

LOCKHART INNISFIL INVESTMENTS LIMITED.

560 LOCKHART ROAD, CITY OF BARRIE

CITY FILE: D28-023-2020

DRAWING LEGEND

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PP-8	PLAN AND PROFILE STREET 'J' STA 0+000 TO 0+260
PP-9	PLAN AND PROFILE STREET 'K' STA 0+000 TO 0+240
PP-10	PLAN AND PROFILE EXTERNAL STREET 'E' STA 0+000 TO 0+220



MUNICIPALITY:

CITY OF BARRIE
70 COLLIER STREET (BOX 400)
BARRIE, ON L4M 4T5
PH. 705.726.4242
FAX 705.739.4243

CLIENT:

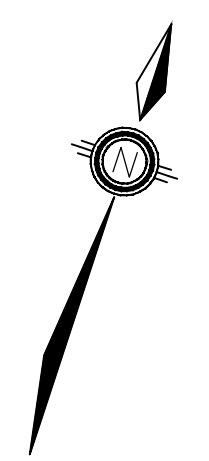
LOCKHART INNISFIL INVESTMENTS LIMITED

DEVELOPER'S ENGINEER:



229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

TJCG PROJECT # GOL-14193



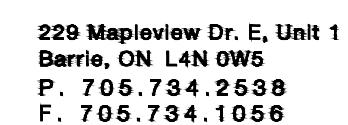
	SAN DTA (B.O.)		SANITARY SEWER & DIRECTION OF FLOW (B.O.)
	STM 01 (B.O.)		STORM SEWER & DIRECTION OF FLOW (B.O.)
	H&V		HYDRANT AND VALVE
	● - - - - -		WATER SERVICE
	SAN 10A ●		PROPOSED WATERMAIN
	- - - - - ●		SANITARY MAINTENANCE HOLE
	- - - - - ●		SANITARY SERVICE
	STM 25 ●		SANITARY SEWER & DIRECTION OF FLOW
	CB □		STORM MAINTENANCE HOLE
	DCB □		CATCH BASIN
	DCB □		DOUBLE CATCH BASIN
	— — — — — ●		STORM SEWER & DIRECTION OF FLOW
	— — — — — ●		DEPRESSED CURB
	BH 2		BOREHOLE
	252.68		LIMIT OF SUBDIVISION

LOCKHART INNISFIL INVESTMENTS
(II) LIMITED SUBDIVISION

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL

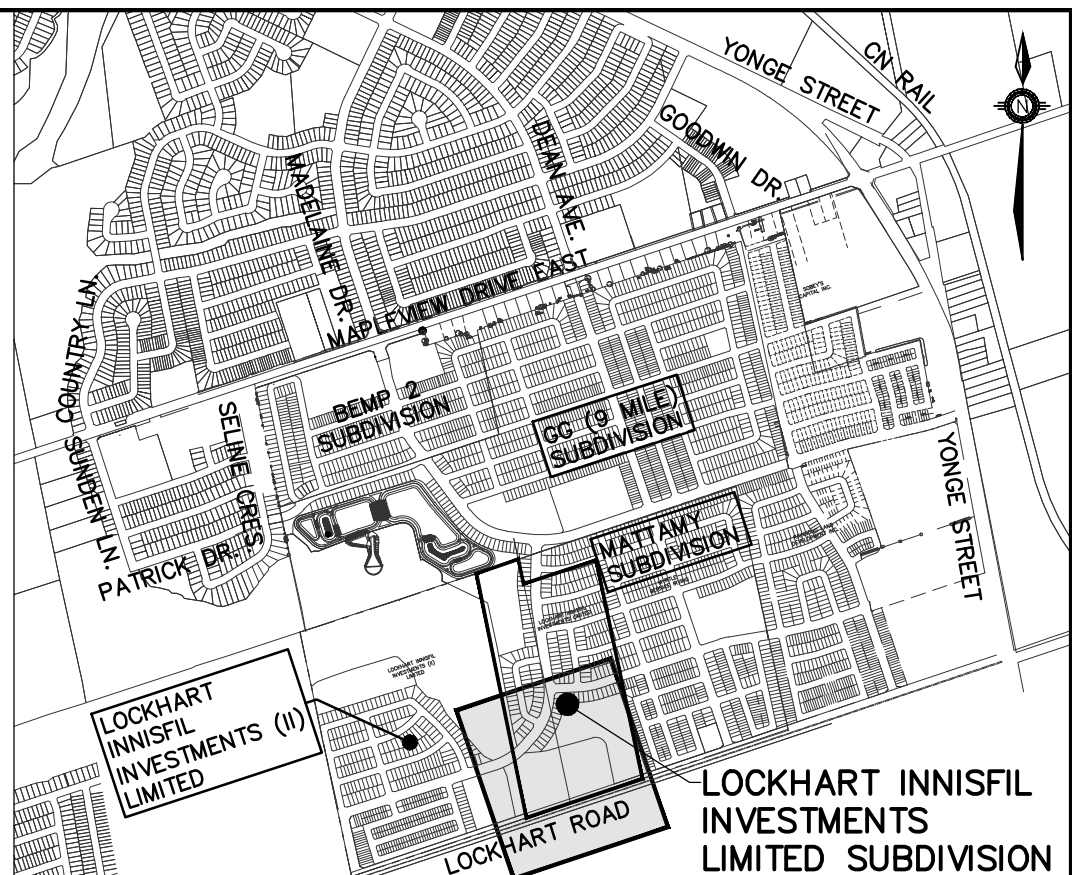
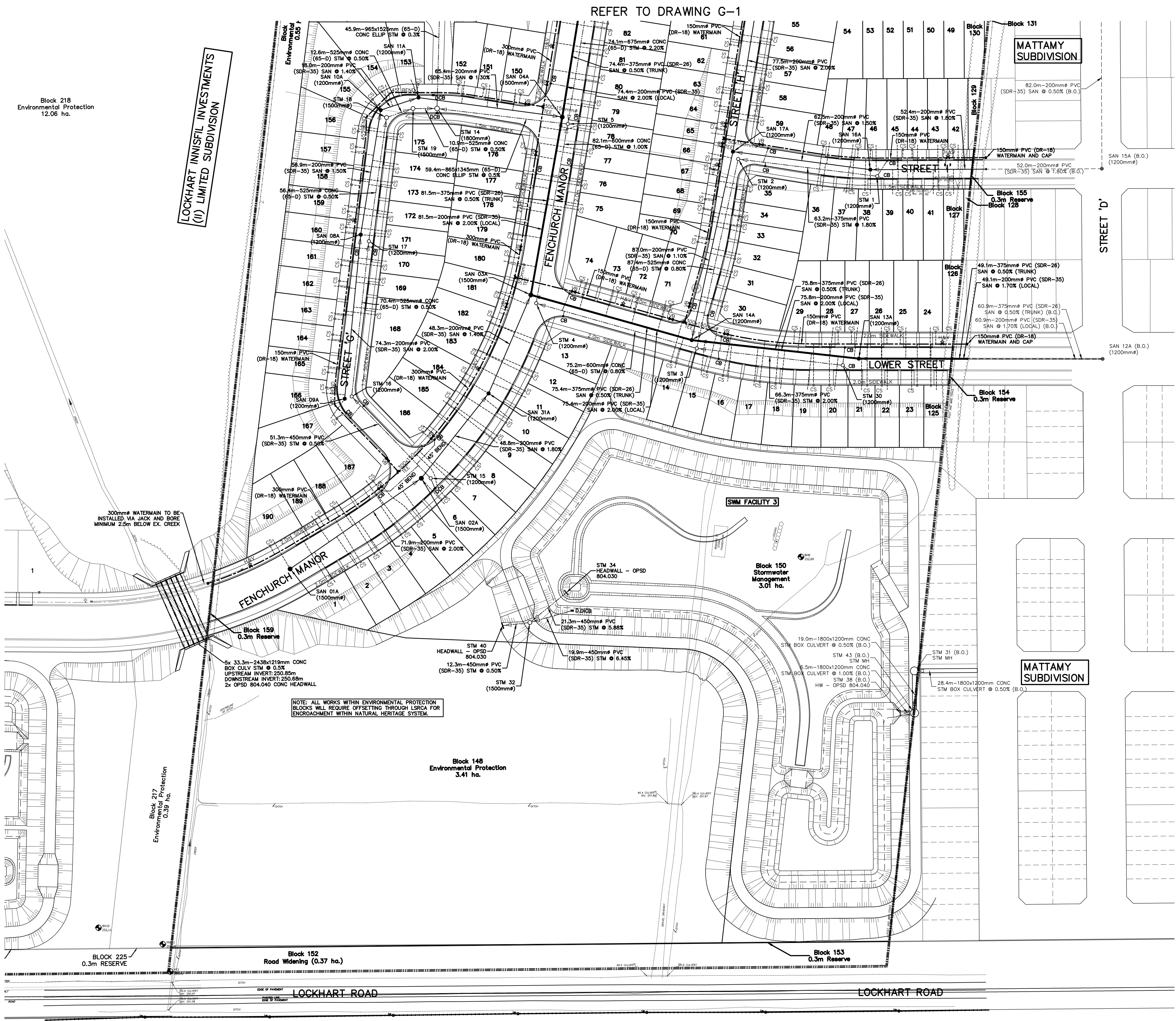


GENERAL SERVICING PLAN



DESIGN	VBS	SCALE: 1:1000	DATE	JULY 2021
DRAWN	VBS	PROJECT GOL-14193	DWG. № G-1	
CHECKED	JWI			

C:\Eng_3D\GOL-14193-E\Production DWGS\GOL-14193-GENERAL SERVICING.dwg Layout:G-1 Plotted Oct 05, 2021 @ 2:04pm by Jhermann The Jones Consulting Group Ltd.



KEY PLAN
NTS

LEGEND

- SAN 01A (B.O.)
- STM 01 (B.O.)
- H&V
- VB
- VALVE AND BOX
- WATER SERVICE
- PROPOSED WATERMAIN
- SAN 10A
- SANITARY MAINTENANCE HOLE
- SANITARY SERVICE
- SANITARY SEWER & DIRECTION OF FLOW
- STM 25
- CB
- DCB
- STORM SEWER & DIRECTION OF FLOW
- DEPRESSED CURB
- BH 2 252.68
- BOREHOLE
- LIMIT OF SUBDIVISION

BENCHMARK:
BENCHMARK NO. 00191314605, SOUTHWEST CORNER OF ST. PAUL'S CHURCH AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK, ELEV 263.480
BENCHMARK NO. 01019865454, CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LONERS CREEK, 0.55m EAST OF HURONIA ROAD, TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING, ELEV. 241.862
BENCHMARK NO. 01019860407, LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE, APPROXIMATELY 500m EAST OF HURONIA ROAD, N.4910727.688 E.607083.931
BENCHMARK NO. 01019860404, LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE, APPROXIMATELY 500m WEST OF YONGE STREET, N.491189.997 E.608513.319

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
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LOCKHART INNISFIL
INVESTMENTS LIMITED
SUBDIVISION

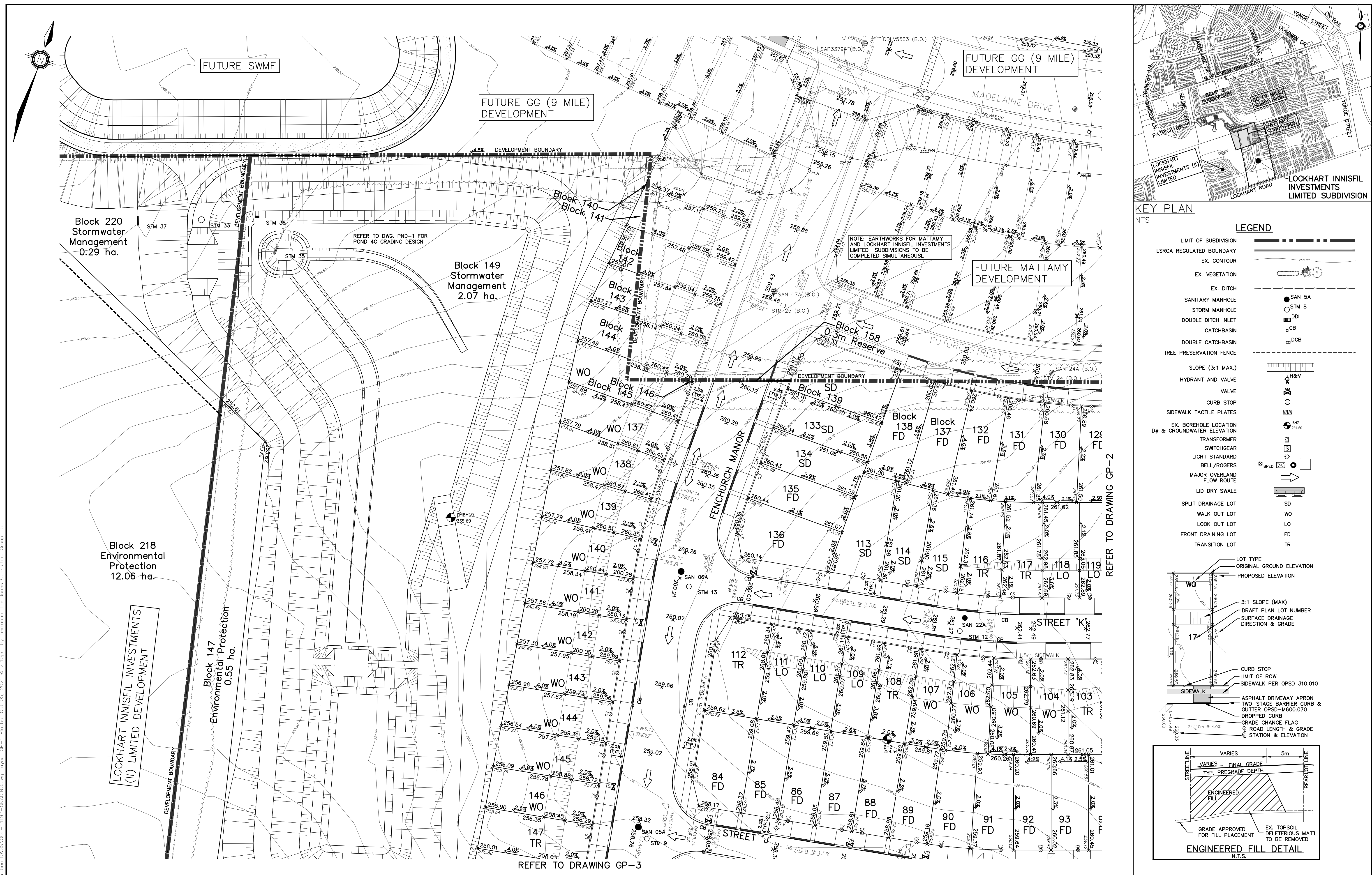
GENERAL SERVICING PLAN

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS

229 Mapleview Dr. E. Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN	VBS	SCALE: 1:1000	DATE	JULY 2021
DRAWN	VBS	PROJECT	DWG. NO	G-2
CHECKED	JWI	GOL-14193		

G:\Eng_20\GOL-14193-E\Production\DWG\GOL-14193-GENERAL SERVICING.dwg Layout:G-2 Plotted Oct 06, 2021 @ 2:13pm by Jermann, The Jones Consulting Group Ltd.

[illegible]





BENCHMARK:

BENCHMARK NO. 00193314605 SOUTHWEST CORNER OF ST. PAUL'S PRESIDENT AND YONGE STREET. TABLET SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S AGAZAN CHURCH AT NORTH-EAST CORNER (TOWARD 15.3m WEST OF BELLA ROY ELEV. 9.2m SOUTH-EAST OF V) IN TWN BRCH TREES 15cm BELOW BRCH. BENCHMARK NO. 0019868454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER DUNDAS, 4.90m EAST OF HURONA ROAD. TABLET IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28.0m WEST OF THE NORTH-EAST END OF BRIDGE, 15cm BELOW TOP OF COPING. ELEV. 241.662. BENCHMARK NO. 0019890407 LOCATED ON THE 28th SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONA ROAD. N4910727.680 E607083.931 BENCHMARK NO. 0019890404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m WEST OF YONGE STREET. N4910727.680 E607083.931				
1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI	
	NO. REVISIONS	DATE	INITIALS	



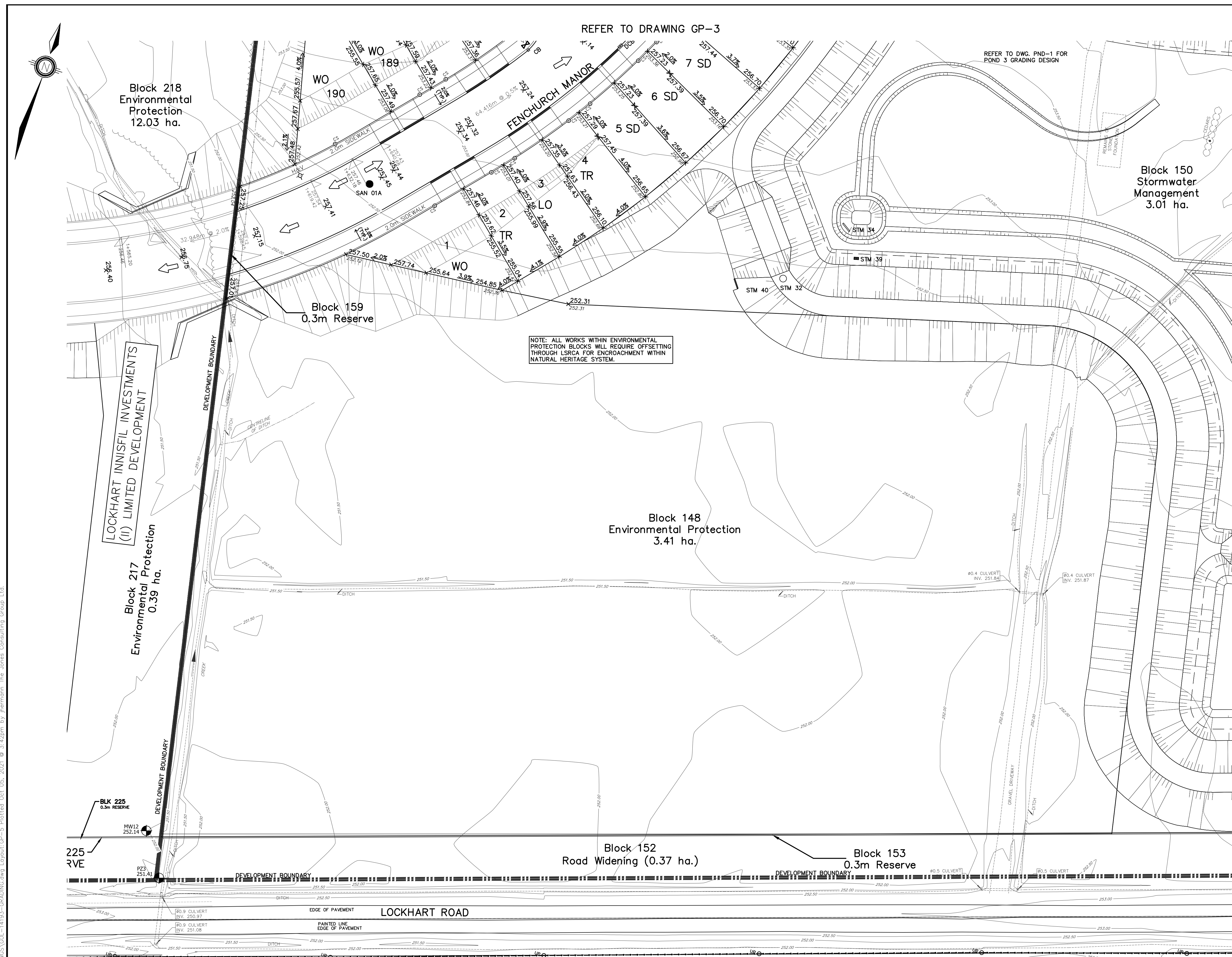
LOCKHART INNISFIL
INVESTMENTS LIMITED
SUBDIVISION

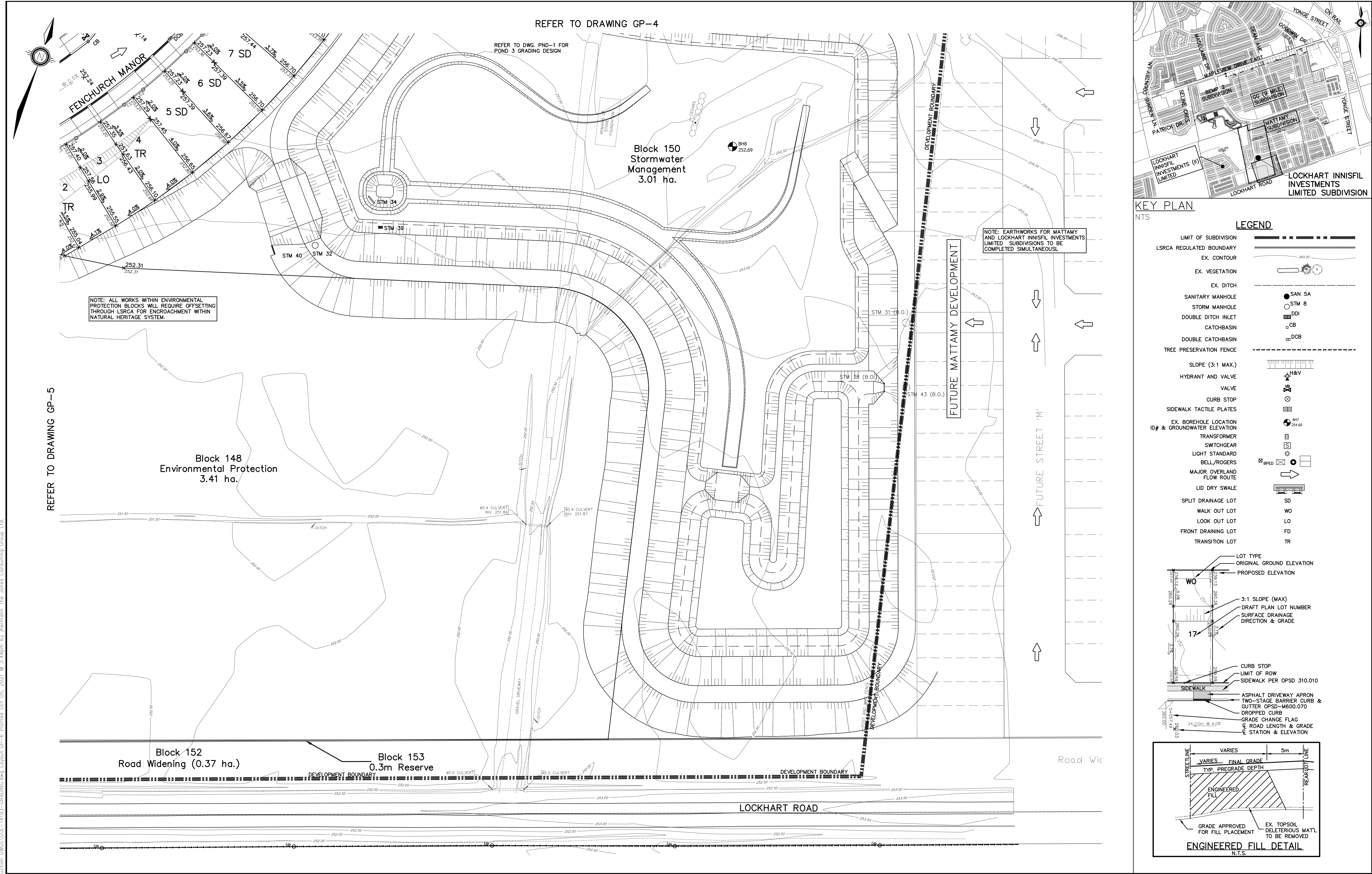
GRADING PLAN



**229 Mapleview Dr. E, Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056**

DESIGN	VBS	SCALE: 1:500	DATE	JULY 2021
DRAWN	VBS	PROJECT GOL-14193	DWG. NO	GP-4
CHECKED	JMI			





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BENCHMARK:

BENCHMARK NO: 001183114625 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET. TABLET SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 0.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK. ELEV 253.480

BENCHMARK NO: 0101980454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOVERS CREEK, 0.65m EAST OF HURONIA ROAD. TABLET IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 20cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV 241.862

BENCHMARK NO: 0101980407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N.4910727.688 E.607083.931 ELEV 253.480

BENCHMARK NO: 0101980404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 930m WEST OF YONGE STREET. N.4911189.897 E.608053.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL



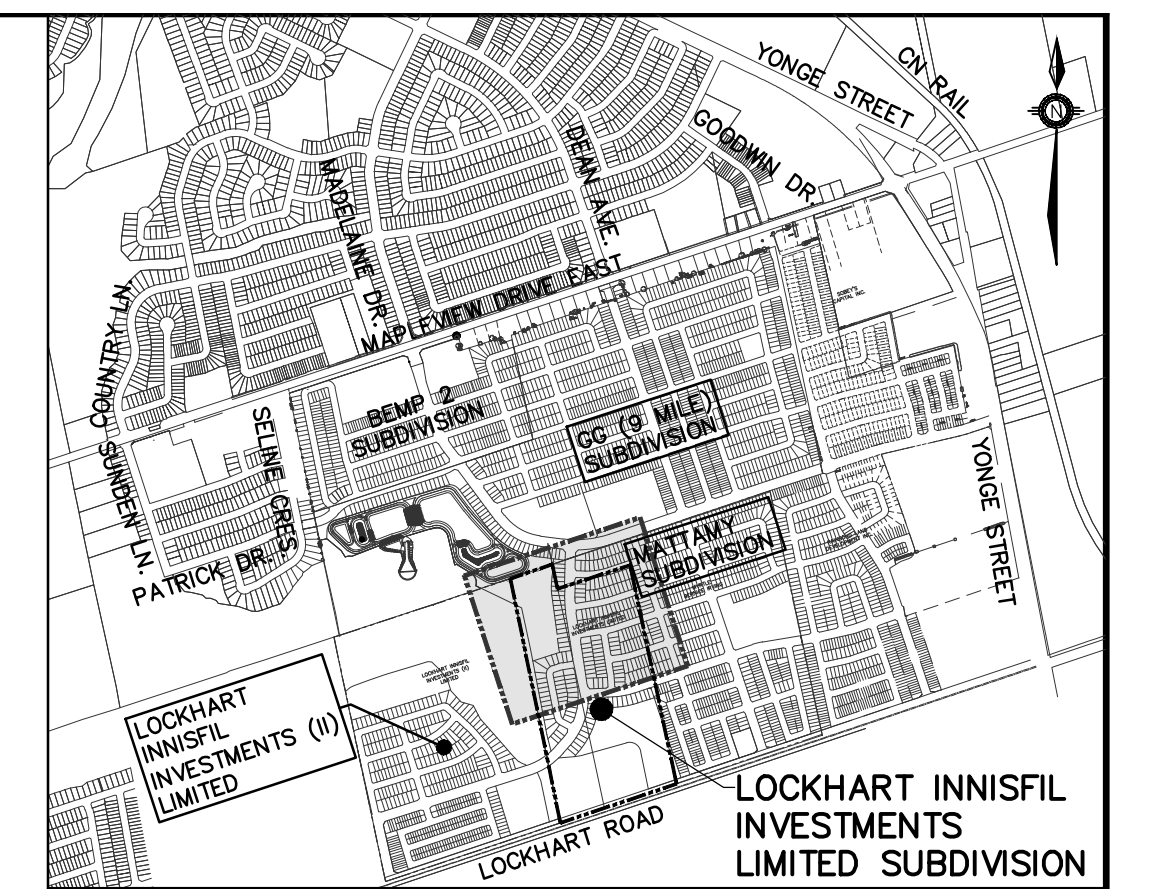
LOCKHART INNISFIL
INVESTMENTS LIMITED
SUBDIVISION

GRADING PLAN



229 Mapleview Dr. E. Unit 1
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F. 705.734.1056

DESIGN	VBS	SCALE: 1:500	DATE	JULY 2021
DRAWN	VBS	PROJECT	DWG. NO	
CHECKED	JWI	GOL-14193	GP-6	



STM 01 ○

CB □

DCB □

--- -- -- -- --> PROP. STORM SEWER
& DIRECTION OF FLOW

STM 01 (B.O.) ○

--- -- -- -- --> PROP. STORM SEWER
& DIRECTION OF FLOW
(BY OTHERS)

■ ■ ■ ■ ■ ■ ■ ■ CATCHMENT BOUNDARY

CATCHMENT AREA ID NUMBER

RUN-OFF COEFFICIENT

AREA (ha.)

