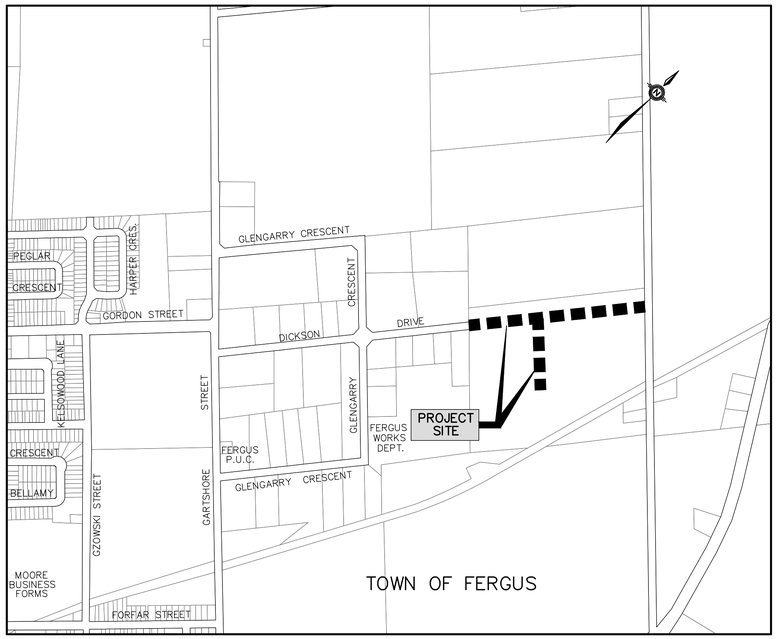
Township of
Centre Wellington

Centre Wellington

CONSTRUCTION OF CENTRE WELLINGTON BUSINESS PARK (NORTH FERGUS)

PHASE 2 (FERGUS)



KEY PLAN

LIST OF DRAWINGS

DICKSON DRIVE EXTENSION

01 CONSTRUCTION PLAN & PROFILE STA. 0+850 TO STA. 0+990

02 CONSTRUCTION PLAN & PROFILE STA. 0+990 TO STA. 1+160

03 CONSTRUCTION PLAN & PROFILE STA. 1+160 TO STA. 1+340

04 CONSTRUCTION PLAN & PROFILE STA. 1+340 TO STA. 1+480

STREET A

05 CONSTRUCTION PLAN & PROFILE STA. 8+000 TO STA. 8+160

06 CONSTRUCTION PLAN & PROFILE STA. 8+160 TO STA. 8+300

MULTI USE PATHWAY

07 MULTI USE PATHWAY STA. 7+570 TO STA. 7+690

08 MULTI USE PATHWAY STA. 7+690 TO STA. 7+870

09 MULTI USE PATHWAY STA. 7+870 TO STA. 8+000

FIRST LINE

10 CONSTRUCTION PLAN & PROFILE STA. 4+920 TO STA. 5+090

TYPICALS AND DETAILS

11 TYPICAL SECTIONS

12 DETAILS, NOTES AND CUL-DE-SAC GRADING

13 PAVEMENT MARKING AND SIGNAGE

14 SEWER CHARTS

SEDIMENT AND EROSION

15 SEDIMENT AND EROSION CONTROL PLAN

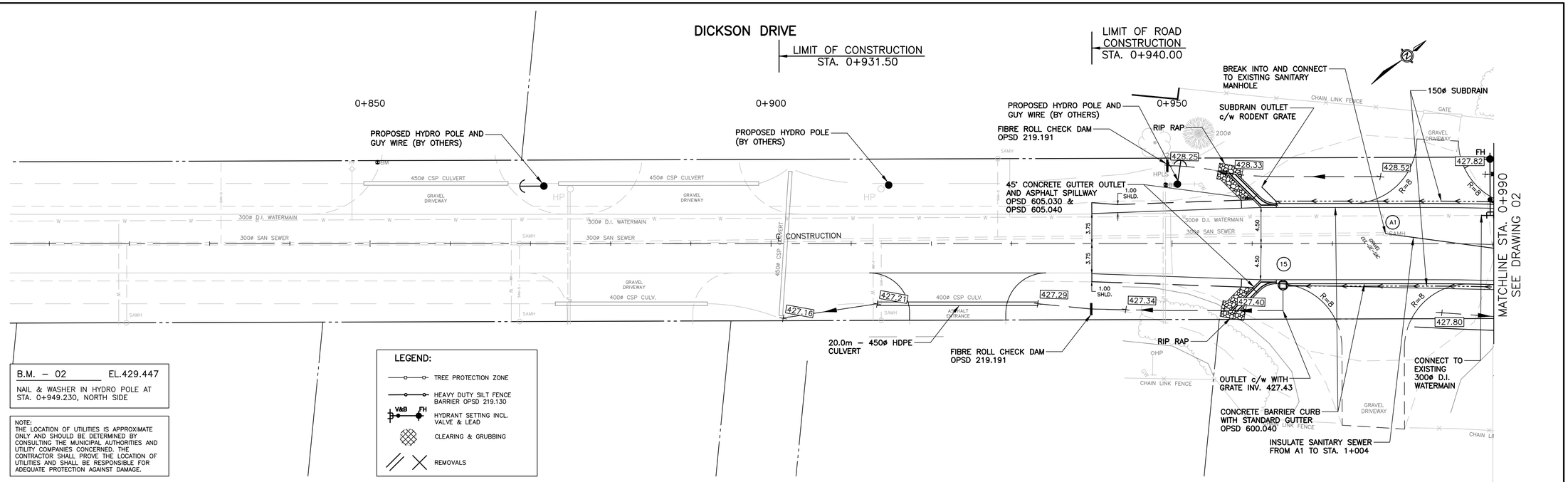
CONTRACT No. RFT-12-23

Mayor:
S. WATTERS

Chief Administrative Officer:
D. WILSON

ISSUED FOR GRCA APPROVAL – JANUARY 2023
ISSUED FOR TENDER – MARCH 2023
ISSUED FOR CONSTRUCTION – APRIL 2023

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers
Fergus, Ontario



PIPE CLASS & BEDDING:

SANITARY SEWER

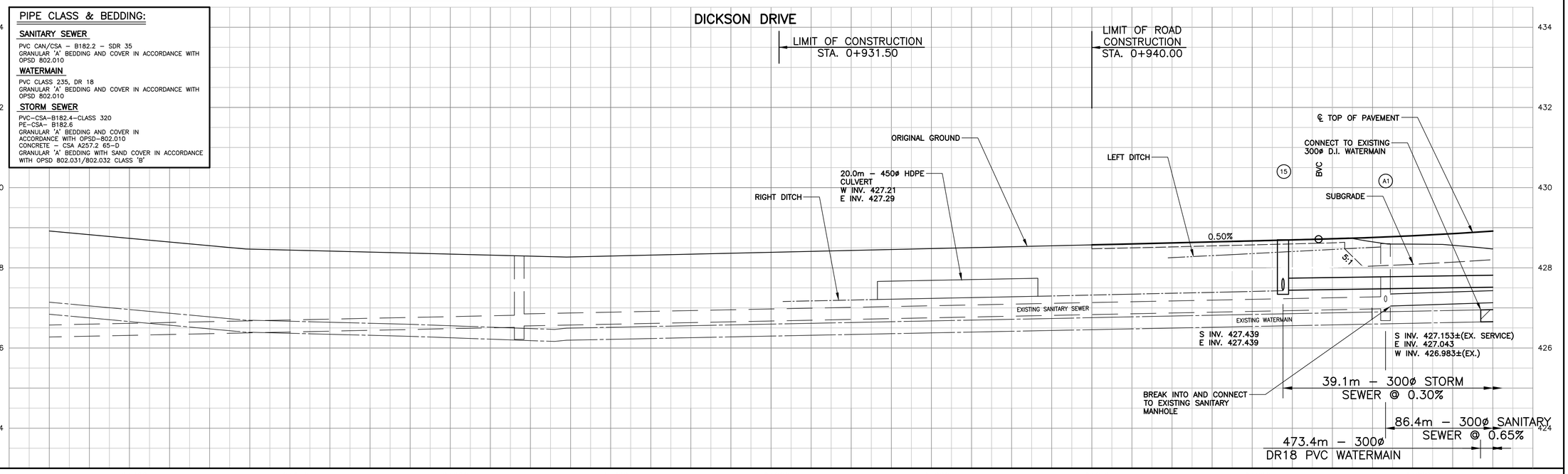
PVC CAN/CSA – B182.2 – SDR 35
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

WATERMAIN

PVC CLASS 235, DR 18
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

STORM SEWER

PVC–CSA–B182.4–CLASS 320
PE–CSA– B182.6
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD–802.010
CONCRETE – CSA A257.2 65–D
GRANULAR 'A' BEDDING WITH SAND COVER IN ACCORDANCE WITH OPSD 802.031/802.032 CLASS 'B'



NOTES

No	DATE	REVISION	INITIAL
03	APR. 2023	ISSUED FOR CONSTRUCTION	T.J.K.
02	MAR. 2023	ISSUED FOR TENDER	T.J.K.
01	JAN. 2023	ISSUED FOR GRCA APPROVAL	T.J.K.

LICENSED PROFESSIONAL ENGINEER T. J. KRAMER 100234803 24/04/23 PROVINCE OF ONTARIO

CHECKED PROFESSIONAL ENGINEER D.G. DONALDSON Apr 24, 2023 PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

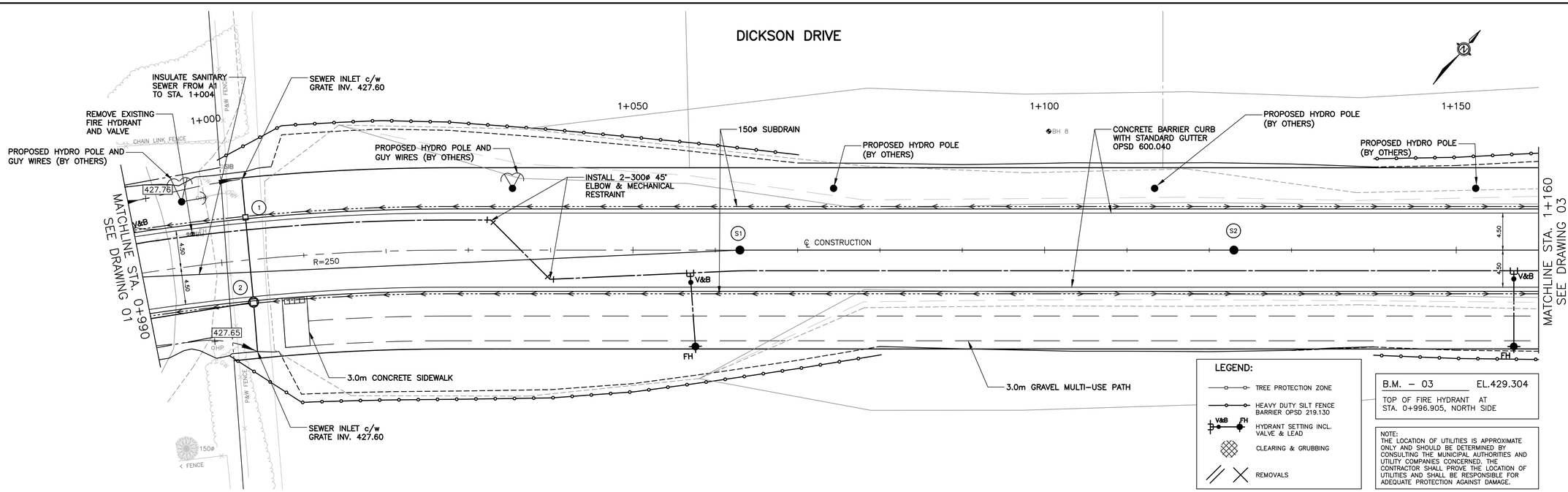
DICKSON DRIVE CONSTRUCTION PLAN & PROFILE
STA. 0+850 TO STA. 0+990

PROJECT No:	RFT-12-23
TRITON FILE No:	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	D.G.D.
DATE:	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
1:250 HORIZONTAL
1:50 VERTICAL

DRAWING NUMBER 01



PIPE CLASS & BEDDING:

