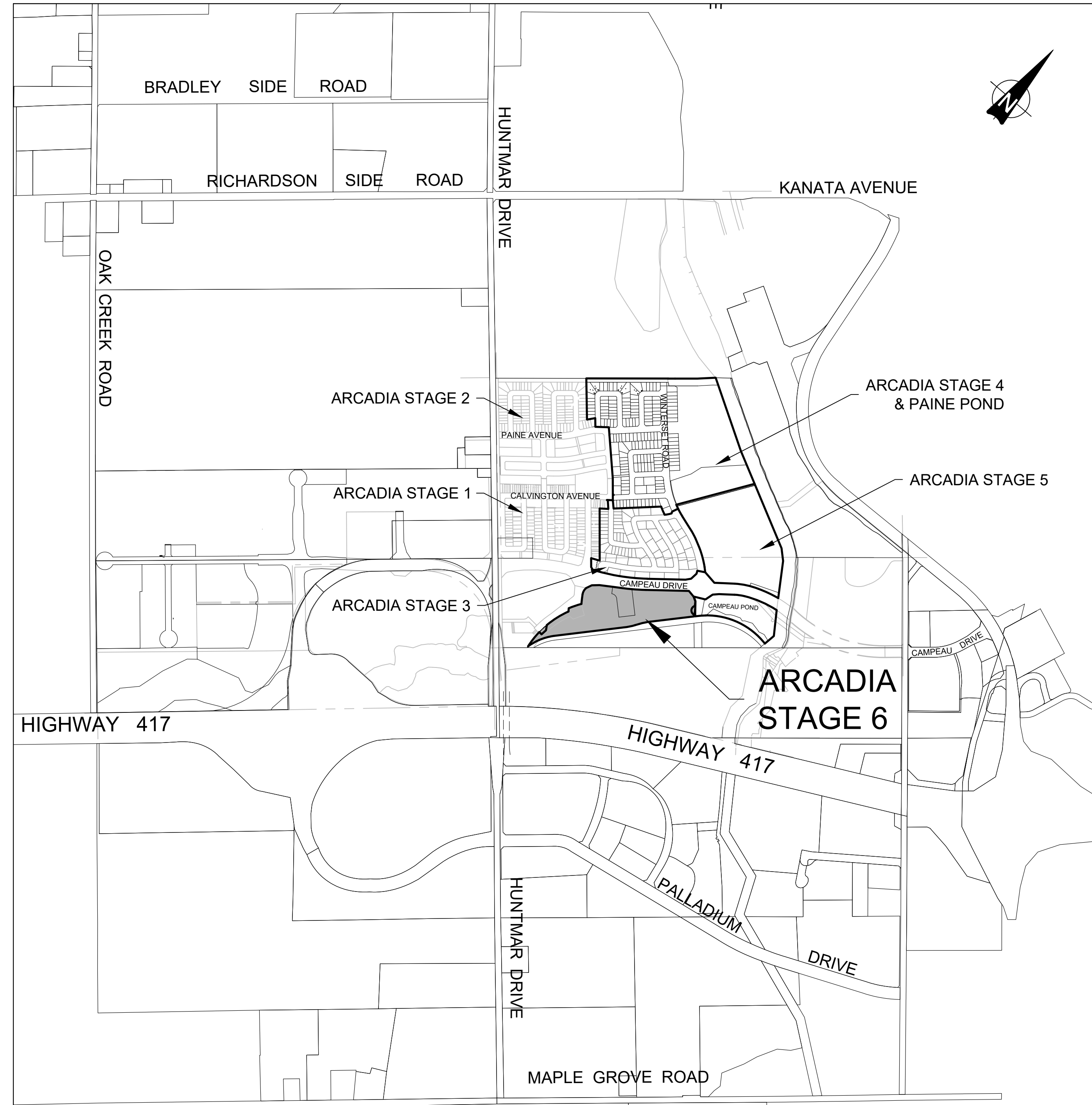


MINTO COMMUNITIES INC.  
 200-180 KENT STREET  
 OTTAWA, ON  
 K1P 0B6



**J.L. Richards  
 & Associates Limited**  
 343 Preston Street Tower II,  
 Suite 1000 Ottawa, ON Canada  
 K1Z 5M2  
 Tel: 613 728 3571  
 Fax: 613 728 6012



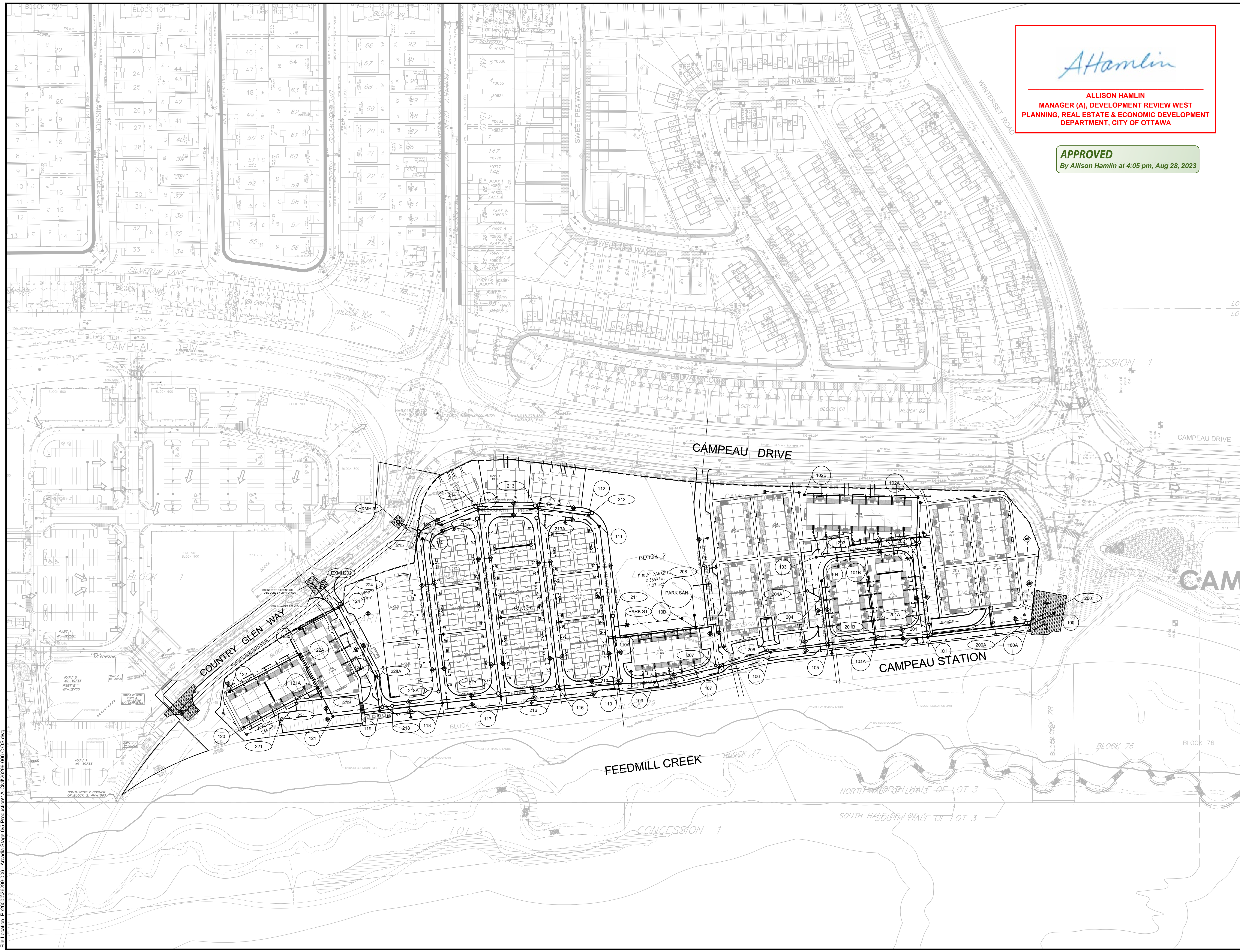
ARCADIA STAGE 6 DRAWING LIST	
Sheet Number	Sheet Title
CS	COVER SHEET
LEGEND	LEGEND SHEET
OS	OVERALL SITE SERVICING PLAN
S1	SITE SERVICING PLAN
S2	SITE SERVICING PLAN
01	FEEDMILL PRIVATE
02	FEEDMILL PRIVATE
03	CLEARPATH PRIVATE
04	SILVERBERRY PRIVATE
05	WOODILY PRIVATE
06	ARCADIAN PRIVATE
07	CREEKWAY PRIVATE
08	EXISTING DONUM LANE
G1	GRADING PLAN
G2	GRADING PLAN
SWM1	PONDING PLAN
SWM2	PONDING PLAN
DST	STORM DRAINAGE PLAN
DSAN	SANITARY DRAINAGE PLAN
ESC	EROSION AND SEDIMENT CONTROL PLAN
D1	DETAILS PLAN
D2	DETAILS PLAN

# ARCADIA STAGE 6

450 HUNTMAR DRIVE

ISSUED FOR REVIEW  
 JUNE 30, 2023  
 JLR JOB# 26299-006

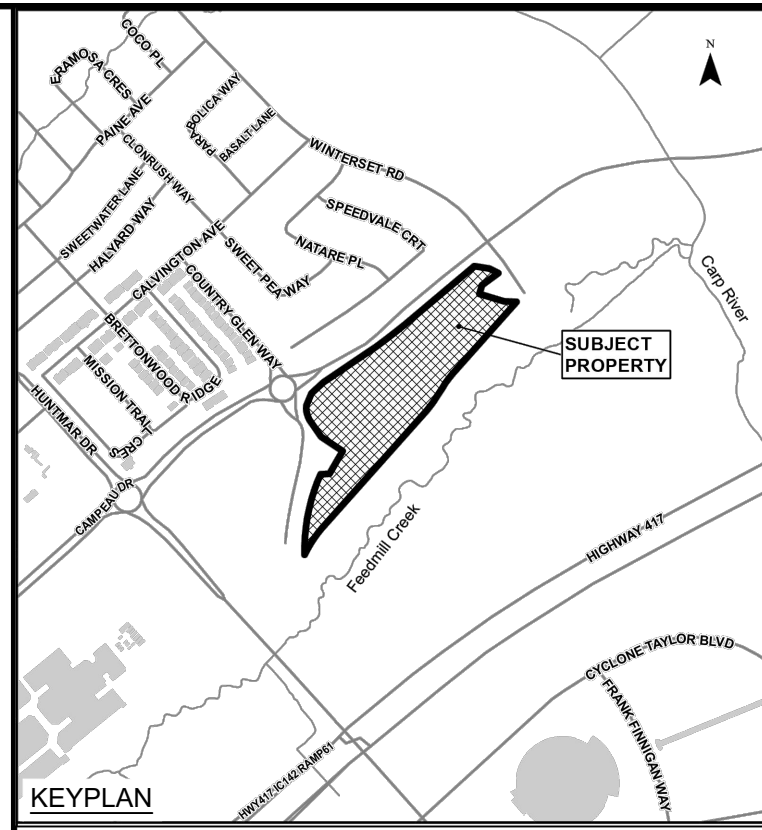




*All Hamlin*

**ALLISON HAMLIN**  
 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
 By Allison Hamlin at 4:05 pm, Aug 28, 2023



	EXISTING SANITARY SEWER & MANHOLE
	EXISTING STORM SEWER & MANHOLE
	PROPOSED SANITARY SEWER & MANHOLE
	PROPOSED STORM SEWER & MANHOLE
	FUTURE SANITARY SEWER & MANHOLE
	ROAD REINSTATEMENT AREA

07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23
No.	ISSUE / REVISION	DDMMYY

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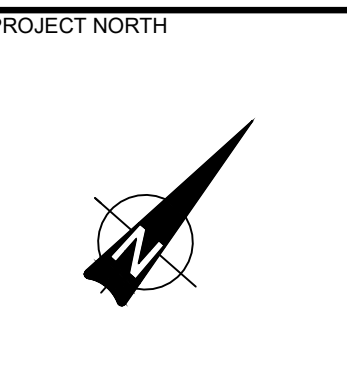
VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1:1000

CLIENT:  
**minto Communities**

CONSULTANT:  
**J.L. Richards**  
 ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP



PROJECT:  
**ARCADIA STAGE 6**  
 450 HUNTMAR DRIVE

DRAWING:  
**OVERALL SITE SERVICING PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>OS</b>
CHECKED: LD	
JLR #: 26299-006	

File Location: P:\2000\026299-006 - Arcadia Stage 6\5-Production\A-Civil\26299-006 C OS.dwg

LOT DATE: August 9, 2023 11:40:07 AM  
 CITY FILE No. D07-12-22-0111  
 CITY PLAN No. 18829

*A Hamlin*  
**ALLISON HAMLIN**  
 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
 By Allison Hamlin at 4:05 pm, Aug 28, 2023

WATERMAIN TABLE - STA. 1+073.73  
 TO BLDG MT-08 & MT-11  
 PVC DR-18 CL-50

SIZE	DETAIL	FINISHED GRADE	TOP OF WM
1	50 x 50 TEE	97.82	95.42
2	50 x 50 TEE	97.82	95.42

NOTE: ALL WM CONSTRUCTED AT LESS THAN 2.4m BELOW FINISHED GRADE SHALL BE INSULATED IN ACCORDANCE WITH THE CITY OF OTTAWA'S REQUIREMENTS AS SET OUT IN THE CITY OF OTTAWA SPECIFICATION (F-4415).

