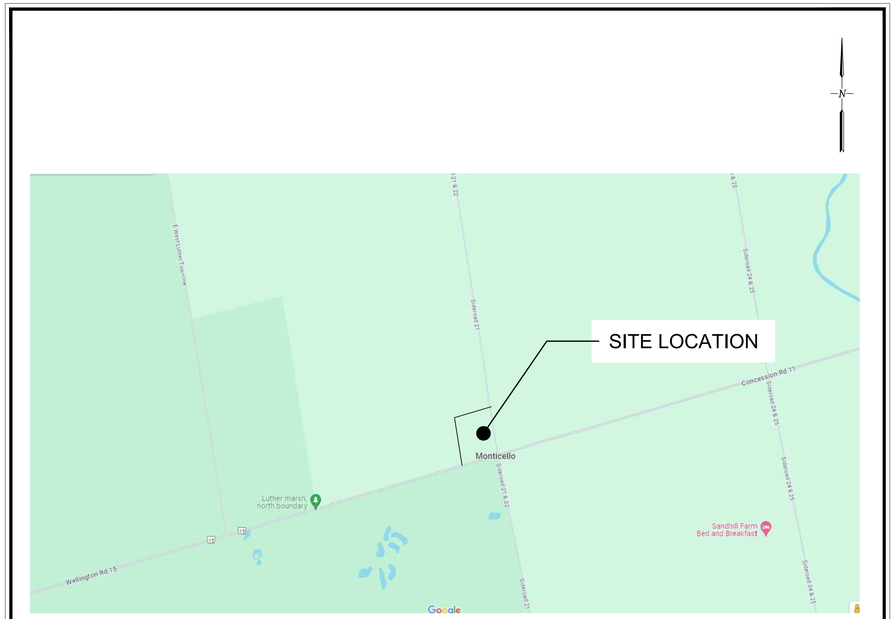
THE TOWN OF GRAND VALLEY

MONTICELLO SUBDIVISION

THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

R.J. Burnside & Associates Limited
15 Townline
Orangeville, Ontario, L9W 3R4
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web www.rjburnside.com



KEY PLAN
N.T.S.

DRAWING INDEX

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007	PLAN AND PROFILE	HILL TOWN DRIVE	0+000 to 0+260
008	PLAN AND PROFILE	HILL TOWN DRIVE	0+260 to 0+510.57
009	PLAN AND PROFILE	SIDEROAD 21-22	0+000 to 0+300
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012	ROGERS CONDUIT DESIGN DRAWING		
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Burnside Project No. 300053601

ISSUED FOR CONSTRUCTION - 26/04/27

BURNSIDE

THE TOWN OF GRAND VALLEY - MONTICELLO SUBDIVISION
Burnside Project No. 300053601 - ISSUED FOR CONSTRUCTION - 26/04/27

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GENERAL NOTES

ALL WORKS TO BE IN ACCORDANCE WITH TOWN OF GRAND VALLEY AND OPSS SPECIFICATIONS.

ROADWORKS:

CLEAR AND GRUB WITHIN LIMITS NOTED.

STRIP AND STOCKPILE TOPSOIL.

COMPLETE EARTHWORKS TO DESIGN ELEVATIONS.
PREGRADE OF LOTS 450mm

PREGRADE OF RIGHT OF WAY:
PREGRADE OF DITCHES 150mm
PREGRADE OF ROAD BASE 690mm

REINSTATE LOTS WITH 200mm DEPTH OF TOPSOIL.

ROAD BASE:

40mm HL#3 (2027)
50mm HL#8 (2026)
150mm GRANULAR A
450mm GRANULAR B (MODIFIED TOWN SPEC.)

ROADSIDE DITCH:

150mm TOPSOIL, HYDRAULIC SEED AND MULCH (GRASS SEED MIXTURE).

150mmØ CORRUGATED POLYETHYLENE TUBING WITH GEOTEXTILE (SUBDRAINS).
INSTALLED WITH CLEAR STONE WRAPPED IN GEOTEXTILE.

SUBDRAIN TO BE INSTALLED IN BOTTOM OF HILLTOWN DITCHES WITH CLEAR STONE WRAPPED IN GEOTEXTILE (TYP)

ROAD CROSS CULVERTS:

HDPE, 320 kPa WITH BELL SPIGOT JOINTS WITH FROST TAPER.

FIELD TILE:

PLUG EXISTING 100mmØ CLAY FIELD TILE IF LOCATED DURING CONSTRUCTION. (PROVISIONAL)

SIDEROAD 21/22:

REMOVE EXISTING ASPHALT TO LIMITS ON CONTRACT DRAWINGS
SCARIFY ROAD BASE, PAD AND FINE GRADE WITH GRANULAR A
HL#3 (2027)
HL#8 (2026)

TRANSFORMER DRIVEWAYS:

CULVERTS TO BE 10m LONG, 450mm HDPE, 320 kPa WITH BELL SPIGOT JOINTS

MINIMUM 300mm GRANULAR B BASE WITH MINIMUM 150mm GRANULAR A

DRIVEWAY WIDTH OF 4m

ACCESS DRIVEWAYS:

CULVERTS TO BE 12m LONG, 450mm HDPE, 320 kPa WITH BELL SPIGOT JOINTS

MINIMUM 300mm GRANULAR B BASE WITH MINIMUM 150mm GRANULAR A

DRIVEWAY WIDTH OF 6m

FUTURE RESIDENTIAL DRIVEWAYS (BY OTHERS):

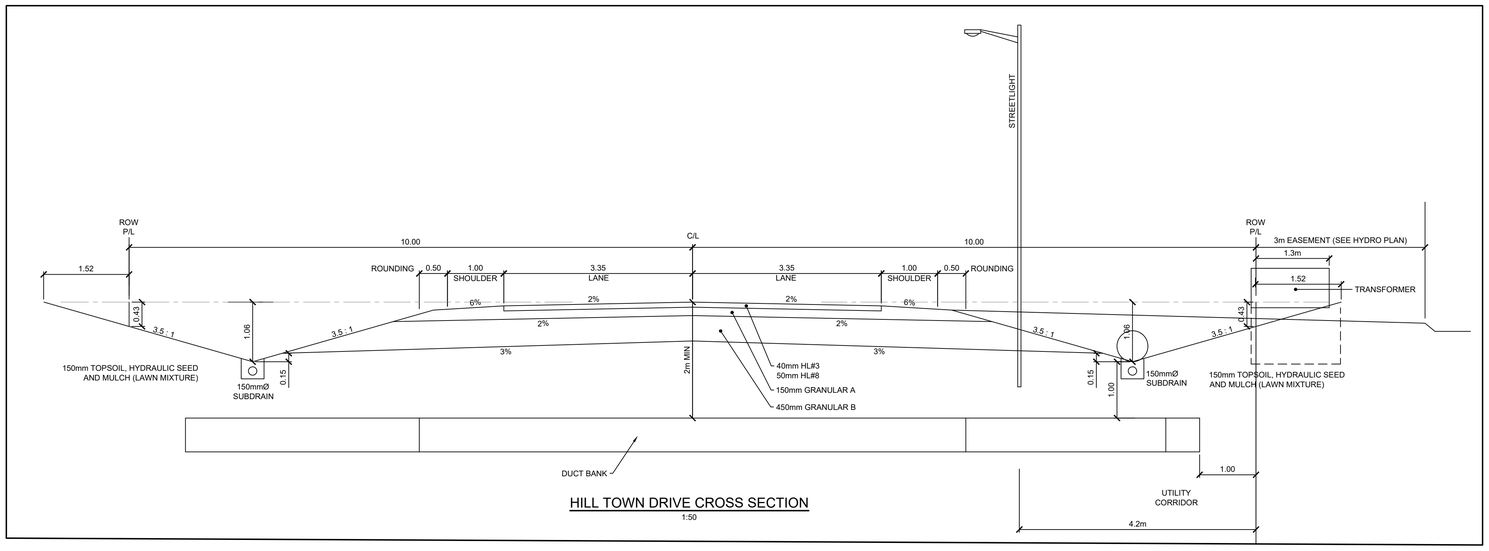
CAREFULLY REMOVE TOPSOIL AND REPLACE WITH GRANULAR A. AS TO AVOID DAMAGE TO EXISTING SUBDRAIN. SUBDRAIN SHOULD BE REPAIRED IF DAMAGED.

CULVERTS TO BE 12m LONG, 450mm HDPE, 320 kPa WITH BELL SPIGOT JOINTS

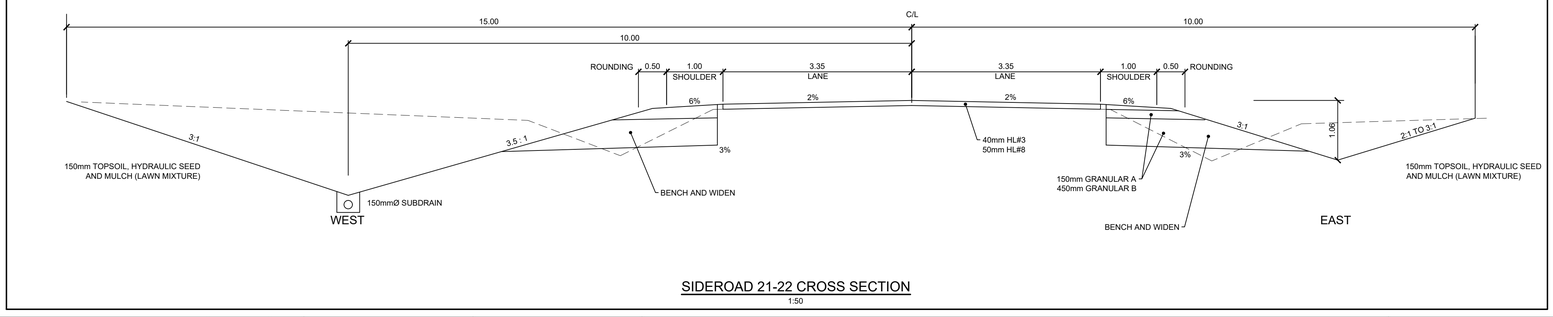
MINIMUM 200mm GRANULAR A BASE WITH MINIMUM 50mm HL3

MAXIMUM DRIVEWAY WIDTH OF 6m

OSC Rural Ontario Roadside Native Seed Mix (8145)		
Scientific Name	**Common Name**	**% of Mix**
Desmodium canadense	Showy Tick Trefoil	3%
Elymus canadensis	Canada Wild Rye	24%
Elymus virginicus	Virginia Wild Rye	22%
Eupatorium perfoliatum	Boneset	1%
Liatris spicata	Dense Blazing Star	1%
Monarda fistulosa	Wild Bergamot	1%
Penstemon digitalis	Foxglove/Beardtongue	2%
Rudbeckia hirta	Black Eyed Susan	2%
Schizachyrium scoparuim	Little Bluestem	20%
Sorghastrum nutans	Indiangrass	20%
Symphyotrichum novae-angliae	New England Aster	2%
Verbena hastata	Blue Vervain	2%
		100%
Seed Mix Application Rate: 500g/180m2 or 25/kgs/ha for larger sites		



HILL TOWN DRIVE CROSS SECTION
1:50



SIDEROAD 21-22 CROSS SECTION
1:50

Notes
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2. The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.
3. This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.

FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
0	ISSUED FOR 60% CLIENT REVIEW	24/09/12	GC
1	ISSUED FOR APPROVAL	24/12/18	RS
2	ISSUED FOR GRCA PERMIT	25/03/21	CD
3	RE-ISSUED FOR APPROVAL	25/06/06	CD
4	ISSUED FOR TENDER	26/02/10	CD
5	ISSUED FOR CONSTRUCTION	26/04/27	CD
6	REVISED GRADING PLAN UPDATES	7/29/2026	CD

LICENSED PROFESSIONAL ENGINEER
26/09/10
C. E. DIXON
100135629
PROVINCE OF ONTARIO

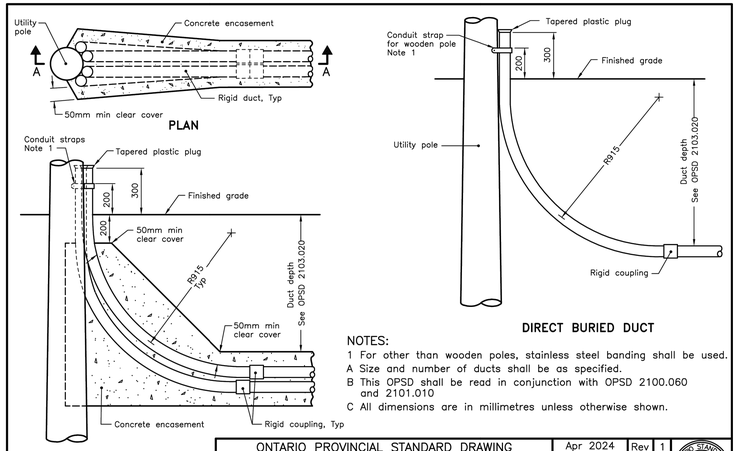
BURNSIDE
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Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

Drawing Title
MONTICELLO SUBDIVISION
GENERAL NOTES AND DETAILS
SHEET No. 1

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	24/06/19	**001**
Project No. 300053601		Contract No.		Revision No. 6	
Scale AS NOTED					

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NOTES:

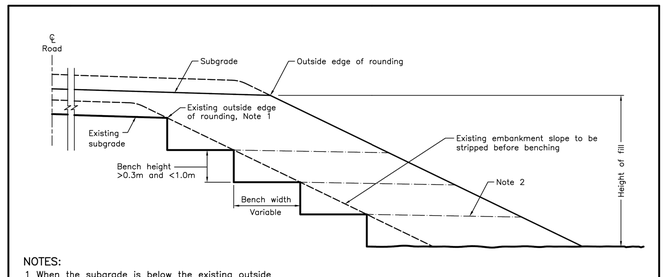
1 For other than wooden poles, stainless steel banding shall be used.

A Size and number of ducts shall be as specified.

B This OPSD shall be read in conjunction with OPSD 2100.060 and 2101.010

C All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Apr 2024	Rev 1
RIGID DUCT TERMINATION FOR HIGH VOLTAGE CABLES AT UTILITY POLES		
		OPSD 2103.010



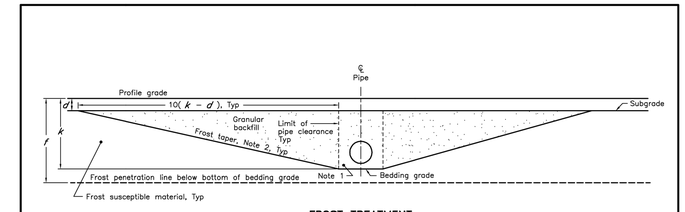
NOTES:

1 When the subgrade is below the existing outside edge of rounding, benching shall be carried out below the point where the subgrade intersects the existing slope.

2 Benches shall be excavated one level at a time and the fill placed and compacted before the next bench is excavated.

A Benching is not required on existing slopes flatter than 3H:1V.

ONTARIO PROVINCIAL STANDARD DRAWING	Apr 2019	Rev 4
BENCHING OF EARTH SLOPES		
		OPSD 208.010



FROST TREATMENT
RIGID AND FLEXIBLE PIPE

NOTES:

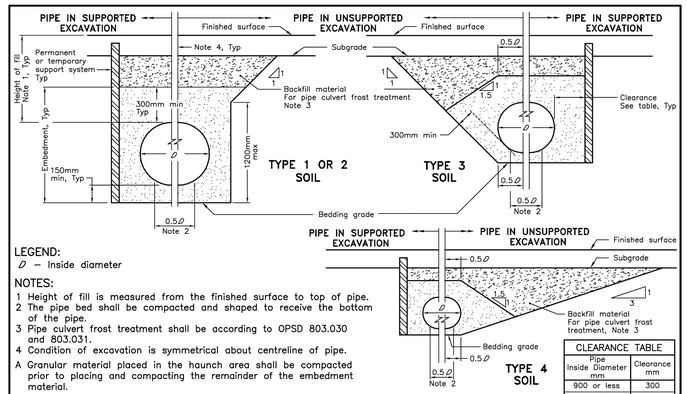
1 Pipe embedment or bedding, cover, and backfill shall be according to:
- a) Flexible OPSD 802.010, 802.013, 802.014, 802.020, 802.023, and 802.024.
- b) Rigid – OPSD 802.030, 802.031, 802.032, 802.033, 802.034, 802.050, 802.051, 802.052, 802.053, and 802.054.

2 Frost tapers shall start at bedding grade.

LEGEND:

d –depth of roadbed granular
k –depth of frost treatment below profile grade
f –depth of frost penetration below profile grade

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 3
FROST TREATMENT – PIPE CULVERTS FROST PENETRATION LINE BELOW BEDDING GRADE		
		OPSD 803.030



LEGEND:

D – Inside diameter

NOTES:

1 Height of fill is measured from the finished surface to top of pipe.

2 The pipe bed shall be compacted and shaped to receive the bottom of the pipe.

3 Pipe culvert frost treatment shall be according to OPSD 803.030 and 803.031.

4 Condition of excavation is symmetrical about centreline of pipe.

A Granular material placed in the haunch area shall be compacted prior to placing and compacting the remainder of the embedment material.

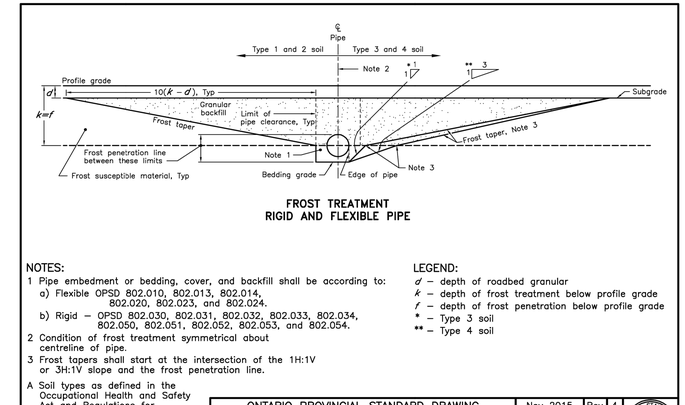
B Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.

C All dimensions are in metres unless otherwise shown.

CLEARANCE TABLE

Pipe Inside Diameter mm	Clearance mm
900 or less	300
Over 900	500

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 3
FLEXIBLE PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION		
		OPSD 802.010



FROST TREATMENT
RIGID AND FLEXIBLE PIPE

NOTES:

1 Pipe embedment or bedding, cover, and backfill shall be according to:
- a) Flexible OPSD 802.010, 802.013, 802.014, 802.020, 802.023, and 802.024.
- b) Rigid – OPSD 802.030, 802.031, 802.032, 802.033, 802.034, 802.050, 802.051, 802.052, 802.053, and 802.054.

