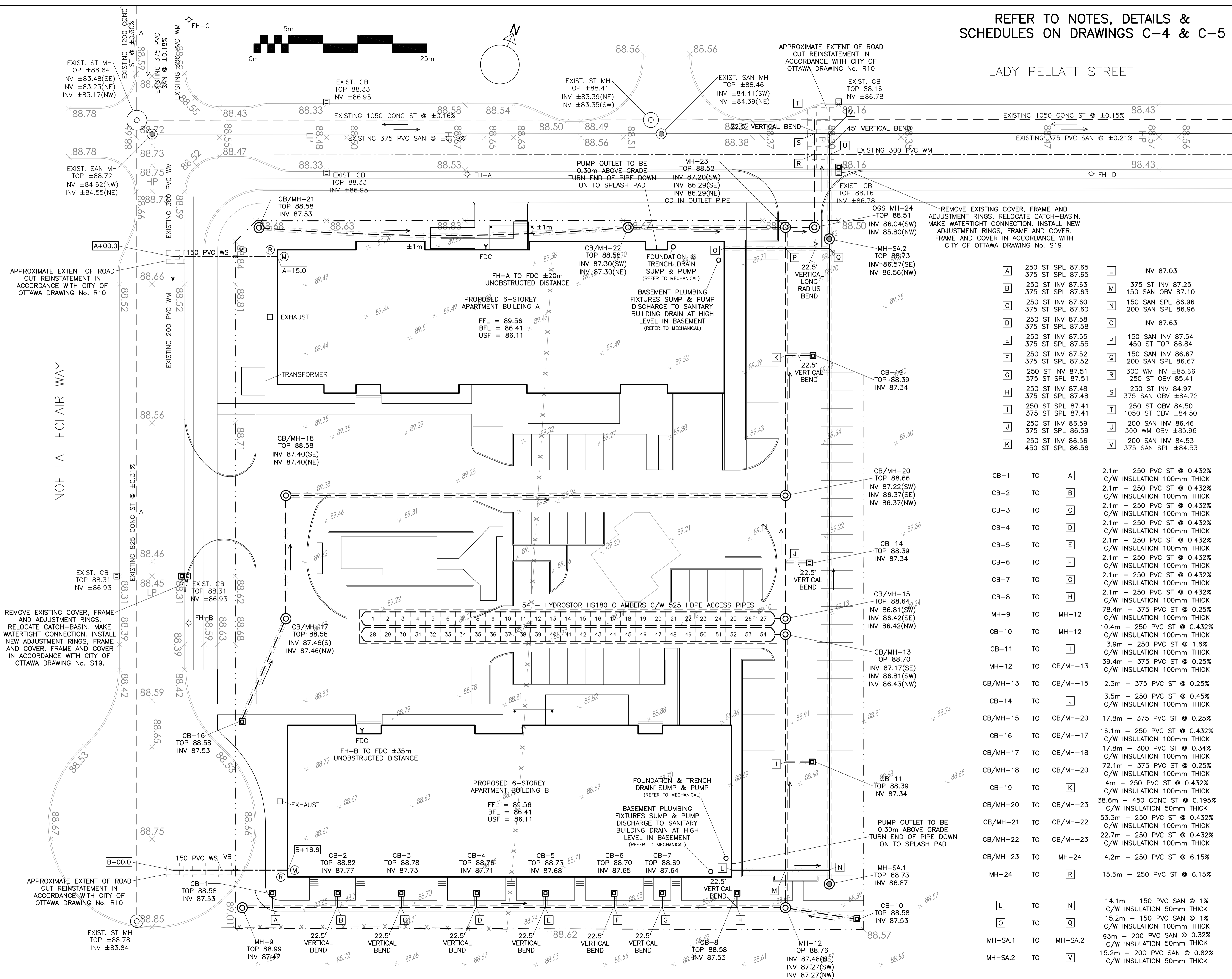


REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C-4 & C-5

LADY PELLATT STREET

LEGEND

- FFL FINISHED FLOOR ELEVATION
- BFL BASEMENT FLOOR ELEVATION
- USF UNDERSIDE OF FOOTING
- PROPERTY LINE
- CB CATCH-BASIN
- MH STORM MANHOLE
- CB/MH CATCH-BASIN/MANHOLE
- MH SANITARY MANHOLE
- FH FIRE HYDRANT
- FDC FIRE DEPARTMENT CONNECTION
- VB VALVE & VALVE BOX
- (M) WATER METER
- (R) REMOTE WATER METER
- SAN SANITARY SEWER
- ST STORM SEWER
- WS/WM WATER SERVICE/WATERMAIN
- OBV OBVERT OF PIPE
- SPL SPRINGLINE OF PIPE
- INV INVERT OF PIPE
- x EXISTING GRADE ELEVATION
- 150mm BARRIER CURB