EXISTING CB TO BE RELOCATED PLACE AS CURB INLET TYPE

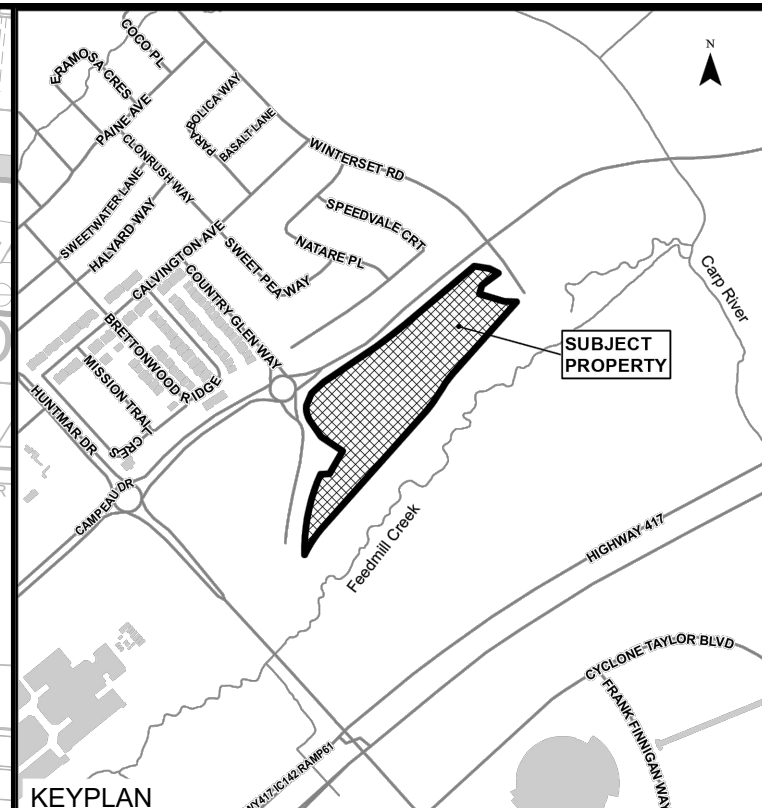
CBMH114  
 TIG 97.40  
 INV(S)-95.13  
 HGL-95.35

CBMH115  
 TIG 97.30  
 INV(NW)-95.07  
 INV(E)-95.07  
 HGL-95.31

CBMH116  
 TIG 97.25  
 INV(NE)-95.00  
 INV(W)-95.00  
 HGL-95.26

AMENITY  
 244 m<sup>2</sup>

AMENITY  
 309 m<sup>2</sup>



LEGEND:

- EXISTING SANITARY SEWER & MANHOLE
- EXISTING STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED STORM SEWER & MANHOLE
- FUTURE SANITARY SEWER & MANHOLE
- ROAD RESTATEMENT AREA
- PROPOSED WEAVING TILE

\*WEAVING TILES FOR METRO BLOCKS WITH UNDERGROUND GARAGE ARE DISCHARGING INTO INTERNAL SWAMP/PUMP SYSTEMS WITHIN THE BLOCKS PRIOR TO DISCHARGING TO STORM LATERALS.

No.	ISSUE / REVISION	DATE
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23

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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1:500



PROJECT: **ARCADIA STAGE 6**  
 450 HUNTMAR DRIVE

DRAWING: **SITE SERVICING PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>S1</b>
CHECKED: LD	
JLR #: 26299-006	

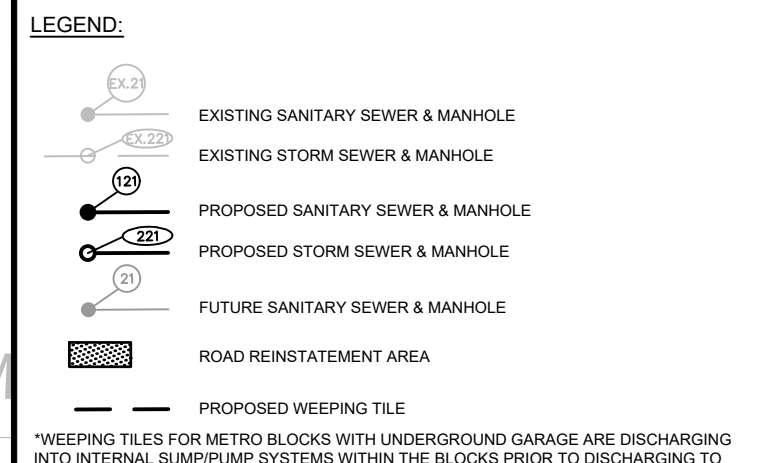
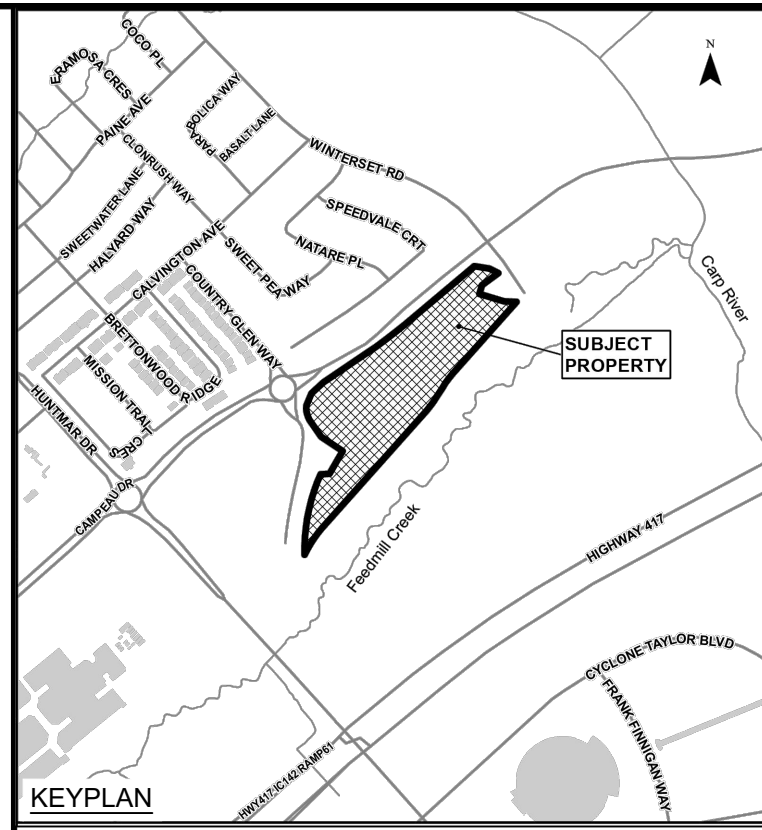
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PLOT DATE: August 9, 2023 11:15:12 AM  
 CITY FILE No. D07-12-22-0111

At Hamlin

ALLISON HAMLIN  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
DEPARTMENT, CITY OF OTTAWA

APPROVED  
By Allison Hamlin at 4:06 pm, Aug 28, 2023

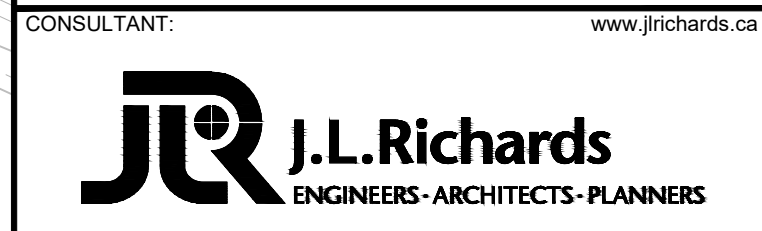


EXISTING SANITARY SEWER & MANHOLE  
EXISTING STORM SEWER & MANHOLE  
PROPOSED SANITARY SEWER & MANHOLE  
PROPOSED STORM SEWER & MANHOLE  
FUTURE SANITARY SEWER & MANHOLE  
ROAD REINSTATEMENT AREA  
PROPOSED WEAVING TILE

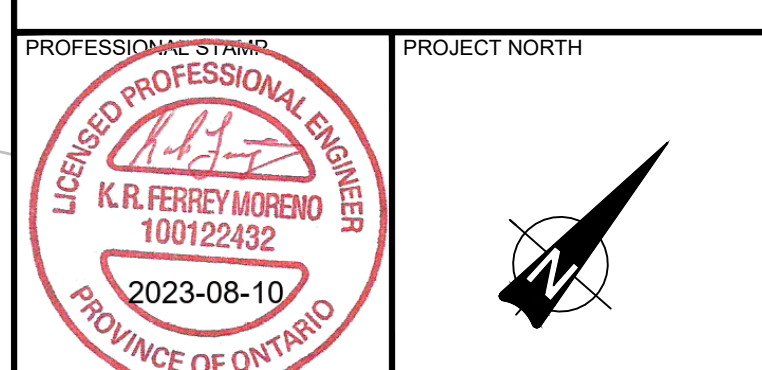
REVISION HISTORY

No.	ISSUE / REVISION	DDMMYY
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23

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SCALE: 1:500



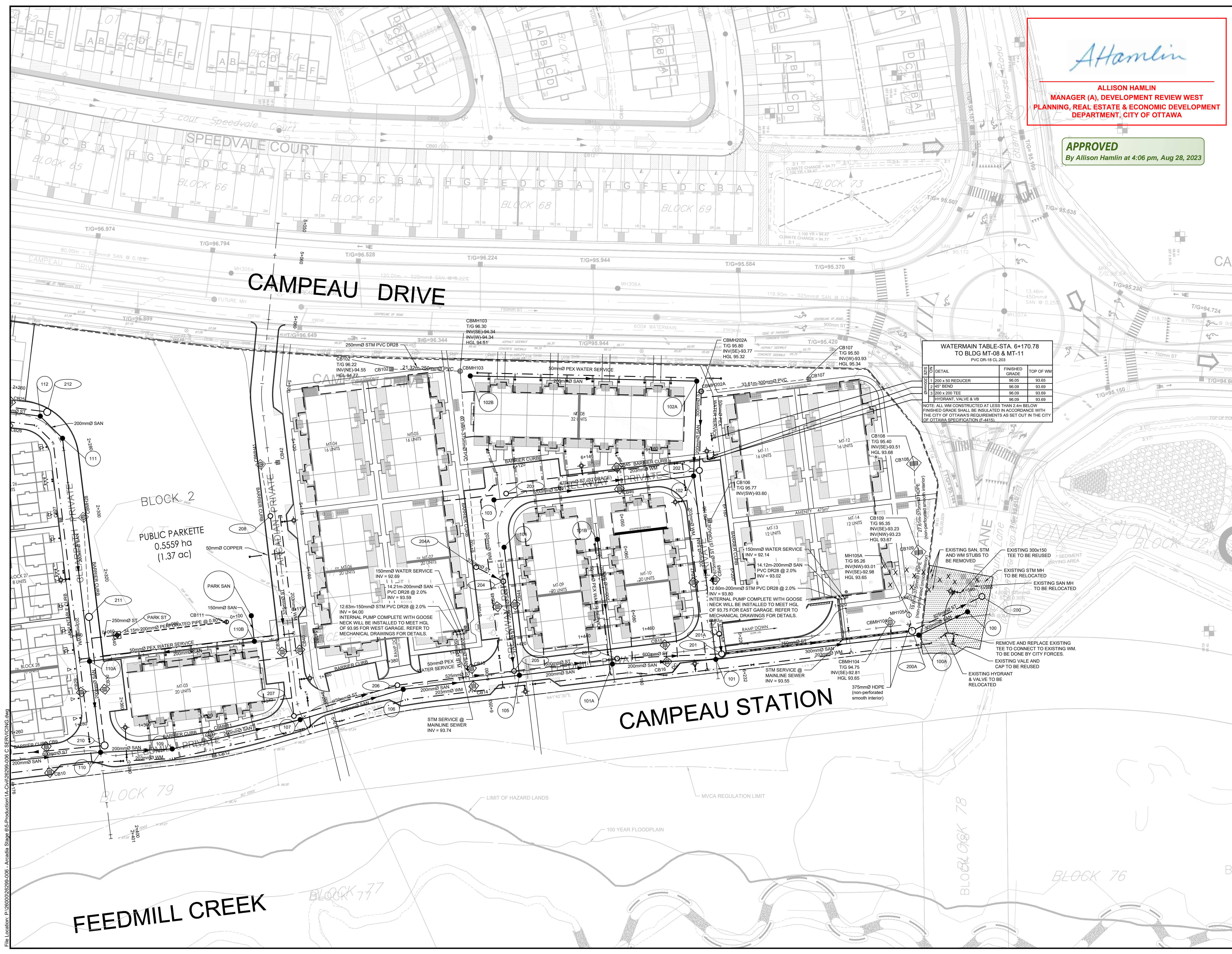
CONSULTANT:



PROJECT: ARCADIA STAGE 6  
450 HUNTMAR DRIVE

DRAWING: SITE SERVICING PLAN

DESIGN: MM  
DRAWN: KC  
CHECKED: LD  
JLR #: 26299-006  
DRAWING #: S2  
CITY PLAN No. 18829



WATERMAIN TABLE STA. 6+170.78 TO BLDG MT-08 & MT-11  
PVC DR-18 CL 203

NO.	DETAIL	FINISHED GRADE	TOP OF WM
1	200 x 50 REDUCER	96.05	93.65
2	45° BEND	96.09	93.69
3	200 x 200 TEE	96.09	93.69
	HYDRANT, VALVE & VB	96.09	93.69

NOTE: ALL WM CONSTRUCTED AT LESS THAN 2.4m BELOW FINISHED GRADE SHALL BE INSULATED IN ACCORDANCE WITH THE CITY OF OTTAWA'S REQUIREMENTS AS SET OUT IN THE CITY OF OTTAWA SPECIFICATION (F-4415).

