

APPENDIX 1 – SANITARY FLOW ESTIMATE TABLE

Project #: DEL19-009
 Project Name: LPH Lands Subdivision
 Date: October 31, 2022
 By: D.Hoevenaars, P.Eng., T.Winger, E.I.T.



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Sanitary Flow Calculations

Block #	Area (ha)	Usage	Bonus Density (u/ha) ²	# of Units (Res)	Pop. (Res)	Pop. (ICI)	Pop. (total)	Dry Weather Design Flow (L/s)	Infiltration (L/s)
Lots 1-30	2.08	1		30	90	0	90	0.24	0.21
31	2.28	2	150	343	824	0	824	2.19	0.23
32	2.01	2	150	302	725	0	725	1.93	0.20
33	1.90	2	150	285	684	0	684	1.82	0.19
34	1.00	2	150	150	360	0	360	0.96	0.10
35	2.38	2	150	357	857	0	857	2.28	0.24
36	1.53	2	150	231	555	0	555	1.48	0.15
37	1.28	2	150	193	464	0	464	1.24	0.13
38	1.39	2	150	209	502	0	502	1.34	0.14
39	1.26	3	150	190	456	127	583	1.55	0.13
40	0.47	3	150	71	171	48	219	0.58	0.05
41	1.23	4	250	309	495	124	619	1.65	0.12
42	1.58	4	250	395	632	158	790	2.10	0.16
43	0.63	4	250	157	252	63	315	0.84	0.06
44	0.85	4	250	212	340	85	425	1.13	0.08
45	2.45	4	365	895	1432	246	1678	4.47	0.25
46	1.81	4	250	452	724	181	905	2.41	0.18
47	1.07	4	250	267	428	107	535	1.42	0.11
48	0.83	4	250	208	333	84	417	1.11	0.08
49	0.90	7		0	0	90	90	0.24	0.09
50	1.13	7		0	0	113	113	0.30	0.11
51	1.36	7		0	0	136	136	0.36	0.14
52	0.85	7		0	0	85	85	0.23	0.09
53	0.54	6		0	0	0	0	0.00	0.05
54	2.28	6		0	0	0	0	0.00	0.23
55	3.17	2	150	475	1140	0	1140	3.03	0.32
56	2.60	6		0	0	0	0	0.00	0.26
57	0.18	6		0	0	0	0	0.00	0.02
58	0.61	6		0	0	0	0	0.00	0.06
59	3.42	6		0	0	0	0	0.00	0.34
60	0.10	8		0	0	0	0	0.00	0.01
61	0.10	8		0	0	0	0	0.00	0.01
62	1.04	8		0	0	0	0	0.00	0.10
63	0.06	8		0	0	0	0	0.00	0.01
64	0.00	8		0	0	0	0	0.00	0.00
Roadways	11.79	8		0	0	0	0	0.00	1.18
Total:	58.13			5731	11464	1647	13111	34.90	5.81
								Peaking Factor:	2.84
								Design Flow (L/s):	114.73

Types of Usage

Types of Usage	Unit Count (Residential)	Area (ha)
1 Single Family	30	2.08
2 Medium Density ³	2545	16.94
3 Medium Density/Mixed Use	261	1.74
4 High Density/Mixed Use	2895	10.44
5 Institutional	0	0.00
6 Parkland/Open Space/SWM Block	0	9.63
7 Heritage	0	4.24
8 Municipal/Private Right-of-Ways	0	13.07
Total	5731	58.13

Assumptions

Maximum Residential Density (Low Density):	30 units/ha ¹
Maximum Residential PPU (Low Density):	3.0 persons/unit ¹
Maximum Residential Density (Medium Density):	75 units/ha ²
Maximum Residential PPU (Medium Density):	2.4 persons/unit ¹
Maximum Residential PPU (High Density):	1.6 persons/unit ¹
Commercial/Institutional (also assumed for Heritage):	100 person/ha ¹
Residential Dry Weather Design Flow:	230 L/cap/day ¹
Uncertain Development Factor ¹ :	0.1
Peaking Factor (residential Harmon) ¹ : M=1+(14/(4+P ^{0.5}))	
Infiltration Allowance:	0.1 L/s/ha ¹

References:

- (1) Taken from City of London Design Specifications & Requirements Manual - Section 3, Last Updated March, 2021
- (2) Requested Bonus Density per zoning sketch as provided by Planner
- (3) Block 55 has been assumed as medium density residential zoning for sewage load and DC revenue but could also develop as a school block at institutional zoning of 100 PPH (3.17 ha x 100 ppha = 317 people)

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Sanitary Flow Calculations (per Phase)

Phase 1A	Area (ha)	Population	Dry Flow (L/s)	Infiltration (L/s)
45	2.45	1678	4.47	0.25
49	0.90	90	0.24	0.09
62	1.04	0	0.00	0.10
Roadways	1.08	0	0.00	0.11
Phase Total:	5.47	1768	4.71	0.55
Peak Factor			3.63	
Total Flow (L/s)			19.32	

Phase 1B	Area (ha)	Population	Dry Flow (L/s)	Infiltration (L/s)
46	1.81	905	2.41	0.18
47	1.07	535	1.42	0.11
48	0.83	417	1.11	0.08
63	0.06	0	0.00	0.01
Roadways	1.09	0	0.00	0.11
Phase Total:	4.84	1857	4.94	0.48
Previous Phases:	5.47	1768	4.71	0.55
Total:	10.31	3625	9.65	1.03
Peak Factor			3.37	
Total Flow (L/s)			36.82	

Single

Phase 2	Area (ha)	Population	Dry Flow (L/s)	Infiltration (L/s)
Lots 1-30	2.08	90	0.24	0.21
32	2.01	725	1.93	0.20
33	1.90	684	1.82	0.19
34	1.00	360	0.96	0.10
35	2.38	857	2.28	0.24
36	1.53	555	1.48	0.15
37	1.28	464	1.24	0.13
38	1.39	502	1.34	0.14
39	1.26	583	1.55	0.13
40	0.47	219	0.58	0.05
50	1.13	113	0.30	0.11
51	1.36	136	0.36	0.14
52	0.85	85	0.23	0.09
53	0.54	0	0.00	0.05
54	2.28	0	0.00	0.23
56	2.60	0	0.00	0.26
59	3.42	0	0.00	0.34
60	0.10	0	0.00	0.01
61	0.10	0	0.00	0.01
64	0.00	0	0.00	0.00
Roadways	8.23	0	0.00	0.82
Phase Total:	35.90	5373	14.30	3.59
Previous Phases:	10.31	3625	9.65	1.03
Total:	46.21	8998	23.95	4.62
Peak Factor			3.00	
Total Flow (L/s)			83.67	

Phase 3	Area (ha)	Population	Dry Flow (L/s)	Infiltration (L/s)
31	2.28	824	2.19	0.23
41	1.23	619	1.65	0.12
42	1.58	790	2.10	0.16
43	0.63	315	0.84	0.06
44	0.85	425	1.13	0.08
55	3.17	1140	3.03	0.32
57	0.18	0	0.00	0.02
58	0.61	0	0.00	0.06
Roadways	1.40	0	0.00	0.14
Phase Total:	11.92	4113	10.95	1.19
Previous Phases:	46.21	8998	23.95	4.62
Total:	58.13	13111	34.90	5.81
Peak Factor			2.84	
Total Flow (L/s)			114.73	

Combined

Phase	Phase ADF (ML/day)	Cumulative ADF (ML/Day)	Cumulative Peaking Factor (Harmon) (entire)	Cumulative Peak Flow (L/s) (entire site)
1A	0.41	0.41	3.63	19.32
1B	0.43	0.83	3.37	36.82
2	1.24	2.07	3.00	83.67
3	0.95	3.02	2.84	114.73

Split Highbury/Dundas

Phase	Phase ADF (ML/day)	Cumulative ADF (ML/Day)	Cumulative Peaking Factor (Harmon) (entire)	Cumulative Peak Flow (L/s) (entire site)	
1A	0.41	0.41	3.63	19.32	TO HIGHBURY
1B	0.43	0.83	3.37	36.82	
2	1.24	1.24	3.22	54.19	TO DUNDAS
3	0.95	2.18	2.98	87.49	

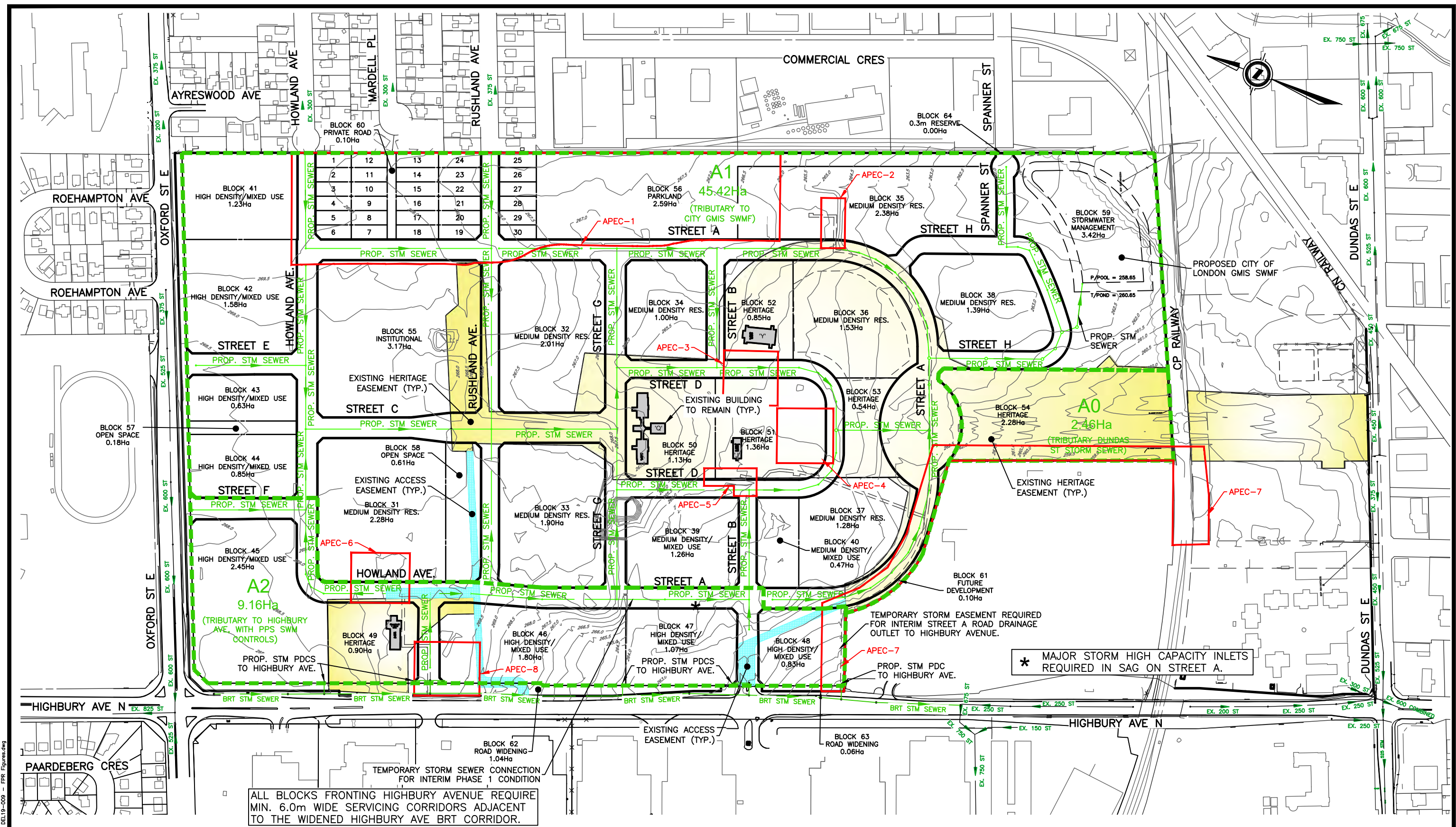
Assumptions

- Maximum Residential Density (Low Density): 30 units/ha¹
- Maximum Residential PPU (Low Density): 3.0 persons/unit¹
- Maximum Residential Density (Medium Density): 75 units/ha²
- Maximum Residential PPU (Medium Density): 2.4 persons/unit¹
- Maximum Residential PPU (High Density): 1.6 persons/unit¹
- Commercial/Institutional (also assumed for Heritage): 100 person/ha¹
- Residential Dry Weather Design Flow: 230 L/cap/day¹
- Uncertain Development Factor¹: 0.1
- Peaking Factor (residential Harmon)¹: $M=1+(14/(4+P^{0.5}))$
- Infiltration Allowance: 0.1 L/s/ha¹

References:

- (1) Taken from City of London Design Specifications & Requirements Manual - Section 3, Last Updated March, 2021
- (2) Requested Bonus Density per zoning sketch as provided by Planner

APPENDIX 2 – FIGURES 7 THROUGH 13

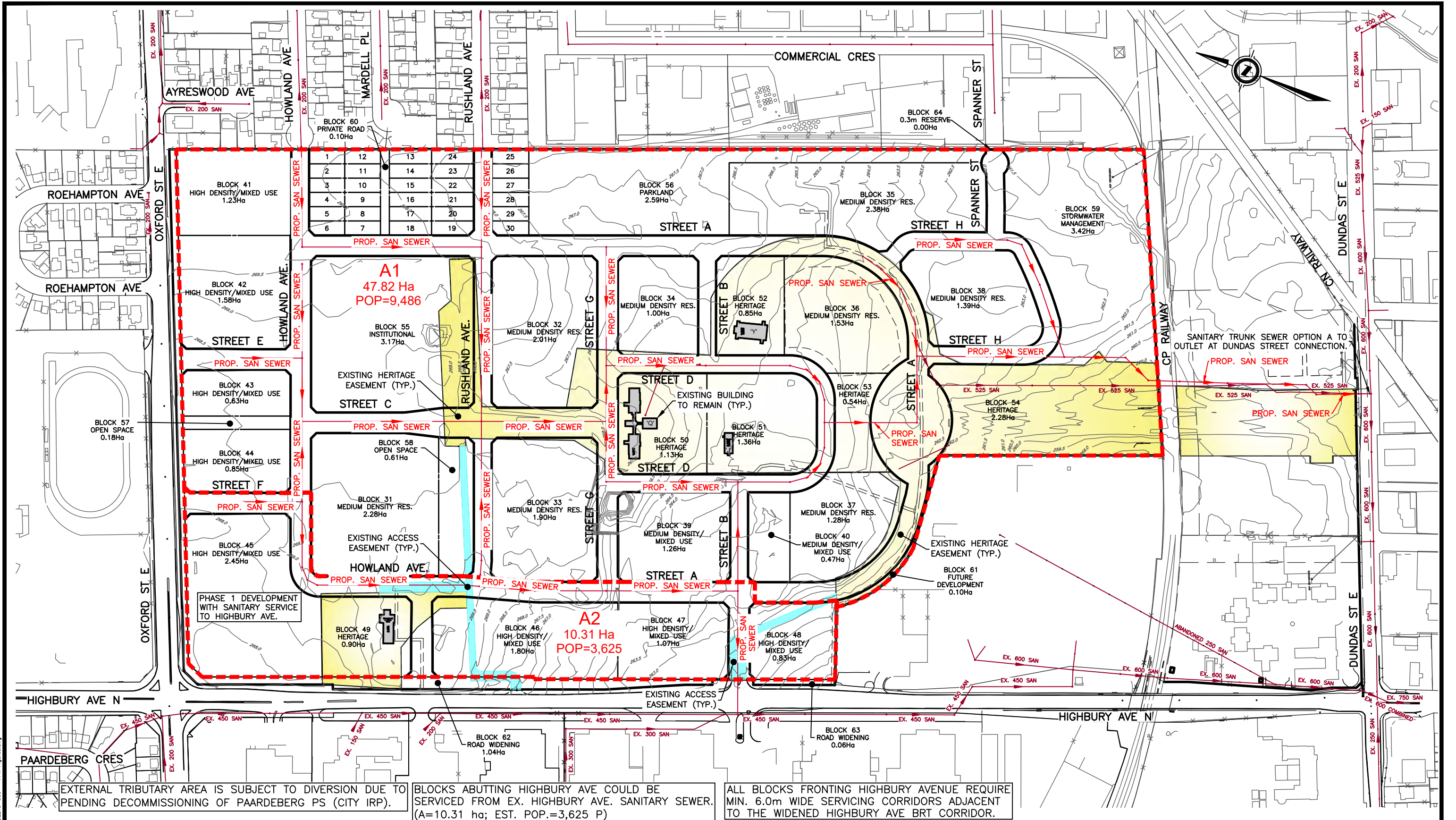


ALL BLOCKS FRONTING Highbury Avenue REQUIRE MIN. 6.0m WIDE SERVICING CORRIDORS ADJACENT TO THE WIDENED Highbury Ave BRT CORRIDOR.

* MAJOR STORM HIGH CAPACITY INLETS REQUIRED IN SAG ON STREET A.

<p>London Office 41 Adelaide St. N., Unit 71 (519) 672-8310</p> <p>Paris Office 31 Mechanic St., Unit 301 (519) 442-1441</p> <p>development engineering (London) Limited CONSULTING CIVIL ENGINEERS</p>	<h1>LPH LEGACY VILLAGE</h1>	<h1>PROPOSED STORM SERVICING STRATEGY</h1>	<p>SCALE 1:4000 (11x17)</p>	<p>PROJECT N° DEL19-009</p> <p>DRAWN BY: RQ</p> <p>DATE: OCT. 2022</p>	<p>Figure Number</p> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">7</div>
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Plotfile: Oct-31/22-10:30am Name: DEL19-009 - PFR Figures.dwg



Plotted: Oct 26/22 - 5:04pm Name: DEL19-009 - FPR Figures.dwg

EXTERNAL TRIBUTARY AREA IS SUBJECT TO DIVERSION DUE TO PENDING DECOMMISSIONING OF PAARDEBERG PS (CITY IRP).

BLOCKS ABUTTING Highbury Ave COULD BE SERVICED FROM EX. Highbury Ave. SANITARY SEWER. (A=10.31 ha; EST. POP.=3,625 P)

ALL BLOCKS FRONTING Highbury Avenue REQUIRE MIN. 6.0m WIDE SERVICING CORRIDORS ADJACENT TO THE WIDENED Highbury Ave BRT CORRIDOR.

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LPH LEGACY VILLAGE

PROPOSED SANITARY SERVICING STRATEGY

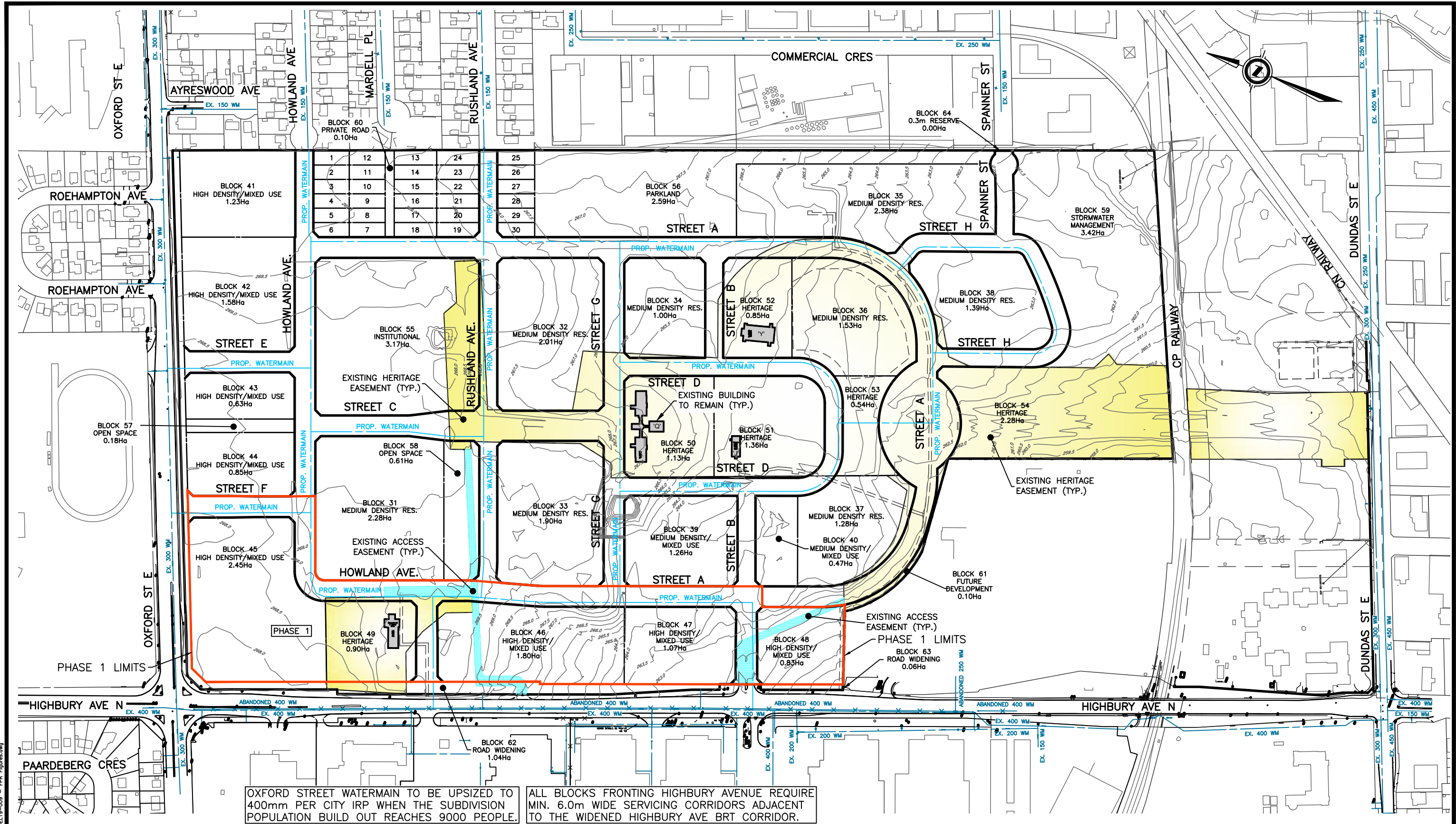
SCALE
1:4000
(11x17)

PROJECT N°
DEL19-009

DRAWN BY:
RQ

DATE:
OCT. 2022

Figure Number
8



OXFORD STREET WATERMAIN TO BE UPSIZED TO 400mm PER CITY IRP WHEN THE SUBDIVISION POPULATION BUILD OUT REACHES 9000 PEOPLE.

ALL BLOCKS FRONTING Highbury Avenue REQUIRE MIN. 6.0m WIDE SERVICING CORRIDORS ADJACENT TO THE WIDENED Highbury Ave BRT CORRIDOR.