DIRECTION OF
POST DEVELOPMENT
100 YEAR STORM EVENT
OVERLAND FLOW

DIRECTION OF EXTERNAL
POST DEVELOPMENT
100 YEAR STORM EVENT
OVERLAND FLOW

253.00

EXISTING CONTOUR AND ELEVATION

LIMIT OF SUBDIVISION

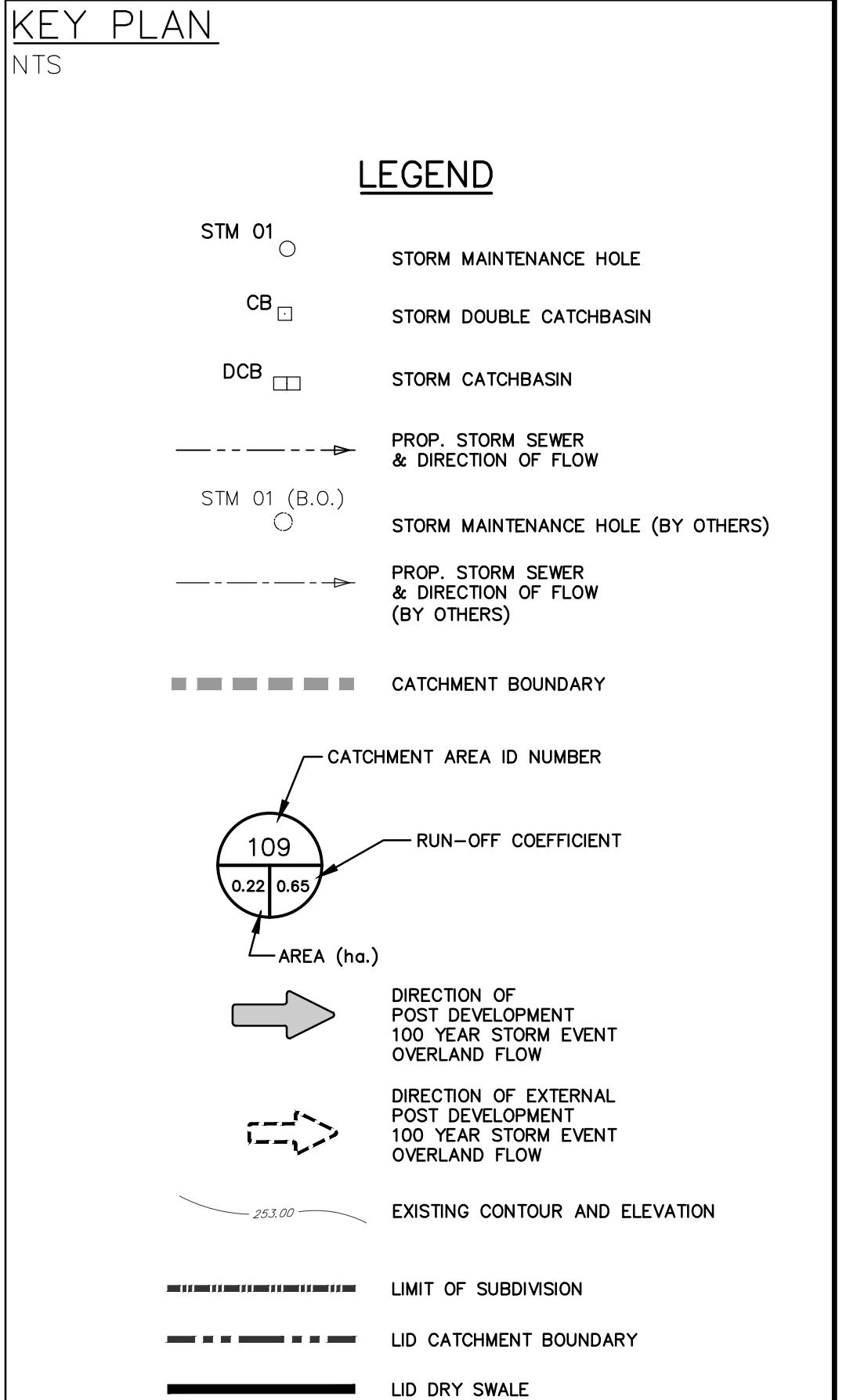
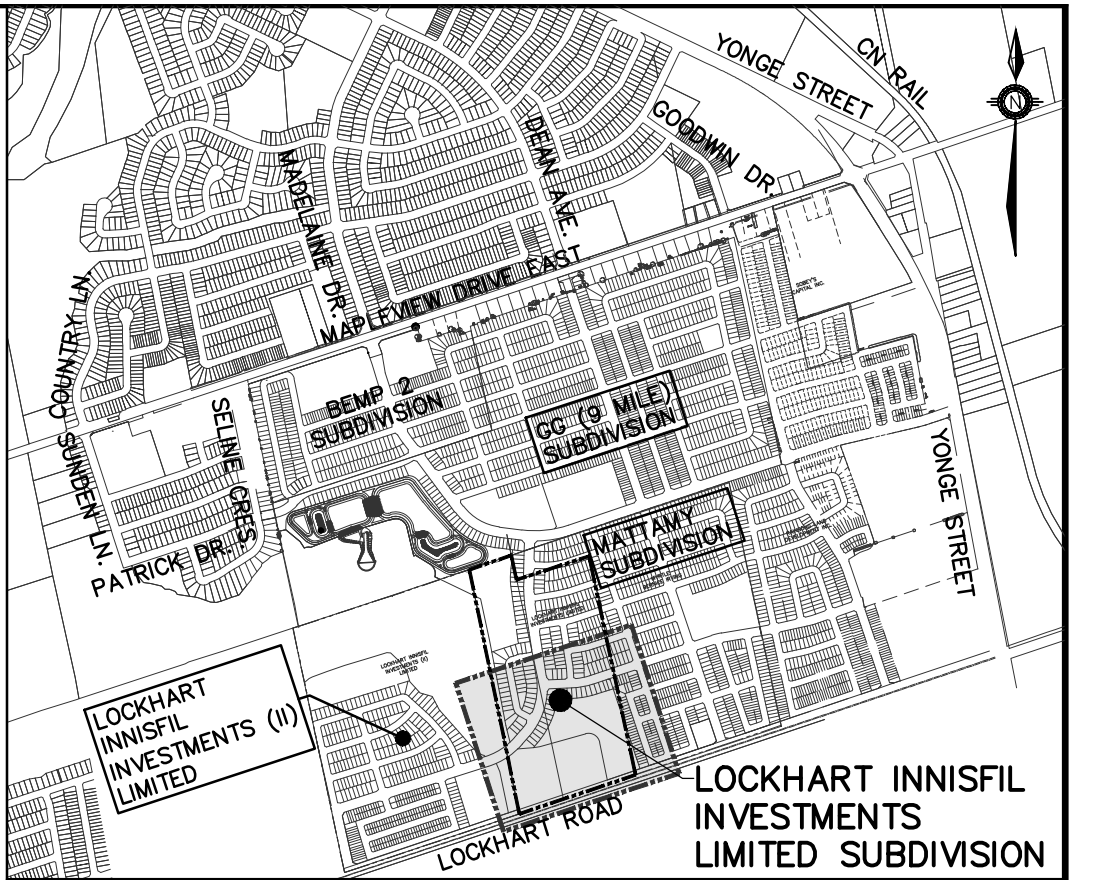
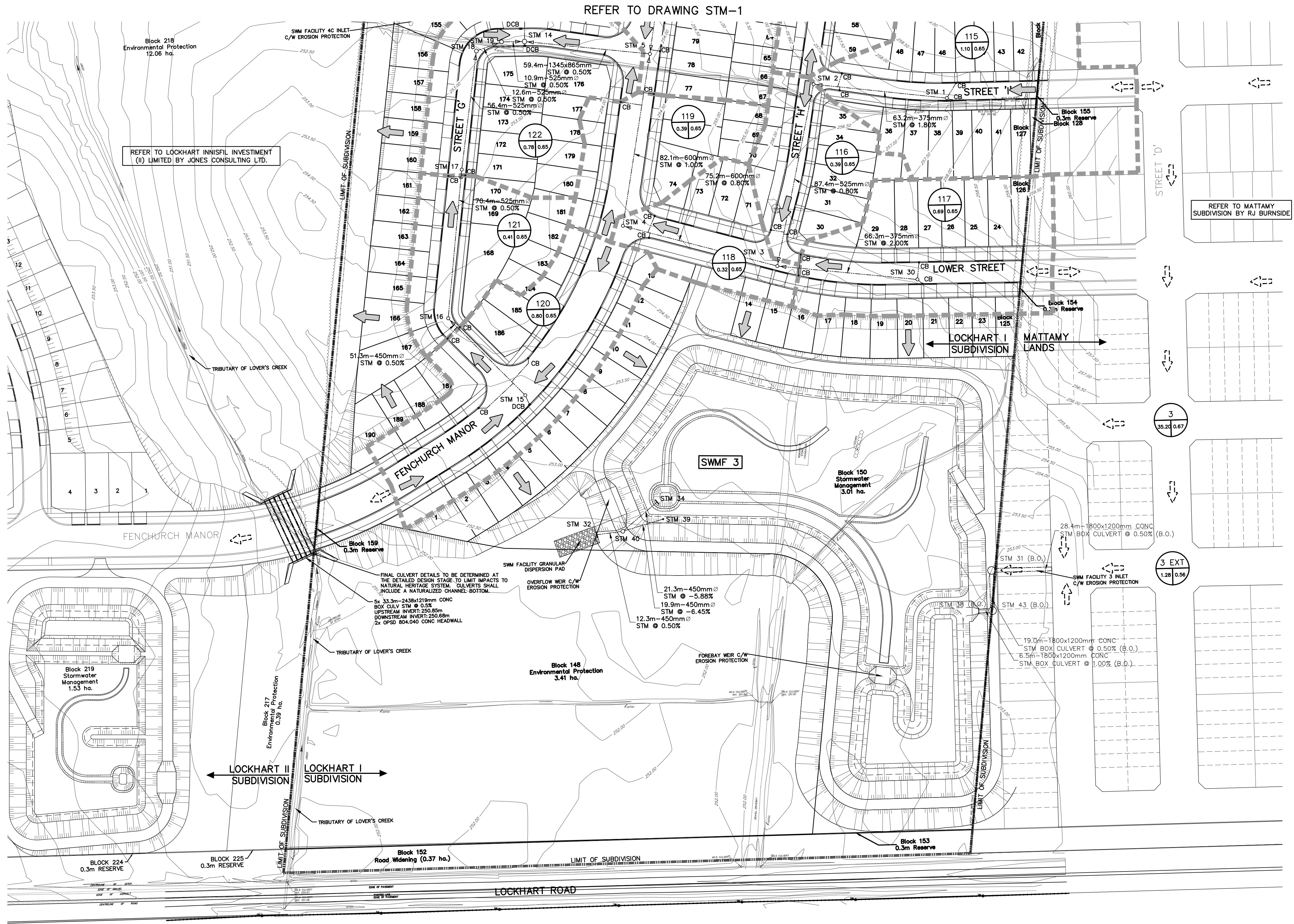
LID CATCHMENT BOUNDARY

LID DRY SWALE

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JW
NO.	REVISIONS	DATE	INITIAL



DESIGN VS	SCALE: 1:1000	DATE JULY 2021
DRAWN KC/VS	PROJECT GOL-14193	DWG. № STM-1
CHECKED JI		



BENCHMARK:

BENCHMARK NO: 001183114605 SOUTH WEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 0.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK. ELEV. 251.480

BENCHMARK NO: 0101980454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOVER'S CREEK, 0.65m EAST OF HURONIA ROAD, TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 20cm WEST OF THE NORTH-EAST CORNER, 19cm BELOW TOP OF COPING. ELEV. 241.862

BENCHMARK NO: 0101980407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N. 4910727.688 E. 607083.931

BENCHMARK NO: 0101980404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 930m WEST OF YONGE STREET. N. 4911189.897 E. 608653.316

NO.	REVISIONS	DATE	INITIAL
1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI



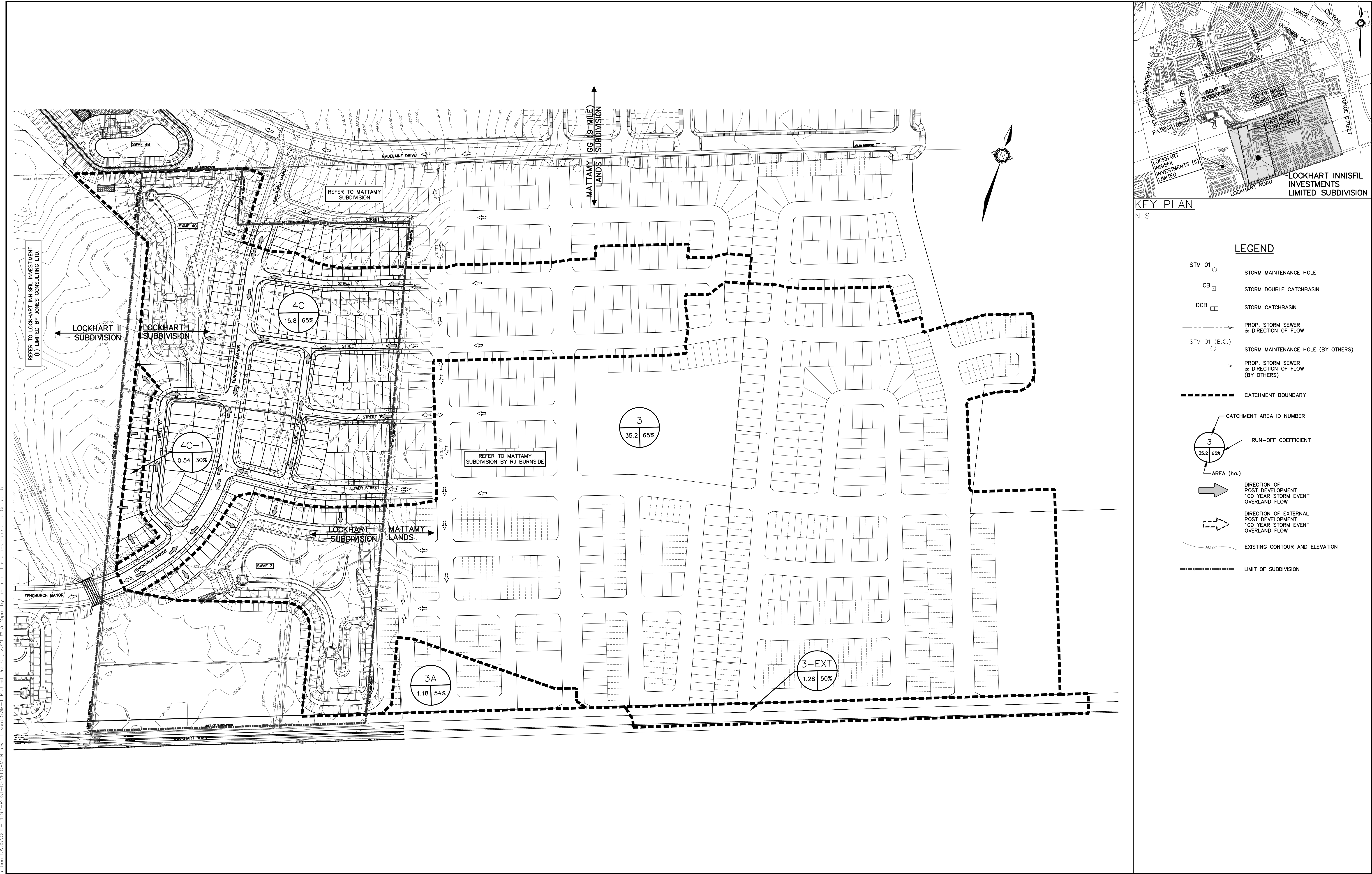
LOCKHART INNISFIL
INVESTMENTS LIMITED
SUBDIVISION

STORM SEWER
SUB-CATCHMENT PLAN



229 Mapleview Dr. E. Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN VI	SCALE: 1:1000	DATE JULY 2021
DRAWN KC/VS	PROJECT	DWG. NO
CHECKED JI	GOL-14193	STM-2



G:\Eng_3D\GOL-14193-E\Production\DWG\GOL-14193-POST-DEVELOPMENT.dwg Layout:SWM-1 Plotted Oct 05, 2021 @ 3:35pm by Jermom The Jones Consulting Group Ltd.

BENCHMARK:

BENCHMARK NO: 001183114605 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLET SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK. ELEV. 253.480

BENCHMARK NO: 01019805454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOVERS CREEK, 0.65m EAST OF HURONIA ROAD, TABLET IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 20cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV. 241.862

BENCHMARK NO: 01019806407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE, APPROXIMATELY 500m EAST OF HURONIA ROAD. N. 4910727.688 E. 607083.931

BENCHMARK NO: 01019806404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE, APPROXIMATELY 930m WEST OF YONGE STREET. N. 4911189.897 E. 606953.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI		
NO.	REVISIONS	DATE	INITIAL		



LOCKHART INNISFIL INVESTMENTS LIMITED SUBDIVISION

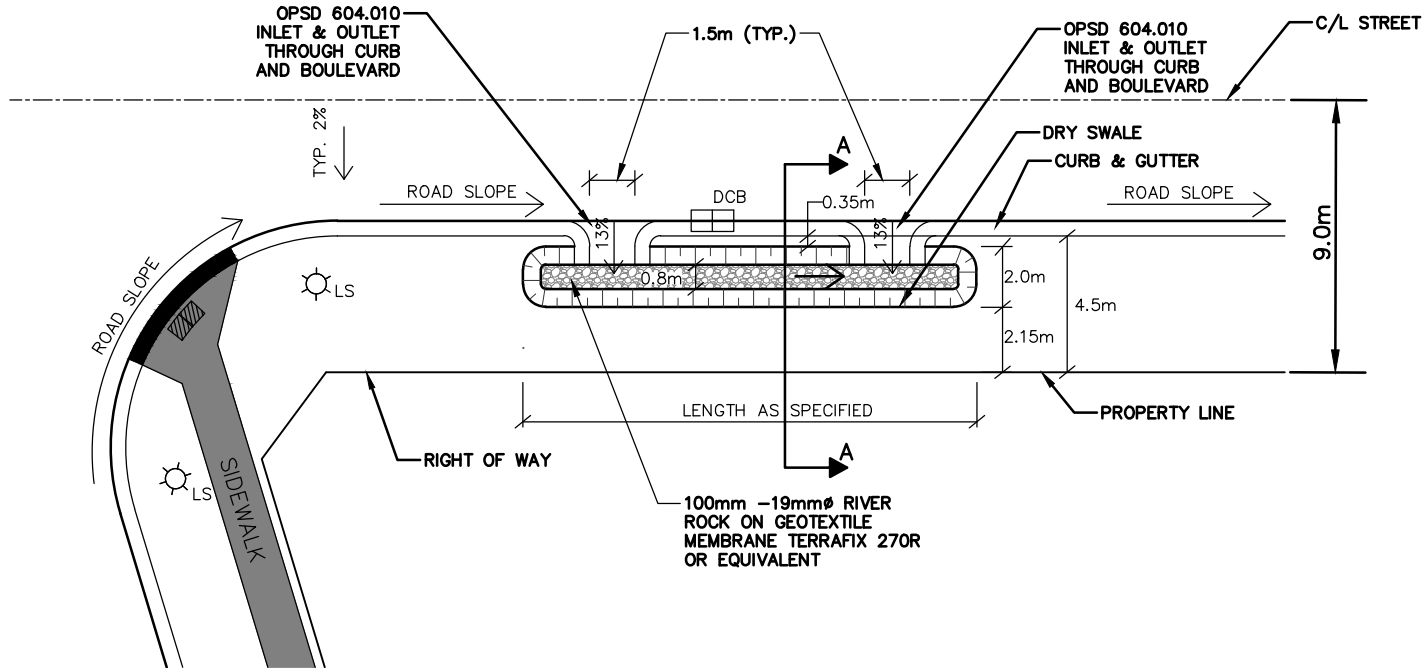
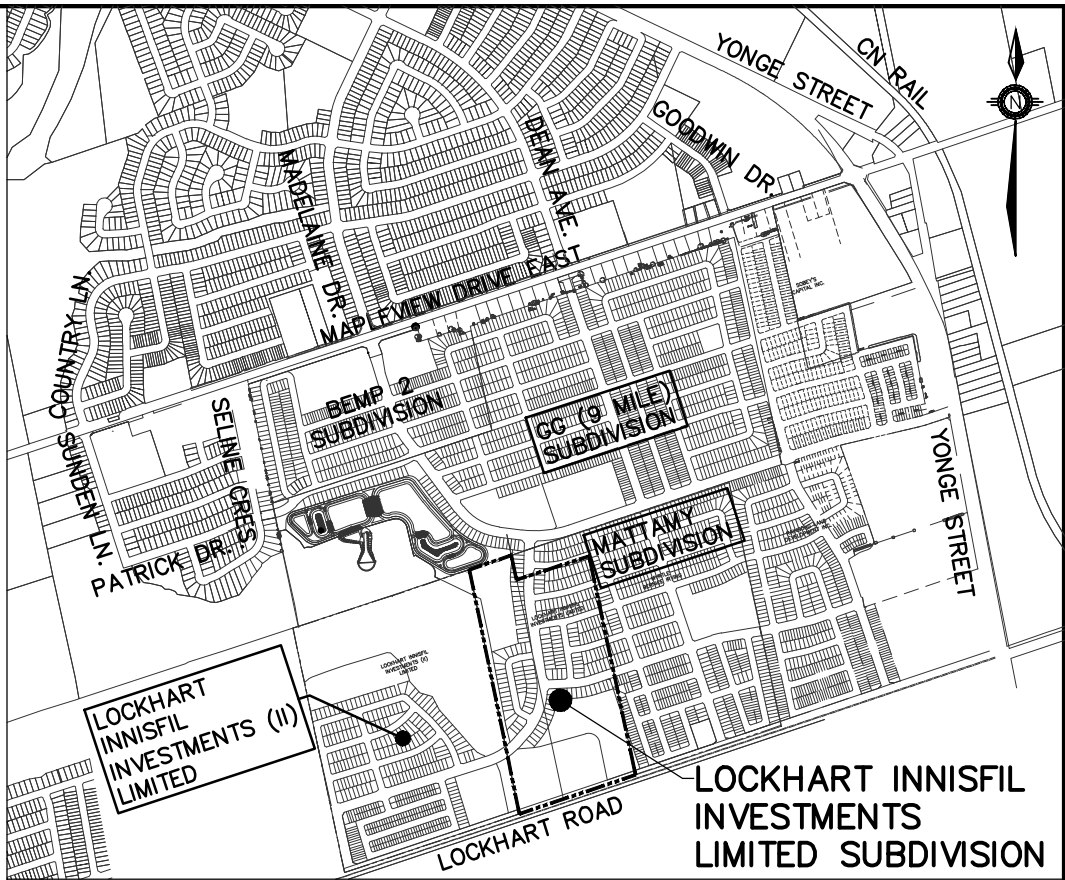
POST-DEVELOPMENT DRAINAGE AREA PLAN SWM FACILITIES 3 & 4C



229 Mapleview Dr. E. Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
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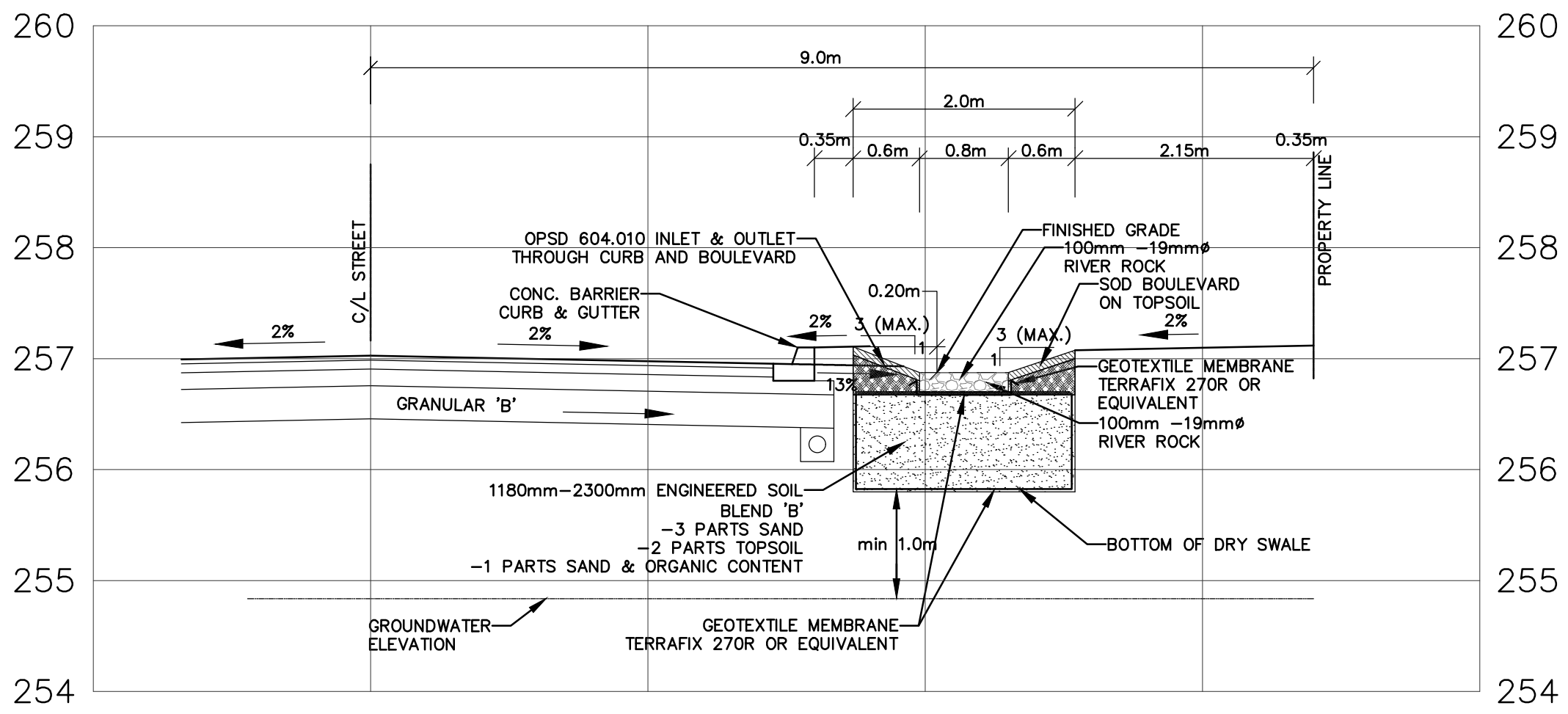
DESIGN	VS	SCALE: 1:2000	DATE	AUGUST 2021
DRAWN	KC/VS	PROJECT	DWG. NO	
CHECKED	JJ	GOL-14193	SWM-1	

