

# The Corporation of the Town of Tillsonburg

## Accessibility Advisory Committee Meeting

### AGENDA



Tuesday, March 18, 2025

4:30 PM

Boardroom CSC

10 Lisgar Ave.

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1. **Call to Order**

2. **Closed Session**

3. **Adoption of Agenda**

Moved By: \_\_\_\_\_

Seconded By: \_\_\_\_\_

THAT the agenda as prepared for the Accessibility Advisory Committee meeting of March 18, 2025, be approved.

4. **Disclosures of Pecuniary Interest and the General Nature Thereof**

5. **Adoption of Minutes of Previous Meeting**

Moved By: \_\_\_\_\_

Seconded By: \_\_\_\_\_

THAT the minutes of the December 10, 2024 Accessibility Advisory Committee meeting be approved.

6. **Presentations**

7. **Information Items**

8. **General Business & Reports**

8.1 **Cranberry Road Project**

Moved By: \_\_\_\_\_

Seconded By: \_\_\_\_\_

THAT the Accessibility Advisory Committee receive the attached regarding the Cranberry Road Project as information.

**9. Next Meeting**

**10. Adjournment**

Moved By: \_\_\_\_\_

Seconded By: \_\_\_\_\_

THAT the meeting be adjourned at \_\_\_\_ p.m.



# The Corporation of the Town of Tillsonburg Accessibility Advisory Committee Meeting MINUTES



Tuesday, December 10, 2024  
4:30 PM  
Boardroom CSC  
10 Lisgar Ave.

ATTENDANCE: Margaret McCrimmon  
Michelle Wegg  
Trevor Ford  
Taylor Campbell  
Mike Cerna  
Chris Rosehart, Councillor  
Deb Gilvesy, Mayor  
Michael Brown  
Christine Lamers

Regrets: Brittany Vaughan  
Mark Dickson, Chair

Staff: Emily Xuereb  
Duncan Bryce, Records and Legislative Coordinator  
Amelia Jaggard, Deputy Clerk

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## 1. **Call to Order**

The meeting was called to order at 4:30 p.m.

Mark Dickson, the Chair, was not present. Deputy Clerk led election of the vice-chair.

### **Resolution #1**

Nominated by: Mike Cerna.

Seconded by: Trevor Ford.

THAT Michael Brown be elected as vice-chair for the Accessibility Advisory Committee.

**Carried**

**2. Adoption of Agenda**

**Resolution # 2**

**Moved By:** Trevor Ford

**Seconded By:** Deb Gilvesy, Mayor

THAT the agenda as prepared for the Accessibility Advisory Committee Meeting of December 10, 2024 be approved.

**Carried**

**3. Disclosures of Pecuniary Interest and the General Nature Thereof**

There were no disclosures of pecuniary interest declared.

**4. Adoption of Minutes of Previous Meeting**

**Resolution # 3**

**Moved By:** Mike Cerna

**Seconded By:** Trevor Ford

THAT the minutes of the October 8, 2024 Accessibility Advisory Committee meeting be approved.

**Carried**

**5. Presentations**

**6. Information Items**

**7. General Business & Reports**

**7.1 Election of Vice-Chair**

This item was moved to the beginning of the meeting, taking place immediately upon the meeting being called to order.

**7.2 Michael Brown - Letter to Businesses re: importance of accessibility features in retail and commercial businesses**

Member Michael Brown provided an overview of his submission.

The following recommendations were passed.

**Resolution # 4**

**Moved By:** Trevor Ford

**Seconded By:** Mike Cerna

- A. THAT the Accessibility Advisory Committee receive committee member Michael Brown's submission titled "Accessibility to Retail and Commercial Business Downtown" as information; and
- B. THAT the Accessibility Advisory Committee recommend to Council that the CIP Facade Improvement Grant: Street Facing be updated to add a requirement that businesses install a power assist door operator if the grant is approved; and
- C. THAT the presentation as provided by member Michael Brown be provided to Council when this recommendation is presented.

**Carried**

**Resolution # 5**

**Moved By:** Trevor Ford

**Seconded By:** Margaret McCrimmon

THAT the Accessibility Advisory Committee the Accessibility Advisory Committee Recommend that Council investigate expanding the CIP Accessibility Renovation Grant availability beyond the BIA boundary.

**Carried**

**7.3 Trevor Ford - Request for site tour of the Aquatics Rehabilitation Project at the Tillsonburg Community Centre**

**Resolution # 6**

**Moved By:** Mike Cerna

**Seconded By:** Trevor Ford

THAT the Accessibility Advisory Committee's next committee meeting on March 18, 2025, be held at the Tillsonburg Community Centre with a site tour dependent upon the Aquatic Rehabilitation Project's completion.

**Carried**

**8. Next Meeting**

**9. Adjournment**

**Resolution # 7**

**Moved By:** Trevor Ford

**Seconded By:** Christine Lamers

THAT the Accessibility Advisory Committee be adjourned at 5:16 p.m.

**Carried**

### **Cranberry Road Capital Project 2025 - underway**

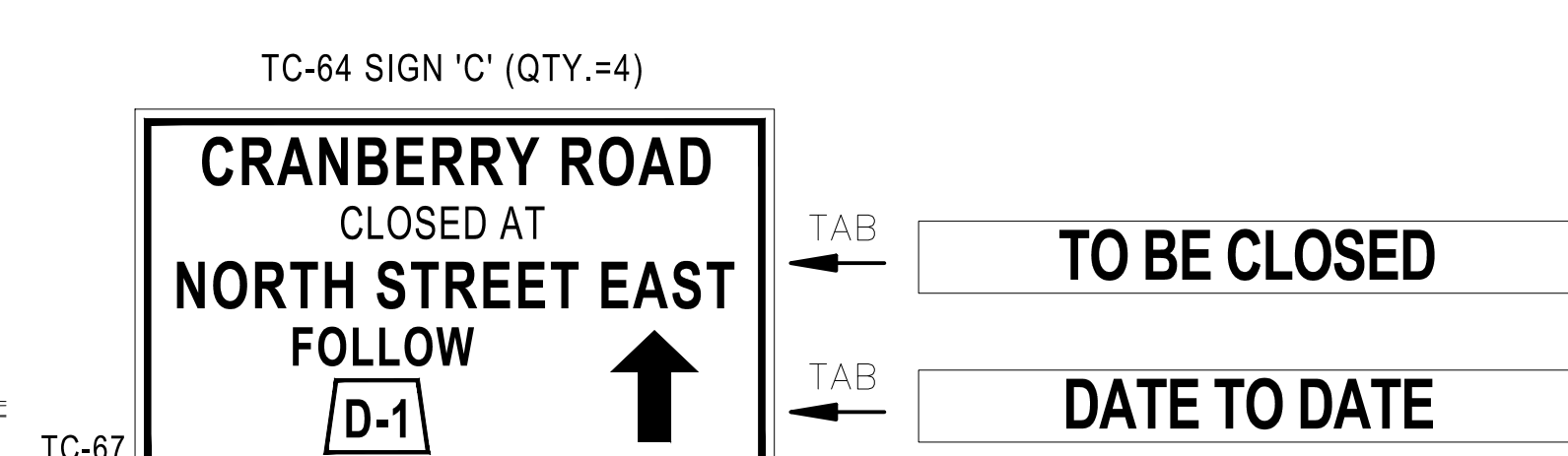
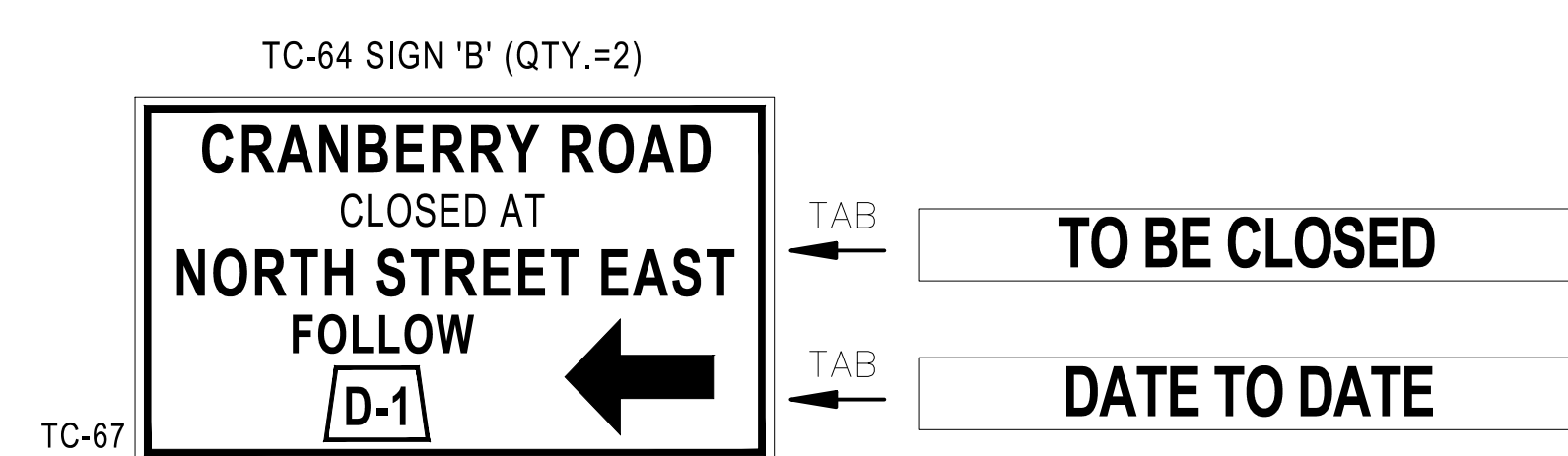
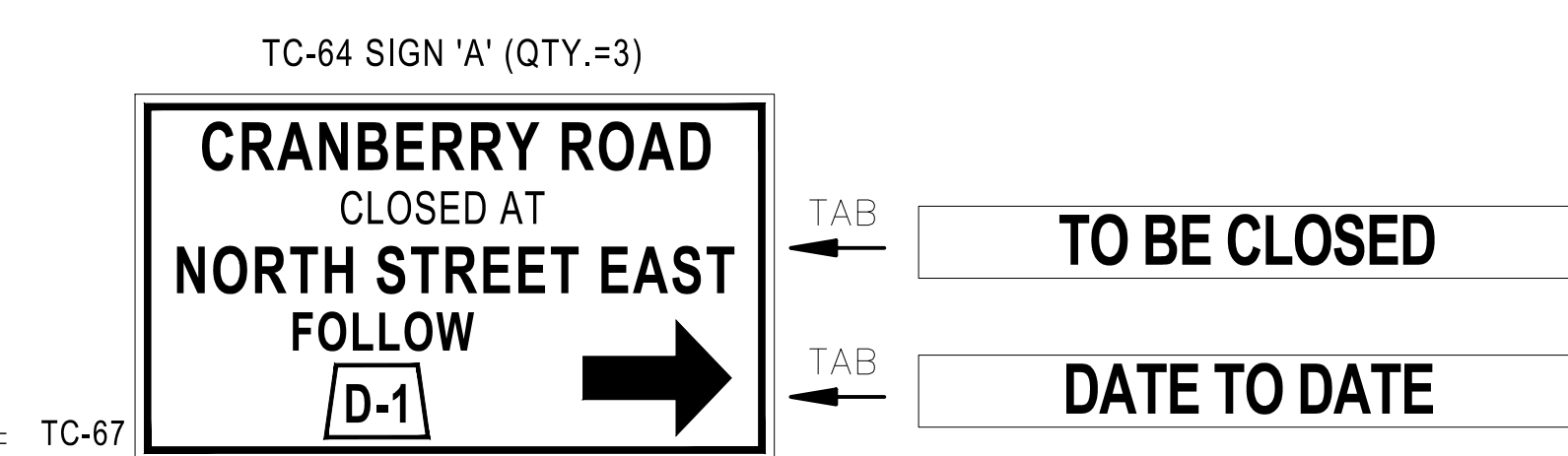
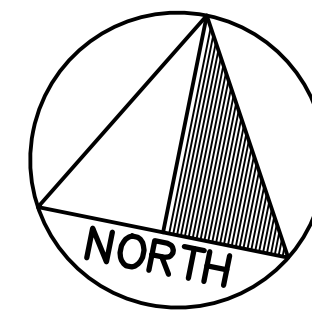
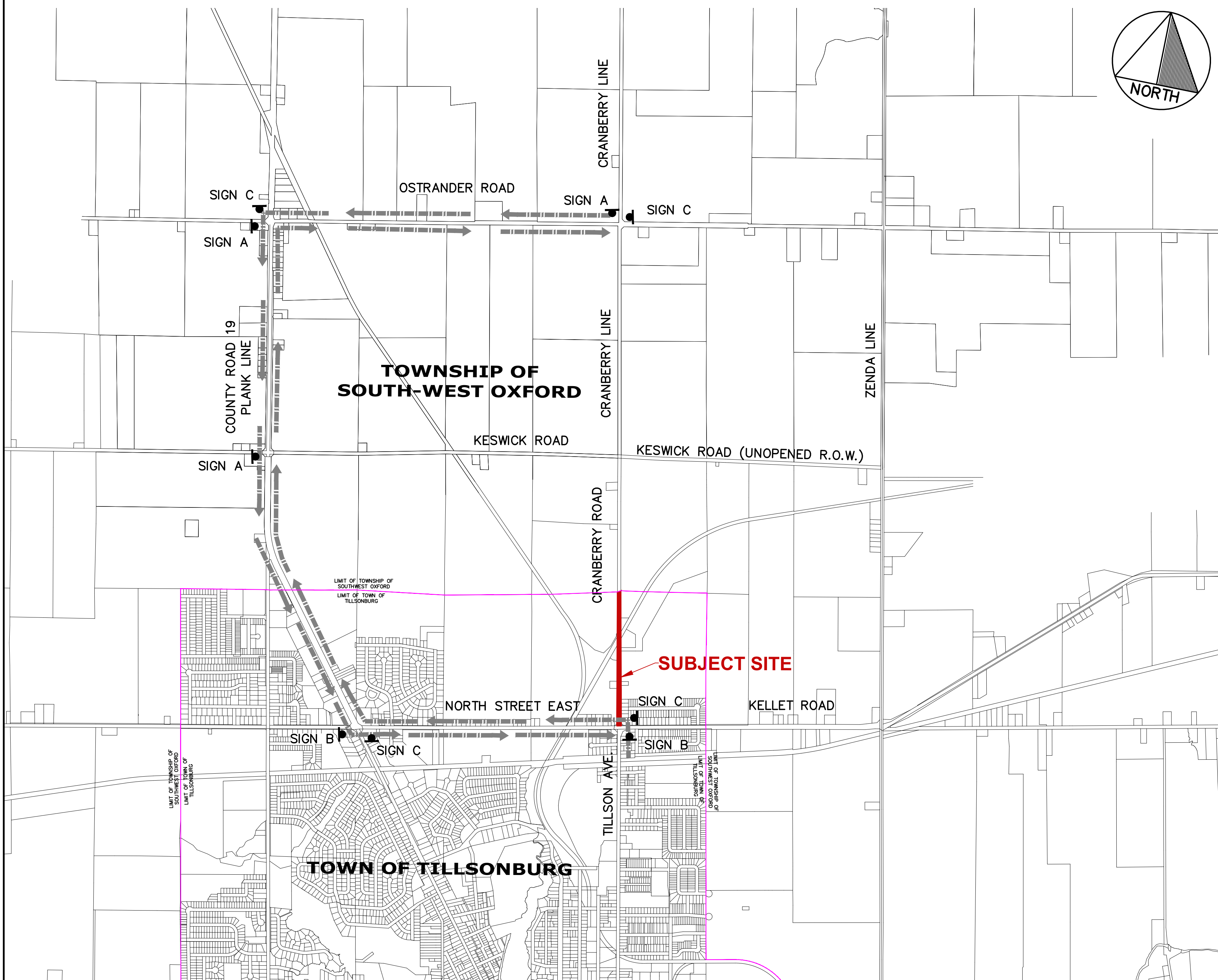
The Cranberry Road Capital Project currently underway, includes a 3.0m wide asphalt multi-use trail. A controlled Pedestrian Crossover (PXO) will be installed on Cranberry Road as part of the project (location as shown in attached drawings). This information has been brought to the Accessibility Advisory Committee for their information and feedback.

Thomas Louws, Operations Technologist, will be in attendance to provide an overview of the project and answer any questions members may have.

# CRANBERRY ROAD RECONSTRUCTION

## RFT20XX-XXX

### TOWN OF TILLSONBURG



#### TRAFFIC CONTROL NOTES

1. FULL CLOSURE OF CRANBERRY ROAD WILL BE PERMITTED IN ACCORDANCE WITH THE KEY PLAN/DETOUR FIGURE ON THIS DRAWING AND THE NOTES AND DETAILS ON REMOVALS PLAN.
2. THE CONTRACTOR SHALL PROVIDE TWO WEEKS (10 BUSINESS DAYS) NOTICE TO THE ENGINEER, PRIOR TO CLOSING THE ROAD TO THROUGH TRAFFIC.
3. NOTICE OF ROAD CLOSURE SIGNS A, B AND C (THIS SHEET) SHALL BE POSTED MINIMUM TWO WEEKS (10 BUSINESS DAYS) PRIOR TO CLOSING THE ROAD.
4. A MAXIMUM WINDOW OF 90 WORKING DAYS WILL BE PROVIDED FOR FULL ROAD CLOSURE TO THROUGH TRAFFIC.
5. TRAFFIC CONTROL/SIGNAGE SHALL BE IN ACCORDANCE WITH BOOK 7 - TEMPORARY CONDITIONS, ONTARIO TRAFFIC MANUAL. DETOUR ROUTE SIGNAGE SHALL BE CHECKED AT MINIMUM TWICE DAILY BY THE CONTRACTOR. ONCE IN MORNING AND ONCE AT THE END OF EACH WORKING DAY(MIN).
6. A DETAILED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL 10 BUSINESS DAYS PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL CONTROL DUST AND MAINTAIN GRAVEL SURFACES UNTIL SURFACE RESTORATION IS COMPLETED. PAVED AREAS SHALL BE SWEEP AS REQUIRED DURING AND UPON COMPLETION OF THE PROJECT.

#### SCOPE OF WORK

- CRANBERRY ROAD - FROM NORTH STREET EAST TO TOWN LIMITS
- CORRUGATED METAL ARCH CULVERT EXTENSION
  - INSTALLATION OF WATERMAIN, SANITARY AND STORM SEWERS AND APPLICABLE SERVICES.
  - RESTORATION AND ROADWORKS

LIST OF DRAWINGS	
DWG#	DESCRIPTION
1	COVER PAGE AND DETOUR PLAN
2	EXTERNAL STORM DRAINAGE AREAS
3	STORM DRAINAGE SYSTEM AND AREAS
4	EXTERNAL SANITARY DRAINAGE AREAS
5	SANITARY DRAINAGE SYSTEM AND AREAS
6	CRANBERRY ROAD - 0+070 TO 0+280
7	CRANBERRY ROAD - 0+290 TO 0+480
8	CRANBERRY ROAD - 0+490 TO 0+690
9	CRANBERRY ROAD - 0+700 TO 0+890
10	SWANCE DRAIN
11	WATERMAIN DETAILS
12	SEWER & SERVICING DETAILS
13	GENERAL NOTES & MISCELLANEOUS DETAILS
14	SECTIONS STA 0+120 TO 0+190
15	SECTIONS STA 0+200 TO 0+260
16	SECTIONS STA 0+265 TO 0+320
17	SECTIONS STA 0+330 TO 0+400
18	SECTIONS STA 0+410 TO 0+480
19	SECTIONS STA 0+490 TO 0+570
20	SECTIONS STA 0+580 TO 0+670
21	SECTIONS STA 0+680 TO 0+760
22	SECTIONS STA 0+770 TO 0+860
23	SECTIONS STA 0+870 TO 0+880
24	LINE PAINTING & SIGNAGE PLAN
25	RELOCATIONS, EROSION CONTROL & TREE PROTECTION



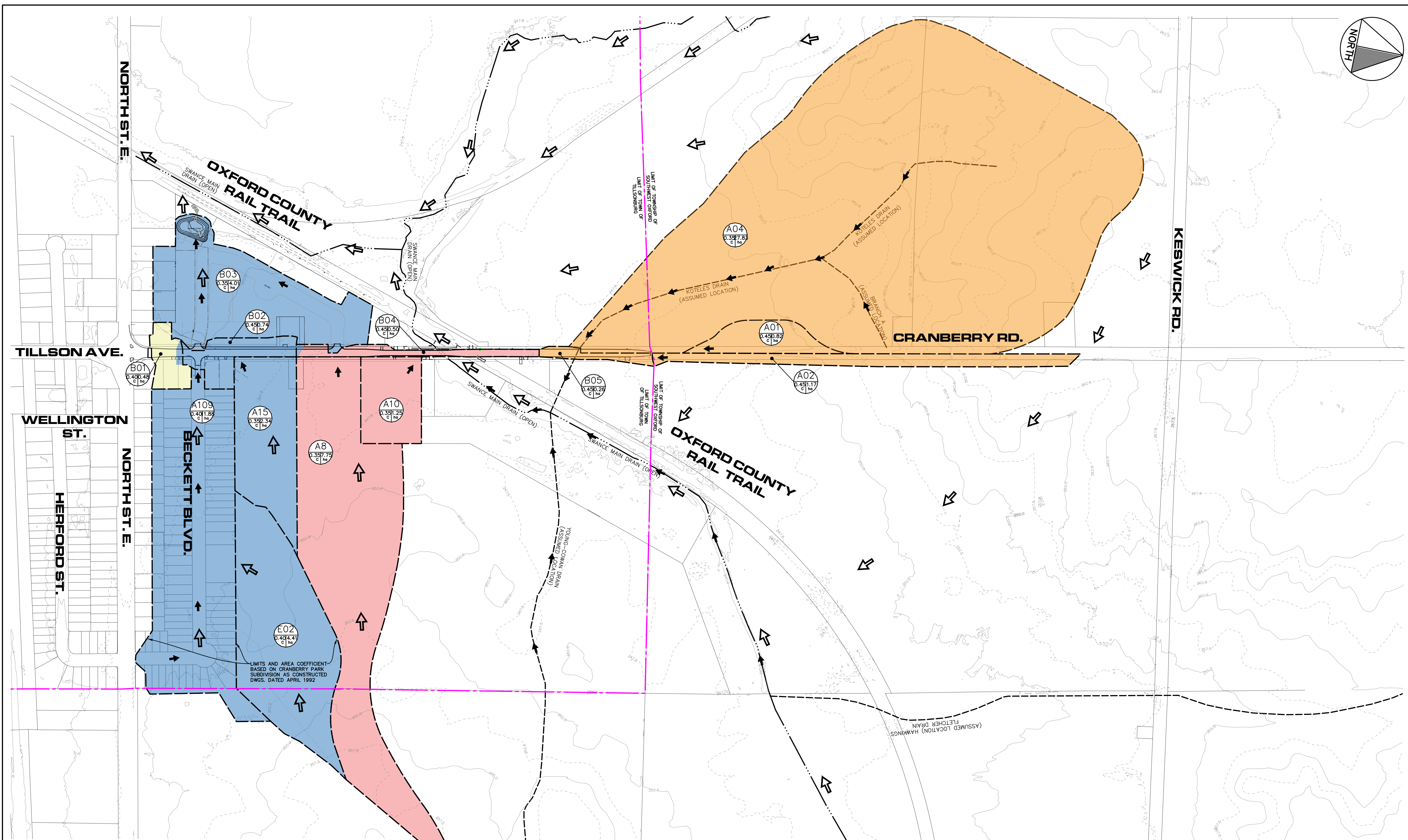
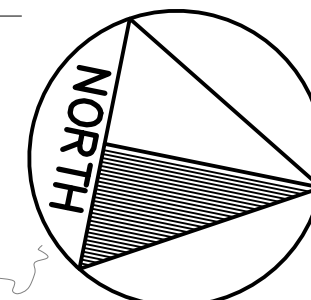
No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

**KEY PLAN / DETOUR PLAN**  
SCALE = 1:15,000

**CJDL**  
Consulting Engineers

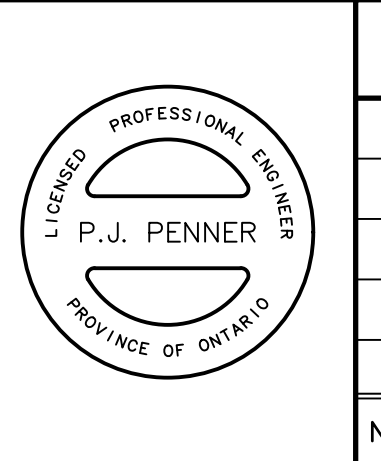
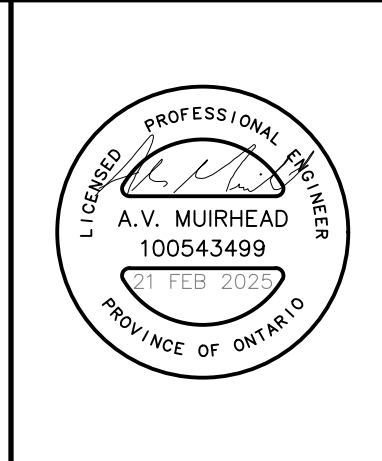
Cyril J. Demeyere Limited  
 P.O. Box 460, 251 Broadway  
 Tillsonburg, Ontario, N4G 4H8  
 Tel: 519-688-1000  
 866-302-9886  
 Fax: 519-842-3235  
 cjdl@cjdle.com





LIMITS AND AREA COEFFICIENT  
BASED ON CRANBERRY PARK  
SUBDIVISION AS CONSTRUCTED  
DWGS. DATED APRIL 1992

LEGEND	
	PROPOSED STORM MANHOLE/SEWER
	EXISTING STORM MANHOLE/SEWER
	PHASE 1 INTERNAL STORM AREA
	EXISTING EXTERNAL STORM AREA
	MAJOR OVERLAND FLOW ROUTE
	MINOR STORM SEWER FLOW ROUTE
	TRIBUTARY AREA CONTRIBUTING TO SWANCE MAIN DRAIN WEST OF CRANBERRY ROAD
	TRIBUTARY AREA CONTRIBUTING TO NORTH STREET EAST STORM SYSTEM
	TRIBUTARY AREA CONTRIBUTING TO AMBKOT CRESCENT SWM POND
	TRIBUTARY AREA CONTRIBUTING TO SWANCE DRAIN WEST OF CRANBERRY ROAD

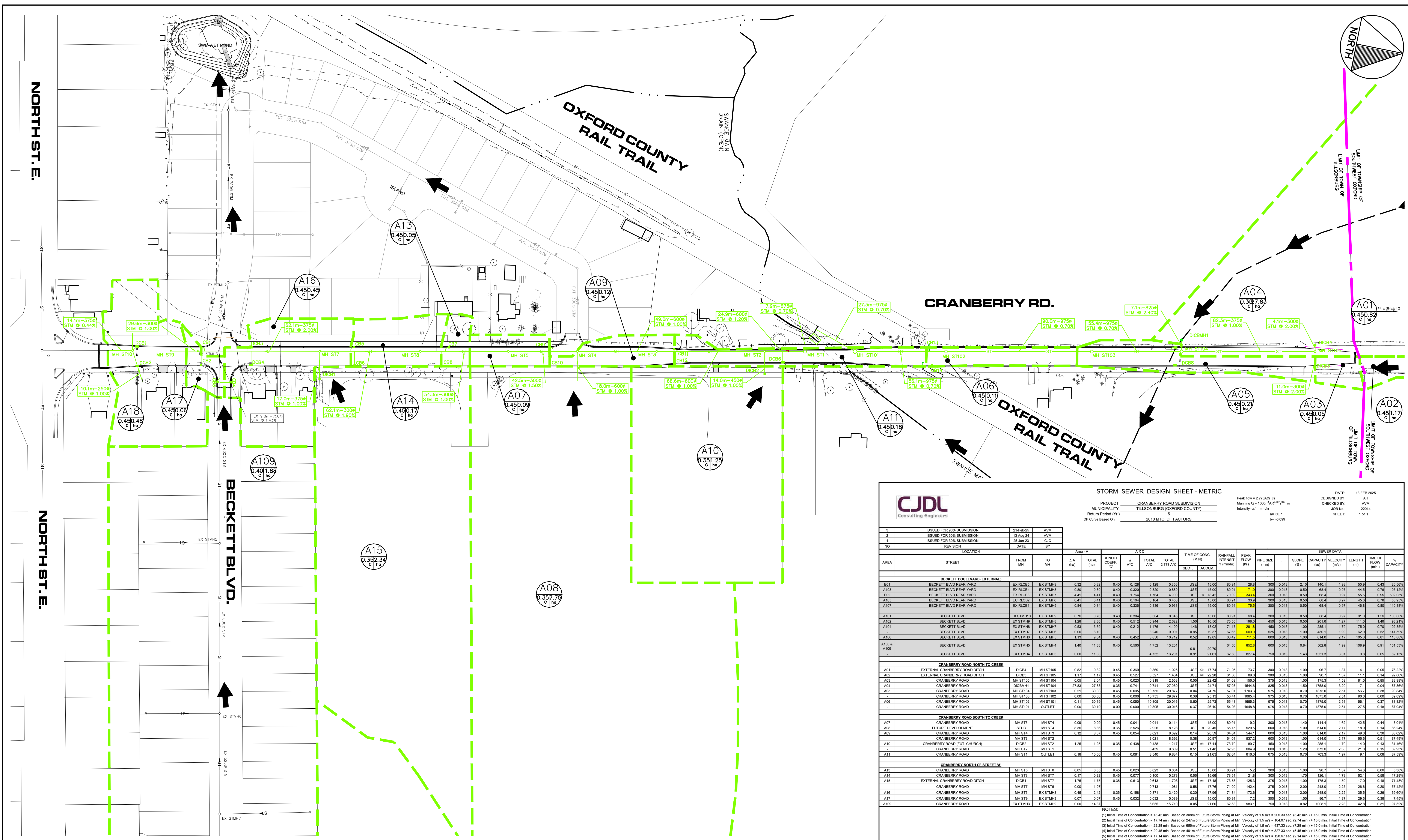


METRIC H. SCALE 1:2500

No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

<b>TOWN OF TILLSONBURG</b>		
Cyril J. Demeyere Limited P.O. Box 460, 261 Broadway Tillsonburg, Ontario, N4G 4H8 Tel: 519-688-1000 866-302-9886 Fax: 519-842-3235 cjd@cjdeng.com		
<b>CRANBERRY ROAD RECONSTRUCTION RFT20XX-XXX TOWN OF TILLSONBURG EXTERNAL STORM DRAINAGE AREAS</b>		
DESIGN BY: AVM	DRAWN BY: AK/GD	CHECKED BY: PJP
PROJECT NO. 22014	SURVEY BY: TFM	DATE: 02 AUG 2022
DRAWING No.		<b>2</b>





### STORM SEWER DESIGN SHEET - METRIC

**CJDL Consulting Engineers**

PROJECT: CRANBERRY ROAD SUBDIVISION  
MUNICIPALITY: TILLSONBURG (OXFORD COUNTY)  
Return Period (Yr.): 5  
IDF Curve Based On: 2010 MTO IDF FACTORS

Peak flow = 2.778 CFS @ Manning n = 0.015 @ 1.49 m/s  
Intensity = 2.5 mm/hr @ 0.101 CFS @ 0.003 m/s