2 Condition of frost treatment symmetrical about centreline of pipe.

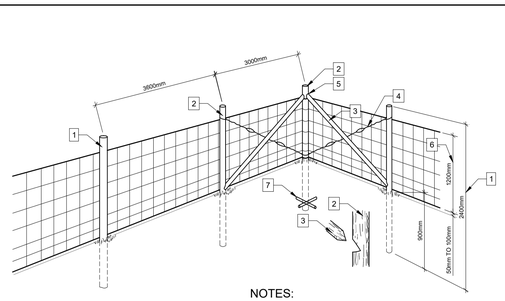
3 Frost tapers shall start at the intersection of the 1H:1V or 3H:1V slope and the frost penetration line.

A Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.

LEGEND:

d – depth of roadbed granular
k – depth of frost treatment below profile grade
f – depth of frost penetration below profile grade
* – Type 3 soil
** – Type 4 soil

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 4
FROST TREATMENT – PIPE CULVERTS FROST PENETRATION LINE BETWEEN TOP OF PIPE AND BEDDING GRADE		
		OPSD 803.031

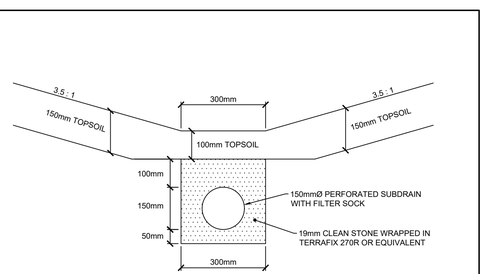


PAIGE WIRE FENCING DETAIL

SCALE N.T.S.

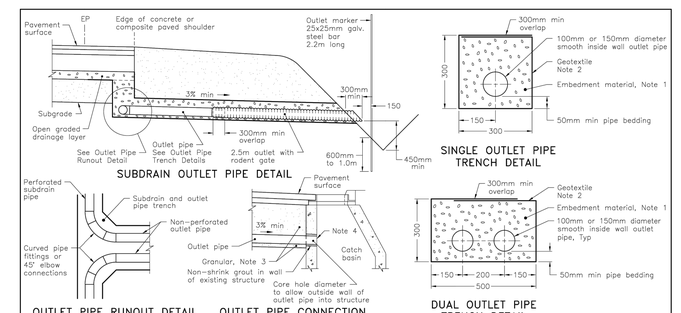
NOTES:

1. 125mm (5 in.) DIA. CEDAR POSTS, USE 2400mm (8 ft) TOTAL POST LENGTH
2. CORNER AND BRACE POSTS MIN. 150mm (6 in.) DIA.
3. 100mm (4in.) DIA. BRACE RAIL, NOTCHED AND SPIKED INTO 2 (CORNER AND BRACE POSTS).
4. 4mm (NO.9) BRACE WIRE, TWIST AT TWO LOCATIONS TO TIGHTEN.
5. START FENCING AT CORNER POSTS.
6. PAIGE WIRE FENCING (SEE MANUFACTURER'S SPECIFICATIONS) USE 1200mm (48 in.) HIGH.
7. CORNER AND END-POST ANCHORS, WIRED AND SPIKED TO POST.
8. LAST TWO END POSTS, MIN. 150mm (6 in.) DIA.
9. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.



SUBDRAIN DETAIL

1:10



NOTES:

1 Embedment material shall be open graded drainage layer aggregate.

2 Outlet pipe trench embedment material shall be wrapped with geotextile.

3 For catch basin connections, outlet pipe trenches backfilled with granular do not require geotextile wrap.

4 Install outlet pipe flush with inside face of catch basin.

A This standard to be read in conjunction with OPSD 207.041.

B Use compatible manufactured fittings for all connectors and couplings.

C All dimensions are in millimetres unless otherwise shown.

LEGEND:

Open graded drainage layer
Granular
Concrete pavement

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2023	Rev 6
SUBDRAIN PIPE CONNECTION AND OUTLET OPEN GRADED DRAINAGE LAYER		
		OPSD 207.044

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3. This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.

FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
0	ISSUED FOR GRCA PERMIT	25/03/21	CD
1	ISSUED FOR APPROVAL	24/12/18	RS
2	RE-ISSUED FOR APPROVAL	25/06/06	CD
3	ISSUED FOR TENDER	26/02/10	CD
4	ISSUED FOR CONSTRUCTION	26/04/27	CD

LICENSED PROFESSIONAL ENGINEER
26/09/10
C. E. DIXON
100135629
PROVINCE OF ONTARIO

BURNSIDE

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Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

Drawing Title
MONTICELLO SUBDIVISION

GENERAL NOTES AND DETAILS
SHEET No. 2

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	25/01/06	002
Project No. 300053601		Contract No.		Revision No. 4	
Scale AS NOTED					

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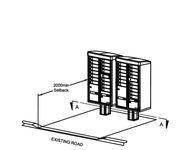
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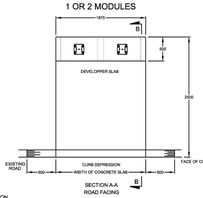
NOTES:

1. THIS DRAWING IS ONLY TO BE USED ON ROADS WITH POSTED LIMITS OF 60 KM/H OR LESS AND LOW TRAFFIC VOLUME (<750 ADT AS PER TRANSPORTATION ASSOCIATION OF CANADA'S GEOMETRIC DESIGN FOR CANADIAN ROADS- (CHAPTER 7- ROADSIDE DESIGN).
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE. ABIDE BY LOCAL MUNICIPAL BY-LAWS AND REGULATORY AGENCIES THAT MAY AFFECT THE WORK.
3. THE CONTRACTOR SHALL REVIEW THE SITE CONDITIONS AND ASSUME RESPONSIBILITY FOR EXISTING SERVICES (WATER, POWER, SEWAGE, GAS ETC.) THAT EXIST AT THE SITE.
4. CONCRETE SLAB TO HAVE A MINIMUM THICKNESS OF 250 mm.
5. CONCRETE SLAB SHALL BE PLACED ON 150 mm MINIMUM THICK BASE OF GRANULAR MATERIAL (OPSS GRANULAR 'A' OR EQUIVALENT) COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
6. GRANULAR BASE SHALL BE PLACED ON SOIL CAPABLE OF SAFELY SUSTAINING A BEARING PRESSURE OF NOT LESS THAN 30 kPa.
7. CONCRETE CONSTRUCTION SHALL CONFORM TO CSA A23.1.
8. CONCRETE TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH CSA A23.1 AND CSA 23.2.
9. CSA A23.1 CONCRETE EXPOSURE CLASSIFICATION TO BE C-1 WITH THE FOLLOWING PROPERTIES:
   - -MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 35 MPA
   - -MINIMUM WATER TO CEMENTING MATERIALS RATIO: 0.40
   - -MAXIMUM COARSE AGGREGATE SIZE: 20 mm
   - -MAXIMUM SLUMP: 90 mm
   - -AIR CONTENT: 5% TO 8%
10. SURFACE OF SLAB TO BE SLOPED 2% -0/+4% TO THE NEAREST PLUVIAL DRAIN.
11. TOP OF SLAB TO HAVE A TEXTURED BROOM FINISH TO CSA A23.1. EDGES OF SLAB TO HAVE A SMOOTH TOOLED FINISH.
12.
13. APPLY PIGMENTED CURING COMPOUND TO SURFACE OR REBAR OF SLAB IN ACCORDANCE WITH ASTM C309 TYPE 2 (WHITE COLOUR), CLASS B (RESIN).
14. PROVIDE A MINIMUM SETBACK DISTANCE OF 2000 mm FROM ANY EDGE OF MAILBOX TO NEAREST EDGE OF TRAVELLED ROADWAY.
15. ALL SITE LOCATIONS REQUIRE CPC AND MUNICIPAL APPROVAL.
16. IF SITE CONDITIONS LIMIT PLACEMENT, CONTACT CPC FOR ASSISTANCE.
17. ADDITIONAL CURB CUTTING NOT REQUIRED WHEN ADDING MODULE TO SITE WHERE CURB DEPRESSION IS ALREADY EXISTING.

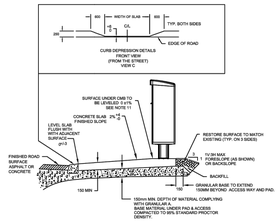
* EQUIPEMENT FLOORPRINT SHOWN FOR REFERENCE ONLY.



1 OR 2 MODULES



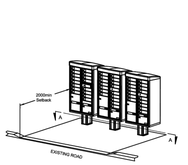
SECTION A-A
ROAD FACING

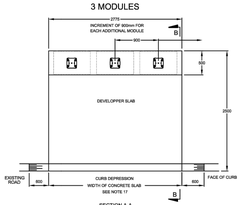


SECTION B-B

COMMUNITY MAILBOX SHOWN WITH PEDESTAL INSTALLATION. PRECAST CONCRETE BALLASTED BASE COULD ALSO BE USED.

3 MODULES





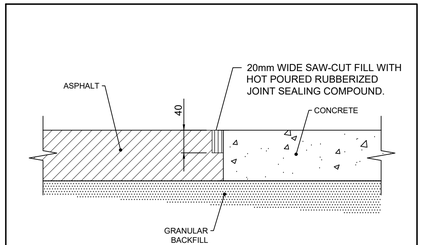
SECTION A-A
ROAD FACING

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	DESCRIPTION				

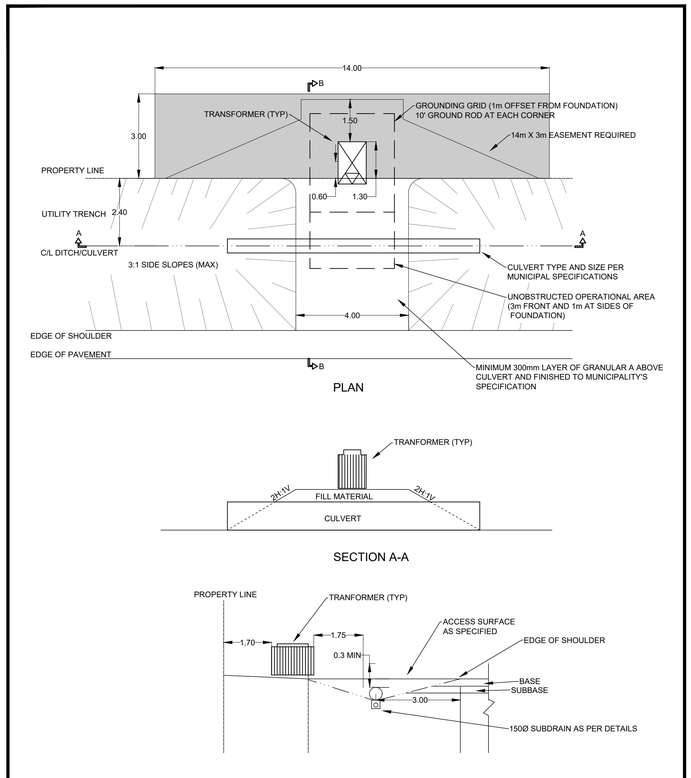
CANADA POST / POSTES

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CREATED BY CRÉÉ PAR	M. ALLARD	29-03-2019
CHECKED BY VÉRIFIÉ PAR	N. MORZEVA	29-03-2019
ENGINEERING AUTH. RESP. DU GÉNIE	K. CHAMPOUX	29-03-2019
PROJECT PROJET		
CPC #	E201-ENG-06	
TITLE TITRE	DEVELOPER PROVIDED CONCRETE PAD SPECIFICATIONS ROAD FACING INSTALLATION	
SCALE ÉCHELLE	NTS	SHEET FEUILLE 1 OF DE 1 REV:00

TOLERANCES
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETRES
SAUF S'SPÉCIFICATION CONTRAIRE, DIMENSIONS SONT EN MILLIMÈTRES
.X ±1.0
.XX ±0.5
.XXX ±0.25
ANGLES ±1°
DRAWING No. NUMÉRO DU DESSIN
E201-ENG-06



ROUT AND SEAL DETAIL
NTS



PLAN

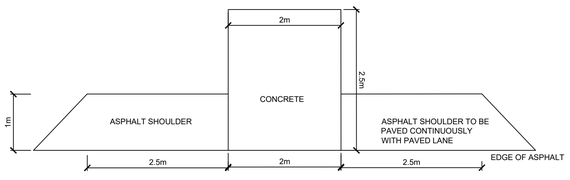
SECTION A-A

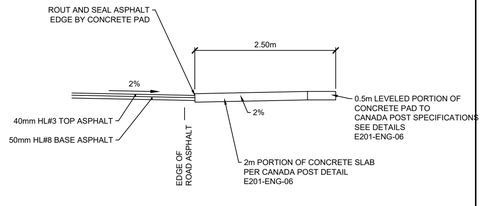
SECTION B-B

NOTE:
ALL DIMENSIONS ARE IN METER , UNLESS OTHERWISE SHOWN.
DRAWING IS NOT TO SCALE.

TRANSFORMER ACCESS & EASEMENT REQUIREMENTS

PLAN





CANADA POST DETAIL
NTS

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FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
0	ISSUED FOR GRCA PERMIT	25/03/21	CD
1	ISSUED FOR APPROVAL	24/12/18	RS
2	RE-ISSUED FOR APPROVAL	25/06/06	CD
3	ISSUED FOR TENDER	26/02/10	CD
4	ISSUED FOR CONSTRUCTION	26/04/27	CD

LICENSED PROFESSIONAL ENGINEER
26/09/10
C. E. DIXON
100135629
PROVINCE OF ONTARIO

BURNSIDE

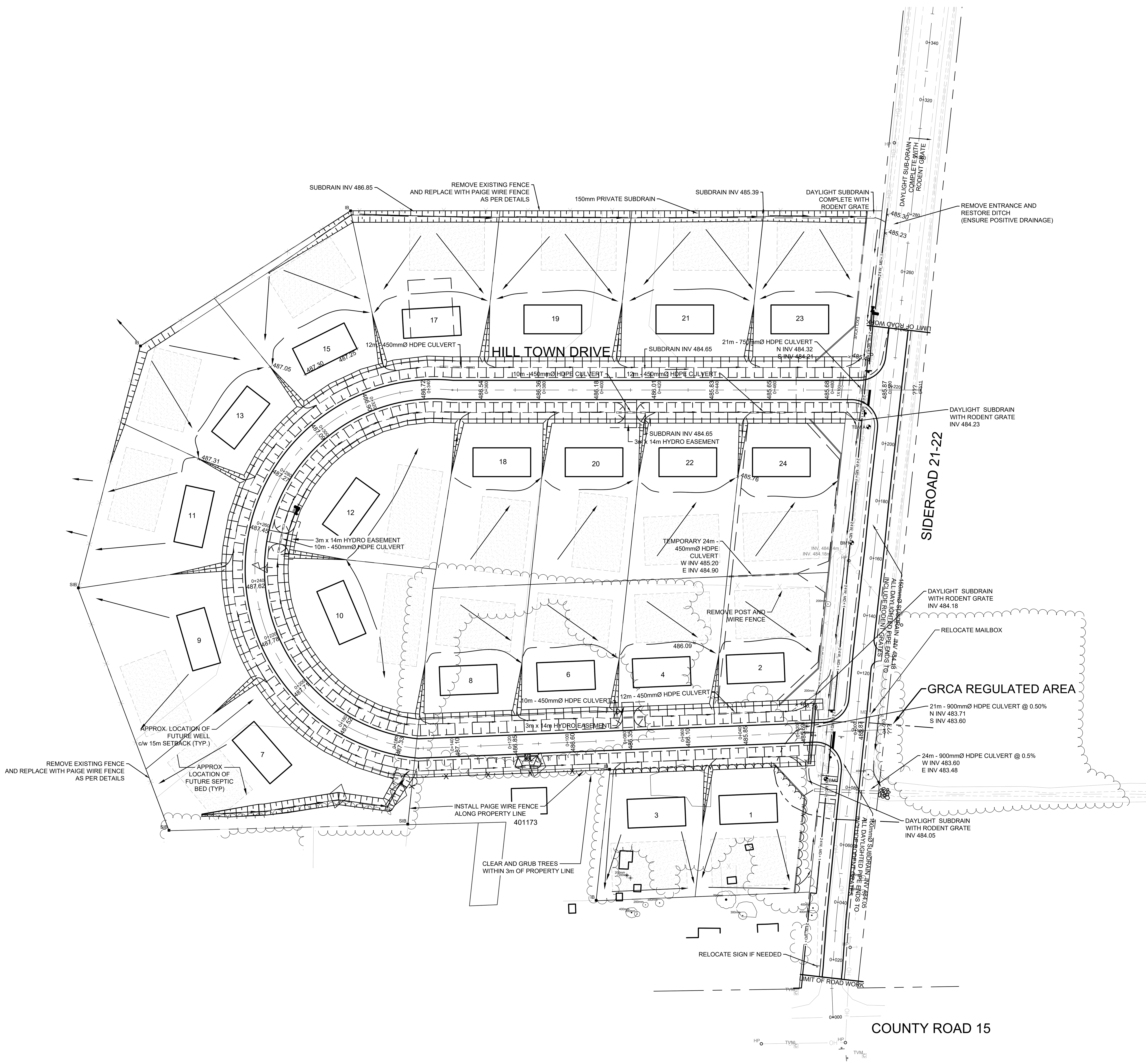
R.J. Burnside & Associates Limited
15 Townline
Orangeville, Ontario, L9W 3R4
telephone 1-800-265-9662
web www.rjburnside.com

Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

Drawing Title
MONTICELLO SUBDIVISION
GENERAL NOTES AND DETAILS
SHEET No. 3

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	YY/MM/DD	**003**
Project No. 300053601		Contract No.		Revision No. 4	
Scale AS NOTED					

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N

ELECTRICAL LEGEND (SYMBOLS):

PX	PROPOSED STREET LIGHT X DENOTES LUMINAIRE TYPE, Y DENOTES LOAD CENTER WITH CIRCUIT NUMBER, AND Z DENOTES TYPE OF POLE WITH POLE NUMBER.
	ONE 19mm DIA. X 3m COPPER CLAD GROUND WITH PROPER COMPRESSION TYPE CONNECTORS & TERMINALS FOR GROUNDING ELECTRODES.
	JOINT UTILITY CABLE/CONDUIT - DETAIL 6 ON E003
	PAD-MOUNTED TRANSFORMER
	PEDESTAL C/W STREET LIGHTING LOAD CENTER PANEL BOARD

