONTRACTOR MAY PROCEED WITH HIS OWN PRESSURE TEST AND FLUSHING PRIOR TO REGION'S TESTING.
- ALL METALLIC WATER PIPES INCLUDING "K" COPPER WATER SERVICES, INSTALLED OR REPAIRED, SHALL HAVE ZINC ANODE AS PER REGION OF PEEL STANDARD 1-7-1, OPS5422 AND OPSD 1109.011 AND TO CONFORM TO ASTM B-418 TYPE.
- ALL WATERMAIN PIPE DELIVERED ON SITE SHALL HAVE MANUFACTURER'S PLUGS AND STORED SO THAT NO DEBRIS ENTERS THE PIPE. NO WATERMAIN IS TO BE INSTALLED UNTIL NIGHT PLUG IS ON SITE. NIGHT PLUG TO BE USED EVERY TIME WORK IS STOPPED.

WATERMAIN IN FILL AREA

- NO WATERMAIN TO BE LAID ON FILL UNTIL THE FIELD DENSITY TEST REPORTS HAVE BEEN SUBMITTED TO AND APPROVED BY THE REGION OF PEEL OR THE CONSULTING ENGINEER.
- PIPE JOINTS DEFLECTIONS ARE NOT ALLOWED IN FILL AREA.
- JOINTS SHALL BE MECHANICALLY RESTRAINED THE WHOLE LENGTH.
- ALL HYDRANTS, TEE BRANCH VALVES AND HORIZONTAL BENDS ARE TO BE MECHANICALLY RESTRAINED WITH TIE RODS.
- IN EXISTING MUNICIPAL RIGHT-OF-WAY OR EASEMENT, FILL TO BE PLACED TO 600mm MINIMUM ABOVE THE OBVERT OF THE WATERMAIN AND TO 300mm EITHER SIDE, COMPACTED TO MINIMUM 100% STANDARD PROCTOR DENSITY IN 300mm LIFTS, AND THEREAFTER, FOR EVERY 300mm LIFT ALONG THE CENTERLINE, AND 1.5m TO EITHER SIDE, OF WATERMAIN AT MAXIMUM INTERVAL OF 30.0m. TEST RESULTS MUST BE SUBMITTED TO AND APPROVED BY THE CONSULTANT OR AGENCY.

SANITARY SEWERS

- ALL SANITARY SEWER BEDDING AS PER STD. 2-3-1.
- MAINLINE SANITARY SEWER PIPE SIZE SHALL BE MINIMUM 250mm IN DIAMETER INSTALLED AT THE APPROVED DESIGN GRADE. PIPE CLASS AND APPURTENANCES AS PER REGION'S SPECIFICATIONS.
- ALL SEWERS CONSTRUCTED WITH GRADES 0.5% OR LESS SHALL BE APPROVED BY THE ENGINEER AND THE AGENCY PROJECT MANAGER OR DESIGNATE AND BE INSTALLED WITH LASER AND CHECKED PRIOR TO BACKFILL.
- MINIMUM SANITARY SEWER PIPE SLOPE FOR LAST LEG SHALL BE 1% AND DESIRABLE SLOPE 2%.
- ALL MANHOLES SHALL BE AS PER REGION STD. DWG. 2-5-2, 2-5-3, 2-5-4, 2-5-5 AND 2-5-6 AND BENCHING AS PER STD. 2-5-20.
- FRAME AND COVERS SHALL BE AS PER REGION STD. DWG. 2-5-13, 2-6-1 to 2-6-8.
- MANHOLE STEPS OR LADDERS SHALL BE AS PER REGION STD. DWG. 2-6-9 to 2-6-11.
- MANHOLES DEEPER THAN 5.0m MUST BE EQUIPPED WITH SAFETY PLATFORMS, AS PER STD. 2-6-13 and 2-6-14.
- MANHOLE DROP STRUCTURES SHALL BE AS PER REGION STD. DWG. 2-5-26 AND 2-5-27.
- SANITARY SERVICE LATERALS SHALL BE MINIMUM 125mm DIAMETER.
 - SANITARY SERVICE SHALL BE LOWER THAN AND TO THE RIGHT OF THE STORM SERVICE AT THE PROPERTY LINE WHEN FACING THE LOT FROM THE STREET.
 - CONNECTIONS TO SEWERS SHALL BE MADE WITH MANUFACTURED TEES OR WYES WHERE APPLICABLE AND SHALL BE COLOUR CODED AS NON-WHITE, AS PER STD. DWG. 2-4-1 to 2-4-7.

REGIONAL ROAD

- CONSTRUCTION AND DETOUR SIGNAGE MUST CONFORM TO "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND LATEST REVISION OF THE ONTARIO MINISTRY OF TRANSPORTATION "TRAFFIC CONTROL MANUAL FOR ROADWAY WORK OPERATIONS".
- ALL TEMPORARY SIGNAGE AND TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ONTARIO TRAFFIC MANUAL, BOOK 7 "TEMPORARY CONDITIONS" AND OPS SPECIFICATIONS AND STANDARD DRAWINGS.
- PAVEMENT MARKINGS MUST BE IN ACCORDANCE WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11 "PAVEMENT HAZARD AND DELINEATION MARKINGS".
- THE CONTRACTOR SHALL NOTIFY IN ADVANCE, AS REQUIRED, THE APPROPRIATE AUTHORITY HAVING JURISDICTION FOR THE ROAD PRIOR TO COMMENCING ANY WORK AND SHALL ACQUIRE AND SATISFY THE REQUIREMENTS OF APPROPRIATE PERMITS (FEES, INSPECTIONS, SIGNAGE, TRAFFIC, MAINTENANCE, DIVERSION, ETC..)
- REGIONAL ROAD CLOSURE IS NOT PERMITTED AT ANY TIME UNLESS APPROVAL FROM REGIONAL COUNCIL WAS OBTAINED FOR THE WORKS. WHERE A MINIMUM TWO MONTH LEAD TIME IS REQUIRED, AS PER REGIONAL POLICY W30-12.
- WORK OPERATIONS THAT REQUIRE DIVERTING TRAFFIC TO ONE LANE ARE SUBJECT TO TIME RESTRICTIONS AND/OR NIGHT TIME OPERATIONS AS SPECIFIED IN ROAD OCCUPANCY PERMIT. THROUGH LANES MUST BE MINIMUM 3.5m, UNLESS OTHERWISE APPROVED.
- FOR TEMPORARY DELINEATION OF TRAFFIC IN OPPOSITE DIRECTIONS A YELLOW CENTRE LINE ON PAVEMENT MUST BE PAINTED. TRAFFIC CONTROL BARRELS (CONES) ARE NOT PERMITTED FOR THIS USE ON REGIONAL ROADS.
- NEW JERSEY BARRIERS (NJB) WITH CRASH ATTENUATION DEVICES MUST BE USED ON LONG TERM PROJECTS AS OPPOSED TO TRAFFIC CONTROL BELINEATORS (BARRELS).
- ACCESS TO EXISTING ENTRANCES AND SIDE STREETS, INCLUDING PEDESTRIAN ACCESS, SHALL BE MAINTAINED. ACCESS REQUIREMENTS MUST COMPLY WITH REGION OF PEEL CONTROLLED ACCESS BY-LAW.
- LOCATION OF EXISTING UTILITIES TO BE ESTABLISHED BY THE CONTRACTOR. ALL EXISTING UTILITY ELEVATIONS (SANITARY AND WATERMAIN) INCLUDING CENTRE LINE OF THE ROAD ELEVATIONS HAVE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCING ANY WORK ON SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE REGION IMMEDIATELY.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATING, SUPPORTING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK, WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITY AUTHORITY PRIOR TO CROSSING SUCH UTILITIES FOR THE PURPOSE OF INSPECTION. THIS INSPECTION WILL BE FOR THE DURATION OF CONSTRUCTION WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTIONS.
- ALL ROAD BASE SHALL BE AS PER REGION OF PEEL STD. DWG. 5-1-1 AND 5-1-2.
- ASPHALT PRESERVATIVE SEALER SUCH AS RE-CLIMATE OR APPROVED EQUIVALENT SHALL BE APPLIED AFTER THE ONE-YEAR MAINTENANCE PERIOD FOR THE TOP COURSE ASPHALT.
- ALL EXISTING PAVEMENTS, CURBS, SIDEWALKS AND BOULEVARDS, AND OTHER AREAS DISTURBED BY THE WORK, TO BE REINSTATED EQUAL TO EXISTING AND TO THE SATISFACTION OF APPLICABLE AUTHORITY HAVING JURISDICTION OVER THE ROAD ALLOWANCE. EXISTING PAVEMENT AND CURBS TO BE SAW-CUT TO PROVIDE A SMOOTH JOINT.
- EROSION CONTROL MEASURES TO BE IMPLEMENTED AS REQUIRED.
- FOR ROAD PROJECTS THAT WILL NOT BE COMPLETED PRIOR TO THE END OF THE CONSTRUCTION SEASON, THE FOLLOWING WILL NEED TO BE CONSIDERED IN ORDER TO WINTERIZE THE CONSTRUCTION PROJECT TO ENSURE SAFE CONDITIONS DURING WINTER:
 - WHERE APPLICABLE, CURB AND GUTTER SECTIONS ARE TO BE COMPLETED, THE BASE COURSE ASPHALT SHALL BE IN PLACE
 - CATCH BASINS AND MAINTENANCE HOLES SET TO EXISTING BASE GRADE
 - STEEL PLATING NOT PERMITTED
 - HOT MIX ASPHALT (HMA) ONLY
 - LANE DELINEATION AND PAVEMENT MARKING COMPLETED
 - WHERE NEW JERSEY BARRIERS USED, OFFSET NO LESS THAN 4.25m FROM EDGE OF TRAVELLED LANE
 - ROAD AND BOULEVARD MUST BE FREE OF OBSTRUCTIONS AND ACCOMMODATE SAFE SNOW PLOW OPERATION CONSIDERING THAT A WING AND PLOW IS 6m WIDE AND 1.52m SNOW STORAGE MINIMUM REQUIRED
 - ALL CATCH BASIN GRATES SHALL BE SIDE INLET, OPSD 400.081 (LATEST VERSION) UNLESS OTHERWISE NOTED
- WINTER SHUT-DOWN MEETINGS WITH THE REGION OF PEEL ROAD MAINTENANCE STAFF ARE REQUIRED PRIOR TO SEASONAL SHUT-DOWN AND SHALL BE ORGANIZED BY THE CONSULTANT OR PROJECT MANAGER OR DESIGNATE.

REVISIONS		
DATE	DETAILS	INIT
2024-09-16	ISSUED FOR 30% SUBMISSION	N.L.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.

SCHAEFFERS
CONSULTING ENGINEERS

6 Ramsse Drive, Concord,
Ontario L4K 4K3
Tel: (905) 738-6100
Fax: (905) 738-6875
E-mail:
design@schaeffers.com

SCHAEFFER & ASSOCIATES LTD.

Designed by _____

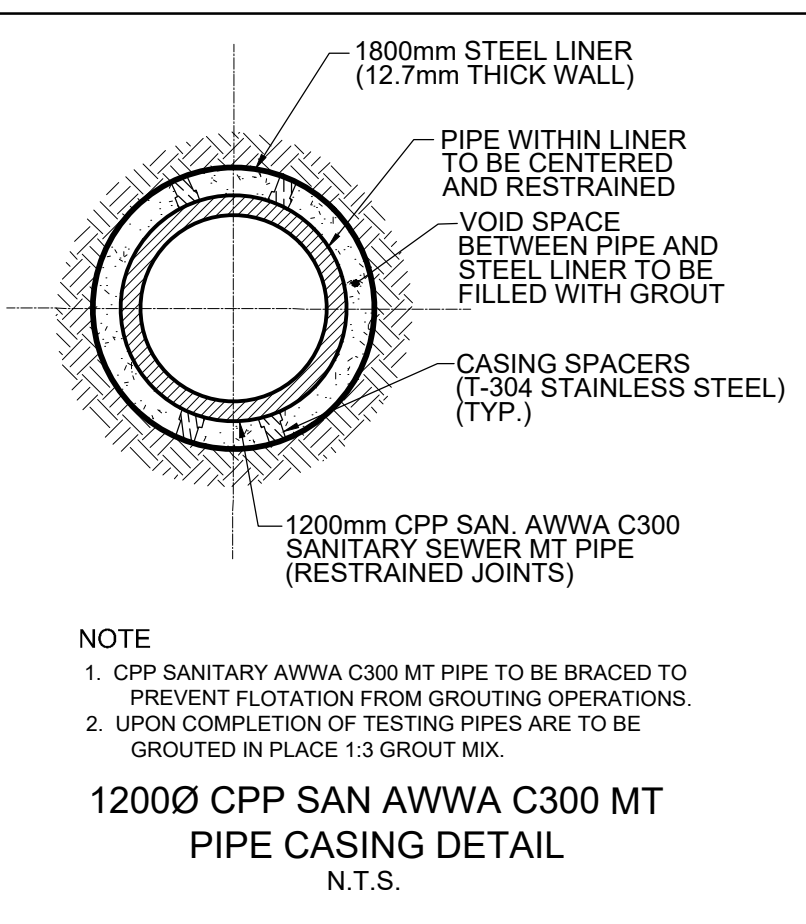
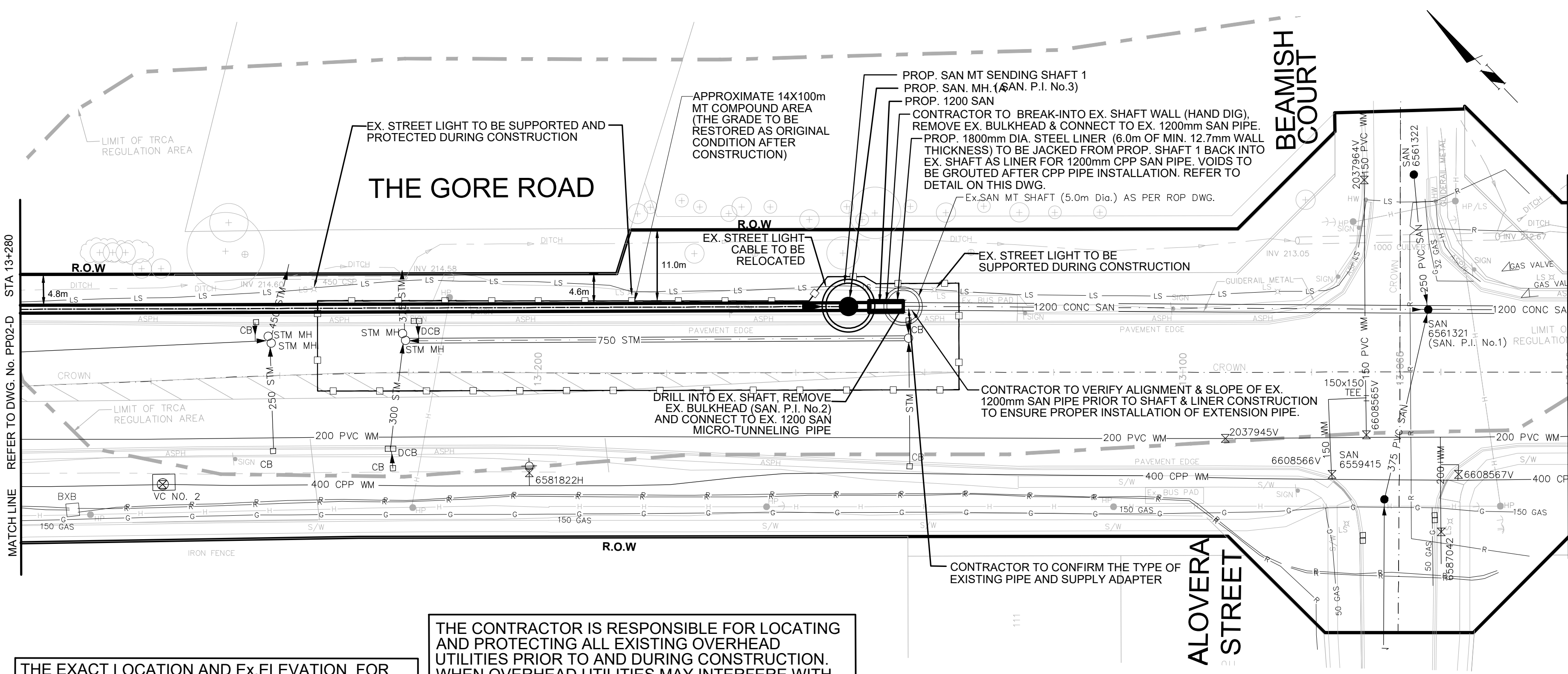
Approved by _____

Chkd _____



THE GORE ROAD
GENERAL NOTES

CAD Area	X-XX	Area	X-XX	Project No.	242273/ 242274/ 241193
Checked by	C.Z.	Drawn by	Z.W.	Plan No.	GN1-D
Date	DEC 2024	Sheet	3 of 73		



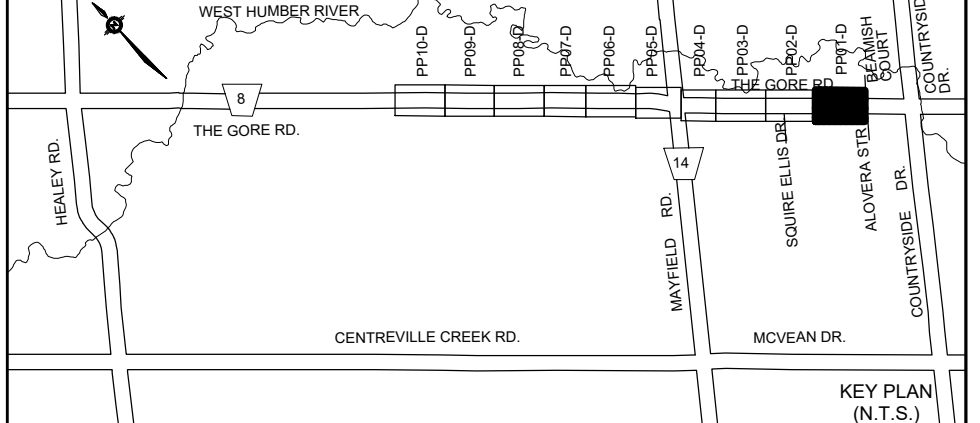
THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

THE COMPOUND AREA DETAIL SEE DWG. CMPD1-D

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD S-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

LEGEND:

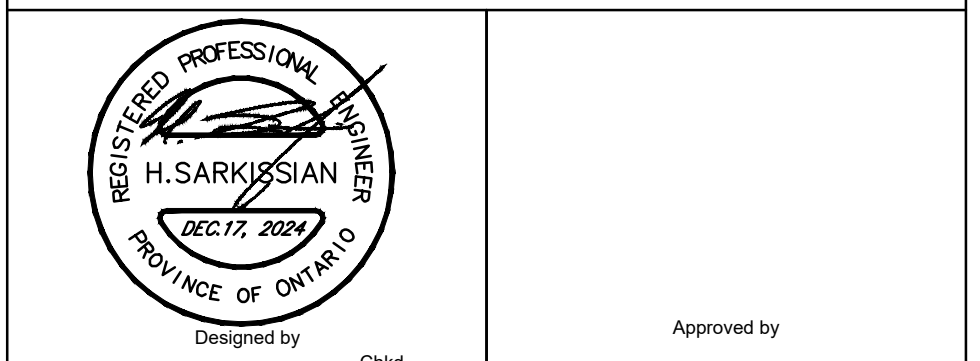
	— R —	DENOTES EXISTING ROGERS
	— B —	DENOTES EXISTING BELL
	— G —	DENOTES EXISTING GAS MAIN
	— H —	DENOTES EXISTING OVERHEAD CABLES
	— LS —	DENOTES EXISTING STREET LIGHT CABLE
		DENOTES COMPOUND AREA
		DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

General Notes

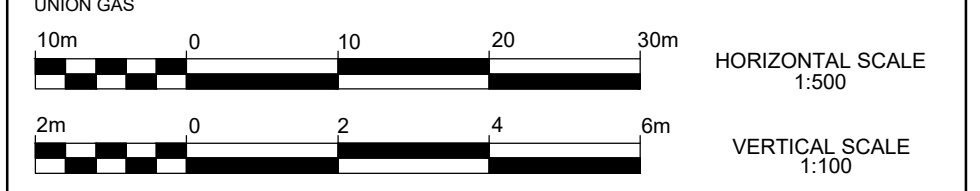
All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Agency: B.M. No. 44
 Elev. 227 680 (Geodetic)
 Coordinate System: UTM NAD83 (Original)



NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBEROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	UNION GAS