DESIGNED BY: AH  
CHECKED BY: AVM  
JOB NO.: 22014  
SHEET: 1 of 1

DATE: 13 FEB 2025

NO	REVISION	DATE	BY	AREA		TOTAL		TOTAL		TIME OF CONC.		RAINFALL		PEAK FLOW		PIPE SIZE		SLOPE		CAPACITY		VELOCITY		LENGTH		TIME OF FLOW		% CAPACITY		
				(ha)	(ha)	(m)	(m)	(min)	(min)	(mm)	(mm)	(mm)	(%)	(mm)	(mm)	(mm)	(mm)	(min)	(min)	(min)	(min)									
<b>BECKETT BOULEVARD (EXTERNAL)</b>																														
A101	BECKETT BLVD REAR YARD	EX STMH8	EX STMH9	0.32	0.32	0.40	0.128	0.128	0.358	USE	15.00	80.91	28.8	300	0.013	2.10	140.1	1.98	80.9	0.43	20.92%									
A102	BECKETT BLVD REAR YARD	EX RLCB4	EX STMH8	0.60	0.60	0.40	0.240	0.240	0.680	USE	15.00	80.91	71.8	300	0.013	0.60	68.4	0.97	44.4	0.76	105.12%									
A103	BECKETT BLVD REAR YARD	EX RLCB3	EX STMH7	4.41	4.41	0.40	1.764	1.764	4.900	USE	11	18.42	40.0	300	0.013	0.50	68.4	0.97	55.5	0.95	802.00%									
A104	BECKETT BLVD REAR YARD	EX RLCB2	EX STMH6	0.41	0.41	0.40	0.164	0.164	0.456	USE	15.00	80.91	38.9	300	0.013	0.50	68.4	0.97	45.6	0.78	53.95%									
A105	BECKETT BLVD REAR YARD	EX RLCB1	EX STMH5	0.84	0.84	0.40	0.336	0.336	0.932	USE	15.00	80.91	79.3	300	0.013	0.50	68.4	0.97	48.8	0.80	110.38%									
A106	BECKETT BLVD	EX STMH10	EX STMH9	0.76	0.76	0.40	0.304	0.304	0.845	USE	15.00	80.91	68.4	300	0.013	0.50	68.4	0.97	91.0	1.56	100.00%									
A107	BECKETT BLVD	EX STMH9	EX STMH8	1.28	1.28	0.40	0.512	0.512	1.444	USE	15.00	80.91	188.3	450	0.013	0.60	201.6	1.27	111.5	1.46	88.21%									
A108	BECKETT BLVD	EX STMH8	EX STMH7	0.53	0.53	0.40	0.212	0.212	0.591	USE	11	17.17	29.1	450	0.013	1.00	285.1	1.79	75.0	0.70	102.30%									
A109	BECKETT BLVD	EX STMH7	EX STMH6	0.00	8.10	0.40	3.240	8.001	0.95	19.37	87.66	609.0	525	0.013	1.00	430.1	1.99	62.0	0.52	141.89%										
A109 & A108	BECKETT BLVD	EX STMH6	EX STMH5	1.13	9.54	0.40	4.552	3.896	10.712	0.52	19.89	68.42	711.3	600	0.013	1.00	614.0	2.17	105.0	0.81	115.68%									
A109	BECKETT BLVD	EX STMH4	EX STMH3	1.40	11.88	0.40	5.552	4.752	13.201	0.81	20.70	64.80	853.9	600	0.013	0.84	862.8	1.96	108.9	0.91	151.53%									
A109	BECKETT BLVD	EX STMH4	EX STMH3	0.00	11.88	0.40	4.752	13.201	0.81	20.70	64.80	853.9	600	0.013	1.43	1331.3	3.01	9.8	0.05	62.10%										
<b>CRANBERRY ROAD NORTH TO CREEK</b>																														
A01	EXTERNAL CRANBERRY ROAD DITCH	DCB04	MH ST105	0.82	0.82	0.45	0.369	0.369	1.025	USE	17	17.74	71.96	73.7	300	0.013	1.00	66.7	1.37	4.1	0.05	78.22%								
A02	EXTERNAL CRANBERRY ROAD DITCH	DCB03	MH ST105	1.17	1.17	0.45	0.527	0.527	1.484	USE	17	22.28	89.8	300	0.013	1.00	66.7	1.37	11.1	0.14	62.88%									
A03	CRANBERRY ROAD	MH ST105	MH ST104	0.05	2.04	0.45	0.023	0.919	2.553	0.05	24.71	51.00	150.3	375	0.013	1.00	175.3	1.59	81.0	0.85	89.00%									
A04	CRANBERRY ROAD	DCB04	MH ST104	27.83	27.83	0.35	9.741	9.741	27.660	USE	24	17.08	154.8	825	0.013	1.50	1758.0	3.39	7.1	0.04	87.86%									
A05	CRANBERRY ROAD	MH ST104	MH ST103	0.21	30.05	0.45	0.095	10.755	29.877	0.04	24.75	57.01	1703.3	975	0.013	0.70	1875.0	2.51	58.7	0.38	66.84%									
A06	CRANBERRY ROAD	MH ST103	MH ST102	0.00	30.08	0.45	0.000	10.755	29.877	0.38	25.13	56.41	1685.4	975	0.013	0.70	1875.0	2.51	90.0	0.90	89.89%									
A06	CRANBERRY ROAD	MH ST102	MH ST101	0.11	30.19	0.45	0.050	10.805	30.018	0.60	25.73	55.48	1655.3	975	0.013	0.70	1875.0	2.51	58.1	0.37	88.82%									
A06	CRANBERRY ROAD	MH ST101	OUTLET	0.00	30.19	0.00	0.000	10.805	30.018	0.37	26.10	54.93	1648.8	975	0.013	0.70	1875.0	2.51	27.5	0.18	87.94%									
<b>CRANBERRY ROAD SOUTH TO CREEK</b>																														
A07	CRANBERRY ROAD	MH ST5	MH ST4	0.05	0.05	0.45	0.023	0.041	0.114	USE	15.00	80.91	52	300	0.013	1.40	114.4	1.65	42.5	0.44	8.54%									
A08	FUTURE DEVELOPMENT	ST18	MH ST4	8.36	8.36	0.30	2.508	2.508	8.158	USE	15	20.45	82.0	600	0.013	1.00	614.0	2.17	15.0	0.16	82.24%									
A09	CRANBERRY ROAD	MH ST4	MH ST3	0.12	8.57	0.45	0.054	3.021	8.362	0.14	20.58	64.84	544.1	600	0.013	1.00	614.0	2.17	49.0	0.38	88.62%									
A10	CRANBERRY ROAD	MH ST3	MH ST2	1.00	1.00	0.45	0.450	0.450	1.350	USE	17	17.14	69.7	450	0.013	1.00	614.0	2.17	66.6	0.51	87.62%									
A10	CRANBERRY ROAD (FUT. CHURCH)	DCB2	MH ST2	1.20	1.20	0.30	0.450	0.450	1.350	USE	17	17.14	69.7	450	0.013	1.00	614.0	2.17	66.6	0.51	87.62%									
A10	CRANBERRY ROAD	MH ST2	MH ST1	3.459	9.009	0.51	21.48	62.95	60.69	0.51	21.48	62.95	60.69	600	0.013	1.20	672.6	2.38	21.0	0.15	89.53%									
A11	CRANBERRY ROAD	MH ST1	OUTLET	0.18	10.00	0.45	0.081	3.540	9.834	0.15	21.63	62.64	816.0	675	0.013	0.70	703.3	1.97	9.1	0.08	87.59%									
<b>CRANBERRY NORTH OF STREET 'A'</b>																														
A13	CRANBERRY ROAD	MH ST5	MH ST8	0.05	0.05	0.45	0.023	0.023	0.064	USE	15.00	80.91	5.2	300	0.013	1.00	66.7	1.37	54.3	0.66	5.38%									
A14	CRANBERRY ROAD	MH ST8	MH ST7	0.17	0.23	0.45	0.077	0.100	0.278	0.06	15.68	31.5	21.8	300	0.013	1.70	126.1	1.78	65.1	0.58	17.29%									
A15	EXTERNAL CRANBERRY ROAD DITCH	DCB1	MH ST7	1.75	1.75	0.35	0.613	0.613	1.703	USE	17	17.18	75.8	125.3	300	0.013	1.00	175.3	1.59	17.0	0.15	71.43%								
A16	CRANBERRY ROAD	MH ST7	MH ST6	0.00	1.97	0.58	0.117	1.981	0.58	17.76	71.90	142.4	375	0.013	2.00	248.0	2.25	26.6	0.20	57.42%										
A16	CRANBERRY ROAD	MH ST6	EX STMH3	0.45	2.42	0.35	0.158	0.871	2.420	0.20	17.98	71.34	172.8	375	0.013	2.00	248.0	2.25	35.5	0.26	69.62%									
A17	CRANBERRY ROAD	MH ST3	EX STMH3	0.07	0.07	0.45	0.032	0.032	0.096	USE	15.00	80.91	7.2	300	0.013	1.00	66.7	1.37	29.8	0.38	7.45%									
A108	CRANBERRY ROAD	EX STMH3	EX STMH2	0.00	14.37	0.00	0.000	5.655	15.710	0.05	21.66	62.58	983.1	750	0.013	0.82	1006.1	2.28	42.8	0.31	97.52%									

**NOTES:**  
(1) Initial Time of Concentration = 18.42 min. Based on 300m of Future Storm Piping at Min. Velocity of 1.5 m/s = 205.33 sec. (3.42 min.) + 15.0 min. Initial Time of Concentration  
(2) Initial Time of Concentration = 17.74 min. Based on 247m of Future Storm Piping at Min. Velocity of 1.5 m/s = 164.87 sec. (2.74 min.) + 15.0 min. Initial Time of Concentration  
(3) Initial Time of Concentration = 22.28 min. Based on 656m of Future Storm Piping at Min. Velocity of 1.5 m/s = 437.33 sec. (7.28 min.) + 15.0 min. Initial Time of Concentration  
(4) Initial Time of Concentration = 20.45 min. Based on 491m of Future Storm Piping at Min. Velocity of 1.5 m/s = 327.33 sec. (5.45 min.) + 15.0 min. Initial Time of Concentration  
(5) Initial Time of Concentration = 17.14 min. Based on 170m of Future Storm Piping at Min. Velocity of 1.5 m/s = 138.87 sec. (2.14 min.) + 15.0 min. Initial Time of Concentration  
(6) Initial Time of Concentration = 17.18 min. Based on 160m of Future Storm Piping at Min. Velocity of 1.5 m/s = 130.87 sec. (2.18 min.) + 15.0 min. Initial Time of Concentration

### LEGEND

- ST - PROPOSED STORM MANHOLE/SEWER
- ST - EXISTING STORM MANHOLE/SEWER
- - PHASE 1 INTERNAL STORM AREA
- - EXISTING EXTERNAL STORM AREA
- - MAJOR OVERLAND FLOW ROUTE
- - MINOR STORM SEWER FLOW ROUTE

**PROPOSED TRIBUTARY AREA**

A11 0.450.29 C ha

AREA NUMBER

AREA IN HECTARES

RUN-OFF COEFFICIENT

**EXISTING TRIBUTARY AREA**

A11 0.351.25 C ha

AREA NUMBER

AREA IN HECTARES

RUN-OFF COEFFICIENT

METRIC H. SCALE 1:1500

**TOWN OF TILLSONBURG**

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**CJDL**  
Consulting Engineers

**CRANBERRY ROAD RECONSTRUCTION  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
STORM DRAINAGE  
SYSTEM AND AREAS**

No.	REVISION	DATE	BY	PROJECT NO.	SURVEY BY:	DATE:	DRAWING No.
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM				
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM				
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC				

DESIGN BY: AVM

DRAWN BY: AK/GD

CHECKED BY: PJP

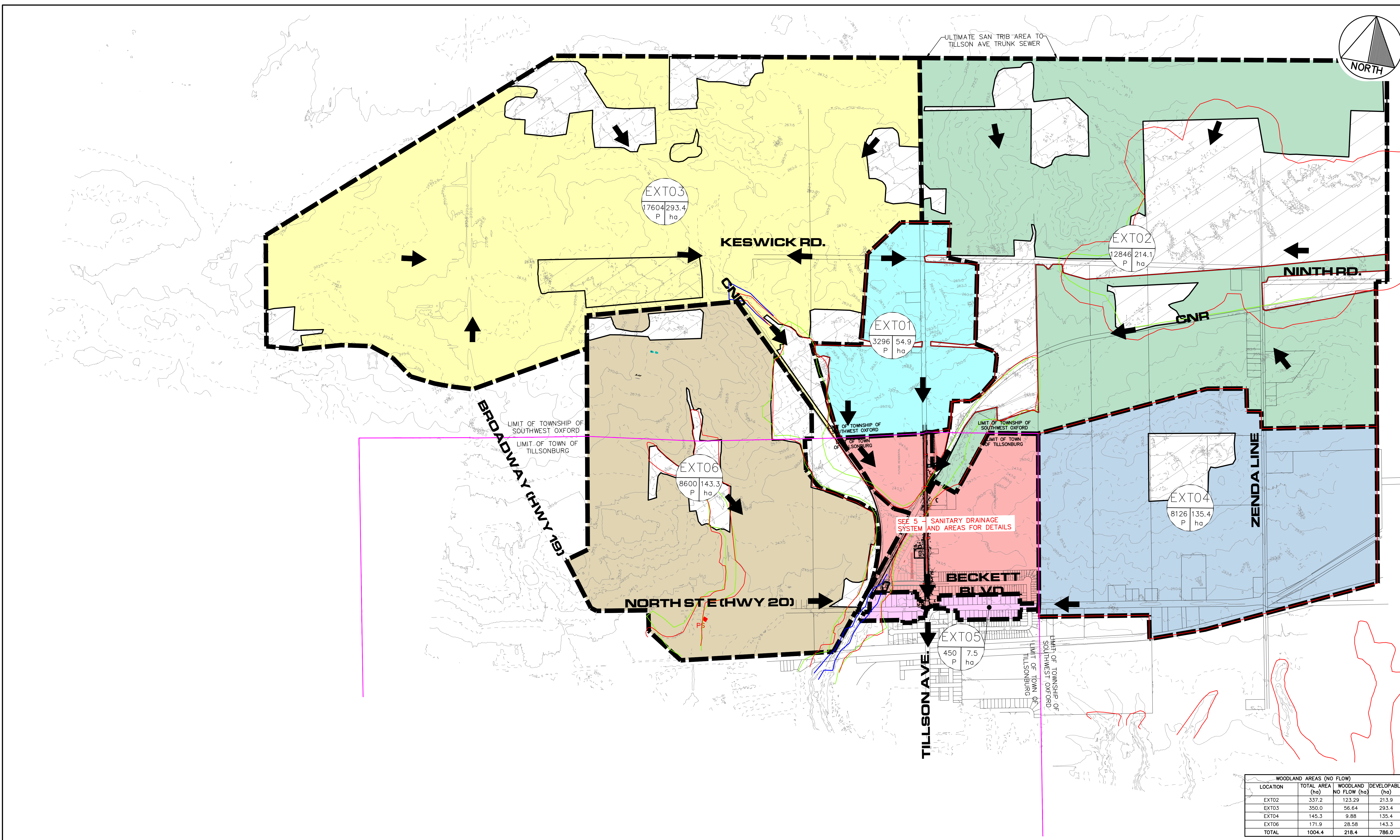
PROJECT NO. 22014

SURVEY BY: TPM

DATE: 02 AUG 2022

DRAWING No. **3**





WOODLAND AREAS (NO FLOW)			
LOCATION	TOTAL AREA (ha)	WOODLAND NO FLOW (ha)	DEVELOPABLE (ha)
EXT02	337.2	123.29	213.9
EXT03	350.0	56.64	293.4
EXT04	145.3	9.88	135.4
EXT06	171.9	28.58	143.3
<b>TOTAL</b>	<b>1004.4</b>	<b>218.4</b>	<b>786.0</b>

**LEGEND**

- FUTURE SANITARY MANHOLE/SEWER
- EXISTING SANITARY MANHOLE/SEWER
- PROPOSED SANITARY MANHOLE/SEWER
- DIRECTION SANITARY SEWER FLOW
- REGULATORY FLOOD AND FILL LINES
- 30m SETBACK
- LPRCA REGULATION LIMITS

10

- TRIBUTARY AREA NUMBER
- TRIBUTARY AREA IN HECTARES
- TRIBUTARY POPULATION
- WOODLAND AREAS (NO SANITARY FLOW)

- PROPOSED AREA SANITARY CONNECTED TO CRANBERRY RD. (3918P 65.3ha)
- EXT 01 SANITARY SEWER ABLE TO CONNECT TO CRANBERRY RD. (3296P 54.9ha)
- EXT 02 SANITARY SEWER ABLE TO CONNECT TO CRANBERRY RD. (1284P 213.9ha)
- EXT 03 SANITARY SEWER ABLE TO CONNECT TO CRANBERRY RD. (17604P 293.4ha)
- EXT 04 SANITARY SEWER ABLE TO CONNECT TO NORTH ST. (8126P 135.4ha)
- EXT 05 SANITARY SEWER CONNECTED TO NORTH ST. (450P 7.5ha)
- EXT 06 SANITARY SEWER ABLE TO CONNECT TO NORTH ST. (8600P 143.3ha)

METRIC H. SCALE 1:7500

No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

**TOWN OF TILLSONBURG**

**CJDL**  
Consulting Engineers

Cyril J. Demeyere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-688-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cjdeng.com

**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
**TOWN OF TILLSONBURG**  
**EXTERNAL SANITARY DRAINAGE AREAS**

DESIGN BY: AVM    DRAWN BY: AK/GD    CHECKED BY: PJP  
SURVEY BY: TFM    DATE: 02 AUG 2022

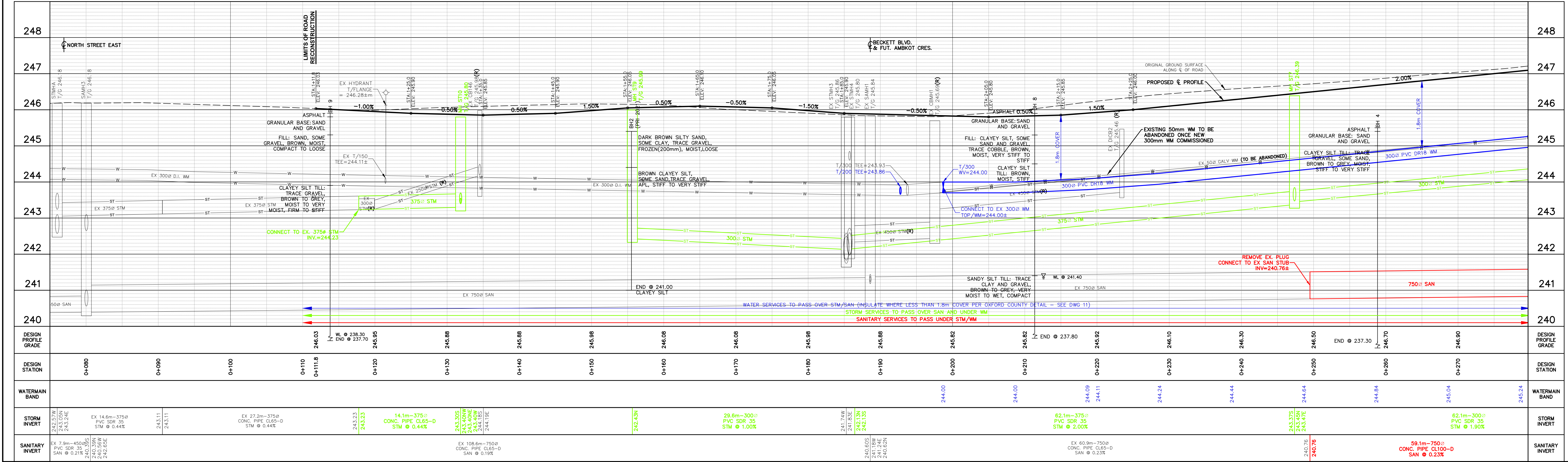
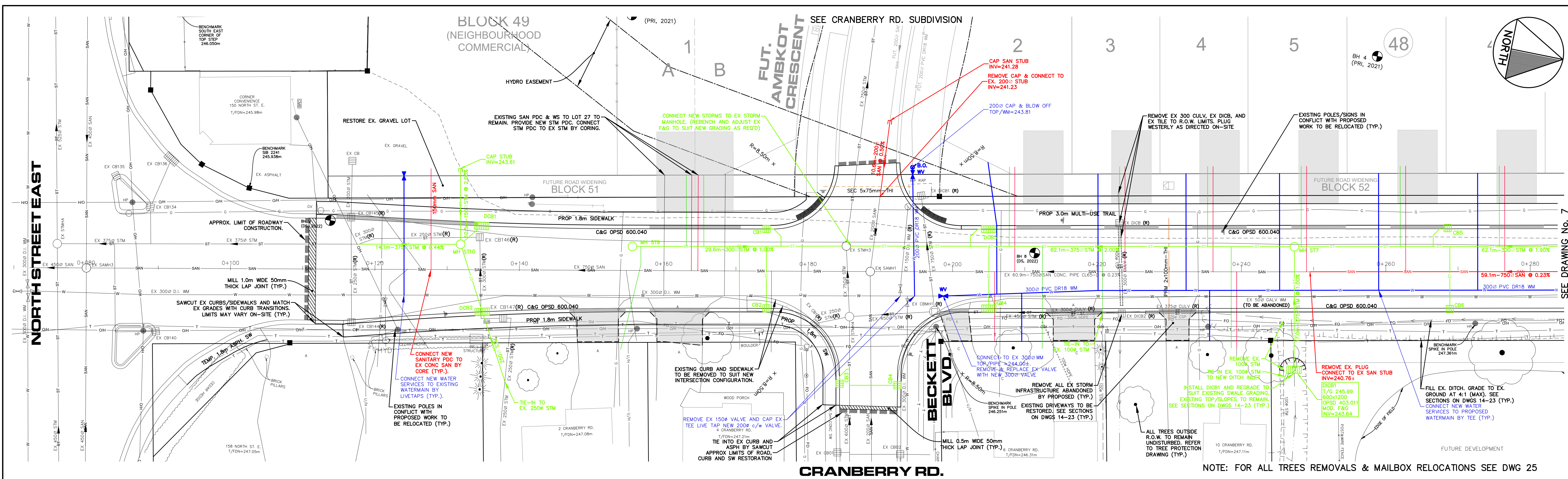
PROJECT NO. 22014    DRAWING No. **4**

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**LEGEND**

- PROPOSED, EXISTING SANITARY MANHOLE
- PROPOSED, EXISTING STORM MANHOLE
- PROPOSED, EXISTING CATCHBASIN
- PROPOSED HYDRANT, WATER VALVE, BLOW OFF
- EXISTING TREE, PROPOSED TREES, TREE TO BE REMOVED
- PROPOSED SURFACE DRAINAGE, EXISTING
- ORIGINAL CONTOURS PRIOR TO CONSTRUCTION (MAY NOT BE VALID NOW)
- PROPOSED SWALE, EXISTING (1.5m FROM PROPERTY LINE TYPICAL)
- WELL, MONITORING WELL/BOREHOLE
- PROPOSED STREET LIGHT, TRANSFORMER, POLE
- EX. HYDRO POLE AND ANCHOR, EX. STREETLIGHT
- MAJOR FLOW ROUTE
- PROPOSED DRIVEWAYS
- TACTILE PLATES
- TELEPHONE & CABLE TV PEDESTALS
- COMMUNITY MAIL BOX

**TOWN OF TILLSONBURG**

**CJDL Consulting Engineers**

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 Tillsonburg, Ontario, N4G 4H8  
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 866-302-9886  
 Fax: 519-842-3235  
 cjdl@cjdleng.com

**CRANBERRY ROAD RECONSTRUCTION**  
 RFT20XX-XXX  
 TOWN OF TILLSONBURG  
 CRANBERRY ROAD  
 0+070 TO 0+280

No.	REVISION	DATE	BY	PROJECT NO. 22014	SURVEY BY: TFM	DATE: 02 AUG 2022	DRAWING No.
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM				
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM				
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC				

DESIGN PROFILE GRADE

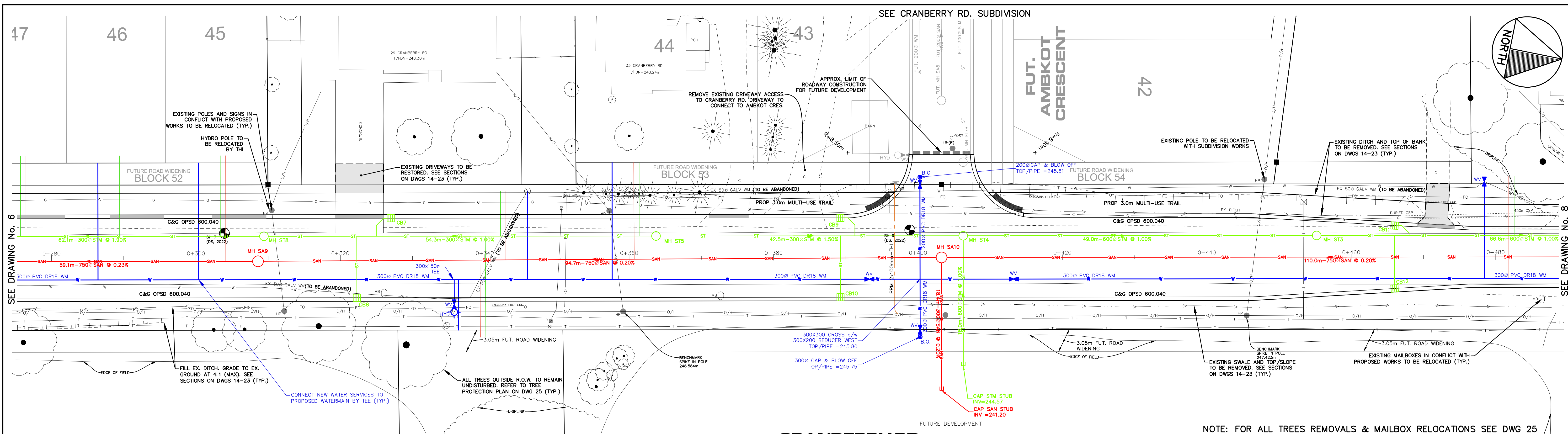
DESIGN STATION

WATERMAIN BAND

STORM INVERT

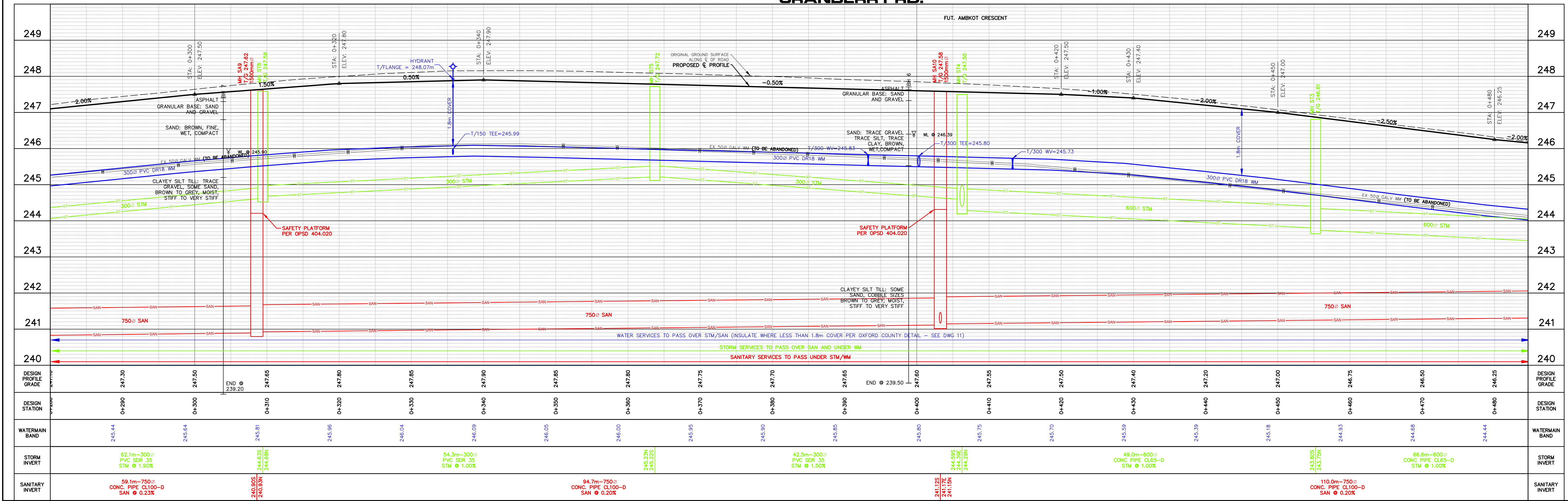
SANITARY INVERT





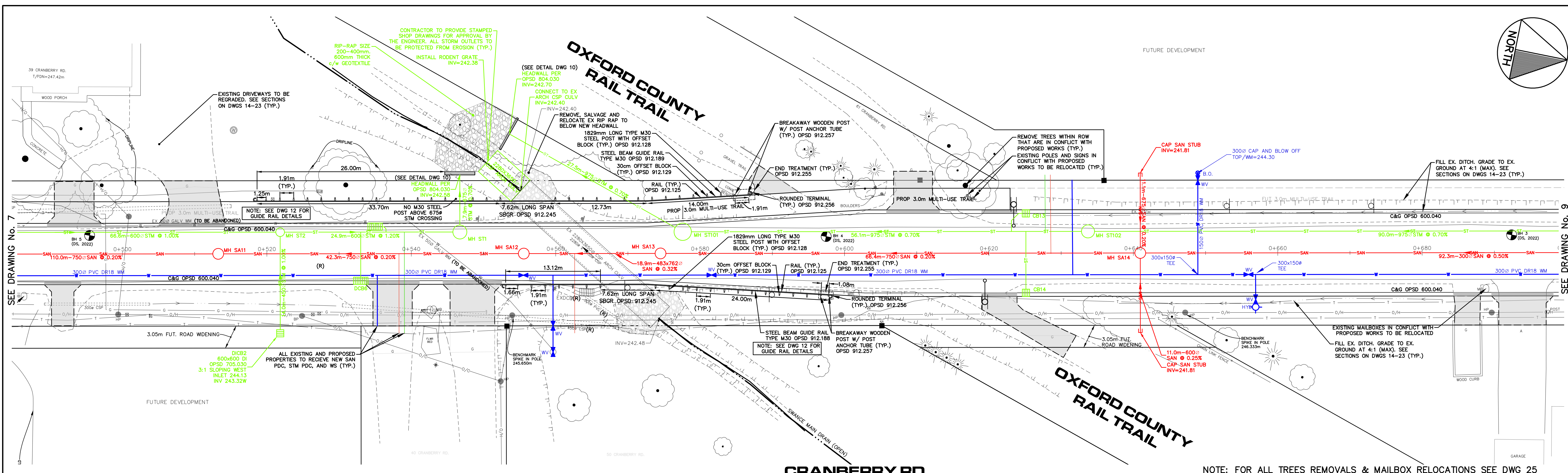
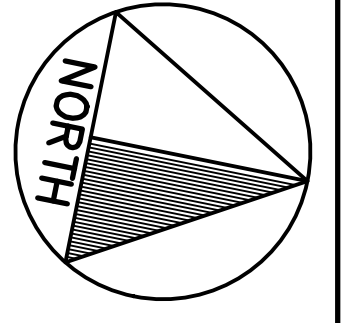
**CRANBERRY RD.**

NOTE: FOR ALL TREES REMOVALS & MAILBOX RELOCATIONS SEE DWG 25



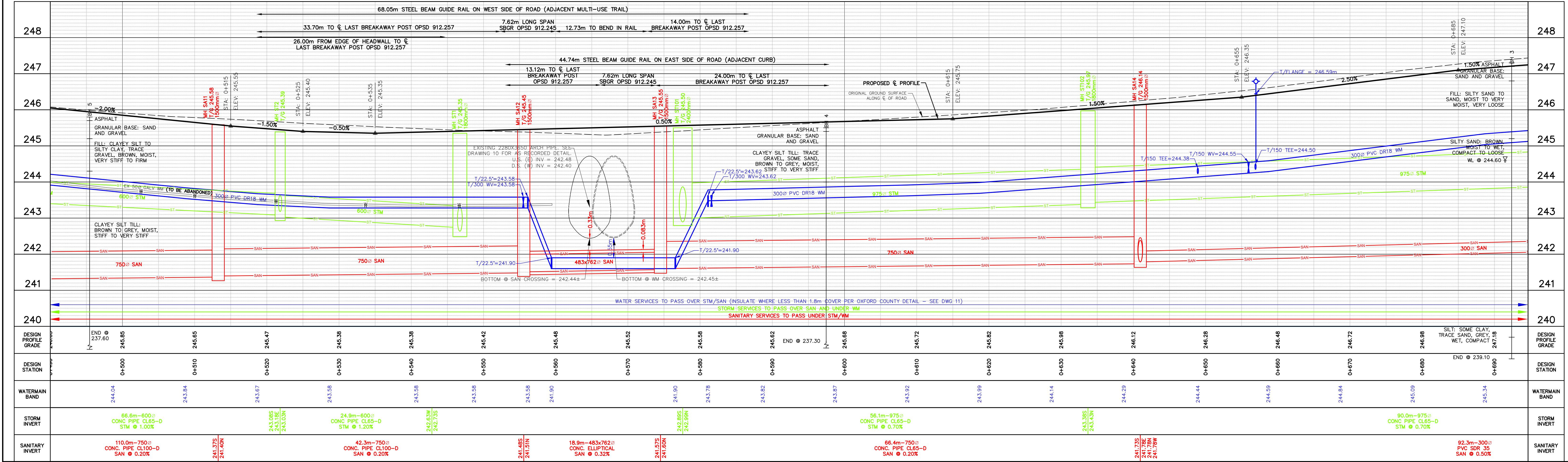
<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>— SAN — PROPOSED SANITARY SEWER</li> <li>— SAN — EXISTING SANITARY SEWER</li> <li>— ST — PROPOSED STORM SEWER</li> <li>— ST — EXISTING STORM SEWER</li> <li>— W — PROPOSED WATERMAIN</li> <li>— W — EXISTING WATERMAIN</li> <li>6 LOT NUMBER</li> </ul>	<ul style="list-style-type: none"> <li>○ PROPOSED, EXISTING SANITARY MANHOLE</li> <li>○ PROPOSED, EXISTING STORM MANHOLE</li> <li>□ PROPOSED EXISTING CATCHBASIN</li> <li>○ HYD. W/ VALVE, BLOW OFF</li> <li>○ EXISTING TREE, PROPOSED TREES, TREE TO BE REMOVED</li> <li>○ PROPOSED SURFACE DRAINAGE, EXISTING</li> <li>○ ORIGINAL CONTOURS PRIOR TO CONSTRUCTION (MAY NOT BE VALID NOW)</li> <li>○ PROPOSED SWALE, EXISTING (1.5m FROM PROPERTY LINE TYPICAL)</li> </ul>	<ul style="list-style-type: none"> <li>○ WELL, MONITORING WELL/BOREHOLE</li> <li>○ PROPOSED STREET LIGHT, TRANSFORMER, POLE</li> <li>○ EX. HYDRO POLE AND ANCHOR, EX. STREETLIGHT</li> <li>→ MAJOR FLOW ROUTE</li> <li>→ PROPOSED DRIVEWAYS</li> <li>○ TACTILE PLATES</li> <li>○ TELEPHONE &amp; CABLE TV PEDESTALS</li> <li>○ COMMUNITY MAIL BOX</li> </ul>	<p>H. SCALE 1:250 V. SCALE 1:50</p>	<p><b>TOWN OF TILLSONBURG</b></p> <p><b>CJDL</b> Consulting Engineers</p> <p>Cyril J. Demeyere Limited P.O. Box 460, 261 Broadway Tillsonburg, Ontario, N4G 4H8 Tel: 519-688-1000 866-302-9886 Fax: 519-842-3235 cjd@cjdeng.com</p>	<p><b>CRANBERRY ROAD RECONSTRUCTION</b> RFT20XX-XXX TOWN OF TILLSONBURG <b>CRANBERRY ROAD</b> 0+290 TO 0+480</p>





**CRANBERRY RD.**

NOTE: FOR ALL TREES REMOVALS & MAILOX RELOCATIONS SEE DWG 25



DESIGN PROFILE GRADE	DESIGN STATION	WATERMAIN BAND	STORM INVERT	SANITARY INVERT	DESIGN PROFILE GRADE	DESIGN STATION	WATERMAIN BAND	STORM INVERT	SANITARY INVERT
END @ 237.60	0+500	244.04	66.6m-600 CONG PIPE CL65-D STM @ 1.00%	110.0m-750 CONG PIPE CL100-D SAN @ 0.20%	248	0+690	246.65	90.0m-975 CONG PIPE CL65-D STM @ 0.70%	92.3m-300 PVC SDR 35 SAN @ 0.50%

**LEGEND**

- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER
- FUTURE SANITARY SEWER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- FUTURE STORM SEWER
- PROPOSED WATERMAIN
- EXISTING WATERMAIN
- FUTURE WATERMAIN
- LOT NUMBER
- PROPOSED, EXISTING
- PROPOSED, EXISTING SANITARY MANHOLE
- PROPOSED, EXISTING CATCHBASIN
- PROPOSED HYDRANT, WATER VALVE, BLOW OFF
- EXISTING TREE, PROPOSED TREES, TREE TO BE REMOVED
- PROPOSED SURFACE DRAINAGE, EXISTING ORIGINAL CONTOURS PRIOR TO CONSTRUCTION (MAY NOT BE VALID NOW)
- PROPOSED SWALE, EXISTING (1.5m FROM PROPERTY LINE TYPICAL)
- WELL, MONITORING WELL/BOREHOLE
- PROPOSED STREET LIGHT, TRANSFORMER, POLE
- EX. HYDRO POLE AND ANCHOR, EX. STREETLIGHT
- MAJOR FLOW ROUTE
- PROPOSED DRIVEWAYS
- TACTILE PLATES
- TELEPHONE & CABLE TV PEDESTALS
- COMMUNITY MAIL BOX

H. SCALE 1:250 V. SCALE 1:50

**TOWN OF TILLSONBURG**

**CJDJL Consulting Engineers**

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P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H9  
Tel: 519-686-1000  
866-302-9886  
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cjd@cjdjeng.com

**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
CRANBERRY ROAD  
0+490 TO 0+690

3 ISSUED FOR 90% SUBMISSION 21 FEB 2025 AVM  
2 ISSUED FOR 60% SUBMISSION 13 AUG 2024 AVM  
1 ISSUED FOR 30% SUBMISSION 25 JAN 2023 CJC