A	250 ST SPL 87.65	L	INV 87.03
B	250 ST INV 87.63	M	375 ST INV 87.25
C	250 ST INV 87.60	N	150 SAN SPL 86.96
D	375 ST SPL 87.60	O	200 SAN SPL 86.96
E	250 ST INV 87.55	P	INV 87.63
F	375 ST SPL 87.55	Q	150 SAN INV 87.54
G	250 ST INV 87.52	R	450 ST TOP 86.84
H	375 ST SPL 87.52	S	150 SAN INV 86.67
I	250 ST INV 87.51	T	200 SAN SPL 86.67
J	375 ST SPL 87.51	U	300 WM INV ±85.66
K	250 ST INV 87.48	V	250 ST OBV 85.41
	375 ST SPL 87.48		375 SAN OBV ±84.72
	250 ST SPL 87.41		250 ST INV 84.97
	375 ST SPL 87.41		1050 ST OBV ±84.50
	250 ST INV 86.59		200 SAN INV 86.46
	375 ST SPL 86.59		300 WM OBV ±85.96
	250 ST INV 86.56		200 SAN INV 84.53
	450 ST SPL 86.56		375 SAN SPL ±84.53

CB-1	TO	A	2.1m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB-2	TO	B	2.1m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB-3	TO	C	2.1m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB-4	TO	D	2.1m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB-5	TO	E	2.1m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB-6	TO	F	2.1m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB-7	TO	G	2.1m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB-8	TO	H	2.1m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
MH-9	TO	MH-12	78.4m - 375 PVC ST @ 0.25% C/W INSULATION 100mm THICK
CB-10	TO	MH-12	10.4m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB-11	TO	I	3.9m - 250 PVC ST @ 1.6% C/W INSULATION 100mm THICK
MH-12	TO	CB/MH-13	39.4m - 375 PVC ST @ 0.25% C/W INSULATION 100mm THICK
CB/MH-13	TO	CB/MH-15	2.3m - 375 PVC ST @ 0.25%
CB-14	TO	J	3.5m - 250 PVC ST @ 0.45% C/W INSULATION 100mm THICK
CB/MH-15	TO	CB/MH-20	17.8m - 375 PVC ST @ 0.25%
CB-16	TO	CB/MH-17	16.1m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB/MH-17	TO	CB/MH-18	17.8m - 300 PVC ST @ 0.34% C/W INSULATION 100mm THICK
CB/MH-18	TO	CB/MH-20	72.1m - 375 PVC ST @ 0.25% C/W INSULATION 100mm THICK
CB-19	TO	K	4m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB/MH-20	TO	CB/MH-23	38.6m - 450 CONC ST @ 0.195% C/W INSULATION 50mm THICK
CB/MH-21	TO	CB/MH-22	53.3m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB/MH-22	TO	CB/MH-23	22.7m - 250 PVC ST @ 0.432% C/W INSULATION 100mm THICK
CB/MH-23	TO	MH-24	4.2m - 250 PVC ST @ 6.15%
MH-24	TO	R	15.5m - 250 PVC ST @ 6.15%

L	TO	N	14.1m - 150 PVC SAN @ 1% C/W INSULATION 50mm THICK
O	TO	Q	15.2m - 150 PVC SAN @ 1% C/W INSULATION 100mm THICK
MH-SA-1	TO	MH-SA-2	93m - 200 PVC SAN @ 0.32% C/W INSULATION 50mm THICK
MH-SA-2	TO	V	15.2m - 200 PVC SAN @ 0.82% C/W INSULATION 50mm THICK

No.	DATE	REVISION
2	JUN 28-23	ISSUED FOR APPROVAL
1	JUN 26-23	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.
Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermain
 700 Long Point Circle 613-425-8044
 Ottawa, Ontario d.gray@dbgrayengineering.com

Project
PROPOSED 6-STORY APARTMENT BUILDINGS
 1001 NOELLA LECLAIR WAY
 OTTAWA, ONTARIO

Drawing Title
SITE SERVICING PLAN

Engineer's Seal

 NOT VALID UNLESS SIGNED & DATED

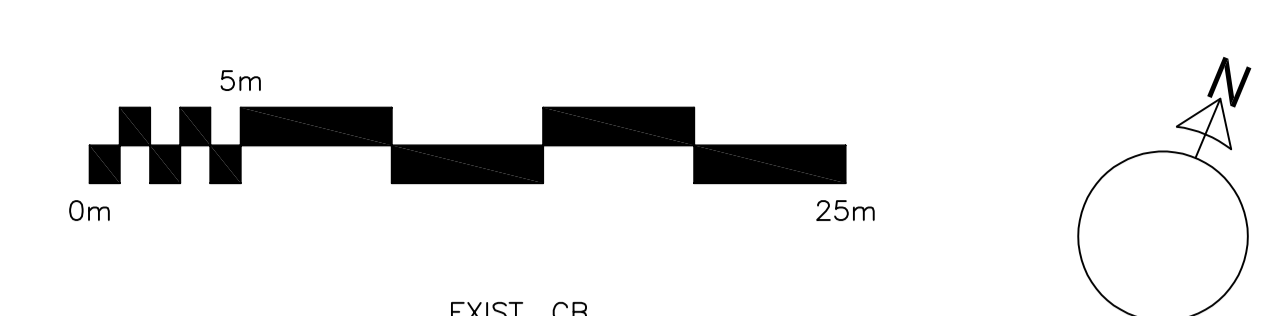
Drawn D.B.G.
 H. Scale 1:250
 V. Scale
 Date JUN 12-23
 Job No. 22068