Location	Catchment ID	Area (ha)	Infiltration Rate (mm/hr)	Percent Impervious	Length (m)	Width (m)	Total Depth (m)	North/West End			South/East End		
								Ground Elevation	Water Table Elevation	Distance from Bottom of Swale to Water Table Elevation	Ground Elevation	Water Table Elevation	Distance from Bottom of Swale to Water Table Elevation
Street E	4C-501	0.12	13	65%	23.00	2.00	1.30	260.36	257.69	1.36	260.80	258.49	1.00
Street J	4C-502	0.09	13	65%	50.00	2.00	1.30	260.36	257.69	1.36	260.80	258.49	1.00
Street J	4C-503	0.14	13	65%	25.00	2.00	1.18	259.25	257.07	1.00	259.73	257.29	1.26
Street I	4C-504	0.20	13	65%	25.00	2.00	1.30	258.99	256.66	1.01	259.30	256.98	1.00
Street I	4C-505	0.18	13	65%	25.00	2.00	2.00	258.99	255.97	1.00	259.30	256.20	1.08
Street G	4C-506	0.45	13	65%	50.00	2.00	2.20	255.97	252.44	1.32	256.22	253.01	1.00
Street G	4C-507	0.06	13	65%	25.30	2.00	2.30	256.85	253.53	1.00	257.00	253.31	1.37
Street G	4C-508	0.09	13	65%	25.00	2.00	1.93	256.85	253.91	1.00	257.14	253.76	1.44



NO SIDEWALK — PLAN VIEW

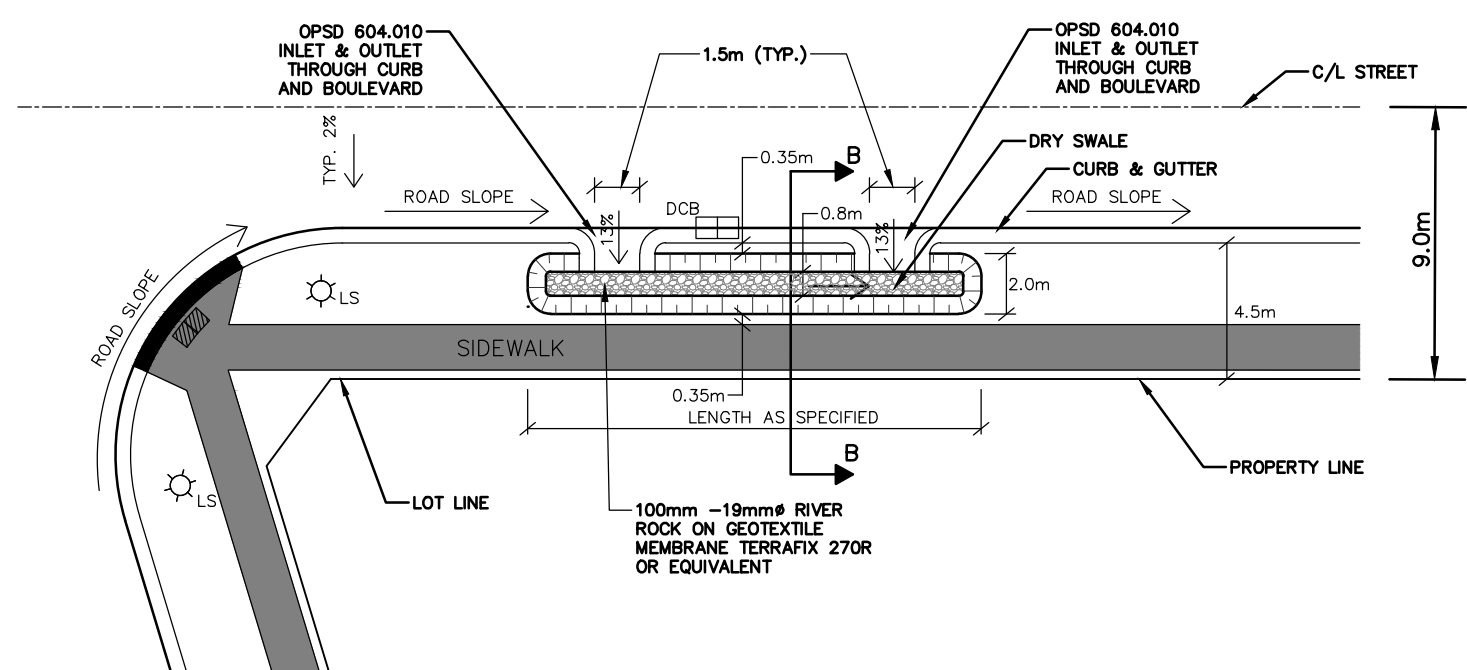
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SECTION A-A

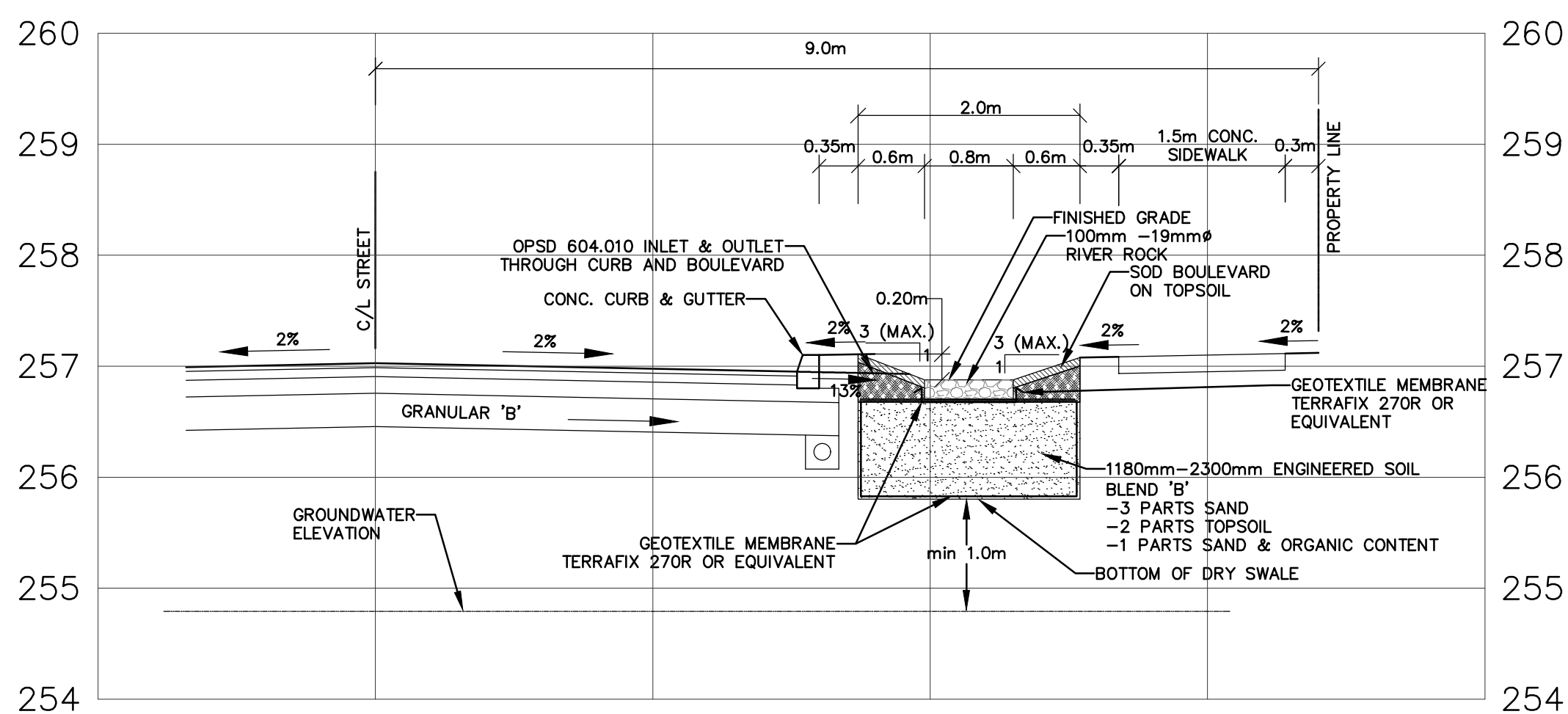
1:50

NOTE: ENGINEERED SOIL DEPTH VARIES TO MEET LID'S TOTAL DEPTH OUTLINED IN THE TABLE BELOW



SIDEWALK — PLAN VIEW

1:250



SECTION B-B

1:50

NOTE: ENGINEERED SOIL DEPTH VARIES TO MEET LID'S TOTAL DEPTH OUTLINED IN THE TABLE BELOW

BENCHMARK:

BENCHMARK NO: 00119314605 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET. TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK. ELEV. 253.480

BENCHMARK NO: 01019805454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOVERS CREEK, 0.65m EAST OF HURONIA ROAD. TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTERLINE OF ROAD, 26cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV. 241.862

BENCHMARK NO: 01019806407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N. 4910727.688 E. 607083.931

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1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI	
NO.	REVISIONS	DATE	INITIAL	

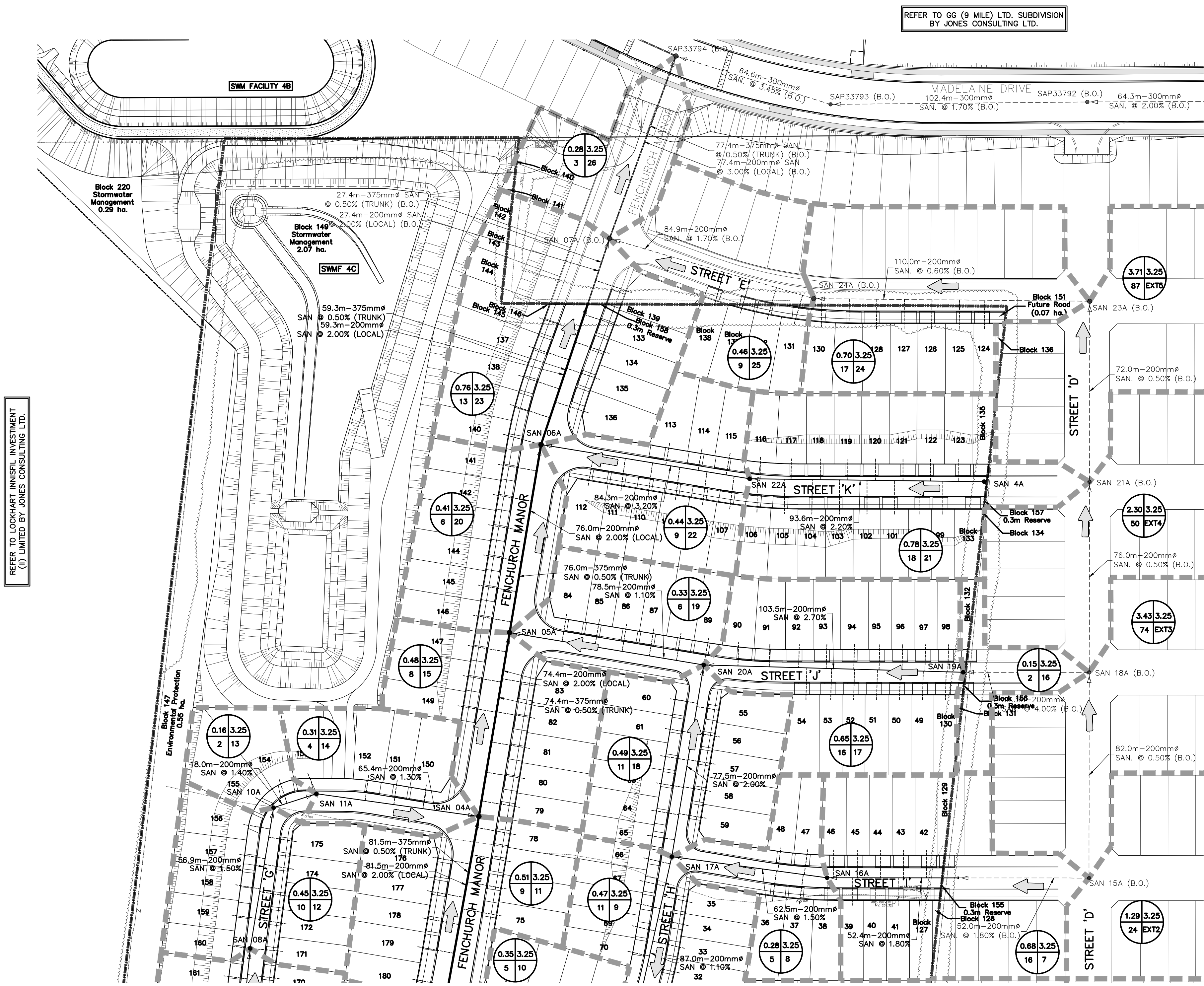
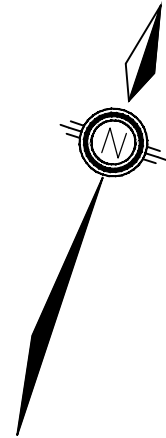


LOCKHART INNISFIL INVESTMENTS LIMITED SUBDIVISION
LID SECTIONS AND DETAILS
DRY SWALES



229 Mapleview Dr. E. Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN VI	SCALE: 1:1000	DATE JULY 2021
DRAWN KC/VS	PROJECT	DWG. NO
CHECKED JI	GOL-14193	LID-1

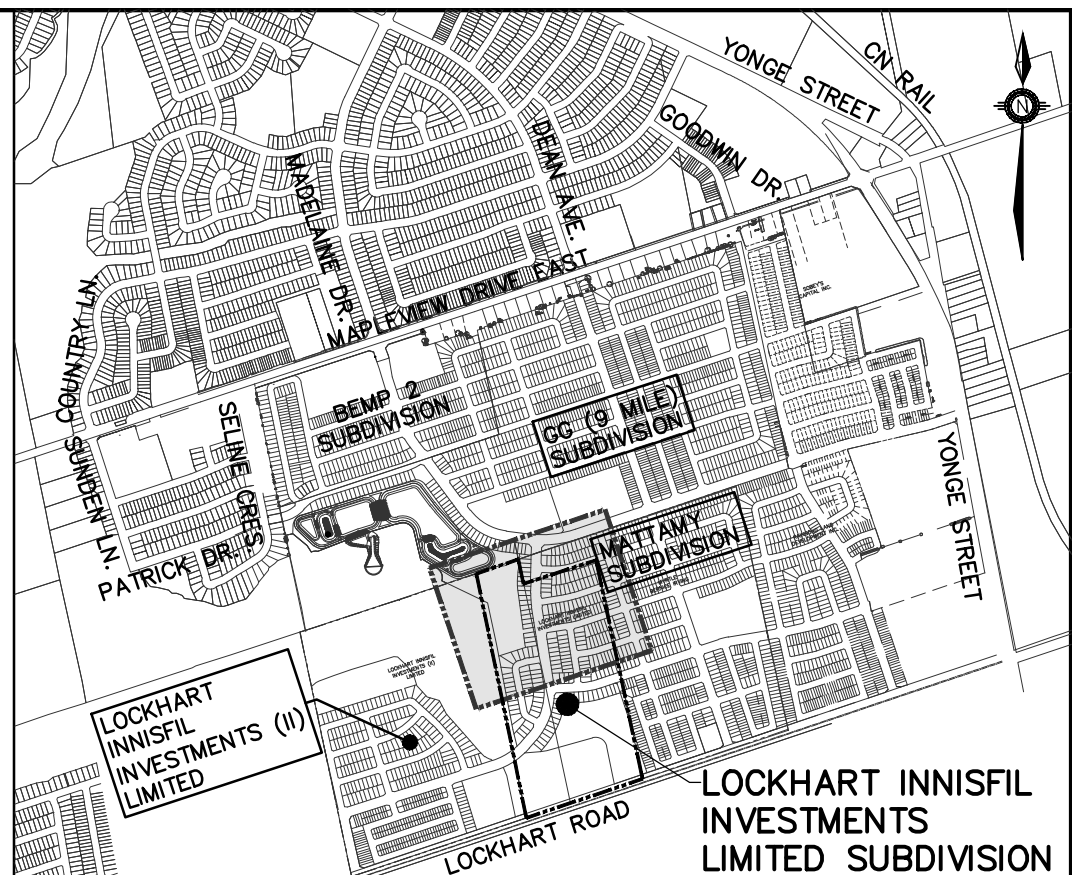


REFER TO LOCKHART INNISFIL INVESTMENT (I) LIMITED BY JONES CONSULTING LTD.

REFER TO GG (9 MILE) LTD. SUBDIVISION BY JONES CONSULTING LTD.

REFER TO MATTAMY SUBDIVISION BY RJ BURNSIDE

REFER TO DRAWING SAN-2



KEY PLAN
NTS

LEGEND

- Sanitary Maintenance Hole
- Sanitary Sewer & Direction of Flow
- Sanitary Service
- Sanitary Sewer Direction of Flow (by Others)
- Sanitary Maintenance Hole (by Others)
- Sub Catchment Boundary
- Limit of Subdivision
- Direction of Flow
- Area (ha.)
- Persons per Unit
- No. of Units
- Catchment Area ID Number

G:\Eng_3D\GOL-14193-E\Production DWG\GOL-14193-SANITARY DRAINAGE.dwg Layout\SAN-1 Plotted Oct 05, 2021 @ 3:44pm by Jermom, The Jones Consulting Group Ltd.

BENCHMARK:

BENCHMARK NO: 00118314605 SOUTH WEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 0.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15m BELOW BRICK.

BENCHMARK NO: 0101980454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOVERS CREEK, 0.65m EAST OF HURONIA ROAD, TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 20m WEST OF THE NORTH-EAST END OF BRIDGE, 19m BELOW TOP OF COPING.

BENCHMARK NO: 0101980407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N:4910727.688 E:607083.931

BENCHMARK NO: 0101980404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 930m WEST OF YONGE STREET. N:4911189.897 E:608053.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL

LOCKHART INNISFIL INVESTMENTS LIMITED SUBDIVISION

SANITARY DRAINAGE AREA PLAN

JONES CONSULTING GROUP LTD. PLANNERS & ENGINEERS

229 Mapleview Dr. E. Unit 1
Barrie, ON L4N 0W5
P. 705.734.2538
F. 705.734.1056

DESIGN	KC	SCALE: 1:1000	DATE	MAY 2021
DRAWN	KC	PROJECT	DWG. NO	
CHECKED	JL	GOL-14193	SAN-1	

BENCHMARK:

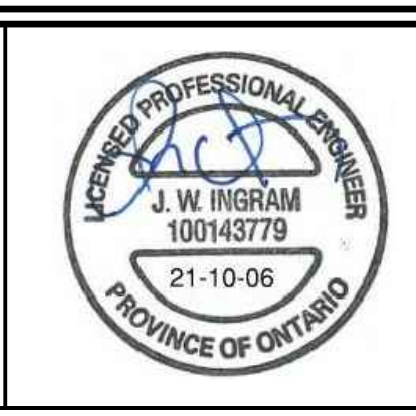
BENCHMARK NO: 00118314605 SOUTH WEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 0.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15m BELOW BRICK.

BENCHMARK NO: 0101980454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOVERS CREEK, 0.65m EAST OF HURONIA ROAD, TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 20m WEST OF THE NORTH-EAST END OF BRIDGE, 19m BELOW TOP OF COPING.

BENCHMARK NO: 0101980407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N:4910727.688 E:607083.931

BENCHMARK NO: 0101980404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 930m WEST OF YONGE STREET. N:4911189.897 E:608053.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI	
NO.	REVISIONS	DATE	INITIAL	



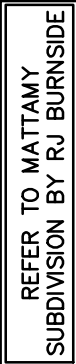
LOCKHART INNISFIL INVESTMENTS LIMITED SUBDIVISION

SANITARY DRAINAGE AREA PLAN

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DESIGN	KC	SCALE: 1:1000	DATE	MAY 2021
DRAWN	KC	PROJECT	DWG. NO	
CHECKED	JL	GOL-14193	SAN-1	

[illegible]

BENCHMARK NO: 001913046025 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLET SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, APPROXIMATELY 10' NORTH-EAST CORNER (TOWARD) 15.2m WEST OF BELL PLEIN DRIVE, 283.40m
BENCHMARK NO: 00191865454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER RAILROAD TRACKS, 20.0m SOUTH OF 100' WYNN BRIDGE TREES 15m DOWNHILL IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST CORNER OF BRIDGE, 19cm BELOW TOP OF COPING.
ELEV. 241.862
BENCHMARK NO: 001910860407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N.4910727.688 E.67083.931
BENCHMARK NO: 001910860404 LOCATED ON THE SOUTHWEST CORNER OF THE INTERSECTION OF 230m
ELEV. 241.862

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL



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F. 705.734.1056

DESIGN KC	SCALE: 1:1000	DATE MAY 2021
DRAWN KC	PROJECT	DWG. №
CHECKED JL	GOL-14193	SAN-2

Barrie

n ≥ 0.013

M = 5/P*0.2 Babbitt

M=1+[(14*(4+P*0.5))]/Harmom

Q_p = P*Q_m/86.4

Q_e = I*A

Q_{tot} = Q_p + Q_e

SANITARY SEWER DESIGN - LOCAL SEWER

Development Details Basis

DESIGN SHEET 1 of 1

FILE NO. GOL-14193

CONTRACT / PROJECT

Numbers in blue or text in red are equations

(Harmom or Babbitt peaking factor where; M ≥ 2), the greater of the two is used in the spreadsheet. Please refer to Section 3.3.1.1 of the Barrie Sanitary Design Guidelines for additional guidance on which peaking factor to use.

(Peak population flow where; Q = 225 L/day/person; P = population in thousands)

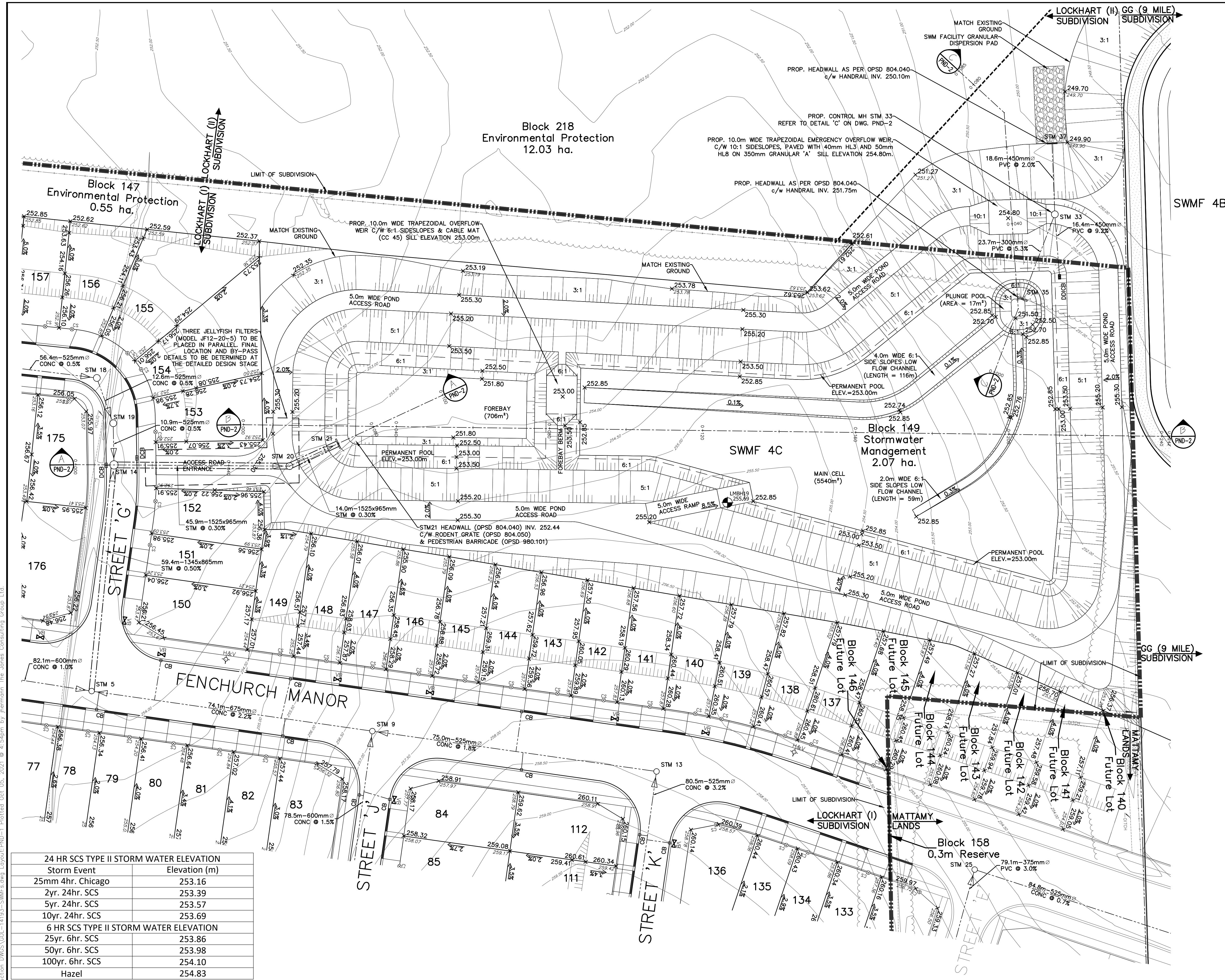
(Peak extraneous flow; I= 0.01L/s/ha over development area)

(Total peak flow as the sum of peak population flow and peak extraneous flow)