Plotter: Oct-26/22-5:08pm Name: DEL19-009 - FPR Figures.dwg

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LPH LEGACY VILLAGE

PROPOSED WATER SERVICING STRATEGY

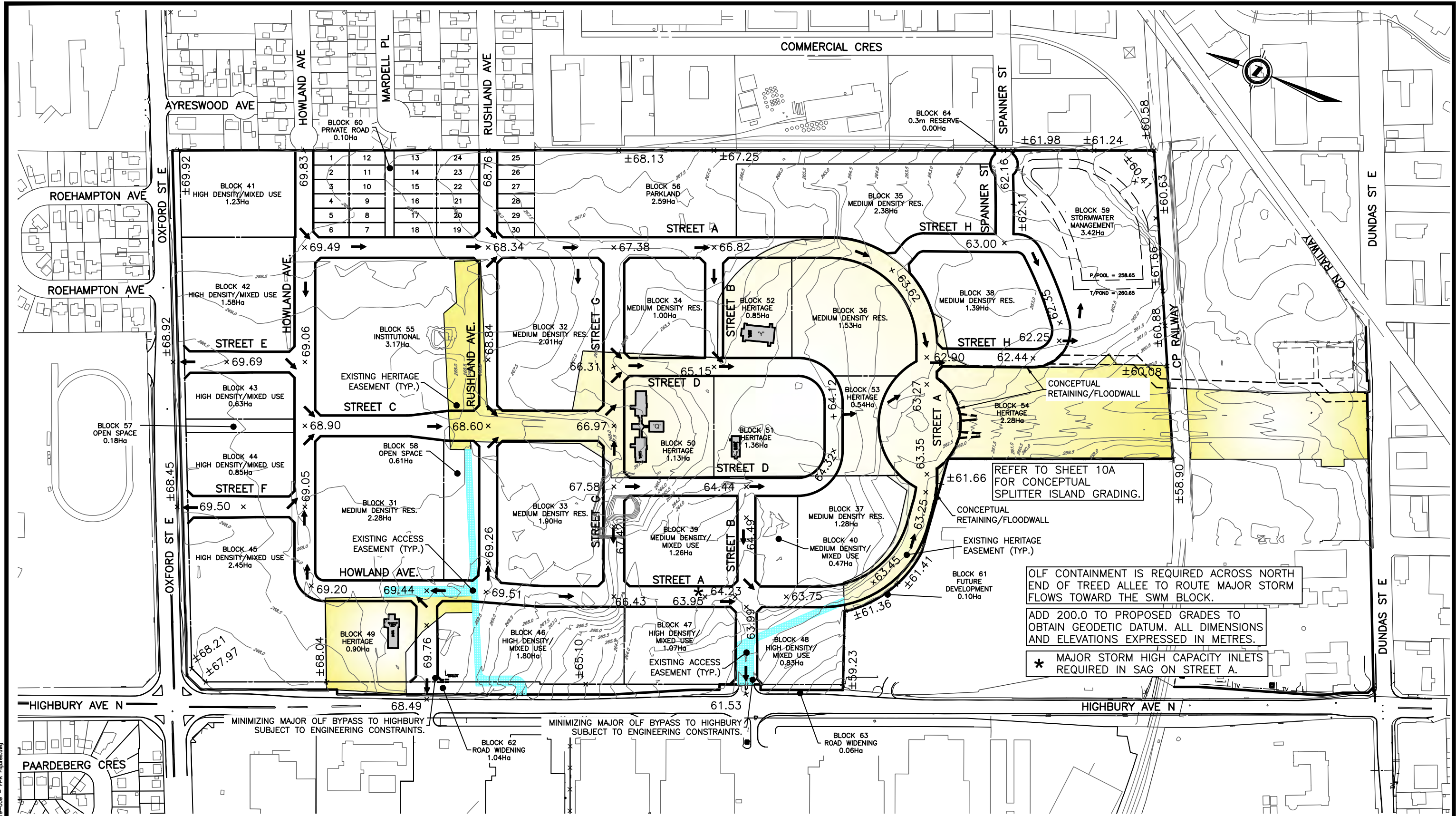
SCALE
1:4000
(11x17)

PROJECT N°
DEL19-009

DRAWN BY:
RQ

DATE:
OCT. 2022

Figure Number
9



REFER TO SHEET 10A FOR CONCEPTUAL SPLITTER ISLAND GRADING.

CONCEPTUAL RETAINING/FLOODWALL
EXISTING HERITAGE EASEMENT (TYP.)

OLF CONTAINMENT IS REQUIRED ACROSS NORTH END OF TREET ALLEE TO ROUTE MAJOR STORM FLOWS TOWARD THE SWM BLOCK.

ADD 200.0 TO PROPOSED GRADES TO OBTAIN GEODETIC DATUM. ALL DIMENSIONS AND ELEVATIONS EXPRESSED IN METRES.

* MAJOR STORM HIGH CAPACITY INLETS REQUIRED IN SAG ON STREET A.

MINIMIZING MAJOR OLF BYPASS TO Highbury SUBJECT TO ENGINEERING CONSTRAINTS.

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LPH LEGACY VILLAGE

PROPOSED GRADING AND OLF STRATEGY

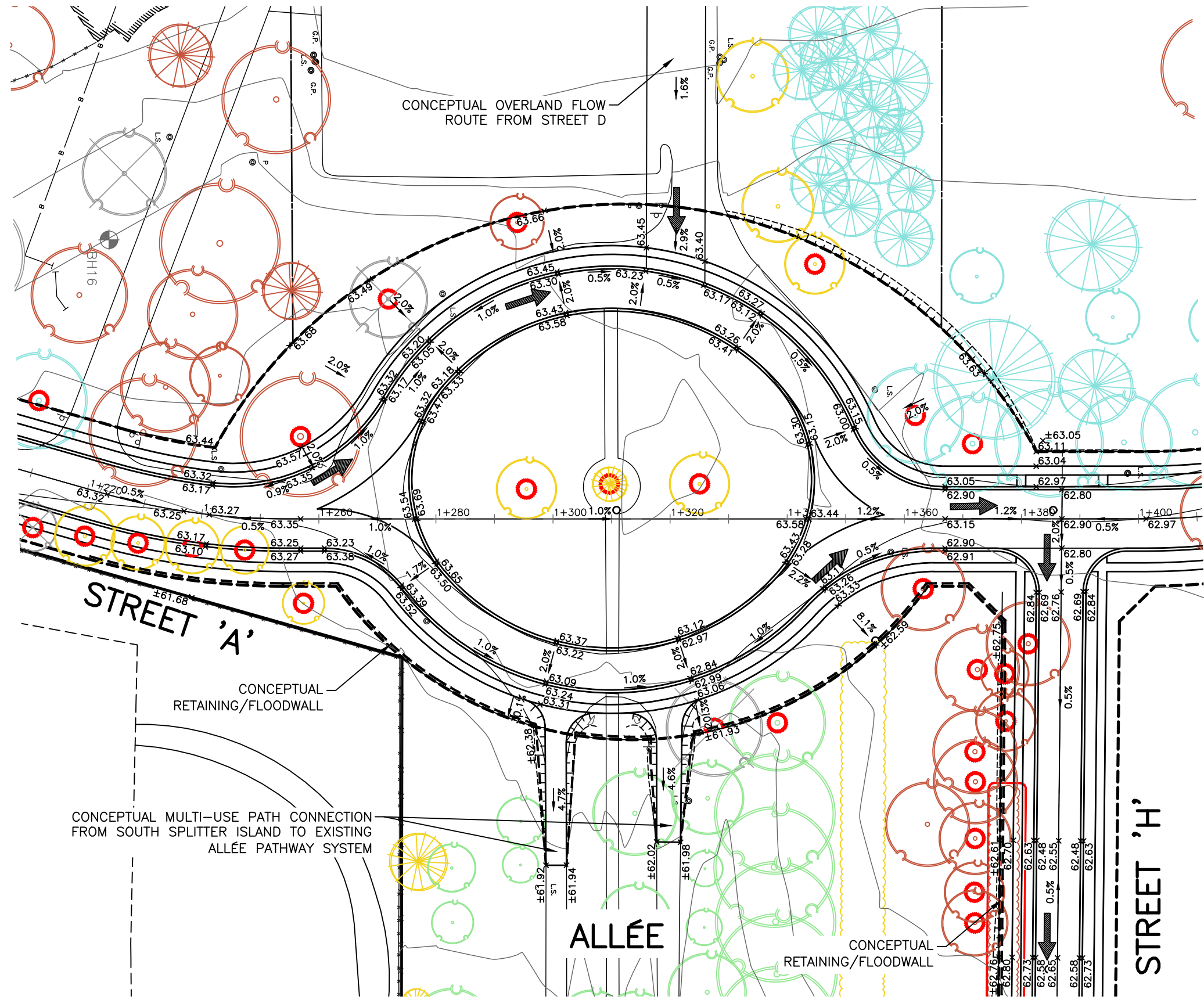
SCALE
1:4000
(11x17)

PROJECT #
DEL19-009

DRAWN BY:
RQ

DATE:
OCT. 2022

Figure Number
10

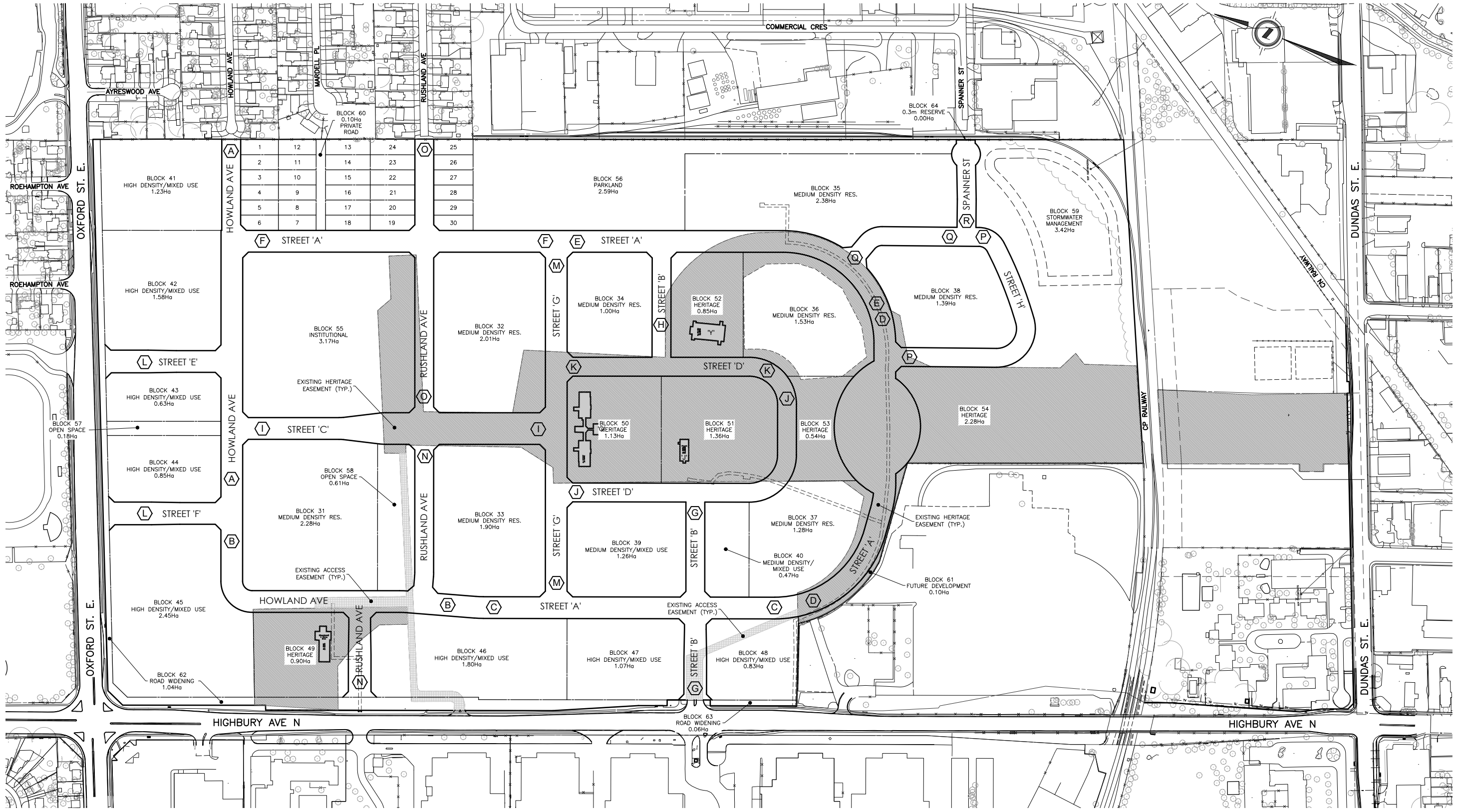


LEGEND

- RKLA VALUE RATING 'A'
- RKLA VALUE RATING 'B'
- RKLA VALUE RATING 'C'
- RKLA VALUE RATING 'D'
- RKLA RECOMMENDED REMOVAL
- DEVENG RECOMMENDED REMOVAL
- EXISTING HERITAGE EASEMENT
- EXISTING ACCESS EASEMENT
- PROPOSED BIKE ROUTE (SHOWN 2m WIDE)

Plotfile: Oct-26/22-11:59am Name: DEL19-009 - Figures.dwg

<p>London Office 41 Adelaide St. N., Unit 71 (519) 672-8310</p> <p>Paris Office 31 Mechanic St., Unit 301 (519) 442-1441</p>	 development engineering <small>(London) Limited</small> CONSULTING CIVIL ENGINEERS	<h2 style="margin: 0;">LPH LEGACY VILLAGE</h2> <h3 style="margin: 0;">CONCEPTUAL SOUTH SPLITTER ISLAND AND STREET H OVERLAND FLOW GRADING</h3>	<p>SCALE</p> <p style="font-size: 1.2em;">1:750 (11x17)</p>	<p>PROJECT N°</p> <p style="font-weight: bold;">DEL19-009</p> <p>DRAWN BY:</p> <p style="font-weight: bold;">RQ</p> <p>DATE:</p> <p style="font-weight: bold;">OCT. 2022</p>	<p>Figure Number</p> <div style="border: 2px solid black; padding: 5px; font-size: 1.5em; font-weight: bold; display: inline-block;">10A</div>
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EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
					DESIGN BY R2/JB DRAWN BY RD CHECKED BY JB/RH F.B.K. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG

CONSULTANT OR DIVISION
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 Paris Office
 31 Mechanic St., Unit 301
 (519) 442-1441

development engineering
 (London) Limited
 CONSULTING CIVIL ENGINEERS

ENGINEER'S STAMP

PRELIMINARY
 DO NOT USE FOR CONSTRUCTION

SCALE
 SCALE - 1:2000
 20 0 40m
 NTS IF REDUCED FROM 22"x34"

TITLE
LPH CAMPUS REDEVELOPMENT
 OLD OAK PROPERTIES

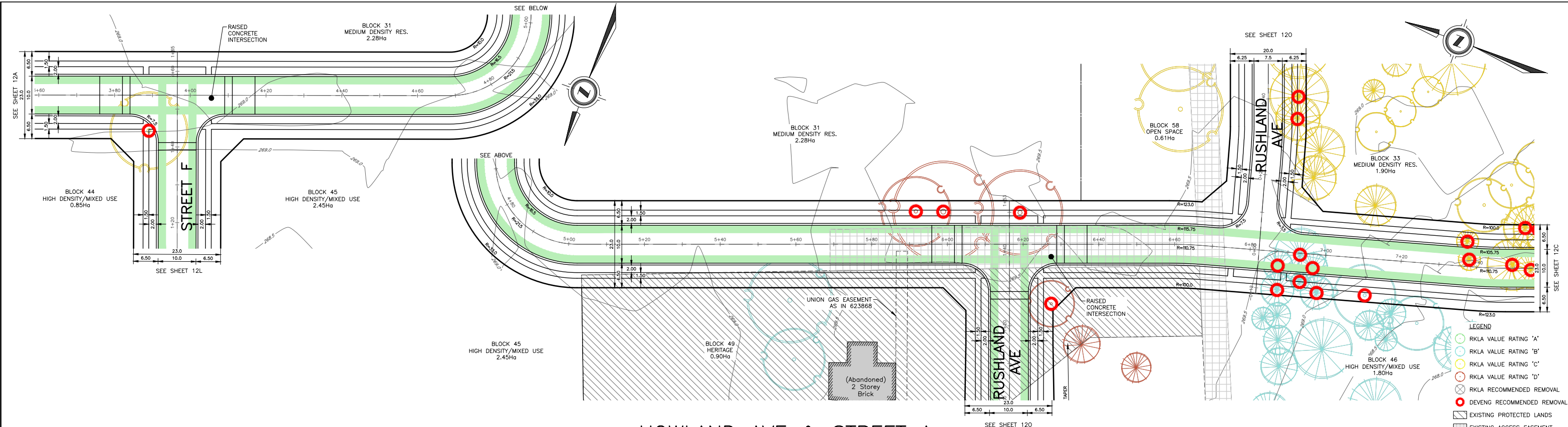
KEY MAP FOR FIG.12 PLAN AND PROFILE DRAWINGS

PROJECT No.
DEL19-009

SHEET No.
12

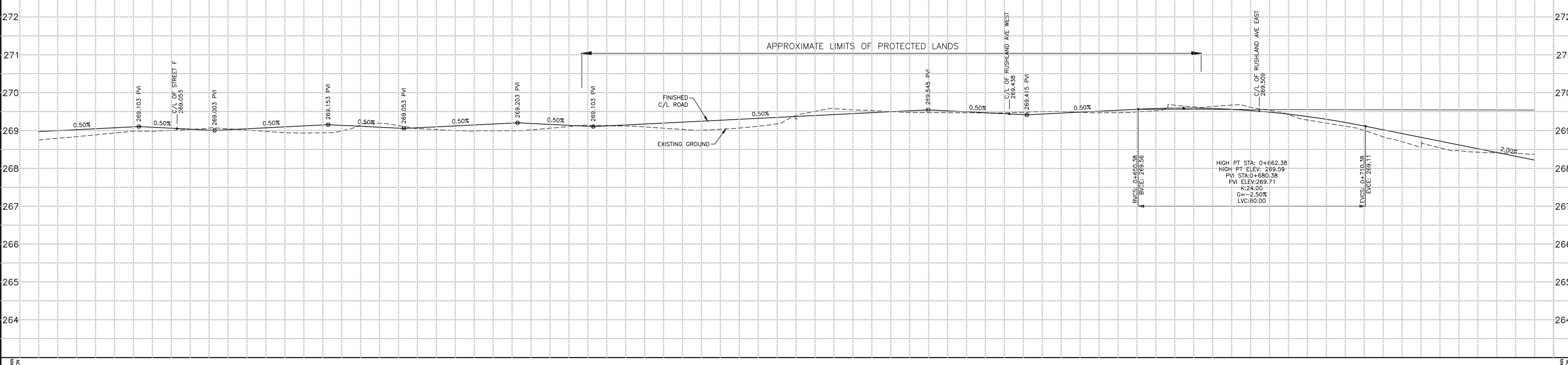
PLAN FILE No.

FILE: DEL19-009 - P&P.dwg



HOWLAND AVE & STREET A

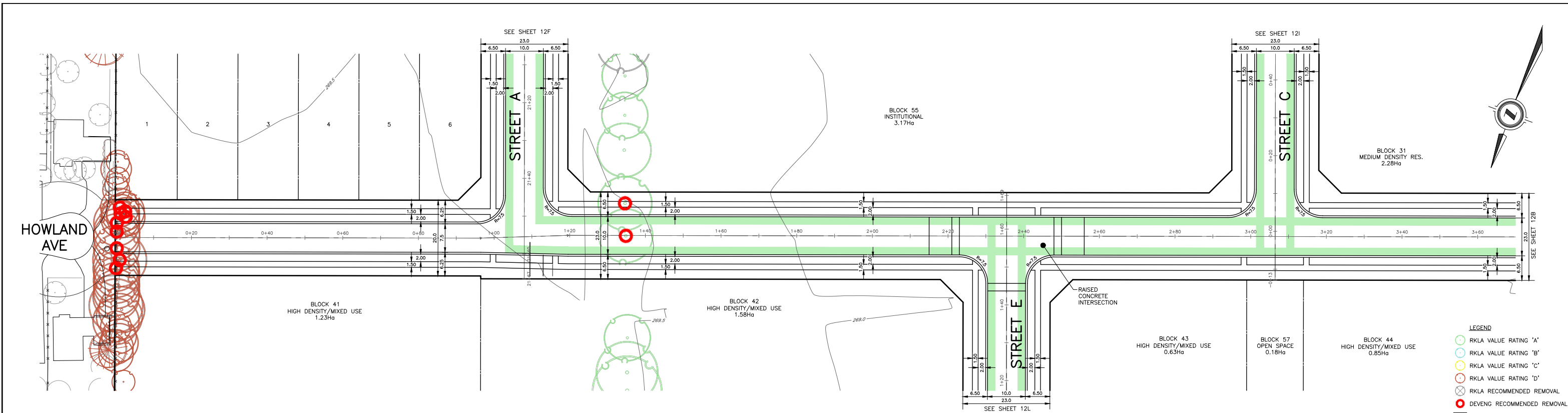
CURB AND GUTTER OPSD 600.040



STATION	0+375.00	0+390.00	0+405.00	0+420.00	0+435.00	0+450.00	0+465.00	0+480.00	0+495.00	0+510.00	0+525.00	0+540.00	0+555.00	0+570.00	0+585.00	0+600.00	0+615.00	0+630.00	0+645.00	0+660.00	0+675.00	0+690.00	0+705.00	0+720.00	0+735.00	0+750.00	STATION
C/A WATERMAIN ELEVATION																											
STORM SEWER INVERT																											
SANITARY SEWER INVERT																											

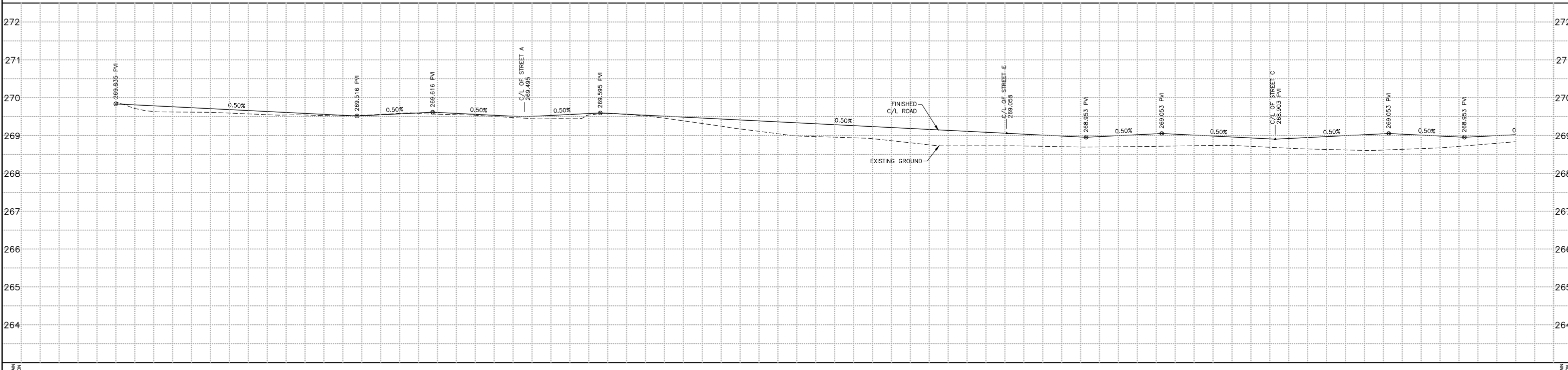
EXISTING SERVICES DRAWING #, SOURCE DATE AS CONSTRUCTED SERVICES COMPLETION DETAILS No. 1 REVISIONS ISSUED FOR FPR SUPPORT DATE OCT. 2022 CONSULTANT DEVENG CONSULTANT OR DIVISION London Office 41 Adelaide St. N., Unit 71 (519) 672-6310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441 FILE: DEL19-009 - P&P.DWG	<p>CONSULTING CIVIL ENGINEERS</p>	<p>PRELIMINARY</p> <p>DO NOT USE FOR CONSTRUCTION</p>	<p>SCALE</p> <p>HORIZONTAL - 1:500</p> <p>VERTICAL - 1:50</p> <p>NTS IF REDUCED FROM 22"x34"</p>	<p>TITLE</p> <p>LPH CAMPUS REDEVELOPMENT</p> <p>OLD OAK PROPERTIES</p> <p>HOWLAND AVENUE & STREET A</p> <p>FROM STA. 0+360 TO STA. 0+750</p>	<p>PROJECT No.</p> <p>DEL19-009</p> <p>SHEET No.</p> <p>12B</p> <p>PLAN FILE No.</p>
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HOWLAND AVE

CURB AND GUTTER OPSD 600.040



C/A WATERMAIN ELEVATION		STORM SEWER INVERT		SANITARY SEWER INVERT		STATION	
272						0+000.00	
271						0+015.00	
270						0+030.00	
269						0+045.00	
268						0+060.00	
267						0+075.00	
266						0+090.00	
265						0+105.00	
264						0+120.00	
						0+135.00	
						0+150.00	
						0+165.00	
						0+180.00	
						0+195.00	
						0+210.00	
						0+225.00	
						0+240.00	
						0+255.00	
						0+270.00	
						0+285.00	
						0+300.00	
						0+315.00	
						0+330.00	
						0+345.00	
						0+360.00	

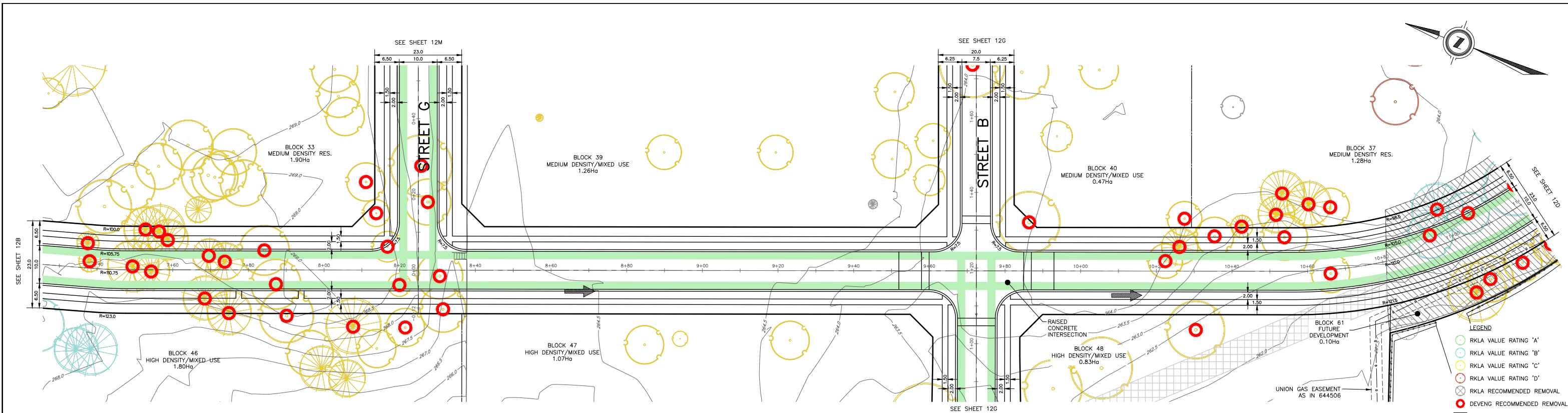
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					DESIGN BY RS/JB DRAWN BY RD CHECKED BY JB/RH F.B.K. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG