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FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
0	ISSUED FOR 60% CLIENT REVIEW	24/09/12	GC
1	ISSUED FOR APPROVAL	24/12/18	RS
2	ISSUED FOR GRCA PERMIT	25/03/21	CD
3	ISSUED FOR PERMISSION TO ENTER	25/11/24	CD
4	ISSUED FOR TENDER	26/02/10	CD
5	ISSUED FOR CONTRUCTION	26/04/27	CD
6	REMOVAL OF CROSS CULVERT NEAR SAT 0+140	26/08/28	CD
7	PAIGE FENCE AND RELOCATED PEDESTAL	26/09/10	CD

LICENSED PROFESSIONAL ENGINEER
26/09/10
C. E. DIXON
100135629
PROVINCE OF ONTARIO

BENCHMARK INFORMATION:

PROVIDED BENCHMARKS REFERENCE GEOID MODEL HT2-2010

BM 1: SPIKE WITH MULTIPLE WASHERS IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 22, AT APPROX. STA 0+165
ELEVATION: 484.684

BM 2: SPIKE IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA. 0+082.
ELEVATION: 485.353

TEMPORARY BM A: PIN ON DITCH SLOPING, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA.0+205.00 .
ELEVATION: 485.147

BURNSIDE
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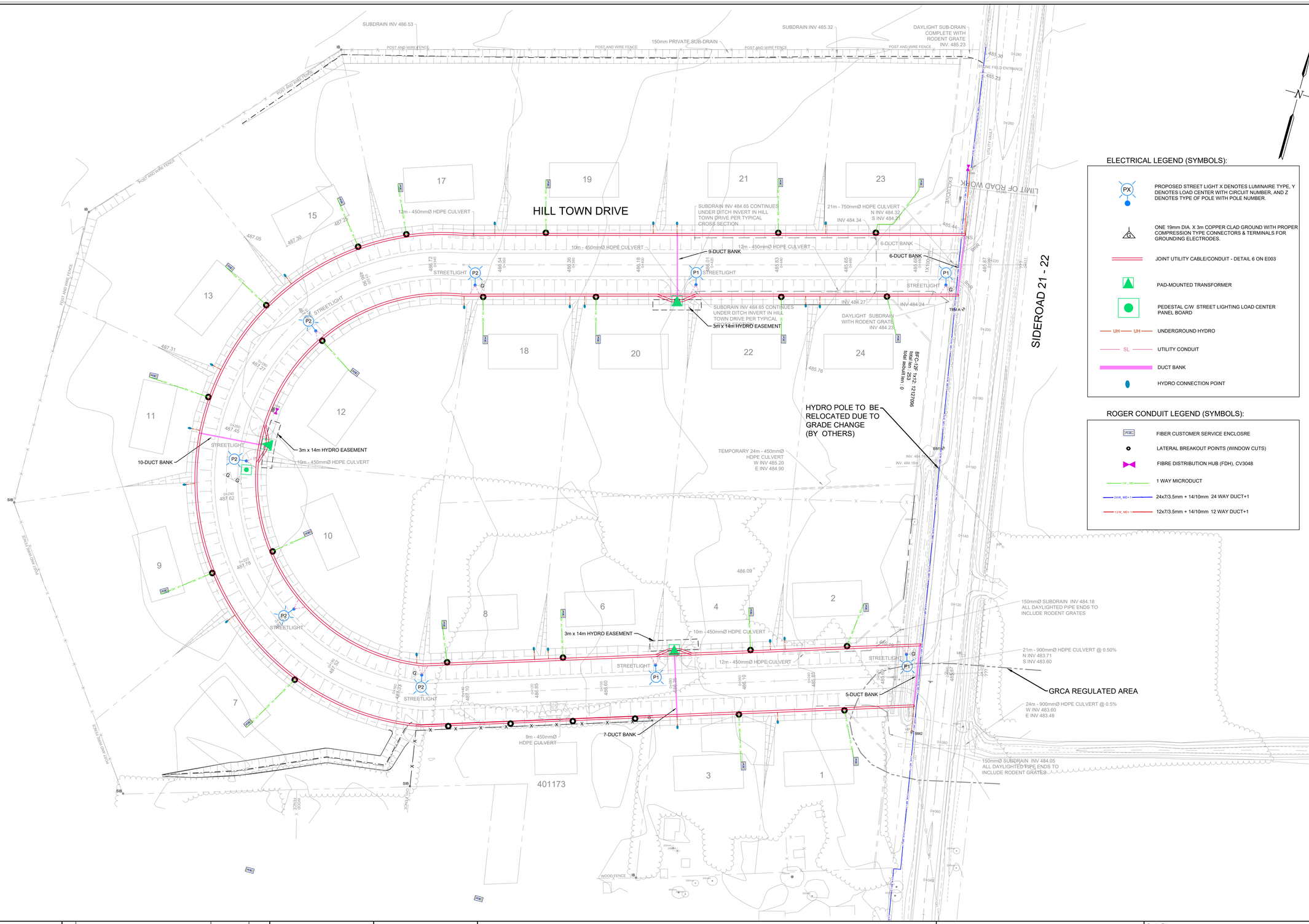
Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

Drawing Title
MONTICELLO SUBDIVISION

GENERAL PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	24/07/26	004
Project No. 300053601		Contract No.		Revision No. 5	
Scale 1:750		0 10 20 40m			

File: U:\053601\0000\03-PRD\053601 GENERAL PLAN.dwg Date Plotted: September 11, 2026 - 8:51 AM



ELECTRICAL LEGEND (SYMBOLS):

- PROPOSED STREET LIGHT X DENOTES LUMINAIRE TYPE, Y DENOTES LOAD CENTER WITH CIRCUIT NUMBER, AND Z DENOTES TYPE OF POLE WITH POLE NUMBER.
- ONE 19mm DIA. X 3m COPPER CLAD GROUND WITH PROPER COMPRESSION TYPE CONNECTORS & TERMINALS FOR GROUNDING ELECTRODES.
- JOINT UTILITY CABLE/CONDUIT - DETAIL 6 ON E003
- PAD-MOUNTED TRANSFORMER
- PEDESTAL C/W STREET LIGHTING LOAD CENTER PANEL BOARD
- UH — UH — UNDERGROUND HYDRO
- SL — UTILITY CONDUIT
- DUCT BANK
- HYDRO CONNECTION POINT

ROGER CONDUIT LEGEND (SYMBOLS):

- FCSE — FIBER CUSTOMER SERVICE ENCLOSRE
- LATERAL BREAKOUT POINTS (WINDOW CUTS)
- FIBRE DISTRIBUTION HUB (FDH), CV3048
- 1W , MD — 1 WAY MICRODUCT
- 24W, MD+1 — 24x7/3.5mm + 14/10mm 24 WAY DUCT+1
- 12W, MD+1 — 12x7/3.5mm + 14/10mm 12 WAY DUCT+1

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FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
0	ISSUED FOR GRCA PERMIT	25/03/21	CD
1	ISSUED FOR APPROVAL	24/12/18	RS
2	RE-ISSUED FOR APPROVAL	25/06/06	
3	ISSUED FOR TENDER	26/02/10	CD
4	ISSUED FOR CONSTRUCTION	26/04/27	CD
5	REMOVAL OF CROSS CULVERT NEAR STA 0+140	8/28/2026	CD
6	PAIGE FENCE AND RELOCATED PEDESTAL	26/09/10	CD

LICENSED PROFESSIONAL ENGINEER — 26/09/10 — C. E. DIXON 100135629 — PROVINCE OF ONTARIO

BENCHMARK INFORMATION:

PROVIDED BENCHMARKS REFERENCE GEOID MODEL HT2-2010

BM 1: SPIKE WITH MULTIPLE WASHERS IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 22, AT APPROX. STA 0+165
ELEVATION: 484.684

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ELEVATION: 485.353

TEMPORARY BM A: PIN ON DITCH SLOPING, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA 0+205.00
ELEVATION: 485.147

BURNSIDE

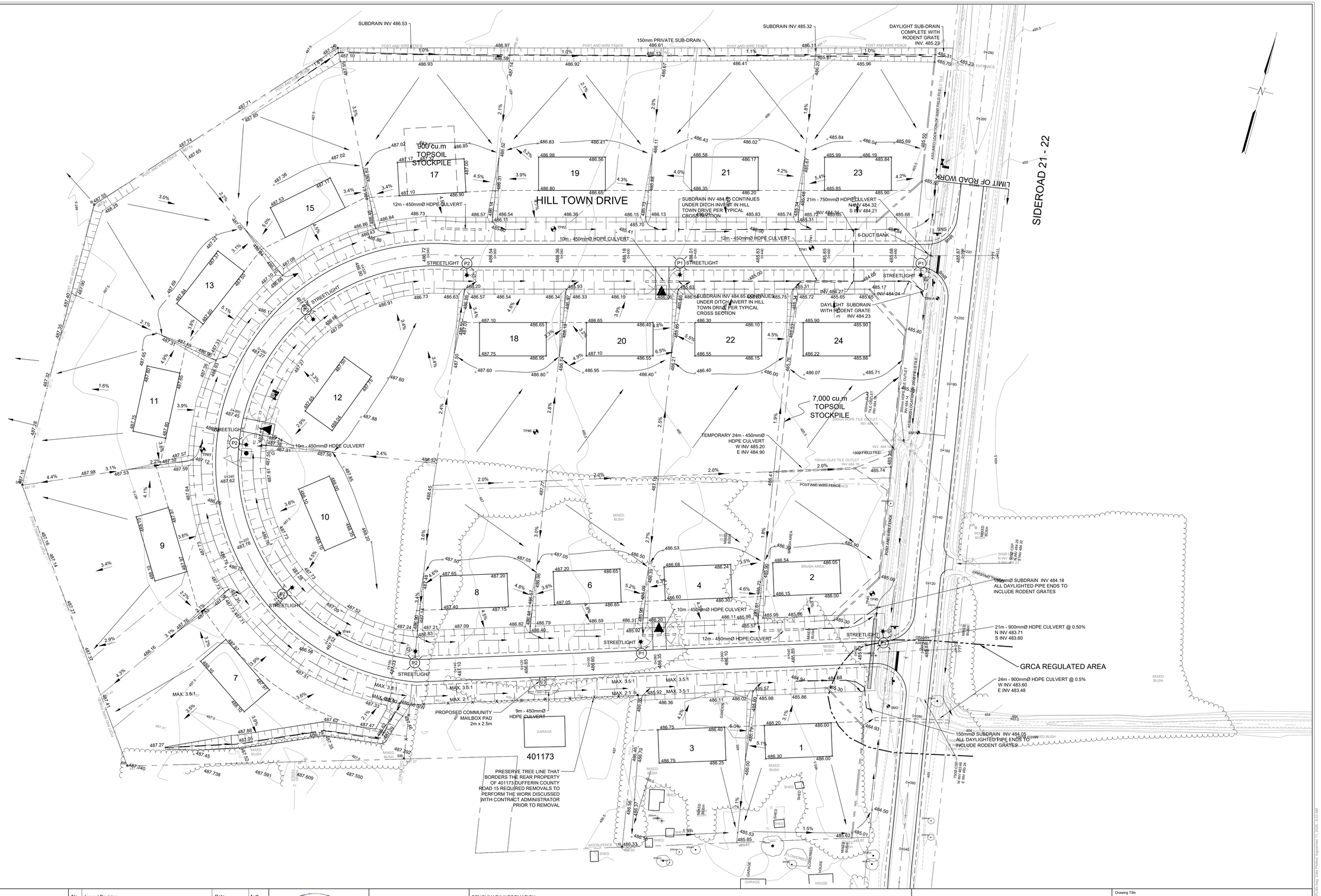
R.J. Burnside & Associates Limited
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Orangeville, Ontario, L9W 3R4
telephone 1-800-265-9662
web www.rjburnside.com

Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

Drawing Title
MONTICELLO SUBDIVISION
COMPOSITE UTILITY PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	25/01/07	005
Project No. 300053601		Contract No.		Revision No. 5	
Scale 1:500					

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FOR CONSTRUCTION

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0	ISSUED FOR 60% CLIENT REVIEW	24/09/12	GC
1	ISSUED FOR APPROVAL	24/12/18	RS
2	ISSUED FOR GRCA PERMIT	25/03/21	CD
3	ISSUED FOR TENDER	26/02/10	CD
4	ISSUED FOR CONSTRUCTION	26/04/27	CD
5	REVISED GRADING PLAN UPDATES	26/07/29	CD
6	REVISED BENCHMARK INFORMATION	7/29/2026	CD
7	REMOVAL OF CROSS CULVERT NEAR STA 0+140	8/28/2026	CD

LICENSED PROFESSIONAL ENGINEER
26/09/10
C. E. DIXON
100135629
PROVINCE OF ONTARIO

BENCHMARK INFORMATION:

PROVIDED BENCHMARKS REFERENCE GEOID MODEL HT2-2010

BM 1: SPIKE WITH MULTIPLE WASHERS IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA 0+165
ELEVATION: 484.684

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ELEVATION: 485.353

TEMPORARY BM A: PIN ON DITCH SLOPING, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA.0+205.00
ELEVATION: 485.147

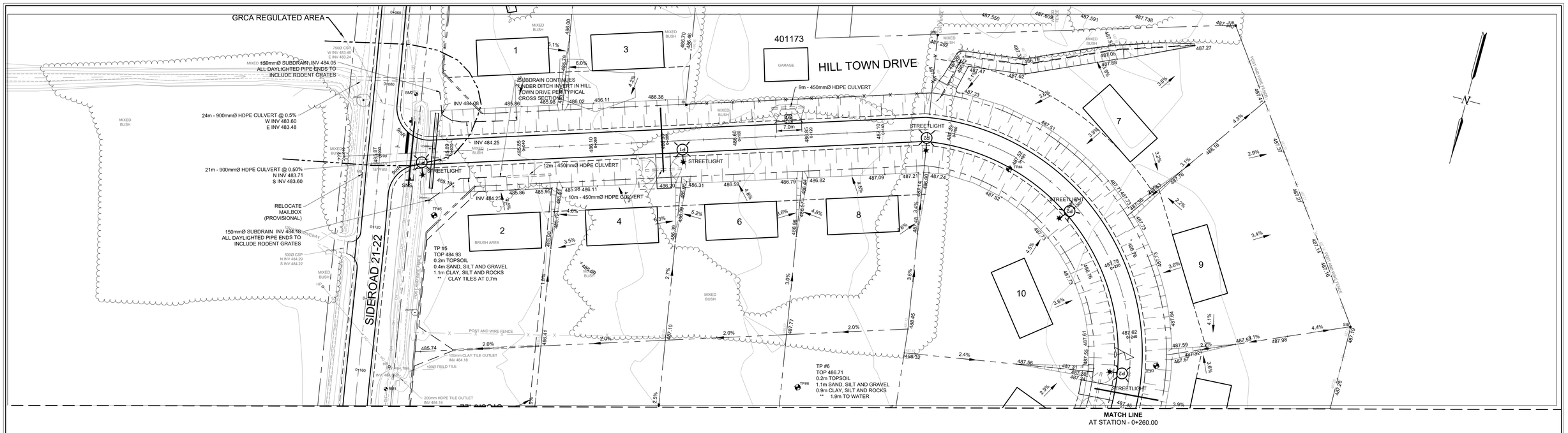
BURNSIDE
R.J. Burnside & Associates Limited
15 Townline
Orangeville, Ontario, L9W 3R4
telephone 1-800-265-9662
web www.rjburnside.com

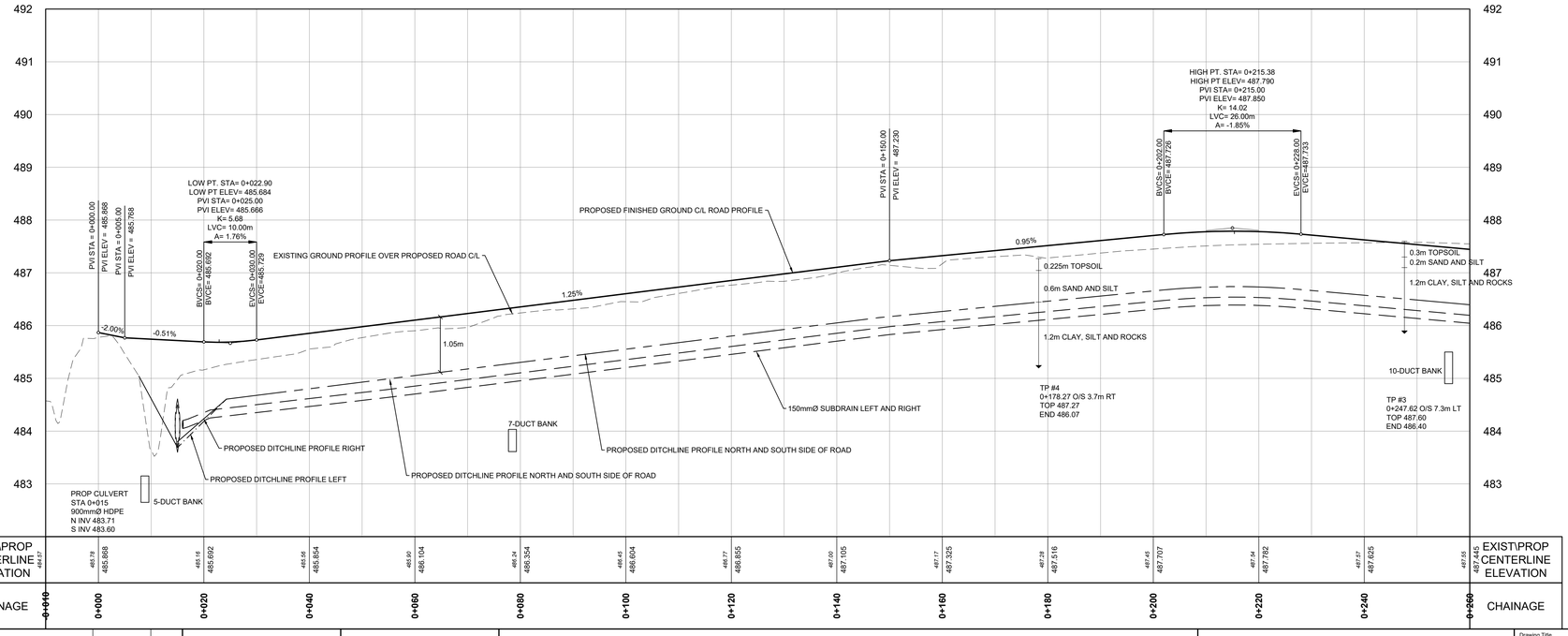
Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

Drawing Title
MONTICELLO SUBDIVISION
GRADING PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	24/06/19	006
Project No. 300053601		Contract No.		Revision No. 7	
Scale 1:500		0 5.0 10.0 20.0 30.0m			