Drawing No.
C-1
 of 6

REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C-4 & C-5

LADY PELLATT STREET

NOELLA LECLAIR WAY



LEGEND	
FFL	FINISHED FLOOR ELEVATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
- - - -	PROPERTY LINE
CB	CATCH-BASIN
MH	STORM MANHOLE
CB/MH	CATCH-BASIN/MANHOLE
MH	SANITARY MANHOLE
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
---	EXISTING GRADE ELEVATION
+99.99	PROPOSED GRADE ELEVATION
2%	PROPOSED SLOPE OF GRADE
→	EMERGENCY OVERLAND FLOW
- - - -	CENTERLINE OF SWALE
---	150mm BARRIER CURB
D.C.	DEPRESSED CURB
///	LIGHT-DUTY PAVEMENT
	HEAVY-DUTY PAVEMENT
▒	CONCRETE
...	LANDSCAPE

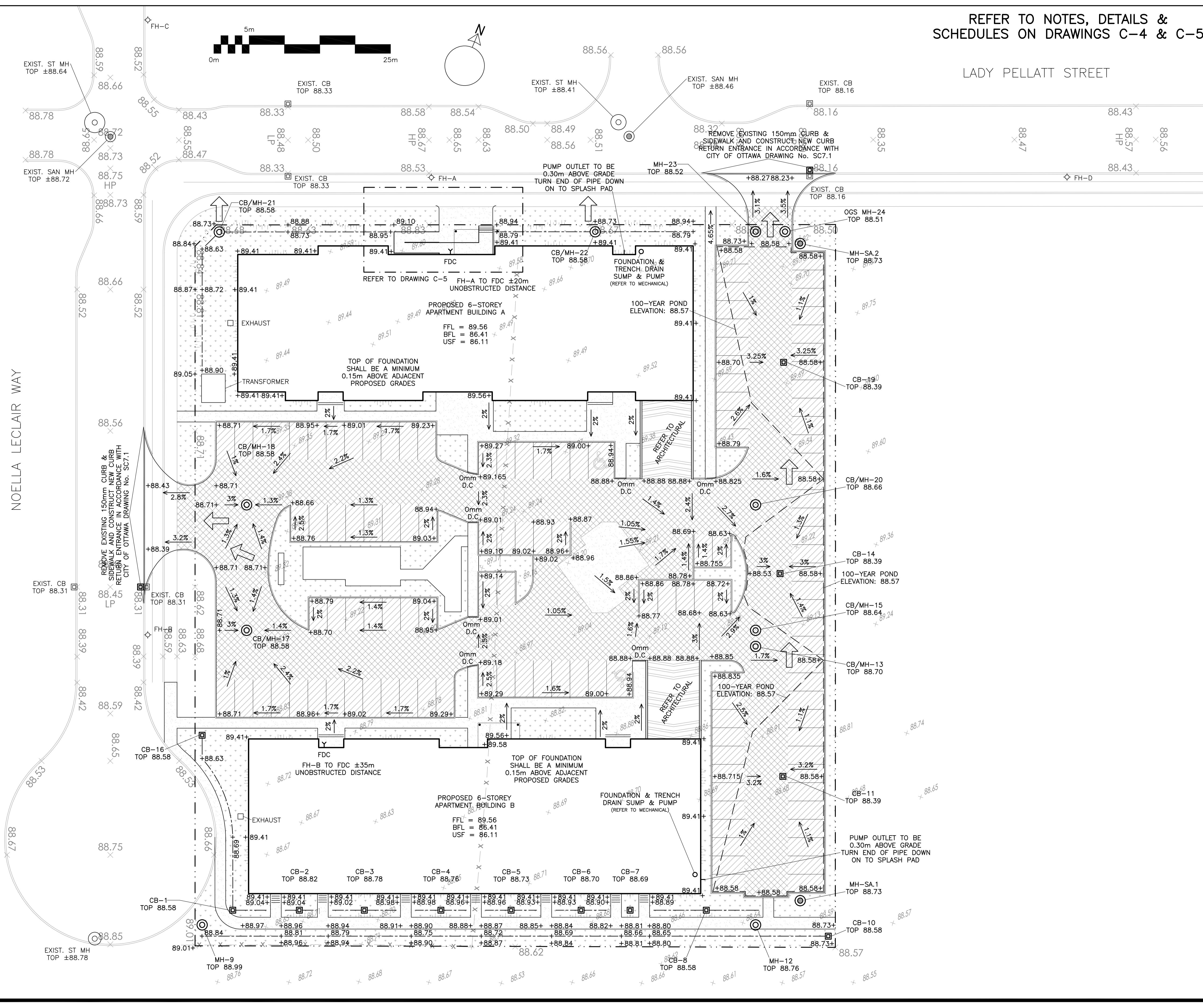
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Project
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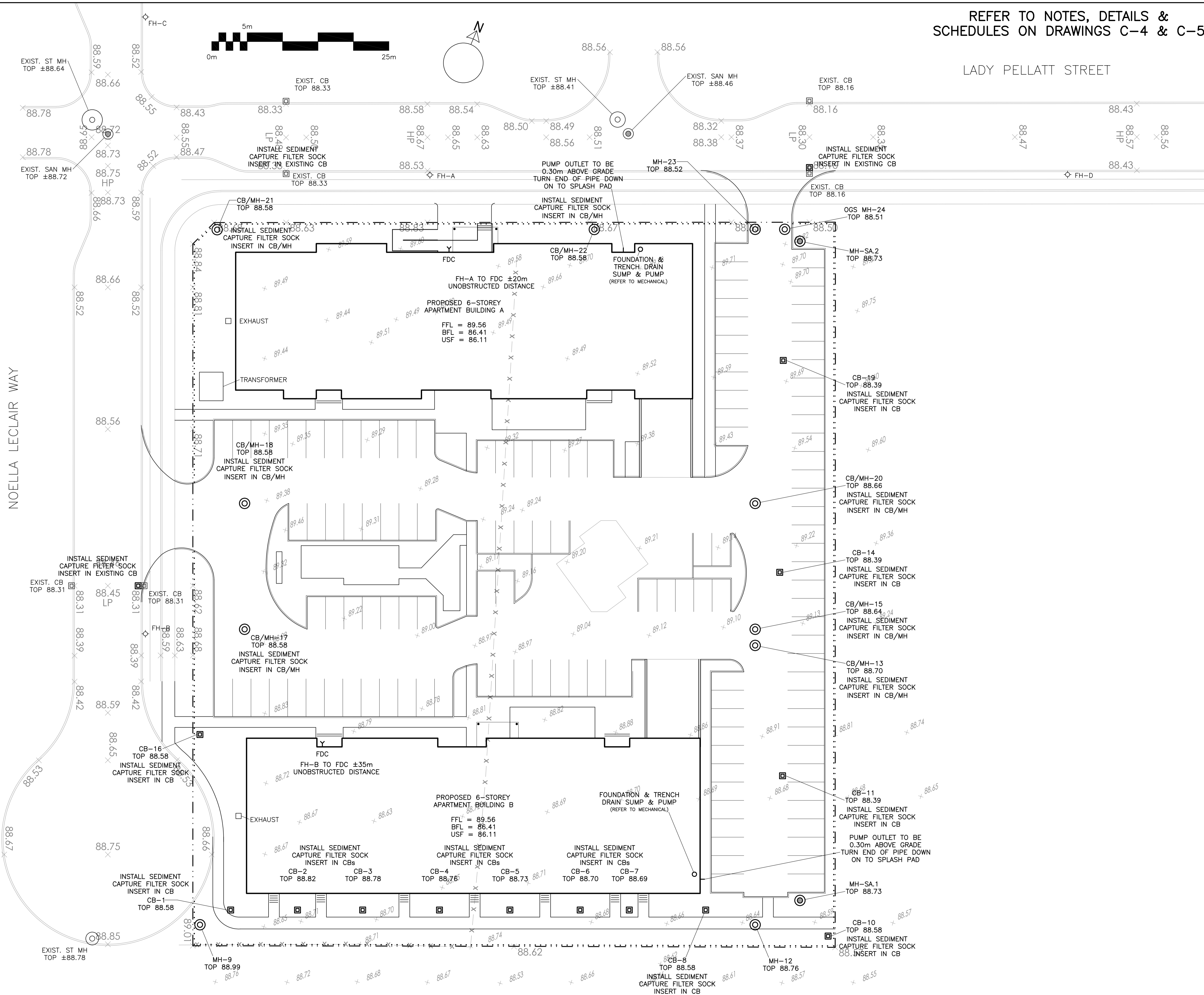
Drawing Title
GRADING PLAN

	Engineer's Seal
	H. Scale 1:250 V. Scale Date JUN 12-23 Job No. 22068
	Drawing No. C-2 of 6



REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C-4 & C-5

LADY PELLATT STREET



LEGEND

- FFL FINISHED FLOOR ELEVATION
- BFL BASEMENT FLOOR ELEVATION
- USF UNDERSIDE OF FOOTING
- PROPERTY LINE
- CB [Symbol] CATCH-BASIN
- MH [Symbol] STORM MANHOLE
- CB/MH [Symbol] CATCH-BASIN/MANHOLE
- MH [Symbol] SANITARY MANHOLE
- FH [Symbol] FIRE HYDRANT
- FDC [Symbol] FIRE DEPARTMENT CONNECTION
- EXISTING GRADE ELEVATION
- 150mm BARRIER CURB
- SILT FENCE BARRIER

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Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermain
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 Ottawa, Ontario d.gray@dbgrayengineering.com

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PROPOSED 6-STORY APARTMENT BUILDINGS
 1001 NOELLA LECLAIR WAY
 OTTAWA, ONTARIO

EROSION & SEDIMENT CONTROL PLAN

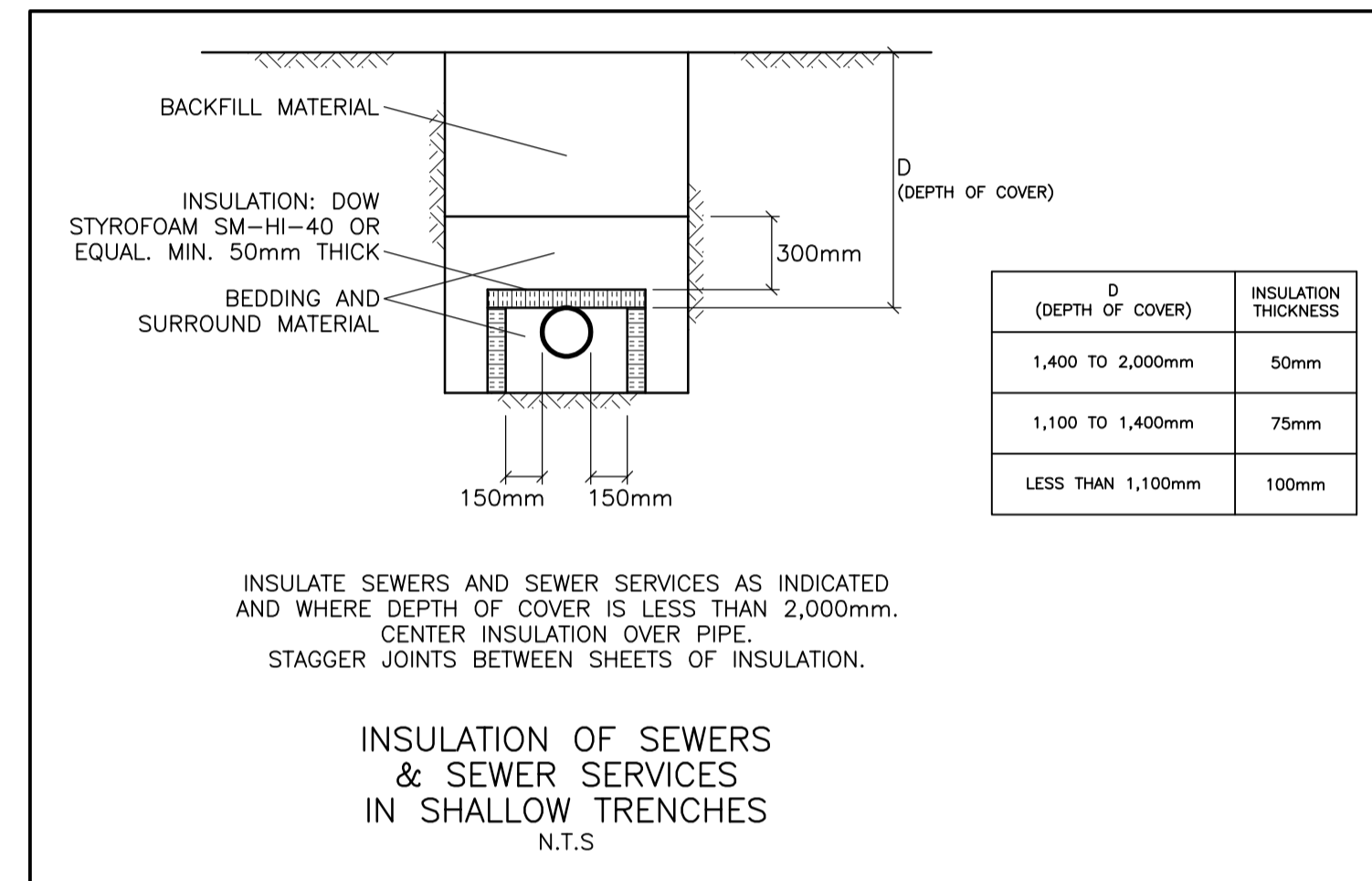
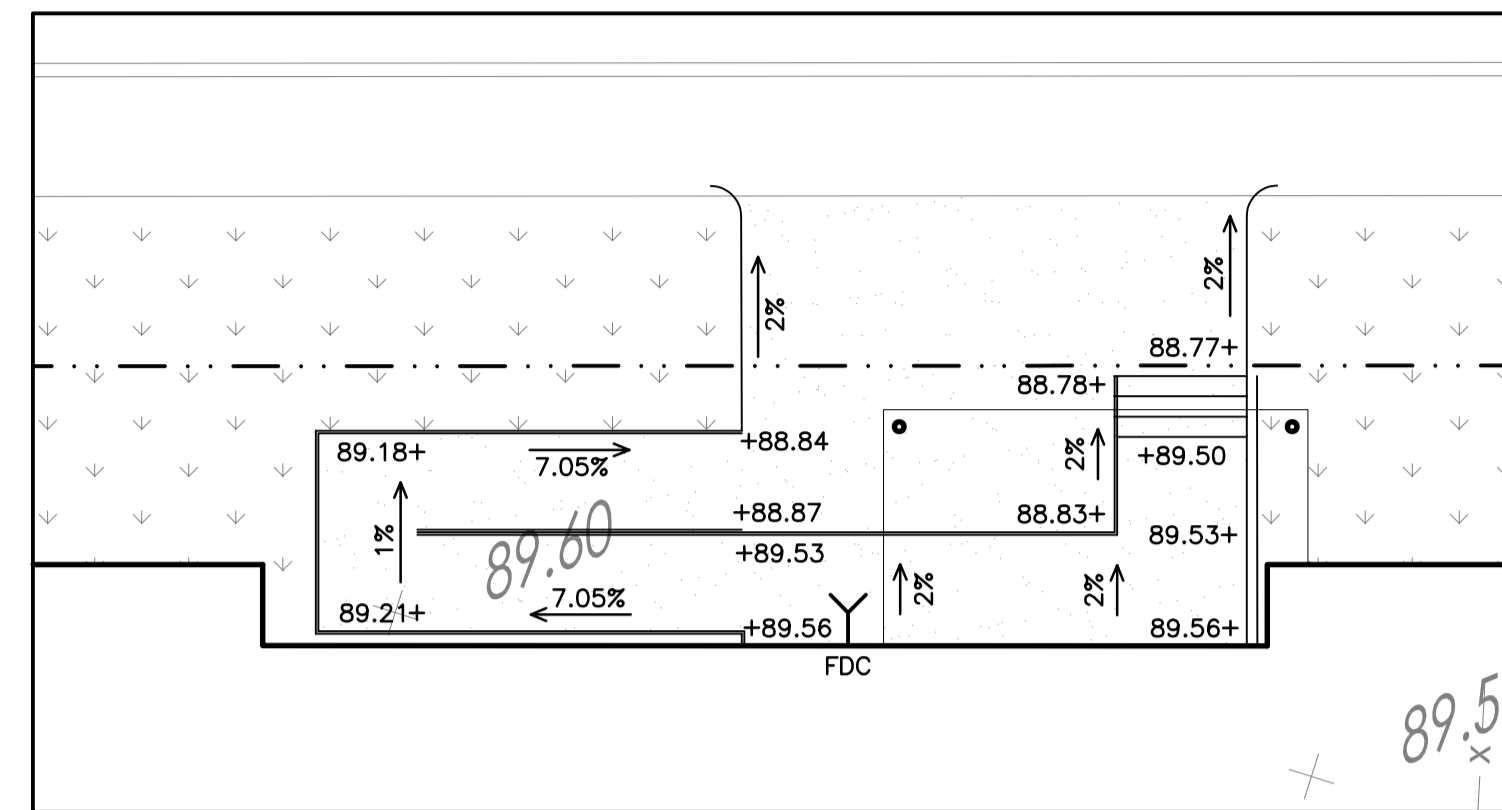
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Drawn	D.B.G.
H. Scale	1:250
V. Scale	
Date	JUN 12-23
Job No.	22068