CONSULTANT OR DIVISION London Office 41 Adelaide St. N., Unit 71 (519) 672-6310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441	 CONSULTING CIVIL ENGINEERS	PRELIMINARY DO NOT USE FOR CONSTRUCTION	SCALE HORIZONTAL - 1:500 VERTICAL - 1:50 MTS IF REDUCED FROM 22"x34"
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TITLE LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES HOWLAND AVENUE FROM STA. 0+000 TO STA. 0+370	PROJECT No. DEL19-009 SHEET No. 12A PLAN FILE No.
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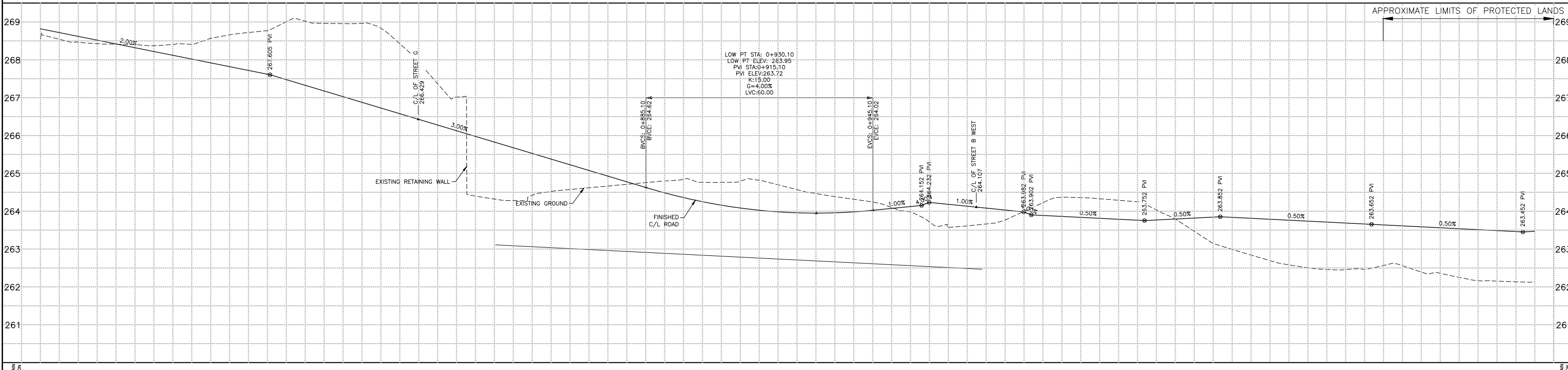
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FILE: DEL19-009 - P&P.DWG



STREET A

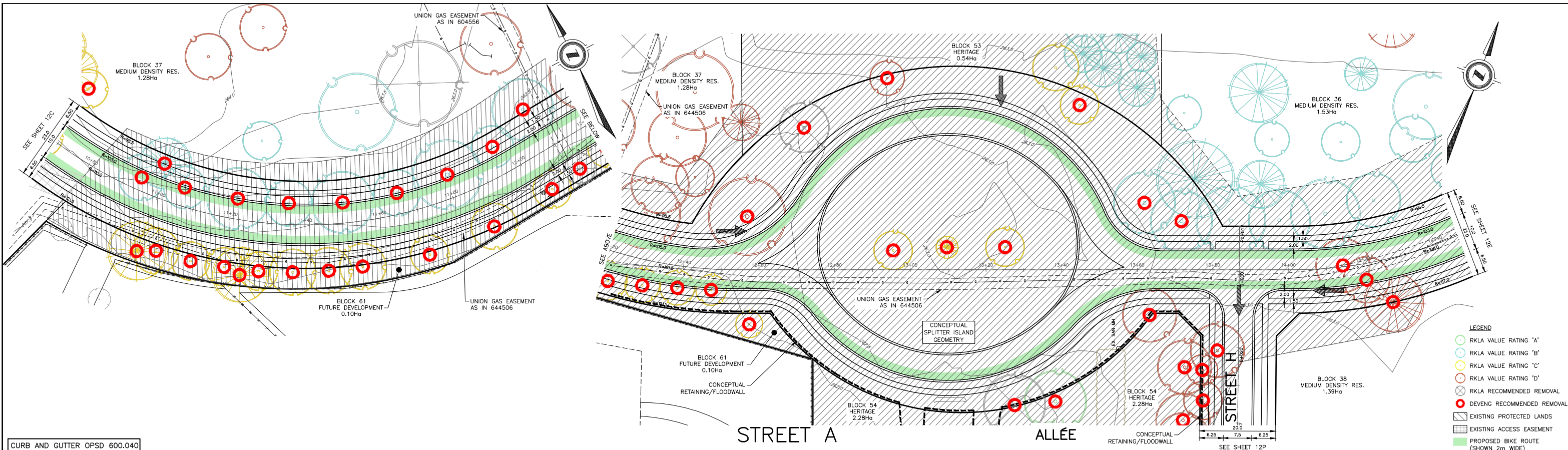
CURB AND GUTTER OPSD 600.040



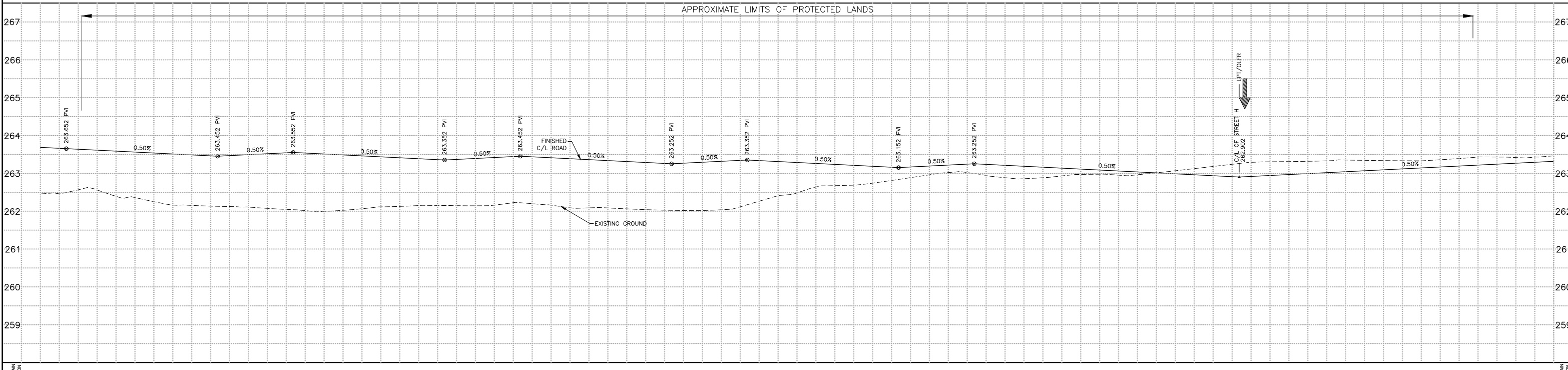
C/L WATERMAIN ELEVATION	269	268	267	266	265	264	263	262	261																	
STORM SEWER INVERT																										
SANITARY SEWER INVERT																										
STATION	0+735.00	0+750.00	0+765.00	0+780.00	0+795.00	0+810.00	0+825.00	0+840.00	0+855.00	0+870.00	0+885.00	0+900.00	0+915.00	0+930.00	0+945.00	0+960.00	0+975.00	0+990.00	1+005.00	1+020.00	1+035.00	1+050.00	1+065.00	1+080.00	1+095.00	1+110.00

<table border="1"> <tr> <th>EXISTING SERVICES</th> <th>DRAWING #, SOURCE</th> <th>DATE</th> <th>AS CONSTRUCTED SERVICES</th> <th>COMPLETION</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION						<table border="1"> <tr> <th>DETAILS</th> <th>No.</th> <th>REVISIONS</th> <th>DATE</th> <th>CONSULTANT</th> </tr> <tr> <td>DESIGN BY RD/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89</td> <td>1</td> <td>ISSUED FOR FPR SUPPORT</td> <td>OCT. 2022</td> <td>DEVENG</td> </tr> </table>	DETAILS	No.	REVISIONS	DATE	CONSULTANT	DESIGN BY RD/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG	<p>London Office 41 Adelaide St. N., Unit 71 (519) 672-8310</p> <p>Paris Office 31 Mechanic St., Unit 301 (519) 442-1441</p>	<p>CONSULTING CIVIL ENGINEERS</p>	<p>ENGINEER'S STAMP</p>	<p>PRELIMINARY DO NOT USE FOR CONSTRUCTION</p>	<p>SCALE</p> <p>HORIZONTAL - 1:500 VERTICAL - 1:50</p>	<p>TITLE</p> <p>LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES</p> <p>STREET A FROM STA. 0+725 TO STA. 1+110</p>	<p>PROJECT No. DEL19-009</p> <p>SHEET No. 12C</p> <p>PLAN FILE No.</p>
EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION																								
DETAILS	No.	REVISIONS	DATE	CONSULTANT																								
DESIGN BY RD/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG																								

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CURB AND GUTTER OPSD 600.040

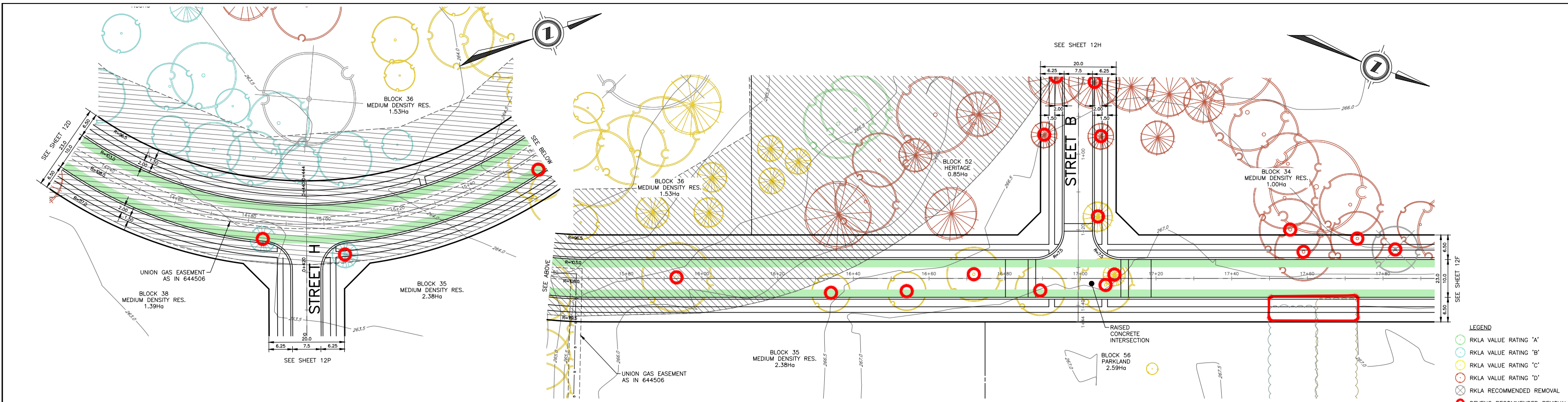


C/L WATERMAIN ELEVATION	267	266	265	264	263	262	261	260	259																
STATION	1+090.00	1+095.00	1+110.00	1+125.00	1+140.00	1+155.00	1+170.00	1+185.00	1+200.00	1+215.00	1+230.00	1+245.00	1+260.00	1+275.00	1+290.00	1+305.00	1+320.00	1+335.00	1+350.00	1+365.00	1+380.00	1+395.00	1+410.00	1+425.00	1+440.00

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.
					DESIGN BY RD/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG	London Office 41 Adelaide St. N., Unit 71 (519) 672-8310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441	development engineering (London) Limited CONSULTING CIVIL ENGINEERS	HORIZONTAL - 1:500 5 0 10m VERTICAL - 1:50 0.5 0 1m NTS IF REDUCED FROM 22"x34"	LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES STREET A FROM STA. 1+070 TO STA. 1+440	DEL19-009 SHEET No. 12D PLAN FILE No.

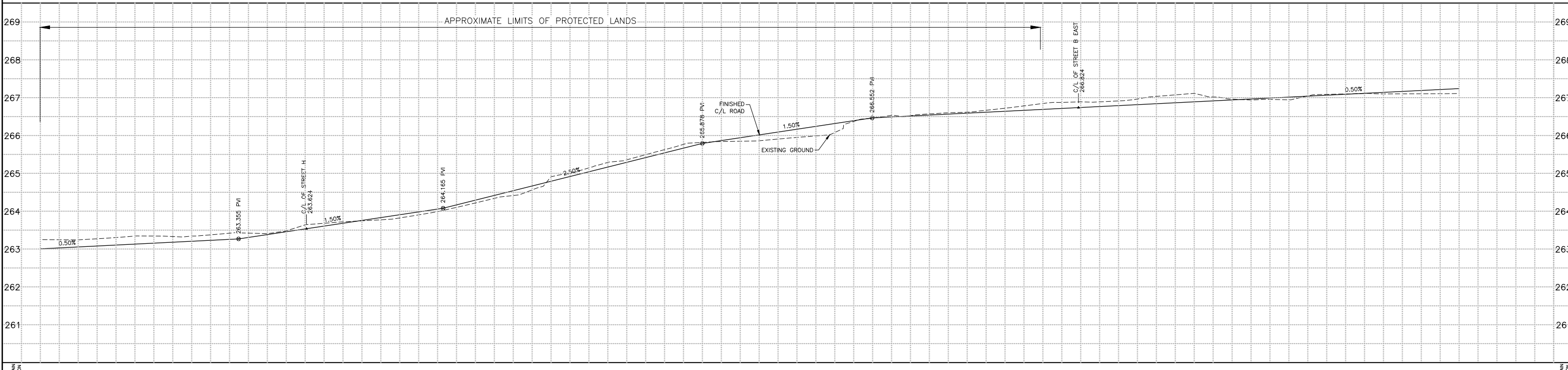
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CURB AND GUTTER OPSD 600.040

STREET A



EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.
					DESIGN BY RD/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG	London Office 41 Adelaide St. N., Unit 71 (519) 672-8310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441	development engineering (London) Limited CONSULTING CIVIL ENGINEERS	HORIZONTAL - 1:500 VERTICAL - 1:50	LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES STREET A FROM STA. 1+425 TO STA. 1+800	DEL19-009 SHEET No. 12E PLAN FILE No.

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

SCALE

HORIZONTAL - 1:500

VERTICAL - 1:50

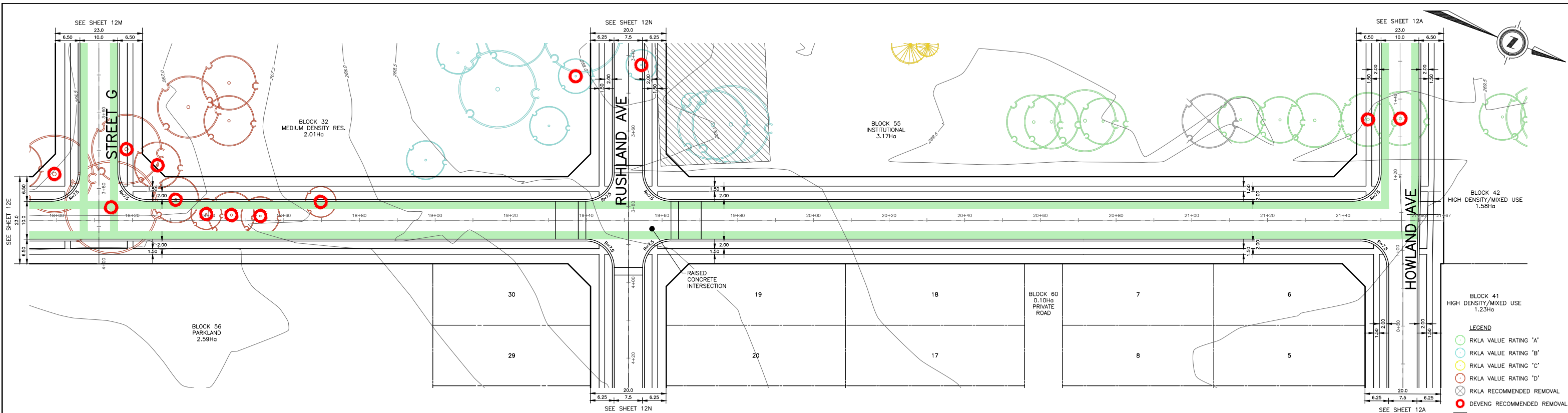
PROJECT No. **DEL19-009**

SHEET No. **12E**

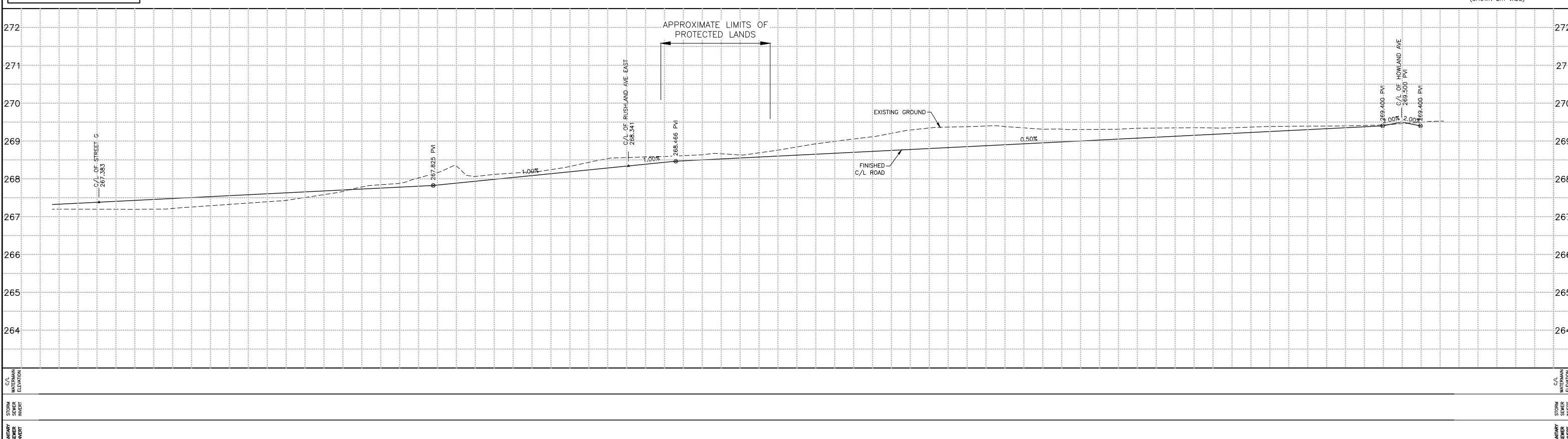
PLAN FILE No.

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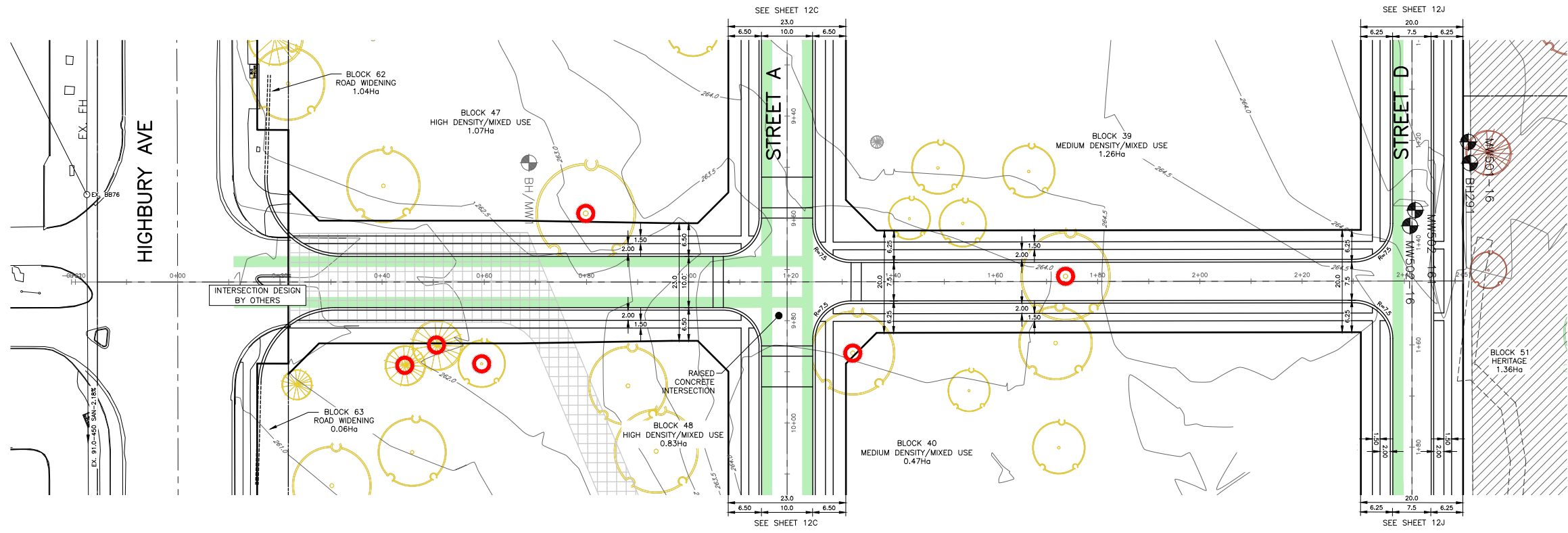
HOWLAND AVE