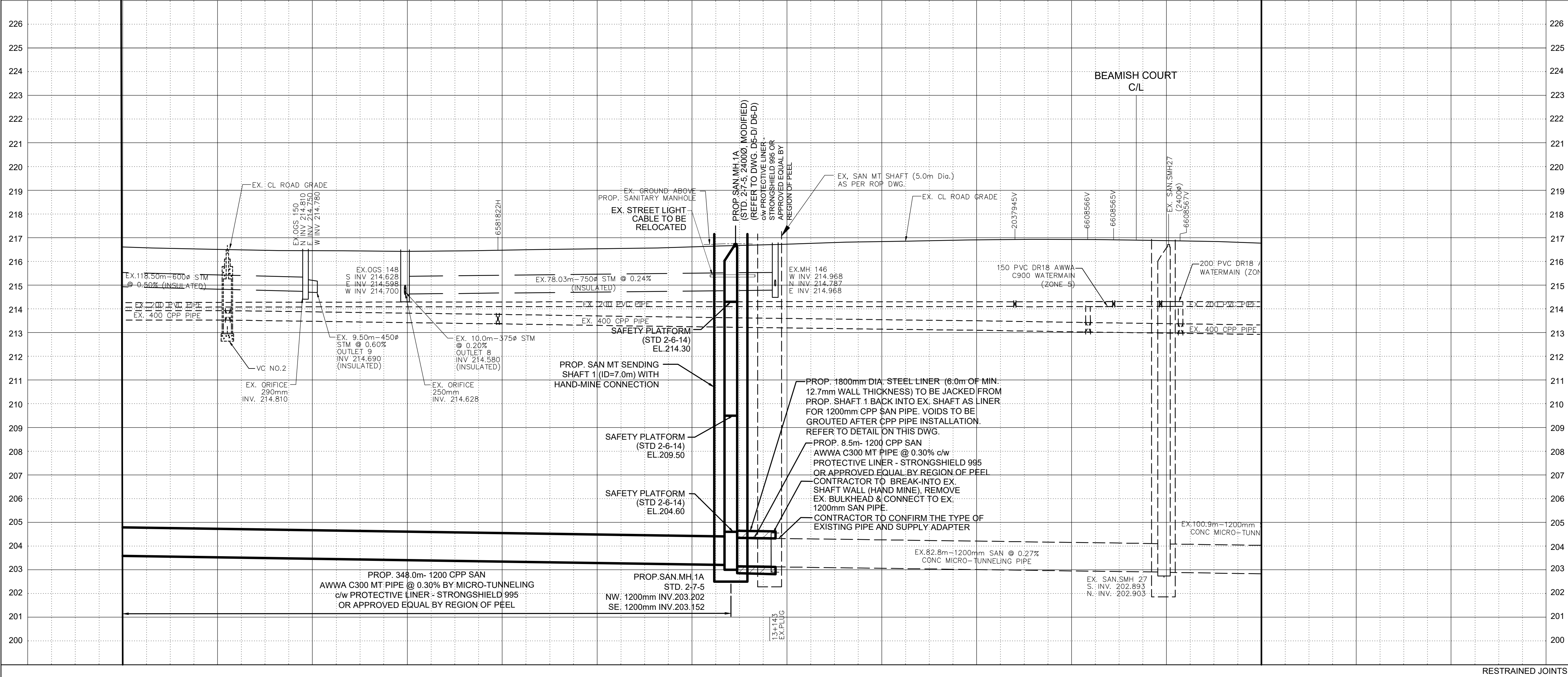


SCHAEFFERS
 CONSULTING ENGINEERS

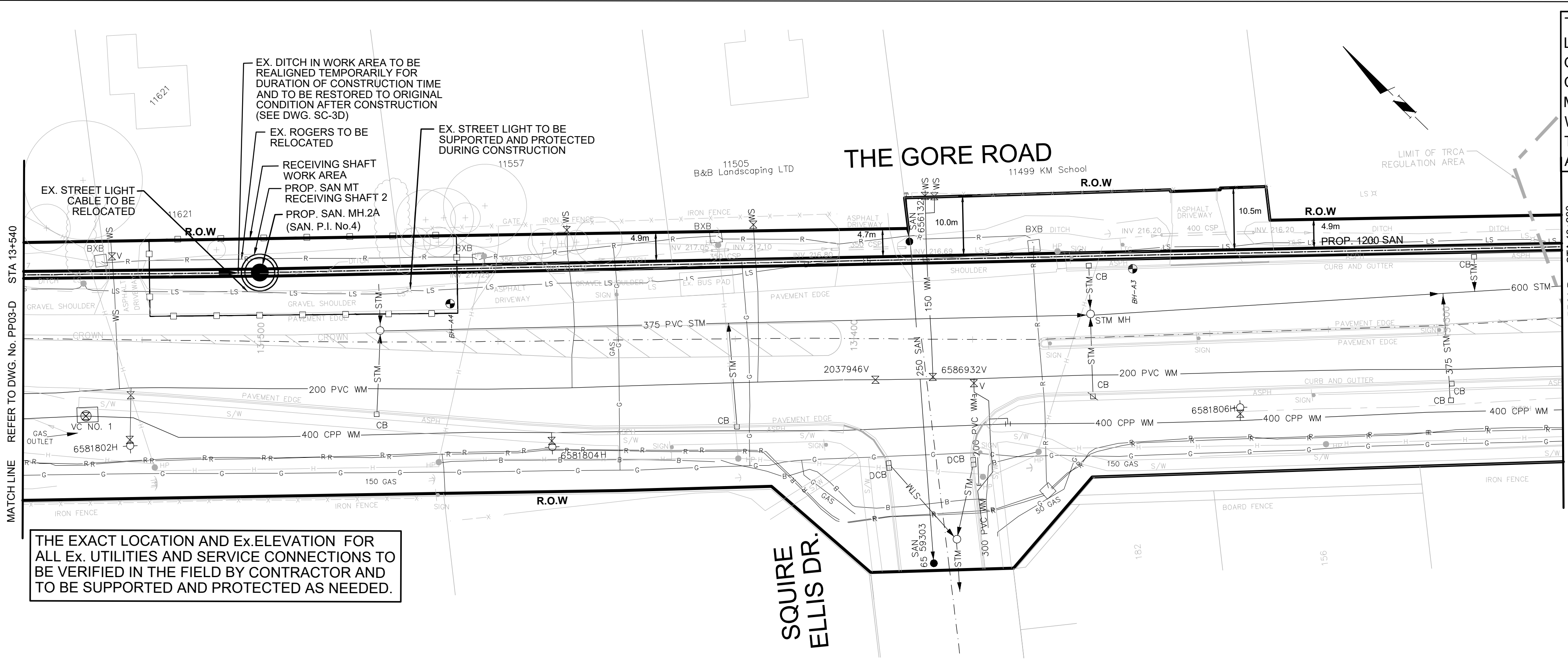
6 Bonrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

THE GORE ROAD
 (FROM COUNTRYSIDE DRIVE TO MAYFIELD ROAD)
 PROP. 1200mm SANITARY SEWER
 STA. 13+065 TO STA. 13+280



STA.	216.61	216.51	216.45	216.43	216.48	216.54	216.62	216.73	216.84	216.91	216.93	216.87	216.77
BOT. EL. OF WM.													
EX. ROAD ELEV.													
ROAD CHAINAGE	13+280	13+260	13+240	13+220	13+200	13+180	13+160	13+140	13+120	13+100	13+080	13+060	13+040

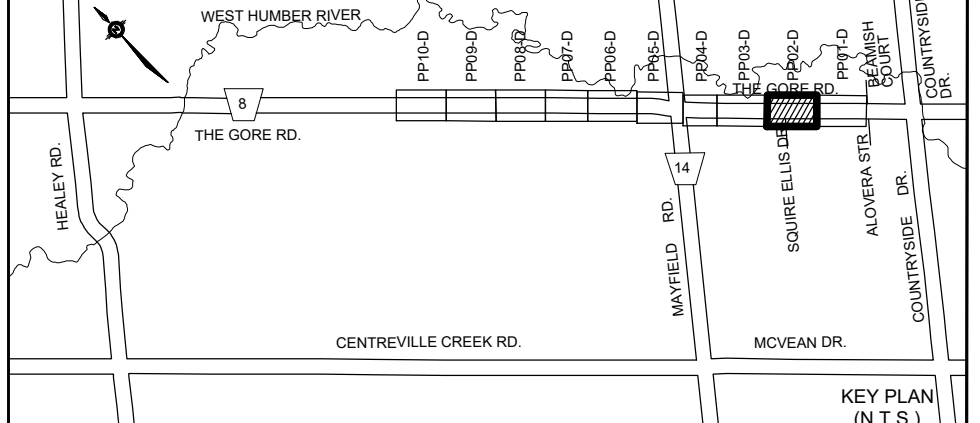


THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

THE COMPOUND AREA DETAIL SEE DWG. CMPD2-D

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES LOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TCI-D TO TCC-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD S-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

LEGEND:

- R— DENOTES EXISTING ROGERS
- B— DENOTES EXISTING BELL
- G— DENOTES EXISTING GAS MAIN
- H— DENOTES EXISTING OVERHEAD CABLES
- LS— DENOTES EXISTING STREET LIGHT CABLE
- DENOTES COMPOUND AREA
- ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters(m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees
 Agency: B.M. No. 44
 Elev. 227.660 (Geodetic)
 Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.



NOTICE TO CONTRACTOR

48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

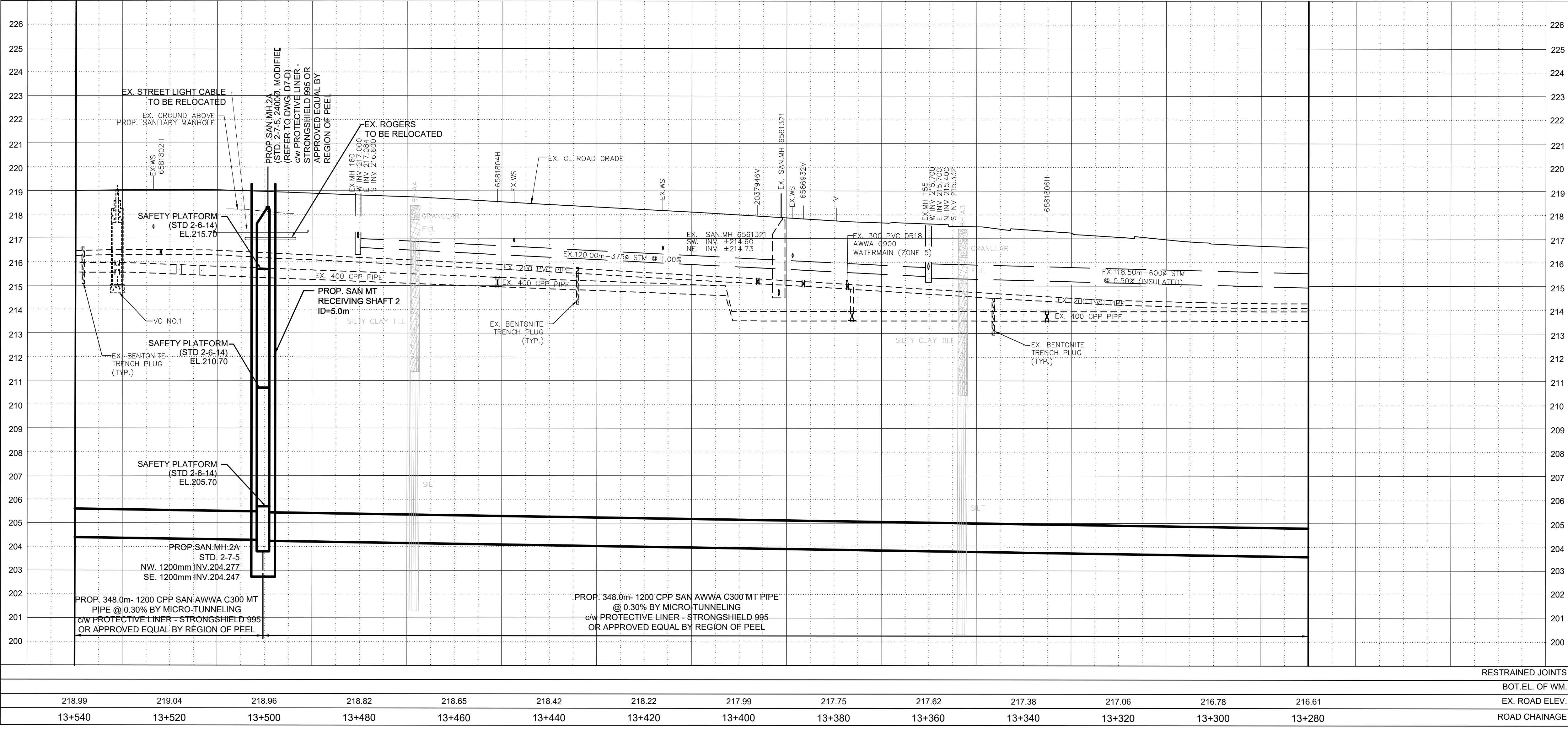
THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBEROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/80 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	



SCHAEFFERS
CONSULTING ENGINEERS
6 Romrose Drive, Concord, Ontario L4K 4K3
Tel: (905) 738-6100
Fax: (905) 738-6875
E-mail: design@schaeffers.com

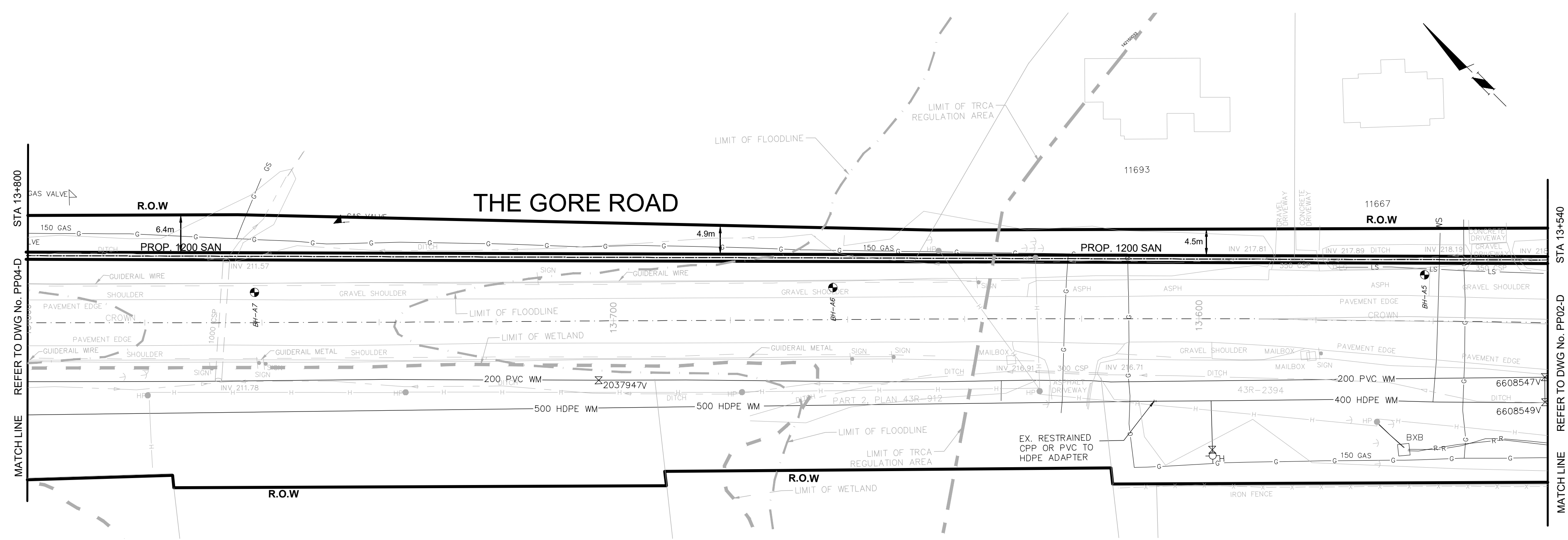


THE GORE ROAD
(FROM COUNTRYSIDE DRIVE TO MAYFIELD ROAD)
PROP. 1200mm SANITARY SEWER
STA. 13+280 TO STA. 13+540



RESTRAINED JOINTS

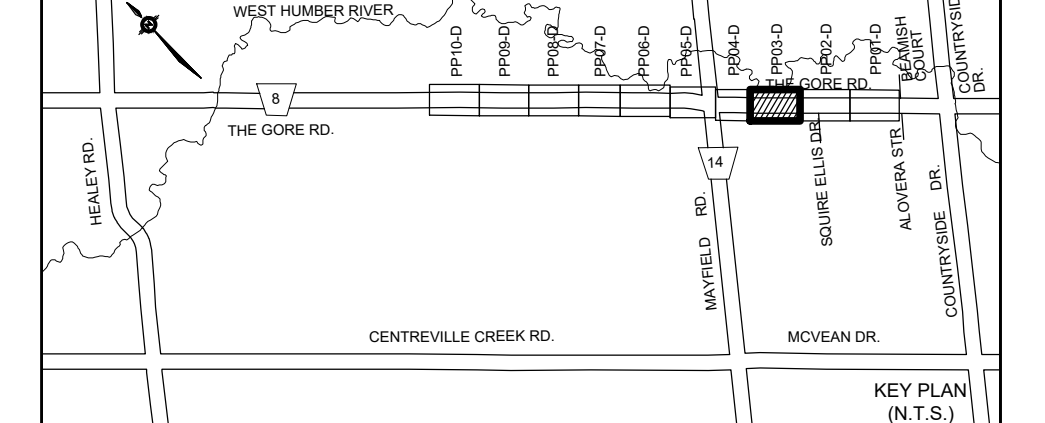
BOT. EL. OF WM.		EX. ROAD ELEV.		ROAD CHAINAGE	
218.99	219.04	218.96	218.82	218.65	218.42
217.99	217.75	217.62	217.38	217.06	216.81
13+540	13+520	13+500	13+480	13+460	13+440



THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

LEGEND:

- R — DENOTES EXISTING ROGERS
- B — DENOTES EXISTING BELL
- G — DENOTES EXISTING GAS MAIN
- H — DENOTES EXISTING OVERHEAD CABLES
- LS — DENOTES EXISTING STREET LIGHT CABLE
- DENOTES COMPOUND AREA
- ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.680 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

DESIGNED BY: H. SARKISSIAN
 DEC 17, 2024
 PROVINCE OF ONTARIO
 Registered Professional Engineer

Approved by: _____
 Chkd. _____

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBEROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

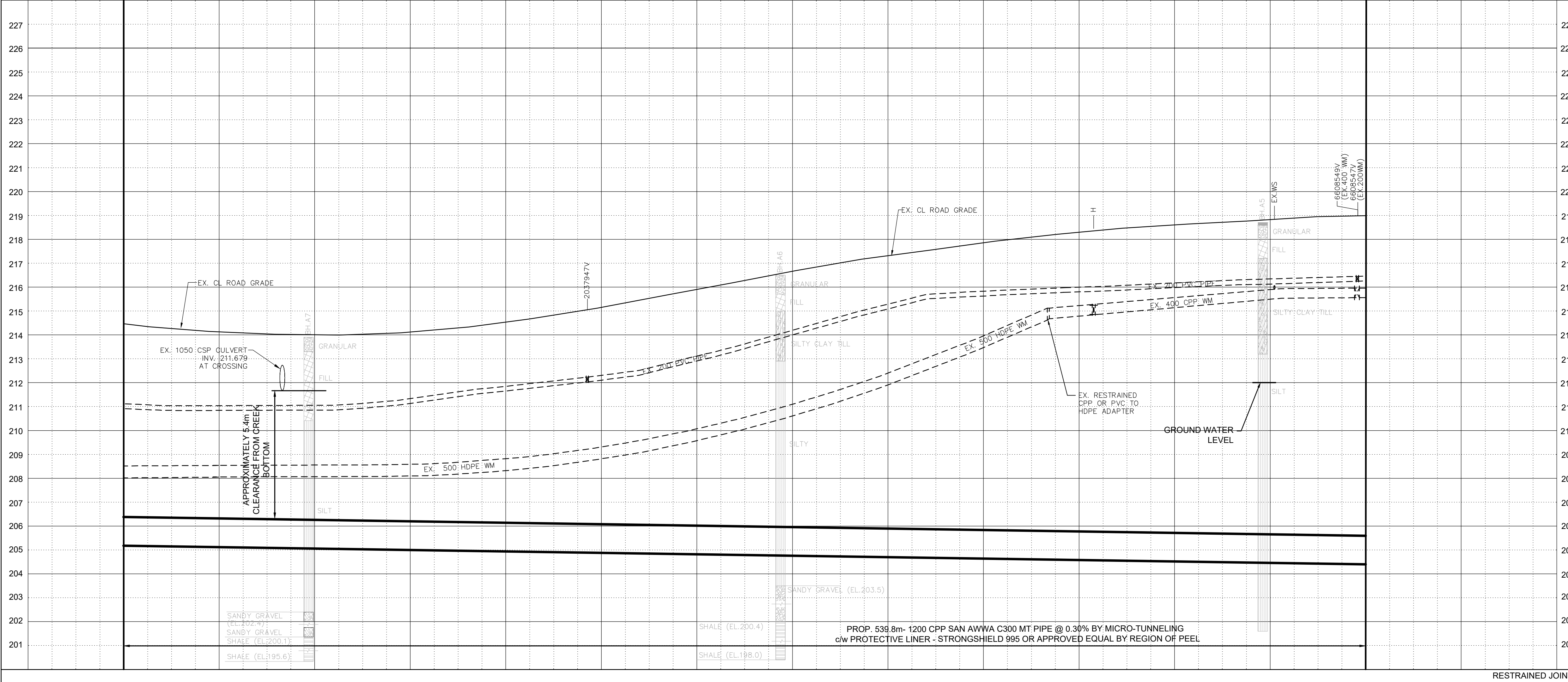
HORIZONTAL SCALE 1:500
 VERTICAL SCALE 1:100

SCHAEFFERS
 CONSULTING ENGINEERS

6 Romrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

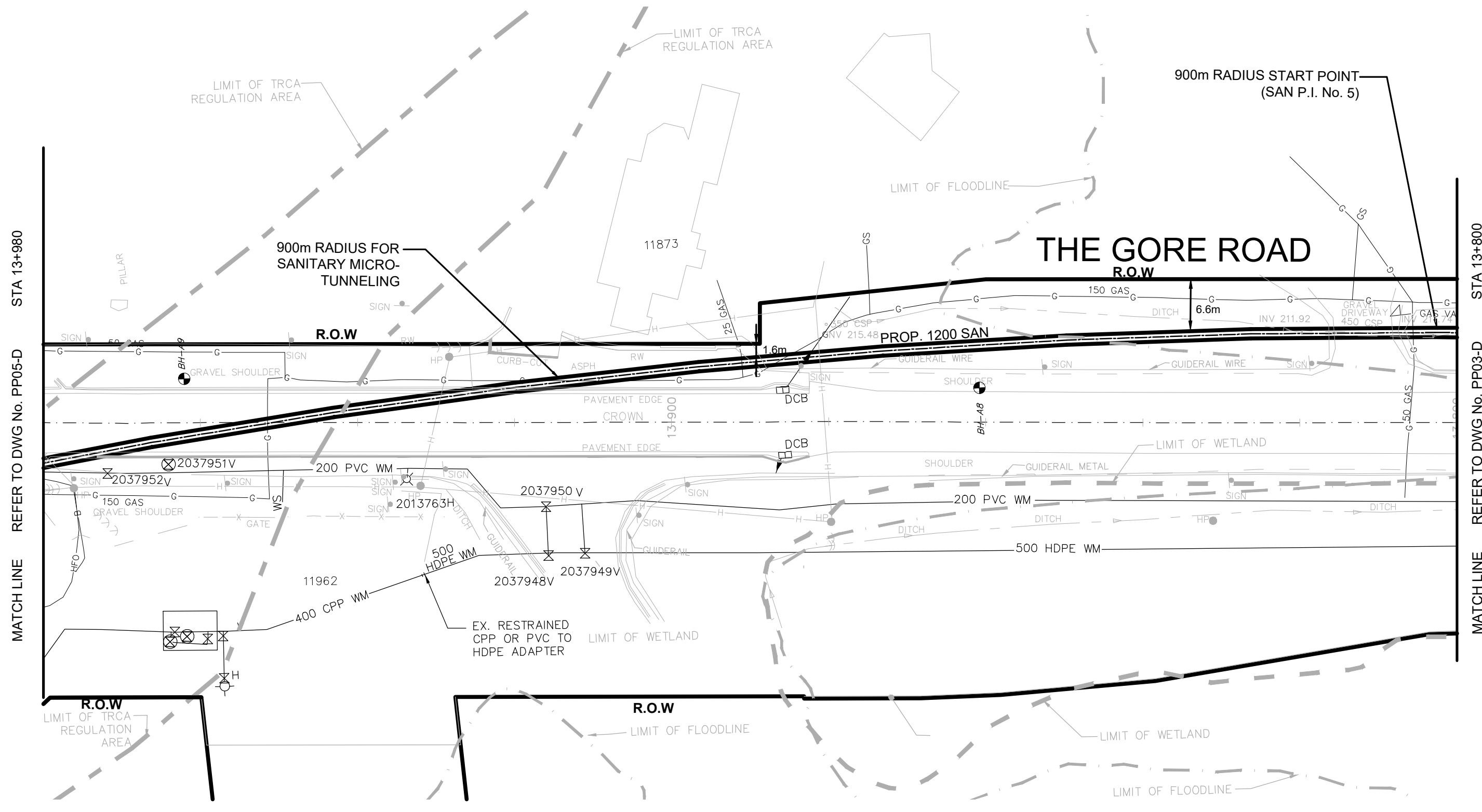


THE GORE ROAD
 (FROM COUNTRYSIDE DRIVE TO MAYFIELD ROAD)
 PROP. 1200mm SANITARY SEWER
 STA. 13+540 TO STA. 13+800



RESTRAINED JOINTS													
BOT. EL. OF WM		EX. ROAD ELEV.		ROAD CHAINAGE		CAD Area		X-XX		Area		X-XX	
214.47	214.13	214.01	214.12	214.54	215.15	215.90	216.66	217.32	217.85	218.30	218.60	218.82	218.99
13+800	13+780	13+760	13+740	13+720	13+700	13+680	13+660	13+640	13+620	13+600	13+580	13+560	13+540