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FOR CONSTRUCTION

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0	ISSUED FOR 60% CLIENT REVIEW	24/09/12	GC
1	ISSUED FOR APPROVAL	24/12/18	RS
2	ISSUED FOR GRCA PERMIT	25/03/21	CD
3	RE-ISSUED FOR APPROVAL	25/06/06	CD
4	ISSUED FOR TENDER	26/02/10	CD
5	ISSUED FOR CONSTRUCTION	26/04/27	CD
6	REMOVAL OF CROSS CULVERT NEAR STA 0+140	8/28/2026	CD

LICENSED PROFESSIONAL ENGINEER
26/09/10
C. E. DIXON
100135629
PROVINCE OF ONTARIO

BENCHMARK INFORMATION:

PROVIDED BENCHMARKS REFERENCE GEOID MODEL HT2-2010

BM 1: SPIKE WITH MULTIPLE WASHERS IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 22, AT APPROX. STA 0+165
ELEVATION: 484.684

BM 2: SPIKE IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA. 0+082.
ELEVATION: 485.353

TEMPORARY BM A: PIN ON DITCH SLOPING, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA.0+205.00
ELEVATION: 485.147

BURNSIDE

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Orangeville, Ontario, L9W 3R4
telephone 1-800-265-9662
web www.rjburnside.com

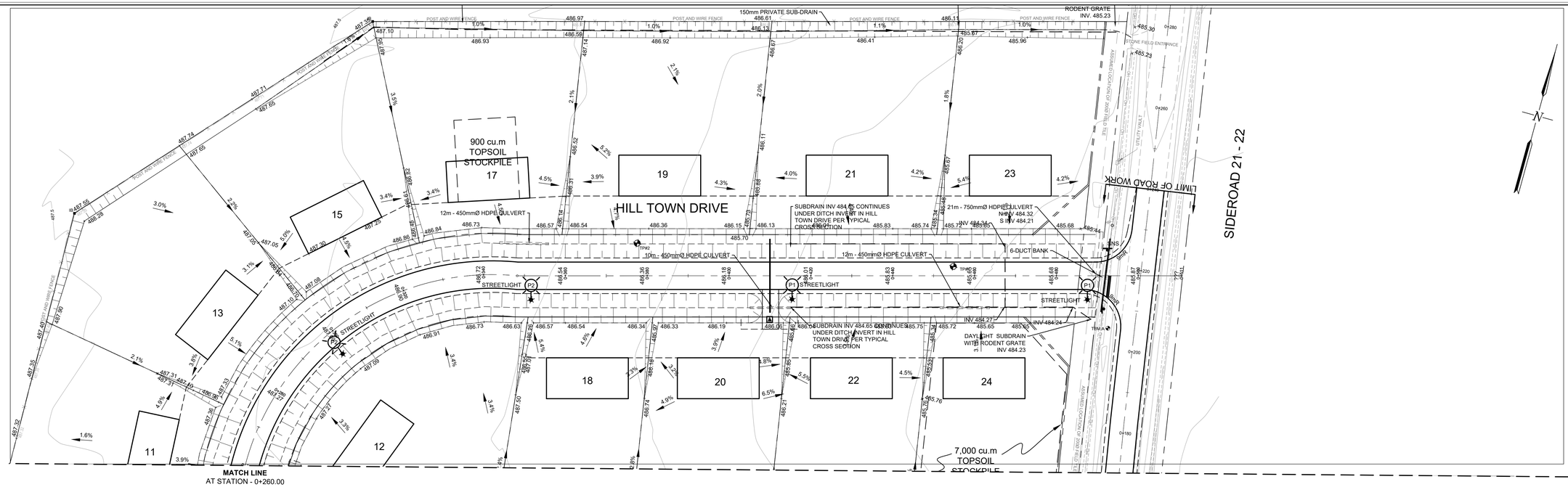
Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

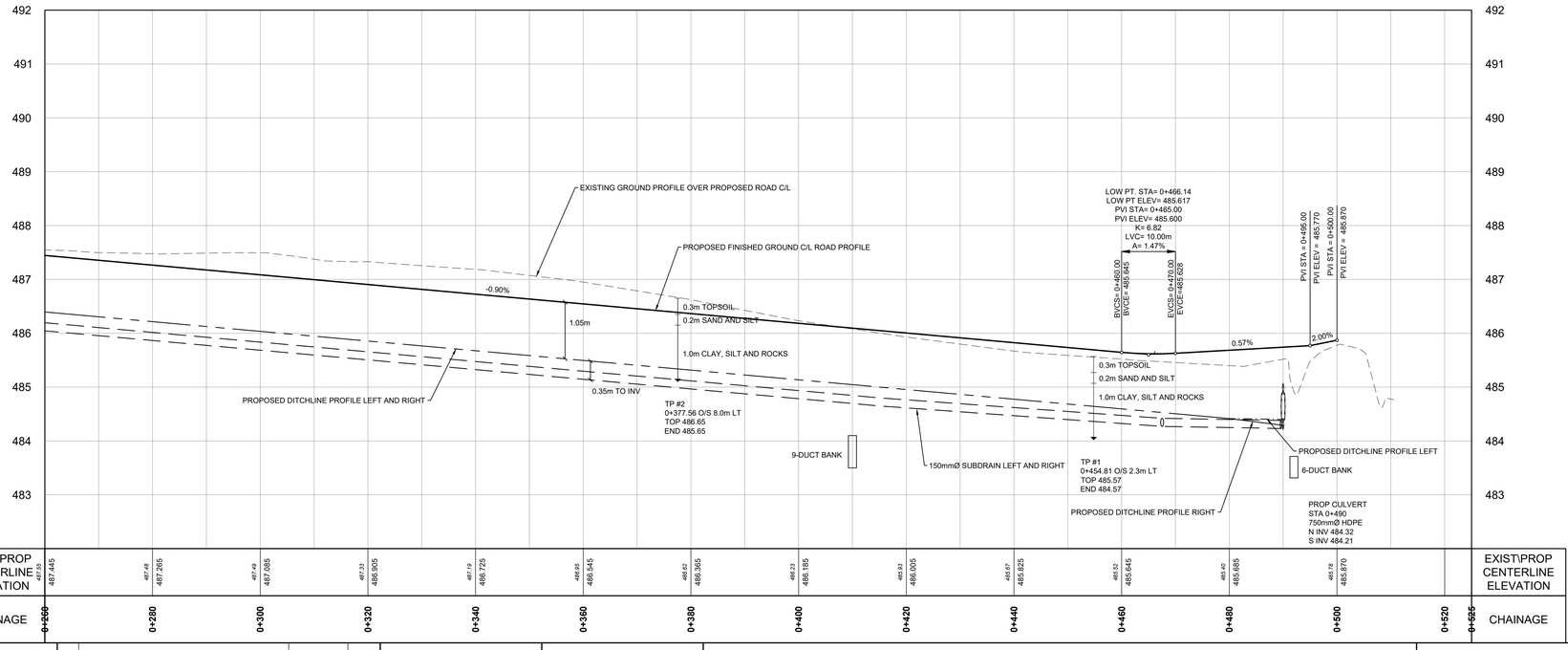
Drawing Title
MONTICELLO SUBDIVISION
PLAN AND PROFILE
HILL TOWN DRIVE
0+000 to 0+260

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	24/07/19	007
Project No.		Contract No.		Revision No.	
300053601				6	

Scale H 1:500 V 1:50 (0 5.0 10.0 20.0 30.0m)

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0	ISSUED FOR 60% CLIENT REVIEW	24/09/12	GC
1	ISSUED FOR APPROVAL	24/12/18	RS
2	ISSUED FOR GRCA PERMIT	25/03/21	CD
3	ISSUED FOR TENDER	26/02/10	CD
4	ISSUED FOR CONSTRUCTION	26/04/27	CD

LICENSED PROFESSIONAL ENGINEER 26/09/10 C. E. DIXON 100135629 PROVINCE OF ONTARIO

BENCHMARK INFORMATION:

PROVIDED BENCHMARKS REFERENCE GEOID MODEL HT2-2010

BM 1: SPIKE WITH MULTIPLE WASHERS IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 22, AT APPROX. STA 0+165
ELEVATION: 484.684

BM 2: SPIKE IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA. 0+082.
ELEVATION: 485.353

TEMPORARY BM A: PIN ON DITCH SLOPING, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA.0+205.00
ELEVATION: 485.147

BURNSIDE
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web www.rjburnside.com

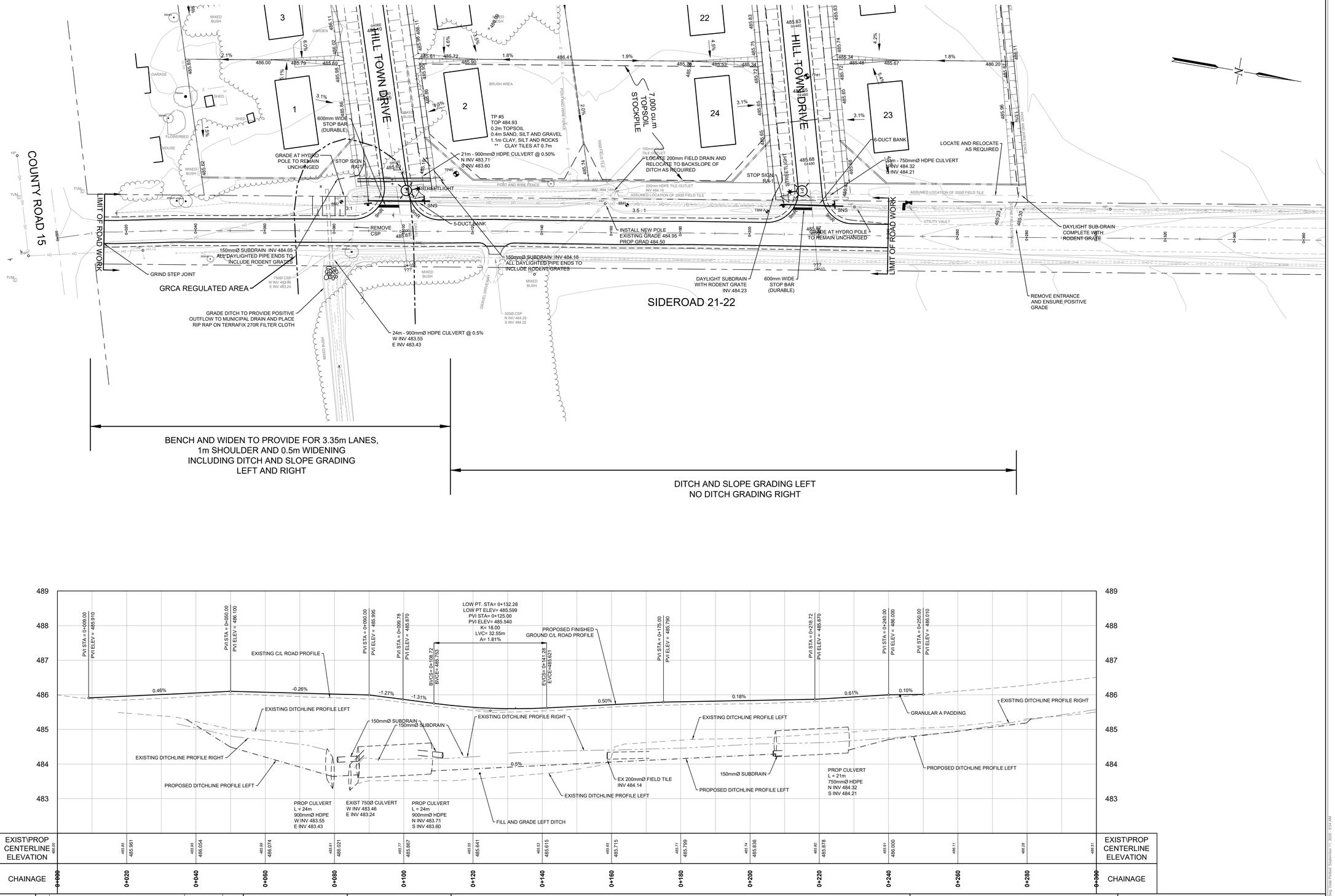
Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

Drawing Title
MONTICELLO SUBDIVISION
PLAN AND PROFILE
HILL TOWN DRIVE
0+260 to 0+510.57

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	24/07/19	008
Project No.		Contract No.		Revision No.	
300053601				4	

Scale H 1:500 V 1:50 (0 5.0 10.0 20.0 30.0m)

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0	ISSUED FOR 60% CLIENT REVIEW	24/09/12	GC
1	ISSUED FOR APPROVAL	24/12/18	RS
2	ISSUED FOR GRCA PERMIT	25/03/21	CD
3	ISSUED FOR TENDER	26/02/10	CD
4	ISSUED FOR CONSTRUCTION	26/04/27	CD

LICENSED PROFESSIONAL ENGINEER 26/09/10 C. E. DIXON 100135629 PROVINCE OF ONTARIO

BENCHMARK INFORMATION:

PROVIDED BENCHMARKS REFERENCE GEOID MODEL HT2-2010

BM 1: SPIKE WITH MULTIPLE WASHERS IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 22, AT APPROX. STA 0+165
ELEVATION: 484.684

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ELEVATION: 485.353

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ELEVATION: 485.147

BURNSIDE

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telephone 1-800-265-9662
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Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

Drawing Title
MONTICELLO SUBDIVISION

PLAN AND PROFILE
SIDEROAD 21-22
0+000 to 0+300

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	24/07/25	009
Project No. 300053601		Contract No.		Revision No. 4	
Scale H 1:500 V 1:50		0 5.0 10.0 20.0 30.0m			

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SUBDRAIN INV 486.85
SUBDRAIN INV 485.39
150mm PRIVATE SUB-DRAIN
DAYLIGHT SUB-DRAIN COMPLETE WITH RODENT GRATE
POST AND WIRE FENCE
FIELD ENTRANCE
LIGHT DUTY SILT FENCE OPSD 219.110
STARTING POINT (SILT FENCE WITH STRAW BALES)
CONSTRUCTION STAGING AREA
ASSUMED LOCATION OF 200mm TILE
UTILITY MAST
LIMIT OF ROAD WORK
SIDEROAD 21 - 22
900 cu.m TOPSOIL STOCKPILE
17
19
21
23
15
HILL TOWN DRIVE
12m - 450mmØ HDPE CULVERT
21m - 750mmØ HDPE CULVERT
N INV 484.32
S INV 484.21
TP#2
10m - 450mmØ HDPE CULVERT
12m - 450mmØ HDPE CULVERT
TP#7
DITCH
13
INSTALL FIBRE ROLL CHECK DAM AFTER DITCH TOPSOIL SEEDING
INSTALL FIBRE ROLL CHECK DAM AFTER DITCH TOPSOIL SEEDING
INSTALL FIBRE ROLL CHECK DAM AFTER DITCH TOPSOIL SEEDING
18
20
22
24
11
12
INSTALL FIBRE ROLL CHECK DAM AFTER DITCH TOPSOIL SEEDING
10m - 450mmØ HDPE CULVERT
TP#3
TP#6
TEMPORARY 24m - 450mmØ HDPE CULVERT
W INV 485.20
E INV 484.90
SILT FENCE WITH STRAW BALES
7,000 cu.m TOPSOIL STOCKPILE
200mm HDPE TILE OUTLET INV 484.14
100mm CLAY TILE OUTLET INV 484.15
FIELD TILE
POST AND WIRE FENCE
REMOVE POST AND WIRE FENCE
INSTALL FIBRE ROLL CHECK DAM AFTER DITCH TOPSOIL SEEDING
MIXED BUSH
ROCK CHECK DAM
BRUSH AREA
2
500Ø CSP
N INV 484.29
S INV 484.22
GRAVEL DRIVEWAY
9
10
8
6
4
INSTALL FIBRE ROLL CHECK DAM AFTER DITCH TOPSOIL SEEDING
10m - 450mmØ HDPE CULVERT
12m - 450mmØ HDPE CULVERT
TP#4
ENDING POINT (SILT FENCE WITH STRAW BALES)
MUD MAT AS PER DETAILS
21m - 900mmØ HDPE CULVERT @ 0.50%
N INV 483.71
S INV 483.60
GRCA REGULATED AREA
7
INSTALL FIBRE ROLL CHECK DAM AFTER DITCH TOPSOIL SEEDING
19m - 500mmØ HDPE CULVERT
S INV: 486.21
N INV: 486.00
GARAGE
401173
24m - 900mmØ HDPE CULVERT @ 0.5%
W INV 483.60
E INV 483.48
"B" DRAIN
GARDEN
ROCK CHECK DAM
3
1
LIMIT OF CLEARING AND GRUBBING
1750Ø CSP
W INV 483.46
E INV 483.24
FIBRE ROLL CHECK DAM
WOOD FENCE
SHED
FLOWERBED
CLEAR AND GRUB WITHIN 3m OF PROPERTY LINE
HOUSE
LIGHT DUTY SILT FENCE OPSD 219.110
FENCE
DITCH
N

Notes

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FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
0	ISSUED FOR 60% CLIENT REVIEW	24/09/12	GC
1	ISSUED FOR APPROVAL	24/12/18	RS
2	ISSUED FOR GRCA PERMIT	25/03/21	CD
3	ISSUED FOR TENDER	26/02/10	CD
4	ISSUED FOR CONSTRUCTION	26/04/27	CD

LICENSED PROFESSIONAL ENGINEER 26/09/10 C. E. DIXON 100135629 PROVINCE OF ONTARIO

BENCHMARK INFORMATION:

PROVIDED BENCHMARKS REFERENCE GEOID MODEL HT2-2010

BM 1: SPIKE WITH MULTIPLE WASHERS IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 22, AT APPROX. STA 0+165
ELEVATION: 484.684

BM 2: SPIKE IN SIDE OF HYDRO POLE, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA. 0+082.
ELEVATION: 485.353

TEMPORARY BM A: PIN ON DITCH SLOPING, WEST SIDE OF SIDEROAD 21 & 22, AT APPROX. STA.0+205.00 .
ELEVATION: 485.147

BURNSIDE

R.J. Burnside & Associates Limited
15 Townline
Orangeville, Ontario, L9W 3R4
telephone 1-800-265-9662
web www.rjburnside.com

Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

Drawing Title
MONTICELLO SUBDIVISION

SEDIMENT AND EROSION CONTROL PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	24/07/24	010
Project No.		Contract No.		Revision No.	
300053601				4	
Scale	0 5.0 10.0 20.0 30.0m				
1:500					

file: V:\300536\01\DOCS\PRODUCTION\SEDIMENT AND EROSION CONTROL PLAN.dwg Date Printed: September 11 2025 - 8:39 AM

EROSION AND SEDIMENTATION STANDARD NOTES:

1. EROSION AND SEDIMENT CONTROL (ESC) MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. ESC MEASURES ARE TO BE INSPECTED DAILY BY THE CONTRACTOR AND ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.