Drawing No.
C-3
 of 6

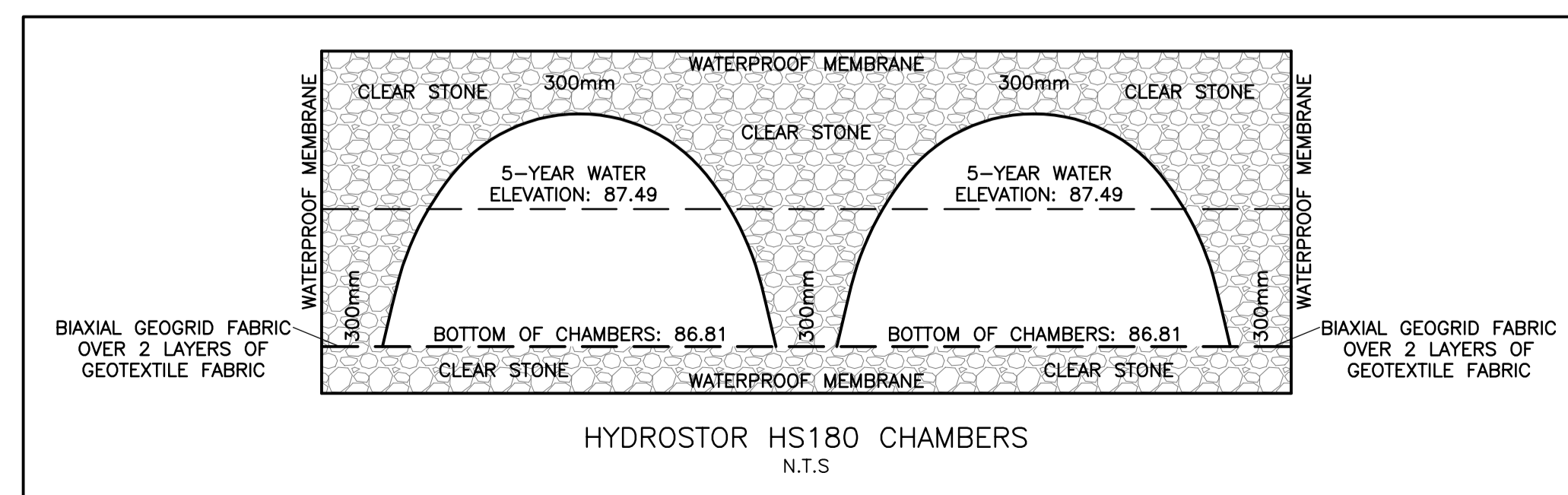
CATCH-BASIN & MANHOLE SCHEDULE

REF	TOP	SIZE	TYPE	INVERT AT INLET	INVERT AT OUTLET	NOTES
STORM SEWER						
CB-1	88.58	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.53	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB-2	88.82	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.77	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB-3	88.78	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.73	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB-4	88.76	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.71	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB-5	88.73	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.68	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB-6	88.70	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.65	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB-7	88.69	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.64	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB-8	88.58	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.53	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
MH-9	88.99	1200mm	PRECAST CONCRETE MANHOLE	-	87.47	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S24.1
CB-10	88.58	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.53	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB-11	88.39	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.34	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
MH-12	88.76	1200mm	PRECAST CONCRETE MANHOLE	87.48(NE) 87.27(SW)	87.27(NW)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S24.1
CB/MH-13	88.70	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	87.17(SE) 86.81(SW)	86.43(NW)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CB-14	88.39	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.34	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB/MH-15	88.64	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	86.81(SW) 86.42(SE)	86.42(NW)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CB-16	88.58	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.53	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB/MH-17	88.58	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	87.46(S)	87.46(NW)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CB/MH-18	88.58	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	87.40(SE)	87.40(NE)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CB-19	88.39	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	87.34	IN ACCORDANCE WITH OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19
CB/MH-20	88.66	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	87.22(SW) 86.37(SE)	86.37(NW)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CB/MH-21	88.58	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	-	87.53	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
CB/MH-22	88.58	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	87.30(SW)	87.30(NE)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S28.1
MH-23	88.52	1200mm	PRECAST CONCRETE MANHOLE	87.20(SW) 86.29(SE)	86.29(NE)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S24.1 ICD IN OUTLET PIPE
MH-24	88.51	CDS PMSU2015-4	PRECAST CONCRETE MANHOLE	86.04(SW)	85.80(NW)	-
SANITARY SEWER						
MH-SA.1	88.73	1200mm	PRECAST CONCRETE MANHOLE	-	86.87	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S24
MH-SA.2	88.73	1200mm	PRECAST CONCRETE MANHOLE	86.57(SE)	86.56(NW)	IN ACCORDANCE WITH OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S25 & S24



WATER SERVICE PROFILE TABLE

150mm PVC PRESSURE CLASS 235 DR18					
STATION	DESCRIPTION	GRADE ELEVATION	TOP OF PIPE	DEPTH OF COVER	NOTES
A+00.0	300mm x 150mm TEE IN 300mm MUNICIPAL WATERMAIN	±88.71	±86.21	±2.50	CONNECTION BY CITY. EXCAVATION, BACKFILL & REINSTATEMENT BY CONTRACTOR.
A+09.0	150mm VALVE BOX	88.85	86.21	2.64	ON PROPERTY LINE
A+15.0	-	89.41	86.21	3.20	ENTRY TO BUILDING
B+00.0	200mm x 150mm TEE IN 200mm MUNICIPAL WATERMAIN	±88.83	±86.29	±2.54	CONNECTION BY CITY. EXCAVATION, BACKFILL & REINSTATEMENT BY CONTRACTOR.
B+09.0	150mm VALVE BOX	88.69	86.29	2.40	ON PROPERTY LINE
B+16.6	-	89.41	86.29	3.12	ENTRY TO BUILDING