STREET	AREA	MAINTENANCE HOLE		DWELL UNITS	DWELL (ACC) UNITS	DENSITY P.P.U.	POP. (P)	POP. (ACC)	M PEAKING FACTOR BABBIT	M PEAKING FACTOR HARMON	MAX PEAKING FACTOR	Q _p	AREA (ha)	AREA (ACC) (ha)	Q _i (l/s)	Q _{tot} (l/s)	L (m)	D (mm)	S (%)	Q _f FULL (l/s)	d/D ^(1/2)	d/D ^(1/3) >0.5 or >0.7	Velocity FULL (m/s)	Velocity Partial ⁽¹⁾ (m/s)	Velocity ⁽²⁾ > 0.6 (m/s)
		FROM	TO																						
Fenchurch Manor	1	1A	2A	9	9	3.25	29	29	10.133	4.356	10.133	0.772	0.66	0.66	0.066	0.838	71.9	200	2.00	46.384	0.093	Ok	1.476	0.550	Check
Fenchurch Manor	2	31A	31A	7	16	3.25	23	52	9.032	4.311	9.032	1.223	0.38	1.04	0.104	1.327	48.0	200	1.80	44.004	0.119	Ok	1.401	0.610	Ok
Fenchurch Manor	3	31A	3A	7	23	3.25	23	75	8.399	4.276	8.399	1.635	0.40	1.44	0.144	1.779	48.3	200	1.40	38.808	0.145	Ok	1.235	0.609	Ok
Lower Street	EXT1		12A	280		3.25	910																		
Lower Street	EXT1		12A	408		2.57	1049						24.05	24.05											
Lower Street	5 (Trunk)	12A	13A		688			1959	4.371	3.593	4.371	22.294	0.79	24.84	2.484	24.778	110.0	375	0.50	123.977	0.303	Ok	1.123	0.850	Ok
Lower Street	5A (Local)	12A	13A	13		3.25	42																		
Lower Street	5B (Local)	12A	13A	5	18	2.57	13	55	8.928	4.306	8.928	1.281		0.79	0.079	1.360	110.0	200	1.70	42.764	0.122	Ok	1.361	0.606	Ok
Lower Street	6 (Trunk)	13A	14A		706			2014	4.347	3.583	4.347	22.794	0.50	25.34	2.534	25.328	75.8	375	0.50	123.977	0.306	Ok	1.123	0.855	Ok
Lower Street	6 (Local)	13A	14A	9	9	3.25	29	29	10.133	4.356	10.133	0.772	0.50	0.050	0.822		75.8	200	2.00	46.384	0.092	Ok	1.476	0.550	Check
Street I	7	15A	16A	16	16	3.25	52	52	9.032	4.311	9.032	1.223	0.68	0.68	0.068	1.291	104.4	200	1.80	44.004	0.117	Ok	1.401	0.610	Ok
Street I	8	17A	18A	5	21	3.25	16	65	8.554	4.205	8.554	1.554	0.96	0.086	1.616	62.5	200	1.50	40.170	0.136	Ok	1.279	0.605	Ok	
Street H	9	17A	14A	11	32	3.25	36	104	7.863	4.239	7.863	2.129	0.47	1.43	0.143	2.272	87.0	200	1.10	34.369	0.174	Ok	1.095	0.606	Ok
Lower Street	10 (Trunk)	14A	3A		747			2147	4.291	3.562	4.291	23.993	0.35	27.12	2.712	26.705	75.4	375	0.50	123.977	0.315	Ok	1.123	0.868	Ok
Lower Street	10 (Local)	14A	3A	5	5	3.25	16	16	11.397	4.362	11.397	0.482	0.35	0.305	0.517	75.4	200	2.00	46.384	0.074	Ok	1.476	0.476	Ok	
Fenchurch Manor	11 (Trunk)	3A	4A		775			2238	4.256	3.547	4.256	24.803	0.51	29.07	2.907	27.710	81.5	375	0.50	123.977	0.321	Ok	1.123	0.876	Ok
Fenchurch Manor	11 (Local)	3A	4A	9	9	3.25	29	29	10.133	4.356	10.133	0.772	0.51	0.051	0.823	81.5	200	2.00	46.384	0.092	Ok	1.476	0.550	Check	
Street G	4	9A	8A	10	10	3.25	33	33	9.922	4.349	9.922	0.840	0.62	0.62	0.062	0.902	74.3	200	2.00	46.384	0.086	Ok	1.476	0.566	Check
Street G	12	8A	10A	10	20	3.25	33	65	8.637	4.290	8.637	1.462	0.45	1.07	0.107	1.589	56.9	200	1.50	40.170	0.134	Ok	1.279	0.605	Ok
Street G	13	10A	11A	2	22	3.25	7	72	8.474	4.281	8.474	1.576	0.16	1.23	0.123	1.701	18.0	200	1.40	38.808	0.142	Ok	1.235	0.604	Ok
Street G	14	11A	4A	4	26	3.25	13	85	8.196	4.263	8.196	1.804	0.31	1.54	0.154	1.958	65.4	200	1.30	37.396	0.155	Ok	1.190	0.613	Ok
Fenchurch Manor	15 (Trunk)	4A	5A		810			2352	4.214	3.530	4.214	25.807	0.48	31.1	3.109	28.916	74.4	375	0.50	123.977	0.328	Ok	1.123	0.885	Ok
Fenchurch Manor	15 (Local)	4A	5A	8	8	3.25	26	26	10.375	4.384	10.375	0.702	0.48	0.048	0.760	74.4	200	2.00	46.384	0.088	Ok	1.476	0.534	Check	
Street J	16	18A	19A	2	2	3.25	7	7	13.689	4.431	13.689	0.232	0.15	0.15	0.015	0.247	50.3	200	4.00	65.997	0.044	Ok	2.088	0.486	Check
Street J	17	19A	20A	16	18	3.25	52	59	8.821	4.300	8.821	1.344	0.65	0.80	0.080	1.424	103.5	200	2.70	53.893	0.111	Ok	1.715	0.722	Ok
Street H	18	17A	20A	11	11	3.25	36	36	9.735	4.342	9.735	0.906	0.49	0.49	0.049	0.955	77.5	200	2.00	46.384	0.099	Ok	1.476	0.577	Check
Street J	19	20A	5A	6	35	3.25	20	114	7.723	4.228	7.723	2.288	0.33	1.62	0.162	2.450	78.5	200	1.10	34.399	0.180	Ok	1.095	0.619	Ok
Fenchurch Manor	20 (Trunk)	5A	6A		853			2491	4.166	3.510	4.166	27.027	0.41	33.12	3.312	30.339	76.0	375	0.50	123.977	0.336	Ok	1.123	0.898	Ok
Fenchurch Manor	20 (Local)	5A	6A	6	6	3.25	20	20	10.989	4.362	10.989	0.558	0.38	0.41	0.041	0.599	76.0	200	2.00	46.384	0.079	Ok	1.476	0.501	Check
Street K	21	4A	22A	18	18	3.25	59	59	8.821	4.300	8.821	1.344	0.78	0.78	0.078	1.422	93.6	200	2.20	48.464	0.117	Ok	1.549	0.675	Ok
Street K	22	22A	6A	9	27	3.25	29	88	8.134	4.259	8.134	1.859	0.44	1.22	0.122	1.981	84.3	200	3.20	58.672	0.125	Ok	1.868	0.849	Ok
Fenchurch Manor	23 (Trunk)	6A	7A		888			2599	4.131	3.495	4.131	27.954	0.76	35.10	3.510	31.484	86.7	375	0.50	123.977	0.343	Ok	1.123	0.905	Ok
Fenchurch Manor	23 (Local)	6A	7A	13	13	3.25	42	42	9.415	4.329	9.415	1.038	0.76	0.76	0.076	1.112	86.7	200	2.00	46.384	0.106	Ok	1.476	0.803	Ok
Street D	EXT.2			24		3.25	78						1.29												
Street D	EXT.3			74		3.25	241						3.43												
Street D	EXT.4			50		3.25	163						2.30												
Street E	EXT.5			87		3.25	283						3.71												
Street E	24	23A	24A	17	252	3.25	55	819	5.204	3.854	5.204	11.099	0.70	11.43	1.143	12.242	110.0	200	0.60	25.406	0.489	Ok	0.809	0.781	Ok
Street E	25	24A	7A	9	261	3.25	29	848	5.167	3.845	5.167	11.415	0.46	11.89	1.189	12.604	84.9	200	1.70	42.764	0.371	Ok	1.361	1.151	Ok
Fenchurch Manor	26 (Trunk)	7A	SAP33794		1160			3489	3.894	3.386	3.894	35.385	0.28	47.27	4.727	40.112	77.4	375	0.50	123.977	0.391	Ok	1.123	0.967	Ok
Fenchurch Manor	26 (Local)	7A	SAP33794	3	3	3.25	10	10	12.623	4.416	12.623	0.321	0.28	0.028	0.349	77.4	200	3.00	56.859	0.056	Ok	1.808	0.452	Ok	Check

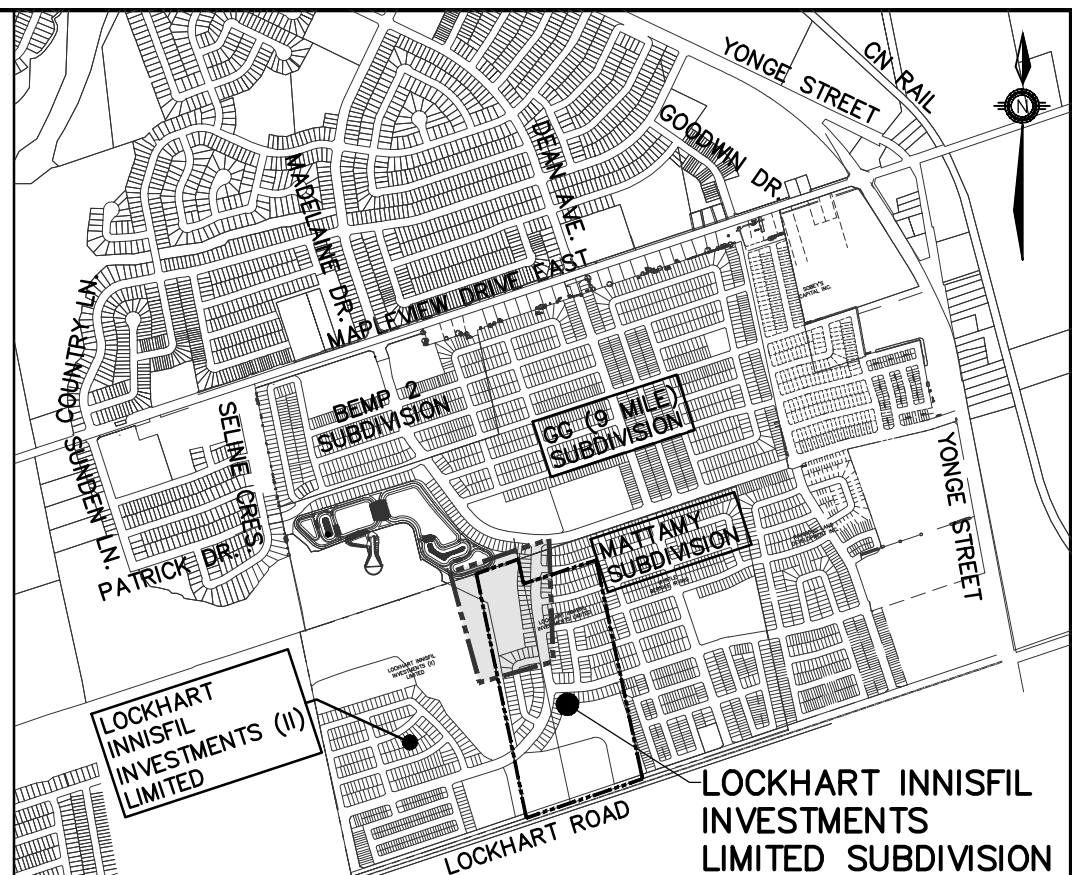
GOL-14193 Lockhart I															October 2021			
5 Year Storm Sewer Sizing																		
AREAS	Street	MANHOLE		LENGTH (m)	INCREMENT			TOTAL CA	FLOW TIME (min)		I (mm/h)	TOTAL Q (cms)	S (%)	D (mm)	Q FULL (cms)	V FULL (m/s)	% FULL	
		FROM	TO		C	A	CA		TO	IN								
From Matlamty to GG 9 Mile ↓																		
101	Street 'D'	STM 22	STM DDLV5555	85.5	0.65	1.17	0.76	0.76	10.00	0.93	109	0.230	450mmØ shown in GG (9 Mile)	0.60	525	0.333	1.5	69.0
From Matlamty to GG 9 Mile ↓																		
102	Street 'E'	STM 23	STM 24	55.2	0.65	0.49	0.32	0.32	10.00	0.46	109	0.097	2.10	300	0.140	2.0	69.2	
103	Street 'E'	STM 24	STM 25	79.1	0.65	0.68	0.44	0.76	10.46	0.48	106	0.224	3.00	375	0.304	2.7	73.9	
104	Fenchurch Manor	STM 25	STM DDLV5563	84.8	0.65	0.52	0.34	1.10	10.94	0.85	104	0.318	0.70	525	0.360	1.7	88.3	
From Matlamty to Lockhart ↓																		
105	Street 'K'	STM 10	STM 11		0.65	1.85	1.20											
106	Street 'K'	STM 10	STM 11	77.5	0.65	0.11	0.07	1.28	10.00	0.48	109	0.386	1.80	525	0.577	2.7	66.9	
107	Street 'K'	STM 11	STM 12	62.5	0.65	0.19	0.12	1.40	10.48	0.39	106	0.413	1.80	525	0.577	2.7	71.6	
108	Street 'K'	STM 12	STM 13	80.5	0.65	0.37	0.24	1.64	10.88	0.38	104	0.475	3.20	525	0.769	3.6	61.7	
109	Fenchurch Manor	STM 13	STM 9	75.0	0.65	0.21	0.14	1.78	11.25	0.47	102	0.506	1.80	525	0.577	2.7	87.7	
110	Street 'J'	STM 6	STM 7	84.5	0.65	1.32	0.86	0.86	10.00	0.44	109	0.259	4.00	375	0.351	3.2	73.8	
111	Street 'J'	STM 7	STM 8	69.7	0.65	0.75	0.49	1.34	10.44	0.46	106	0.397	1.60	525	0.544	2.5	73.0	
112	Street 'H'	STM DCB	STM 8	9.8	0.65	0.32	0.20	0.20	10.00	0.08	109	0.062	2.00	300	0.137	1.9	45.4	
113	Street 'J'	STM 8	STM 9	78.5	0.65	0.53	0.35	1.89	10.91	0.49	104	0.547	1.50	600	0.752	2.7	72.8	
114	Fenchurch Manor	STM 9	STM 5	74.1	0.65	0.71	0.46	4.14	11.72	0.35	100	1.150	2.20	675	1.247	3.5	92.3	
115	Street 'I'	STM 1	STM 2	63.2	0.65	1.10	0.72	0.72	10.00	0.49	109	0.217	1.80	375	0.235	2.1	92.3	
116	Street 'H'	STM 2	STM 3	87.4	0.65	0.39	0.25	0.97	10.49	0.82	106	0.286	0.80	525	0.385	1.8	74.4	
117	Lower Street	STM 30	STM 3	66.3	0.65	0.69	0.45	0.45	10.00	0.49	109	0.135	2.00	375	0.248	2.2	54.6	
118	Lower Street	STM 3	STM 4	75.2	0.65	0.32	0.21	1.63	11.31	0.65	102	0.461	0.80	600	0.549	1.9	84.0	
119	Fenchurch Manor	STM 4	STM 5	82.1	0.65	0.39	0.25	1.88	11.96	0.63	99	0.517	1.00	600	0.614	2.2	84.2	
120	*Street 'G'	STM 5	STM 14	59.4				6.02	12.59	0.44	96	1.609	0.50	1050	1.931	2.2	83.3	
120	Street 'G'	STM 15	STM 16	51.3	0.65	0.80	0.52	0.52	10.00	0.67	109	0.158	0.50	450	0.202	1.3	78.3	
121	Street 'G'	STM 16	STM 17	70.4	0.65	0.41	0.27	0.79	10.67	0.84	105	0.231	0.50	525	0.304	1.4	75.8	
	Street 'G'	STM 17	STM 18	56.4				0.79	11.51	0.67	101	0.221	0.50	525	0.304	1.4	78.8	
	Street 'H'	STM 18	STM 19	12.6				0.79	12.18	0.15	98	0.216	0.50	525	0.304	1.4	70.6	
	Street 'G'	STM 19	STM 14	10.9				0.79	12.33	0.13	97	0.213	0.50	525	0.304	1.4	70.1	
122	**EASEMENT	STM 14	STM 20	45.9	0.65	0.78	0.51	7.32	13.03	0.41	94	1.917	0.30	1200	2.135	1.9	89.8	
	**SWMF4	STM 20	STM HW 21	14.0				7.32	13.44	0.12	93	1.884	0.30	1200	2.135	1.9	88.2	
Areas and runoff coefficients taken from PF PCSWMM modeling ↓																		
3-EXT					0.56	1.28	0.71											
3	***SWMF3	STM 43 (B.O.)	STM HW 38 (B.O.)	6.5	0.67	35.20	23.71	24.42	15.00	0.04	87	5.903	0.50	1650	6.445	3.0	91.6	
Q= 0.0028*C*I*A (cms); C=RUNOFF COEFFICIENT; I=RAINFALL INTENSITY (5 Year)=853.608/(T.C. + 4.699) ^ 0.766; A=AREA (ha)																		
Note: * Circular pipe diameter matches an equivalent area of 865 x 1345mm elliptical pipe. (DECAST Reinforced Concrete Elliptical Pipe) ** Circular pipe diameter matches an equivalent area of 965 x 1525mm elliptical pipe. (DECAST Reinforced Concrete Elliptical Pipe) *** Circular pipe diameter matches an equivalent area of 1829x 1219mm box culvert. (DECAST Precast Box Culvert)																		

BENCHMARK: BENCHMARK NO. 0011831U4600 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLET SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S AMERICAN CHURCH AT NORTH-EAST CORNER TOWARD 15.2m WEST OF BELL POLE AND 0.2m SOUTH-EAST OF 'V' IN TWIN BIRCH TREES 15m BELOW BRICK. ELEV. 263.490 BENCHMARK NO. 0101865S454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOWERS CREEK, 0.65km EAST OF HURONIA ROAD, TABLET IS SET HORIZONTALLY IN THE NORTH FACE, 0.40m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV. 241.892 BENCHMARK NO. 0101860A027 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N-4910727.688 E-607083.631 BENCHMARK NO. 0101860A044 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 900m WEST OF YONGE STREET. N-4911198.897 E-60683.316																																																																																																
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24 HR SCS TYPE II STORM WATER ELEVATION	
Storm Event	Elevation (m)
25mm 4hr. Chicago	253.16
2yr. 24hr. SCS	253.39
5yr. 24hr. SCS	253.57
10yr. 24hr. SCS	253.69
6 HR SCS TYPE II STORM WATER ELEVATION	
25yr. 6hr. SCS	253.86
50yr. 6hr. SCS	253.98
100yr. 6hr. SCS	254.10
Hazel	254.83

G:\Eng_20\GOL-14193-E\Production\DWG\GOL-14193-SWMF.dwg Layout:PND-1 Plotted Oct 05, 2021 @ 4:54pm by jhermann The Jones Consulting Group Ltd.



KEY PLAN
NTS

LEGEND

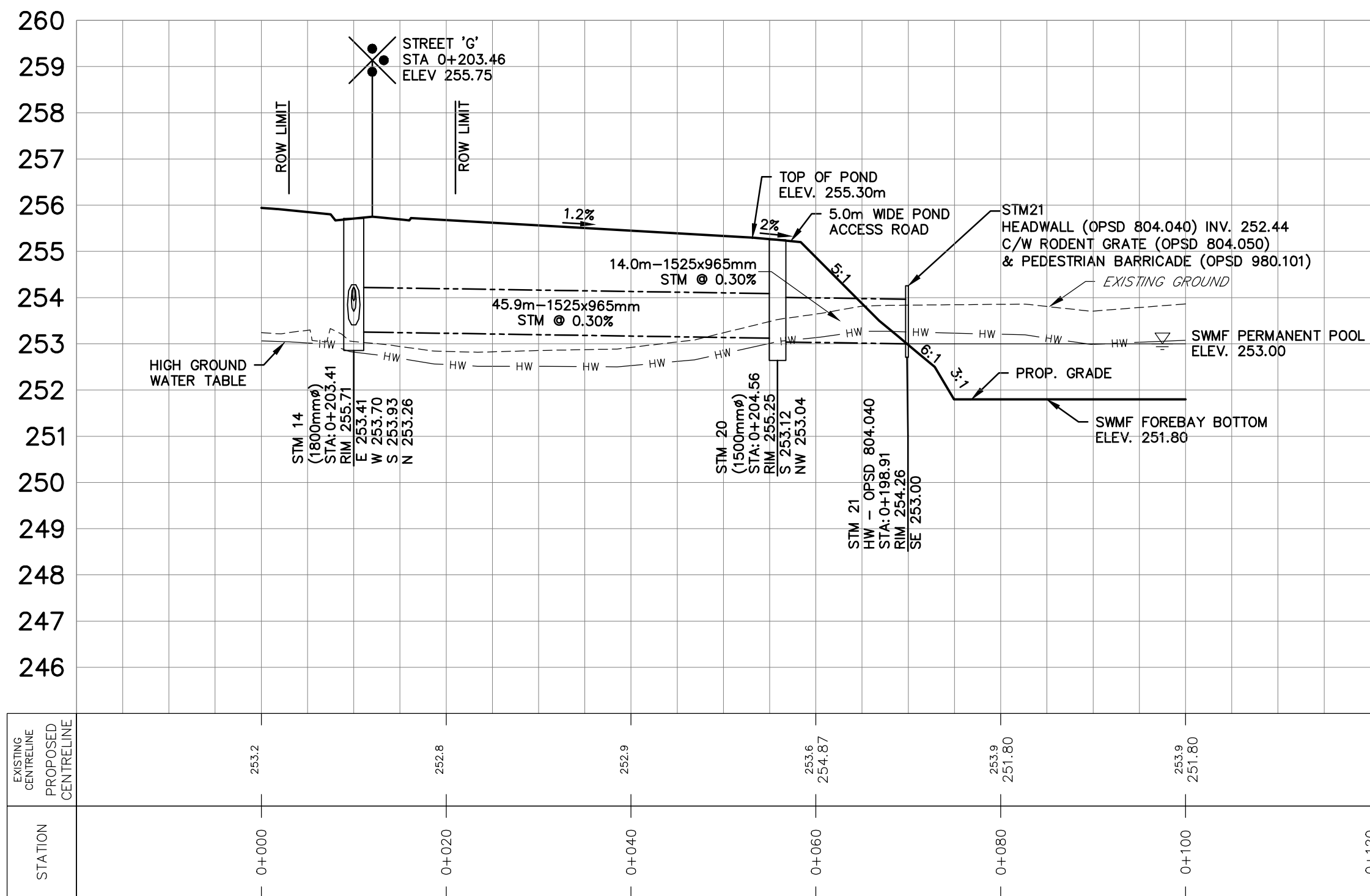
- STM MH ○ STORM MAINTENANCE HOLE
- DCB □ STORM DOUBLE CATCHBASIN
- DI.CB □ DOUBLE DITCH INLET CATCHBASIN
- CB □ STORM CATCHBASIN
- PROP. STORM SEWER & DIRECTION OF FLOW
- LIMIT OF SUBDIVISION
- EXISTING CONTOUR AND ELEVATION

BENCHMARK: BENCHMARK NO: 001183114625 SOUTH WEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET. TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 0.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15m BELOW BRICK. ELEV 253.480 BENCHMARK NO: 01019805454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOVERS CREEK, 0.65m EAST OF HURONIA ROAD. TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 20m WEST OF THE NORTH-EAST CORNER OF BRIDGE, 19m BELOW TOP OF COPING. ELEV 241.862 BENCHMARK NO: 01019804047 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N.4910727.688 E.607083.931 BENCHMARK NO: 01019804004 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 930m WEST OF YONGE STREET. N.4911189.897 E.608053.316		1. SUBMISSION FOR DRAFT PLAN APPROVAL		OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL		

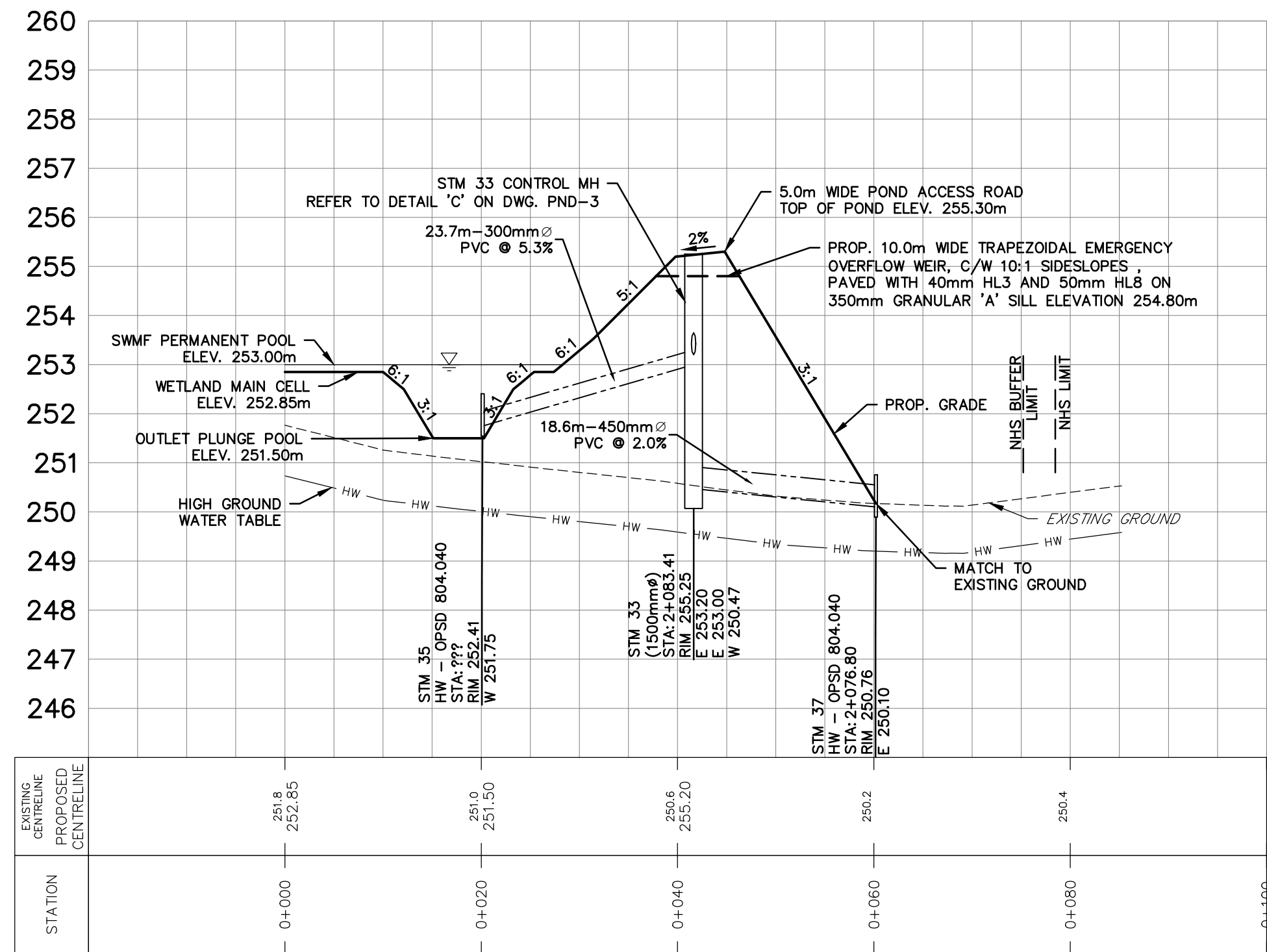
LOCKHART INNISFIL INVESTMENTS LIMITED SUBDIVISION
SWM FACILITY No. 4C
PLAN VIEW

DESIGN MG	SCALE: 1:500	DATE JUNE 2021
DRAWN MC/VBS	PROJECT	DWG. NO
CHECKED JI	GOL-14193	PND-1

JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E. Unit 1
Barrie, ON L4N 0W5
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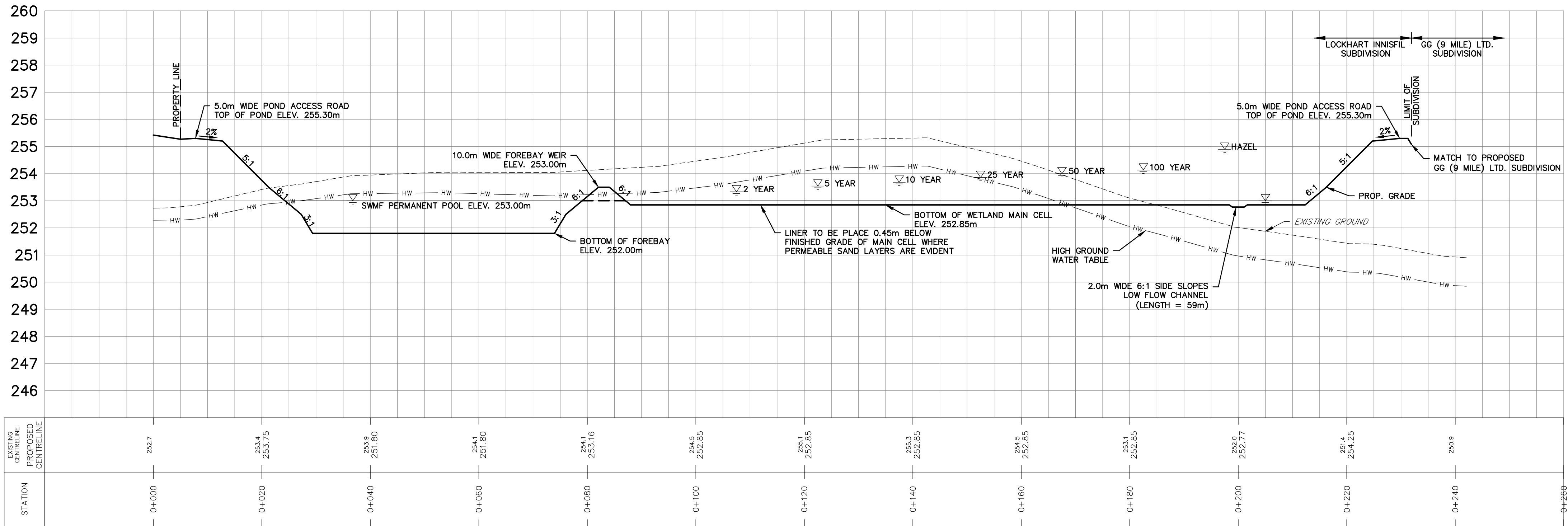