DESIGN BY: AVM DRAWN BY: AK/GD CHECKED BY: PJP  
PROJECT NO. 22014 SURVEY BY: TFM DATE: 02 AUG 2022

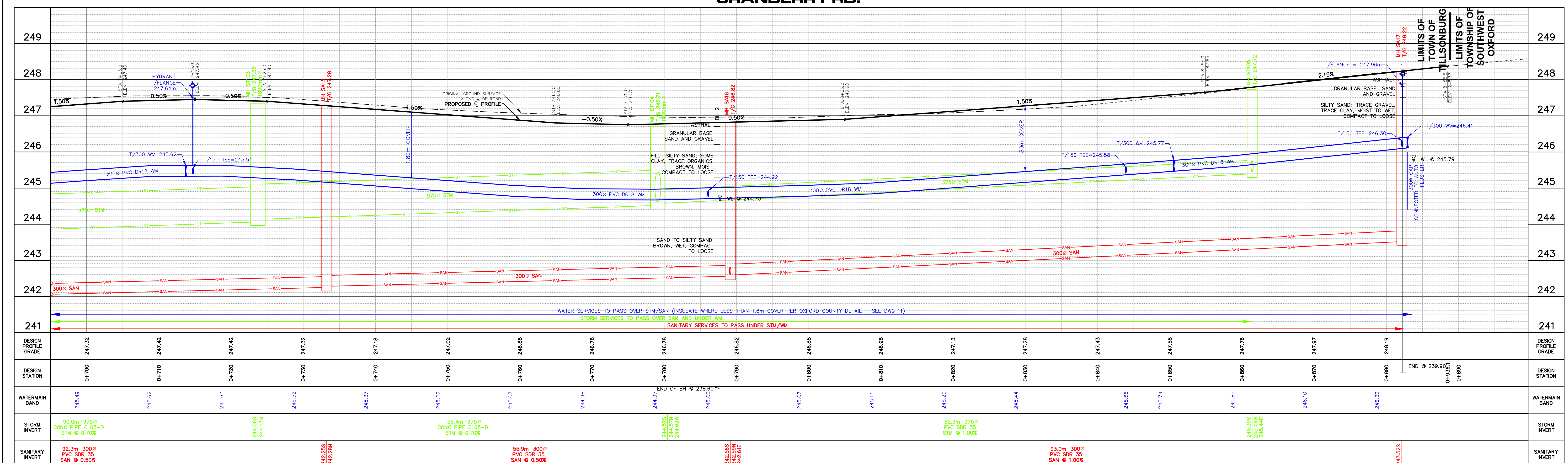
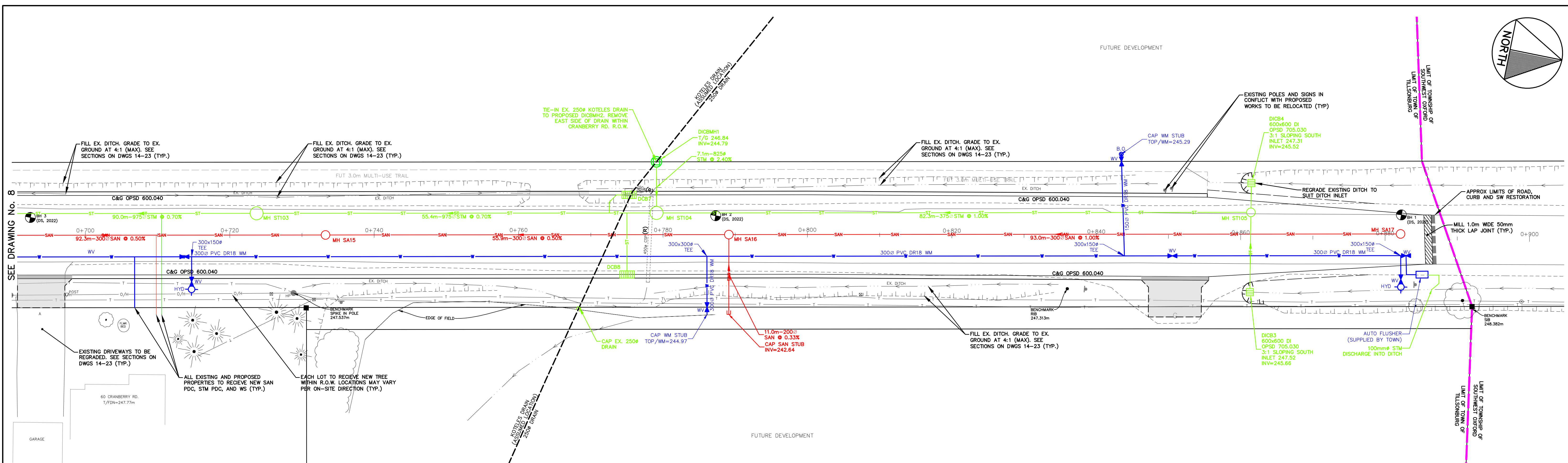
No. REVISION DATE BY

PROFESSIONAL ENGINEER  
A.V. MURHEAD  
100543499  
01 FEB 2025  
PROVINCE OF ONTARIO

PROFESSIONAL ENGINEER  
P.J. PENNER  
01 FEB 2025  
PROVINCE OF ONTARIO

8





**LEGEND**

- PROPOSED, EXISTING SANITARY MANHOLE
- PROPOSED, EXISTING STORM MANHOLE
- PROPOSED, EXISTING STORM CHASIN
- PROPOSED HYDRANT, WATER VALVE, BLOW OFF
- EXISTING TREE, PROPOSED TREES, TREE TO BE REMOVED
- PROPOSED SURFACE DRAINAGE, EXISTING
- ORIGINAL CONTOURS PRIOR TO CONSTRUCTION (MAY NOT BE VALID NOW)
- PROPOSED SWALE, EXISTING (1.5m FROM PROPERTY LINE TYPICAL)
- WELL, MONITORING WELL, BOREHOLE
- PROPOSED STREET LIGHT, TRANSFORMER, POLE
- EX. HYDRO POLE AND ANCHOR, EX. STREETLIGHT
- MAJOR FLOW ROUTE
- PROPOSED DRIVEWAYS
- TACTILE PLATES
- TELEPHONE & CABLE TV PEDESTALS
- COMMUNITY MAIL BOX

H. SCALE 1:250 V. SCALE 1:50

**TOWN OF TILLSONBURG**

**CJDL Consulting Engineers**

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cjd@cjdle.com

**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
CRANBERRY ROAD  
0+700 TO 0+890

3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

DESIGN BY: AVM DRAWN BY: AK/GD CHECKED BY: PJP  
PROJECT NO. 22014 SURVEY BY: TFM DATE: 02 AUG 2022

DRAWING No. **9**







**WATERMANS (MODIFIED TSD-1300)**

- CONTRACTOR SHALL INFORM THE TOWN OF TILLSBURG WATER/WASTEWATER DEPARTMENT A MINIMUM OF 72 HOURS IN ADVANCE OF THEIR INTENTIONS TO PERFORM WORK ON WATER INFRASTRUCTURE.
- OPERATION OF HYDRANTS AND VALVES ON THE POTABLE WATER SYSTEM BY OTHER THAN QUALIFIED WATER OPERATIONS STAFF IS PROHIBITED BY CURRENT BY-LAW. TOWN SERVICE FEES ARE PER THE CURRENT FEES BY-LAW. OXFORD COUNTY AND TOWN OF TILLSBURG WATER OPERATIONS STAFF ARE TO BE PRESENT DURING THE SWABBING, PRESSURE TESTING, CHLORINATION, FLUSHING, AND ALL CONNECTIONS OF WATERMANS.
- MINIMUM COVER OVER WATERMAIN IS 1.8m. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATERMAIN AND SEWERS SHALL BE 3.0m. WHERE WATERMAIN CONFLICTS WITH SEWER PIPES, DEFLECT WATERMAIN HORIZONTALLY OR VERTICALLY WHILE PROVIDING A MINIMUM OF 0.5m CLEARANCE BELOW AND 0.15m ABOVE, BETWEEN WATERMAIN AND SEWERS, MAINTAIN MINIMUM DEPTH AT ALL TIMES.
- WATERMAIN SHALL BE INSTALLED IN BEDDING AS PER OPSD 892.010 (GRANULAR 'A' EMBEDMENT MATERIAL) FOR FLEXIBLE PIPES AND OPSD 802.030 OR 802.031 CLASS 'B' (GRANULAR BEDDING MATERIAL, GRANULAR 'A' OR SELECT NATIVE COVER MATERIAL) FOR RIGID PIPE UNLESS OTHERWISE APPROVED BY TOWN ENGINEERING. ALTERNATIVE EMBEDMENT MATERIAL - SAN MEETING GRADATION REQUIREMENTS OF OPSD, MUNI 1004.05.07 COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY IS PERMISSIBLE WHERE NOTED IN STANDARD DETAILS.
- COPPER WATERMANS AND SERVICES 25mm TO 50mm IN DIAMETER SHALL BE EMBEDDED IN SAND 100mm ABOVE AND BELOW TO CONFORM TO OPSD MUNI 1004.05.07. COPPER WATERMANS ARE NOT PERMITTED IN NEW CONSTRUCTION AS PER OXFORD COUNTY DESIGN GUIDELINES AND SPECIFICATIONS.
- MECHANICAL RESTRAINTS WILL BE REQUIRED ON ALL HYDRANTS, THRUST BLOCKS, PER OPSD 1103.010 AND 1103.020 MAY BE REQUIRED IN ADDITION TO STANDARD MECHANICAL RESTRAINTS WHERE SOIL CONDITIONS WARRANT AT THE TOWN'S DIRECTION.
- NEW WATERMANS TO BE PVC DR18 CL235 MINIMUM; DUCTILE IRON CEMENT MORTAR LINED CL52 AS PER THE OXFORD COUNTY DESIGN GUIDELINES AND SPECIFICATIONS.
- TRACING WIRE SHALL BE #12 AWG HIGH STRENGTH COPPER CLAD (HS-CSS) AND SHALL BE INSTALLED ON THE TOTAL LENGTH OF ALL WATERMAIN AND BROUGHT UP AT EACH HYDRANT AND CONNECTED TO FLANGE BOLT. ALL SPLICES TO UTILIZE CONNECTORS AS PER OXFORD COUNTY DESIGN GUIDELINES AND SPECIFICATIONS.
- ALL WATER SERVICES SHALL BE 25mm CROSS-LINKED POLYETHYLENE OR 25mm HIGH DENSITY POLYETHYLENE (HDPE) UNLESS OTHERWISE APPROVED BY THE TOWN ENGINEERING DEPARTMENT. WATER SERVICE SADDLES SHALL BE USED WHEN TAPPING INTO PVC WATERMAIN.
- SERVICE TAPPINGS SHALL BE PLACED AT A MINIMUM SEPARATION OF 1.0m AND A MINIMUM OF 0.6m FROM JOINTS (END OF PIPE).
- RISER PIPES ARE TO BE INSTALLED AS PER TSD-1340, AND REMOVED AS DIRECTED. SWABBING SCHEDULE TO BE SUPPLIED BY A WATER OPERATIONS FIELD REPRESENTATIVE. ALL RISERS TO BE RESTRAINED OR THRUST BLOCKED.
- ALL NEW CURB STOPS AND BOXES TO BE LOCATED AT PROPERTY LINE.

**GENERAL NOTES (TSD-222)**

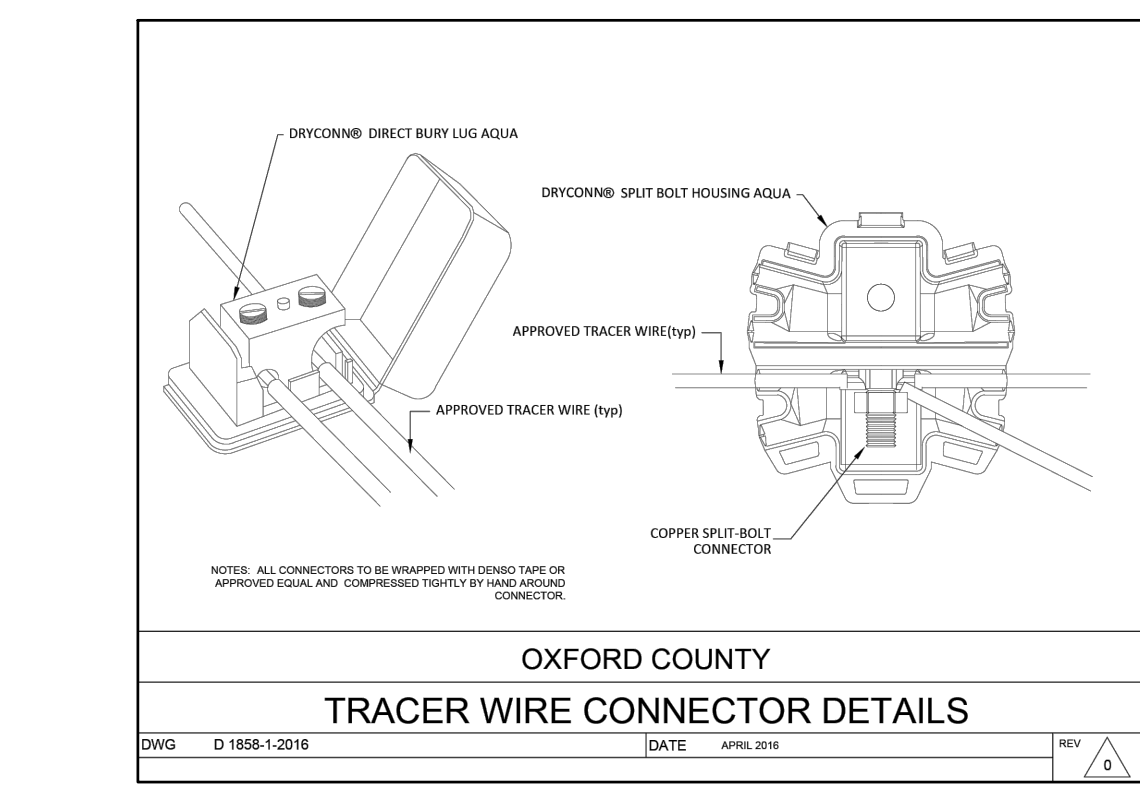
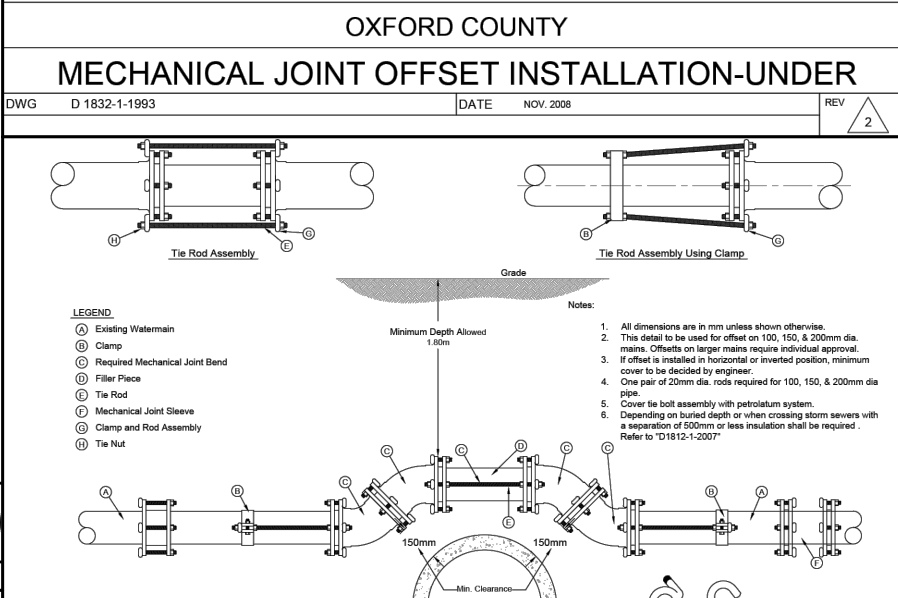
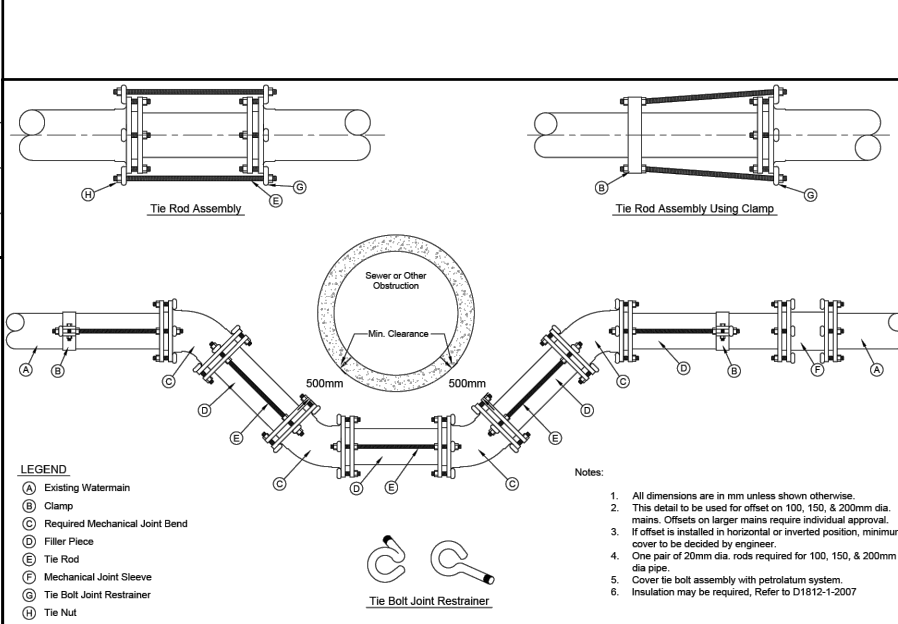
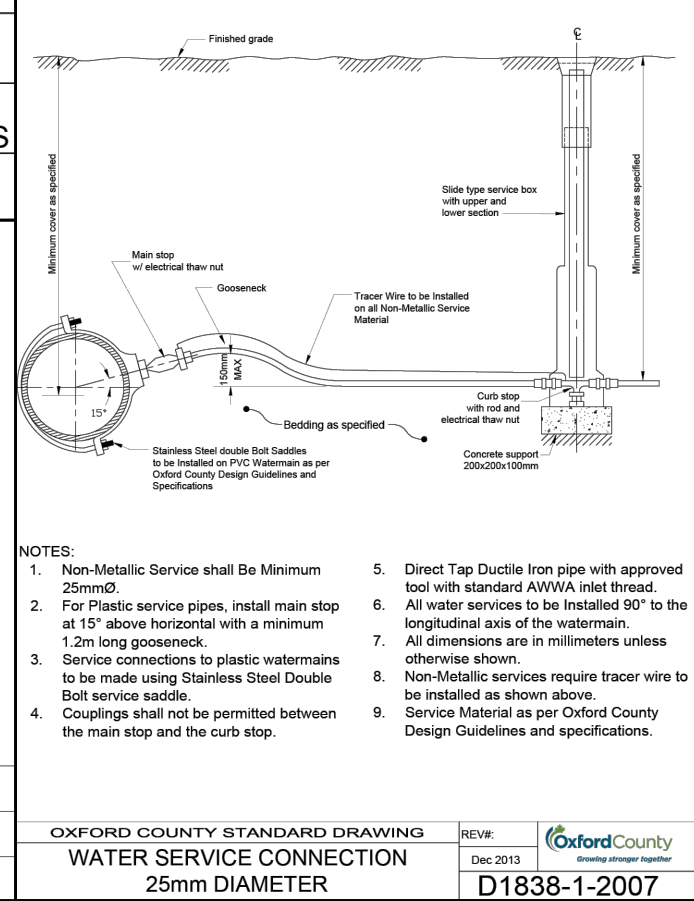
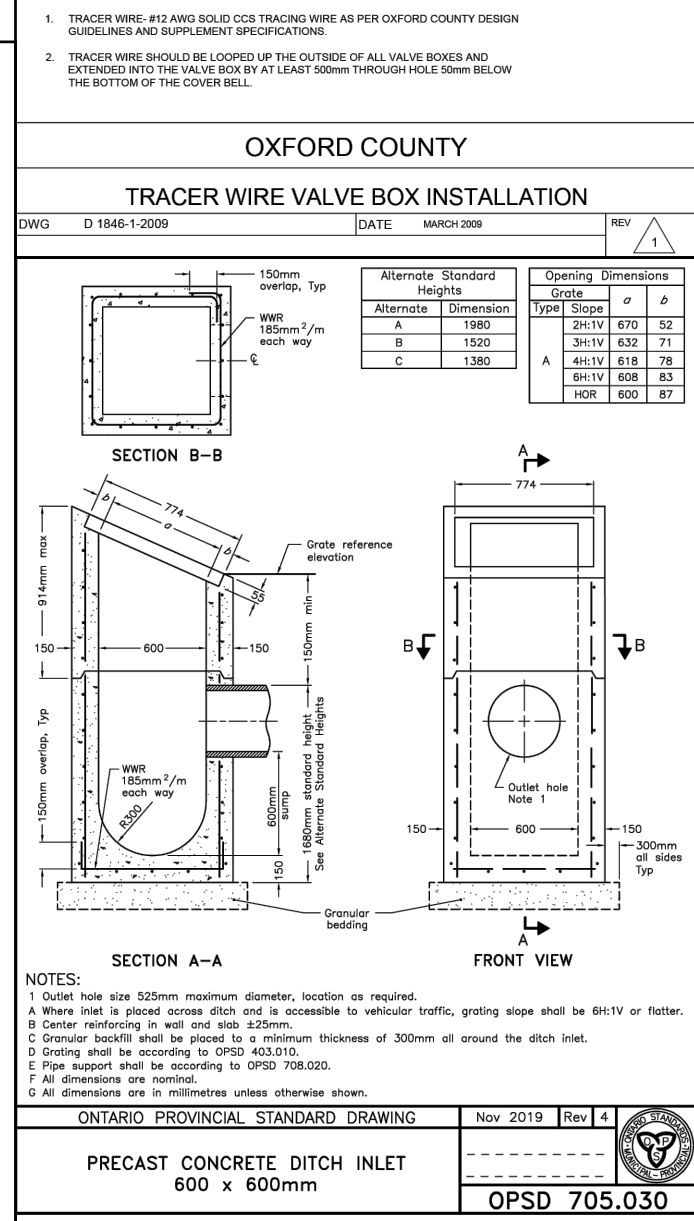
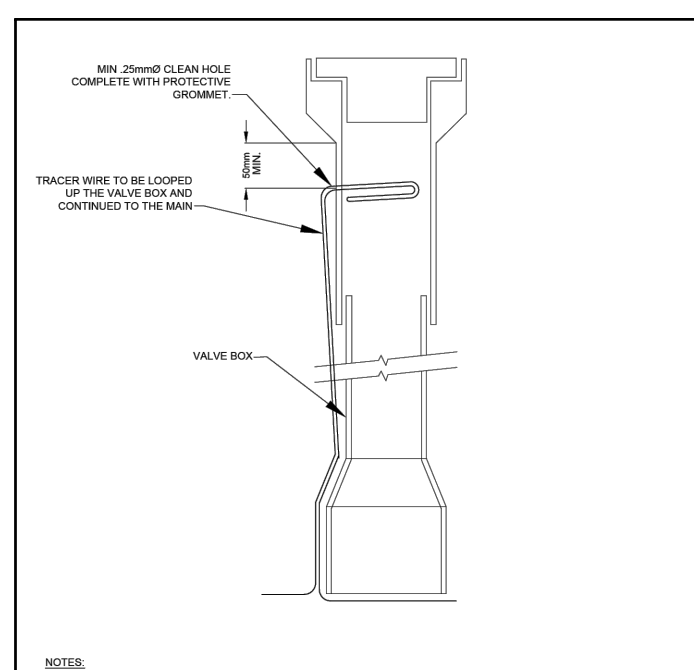
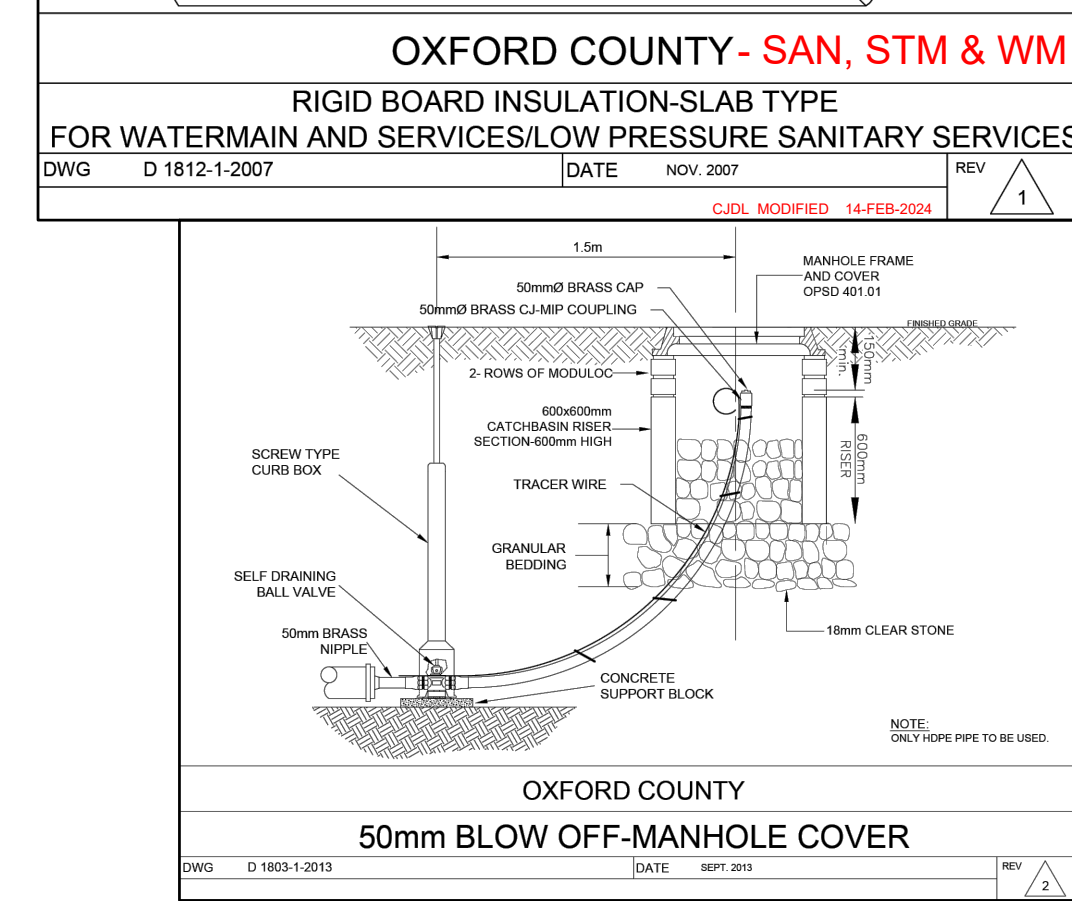
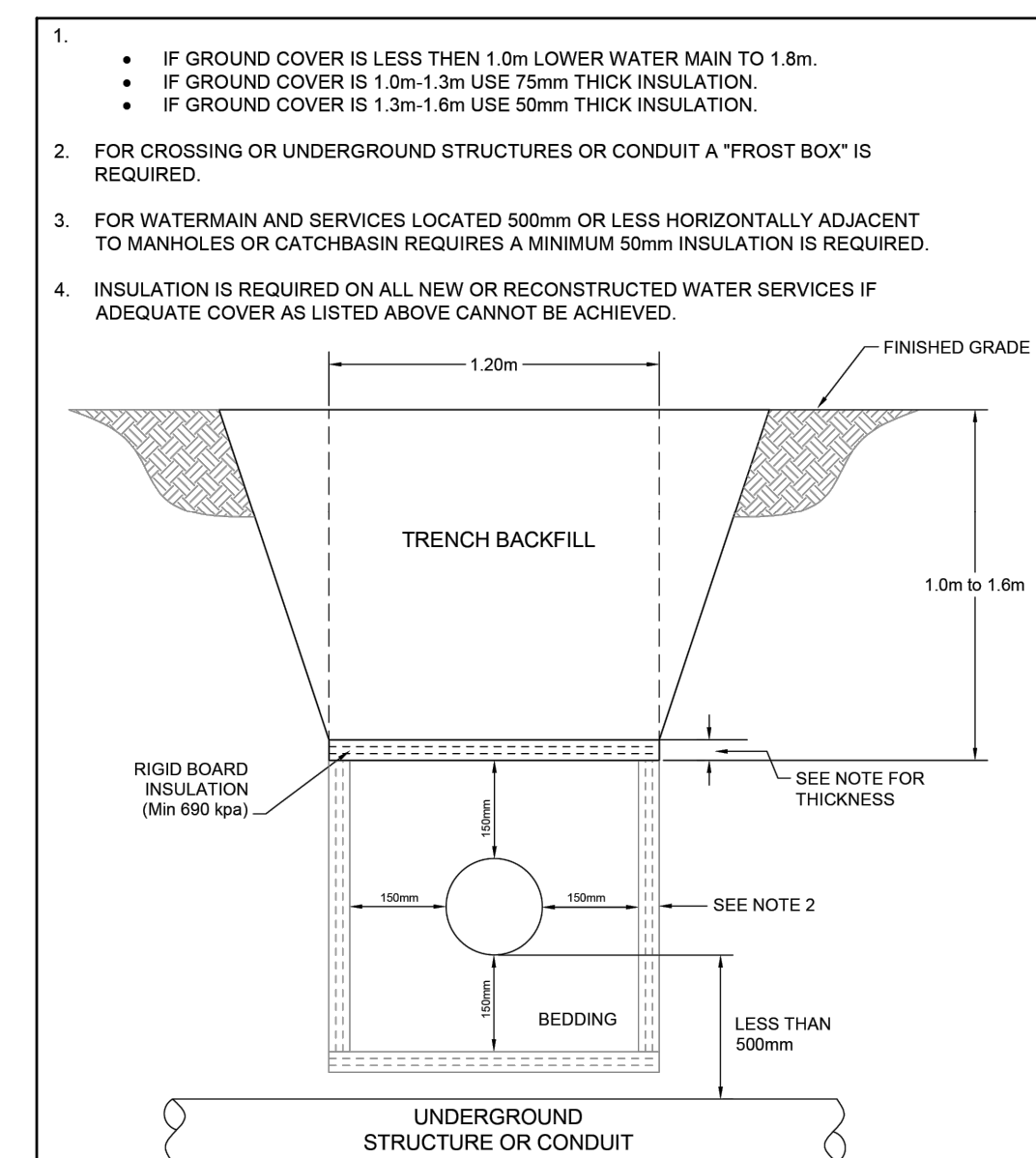
- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT TOWN OF TILLSBURG STANDARD DRAWINGS (TSD) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD).
- ORDER OF PRECEDENCE OF STANDARD DRAWINGS IS FIRSTLY THE TOWN OF TILLSBURG STANDARD DRAWING (TSD) AND THEN ONTARIO PROVINCIAL STANDARD DRAWING (OPSD).
- LOCATION OF EXISTING SERVICES ARE NOT GUARANTEED. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.
- A ROAD ENCROACHMENT PERMIT IS REQUIRED FROM THE TOWN ENGINEERING DEPARTMENT PRIOR TO THE COMMENCEMENT OF ANY WORK WITHIN ANY TOWN RIGHT-OF-WAY.
- NATIVE MATERIAL, SUITABLE FOR BACKFILL, SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- GRANULAR MATERIAL USED FOR BACKFILL, SHALL BE IN LAYERS 150mm IN DEPTH MAXIMUM AND COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- ALL DISTURBED AREAS ARE TO BE REINSTATED TO THEIR ORIGINAL CONDITION OR BETTER, AS DETERMINED BY THE CITY ENGINEERING DEPARTMENT.
- ALL SILT CONTROL AND EROSION PROTECTION DEVICES ARE TO BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND THE GRASS HAS ESTABLISHED GROWTH, SUBJECT TO APPROVAL BY THE TOWN ENGINEERING DEPARTMENT.

**ROADWORKS (TSD-750)**

- GRADE AND CROSSFALL ADJUSTMENT OF MAINTENANCE HOLE AND CATCHBASIN FRAMES WILL BE MADE USING PRODUCTS SPECIFICALLY MANUFACTURED FOR THAT PURPOSE.
- ADJUSTMENT UNITS MUST BE CERTIFIED TO MEET AT LEAST PERTINENT OPS, CSA, ASTM AND MTW-DSM LISTS, OR OTHER INDUSTRY GUIDELINES FOR MATERIALS, PERFORMANCE AND USE AS APPLICABLE.
- ADJUSTMENT UNITS AND JOINTS WILL BE SEALED AND OR PARGED IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS AND GUIDELINES.
- MORTAR IS USED FOR LEVELING OF PRECAST UNITS ONLY. THE THICKNESS OF MORTAR WILL BE 10mm TO FILL ALL VOIDS CREATED BY IRREGULARITIES IN THE PRECAST UNITS TO ENSURE AN EVEN SURFACE ONLY.

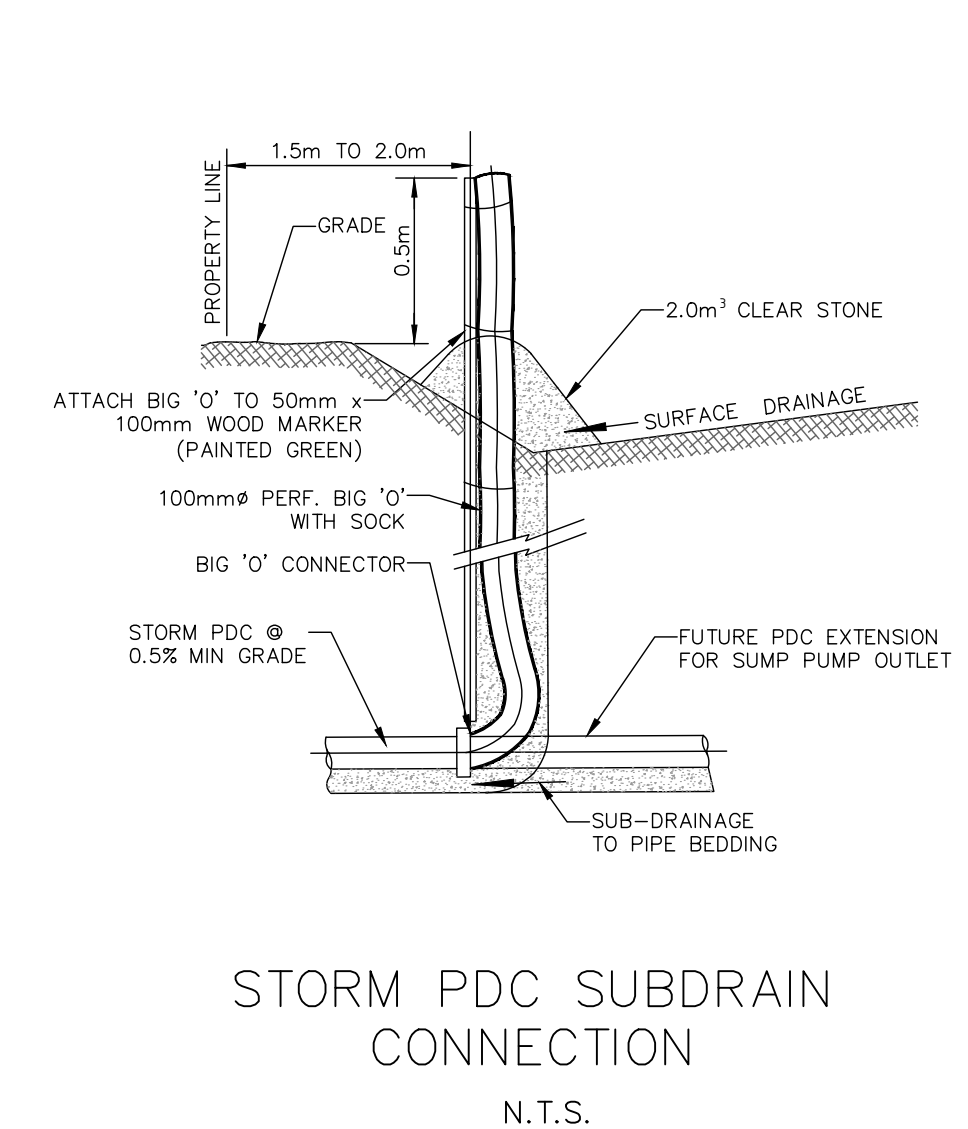
**WATERMANS (TSD-1300)**

- CONTRACTORS SHALL INFORM THE TOWN

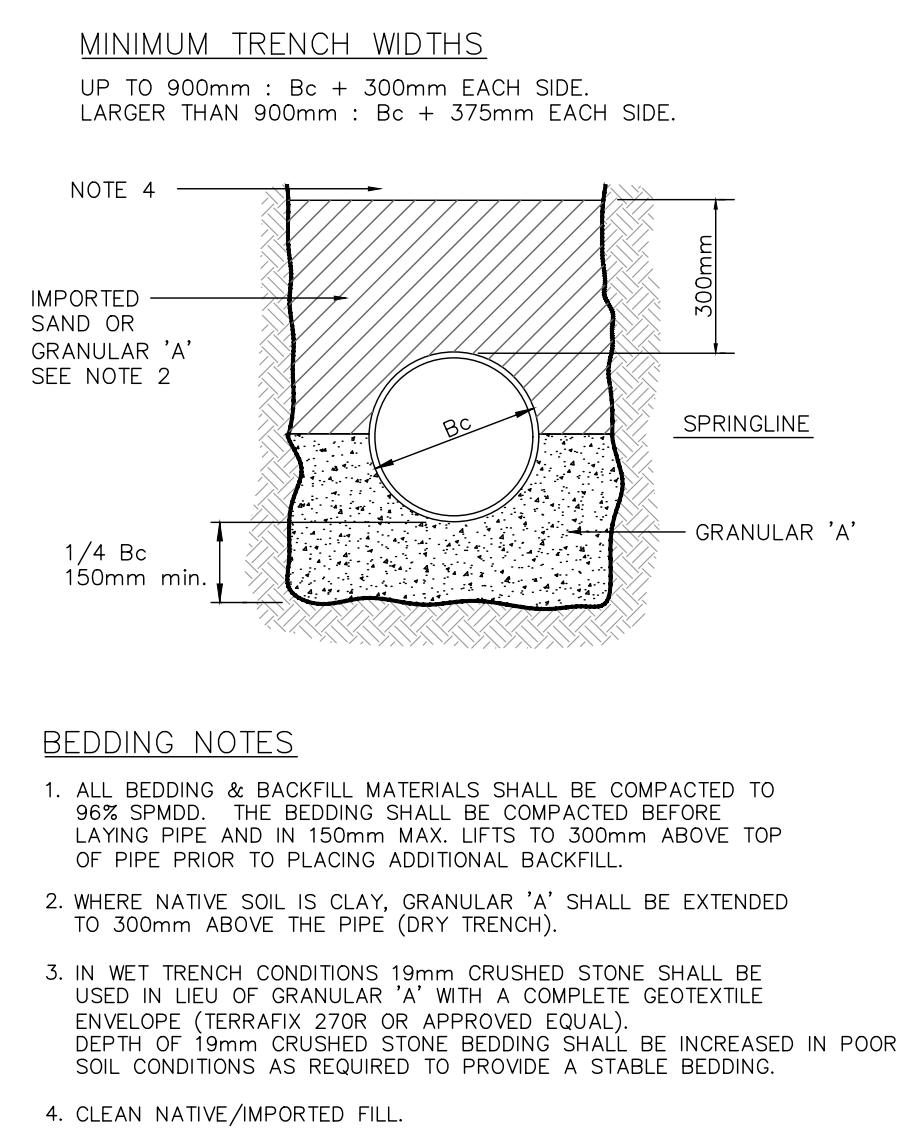


		SCALES AS SHOWN		<b>TOWN OF TILLSBURG</b> 			CRANBERRY ROAD RECONSTRUCTION RFT20XX-XXX TOWN OF TILLSBURG WATERMAIN DETAILS
		3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM	Cyril J. Demeyere Limited P.O. Box 460, 261 Broadway Tillsburg, Ontario, N4G 4H8 Tel: 519-688-1000 866-302-9886 Fax: 519-842-3235 cjd@cjdleng.com	
		2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM		
		1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC		
		No.	REVISION	DATE	BY	PROJECT NO. 22014	SURVEY BY: TFM
						CHECKED BY: PJP	DATE: 02 AUG 2022
						DRAWING No.	