2. CONTRACTOR SHALL ENSURE DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.

3. CONTRACTOR SHALL ENSURE ALL DRAINAGE DITCH WORKS WILL BE CONDUCTED IN THE DRY WITH APPROPRIATE ECS MEASURES.

4. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREAS. ANY DEVIATION FROM APPROVED PLANS MUST BE DESIGNED BY A QUALIFIED PROFESSIONAL. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, INCLUDING SEDIMENT, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.

5. AN ENVIRONMENTAL MONITOR WILL ATTEND THE SITE TO INSPECT ALL NEW CONTROLS, AS WELL AS ON A REGULAR BASIS, OR FOLLOWING RAIN/SNOWMELT EVENT, TO MONITOR ALL WORKS, AND IN PARTICULAR WORKS RELATED TO EROSION AND SEDIMENT CONTROLS, DEWATERING OR UNWATERING, RESTORATION AND IN OR NEAR WATER WORKS. SHOULD CONCERNS ARISE ON SITE THE ENVIRONMENTAL MONITOR WILL CONTACT THE GRCA AS WELL AS THE PROPONENT.

6. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, SHALL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE SHALL BE CONDUCTED A MINIMUM OF 30 METRES FROM THE WATER.

7. THE CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS. SHOULD AN UNEXPECTED STORM ARISE, THE CONTRACTOR SHALL REMOVE ALL UNFIXED ITEMS FROM THE REGIONAL STORM FLOOD PLAIN THAT WOULD HAVE THE POTENTIAL TO CAUSE A SPILL OR AN OBSTRUCTION TO FLOW, E.G. FUEL TANKS, PORTAPOTTIES, MACHINERY, EQUIPMENT, CONSTRUCTION MATERIALS, ETC.

8. IF REQUIRED ALL DEWATERING/UNWATERING SHALL BE TREATED BY USE OF A FILTERED SUMP, SOCK OR SOAK PIT AND RELEASED TO THE ENVIRONMENT AT LEAST 30 METRES FROM A WATERCOURSE OR WETLAND AND ALLOWED TO DRAIN THROUGH A WELL-VEGETATED AREA. NO DEWATERING EFFLUENT SHALL BE SENT DIRECTLY TO ANY WATERCOURSE, WETLAND OR FOREST, OR ALLOWED TO DRAIN ONTO DISTURBED SOILS WITHIN THE WORK AREA. THESE CONTROL MEASURES SHALL BE MONITORED FOR EFFECTIVENESS AND MAINTAINED OR REVISED TO MEET THE OBJECTIVE OF PREVENTING THE RELEASE OF SEDIMENT LADEN WATER.

9. THE CONTRACTOR SHALL CONTINUALLY MONITOR PUMP OUTLET AREA AND STABILIZE IF REQUIRED.

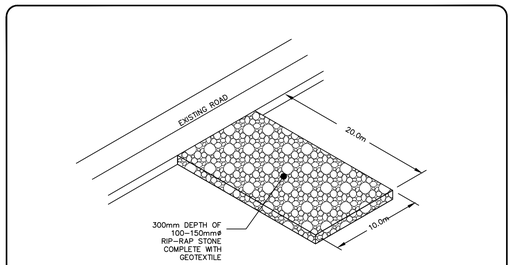
10. ALL TEMPORARY EROSION & SEDIMENTATION CONTROLS SHALL REMAIN IN PLACE UNTIL SUCH TIME AS RE-VEGETATIVE MEASURES HAVE GERMINATED AND TAKEN HOLD.

11. IF REQUIRED ANY COFFERDAMS SHALL BE CONSTRUCTED OF CLEAN, NON-ERODIBLE MATERIALS SUCH AS, BUT NOT LIMITED TO; PEA GRAVEL BAGS, CLEAN GRAVEL AND PLASTIC SHEETING, PRECAST BARRIERS AND PLASTIC SHEETING, SHEET STEEL PILING, OR OTHER CLEAN MATERIAL APPROVED BY THE GRCA.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ANY CULVERT, PUMPS, CHANNELS OR ANY OTHER TEMPORARY MEASURES REQUIRED TO CONTROL THE FLOW. THE CONTRACTOR SHALL ASSESS THE RISK OF FLOODS, STORMS AND EVENTS THAT MAY AFFECT CONSTRUCTION AND DETERMINE THEIR OWN LEVEL OF RISK ASSOCIATED WITH ANY TEMPORARY WORK.

13. FIBRE ROLL FLOW CHECKS AND TEMPORARY ROCK FLOW CHECKS, AS SPECIFIED, SHALL BE PLACED WHERE SUITABLE OR AS DIRECTED BY THE ENGINEER.

14. PROBABLE SILT FENCE BARRIER LOCATIONS ARE SHOWN. PROVIDE SILT FENCE BARRIERS WHERE REQUIRED AND AS MAY BE DIRECTED BY THE ENGINEER OR CONTRACT ADMINISTRATOR. ONLY NON-WOVEN GEOTEXTILE WILL BE PERMITTED FOR SILT FENCE APPLICATION.



MUD MAT - CONSTRUCTION ACCESS
SCALE: N.T.S.

SEQUENCING FOR EROSION AND SEDIMENT CONTROL

STAGE 1 - BEFORE TOPSOIL STRIPPING

1. INSTALL FIBRE ROLL CHECK DAMS IN 'B' DRAIN AND SIDEROAD 21-22
2. INSTALL SOUTHERN CULVERT FOR CONSTRUCTION ENTRANCE WITH MUDD MATT
3. INSTALL SILT FENCE AND SILT FENCE/STRAW BALE PERMITTER FENCING
4. CONDUCT NECESSARY CLEARING AND GRUBBING OPERATIONS
5. INSTALL ROCK CHECK DA,S AS PER ESC PLANS

STAGE 2 - EARTHWORKS AND ROAD CONSTRUCTION

1. AS SOON AS DITCH IS FORMED, INSTALL TEMPORARY FIBRE ROLL CHECK DAMS
2. AS SOON AS TEMPORARY CULVERT AT STOCKPILE LOCATION IS INSTALLED, INSTALL ADDITIONAL SILT FENCE.

STAGE 3 - SIDEROAD 21/22

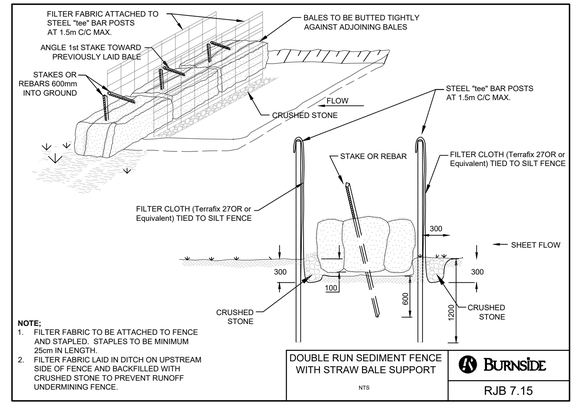
1. REMOVE TEMPORARY FIBRE ROLL CHECK DAMS TO FACILITATE RE-DTICHING WHERE REQUIRED IN SIDEROAD 21-22
2. AS SOON AS DITCHING IS COMPLETE, INSTALL TEMPORARY FIBRE ROLL CHECK DAMS

STAGE 4 - AFTER BASE COURSE ASPHALT

1. APPLY 150mm TOPSOIL WITHIN SUBJECT LANDS, HYDROSEED.
2. APPLY 150mm TOPSOIL WITHIN SIDERAOD 21-22 BOULEVARD AND HYDROSEED.
3. INSTALL TEMPORARY FIBRE ROLL CHECK DAMS WHICH SHALL BE MAINTAINED UNTIL THE LAND IS STABLIZED

STAGE 5 - AFTER STABILIZATION

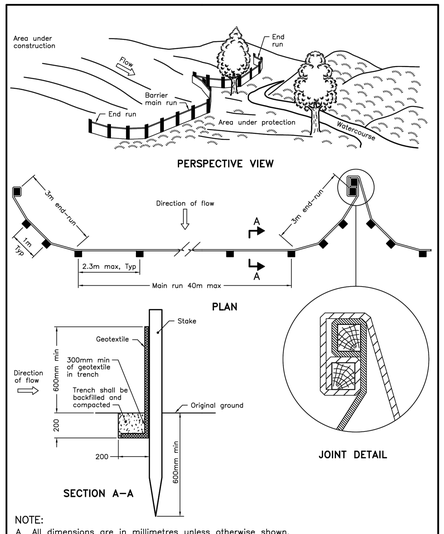
1. ONCE VEGETATION HAS TAKEN HOLD, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
2. THE SILT FENCE/STRAW BALES DOWNSTREAM OF TOPSOIL PILE IS EXPECTED TO REMAIIN UNTIL LOTS ARE DEVELOPED.



NOTE:
1. FILTER FABRIC TO BE ATTACHED TO FENCE AND STAPLED. STAPLES TO BE MINIMUM 25cm IN LENGTH
2. FILTER FABRIC LAID IN DITCH ON UPSTREAM SIDE OF FENCE AND BACKFILLED WITH CRUSHED STONE TO PREVENT RUNOFF UNDERMINING FENCE.

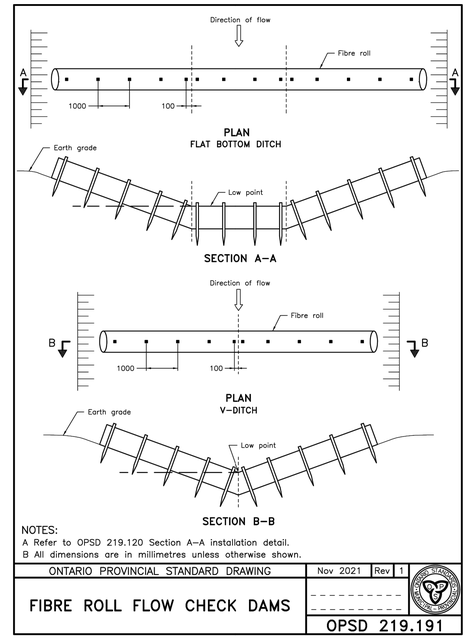
DOUBLE RUN SEDIMENT FENCE WITH STRAW BALE SUPPORT
NTS

BURNSIDE
RJB 7.15



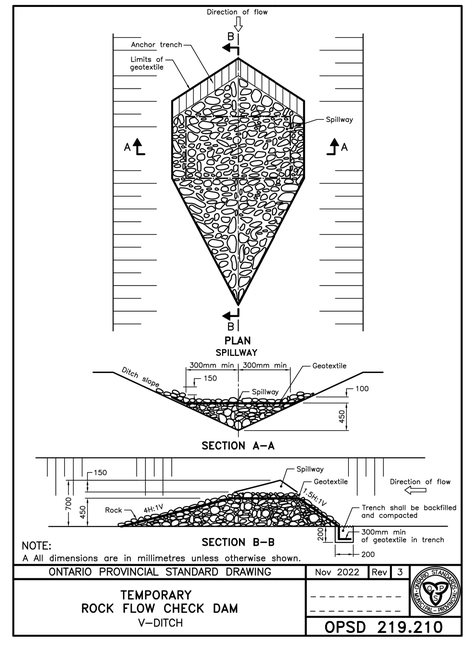
NOTE:
A All dimensions are in millimetres unless otherwise shown.

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



NOTES:
A Refer to OPSD 219.120 Section A–A installation detail.
B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev 1
FIBRE ROLL FLOW CHECK DAMS		OPSD 219.191



NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2022	Rev 3
TEMPORARY ROCK FLOW CHECK DAM V–DITCH		OPSD 219.210

Notes
1. This drawing is the exclusive property of R. J. Burnside & Associates Limited. The reproduction of any part without prior written consent of this office is strictly prohibited.
2. The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.
3. This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.

FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
0	ISSUED FOR 60% CLIENT REVIEW	24/09/12	GC
1	ISSUED FOR APPROVAL	24/12/18	RS
2	RE-ISSUED FOR APPROVAL	25/06/06	CD
3	ISSUED FOR TENDER	26/02/10	CD
4	ISSUED FOR CONSTRUCTION	26/04/27	CD

LICENSED PROFESSIONAL ENGINEER
26/09/10
C. E. DIXON
100135629
PROVINCE OF ONTARIO

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Orangeville, Ontario, L9W 3R4
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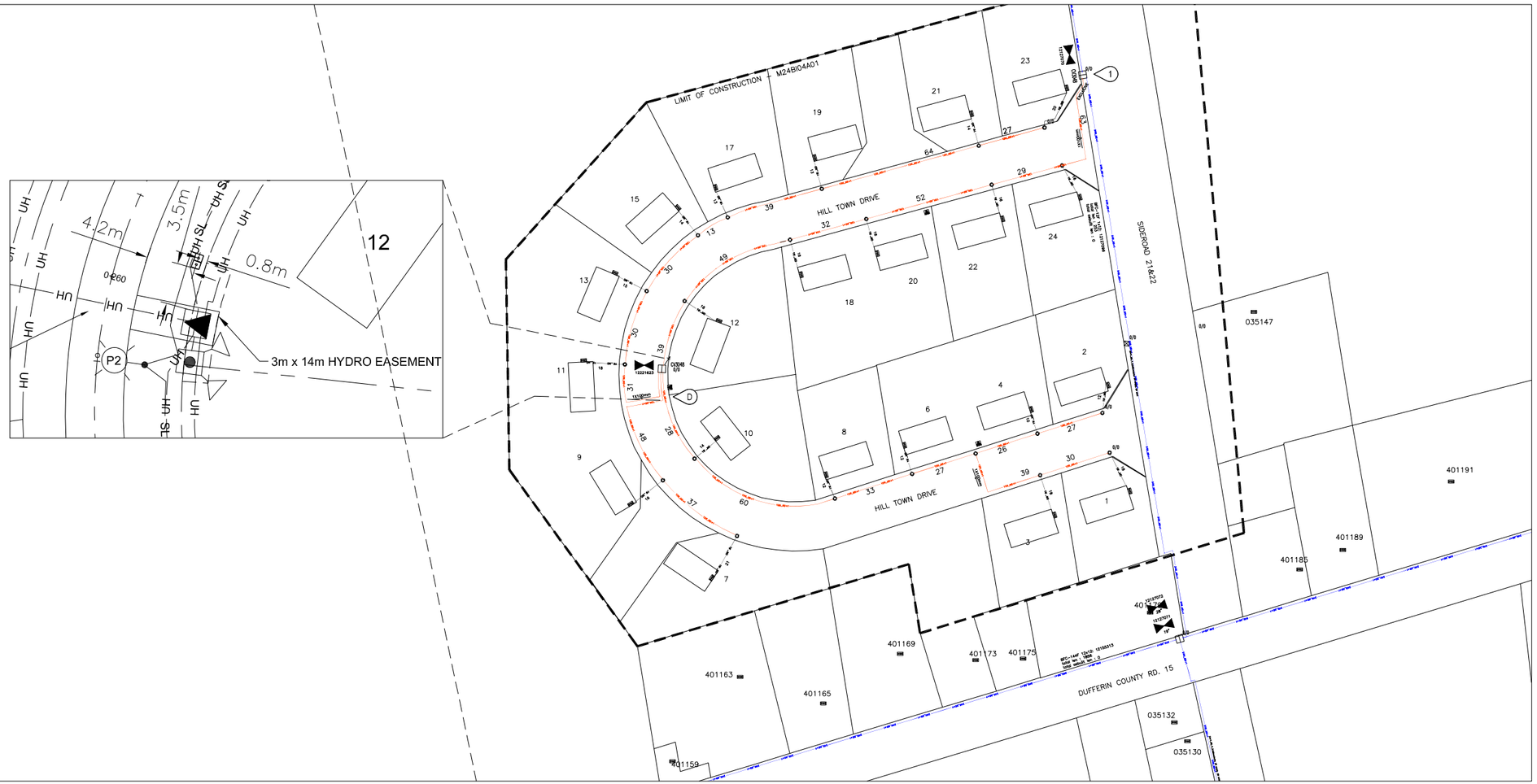
Client
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

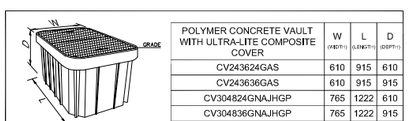
Drawing Title
MONTICELLO SUBDIVISION
SEDIMENT AND EROSION CONTROL
GENERAL NOTES AND DETAILS

Drawn	Checked	Designed	Checked	Date	Drawing No.
CADD	GC	GC	GC	24/07/24	011
Project No. 300053601		Contract No.		Revision No. 4	
Scale AS NOTED					

File: C:\Projects\300053601\Drawings\Sediment Plan\Sheets\Plan Sheets.dwg, Layout: Standard, Apr 27, 2026 - 12:21 PM

PLAN VIEW





POLYMER CONCRETE VAULT WITH ULTRA-LITE COMPOSITE COVER	W (WIDTH)	L (LENGTH)	D (DEPTH)
CV243624GAS	610	915	610
CV243636GAS	610	915	915
CV304824GNAJHGP	765	1222	610
CV304836GNAJHGP	765	1222	915
CV366024GNAJHGP	915	1525	610
CV366036GNAJHGP	915	1525	915

CONSTRUCTION NOTES

1. CONNECT PROP. 12+1 MULTI-DUCT INTO EXIST. VAULT.
D. INSTALL NEW CV304836 VAULT WITH FDH LOCATION.

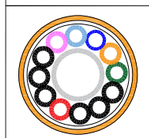
LEGEND

SYMBOL	DESCRIPTION
FDH	FIBER CUSTOMER SERVICE ENCLOSRE
	LATERAL BREAKOUT POINTS (WINDOW CUTS)
XXXXXXX	FIBRE DISTRIBUTION HUB (FDH)
	XGS-PON OLT SITE (Ethernet Passive Optical Network, Optical Line Terminal)
24 WAY DUCT+1	24x7/3.5mm + 14/10mm
12 WAY DUCT+1	12x7/3.5mm + 14/10mm
4 WAY DUCT	4x7/3.5mm
SINGLE DUCT	7/3.5mm
12 ABF	12 BLOWN FIBRE CABLE
SJN	STREET LIGHT POLE (SMALL CELL)
POWER CONDUIT	4"(100mm) CONDUIT FOR SMALL CELL POWER

MULTI-DUCT WINDOW-CUT DETAILS

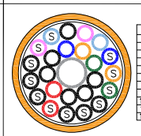
MICRO DUCT BUNDLE CONFIGURATION

12 +1 WAY



1	BLUE		
2	ORANGE		
3	GREEN		
4	BROWN		
5	SLATE		
6	WHITE		
7	RED		
8	BLACK		
9	YELLOW		
10	VIOLET		
11	PINK		
12	AQUA		

24 +1 WAY



1	BLUE	13	BLUE_S
2	ORANGE	14	ORANGE_S
3	GREEN	15	GREEN_S
4	BROWN	16	BROWN_S
5	SLATE	17	SLATE_S
6	WHITE	18	WHITE_S
7	RED	19	RED_S
8	BLACK	20	BLACK_S
9	YELLOW	21	YELLOW_S
10	VIOLET	22	VIOLET_S
11	PINK	23	PINK_S
12	AQUA	24	AQUA_S

POWERING

- PS RENS # — DRAW/MAX–DRAW IN AMPS
- STAND-BY POWER SUPPLY
- POWER INSERTER
- POWER BLOCK

OPTICAL NODE CONFIGURATION

NODE#	NODE MODEL	RSVR REGION
LP/RTN #	ACI XMTR-DFB	
PS RENS #	VOLTAGE	
SERVICE CABLE		

LASER PAIR DATA BLOCK

(T) TRUNK OR (D) DISTRIBUTION
CABLE GENERATION — P3 (1) (T) — NODE PORT CABLE TAG
RF PORT NUMBER

- RF PORT AVAILABILITY
- LASER PAIR (NODE)
- EXISTING LOOP BACK
- NEW LOOP BACK
- PROPOSED FIBRE SPLICE
- EXISTING FIBRE SPLICE
- FIBRE CABLE LOOP INDICATOR
- FIBRE CABLE DISTANCE INDICATOR

STRUCTURE

- JOINT USE POLE
- TELCO POLE
- HYDRO POLE
- CATV POLE
- MID-SPAN TAP
- BUILDING ATTACHMENT
- MOUNTING BRACKET
- DROP POLE
- TRANSFORMER ON POLE
- TRAFALGAR POLE
- NULL POLE
- PEDESTAL
- TRANSFORMER
- MANHOLE
- ROGERS MANHOLE
- VAULT
- FTG
- H. POLE H1234 ROGERS 12345678 — NEW UTILITY POLE
- PROPOSED ROGERS POLE
- POLE TO BE REMOVED
- 4/8 ACTUAL HOUSE COUNT/ POTENTIAL HOUSE COUNT
- CONDUIT TYPE
- UNDERGROUND TRENCHLINE
- OVERHEAD STRANDLINE
- H. POLE H1234 — EXISTING POLE
- GROUND ROD
- ANCHOR

G2 REF: R0_SYNE–085–1C

DWG 012

KEY MAP (N.T.S.)