SECTION A-A
PND-1
HOR. 1:500
VERT. 1:100



SECTION C-C
PND-1
HOR. 1:500
VERT. 1:100

24 HR SCS TYPE II STORM WATER ELEVATION	
Storm Event	Elevation (m)
25mm 4hr. Chicago	253.16
2yr. 24hr. SCS	253.39
5yr. 24hr. SCS	253.57
10yr. 24hr. SCS	253.69
6 HR SCS TYPE II STORM WATER ELEVATION	
25yr. 6hr. SCS	253.86
50yr. 6hr. SCS	253.98
100yr. 6hr. SCS	254.10
Hazel	254.83



SECTION B-B
PND-1
HOR. 1:500
VERT. 1:100

BENCHMARK:

BENCHMARK NO: 00118314/4025 SOUTH WEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET. TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 0.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15m BELOW BRICK. ELEV. 253.480

BENCHMARK NO: 0101980454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOWERS CREEK, 0.65m EAST OF HURONIA ROAD. TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 26m WEST OF THE NORTH-EAST END OF BRIDGE, 19m BELOW TOP OF COPING. ELEV. 241.862

BENCHMARK NO: 0101980407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N. 4910727.688 E. 607083.931

BENCHMARK NO: 0101980404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 930m WEST OF YONGE STREET. N. 4911189.897 E. 608053.316

NO.	REVISIONS	DATE	INITIAL
1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI



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SUBDIVISION
SWM FACILITY No. 4C
SECTIONS



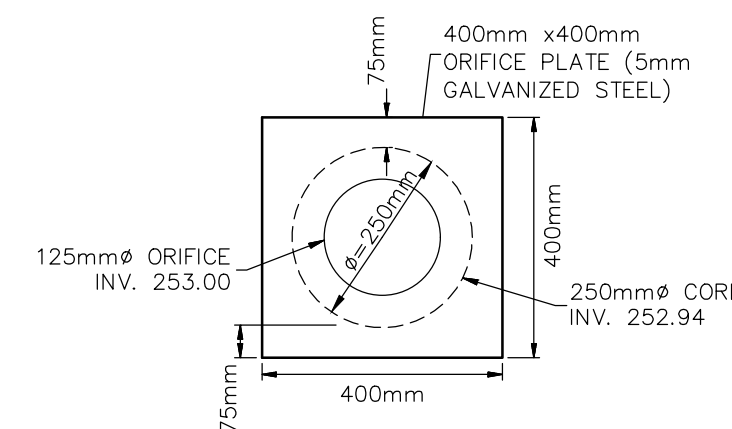
229 Mapleview Dr. E. Unit 1
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F. 705.734.1056

DESIGN	MG	SCALE: 1:500	DATE	JUNE 2021
DRAWN	MG/VBS	PROJECT	DWG. NO	
CHECKED	JL	GOL-14193	PND-2	

N.T.S.



N.T.S.

BENCHMARK:

BENCHMARK NO: 0011931U460S SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK.

BENCHMARK NO: 01019865454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER
LOVERS CREEK, 0.65km EAST OF HURONIA ROAD. TABLET IS SET HORIZONTALLY IN THE
NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST
END OF BRIDGE, 19cm BELOW TOP OF COPING.

BENCHMARK NO: 01019860407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE
APPROXIMATELY 500m EAST OF HURONIA ROAD. N.4910727.688 E.607083.931

BENCHMARK NO: 01019880404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE
APPROXIMATELY 930m WEST OF YONGE STREET. N.4911189.897 E.608513.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL



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SUBDIVISION

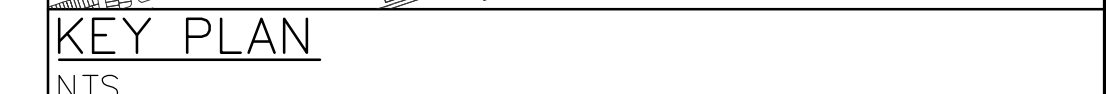
SWM FACILITY No. 4C
DETAILS

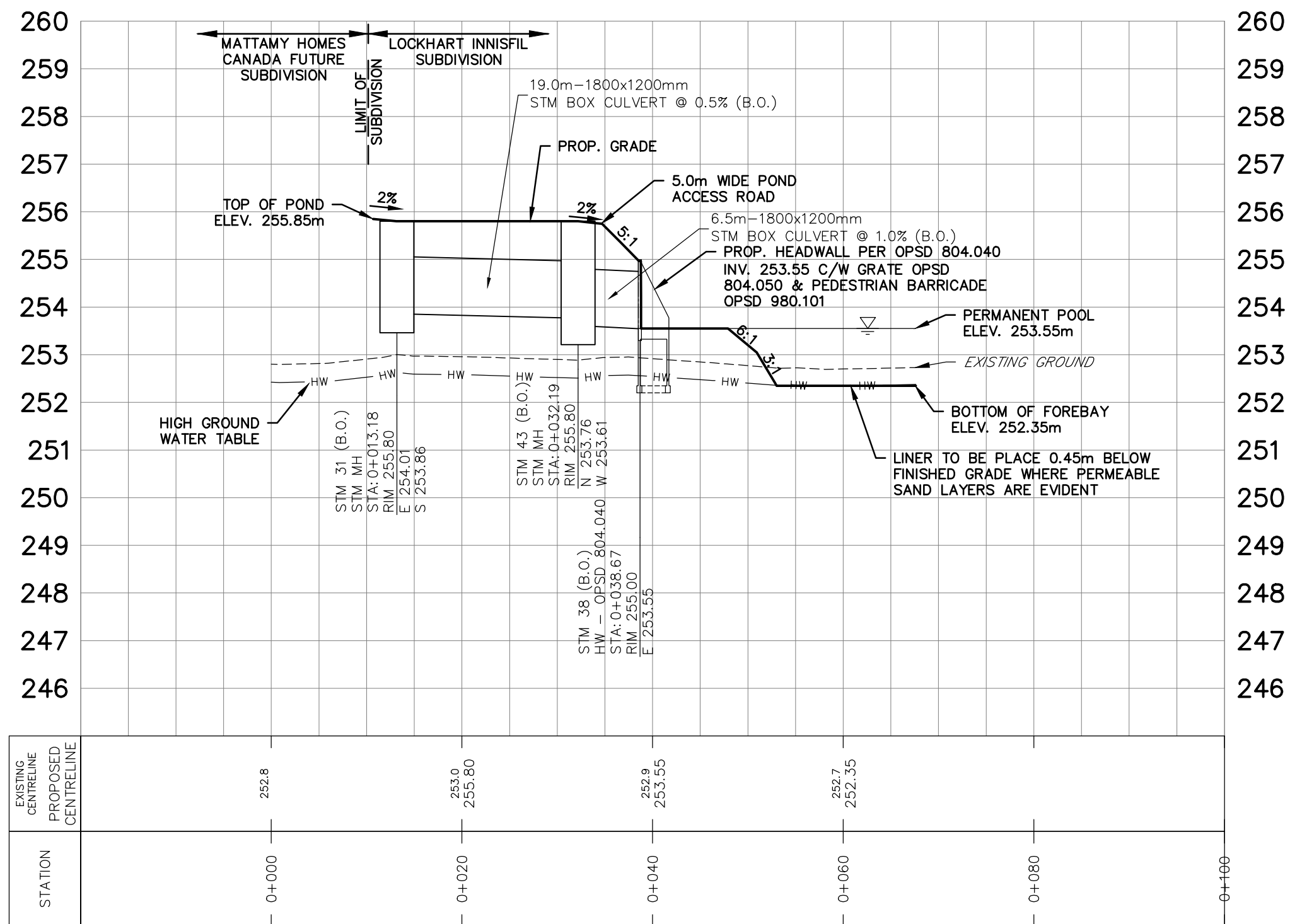


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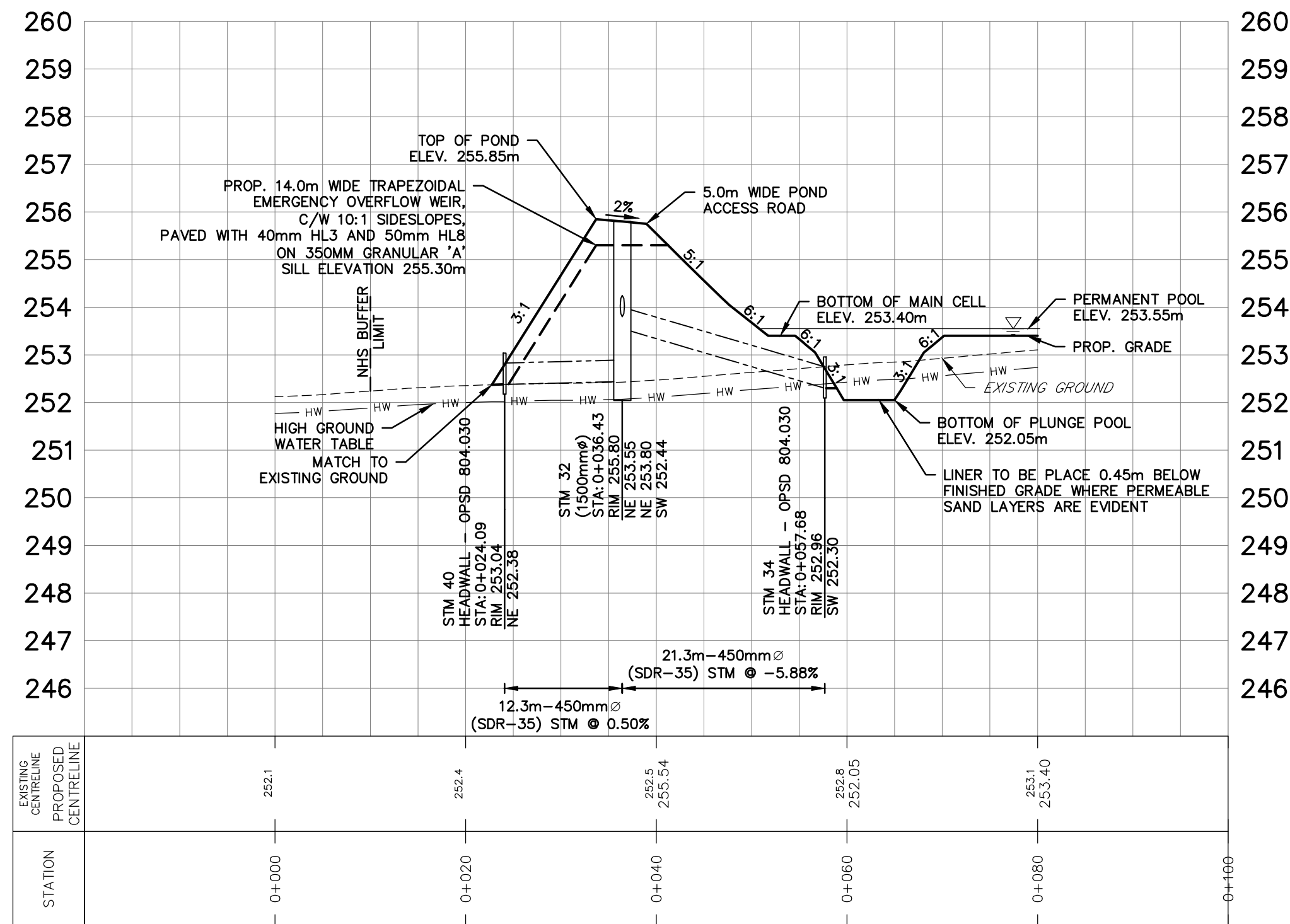
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DRAWN	MG	PROJECT GOL-14193	DWG. N ^o PND-3	
CHECKED	JL			

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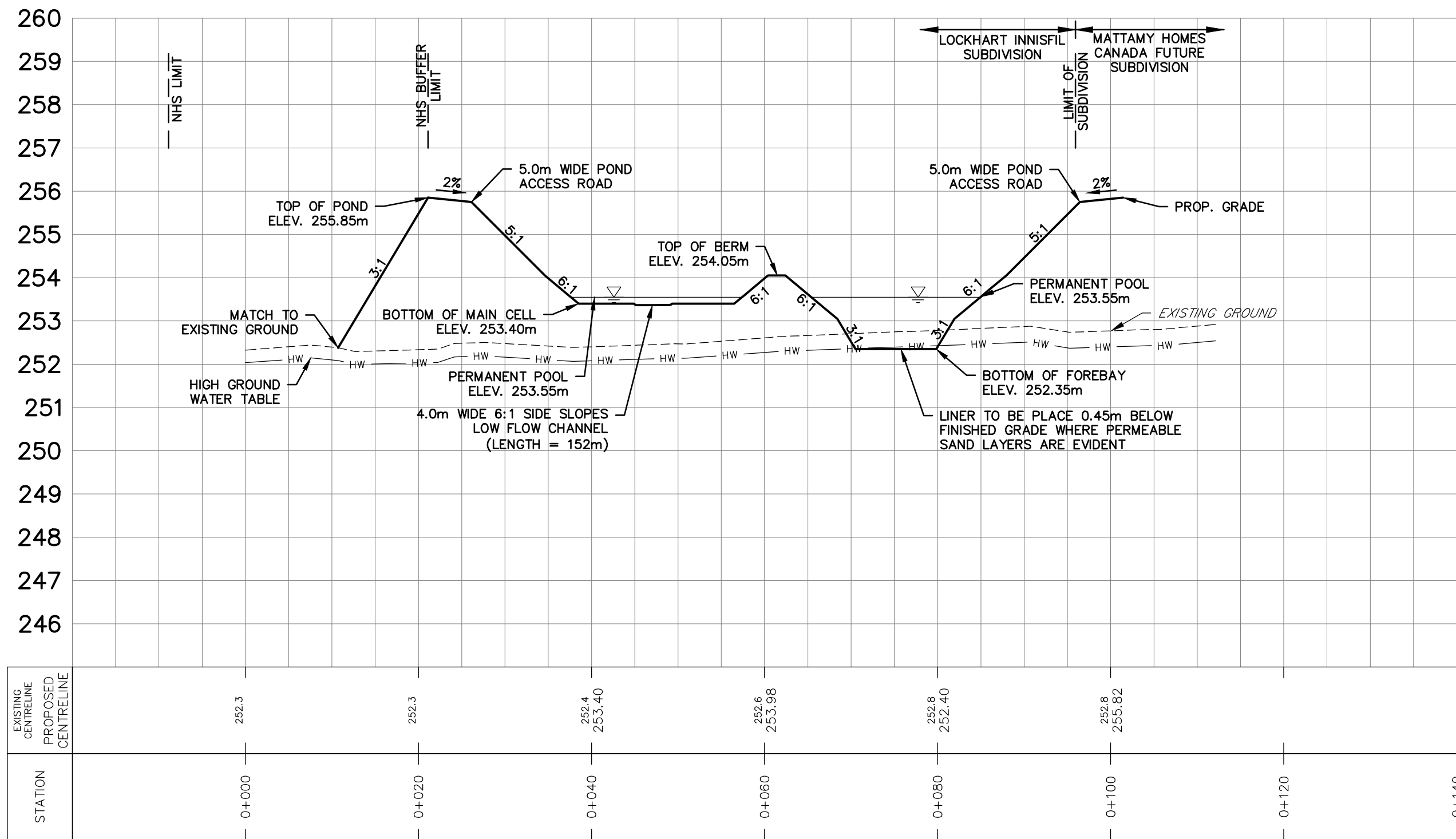




SECTION A-A
HOR. 1:500
VERT. 1:100



SECTION C-C
HOR. 1:500
VERT. 1:100



SECTION B-B
HOR. 1:500
VERT. 1:100

24 HR SCS TYPE II STORM WATER ELEVATION	
Storm Event	Elevation (m)
25mm 4hr. Chicago	253.75
2yr. 24hr. SCS	254.01
5yr. 24hr. SCS	254.24
10yr. 24hr. SCS	254.40
25yr. 6hr. SCS	254.60
50yr. 6hr. SCS	254.75
100yr. 6hr. SCS	254.90
Hazel	255.53

BENCHMARK:

BENCHMARK NO: 001183114605 SOUTH-WEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 0.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK.
ELEV. 253.480

BENCHMARK NO: 01019805454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOVERS CREEK, 0.65m EAST OF HURONIA ROAD, TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 20cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING.
ELEV. 241.862

BENCHMARK NO: 01019804047 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N. 4910727.688 E. 607083.931

BENCHMARK NO: 01019804044 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 930m WEST OF YONGE STREET. N. 4911189.897 E. 608053.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL

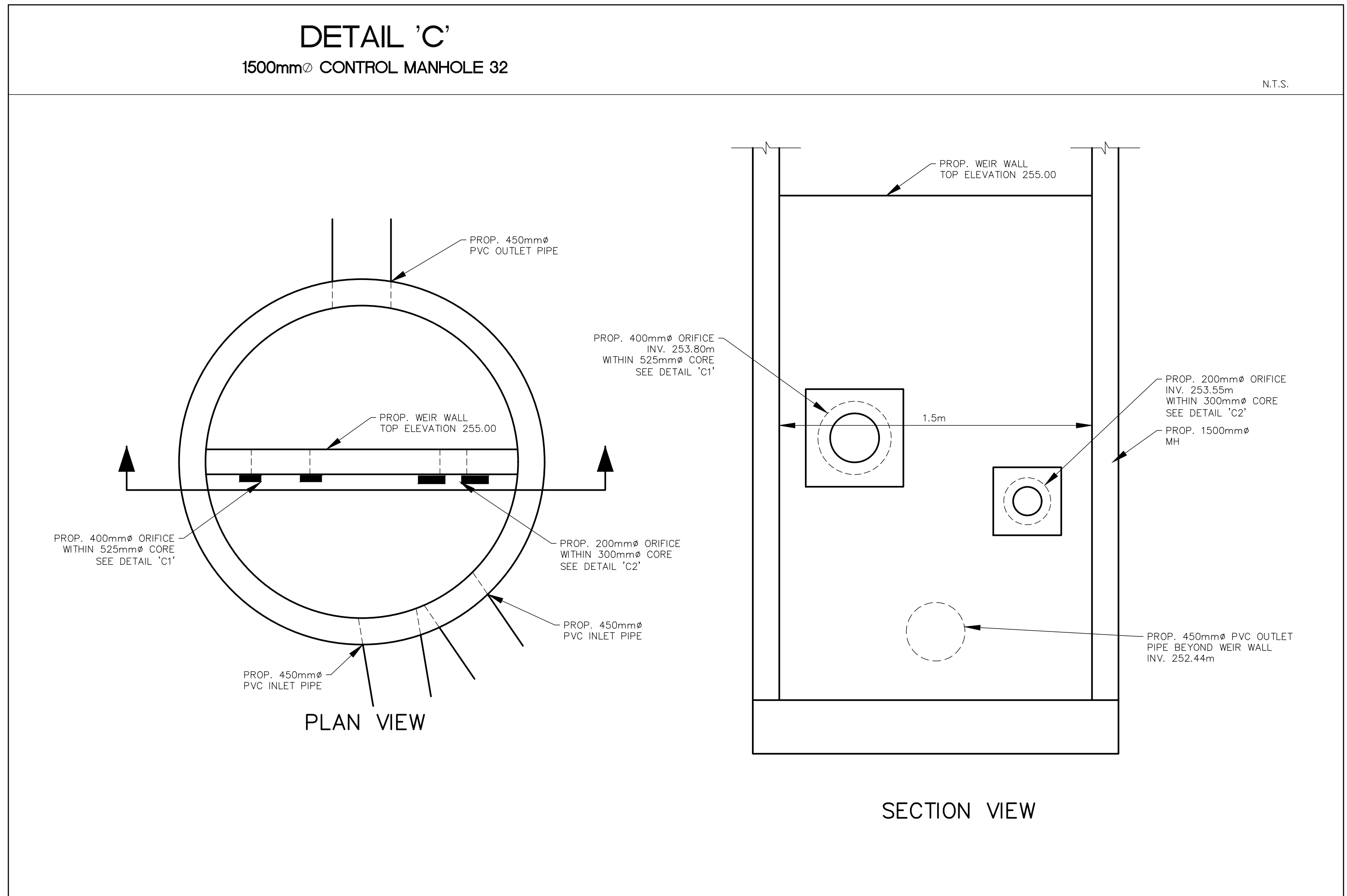
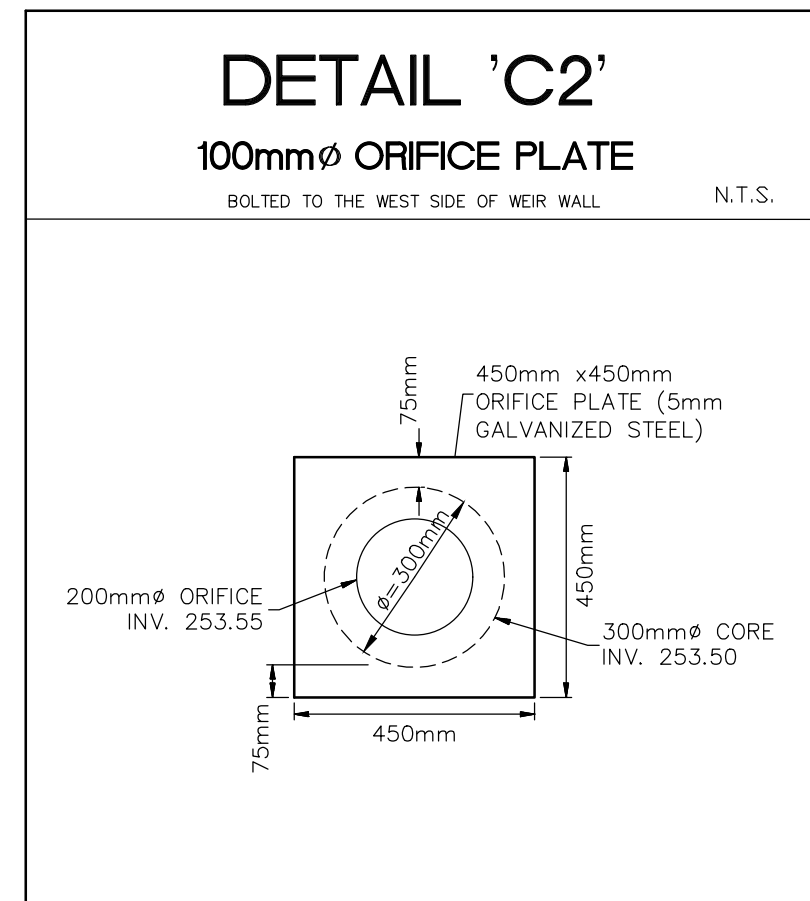
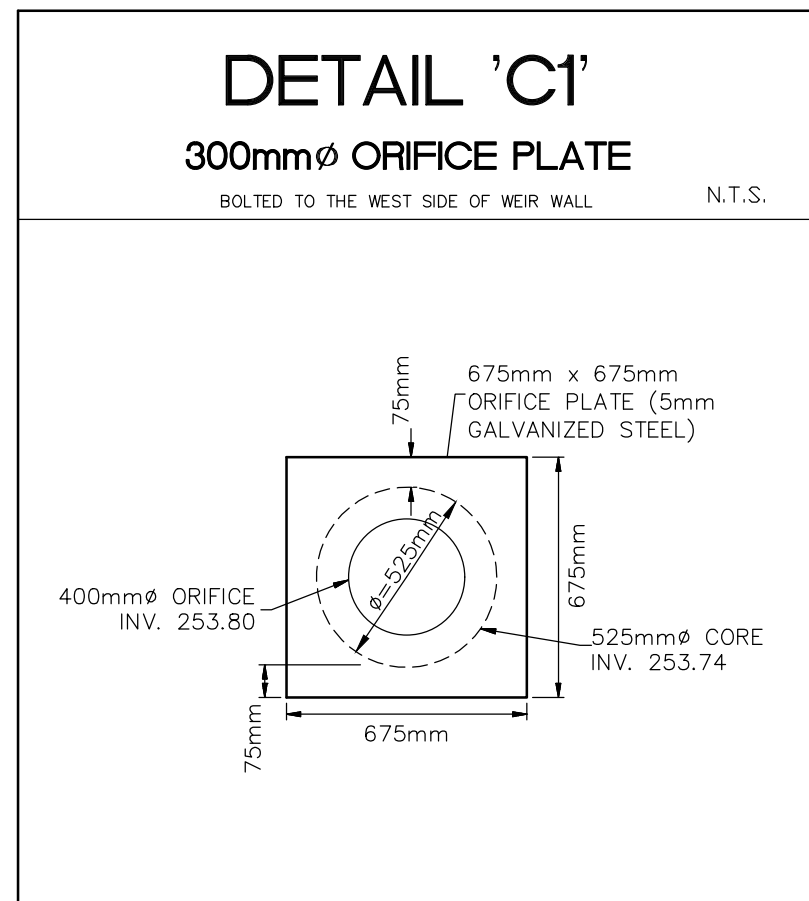