SANITARY SEWER

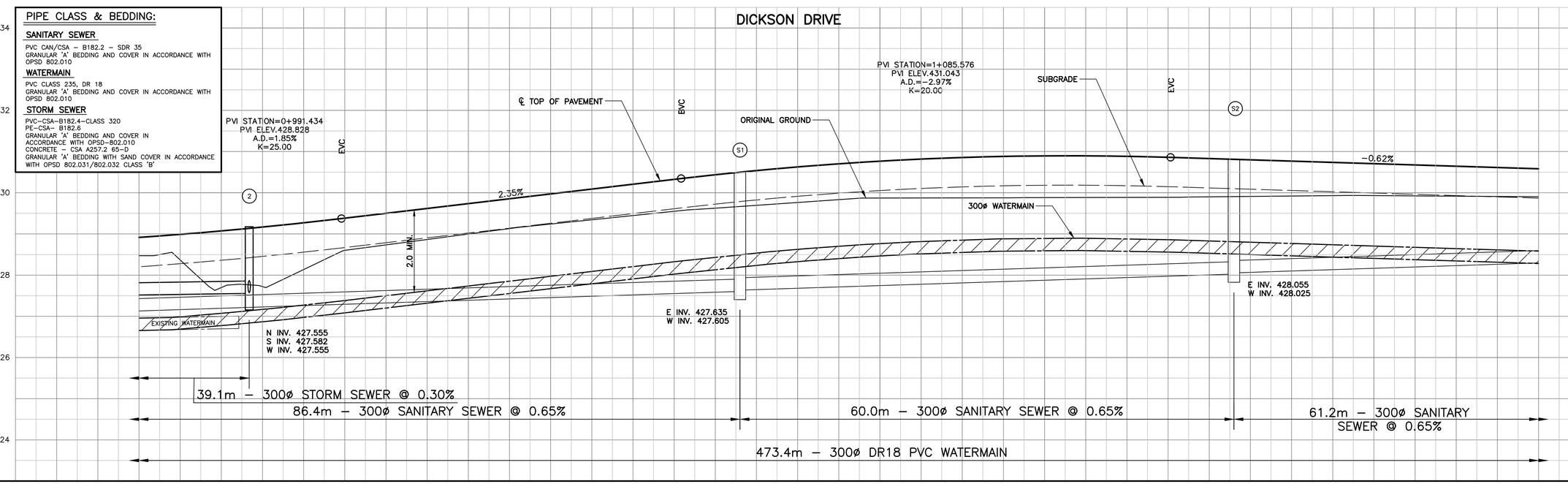
PVC CAN/CSA – B182.2 – SDR 35
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

WATERMAIN

PVC CLASS 235, DR 18
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

STORM SEWER

PVC–CSA–B182.4–CLASS 320
PE–CSA– B182.6
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD–802.010
CONCRETE – CSA A257.2 65–D
GRANULAR 'A' BEDDING WITH SAND COVER IN ACCORDANCE WITH OPSD 802.031/802.032 CLASS 'B'



NOTES

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LICENCED PROFESSIONAL ENGINEER T.J. KRAMER 100224803 29/01/23 PROVINCE OF ONTARIO

LICENCED PROFESSIONAL ENGINEER D.G. DONALDSON Apr 24, 2023 PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

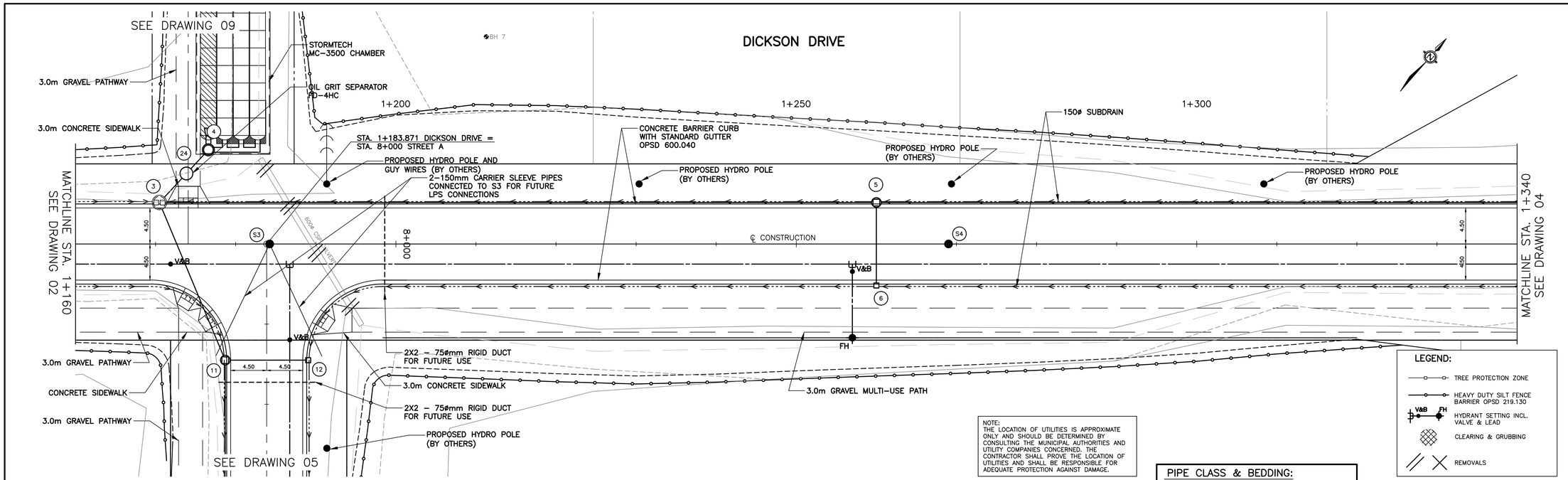
DICKSON DRIVE CONSTRUCTION PLAN & PROFILE
STA. 0+990 TO STA. 1+160

PROJECT No.	RFT-12-23
TRITON FILE No.	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	D.G.D.
DATE:	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
HORIZONTAL 1:250 VERTICAL 1:50

DRAWING NUMBER 02



NOTES

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LICENSED PROFESSIONAL ENGINEER T. J. KRAMER 100234803 24/04/23 PROVINCE OF ONTARIO

CHECKED PROFESSIONAL ENGINEER D.G. DONALDSON Apr 24, 2023 PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

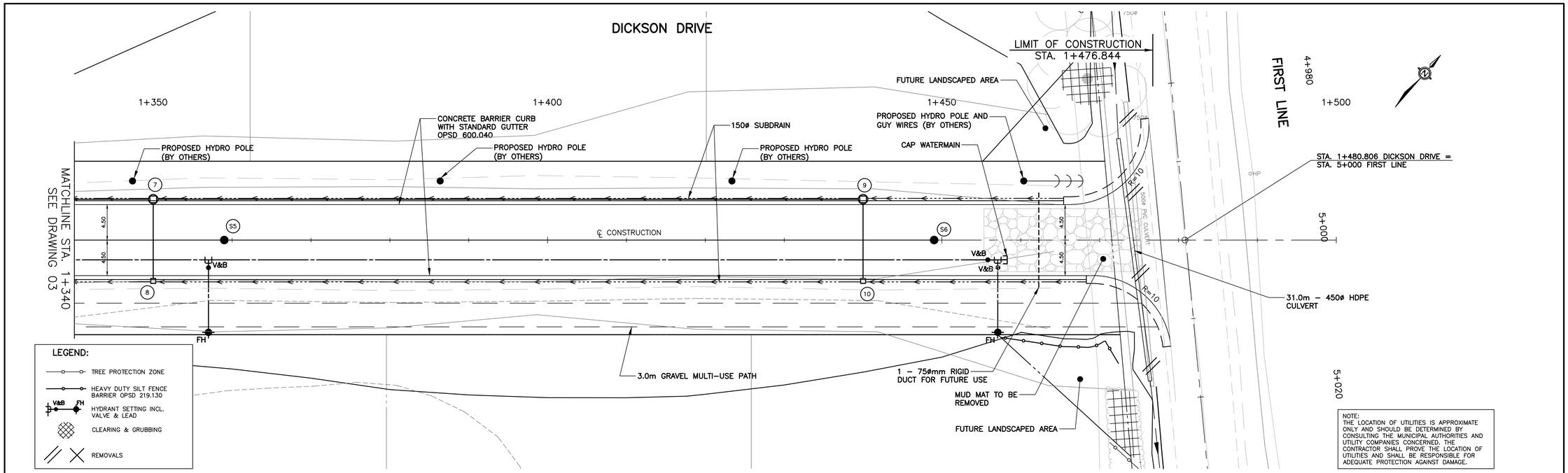
DICKSON DRIVE CONSTRUCTION PLAN & PROFILE
STA. 1+160 TO STA. 1+340

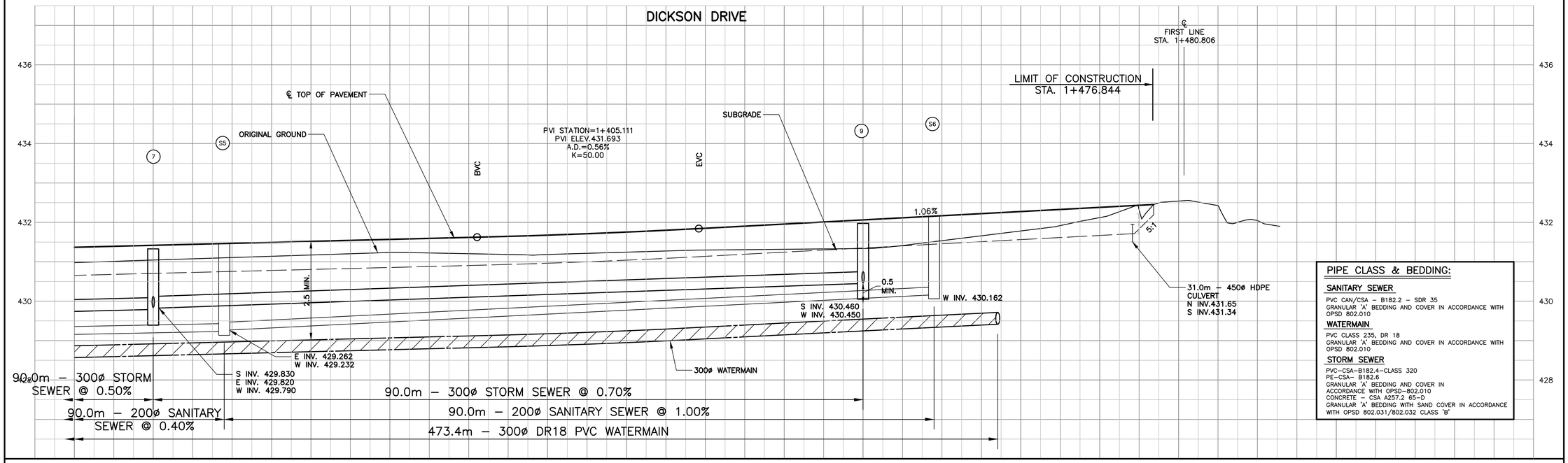
PROJECT No:	RFT-12-23
TRITON FILE No:	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	D.G.D.
DATE:	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
1:250 HORIZONTAL
1:50 VERTICAL

DRAWING NUMBER 03





NOTES

No	DATE	REVISION	INITIAL
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01	JAN. 2023	ISSUED FOR GRCA APPROVAL	T.J.K.

