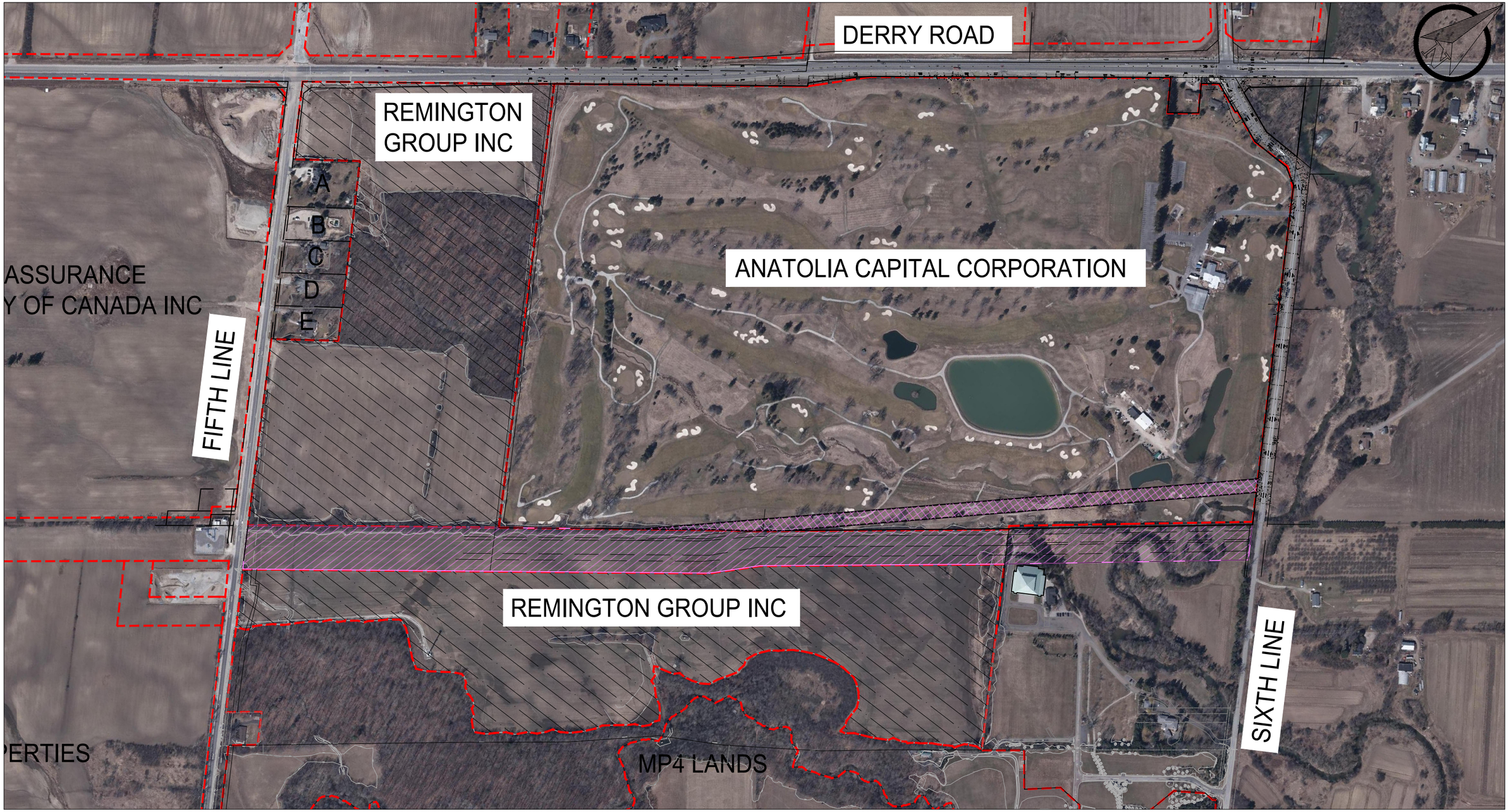

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SCALE: NTS

Legend

- OWNERSHIP BOUNDARY
- UNION GAS EASEMENT – ENVIRONMENTAL LINKAGE
- ENBRIDGE GAS EASEMENT
- SUBJECT LANDS WITHIN FSR

PROPERTY OWNERS

A–6765 LINE 5, MILTON, L9T2X8 – RUA, JOSE; RUA, IRENE PIN: 249370001
B–6751 LINE 5, MILTON, L9T2X8 – GHOMAN, JASMIT; GHOMAN, NARINDER PIN: 249370002
C–6739 LINE 5, MILTON, L9T2X8 – MIDDLETON, BETHANY; MIDDLETON, IAN PIN: 249370003
D–6715 LINE 5, MILTON, L9T2X8 MA, SANDY PUI–YEE; MA, CHARLES EDWARD PIN: 249370004
E–6709 LINE 5, MILTON, L9T2X8 NAEL, HUMAIRA; AHMED, NAEL PIN: 249370005

FUNCTIONAL SERVICING REPORT
DERRY GREEN LANDS
LIMITED PARTNERSHIP
DERRY GREEN CORPORATE BUSINESS PARK

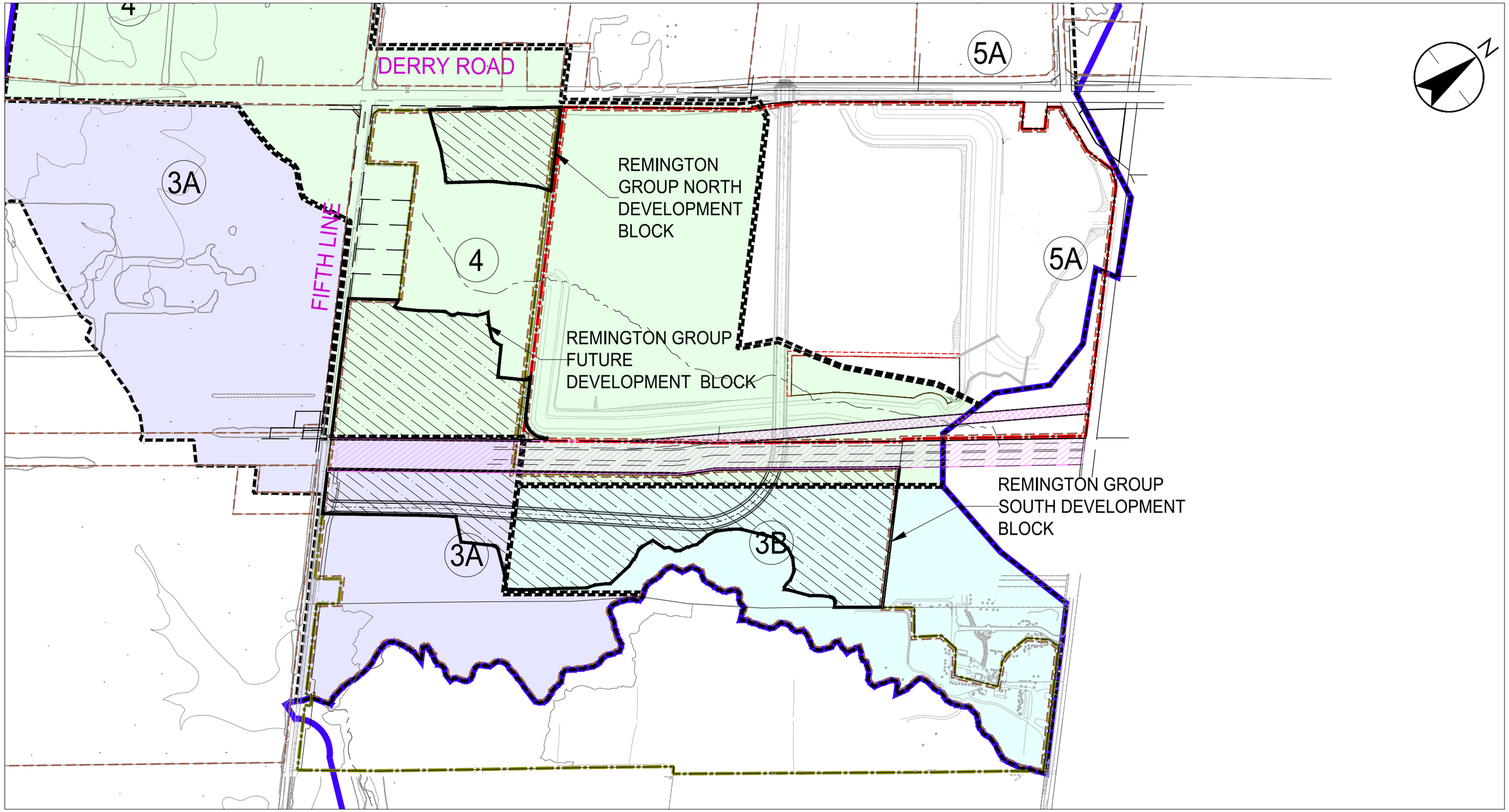
MILTON, ONTARIO

FIG 1.1R

SITE LOCATION AND LAND OWNERSHIP PLAN

February 2025

File: V:\01606\Active\160623125\Drawing\FSR\sheet_files [FSR]\FIG 1.1R Site Location Plan.dwg – Revised by <Georges, Desley>, Wed, Feb 26, 2025, 5:06 PM



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GEO MORPHIX™

SCALE= N.T.S.

Legend

- SIS 3A BOUNDARY
- SIS 3B BOUNDARY
- SIS 4 BOUNDARY
- SIS 5A BOUNDARY
- BUSINESS PARK II BOUNDARY
- OWNERSHIP BOUNDARY
- SUBJECT LANDS
- UNION GAS EASEMENT – ENVIRONMENTAL LINKAGE
- ENBRIDGE GAS EASEMENT
- SUBJECT LANDS WITHIN SIS AREA 3A, 3B, 4 AND SIS AREA 5A
- REMINGTON GROUP DEVELOPMENT BLOCK BOUNDARY