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SWM FACILITY No. 3
SECTIONS



229 Mapleview Dr. E. Unit 1
Barrie, ON L4N 0W5
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DESIGN	MG	SCALE: 1:500	DATE	JUNE 2021
DRAWN	MG	PROJECT	DWG. NO	
CHECKED	JL	GOL-14193	PND-5	



BENCHMARK:				
BENCHMARK NO: 001013114605	SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET. TABLET SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ROMAN CATHOLIC CHURCH, AT NORTH-EAST CORNER (TOWARD) 15.2m WEST OF BELL PLE AND 9.2m SOUTH EAST OF "Y" IN TWIN BIRCH TREES 15cm BELOW BROOK. ELEV. 683.490			
BENCHMARK NO: 001019855454	CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOWERS CREEK, 0.65km EAST OF HURONIA ROAD. TABLET IS SET HORIZONTALLY IN THE NORTH FACE, 3.44m NORTH OF THE CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV. 241.862			
BENCHMARK NO: 00101980407	LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N.491027.688 E.607083.931			
BENCHMARK NO: 001019854044	LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF YONGE STREET. N.491118.897 E.606843.316			
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NO.	REVISIONS		DATE	INITIAL



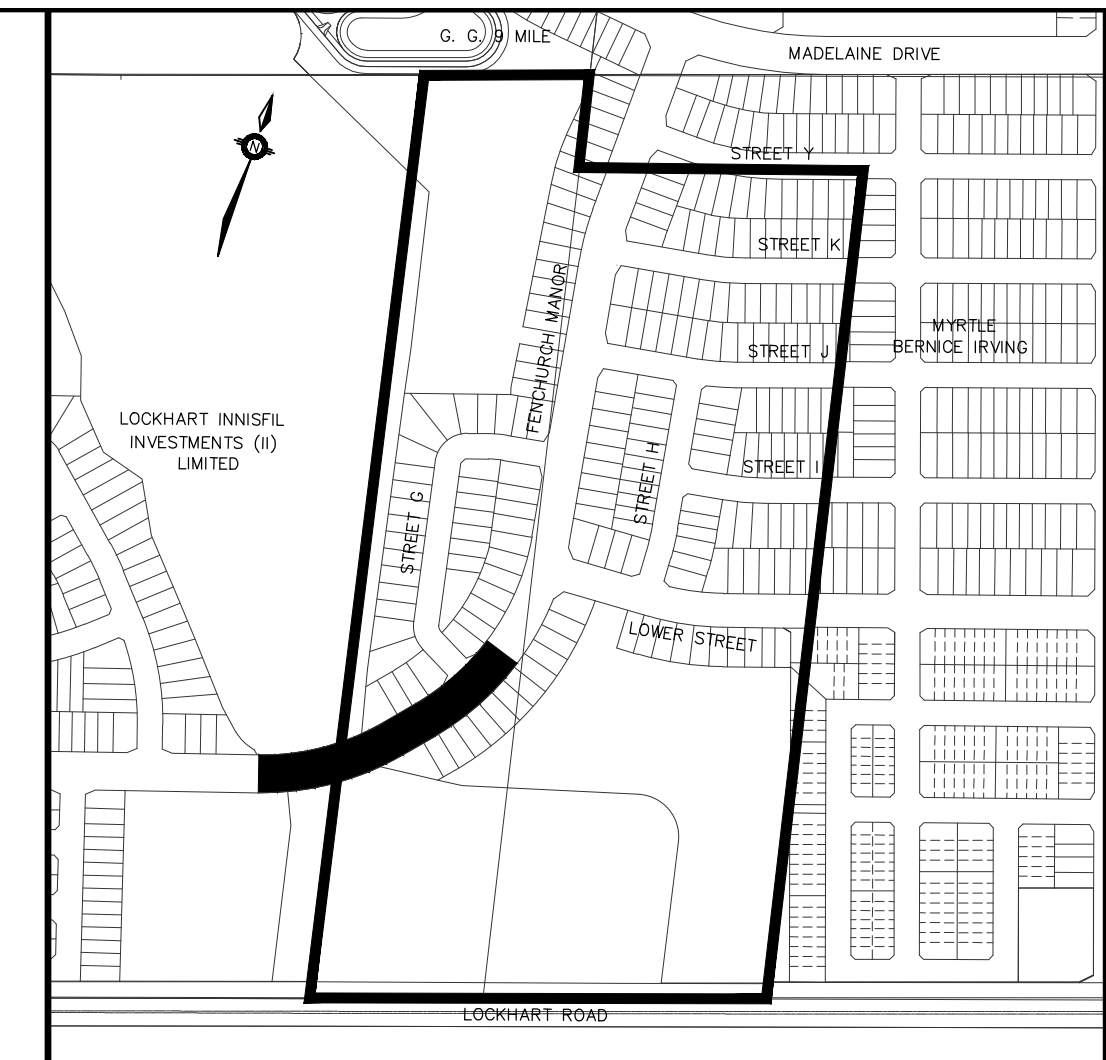
LOCKHART INNISFIL
INVESTMENTS LIMITED
SUBDIVISION

SWM FACILITY No. 3
DETAILS

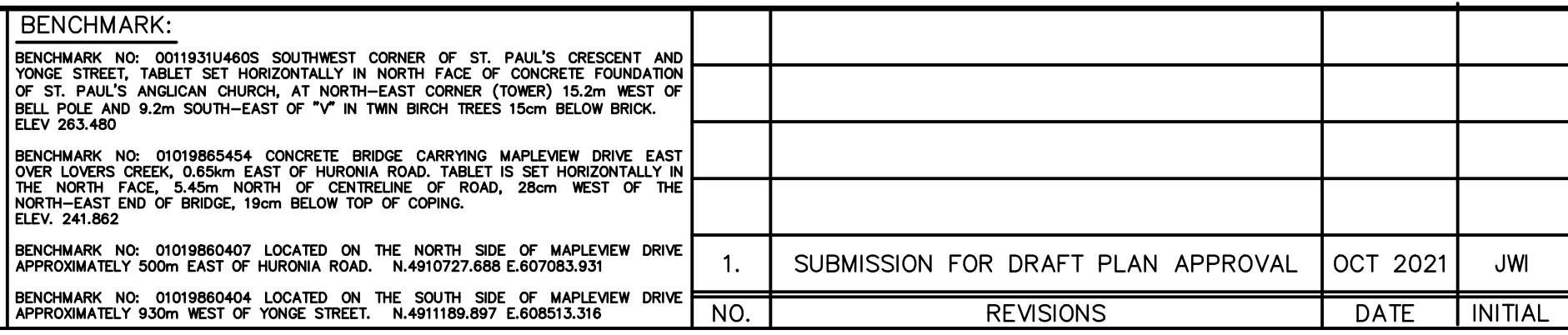


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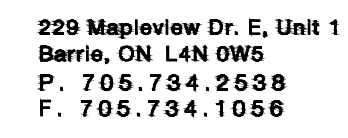
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CHECKED	JL			



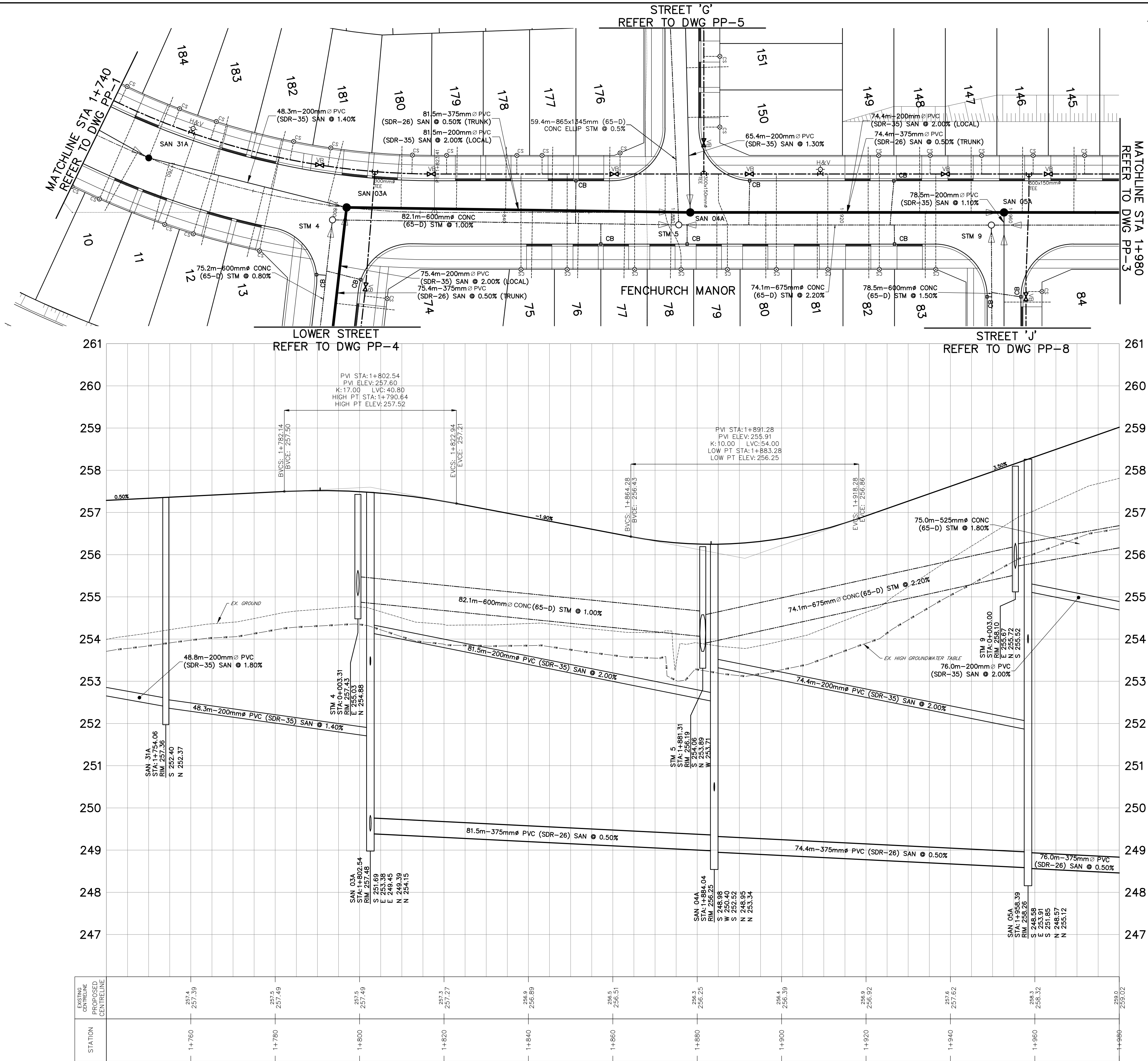
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<i>DOL.V5979</i>		STORM MAINTENANCE HOLE (BY OTHERS)
<i>CB</i>		CATCHBASIN (BY OTHERS)
<i>DGB</i>		DOUBLE CATCHBASIN (BY OTHERS)
<i>VB(B) 1/4</i>		VALVE & BOX (BY OTHERS)
<i>1/4 VB(B) 1/4</i>		HYDRANT & VALVE (BY OTHERS)
SAN 23A		SANITARY MAINTENANCE HOLE
STM 24		STORM MAINTENANCE HOLE
		CATCH BASIN
		DOUBLE CATCH BASIN
H&V		HYDRANT AND VALVE
		VALVE AND BOX
-----		SANITARY SERVICE



PLAN AND PROFILE FENCHURCH MANOR STA. 1+540 TO 1+740



DESIGN	JJH	SCALE: 1:500	DATE	JUNE 2021
DRAWN	JJH	PROJECT GOL-14193	DWG. № PP-1	
CHECKED	JWI			



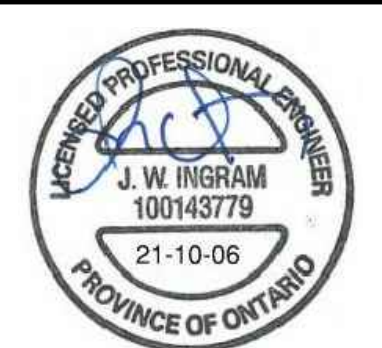
KEY PLAN
NTS

LEGEND

- SAN 33821 ● SANITARY MAINTENANCE HOLE (BY OTHERS)
- DOL V5979 ○ STORM MAINTENANCE HOLE (BY OTHERS)
- CB □ CATCHBASIN (BY OTHERS)
- DCB □ DOUBLE CATCHBASIN (BY OTHERS)
- VB(B.O.) □ VALVE & BOX (BY OTHERS)
- H&V(B.O.) □ HYDRANT & VALVE (BY OTHERS)
- SAN 23A ● SANITARY MAINTENANCE HOLE
- STM 24 ○ STORM MAINTENANCE HOLE
- CATCH BASIN
- DOUBLE CATCH BASIN
- H&V ● HYDRANT AND VALVE
- VB ● VALVE AND BOX
- SANITARY SERVICE

BENCHMARK:
BENCHMARK NO. 001931U4605 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK. ELEV 263.480
BENCHMARK NO. 01018865404 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LONERS CREEK, 0.55m EAST OF HURONIA ROAD, TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV. 241.862
BENCHMARK NO. 01018860407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N.4910727.688 E.607083.931
BENCHMARK NO. 01018860404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 300m WEST OF YONGE STREET. N.491189.897 E.60853.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL

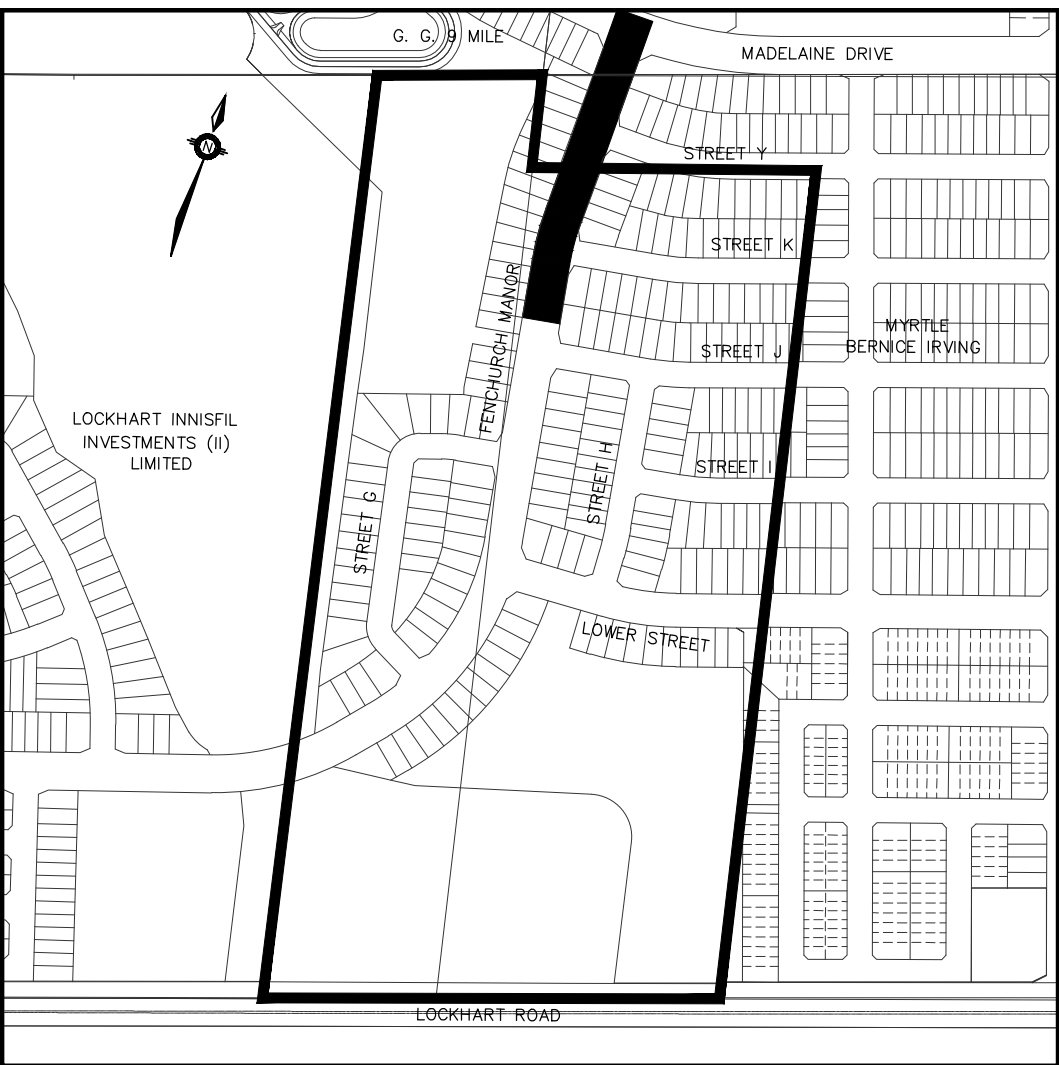
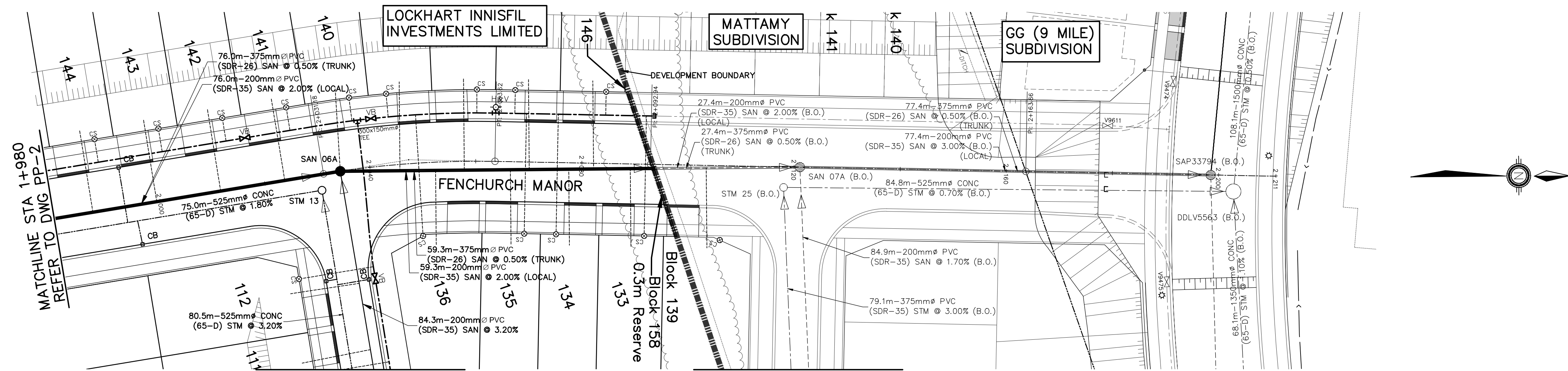


LOCKHART INNISFIL INVESTMENTS LIMITED SUBDIVISION
PLAN AND PROFILE
FENCHURCH MANOR
STA. 1+740 TO 1+980

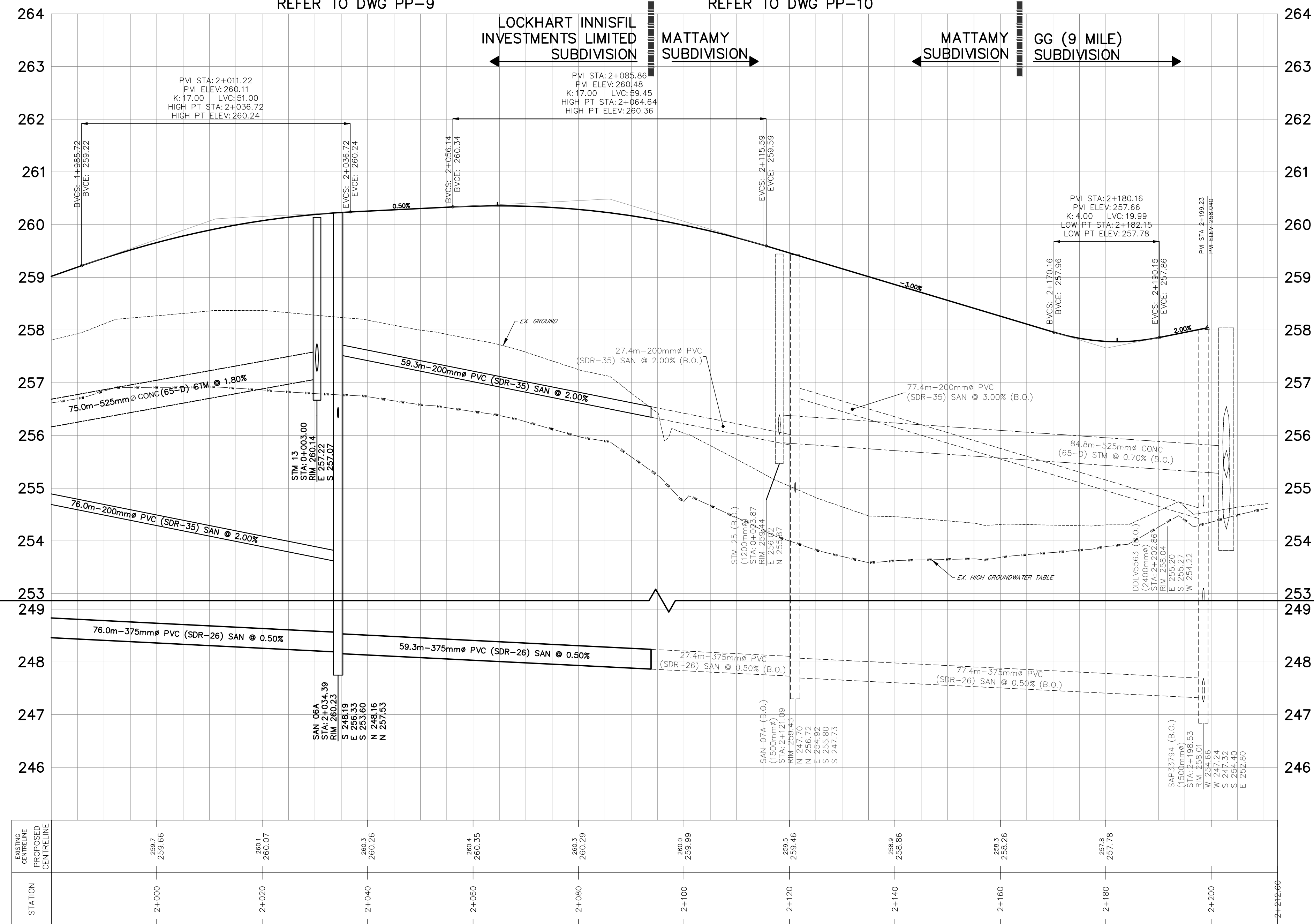
JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS
229 Mapleview Dr. E. Unit 1
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DESIGN JH	SCALE: 1:500	DATE JUNE 2021
DRAWN JH	PROJECT	DWG. NO
CHECKED JWI	GOL-14193	PP-2

G:\Eng_3D\GOL-14193-E\Production DWG\GOL-14193-PP_Fenchurch.dwg layout:PP-2 Plotted Oct 05, 2021 @ 5:09pm by Jermann The Jones Consulting Group Ltd.



KEY PLAN
NTS



LEGEND	
	SANITARY MAINTENANCE HOLE (BY OTHERS)
	STORM MAINTENANCE HOLE (BY OTHERS)
	CATCHBASIN (BY OTHERS)
	DOUBLE CATCHBASIN (BY OTHERS)
	VALVE & BOX (BY OTHERS)
	HYDRANT & VALVE (BY OTHERS)
	SANITARY MAINTENANCE HOLE
	STORM MAINTENANCE HOLE
	CATCH BASIN
	DOUBLE CATCH BASIN
	HYDRANT AND VALVE
	VALVE AND BOX
	SANITARY SERVICE

BENCHMARK:

BENCHMARK NO. 001931U4605 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK. ELEV 263.480

BENCHMARK NO. 01018865404 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOWER CREEK, 0.55m EAST OF HURONIA ROAD, TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV 241.862

BENCHMARK NO. 01019880407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N 4910727.688 E 607083.931

BENCHMARK NO. 01019880404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 300m WEST OF YONGE STREET. N 491189.897 E 608513.319

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL



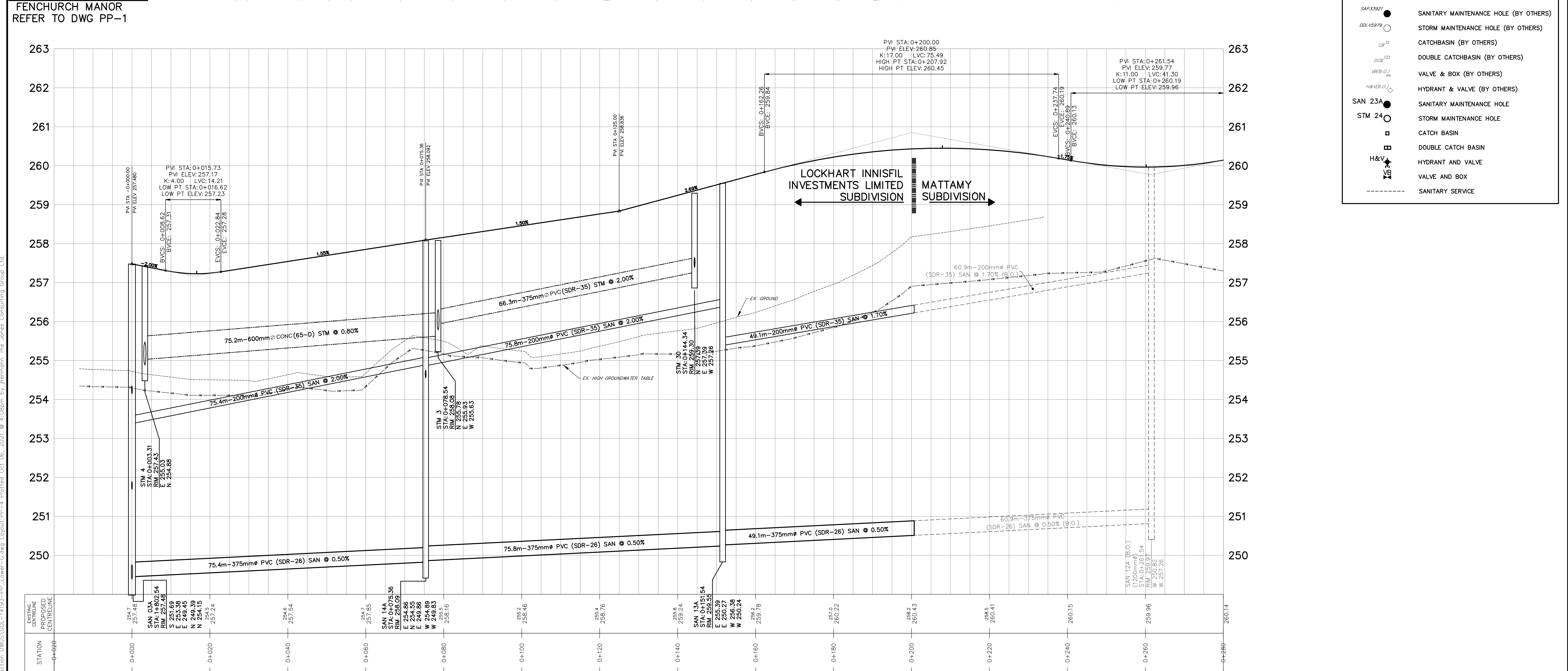
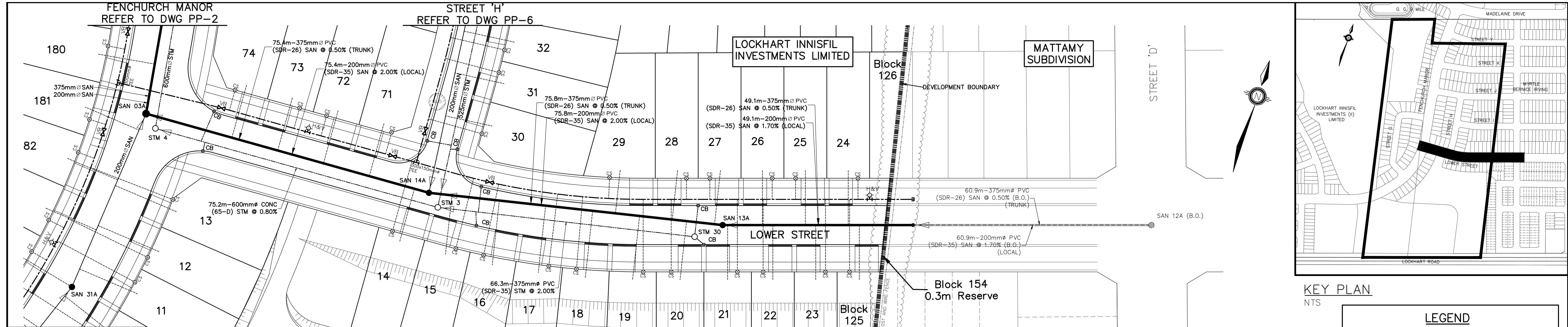
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INVESTMENTS LIMITED
SUBDIVISION