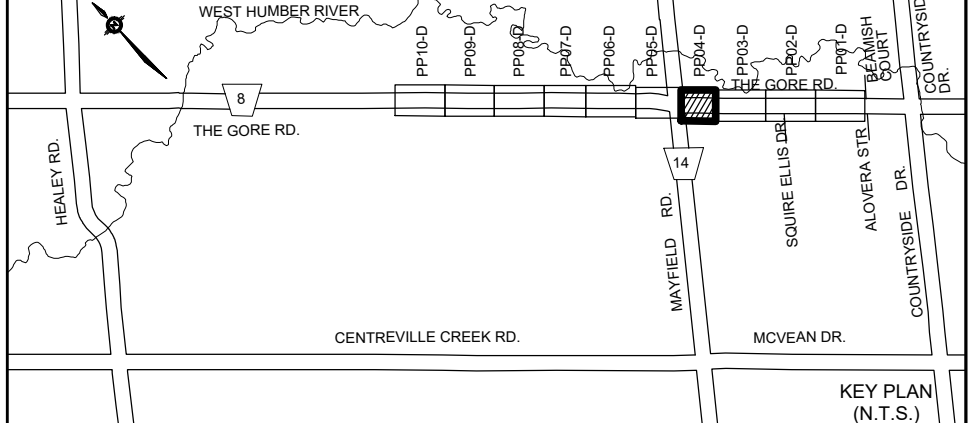
Checked by: N.L.	Drawn by: A.L.	Project No: 24-2273/ 24-2274/ 24-1193
Date: DEC 2024	Sheet: 15 of 73	Plan No: PP03-D



THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATE TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

LEGEND:

	DENOTES EXISTING ROGERS
	DENOTES EXISTING BELL
	DENOTES EXISTING GAS MAIN
	DENOTES EXISTING OVERHEAD CABLES
	DENOTES EXISTING STREET LIGHT CABLE
	DENOTES COMPOUND AREA
	DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

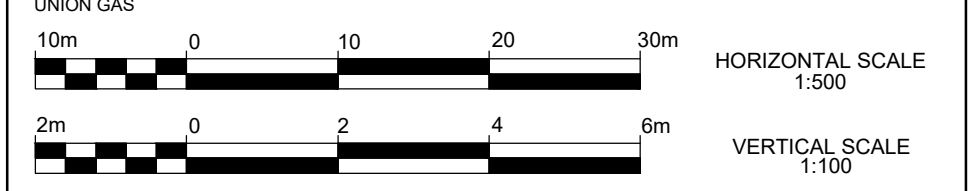
Agency: B.M. No. 44
 Elev. 227.650 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

DESIGNED BY:

Checked by: _____ Approved by: _____

- NOTICE TO CONTRACTOR**
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|---------------------------------------|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/360 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |

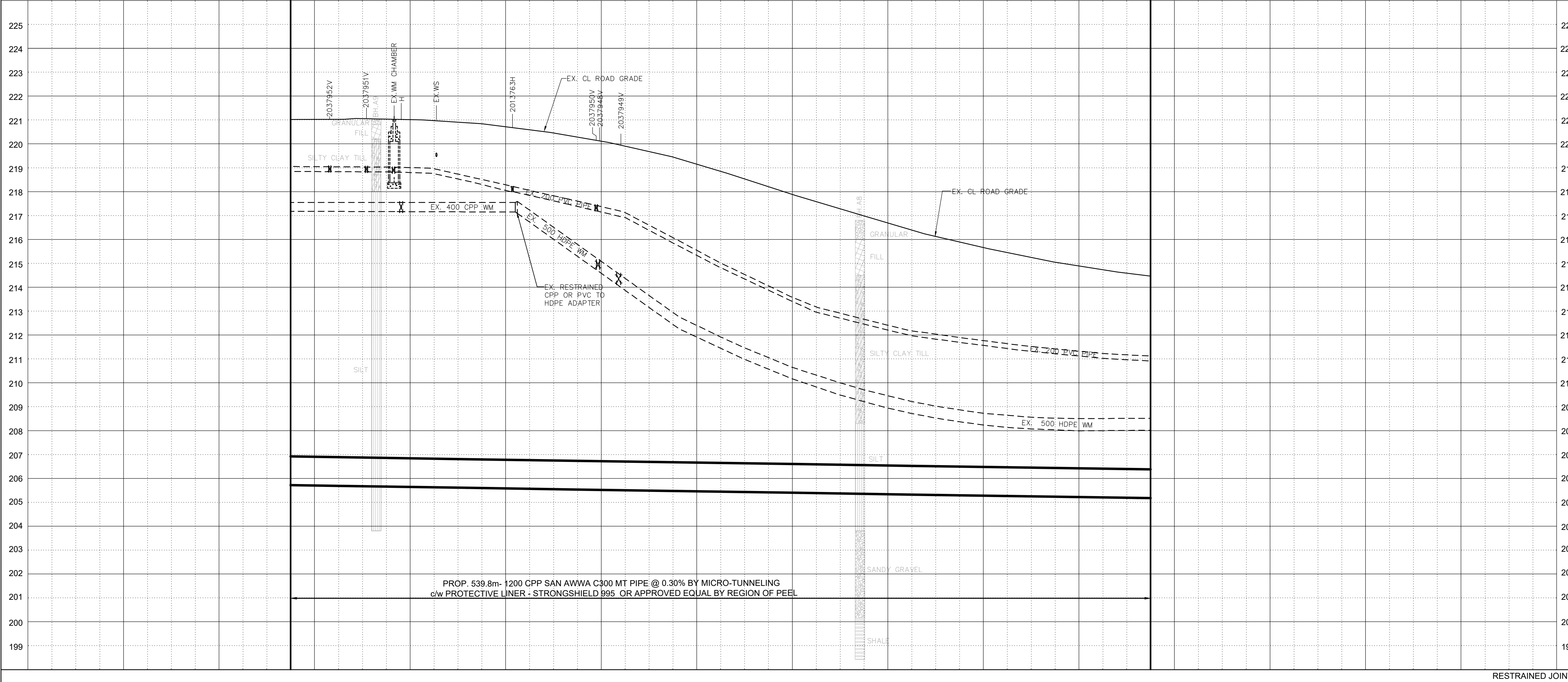


SCHAEFFERS
 CONSULTING ENGINEERS

6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

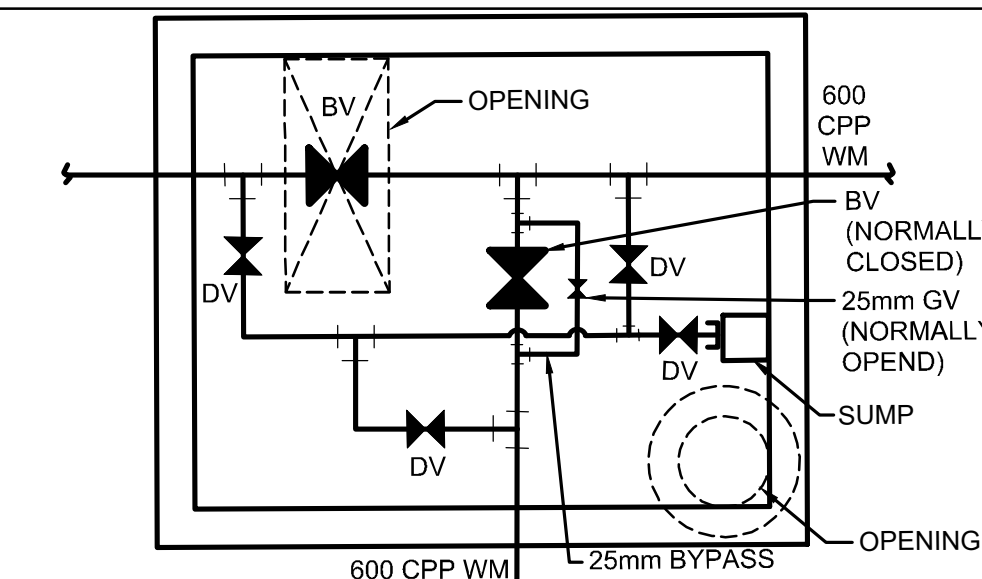
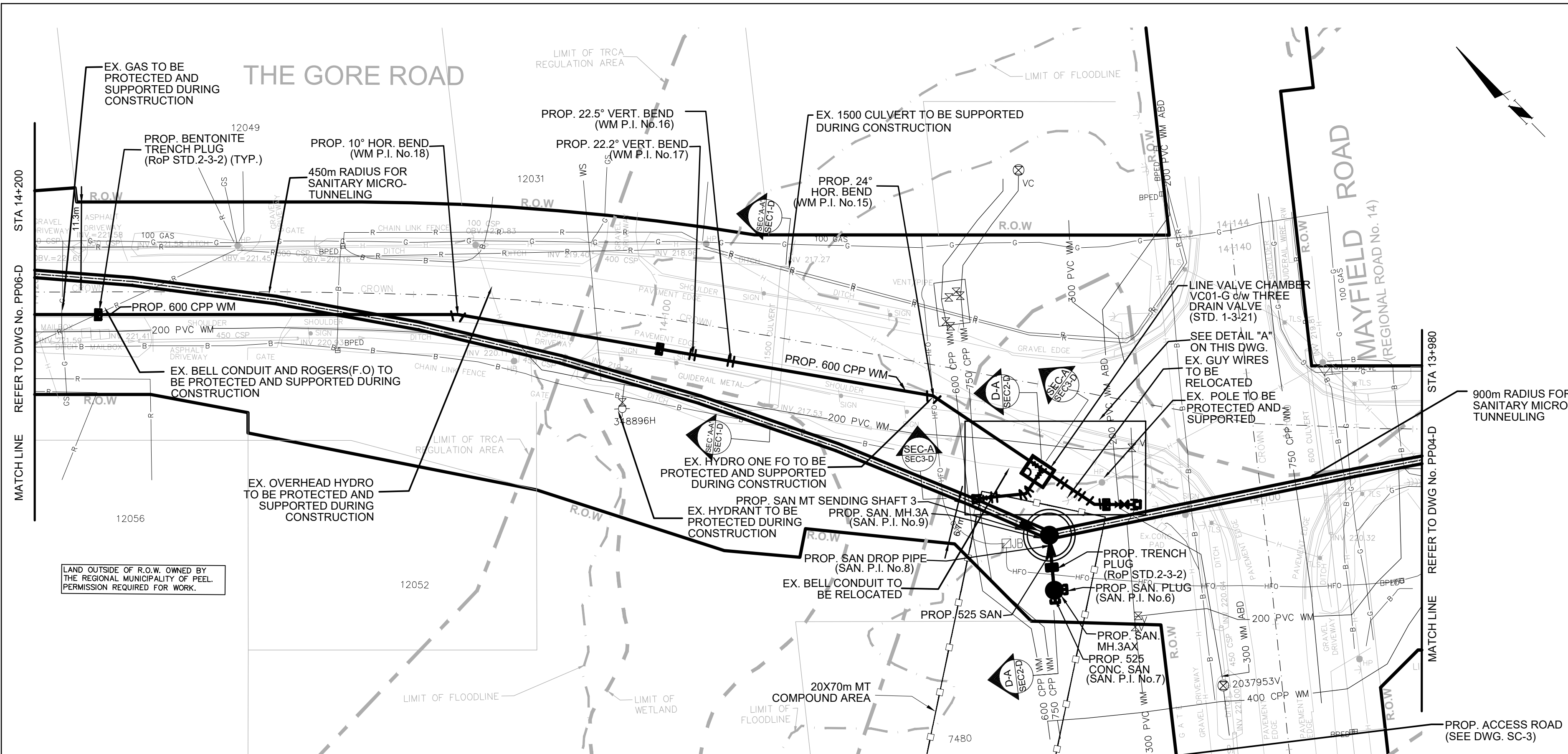


THE GORE ROAD
 (FROM COUNTRYSIDE DRIVE TO MAYFIELD ROAD)
 PROP. 1200mm SANITARY SEWER
 STA. 13+800 TO STA. 13+980



RESTRAINED JOINTS	BOT. EL. OF WM.	EX. ROAD ELEV.	ROAD CHAINAGE
221.02	221.03	220.85	220.29
219.45	218.21	216.99	215.90
215.05	214.47		
13+980	13+960	13+940	13+920
13+900	13+880	13+860	13+840
13+820	13+800		

CAD Area	X-XX	Area	X-XX	Project No.	24-2273/ 24-2274/ 24-1193
Checked by	N.L.	Drawn by	A.L.	Date	DEC 2024
Sheet	16 of 73	Plan No.	PP04-D		



SCHEMATIC OF LINE VALVE CHAMBER VC01-G
(c/w DRAIN VALVE)
(MODIFIED RoP Std. 1-3-21, 3.0x3.8m)

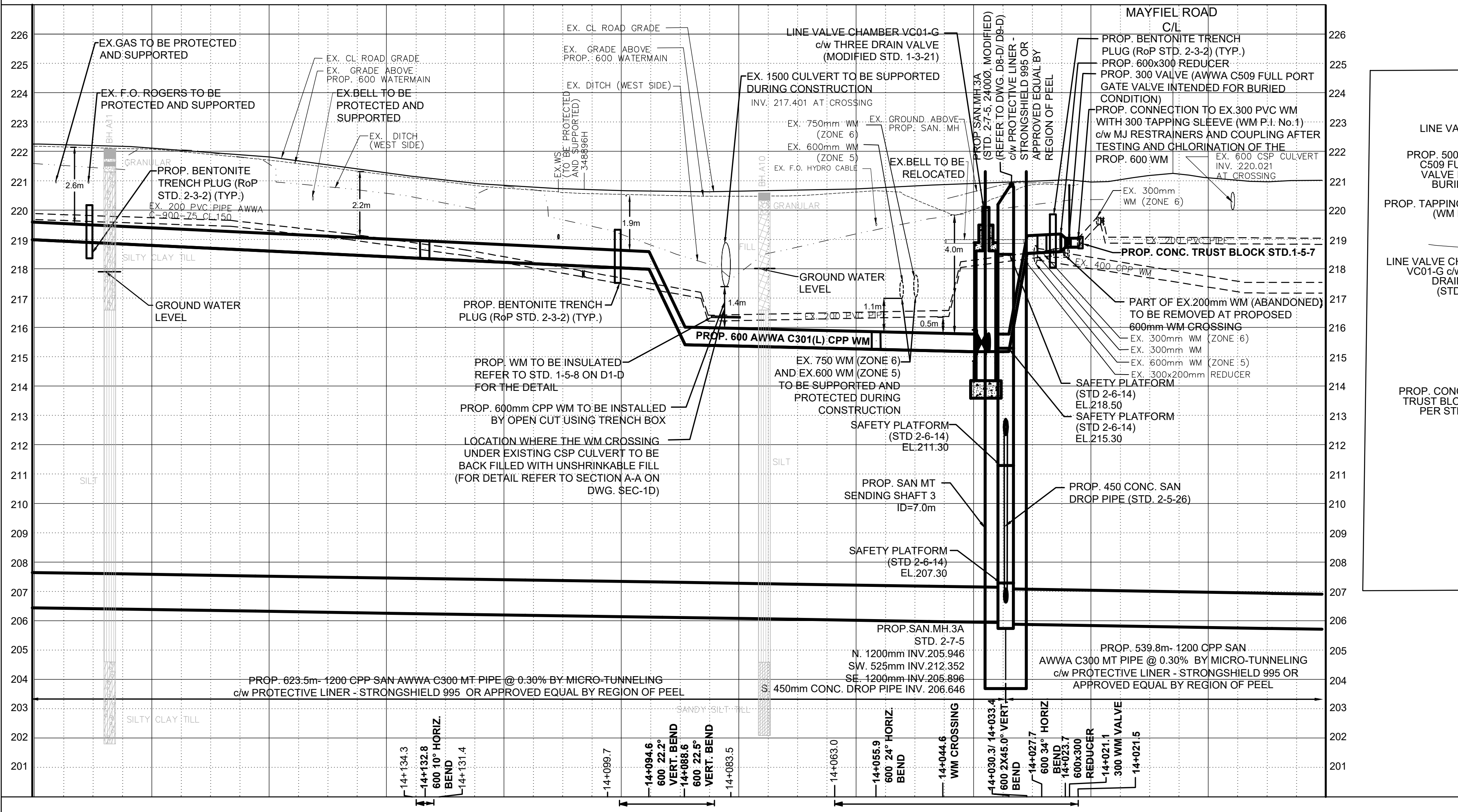
THE DETAIL SHOP DRAWINGS FOR MODIFIED RoP STD. 1-3-21 WILL BE PROVIDED BY OTHERS

PROP. 600 WATERMAIN TO BE CONSTRUCTED WITH VERTICAL TRENCH BOX

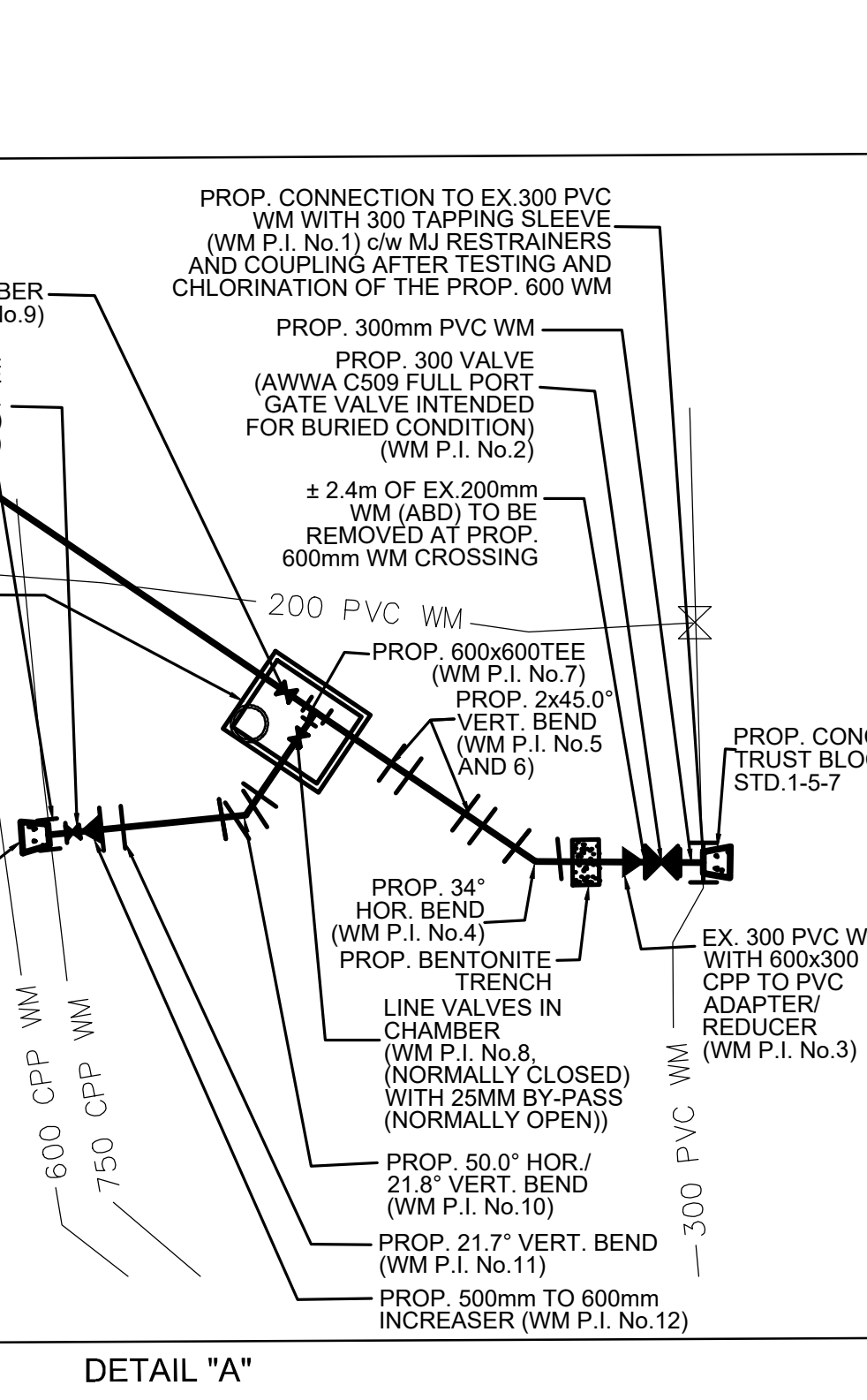
THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

THE COMPOUND AREA DETAIL SEE DWG. CMPD3-D



219.00	218.80	218.61	218.42	218.23	218.04	215.37	215.28	215.18	220.98	221.12	221.02
14+200	14+180	14+160	14+140	14+120	14+100	14+080	14+060	14+040	14+020	14+000	13+980



DETAIL "A"

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.

NOTES:

- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
- LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
- ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
- FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO T1-D TO T6-D.
- FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-28 ON DWG.D3-D.
- FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.
- FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM4-D.

LEGEND:

- R — DENOTES EXISTING ROGERS
- B — DENOTES EXISTING BELL
- G — DENOTES EXISTING GAS MAIN
- H — DENOTES EXISTING OVERHEAD CABLES
- LS — DENOTES EXISTING STREET LIGHT CABLE
- HFO — DENOTES EXISTING HYDRO FIBRE OPTIC
- DENOTES COMPOUND AREA
- ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.690 (Geodetic)
 Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only.
 To Be Verified In Field By Contractor.