DERRY GREEN CORPORATE BUSINESS PARK

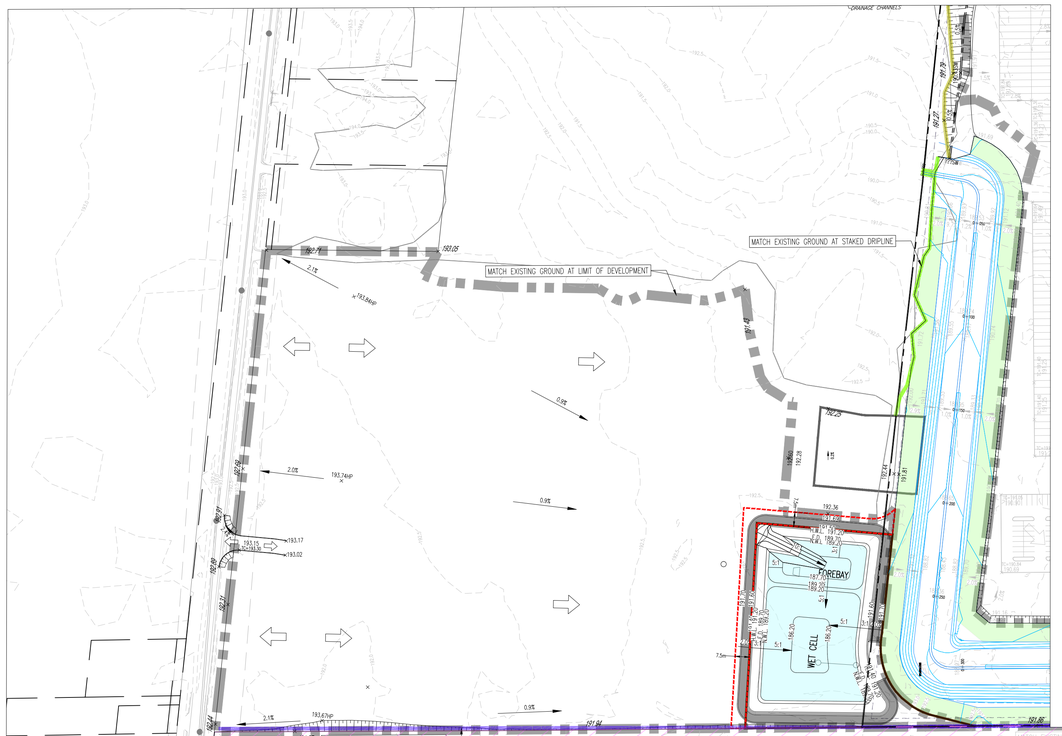
FUNCTIONAL SERVICING REPORT

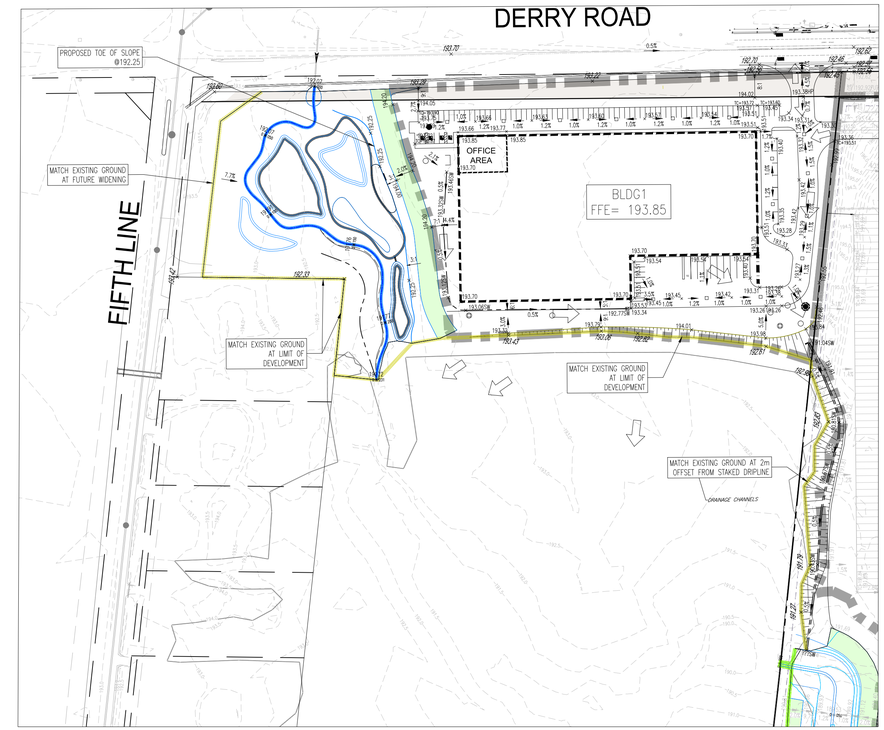
FIG 1.2R

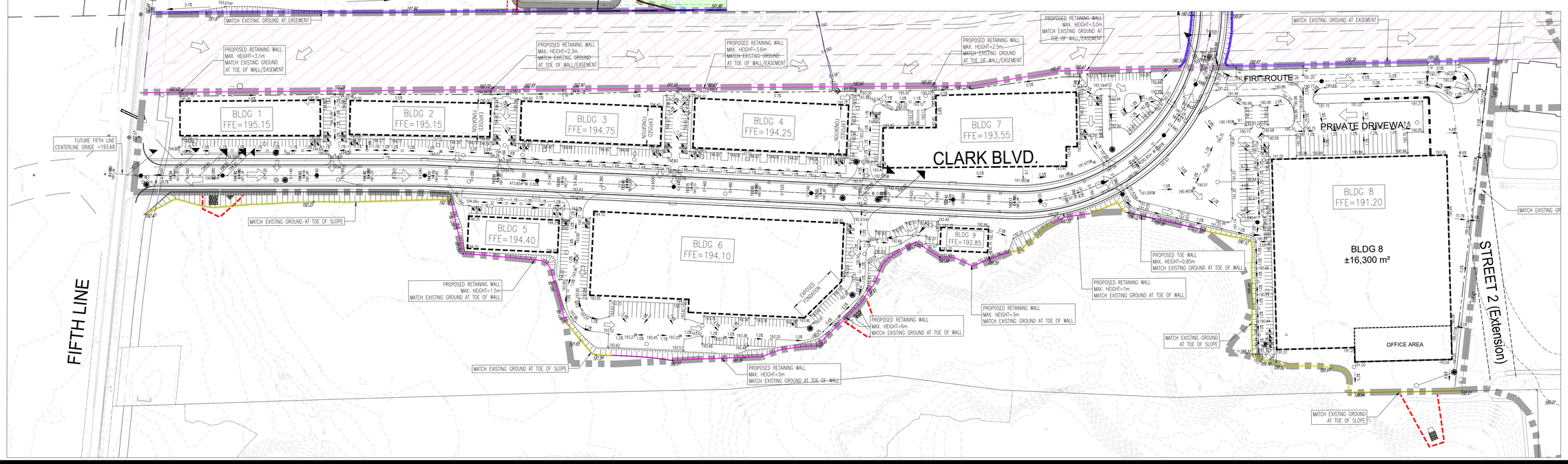
REMINGTON DEVELOPMENT BLOCK PLAN

March 2025

File: V:\01606\Active\160623125\Drawing\FSR\sheet_files [FSR]\FIG 1.2R Remington Development Block Plan.dwg – Revised by <Georges, Desley> , Fri, Mar 07, 2025 , 2:18 PM







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Legend

- LIMIT OF DEVELOPMENT
- EXTENT OF DISTURBANCE INTO NHS
- UNION GAS EASEMENT – ENVIRONMENTAL LINKAGE
- FUTURE PHASE
- 163.84 PROPOSED SPOT ELEVATION
- 163.84 EXISTING SPOT ELEVATION
- —195.0— EXISTING CONTOUR AND ELEVATION
- OVERLAND FLOW ARROW
- 3:1 SLOPE
- RETAINING WALL
- MATCH EXISTING GROUND AT TOE/TOP OF SLOPE
- MATCH EXISTING GROUND AT STAKED DRIPLINE
- MATCH EXISTING GROUND AT EASEMENT
- INTERSECTION
- SLOPE UP / SLOPE DOWN
- LOW POINT
- HIGH POINT
- STORM MANHOLE
- PROPOSED OGS UNIT
- SINGLE/DOUBLE CATCHBASIN

Client/Project

DERRY GREEN LANDS LIMITED PARTNERSHIP

DERRY GREEN CORPORATE BUSINESS PARK

Milton, Ontario

Title

GRADING PLAN

FUNCTIONAL SERVICING REPORT

Project No.	Scale	Dwg No.
1606 23071	1:1500	FIG 3.1R

Y:\01606\ACTIVE\160623071\DRAWING\PSR\SHEET_FILES (PSR)\FIG 3.1R GRADING PLAN.DWG

ORIGINAL SHEET - ARCH D

NAME	AREA	GROUP	STRIP	PREGRADE	STRIP VOL	CUT VOL	FILL VOL	NET VOL
BLDG 1,2,3,4,7_1	52168.48	REGION	0.3	0.5	15650.544	16.296	126171.56	126155.264
BLDG 5,6,9_1	34356.359	REGION	0.3	0.5	10306.908	1610.781	90984.313	89373.531
BLDG 8_1	51669.671	REGION	0.3	0.5	15500.901	5297.574	21393.934	16096.36
BLDG 1 - DERRY_1	29765.034	REGION	0.3	0.5	8929.51	2196.559	14379.569	12183.01
CLARK BLVD_1	24465.482	REGION	0.3	0.65	7339.645	127.629	34578.106	34450.478
P4-2_1	7169.496	REGION	0.3	0.3	2150.849	23575.457	0.014	-23575.443
PARK_1	71297.677	REGION	0.3	0.3	21389.303	4647.109	19888.331	15241.222
Total	**270892.2**				**81267.66**	**37471.41**	**307395.8**	**269924.42**

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Legend

- 0.18 HEIGHT OF FILL
- 0.18 DEPTH OF CUT
- APPROX. GOLF POND AREA TO SUB-EXCAVATE
- SAP BOUNDARY
- UNDERGROUND TANK

Client/Project

DERRY GREEN LANDS
LIMITED PARTNERSHIP

DERRY GREEN CORPORATE
BUSINESS PARK

Milton, Ontario

Title

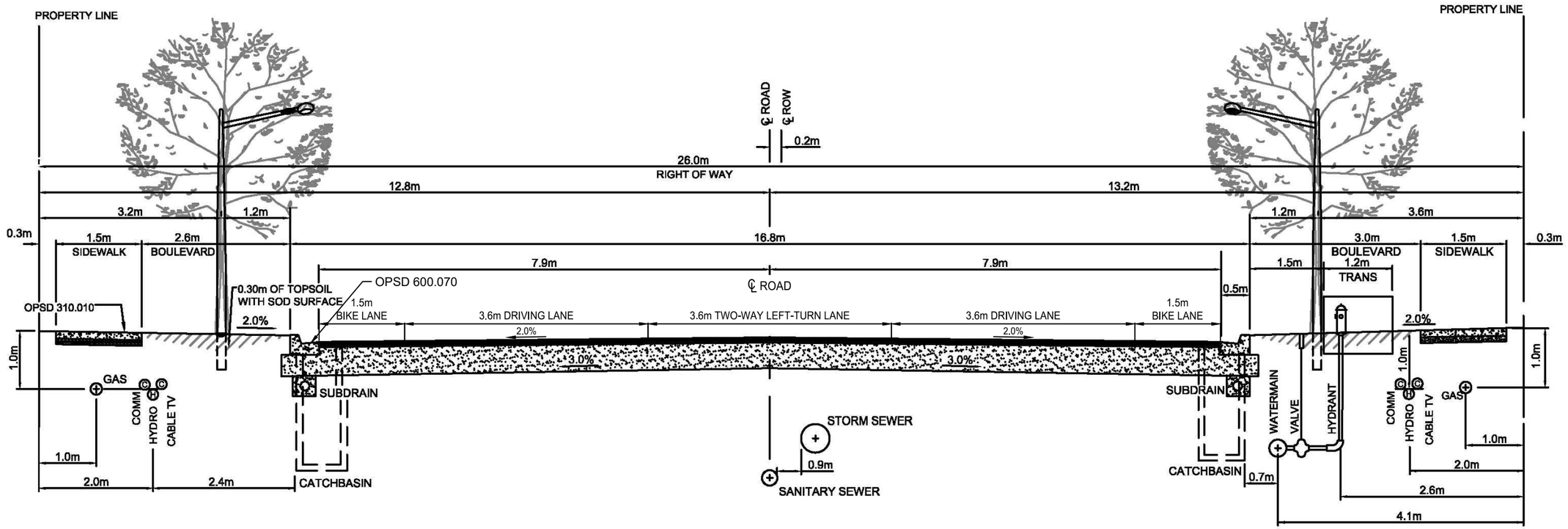
EARTHWORK QUANTITY

FUNCTIONAL SERVICING REPORT

Project No.	Scale	Dwg No.
1606 23071	1:2000	3.2

X:\01606\ACTIVE\606231\25\DRAWINGS\PSR\SHEET_FILES\PSR\FIG 3.2E EARTHWORK.DWG

ORIGINAL SHEET - ARCH D



NOTE:

1. CABLE AND BELL PEDESTALS TO BE ALIGNED WITH LIGHT STANDARDS
2. SIDEWALKS ARE TO BE PLACED ON BOTH SIDES OF THE R.O.W., UNLESS JUSTIFIED BY THE PEDESTRIAN ROUTING PLAN
3. CURB AND GUTTER PER OPSD 600.070
4. SINGLE AND DOUBLE LOADED REFERS TO BUILDINGS FRONTING THE R.O.W ON ONE OR BOTH SIDES, NOT TO SIDEWALK LOCATIONS.

MINIMUM ROAD STRUCTURE	
SURFACE COARSE	40mm HL3 HIGH STABILITY
BINDER COARSE	100mm HL8
BASE	150mm 19mm LIMESTONE
SUB BASE	375mm GRANULAR 'B', TYPE II

TOWN OF MILTON

26m ROAD ALLOWANCE - MAJOR COLLECTOR - SINGLE OR DOUBLE LOADED

SCALE: N.T.S.