LICENSED PROFESSIONAL ENGINEER T.J. KRAMER 100234803 24/04/23 PROVINCE OF ONTARIO

CHECKED PROFESSIONAL ENGINEER D.G. DONALDSON Apr 24, 2023 PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

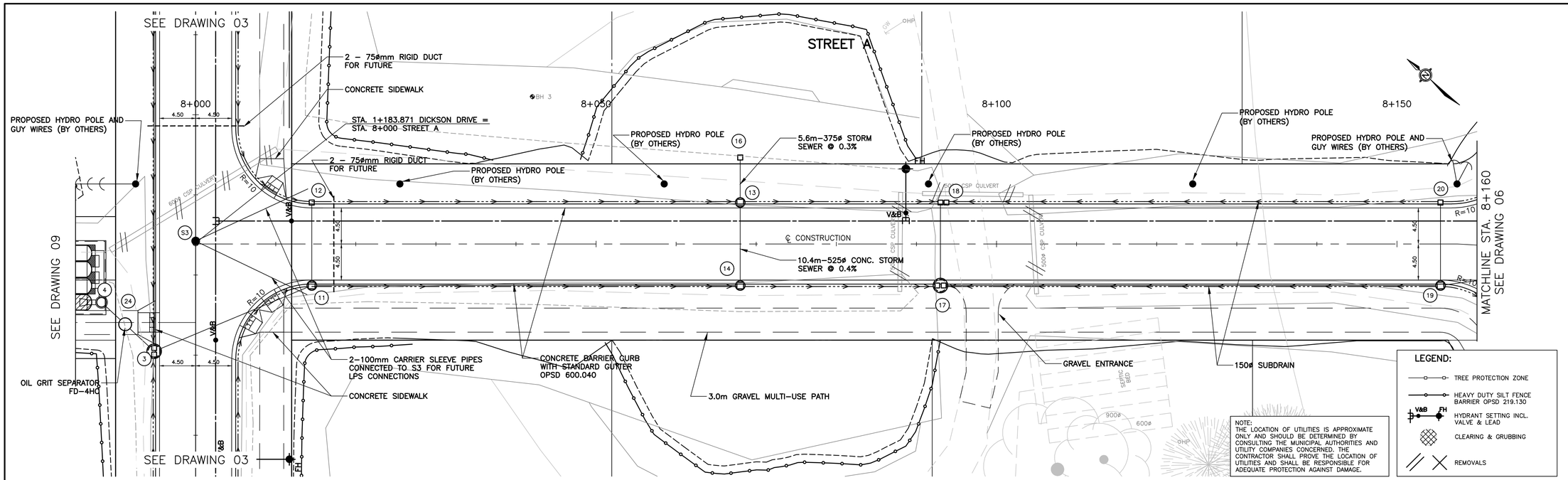
DICKSON DRIVE CONSTRUCTION PLAN & PROFILE
STA. 1+340 TO STA. 1+480

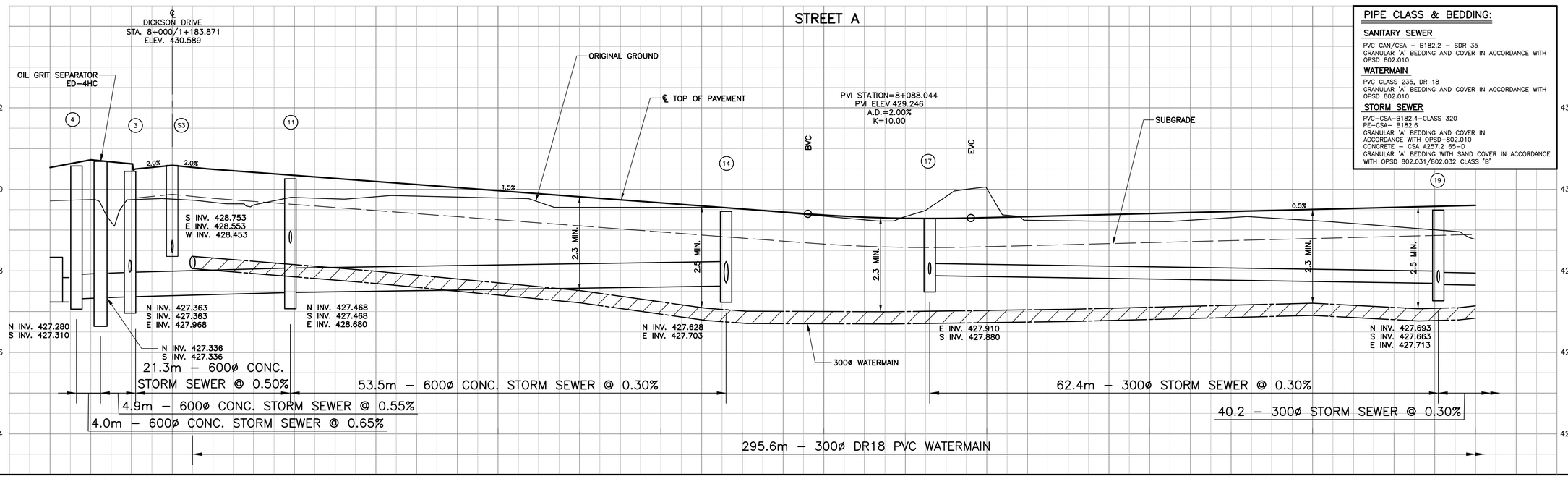
PROJECT No:	RFT-12-23
TRITON FILE No:	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	D.G.D.
DATE:	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
1:250 HORIZONTAL
1:50 VERTICAL

DRAWING NUMBER 04





PIPE CLASS & BEDDING:

SANITARY SEWER

PVC CAN/CSA – B182.2 – SDR 35
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

WATERMAIN

PVC CLASS 235, DR 18
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

STORM SEWER

PVC–CSA–B182.4–CLASS 320
PE–CSA– B182.6
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD–802.010
CONCRETE – CSA A257.2 65–D
GRANULAR 'A' BEDDING WITH SAND COVER IN ACCORDANCE WITH OPSD 802.031/802.032 CLASS 'B'

NOTES

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LICENSED PROFESSIONAL ENGINEER T. J. KRAMER 100224803 24/04/23 PROVINCE OF ONTARIO

CHECKED PROFESSIONAL ENGINEER D.G. DONALDSON Apr 24, 2023 PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

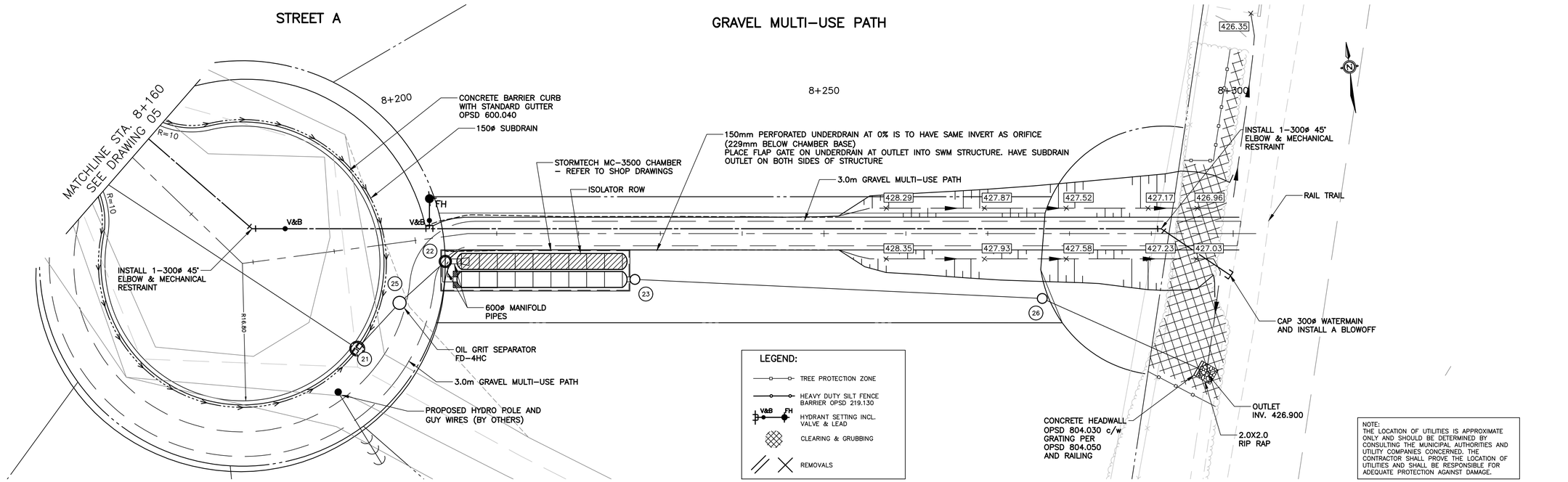
STREET A CONSTRUCTION PLAN & PROFILE
STA. 8+000 TO STA. 8+160

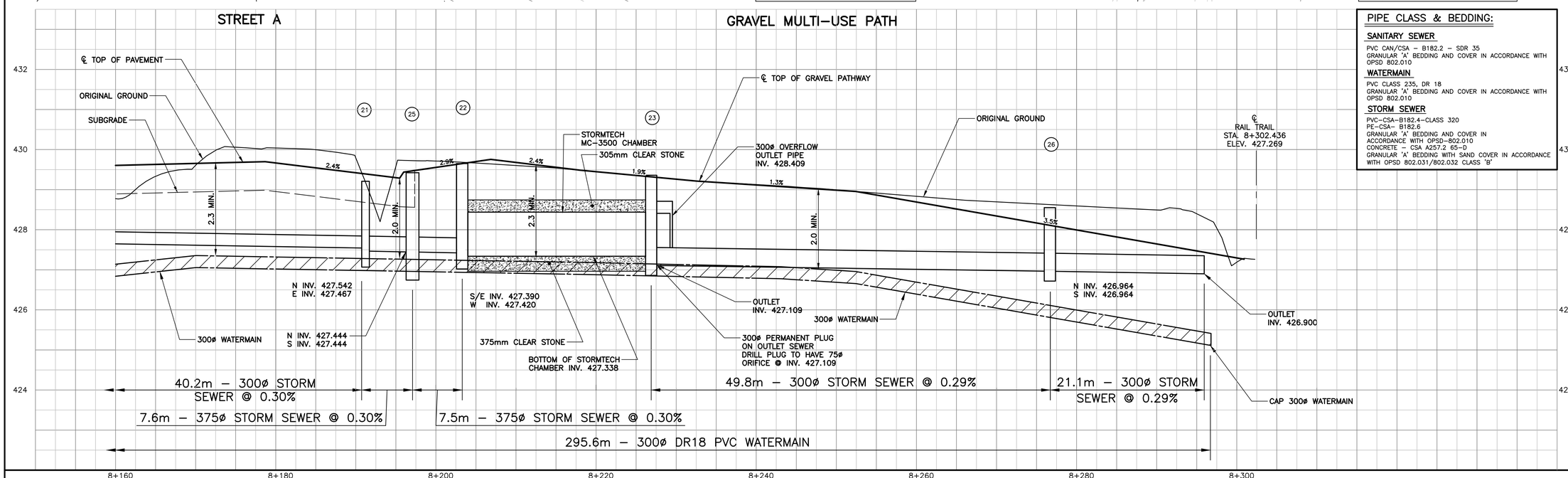
PROJECT No:	RFT-12-23
TRITON FILE No:	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	D.G.D.
DATE:	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
HORIZONTAL 1:250 VERTICAL 1:50

DRAWING NUMBER 05





PIPE CLASS & BEDDING:

SANITARY SEWER

PVC CAN/CSA - B182.2 - SDR 35
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

WATERMAIN

PVC CLASS 235, DR 18
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

STORM SEWER

PVC-CSA-B182.4-CLASS 320
PE-CSA- B182.6
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD-802.010
CONCRETE - CSA A257.2 65-D
GRANULAR 'A' BEDDING WITH SAND COVER IN ACCORDANCE WITH OPSD 802.031/802.032 CLASS 'B'

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LICENSED PROFESSIONAL ENGINEER T. J. KRAMER 100234803 24/04/23 PROVINCE OF ONTARIO

CHECKED PROFESSIONAL ENGINEER D.G. DONALDSON Apr 24, 2023 PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