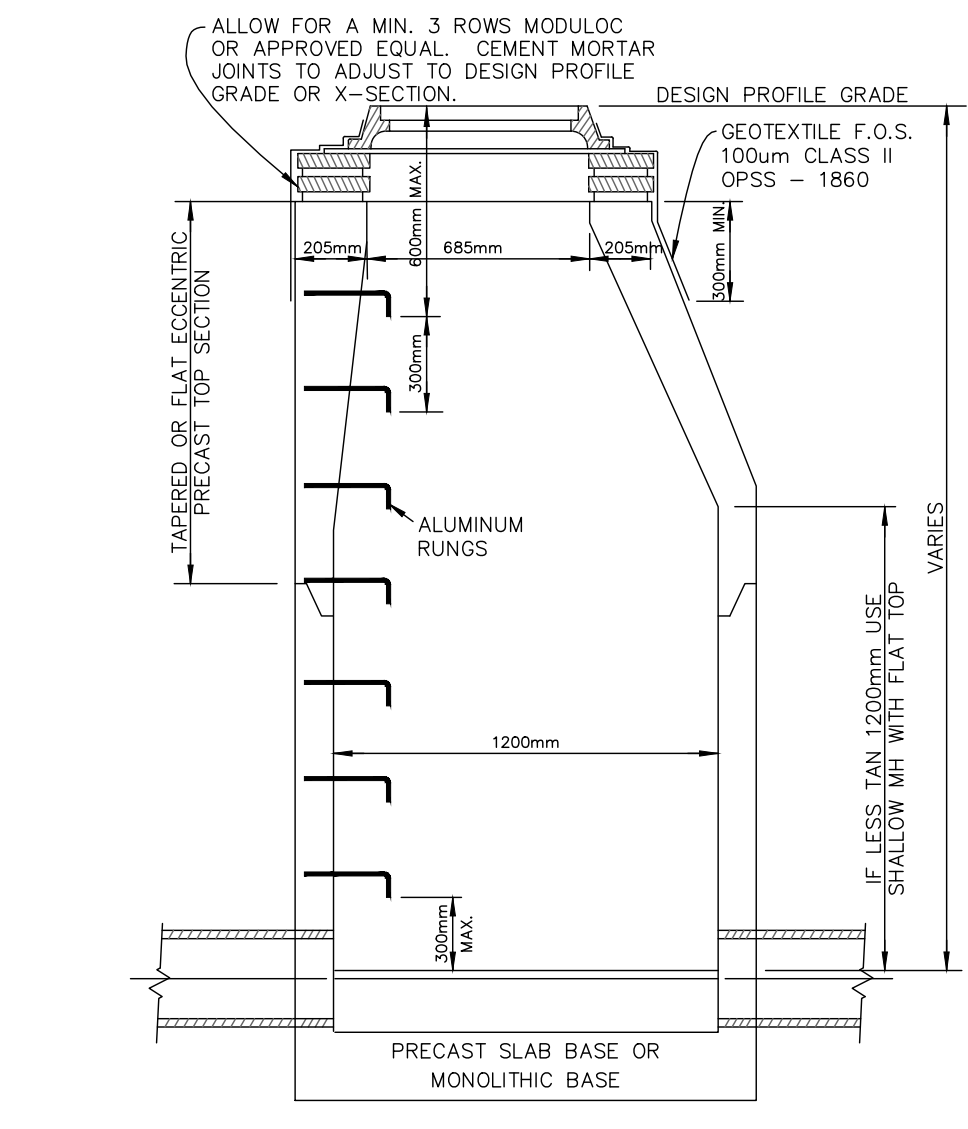




STORM PDC SUBDRAIN CONNECTION  
N.T.S.



CLASS 'B' BEDDING  
N.T.S.



PRECAST MANHOLE  
N.T.S.

MANHOLE NOTES

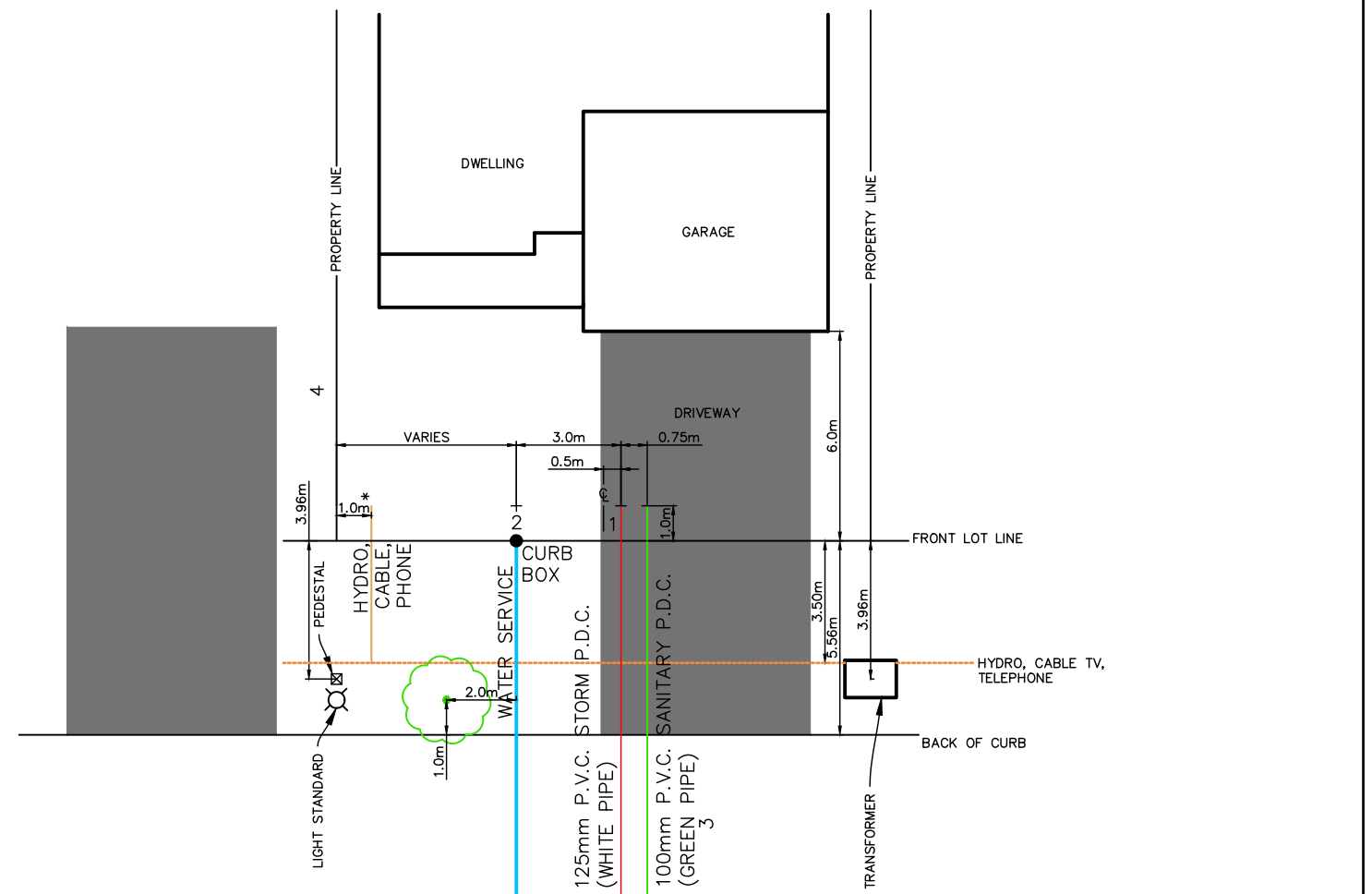
1. PRECAST SECTIONS SHALL COMPLY WITH CURRENT OPSD 700 SERIES FOR PRECAST CONCRETE MANHOLES. PREFRENCHED MANHOLES ARE ACCEPTABLE.
2. ON OVERSIZED MANHOLES, THE TRANSITION TO 1200mm SHALL NOT BE LESS THAN 1.5m ABOVE MAINLINE VEERT.
3. FIRST PIPE JOINT TO BE WITHIN 300 mm OF OUTSIDE MANHOLE WALL. OTHERWISE CONCRETE CRADLE SUPPORT TO FIRST JOINT. (CLASS 'B' BEDDING ACCEPTABLE ON PIPES 450mm & LARGER)
4. PVC AND POLYETHYLENE PIPE SHALL BE CONNECTED TO MANHOLES WITH FACTORY SAND COATED PVC STUB OR FOR-N-S-EAL COUPLING.
5. BENCHING ON END MANHOLES TO EXTEND TO FAR INSIDE WALL. BENCHING ON LATERAL INLETS SHALL BE 500mm C RADIUS. BENCHING TO CONFORM TO OPSD 701.021. MANHOLES SHALL BE PREFRENCHED FOR ALL PDCs / LATERALS.
6. TOP LADDER RUNG SHALL NOT EXCEED 600 mm FROM FINISHED GRADE. MANHOLES OVER 5.0m DEEP SHALL INCLUDE SAFETY GRATE PER OPSD 404.020.
7. MANHOLE FRAMES AND GRATES SHALL BE O.P.S.D. 401.010 - CLOSED COVER MANHOLE COVERS SHALL BE SET ON GEOTEXTILE F.O.S. 250 um CLASS II O.P.S.S. 1860 UNTIL SETTING IS PAVED.
8. CEMENT MORTAR USED FOR SETTING OF PIPES, BENCHING, ADJUSTMENT & SETTING OF FRAMES FOR CATCHBASINS & MANHOLES, SHALL CONSIST OF ONE PART NORMAL PORTLAND CEMENT TO TWO PARTS MASONRY SAND WITH ONLY SUFFICIENT WATER TO MAKE THE MIXTURE PLASTIC. ADJUSTMENT RINGS TO BE PARGED ON OUTSIDE. INSIDE JOINTS TO BE POINTED ONLY, NOT PARGED.
9. GRANULAR BACKFILL SHALL BE PLACED TO A MIN. WIDTH OF 300mm ALL AROUND MANHOLES, IN 300 mm MAX. LIFTS COMPACTED TO 95% STANDARD PROCTOR.
10. ADJUSTMENTS IN EXCESS OF 300mm SHALL BE MADE WITH PRECAST RISER SECTIONS. NO STEPS SHALL BE INSTALLED IN CONCRETE ADJUSTMENTS UNITS.
11. IN AREAS OF HIGH GROUNDWATER, WATERPROOFING OF MANHOLES AND CHAMBERS IS REQUIRED AS PER COUNTY GUIDELINES. SEAL/TIGHT MEL-ROL WATERPROOFING SYSTEM AS MANUFACTURED BY W.R. MEADOWS OR APPROVED EQUAL.
12. EXTERNAL DROP STRUCTURE PER OPSD 1003.010 SHALL BE PROVIDED IN MANHOLES WHEN THE DIFFERENCE IN ELEVATION BETWEEN INVERTS OF THE INLET PIPE AND AN OUTLET PIPE EXCEED 0.9m FOR STORM AND 0.6m FOR SANITARY.
13. ALL CATCHBASINS MANHOLES (CBMH) ARE TO BE BENCHED UNLESS OTHERWISE NOTED ON DESIGN DRAWINGS OR DIRECTED ON-SITE BY ENGINEER

GENERAL NOTES (MODIFIED TSD-222)

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT OXFORD COUNTY DESIGN GUIDELINES, TOWN OF TILLSONBURG STANDARDS, DRAWINGS (TSD) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD).
2. ORDER OF PRECEDENCE OF STANDARD DRAWINGS IS FIRSTLY THE OXFORD COUNTY DESIGN GUIDELINES, TOWN OF TILLSONBURG STANDARD DRAWING (TSD) AND THEN ONTARIO PROVINCIAL STANDARD DRAWING (OPSD).
3. LOCATION OF EXISTING SERVICES ARE NOT GUARANTEED. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.
4. A ROAD ENCROACHMENT PERMIT IS REQUIRED FROM THE TOWN ENGINEERING DEPARTMENT PRIOR TO THE COMMENCEMENT OF ANY WORK WITHIN ANY TOWN RIGHT-OF-WAY.
5. NATIVE MATERIAL, SUITABLE FOR BACKFILL, SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
6. GRANULAR MATERIAL, USED FOR BACKFILL, SHALL BE IN LAYERS 150mm IN DEPTH MAXIMUM AND COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
7. ALL DISTURBED AREAS ARE TO BE REINSTATED TO THEIR ORIGINAL CONDITION OR BETTER, AS DETERMINED BY THE TOWN ENGINEERING DEPARTMENT.
8. ALL SILT CONTROL AND EROSION PROTECTION DEVICES ARE TO BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND THE GRASS HAS ESTABLISHED GROWTH, SUBJECT TO APPROVAL BY THE TOWN ENGINEERING DEPARTMENT.

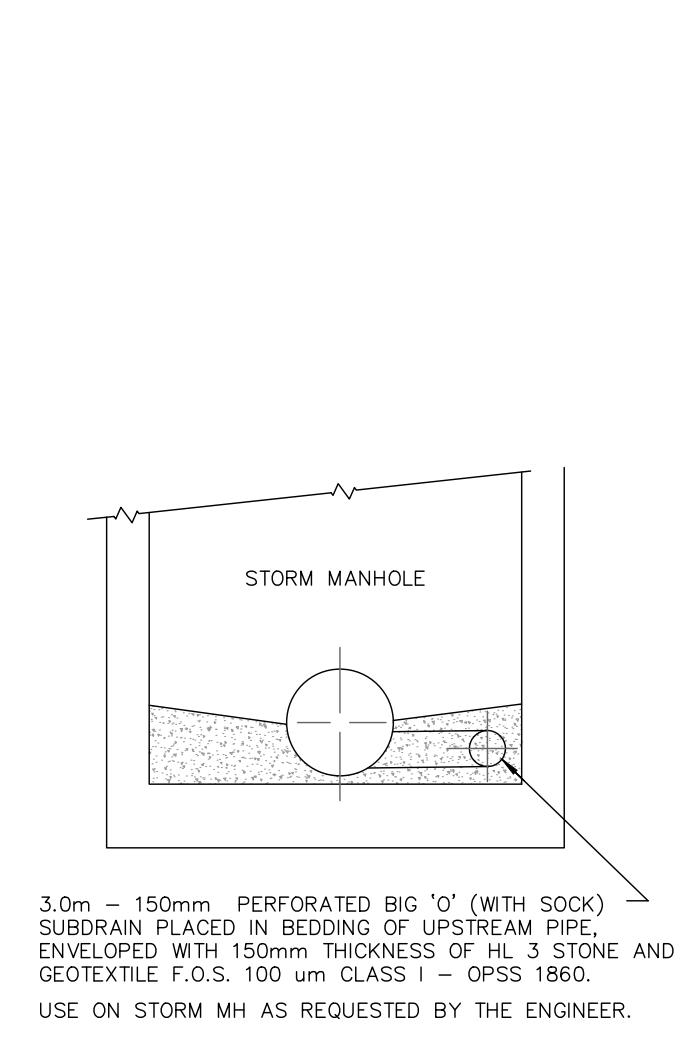
ROADWORKS (TSD-750)

1. GRADE AND CROSSFALL ADJUSTMENT OF MAINTENANCE HOLE AND CATCHBASIN FRAMES WILL BE MADE USING PRODUCTS SPECIFICALLY MANUFACTURED FOR THAT PURPOSE.
2. ADJUSTMENT UNITS MUST BE CERTIFIED TO MEET ALL PERTINENT OPS, CSA, ASTM AND MTH-OSM LISTS, OR OTHER INDUSTRY GUIDELINES FOR MATERIALS, PERFORMANCE AND USE AS APPLICABLE.
3. ADJUSTMENT UNITS AND JOINTS WILL BE SEALED AND OR PARGED IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS AND GUIDELINES.
4. MORTAR IS USED FOR LEVELING OF PRECAST UNITS ONLY. THE THICKNESS OF MORTAR WILL BE 10mm TO FILL ALL VOIDS CREATED BY IRREGULARITIES IN THE PRECAST UNITS TO ENSURE AN EVEN SURFACE ONLY.