<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>STATION</th> <td>1+800.00</td> <td>1+815.00</td> <td>1+830.00</td> <td>1+845.00</td> <td>1+860.00</td> <td>1+875.00</td> <td>1+890.00</td> <td>1+905.00</td> <td>1+920.00</td> <td>1+935.00</td> <td>1+950.00</td> <td>1+965.00</td> <td>1+980.00</td> <td>1+995.00</td> <td>2+010.00</td> <td>2+025.00</td> <td>2+040.00</td> <td>2+055.00</td> <td>2+070.00</td> <td>2+085.00</td> <td>2+100.00</td> <td>2+115.00</td> <td>2+130.00</td> <td>2+145.00</td> <td>2+160.00</td> </tr> <tr> <th>C/L WATERMAIN ELEVATION</th> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <th>STORM SEWER INVERT</th> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <th>SANITARY SEWER INVERT</th> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	STATION	1+800.00	1+815.00	1+830.00	1+845.00	1+860.00	1+875.00	1+890.00	1+905.00	1+920.00	1+935.00	1+950.00	1+965.00	1+980.00	1+995.00	2+010.00	2+025.00	2+040.00	2+055.00	2+070.00	2+085.00	2+100.00	2+115.00	2+130.00	2+145.00	2+160.00	C/L WATERMAIN ELEVATION																										STORM SEWER INVERT																										SANITARY SEWER INVERT																										<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>EXISTING SERVICES</th> <th>DRAWING #, SOURCE</th> <th>DATE</th> <th>AS CONSTRUCTED SERVICES</th> <th>COMPLETION</th> <th>DETAILS</th> <th>No.</th> <th>REVISIONS</th> <th>DATE</th> <th>CONSULTANT</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>DESIGN BY RS/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89</td> <td>1</td> <td>ISSUED FOR FPR SUPPORT</td> <td>OCT. 2022</td> <td>DEVENG</td> </tr> </table>	EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT						DESIGN BY RS/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>CONSULTANT OR DIVISION</th> <th>ENGINEER'S STAMP</th> </tr> <tr> <td> London Office 41 Adelaide St. N., Unit 71 (519) 672-8310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441 </td> <td style="text-align: center;"> CONSULTING CIVIL ENGINEERS </td> </tr> </table>	CONSULTANT OR DIVISION	ENGINEER'S STAMP	London Office 41 Adelaide St. N., Unit 71 (519) 672-8310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441	 CONSULTING CIVIL ENGINEERS	<p style="font-size: 2em; font-weight: bold;">PRELIMINARY</p> <p>DO NOT USE FOR CONSTRUCTION</p>	<p>SCALE</p> <p>HORIZONTAL - 1:500 </p> <p>VERTICAL - 1:50 </p> <p>NTS IF REDUCED FROM 22"x34"</p>	<p>TITLE</p> <p style="text-align: center;">LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES</p> <p style="text-align: center;">STREET A FROM STA. 1+800 TO STA. 2+167</p>	<p>PROJECT No.</p> <p style="font-weight: bold;">DEL19-009</p> <p>SHEET No.</p> <p style="font-size: 2em; font-weight: bold;">12F</p> <p>PLAN FILE No.</p>
STATION	1+800.00	1+815.00	1+830.00	1+845.00	1+860.00	1+875.00	1+890.00	1+905.00	1+920.00	1+935.00	1+950.00	1+965.00	1+980.00	1+995.00	2+010.00	2+025.00	2+040.00	2+055.00	2+070.00	2+085.00	2+100.00	2+115.00	2+130.00	2+145.00	2+160.00																																																																																																													
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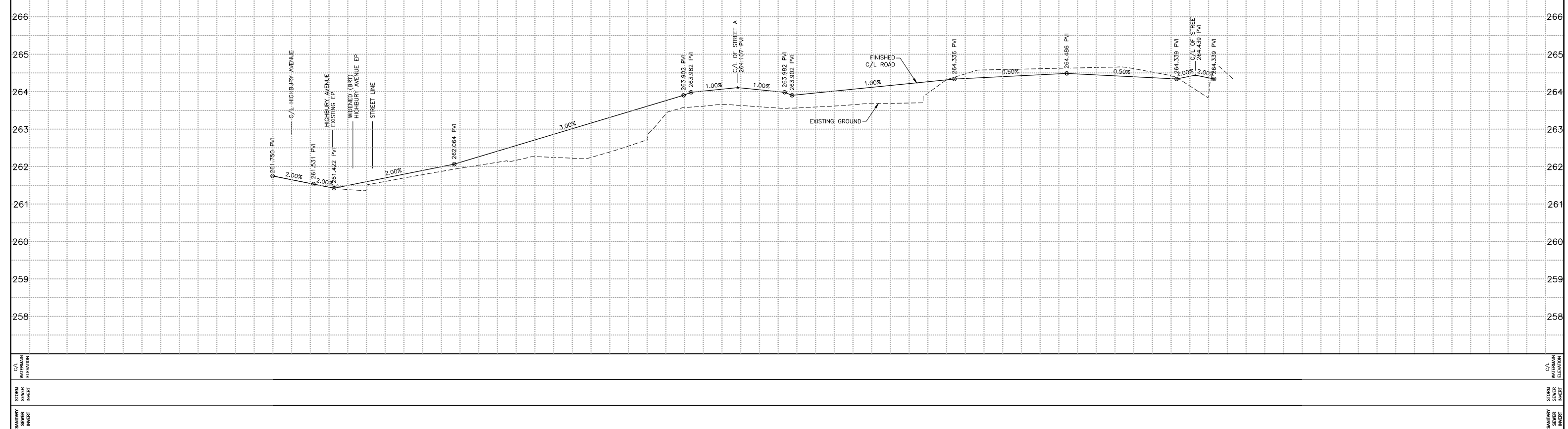
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- LEGEND**
- RKLA VALUE RATING 'A'
 - RKLA VALUE RATING 'B'
 - RKLA VALUE RATING 'C'
 - RKLA VALUE RATING 'D'
 - ⊗ RKLA RECOMMENDED REMOVAL
 - ⊙ DEVENG RECOMMENDED REMOVAL
 - EXISTING PROTECTED LANDS
 - EXISTING ACCESS EASEMENT
 - PROPOSED BIKE ROUTE (SHOWN 2m WIDE)

CURB AND GUTTER OPSD 600.040

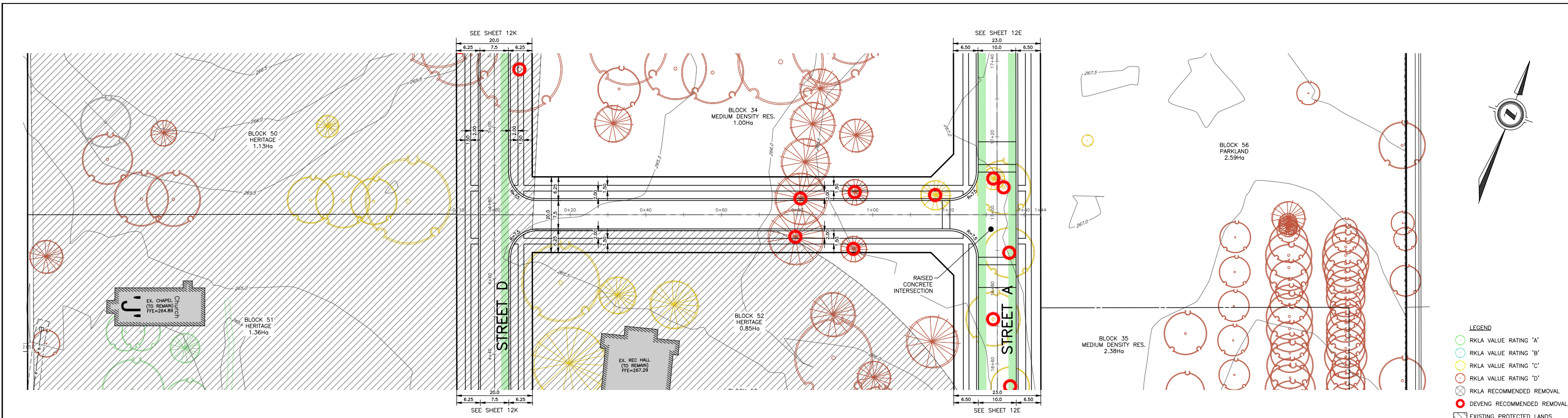
STREET B WEST



C/L WATERMAIN ELEVATION	266	265	264	263	262	261	260	259	258	C/L WATERMAIN ELEVATION	266	265	264	263	262	261	260	259	258	C/L WATERMAIN ELEVATION
STATION	0+000.00	0+015.00	0+030.00	0+045.00	0+060.00	0+075.00	0+090.00	0+105.00	0+120.00	0+135.00	0+150.00	0+165.00	0+180.00	0+195.00	0+210.00	0+225.00	0+240.00	0+255.00	0+270.00	STATION
EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.	SHEET No.	PLAN FILE No.				
					DESIGN BY RS/AB DRAWN BY RD CHECKED BY JB/RH F.B.K. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG	London Office 41 Adelaide St. N., Unit 71 (519) 672-5310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441	development engineering (London) Limited CONSULTING CIVIL ENGINEERS	HORIZONTAL - 1:500 VERTICAL - 1:50 NTS IF REDUCED FROM 22"x34"	LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES STREET B WEST FROM STA. 0+000 TO STA. 0+251	DEL19-009	12G					

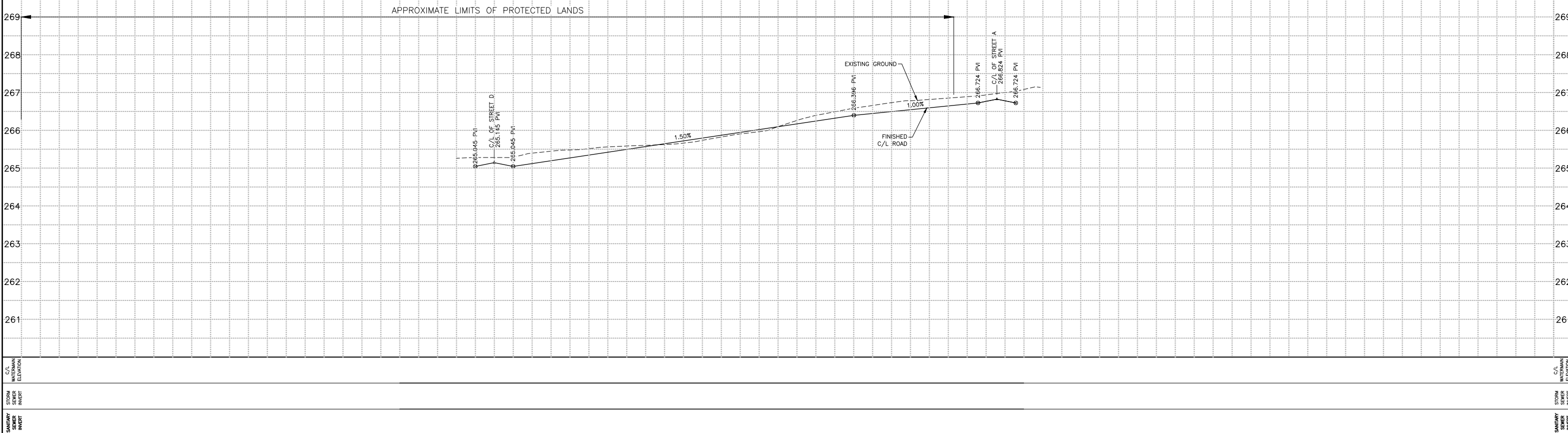
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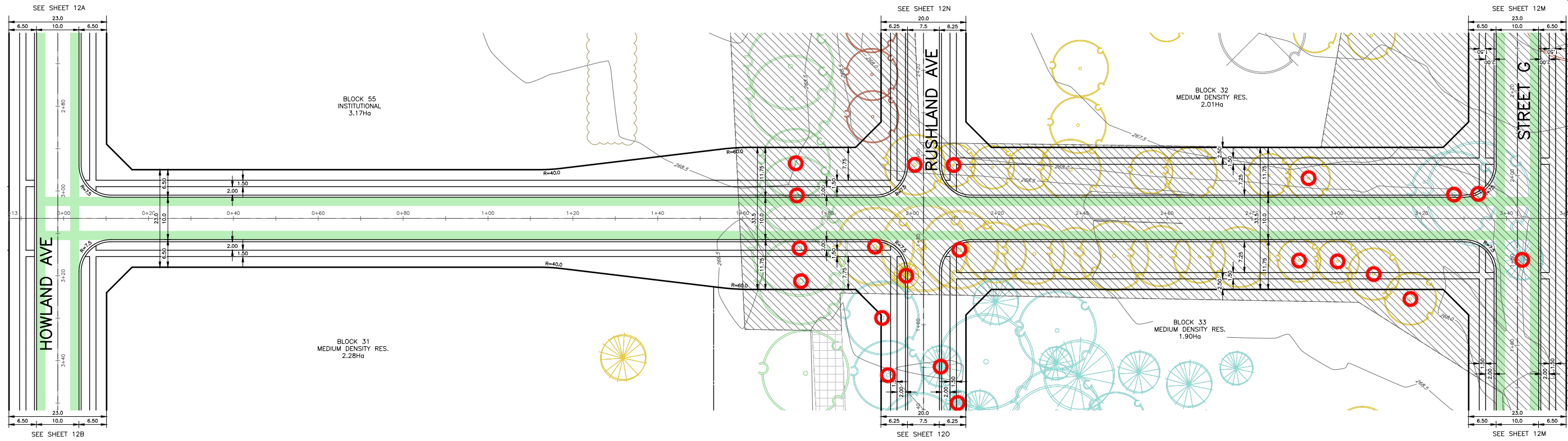
STREET B EAST

CURB AND GUTTER OPSD 600.040



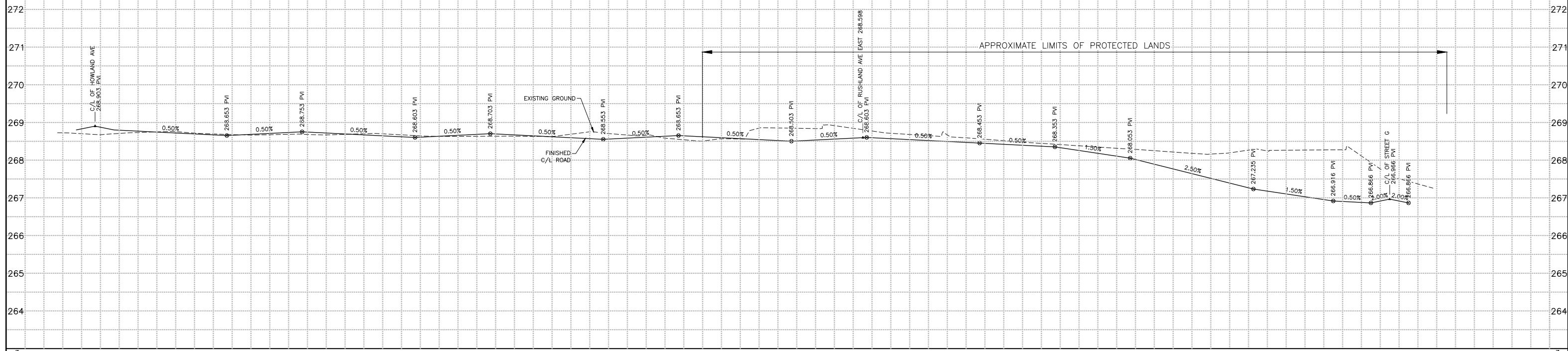
EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.
					DESIGN BY RS/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG	London Office 41 Adelaide St. N., Unit 71 (519) 672-8310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441	development engineering (London) Limited CONSULTING CIVIL ENGINEERS	HORIZONTAL - 1:500 VERTICAL - 1:50 NTS IF REDUCED FROM 22"x34"	LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES STREET B EAST FROM STA. 0+000 TO STA. 0+144	DEL19-009 SHEET No. 12H PLAN FILE No.

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CURB AND GUTTER OPSD 600.040

STREET C



C/L WATERMAIN ELEVATION	272	271	270	269	268	267	266	265	264																		
C/L WATERMAIN ELEVATION	272	271	270	269	268	267	266	265	264																		
STATION	0+000.00	0+015.00	0+030.00	0+045.00	0+060.00	0+075.00	0+090.00	0+105.00	0+120.00	0+135.00	0+150.00	0+165.00	0+180.00	0+195.00	0+210.00	0+225.00	0+240.00	0+255.00	0+270.00	0+285.00	0+300.00	0+315.00	0+330.00	0+345.00	0+360.00		
EXISTING SERVICES																											
DRAWING #, SOURCE																											
DATE																											
AS CONSTRUCTED SERVICES																											
COMPLETION																											
DETAILS																											
No.																											
REVISIONS																											
DATE																											
CONSULTANT																											
CONSULTANT OR DIVISION																											
ENGINEER'S STAMP																											
SCALE	HORIZONTAL - 1:500 VERTICAL - 1:50 MTS IF REDUCED FROM 22"x34"																										
TITLE	LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES STREET C FROM STA. 0+000 TO STA. 0+354																										
PROJECT No.	DEL19-009																										
SHEET No.	121																										
PLAN FILE No.																											

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FILE: DEL19-009 - P&P.DWG

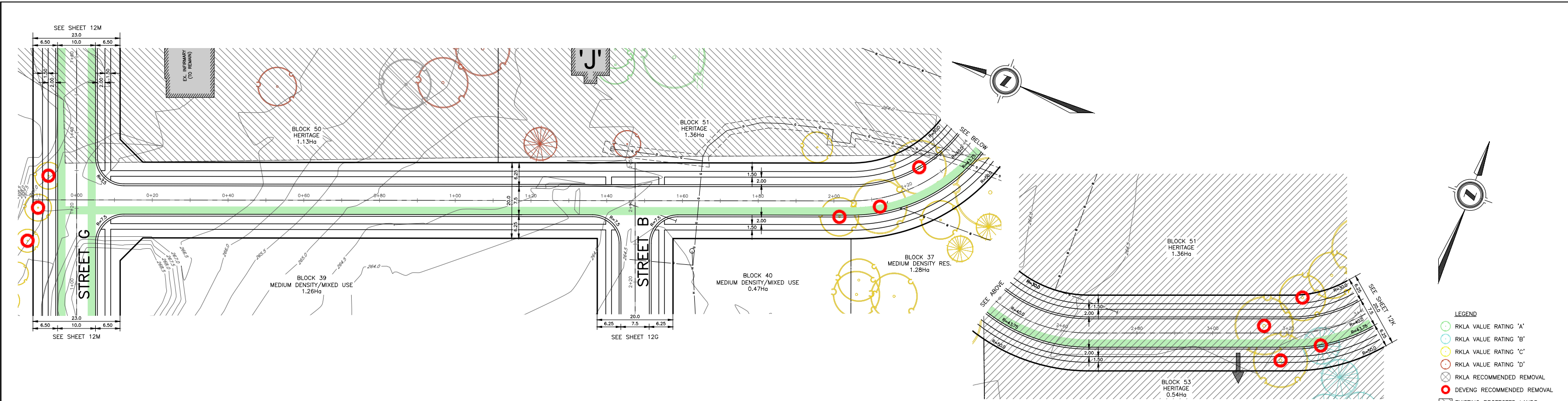
London Office
41 Adelaide St. N., Unit 71
(519) 672-6310

Paris Office
31 Mechanic St., Unit 301
(519) 442-1441



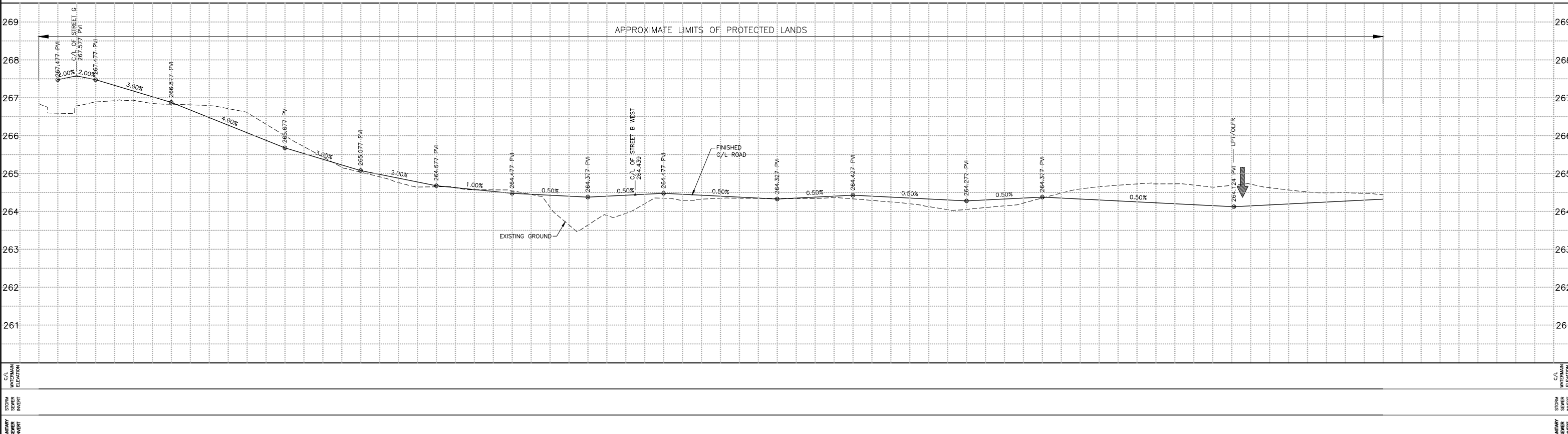
PRELIMINARY
DO NOT USE FOR CONSTRUCTION

PROJECT No. DEL19-009
SHEET No. 121
PLAN FILE No.



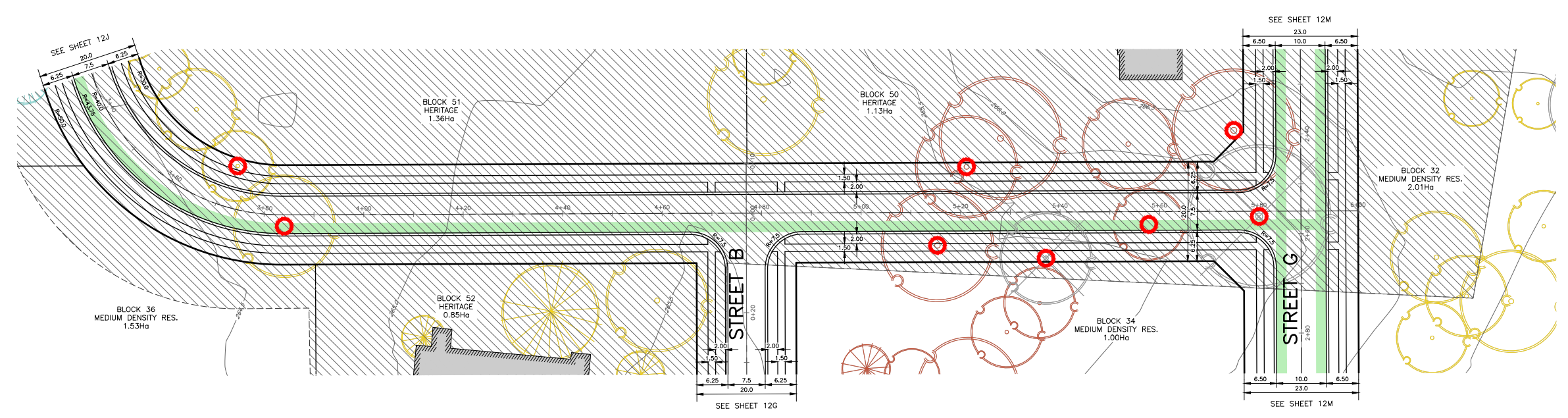
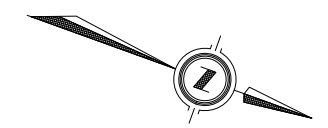
STREET D

CURB AND GUTTER OPSD 600.040



EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.
					DESIGN BY RS/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG	London Office 41 Adelaide St. N., Unit 71 (519) 672-8310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441	development engineering (London) Limited CONSULTING CIVIL ENGINEERS	HORIZONTAL - 1:500 VERTICAL - 1:50 NTS IF REDUCED FROM 22"x34"	LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES STREET D FROM STA. 0+000 TO STA. 0+345	DEL19-009 SHEET No. 12J PLAN FILE No.