CAMPEAU STATION

PUBLIC PARKETTE  
0.5559 ha  
(1.37 ac)

FEEDMILL CREEK

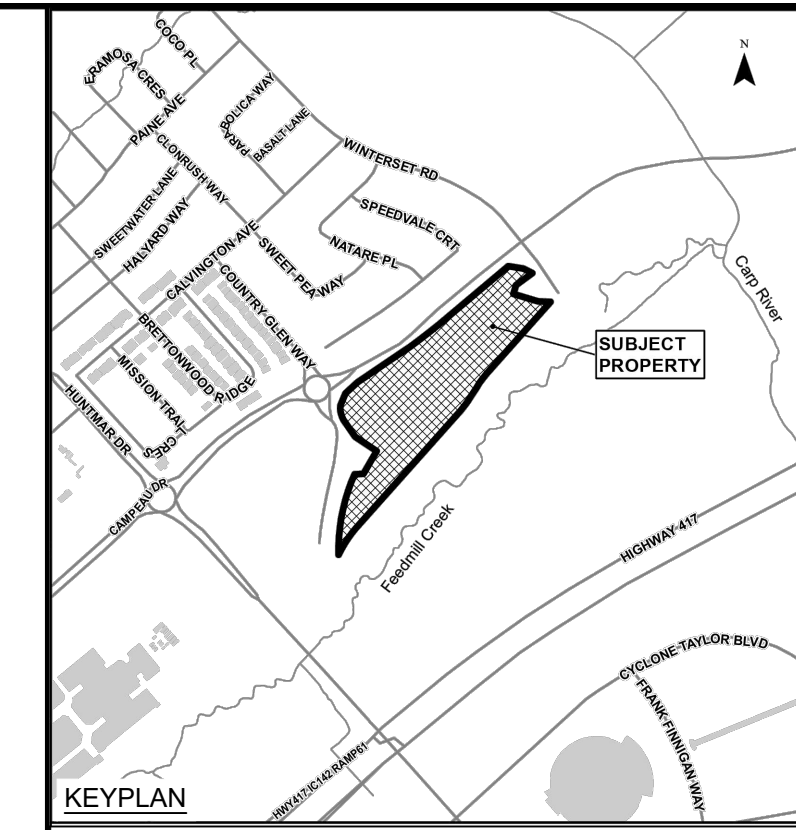
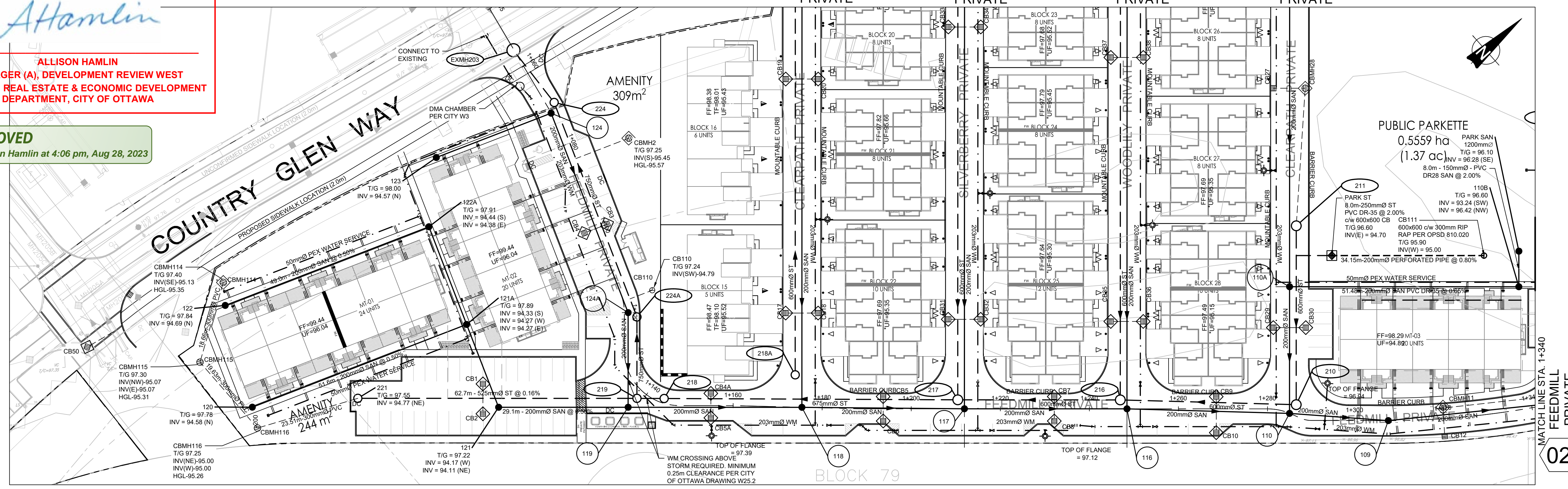
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LOT DATE: August 9, 2023 11:15:42 AM  
CITY FILE No. D07-12-22-0111

AtHamlin

ALLISON HAMLIN  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
DEPARTMENT, CITY OF OTTAWA

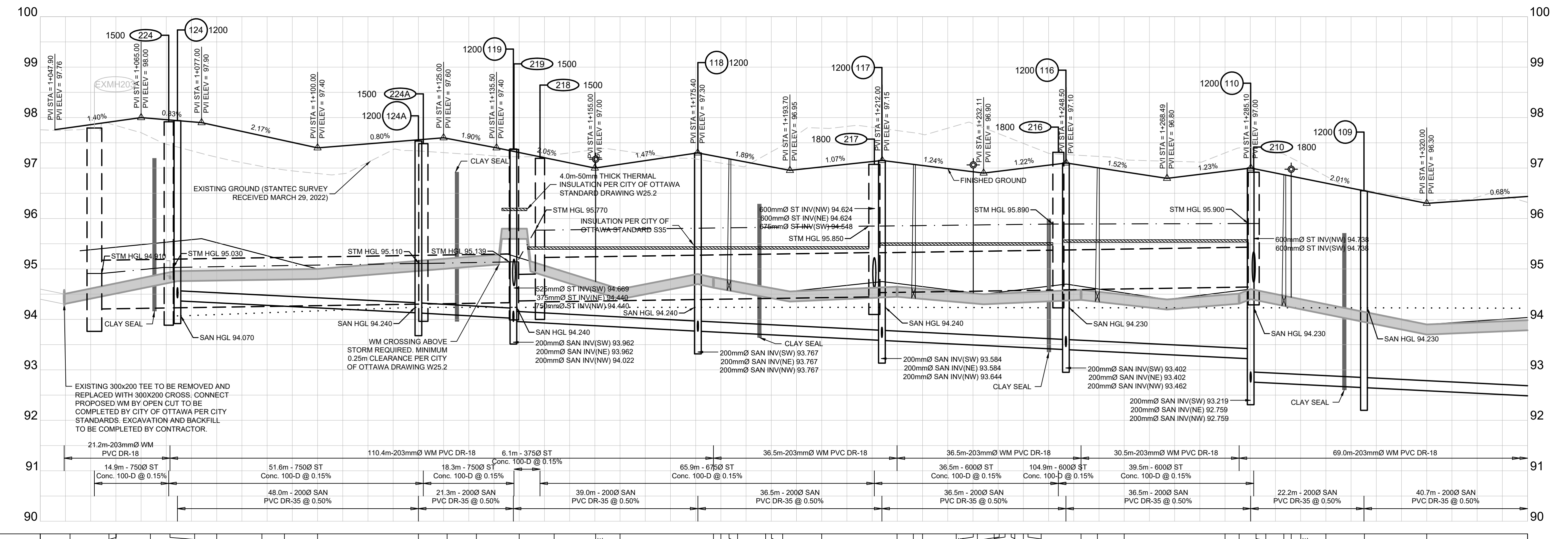
APPROVED  
By Allison Hamlin at 4:06 pm, Aug 28, 2023



LEGEND:

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN c/w ICD
- PROPOSED CATCH BASIN & LEAD
- PROPOSED TEE CATCH BASIN
- PROPOSED 3-WAY CATCH BASIN
- PROPOSED WATERMAIN, VALVE & HYDRANT
- PROPOSED WATERMAIN REDUCER
- EXISTING WATERMAIN, VALVE & HYDRANT
- EXISTING SANITARY SEWER & MANHOLE
- EXISTING STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED STORM SEWER & MANHOLE
- MANHOLE NUMBER AND SIZE (mm) C/W SAFETY PLATFORM PER OPSD 404.020
- 2 LATERAL - SERVICE CONNECTION (150 mm SAN, 19 mm Water)
- 3 LATERAL - SERVICE CONNECTION (100 mm ST, 150 SAN, 19 mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- DNOTES FIRE WALL IN UNIT
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- SANITARY HGL
- NORMAL WATER LEVEL
- INSULATION

FEEDMILL PRIVATE



DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
97.76	94.54	94.313	94.28	+1+945.00
97.86	94.54	94.313	94.28	+1+945.74
97.83	94.716	94.335	94.388	+1+950.74
97.835	94.715	94.335	94.388	+1+950.00
97.85	94.855	94.335	94.388	+1+956.85
97.855	94.855	94.335	94.388	+1+960.49
97.862	94.935	94.335	94.388	+1+967.22
97.862	94.935	94.335	94.388	+1+970.15
97.835	94.989	94.335	94.388	+1+980.00
97.835	94.989	94.335	94.388	+1+982.87
97.855	94.989	94.335	94.388	+1+992.87
97.858	94.998	94.335	94.388	+1+997.33
97.858	94.998	94.335	94.388	+1+1000.00
97.858	95.000	94.335	94.388	+1+1020.00
97.858	95.160	94.413	94.428	+1+1025.70
97.858	95.160	94.413	94.428	+1+1030.00
97.858	95.206	94.413	94.428	+1+1035.70
97.858	95.206	94.413	94.428	+1+1040.00
97.858	95.206	94.413	94.428	+1+1045.70
97.858	95.206	94.413	94.428	+1+1050.00
97.858	95.206	94.413	94.428	+1+1055.70
97.858	95.206	94.413	94.428	+1+1060.00
97.858	95.206	94.413	94.428	+1+1065.70
97.858	95.206	94.413	94.428	+1+1070.00
97.858	95.206	94.413	94.428	+1+1075.70
97.858	95.206	94.413	94.428	+1+1080.00
97.858	95.206	94.413	94.428	+1+1085.70
97.858	95.206	94.413	94.428	+1+1090.00
97.858	95.206	94.413	94.428	+1+1095.70
97.858	95.206	94.413	94.428	+1+1100.00
97.858	95.206	94.413	94.428	+1+1105.70
97.858	95.206	94.413	94.428	+1+1110.00
97.858	95.206	94.413	94.428	+1+1115.70
97.858	95.206	94.413	94.428	+1+1120.00
97.858	95.206	94.413	94.428	+1+1125.70
97.858	95.206	94.413	94.428	+1+1130.00
97.858	95.206	94.413	94.428	+1+1135.70
97.858	95.206	94.413	94.428	+1+1140.00
97.858	95.206	94.413	94.428	+1+1145.70
97.858	95.206	94.413	94.428	+1+1150.00
97.858	95.206	94.413	94.428	+1+1155.70
97.858	95.206	94.413	94.428	+1+1160.00
97.858	95.206	94.413	94.428	+1+1165.70
97.858	95.206	94.413	94.428	+1+1170.00
97.858	95.206	94.413	94.428	+1+1175.70
97.858	95.206	94.413	94.428	+1+1180.00
97.858	95.206	94.413	94.428	+1+1185.70
97.858	95.206	94.413	94.428	+1+1190.00
97.858	95.206	94.413	94.428	+1+1195.70
97.858	95.206	94.413	94.428	+1+1200.00
97.858	95.206	94.413	94.428	+1+1205.70
97.858	95.206	94.413	94.428	+1+1210.00
97.858	95.206	94.413	94.428	+1+1215.70
97.858	95.206	94.413	94.428	+1+1220.00
97.858	95.206	94.413	94.428	+1+1225.70
97.858	95.206	94.413	94.428	+1+1230.00
97.858	95.206	94.413	94.428	+1+1235.70
97.858	95.206	94.413	94.428	+1+1240.00
97.858	95.206	94.413	94.428	+1+1245.70
97.858	95.206	94.413	94.428	+1+1250.00
97.858	95.206	94.413	94.428	+1+1255.70
97.858	95.206	94.413	94.428	+1+1260.00
97.858	95.206	94.413	94.428	+1+1265.70
97.858	95.206	94.413	94.428	+1+1270.00
97.858	95.206	94.413	94.428	+1+1275.70
97.858	95.206	94.413	94.428	+1+1280.00
97.858	95.206	94.413	94.428	+1+1285.70
97.858	95.206	94.413	94.428	+1+1290.00
97.858	95.206	94.413	94.428	+1+1295.70
97.858	95.206	94.413	94.428	+1+1300.00
97.858	95.206	94.413	94.428	+1+1305.70
97.858	95.206	94.413	94.428	+1+1310.00
97.858	95.206	94.413	94.428	+1+1315.70
97.858	95.206	94.413	94.428	+1+1320.00
97.858	95.206	94.413	94.428	+1+1325.70
97.858	95.206	94.413	94.428	+1+1330.00
97.858	95.206	94.413	94.428	+1+1335.70
97.858	95.206	94.413	94.428	+1+1340.00
97.858	95.206	94.413	94.428	+1+1345.70
97.858	95.206	94.413	94.428	+1+1350.00
97.858	95.206	94.413	94.428	+1+1355.70
97.858	95.206	94.413	94.428	+1+1360.00
97.858	95.206	94.413	94.428	+1+1365.70
97.858	95.206	94.413	94.428	+1+1370.00
97.858	95.206	94.413	94.428	+1+1375.70
97.858	95.206	94.413	94.428	+1+1380.00
97.858	95.206	94.413	94.428	+1+1385.70
97.858	95.206	94.413	94.428	+1+1390.00
97.858	95.206	94.413	94.428	+1+1395.70
97.858	95.206	94.413	94.428	+1+1400.00

No.	ISSUE / REVISION	DDMMYY
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23

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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1:500 H, 1:50 V

CLIENT:  
**minto**  
Communities

CONSULTANT:  
**JLR J.L. Richards**  
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:  
**JLR J.L. Richards**  
ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP:  
**K.R. FERREY MORENO**  
100122432  
2023-08-10  
PROVINCE OF ONTARIO