DATE: MARCH 2017

STD. NO. E - 5

MILTON

Stantec

NOT TO SCALE

FUNCTIONAL SERVICING REPORT
DERRY GREEN LANDS
LIMITED PARTNERSHIP
DERRY GREEN CORPORATE BUSINESS PARK

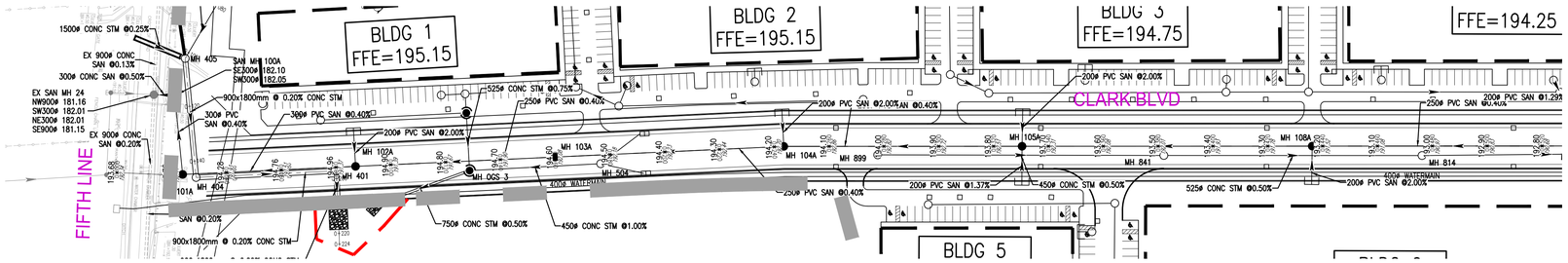
MILTON, ONTARIO

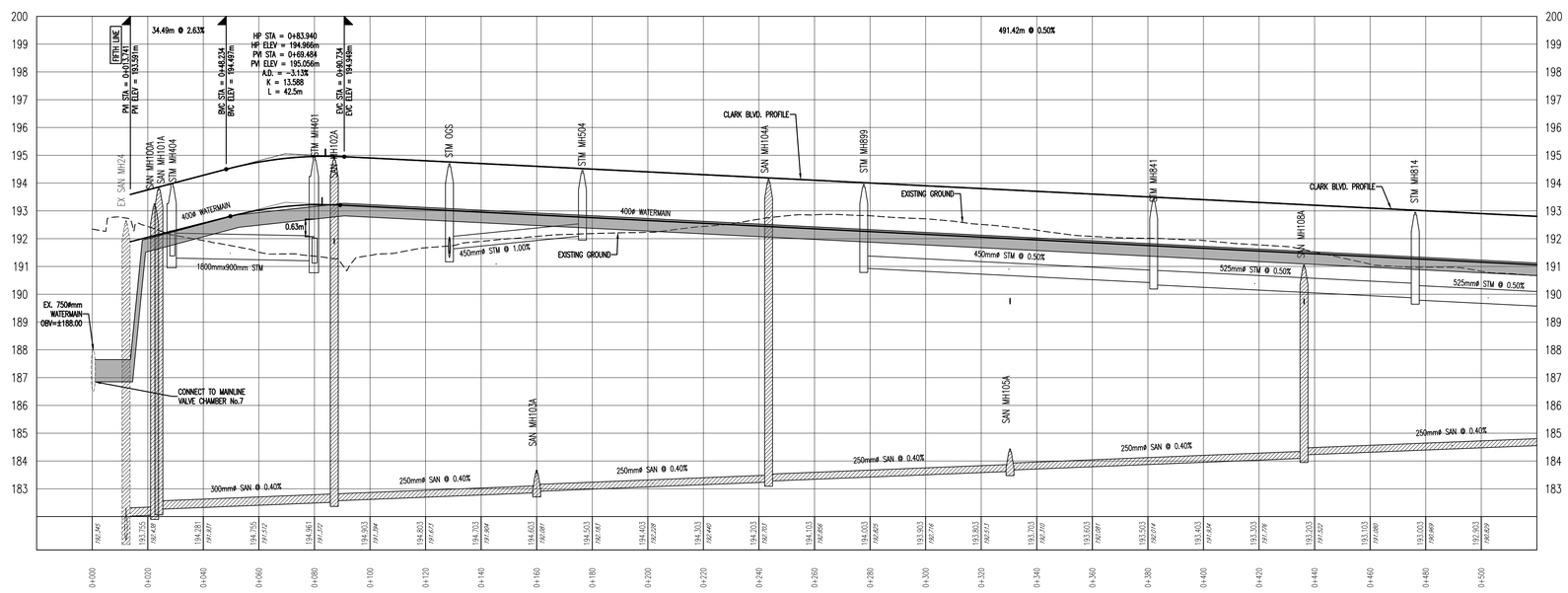
FIG 3.4R

26.0 ROW CROSS- SECTION
CLARK BOULEVARD

February 2025

File: V:\01606\Active\160623125\Drawing\FSR\sheet_files [FSR]\FIG 3.4R 26.0 ROW Cross- Section Clark Boulevard.dwg -- Revised by <Georges, Desley>, Wed, Feb 26, 2025 - 6:08 PM





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Legend

- LIMIT OF DEVELOPMENT
- UNION GAS EASEMENT – ENVIRONMENTAL LINKAGE
- FUTURE PHASE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY SEWER BY OTHERS
- EXISTING STORM MANHOLE
- STORM MANHOLE
- PROPOSED OGS UNIT
- SINGLE/DOUBLE CATCHBASIN

Client/Project

DERRY GREEN LANDS LIMITED PARTNERSHIP

DERRY GREEN CORPORATE BUSINESS PARK

Milton, Ontario

Title

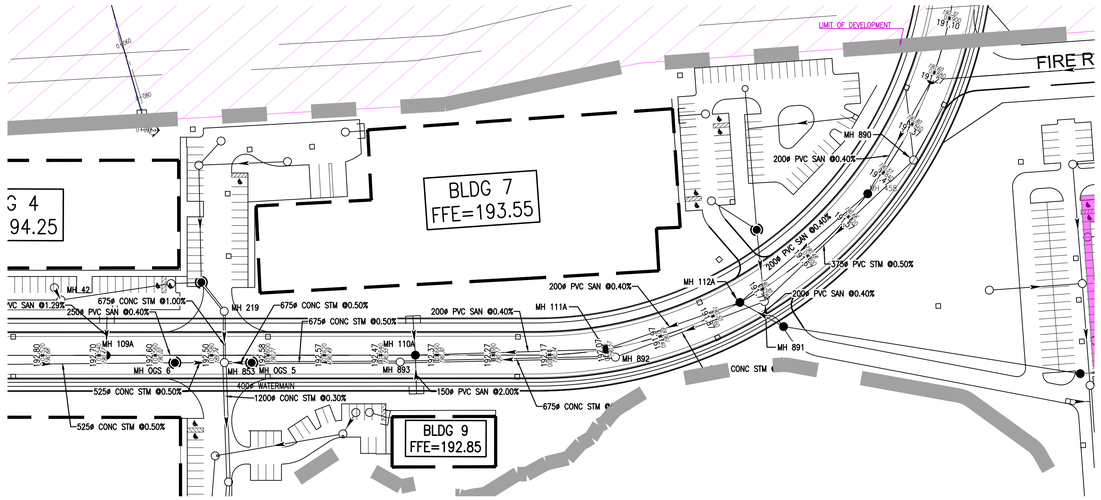
CLARK BLVD PLAN AND PROFILE

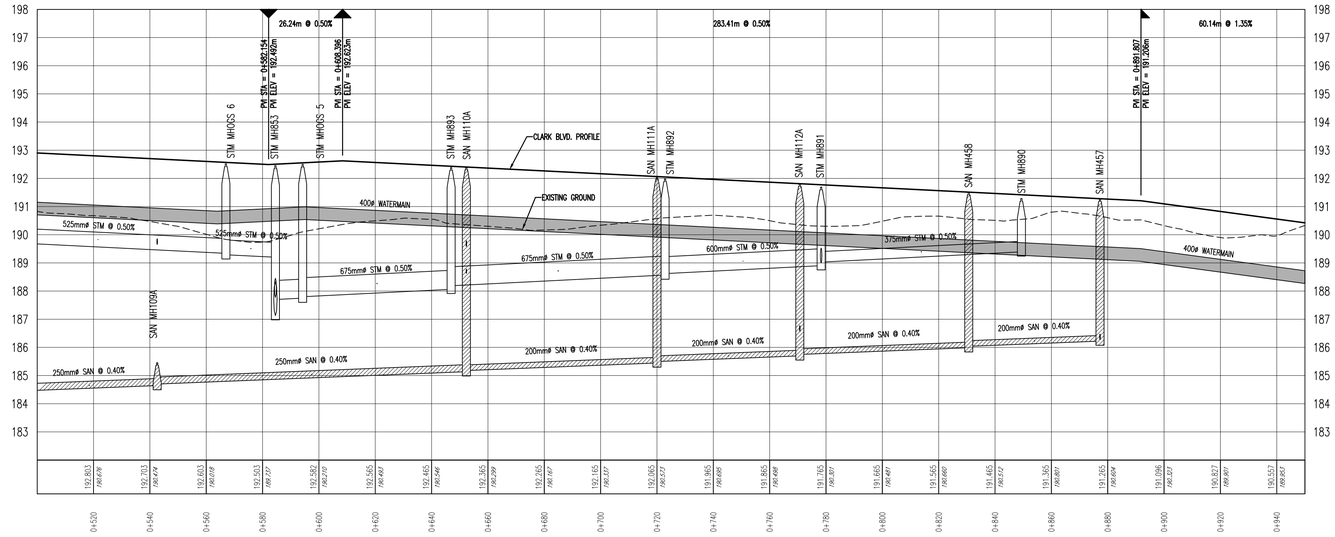
FUNCTIONAL SERVICING REPORT

Project No.	Scale	Dwg No.
1606 23071	1:1000H 100V	FIG 3.5R

V:\01606\ACTIVE\160823120\DRAWINGS\PSR\SHEET_FILES\PSR\FIG 3.5R CLARK BLVD PLAN AND PROFILE.DWG

ORIGINAL SHEET - ARCH D





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Legend

- LIMIT OF DEVELOPMENT
- UNION GAS EASEMENT – ENVIRONMENTAL LINKAGE
- FUTURE PHASE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY SEWER BY OTHERS
- EXISTING STORM MANHOLE
- STORM MANHOLE
- PROPOSED OGS UNIT
- SINGLE/DOUBLE CATCHBASIN

Client/Project

DERRY GREEN LANDS
LIMITED PARTNERSHIP

DERRY GREEN CORPORATE
BUSINESS PARK

Milton, Ontario

Title

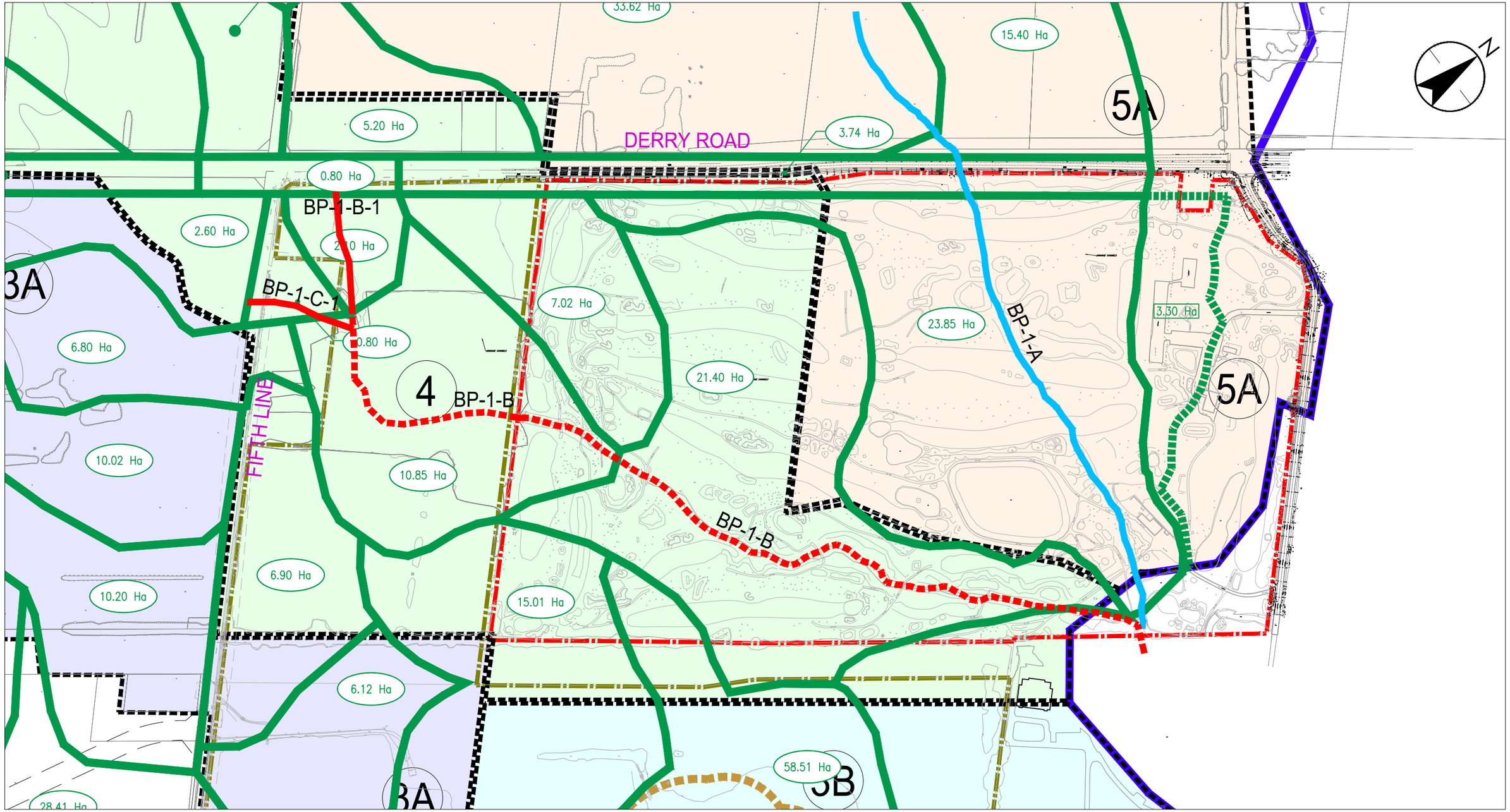
CLARK BLVD PLAN AND PROFILE 2

FUNCTIONAL SERVICING REPORT

Project No.	Scale	Dwg No.
1606 23071	1:1000H 100V	FIG 3.6R

V:\01606\ACTIVE\160623071\DRAWING\PSR\SHEET_FILES (PSR)\FIG 3.6R CLARK BLVD PLAN AND PROFILE.DWG

ORIGINAL SHEET - ARCH D



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SCALE 1:5000

Legend

- BUSINESS PARK II BOUNDARY
- SUBJECT LANDS
- DRAINAGE BOUNDARY FROM DWG4 IN FSEMS
- 6.90 Ha — DRAINAGE AREA FROM DWG4 IN FSEMS
- DRAINAGE BOUNDARY
- REACH BP-1-A (MEDIUM CONSTRAINT WATERCOURSE)
- REACH BP-1-B (MEDIUM-HIGH CONSTRAINT WATERCOURSE)
- 3.30 Ha — DRAINAGE AREA TO BP-1-A
- REACH BP-1-B-1 & BP-1-C (MEDIUM CONSTRAINT WATERCOURSE)