GRAND VALLEY

MATERIAL LIST

STRUCTURE PLACEMENT	TOTAL
JOINT TRENCH	900m
EXCLUSIVE TRENCH	13m
ROAD CROSSING	3
100mm Ø PVC CONDUIT	80m
12 + 1 WAY MICRODUCT (7/3.5mm)	913m
1 WAY MICRODUCT (7/3.5mm)	320m
GLB3048 VAULT	1
12 BLOWN FIBRE CABLE	264m
2 BLOWN FIBRE CABLE	2640m
9.5"x17" PLP F.O.S.C.	1
1:32 SPLITTER	1
LATERAL BREAK POINT (WINDOW CUT)	22
EXTERNAL FCSE (2)	21
GROUND / BOND LOCATION	1

THE BUILDING OWNERS (OR AUTHORIZED REPRESENTATIVE), HEREBY APPROVE THE INSTALLATION OF CABLE T.V. AS PER THIS DRAWING.

NAME: DATE:

PRINT NAME:

TITLE: PHONE:

GENERAL NOTES

TAG ALL EXPOSED CABLE.

REPLACE ALL FIRE STOPS AND SEALS AS REQUIRED.

ROGERS FIBRE OPTIC CABLE TECHNICIANS MUST BE PRESENT TO SUPERVISE THE PULLING AND TERMINATING OF FIBRE OPTIC CABLE.

DO NOT CUT FIBRE OPTIC CABLE UNLESS SPECIFICALLY INDICATED.

ALL BURIED DROPS ARE RG6 DROP WIRE UNLESS OTHERWISE NOTED.

NO.	DATE	REVISION	BY
1	MAR 25, 2025	SHEET ESTABLISHED	D.B.
2	MAY 20, 2025	VAULT RELOCATION	D.B.

ROGERS

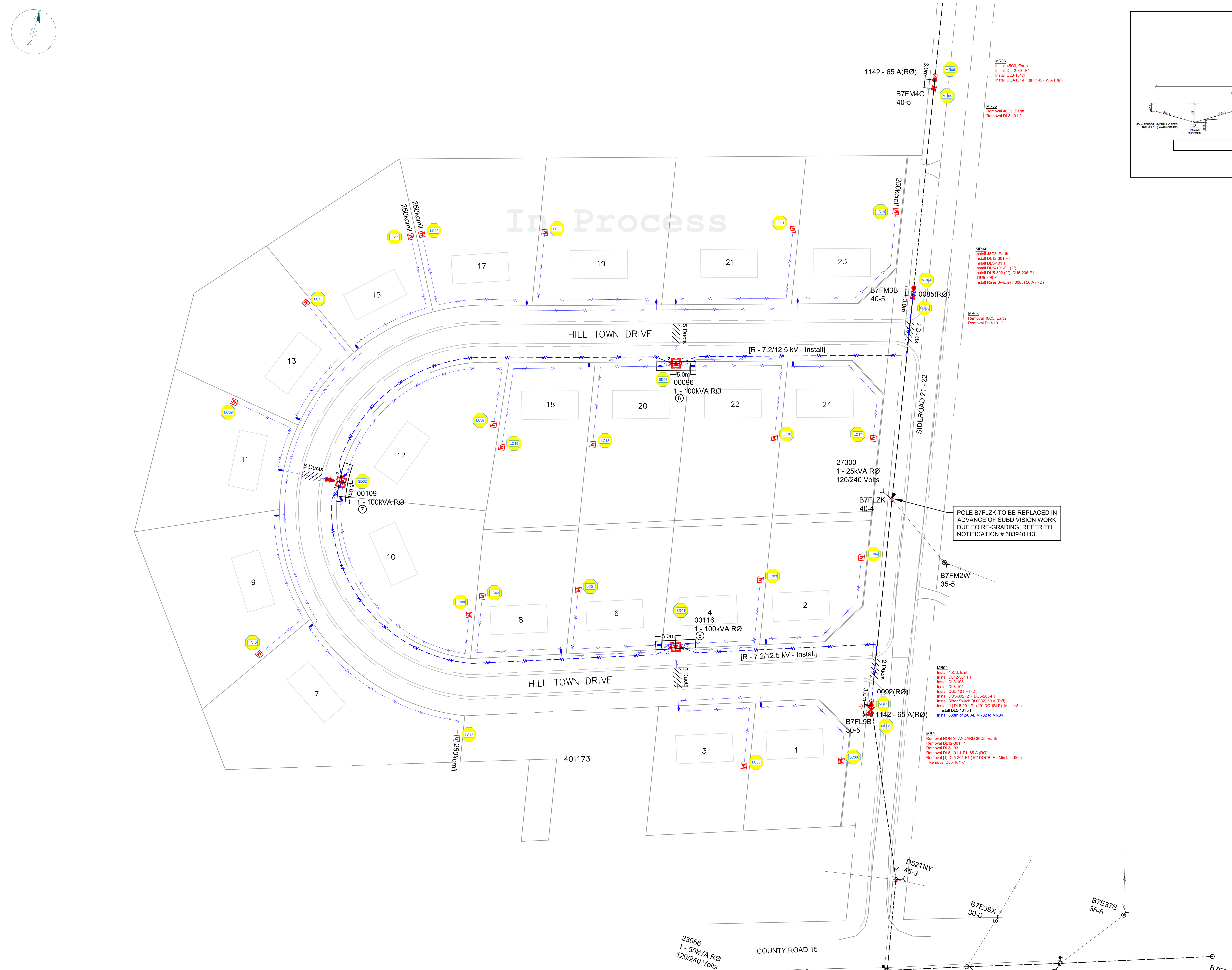
ROGERS TECHNICAL CONTACT
HILVAR CASTELLANOS
(416) 637-4191
E-MAIL: Hilvar.Castellanos@rci.rogers.com

TOWN OF GRAND VALLEY

DESCRIPTION:
CONDUIT DESIGN DRAWING
GRAND VALLEY MONTICELLO SUBDIVISION

PLOT DATE: MARCH 25, 2025	PROJECT #: M24BI04A01
SCALE: 1:1000 (11x17)/1:500 (24x36)	DRAWING #: M24BI04A01–1C
DESIGNED BY: G2 CONSULTING – D.B.	GRID MAP #:
APPROVED BY:	DESIGN PROFILE: FTTH–XGSPON
CS# / LP# (FTF) –	SMT # –
RTN SEGMENT #/SERVICE AREA # (FTTC)	POWER SUPPLY # –
ROGERS POLE PERMIT ID NO. – / –	ROGERS 3RD PARTY PERMIT ID NO. – / –
ROGERS REGIONAL PERMIT ID NO. – / –	ROGERS MTO PERMIT ID NO. – / –
ROGERS MUNICIPAL PERMIT ID NO. – / –	ROGERS RAIL PERMIT ID NO. – / –
ISSUE # : 1	SHEET # 1 OF 1

Docusign Envelope ID: 65BBBF99-34CB-4247-A347-7DA73887DDC4

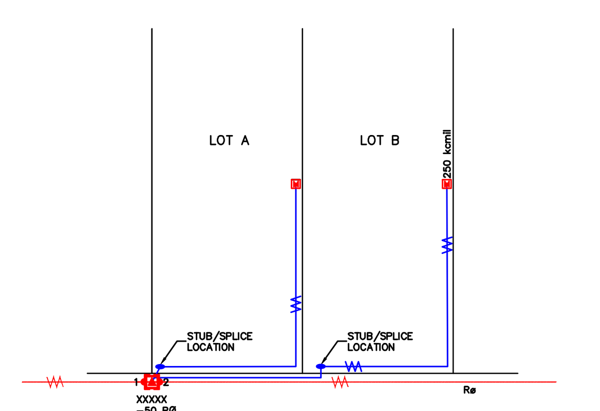


14.0 m X 3.0 m EASEMENT REQUIRED FOR TRANSFORMERS & DUCTS

FINAL APPROVAL

DEVELOPER | DATE

CONSTRUCTION NOT YET AUTHORIZED

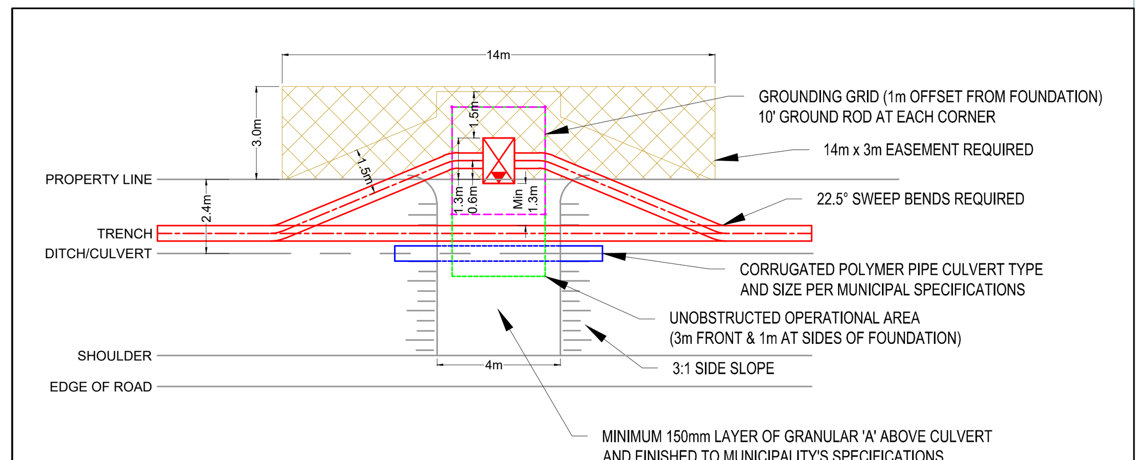


TYPICAL ESTATE LOT SECONDARY SERVICE LAYOUT

- METERS ARE TO BE INSTALLED ON DRIVEWAY SIDE OF BUILDING
- SECONDARY DESIGN LENGTHS ARE TO FURTHEST FORESEEABLE METER LOCATION
- STUB/SPLICE LOCATION AT NEAREST LOT LINE TO TRANSFORMER

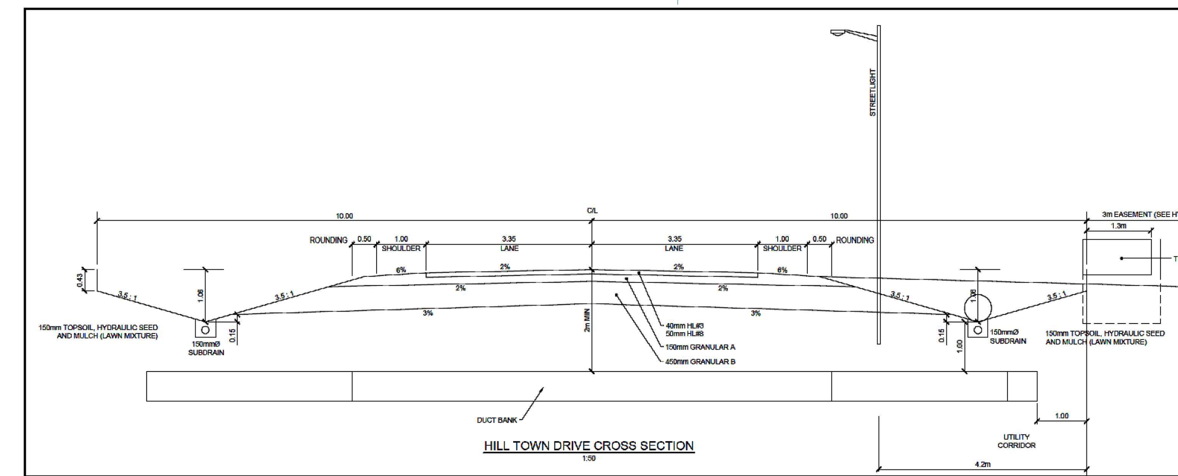
LOT	DISTANCE	LOT	DISTANCE
1	45m	13	55m
2	61m	15	74m
3	61m	17	71m
4	90m	18	62m
6	89m	19	67m
7	69m	20	89m
8	52m	21	73m
9	59m	22	89m
10	89m	23	81m
11	73m	24	51m
12	92m		

MAXIMUM SECONDARY LENGTH FROM STUB/STAKE LOCATION TO METER BASE



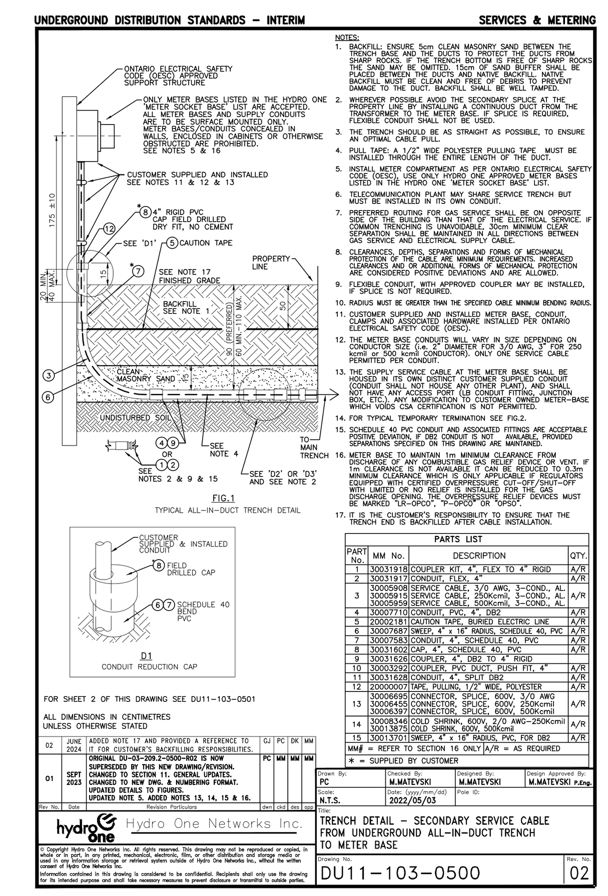
TRANSFORMER ACCESS & EASEMENT REQUIREMENTS

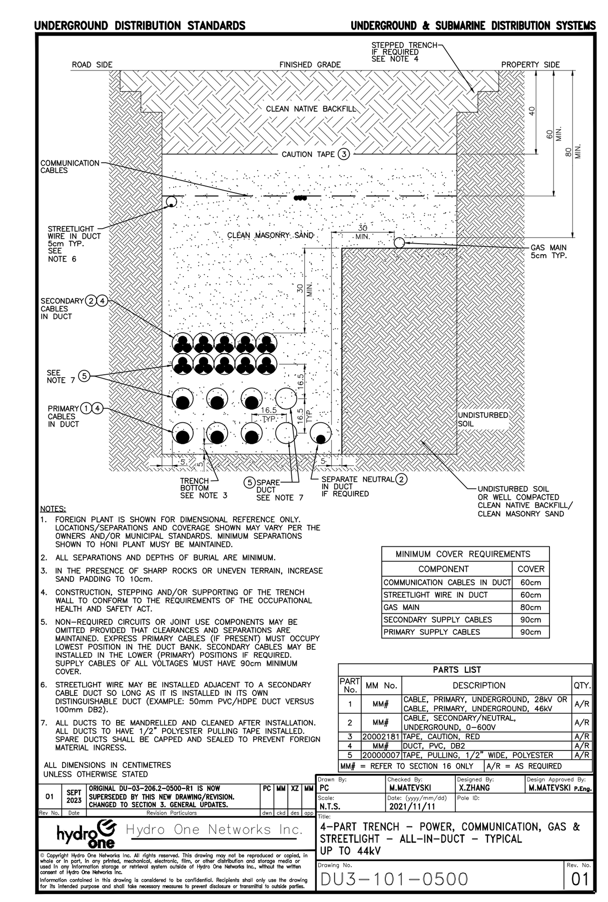
N.T.S.