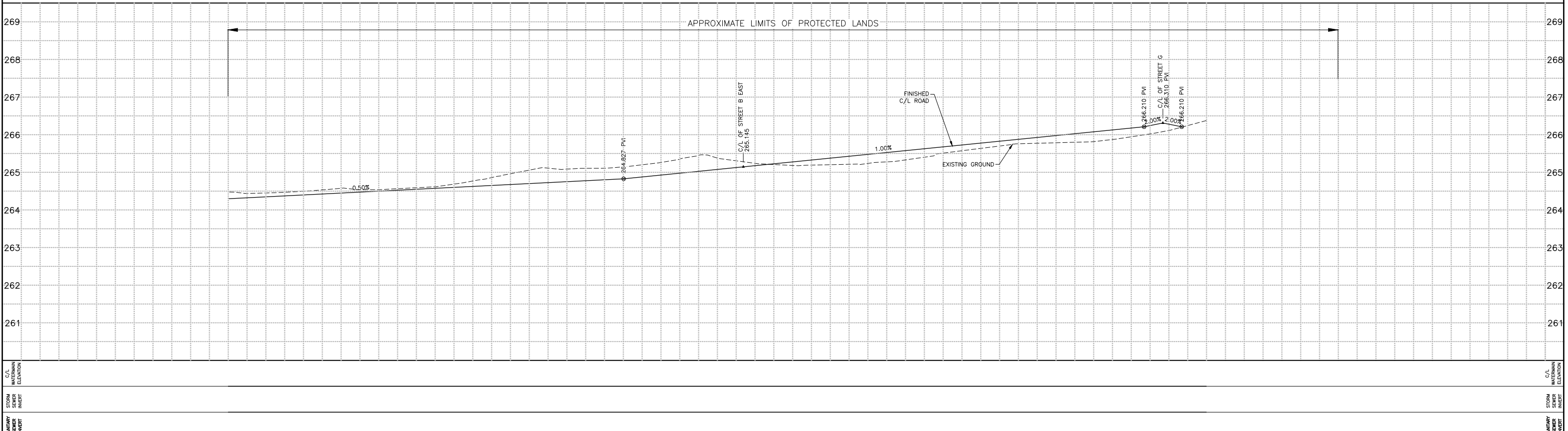
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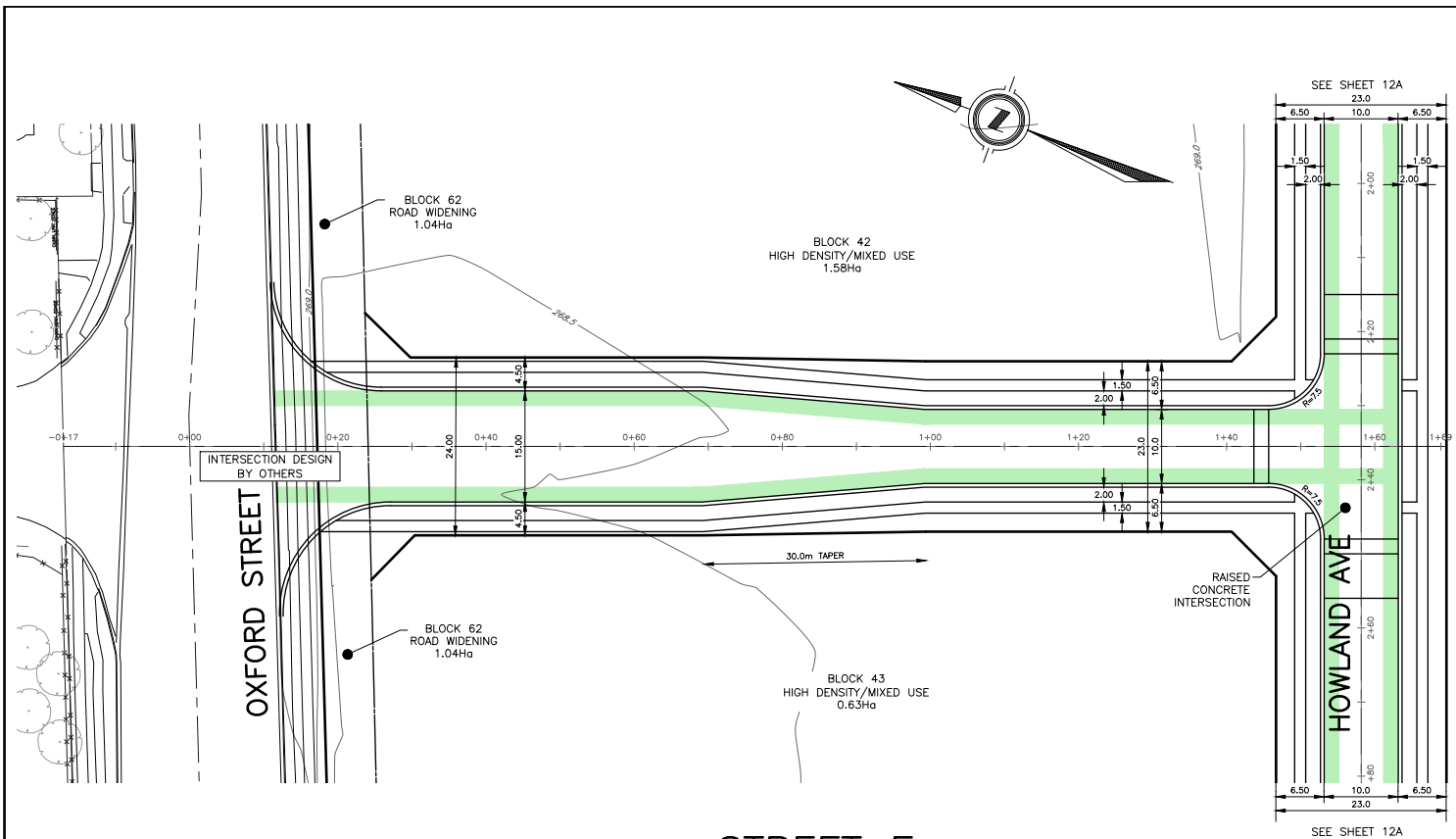
- LEGEND**
- RKLA VALUE RATING 'A'
 - RKLA VALUE RATING 'B'
 - RKLA VALUE RATING 'C'
 - RKLA VALUE RATING 'D'
 - ⊗ RKLA RECOMMENDED REMOVAL
 - DEVENG RECOMMENDED REMOVAL
 - EXISTING PROTECTED LANDS
 - EXISTING ACCESS EASEMENT
 - PROPOSED BIKE ROUTE (SHOWN 2m WIDE)

CURB AND GUTTER OPSD 600.040

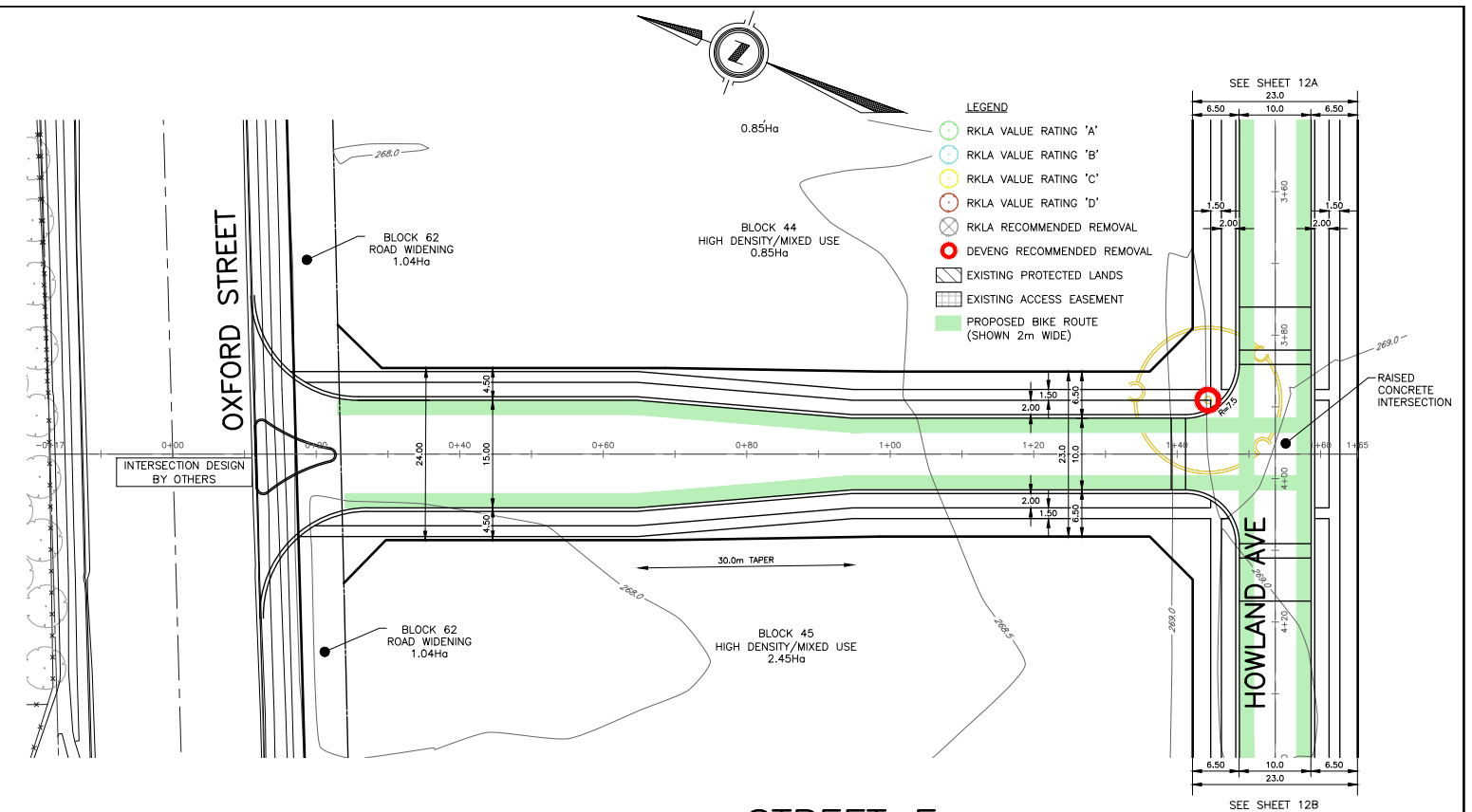
STREET D



C/L WATERMAIN ELEVATION	269	268	267	266	265	264	263	262	261	C/L WATERMAIN ELEVATION	269	268	267	266	265	264	263	262	261	C/L WATERMAIN ELEVATION																		
STATION	0+345.00	0+360.00	0+375.00	0+390.00	0+405.00	0+420.00	0+435.00	0+450.00	0+465.00	0+480.00	0+495.00	0+510.00	0+525.00	0+540.00	0+555.00	0+570.00	0+585.00	0+600.00	STATION	0+345.00	0+360.00	0+375.00	0+390.00	0+405.00	0+420.00	0+435.00	0+450.00	0+465.00	0+480.00	0+495.00	0+510.00	0+525.00	0+540.00	0+555.00	0+570.00	0+585.00	0+600.00	STATION
EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>PRELIMINARY</p> <p>DO NOT USE FOR CONSTRUCTION</p> </div> <div style="text-align: center;"> <p>development engineering</p> <p>(London) Limited</p> <p>CONSULTING CIVIL ENGINEERS</p> </div> <div style="text-align: center;"> <p>London Office 41 Adelaide St. N., Unit 71 (519) 672-8310</p> <p>Paris Office 31 Mechanic St., Unit 301 (519) 442-1441</p> </div> </div>																SCALE	TITLE	PROJECT No.								
											<p>HORIZONTAL - 1:500</p> <p>VERTICAL - 1:50</p> <p>NTS IF REDUCED FROM 22"x34"</p>	<p>LPH CAMPUS REDEVELOPMENT</p> <p>OLD OAK PROPERTIES</p> <p>STREET D</p> <p>FROM STA. 0+345 TO STA. 0+600</p>	<p>DEL19-009</p> <p>SHEET No.</p> <p>12K</p> <p>PLAN FILE No.</p>																									
											<p>DESIGN BY RS/JB DRAWN BY RD CHECKED BY JB/RH F.B.K. S-89</p> <p>ISSUED FOR FPR SUPPORT OCT. 2022 DEVENG</p> <p>FILE: DEL19-009 - P&P.DWG</p>																											

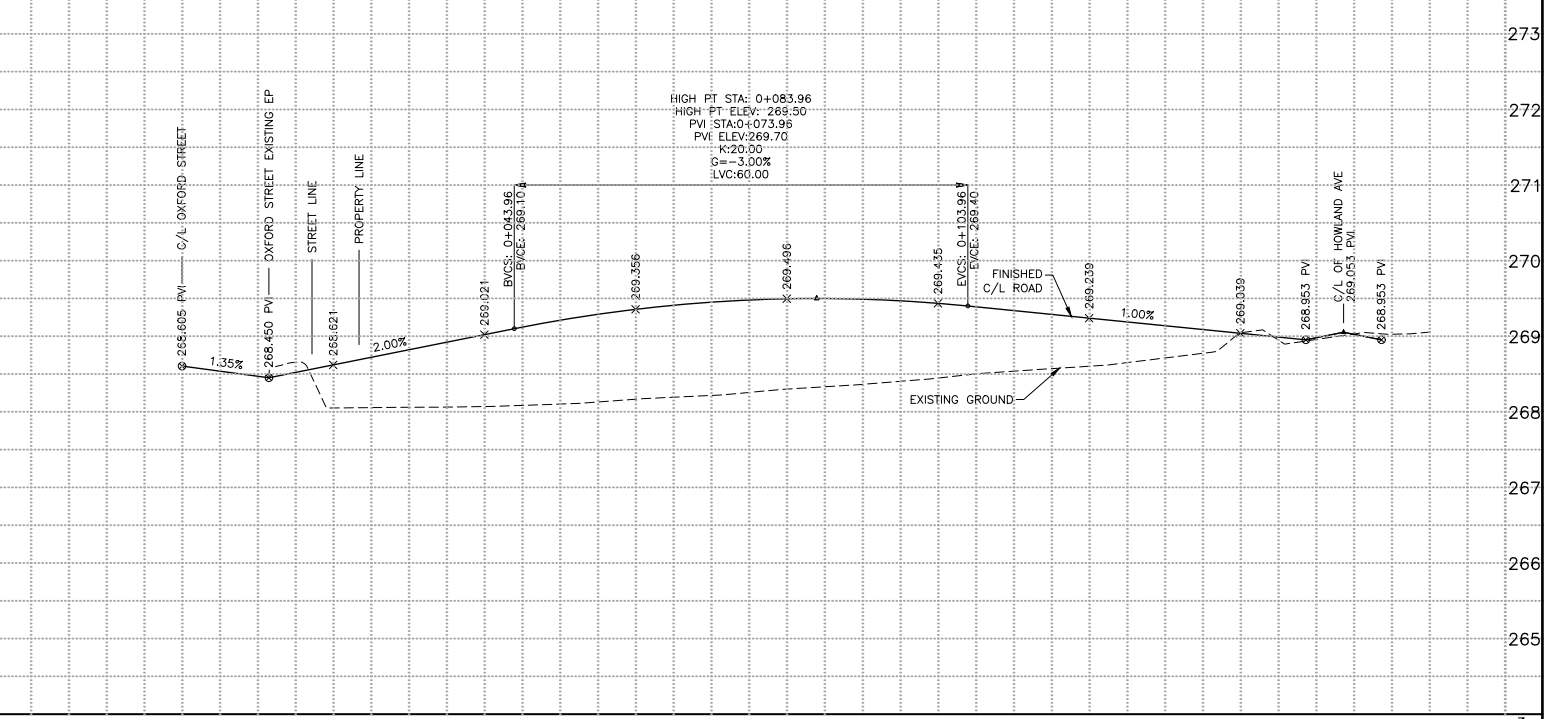
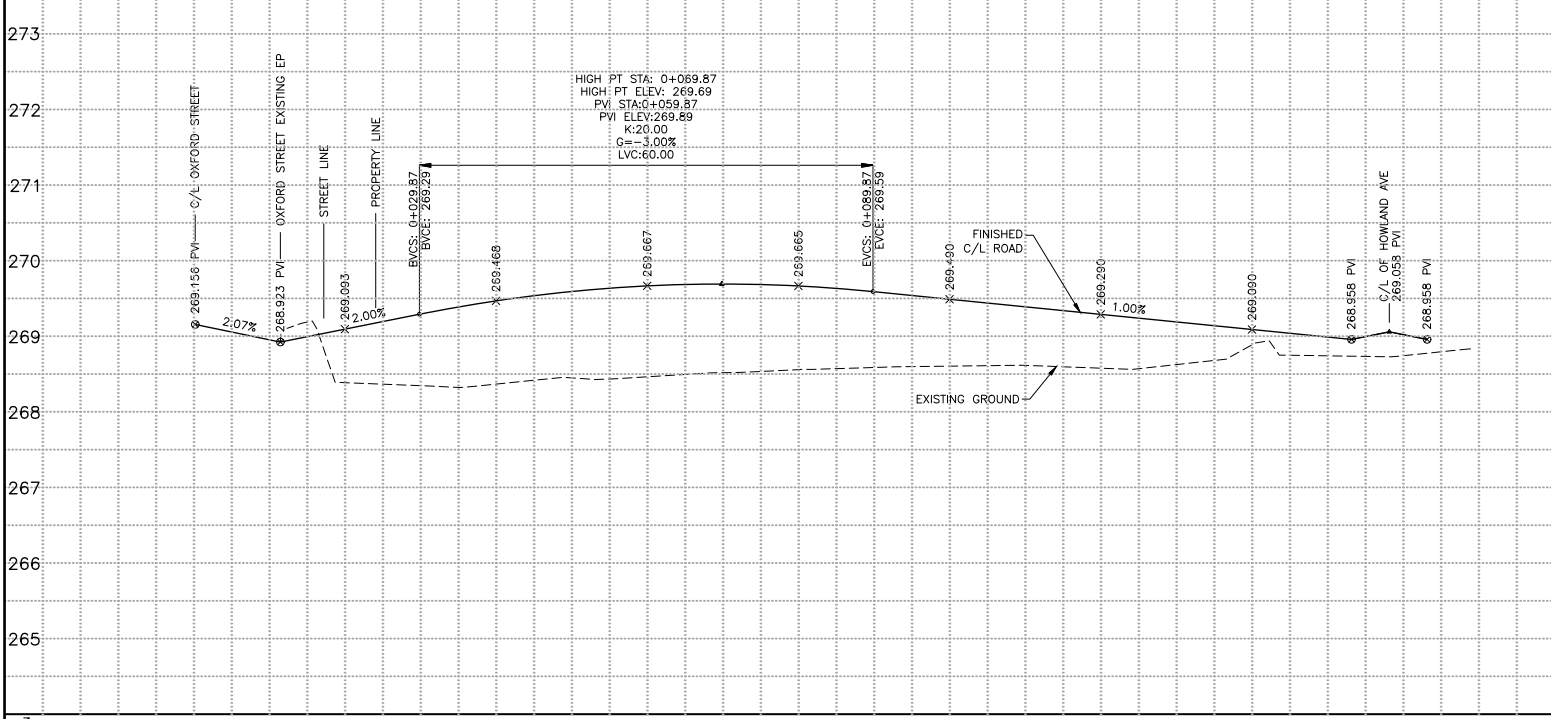


STREET E



STREET F

CURB AND GUTTER OPSD 600.040



C/L WATERMAIN ELEVATION	273	272	271	270	269	268	267	266	265			
STATION	0+000.00	0+015.00	0+030.00	0+045.00	0+060.00	0+075.00	0+090.00	0+105.00	0+120.00	0+135.00	0+150.00	0+165.00
EXISTING SERVICES												
DRAWING #, SOURCE												
DATE												
AS CONSTRUCTED SERVICES												
COMPLETION												
DETAILS												
No.	1											
REVISIONS	ISSUED FOR FPR SUPPORT											
DATE	OCT. 2022											
CONSULTANT	DEVENG											

DESIGN BY RS/JB
 DRAWN BY RD
 CHECKED BY JB/RH
 F.B.K. S-89

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development engineering
 (London) Limited
 CONSULTING CIVIL ENGINEERS

FILE: DEL19-009 - P&P.DWG

ENGINEER'S STAMP

PRELIMINARY
 DO NOT USE FOR CONSTRUCTION

SCALE
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 VERTICAL - 1:50
 NTS IF REDUCED FROM 22"x34"

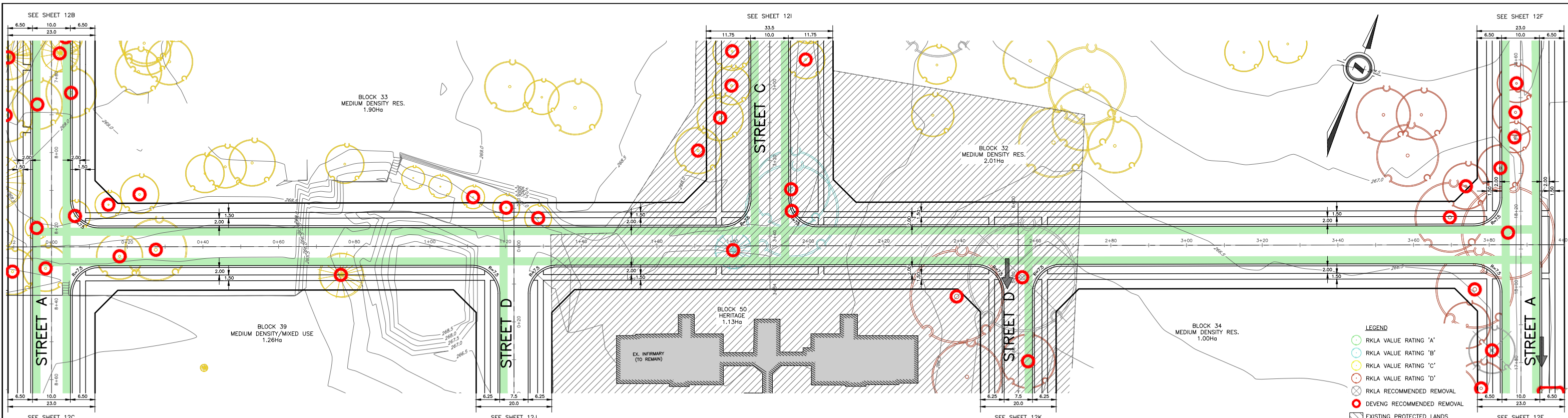
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LPH CAMPUS REDEVELOPMENT
 OLD OAK PROPERTIES
STREET E
 FROM STA. 0+000 TO STA. 0+170
STREET F
 FROM STA. 0+000 TO STA. 0+165

PROJECT No.
DEL19-009

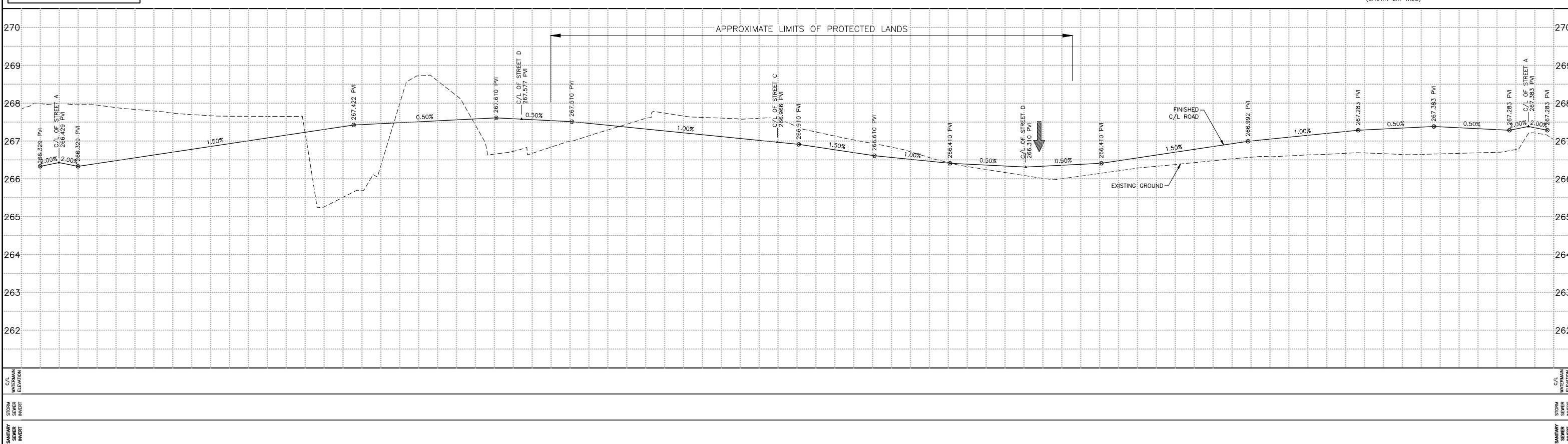
SHEET No.
12L

PLAN FILE No.