PROJECT NORTH

PROJECT:  
**ARCADIA STAGE 6**

450 HUNTMAR DRIVE

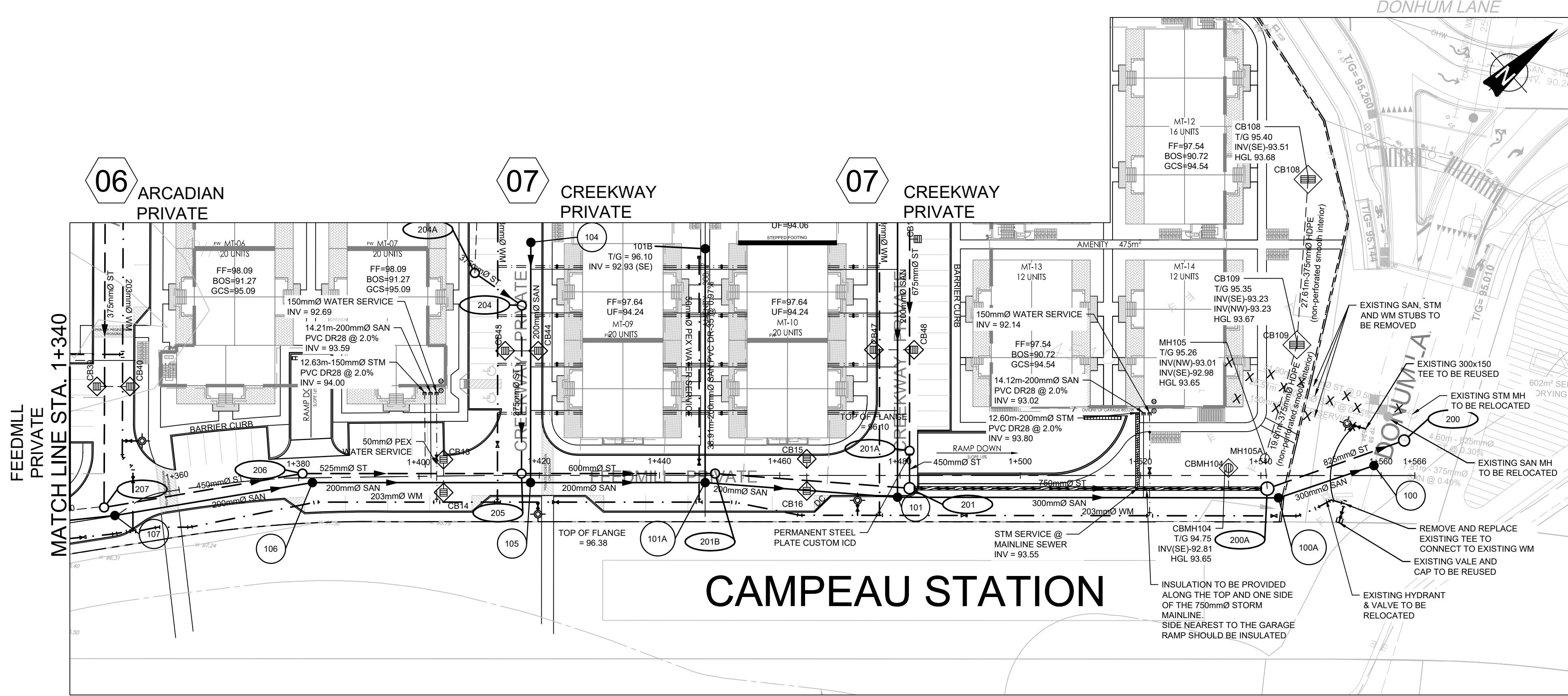
DRAWING:  
**PLAN & PROFILE  
FEEDMILL PRIVATE  
1+050 TO 1+390**

DESIGN: MM  
DRAWN: KC  
CHECKED: LD  
JLR #: 26299-006

DRAWING #:  
**01**

CITY PLAN No. 18829

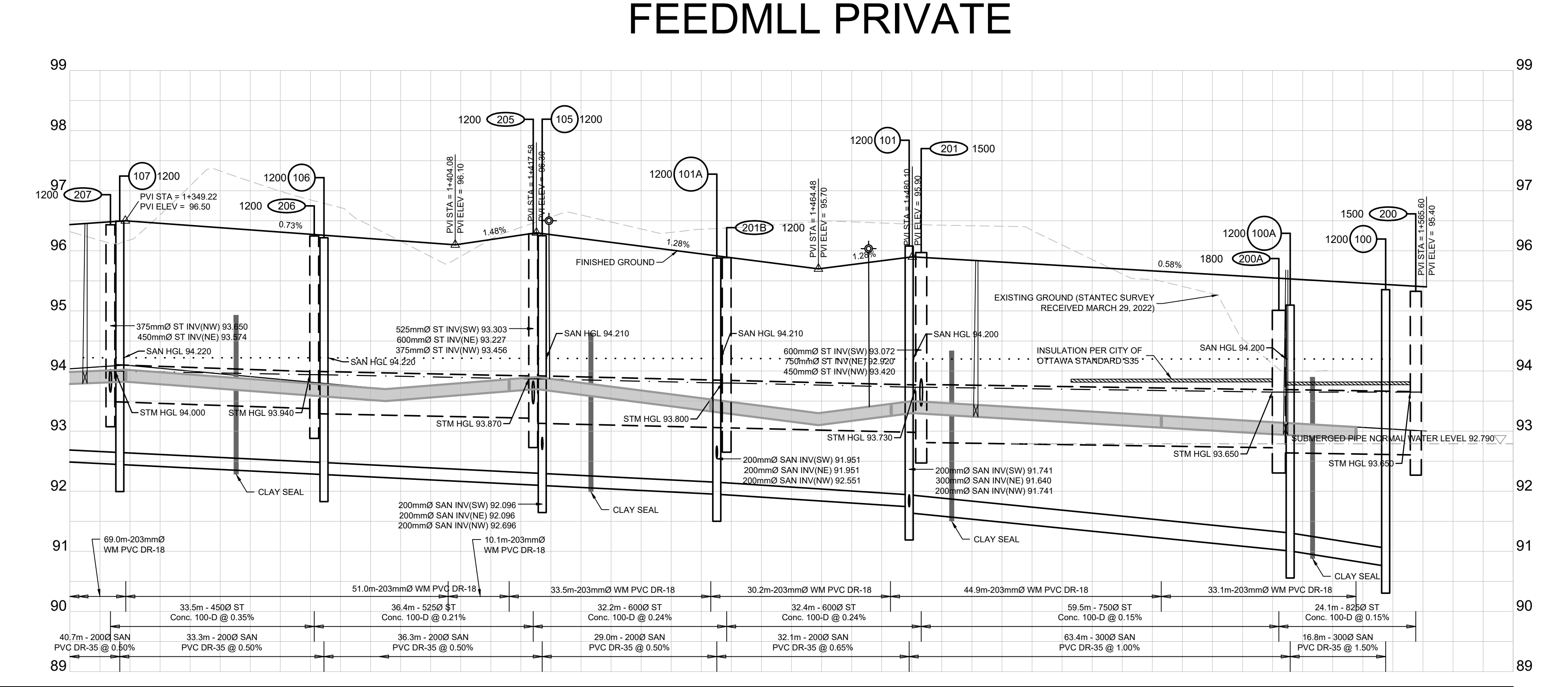
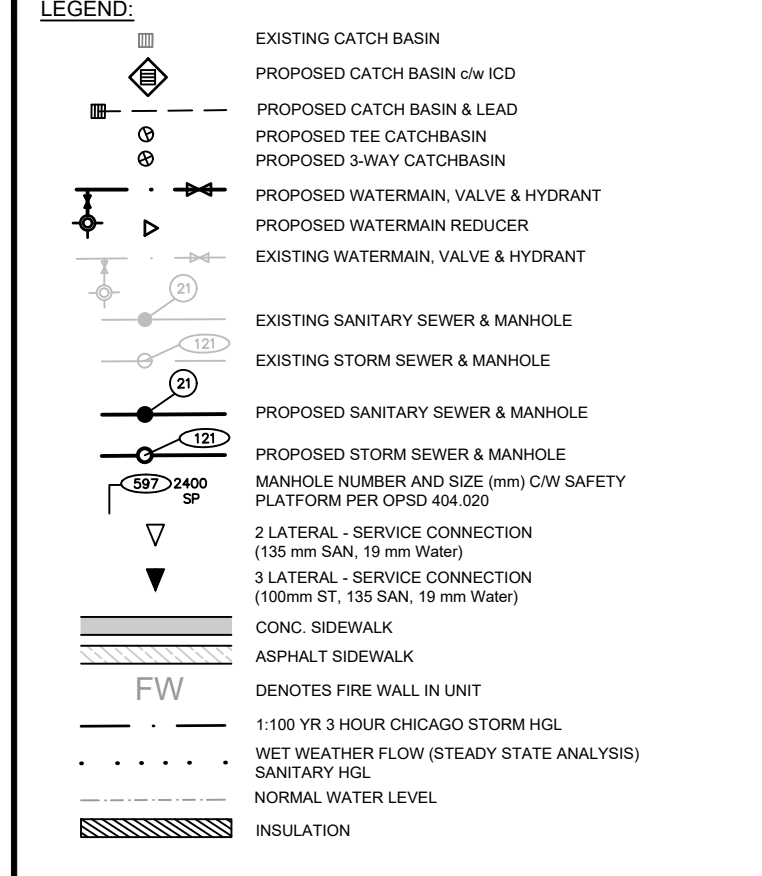
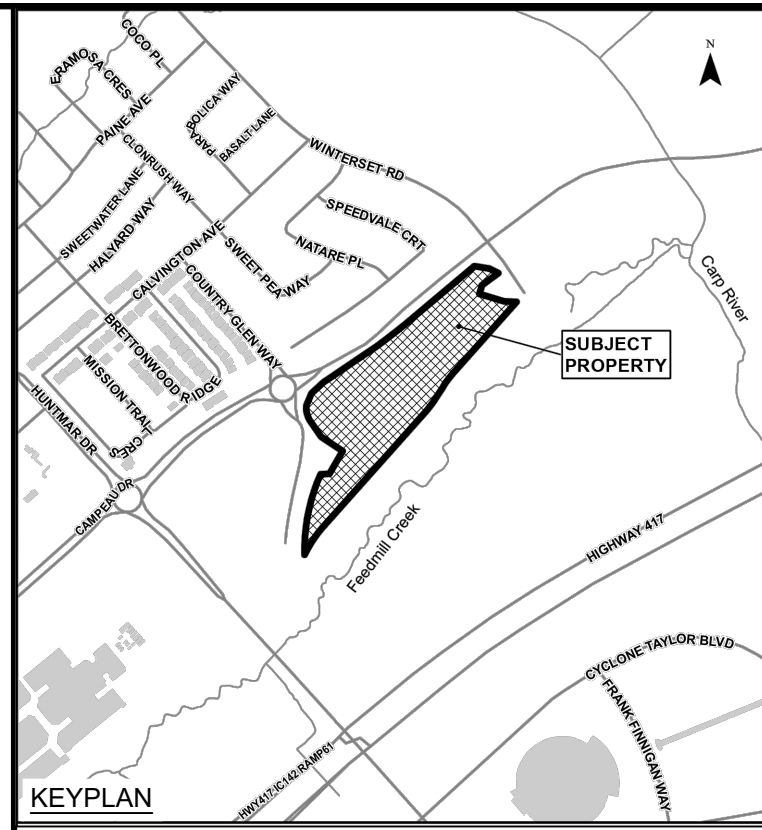
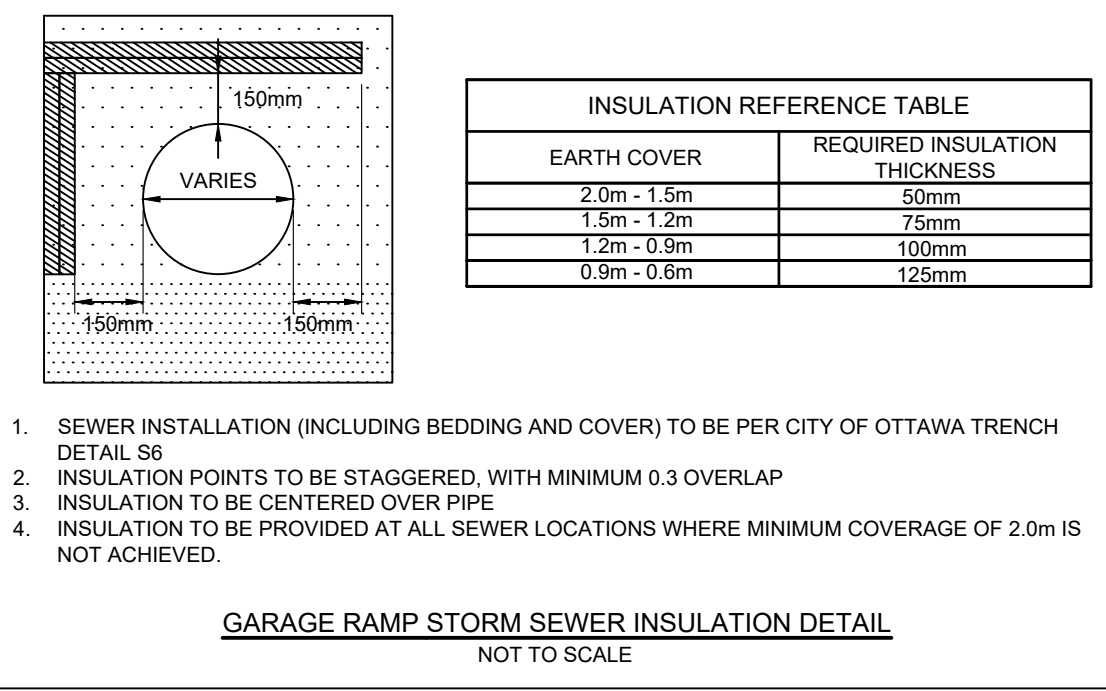
File Location: P:\26000\26299-006 - Arcadia Stage 6 - Production\TA-Civil\26299-006 C-01-02 STREET 1.dwg