Designed by: H. SARKISSIAN
 Approved by: [Signature]

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBRE OPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSM (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS
 CONSULTING ENGINEERS

6 Bonrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

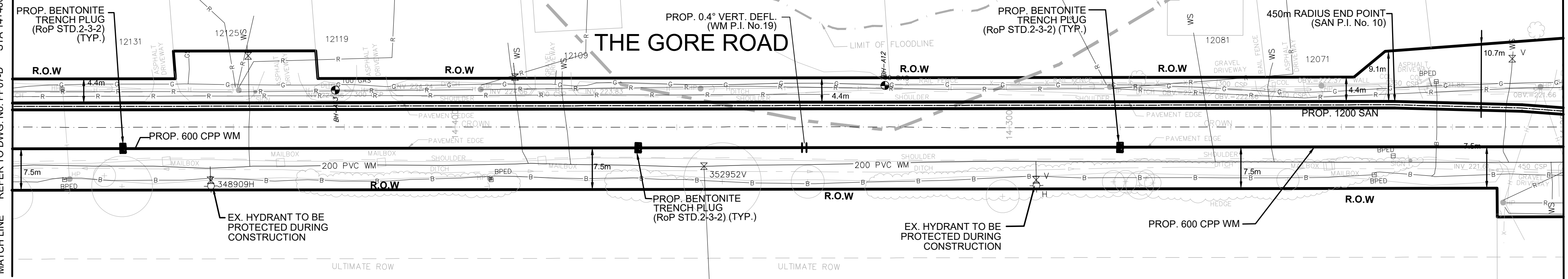
Region of Peel
 working with you

THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER
 PROP. 600mm WATERMAIN
 STA. 13+980 TO STA. 14+220

219.00	218.80	218.61	218.42	218.23	218.04	215.37	215.28	215.18	220.98	221.12	221.02
14+200	14+180	14+160	14+140	14+120	14+100	14+080	14+060	14+040	14+020	14+000	13+980

MATCH LINE REFER TO DWG. No. PP07-D STA 14+800

MATCH LINE REFER TO DWG. No. PP06-D STA 14+200

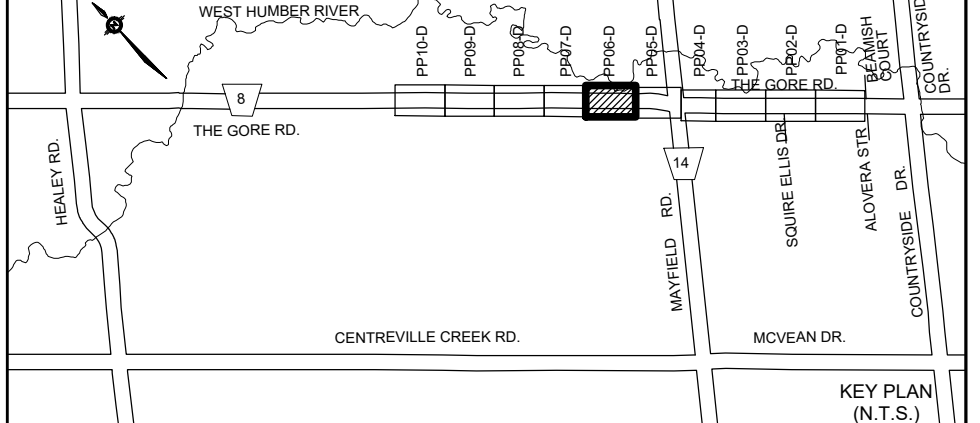


PROP. 600 WATERMAIN TO BE CONSTRUCTED WITH VERTICAL TRENCH BOX

THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMANS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

- LEGEND:**
- R — DENOTES EXISTING ROGERS
 - B — DENOTES EXISTING BELL
 - G — DENOTES EXISTING GAS MAIN
 - H — DENOTES EXISTING OVERHEAD CABLES
 - LS — DENOTES EXISTING STREET LIGHT CABLE
 - DENOTES COMPOUND AREA
 - ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

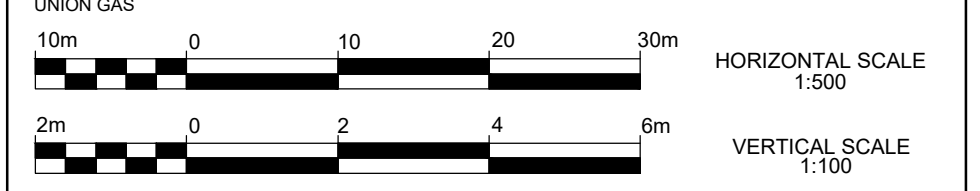
Agency: B.M. No. 44
 Elev. 227.690 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

DESIGNED BY: H. SARKISSIAN
 DEC 17, 2024
 PROVINCE OF ONTARIO
 Registered Professional Engineer

Approved by: _____
 Chkd.

- NOTICE TO CONTRACTOR**
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|--|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBEROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/360 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |

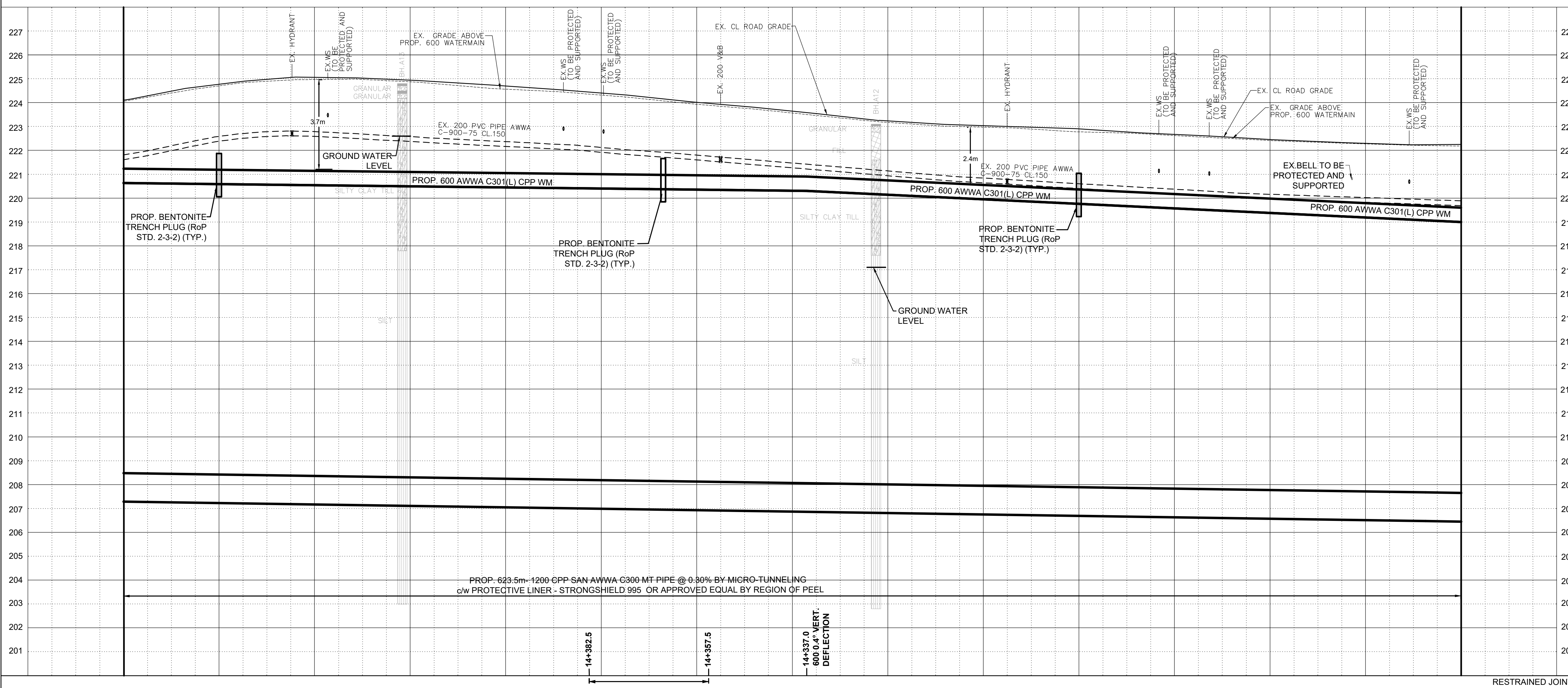


SCHAEFFERS
 CONSULTING ENGINEERS

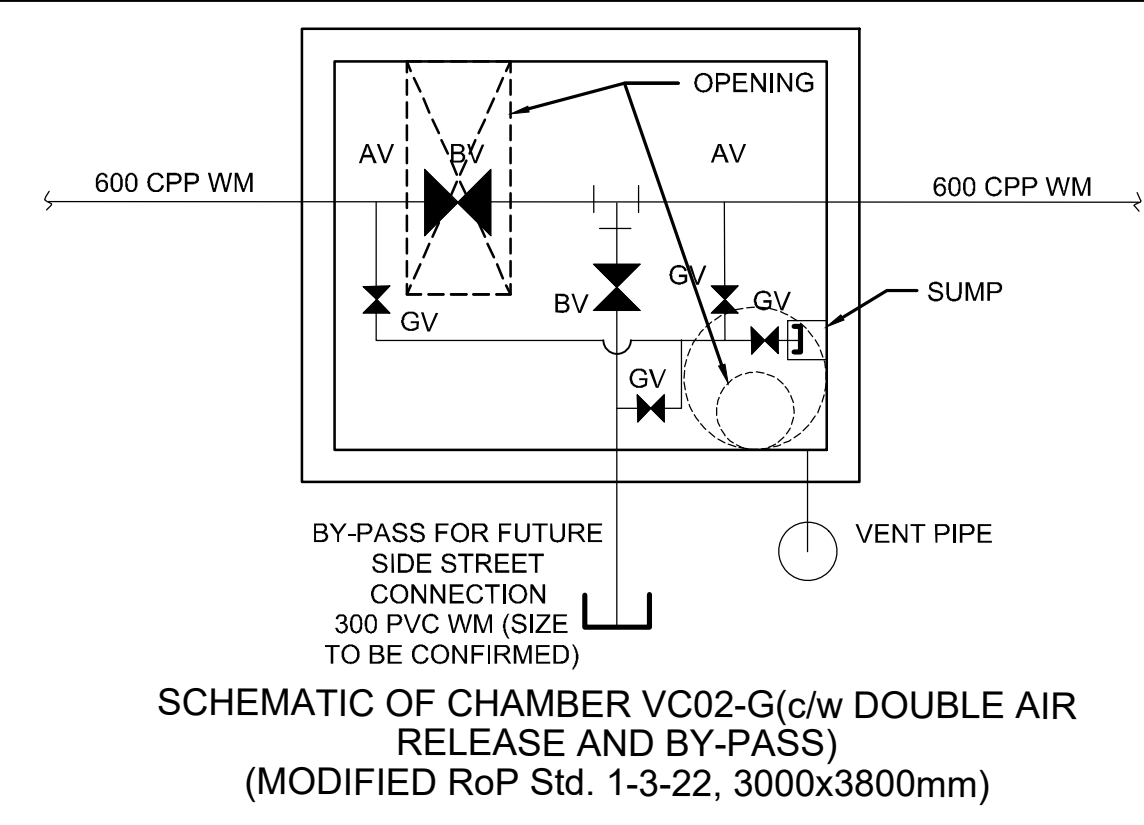
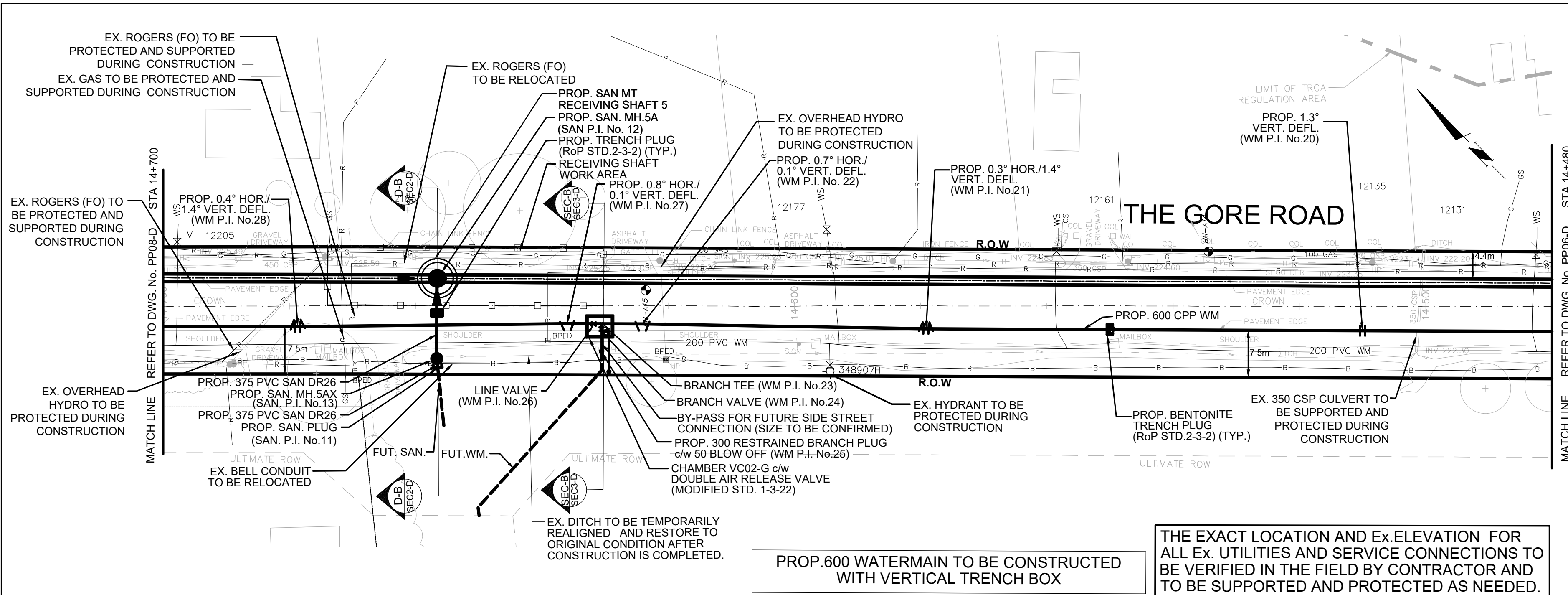
6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com



THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER
 PROP. 600mm WATERMAIN
 STA. 14+200 TO STA. 14+480



STA	220.64	220.59	220.54	220.50	220.45	220.40	220.36	220.31	220.14	219.95	219.76	219.57	219.38	219.19	219.00	BOT. EL. OF WM.
ROAD CHAINAGE	14+480	14+460	14+440	14+420	14+400	14+380	14+360	14+340	14+320	14+300	14+280	14+260	14+240	14+220	14+200	EX. ROAD ELEV.
ROAD CHAINAGE	220.64	220.59	220.54	220.50	220.45	220.40	220.36	220.31	220.14	219.95	219.76	219.57	219.38	219.19	219.00	ROAD CHAINAGE



THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

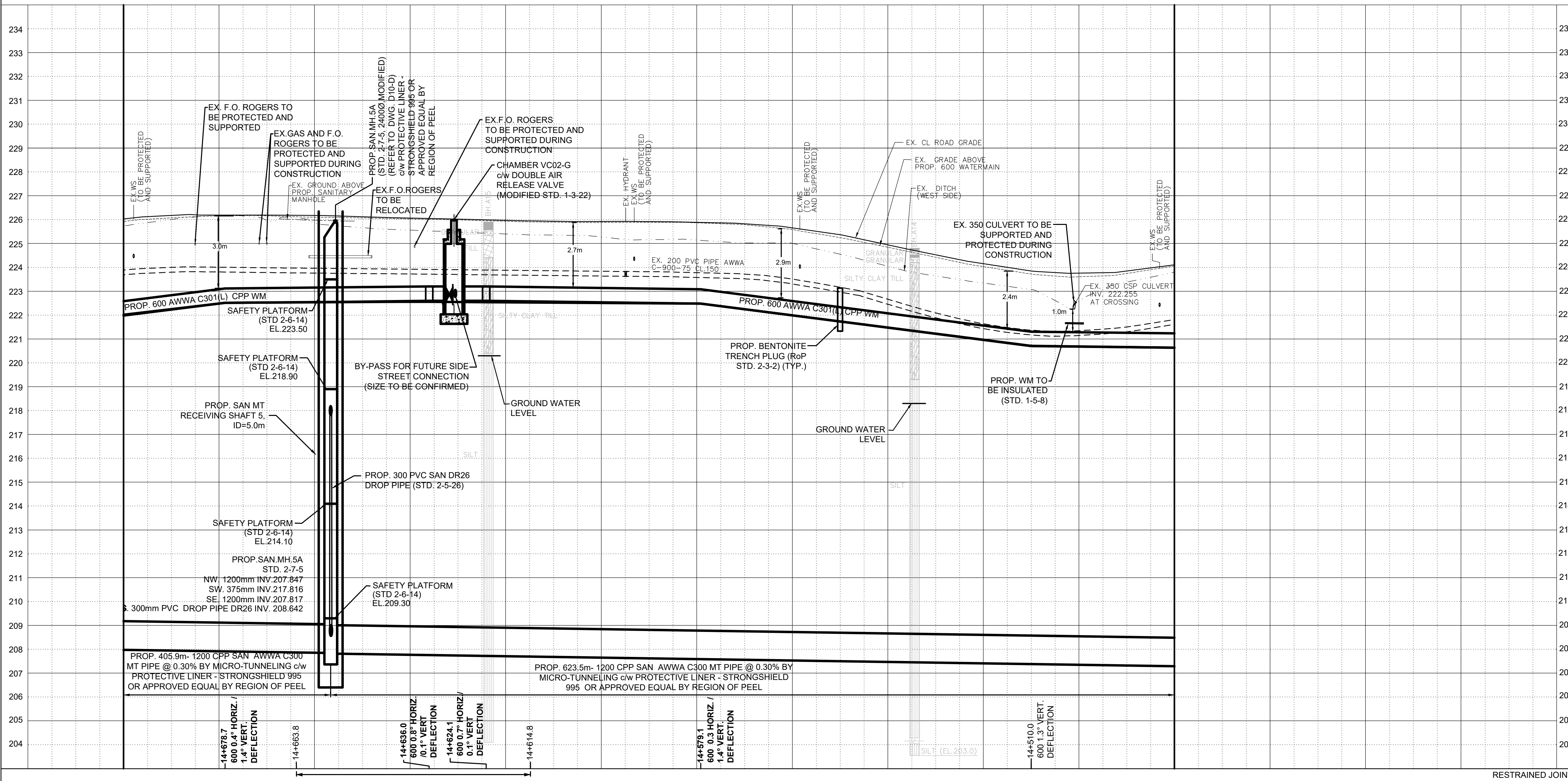
THE COMPOUND AREA DETAIL SEE DWG. CMPD4-D

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.

NOTES:

- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
- LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
- ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
- FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TCI-1 TO TCI-6.
- FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
- FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.
- FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM4-D.



LEGEND:

- R— DENOTES EXISTING ROGERS
- B— DENOTES EXISTING BELL
- G— DENOTES EXISTING GAS MAIN
- H— DENOTES EXISTING OVERHEAD CABLES
- LS— DENOTES EXISTING STREET LIGHT CABLE
- DENOTES EXISTING AREA
- ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.680 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Designed by: H. SARKISSIAN
 Dec 17, 2024
 PROVINCE OF ONTARIO

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ONTRIO MINISTRY OF TRANSPORTATION	ROGERS CABLE
ONTARIO CLEAN WATER AGENCY	ALLSTREAM (ZAYO)
HYDRO ONE NETWORKS	PSN (PUBLIC SECTOR NETWORK)
ALECTRA UTILITIES	FUTUREWAY (FCI BROADBAND)
TRANS NORTHERN PIPELINE	GT FIBER/360 NETWORK INC.
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	TELUS COMMUNICATION
UNION GAS	

10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS
 CONSULTING ENGINEERS

6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

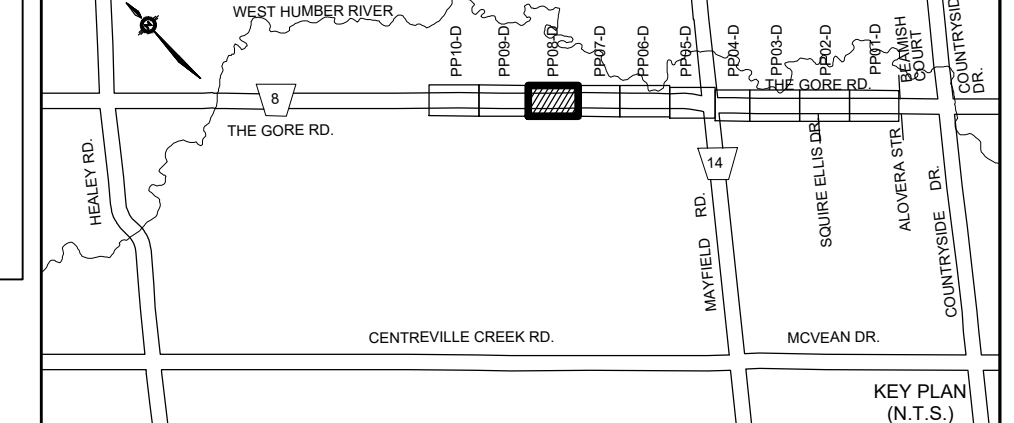
THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER
 PROP. 600mm WATERMAIN
 STA. 14+480 TO STA. 14+700

STATION	222.02	222.49	222.54	222.56	222.53	222.51	222.48	221.99	221.48	220.96	220.68	220.64
BOT. EL. OF WM.												
EX. ROAD ELEV.	226.03	226.19	226.18	226.07	225.97	225.92	225.89	225.66	224.95	224.16	223.76	224.11
ROAD CHAINAGE	14+700	14+680	14+660	14+640	14+620	14+600	14+580	14+560	14+540	14+520	14+500	14+480

CAD Area	L.S.	Area	C.Z.	Project No.	24-2273/ 24-2274/ 24-1193
Checked by	N.L.	Drawn by	A.L.	Date	DEC 2024
Sheet	19 of 73	Plan No.	PP07-D		

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMANS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-28 ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.