DRAINAGE BOUNDARIES TAKEN FROM FUNCTIONAL STORMWATER AND ENVIRONMENTAL MANAGEMENT STRATEGY DRAWING NO. 4

DERRY GREEN CORPORATE BUSINESS PARK

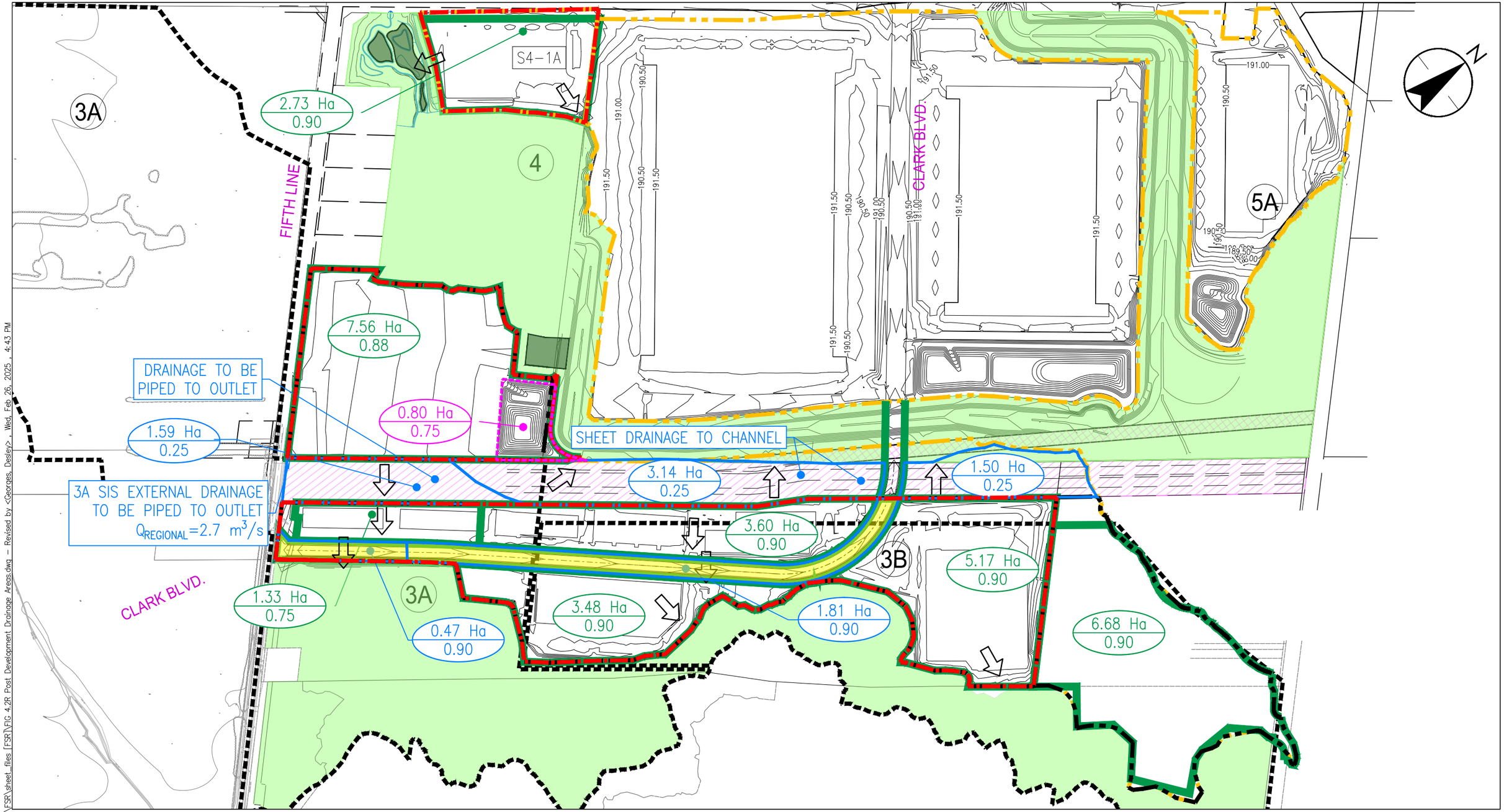
FUNCTIONAL SERVICING REPORT

FIG 4.1R

PRE-DEVELOPMENT DRAINAGE AREAS

July 2024

File: V:\01606\Active\160622773\Drawing\sheet_files [FSR] Remington\FIG 4.1R Pre-Development Drainage Areas.dwg - Revised by <Ng, Wai Man> , Tue, Jul 09, 2024 , 11:39 AM



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SCALE 1:5000

Legend

- SUBCATCHMENT DRAINAGE BOUNDARY
- SUBJECT LANDS
- PROPOSED GRADING CONTOURS
- PROPOSED DRAINAGE BOUNDARY
- INTERNAL BLOCK DRAINAGE BOUNDARY
- S5-2 CATCHMENT REFERENCE
- DRAINAGE TO CHANNEL BLOCKS
- PROPOSED LIMIT OF DEVELOPMENT
- OVERLAND FLOW DIRECTION
- UNION GAS EASEMENT – ENVIRONMENTAL LINKAGE
- ENBRIDGE GAS EASEMENT
- COMPENSATION AREA
- PROP NATURAL HERITAGE SYSTEM
- 22.70 Ha / 0.90 — DRAINAGE AREA / RUNOFF COEFFICIENT

DERRY GREEN CORPORATE BUSINESS PARK

FUNCTIONAL SERVICING REPORT

FIG 4.2R

POST DEVELOPMENT DRAINAGE AREAS

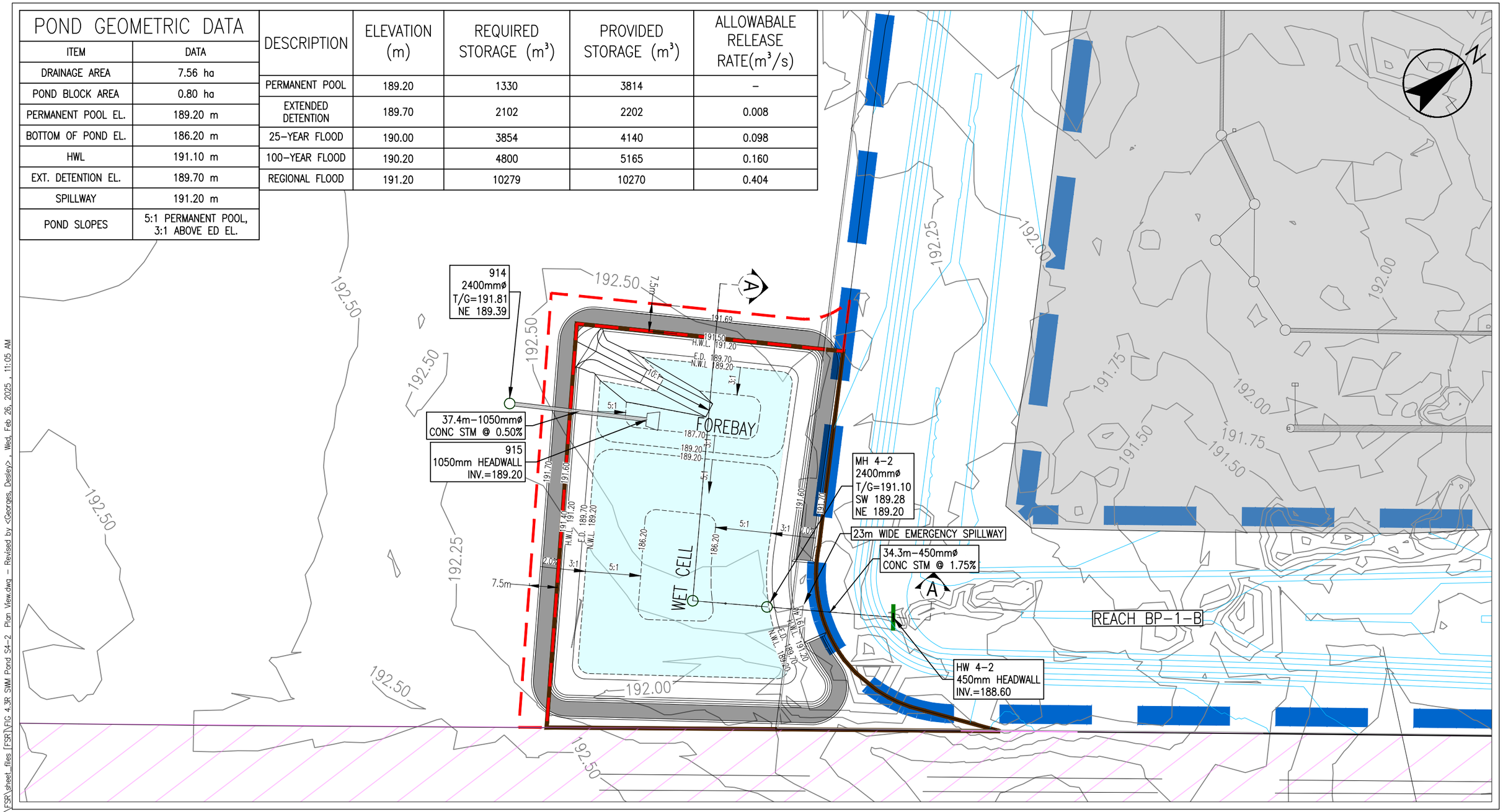
February 2025

File: V:\01606\Active\160623125\Drawing\FSR\sheet_files [FSR]\FIG 4.2R Post Development Drainage Areas.dwg – Revised by <Georges, Desley> , Wed, Feb 26, 2025 , 4:43 PM

POND GEOMETRIC DATA

ITEM	DATA
DRAINAGE AREA	7.56 ha
POND BLOCK AREA	0.80 ha
PERMANENT POOL EL.	189.20 m
BOTTOM OF POND EL.	186.20 m
HWL	191.10 m
EXT. DETENTION EL.	189.70 m
SPILLWAY	191.20 m
POND SLOPES	5:1 PERMANENT POOL, 3:1 ABOVE ED EL.

DESCRIPTION	ELEVATION (m)	REQUIRED STORAGE (m^3)	PROVIDED STORAGE (m^3)	ALLOWABALE RELEASE RATE(m^3/s)
PERMANENT POOL	189.20	1330	3814	–
EXTENDED DETENTION	189.70	2102	2202	0.008
25-YEAR FLOOD	190.00	3854	4140	0.098
100-YEAR FLOOD	190.20	4800	5165	0.160
REGIONAL FLOOD	191.20	10279	10270	0.404



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1:1000 0 10 20 30 40 50

Legend

- POND BLOCK
- CHANNEL BLOCK
- 191.50 PROPOSED CONTOURS (0.5m INTERVALS)
- PROPOSED CHANNEL CONTOURS (0.5m INTERVALS)
- POND ACCESS ROAD (4m WIDE)
- POND PERMANENT POOL
- INLET/OUTLET LOCATION
- PROPOSED LIMIT OF DEVELOPMENT
- PROPOSED STORM SEWER
- 7.5m POND BLOCK BUFFER
- POND BLOCK LIMIT

DERRY GREEN CORPORATE BUSINESS PARK

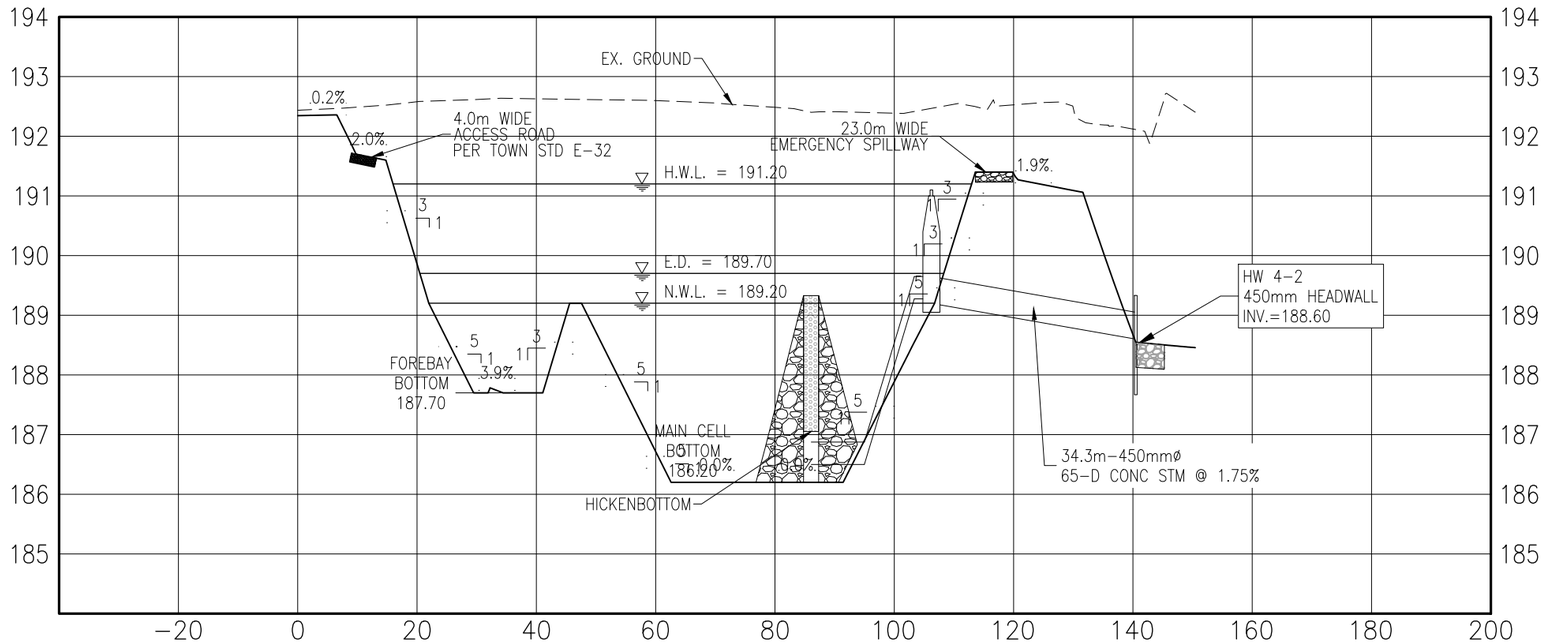
FUNCTIONAL SERVICING REPORT

FIG 4.3R

SWM POND S4-2 PLAN VIEW

February 2025

File: V:\01606\Active\160623125\Drawing\FSR\sheet_files [FSR]\FIG 4.3R SWM Pond S4-2 Plan View.dwg - Revised by <Georges, Desley> , Wed, Feb 26, 2025 , 11:05 AM