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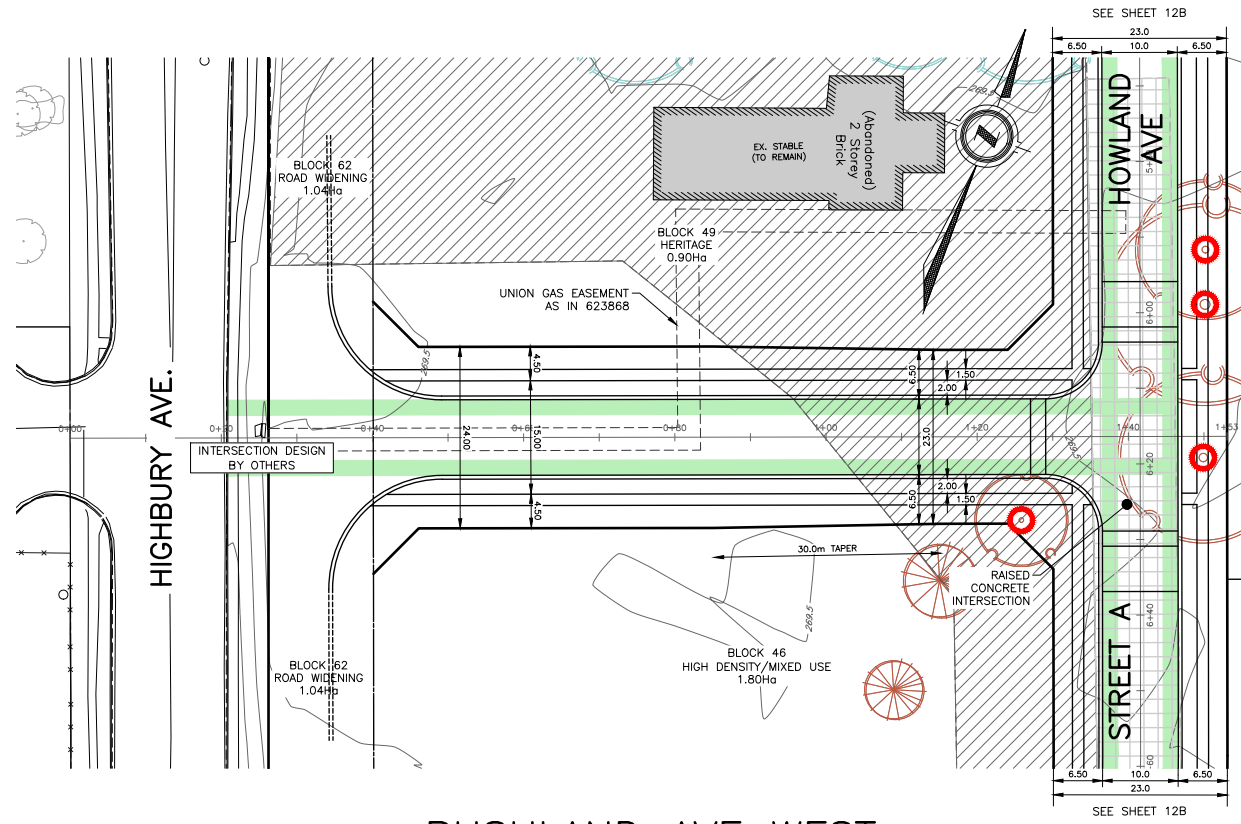
STREET G



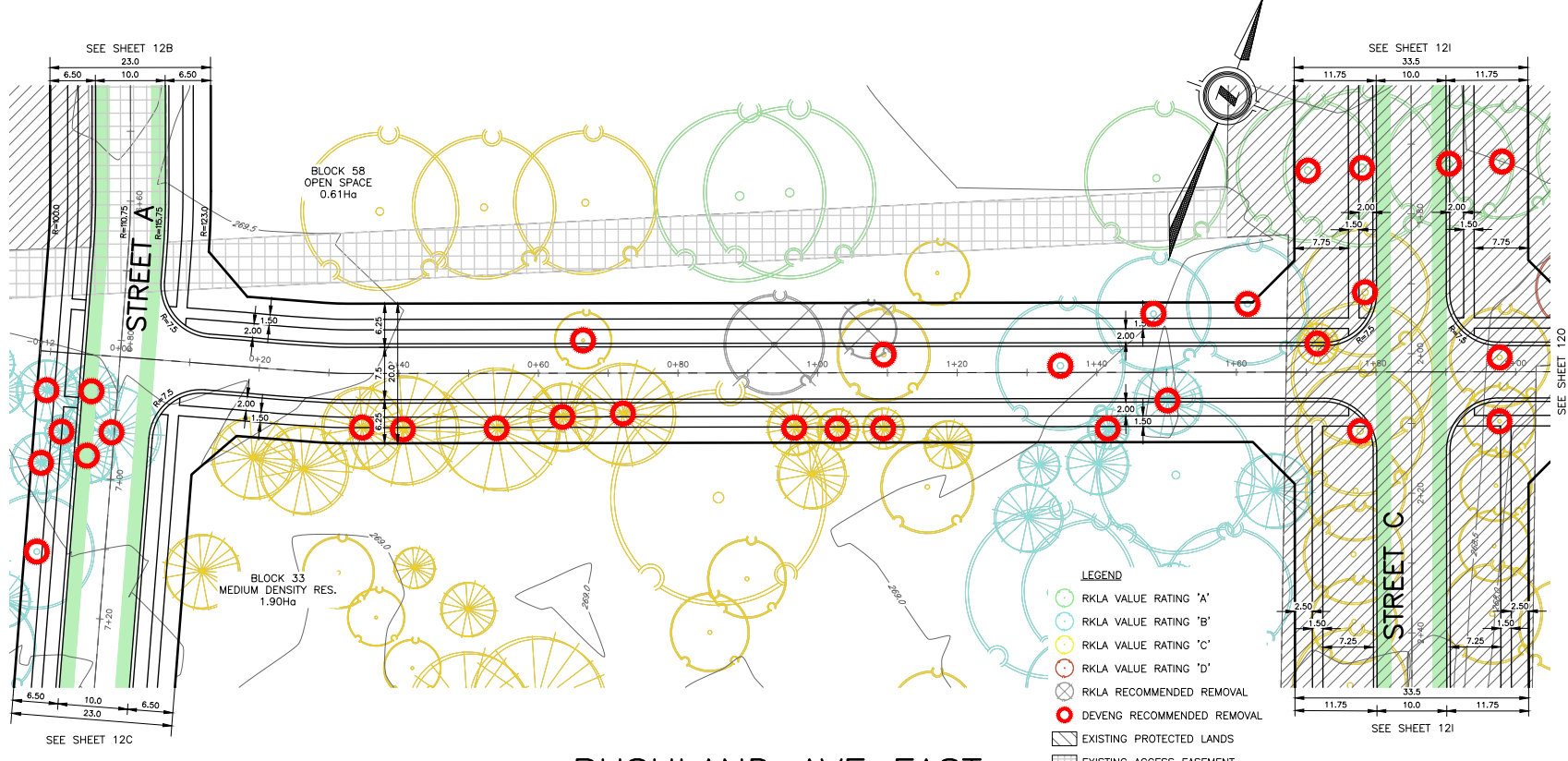
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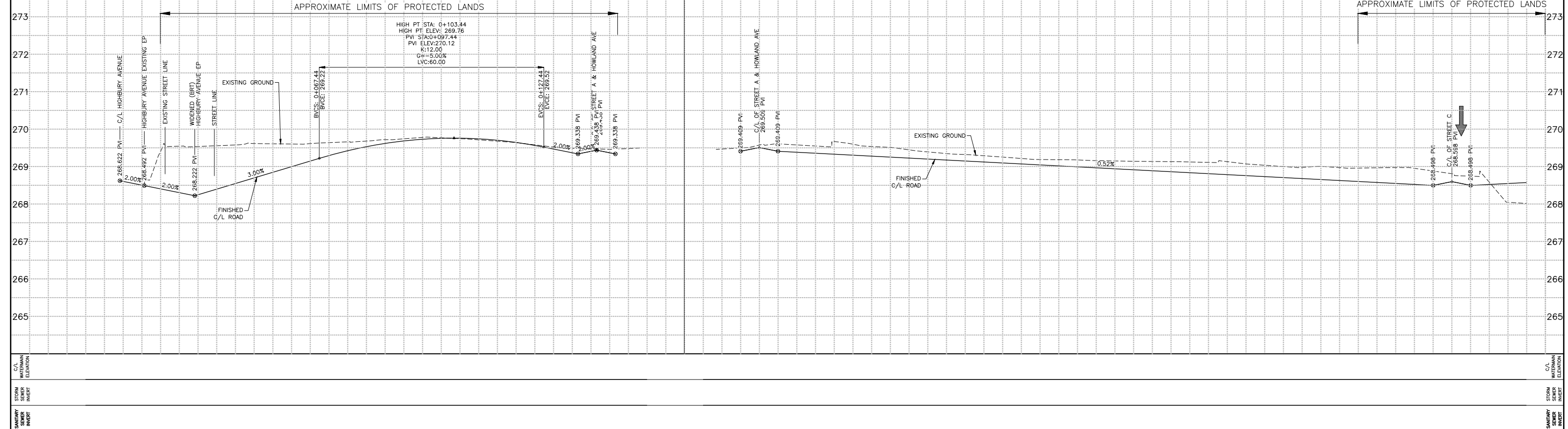


RUSHLAND AVE WEST



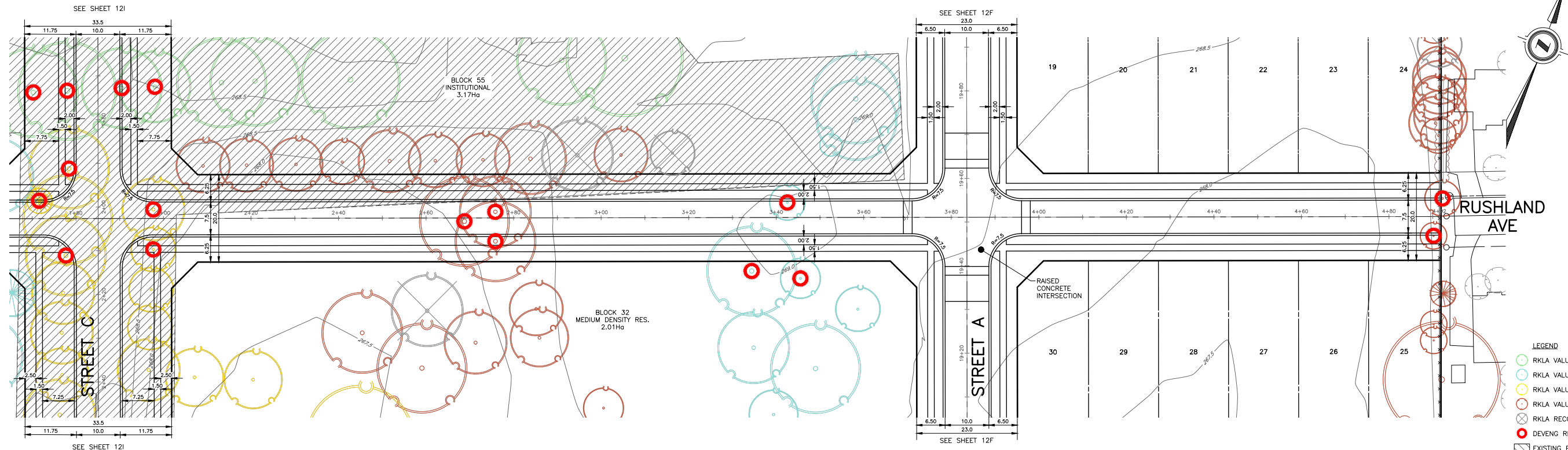
RUSHLAND AVE EAST

CURB AND GUTTER OPSD 600.040



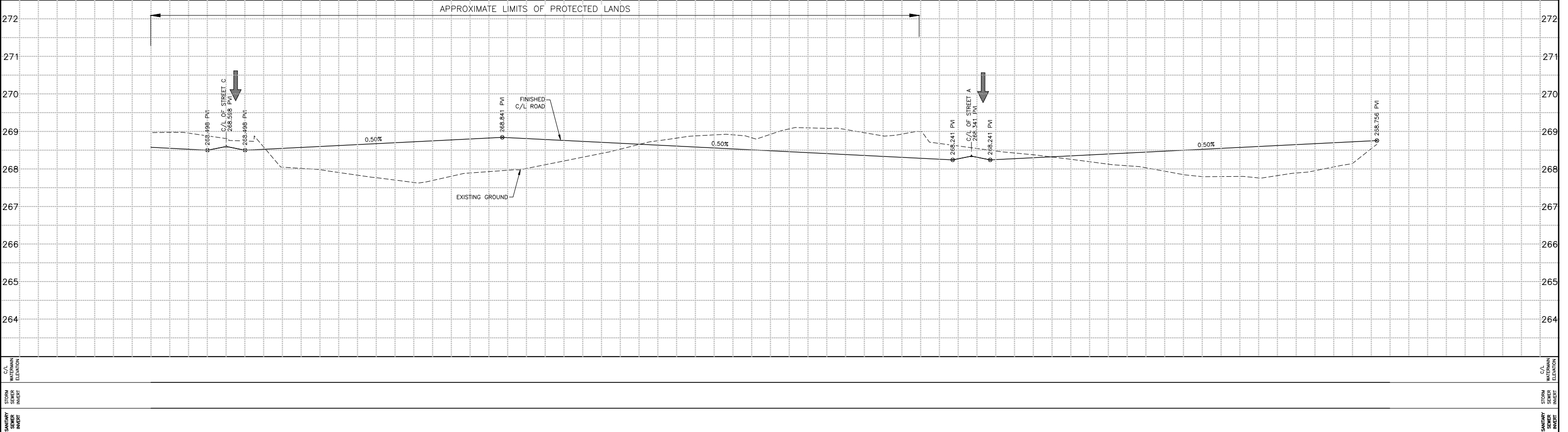
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265		0+015.00												DESIGN BY RS/JB		1		ISSUED FOR FPR SUPPORT		OCT. 2022		DEVENG		London Office 41 Adelaide St. N., Unit 71 (519) 672-6310		development engineering (London) Limited		HORIZONTAL - 1:500		LPH CAMPUS REDEVELOPMENT		DEL19-009	
266		0+030.00												DRAWN BY RD										Paris Office 31 Mechanic St., Unit 301 (519) 442-1441		CONSULTING CIVIL ENGINEERS		VERTICAL - 1:50		OLD OAK PROPERTIES		SHEET No.	
267		0+045.00												CHECKED BY JB/RH														RUSHLAND AVENUE WEST		FROM STA. 0+000 TO STA. 0+155		12N	
268		0+060.00												F.B.K. S-89														RUSHLAND AVENUE EAST		FROM STA. 0+000 TO STA. 0+205		PLAN FILE No.	
269		0+075.00												FILE: DEL19-009 - P&P.DWG																			
270		0+090.00																															
271		0+105.00																															
272		0+120.00																															
273		0+135.00																															

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RUSHLAND AVE EAST

CURB AND GUTTER OPSD 600.040



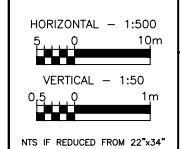
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EXISTING SERVICES																							
DRAWING #, SOURCE																							
DATE																							
AS CONSTRUCTED SERVICES																							
COMPLETION																							
DETAILS																							
No.																							
REVISIONS																							
DATE																							
CONSULTANT																							
CONSULTANT OR DIVISION																							
ENGINEER'S STAMP																							
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PROJECT No.	DEL19-009																						
SHEET No.	120																						
PLAN FILE No.																							

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PRELIMINARY
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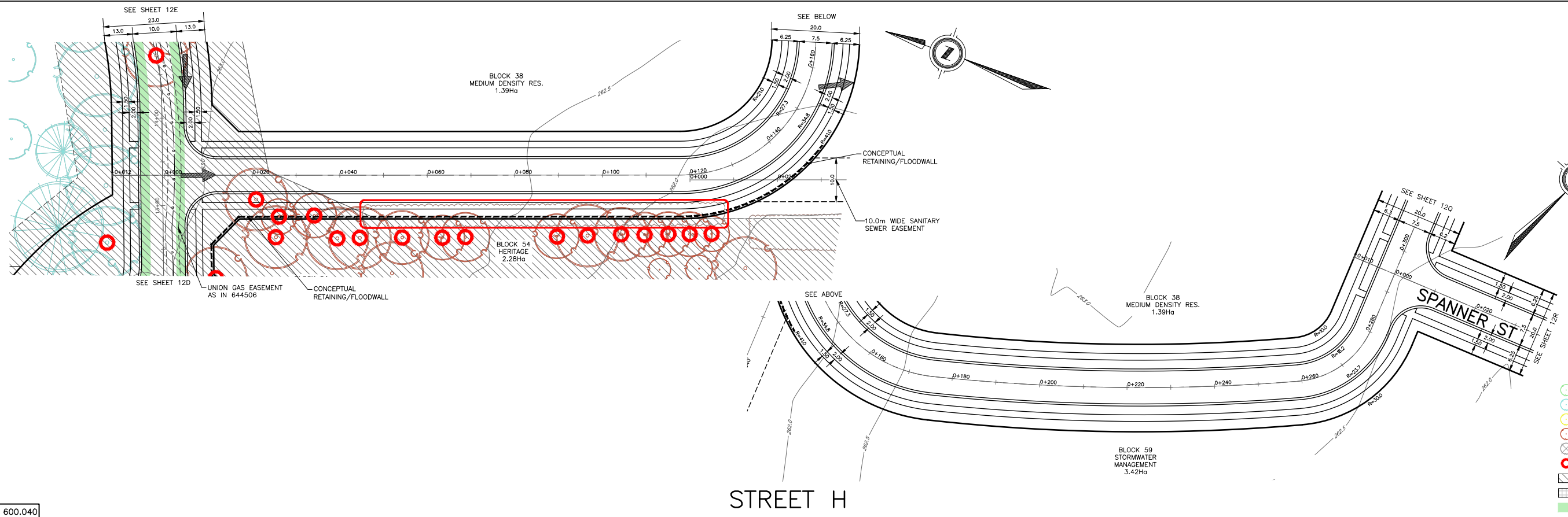


LPH CAMPUS REDEVELOPMENT
OLD OAK PROPERTIES
RUSHLAND AVENUE EAST
FROM STA. 0+180 TO STA. 0+492

PROJECT No.
DEL19-009

SHEET No.
120

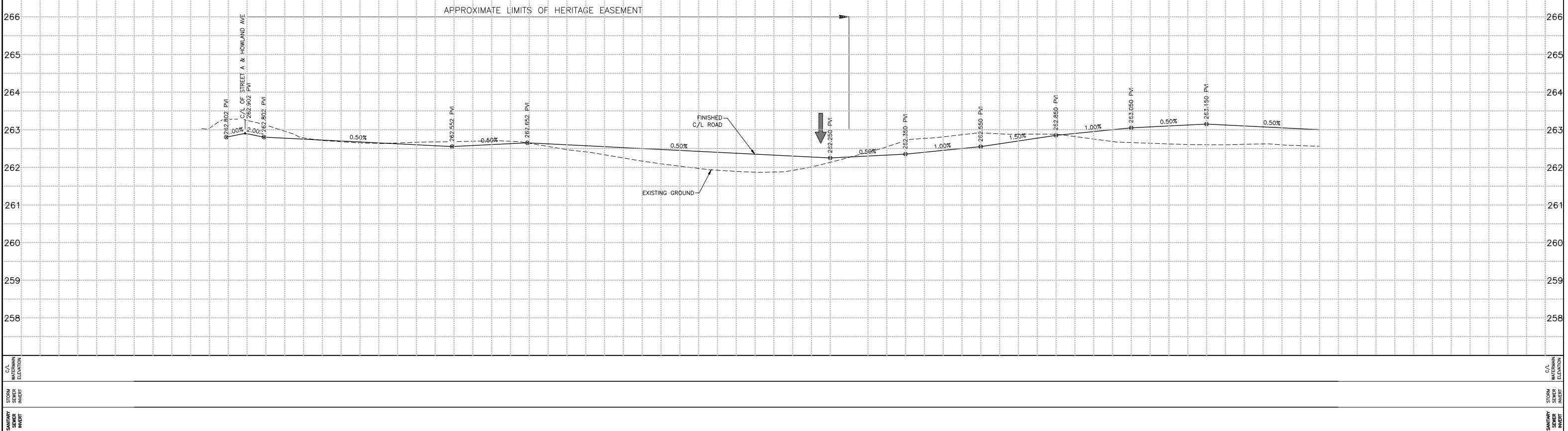
PLAN FILE No.


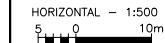
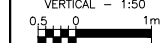


- LEGEND**
- RKLA VALUE RATING 'A'
 - RKLA VALUE RATING 'B'
 - RKLA VALUE RATING 'C'
 - RKLA VALUE RATING 'D'
 - ⊗ RKLA RECOMMENDED REMOVAL
 - DEVENG RECOMMENDED REMOVAL
 - EXISTING PROTECTED LANDS
 - EXISTING ACCESS EASEMENT
 - PROPOSED BIKE ROUTE (SHOWN 2m WIDE)

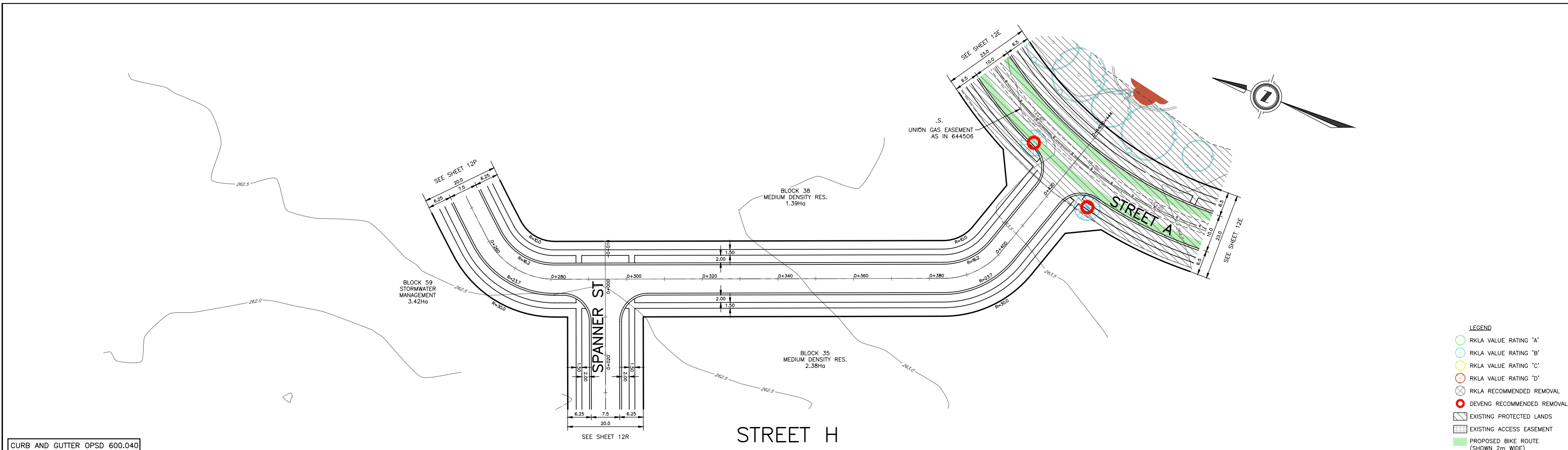
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STREET H



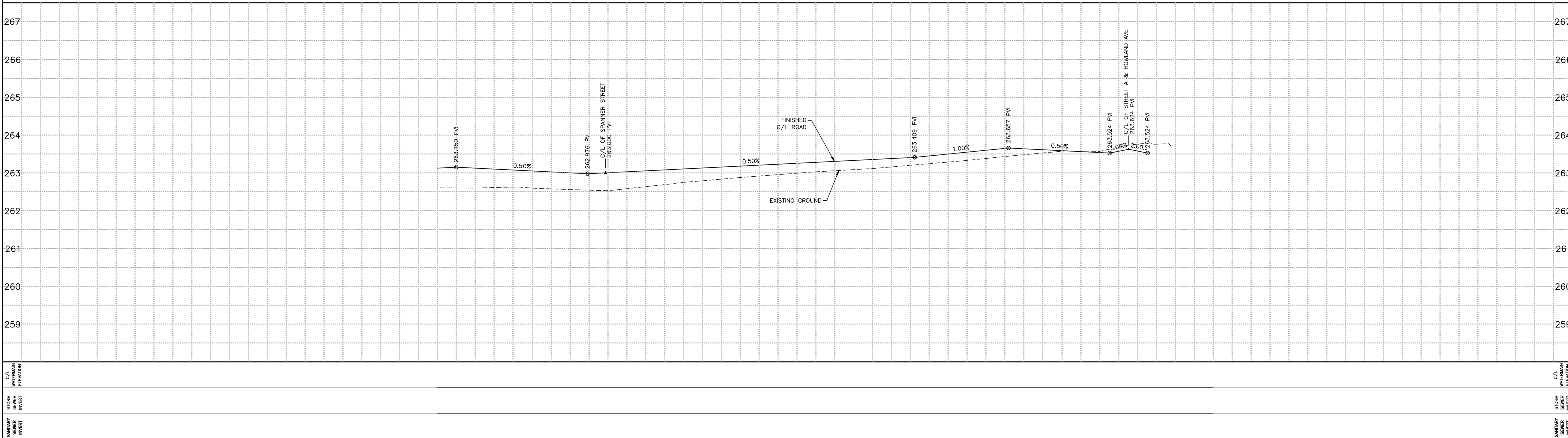
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C/L WATERMAIN ELEVATION																				
STORM SEWER INVERT																				
SANITARY SEWER INVERT																				
EXISTING SERVICES																				
DRAWING #, SOURCE																				
DATE																				
AS CONSTRUCTED SERVICES																				
COMPLETION																				
DETAILS	DESIGN BY RS/JB DRAWN BY RD CHECKED BY JB/RH F.B.K. S-89																			
No.	1																			
REVISIONS	ISSUED FOR FPR SUPPORT																			
DATE	OCT. 2022																			
CONSULTANT	DEVENG																			
CONSULTANT OR DIVISION	London Office 41 Adelaide St. N., Unit 71 (519) 672-8310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441																			
ENGINEER'S STAMP	 PRELIMINARY DO NOT USE FOR CONSTRUCTION																			
SCALE	HORIZONTAL - 1:500  VERTICAL - 1:50  NTS IF REDUCED FROM 22"x34"																			
TITLE	LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES STREET H FROM STA. 0+000 TO STA. 0+280																			
PROJECT No.	DEL19-009																			
SHEET No.	12P																			
PLAN FILE No.																				