- LEGEND:**
- R — DENOTES EXISTING ROGERS
 - B — DENOTES EXISTING BELL
 - G — DENOTES EXISTING GAS MAIN
 - H — DENOTES EXISTING OVERHEAD CABLES
 - LS — DENOTES EXISTING STREET LIGHT CABLE
 - DENOTES COMPOUND AREA
 - ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY

General Notes

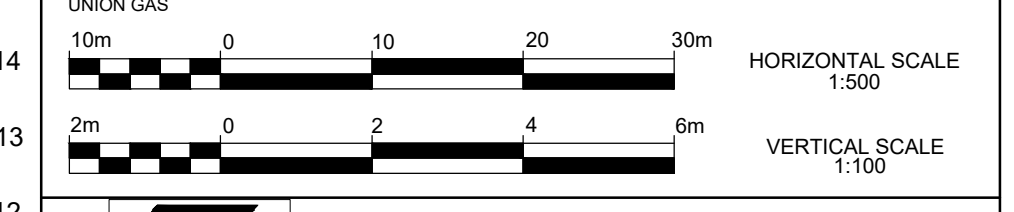
All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.690 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Designed by: Chkd.
 Approved by:

- NOTICE TO CONTRACTOR**
- 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|--|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBEROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/360 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |

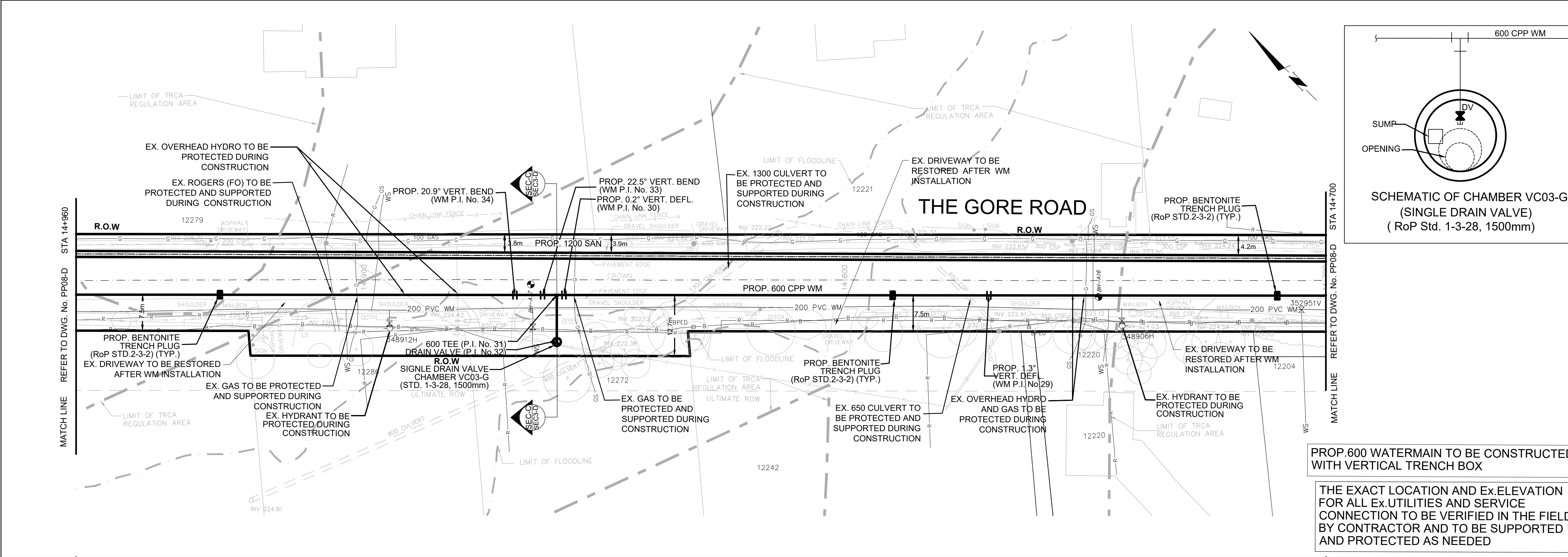


6 Romrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com



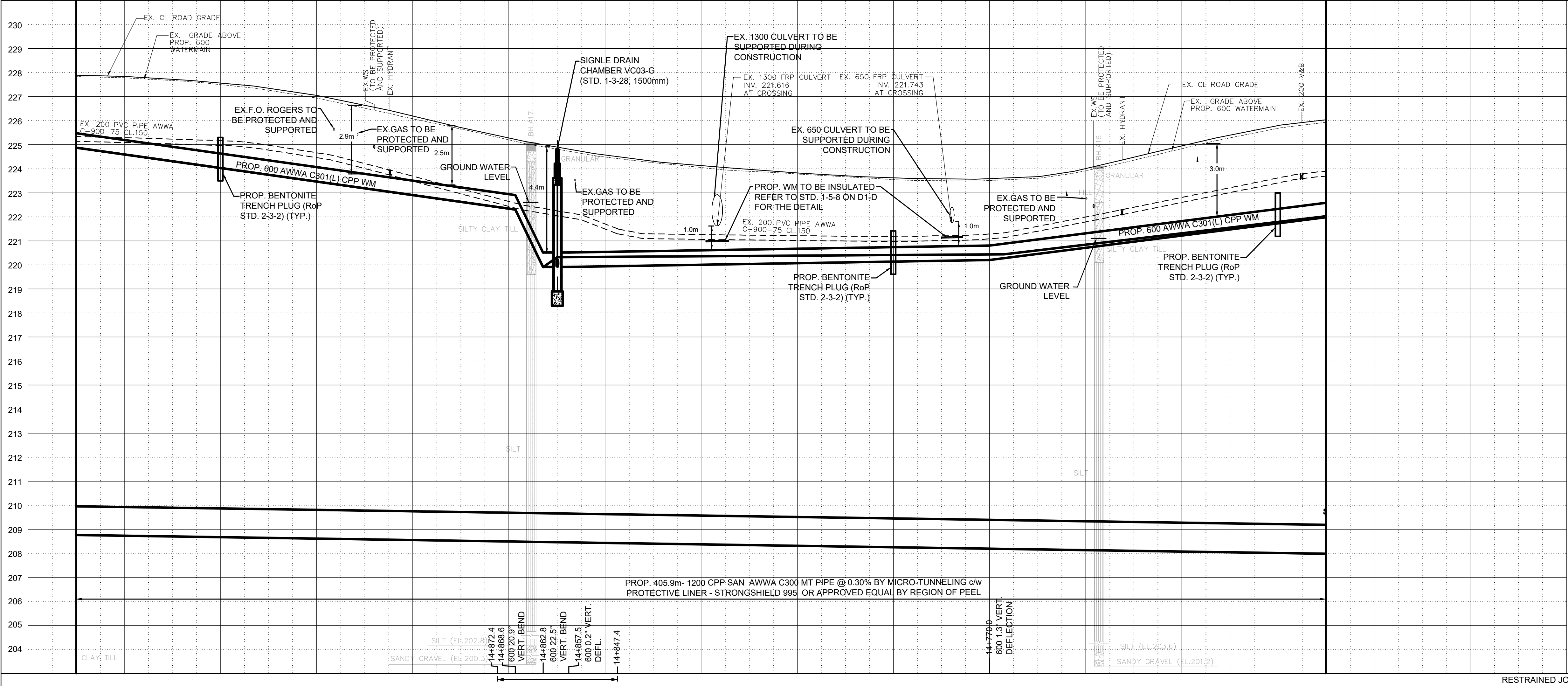
THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
PROP. 1200mm SANITARY SEWER
PROP. 600mm WATERMAIN
STA. 14+700 TO STA. 14+960

CAD Area	X-XX	Area	X-XX	Project No.	24-2273/14-2247/14-1193
Checked by	N.L.	Drawn by	A.L.	Date	DEC 2024
Date	DEC 2024	Sheet	20 of 73	Plan No.	PP08-D



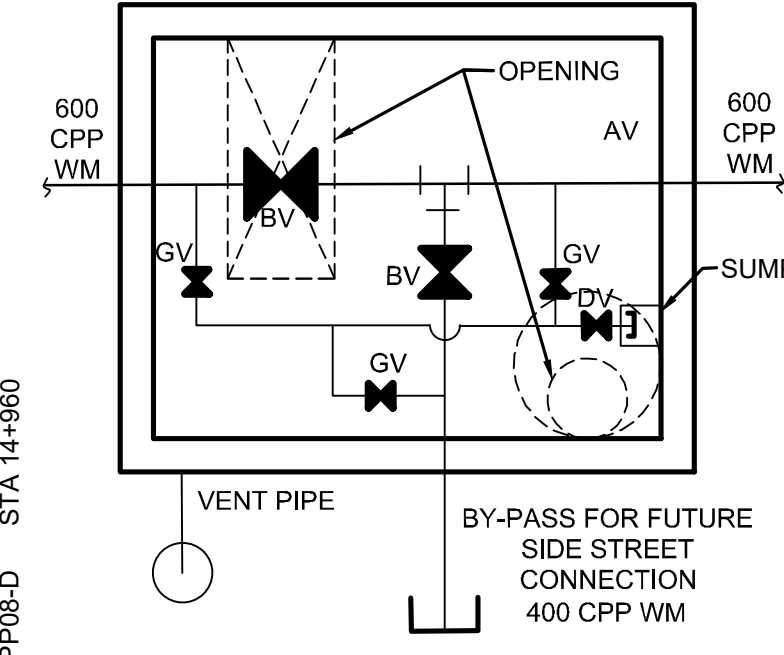
PROP. 600 WATERMAIN TO BE CONSTRUCTED WITH VERTICAL TRENCH BOX

THE EXACT LOCATION AND EX. ELEVATION FOR ALL EX. UTILITIES AND SERVICE CONNECTION TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED



224.88	224.31	223.75	223.18	222.62	220.31	220.35	220.37	220.39	220.42	220.60	221.07	221.54	222.02
227.89	227.72	227.35	226.64	225.71	224.90	224.30	223.97	223.70	223.58	223.67	224.48	225.39	226.03
14+960	14+940	14+920	14+900	14+880	14+860	14+840	14+820	14+800	14+780	14+760	14+740	14+720	14+700

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.



SCHMATIC OF CHAMBER VC04-G (c/w DRAIN, AIR RELEASE & BY-PASS) (MODIFIED RoP Std. 1-3-22, 3000x3800mm) (CONTRACTOR TO PROVIDE SHOP DWG.)

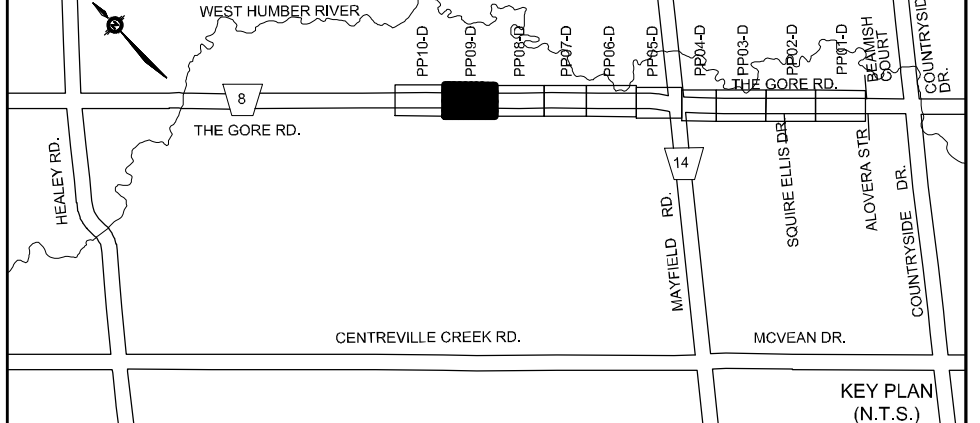
THE COMPOUND AREA DETAIL SEE DWG. CMPD5-D

PROP. 600 WATERMAIN TO BE CONSTRUCTED WITH VERTICAL TRENCH BOX

THE EXACT LOCATION AND Ex.ELEVATION FOR ALL Ex.UTILITIES AND SERVICE CONNECTION TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMANS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TCI-1 TO TCI-8.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-28 ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM4-D.

LEGEND:

- DENOTES EXISTING ROGERS
- DENOTES EXISTING BELL
- DENOTES EXISTING GAS MAIN
- H— DENOTES EXISTING OVERHEAD CABLES
- LS— DENOTES EXISTING STREET LIGHT CABLE
- DENOTES COMPOUND AREA
- ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters(m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. 44
 Elev. 227.680 (Geodetic)
 Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only.
 To Be Verified In Field By Contractor.

Designed by: Chkd.:

Approved by:

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENBRIDGE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

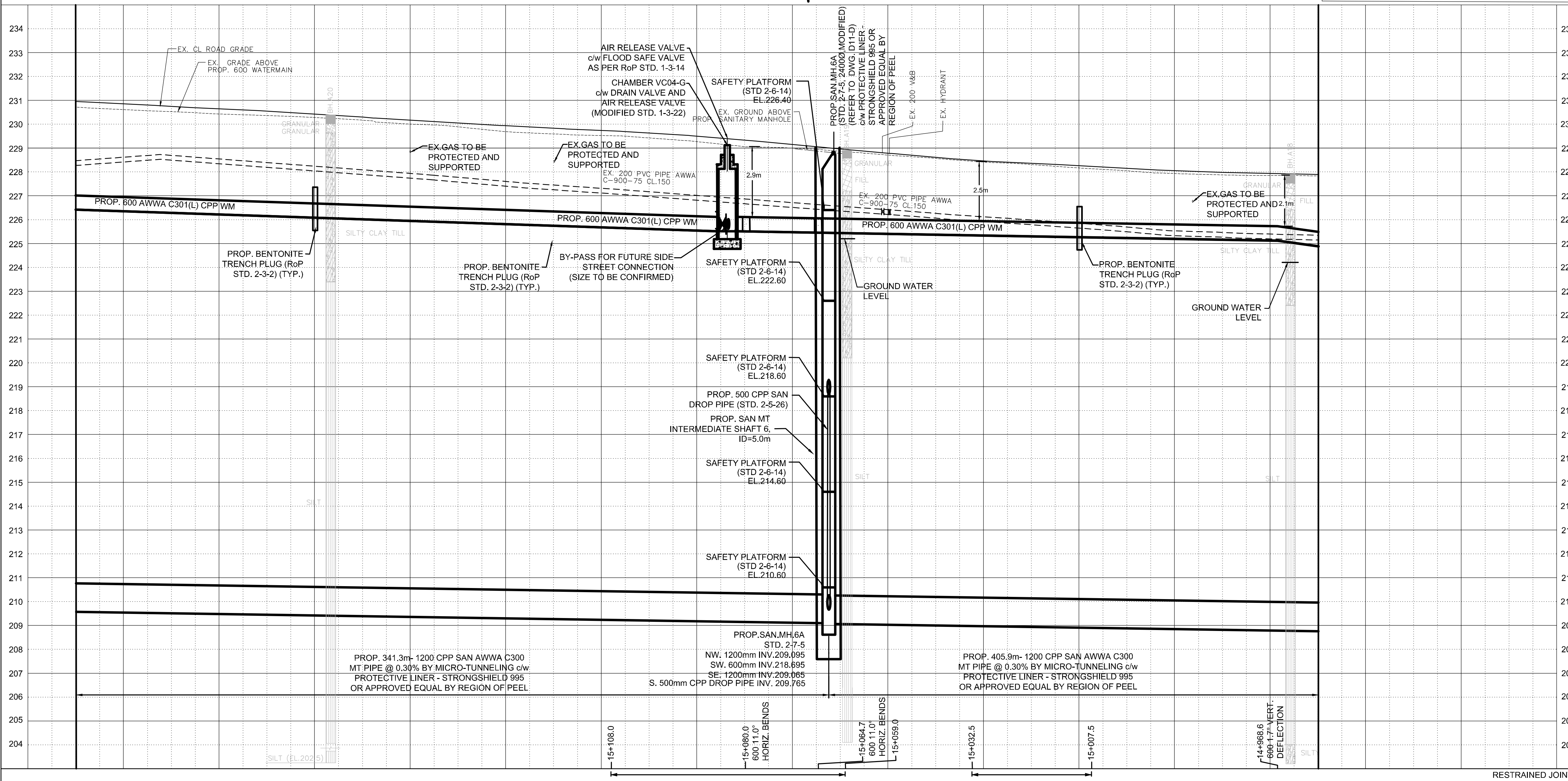
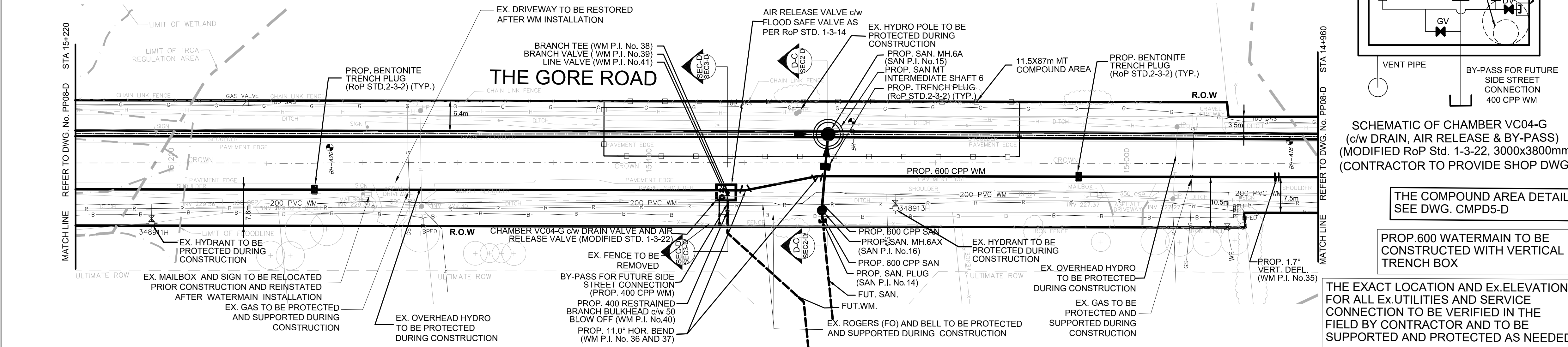
HORIZONTAL SCALE 1:500
 VERTICAL SCALE 1:100

SCHAEFFERS CONSULTING ENGINEERS
 6 Romose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER
 PROP. 600mm WATERMAIN
 STA. 14+960 TO STA. 15+220

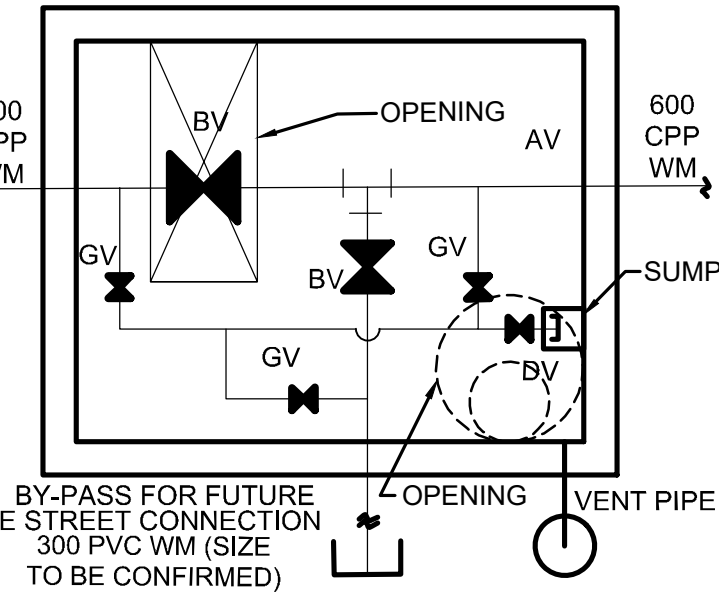
CAD Area	L.S.	Area	C.Z.	Project No.
226.42	226.29	230.54	24-2273/24-2274/24-1193	
230.95	230.75	230.30	Checked by	N.L.
15+220	15+200	15+180	Drawn by	A.L.
15+160	15+140	15+120	Date	DEC 2024
15+100	15+080	15+060	Sheet	21 of 73
15+040	15+020	15+000	Plan No.	PP09-D
14+980	14+960			



226.42	226.29	226.15	226.02	225.88	225.75	225.61	225.51	225.44	225.37	225.30	225.23	225.16	224.88
RESTRAINED JOINTS													
BOT. EL. OF WM.													
EX. ROAD ELEV.													
ROAD CHAINAGE													

THE EXACT LOCATION AND Ex.ELEVATION FOR ALL Ex. UTILITIES AND SERVICE CONNECTIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR AND TO BE SUPPORTED AND PROTECTED AS NEEDED.

THE COMPOUND AREA DETAIL SEE DWG. CMPD6-D



THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EX. OVERHEAD UTILITIES PRIOR TO AND DURING CONSTRUCTION. WHEN OVERHEAD UTILITIES MAY INTERFERE WITH ACTIVITY SITE THE WORK TO BE COORDINATED WITH AND IN THE PRESENCE OF THE LOCAL HYDRO ONE AUTHORITY.

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMANS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-10-23	ISSUED FOR TRCA SUBMISSION	N.L.
2024-11-01	ISSUED FOR TENDER	N.L.
2024-11-19	ISSUED FOR TRCA SUBMISSION	N.L.
2024-12-17	ISSUED FOR 2nd TENDER SUBMISSION	N.L.

KEY PLAN (N.T.S.)	
WEST HAMBUR RIVER	THE GORE RD
HEALEY RD	WATERFORD RD
MCVEAN DR	ALDERA ST
CONANTERIE DR	QUANTERIE DR
CENTREVILLE CREEK RD	

- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO EXISTING CONDITION.
 - FOR TEMP. TRAFFIC MANAGEMENT PLANS REFER TO DRAWINGS TC1-D TO TC6-D.
 - FOR THE DETAIL OF TRENCH RESTORATION REFER TO STD 5-2-2B ON DWG.D3-D.
 - FOR THE DETAIL OF PAVEMENT RESTORATION REFER TO GEOTECHNICAL REPORT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM4-D.

- LEGEND:**
- R — DENOTES EXISTING ROGERS
 - B — DENOTES EXISTING BELL
 - G — DENOTES EXISTING GAS MAIN
 - H — DENOTES EXISTING OVERHEAD CABLES
 - LS — DENOTES EXISTING STREET LIGHT CABLE
 - DENOTES COMPOUND AREA
 - ⊕ DENOTES EXISTING TREE TO REMAIN

THIS DRAWING TO BE USED FOR SANITARY SEWER CONSTRUCTION ONLY

General Notes

All Measurements Are In Meters(m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

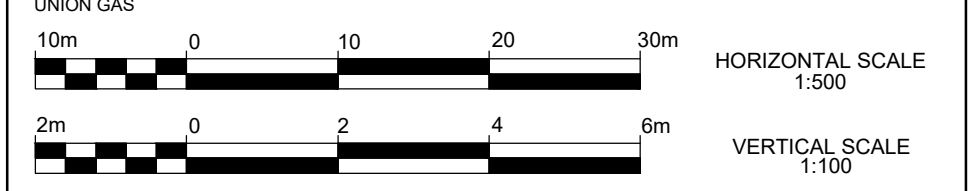
Agency: B.M. No. 44
 Elev. 227.690 (Geodetic)
 Coordinate System: UTM NAD83 (Original)

The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

DESIGNED BY: H. SARKISSIAN
 DEC 17, 2024
 PROVINCE OF ONTARIO

Approved by: _____

- NOTICE TO CONTRACTOR**
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING
- | | |
|---|---------------------------------------|
| THE REGIONAL MUNICIPALITY OF PEEL | CABLE TELEVISION/FIBROPTIC PROVIDERS: |
| CITY OF MISSISSAUGA WORKS DEPT. | BELL CANADA |
| CITY OF BRAMPTON WORKS DEPT. | ENERSOURCE TELECOM |
| TOWN OF CALEDON WORKS DEPT. | HYDRO ONE TELECOM |
| ENBRIDGE INCORPORATED-GAS DISTRIBUTION | ROGERS CABLE |
| ONTARIO MINISTRY OF TRANSPORTATION | ALLSTREAM (ZAYO) |
| ONTARIO CLEAN WATER AGENCY | PSN (PUBLIC SECTOR NETWORK) |
| HYDRO ONE NETWORKS | FUTUREWAY (FCI BROADBAND) |
| ALECTRA UTILITIES | GT FIBER/360 NETWORK INC. |
| TRANS NORTHERN PIPELINE | TELUS COMMUNICATION |
| PEARSON INTERNATIONAL FUEL FACILITIES CORP. | |
| UNION GAS | |