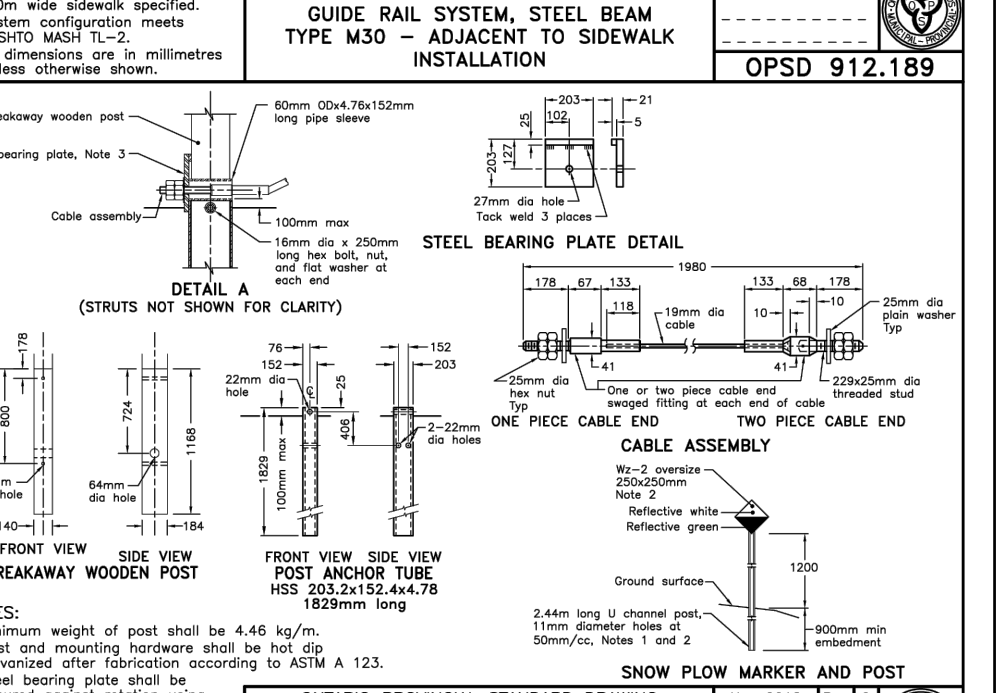
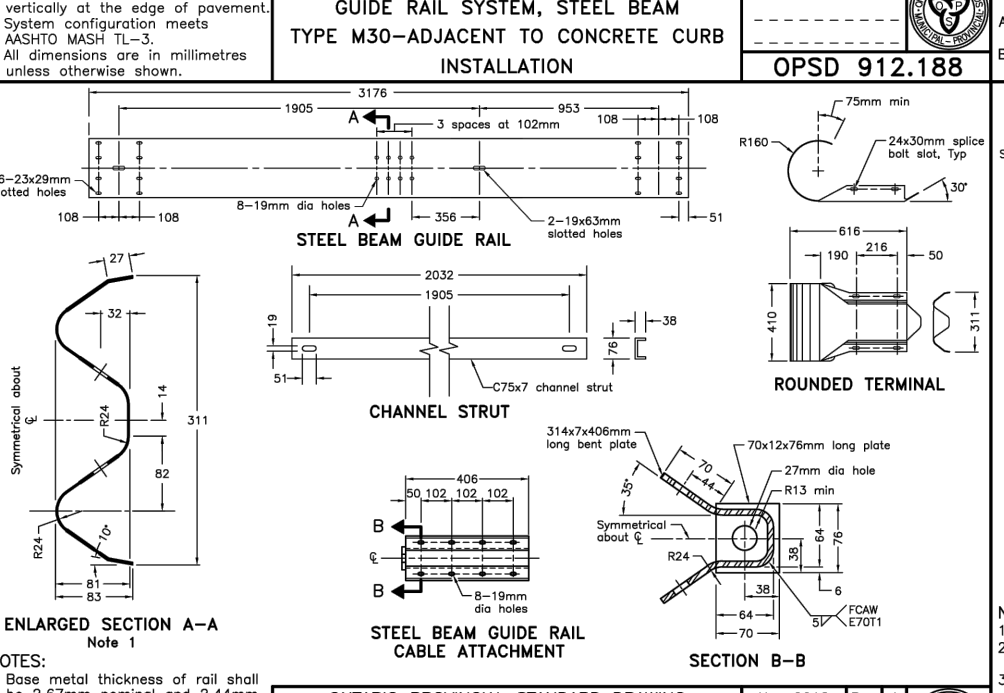
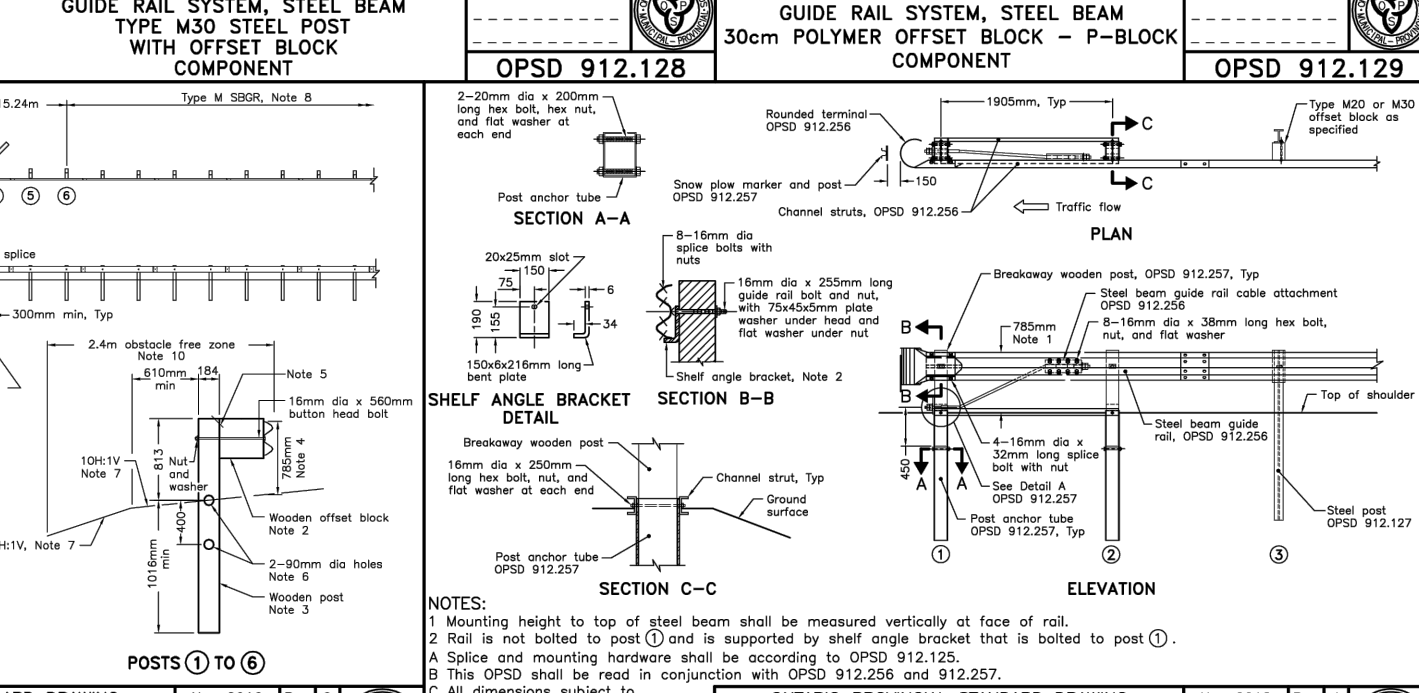
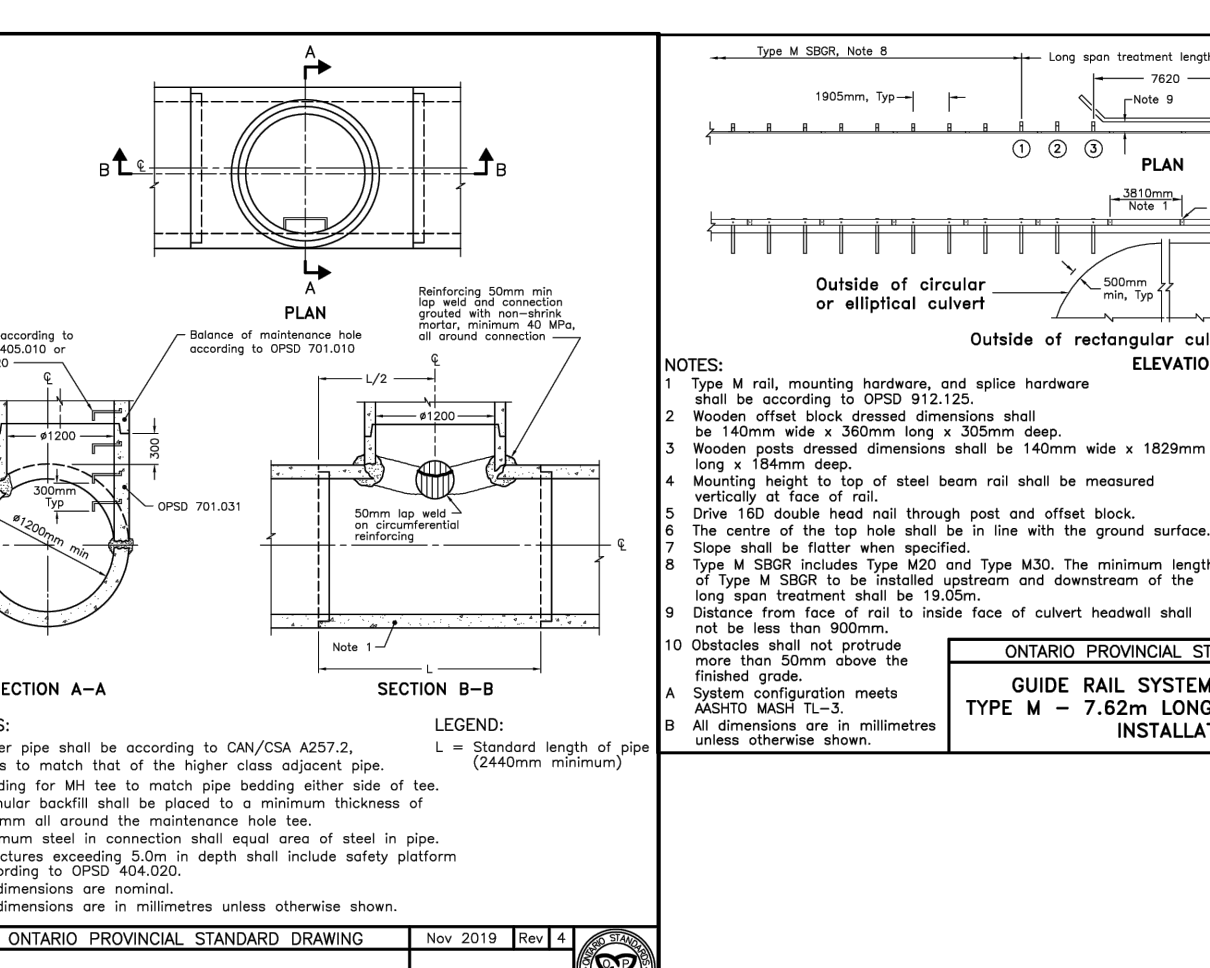
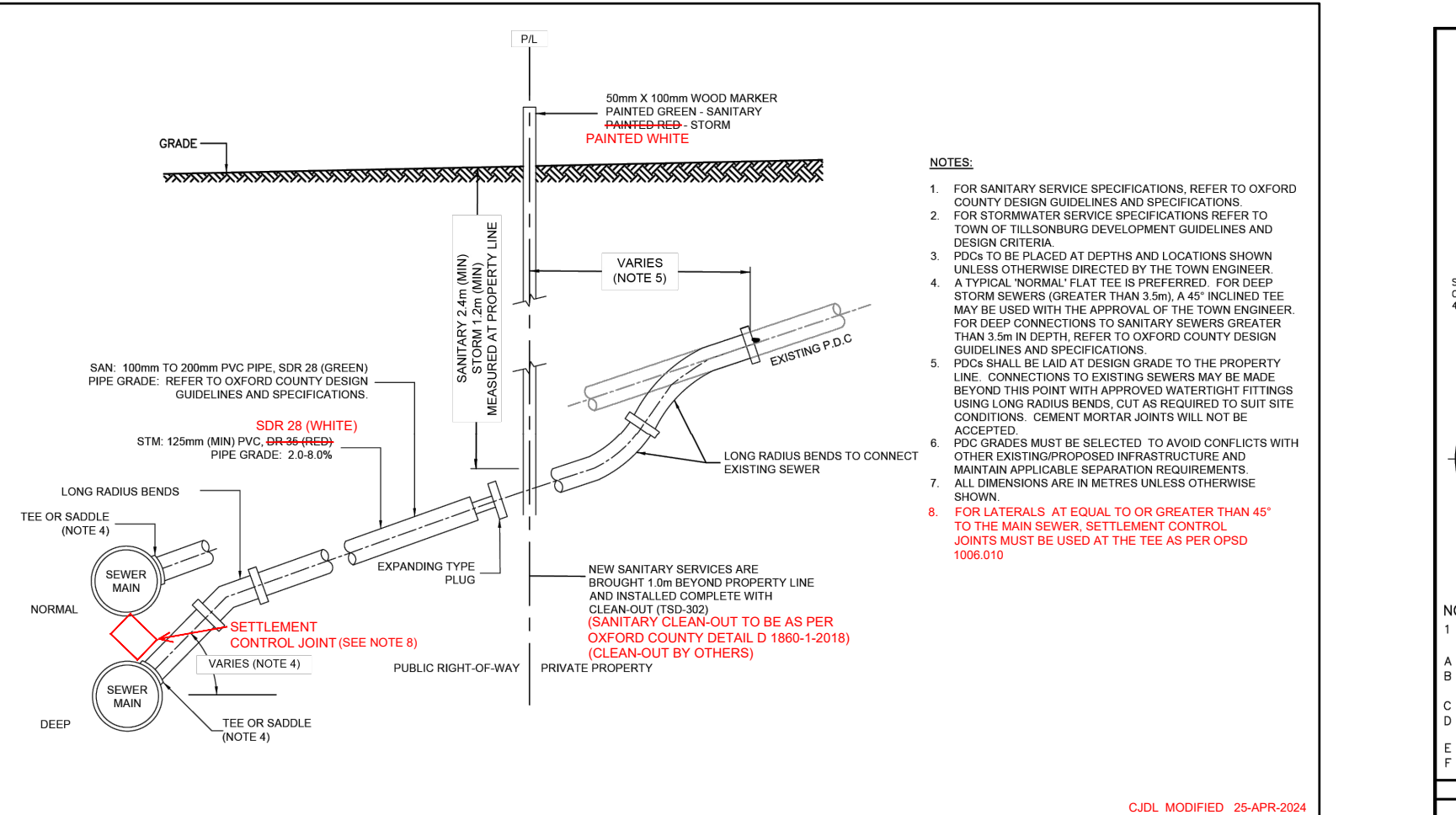
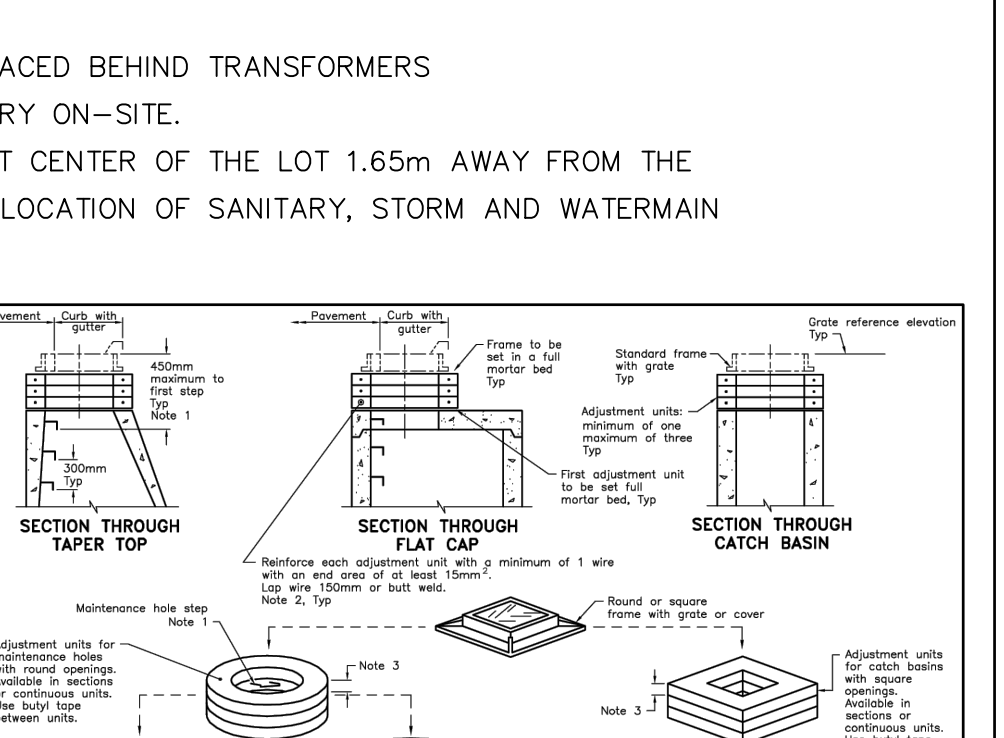
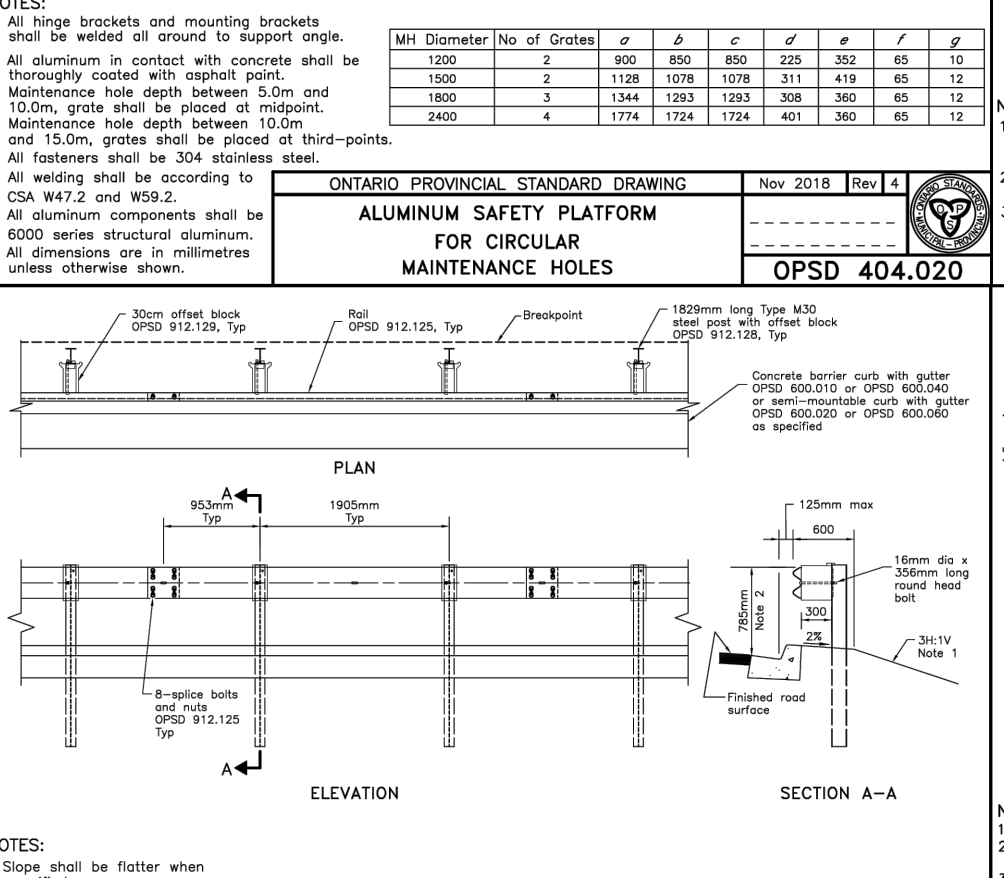
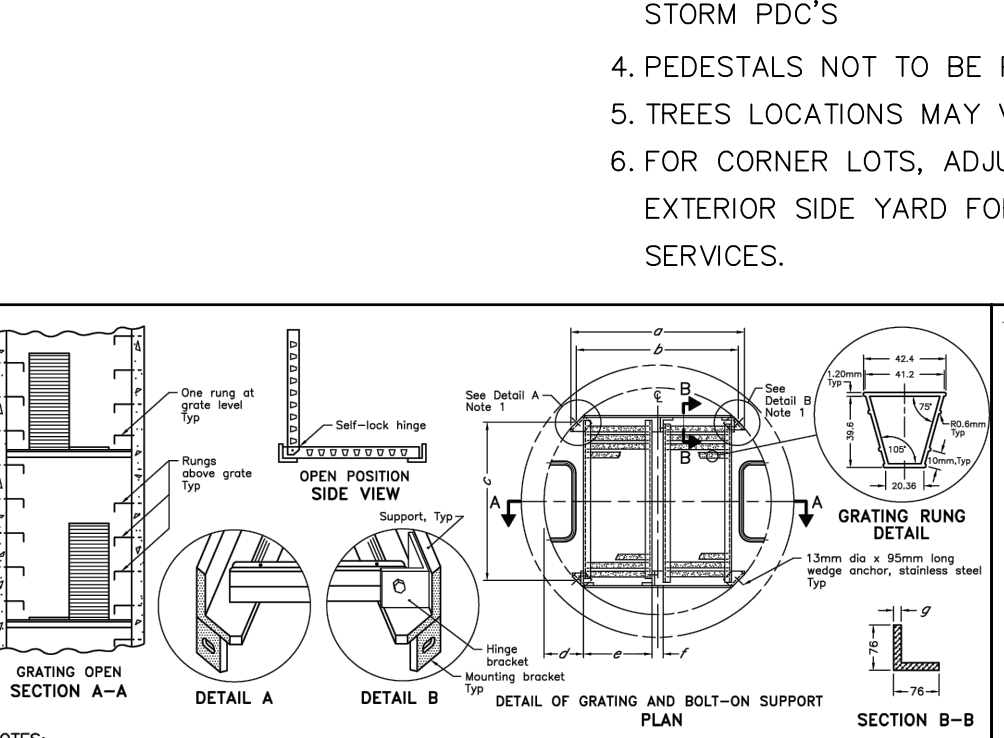
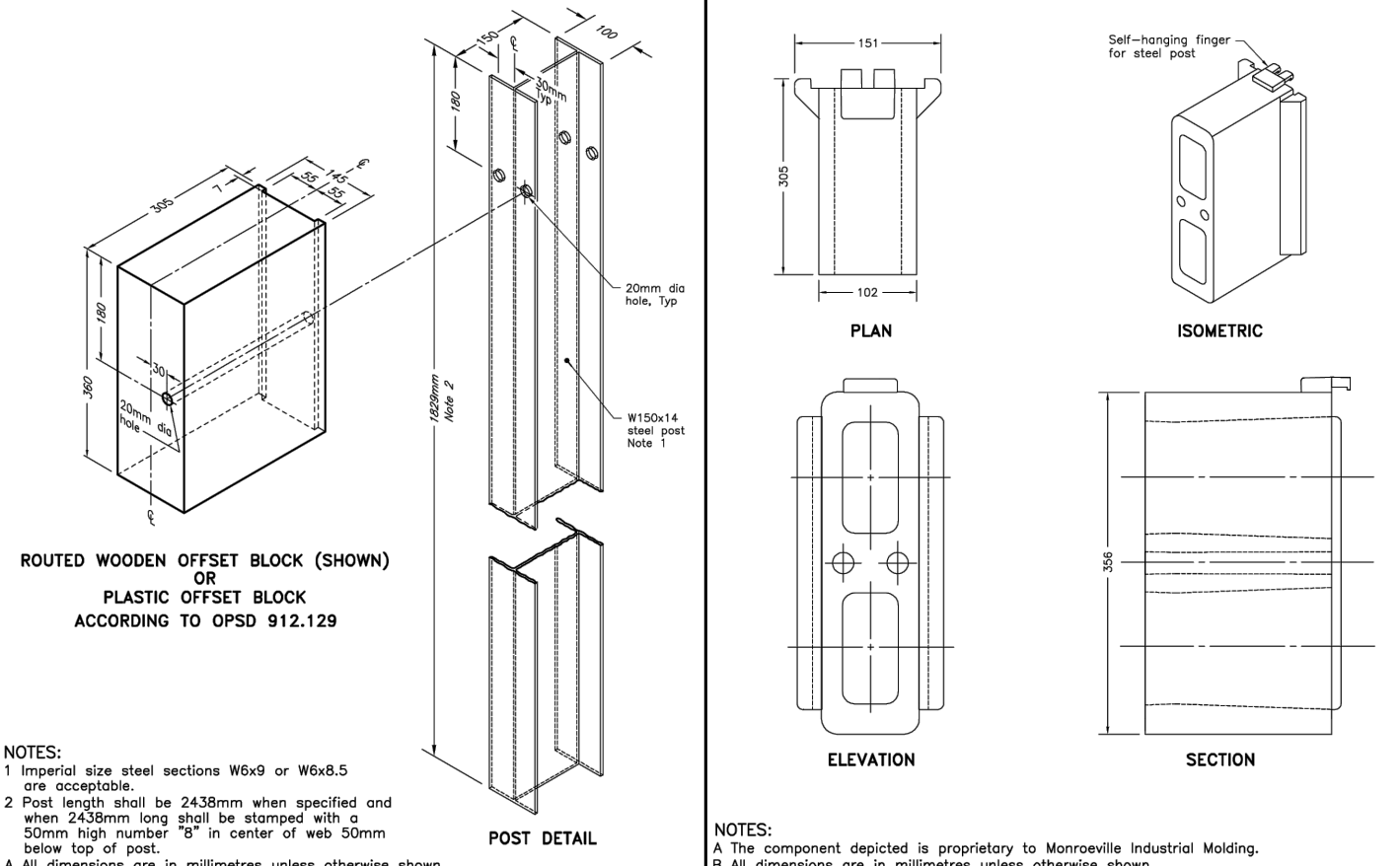
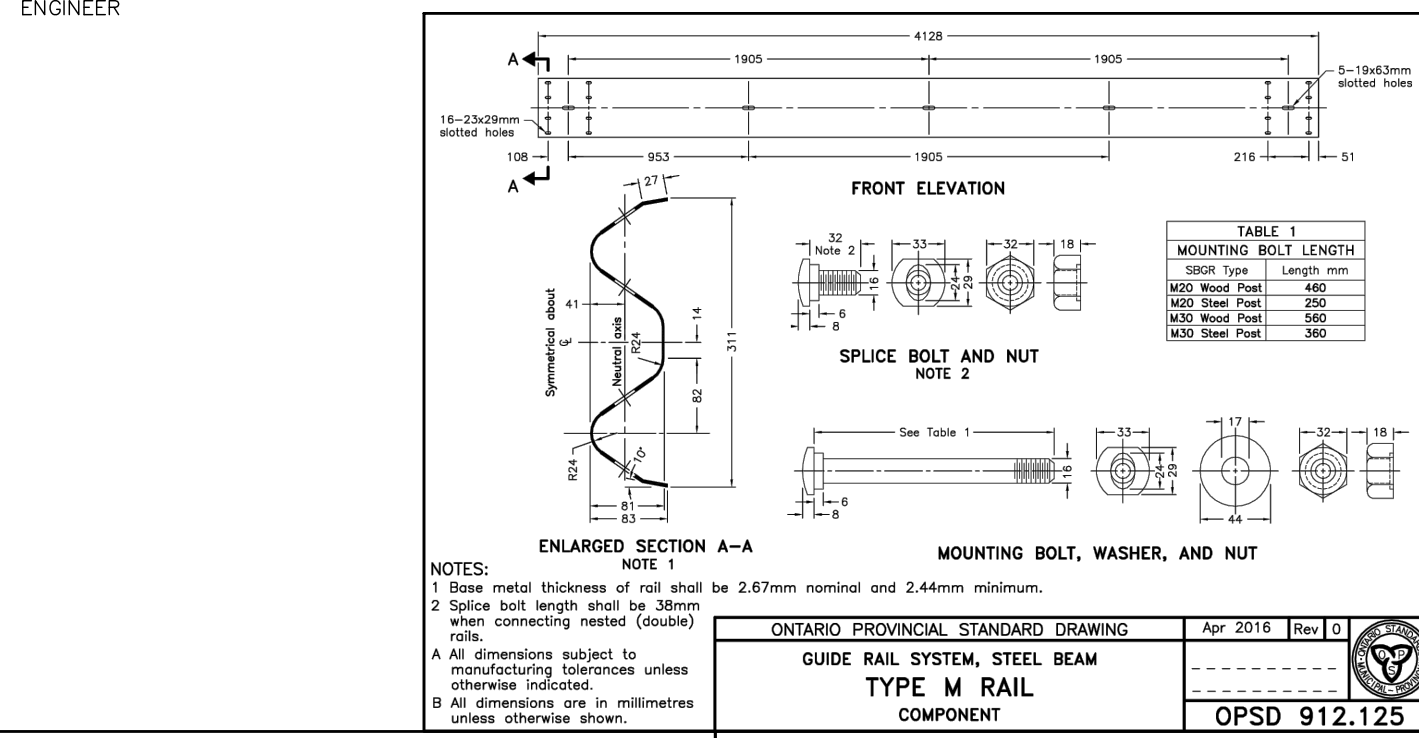
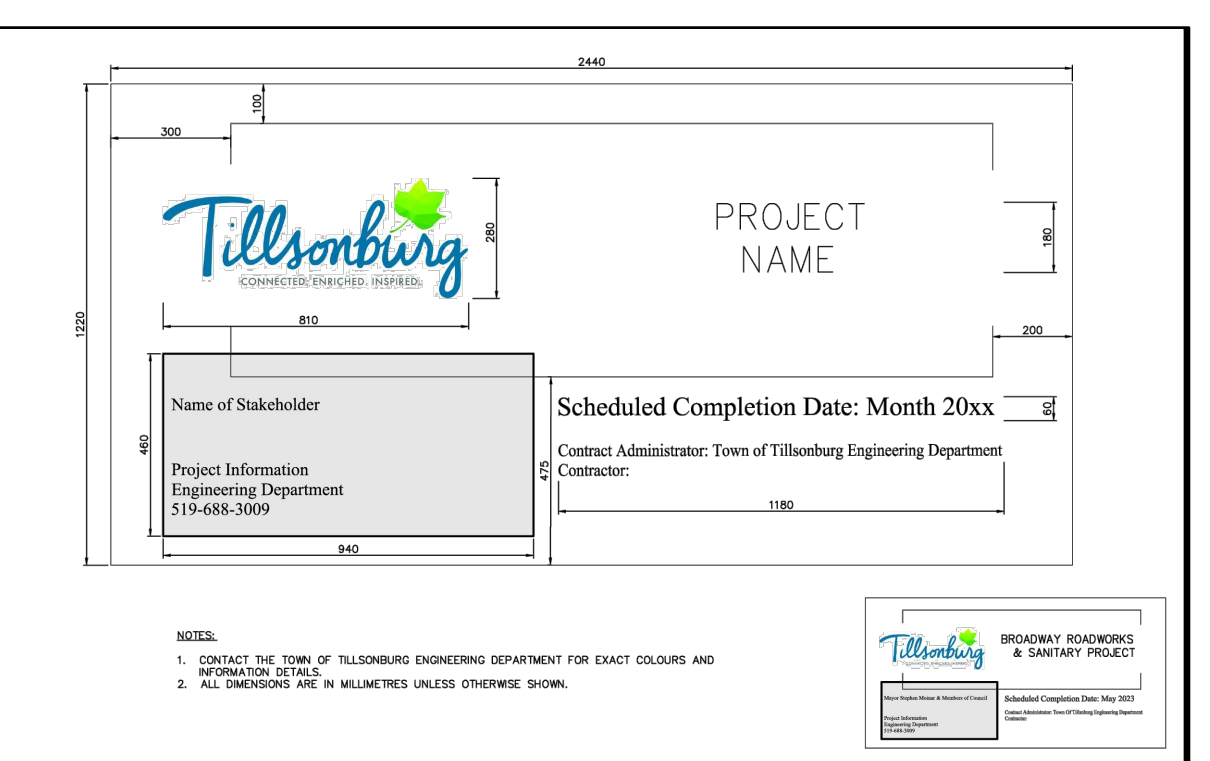
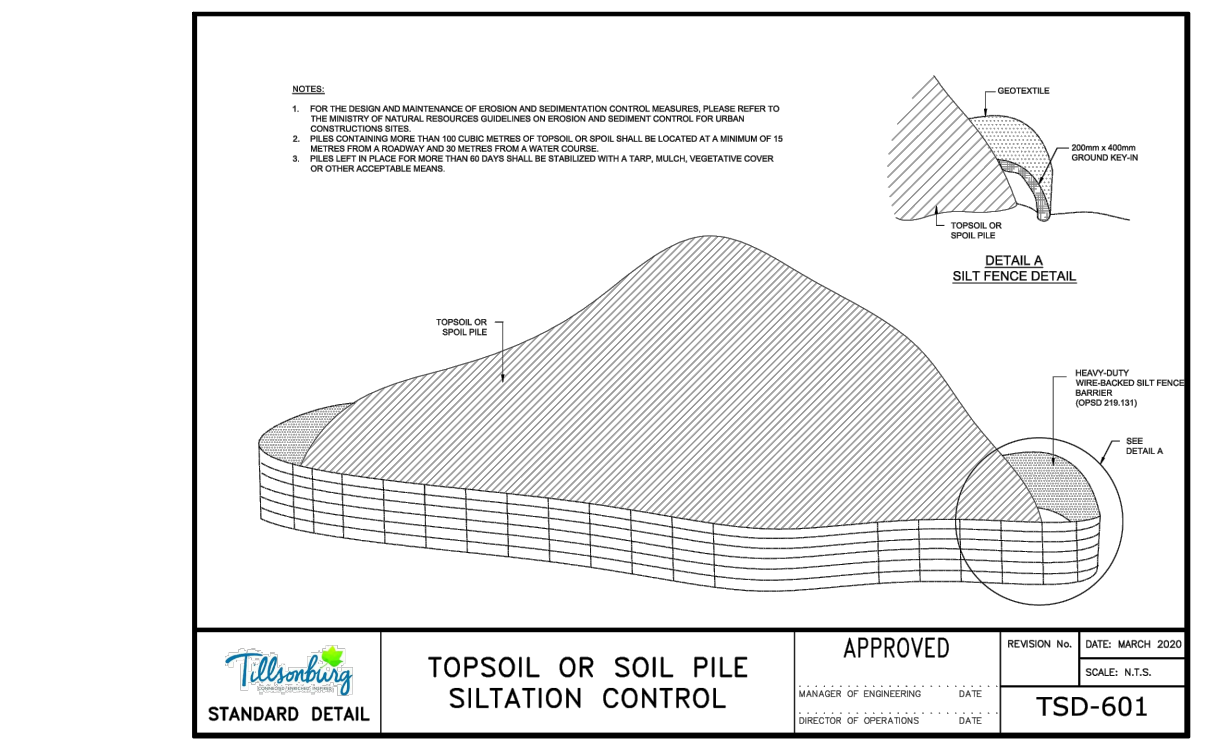
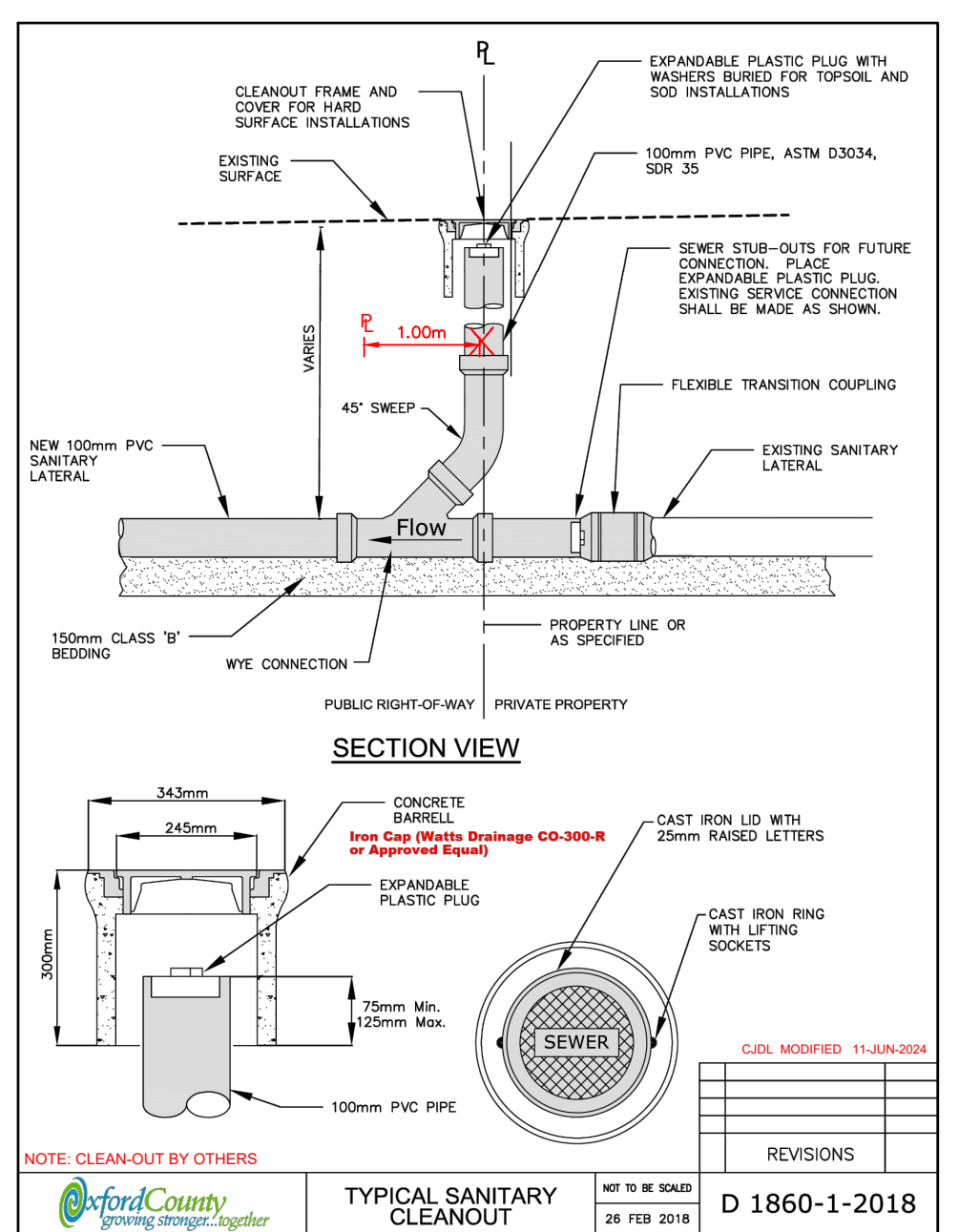


(FOR LOTS 2-5)  
SERVICING LAYOUT - SINGLE DETACHED DWELLING  
SCALE: 1:200

- NOTE
- \* FOR EXTERIOR SIDE YARDS USE 4.5m OFFSET.
1. SANITARY & STORM P.D.C. TO BE INSTALLED TO 1.0m PAST PROPERTY LINE.
  2. CURB STOP TO BE LOCATED ON PROPERTY LINE.
  3. PLACE SAND BACKFILL TO FINISHED GRADE WITHIN 3m OF TRANSFORMERS ON STORM PDC'S
  4. PEDESTALS NOT TO BE PLACED BEHIND TRANSFORMERS
  5. TREES LOCATIONS MAY VARY ON-SITE.
  6. FOR CORNER LOTS, ADJUST CENTER OF THE LOT 1.65m AWAY FROM THE EXTERIOR SIDE YARD FOR LOCATION OF SANITARY, STORM AND WATERMAIN SERVICES.



NOTE:  
BIG 'O' & STONE POCKET TO BE INDIVIDUALLY AND COMPLETELY WRAPPED WITH GEOTEXTILE.  
BEDDING SUBDRAIN  
N.T.S.



Tiltsonburg STANDARD DETAIL

PRIVATE DRAIN CONNECTIONS

APPROVED

REVISION NO. DATE: DEC 2021

SCALE: N.T.S.