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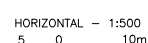
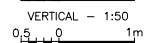
CURB AND GUTTER OPSD 600.040

- LEGEND**
- RKLA VALUE RATING 'A'
 - RKLA VALUE RATING 'B'
 - RKLA VALUE RATING 'C'
 - RKLA VALUE RATING 'D'
 - RKLA RECOMMENDED REMOVAL
 - DEVENG RECOMMENDED REMOVAL
 - EXISTING PROTECTED LANDS
 - EXISTING ACCESS EASEMENT
 - PROPOSED BIKE ROUTE (SHOWN 2m WIDE)



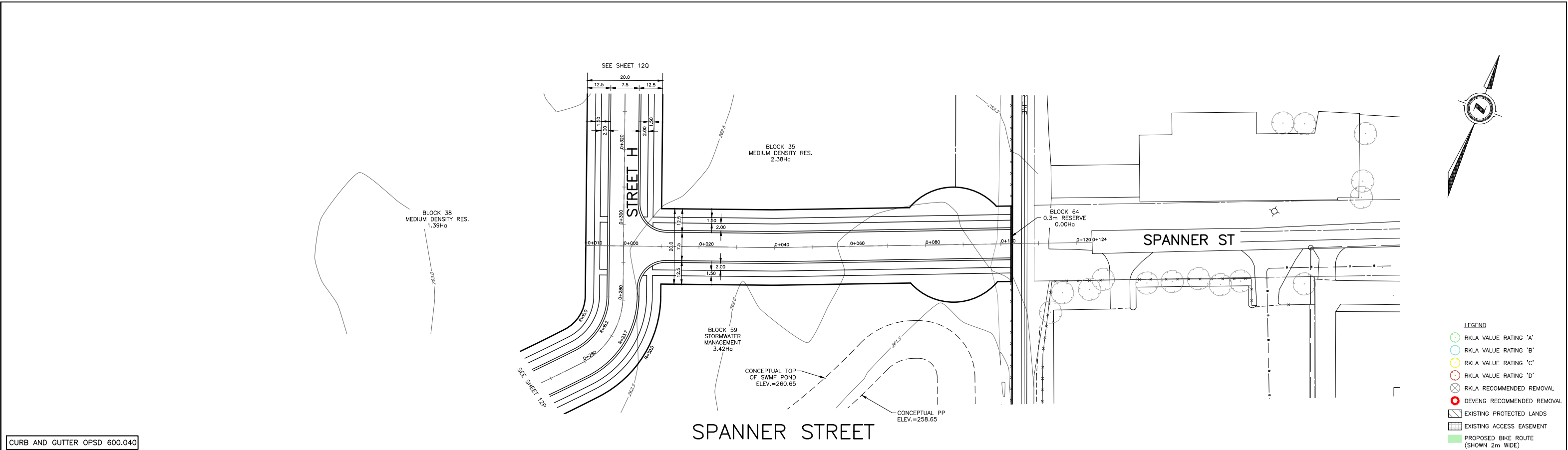
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267	0+255.00			0+300.00	267			0+450.00
266	0+270.00			0+315.00	266			
265	0+285.00			0+330.00	265			
264				0+345.00	264			
263				0+360.00	263			
262				0+375.00	262			
261				0+390.00	261			
260				0+405.00	260			
259				0+420.00	259			

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
					DESIGN BY RS/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG

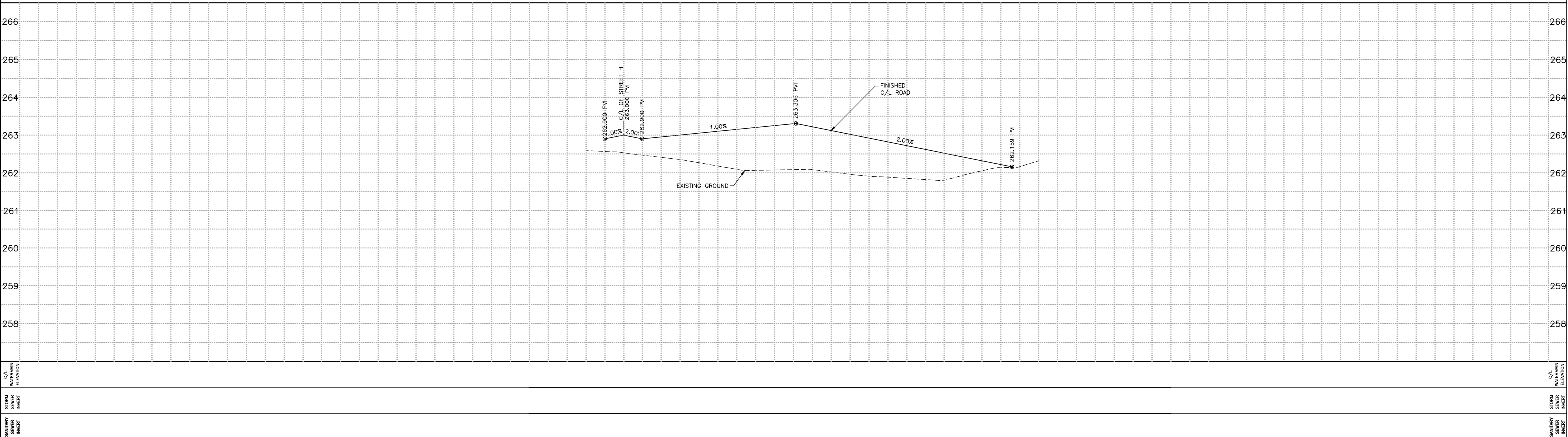
CONSULTANT OR DIVISION London Office 41 Adelaide St. N., Unit 71 (519) 672-8310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441	 CONSULTING CIVIL ENGINEERS	ENGINEER'S STAMP <div style="font-size: 2em; font-weight: bold;">PRELIMINARY</div> DO NOT USE FOR CONSTRUCTION	SCALE HORIZONTAL - 1:500  VERTICAL - 1:50  <small>NTS IF REDUCED FROM 22"x34"</small>	TITLE LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES STREET H FROM STA. 0+250 TO STA. 0+444	PROJECT No. DEL19-009 SHEET No. <div style="font-size: 1.5em; font-weight: bold;">12Q</div> PLAN FILE No.
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FILE: DEL19-009 - P&P.DWG



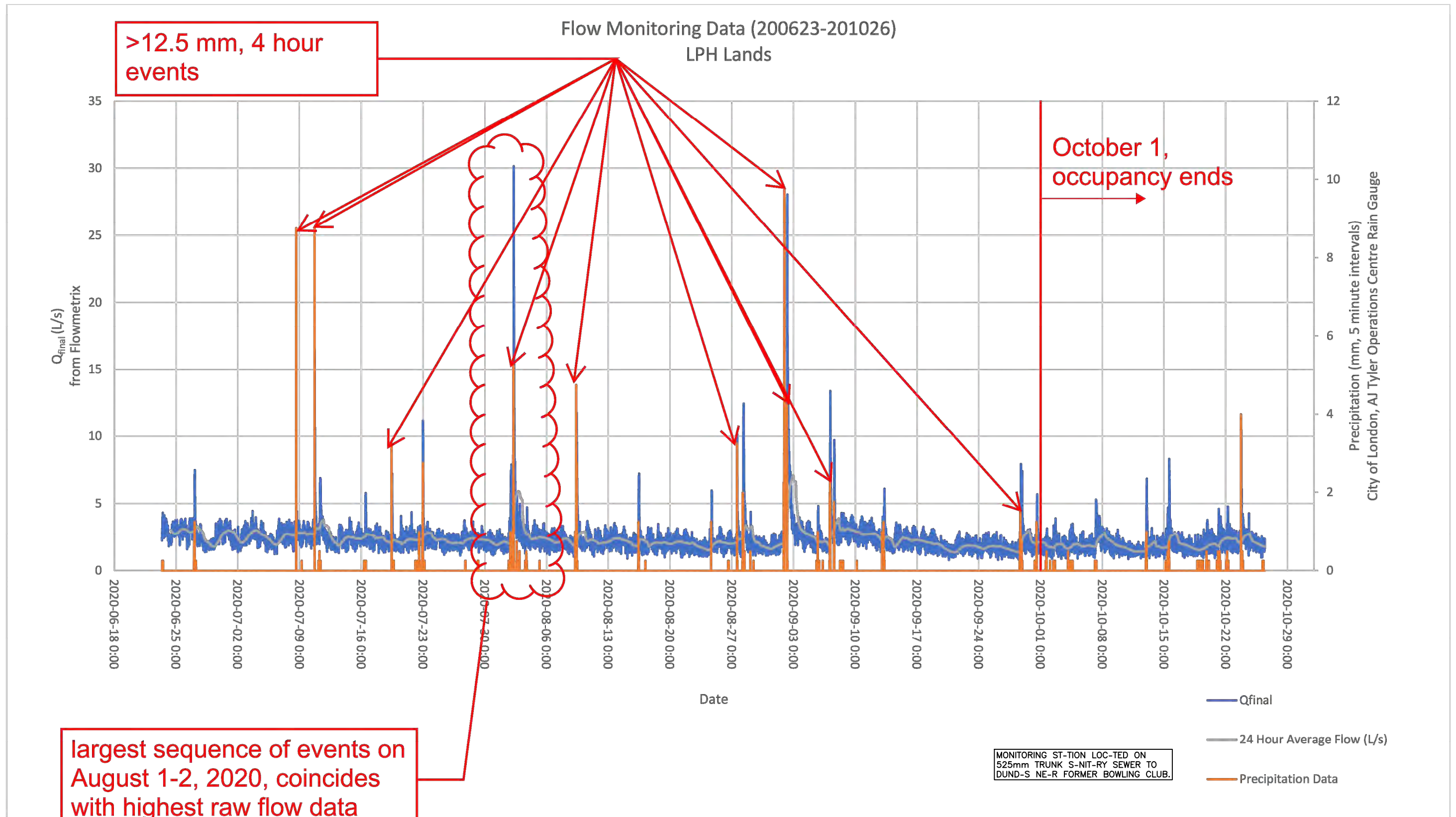
CURB AND GUTTER OPSD 600.040



EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.
					DESIGN BY RD/JB DRAWN BY RD CHECKED BY JB/RH F.BK. S-89	1	ISSUED FOR FPR SUPPORT	OCT. 2022	DEVENG	London Office 41 Adelaide St. N., Unit 71 (519) 672-8310 Paris Office 31 Mechanic St., Unit 301 (519) 442-1441	PRELIMINARY DO NOT USE FOR CONSTRUCTION	HORIZONTAL - 1:500 VERTICAL - 1:50 NTS IF REDUCED FROM 22"x34"	LPH CAMPUS REDEVELOPMENT OLD OAK PROPERTIES SPANNER STREET FROM STA. 0+000 TO STA. 0+124	DEL19-009 SHEET No. 12R PLAN FILE No.

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FILE: DEL19-009 - P&P.DWG



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LPH LEGACY VILLAGE

**SANITARY FLOW
MONITORING DATA**

SC-LE

N.T.S.

PROJECT N°
DEL19-009

DR- N BY:
RQ

DATE:
JAN. 27/21

Figure Number

13

**APPENDIX 3 – ESTIMATED DC REVENUE & CSRF CLAIM
WORKSHEET**



Initial Proposal Report (IPR) Claimable Works & DC Revenue Estimate Worksheet
City of London - Development Finance
Development Charges By-law C.P.-1551-227

Development:	LPH Legacy Village Subd.	TS File #:	2020-002
Address:	850 Highbury Ave. N., London	Prepared By:	R.A. Hern
Applicant:	Old Oak Properties	Date Prepared:	Oct. 31, 2022 (FPR)

Claimable Works			
Provide a general listing and cost estimate of anticipated development charge claimable works triggered by the proposed development.			
DC Claimable Works	DC Background Study Estimate (\$) (if applicable)	Initial Proposal Report Estimate (\$)	Notes / Description
Minor Roadworks ¹		\$0	- assumed external works scope under BRT East leg contracts (by City)
Road Oversizing ¹		\$702,900	- assumed at 45% ROW length & 3m widening w/ paint markings
Wastewater Oversizing		\$216,710	- per conceptual design strategy
Storm Sewer Oversizing		\$598,789	- per conceptual design strategy
Watermain Oversizing		\$82,500	- assumed 300mm size over 1.5km of draft plan ROW length
LID Subsidy		\$76,725	- assumed at 5% of internal draft plan ROW length, at 2.5m deep, subject to feasibility
Trunk Sewer ¹			
Major SWM Works ¹			
Land		\$1,563,436	- per SWM block area of 3.42 ha (assumed) at DC rate of \$457,145 per ha.
Other			
Total	\$ -	\$ 3,241,060	

DC Revenue Estimate					
Provide summary of proposed units/floor space to calculate estimated revenue. Use typical unit/ha densities for blocks and actual lot counts if available.					
Residential	Hectares	Units per Hectare	Proposed Units	CSRF Rate (\$/unit)	CSRF Revenue
Low Density Single & Semi Detached	2.1	14.4	30.0	\$38,120	\$ 1,143,356
Medium Density Multiples / Row Housing	18.7	150.2	2,805.9	\$25,780	\$ 72,336,690
High Density	Apartment < 2 bedroom	5.2	277.3	\$16,861	\$ 24,406,311
	Apartment >= 2 bedroom	5.2	277.3	\$22,848	\$ 33,072,498
Non-Residential	Hectares	Sq m. per Hectare	Proposed Floor Space	CSRF Rate (\$/m2)	CSRF Revenue
Commercial	12.2	3,000.0	36,540.0	\$322.90	\$ 11,798,766.00
Institutional			0.0	\$199.19	\$ -
Industrial			0.0	\$230.19	\$ -

Total \$ 142,757,620.29

Notes:

1. Claimable works subject to submission of a Work Plan by the Owner's consulting engineer for City review and approval at time of first submission of Engineering drawings.
2. Development Charges By-Law C.P.-1551-227 rates effective from January 1, 2022 to December 31, 2022
3. This Form is for "Inside Urban Growth Areas" only and excludes lands "Outside Urban Growth Areas".



Summary of DC Claims from the City Services Reserve Fund (CSRF)

City of London - Development Finance

Development Charges By-law C.P.-1551-227 / January 1, 2021

File #:	2020-002	Development Name:	LPH Legacy Village Subd.
Owner:	Old Oak Properties	Engineering Consultant:	DevEng
Date Prepared:	Oct. 2022	Prepared By:	R.A. Hern

Wastewater Oversizing Schedule 4, Appendix 4-A

	(see attached worksheet)	HST (13%)	Total
Subtotal	\$ 216,710.00	\$ 28,172.30	\$ 244,882.30

Storm Sewer Oversizing Schedule 4, Appendix 4-B

	(see attached worksheet)	HST (13%)	Total
Subtotal	\$ 598,789.00	\$ 77,842.57	\$ 676,631.57

Low Impact Development (LID) Subsidy Schedule 4, Appendix 4-B

	(see attached worksheet)	HST (13%)	Total
Subtotal	\$ 76,725.00	\$ 9,974.25	\$ 86,699.25

Watermain Oversizing Schedule 4, Appendix 4-C

	(see attached worksheet)	HST (13%)	Total
Subtotal	\$ 82,500.00	\$ 10,725.00	\$ 93,225.00

Engineering Schedule 4 Section 1.9

Description	Amount (see attached Work Plan)	HST (13%)	Total
Item 1		\$ -	\$ -
Item 2		\$ -	\$ -
Item 3		\$ -	\$ -
Item 4		\$ -	\$ -
Item 5		\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -

Construction Schedule 4

Description	Amount (see attached Work Plan)	HST (13%)	Total
Item 1		\$ -	\$ -
Item 2		\$ -	\$ -
Item 3		\$ -	\$ -
Item 4		\$ -	\$ -
Item 5		\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -

		HST (13%)	Total
Total CSRF Claims	\$ 974,724.00	\$ 126,714.12	\$ 1,101,438.12

Wastewater Oversizing Worksheet					
DC By-law C.P.-1551-227, Schedule 4, Appendix 4-A (Agreements post August 3, 2019)					
Segment Description (MH to MH)	Segment Length (m)	Diameter (mm)	Average Depth (m)	Subsidy (\$/m)	Total (\$)
Phase 1 - St A to B	570.0	300	5.00	\$ 63.00	\$ 35,910.00
				\$ -	\$ -
Ph 2 - South Outlet	525.0	525	5.00	\$ 188.00	\$ 98,700.00
Ph2 - Street D to A	180.0	450	5.00	\$ 113.00	\$ 20,340.00
Ph2 - Street C to D	695.0	375	5.00	\$ 73.00	\$ 50,735.00
Ph3 - Howland to C	175.0	300	5.00	\$ 63.00	\$ 11,025.00
				\$ -	\$ -
				\$ -	\$ -
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				\$ -	\$ -
\$					216,710.00

Notes:

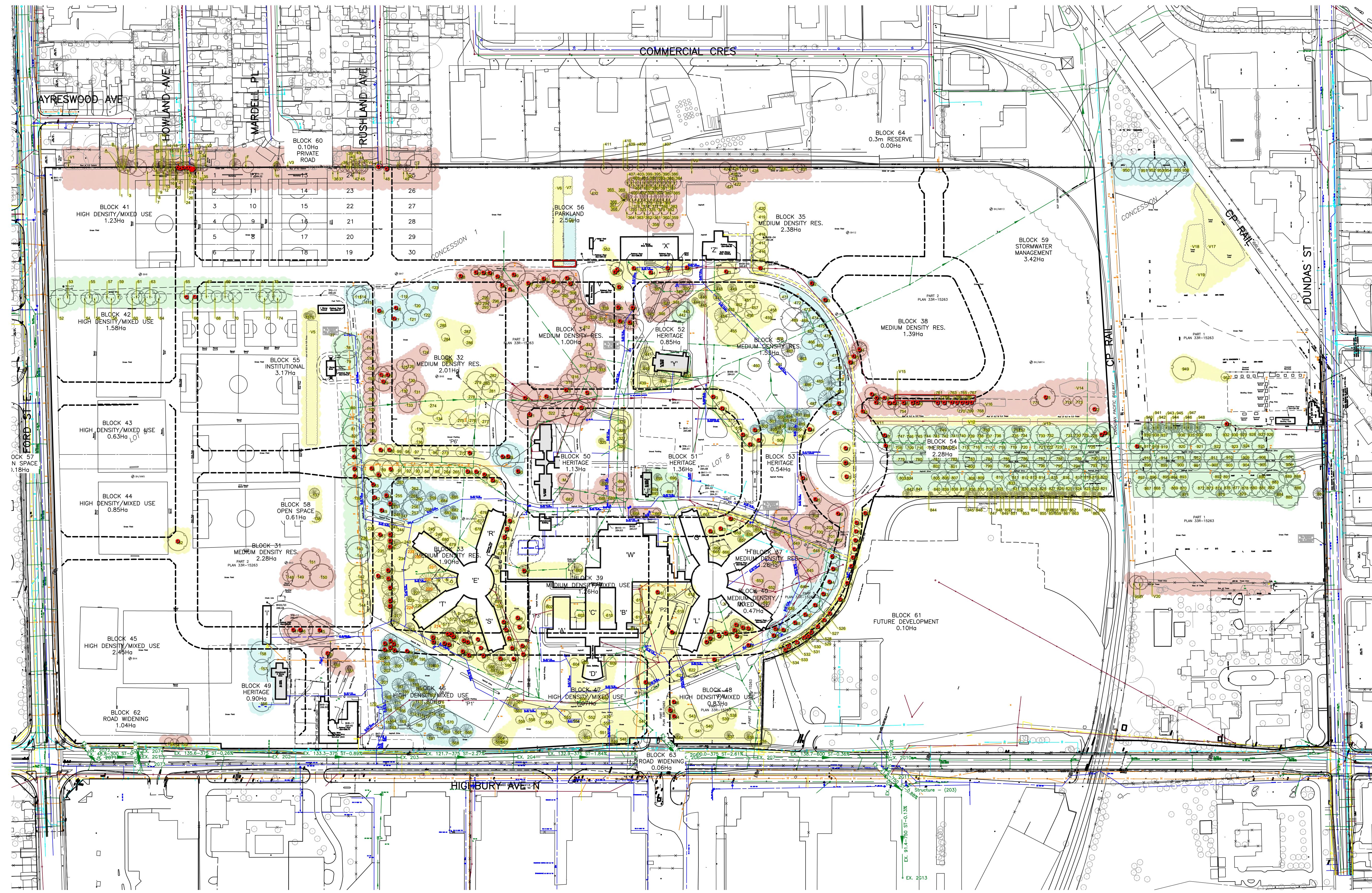
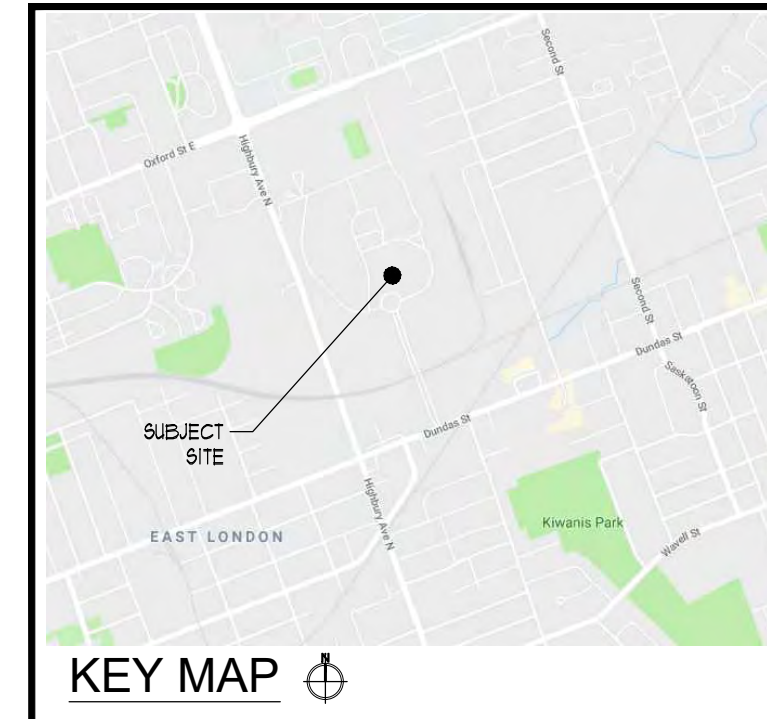
- 1) Sewers which are not Regional Trunk Sewers that service external developable areas and have a diameter greater than 250mm are eligible for wastewater oversizing subsidy.
- 2) i) The subsidy is based on the diameter of pipe and the average depth of sewer between maintenance holes.
The subsidy unit cost is determined by rounding the average depth of sewer between maintenance holes to the nearest 0.5 metre.
The subsidy unit cost per metre of pipe is applied to each segment length of sewer to determine the total oversizing subsidy.
- 3) If the total oversizing subsidy exceeds the actual cost to construct the oversized sewer, the upset Claim limit shall not exceed the actual construction cost.
- 4) ii) The oversizing subsidy amounts cover the cost per metre of all associated eligible costs including engineering, manholes, restoration, etc.

Instructions:

- 1. Under Segment Description, list the sections of oversized sewer pipe (> 250mm) between the maintenance holes (i.e. SA1 to SA2, SA2 to SA3, etc).
- 2. List the corresponding sewer Segment Length (m) in the next column.
- 3. From the drop down menu, select the Diameter (mm) of the oversized sewer.
- 4. From the drop down menu, select the Average Depth (m) between maintenance holes by rounding the average sewer depth to the nearest 0.5 metre.
- 5. Based on the diameter of pipe and the average sewer depth, the Subsidy (\$/m) will be determined based on the values within Appendix 4-A of the 2019 DC Study.
- 6. The Segment Length multiplied by the per metre Subsidy will determine the Total subsidy for that segment of oversized sewer.
- 7. The worksheet will add all of the oversized sewer segments together to determine the total wastewater oversizing subsidy.