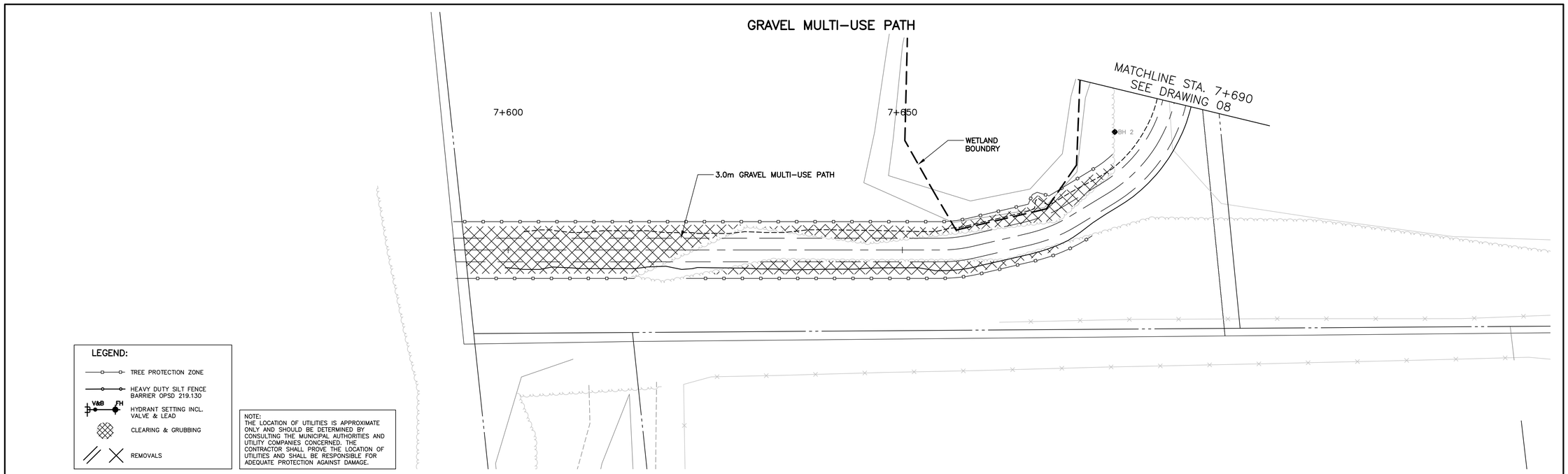
STREET A/MULTI-USE PATH CONSTRUCTION
PLAN & PROFILE STA. 8+160 TO STA. 8+300

PROJECT No.	RFT-12-23
TRITON FILE No.	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	D.G.D.
DATE:	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
HORIZONTAL 1:250 VERTICAL 1:50

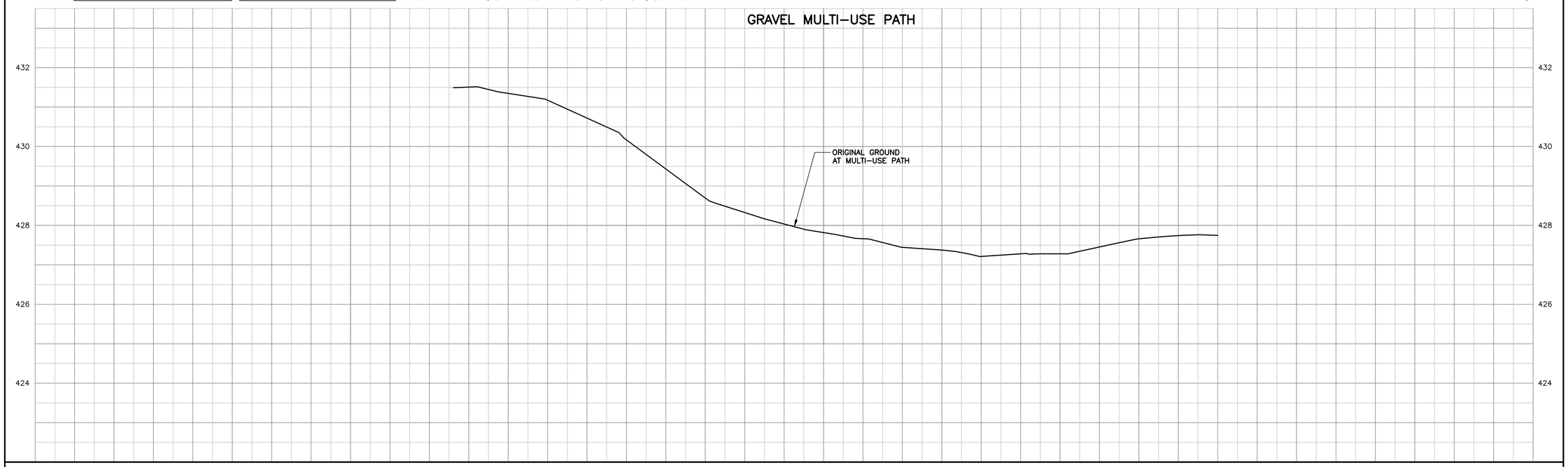
DRAWING NUMBER 06



LEGEND:

- TREE PROTECTION ZONE
- HEAVY DUTY SILT FENCE BARRIER OPSD 219.130
- V&B FH HYDRANT SETTING INCL. VALVE & LEAD
- CLEARING & GRUBBING
- REMOVALS

NOTE:
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 AGAINST DAMAGE.



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01	JAN. 2023	ISSUED FOR GRCA APPROVAL	T.J.K.

LICENSED PROFESSIONAL ENGINEER — T. J. KRAUSE — 100224803 — 24/04/23 — PROVINCE OF ONTARIO

CERTIFIED PROFESSIONAL ENGINEER — D.G. DONALDSON — Apr 24, 2023 — PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

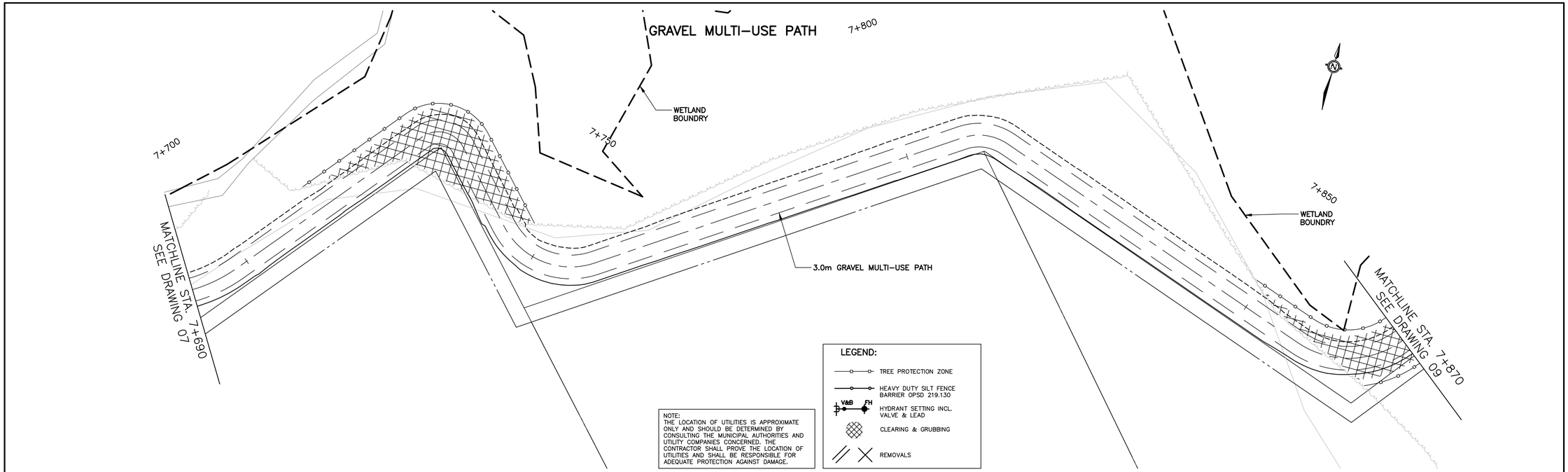
MULTI-USE PATH CONSTRUCTION PLAN & PROFILE
STA. 7+570 TO STA. 7+890

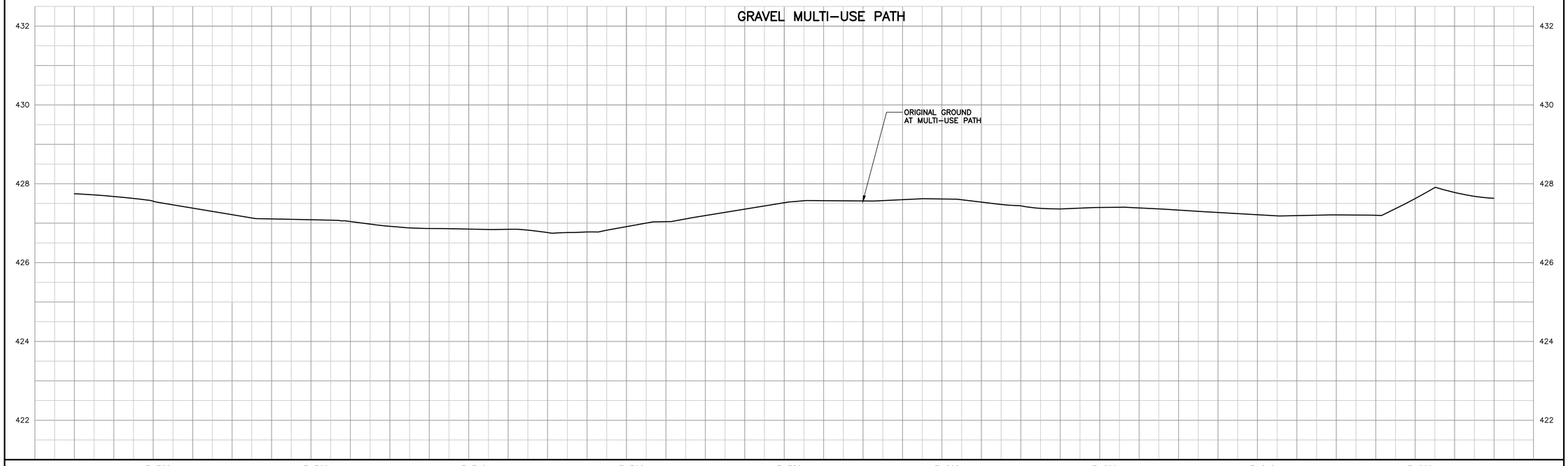
PROJECT No.	RFT-12-23
TRITON FILE No.	M6468
DRAWN BY.	K.J.G.
CHECKED BY.	T.J.K.
APPROVED BY.	D.G.D.
DATE.	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
HORIZONTAL 1:250 VERTICAL 1:50

DRAWING NUMBER 07





NOTES

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01	JAN. 2023	ISSUED FOR GRCA APPROVAL	T.J.K.

LICENSED PROFESSIONAL ENGINEER — 100234803 — 29/04/23 — PROVINCE OF ONTARIO

CHECKED PROFESSIONAL ENGINEER — D.G. DONALDSON — Apr 29, 2023 — PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

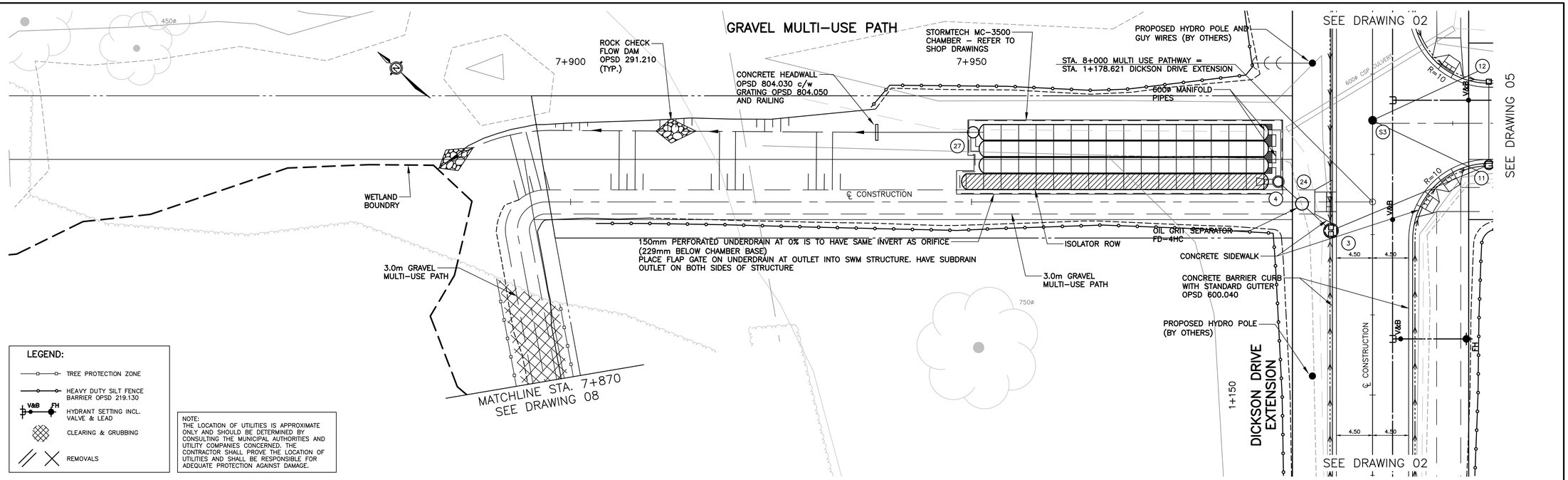
MULTI-USE PATH CONSTRUCTION PLAN & PROFILE
STA. 7+690 TO STA. 7+870

PROJECT No.	RFT-12-23
TRITON FILE No.	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	D.G.D.
DATE:	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
HORIZONTAL 1:250 — VERTICAL 1:50

DRAWING NUMBER 08



PIPE CLASS & BEDDING:

SANITARY SEWER

PVC CAN/CSA - B182.2 - SDR 35
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

WATERMAIN

PVC CLASS 235, DR 18
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

STORM SEWER

PVC-CSA-B182.4-CLASS 320
PE-CSA- B182.6
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD-802.010
CONCRETE - CSA A257.2 65-D
GRANULAR 'A' BEDDING WITH SAND COVER IN ACCORDANCE WITH OPSD 802.031/802.032 CLASS 'B'

NOTES

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01	JAN. 2023	ISSUED FOR GRCA APPROVAL	T.J.K.