TSD-310

MANAGER OF ENGINEERING

DIRECTOR OF OPERATIONS

Ontario Provincial Standard Drawing

Nov 2019 Rev. 1

PRECAST CONCRETE MAINTENANCE HOLE MANUFACTURED TEE

OPSP 707.010

PROFESSIONAL ENGINEER

A.V. MURHEAD

100543499

PROVINCE OF ONTARIO

PROFESSIONAL ENGINEER

P.J. PENNER

PROVINCE OF ONTARIO

SCALES AS SHOWN

1	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC
No.	REVISION	DATE	BY

TOWN OF TILLSONBURG

Cyril J. Demeyere Limited

P.O. Box 460, 261 Broadway

Tillsonburg, Ontario, N4G 4H8

TEL: 519-688-1000

866-302-9886

Fax: 519-842-3235

cjdl@cjdleng.com

CRANBERRY ROAD RECONSTRUCTION

RFT20XX-XXX

TOWN OF TILLSONBURG

SEWER & SERVICING

DETAILS

DESIGN BY: AVM

DRAWN BY: AK/GD

CHECKED BY: PJP

PROJECT NO. 22014

SURVEY BY: TFM

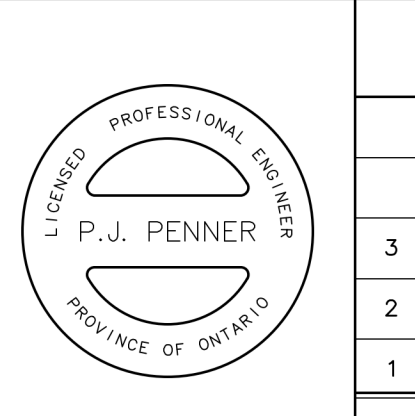
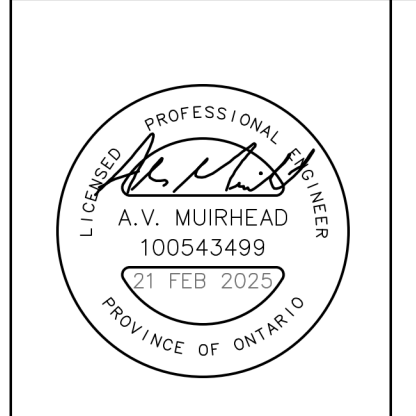
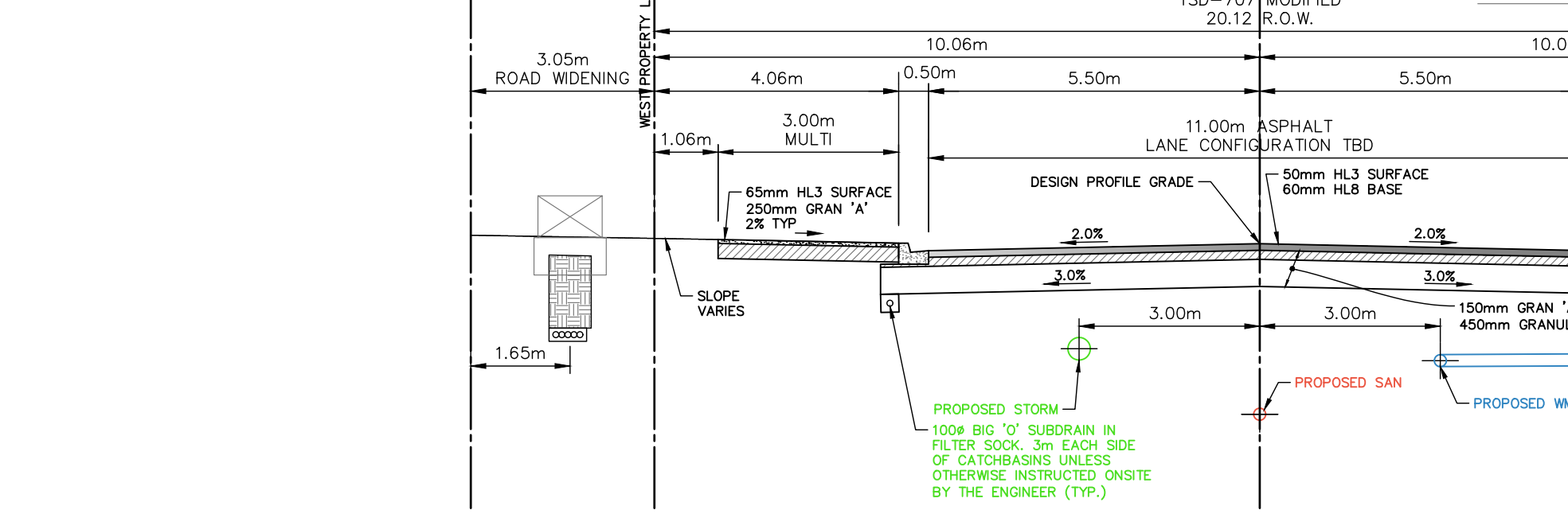
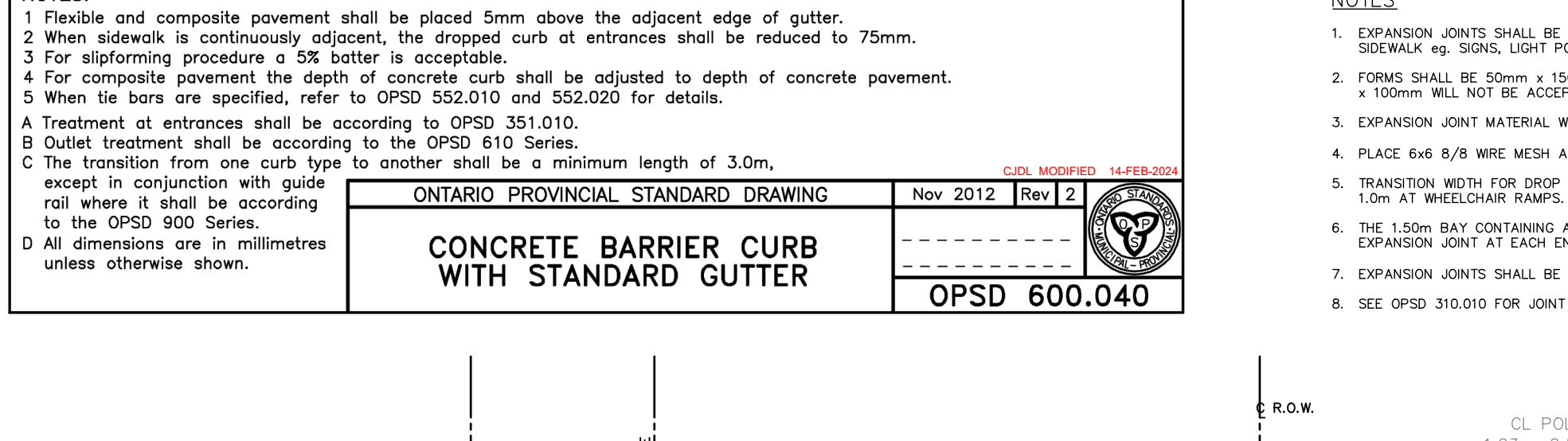
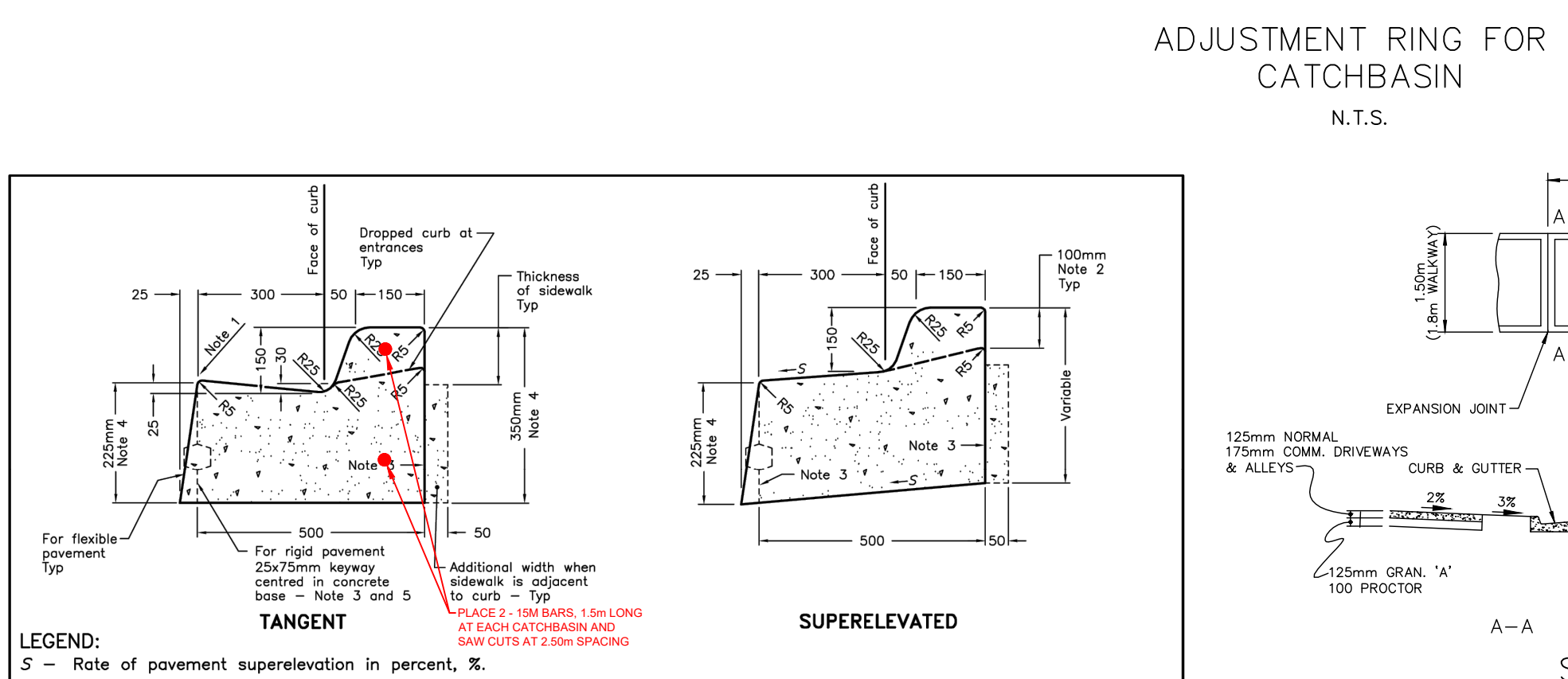
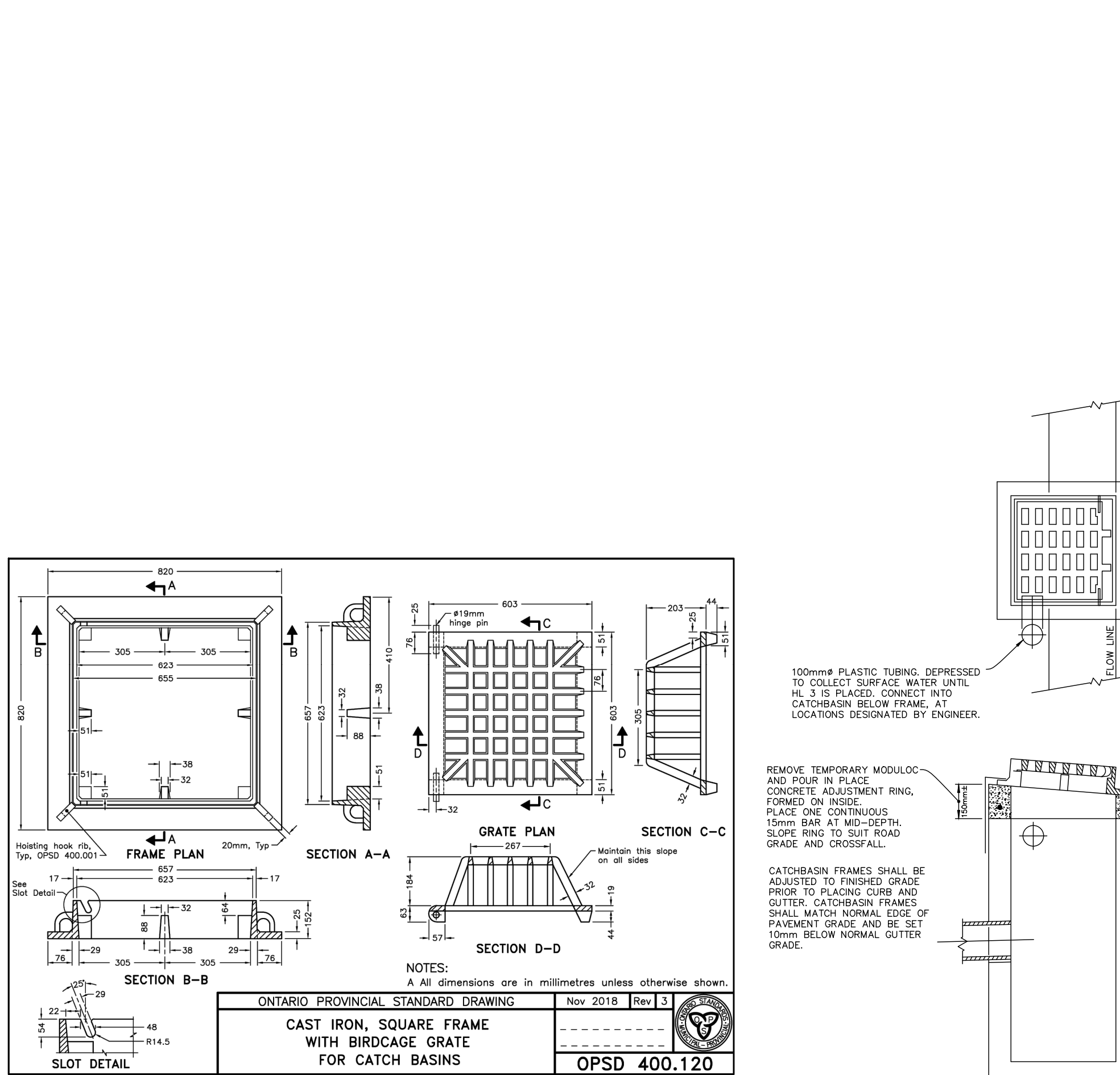
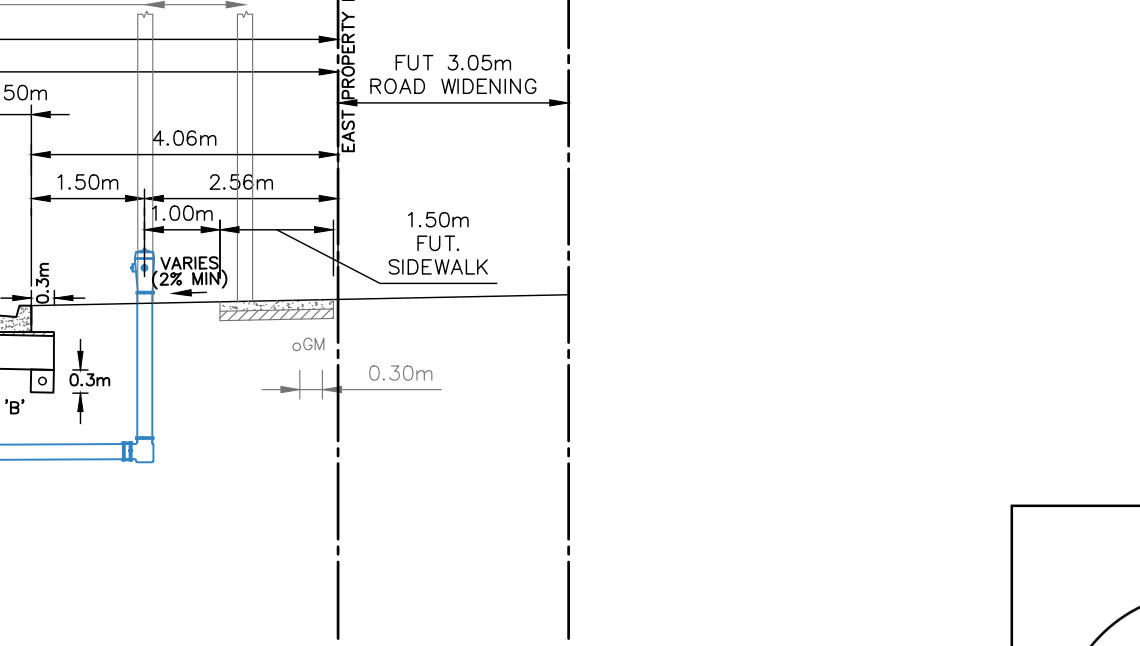
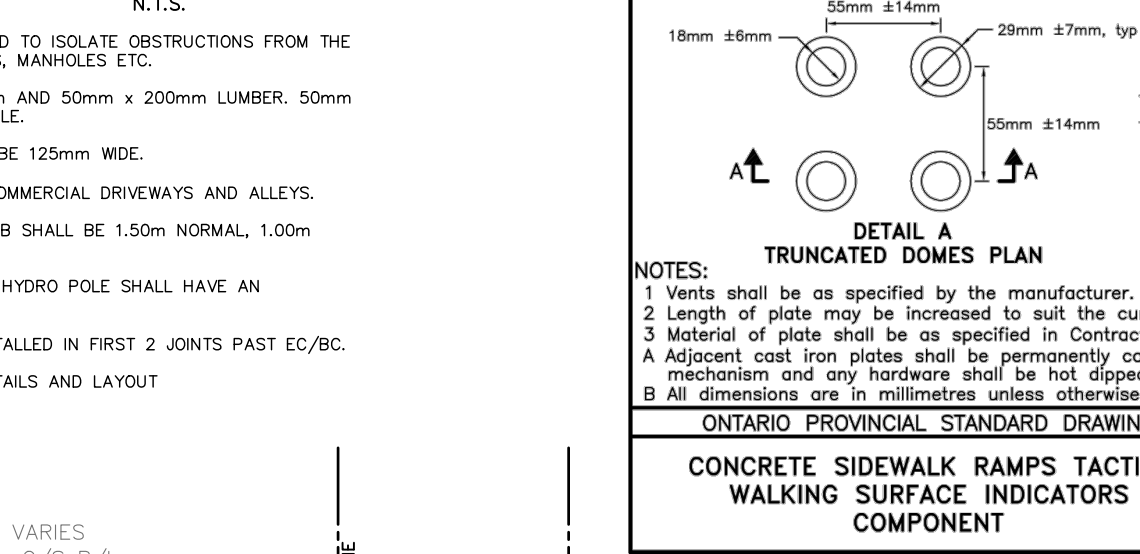
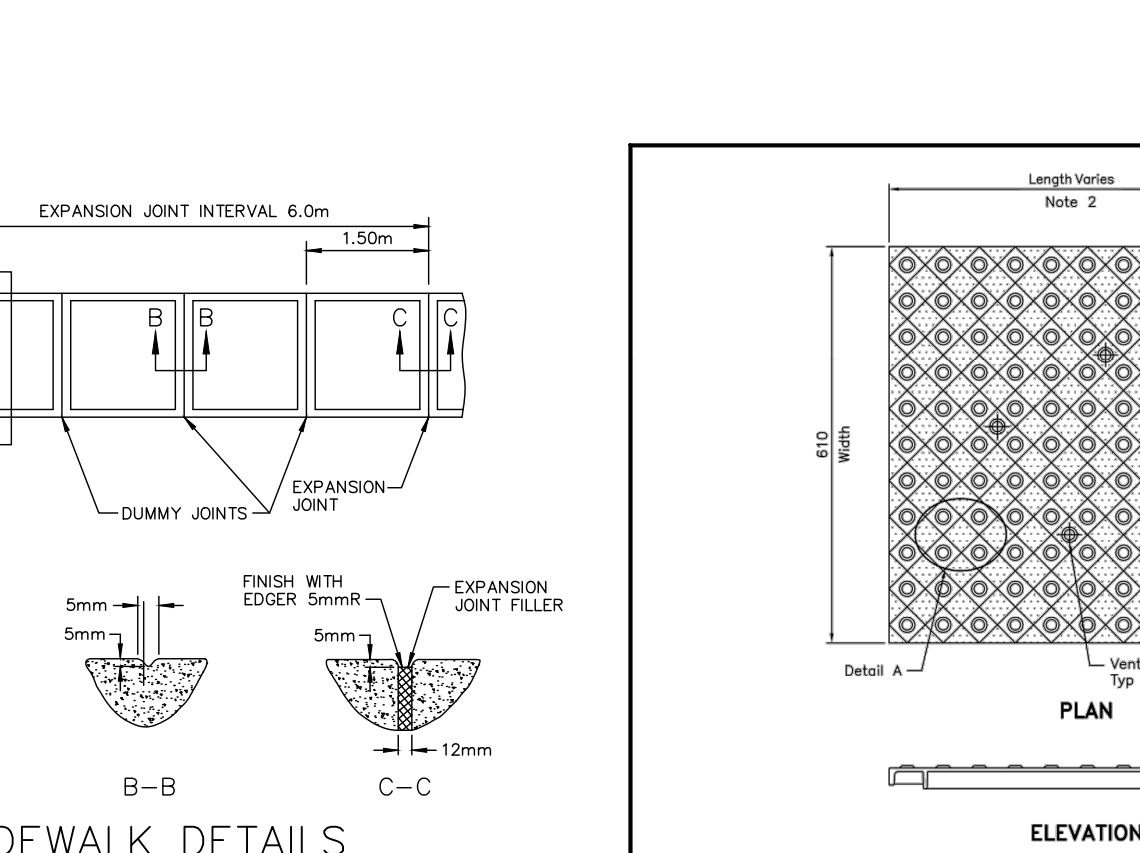
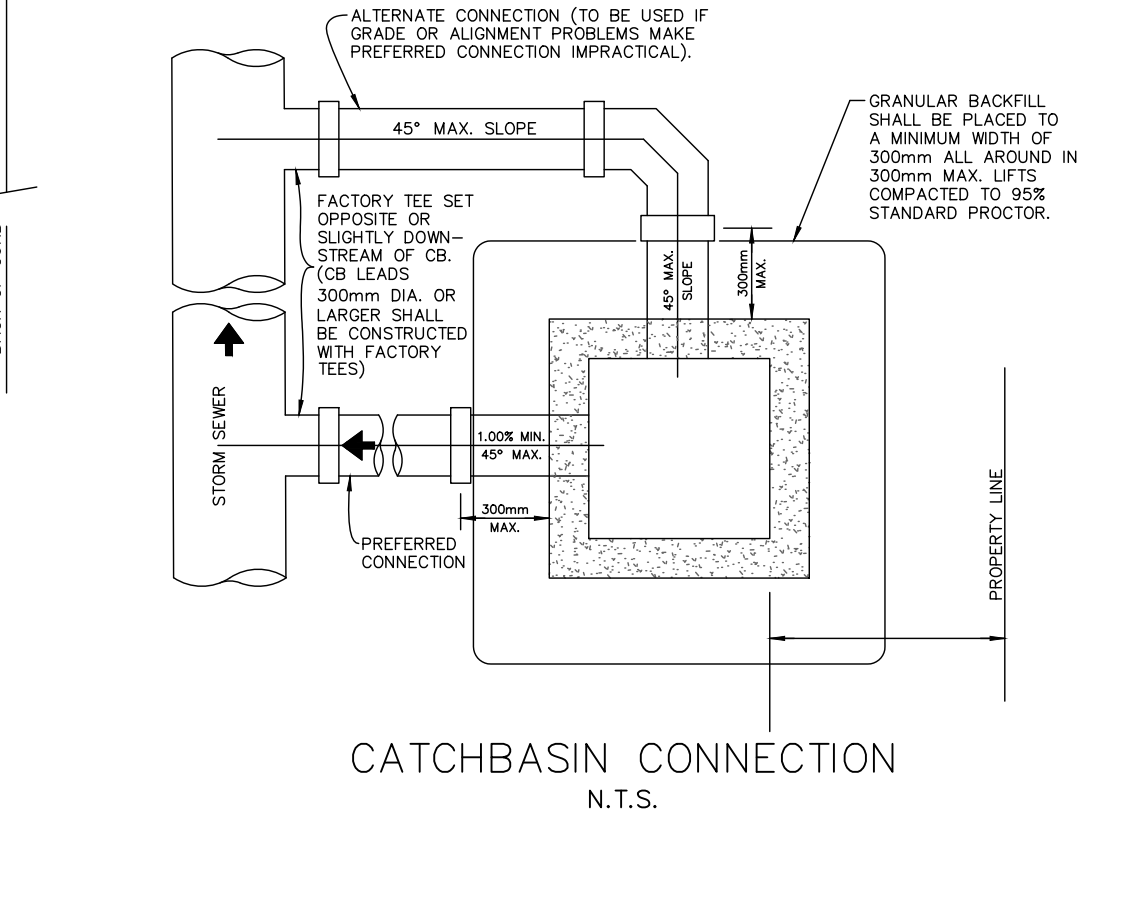
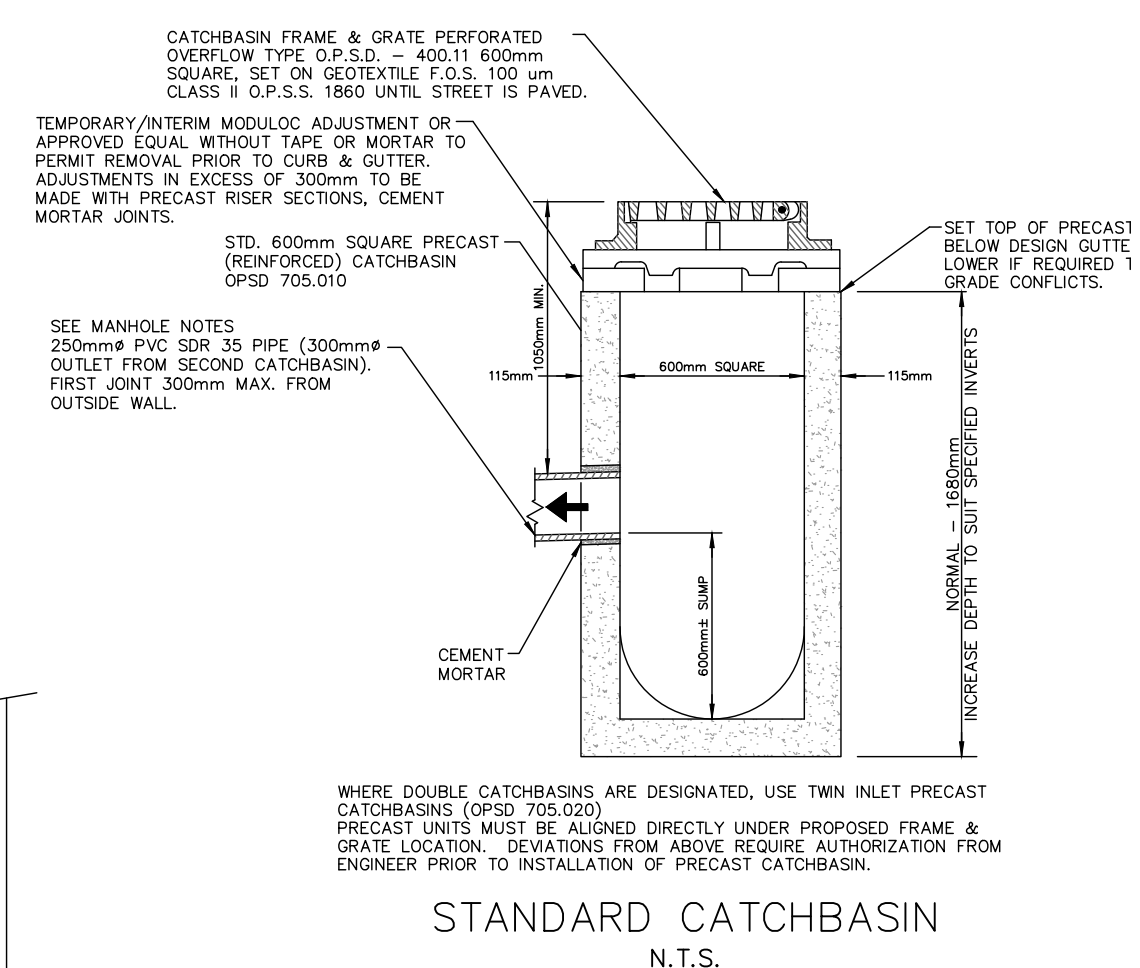
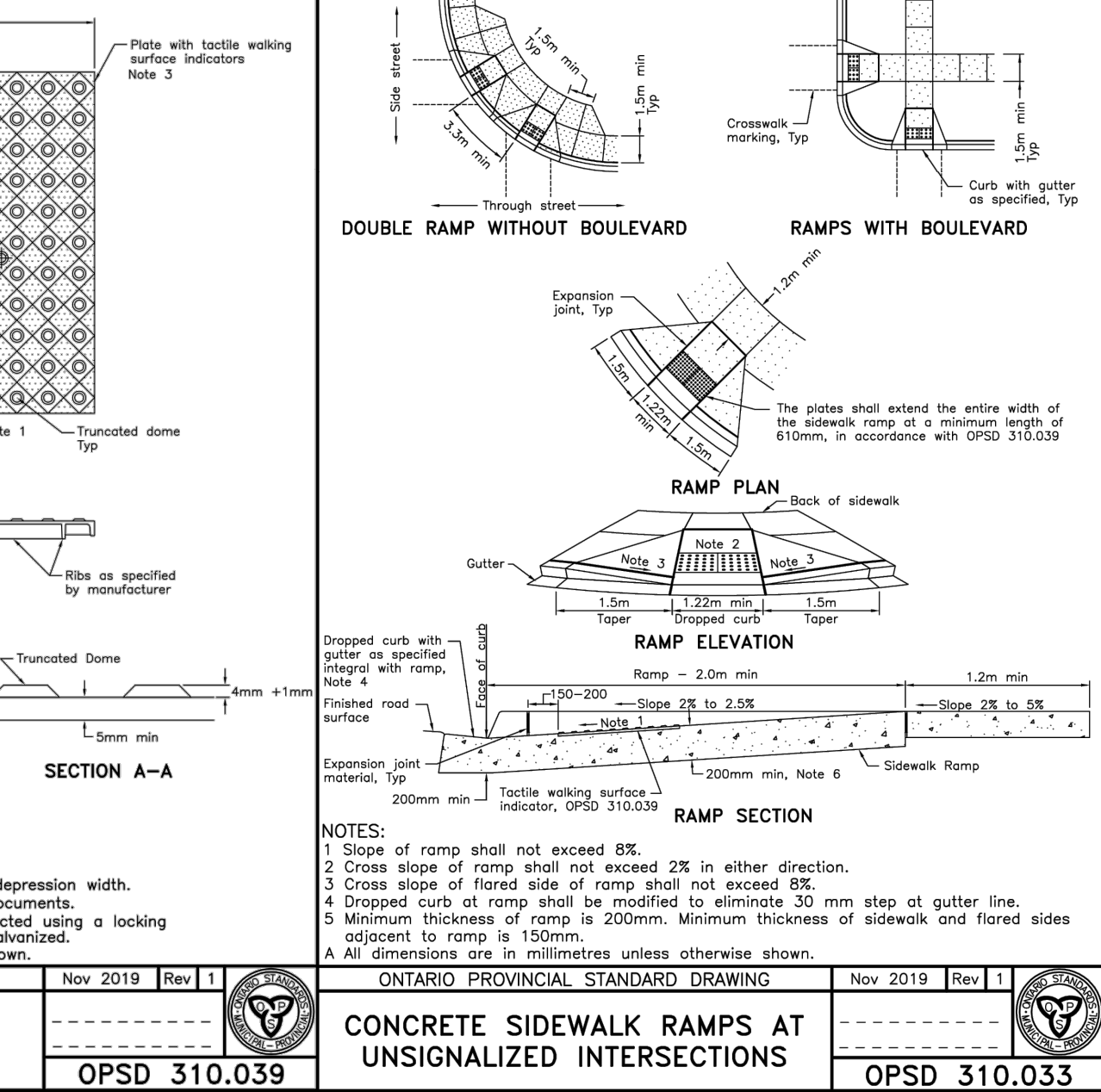
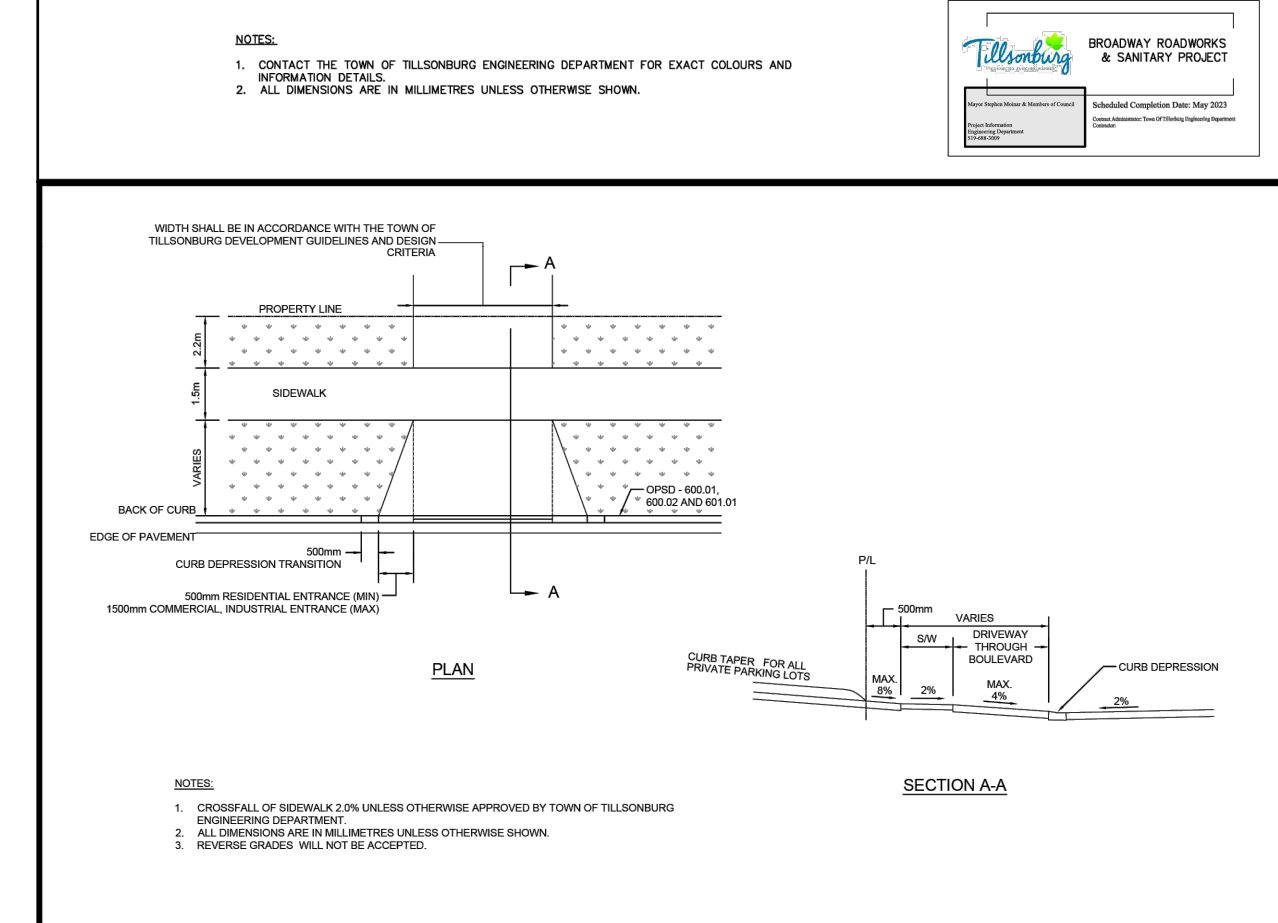
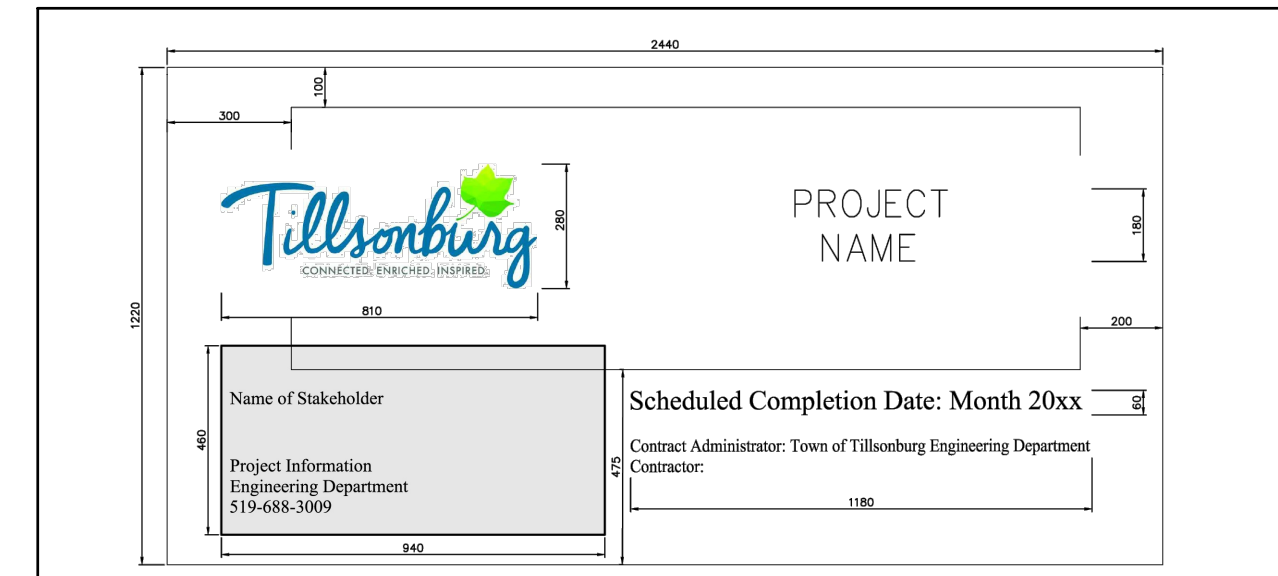
DATE: 02 AUG 2022

DRAWING No.



**GENERAL NOTES**

- TIME IS OF THE ESSENCE, REFER TO CONTRACT DOCUMENTS.
- ALL WATER AND SANITARY WORKS SHALL BE IN ACCORDANCE WITH OXFORD COUNTY DESIGN GUIDELINES AND SPECIFICATIONS.
- THE INSTALLATION AND CONSTRUCTION OF STORM SEWERS AND ROADWORKS SHALL BE IN ACCORDANCE WITH THE TOWN OF TILLSONBURG, SUBDIVISION AND DEVELOPMENT GUIDELINES, DESIGN CRITERIA.
- JOINT UTILITY TRENCH— THE SERVING CONTRACTOR SHALL INSTALL DUCTS FOR UTILITY ROAD CROSSING PRIOR TO PLACING GRAVEL ROAD BASE. ROAD CROSSING MUST BE SCHEDULED IN COOPERATION WITH TILLSONBURG HYDRO INC. (DEREK SCHONWILLE 842-9200) WITH 72 HRS. (MIN) NOTICE REQUIRED.
- THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING ALL POTENTIALLY CONFLICTING UTILITIES, INCLUDING EXISTING WATERMANS AND SEWERS FOR GRADE CHECKS BEFORE LAYING ANY PIPES. THE CONTRACTOR SHALL PERMIT REASONABLE ACCESS TO UTILITY COMPANIES TO ADJUST UTILITIES IN CONFLICT.
- THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND REPORT ANY DISCREPANCIES TO ENGINEER FOR RESOLUTION BEFORE STARTING CONSTRUCTION. ALL CHANGES ARE ALONG CENTRELINE OF ROAD ALLOWANCES OR SEWER EASEMENTS UNLESS OTHERWISE NOTED.
- DATUM IS GEODETIC, RELATED TO MNN BENCHMARK 20068001, A BRASS TABLET SET FLUSH IN CONCRETE CULVERT ON WEST SIDE OF HWY 19, 0.35km SOUTH OF KESWICK ROAD. CVD28:78 ELEVATION 268.990m; OTHER BENCHMARKS SHOWN ON THE DRAWINGS ARE NOT GUARANTEED BY CYRIL J. DEMEYERE LIMITED. THE CONTRACTOR MUST USE MORE THAN ONE BENCHMARK FOR ANY LAYOUT AND MUST IMMEDIATELY REPORT ANY ELEVATION DIFFERENCES IN THE BENCHMARKS USED TO CYRIL J. DEMEYERE LIMITED. CYRIL J. DEMEYERE LIMITED WILL THEN CONFIRM THE CORRECT BENCHMARK ELEVATION TO BE USED FOR LAYOUT.
- THE CONTRACTOR SHALL MAINTAIN THE FLOW OF ALL EXISTING DRAINS ENCOUNTERED, WHETHER SHOWN ON DRAWINGS OR NOT AND SHALL, WHERE REQUESTED, CONNECT THE DRAINS INTO STORM SEWERS. ANY ABANDONED PIPES NOT REMOVED SHALL BE CAPPED OR SEALED WITH CEMENT MORTAR.
- GAS LINES MUST BE SUPPORTED IN ACCORDANCE WITH ENBRIDGE GAS SPECIFICATIONS FOR GAS LINE SUPPORTS.
- ALL SEWERS AND WATERMANS, INCLUDING CATCHBASIN LEADS AND PRIVATE DRAIN CONNECTIONS, WHETHER EXISTING OR INSTALLED BY THIS CONTRACT, WHICH ARE EXPOSED BY A TRENCH, EXCAVATED FOR A PIPE CROSSING TO BE INSTALLED AT A LOWER GRADE OR UNDERMINED FOR ANY OTHER REASON, SHALL BE SUPPORTED WITH WELL COMPACTED STONE BEDDING EXTENDING TO THE LOWER PIPE BEDDING. THE DIFFERENCE IN PIPE ELEVATIONS IS SUFFICIENT TO ALLOW COMPACTION OF BACKFILL BELOW THE UNDERMINED PIPE WITH A HOE PAC, THE REQUIREMENT OF STONE WILL BE REDUCED TO THE DEPTH OF BEDDING INACCESSIBLE BY HOE PAC.
- PIPE BEDDING AND BACKFILL SHALL BE IN ACCORDANCE WITH THE SEWER AND SERVING DETAIL DRAWING. CLEAN BACKFILL (SAND & CLAY) IS ACCEPTABLE. ALL TRENCH BACKFILL SHALL BE UNIFORMLY COMPACTED IN ACCORDANCE WITH SPECIFICATIONS. MANHOLES AND CATCHBASINS SHALL HAVE GRANULAR BACKFILL PLACED FOR 300 mm MINIMUM ON ALL SIDES.
- ALL MANHOLES ARE 1200mmØ UNLESS OTHERWISE SHOWN IN PROFILE. MANHOLES SHALL BE ADJUSTED TO GRADE OF THIS CONTRACT; SEE TYPICAL X-SECTIONS.
- STORM AND SANITARY PDC'S SHALL BE LAID AT MINIMUM GRADE UNLESS RECOMMENDED DEPTHS ARE EXCEEDED OR A GRADE CONFLICT WILL RESULT. MARKERS FOR SANITARY PDC'S MUST BE PAINTED BEFORE STORM PDC'S ARE INSTALLED. DEVIATIONS FROM MINIMUM GRADE/DEPTH MUST BE APPROVED BY THE ENGINEER. SANITARY AND STORM LATERALS TO BE PLACED 1.0m PAST PROPERTY LINE. MINIMUM DEPTH OF SANITARY SERVICES AT PROPERTY LINE IS 2.4m. STORM PDC'S AND CATCHBASIN LEADS SHALL NOT BE CONNECTED TO STORM MAINLINE WITHIN 1.2m ON EITHER SIDE OF A MAINLINE PIPE BEND.
- ALL SEWERS, INCLUDING MAINLINES, CB LEADS AND PDC'S, SHALL MAINTAIN A MINIMUM OF 500mm VERTICAL CLEARANCE FROM OUTSIDE OF PIPE WHEN CROSSING OVER WATERMANS AND MINIMUM 150mm VERTICAL CLEARANCE WHEN CROSSING UNDER WATERMANS.
- AS PER TOWN OF TILLSONBURG DESIGN CRITERIA, EXTERNAL DROP STRUCTURES PER OPSD 1003.010 SHALL BE PROVIDED IN STORM MANHOLES WHEN THE DIFFERENCE IN ELEVATION BETWEEN INVERTS OF AN INLET PIPE AND AN OUTLET PIPE EXCEED 0.9m.
- AS PER OXFORD COUNTY DESIGN GUIDELINES, EXTERNAL DROP STRUCTURES PER OPSD 1003.010 SHALL BE PROVIDED IN SANITARY MANHOLES WHEN THE DIFFERENCE IN ELEVATION BETWEEN INVERTS OF AN INLET PIPE AND AN OUTLET PIPE EXCEED 0.6m.
- WATERMAIN AND SERVICES**
  - ALL VALVES MUST BE OPERATED BY THE TOWN OF TILLSONBURG WATER DEPT.
  - WATERMAIN SHALL BE INSTALLED TO GRADES SHOWN. MAXIMUM PERMISSIBLE JOINT DEFLECTION ON PVC WATERMAIN PIPE SHALL BE 2.0" (0.21 m PER 6.1 m LENGTH). BENDING OF PIPE BARREL IS NOT ALLOWED. CONTRACTOR SHALL USE SHORTENED PIPE OR FACTORY BENDS WHERE NECESSARY OR AS NOTED TO MAINTAIN DESIGN ALIGNMENT SUBJECT TO THE APPROVAL OF THE ENGINEER. SEPT HYDRANT AND VALVE BOXES TO DESIGN GRADES SHOWN ON PROFILES ON THIS CONTRACT.
  - ALL NON-METALIC WATER SERVICES SHALL BE MINIMUM 25mmØ CTS AS PER OXFORD COUNTY DESIGN GUIDELINES AND SUPPLEMENTAL SPECIFICATIONS. SERVICE MATERIAL AS PER OXFORD COUNTY DESIGN GUIDELINES AND SUPPLEMENTAL SPECIFICATIONS.
  - FUTURE USE SERVICES TO RECEIVE 160 POLY RISERS TO THE SURFACE TO BLOW OFF AIR AND CHLORINE.
  - THRUST RESTRAINT SHALL BE PLACED ON EXISTING WATERMAIN PIPE AT CONNECTIONS TO NEW WATERMAIN IN ACCORDANCE WITH COUNTY DESIGN GUIDELINES. PAYMENT IS INCLUDED IN LUMP SUM BID FOR CONNECTIONS.
  - ANODES WILL BE REQUIRED ON EXISTING CAST OR DUCTILE IRON WATERMAIN AT POINTS OF CONNECTION. HYDRANT BOOTS AND VALVES SHALL BE EPOXY COATED.
  - DECLORINATION OF WATER USED FOR WATERMAIN DISINFECTION IS REQUIRED PRIOR TO RELEASE TO STORM SEWER.
  - DENSO PASTE AND TAPE IS REQUIRED ON ALL NON-STAINLESS STEEL OR EPOXY COATED NUTS, BOLTS AND THRUST RESTRAINTS.
  - HYDRANTS, HYDRANT VALVES AND MAINLINE VALVES SHALL OPEN COUNTER-CLOCKWISE.
  - TEMPORARY CAPPING OF EXISTING WATERMANS REQUIRED TO MAINTAIN SERVICE AND ALLOW INSTALLATION OF THE NEW WATERMAIN ARE TO BE INCLUDED IN PIPE PRICES.
  - THRUST RESTRAINT FOR PRESSURE MAINS SHALL BE IN ACCORDANCE WITH THE OXFORD COUNTY DESIGN GUIDELINES AND SUPPLEMENTAL SPECIFICATIONS.
    - ALL FITTINGS, BENDS, TEES, HYDRANT TEES, VALVES, CROSSES, REDUCERS UP TO 200mmØ SHALL BE RESTRAINED TO THE PIPE ALONG WITH A MINIMUM OF 3 FULL PIPE LENGTH JOINTS (18m) MEASURED FROM EACH SIDE OF APPURTENANCE
    - ALL 250mmØ TO 300mmØ FITTINGS, BENDS, TEES, HYDRANT TEES, VALVES, CROSSES, REDUCERS SHALL BE RESTRAINED TO THE PIPE ALONG WITH A MINIMUM OF 4 FULL PIPE LENGTH JOINTS (24m) MEASURED FROM EACH SIDE OF APPURTENANCE.
    - PLUGGED OR CAPPED DEAD-ENDS UP TO 200mmØ SHALL BE RESTRAINED TO THE PIPE ALONG WITH A MINIMUM OF 4 FULL PIPE LENGTH JOINTS (24m) MEASURED FROM END OF PIPE.
    - ALL 250mmØ TO 300mmØ PLUGGED OR CAPPED DEAD-ENDS SHALL BE RESTRAINED TO THE PIPE ALONG WITH A MINIMUM OF 6 FULL PIPE LENGTH JOINTS (36m) MEASURED FROM THE END OF PIPE.
  - ALL WATER SERVICES TO HAVE 0.5m SEPARATION FROM STORM SERVICES. INSULATE AS REQUIRED.
  - TRACER WIRE SHALL BE IN ACCORDANCE WITH OXFORD COUNTY DESIGN GUIDELINES AND SPECIFICATIONS INCLUDING DETAIL D 1846-1-2009 ON WATERMAIN DETAILS DRAWING. TRACER WIRE CONNECTIONS TO BE INSTALLED AS PER OXFORD COUNTY DETAIL D1858-1-2016 ON WATERMAIN DETAILS DRAWING.
- THE WIDTH OF GRANULAR BASE SHALL BE AS PER CROSS-SECTIONS. RADII SHOWN ARE TO BACK OF CURB.
- THE CONTRACTOR SHALL AVOID DAMAGE TO EXISTING FENCES, TREES AND PAVEMENT AND SHALL BE RESPONSIBLE FOR THE COST OF ANY REPAIRS. TRACKING OF CLEARED EQUIPMENT WILL NOT BE PERMITTED ON PAVED SURFACES.
- THE CONTRACTOR MUST USE LASER EQUIPMENT FOR GRADING OPERATIONS. INSTALL 1.8 m T-RAIL STEEL FENCE POSTS AT ALL R.O.W. PROPERTY BARS (OR AT WOOD STAKES IF PROPERTY BARS NOT INSTALLED) BEFORE COMMENCING CONSTRUCTION IF REQUESTED. T-RAILS SHALL BE LOCATED 150 mm ON STREET SIDE WITH "T" POINTING TO BAR. THE CONTRACTOR MUST NOT DISTURB THIS CONTROL.
- THE EARTH GRADING CONTRACTOR HAS STRIPPED THE TOPSOIL TO 27.0m ONTO THE LOTS AND STOCKPILED AS DIRECTED ON SITE. THE MATERIAL ALONG WITH HIGH SPOTS IN THE R.O.W. AND HIGH LOTS WAS USED TO RAISE THE R.O.W TO 0.4m BELOW D.P.G AND 3m BEYOND THE FRONT PROPERTY LINE. THE SERVING CONTRACTOR SHALL CONSTRUCT THE ROADWAY TO SUBGRADE AND BUILD BOULEVARDS TO FINISHED GRADE. EARTH FILL, INCLUDING TRENCH BACKFILL, MUST BE PLACED IN 300mm MAX. UNIFORM HORIZONTAL LIFTS (ALL CLAY LUMPS MUST BE CRUSHED) AND COMPACTED TO 95% PROCTOR. INTERFACES OF FILL WITH ALL SLOPES MUST BE KEPT WITH 300mm MAX. STEPS.
- THE SERVING CONTRACTOR SHALL MAINTAIN ROAD CLEANLINESS ON A DAILY BASIS THROUGHOUT THE DURATION OF THE CONTRACT WHICH WILL INCLUDE SWEEPING ON A DAILY BASIS WHERE AND WHEN REQUIRED OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR. THE COST OF WHICH IS TO BE INCLUDED IN APPROPRIATE UNIT PRICES.
- SILT MIGRATION — THE CONTRACTOR SHALL INSTALL SILT FENCES AND PLACE STRAW BALES AS NECESSARY TO ADDRESS SILT MIGRATION TO THE SATISFACTION OF THE MINISTRY OF NATURAL RESOURCES, LONG POINT REGION CONSERVATION AUTHORITY, MINISTRY OF THE ENVIRONMENT OR ANY OTHER REGULATORY AGENCY OR MINISTRY AND, IN PARTICULAR, TO THE GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES (MNR). THE CONTRACTOR SHALL ASSUME THE DEFENSE OF AND INDEMNIFY AND SAVE HARMLESS THE TOWN OF TILLSONBURG, COUNTY OF OXFORD, THE OWNER, AND CYRIL J. DEMEYERE LIMITED FROM ALL FINES, CHARGES AND CLAIMS RELATING TO THE PROJECT FROM ANY REGULATORY AGENCY OR MINISTRY.
- THE SITE SERVING CONTRACTOR MUST DRAIN THE STORMWATER MANAGEMENT POND IN ORDER TO INSTALL THE OUTLET STRUCTURES.
- DECOMMISSIONING OF ANY ABANDONED PRIVATE SERVICES SHALL BE IN ACCORDANCE WITH THE ONTARIO WATER RESOURCES ACT, R.S.O 1990 (ONTARIO REGULATION NUMBER 903).
- ALL DISTURBED AREAS, UNLESS OTHERWISE NOTED, SHALL BE SEEDED WITH A MIXTURE OF: 55% KENTUCKY BLUE GRASS  
25% CREEPING RED FESCUE  
20% PERENNIAL RYE GRASS  
ALL AT A RATE OF 175kg/ha.  
A CELLULOSE MULCH SHALL BE APPLIED AT A RATE OF 1700kg/ha.