PLAN AND PROFILE
FENCHURCH MANOR
STA. 1+980 TO 2+212.6



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F. 705.734.1058

DESIGN	JJH	SCALE: 1:500	DATE	JUNE 2021
DRAWN	JJH	PROJECT	DWG. NO	
CHECKED	JWI	GOL-14193	PP-3	



BENCHMARK:

BENCHMARK NO. 001931U4605: SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET. TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK. ELEV 263.480

BENCHMARK NO. 01019865404: CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LONERS CREEK, 0.55m EAST OF HURONIA ROAD. TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV. 241.862

BENCHMARK NO. 01019860407: LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N:4910727.688 E:607083.931

BENCHMARK NO. 01019860404: LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 300m WEST OF YONGE STREET. N:491189.897 E:608513.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL

LOCKHART INNISFIL INVESTMENTS LIMITED SUBDIVISION

PLAN AND PROFILE LOWER STREET STA. -0+014 TO 0+280

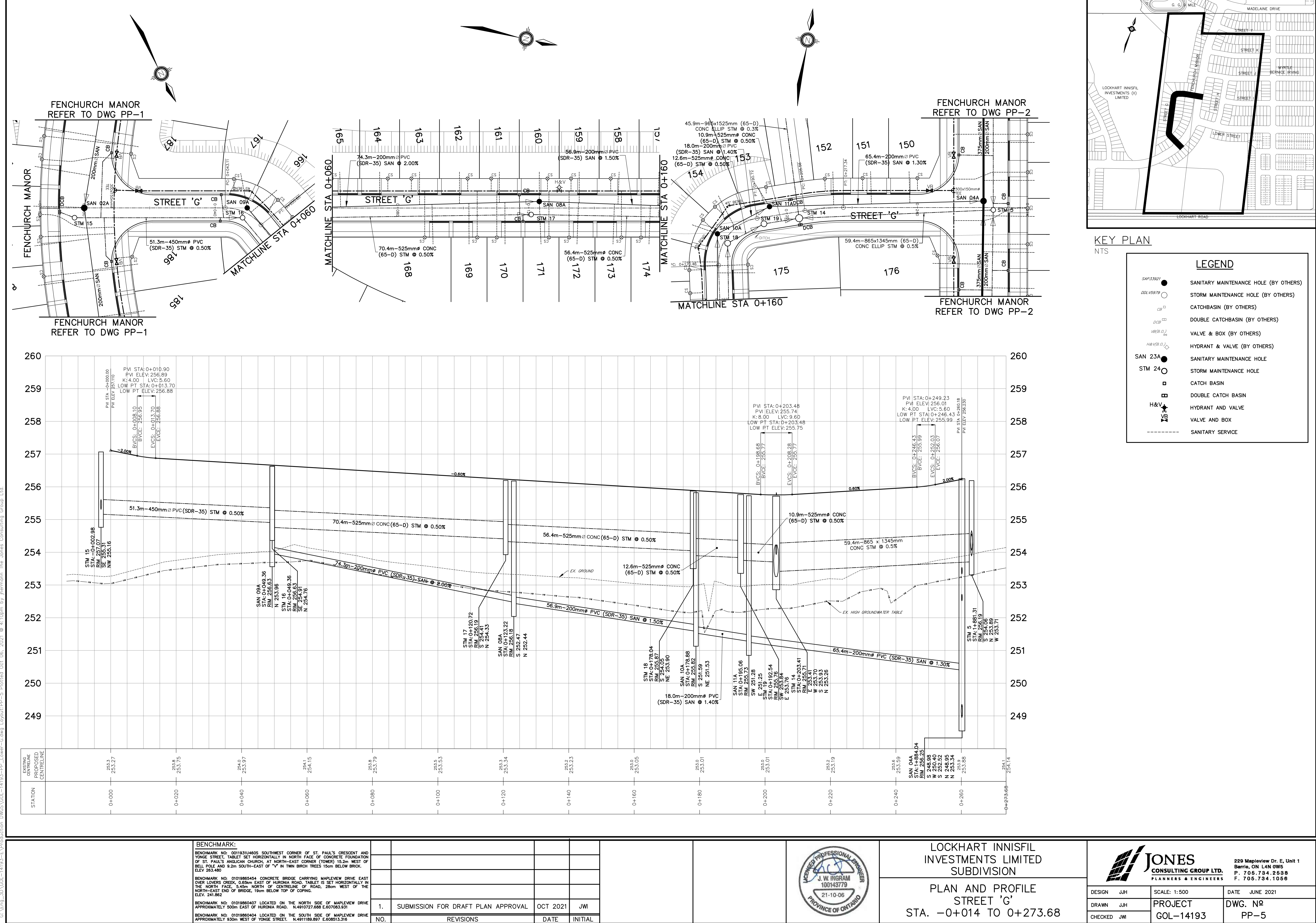
JONES CONSULTING GROUP LTD.
PLANNERS & ENGINEERS

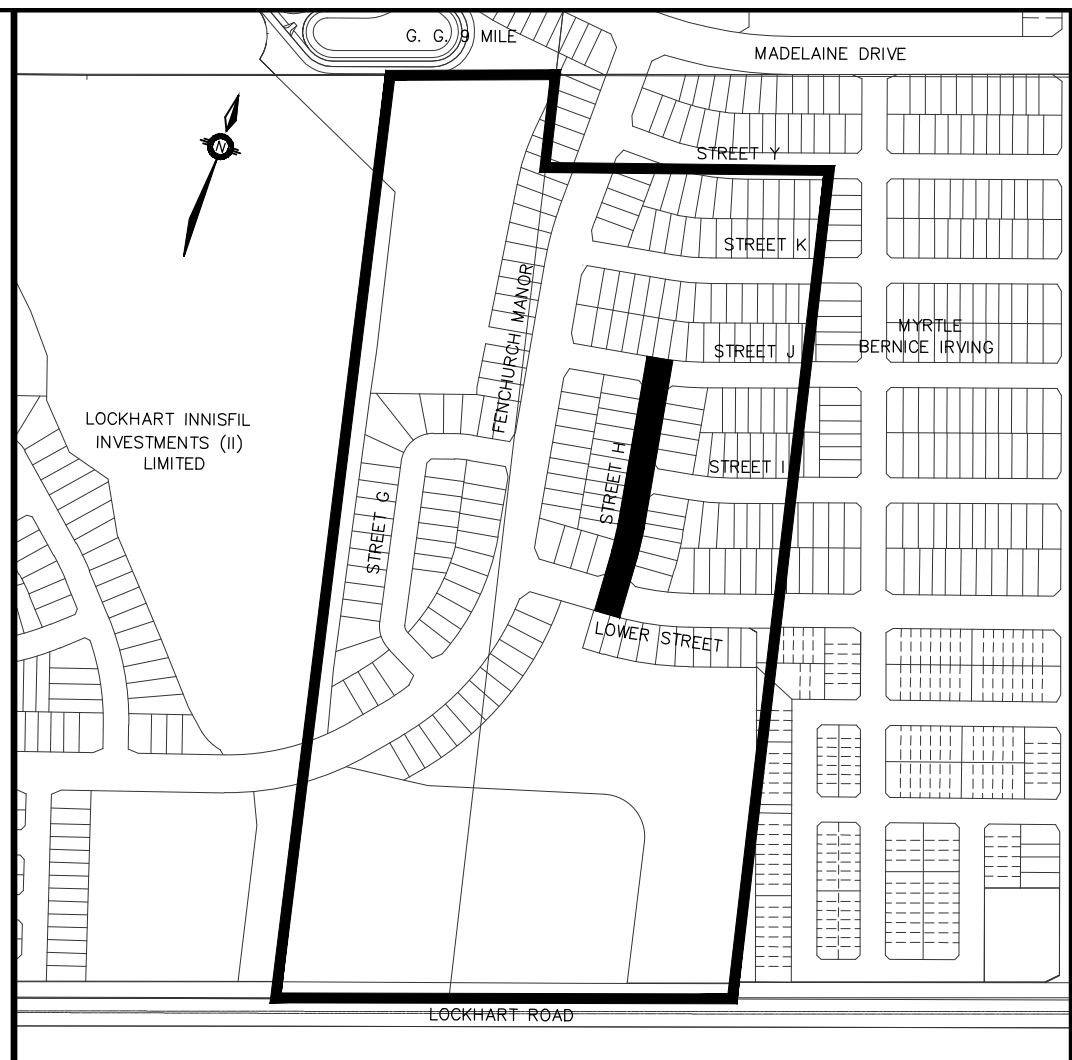
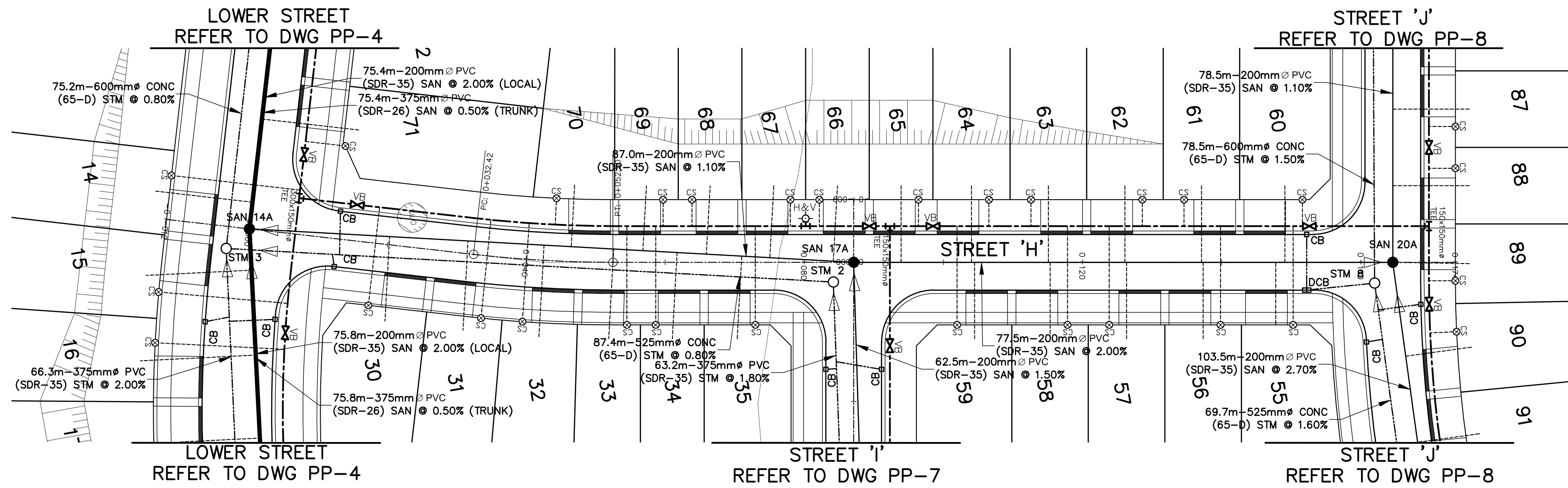
229 Mapleview Dr. E. Unit 1
Barrie, ON L4N 0W6
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F. 705.734.1056

DESIGN JH	SCALE: 1:500	DATE JUNE 2021
DRAWN JH	PROJECT	DWG. NO
CHECKED JWI	GOL-14193	PP-4

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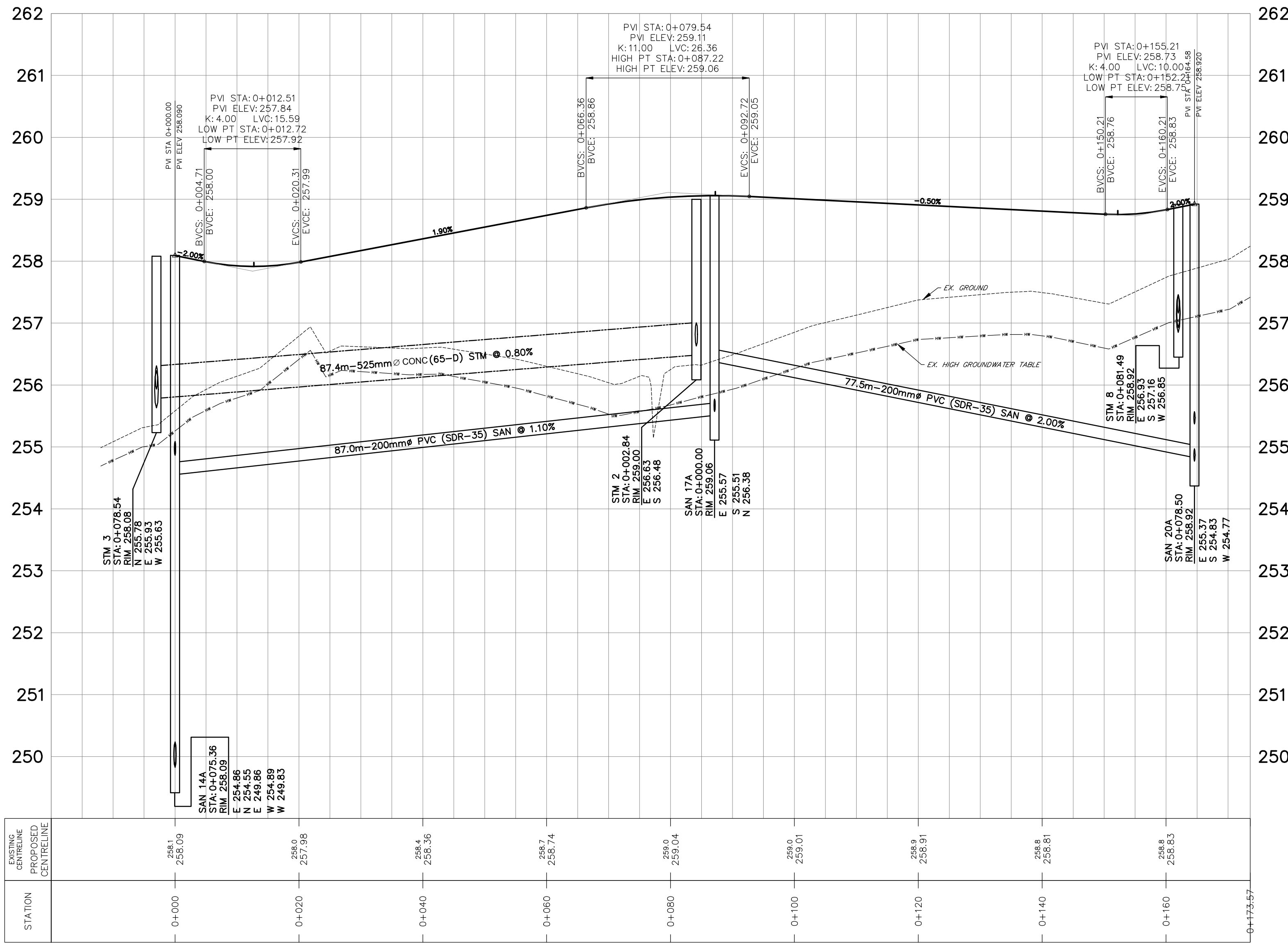
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KEY PLAN
NTS

LEGEND	
	SANITARY MAINTENANCE HOLE (BY OTHERS)
	STORM MAINTENANCE HOLE (BY OTHERS)
	CATCHBASIN (BY OTHERS)
	DOUBLE CATCHBASIN (BY OTHERS)
	VALVE & BOX (BY OTHERS)
	HYDRANT & VALVE (BY OTHERS)
	SANITARY MAINTENANCE HOLE
	STORM MAINTENANCE HOLE
	CATCH BASIN
	DOUBLE CATCH BASIN
	HYDRANT AND VALVE
	VALVE AND BOX
	SANITARY SERVICE



BENCHMARK:
BENCHMARK NO. 0019314605 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK. ELEV 263.480
BENCHMARK NO. 01019865454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOWERS CREEK, 0.85m EAST OF HURONIA ROAD, TABLE SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV. 241.862
BENCHMARK NO. 01019860407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N.4910727.688 E.607083.931
BENCHMARK NO. 01019860404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 300m WEST OF YONGE STREET. N.491189.997 E.60853.376

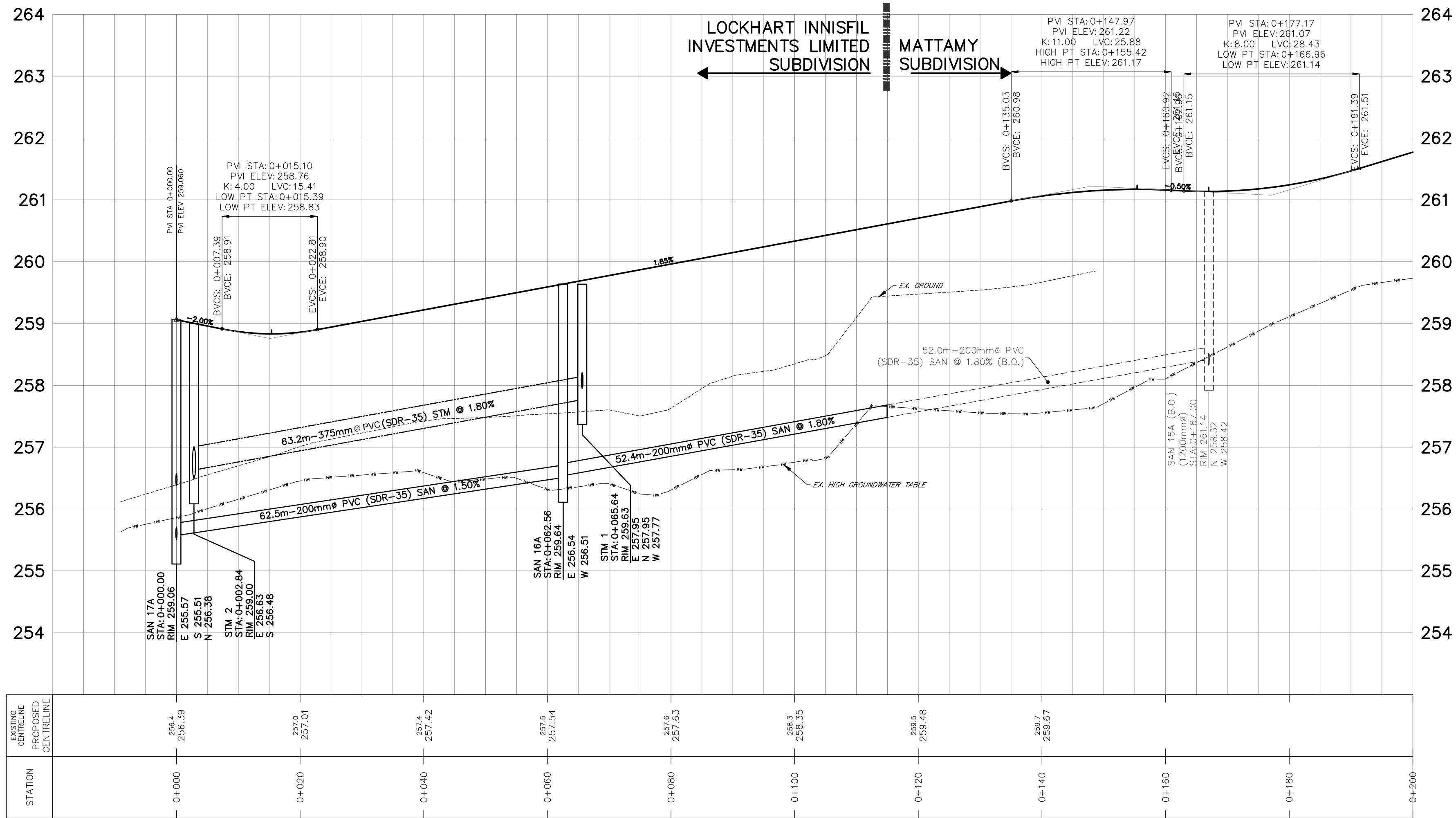
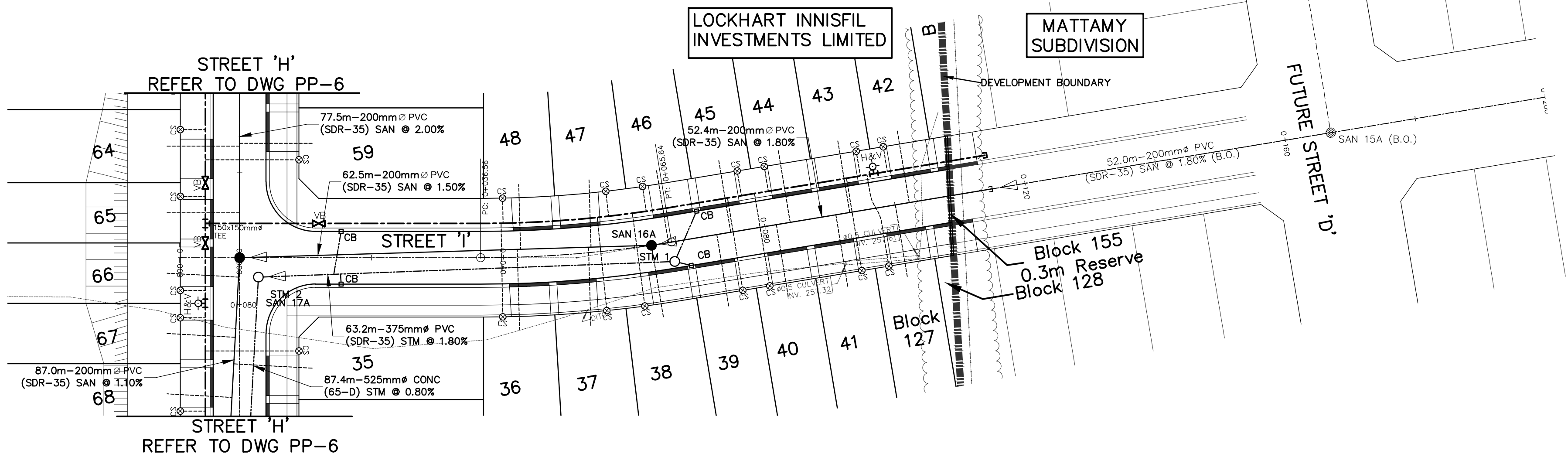
1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI
NO.	REVISIONS	DATE	INITIAL



LOCKHART INNISFIL INVESTMENTS LIMITED SUBDIVISION
PLAN AND PROFILE
STREET 'H'
STA. -0+020 TO 0+173.57

229 Mapleview Dr. E. Unit 1
Barrie, ON L4N 0W6
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F. 705.734.1056

DESIGN	JJH	SCALE: 1:500	DATE	JUNE 2021
DRAWN	JJH	PROJECT	DWG. NO	
CHECKED	JWI	GOL-14193	PP-6	



BENCHMARK:
BENCHMARK NO. 00193104605 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK, ELEV 263.480
BENCHMARK NO. 01019865404 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOWERS CREEK, 0.85m EAST OF HURONIA ROAD, TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING, ELEV. 241.862
BENCHMARK NO. 01019860407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N.4910727.688 E.607083.931
BENCHMARK NO. 01019860404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m WEST OF YONGE STREET. N.491189.897 E.60853.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI	
NO.	REVISIONS	DATE	INITIAL	