4-2

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1:1000 0 10 20 30 40 50

Legend

DERRY GREEN CORPORATE BUSINESS PARK

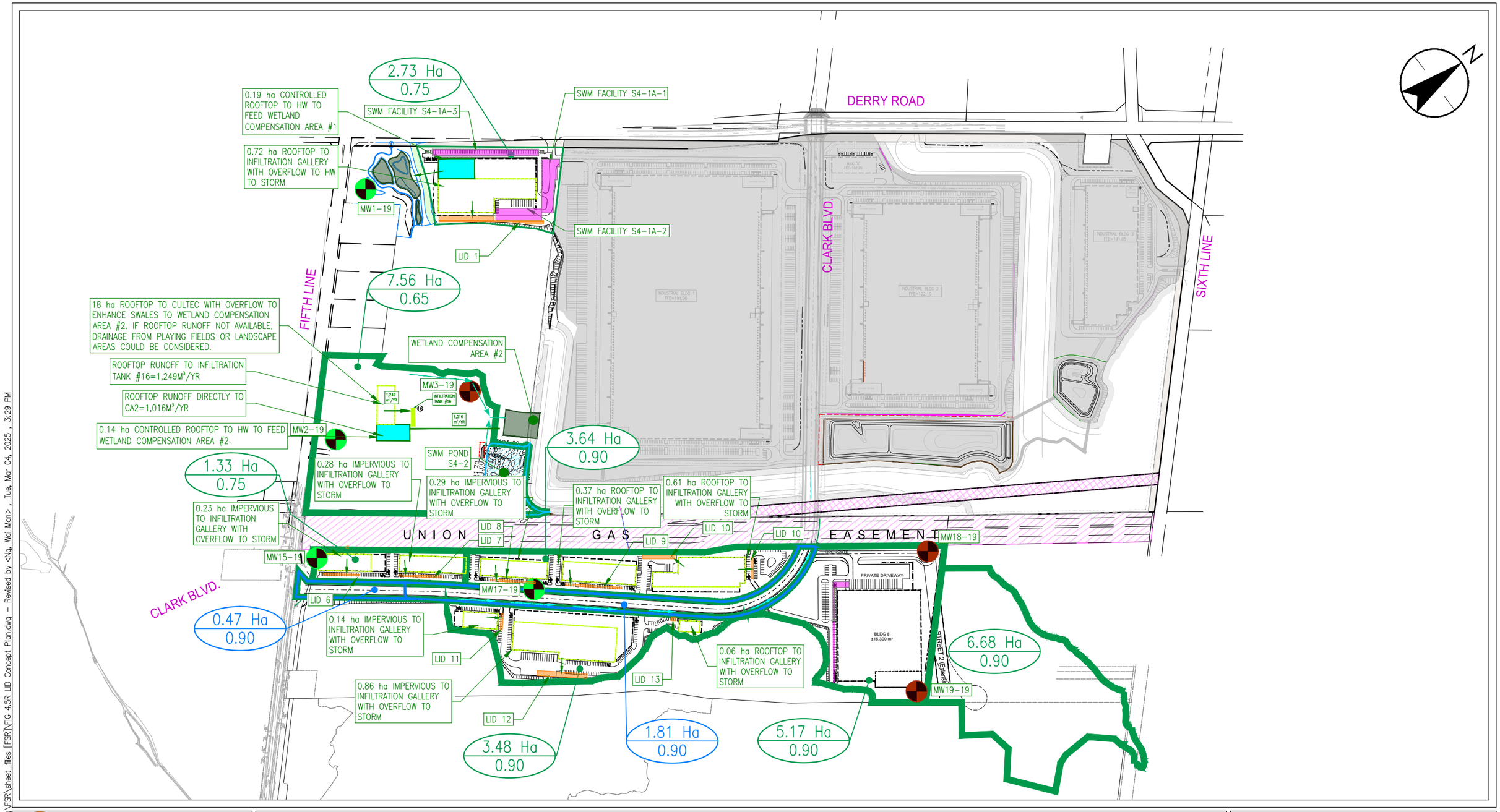
FUNCTIONAL SERVICING REPORT

FIG 4.4R

SWM POND S4-2 CROSS-SECTION

February 2025 2023

File: V:\01606\Active\160623125\Drawing\FSR\sheet_files [FSR]\FIG 4.4R SWM Pond S4-2 Cross-Section.dwg - Revised by <Georges, Desler>, Wed, Feb 26, 2025 , 12:58 PM



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0 60 120 180 240 300

1:6000

Legend

- MW INFILTRATION RATE 13.5–25 mm/hr (PER HYDROGEOLOGICAL ASSESSMENT PREPARED BY STANTEC (MARCH 2022)
- BH INFILTRATION RATE < 7.3 mm/hr (PER HYDROGEOLOGICAL ASSESSMENT PREPARED BY STANTEC (MARCH 2022)
- PROPOSED LIMIT OF DEVELOPMENT
- COMPENSATION AREA
- SUBSURFACE LINED CHAMBER SYSTEM
- SUBSURFACE INFILTRATION LID (STONE GALLERY)
- ROOF TO INFILTRATION LID
- ROOF TO WETLAND COMPENSATION AREA
- ENHANCED GRASS SWALE/BIOSWALE (SALT TOLERANT)

DERRY GREEN CORPORATE BUSINESS PARK

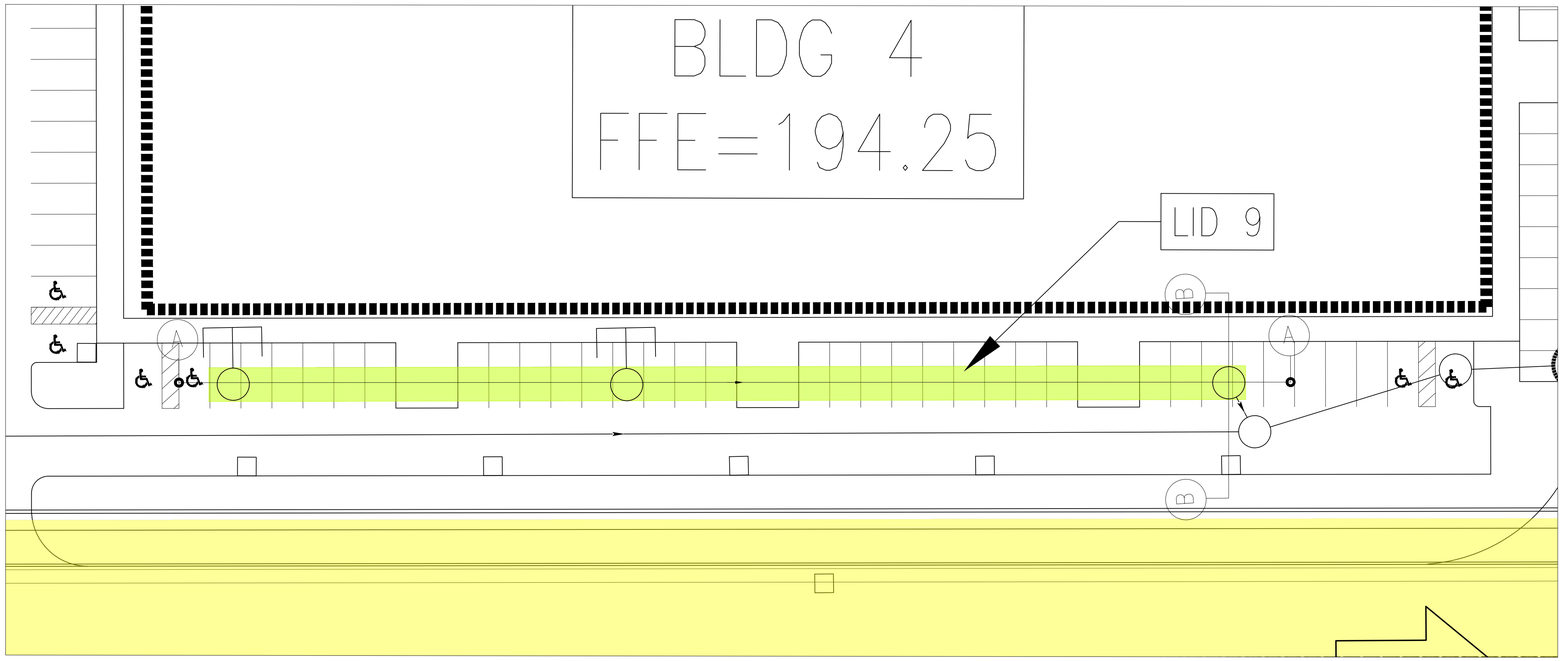
FUNCTIONAL SERVICING REPORT

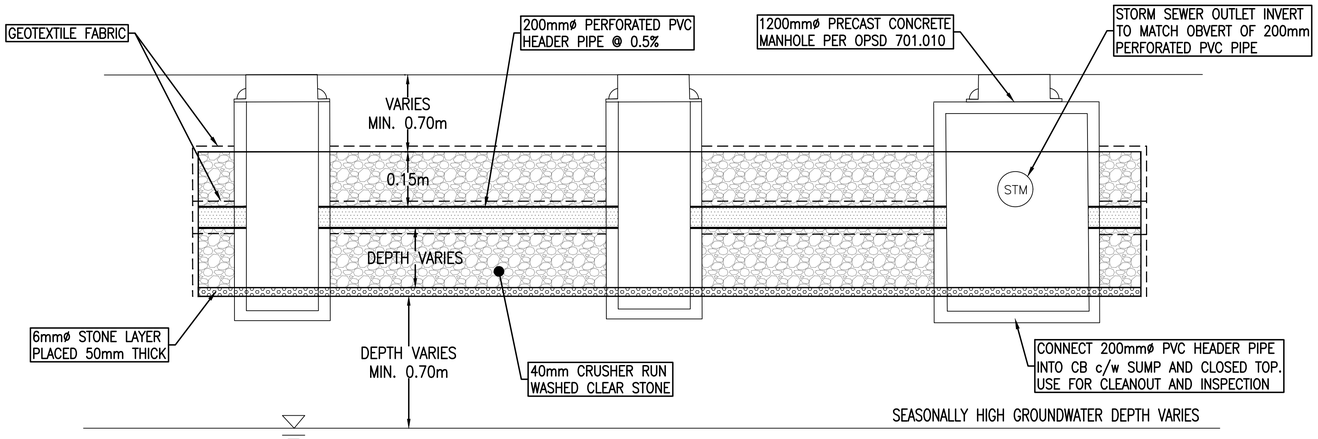
FIG 4.5R

LID CONCEPT PLAN

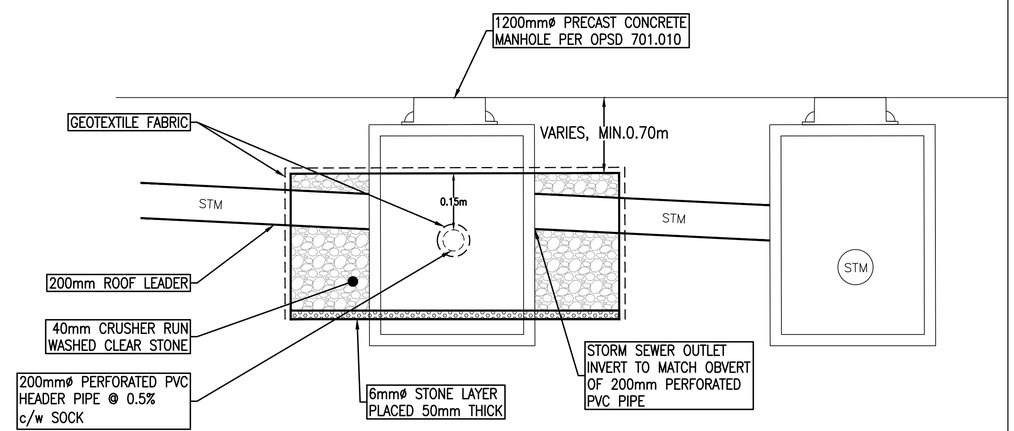
March 2025

File: V:\01606\Active\160623125\Drawing\FSR\sheet_files [FSR]\FIG 4.5R LID Concept Plan.dwg – Revised by <Ng, Wai Man> , Tue, Mar 04, 2025 , 3:29 PM