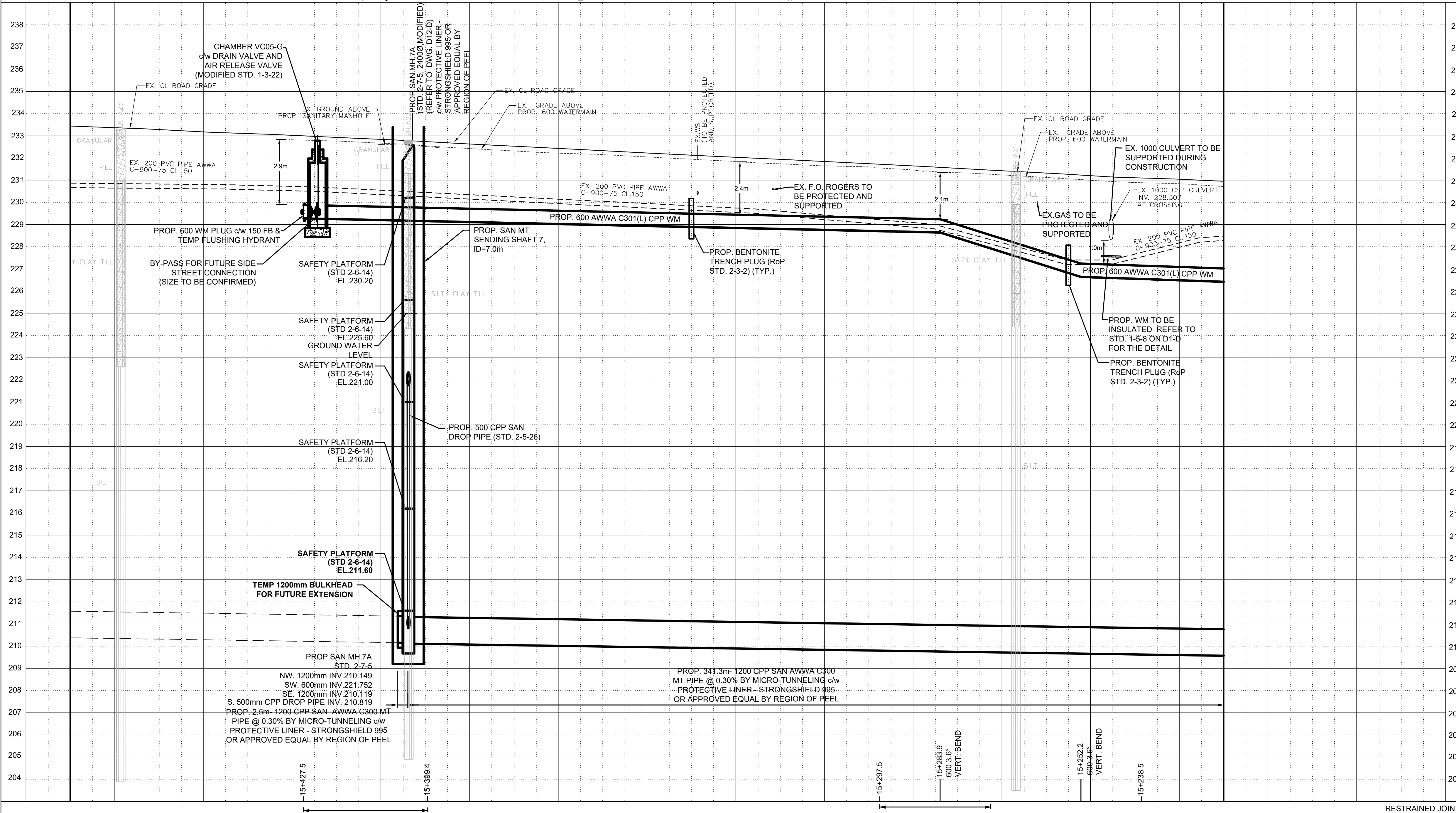


SCHAEFFERS
 CONSULTING ENGINEERS

6 Romrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com



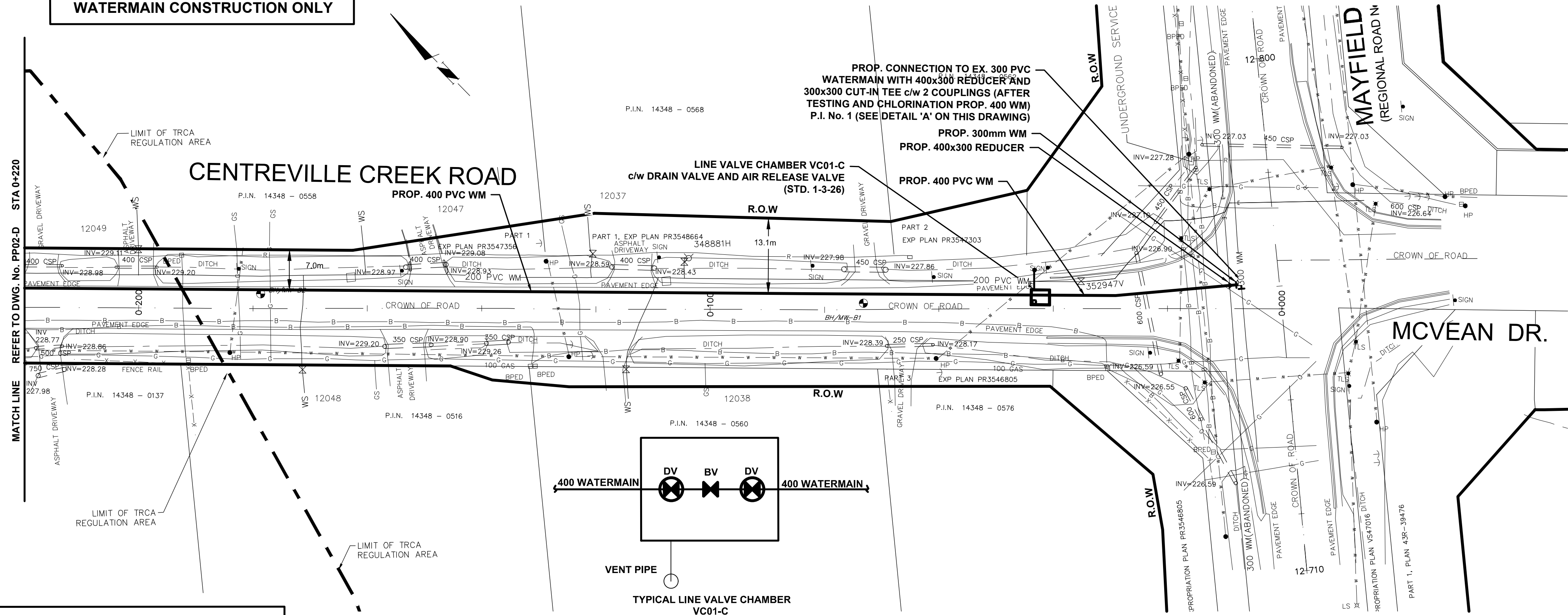
THE GORE ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 1200mm SANITARY SEWER STA. 15+220 TO STA. 15+480



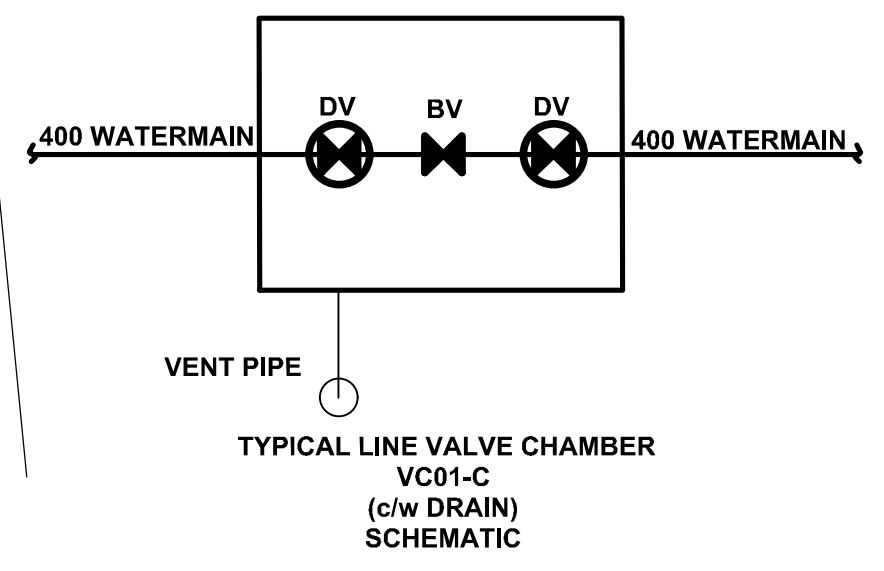
RESTRAINED JOINTS														
STA	229.25	229.16	229.07	228.98	228.89	228.80	228.71	228.40	227.14	226.56	226.42			
BOT.EL. OF WM.	233.44	233.28	233.10	232.93	232.74	232.53	232.33	232.13	231.94	231.75	231.53	231.32	231.11	230.95
EX. ROAD ELEV.	15+480	15+460	15+440	15+420	15+400	15+380	15+360	15+340	15+320	15+300	15+280	15+260	15+240	15+220

CAD Area	L.S.	Area	C.Z.	Project No.	24-2273/24-2274/24-1193
Checked by	N.L.	Drawn by	A.L.	Sheet	22 of 73
Date	DEC 2024	Plan No.	PP10-D		

THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY

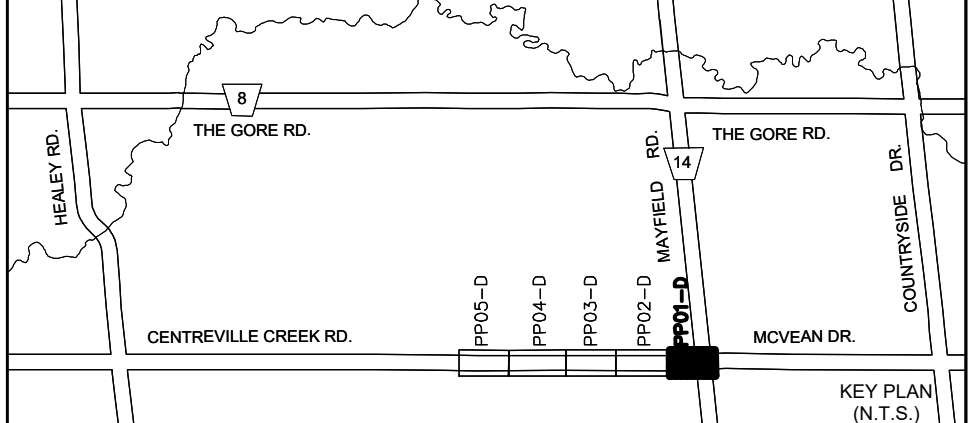


THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED



SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- DENOTES PROPOSED WATERMAIN
- DENOTES EXISTING WATERMAIN
- DENOTES EXISTING STORM SEWER
- DENOTES ROGERS
- DENOTES EXISTING GAS MAIN
- DENOTES EXISTING AERIAL CABLES
- DENOTES LIMIT OF TRCA REGULATION AREA
- DENOTES SINGLE/DOUBLE CATCHBASIN

General Notes

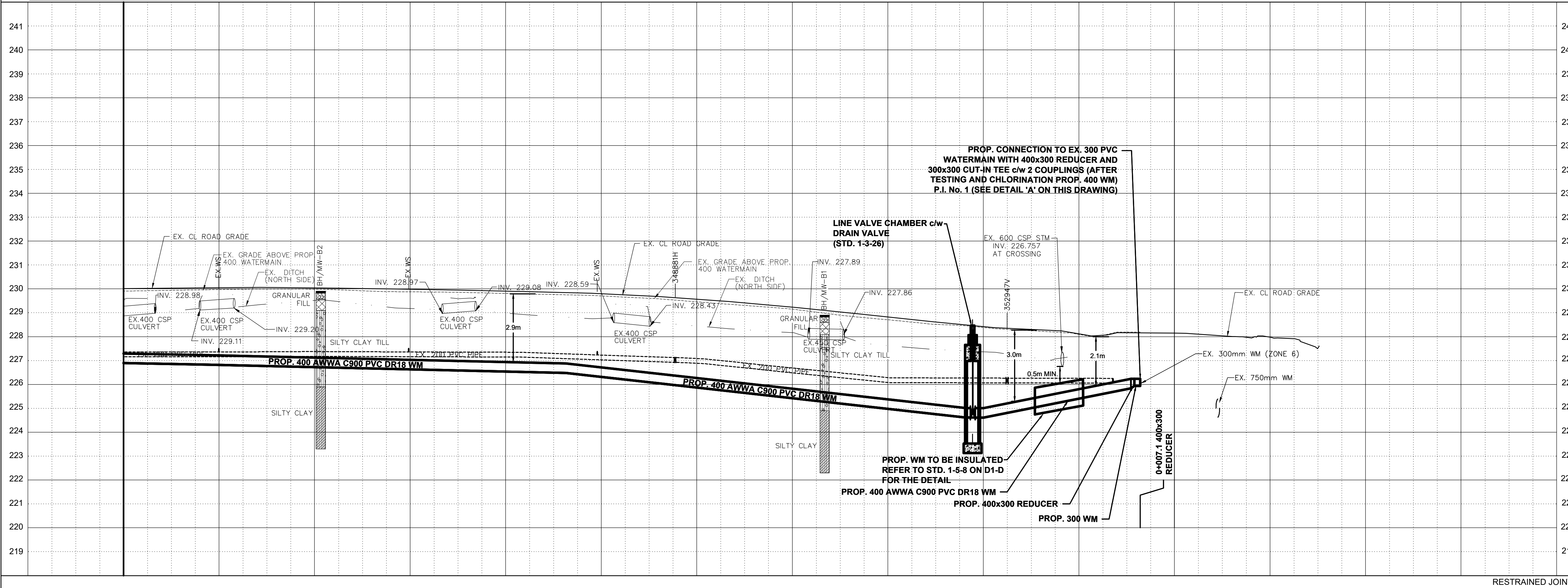
All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic)
 Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

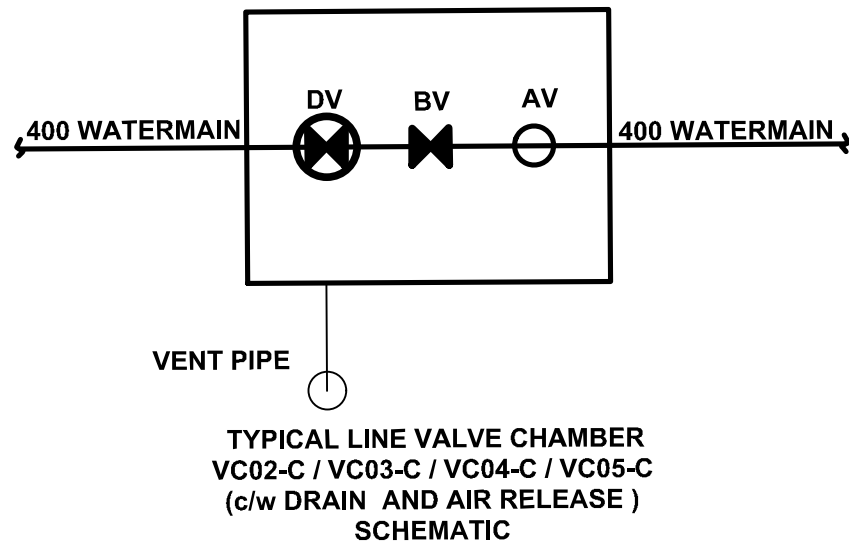
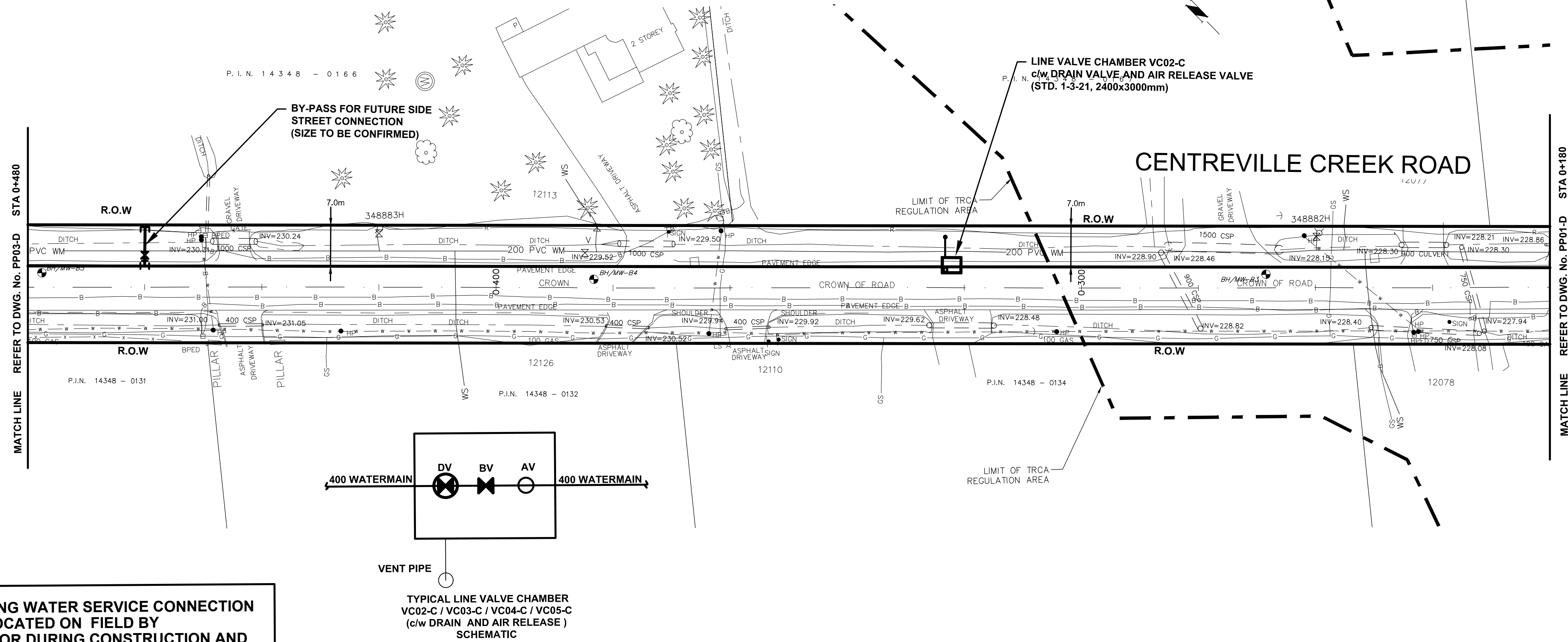
THE CENTREVILLE CREEK
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
PROP. 400mm WATERMAIN
 STA. 0+000 TO STA. 0+220



STATION	226.90	226.86	226.82	226.77	226.72	226.68	226.63	226.58	226.54	226.49	226.40	226.29	226.19	226.08	225.97	225.87	225.76	225.65	225.59	225.67	225.75	225.83	
BOT. EL. OF WM.	229.91	229.94	229.97	230.00	229.99	229.92	229.88	229.86	229.81	229.76	229.71	229.61	229.46	229.31	229.15	228.90	228.71	228.52	228.38	228.25	228.10	228.19	
EX. ROAD ELEV.	0+220	0+210	0+200	0+190	0+180	0+170	0+160	0+150	0+140	0+130	0+120	0+110	0+100	0+090	0+080	0+070	0+060	0+050	0+040	0+030	0+020	0+010	0+000

CAD Area	X-XX	Area	X-XX	Project No.	291199
Checked by	N.L.	Drawn by	A.L.	Date	JULY 2024
Sheet	4 of 14	Plan No.	PP01-D		

THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY



THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z.

NOTES:

- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
- LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
- FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
- ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
- FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- DENOTES PROPOSED WATERMAIN
- 200 PVC WM DENOTES EXISTING WATERMAIN
- 300 STM DENOTES EXISTING STORM SEWER
- R DENOTES ROGERS
- G DENOTES EXISTING GAS MAIN
- * * * DENOTES EXISTING AERIAL CABLES
- DENOTES LIMIT OF TRCA REGULATION AREA
- □ DENOTES SINGLE/DOUBLE CATCHBASIN

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic)
 Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

DESIGNED BY: H. SARKISIAN
 REGISTERED PROFESSIONAL ENGINEER
 PROVINCE OF ONTARIO
 SEPT. 16, 2022

Checked by: _____
 Approved by: _____

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

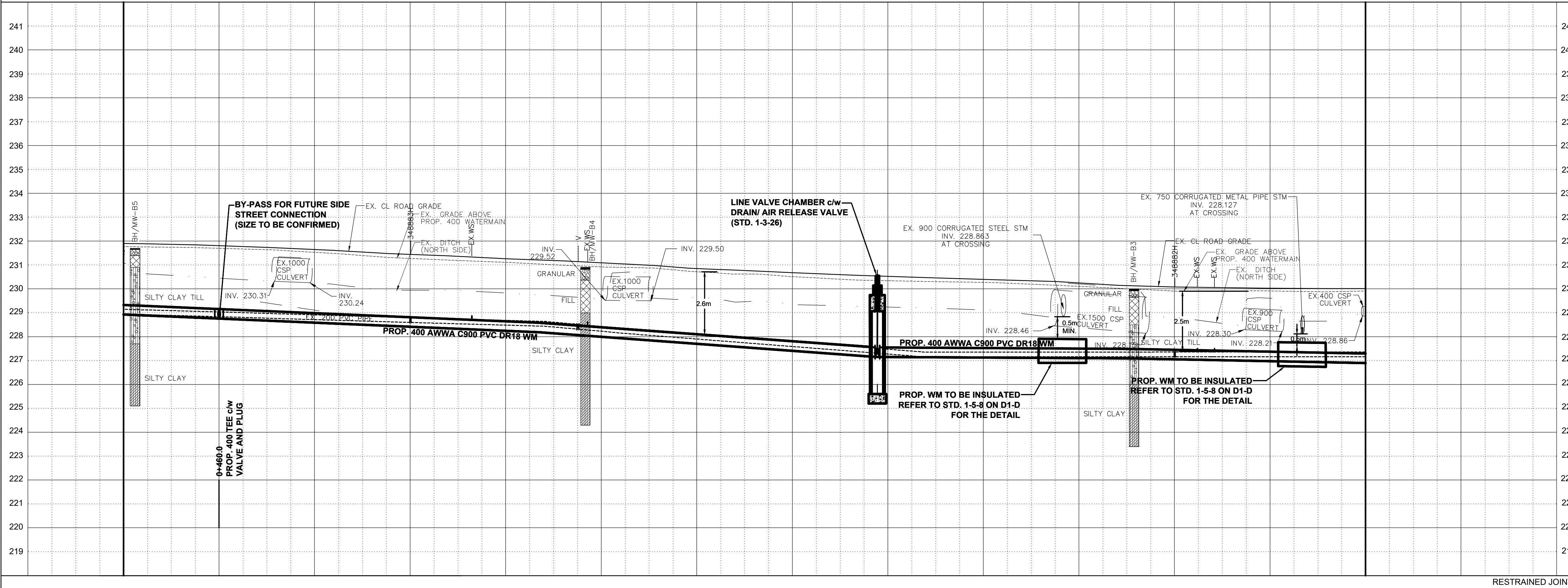
THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBERN/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS
 CONSULTING ENGINEERS
 6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

THE CENTREVILLE CREEK ROAD
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 400mm WATERMAIN
 STA. 0+220 TO STA. 0+480