*Allan Hamlin*

**ALLISON HAMLIN**  
 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
 By Allison Hamlin at 4:06 pm, Aug 28, 2023



DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	S.L. ROADWAY STATION
1-349.01	93.84	93.456	92.648	1+349.01
1-349.75	93.444	93.380	92.444	1+349.75
1-349.01	93.444	93.380	92.444	1+349.01
1-349.30	93.444	93.380	92.444	1+349.30
1-349.07	93.444	93.380	92.444	1+349.07
1-349.12	93.444	93.380	92.444	1+349.12
1-349.86	93.444	93.380	92.444	1+349.86
1-349.09	93.444	93.380	92.444	1+349.09
1-349.81	93.444	93.380	92.444	1+349.81
1-420.00	93.444	93.380	92.444	1+420.00
1-413.05	93.444	93.380	92.444	1-413.05
1-420.00	93.444	93.380	92.444	1+420.00
1-419.78	93.444	93.380	92.444	1-419.78
1-422.70	93.444	93.380	92.444	1-422.70
1-440.00	93.444	93.380	92.444	1+440.00
1-446.58	93.444	93.380	92.444	1-446.58
1-452.37	93.444	93.380	92.444	1-452.37
1-460.00	93.444	93.380	92.444	1+460.00
1-463.32	93.444	93.380	92.444	1-463.32
1-472.93	93.444	93.380	92.444	1-472.93
1-476.57	93.444	93.380	92.444	1-476.57
1-480.00	93.444	93.380	92.444	1+480.00
1-486.84	93.444	93.380	92.444	1-486.84
1-500.00	93.444	93.380	92.444	1+500.00
1-550.00	93.444	93.380	92.444	1-550.00
1-521.49	93.444	93.380	92.444	1-521.49
1-540.00	93.444	93.380	92.444	1+540.00
1-542.17	93.444	93.380	92.444	1-542.17
1-546.18	93.444	93.380	92.444	1-546.18
1-549.38	93.444	93.380	92.444	1-549.38
1-551.71	93.444	93.380	92.444	1-551.71
1-553.87	93.444	93.380	92.444	1-553.87
1-560.00	93.444	93.380	92.444	1+560.00

No.	ISSUE / REVISION	DATE
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23

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SCALE: 1:500 H, 1:50 V

CLIENT:  
 Minto Communities

CONSULTANT:  
 J.L. Richards  
 ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP:  
 K.R. FERREY MORENO  
 100122432  
 2023-08-10  
 PROVINCE OF ONTARIO

PROJECT:  
 ARCADIA STAGE 6  
 450 HUNTMAR DRIVE

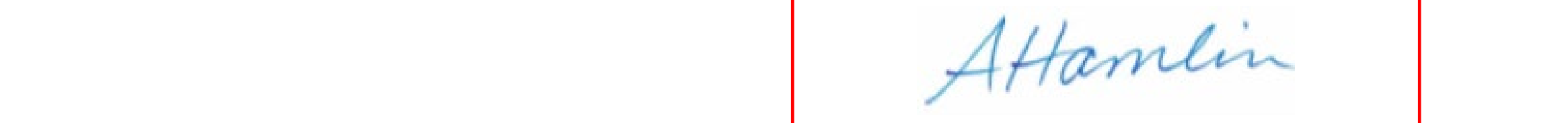
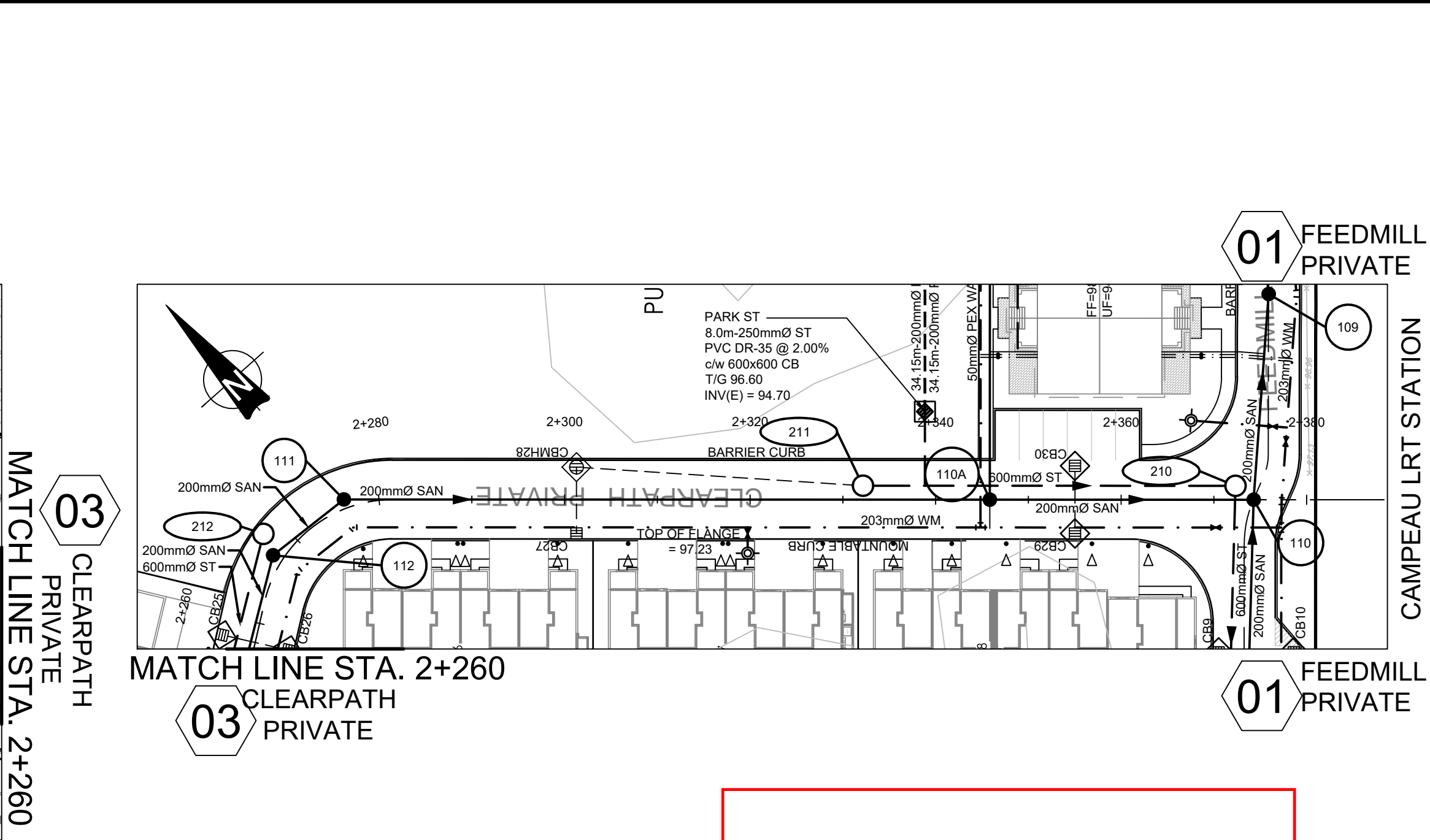
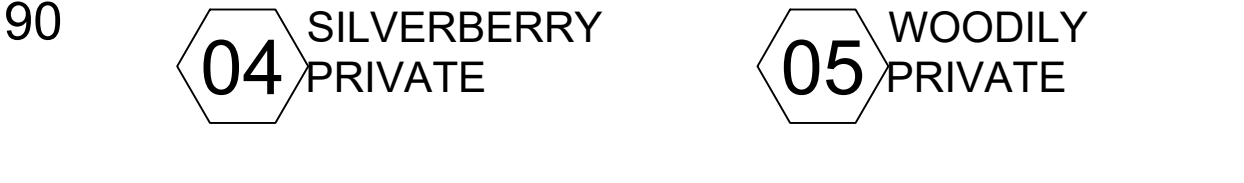
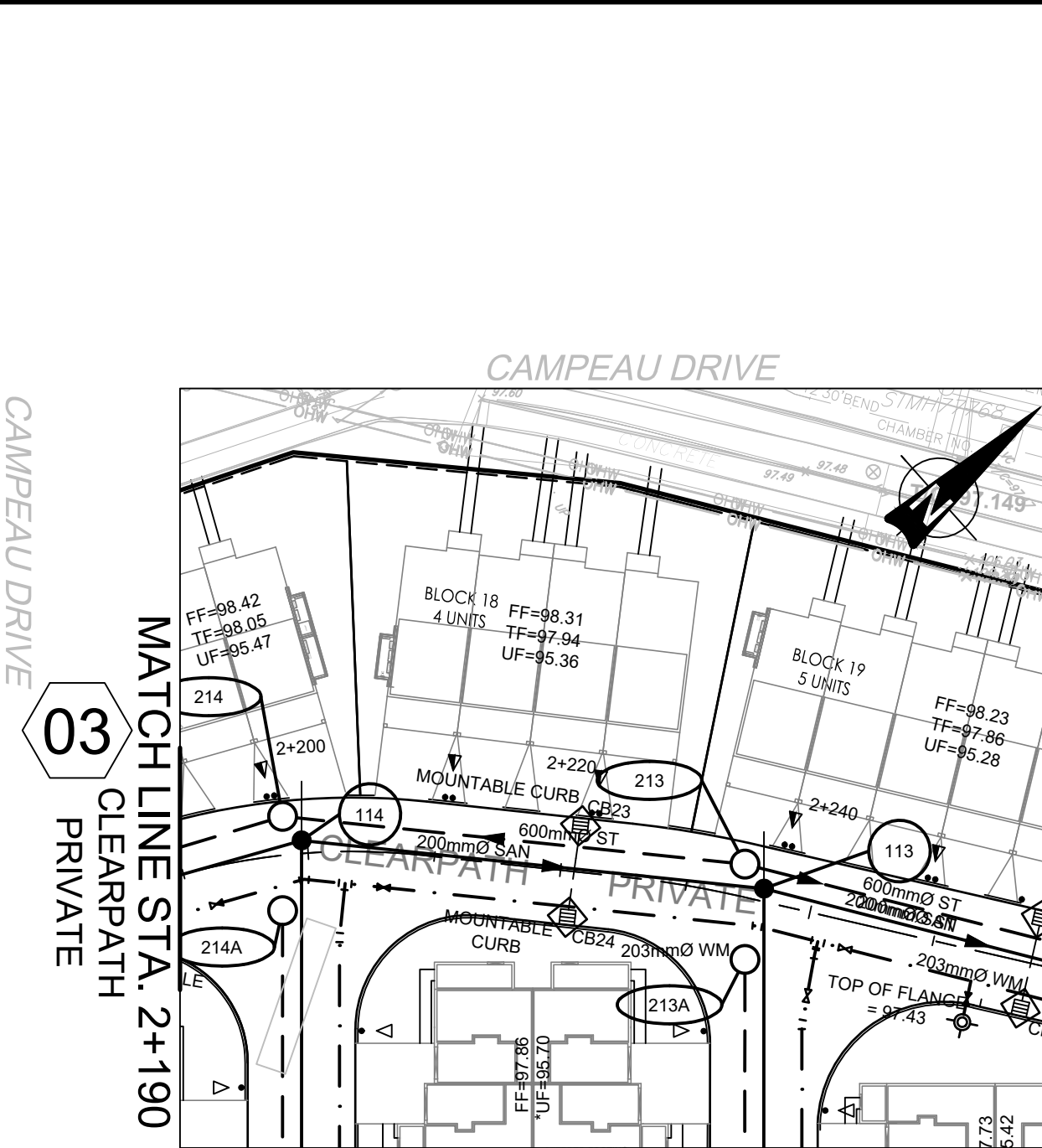
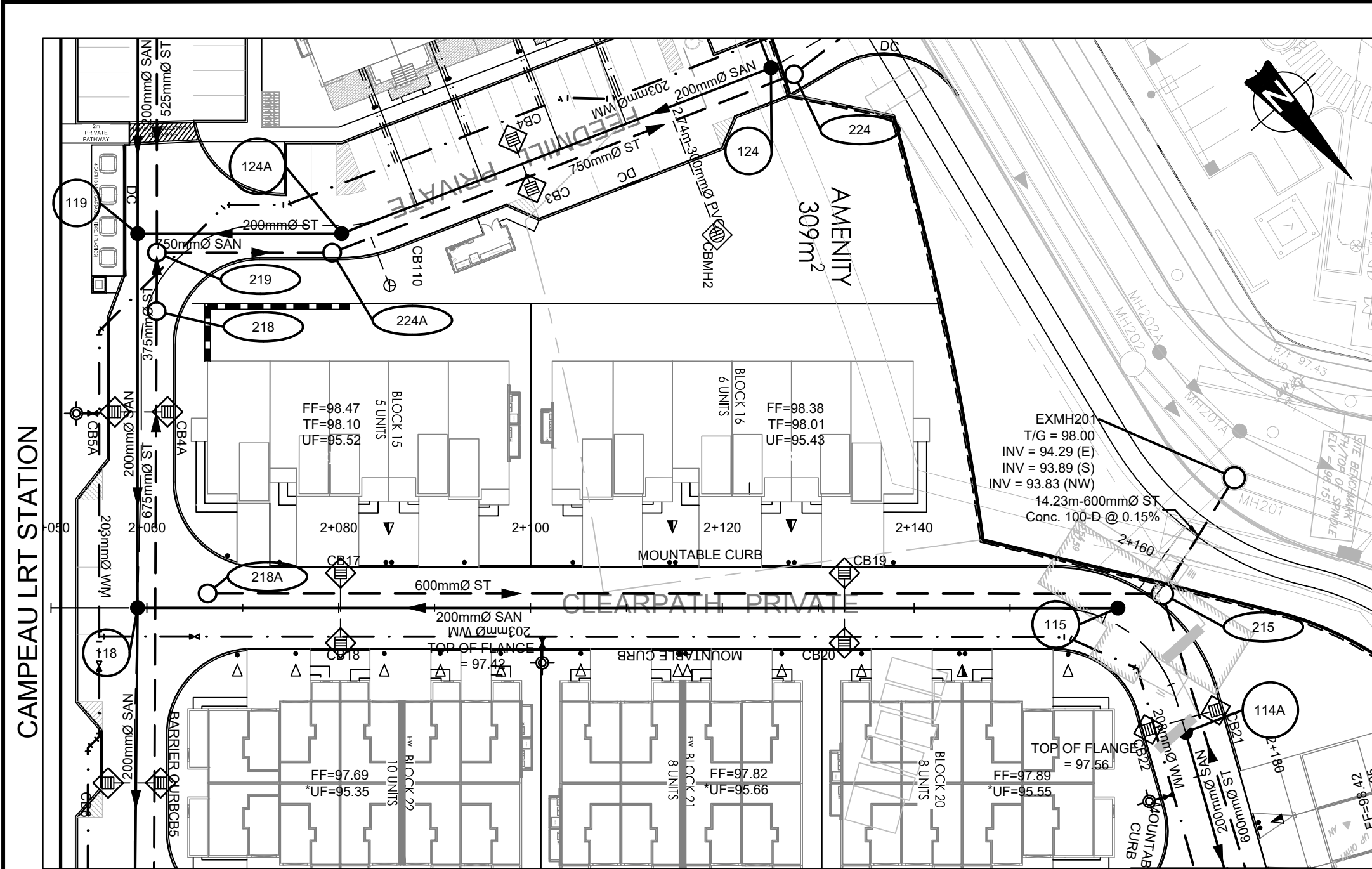
DRAWING:  
 PLAN & PROFILE  
 FEEDMILL PRIVATE  
 1+390 TO 1+623.83