SECTION A–A



SECTION B–B

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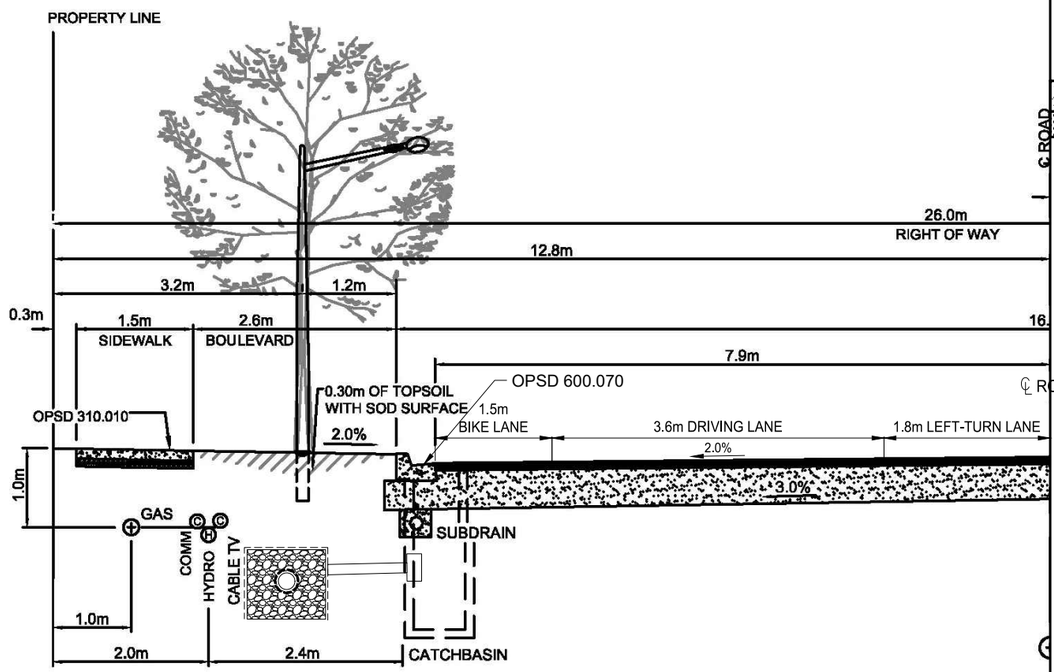
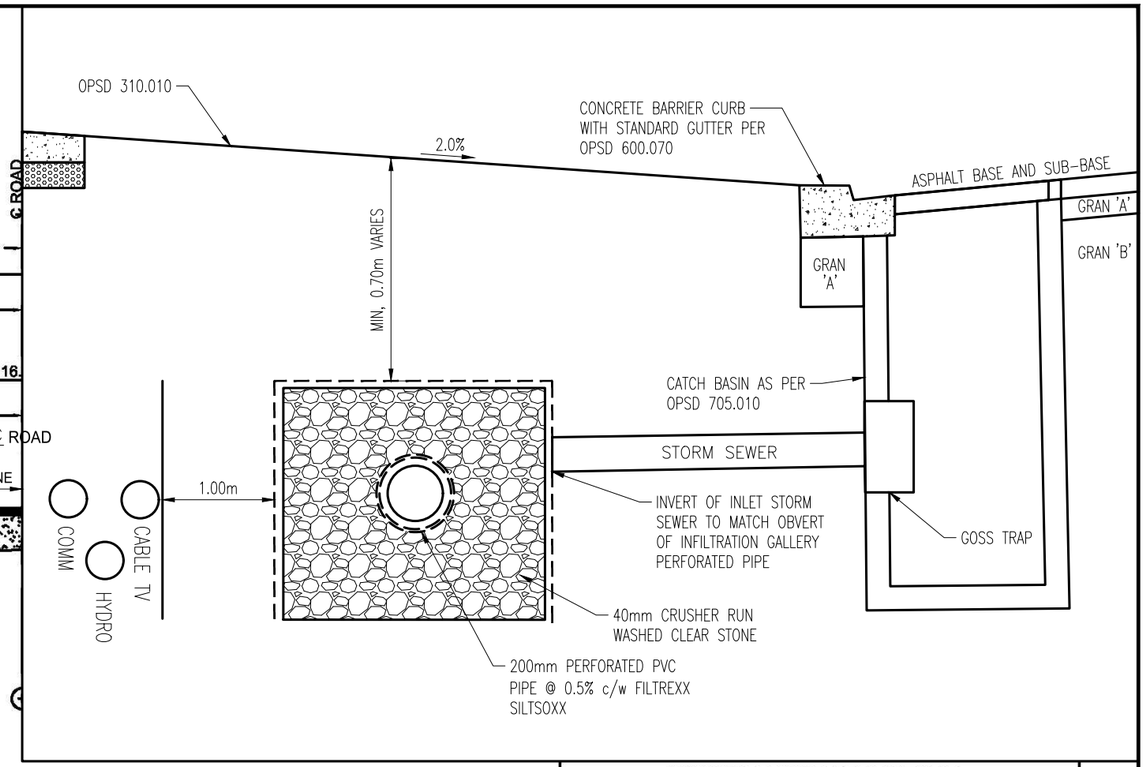
Legend

Client/Project
DERRY GREEN LANDS LIMITED PARTNERSHIP
DERRY GREEN CORPORATE BUSINESS PARK
Milton, Ontario

Title
TYPICAL INFILTRATION GALLERY DETAIL
FUNCTIONAL SERVICING REPORT

Project No.	Scale	Dwg No.
1606 23071	NTS	FIG 4.6R





MINIMUM ROAD STRUCTURE	
SURFACE COARSE	40mm HL3 HIGH STABILITY
BINDER COARSE	100mm HL8
BASE	150mm 19mm LIMESTONE
SUB BASE	375mm GRANULAR 'B', TYPE II

NOTE:

1. CABLE AND BELL PEDESTALS TO BE ALIGNED WITH LIGHT STANDARDS
2. SIDEWALKS ARE TO BE PLACED ON BOTH SIDES OF THE R.O.W., UNLESS JUSTIFIED BY THE PEDESTRIAN ROUTING PLAN
3. CURB AND GUTTER PER OPSD 600.070
4. SINGLE AND DOUBLE LOADED REFERS TO BUILDINGS FRONTING THE R.O.W ON ONE OR BOTH SIDES, NOT TO SIDEWALK LOCATIONS.

Stantec

NOT TO SCALE

FUNCTIONAL SERVICING REPORT
DERRY GREEN LANDS
LIMITED PARTNERSHIP
DERRY GREEN CORPORATE BUSINESS PARK

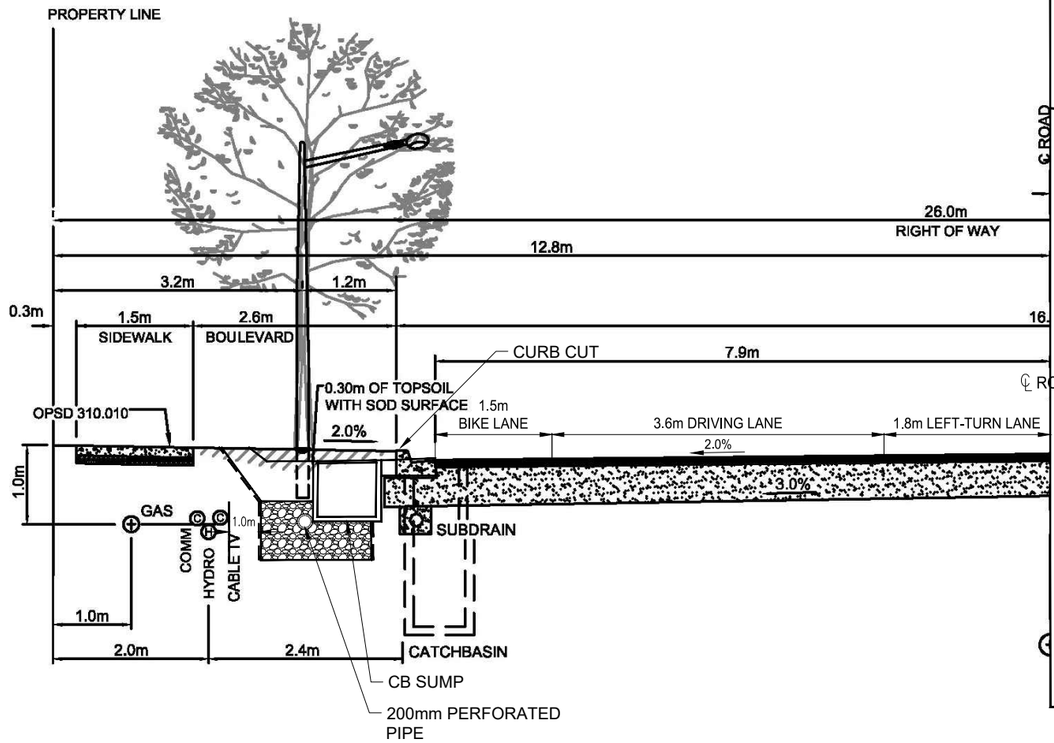
MILTON, ONTARIO

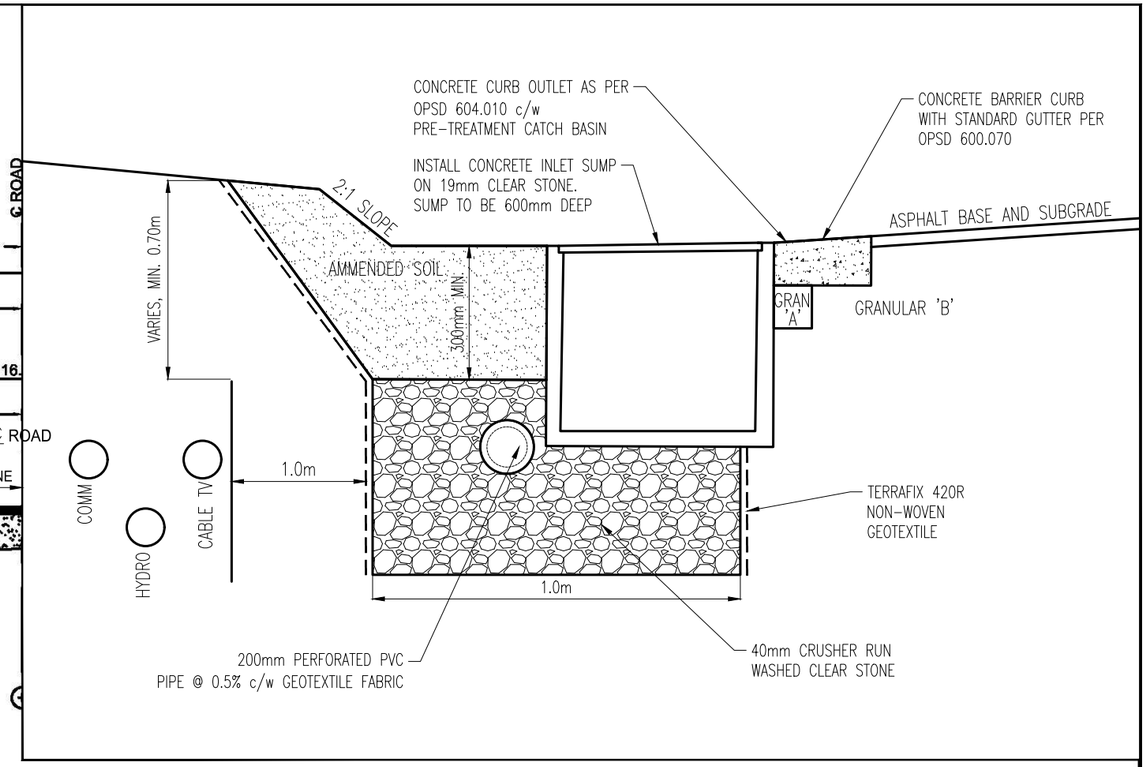
FIG 4.7R

STD. NO. E-5 (MODIFIED)
26.0m ROW CROSS-SECTION CLARK BOULEVARD WITH CATCH BASIN EXFILTRATION

February 2025

File: V:\01606\Active\160623125\Drawing\FSR\sheet_files [FSR]\FIG 4.7R Modified ROW X-Section Clark BLVD with Catchbasin Exfiltration.dwg – Revised by <Georges, Desley>, Wed, Feb 26, 2025 , 1:05 PM





MINIMUM ROAD STRUCTURE	
SURFACE COARSE	40mm HL3 HIGH STABILITY
BINDER COARSE	100mm HL8
BASE	150mm 19mm LIMESTONE
SUB BASE	375mm GRANULAR 'B', TYPE II

NOTE:

1. CABLE AND BELL PEDESTALS TO BE ALIGNED WITH LIGHT STANDARDS
2. SIDEWALKS ARE TO BE PLACED ON BOTH SIDES OF THE R.O.W., UNLESS JUSTIFIED BY THE PEDESTRIAN ROUTING PLAN
3. CURB AND GUTTER PER OPSD 600.070
4. SINGLE AND DOUBLE LOADED REFERS TO BUILDINGS FRONTING THE R.O.W ON ONE OR BOTH SIDES, NOT TO SIDEWALK LOCATIONS.