LICENSED PROFESSIONAL ENGINEER T.J. KRAMER 100234803 24/04/23 PROVINCE OF ONTARIO

CHECKED PROFESSIONAL ENGINEER D.G. DONALDSON Apr 24, 2023 PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

MULTI-USE PATH CONSTRUCTION PLAN & PROFILE
STA. 7+860 TO STA. 8+000

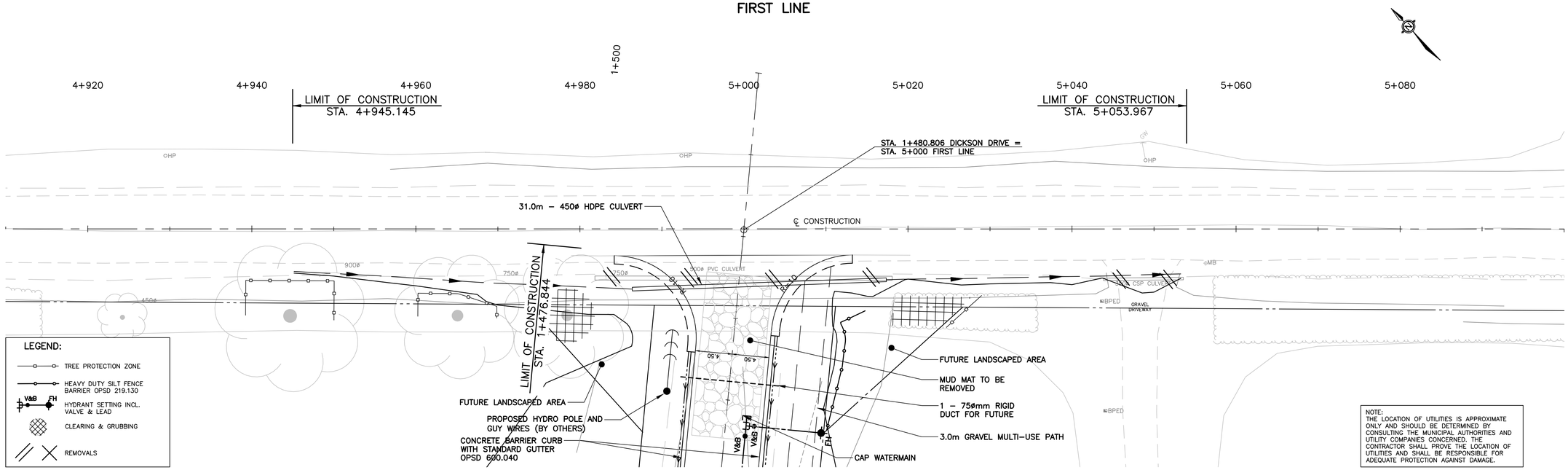
PROJECT No:	RFT-12-23
TRITON FILE No:	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	D.G.D.
DATE:	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
HORIZONTAL 1:250
VERTICAL 1:50

DRAWING NUMBER 09

FIRST LINE



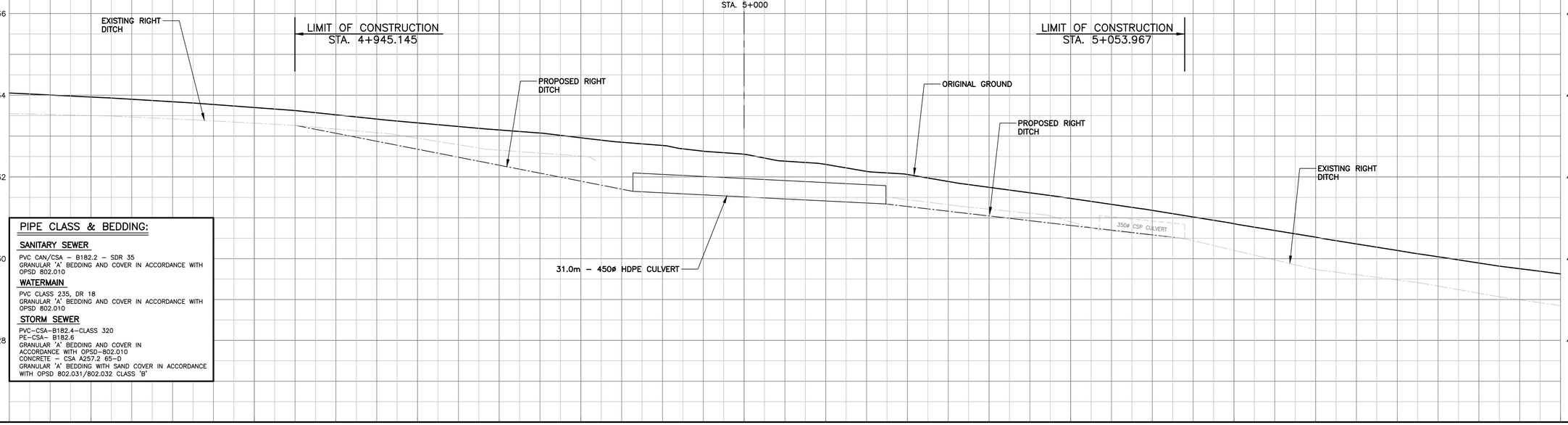
LEGEND:

- TREE PROTECTION ZONE
- HEAVY DUTY SILT FENCE BARRIER OPSD 219.130
- V&B FH — HYDRANT SETTING INCL. VALVE & LEAD
- CLEARING & GRUBBING
- REMOVALS

NOTE:
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FIRST LINE

℄
DICKSON DRIVE
STA. 5+000



PIPE CLASS & BEDDING:

SANITARY SEWER

PVC CAN/CSA – B182.2 – SDR 35
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

WATERMAIN

PVC CLASS 235, DR 18
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010

STORM SEWER

PVC–CSA–B182.4–CLASS 320
PE–CSA– B182.6
GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD–802.010
CONCRETE – CSA A257.2 65–D
GRANULAR 'A' BEDDING WITH SAND COVER IN ACCORDANCE WITH OPSD 802.031/802.032 CLASS 'B'

NOTES

No	DATE	REVISION	INITIAL
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01	MAR. 2023	ISSUED FOR TENDER	T.J.K.

LICENCED PROFESSIONAL ENGINEER — T. J. KAMPEN — 100224803 — 24/04/23 — PROVINCE OF ONTARIO

CONSULTING PROFESSIONAL ENGINEER — D.G. DONALDSON — Apr 24, 2023 — PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

FIRST LINE CONSTRUCTION PLAN & PROFILE
STA. 4+920 TO STA. 5+090

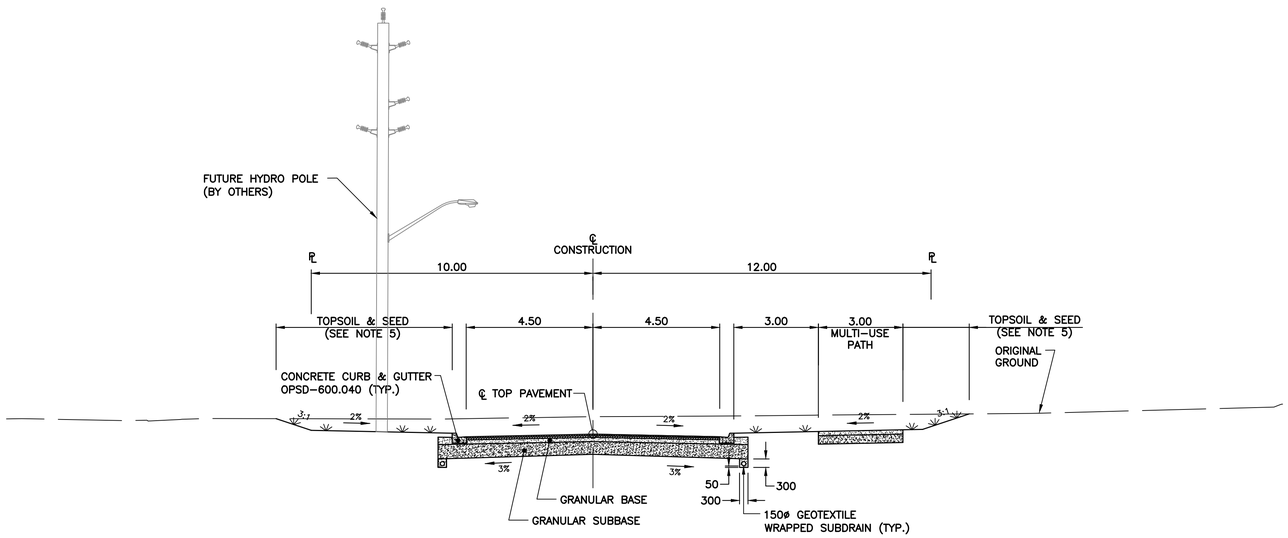
PROJECT No.	RFT-12-23
TRITON FILE No.	M6468
DRAWN BY.	K.J.G.
CHECKED BY.	T.J.K.
APPROVED BY.	D.G.D.
DATE.	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

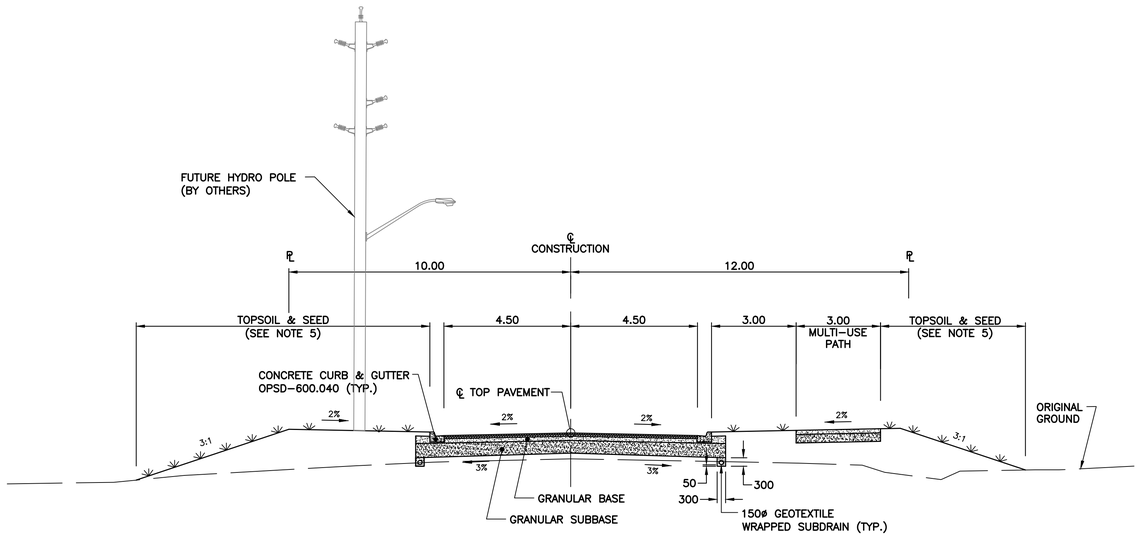
SCALES

HORIZONTAL	VERTICAL
1:250	1:50

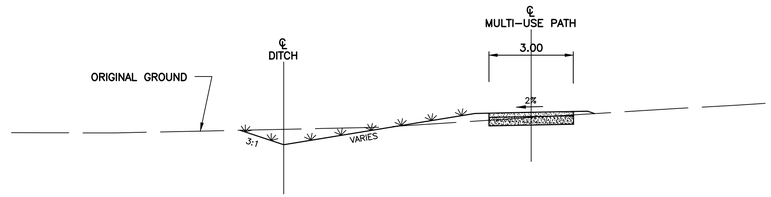
DRAWING NUMBER 10



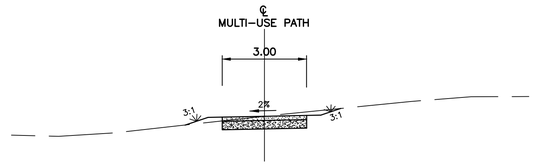
TYPICAL CUT SECTION
N.T.S.