SCALES AS SHOWN			
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC
No.	REVISION	DATE	BY

**TOWN OF TILLSONBURG**

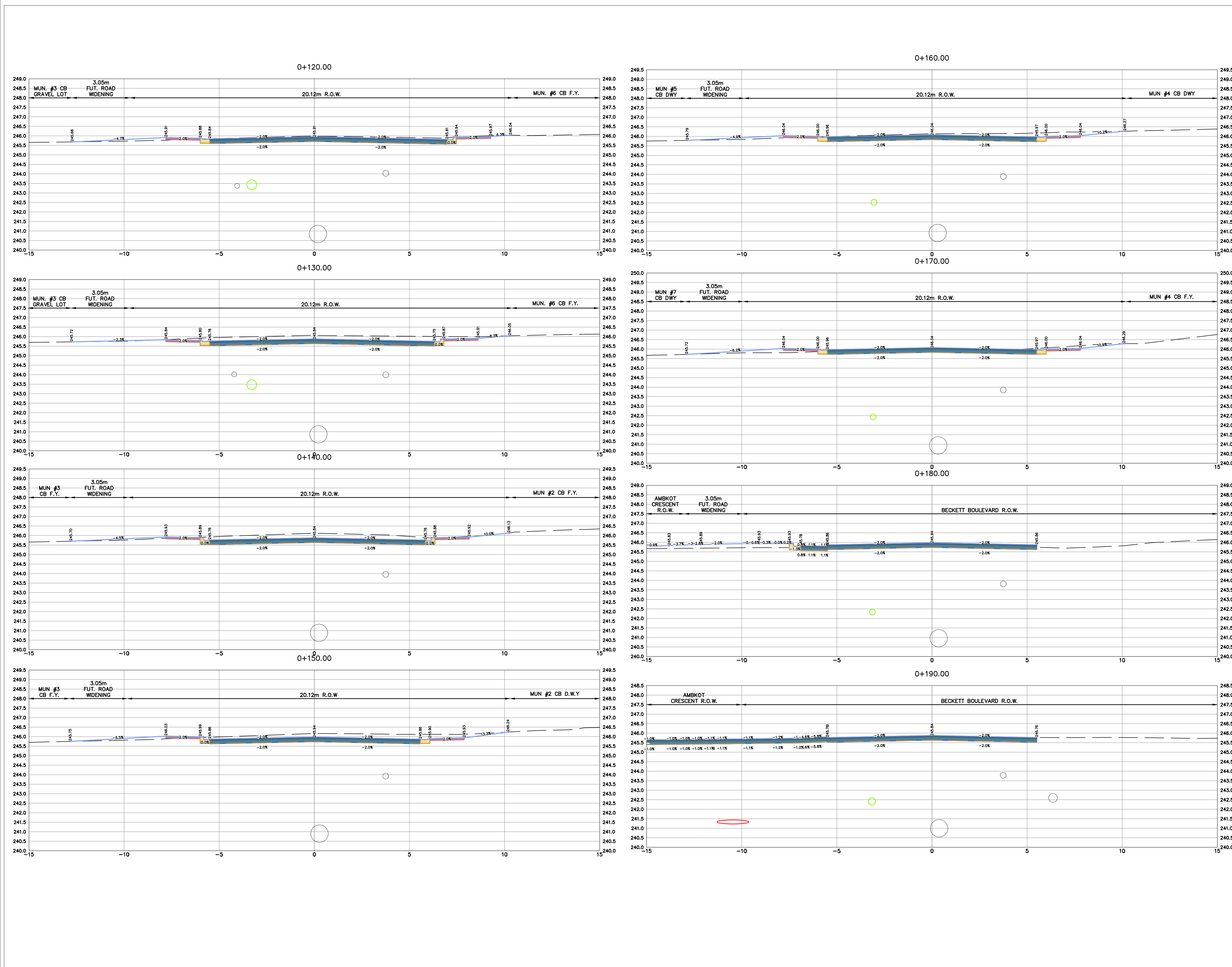
Cyril J. DemeYere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-688-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cdleng.com

**CJDL**  
Consulting Engineers

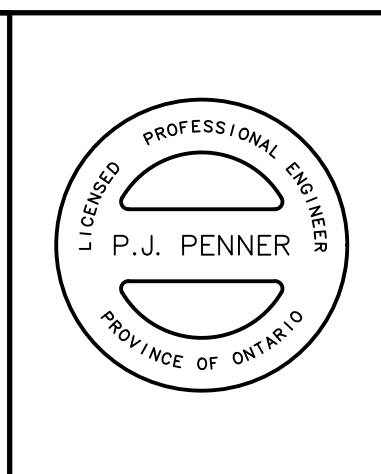
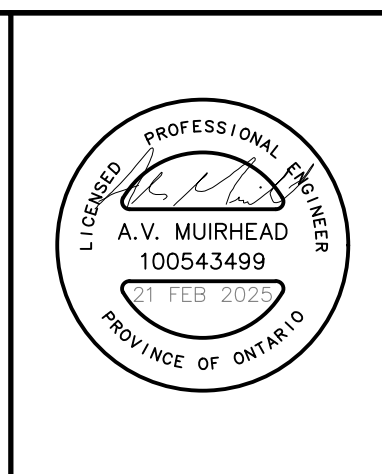
CRANBERRY ROAD RECONSTRUCTION  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
GENERAL NOTES &  
MISCELLANEOUS DETAILS

DESIGN BY: AVM DRAWN BY: AK/GD CHECKED BY: PJP  
PROJECT NO. 22014 SURVEY BY: TFM DATE: 02 AUG 2022 DRAWING No.





No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC



METRIC SCALE 1:100

PROJECT NO. 22014	SURVEY BY: TPM	DATE: 02 AUG 2022
-------------------	----------------	-------------------

**TOWN OF TILLSONBURG**

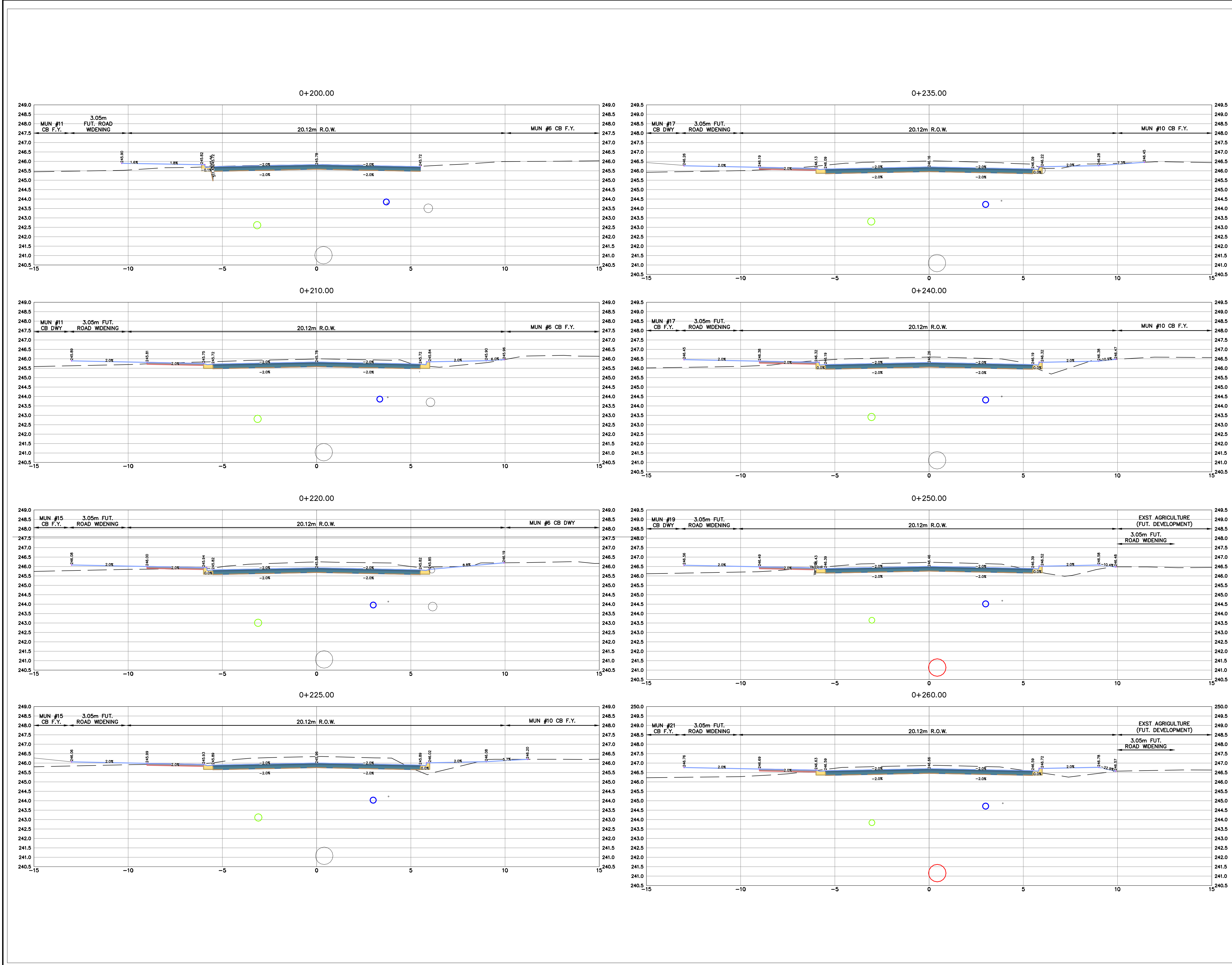
**CJDL**  
Consulting Engineers

Cyril J. Demeyere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-688-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cjdle.com

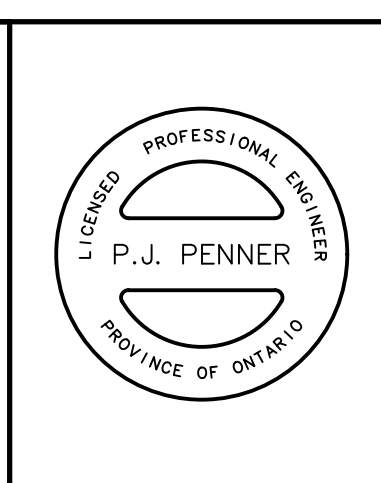
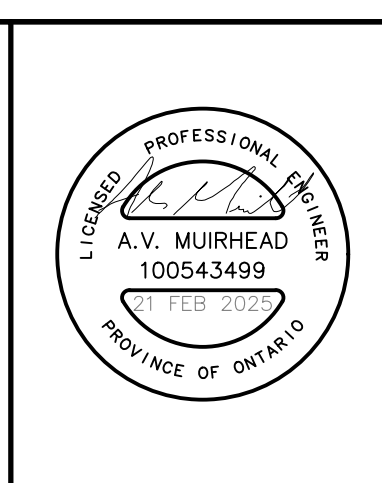
**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
SECTIONS STA 0+120 TO 0+190

DESIGN BY: AVM    DRAWN BY: AK/GD    CHECKED BY: PJP

DRAWING No. **14**



No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC



METRIC SCALE 1:100

No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

**TOWN OF TILLSONBURG**

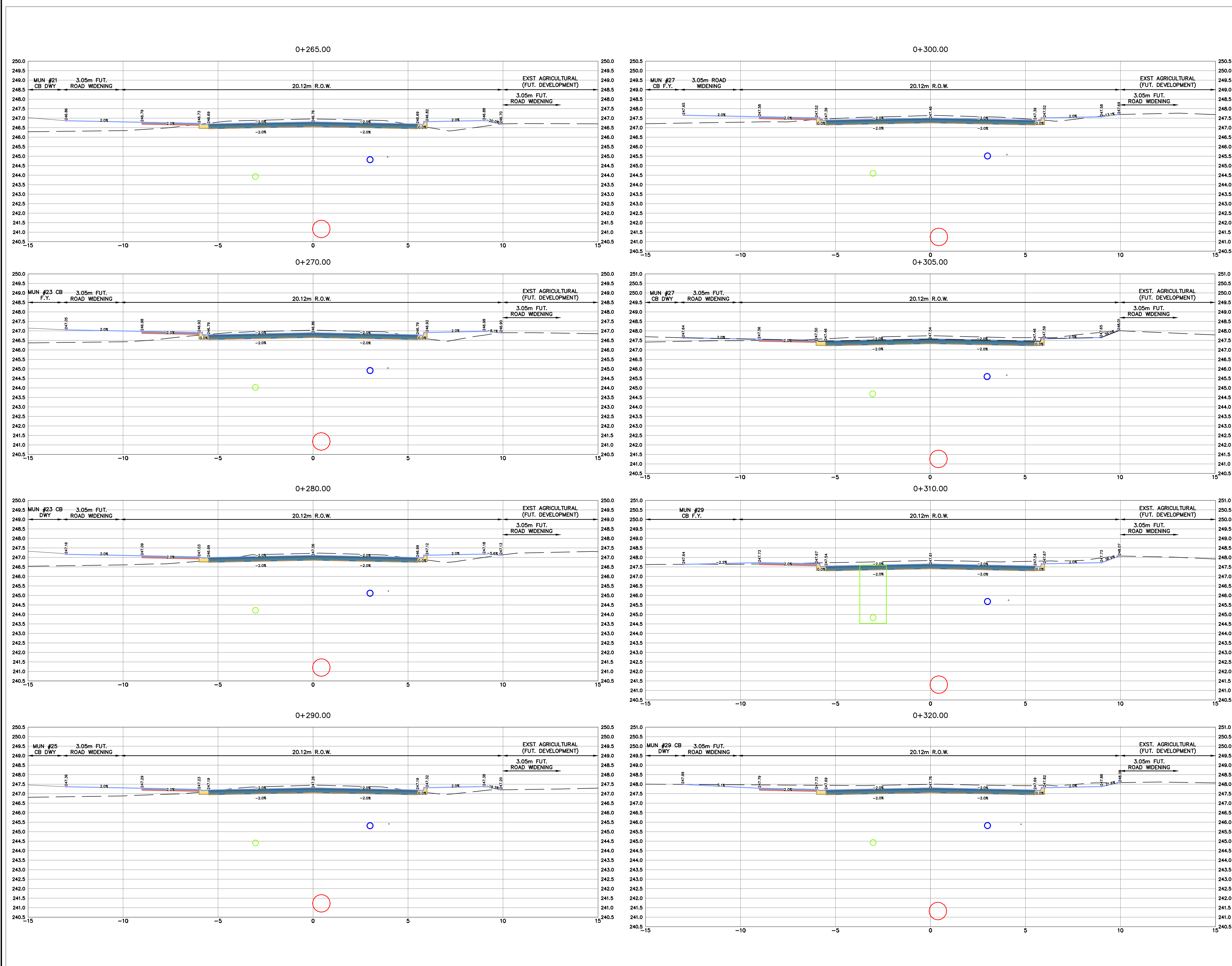
**CJDL**  
Consulting Engineers

Cyril J. Demeyere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-688-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cjdlleng.com

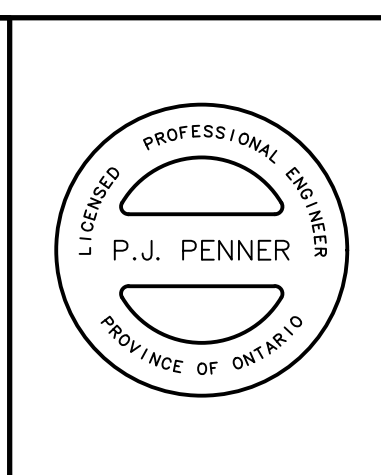
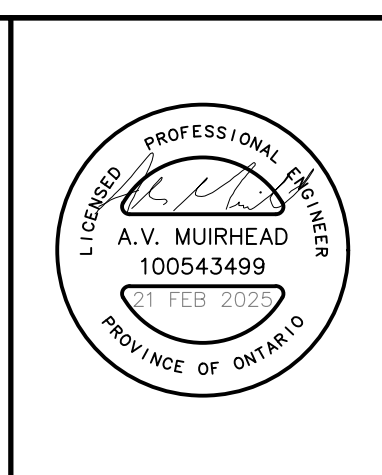
**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
SECTIONS STA 0+200  
TO 0+260

DESIGN BY: AVM    DRAWN BY: AK/GD    CHECKED BY: PJP  
PROJECT NO. 22014    SURVEY BY: TPM    DATE: 02 AUG 2022    DRAWING No. **15**





No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC



METRIC SCALE 1:100

No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

**TOWN OF TILLSONBURG**

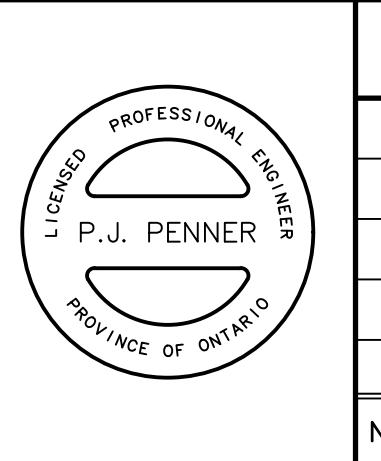
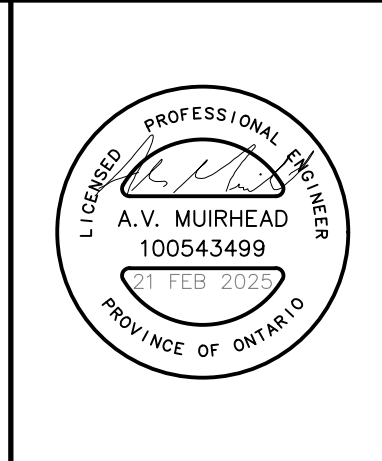
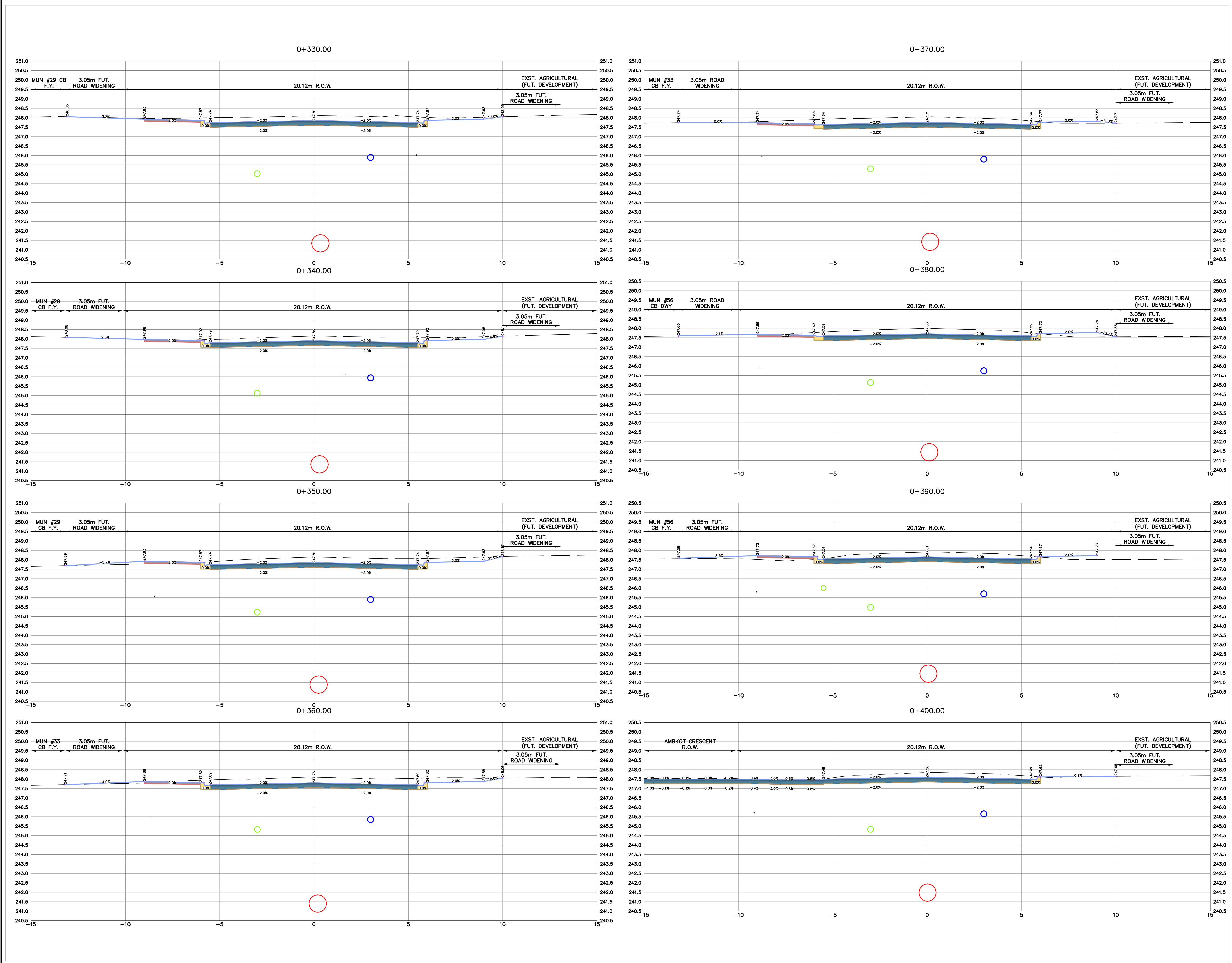
**CJDL**  
Consulting Engineers

Cyril J. Demeyere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-688-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cjdlleng.com

**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
SECTIONS STA 0+265  
TO 0+320

DESIGN BY: AVM    DRAWN BY: AK/GD    CHECKED BY: PJP  
PROJECT NO. 22014    SURVEY BY: TFM    DATE: 02 AUG 2022

DRAWING No. **16**



METRIC SCALE 1:100

No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

**TOWN OF TILLSONBURG**

**CJDL**  
Consulting Engineers

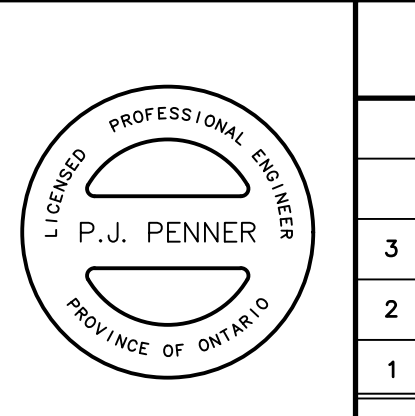
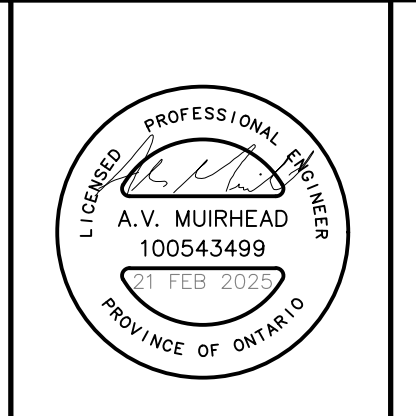
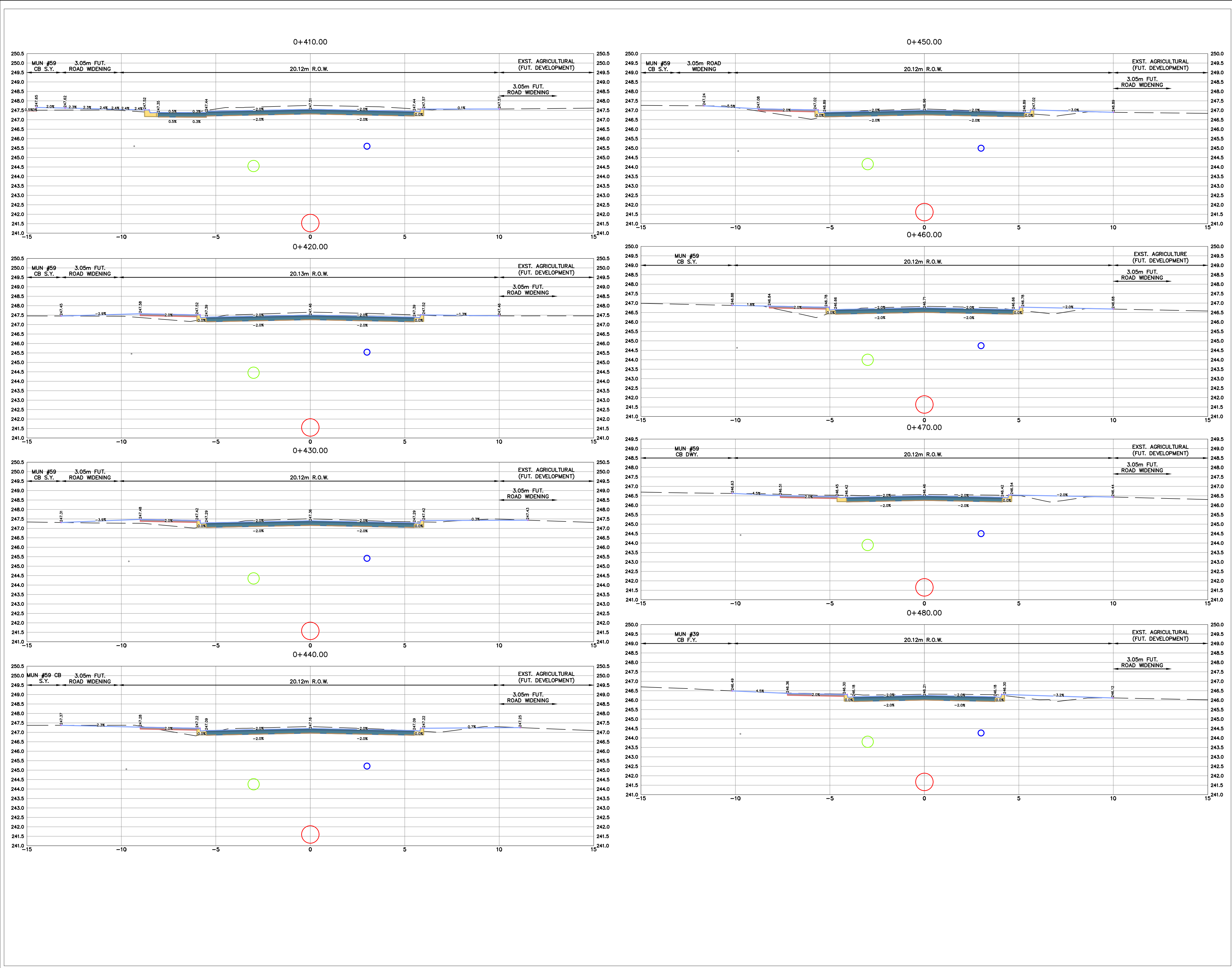
Cyril J. Demeyere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-688-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cjdlleng.com

**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
**SECTIONS STA 0+330 TO 0+400**

DESIGN BY: AVM    DRAWN BY: AK/GD    CHECKED BY: PJP  
PROJECT NO. 22014    SURVEY BY: TFM    DATE: 02 AUG 2022

DRAWING No. **17**





METRIC SCALE 1:100

No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

**TOWN OF TILLSONBURG**

**CJDL**  
Consulting Engineers

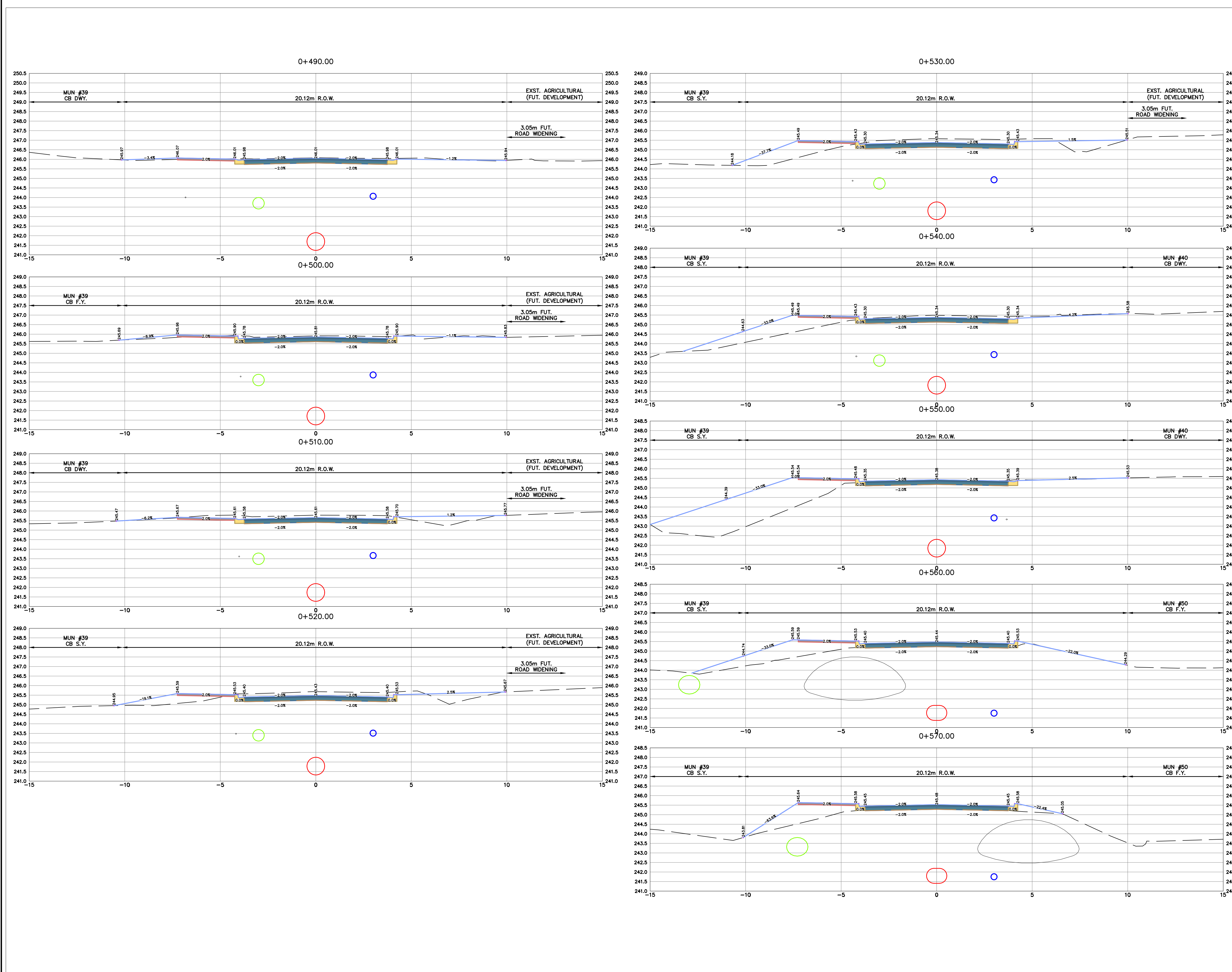
Cyril J. Demeyere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-686-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cjdeng.com