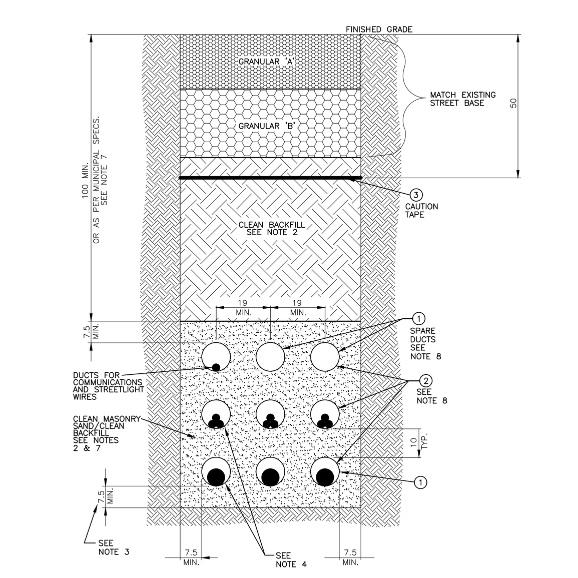


HILL TOWN DRIVE CROSS SECTION

1:50







STANDARD STREET CROSSING
REFER TO DU3-111 FOR FULL DETAIL

LINETYPES

OVERHEAD – 1PH	UNDERGROUND – 1PH
OVERHEAD – 2PH	UNDERGROUND – 2PH
OVERHEAD – 3PH	UNDERGROUND – 3PH
OVERHEAD – Sec.	UNDERGROUND – Sec.
OVERHEAD – Priv. 1PH	UNDERGROUND – Priv. 1PH
OVERHEAD – Priv. 2PH	UNDERGROUND – Priv. 2PH
OVERHEAD – Priv. 3PH	UNDERGROUND – Priv. 3PH
SUBMARINE – 1PH	UNDERGROUND – Priv. Sec.
SUBMARINE – 2PH	
SUBMARINE – 3PH	

SYMBOLS

- PROPOSED POLE – Wood, Composite, Steel, Joint Use/Customer
- EXISTING POLE – Wood, Composite, Steel, Joint Use/Customer
- O/H – U/G TRANSITION (DIP/RISER) – Primary, Secondary
- ANCHORS/DOWN GUY – Hydro, Private/Joint Use, Push Pole
- OVERHEAD SWITCH – Fused, Solid, Line Opener
- OVERHEAD SWITCH – OCR, Electronic OCR, PT
- WORK LOCATION
- UNDERGROUND VAULT – 1PH, 3PH
- CAPACITOR – 1PH, 3PH
- OVERHEAD REGULATOR – 1PH, 3PH
- OVERHEAD TRANSFORMER – 1PH, 3PH
- OVERHEAD STEP TRANSFORMER – 1PH, 3PH
- UNDERGROUND STEP TRANSFORMER – 1PH, 3PH
- UG TRANSFORMER – 1PH (with elbow positions), 1PH PVT, Transclosure
- UG TRANSFORMER – 3PH (callout text: Facility ID, kVA, Phase, # of services)
- SECONDARY JUNCTION – Vault, Pedestal
- METERING – 1PH, 3PH, Net, Primary
- LOAD INTERRUPTER SWITCH – Load Break, Remote Load Break
- STREETLIGHT – Hydro, Private
- KIOSK – 1PH, 3PH
- JUNCTION – Splice, Sleeve
- REMOVAL
- OPEN POINT
- COMMUNICATING FAULTED CIRCUIT INDICATOR (CFCI)
- TAP JUNCTION – Fly Tap, Midspan Tap

COLOR SCHEME

- Existing
- Hydro One Only
- Work by Customer
- Hydro One or Contractor
- Work by Others (Bell/LDC)

LEGEND

NOTES:

1. ALL DIMENSIONS ARE IN mm UNLESS STATED OTHERWISE.
2. ALL SEPARATIONS AND DEPTHS OF BURIAL ARE MINIMUM.
3. IF MINIMUM DEPTH OF COVER AS NOTED IN THE ABOVE TRENCH PROFILES IS EXCEEDED, SLOPING OF TRENCH WALLS AND/OR SHORING SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN THE OCCUPATIONAL HEALTH AND SAFETY ACT.
4. ALL SECONDARY SERVICE TRENCHES ARE TO BE 3 PARTY ONLY.
5. CONCRETE ENCASEMENT PER DU3–112 REQUIRED IF MINIMUM COVER IDENTIFIED ON DU3–111 CANNOT BE MAINTAINED.
6. TOP AND SIDES OF DUCTS SHALL BE SURROUNDED BY RAKED AND COMPACTED CLEAN MASONRY SAND. CLEAN NATIVE BACKFILL TO BE RAKED AND COMPACTED, AND WITHOUT STONES AND SHARP OBJECTS. REFER TO BACKFILLING DETAILS, SECTION 3 OF U/G DISTRIBUTION STANDARDS 2023 EDITION.
7. SECONDARY CABLES TO BE STAKED AT LOT LINE AS PER DU11–103–F2. 50 X 100mm POST AND 100mm RIGID PIPE TO BE SUPPLIED AS PART OF CIVIL WORKS.
8. SECONDARY SPLICE TO BE COMPRESSION TYPE ONLY
9. IF APPLICABLE, GAS METER MUST MAINTAIN A MINIMUM SEPARATION OF 1m FROM HYDRO METER.
10. MINIMUM HORIZONTAL CLEARANCES BETWEEN HONI DISTRIBUTION EQUIPMENT (<50kV) & OTHER UTILITY EQUIPMENT ARE TO BE PER TABLE 1, SECTION 6–2 OF THE U/G DISTRIBUTION STANDARDS 2023 EDITION.
11. ALL SECONDARY CONDUCTOR TO BE 3/0 ALUMINUM UNLESS SPECIFIED OTHERWISE.
12. ALL UNDERGROUND PRIMARY CONDUCTOR TO BE 2/0 ALUMINUM UNLESS SPECIFIED OTHERWISE.

U/G TRANSFORMERS & KIOSKS:

1. BACK OF TRANSFORMER TO BE LOCATED AS PER MUNICIPAL SPECIFICATION.
2. ALL TRANSFORMERS MUST BE LOCATED AT LEAST 3m FROM SURFACE OBJECTS AND STRUCTURES, OPENINGS OR COMBUSTIBLE MATERIALS ON OPERATING SIDE, 1m ON ALL OTHER SIDES.
3. ALL PADMOUNT TRANSFORMERS ARE TO BE POSITIONED SO THAT THE ACCESS DOOR OPENS FROM THE ROAD SIDE. UNLESS OTHERWISE SPECIFIED.
4. REFER TO SECTION 4 OF THE U/G DISTRIBUTION STANDARDS 2023 EDITION FOR VAULT SPECIFICATIONS. ALL SINGLE PHASE PAD–MOUNTED TRANSFORMER VAULTS ARE TO BE 48IN DEEP PRECAST CONCRETE FOUNDATION (1 PIECE) AS PER DU4–101 THE HONI APPROVED MATERIAL LIST.
5. PROTECTIVE BOLLARDS ARE REQUIRED IF TRANSFORMER IS LOCATED LESS THAN 1m FROM DRIVEWAY OR BACK OF CURB. (AS PER HONI DWG. DU6–107).
6. SINGLE PHASE TRANSFORMERS AND KIOSKS TO BE INSTALLED AS PER HONI DRAWINGS: DU2–101, DU4–101, DU4–201, DU4–301, DU6–108, DU12–101.
7. THREE PHASE TRANSFORMERS AND KIOSKS TO BE INSTALLED AS PER HONI DRAWINGS: DU2–101, D04–102, DU4–103, DU4–202, DU4–302, DU4–303, DU4–304, DU6–108, DU12–101.
9. SINGLE PHASE TRANSFORMERS AND KIOSKS – NON–CONTESTABLE STANDARDS DU8–101, DU8–102, DU9–101.
10. THREE PHASE TRANSFORMERS AND KIOSKS – NON–CONTESTABLE STANDARDS DU8–201, DU8–202, DU9–201.
11. SPARE DUCTS FOR SECONDARY ROAD CROSSINGS SHALL BE INSTALLED BACK TO THE SERVICING TRANSFORMER'S VAULT.

DUCTS:

1. HYDRO DUCTS TO BE 100mm TYPE II PVC UNLESS OTHERWISE NOTED.
2. BELL ENDS TO BE PLACED ON ALL OPEN DUCT ENDS.
3. UNUSED DUCTS TO BE CAPPED, C/W 1/2" WIDE, 1/16" THICK PULLING TAPE (MULETAPE).
4. PRIMARY AND SECONDARY CONDUCTORS TO BE INDIVIDUALLY DUCTED C/W SPARE FOR PRIMARY AND INCLUDE ADDITIONAL SPARE AT SECONDARY ROAD CROSSINGS.
5. ALL DUCTS TO BE MANDRELLED AND CLEANED AFTER INSTALLATION, WITNESSED BY HYDRO ONE.
6. DUCT QUANTITIES SHOWN ARE HYDRO REQUIREMENTS ONLY.
7. MINIMUM RADIUS OF DUCT TO BE USED IS 36" UNLESS NOTED OTHERWISE.
8. HYDRO ONE MUST BE NOTIFIED OF ANY GRADE CHANGE THAT WOULD ALTER THE DEPTH OF OUR CONDUCTORS.

REVISED: OCT 2024

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hydro one — Hydro One Networks Inc.

DESIGN SERVICES
SUBDIVISION LAYOUT

LOT(S): 21
CONCESSION(S): 11
TOWNSHIP: Luther East Twp
OPERATION CENTRE: Orangeville

ZSD - Monticello Subdivision

DRAWING NO. : 303680533
CAD FILE NO. : 64730380

IMPORTANT — DESTROY ALL OUTDATED REVISIONS OF THIS PRINT. FOR COPIES OF CURRENT REVISION, CONTACT HYDRO ONE NETWORKS INC., LINES ENGINEERING SERVICES–SUBDIVISIONS. PHONE 1–866–272–3330, EMAIL ADDRESS subdivision@hydroone.com

DESIGN SPECIFICATION:
Construction shall be in accordance with HONI's Overhead v2011 and Underground Distribution Standards 2023 Edition.

DESIGN CRITERIA:
1) DISTRIBUTION DESIGN BASED ON 200 AMP SERVICES.
2) ESTIMATED BUILDING SIZE 3500 SQ.FEET.
3) APPROVED MAXIMUM METER SET BACK SHALL BE N/A FROM PROPERTY LINE.
4) HEAT SOURCE: ELECTRICITY

SUBDIVISION TOTALS

Total Underground Length (m) :	Total Overhead Length (m) :
505	0

Length of Job or Ext. (km) : 0.505	Voltage : 7.2/12.51 kV
Number of Services : 21	Phase(s) : R
DS Station/Feeder : EAST LUTHER DS F3	Station Switch : 1142
Notes : ESTATE LOTS	

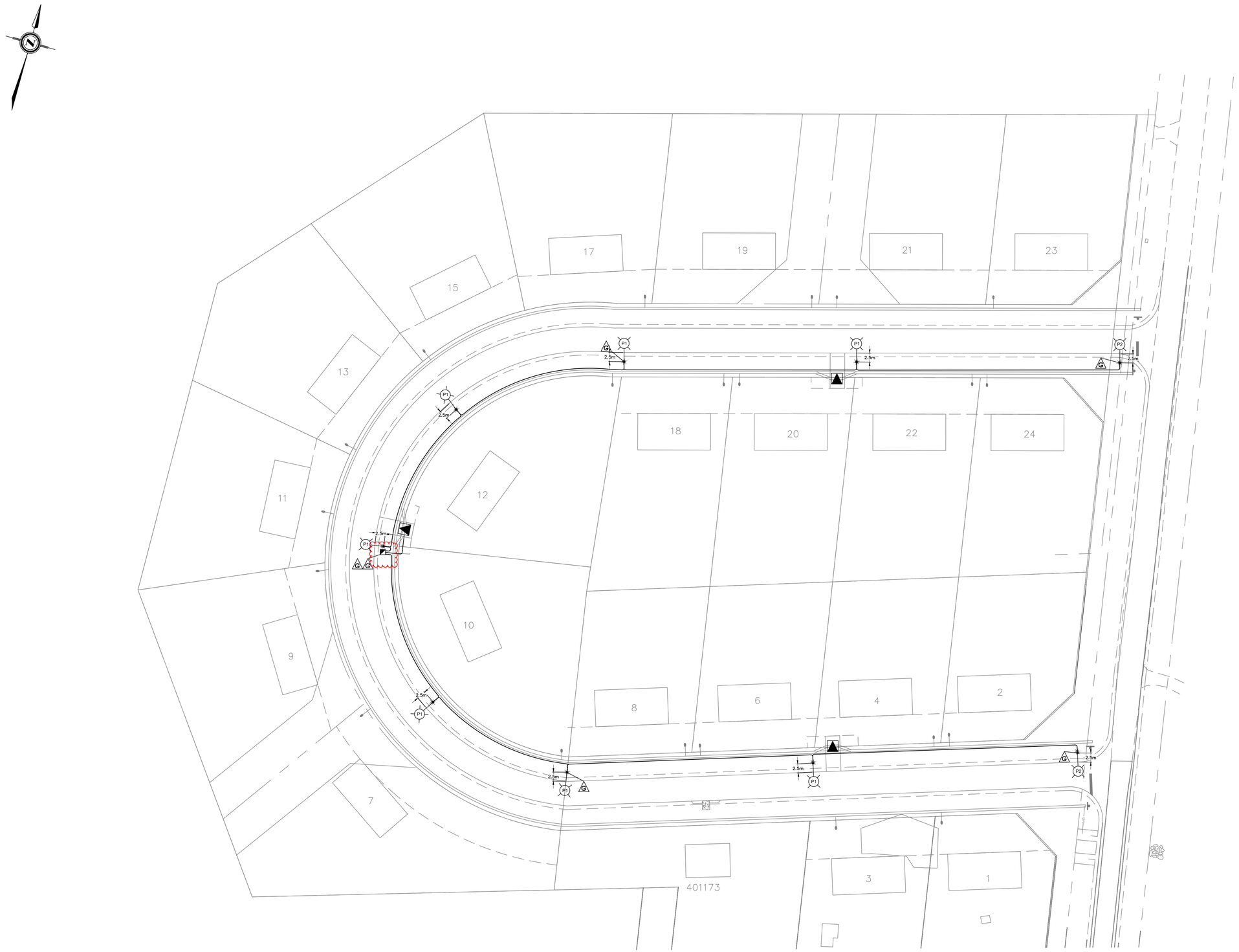
Drawn By :	Approved For Construction By :	Scale :
Elliott, Douglas		1:750
Prepared Date : 11/6/2024 — PAGE: 1 / 1	Approved For Construction Date :	Rev. : 11/26/2025

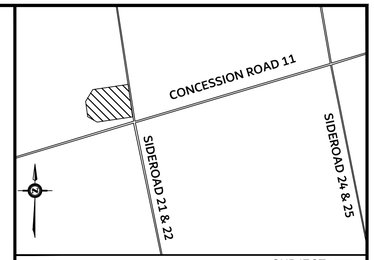
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ARCH D (610 x 914)

millimetres 0 10 50 100 200 250 300

DWG 013





KEY PLAN
Scale : N.T.S.

SUBJECT LANDS

PROPOSED STREET LIGHT X DENOTES LUMINAIRE TYPE, Y DENOTES LOAD CENTER WITH CIRCUIT NUMBER, AND Z DENOTES TYPE OF POLE WITH POLE NUMBER.

ONE 19mm DIA. X 3m COPPER CLAD GROUND WITH PROPER COMPRESSION TYPE CONNECTORS & TERMINALS FOR GROUNDING ELECTRODES.

PROPOSED UNDERGROUND UTILITY CABLE/CONDUIT - DETAIL 6 ON E003

PAD-MOUNTED TRANSFORMER

PEDESTAL C/W STREET LIGHTING LOAD CENTER PANEL BOARD

NO.	REVISIONS	DATE	BY
2	ISSUED FOR CONSTRUCTION	2026/04/28	V.P.
1	ISSUED FOR TENDER	2026/02/18	T.I.

SCALE(S):
1:500 0 10 20 30 40 50

DRAWING TITLE:
STREET LIGHTING ELECTRICAL DESIGN

PROJECT:
MONTICELLO SUBDIVISION

CLIENT:
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

GRIDCO

LICENSED PROFESSIONAL ENGINEER
2026/09/01
J. HECIMOVIC
100163610
PROVINCE OF ONTARIO

ENGINEER

DESIGNED BY:	T.I.
DRAWN BY:	T.I.
CHECKED BY:	A.B.
APPROVED BY:	A.B.
PROJECT No:	2502
DATE:	2026/09/01
DRAWING No.:	E–001

STATISTICS									TARGET VALUES				
DESCRIPTION	SYMBOL	CALCULATION METHOD	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN	AVG	MAX	MIN	AVG/MIN	MAX/MIN
INTERSECTION 1	+	ILLUMINANCE	LUX	8.3	18.3	3.8	2.2	4.8	8.0	N.A.	N.A.	6.0	N.A.
INTERSECTION 2	+	ILLUMINANCE	LUX	8.8	21.2	2.9	3.0	7.3	8.0	N.A.	N.A.	6.0	N.A.
ROADWAY 1- HILLTOWN DRIVE	+	ILLUMINANCE	LUX	5.8	21.3	1.2	4.8	17.8	4.0	N.A.	N.A.	6.0	N.A.
ROADWAY 2- HILLTOWN DRIVE	+	ILLUMINANCE	LUX	5.9	21.6	1.2	5.0	18.0	4.0	N.A.	N.A.	6.0	N.A.

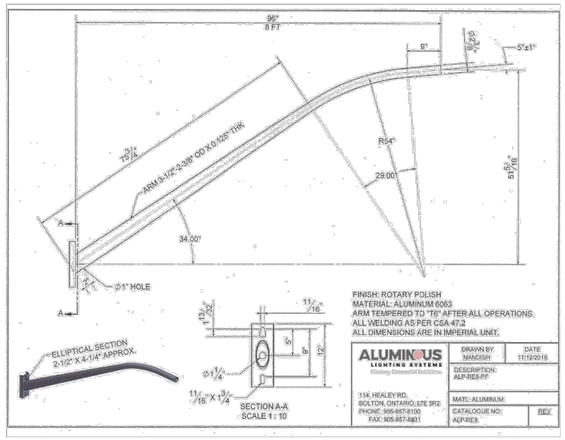
DESIGN CRITERIA:

- RECOMMENDED PRACTICE FOR ROADWAY LIGHTING AND PARKING FACILITIES: IESNA RP-8-22
- TOWN OF GRAND VALLEY RELATED STANDARDS
- ROADS CLASSIFICATION: HILLTOWN DRIVE - LOCAL
- INTERSECTION CLASSIFICATION: COLLECTOR - ISOLATED
- PEDESTRIAN CONFLICT CLASSIFICATION AREA: LOW

1 / E002 CALCULATION SUMMARY (STATISTICS)
SCALE N.T.S.