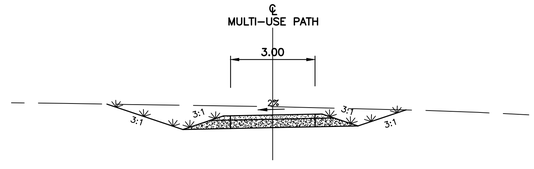
TYPICAL FILL SECTION
N.T.S.



TYPICAL SECTION
MULTI–USE PATH & OUTLET DITCH
(STA. 7+895 TO STA. 7+937)
N.T.S.



TYPICAL SECTION
MULTI–USE PATH
STA. 7+570 TO STA. 7+895
STA. 8+204 TO STA. 8+255
N.T.S.



TYPICAL SECTION
MULTI–USE PATH
CUT SECTION
N.T.S.

NOTES

No	DATE	REVISION	INITIAL
02	APR. 2023	ISSUED FOR CONSTRUCTION	T.J.K.
01	MAR. 2023	ISSUED FOR TENDER	T.J.K.

LICENSED PROFESSIONAL ENGINEER — T.J. KRAMER — 100234803 — 24/04/23 — PROVINCE OF ONTARIO

CHECKED PROFESSIONAL ENGINEER — D.G. DONALDSON — Apr 24, 2023 — PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

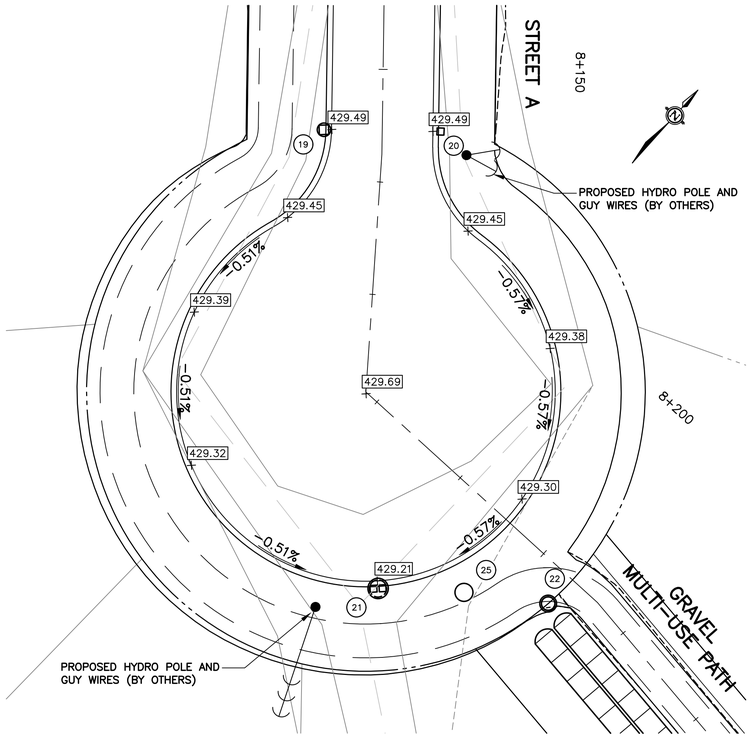
TYPICAL SECTIONS

PROJECT No.	RFT-12-23
TRITON FILE No.	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	T.J.K.
DATE:	FEBRUARY 2023

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
HORIZONTAL: N/A
VERTICAL: N/A

DRAWING NUMBER 11

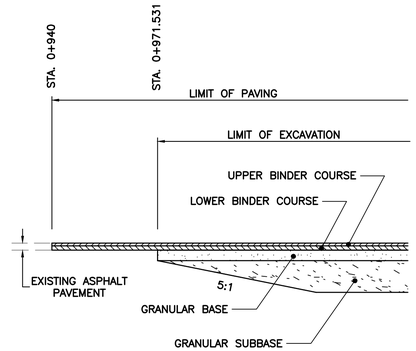


STREET A CUL-DE-SAC
PAVEMENT ELEVATION DETAIL
SCALE 1:250

DEPTH OF MATERIALS					
LOCATION	HOT MIX ASPHALT			GRANULAR (FULL WIDTH)	
	SURFACE	UPPER BINDER	LOWER BINDER	GRANULAR BASE	GRANULAR SUBBASE
DICKSON DRIVE	–	50mm HL4	50mm HL4	150mm 'A'	450mm 'B' TYPE III
STREET A	–	50mm HL4	50mm HL4	150mm 'A'	450mm 'B' TYPE III
INDUSTRIAL ENTRANCE	50mm HL4	50mm HL4	–	VARIABLE 'A'	–
MULTI-USE PATH	–	–	–	150mm 'A'	300mm 'B' TYPE IIII

GENERAL NOTES

1. ALL DIMENSIONS SHOWN ARE IN METRES OR MILLIMETRES.
2. FOR VARIANCES IN ASPHALT PAVEMENT WIDTHS AND CROSSFALL, REFER TO PLAN DETAILS AND GRADING TEMPLATES. FOR VARIANCES IN ASPHALT PAVEMENT DEPTH, REFER TO DEPTH OF MATERIALS CHART.
3. FOR LOCATIONS OF PROPOSED STORM SEWER, WATERMAIN, SANITARY SEWER, AND SUBDRAIN, REFER TO PLAN DETAILS AND TYPICAL SECTIONS.
4. FOR CONCRETE CURB AND GUTTER TYPE AND LOCATION, REFER TO PLAN DETAILS AND TYPICAL SECTIONS.
5. BOULEVARDS TO BE SLOPED AT 2% MINIMUM TO 10% MAXIMUM OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR. ALL BOULEVARDS AND DISTURBED AREAS TO BE SEEDED ON 100mm OF TOPSOIL.
6. FOR LOCATIONS, WIDTH VARIATIONS, AND CROSSFALL OF PROPOSED SIDEWALK AND MULTI-USE PATH, REFER TO PLAN DETAILS AND TYPICAL SECTIONS.
7. FOR SLOPE VARIATIONS REFER TO PLAN DETAILS AND GRADING TEMPLATES.



END JOINT TREATMENT
N.T.S.

NOTES

No	DATE	REVISION	INITIAL
02	APR. 2023	ISSUED FOR CONSTRUCTION	T.J.K.
01	MAR. 2023	ISSUED FOR TENDER	T.J.K.

LICENCED PROFESSIONAL ENGINEER — 100234803 — 24/04/23 — PROVINCE OF ONTARIO

CONSULTING PROFESSIONAL ENGINEER — D.G. DONALDSON — Apr 24, 2023 — PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

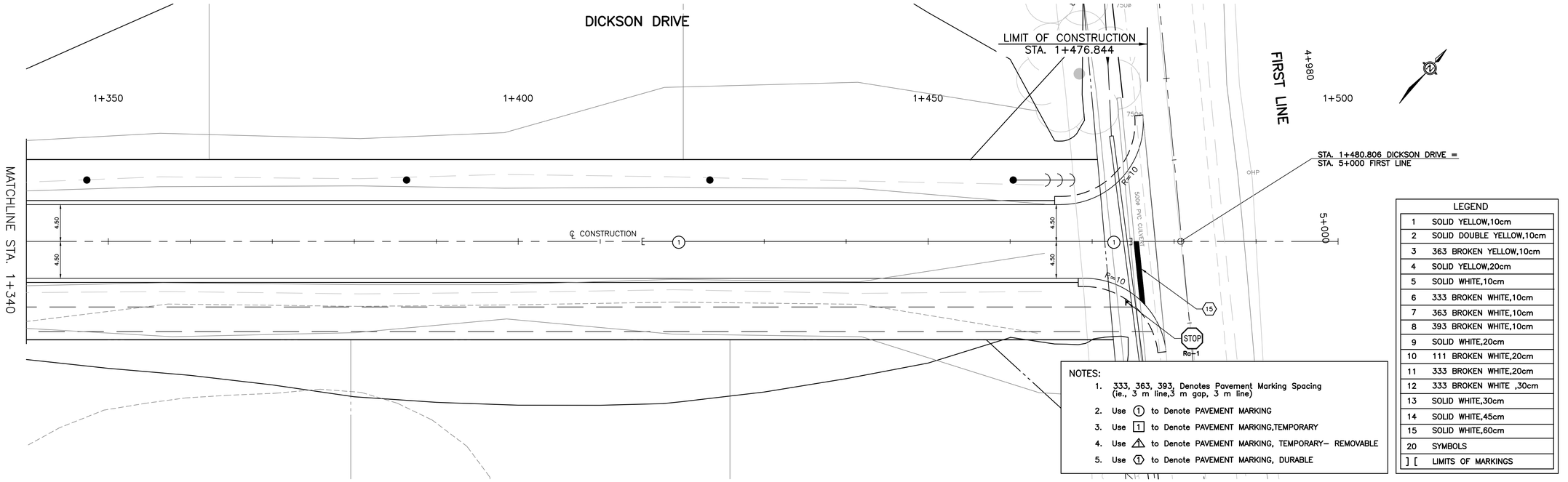
DETAILS, NOTES AND CUL-DE-SAC GRADING

PROJECT No.	RFT-12-23
TRITON FILE No.	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	T.J.K.
DATE:	MARCH 2022

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
N/A HORIZONTAL
N/A VERTICAL

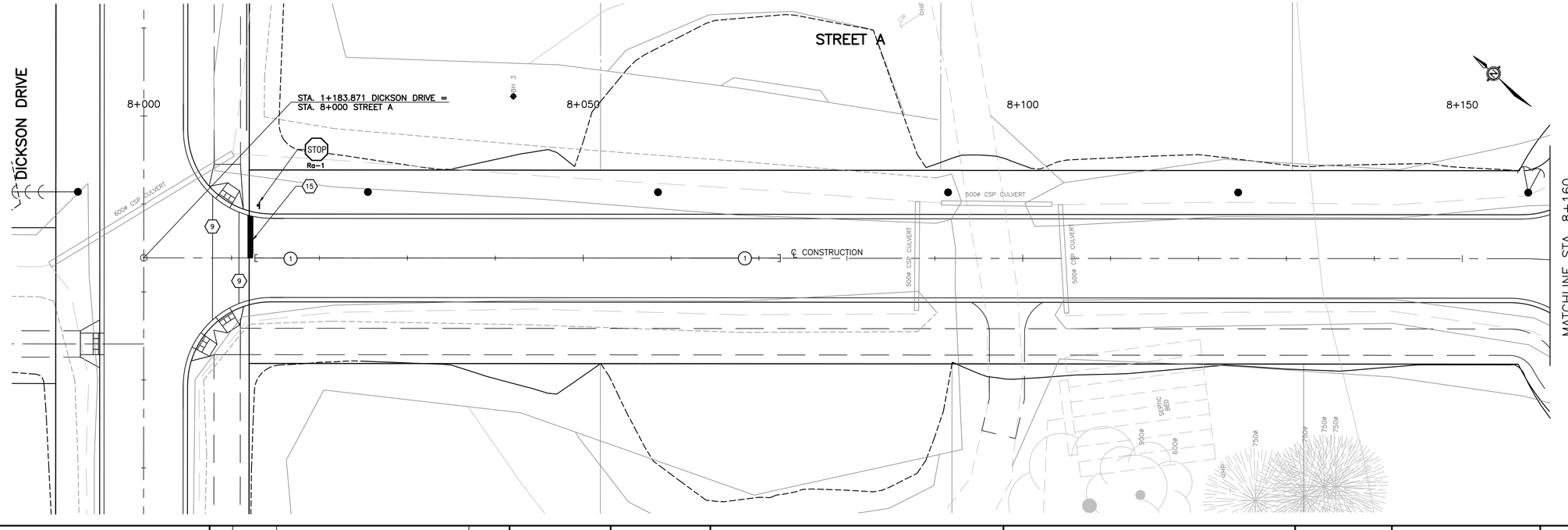
DRAWING NUMBER 12



LEGEND	
1	SOLID YELLOW,10cm
2	SOLID DOUBLE YELLOW,10cm
3	363 BROKEN YELLOW,10cm
4	SOLID YELLOW,20cm
5	SOLID WHITE,10cm
6	333 BROKEN WHITE,10cm
7	363 BROKEN WHITE,10cm
8	393 BROKEN WHITE,10cm
9	SOLID WHITE,20cm
10	111 BROKEN WHITE,20cm
11	333 BROKEN WHITE,20cm
12	333 BROKEN WHITE ,30cm
13	SOLID WHITE,30cm
14	SOLID WHITE,45cm
15	SOLID WHITE,60cm
20	SYMBOLS
] [	LIMITS OF MARKINGS

NOTES:

1. 333, 363, 393, Denotes Pavement Marking Spacing (ie., 3 m line,3 m gap, 3 m line)
2. Use (1) to Denote PAVEMENT MARKING
3. Use [1] to Denote PAVEMENT MARKING,TEMPORARY
4. Use ⚠1 to Denote PAVEMENT MARKING, TEMPORARY– REMOVABLE
5. Use ①1 to Denote PAVEMENT MARKING, DURABLE



NOTES

No	DATE	REVISION	INITIAL
02	APR. 2023	ISSUED FOR CONSTRUCTION	T.J.K.
01	MAR. 2023	ISSUED FOR TENDER	T.J.K.