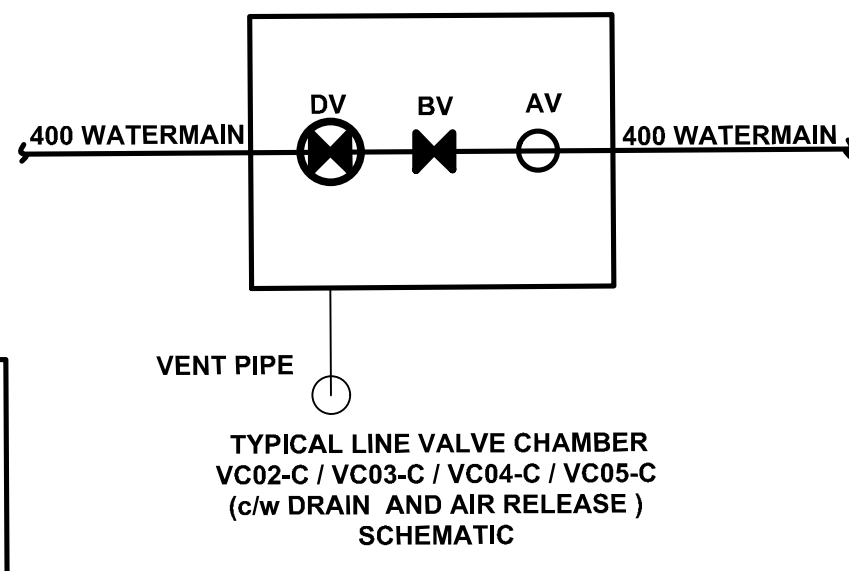
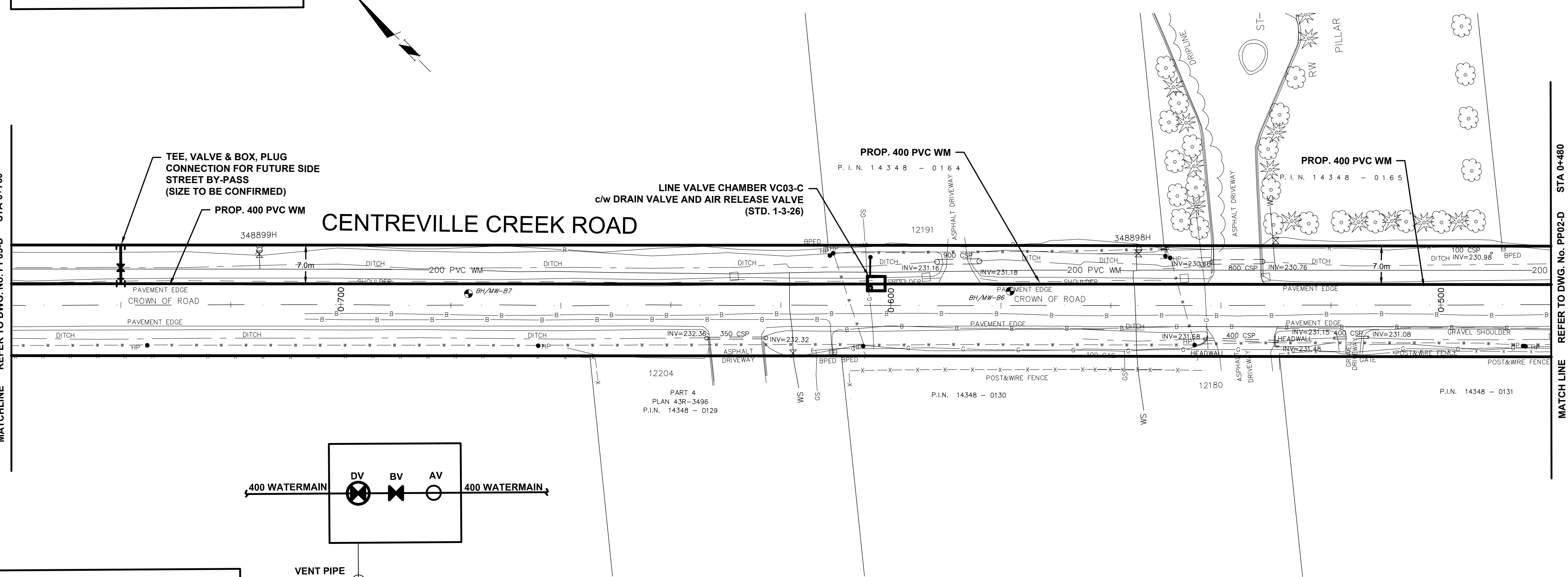
228.93	228.84	228.76	228.67	228.59	228.50	228.41	228.33	228.24	228.14	227.99	227.85	227.70	227.55	227.41	227.26	227.14	227.13	227.12	227.11	227.10	227.09	227.05	227.01	226.98	226.94	226.90
231.77	231.74	231.70	231.64	231.53	231.40	231.27	231.19	231.11	231.01	230.92	230.88	230.72	230.62	230.51	230.40	230.34	230.30	230.27	230.20	230.11	230.01	229.91	229.91	229.91	229.88	229.91
0+480	0+470	0+460	0+450	0+440	0+430	0+420	0+410	0+400	0+390	0+380	0+370	0+360	0+350	0+340	0+330	0+320	0+310	0+300	0+290	0+280	0+270	0+260	0+250	0+240	0+230	0+220

RESTRAINED JOINTS	BOT. EL. OF WM.	Project No.	291199
EX. ROAD ELEV.	Checked by N.L.	Drawn by A.L.	
ROAD CHAINAGE	Date JULY 2024	Sheet 5 of 14	Plan No. PP02-D

THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY

MATCHLINE REFER TO DWG. No. PP03-D STA 0+760

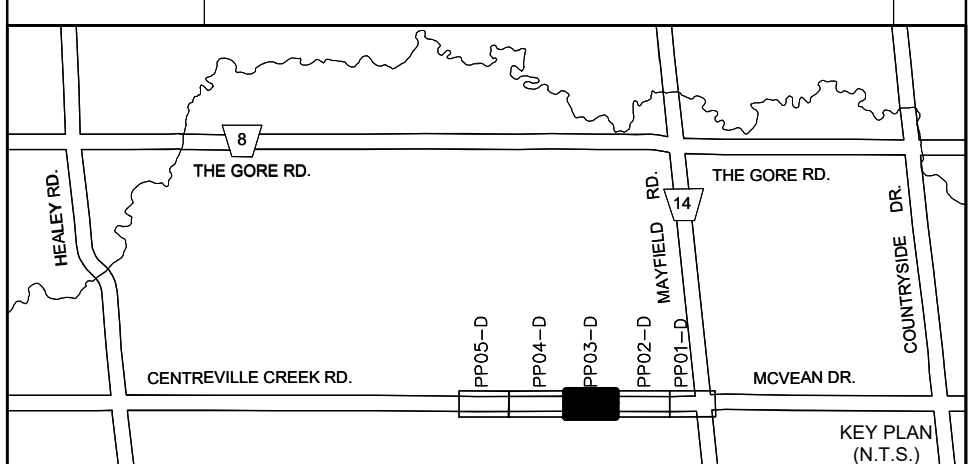
MATCHLINE REFER TO DWG. No. PP02-D STA 0+480



THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- DENOTES PROPOSED WATERMAIN
- 200 PVC WM — DENOTES EXISTING WATERMAIN
- 300 STM — DENOTES EXISTING STORM SEWER
- R — DENOTES ROGERS
- G — DENOTES EXISTING GAS MAIN
- * — * — DENOTES EXISTING AERIAL CABLES
- — — DENOTES LIMIT OF TRCA REGULATION AREA
- □ DENOTES SINGLE/DOUBLE CATCH BASIN

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic) Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Professional Engineer Seal for H. SARKISIAN, No. 16257, Province of Ontario, dated Sept. 16, 2023.

Designed by: [Signature] Approved by: [Signature]

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

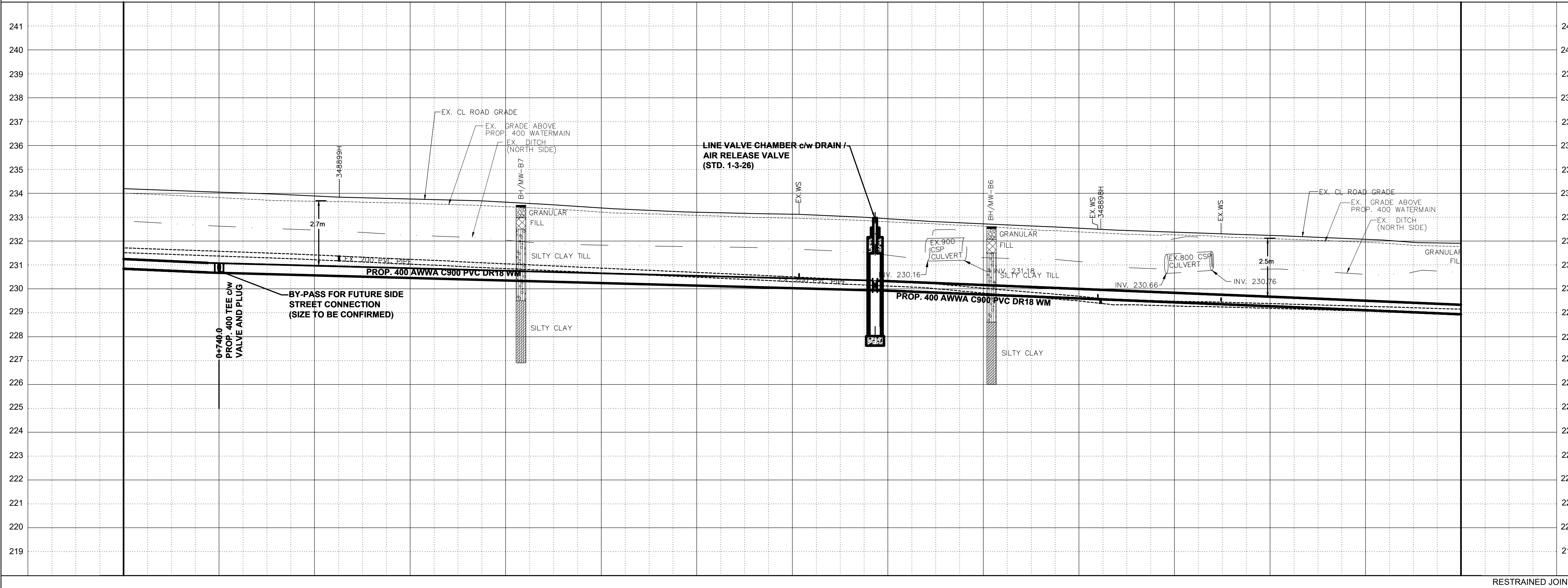
THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSM (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	UNION GAS

Scale: 10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS CONSULTING ENGINEERS
 6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

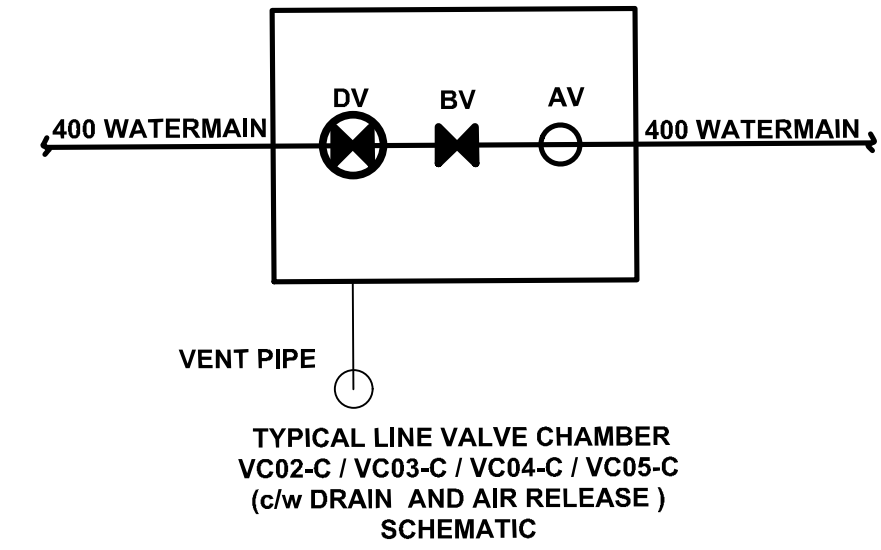
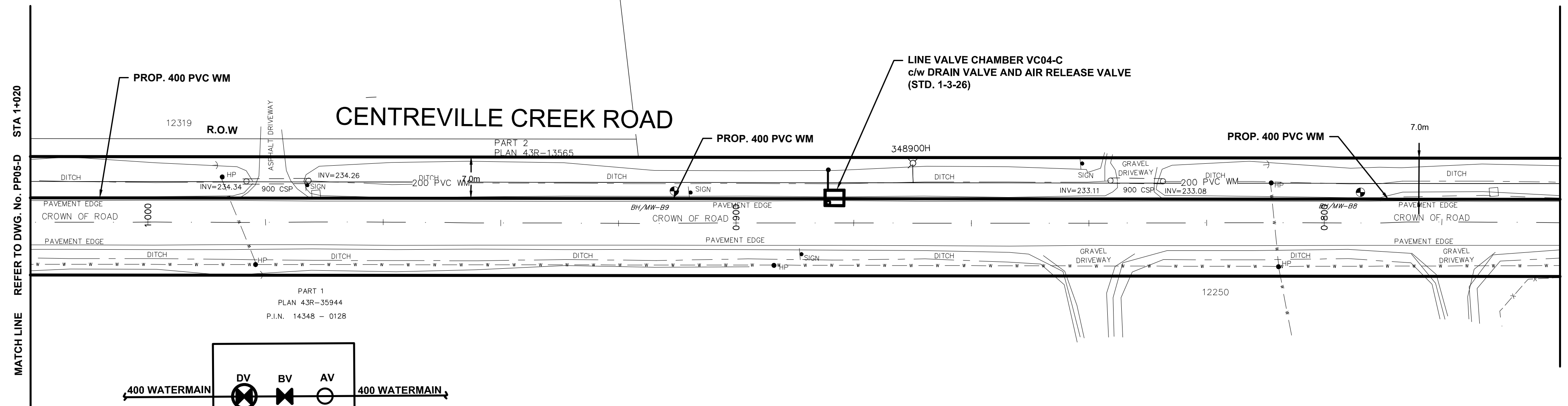
THE CENTREVILLE CREEK
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 400mm WATERMAIN
 STA. 0+480 TO STA. 0+760



Station	230.84	230.75	230.67	230.62	230.56	230.51	230.46	230.40	230.35	230.30	230.24	230.19	230.14	230.08	230.03	229.98	229.92	229.84	229.76	229.68	229.60	229.52	229.44	229.35	229.27	229.19	229.10	229.02	228.93	
ROAD CHAINAGE	0+760	0+750	0+740	0+730	0+720	0+710	0+700	0+690	0+680	0+670	0+660	0+650	0+640	0+630	0+620	0+610	0+600	0+590	0+580	0+570	0+560	0+550	0+540	0+530	0+520	0+510	0+500	0+490	0+480	
BOT. EL. OF WM.																														
EX. ROAD ELEV.																														

CAD Area	X-XX	Area	X-XX	Project No.	291199
Checked by	N.L.	Drawn by	A.L.	Date	JULY 2024
Sheet	6 of 14	Plan No.	PP03-D		

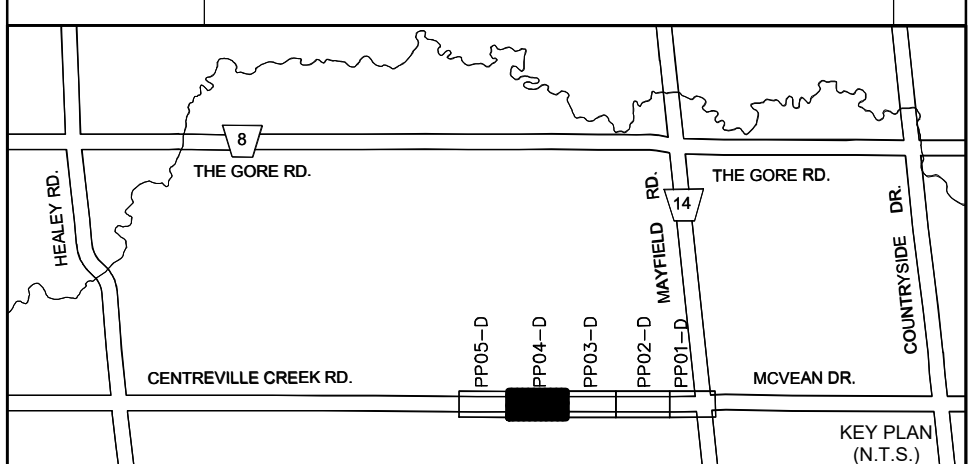
THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY



THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z.



- NOTES:**
- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
 - LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
 - THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
 - FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
 - ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
 - FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- DENOTES PROPOSED WATERMAIN
- 200 PVC WM — DENOTES EXISTING WATERMAIN
- 300 STW — DENOTES EXISTING STORM SEWER
- R — DENOTES ROGERS
- G — DENOTES EXISTING GAS MAIN
- * — DENOTES EXISTING AERIAL CABLES
- — DENOTES LIMIT OF TRCA REGULATION AREA
- □ DENOTES SINGLE/DOUBLE CATCHBASIN

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic) Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

Professional Engineer Seal for H. SARKISIAN, P. ENG., No. 16227, Province of Ontario. Includes 'Checked by' and 'Approved by' lines.

NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

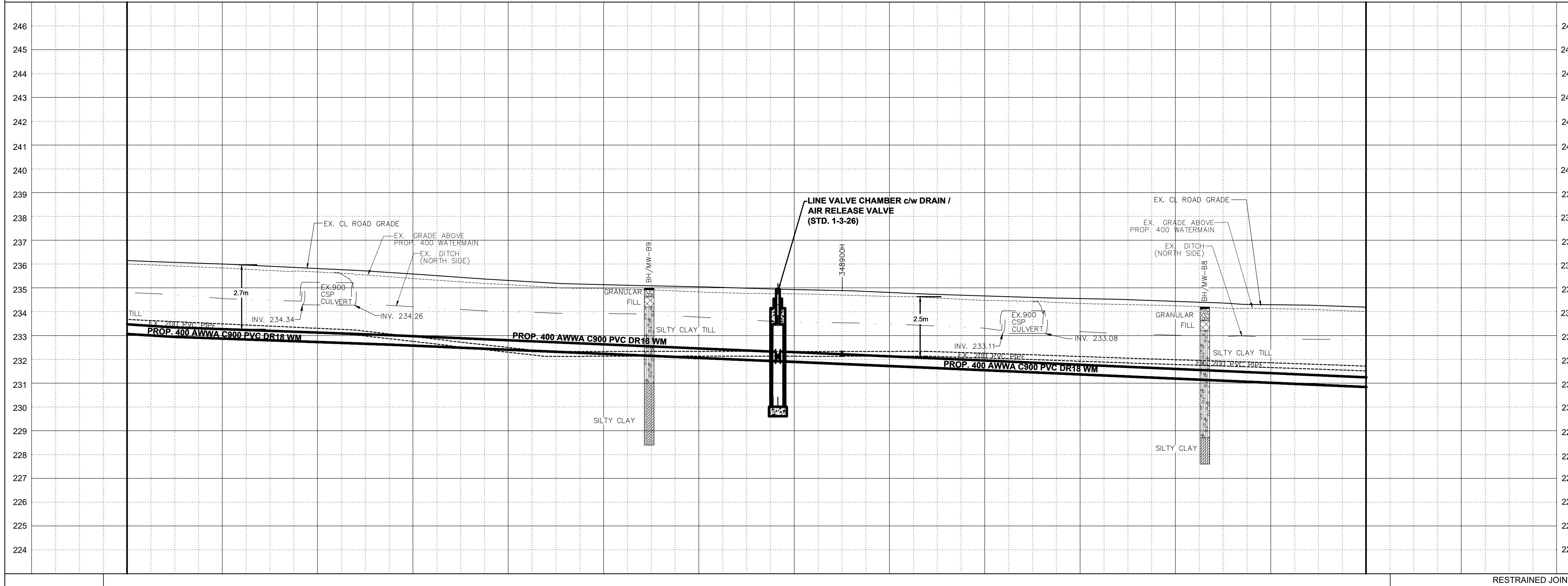
THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

Scale: 10m 0 10 20 30m HORIZONTAL SCALE 1:500
 2m 0 2 4 6m VERTICAL SCALE 1:100

SCHAEFFERS CONSULTING ENGINEERS
 6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

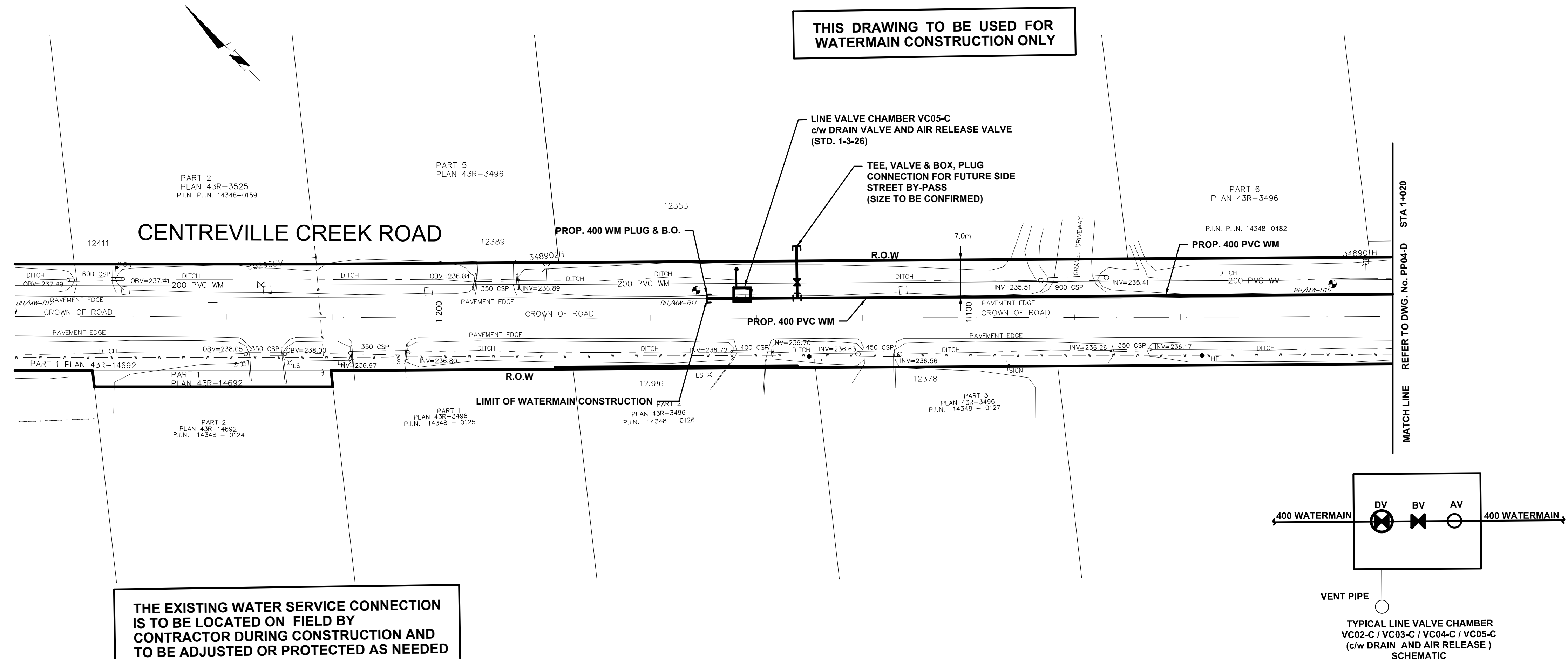
Region of Peel
 working with you

THE CENTREVILLE CREEK
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
 PROP. 400mm WATERMAIN
 STA. 0+720 TO STA. 1+020



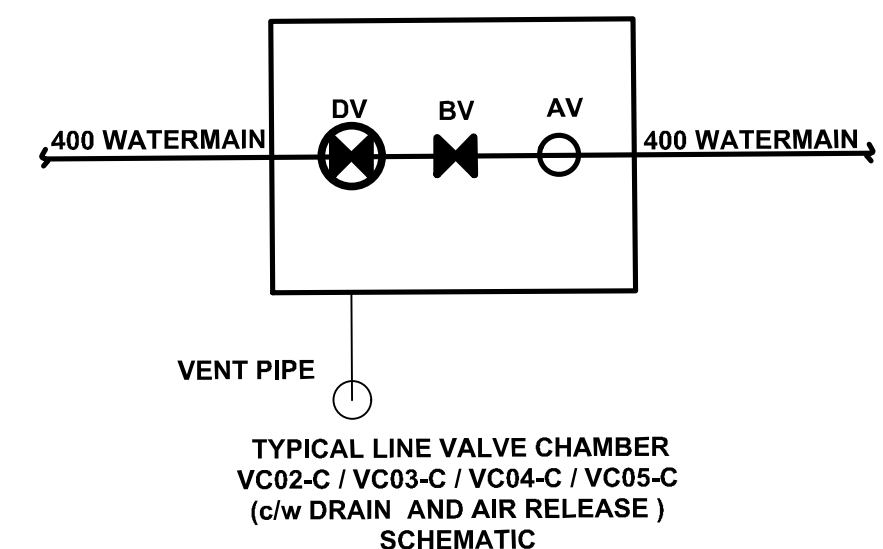
233.07	232.94	232.87	232.80	232.73	232.65	232.58	232.49	232.40	232.32	232.23	232.15	232.06	231.97	231.89	231.80	231.72	231.63	231.54	231.46	231.37	231.28	231.19	231.10	231.02	230.93	230.84	RESTRAINED JOINTS
236.00	235.92	235.84	235.73	235.67	235.54	235.39	235.25	235.14	235.01	234.97	234.91	234.83	234.77	234.75	234.70	234.64	234.57	234.47	234.44	234.35	234.30	234.25	234.15	234.13	234.08	234.01	BOT. EL. OF WM.
1+020	1+010	1+000	0+990	0+980	0+970	0+960	0+950	0+940	0+930	0+920	0+910	0+900	0+890	0+880	0+870	0+860	0+850	0+840	0+830	0+820	0+810	0+800	0+790	0+780	0+770	0+760	EX. ROAD ELEV.
ROAD CHAINAGE																											

CAD Area	X-XX	Area	X-XX	Project No.	291199
Checked by	N.L.	Drawn by	A.L.	Date	JULY 2024
Sheet	7 of 14	Plan No.	PP04-D		



THIS DRAWING TO BE USED FOR WATERMAIN CONSTRUCTION ONLY

THE EXISTING WATER SERVICE CONNECTION IS TO BE LOCATED ON FIELD BY CONTRACTOR DURING CONSTRUCTION AND TO BE ADJUSTED OR PROTECTED AS NEEDED



SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMANS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
2024-09-16	ISSUED FOR 30% SUBMISSION	C.Z

KEY PLAN (N.T.S.)