DESIGN: MM  
 DRAWN: KC  
 CHECKED: LD  
 JLR # 26299-006

DRAWING #:  
**02**

CITY PLAN No. 18829

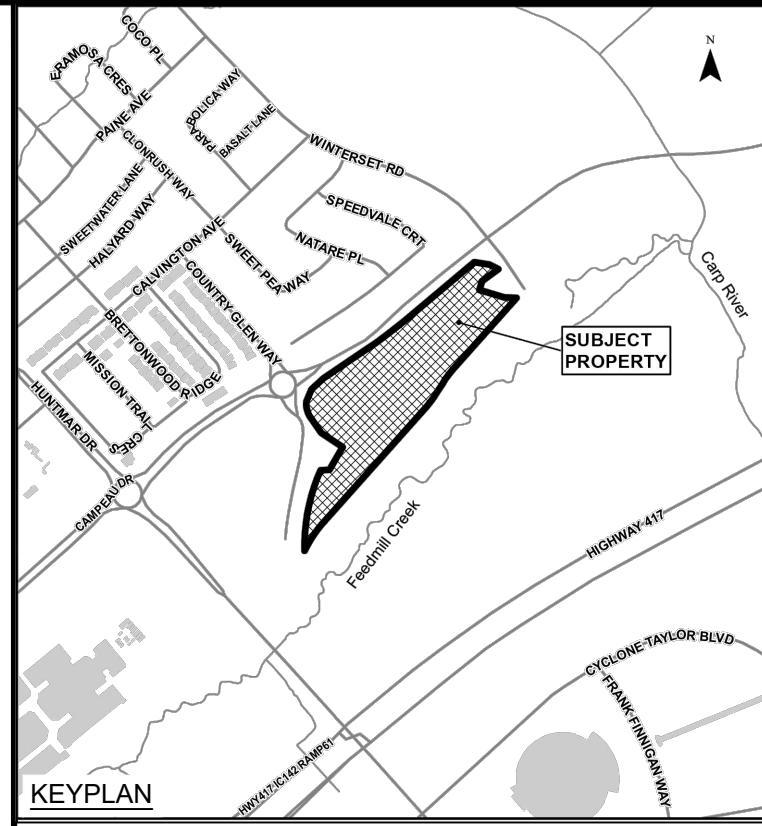
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# CLEARPATH PRIVATE

*Allison Hamlin*  
**ALLISON HAMLIN**  
 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
 By Allison Hamlin at 4:06 pm, Aug 28, 2023



**LEGEND:**

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN c/w ICD
- PROPOSED CATCH BASIN & LEAD
- PROPOSED TIE CATCHBASIN
- PROPOSED 3-WAY CATCHBASIN
- PROPOSED WATERMAIN, VALVE & HYDRANT
- PROPOSED WATERMAIN REDUCER
- EXISTING WATERMAIN, VALVE & HYDRANT
- EXISTING SANITARY SEWER & MANHOLE
- EXISTING STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED STORM SEWER & MANHOLE
- MANHOLE NUMBER AND SIZE (mm) C/W SAFETY PLATFORM PER OPSD 404-020
- 2 LATERAL - SERVICE CONNECTION (15 mm SAN, 19 mm Water)
- 3 LATERAL - SERVICE CONNECTION (100mm ST, 15 SAN, 19 mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- FW DENOTES FIRE WALL IN UNIT
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- SANITARY HGL
- NORMAL WATER LEVEL
- INSULATION

No.	ISSUE / REVISION	DDMMYY
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
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05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23

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 SCALE: 1:500 H, 1:50 V

**CLIENT:**

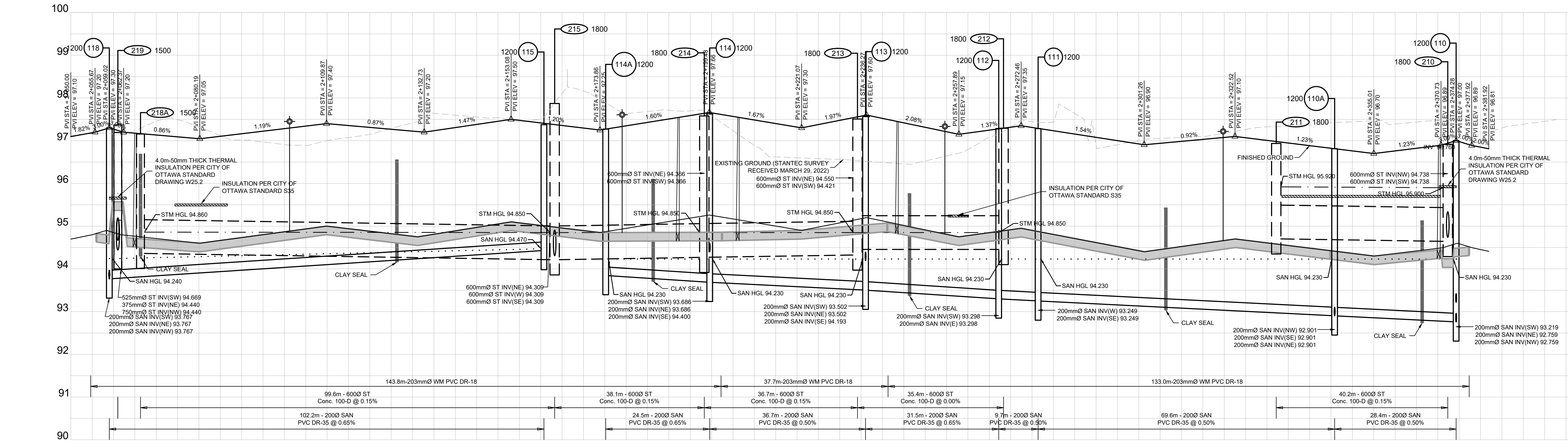
**CONSULTANT:**  
  
 ENGINEERS - ARCHITECTS - PLANNERS

**PROFESSIONAL STAMP:**

**PROJECT:**  
 ARCADIA STAGE 6  
 450 HUNTMAR DRIVE

**DRAWING:**  
 PLAN & PROFILE  
 CLEARPATH PRIVATE  
 2+050 TO 2+382.06

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>03</b>
CHECKED: LD	
JLR #: 26299-006	

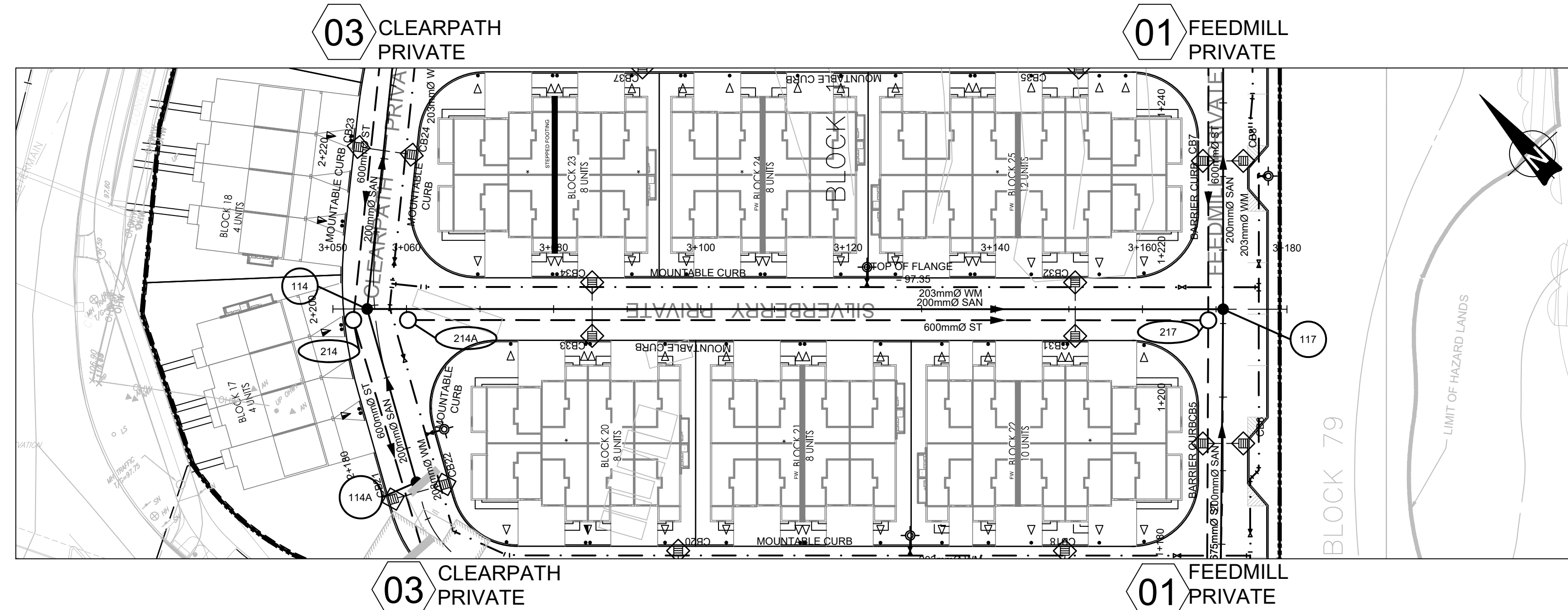


DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
97.686	94.829			2+050.00
97.209	94.750			2+056.00
97.297	94.750			2+058.00
97.271	94.449			2+060.00
97.717	94.449			2+062.00
97.203	94.458			2+065.00
97.192	94.728			2+065.20
97.192	94.728			2+065.40
97.047				2+065.60
97.047				2+080.00
97.311				2+140.00
97.307				2+140.00
97.262				2+156.41
97.297				2+160.00
97.477				2+165.75
97.477				2+165.95
97.338				2+166.51
97.333				2+166.51
97.348				2+168.00
97.542				2+192.08
97.660				2+199.53
97.660				2+200.00
97.652				2+200.00
97.611				2+202.43
97.611				2+202.43
97.650				2+206.10
97.319				2+140.00
97.319				2+220.00
97.598				2+234.15
97.598				2+236.19
97.459				2+240.00
97.459				2+241.13
97.453				2+243.34
97.218				2+254.60
97.277				2+260.00
97.179				2+267.17
97.277				2+268.34
97.277				2+268.34
96.925				2+276.43
96.925				2+280.00
97.233				2+280.00
97.290				2+286.00
97.290				2+276.34
96.905				2+300.00
96.905				2+300.00
96.905				2+300.00
96.905				2+332.17
96.885				2+340.00
96.825				2+344.64
96.825				2+344.64
96.761				2+360.00
96.817				2+370.20
96.817				2+370.20
96.850				2+370.69
96.905				2+371.10
96.905				2+371.10
96.905				2+372.53
96.905				2+372.53
96.905				2+372.53
96.945				2+372.79
96.945				2+372.79
96.902				2+377.30
96.902				2+377.30
96.902				2+460.00
96.902				2+460.00

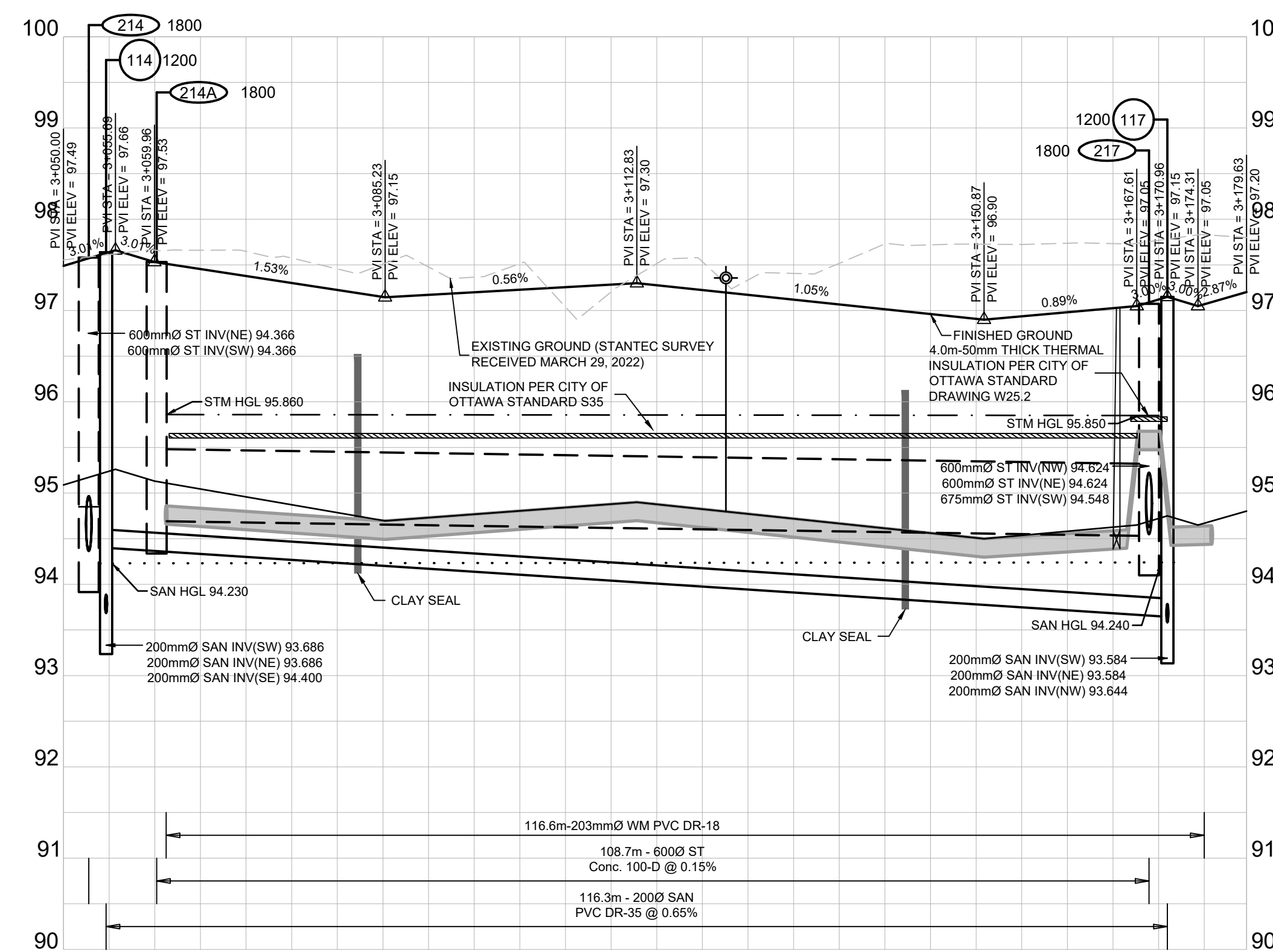
File Location: P:\2000\026299-006 - Arcadia Stage 6\5-Production\1A-Civil\26299-006-C 03 STREET 2.dwg