**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
**SECTIONS STA 0+410 TO 0+480**

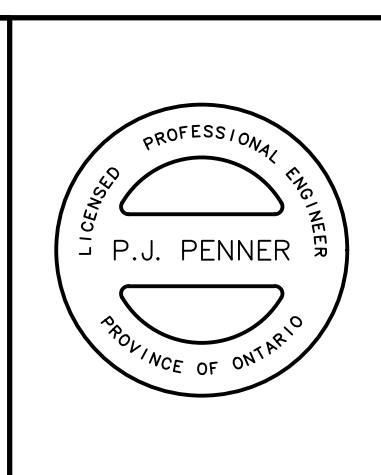
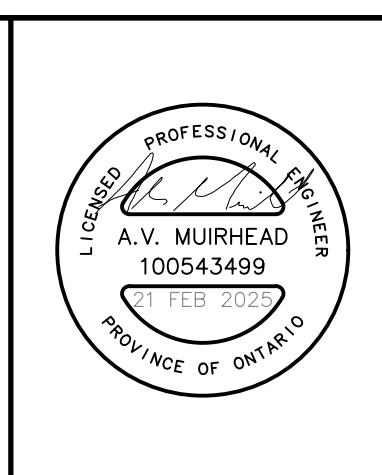
DESIGN BY: AVM    DRAWN BY: AK/GD    CHECKED BY: PJP  
SURVEY BY: TPM    DATE: 02 AUG 2022

DRAWING No. **18**

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No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC



METRIC SCALE 1:100

No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

**TOWN OF TILLSONBURG**

**CJDL**  
Consulting Engineers

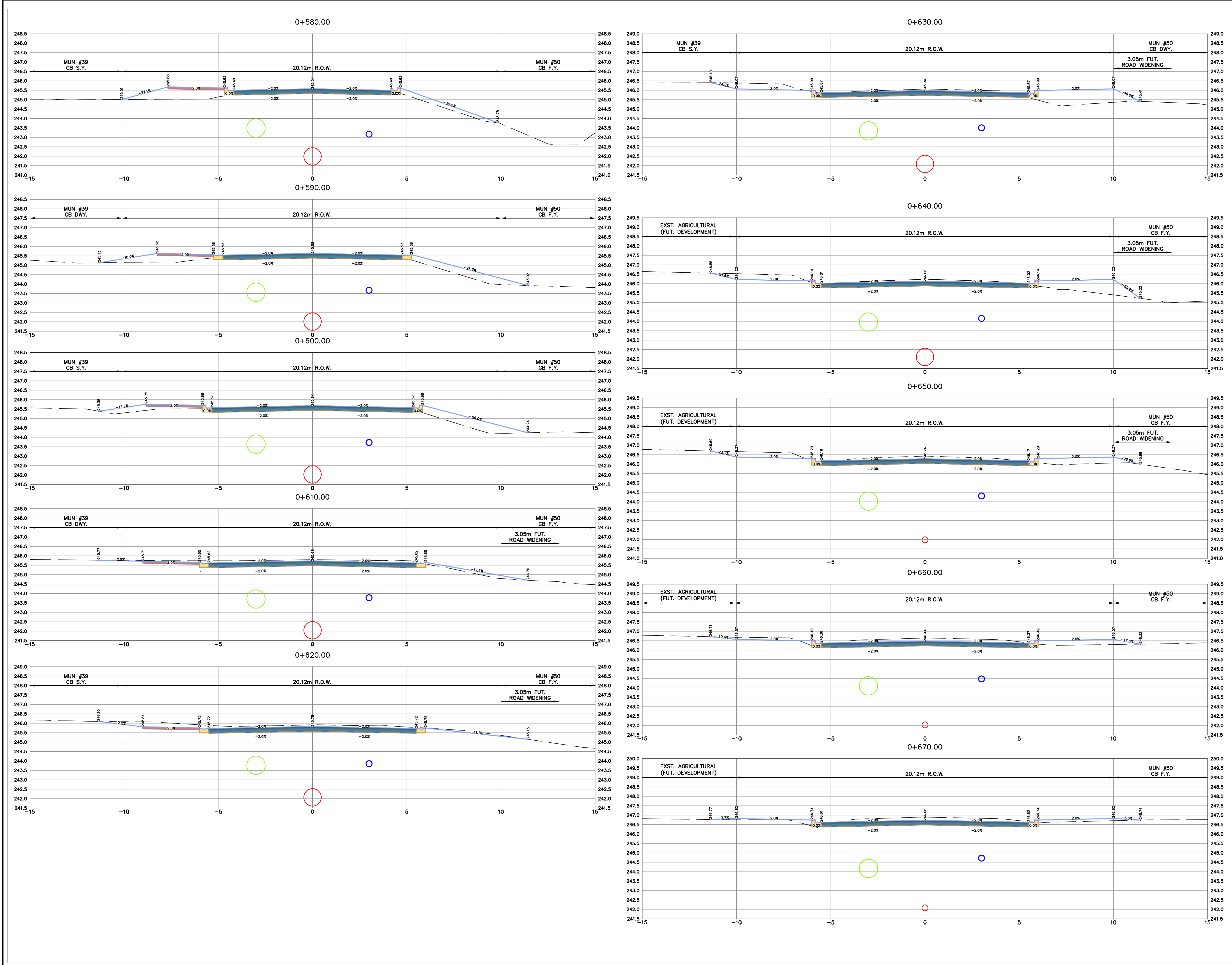
Cyril J. Demeyere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-688-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cjdlleng.com

**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
SECTIONS STA 0+490 TO  
0+570

DESIGN BY: AVM    DRAWN BY: AK/GD    CHECKED BY: PJP  
PROJECT NO. 22014    SURVEY BY: TFM    DATE: 02 AUG 2022

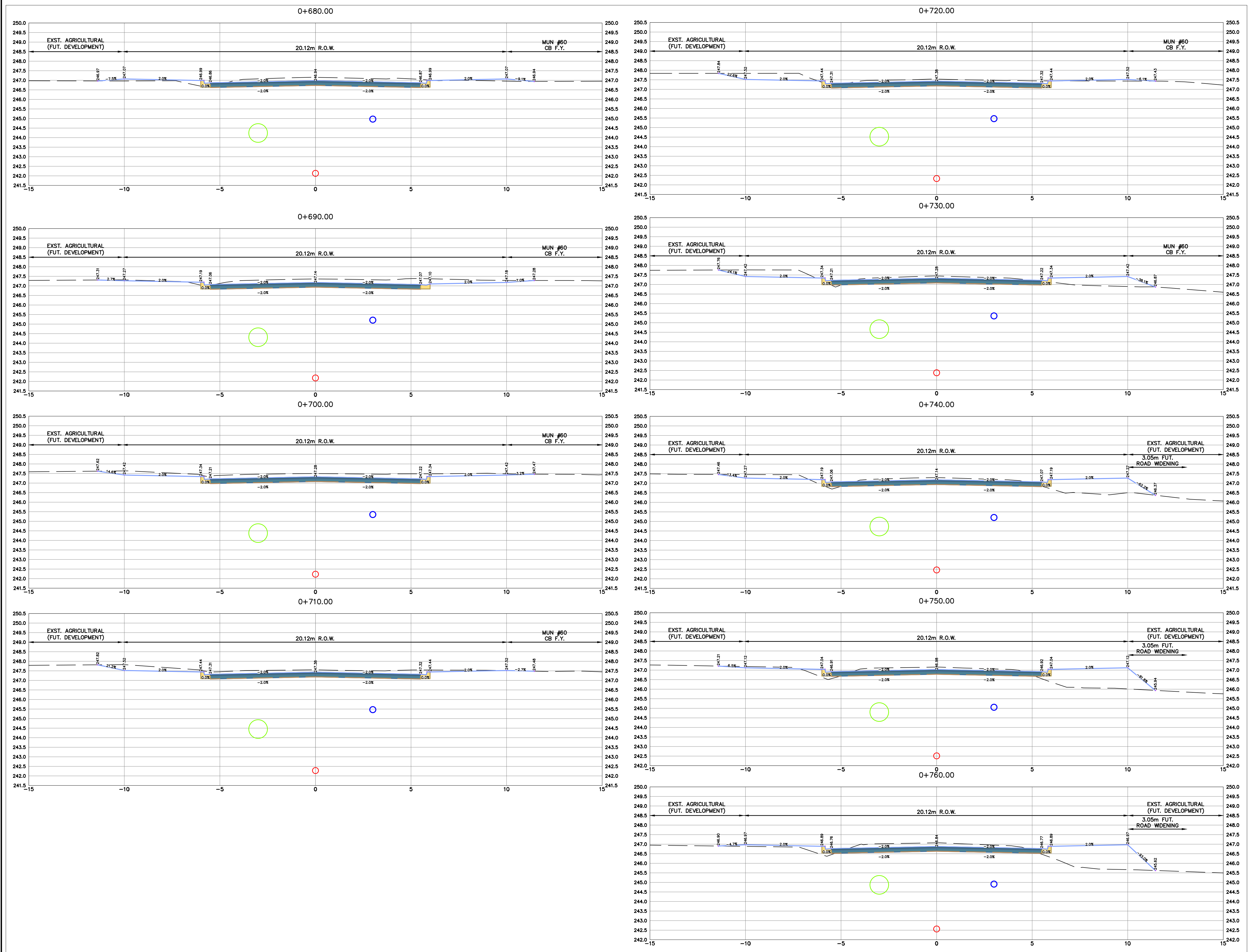
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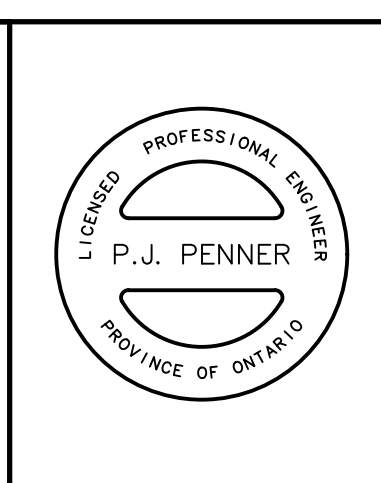
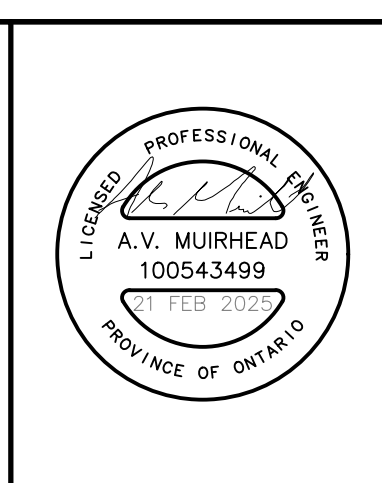


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				METRIC SCALE 1:100		<b>TOWN OF TILLSONBURG</b> 			CRANBERRY ROAD RECONSTRUCTION RFT20XX-XXX TOWN OF TILLSONBURG SECTIONS STA 0+580 TO 0+670		
				3 ISSUED FOR 90% SUBMISSION 21 FEB 2025 AVM 2 ISSUED FOR 60% SUBMISSION 13 AUG 2024 AVM 1 ISSUED FOR 30% SUBMISSION 25 JAN 2023 CJC							



No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC



METRIC SCALE 1:100

PROJECT NO. 22014	SURVEY BY: TFM	DATE: 02 AUG 2022
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**TOWN OF TILLSONBURG**

**CJDL**  
Consulting Engineers

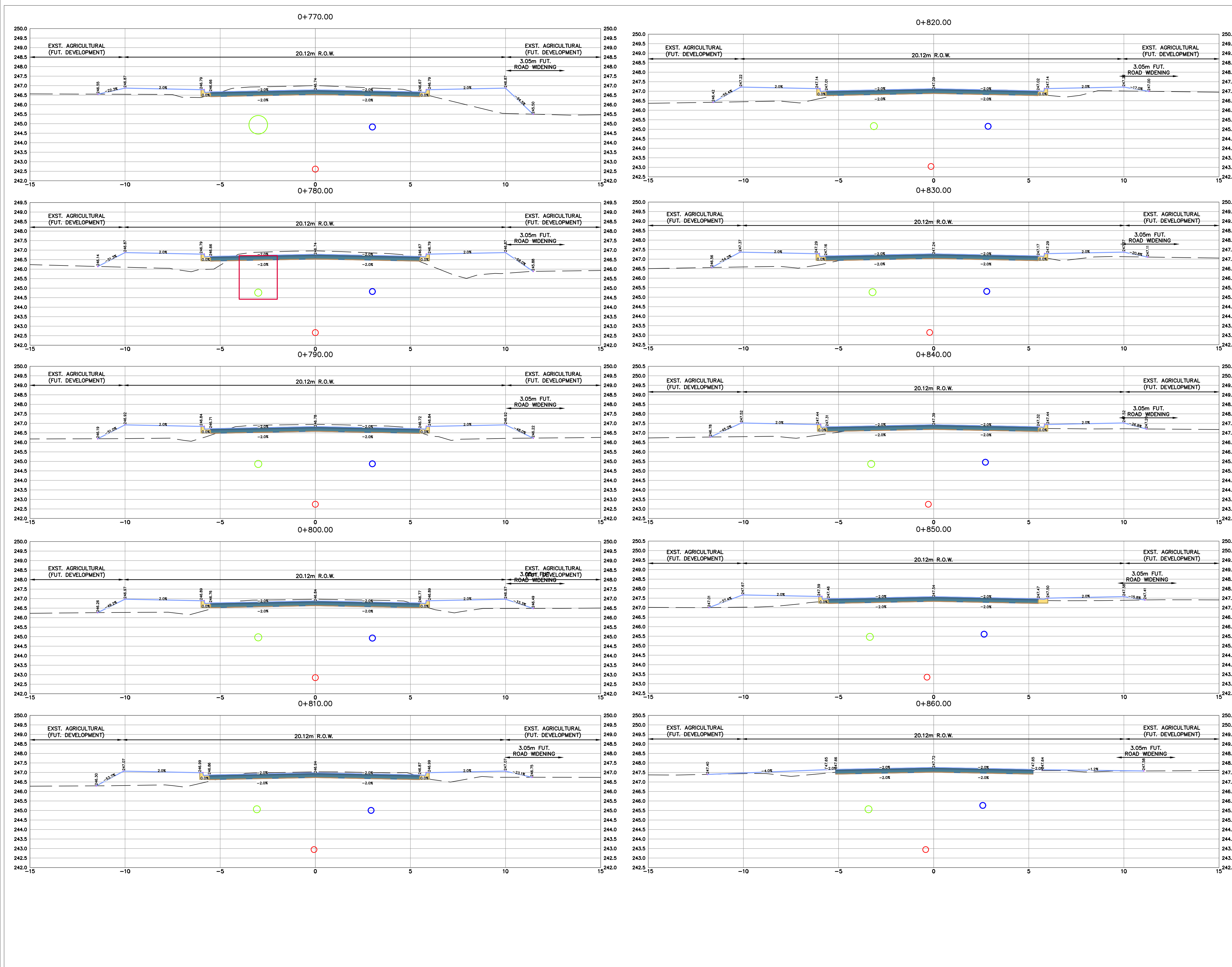
Cyril J. Demeyere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-688-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cjdlleng.com

**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
SECTIONS STA 0+680 TO  
0+760

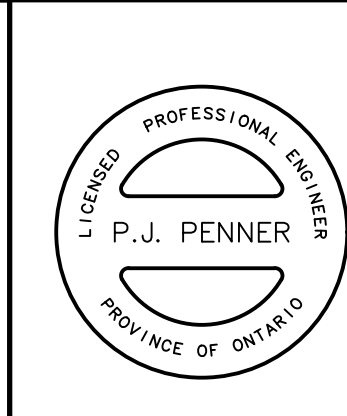
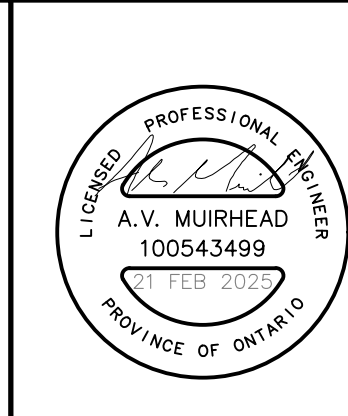
DESIGN BY: AVM | DRAWN BY: AK/GD | CHECKED BY: PJP  
DATE: 02 AUG 2022

DRAWING No. **21**





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METRIC SCALE 1:100

No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

**TOWN OF TILLSONBURG**

**CJDL**  
Consulting Engineers

Cyril J. Demeyere Limited  
P.O. Box 460, 261 Broadway  
Tillsonburg, Ontario, N4G 4H8  
Tel: 519-885-1000  
866-302-9886  
Fax: 519-842-3235  
cjd@cjdlen.com

**CRANBERRY ROAD RECONSTRUCTION**  
RFT20XX-XXX  
TOWN OF TILLSONBURG  
SECTIONS STA 0+770  
TO 0+860

DESIGN BY: AVM | DRAWN BY: AK/GD | CHECKED BY: PJP  
PROJECT NO. 22014 | SURVEY BY: TPM | DATE: 02 AUG 2022

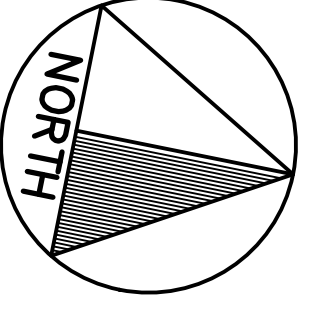
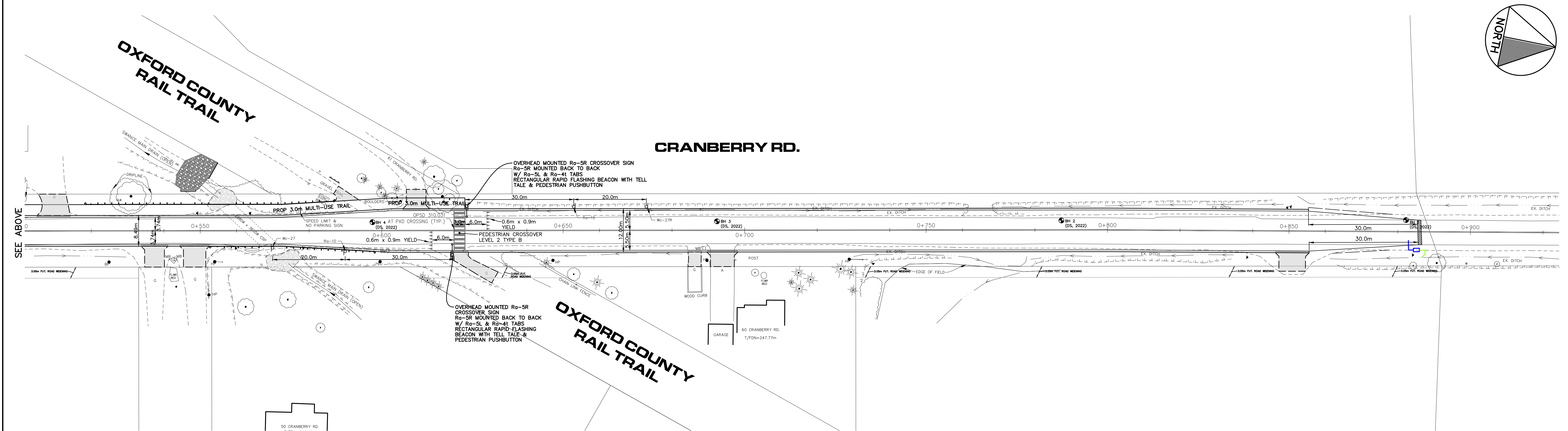
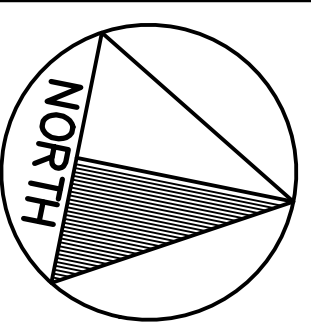
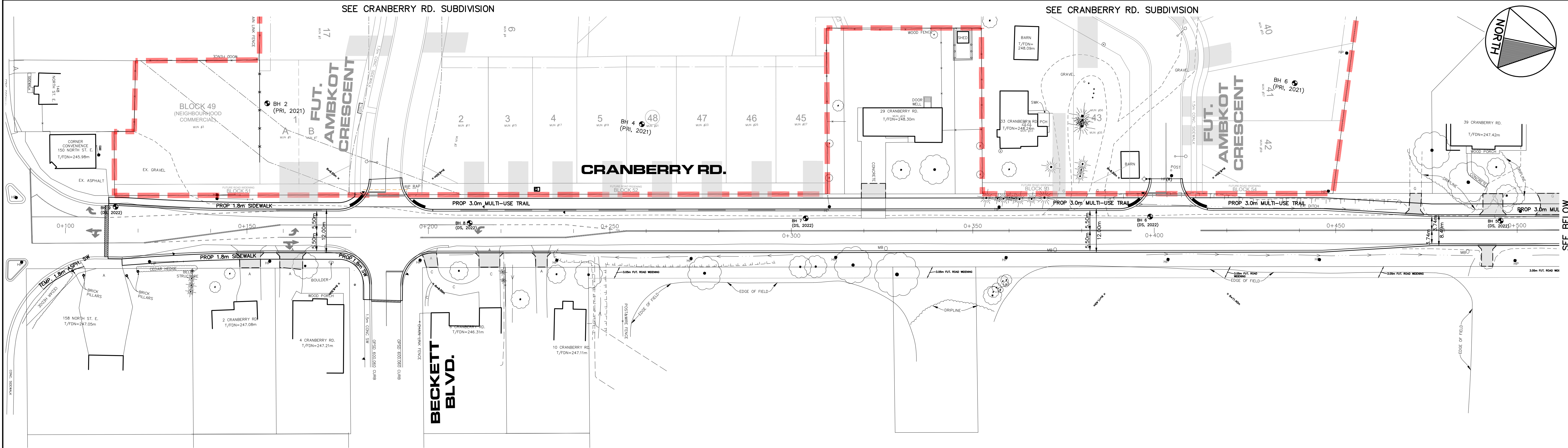
DRAWING No. **22**





SEE CRANBERRY RD. SUBDIVISION

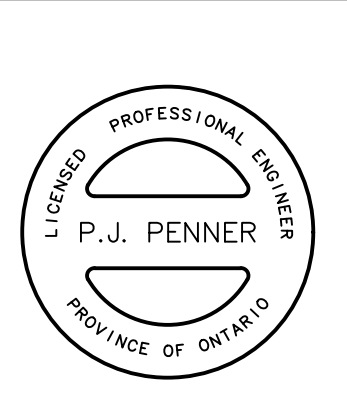
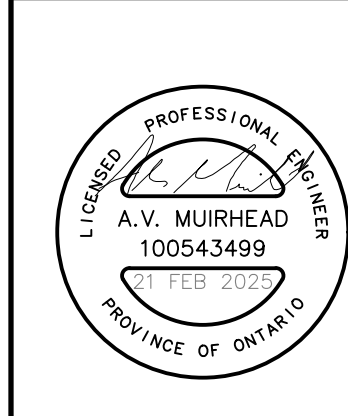
SEE CRANBERRY RD. SUBDIVISION



**LEGEND**

	0.4m WHITE STOP BAR
	0.1m SOLID WHITE LINE
	0.1m DASHED WHITE LINE

**NOTE:**  
 1. 2 OUT OF 22 HYDRO POLES REQUIRE RELOCATION BY TH1  
 2. 3 OUT OF 4 SERVICE POLES REQUIRE RELOCATION BY TH1



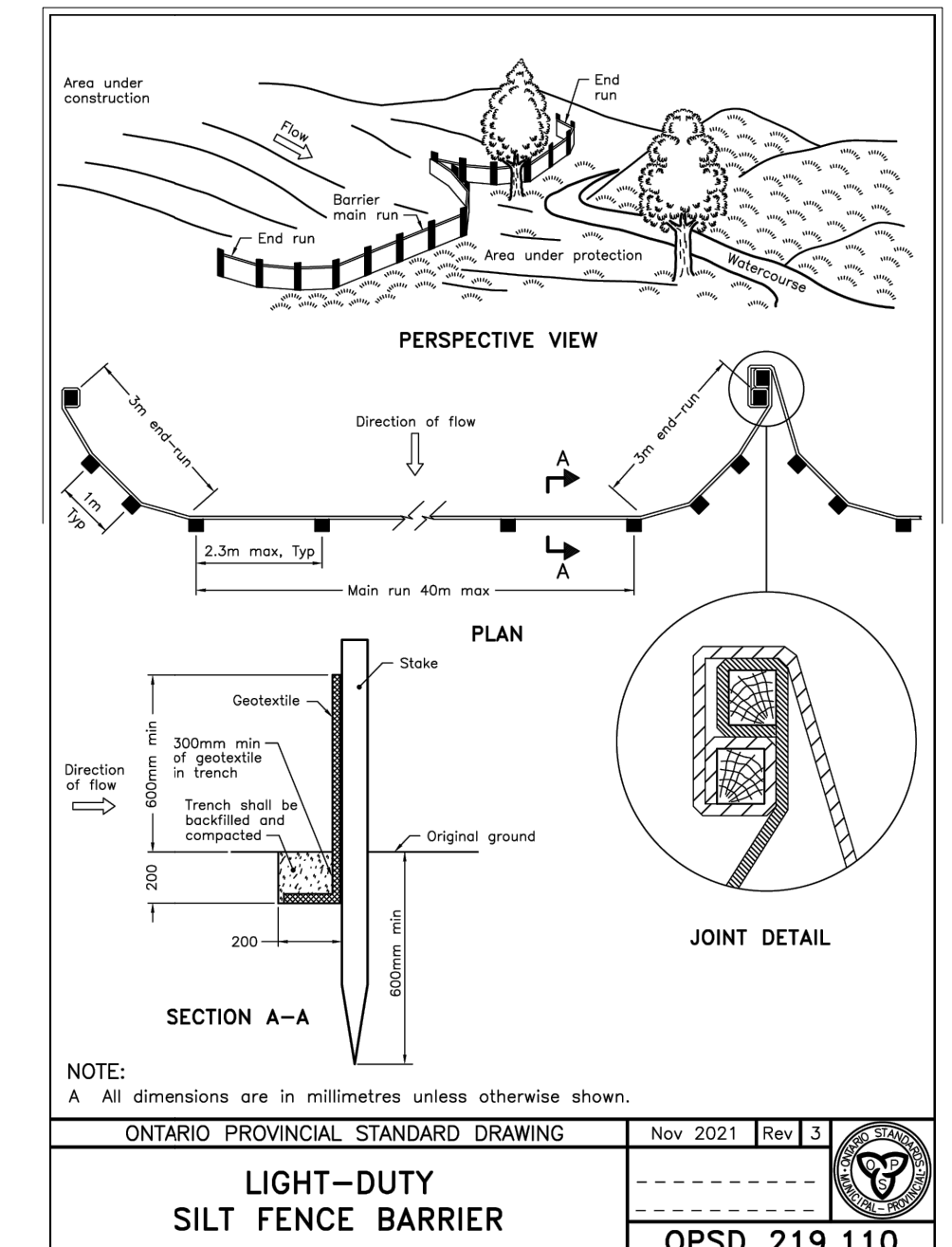
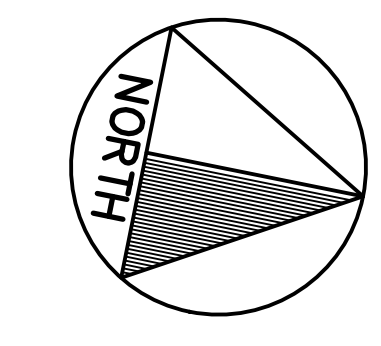
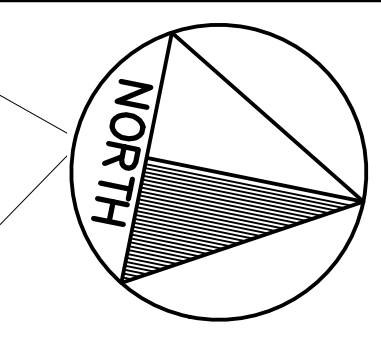
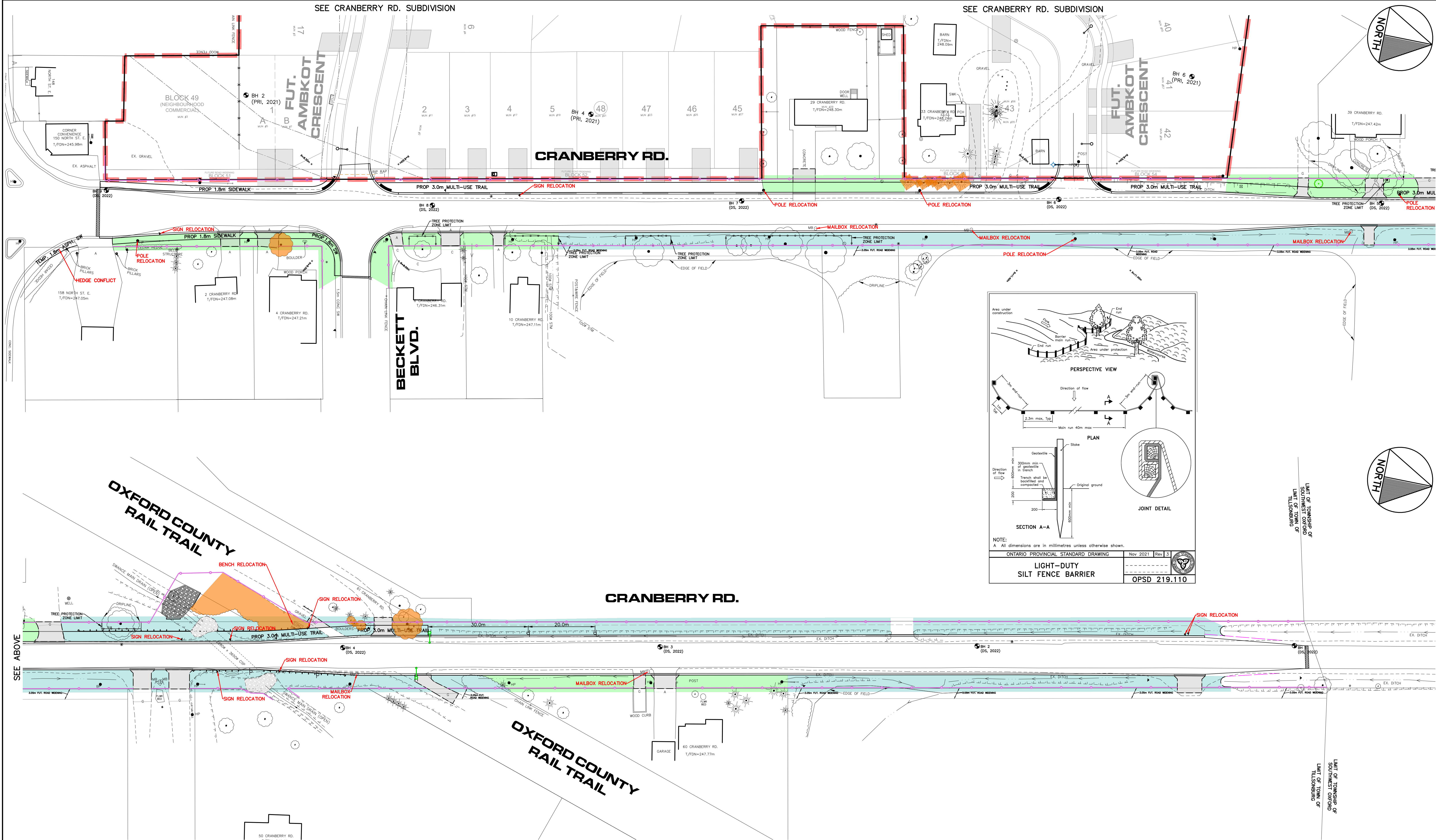
H. SCALE 1:500

No.	REVISION	DATE	BY
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025	AVM
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024	AVM
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023	CJC

<b>TOWN OF TILLSONBURG</b>		
<b>CJDL</b> Consulting Engineers		
Cyril J. Demeyere Limited P.O. Box 460, 261 Broadway Tillsonburg, Ontario, N4G 4H8 Tel: 519-688-1000 519-688-1001 519-688-1002 519-688-1003 519-688-1004 519-688-1005 519-688-1006 519-688-1007 519-688-1008 519-688-1009 519-688-1010 519-688-1011 519-688-1012 519-688-1013 519-688-1014 519-688-1015 519-688-1016 519-688-1017 519-688-1018 519-688-1019 519-688-1020 519-688-1021 519-688-1022 519-688-1023 519-688-1024 519-688-1025 519-688-1026 519-688-1027 519-688-1028 519-688-1029 519-688-1030 519-688-1031 519-688-1032 519-688-1033 519-688-1034 519-688-1035 519-688-1036 519-688-1037 519-688-1038 519-688-1039 519-688-1040 519-688-1041 519-688-1042 519-688-1043 519-688-1044 519-688-1045 519-688-1046 519-688-1047 519-688-1048 519-688-1049 519-688-1050		
CRANBERRY ROAD RECONSTRUCTION RFT20XX-XXX TOWN OF TILLSONBURG LINE PAINTING & SIGNAGE PLAN		
DESIGN BY: AVM	DRAWN BY: AK/GD	CHECKED BY: PJP
PROJECT NO. 22014	SURVEY BY: TPM	DATE: 02 AUG 2022
DRAWING No.		<b>24</b>



SEE CRANBERRY RD. SUBDIVISION



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2021 Rev 3  
**LIGHT-DUTY SILT FENCE BARRIER**  
 OPSD 219.110

**LEGEND**

	0.4m WHITE STOP BAR		EX. TREE TO REMAIN		HYDROSEED
	0.1m SOLID WHITE LINE		EX. TREE TO BE REMOVED		SOD
	0.1m DASHED WHITE LINE		TREE PROTECTION ZONE (TPZ)		
	SILT FENCE (TO BE COMPLETED BY SERVICING CONTRACTOR)		MAILBOX		
			FENCING (OPSD 219.110)		
			LIGHT-DUTY SILT FENCE + ORANGE CONSTRUCTION FENCE		

**NOTE:**  
 1. 2 OUT OF 22 HYDRO POLES REQUIRE RELOCATION BY TH  
 2. 3 OUT OF 4 SERVICE POLES REQUIRE RELOCATION BY TH

H. SCALE 1:500

<b>TOWN OF TILLSONBURG</b>		
<b>CJDL</b> Consulting Engineers		
Cyril J. Demeyere Limited P.O. Box 460, 261 Broadway Tillsonburg, Ontario, N4G 4H8 Tel: 519-686-1000 866-302-9886 Fax: 519-842-3235 cjd@cjdeng.com		
<b>CRANBERRY ROAD RECONSTRUCTION RFT20XX-XXX TOWN OF TILLSONBURG RELOCATIONS, EROSION CONTROL &amp; TREE PROTECTION</b>		
3	ISSUED FOR 90% SUBMISSION	21 FEB 2025
2	ISSUED FOR 60% SUBMISSION	13 AUG 2024
1	ISSUED FOR 30% SUBMISSION	25 JAN 2023
No.	REVISION	DATE
DESIGN BY: AVM	DRAWN BY: AK/GD	CHECKED BY: PJP
PROJECT NO. 22014	SURVEY BY: TPM	DATE: 02 AUG 2022
DRAWING No.		<b>25</b>