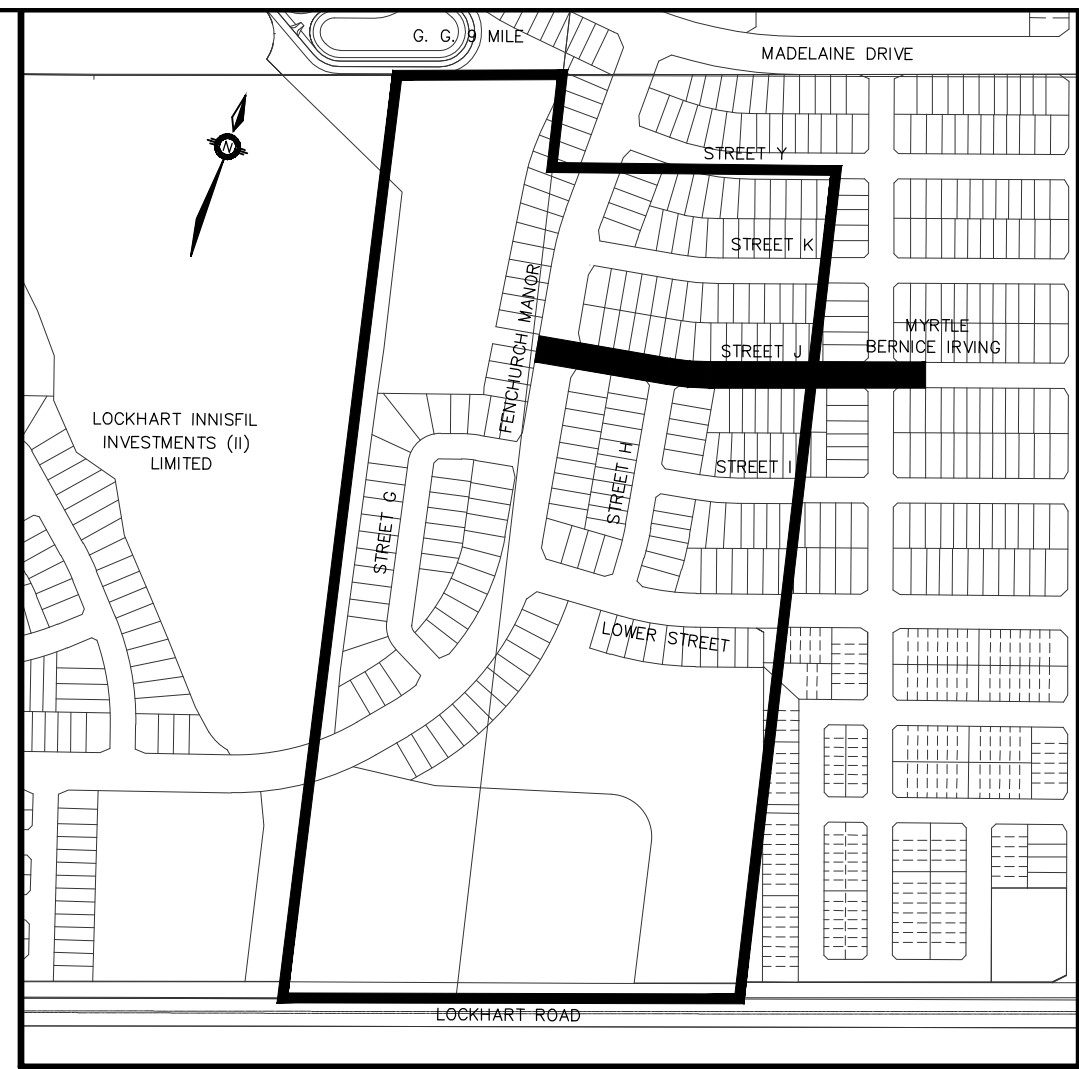
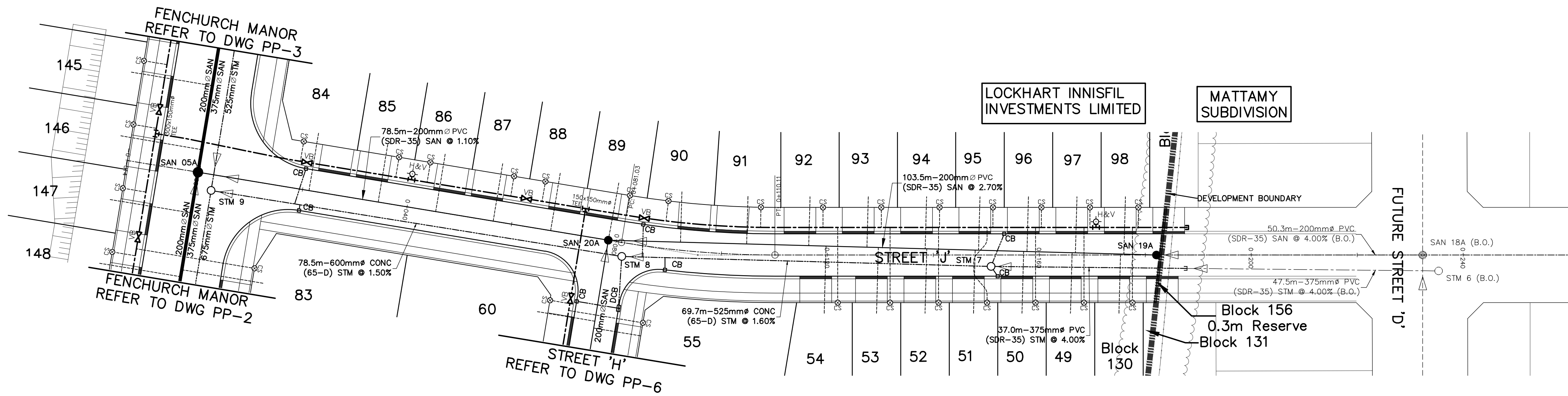


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INVESTMENTS LIMITED
SUBDIVISION
PLAN AND PROFILE
STREET 'I'
STA. -0+020 TO 0+200



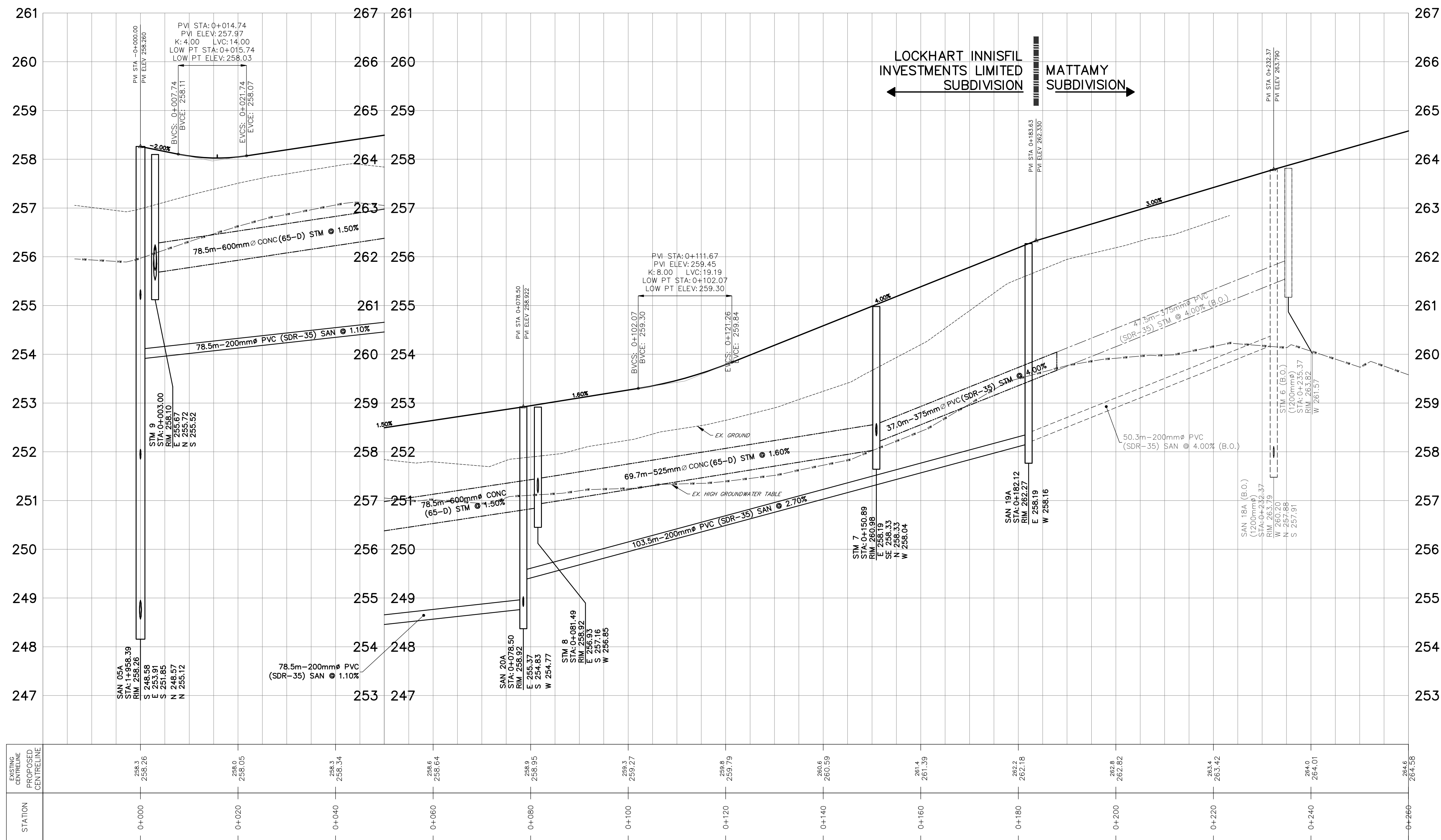
229 Mapleview Dr. E. Unit 1
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F. 705.734.1056

DESIGN	JJH	SCALE: 1:500	DATE	JUNE 2021
DRAWN	JJH	PROJECT	DWG. NO	
CHECKED	JWI	GOL-14193	PP-7	



KEY PLAN
NTS

LEGEND	
	SANITARY MAINTENANCE HOLE (BY OTHERS)
	STORM MAINTENANCE HOLE (BY OTHERS)
	CATCHBASIN (BY OTHERS)
	DOUBLE CATCHBASIN (BY OTHERS)
	VALVE & BOX (BY OTHERS)
	HYDRANT & VALVE (BY OTHERS)
	SANITARY MAINTENANCE HOLE
	STORM MAINTENANCE HOLE
	CATCH BASIN
	DOUBLE CATCH BASIN
	HYDRANT AND VALVE
	VALVE AND BOX
	SANITARY SERVICE



BENCHMARK:

BENCHMARK NO. 0019314605 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK, ELEV 263.480

BENCHMARK NO. 01019865454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LONERS CREEK, 0.59m EAST OF HURONIA ROAD, TABLE SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING, ELEV 241.862

BENCHMARK NO. 01019860407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD, N 4910727.688 E 607083.931

BENCHMARK NO. 01019860404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 300m WEST OF YONGE STREET, N 491189.997 E 608033.316

NO.	REVISIONS	DATE	INITIAL
1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI



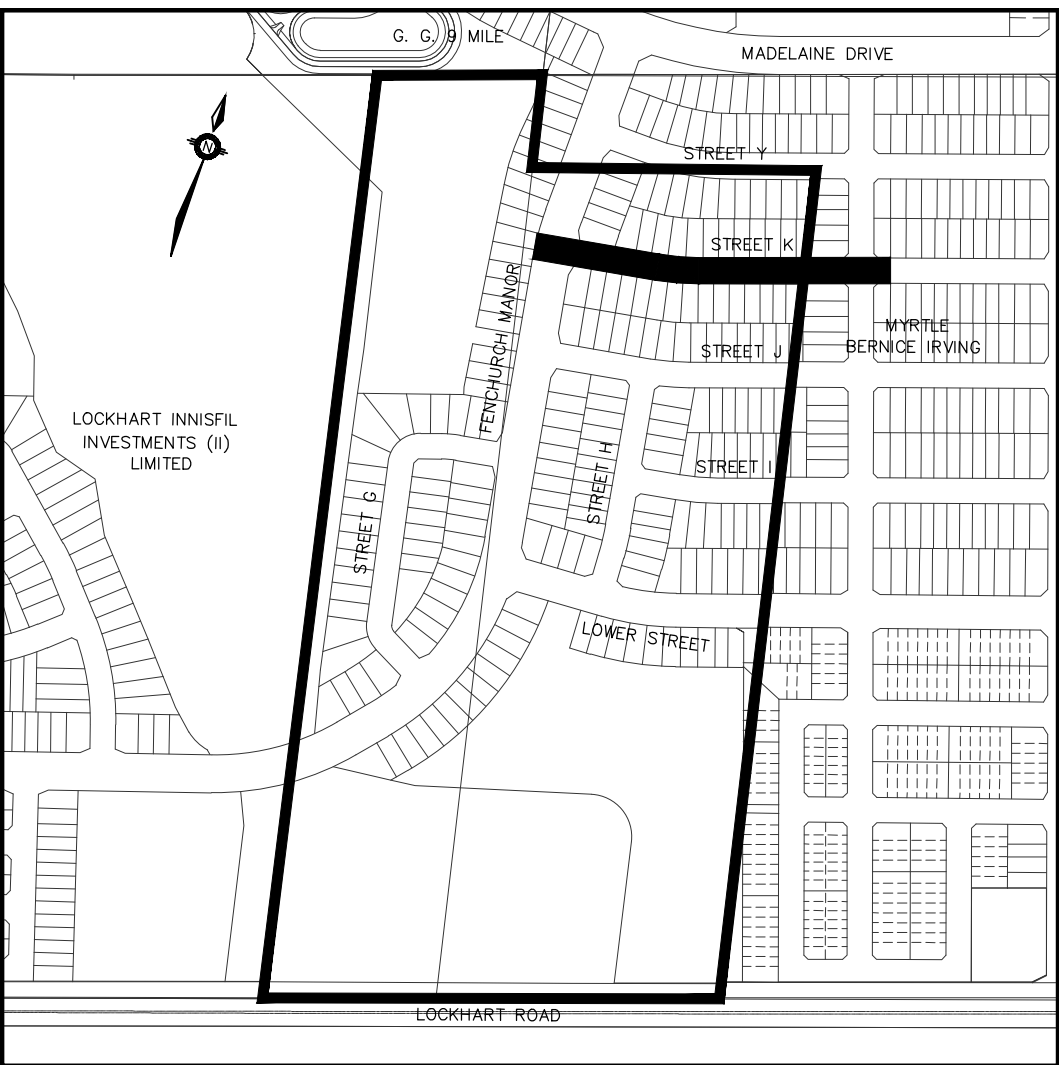
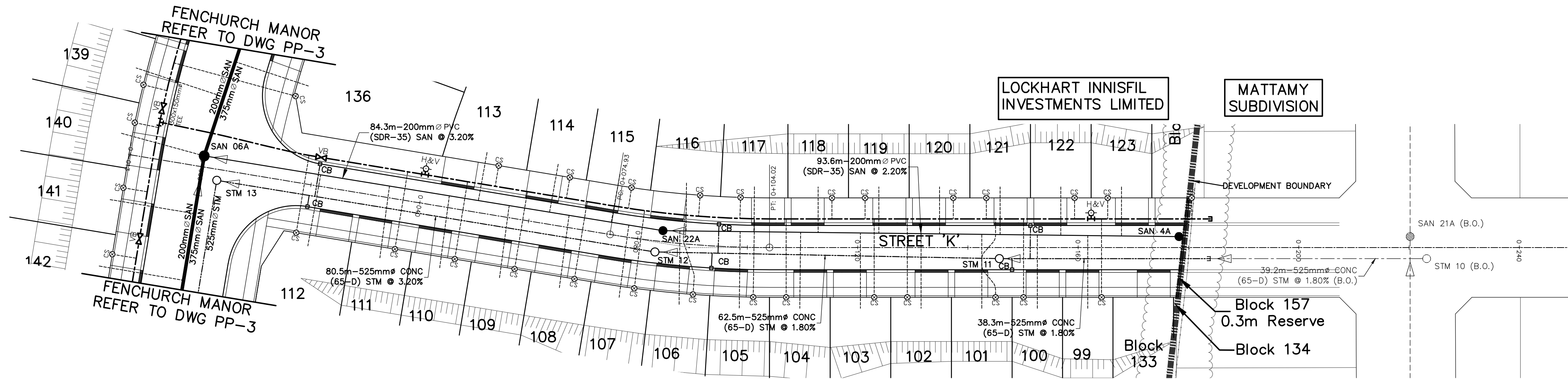
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INVESTMENTS LIMITED
SUBDIVISION

PLAN AND PROFILE
STREET 'J'
STA. -0+020 TO 0+260

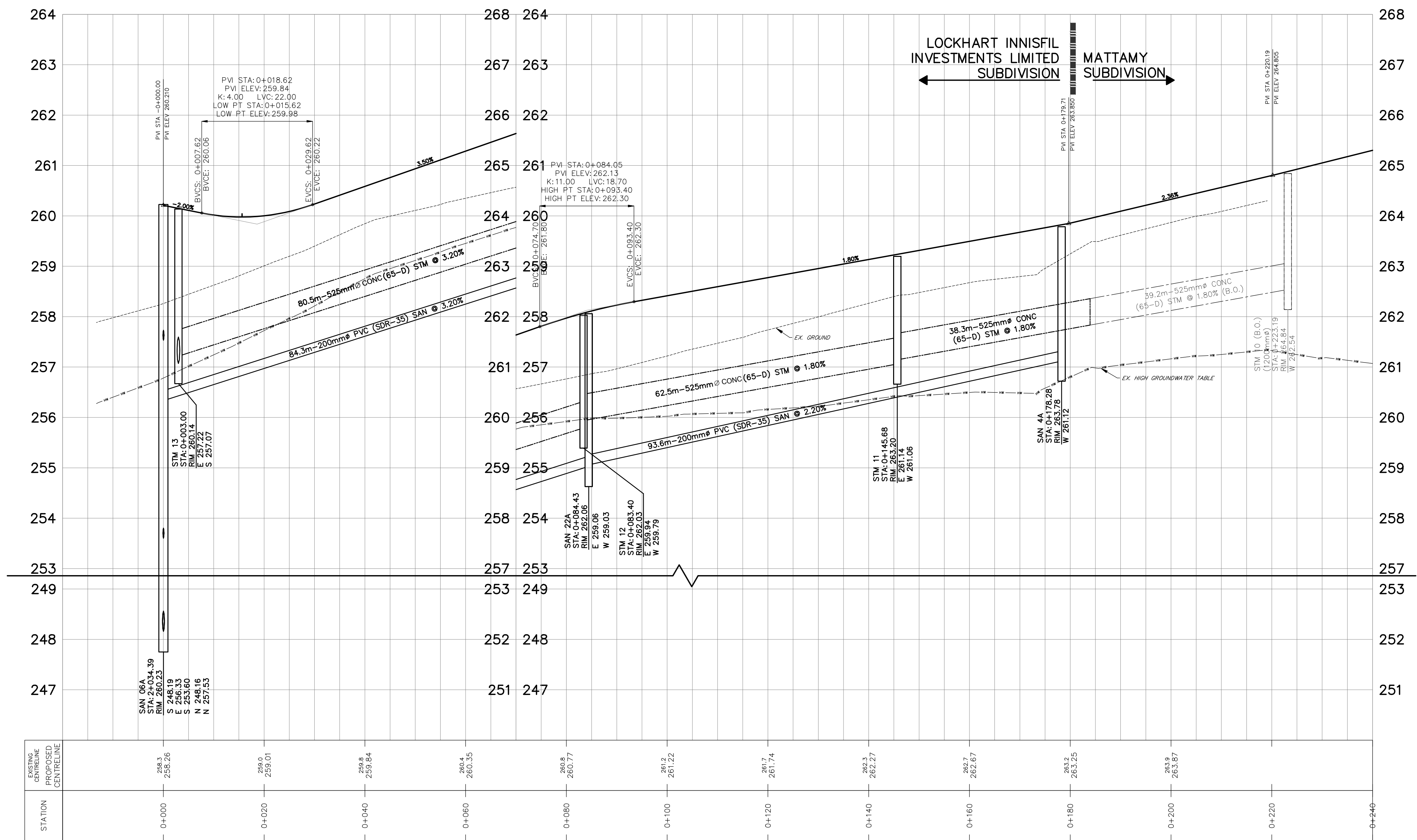


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DESIGN	JH	SCALE: 1:500	DATE	JUNE 2021
DRAWN	JH	PROJECT	DWG. NO	
CHECKED	JWI	GOL-14193	PP-8	



KEY PLAN
NTS



LEGEND	
	SANITARY MAINTENANCE HOLE (BY OTHERS)
	STORM MAINTENANCE HOLE (BY OTHERS)
	CATCHBASIN (BY OTHERS)
	DOUBLE CATCHBASIN (BY OTHERS)
	VALVE & BOX (BY OTHERS)
	HYDRANT & VALVE (BY OTHERS)
	SANITARY MAINTENANCE HOLE
	STORM MAINTENANCE HOLE
	CATCH BASIN
	DOUBLE CATCH BASIN
	HYDRANT AND VALVE
	VALVE AND BOX
	SANITARY SERVICE

BENCHMARK:
BENCHMARK NO. 00193104605 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET, TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK, ELEV 263.480
BENCHMARK NO. 01019865454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LONERS CREEK, 0.55m EAST OF HURONIA ROAD, TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING, ELEV. 241.862
BENCHMARK NO. 01019860407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE, APPROXIMATELY 500m EAST OF HURONIA ROAD, N.4910727.688 E.607083.931
BENCHMARK NO. 01019860404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE, APPROXIMATELY 300m WEST OF YONGE STREET, N.491189.897 E.60853.376

NO.	REVISIONS	DATE	INITIAL
1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI



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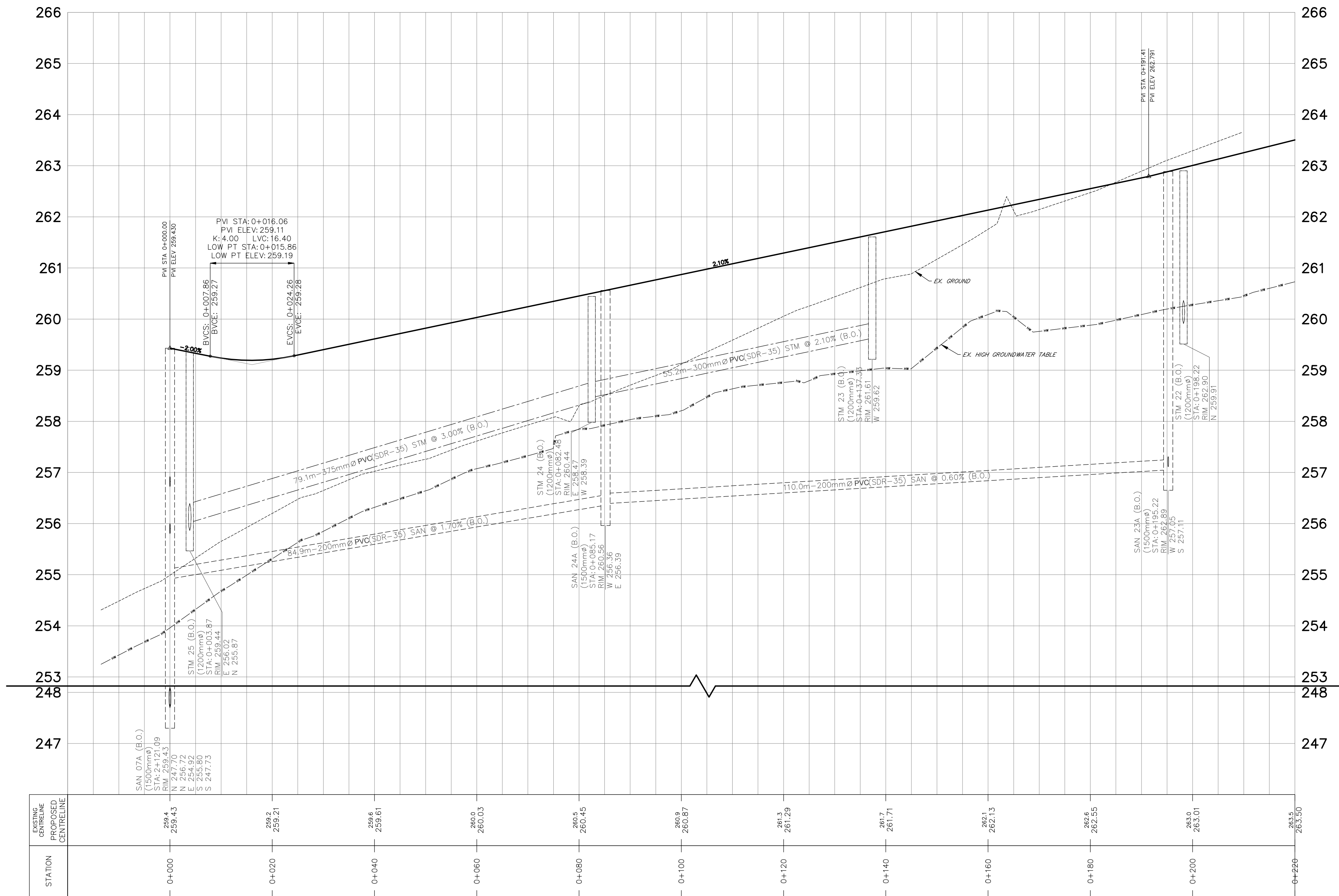
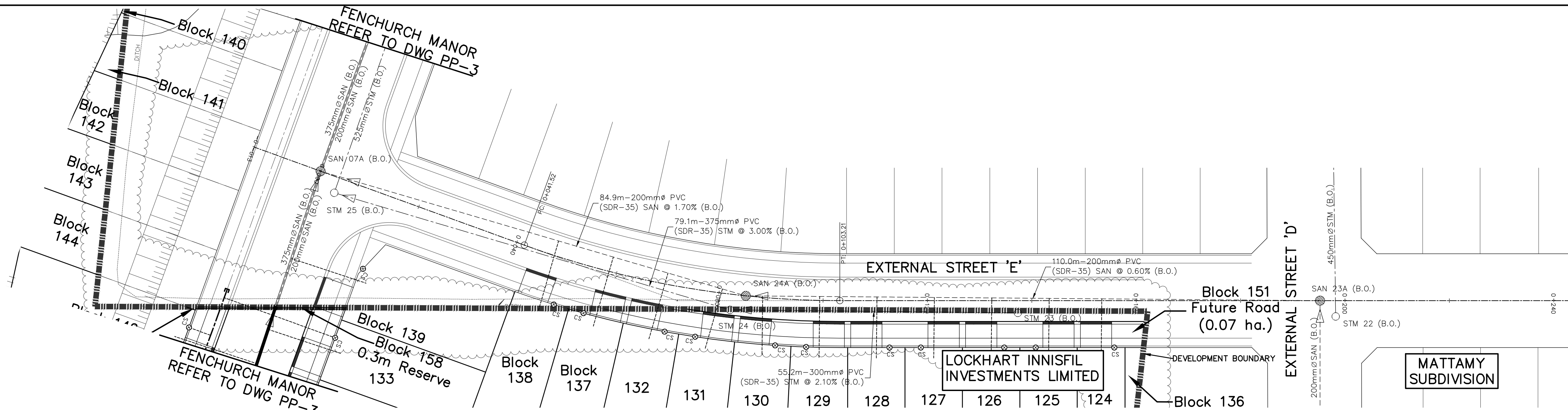
PLAN AND PROFILE
STREET 'K'
STA. -0+020 TO 0+240



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DESIGN JH	SCALE: 1:500	DATE JUNE 2021
DRAWN JH	PROJECT	DWG. NO
CHECKED JWI	GOL-14193	PP-9

G:\Eng_3D\GOL-14193-E\Production DWG\GOL-14193-PP_Ydwg Layout\10 Plotted Oct 06, 2021 @ 4:17pm by Jherman The Jones Consulting Group Ltd.



BENCHMARK:

BENCHMARK NO. 001931U4605 SOUTHWEST CORNER OF ST. PAUL'S CRESCENT AND YONGE STREET. TABLE SET HORIZONTALLY IN NORTH FACE OF CONCRETE FOUNDATION OF ST. PAUL'S ANGLICAN CHURCH, AT NORTH-EAST CORNER (TOWER) 15.2m WEST OF BELL POLE AND 9.2m SOUTH-EAST OF "V" IN TWIN BIRCH TREES 15cm BELOW BRICK. ELEV 263.480

BENCHMARK NO. 01019885454 CONCRETE BRIDGE CARRYING MAPLEVIEW DRIVE EAST OVER LOWER CREEK, 0.85m EAST OF HURONIA ROAD. TABLE IS SET HORIZONTALLY IN THE NORTH FACE, 5.45m NORTH OF CENTRELINE OF ROAD, 28cm WEST OF THE NORTH-EAST END OF BRIDGE, 19cm BELOW TOP OF COPING. ELEV 241.862

BENCHMARK NO. 01019880407 LOCATED ON THE NORTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 500m EAST OF HURONIA ROAD. N 4910727.688 E 607083.931

BENCHMARK NO. 01019880404 LOCATED ON THE SOUTH SIDE OF MAPLEVIEW DRIVE APPROXIMATELY 300m WEST OF YONGE STREET. N 4911189.897 E 608033.316

1.	SUBMISSION FOR DRAFT PLAN APPROVAL	OCT 2021	JWI	
NO.	REVISIONS	DATE	INITIAL	



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SUBDIVISION

PLAN AND PROFILE,
EXTERNAL STREET 'E',
STA. -0+020 TO 0+220



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P. 705.734.2538
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DESIGN	JJH	SCALE: 1:500	DATE	JUNE 2021
DRAWN	JJH	PROJECT	DWG. NO	
CHECKED	JWI	GOL-14193	PP-10	