PLOT DATE: August 9, 2023 11:21:17 AM CITY PLAN No. 18829





# SILVERBERRY PRIVATE

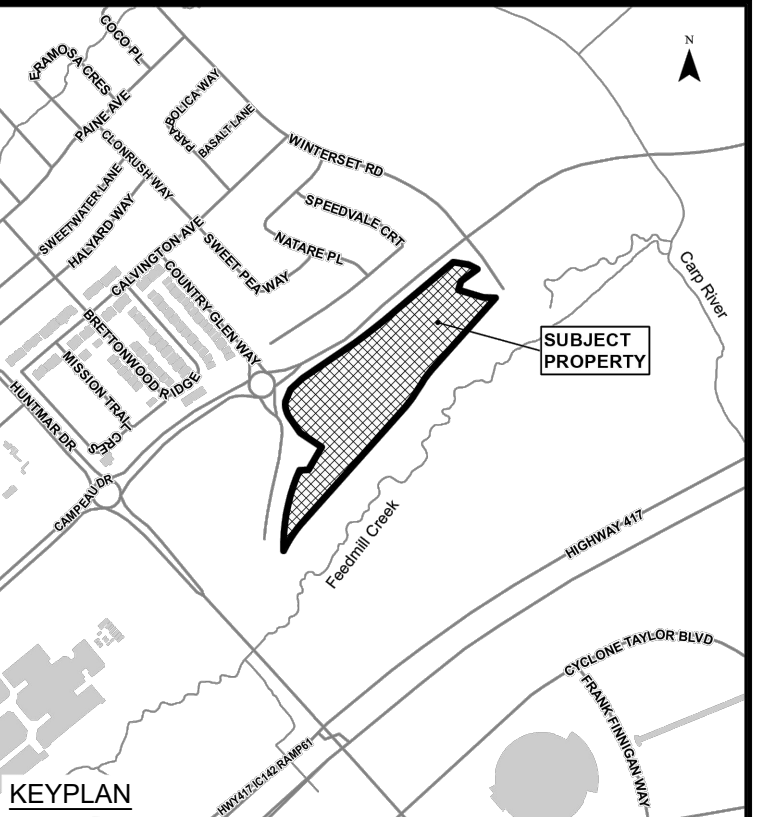


DESIGN PROFILE ELEVATIONS	97.489	97.516	97.531	97.512	97.495	97.476	97.226	97.228	97.224	97.014	97.030	97.030	97.030	97.030	97.030	97.030	97.030	97.030	97.030	97.030	97.030	
W.M. TOP ELEVATIONS			94.869				94.731			94.605												
STORM SEWER INV. ELEVATION			94.787																			
SANITARY SEWER INV. ELEVATION		94.400																				
C.L. ROADWAY STATION	3+450.00	3+452.76	3+454.06	3+460.00	3+460.00	3+461.24	3+462.34	3+480.00	3+100.00	3+120.00	3+122.58	3+140.00	3+165.40	3+166.50	3+169.00	3+169.72	3+170.17	3+168.94	3+170.96	3+171.36	3+172.81	3+179.63

*Allison Hamlin*

**ALLISON HAMLIN**  
**MANAGER (A), DEVELOPMENT REVIEW WEST**  
**PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT**  
**DEPARTMENT, CITY OF OTTAWA**

**APPROVED**  
 By Allison Hamlin at 4:06 pm, Aug 28, 2023



**LEGEND:**

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN w/ ICD
- PROPOSED CATCH BASIN & LEAD
- PROPOSED TEE CATCH BASIN
- PROPOSED 3-WAY CATCH BASIN
- PROPOSED WATERMAIN, VALVE & HYDRANT
- PROPOSED WATERMAIN REDUCER
- EXISTING WATERMAIN, VALVE & HYDRANT
- EXISTING SANITARY SEWER & MANHOLE
- EXISTING STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED STORM SEWER & MANHOLE
- MANHOLE NUMBER AND SIZE (mm) CIV SAFETY PLATFORM PER OPSD 404.020
- 2 LATERAL - SERVICE CONNECTION (150mm SAN, 19mm Water)
- 3 LATERAL - SERVICE CONNECTION (100mm ST, 15 SAN, 19mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- FW DENOTES FIRE WALL IN UNIT
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- SANITARY HGL
- NORMAL WATER LEVEL
- INSULATION

No.	ISSUE / REVISION	DDMMYY
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
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04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23

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SCALE: 1:500 H, 1:50 V

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

**ARCADIA STAGE 6**

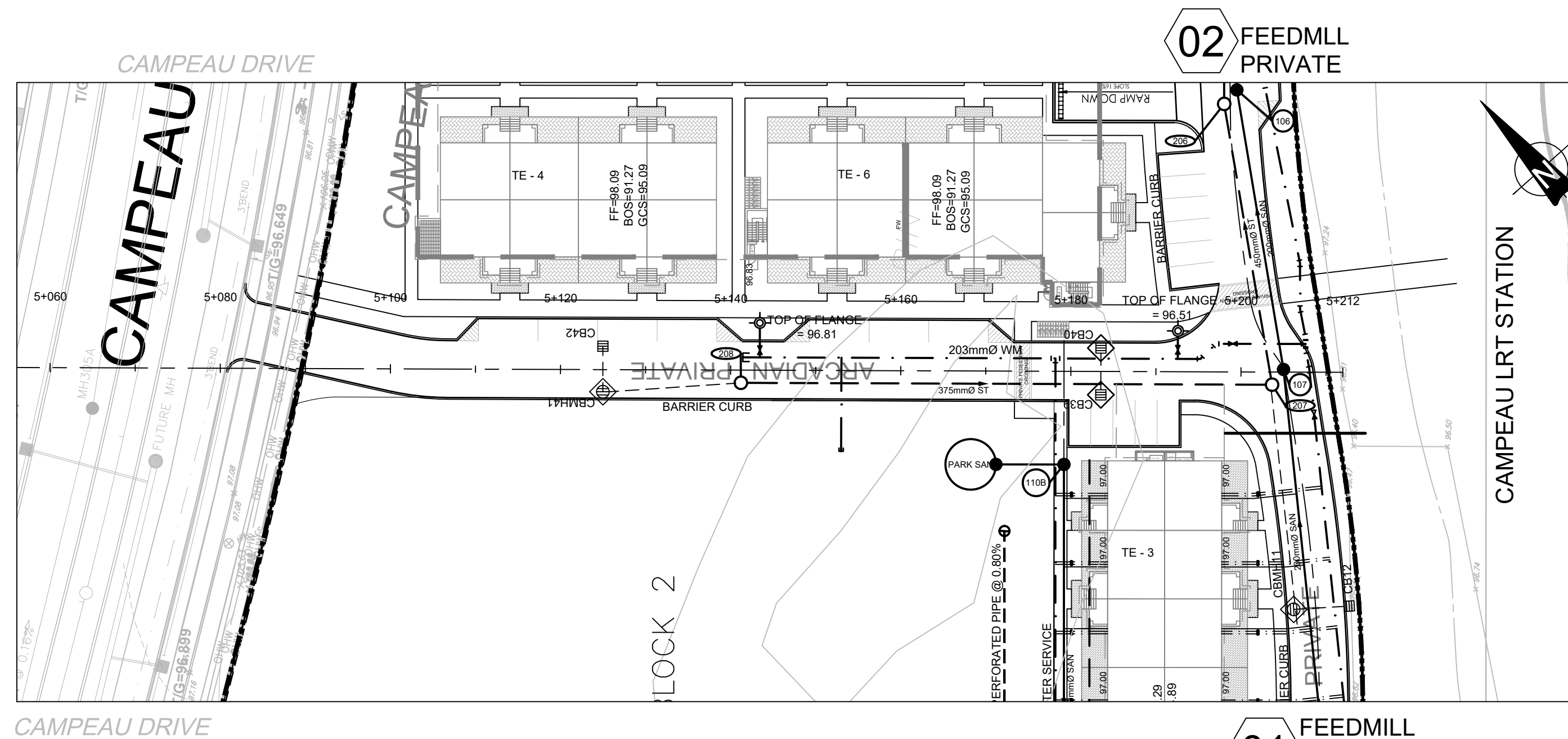
450 HUNTMAR DRIVE

DRAWING:

**PLAN & PROFILE**  
**SILVERBERRY PRIVATE**  
**3+050 TO 3+179.63**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>04</b>
CHECKED: LD	
JLR #: 26299-006	