6. The worksheet will add all of the oversized watermains together to determine the total watermain oversizing subsidy.

**APPENDIX 4 – TREE REMOVAL PLAN & TREE REMOVAL
INVENTORY**



- LEGEND**
- EX. STMH (Green circle with 'S') EXISTING STORM MANHOLE
 - EX. SANMH (Red circle with 'S') EXISTING SANITARY MANHOLE
 - EX. CBMH (Green circle with 'C') EXISTING CATCHBASIN MANHOLE
 - EX. CB (Green square) EXISTING CATCHBASIN
 - EX. 50.0-200 SAN+1.0K (Red line) EXISTING SANITARY SEWER
 - EX. 50.0-600 ST+2.5K (Green line) EXISTING STORM SEWER
 - EX. FH (Blue line) EXISTING HYDRANT
 - EX. WV (Blue line) EXISTING WATER VALVE
 - EX. 150P WM (Blue line) EXISTING WATERMAIN
 - EX. TV PED E (Black line) EXISTING FENCE
 - EX. TV PED B (Black line) EXISTING TV PEDESTAL
 - EX. GC (Yellow circle) EXISTING GAS CABLE
 - EX. GV (Yellow circle) EXISTING GAS VALVE
 - EX. GM (Yellow circle) EXISTING GAS MAIN
 - EX. BP (Blue circle) EXISTING BELL POLE
 - EX. BPE (Blue circle) EXISTING BELL PEDESTAL
 - EX. BMC (Blue circle) EXISTING BELL MANHOLE
 - EX. BCB (Blue circle) EXISTING BELL CABLE
 - EX. HMH (Red circle) EXISTING HYDRO MANHOLE
 - EX. HD (Red circle) EXISTING HYDRO
 - EX. JBX (Red square) EXISTING JUNCTION BOX
 - EX. HPLS (Red circle) EXISTING HYDRO POLE/LIGHT STANDARD
 - EX. HPP (Red circle) EXISTING HYDRO POLE
 - - - - - PROPOSED STREET LINE

- LEGEND**
- RKLA VALUE RATING 'A' (Green circle)
 - RKLA VALUE RATING 'B' (Yellow circle)
 - RKLA VALUE RATING 'C' (Orange circle)
 - RKLA VALUE RATING 'D' (Red circle)
 - EX. RR (Red circle with 'R') DEVENG RECOMMENDED REMOVAL
 - EX. DR (Red circle with 'D') DEVENG RECOMMENDED REMOVAL
 - EXISTING PROTECTED LANDS (Hatched area)
 - EXISTING ACCESS EASEMENT (Dashed line)
 - PROPOSED BIKE ROUTE (Green line)
 - (Green line with '2m') (SHOWN 2m WIDE)

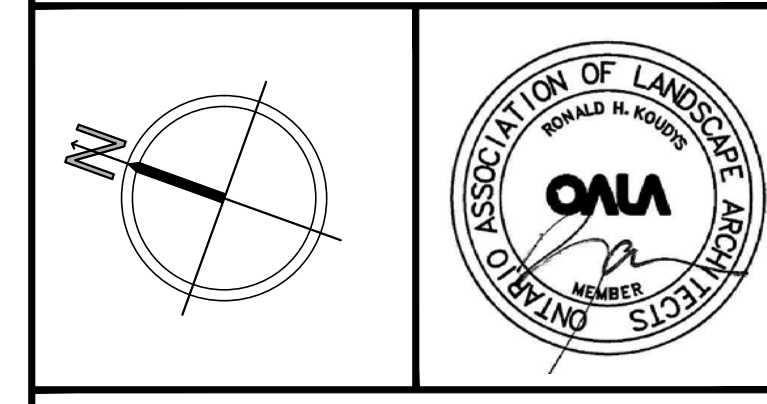


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Ronald H. Koudys, O.A.L.A., C.S.L.A. DATE

DATE	DESCRIPTION	No.
2021/02/16	ISSUED FOR APPROVAL	5.
2021/02/18	ISSUED FOR DISCUSSION	4.
2020/09/25	ISSUED FOR INFORMATION	3.
2019/10/09	ISSUED FOR COORDINATION	2.
2019/10/03	ISSUED FOR PRELIMINARY TREE REPORT	1.

PLOTTING INFORMATION:
 PLOTTED DATE: NOVEMBER 2, 2022
 PLOTTED SCALE: 1:1



PROJECT TITLE:
**LPH LANDS
 PROPOSED DEVELOPMENT
 OLD OAK PROPERTIES**

DRAWING TITLE:
**PROPOSED TREE
 REMOVAL PLAN**

DATE: NOVEMBER 2	SCALE: AS NOTED	DRAWING No.:
DRAWN: RKLA Inc.	CHECKED BY: RKAC	T-15
PROJECT No.:	19-105U	

PROPOSED TREE REMOVAL PLAN
 SCALE = 1:2000

DRAFT
 FOR DISCUSSION PURPOSES ONLY
 NOT TO BE USED FOR CONSTRUCTION
 CONTRACTOR TO VERIFY ALL DIMENSIONS

PROJECT: LPH LANDS OLD OAK PROPERTIES
DATE: November, 2022

INVENTORY OF TREES PROPOSED FOR REMOVAL



TAG #	BOTANICAL NAME	COMMON NAME	LOCATION / OWNERSHIP *=located via field observation (not included in survey)	DBH (cm) ~= approx.	RKLA VALUE RATING	REMOVAL RATIONALE
TAGGED TREES						
22	<i>Ailanthus altissima</i>	Tree of Heaven	*Area 1 Boundary tree with City ROW	20	D	Conflict with proposed road
23	<i>Ailanthus altissima</i>	Tree of Heaven	*Area 1 Boundary tree with City ROW	28,25	D	Conflict with proposed road
24	<i>Ailanthus altissima</i>	Tree of Heaven	*Area 1 Boundary tree with City ROW	30,28	D	Conflict with proposed road
25	<i>Ailanthus altissima</i>	Tree of Heaven	*Area 1 Boundary tree with City ROW	~20,~15	D	Conflict with proposed road
26	<i>Ailanthus altissima</i>	Tree of Heaven	*Area 1 850 Highbury Ave N	~30	D	Conflict with proposed road
27	<i>Ailanthus altissima</i>	Tree of Heaven	*Area 1 850 Highbury Ave N	~20	D	Conflict with proposed road
28	<i>Ailanthus altissima</i>	Tree of Heaven	*Area 1 850 Highbury Ave N	~25	D	Conflict with proposed road
29	<i>Ailanthus altissima</i>	Tree of Heaven	*Area 1 850 Highbury Ave N	~25	D	Conflict with proposed road
30	<i>Ailanthus altissima</i>	Tree of Heaven	*Area 1 850 Highbury Ave N	~20	D	Conflict with proposed road
47	<i>Acer negundo</i>	Manitoba Maple	*Area 1 Boundary tree with City ROW	~40	D	Conflict with proposed road
48	<i>Juglans nigra</i>	Black Walnut	*Area 1 850 Highbury Ave N	19	D	Conflict with proposed road

65	<i>Juglans nigra</i>	Black Walnut	Area 1 850 Highbury Ave N	75	A	Conflict with proposed road
66	<i>Juglans nigra</i>	Black Walnut	Area 1 850 Highbury Ave N	54	A	Conflict with proposed road
83	<i>Juglans nigra</i>	Black Walnut	Area 1 850 Highbury Ave N	68	A	Conflict with proposed road
84	<i>Juglans nigra</i>	Black Walnut	Area 1 850 Highbury Ave N	85	A	Conflict with proposed road
85	<i>Juglans nigra</i>	Black Walnut	Area 1 850 Highbury Ave N	83	A	Conflict with proposed road
86	<i>Juglans nigra</i>	Black Walnut	Area 1 850 Highbury Ave N	87	A	Conflict with proposed road
88	<i>Acer saccharum</i>	Sugar Maple	Area 1 850 Highbury Ave N	102	C	Conflict with proposed road
89	<i>Acer saccharinum</i>	Silver Maple	Area 1 850 Highbury Ave N	83	C	Conflict with proposed road
100	<i>Acer saccharinum</i>	Silver Maple	Area 1 850 Highbury Ave N	65	C	Conflict with proposed road
101	<i>Acer platanoides</i>	Norway Maple	Area 1 850 Highbury Ave N	63	C	Conflict with proposed road
116	<i>Juglans nigra</i>	Black Walnut	Area 1 850 Highbury Ave N	24	B	Conflict with proposed road
117	<i>Acer rubrum</i>	Red Maple	Area 1 850 Highbury Ave N	71	B	Conflict with proposed road
118	<i>Juglans nigra</i>	Black Walnut	Area 1 850 Highbury Ave N	29	B	Conflict with proposed road
127	<i>Acer saccharinum</i>	Silver Maple	Area 1 850 Highbury Ave N	70	D	Conflict with proposed road
128	<i>Acer saccharinum</i>	Silver Maple	Area 1 850 Highbury Ave N	72	D	Conflict with proposed road
129	<i>Acer saccharinum</i>	Silver Maple	Area 1 850 Highbury Ave N	104	D	Conflict with proposed road

148	<i>Robinia pseudoacacia</i>	Black Locust	Area 2 850 Highbury Ave N	54	D	Conflict with proposed road
149	<i>Populus deltoides</i>	Eastern Cottonwood	Area 2 850 Highbury Ave N	113	D	Conflict with proposed road
150	<i>Populus deltoides</i>	Eastern Cottonwood	Area 2 850 Highbury Ave N	87	D	Conflict with proposed road
152	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 2 850 Highbury Ave N	94	D	Conflict with proposed road
159	<i>Acer platanoides</i>	Norway Maple	Area 2 850 Highbury Ave N	47	D	Conflict with proposed road
199	<i>Acer platanoides</i>	Norway Maple	Area 2 850 Highbury Ave N	47	B	Conflict with proposed road
206	<i>Pinus nigra</i>	Austrian Pine	Area 2 850 Highbury Ave N	67	B	Conflict with proposed road
207	<i>Pinus nigra</i>	Austrian Pine	Area 2 850 Highbury Ave N	60	B	Conflict with proposed road
208	<i>Pinus nigra</i>	Austrian Pine	Area 2 850 Highbury Ave N	65	B	Conflict with proposed road
209	<i>Pinus nigra</i>	Austrian Pine	Area 2 850 Highbury Ave N	45	B	Conflict with proposed road
210	<i>Pinus nigra</i>	Austrian Pine	Area 2 850 Highbury Ave N	55	B	Conflict with proposed road
211	<i>Pinus nigra</i>	Austrian Pine	Area 2 850 Highbury Ave N	61	B	Conflict with proposed road
218	<i>Pinus sylvestris</i>	Scotch Pine	Area 2 850 Highbury Ave N	70	C	Conflict with proposed road
212	<i>Pinus sylvestris</i>	Scotch Pine	Area 2 850 Highbury Ave N	21	C	Conflict with proposed road
213	<i>Pinus sylvestris</i>	Scotch Pine	Area 2 850 Highbury Ave N	15, 10, 7	C	Conflict with proposed road
219	<i>Pinus nigra</i>	Austrian Pine	Area 2 850 Highbury Ave N	65	C	Conflict with proposed road

220	<i>Pinus nigra</i>	Austrian Pine	Area 2 850 Highbury Ave N	78	C	Conflict with proposed road
221	<i>Picea glauca</i>	White Spruce	Area 2 850 Highbury Ave N	40	C	Conflict with proposed road
222	<i>Pinus nigra</i>	Austrian Pine	Area 2 850 Highbury Ave N	51	C	Conflict with proposed road
223	<i>Aesculus hippocastanum</i>	Horse Chestnut	Area 2 850 Highbury Ave N	24	C	Conflict with proposed road
239	<i>Picea pungens</i>	Colorado Green Spruce	Area 2 850 Highbury Ave N	42	C	Conflict with proposed road
241	<i>Picea pungens</i>	Colorado Green Spruce	Area 2 850 Highbury Ave N	21	C	Conflict with proposed road
242	<i>Pinus sylvestris</i>	Scotch Pine	Area 2 850 Highbury Ave N	31	C	Conflict with proposed road
243	<i>Picea abies</i>	Norway Spruce	Area 2 850 Highbury Ave N	44	C	Conflict with proposed road
249	<i>Acer saccharum</i>	Sugar Maple	Area 2 850 Highbury Ave N	72	B	Conflict with proposed road
250	<i>Picea glauca</i>	White Spruce	Area 2 850 Highbury Ave N	17	B	Conflict with proposed road
251	<i>Picea pungens</i>	Colorado Green Spruce	Area 2 850 Highbury Ave N	34	B	Conflict with proposed road
252	<i>Acer platanoides</i>	Norway Maple	Area 2 850 Highbury Ave N	54	B	Conflict with proposed road
253	<i>Acer platanoides</i>	Norway Maple	Area 2 850 Highbury Ave N	75	B	Conflict with proposed road
265	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	80	C	Conflict with proposed road
266	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	37	C	Conflict with proposed road

267	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	40	C	Conflict with proposed road
268	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	48	C	Conflict with proposed road
269	<i>Juglans nigra</i>	Black Walnut	Area 3 850 Highbury Ave N	104	C	Conflict with proposed road
270	<i>Juglans nigra</i>	Black Walnut	Area 3 850 Highbury Ave N	92	B	Conflict with proposed road
271	<i>Acer rubrum x saccharinum</i>	Red/Silver hybrid	Area 3 850 Highbury Ave N	42	B	Conflict with proposed road
288	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	60	D	Conflict with proposed road
289	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	87	D	Conflict with proposed road
290	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	87	D	Conflict with proposed road
291	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	61	D	Conflict with proposed road
292	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	107	D	Conflict with proposed road
293	<i>Acer saccharinum</i>	Silver Maple	*Area 3 850 Highbury Ave N	79	D	Conflict with proposed road
295	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	87	D	Conflict with proposed road
296	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	108	D	Conflict with proposed road
297	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	75	D	Conflict with proposed road
298	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	90	D	Conflict with proposed road

299	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	155	D	Conflict with proposed road
300	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	92	D	Conflict with proposed road
302	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	97	D	Conflict with proposed road
303	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	87	D	Conflict with proposed road
306	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	81	D	Conflict with proposed road
307	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	98	D	Conflict with proposed road
318	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	97	D	Conflict with proposed road
319	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	106	D	Conflict with proposed road
320	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	133	D	Conflict with proposed road
321	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	118	D	Conflict with proposed road
324	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	123	D	Conflict with proposed road
330	<i>Picea abies</i>	Norway Spruce	Area 3 850 Highbury Ave N	86	B	Conflict with proposed road
331	<i>Acer saccharinum</i>	Silver Maple	Area 3 850 Highbury Ave N	97	D	Conflict with proposed road
334	<i>Pinus nigra</i>	Austrian Pine	Area 3 850 Highbury Ave N	73	D	Conflict with proposed road
340	<i>Picea glauca</i>	White Spruce	Area 3 850 Highbury Ave N	39		Conflict with proposed road

341	<i>Picea glauca</i>	White Spruce	Area 3 850 Highbury Ave N	38	D	Conflict with proposed road
342	<i>Abies concolor</i>	Silver Fir	Area 3 850 Highbury Ave N	60	D	Conflict with proposed road
343	<i>Picea pungens</i>	Colorado Green Spruce	Area 3 850 Highbury Ave N	45	D	Conflict with proposed road
344	<i>Juglans nigra</i>	Black Walnut	Area 3 850 Highbury Ave N	52	D	Conflict with proposed road
345	<i>Pinus nigra</i>	Austrian Pine	Area 3 850 Highbury Ave N	47	D	Conflict with proposed road
353	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	47	C	Conflict with proposed road
354	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	64	C	Conflict with proposed road
355	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	41	C	Conflict with proposed road
356	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	37	C	Conflict with proposed road
413	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 3 850 Highbury Ave N	92	C	Conflict with proposed road
414	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	45	C	Conflict with proposed road
432	<i>Pinus sylvestris</i>	Scotch Pine	Area 3 850 Highbury Ave N	28	B	Conflict with proposed road
433	<i>Picea pungens var. glauca</i>	Colorado Blue Spruce	Area 3 850 Highbury Ave N	-40	B	Conflict with proposed road
434	<i>Picea abies</i>	Norway Spruce	Area 3 850 Highbury Ave N	73	D	Conflict with proposed road
435	<i>Aesculus hippocastanum</i>	Horse Chestnut	Area 3 850 Highbury Ave N	-65	D	Conflict with proposed road

436	<i>Ulmus spp.</i>	Elm	Area 3 850 Highbury Ave N	84	D	Conflict with proposed road
481	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 3 850 Highbury Ave N	68	B	Conflict with proposed road
482	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 3 850 Highbury Ave N	76	B	Conflict with proposed road
503	<i>Picea abies</i>	Norway Spruce	Area 3 850 Highbury Ave N	52	B	Conflict with proposed road
504	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	46	C	Conflict with proposed road
507	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	45	C	Conflict with proposed road
508	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	46	C	Conflict with proposed road
509	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	55	C	Conflict with proposed road
510	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	43	C	Conflict with proposed road
511	<i>Acer saccharum</i>	Sugar Maple	Area 3 850 Highbury Ave N	77	C	Conflict with proposed road
512	<i>Acer saccharum</i>	Sugar Maple	Area 3 850 Highbury Ave N	71	C	Conflict with proposed road
513	<i>Acer saccharum</i>	Sugar Maple	Area 3 850 Highbury Ave N	74	C	Conflict with proposed road
514	<i>Acer platanoides</i>	Norway Maple	Area 3 850 Highbury Ave N	34	D	Conflict with proposed road
515	<i>Acer platanoides 'Royal Red'</i>	Royal Red Norway Maple	Area 3 850 Highbury Ave N	39	C	Conflict with proposed road
516	<i>Picea pungens var. glauca</i>	Colorado Blue Spruce	Area 3 850 Highbury Ave N	42	C	Conflict with proposed road

517	<i>Acer platanoides</i> 'Royal Red'	Royal Red Norway Maple	Area 3 850 Highbury Ave N	46	C	Conflict with proposed road
518	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	73	C	Conflict with proposed road and proposed grading
519	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	72	C	Conflict with proposed road and proposed grading
520	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	75	C	Conflict with proposed road and proposed grading
521	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	71	C	Conflict with proposed road and proposed grading
522	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	77	C	Conflict with proposed road and proposed grading
523	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	63	C	Conflict with proposed road and proposed grading
524	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	70	C	Conflict with proposed road and proposed grading
525	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	63	C	Conflict with proposed road and proposed grading
526	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	87	C	Conflict with proposed road and proposed grading
527	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	91	C	Conflict with proposed road and proposed grading
528	<i>Aesculus</i> <i>hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	69	C	Conflict with proposed road and proposed grading

529	<i>Aesculus hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	64	C	Conflict with proposed road and proposed grading
530	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	62	C	Conflict with proposed road and proposed grading
531	<i>Aesculus hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	69	C	Conflict with proposed road and proposed grading
532	<i>Aesculus hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	70	C	Conflict with proposed road and proposed grading
533	<i>Aesculus hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	68	C	Conflict with proposed road and proposed grading
534	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	76	C	Conflict with proposed road and proposed grading
544	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	43	C	Conflict with proposed road
545	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	43	C	Conflict with proposed road
546	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	30	C	Conflict with proposed road
589	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	38	C	Conflict with proposed road
590	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	32	C	Conflict with proposed road
591	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	33	C	Conflict with proposed road

592	<i>Tilia cordata</i>	Little Leaf Linden	Area 4 850 Highbury Ave N	28	C	Conflict with proposed road
593	<i>Tilia cordata</i>	Little Leaf Linden	Area 4 850 Highbury Ave N	40	C	Conflict with proposed road
594	<i>Tilia cordata</i>	Little Leaf Linden	Area 4 850 Highbury Ave N	35	C	Conflict with proposed road
595	<i>Tilia cordata</i>	Little Leaf Linden	Area 4 850 Highbury Ave N	36	C	Conflict with proposed road
598	<i>Acer saccharinum</i>	Silver Maple	Area 4 850 Highbury Ave N	63	C	Conflict with proposed road
599	<i>Acer saccharinum</i>	Silver Maple	Area 4 850 Highbury Ave N	54	C	Conflict with proposed road
600	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	49	C	Conflict with proposed road
601	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	49	C	Conflict with proposed road
608	<i>Acer saccharinum</i>	Silver Maple	Area 4 850 Highbury Ave N	104	C	Conflict with proposed road
616	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	57	C	Conflict with proposed road
620	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	50	C	Conflict with proposed road
623	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	49	C	Conflict with proposed road
624	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	30	C	Conflict with proposed road
625	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	37	C	Conflict with proposed road
626	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	36	C	Conflict with proposed road
627	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	41	C	Conflict with proposed road

628	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	29	C	Conflict with proposed road
629	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	52	C	Conflict with proposed road
630	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	36	C	Conflict with proposed road
631	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	39	C	Conflict with proposed road
632	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	42	C	Conflict with proposed road
633	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	30	C	Conflict with proposed road
637	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	36	B	Conflict with proposed road and proposed grading
638	<i>Acer rubrum</i>	Red Maple	Area 4 850 Highbury Ave N	57	B	Conflict with proposed road and proposed grading
639	<i>Catalpa speciosa</i>	Northern Catalpa	Area 4 850 Highbury Ave N	51	B	Conflict with proposed road and proposed grading
640	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	46	B	Conflict with proposed road and proposed grading
641	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	99	B	Conflict with proposed road and proposed grading
642	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	92	B	Conflict with proposed road and proposed grading
643	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	64	B	Conflict with proposed road and proposed grading

644	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	71	B	Conflict with proposed road and proposed grading
645	<i>Catalpa speciosa</i>	Northern Catalpa	Area 4 850 Highbury Ave N	86	B	Conflict with proposed road and proposed grading
646	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	54	B	Conflict with proposed road and proposed grading
647	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	67	B	Conflict with proposed road
660	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 4 850 Highbury Ave N	62	C	Conflict with proposed road
661	<i>Tilia cordata</i>	Little Leaf Linden	Area 4 850 Highbury Ave N	53	C	Conflict with proposed road
662	<i>Tilia cordata</i>	Little Leaf Linden	Area 4 850 Highbury Ave N	55	C	Conflict with proposed road
663	<i>Catalpa speciosa</i>	Northern Catalpa	Area 4 850 Highbury Ave N	96	C	Conflict with proposed road
670	<i>Pinus nigra</i>	Austrian Pine	Area 4 850 Highbury Ave N	44	C	Conflict with proposed road
686	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	41	C	Conflict with proposed road
705	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	66	D	Conflict with proposed road
706	<i>Aesculus hippocastanum</i>	Horse Chestnut	Area 4 850 Highbury Ave N	95	D	Conflict with proposed road
707	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	~70	A	Conflict with proposed road
726	<i>Acer saccharinum</i>	Silver Maple	Area 5 850 Highbury Ave N	96	A	Conflict with proposed road
727	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	75	A	Conflict with proposed road
748	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	100	A	Conflict with proposed road

753	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	64	D	Conflict with proposed road
754	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	51	D	Conflict with proposed road
755	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	87	D	Conflict with proposed road
756	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	55	D	Conflict with proposed road
757	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	57	D	Conflict with proposed road
758	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	58	D	Conflict with proposed road
759	<i>Catalpa speciosa</i>	Northern Catalpa	Area 5 850 Highbury Ave N	45	D	Conflict with proposed road
760	<i>Catalpa speciosa</i>	Northern Catalpa	Area 5 850 Highbury Ave N	50	D	Conflict with proposed road
761	<i>Catalpa speciosa</i>	Northern Catalpa	Area 5 850 Highbury Ave N	55	D	Conflict with proposed road
762	<i>Catalpa speciosa</i>	Northern Catalpa	Area 5 850 Highbury Ave N	63	D	Conflict with proposed road
763	<i>Catalpa speciosa</i>	Northern Catalpa	Area 5 850 Highbury Ave N	34	D	Conflict with proposed road
764	<i>Catalpa speciosa</i>	Northern Catalpa	Area 5 850 Highbury Ave N	45	D	Conflict with proposed road
765	<i>Catalpa speciosa</i>	Northern Catalpa	Area 5 850 Highbury Ave N	46	D	Conflict with proposed road
766	<i>Catalpa speciosa</i>	Northern Catalpa	Area 5 850 Highbury Ave N	44	D	Conflict with proposed road
772	<i>Quercus rubra</i>	Red Oak	Area 5 850 Highbury Ave N	38	D	Conflict with proposed road
775	<i>Ulmus pumila</i>	Siberian Elm	Area 5 850 Highbury Ave N	89	D	Conflict with proposed road
776	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	54	D	Conflict with proposed road
777	<i>Acer rubrum x saccharinum</i>	Red/Silver Maple hybrid	Area 5 850 Highbury Ave N	33	D	Conflict with proposed road
778	<i>Ulmus spp.</i>	Elm spp.	Area 5 850 Highbury Ave N	59	D	Conflict with proposed road

843	<i>Robinia pseudoacacia</i>	Black Locust	Area 5 850 Highbury Ave N	25	C	Conflict with proposed road and proposed grading
916	<i>Acer saccharinum</i>	Silver Maple	Area 6 850 Highbury Ave N	97	A	Conflict with proposed road
931	<i>Morus alba</i>	White Mulberry	Area 6 850 Highbury Ave N	/	A	Conflict with proposed road
TREES NOT TAGGED IN THE FIELD						
T	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	-45	C	Conflict with proposed road
U	<i>Acer platanoides</i>	Norway Maple	Area 4 850 Highbury Ave N	-35	C	Conflict with proposed road