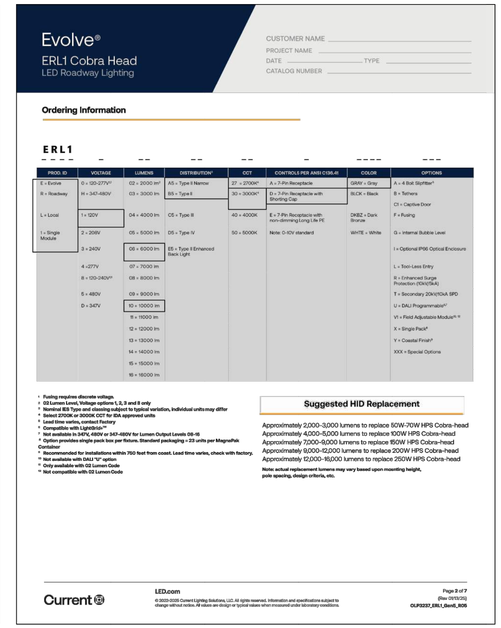
LUMINAIRE SCHEDULE						
TYPE	QTY	VOLTS	LAMPS	LLF	DESCRIPTION	MANUFACTURER/SERIES
P1	7	120	LED	0.846	48W, 3000K, FULL CUTOFF, TYPE II MEDIUM c/w 2.4m (8') TAPERED ELLIPTICAL BRACKET AND LONG LIFE PHOTOCELL ON NEW 10.67m (35') CLASS B CONCRETE POLE.	- GE LIGHTING SOLUTIONS: ERL1-06A-530 OR APPROVED EQUIVALENT - ALUMINOUS ALUMINUM BRACKET: ALS-RE8 - STRESSCRETE ROUND CLASS B CONCRETE POLE: E-350-BPR-G
P2	2	120	LED	0.783	76W, 3000K, FULL CUTOFF, TYPE II MEDIUM c/w 2.4m (8') TAPERED ELLIPTICAL BRACKET AND LONG LIFE PHOTOCELL ON NEW 10.67m (35') CLASS B CONCRETE POLE.	- GE LIGHTING SOLUTIONS: ERL1-10B-530 OR APPROVED EQUIVALENT - ALUMINOUS ALUMINUM BRACKET: ALS-RE8 - STRESSCRETE ROUND CLASS B CONCRETE POLE: E-350-BPR-G

2 / E002 LUMINAIRE SCHEDULE
SCALE N.T.S.

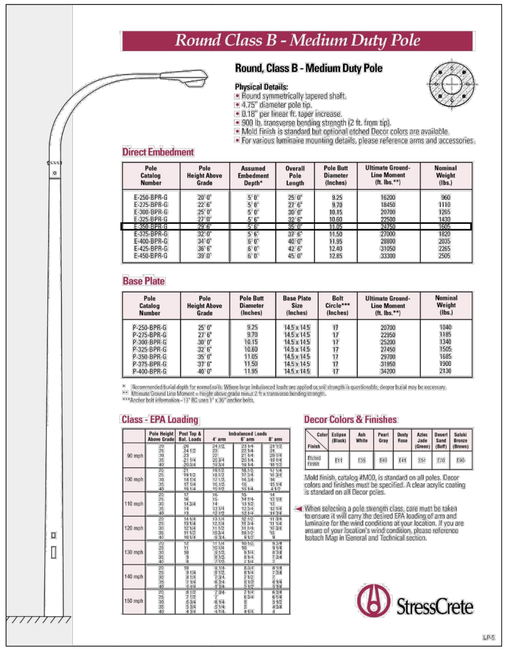


3 / E002 ARM DETAIL
SCALE N.T.S.

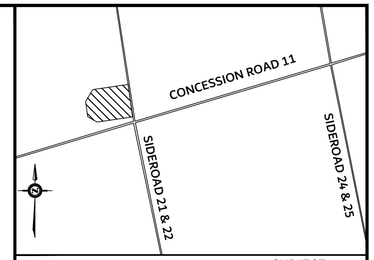




4 / E002 PROPOSED LUMINAIRE TYPE P1 & P2
SCALE N.T.S.



5 / E002 PROPOSED POLE
SCALE N.T.S.



PROPOSED STREET LIGHT X DENOTES LUMINAIRE TYPE, Y DENOTES LOAD CENTER WITH CIRCUIT NUMBER, AND Z DENOTES TYPE OF POLE WITH POLE NUMBER.

ONE 19mm DIA. X 3m COPPER CLAD GROUND WITH PROPER COMPRESSION TYPE CONNECTORS & TERMINALS FOR GROUNDING ELECTRODES.

PROPOSED UNDERGROUND UTILITY CABLE/CONDUIT - DETAIL 6 ON E003

PAD-MOUNTED TRANSFORMER

PEDESTAL C/W STREET LIGHTING LOAD CENTER PANEL BOARD

NO.	REVISIONS	DATE	BY
2	ISSUED FOR CONSTRUCTION	2026/04/28	V.P.
1	ISSUED FOR TENDER	2026/02/18	T.I.

SCALE(S):
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DRAWING TITLE:
GENERAL NOTES & DETAILS

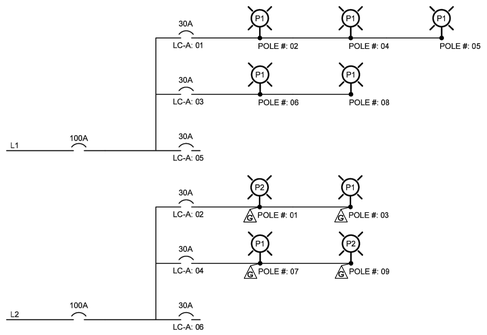
PROJECT:
MONTICELLO SUBDIVISION

CLIENT:
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

GRIDCO

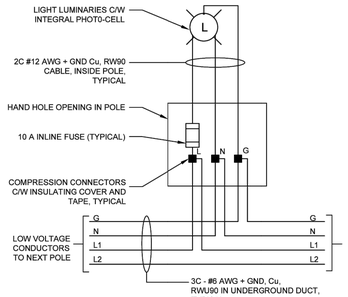
LICENSED PROFESSIONAL ENGINEER
2026/09/01
J. HECIMOVIC
100163610
PROVINCE OF ONTARIO
ENGINEER

DESIGNED BY:	PROJECT No:
T.I.	2502
DRAWN BY: T.I.	DATE: 2026/09/01
CHECKED BY: A.B.	DRAWING No.: E-002
APPROVED BY: A.B.	



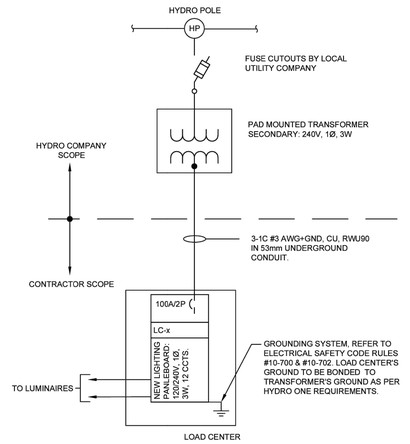
1 E003 WIRING DIAGRAM FOR LOAD CENTRE 'LC-A'

SCALE N.T.S.



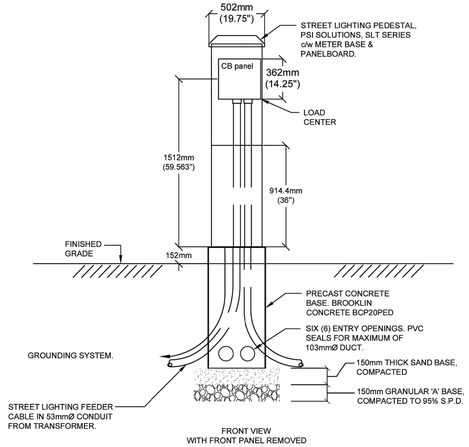
2 E003 LUMINAIRE WIRING DIAGRAM

SCALE N.T.S.



3 E003 LOAD CENTRE SINGLE LINE DIAGRAM

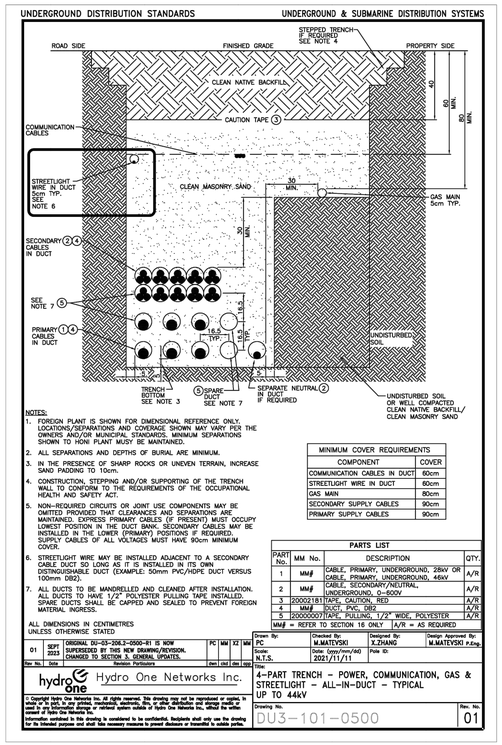
SCALE N.T.S.



NOTES:
- ALL DIMENSIONS SHOWN IN MILLIMETERS
- INSTALL AS PER MANUFACTURER RECOMMENDATIONS.

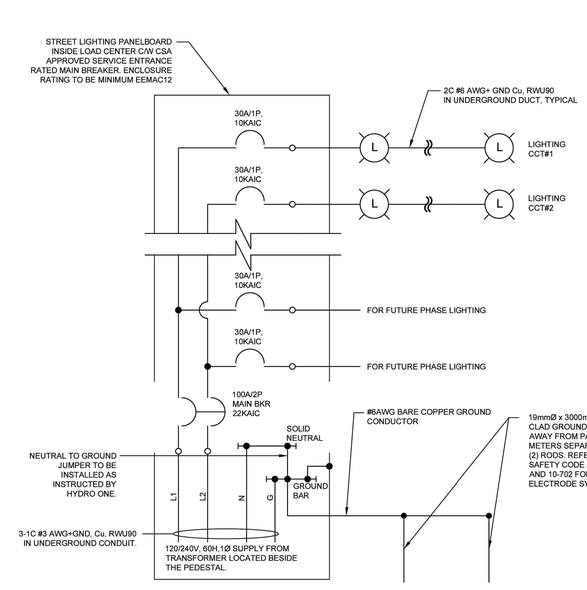
5 E003 STREET LIGHTING PEDESTAL INSTALLATION DETAIL

SCALE N.T.S.



6 E003 JOINT UTILITY TRENCH DETAIL

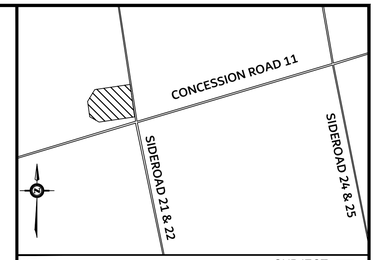
SCALE N.T.S.



NOTES:
- REFER TO PLAN LAYOUT DRAWINGS FOR QUANTITIES AND LOCATION OF STREET LIGHTS.
- CONTRACTOR TO ENSURE STREET LIGHTS ARE BALANCED IN LOAD CENTER SUCH THAT THE LIGHT LOADS ARE EVENLY DISTRIBUTED AMONG ALL CIRCUIT BREAKERS.

4 E003 STREET LIGHTING PEDESTAL SCHEMATIC DETAIL

SCALE N.T.S.



KEY PLAN
Scale : N.T.S.

SUBJECT LANDS

PROPOSED STREET LIGHT X DENOTES LUMINAIRE TYPE, Y DENOTES LOAD CENTER WITH CIRCUIT NUMBER, AND Z DENOTES TYPE OF POLE WITH POLE NUMBER.

ONE 19mm DIA. X 3m COPPER CLAD GROUND WITH PROPER COMPRESSION TYPE CONNECTORS & TERMINALS FOR GROUNDING ELECTRODES.

PROPOSED UNDERGROUND UTILITY CABLE/CONDUIT - DETAIL 6 ON E003

PAD-MOUNTED TRANSFORMER

PEDESTAL C/W STREET LIGHTING LOAD CENTER PANEL BOARD

NO.	REVISIONS	DATE	BY
2	ISSUED FOR CONSTRUCTION	2026/04/28	V.P.
1	ISSUED FOR TENDER	2026/02/18	T.I.

SCALE(S):
1:500 (0 10 20 30 40 50)

DRAWING TITLE:
GENERAL NOTES & DETAILS

PROJECT:
MONTICELLO SUBDIVISION

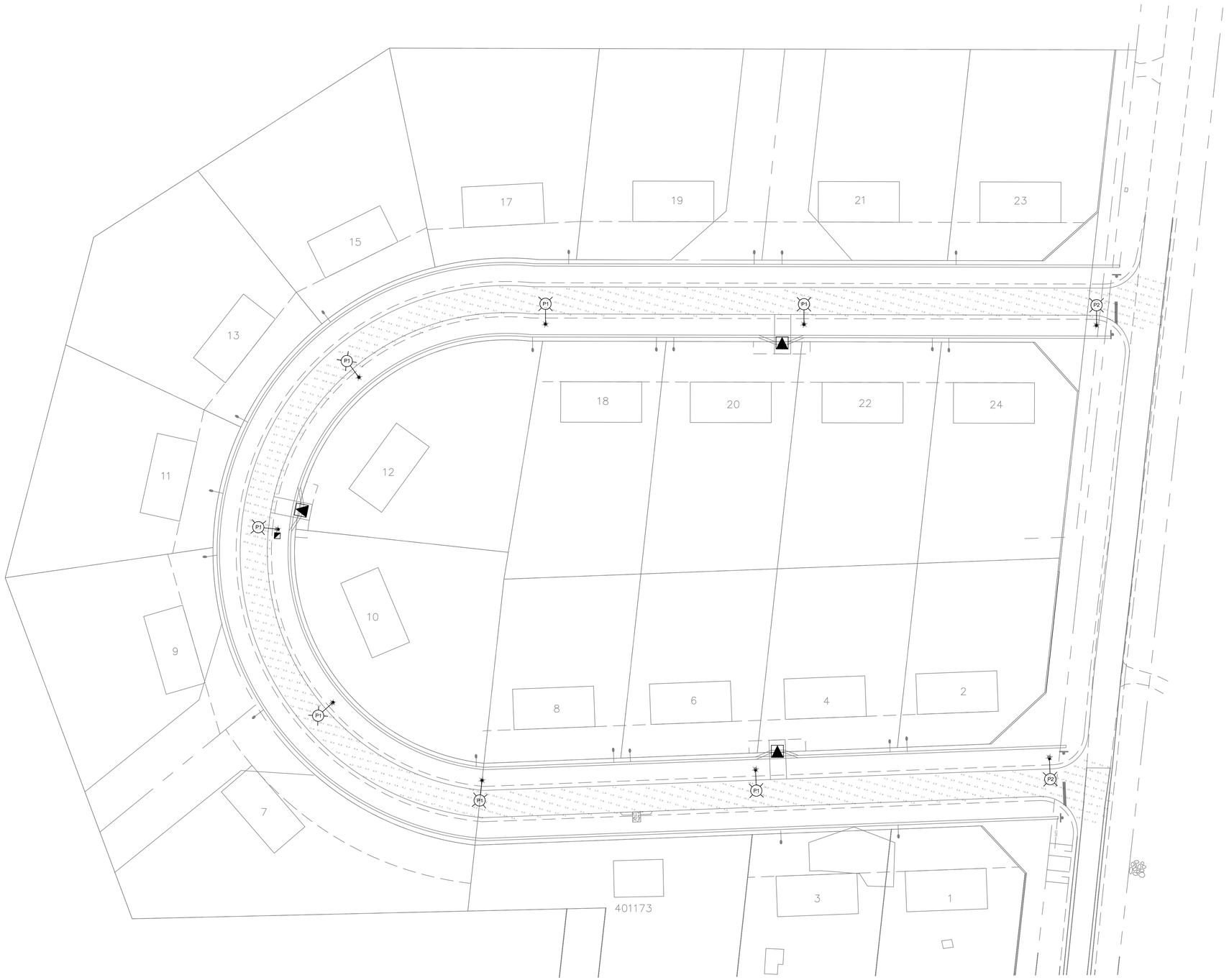
CLIENT:
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

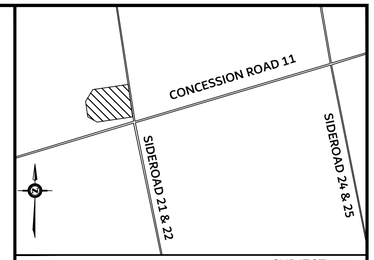
GRIDCO

LICENSED PROFESSIONAL ENGINEER
2026/09/01
J. HECIMOVIC
100163610
PROVINCE OF ONTARIO

ENGINEER

DESIGNED BY: T.I.	PROJECT No: 2502
DRAWN BY: T.I.	DATE: 2026/09/01
CHECKED BY: A.B.	DRAWING No.: E-003
APPROVED BY: A.B.	





KEY PLAN
Scale : N.T.S.

SUBJECT LANDS

PROPOSED STREET LIGHT X DENOTES LUMINAIRE TYPE, Y DENOTES LOAD CENTER WITH CIRCUIT NUMBER, AND Z DENOTES TYPE OF POLE WITH POLE NUMBER.

ONE 19mm DIA. X 3m COPPER CLAD GROUND WITH PROPER COMPRESSION TYPE CONNECTORS & TERMINALS FOR GROUNDING ELECTRODES.

PROPOSED UNDERGROUND UTILITY CABLE/CONDUIT - DETAIL 6 ON E003

PAD-MOUNTED TRANSFORMER

PEDESTAL C/W STREET LIGHTING LOAD CENTER PANEL BOARD

NO.	REVISIONS	DATE	BY
2	ISSUED FOR CONSTRUCTION	2026/04/28	V.P.
1	ISSUED FOR TENDER	2026/02/18	T.I.

SCALE(S):
1:500 0 10 20 30 40 50

DRAWING TITLE:
PHOTOMETRIC PLAN

PROJECT:
MONTICELLO SUBDIVISION

CLIENT:
THE TOWN OF GRAND VALLEY
5 MAIN STREET NORTH
GRAND VALLEY, ONTARIO
L9W 5S6

GRIDCO

LICENSED PROFESSIONAL ENGINEER
2026/09/01
J. HECIMOVIC
100163610
PROVINCE OF ONTARIO

ENGINEER

DESIGNED BY:	T.I.
DRAWN BY:	T.I.
CHECKED BY:	A.B.
APPROVED BY:	A.B.
PROJECT No:	2502
DATE:	2026/09/01
DRAWING No.:	SL–001