Stantec

NOT TO SCALE

0 40 80 120 160 200

1:4000

Legend

FUNCTIONAL SERVICING REPORT
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DERRY GREEN CORPORATE BUSINESS PARK

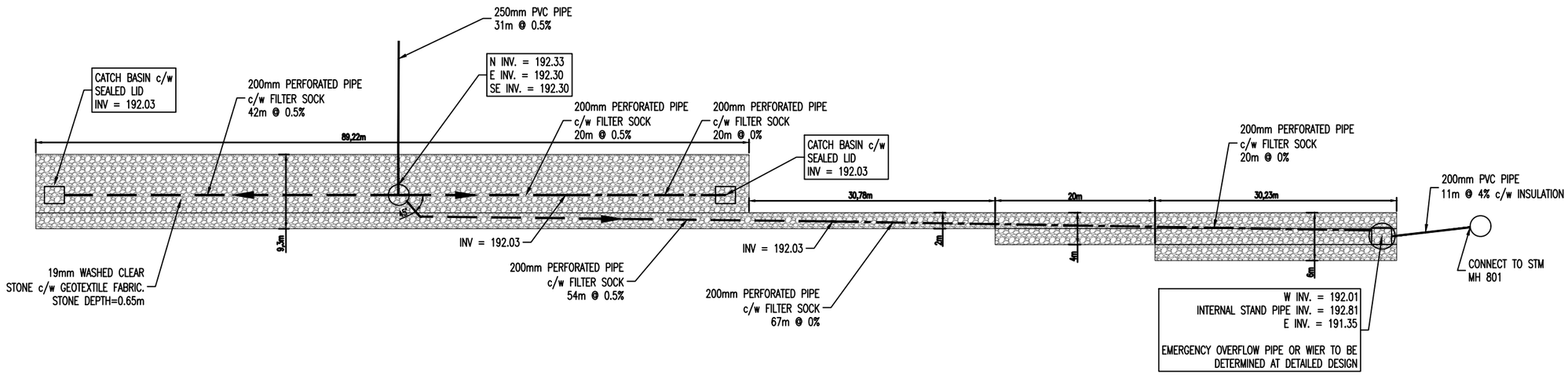
MILTON, ONTARIO

FIG 4.8R

STD. NO. E-5 (MODIFIED)
26.0m ROW CROSS-SECTION
CLARK BOULEVARD WITH BIORETENTION

February 2025

File: V:\01606\Active\160623125\Drawing\FSR\street_files [FSR]\FIG 4.8R Modified ROW X-Section Clark BLVD with Catchbasin Exfiltration.dwg – Revised by <Georges, Desley>, Wed, Feb 26, 2025 , 11:22 AM



Stantec

Legend

FUNCTIONAL SERVICING REPORT
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DERRY GREEN CORPORATE BUSINESS PARK

MILTON, ONTARIO

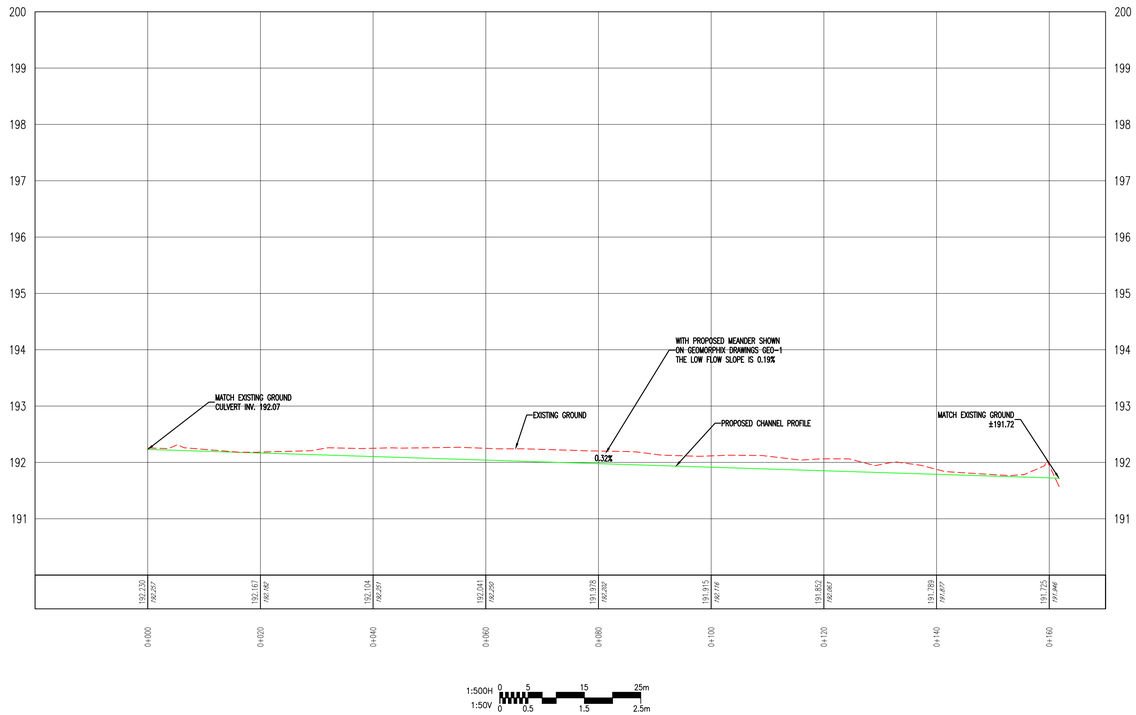
FIG 4.9

REMINGTON BUILDING 1 INFILTRATION GALLERY DETAIL

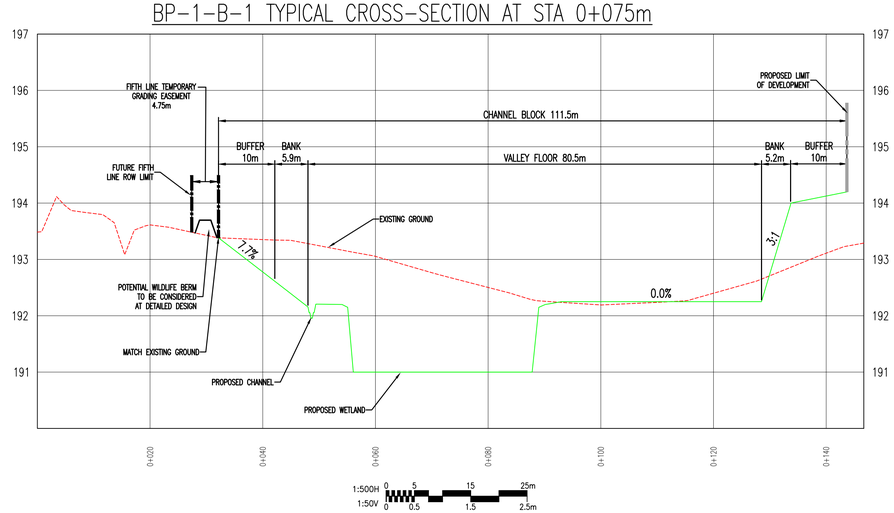
March 2025

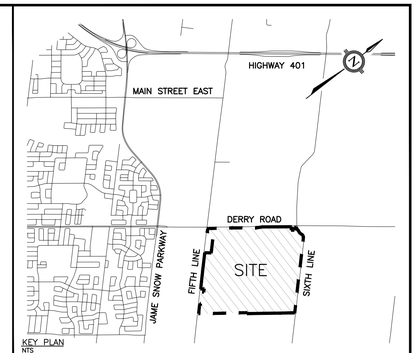
File: V:\01606\Active\160923125\Drawing\FSR\sheet_files [FSR]\FIG 4.9R Remington Building 1 Infiltration Gallery.dwg - Revised by <Ng, Wai Man>, Tue, Mar 04, 2025 , 3:35 PM

BP-1-B-1 PROFILE



BP-1-B-1 TYPICAL CROSS-SECTION AT STA 0+075m





KEY PLAN
NTS

BENCHMARK: No. _____ ELEV. ___.___m

ELEVATIONS ARE DERIVED FROM THE _____ BENCHMARK No. _____ HAVING A PUBLISHED ELEVATION OF ___.___m.

LEGEND

No.	DESCRIPTION	DATE	BY	APPROVED
4.				
3.				
2.				
1.				

REVISIONS

APPROVED
APPROVED AS TO FORM IN RELIANCE UPON THE PROFESSIONAL SKILL AND ABILITY OF STANTEC CONSULTING LTD., CONSULTING ENGINEERS, AS TO DESIGN AND SPECIFICATION

Director of Engineering Date

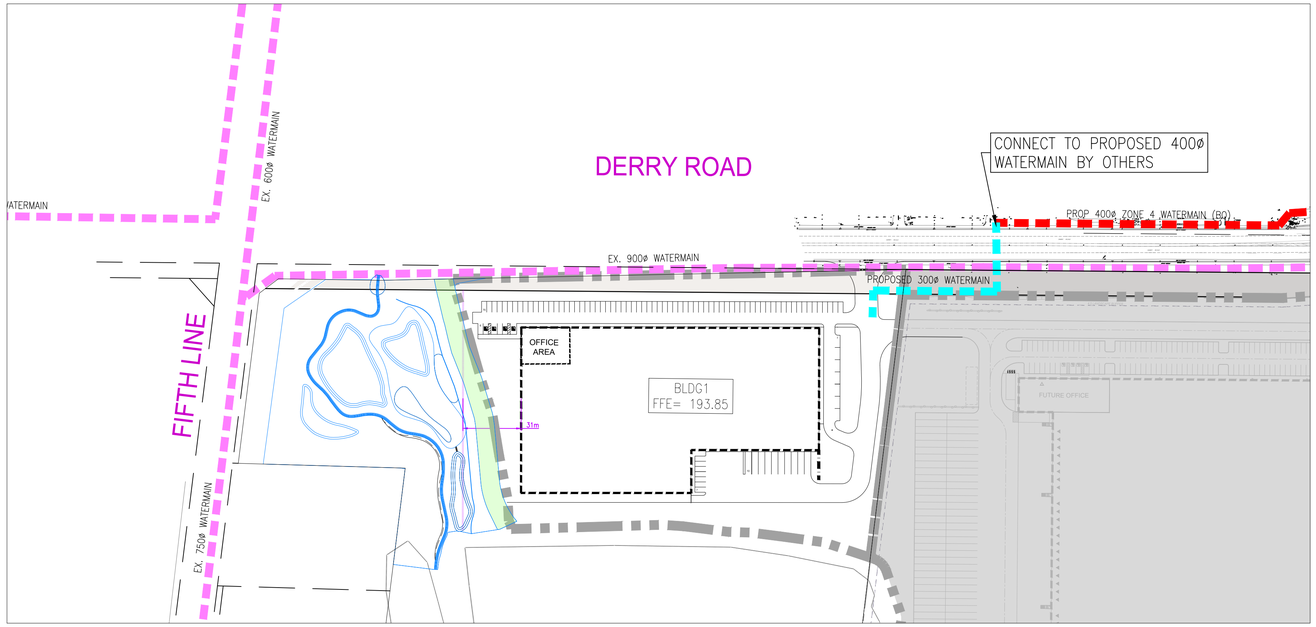
Stantec Consulting Ltd.
675 COCHRANE DRIVE, WEST TOWER SUITE 300
MARKHAM, ONTARIO L3R 0B8
TELEPHONE: (905) 944-7777
FAX: (905) 474-9889

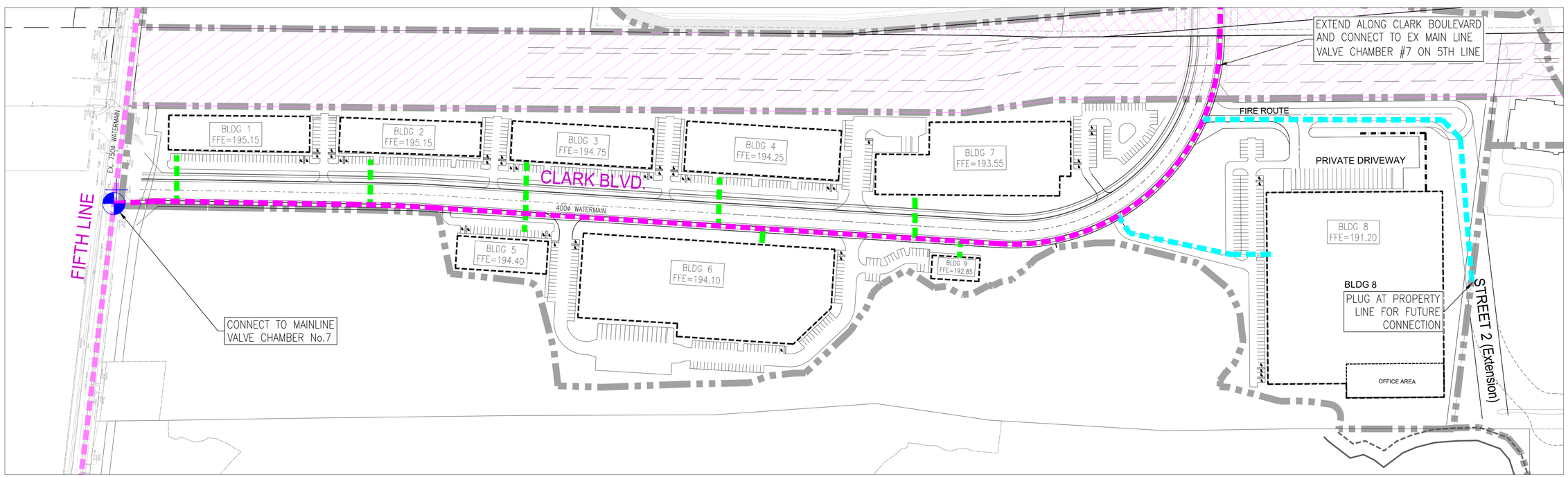
DERRY GREEN CORPORATE BUSINESS PARK
FUNCTIONAL SERVICING REPORT

TOWN FILE No. _____

TRIBUTARY BP-1-B-1 PROFILE

DESIGN BY: D.G.	DATE: February 2025	CHECKED BY: H.T.
DRAWN BY: D.G.	PROJECT No.	APPROVED BY: A.P.
SCALE: AS SHOWN	1606 22773	DWG. No. *FIG 5.2R*