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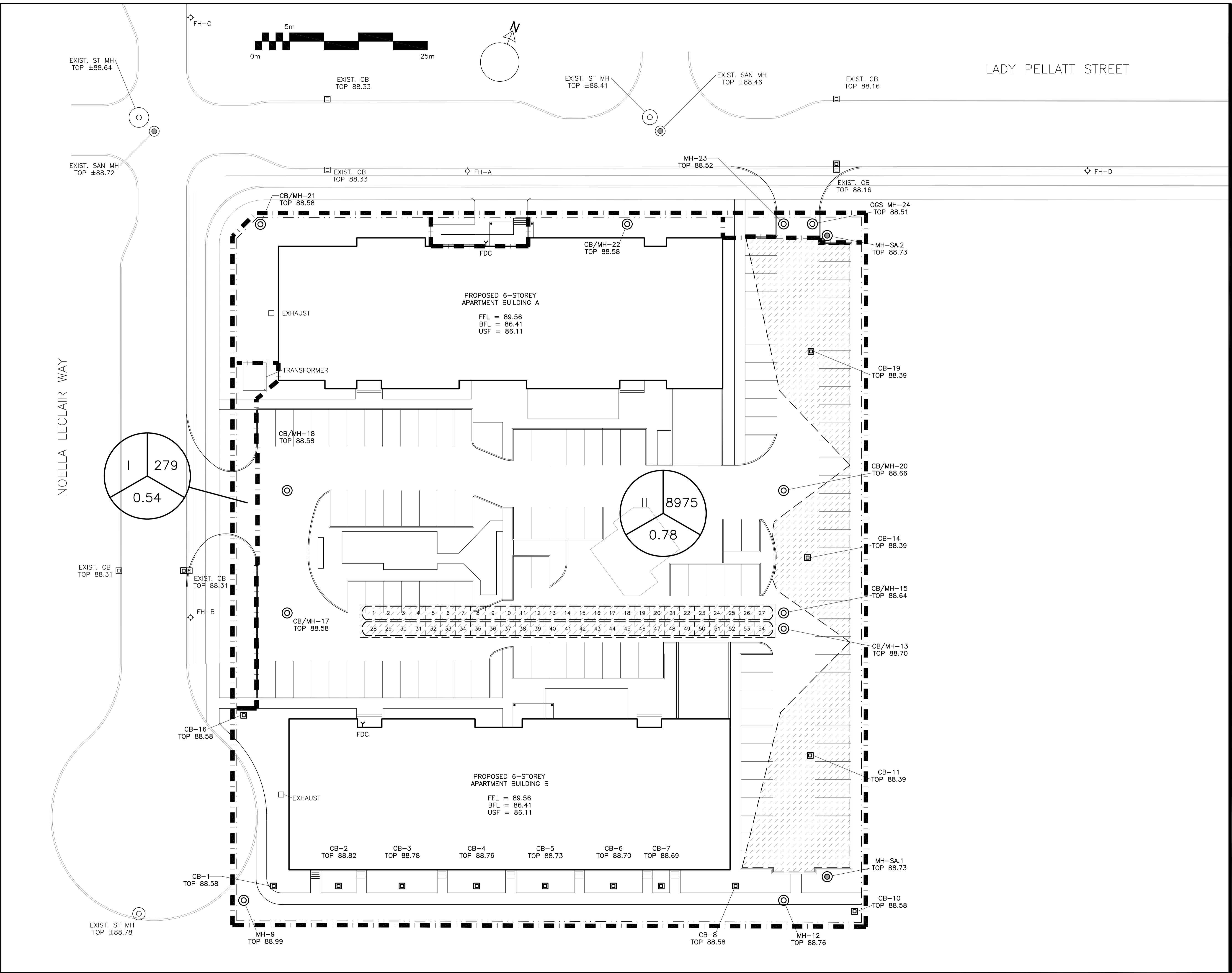
D. B. GRAY ENGINEERING INC.
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Project
PROPOSED 6-STORY APARTMENT BUILDINGS
 1001 NOELLA LECLAIR WAY
 OTTAWA, ONTARIO

DETAILS & SCHEDULES

Engineer's Seal

 Drawn D.B.G.
 H. Scale
 V. Scale
 Date JUN 12-23
 Job No. 22068
 Drawing No. **C-5** of 6
 NOT VALID UNLESS SIGNED & DATED



LEGEND

DRAINAGE AREA

AREA (sq.m)

x xxx
0.xx

5-YEAR RUNOFF COEFFICIENT

No.	DATE	REVISION
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Project
PROPOSED 6-STORY APARTMENT BUILDINGS
 1001 NOELLA LECLAIR WAY
 OTTAWA, ONTARIO

Drawing Title
DRAINAGE PLAN

Engineer's Seal

 NOT VALID UNLESS SIGNED & DATED

Drawn D.B.G.
 H. Scale 1:250
 V. Scale
 Date JUN 12-23
 Job No. 22068

Drawing No.
C-6
 of 6