LICENCED PROFESSIONAL ENGINEER
T. J. KANTOR
100224803
29/04/2023
PROVINCE OF ONTARIO

CHECKED PROFESSIONAL ENGINEER
D.G. DONALDSON
Apr 29, 2023
PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

PAVEMENT MARKING & SIGNAGE

PROJECT No:	RFT-12-23
TRITON FILE No:	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	T.J.K.
DATE:	FEBRUARY 2023

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
N/A HORIZONTAL
N/A VERTICAL

DRAWING NUMBER 13

CONTRACT No.M6468 — MANHOLES, CATCH BASINS AND DITCH INLETS — Pg.1

Structure No.	Station	Location	Offset Ct. Grate	Structure Type (OPSD#)	Type of Grading			Elevation		Sizes and Depths of Structures										
					OPSD 400.082	OPSD 401.010 TYPE 'B'	OPSD 403.010 TYPE 'A'	Slope	Top of Grate	Low Invert	Depth of Structure	Sump (S) Benching (B)	600mm/600mm CB	600mm/1450mm DICB	1200mm dia. MH	1200mm dia.CBMH	1500mm dia.MH	1500mm dia.CBMH	1800mm dia.TICBMH	1500 dia MH - Stormsch Outlet	OGS FG-HHC
					ea	ea	ea						ea	ea	ea	ea	ea	ea	ea	ea	ea
Sub-Totals Brought Forward																					
1	1+003.4	Dickson Drive LT	5.20	705.010	1				429.044	427.587	2.057	600(S)	1								
2	1+003.4	Dickson Drive RT	5.20	701.010	1				429.044	427.555	1.789	300(S)				1					
3	1+170.5	Dickson Drive LT	5.20	701.011	2				430.442	427.363	3.379	(B)						1			
4	7+988.2	North MUP LT	2.52	701.011		1			430.660	427.280	3.980	600(S)					1				
5	1+260.0	Dickson Drive LT	5.20	701.010	1				430.879	429.310	1.869	300(S)				1					
6	1+260.0	Dickson Drive RT	5.20	705.010	1				430.879	429.454	2.025	600(S)	1								
7	1+350.0	Dickson Drive LT	5.20	701.010	1				431.328	429.790	1.838	300(S)				1					
8	1+350.0	Dickson Drive RT	5.20	705.010	1				431.328	429.934	1.994	600(S)	1								
9	1+440.0	Dickson Drive LT	5.20	701.010	1				431.973	430.450	1.823	300(S)				1					
10	1+440.0	Dickson Drive RT	5.20	705.010	1				431.973	430.564	2.009	600(S)	1								
11	8+014.5	Street A RT	5.20	701.011	1				430.259	427.488	3.091	(B)						1			
12	8+014.5	Street A LT	5.20	705.010	1				430.259	428.784	2.075	600(S)	1								
13	8+068.0	Street A LT	5.20	701.010	1				429.455	427.745	2.010	300(S)				1					
14	8+068.0	Street A RT	5.20	705.011	1				429.455	426.628	3.127	(B)						1			
15	0+963.8	Street A RT	5.20	701.010	1				428.750	427.439	1.611	300(S)				1					
16	8+068.0	Street A LT	10.80	705.030			1	6:1	429.460	427.782	1.978	600(S)	1								
Sub-Totals Carried Forward					15	1	1						5	1		6	1	2	1		
Note: Top of Grate elevation for OPSD 400.082 is 150 mm above the edge of the pavement elevation.					Totals								5	1		6	1	2	1		
					ROUNDING																
					TENDER																
					ITEM No.								1.26	1.27	1.25	1.24	1.23	1.22	1.21	1.20	1.33	1.30

CONTRACT No.M6468 — MANHOLES, CATCH BASINS AND DITCH INLETS — Pg.2

Structure No.	Station	Location	Offset Ct. Grate	Structure Type (OPSD#)	Type of Grading			Elevation		Sizes and Depths of Structures										
					OPSD 400.082	OPSD 401.010 TYPE 'B'	OPSD 403.010 TYPE 'A'	Slope	Top of Grate	Low Invert	Depth of Structure	Sump (S) Benching (B)	600mm/600mm CB	600mm/1450mm DICB	1200mm dia. MH	1200mm dia.CBMH	1500mm dia.MH	1500mm dia.CBMH	1800mm dia.TICBMH	1500 dia MH - Stormsch Outlet	OGS FG-HHC
					ea	ea	ea						ea	ea	ea	ea	ea	ea	ea	ea	ea
Sub-Totals Brought Forward					15	1	1						5	1		6	1	2	1		
17	8+093.0	Street A RT	5.20	701.011	2				429.193	427.880	1.613	300(S)							1		
18	8+093.0	Street A LT	5.20	705.020	2				429.193	427.962	1.831	600(S)			1						
19	8+155.4	Street A RT	5.20	701.010	1				429.493	427.663	2.130	300(S)						1			
20	8+155.4	Street A LT	5.20	705.010	1				429.493	427.765	2.328	600(S)	1								
21	8+191.2	Street A RT	12.20	701.011	2				429.210	427.467	2.043	300(S)						1			
22	8+203.3	Street A RT	2.89	701.011		1			429.690	427.390	2.900	600(S)					1				
23	8+226.9	Street A RT	5.58	701.011		1			429.330	427.109	2.221	(B)							1		
24	1+174.0	Dickson Drive LT	8.65	OGS -FD 4HC		1			430.680	427.336	N/A	N/A								1	
25	8+197.1	Street A RT	7.29	OGS -FD 4HC		1			429.460	427.444	N/A	N/A								1	
26	8+276.7	Street A RT	5.60	701.010		1			428.560	426.964	1.596	(B)			1						
27	7+950.2	North MUP LT	8.68	701.011		1			429.060	426.999	2.061	(B)							1		
Sub-Totals Carried Forward					23	7	1						6	1	1	1	7	2	2	3	2	2
Note: Top of Grate elevation for OPSD 400.082 is 150 mm above the edge of the pavement elevation.					Totals								6	1	1	1	7	2	2	3	2	2
					ROUNDING																	
					TENDER								6	1	1	1	7	2	2	3	2	2
					ITEM No.								1.26	1.27	1.25	1.24	1.23	1.22	1.21	1.20	1.33	1.30

CONTRACT No.M6468 — STORM SEWERS — Pg.1

Struc. No. to Struc. No. or Station to Station	Location	Invert Elevation		Max. Depth of Cover	Grade %	Bedding	Type of Backfill	Diameter, Type and Length						
		Upstream	Downstream					250 mm ø Pipe Sewer	300mm ø Pipe Sewer	375mm ø Pipe Sewer	525mm ø Conc. Pipe Sewer	600mm ø Conc. Pipe Sewer		
				m				m	m	m	m	m		
Sub-Totals Brought Forward														
Ditch LT	1	Dickson Drive	427.600	427.586		0.30	Gran 'A'	N		4.6				
1	2	Dickson Drive	427.586	427.555		0.30	Gran 'A'	N		10.4				
2	Ditch RT	Dickson Drive	427.600	427.582		0.30	Gran 'A'	N		5.9				
2	15	Dickson Drive	427.555	427.439		0.30	Gran 'A'	N		39.1				
15	Ditch	Dickson Drive	427.439	427.430		0.28	Gran 'A'	N		3.2				
3	24	Dickson Drive	427.363	427.336		0.55	Gran 'A'	N			4.9			
24	4	Dickson Drive	427.336	427.310		0.65	Gran 'A'	N			4.0			
5	3	Dickson Drive	429.310	427.968		1.50	Gran 'A'	N		89.5				
6	5	Dickson Drive	429.454	429.350		1.00	Gran 'A'	N	10.4					
7	5	Dickson Drive	429.790	429.340		0.50	Gran 'A'	N		90.0				
8	7	Dickson Drive	429.934	429.830		1.00	Gran 'A'	N	10.4					
9	7	Dickson Drive	430.450	429.820		0.70	Gran 'A'	N		90.0				
10	9	Dickson Drive	430.564	430.460		1.00	Gran 'A'	N	10.4					
Sub-Totals Carried Forward									31.2	332.7	0.0	0.0	8.9	
Notes:				Totals					62.4	518.5	20.7	10.4	83.7	
				ROUNDING										
				TENDER										
				ITEM No.					1.18	1.17	1.16	1.14	1.13	

CONTRACT No.M6468 — STORM SEWERS — Pg.2

Struc. No. to Struc. No. or Station to Station	Location	Invert Elevation		Max. Depth of Cover	Grade %	Bedding	Type of Backfill	Diameter, Type and Length						
		Upstream	Downstream					250 mm ø Pipe Sewer	300mm ø Pipe Sewer	375mm ø Pipe Sewer	525mm ø Conc. Pipe Sewer	600mm ø Conc. Pipe Sewer		
				m				m	m	m	m	m		
Sub-Totals Brought Forward								31.2	332.7	0.0	0.0	8.9		
3	11	Dickson Drive	427.468	427.363		0.49	Gran 'A'	N					21.3	
12	11	Street A	428.784	428.680		1.00	Gran 'A'	N	10.4					
14	11	Street A	427.628	427.468		0.30	Gran 'A'	N					53.5	
16	13	Street A	427.782	427.765		0.30	Gran 'A'	N			5.6			
13	14	Street A	427.745	427.703		0.40	Gran 'A'	N				10.4		
18	17	Street A	427.962	427.910		0.50	Gran 'A'	N	10.4					
17	19	Street A	427.880	427.693		0.30	Gran 'A'	N		62.4				
20	19	Street A	427.765	427.713		0.50	Gran 'A'	N	10.4					
19	21	Street A	427.663	427.542		0.30	Gran 'A'	N		40.2				
21	25	Street A	427.467	427.444		0.30	Gran 'A'	N			7.6			
25	22	Street A	427.444	427.420		0.32	Gran 'A'	N			7.5			
23	26	Street A	427.109	426.964		0.29	Gran 'A'	N		49.8				
26	Outlet	Street A	426.964	426.900		0.30	Gran 'A'	N		21.1				
27	Outlet	North MUP	426.999	426.956		0.35	Gran 'A'	N		12.2				
Sub-Totals Carried Forward									62.4	518.5	20.7	10.4	83.7	
Notes:				Totals					62.4	518.5	20.7	10.4	83.7	
				ROUNDING					0.6	0.5	0.3	0.6	0.3	
				TENDER					63.0	519.0	21.0	11.0	84.0	
				ITEM No.					1.18	1.17	1.16	1.14	1.13	