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Markham ON
Tel. 905.944.7777
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Legend

- LIMIT OF DEVELOPMENT
- UNION GAS EASEMENT – ENVIRONMENTAL LINKAGE
- FUTURE PHASE
- EXISTING 400/600/750/900ø WATERMAIN
- PROPOSED 200ø WATERMAIN
- PROPOSED 300ø WATERMAIN
- PROPOSED 400ø WATERMAIN
- PROPOSED 400ø WATERMAIN BY OTHERS

Client/Project

DERRY GREEN LANDS LIMITED PARTNERSHIP

DERRY GREEN CORPORATE BUSINESS PARK

Milton, Ontario

Title

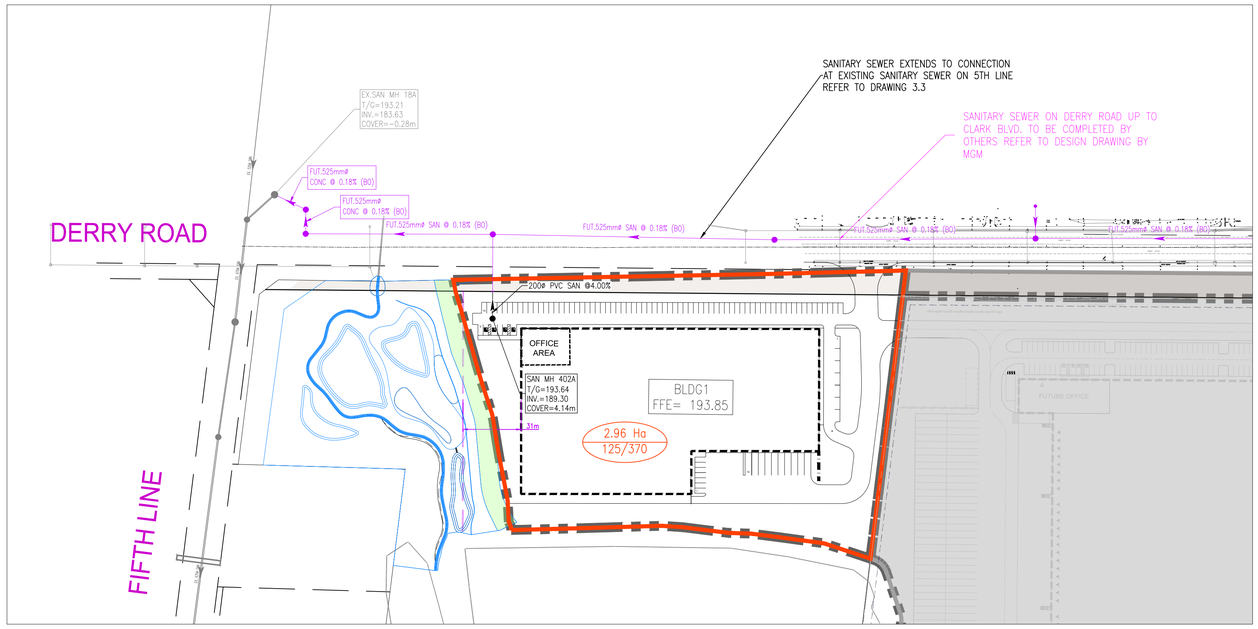
WATER SERVICING PLAN

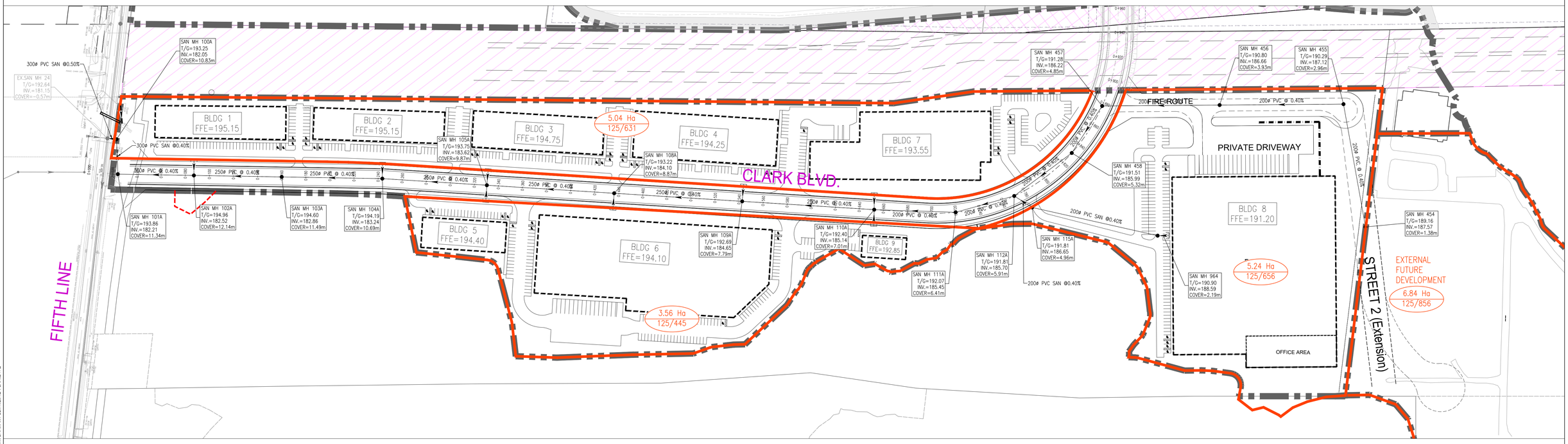
FUNCTIONAL SERVICING REPORT

Project No.	Scale	Dwg No.
1606 23071	1:1500	FIG 7.1R

V:\01606\ACTIVE\160623125\DRAWING\PSR\SHEET_FILES\PSR\FIG 7.1R WATER SERVICING PLAN.DWG

ORIGINAL SHEET - ARCH D





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V:\01606\ACTIVE\160623125\DRAWING\PSR\SHEET_FILES\PSR\FIG 8.1R SANITARY SERVICING PLAN.DWG

ORIGINAL SHEET - ARCH D

Legend

- LIMIT OF DEVELOPMENT
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY SEWER BY OTHERS
- UNION GAS EASEMENT – ENVIRONMENTAL LINKAGE
- FUTURE PHASE
- SANITARY DRAINAGE BOUNDARY
- 10.86 ha / 125/1358 — DRAINAGE AREA / POPULATION PER ha/TOTAL POPULATION

Client/Project

DERRY GREEN LANDS LIMITED PARTNERSHIP

DERRY GREEN CORPORATE BUSINESS PARK

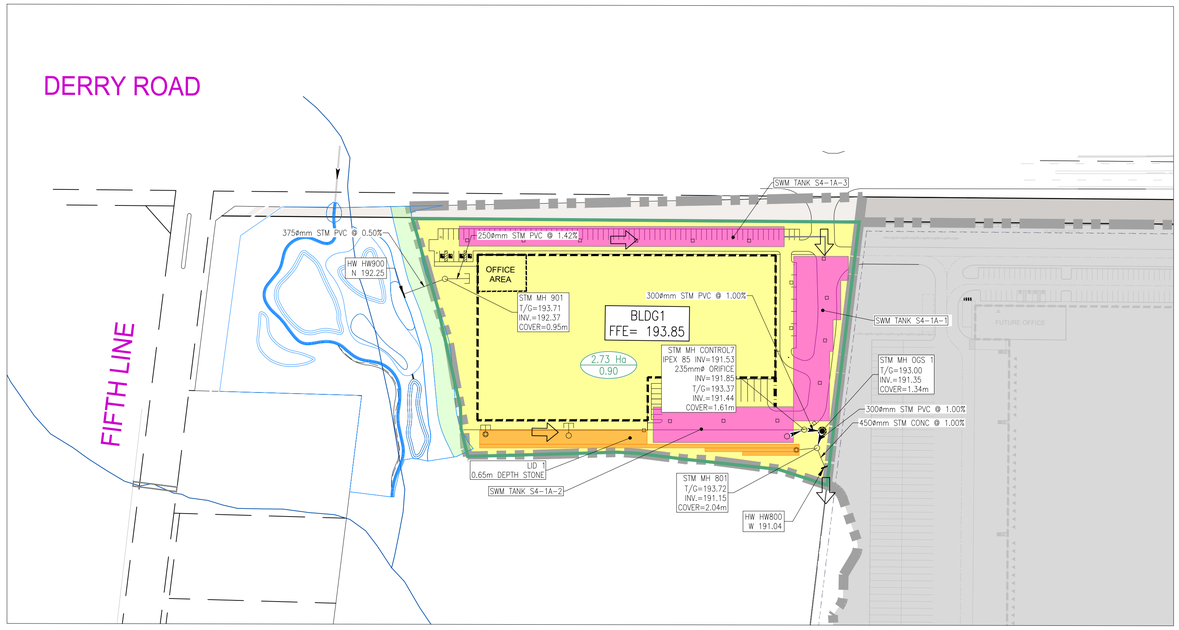
Milton, Ontario

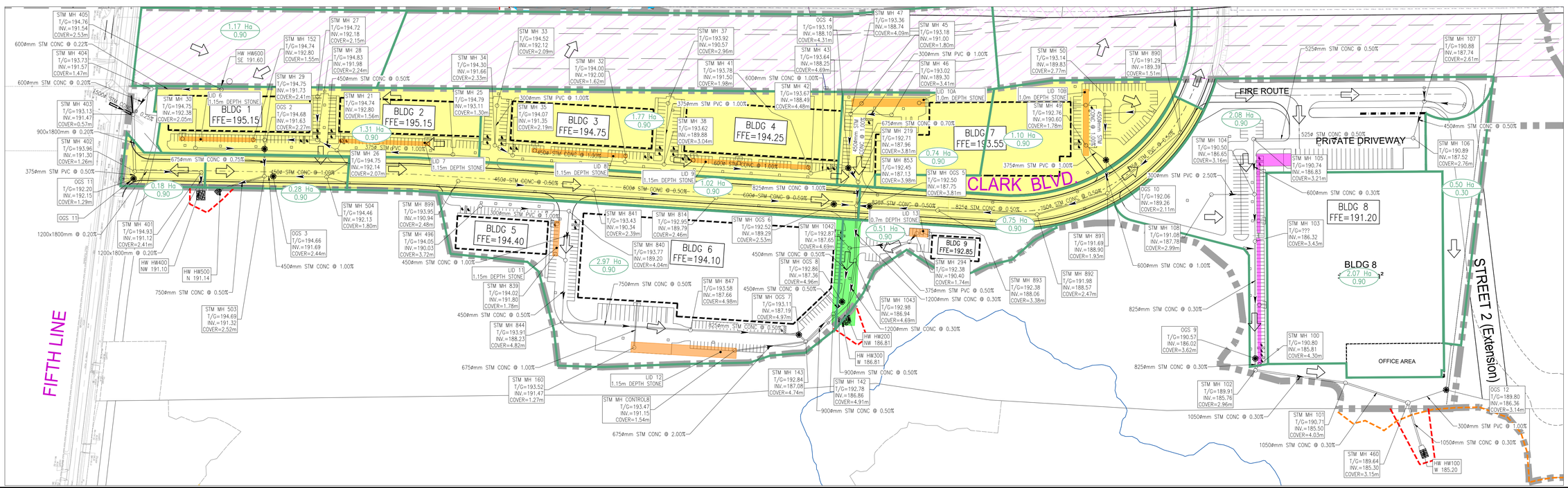
Title

SANITARY SERVICING PLAN

FUNCTIONAL SERVICING REPORT

Project No.	Scale	Dwg No.
1606 23071	1:1500	FIG 8.1R





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Legend

- LIMIT OF DEVELOPMENT
- EXISTING STORM MANHOLE
- STORM MANHOLE
- EXTENT OF DISTURBANCE INTO NHS
- PROPOSED OGS UNIT
- SINGLE/DOUBLE CATCHBASIN
- UNION GAS EASEMENT – ENVIRONMENTAL LINKAGE
- FUTURE PHASE
- STORM DRAINAGE BOUNDARY
- 0.86 ha / 0.75 — DRAINAGE AREA / RUNOFF COEFFICIENT
- OVERLAND FLOW ROUTE
- 100 YEAR CAPTURE BY STORM SEWER
- UNDERGROUND LINED STORMWATER TANK
- UNDERGROUND INFILTRATION TANK
- PUBLIC/PRIVATE STORM EASEMENT

Client/Project

DERRY GREEN LANDS
LIMITED PARTNERSHIP

DERRY GREEN CORPORATE
BUSINESS PARK

Milton, Ontario

Title

STORM SERVICING PLAN

FUNCTIONAL SERVICING REPORT

Project No.	Scale	Dwg No.
1606 23125	1:1500	FIG 9.1R

X:\01606\ACTIVE\606231 25\DRAWINGS\PSR\SHEET_FILES [PSR] FIG 9.1R STORM SERVICING PLAN.DWG

ORIGINAL SHEET - ARCH D