NOTES:

- INVERTS, SIZE AND LOCATION FOR ALL SERVICES AND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND PROTECTED/SUPPORTED ACCORDINGLY DURING CONSTRUCTION.
- LOCAL ACCESS TO RESIDENTS IS TO BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- THE VALVE CHAMBER SCHEMATICS SHOWN IN THE PLAN AND PROFILE DRAWINGS. REFER TO THE REGION OF PEEL STANDARD DRAWINGS TO DETERMINE THE NECESSARY VALVING TYPE/CONFIGURATION DETAILS.
- FOR RELOCATION OF THE EX. 200 WATERMAIN WITH LENGTH EXCEEDING 6.0m FLUSHING AND DISINFECTION IS REQUIRED.
- ALL EX. DITCHES RELOCATED WITHIN COMPOUND AREA TO BE REINSTATED TO ORIGINAL ALIGNMENT.
- FOR TREE REMOVALS/PROTECTION REFER TO RM1-D TO RM2-D

LEGEND:

- DENOTES PROPOSED WATERMAIN
- DENOTES EXISTING WATERMAIN
- DENOTES EXISTING STORM SEWER
- DENOTES ROGERS
- DENOTES EXISTING GAS MAIN
- DENOTES EXISTING AERIAL CABLES
- DENOTES LIMIT OF TRCA REGULATION AREA
- DENOTES SINGLE/DOUBLE CATCHBASIN

General Notes

All Measurements Are In Meters (m) Unless Otherwise Noted
 All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 All Horizontal And Vertical Bends Are In Degrees

Agency: B.M. No. Elev. XXX.XXX (Geodetic) Coordinate System: UTM NAD83 (Original)
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

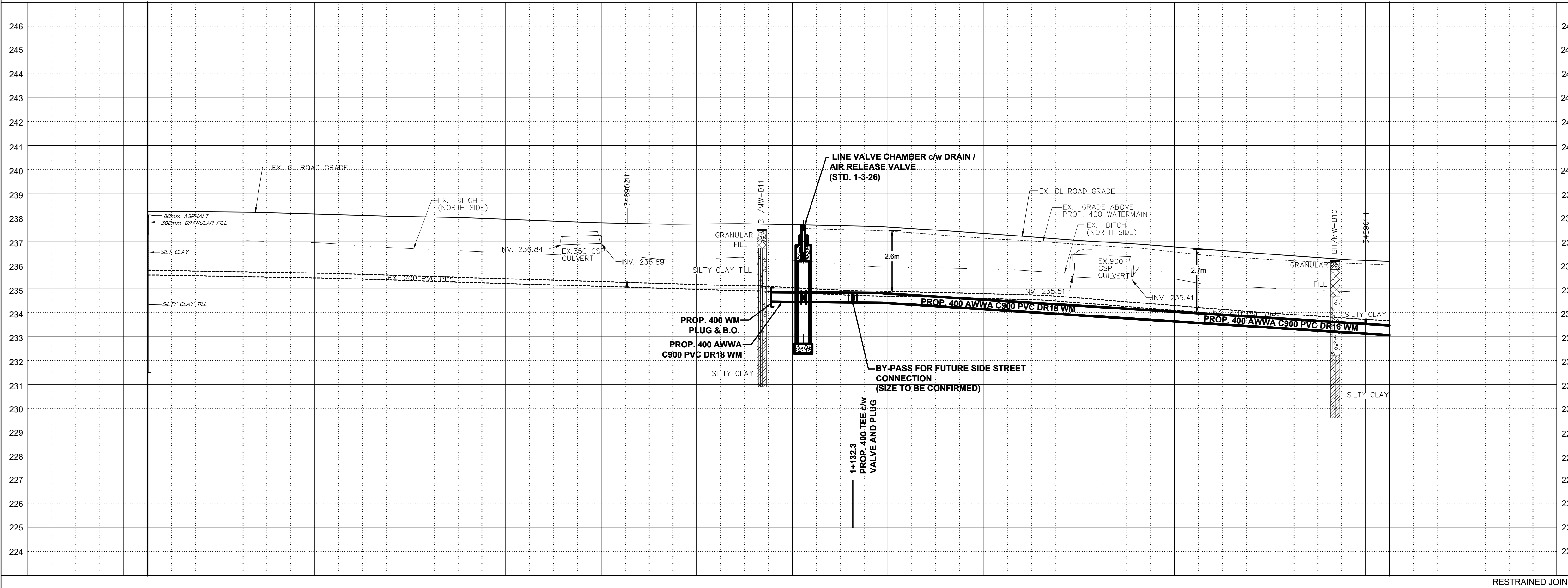
NOTICE TO CONTRACTOR
 48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
ENBRIDGE INCORPORATED-GAS DISTRIBUTION	ROGERS CABLE
ONTARIO MINISTRY OF TRANSPORTATION	ALLSTREAM (ZAYO)
ONTARIO CLEAN WATER AGENCY	PSN (PUBLIC SECTOR NETWORK)
HYDRO ONE NETWORKS	FUTUREWAY (FCI BROADBAND)
ALECTRA UTILITIES	GT FIBER/360 NETWORK INC.
TRANS NORTHERN PIPELINE	TELUS COMMUNICATION
PEARSON INTERNATIONAL FUEL FACILITIES CORP.	
UNION GAS	

SCHAEFFERS CONSULTING ENGINEERS
 6 Ronrose Drive, Concord, Ontario L4K 4R3
 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com

Region of Peel
 working with you

THE CENTREVILLE CREEK
 (FROM MAYFIELD ROAD TO HEALEY ROAD)
PROP. 400mm WATERMAIN
 STA. 1+020 TO STA. 1+280



Station	234.45	234.43	234.34	234.21	234.08	233.96	233.83	233.70	233.58	233.45	233.32	233.19	233.07
1+280	237.51	237.46	237.35	237.20	237.06	236.94	236.80	236.65	236.44	236.30	236.17	236.08	236.00
1+270													
1+260													
1+250													
1+240													
1+230													
1+220													
1+210													
1+200													
1+190													
1+180													
1+170													
1+160													
1+150													
1+140													
1+130													
1+120													
1+110													
1+100													
1+090													
1+080													
1+070													
1+060													
1+050													
1+040													
1+030													
1+020													

CAD Area	X-XX	Area	X-XX	Project No.	291199
Checked by	N.L.	Drawn by	A.L.	Sheet	8 of 14
Date	JULY 2024	Plan No.	PP05-D		

APPENDIX E3

SANITARY DESIGN SHEETS



**Sanitary Design Sheet
Wildfield Village
Phase 1
Town of Caledon, Region of Peel**

Minimum Sewer Diameter (mm) = 200 Avg. Domestic Flow (l/cap/day) = 290
 Mannings n = 0.013 Infiltration Rate (l/s/ha) = 0.26
 Minimum Velocity (m/s) = 0.75 Max. Harmon Peaking Factor = 4.0
 Maximum Velocity (m/s) = 3 Min. Harmon Peaking Factor = 2.0
 Minimum Pipe Slope (%) = 0.50 **NOMINAL PIPE SIZE USED**

Note: Population density per sanitary population calculations in this appendix.

Project: Wildfield Village
 Project No. 2630
 Date: 14-Jan-25
 Designed By: D.V.
 Reviewed By: N.D.M.

P:\2630 Wildfield Village\Design\Pipe Design\Sanitary\2630 - Sanitary Sheet Design - External Trunk Sanitary Sizing.xlsx\Design

LOCATION			RESIDENTIAL						INDUSTRIAL/COMMERCIAL/INSTITUTIONAL					FLOW CALCULATIONS								PIPE DATA					
STREET	MANHOLE		AREA (ha)	ACCUM. AREA (ha)	UNITS (#)	DENSITY		RESIDENTIAL POPULATION	ACCUM. RESIDENTIAL POPULATION	AREA (ha)	ACCUM. AREA (ha)	POPULATION DENSITY (p/ha)	FLOW RATE (l/s/ha)	ACCUM. EQUIV. POPULATION	INFILTRATION (L/s)	TOTAL ACCUM. POPULATION	AVG. DOMESTIC FLOW (L/s)	ACCUM. AVG. DOMESTIC FLOW (L/s)	PEAKING FACTOR	PEAKED RESIDENTIAL FLOW (L/s)	ICI FLOW (L/s)	TOTAL FLOW (L/s)	LENGTH (m)	PIPE DIAMETER (mm)	SLOPE (%)	FULL FLOW CAPACITY (L/s)	FULL FLOW VELOCITY (m/s)
	FROM	TO				PER UNIT (p/unit)	PER HA (p/ha)																				
Catchment 101	101	MH1	154.88	154.88	0		112.7	17456	17456	0	0	0	0	0	40.3	17456	58.6	58.6	2.71	158.9	0.0	199.2	100.0	525	0.50	303.9	1.40
Catchment 102	102	MH1	7.75	7.75	0		121.9	945	945	0	0	0	0	0	2.0	945	3.2	3.2	3.82	12.1	0.0	14.1	100.0	200	0.50	23.2	UNDER
The Gore Road	MH1	Plug 1	0	162.63	0			0	18401	0	0	0	0	0	42.3	18401	0.0	61.8	2.69	166.1	0.0	208.4	100.0	600	0.30	336.1	1.19
Catchment 103	103	MH2	50.87	50.87	0		177.1	9008	9008	0	0	0	0	0	13.2	9008	30.2	30.2	3.00	90.7	0.0	103.9	100.0	450	0.50	201.5	1.27
Catchment 104	104	MH2	12.47	12.47	0		121.9	1520	1520	0	0	0	0	0	3.2	1520	5.1	5.1	3.68	18.8	0.0	22.0	100.0	250	0.50	42.0	0.86
The Gore Road	MH2	Plug 2	0	63.34	0			0	10528	0	0	0	0	0	16.5	10528	0.0	35.3	2.93	103.6	0.0	120.1	100.0	525	0.30	235.4	1.09
Catchment 105	105	MH3	37.22	37.22	0		122.1	4545	4545	0	0	0	0	0	9.7	4545	15.3	15.3	3.28	50.1	0.0	59.8	100.0	375	0.50	123.9	1.12
The Gore Road	MH3	Plug 3	0	37.22	0			0	4545	0	0	0	0	0	9.7	4545	0.0	15.3	3.28	50.1	0.0	59.8	100.0	375	0.30	96.0	0.87
Catchment 106	106	MH4	82.74	82.74	0		151.1	12498	12498	0	0	0	0	0	21.5	12498	41.9	41.9	2.86	119.9	0.0	141.4	100.0	450	0.50	201.5	1.27
Catchment 107	107	MH4	1.72	1.72	0		122.1	210	210	0	0	0	0	0	0.4	210	0.7	0.7	4.00	2.8	0.0	3.3	100.0	200	0.50	23.2	UNDER
The Gore Road	MH4	Plug 4	0	84.46	0			0	12708	0	0	0	0	0	22.0	12708	0.0	42.7	2.85	121.6	0.0	143.6	100.0	525	0.30	235.4	1.09

Catchments draining to Outlet 1:

Catchment 101

Land Use	Area (ha)
Neighbourhood Area	143.21

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	121.73	27	4.2	13804
Towns	15%	21.48	50	3.4	3652
Total Equivalent Population					17456

Land Use	Area (ha)
Collector Road	11.67

Catchment 102

Land Use	Area (ha)
Neighbourhood Area	7.75

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	6.59	27	4.2	747
Towns	15%	1.16	50	3.4	198
Total Equivalent Population					945

Total Population to Outlet 1 =	18401
---------------------------------------	--------------

Catchments draining to Outlet 2:

Catchment 103

Land Use	Area (ha)
Neighbourhood Area	12.08

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	10.27	27	4.2	1164
Towns	15%	1.81	50	3.4	308
Total Equivalent Population					1472

Land Use	Area (ha)
Urban Corridor	30.41

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	18.25	50	3.4	3102
Stacked Towns	30%	9.12	90	3.4	2792
Apartments	10%	3.04	225	2.4	1642
Total Equivalent Population					7536

Land Use	Area (ha)
Collector Road	8.38

Catchment 104

Land Use	Area (ha)
Neighbourhood Area	12.47

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	10.5995	27	4.2	1202
Towns	15%	1.87	50	3.4	318
Total Equivalent Population					1520

Total Population to Outlet 2 =	10528
---------------------------------------	--------------

Catchments draining to Outlet 3:

Catchment 105

Land Use	Area (ha)
Neighbourhood Area	32.39

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	27.53	27	4.2	3122
Towns	15%	4.86	50	3.4	826
Total Equivalent Population					3948

Land Use	Area (ha)
Collector Road	2.42

Land Use	Area (ha)
Urban Corridor	2.41

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	1.45	50	3.4	246
Stacked Towns	30%	0.72	90	3.4	221
Apartments	10%	0.24	225	2.4	130
Total Equivalent Population					597

Total Population to Outlet 3 =	4545
---------------------------------------	-------------

Catchments draining to Outlet 4:

Catchment 106

Land Use	Area (ha)
Neighbourhood Area	57.11

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	48.54	27	4.2	5505
Towns	15%	8.57	50	3.4	1456
Total Equivalent Population					6961

Land Use	Area (ha)
Neighbourhood Centre	6.66

Unit Type Mix	Unit Mix	Area (ha)	P/ha	Units/ha	Population/Unit	Population
Apartments	50%	3.33	-	250	2.4	1998
Retail	50%	3.33	50	-	0	167
Total Equivalent Population						2165

Land Use	Area (ha)
Urban Corridor	13.61

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	8.17	50	3.4	1388
Stacked Towns	30%	4.08	90	3.4	1249
Apartments	10%	1.36	225	2.4	735
Total Equivalent Population					3373

Land Use	Area (ha)
Collector Road	3.22

Land Use	Area (ha)
Environmental Feature	2.16

Catchment 107

Land Use	Area (ha)
Neighbourhood Area	1.72

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	1.46	27	4.2	166
Towns	15%	0.26	50	3.4	44
Total Equivalent Population					210

Total Population to Outlet 4 =	12708
---------------------------------------	--------------

SUBJECT LANDS SUMMARY

<i>Land Use</i>	<i>Area (ha)</i>	<i>Population</i>
Neighbourhood Area	266.73	32512
Neighbourhood Centre	6.66	2165
Urban Corridor	46.43	11505
Total Area (ha)	319.82	46182

<i>Land Use</i>	<i>Area (ha)</i>	<i>Population</i>
Collector Road	25.69	0

Note: Land Use Population Densities per Population counts provided by Arutip in April 2024

Note: Sanitary Populations do not include park or school blocks to be conservative while not having up to date areas for the blocks.

APPENDIX E4

WATERMAIN CALCULATIONS

Block 1

Land Use	Area (ha)
Neighbourhood Area	13.71

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	11.65	27	4.2	1322
Towns	15%	2.06	50	3.4	350
Total Equivalent Population					1671
Total Population Block 1 =					1671

Block 2

Land Use	Area (ha)
Neighbourhood Area	15.03

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	12.78	27	4.2	1449
Towns	15%	2.25	50	3.4	383
Total Equivalent Population					1832
Total Population Block 2 =					1832

Block 3

Land Use	Area (ha)
Neighbourhood Area	16.00

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	13.60	27	4.2	1542
Towns	15%	2.40	50	3.4	408
Total Equivalent Population					1950
Total Population Block 3 =					1950

Block 4

Land Use	Area (ha)
Neighbourhood Area	16.85

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	14.32	27	4.2	1624
Towns	15%	2.53	50	3.4	430
Total Equivalent Population					2054
Total Population Block 4 =					2054

Block 5

Land Use	Area (ha)
Neighbourhood Area	9.48

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	8.06	27	4.2	914
Towns	15%	1.42	50	3.4	242
Total Equivalent Population					1156

Land Use	Area (ha)
Urban Corridor	5.39

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	3.23	50	3.4	550
Stacked Towns	30%	1.62	90	3.4	495
Apartments	10%	0.54	225	2.4	291
Total Equivalent Population					1336
Total Population Block 5 =					2491

Block 6

Land Use	Area (ha)
Neighbourhood Area	10.38

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	8.82	27	4.2	1001
Towns	15%	1.56	50	3.4	265
Total Equivalent Population					1265

Land Use	Area (ha)
Urban Corridor	4.67

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	2.80	50	3.4	476
Stacked Towns	30%	1.40	90	3.4	429
Apartments	10%	0.47	225	2.4	252
Total Equivalent Population					1157
Total Population Block 6 =					2422

Block 7

Land Use	Area (ha)
Neighbourhood Area	10.43

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	8.87	27	4.2	1005
Towns	15%	1.56	50	3.4	266
Total Equivalent Population					1271

Land Use	Area (ha)
Urban Corridor	4.27

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	2.56	50	3.4	436
Stacked Towns	30%	1.28	90	3.4	392
Apartments	10%	0.43	225	2.4	231
Total Equivalent Population					1058
Total Population Block 7 =					2329

Block 8

Land Use	Area (ha)
Neighbourhood Area	30.02

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	25.52	27	4.2	2894
Towns	15%	4.50	50	3.4	766
Total Equivalent Population					3659
Total Population Block 8 =					3659

Block 9

Land Use	Area (ha)
Neighbourhood Area	35.79

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	30.42	27	4.2	3450
Towns	15%	5.37	50	3.4	913
Total Equivalent Population					4362
Total Population Block 9 =					4362

Block 10

Land Use	Area (ha)
Neighbourhood Area	8.50

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	7.23	27	4.2	819
Towns	15%	1.28	50	3.4	217
Total Equivalent Population					1036

Land Use	Area (ha)
Urban Corridor	7.67

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	4.60	50	3.4	782
Stacked Towns	30%	2.30	90	3.4	704
Apartments	10%	0.77	225	2.4	414
Total Equivalent Population					1901
Total Population Block 10 =					2937

Block 11

Land Use	Area (ha)
Neighbourhood Area	10.07

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	8.56	27	4.2	971
Towns	15%	1.51	50	3.4	257
Total Equivalent Population					1227

Land Use	Area (ha)
Urban Corridor	5.13

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	3.08	50	3.4	523
Stacked Towns	30%	1.54	90	3.4	471
Apartments	10%	0.51	225	2.4	277
Total Equivalent Population					1271
Total Population Block 11 =					2499

Block 12

Land Use	Area (ha)
Neighbourhood Area	11.42

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	9.71	27	4.2	1101
Towns	15%	1.71	50	3.4	291
Total Equivalent Population					1392

Land Use	Area (ha)
Urban Corridor	5.69

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	3.41	50	3.4	580
Stacked Towns	30%	1.71	90	3.4	522
Apartments	10%	0.57	225	2.4	307
Total Equivalent Population					1410
Total Population Block 10 =					2802

Block 13

Land Use	Area (ha)
Neighbourhood Area	14.86

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	12.63	27	4.2	1432
Towns	15%	2.23	50	3.4	379
Total Equivalent Population					1811

Land Use	Area (ha)
Urban Corridor	5.08

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	3.05	50	3.4	518
Stacked Towns	30%	1.52	90	3.4	466
Apartments	10%	0.51	225	2.4	274
Total Equivalent Population					1259

Land Use	Area (ha)
Neighbourhood Centre	6.66

Unit Type Mix	Unit Mix	Area (ha)	P/ha	Units/ha	Population/Unit	Population
Apartments	50%	3.33	-	250	2.4	1998
Retail	50%	3.33	50	-	0	167
Total Equivalent Population						2165

Total Population Block 13 = 5235

Block 14

Land Use	Area (ha)
Neighbourhood Area	18.71

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	15.90	27	4.2	1803
Towns	15%	2.81	50	3.4	477
Total Equivalent Population					2281

Land Use	Area (ha)
Urban Corridor	4.18

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	2.51	50	3.4	426
Stacked Towns	30%	1.25	90	3.4	384
Apartments	10%	0.42	225	2.4	226
Total Equivalent Population					1036

Land Use	Area (ha)
Environmental Feature	1.64

Total Population Block 14 = 3316

Block 15

Land Use	Area (ha)
Neighbourhood Area	23.54

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	20.01	27	4.2	2269
Towns	15%	3.53	50	3.4	600
Total Equivalent Population					2869

Land Use	Area (ha)
Urban Corridor	4.35

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Townhouses	60%	2.61	50	3.4	444
Stacked Towns	30%	1.31	90	3.4	399
Apartments	10%	0.44	225	2.4	235
Total Equivalent Population					1078

Land Use	Area (ha)
Environmental Feature	0.52

Total Population Block 15 =	3947
------------------------------------	-------------

Block 16

Land Use	Area (ha)
Neighbourhood Area	20.22

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	17.19	27	4.2	1949
Towns	15%	3.03	50	3.4	516
Total Equivalent Population					2465

Total Population Block 16 =	2465
------------------------------------	-------------

Block 17

Land Use	Area (ha)
Neighbourhood Area	1.72

Unit Type Mix	Unit Mix	Area (ha)	Units/ha	Population/Unit	Population
Singles	85%	1.46	27	4.2	166
Towns	15%	0.26	50	3.4	44
Total Equivalent Population					210

Total Population Block 17 =	210
------------------------------------	------------

SUBJECT LANDS SUMMARY

Land Use	Area (ha)	Population
Neighbourhood Area	266.73	32512
Neighbourhood Centre	6.66	2165
Urban Corridor	46.43	11505
Total Area (ha)	319.82	46182

Note: Land Use Population Densities per Population counts provided by Arutip in April 2024

Note: Watermain Populations do not include park or school blocks to be conservative while not having up to date areas for the blocks.