CONTRACT No. M6468 — SANITARY MANHOLES — Pg.1

Structure No.	Station	Location	Offset Ct. Grate	Structure Type (OPSD#)	Type of Grading				Elevation		Sizes and Depths of Structures										
					Ladder Rungs	Autolatch C-SKH ONT.			Top of Grate	Low Invert	Depth of Structure	Benching (B)	1200mm dia. Manhole								
					ea								ea								
Sub-Totals Brought Forward																					
S1	1+063	Dickson Drive	0.00	701.010	1				430.499	427.605	2.894	(B)	1								
S2	1+123	Dickson Drive	0.00	701.010	1				430.811	428.025	2.786	(B)	1								
S3	1+184.2	Dickson Drive	0.00	701.010	1				430.591	428.453	2.138	(B)	1								
S4	1+269	Dickson Drive	0.00	701.010	1				431.014	428.842	2.172	(B)	1								
S5	1+359	Dickson Drive	0.00	701.010	1				431.463	429.232	2.231	(B)	1								
S6	1+449	Dickson Drive	0.00	701.010	1				432.159	430.162	1.997	(B)	1								
Sub-Totals Carried Forward					6								6								
Notes:					Totals								6								
					Rounding																
					Tender								6								
					Item No.								2.04								

CONTRACT No.M648 — SANITARY SEWERS — Pg.1

Struc. No. to Struc. No. or Station to Station	Location	Invert Elevation		Max. Depth of Cover	Grade %	Bedding	Type of Backfill	Diameter, Type and Length						
		Upstream	Downstream					200mm ø PVC Sanitary Sewer	300mm ø PVC Sanitary Sewer	150mm ø PVC Carrier Sleeve				
				m				m	m	m				
Sub-Totals Brought Forward														
S1	Exist.	Dickson Drive	427.605	427.043	0.65	Gran 'A'	N		86.4					
S2	S1	Dickson Drive	428.025	427.635	0.65	Gran 'A'	N		60.0					
S3	S2	Dickson Drive	428.453	428.055	0.65	Gran 'A'	N		61.2					
S4	S3	Dickson Drive	428.842	428.503	0.40	Gran 'A'	N	64.8						
S5	S4	Dickson Drive	429.232	428.872	0.40	Gran 'A'	N	90.0						
S6	S5	Dickson Drive	430.162	429.262	1.00	Gran 'A'	N	90.0						
S3	Carrier Sleeve	Dickson Drive	428.753	428.753	0.00	Gran 'A'	N			15.5				
S3	Carrier Sleeve	Dickson Drive	428.753	428.753	0.00	Gran 'A'	N			15.5				
Sub-Totals Carried Forward								264.8	207.6	31.0				
Notes:				Totals				264.8	207.6	31.0				
				Rounding				0.2	0.4	0.0				
				Tender				265.0	208.0	31.0				
				Item No.				2.03	2.02	2.07				

CONTRACT No. M6468 — STRUCTURE ADJUSTMENTS AND CONNECTIONS — Pg.1

Structure No.	Station	Location	Offset Ct. Grate	Structure Type (OPSD#)	Ladder Rungs	Type of Grading				Elevation		Depth of Structure	Items							
						Autolatch C-SKH ONT.			Slope	Top of Grate	Low Invert	Benching (B)	Supply and Install New Manhole Frame and Cover	Adjustment of Existing Structure	Break Into and Connect to Existing Structure or Sewer					
						ea							ea	ea	ea					
Sub-Totals Brought Forward																				
A1	0+976.6	Dickson Drive LT	1.20			1				428.743			1	1	1					
Sub-Totals Carried Forward						1							1	1	1					
Notes:					Totals								1	1	1					
					Rounding								-	-	-					
					Tender								1	1	1					
					Item No.								2.05	2.06	2.01					

NOTES

No	DATE	REVISION	INITIAL
03	MAY 2023	REISSUED FOR CONSTRUCTION	T.J.K.
02	APR. 2023	ISSUED FOR CONSTRUCTION	T.J.K.
01	MAR. 2023	ISSUED FOR TENDER	T.J.K.

LICENCED PROFESSIONAL ENGINEER — T. J. KENNEDY — 100224503 — 15/05/23 — PROVINCE OF ONTARIO

LICENCED PROFESSIONAL ENGINEER — D.G. DONALDSON — May 15, 2023 — PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

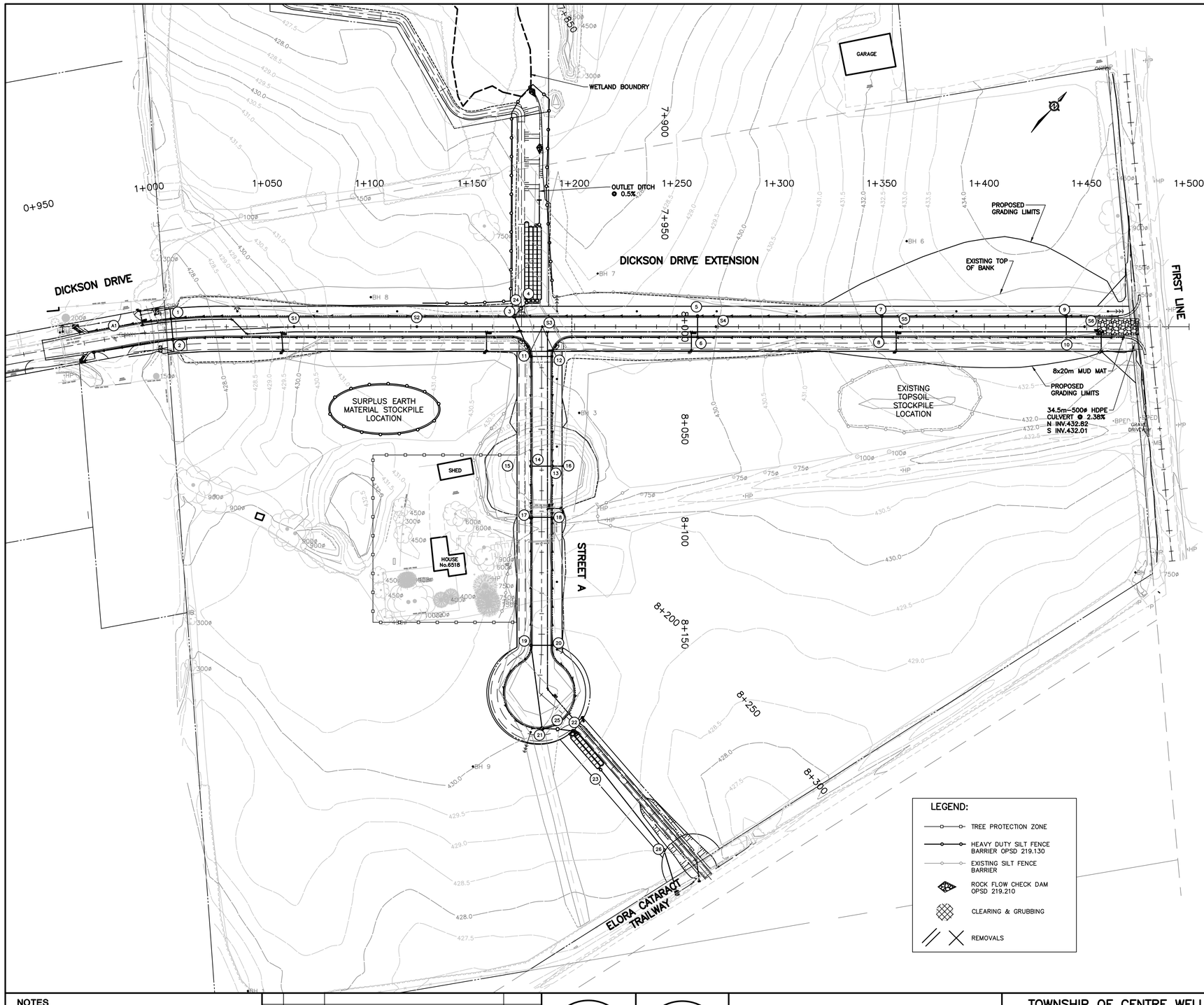
SEWER CHARTS

PROJECT No.	RFT-12-23
TRITON FILE No.	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	T.J.K.
DATE:	FEBRUARY 2023

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
N/A (HORIZONTAL) N/A (VERTICAL)

DRAWING NUMBER 14



SEDIMENT AND EROSION CONTROL NOTES:

1. ALL CONSTRUCTION ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF DEBRIS, SEDIMENTS, OR OTHER DELETERIOUS PRODUCTS TO THE WETLAND. EQUIPMENT MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30 METRES FROM THE WETLAND.
2. SEDIMENT LADEN RUNOFF FROM DISTURBED AREAS TO THE NATURAL FEATURE IS NOT ALLOWED.
3. ESC MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE NATURAL AREAS. ESC MEASURES ARE TO BE EVALUATED ON A WEEKLY BASIS AND AFTER ANY STORM EVENT. ANY REPAIRS REQUIRED ARE TO BE RECTIFIED IMMEDIATELY.
4. THE EROSION AND SEDIMENT CONTROL (ESC) PLAN IS A DYNAMIC DOCUMENT, WHICH MAY BE SUBJECT TO CHANGE OR MODIFICATIONS AS A RESULT OF SITE DEVELOPMENTS OR CHANGES ON SITE. ANY DEVIATION FROM APPROVED PLANS MUST BE DESIGNED BY A QUALIFIED PROFESSIONAL.
5. ADDITIONAL ESC MATERIALS (I.E. SILT FENCE, FILTER SOCKS, CLEAR STONES, ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIRS.
6. ANY SEDIMENT SPILL FROM THE SITE SHOULD BE REPORTED TO MINISTRY OF ENVIRONMENT (SPILL ACTION CENTER) AT 1-800-268-6060.
7. IF EXCESSIVE SILTATION RESULTS FROM THE CONSTRUCTION ACTIVITIES, THE ONSITE SUPERVISOR/INSPECTOR AND/OR GRCA RESERVE THE RIGHT TO REQUEST ADDITIONAL ESC MEASURES WHICH WOULD BE INSTALLED PRIOR TO FURTHER CONSTRUCTION ACTIVITIES.
8. PROBABLE SILT FENCE BARRIER LOCATIONS ARE SHOWN. PROVIDE SILT FENCE BARRIERS WHERE REQUIRED AND AS MAY BE DIRECTED BY THE CONTRACT ADMINISTRATOR.
9. ALL EXCAVATIONS AND SUBSEQUENT WORK SHALL BE UNDERTAKEN IN THE DRY. GROUNDWATER FLOW AND SURFACE FLOW ENTERING ANY EXCAVATION SHALL BE REMOVED FROM THE EXCAVATIONS.
10. ALL TEMPORARY WORK AND SEDIMENT CONTROLS SHALL NOT BE REMOVED FROM THE SITE UNTIL DIRECTED BY THE CONTRACT ADMINISTRATOR.
11. NO RUN-OFF FROM EXCAVATED OR UNVEGETATED AREAS SHALL BE DISCHARGED INTO STORM SEWERS OR NATURAL FEATURES.
12. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE GRCA PERMIT. PERMIT TO BE KEPT ON SITE.
13. EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND SANITARY MANHOLES, CATCHBASINS, AND DITCHES.

NOTES

No	DATE	REVISION	INITIAL
03	APR. 2023	ISSUED FOR CONSTRUCTION	T.J.K.
02	MAR. 2023	ISSUED FOR TENDER	T.J.K.
01	JAN. 2023	ISSUED FOR GRCA APPROVAL	T.J.K.

LICENSED PROFESSIONAL ENGINEER T. J. KRAUSE 100224803 24/04/23 PROVINCE OF ONTARIO

LICENSED PROFESSIONAL ENGINEER D.G. DONALDSON Apr 24, 2023 PROVINCE OF ONTARIO

CONSTRUCTION OF
CENTRE WELLINGTON BUSINESS PARK
(NORTH FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

SEDIMENT AND EROSION CONTROL PLAN

PROJECT No.	RFT-12-23
TRITON FILE No.	M6468
DRAWN BY:	K.J.G.
CHECKED BY:	T.J.K.
APPROVED BY:	T.J.K.
DATE:	JANUARY 2023

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
1:1000 HORIZONTAL
N/A VERTICAL

DRAWING NUMBER 15