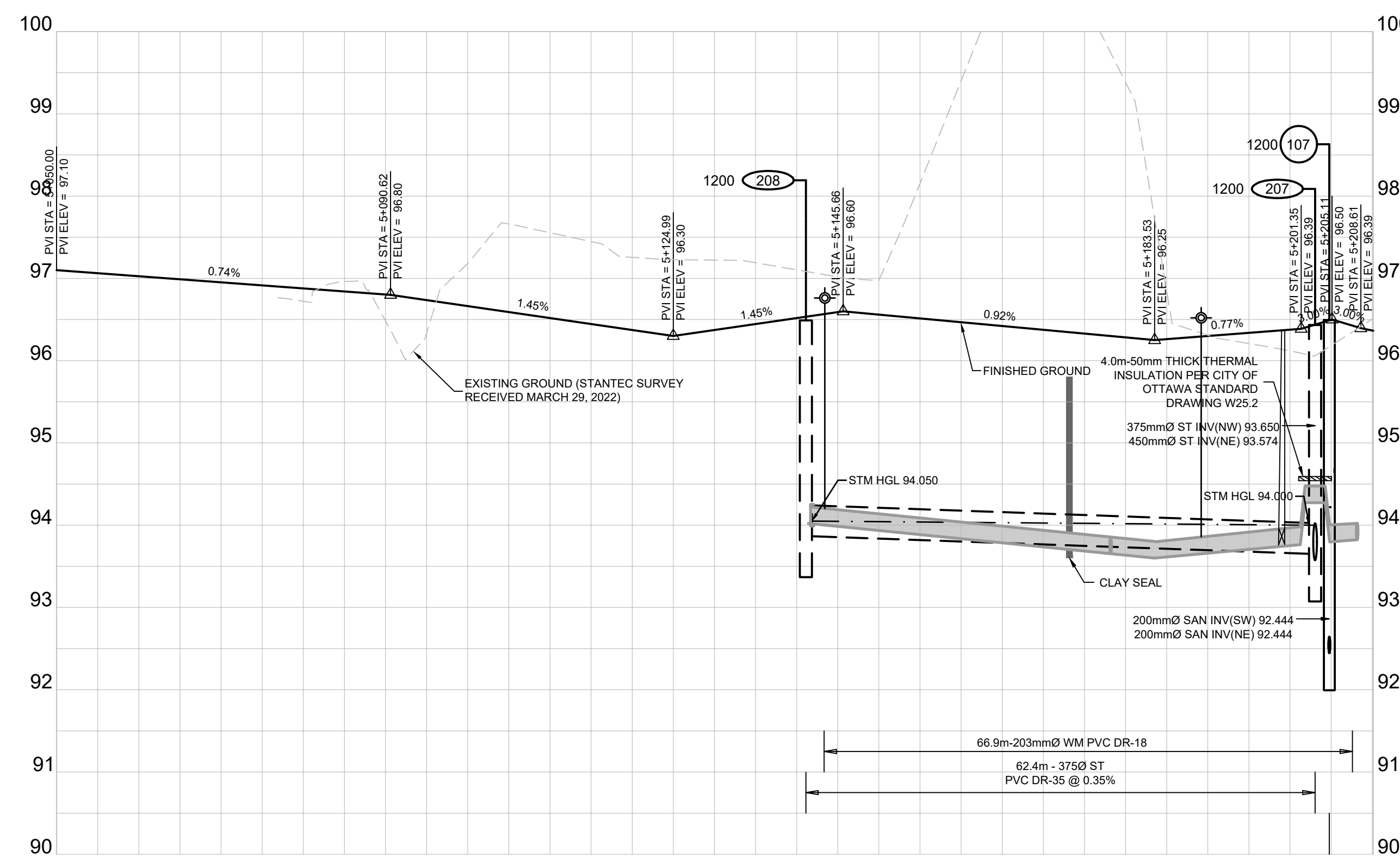




# ARCADIAN PRIVATE

CAMPEAU DRIVE

01 FEEDMILL PRIVATE

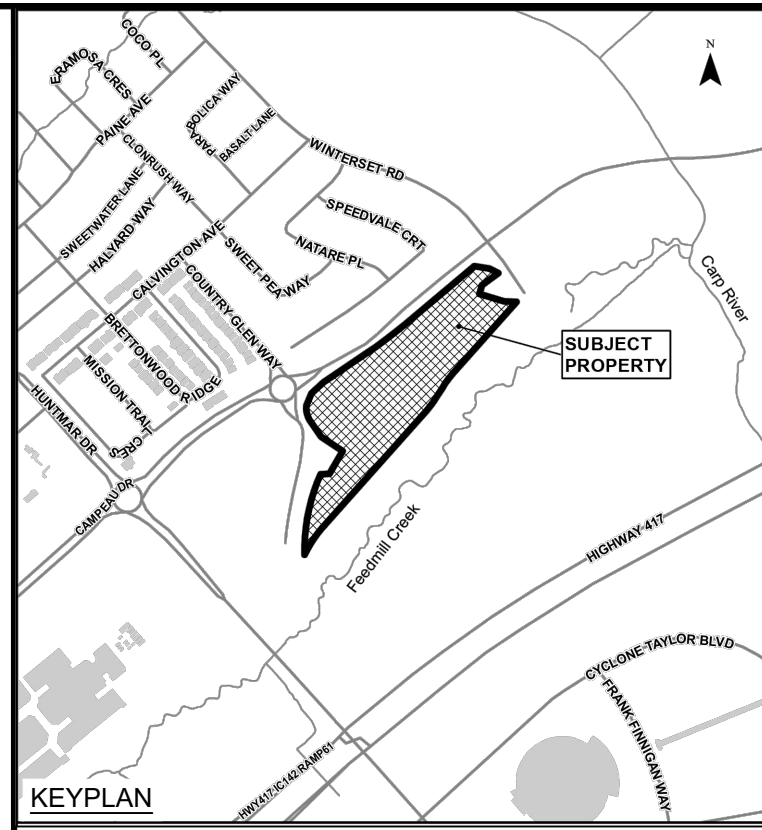


DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
97.100				5+050.00
97.026				5+060.00
				5+080.00
				5+100.00
				5+120.00
				5+141.69
				5+141.92
				5+143.42
				5+160.00
				5+176.19
				5+180.00
				5+185.22
				5+197.03
				5+198.98
				5+201.27
				5+201.82
				5+202.00
				5+203.05
				5+204.67
				5+204.81
				5+208.16
				TEE

*Allison Hamlin*

**ALLISON HAMLIN**  
**MANAGER (A), DEVELOPMENT REVIEW WEST**  
**PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT**  
**DEPARTMENT, CITY OF OTTAWA**

**APPROVED**  
 By Allison Hamlin at 4:06 pm, Aug 28, 2023



**LEGEND:**

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN w/ ICD
- PROPOSED TEE CATCH BASIN & LEAD
- PROPOSED TEE CATCH BASIN
- PROPOSED 3-WAY CATCH BASIN
- PROPOSED WATERMAIN, VALVE & HYDRANT
- PROPOSED WATERMAIN REDUCER
- EXISTING WATERMAIN, VALVE & HYDRANT
- EXISTING SANITARY SEWER & MANHOLE
- EXISTING STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED STORM SEWER & MANHOLE
- MANHOLE NUMBER AND SIZE (mm) C/W SAFETY PLATFORM PER OPSD 404.020
- 2 LATERAL - SERVICE CONNECTION (150 mm SAN, 19 mm Water)
- 3 LATERAL - SERVICE CONNECTION (100 mm ST, 125 SAN, 19 mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- FW DENOTES FIRE WALL IN UNIT
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- SANITARY HGL
- NORMAL WATER LEVEL
- INSULATION

No.	ISSUE / REVISION	DD/MM/YY
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
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05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23

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SCALE: 1:500 H, 1:50 V

CLIENT:

CONSULTANT:

www.jrichards.ca

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

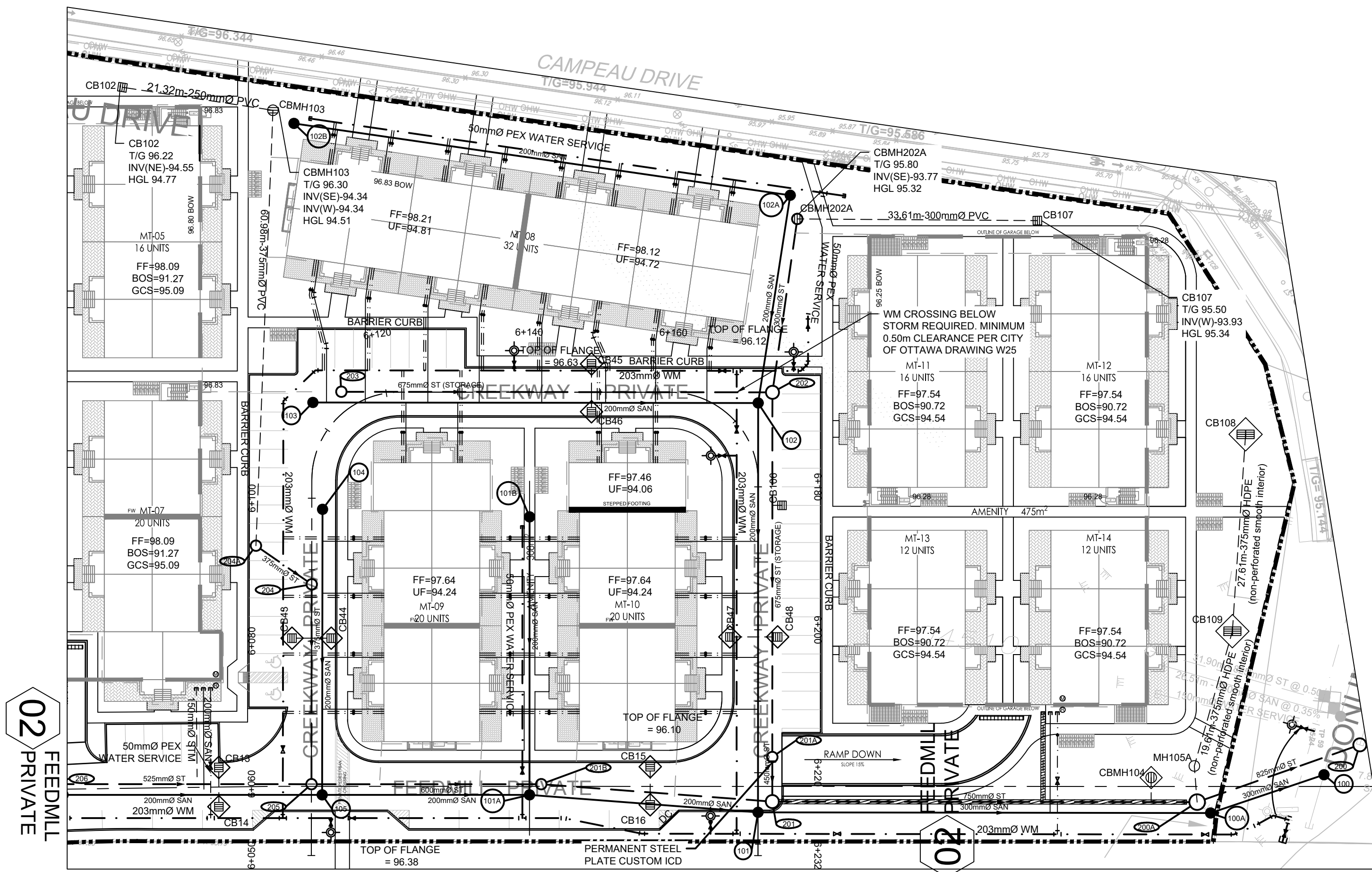
**ARCADIA STAGE 6**

450 HUNTMAR DRIVE

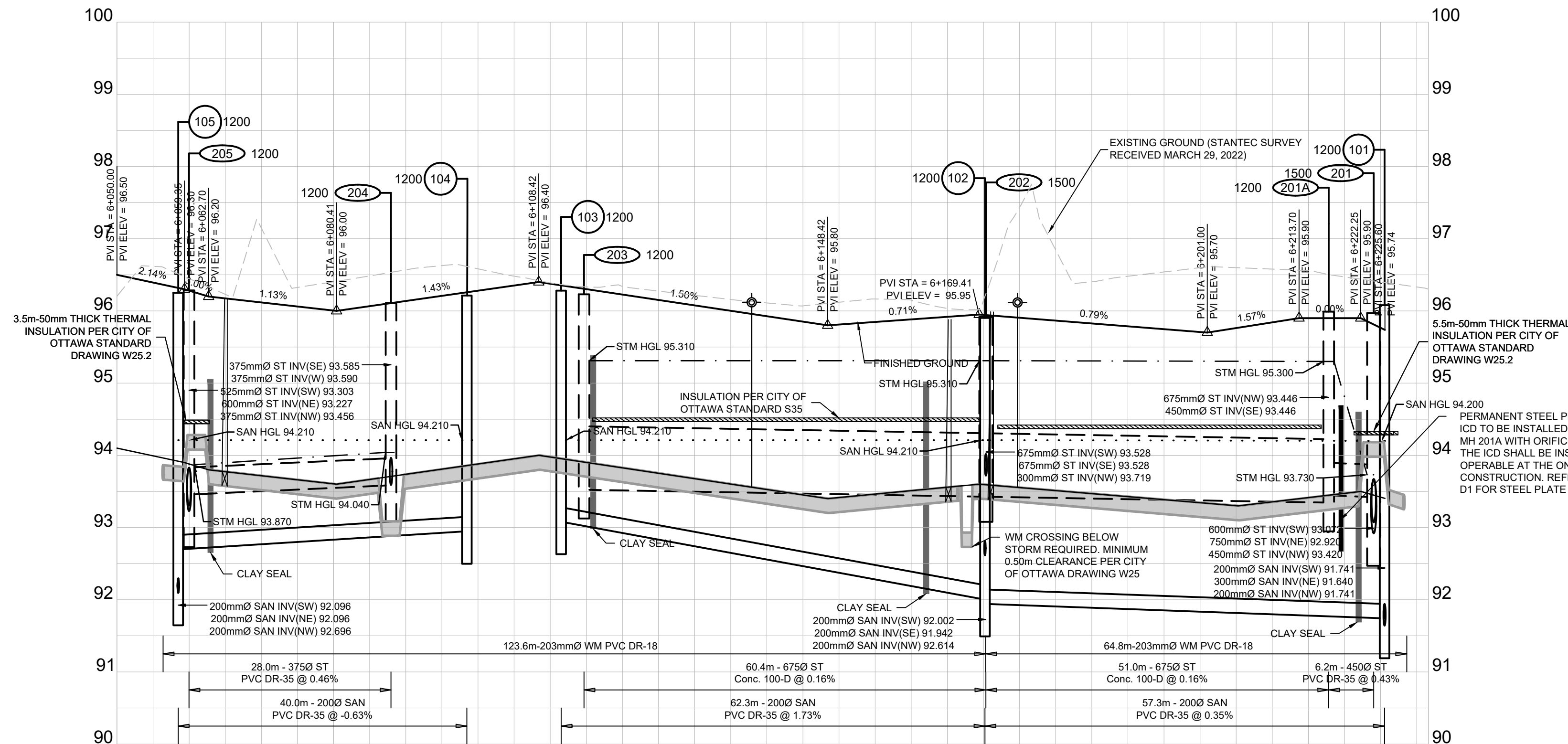
DRAWING:

**PLAN & PROFILE**  
**ARCADIAN PRIVATE**  
**5+050 TO 5+211.97**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>06</b>
CHECKED: LD	
JLR #: 26299-006	



# CREEKWAY PRIVATE

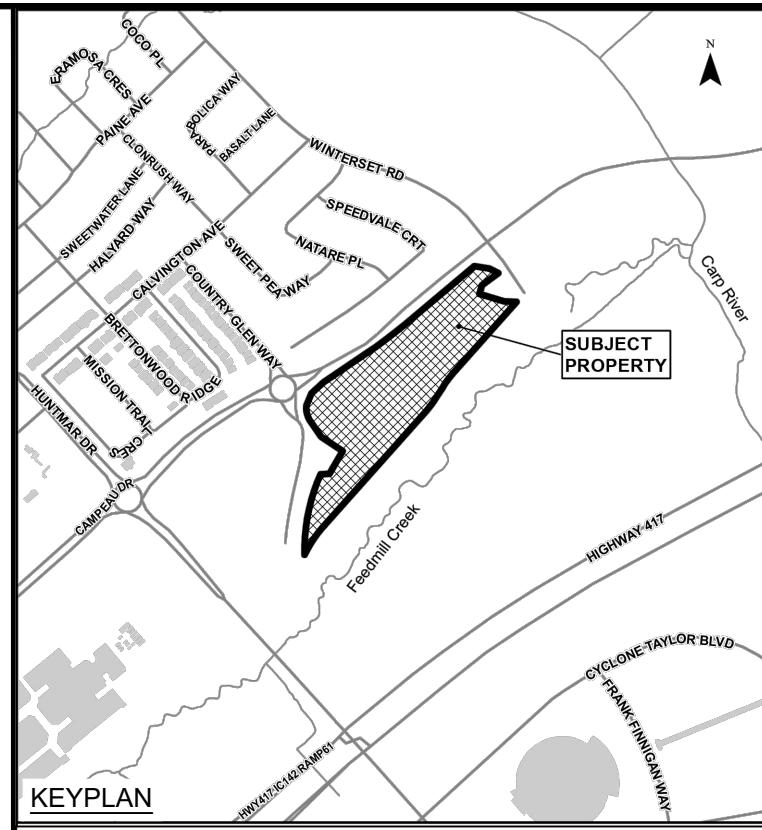


DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
96.000	93.893	93.456	92.696	6+050.00
96.302	93.839			6+056.39
96.302	93.839			6+059.28
96.302	93.839			6+062.77
96.302	93.839			6+066.22
96.302	93.839			6+069.67
96.302	93.839			6+073.12
96.302	93.839			6+076.57
96.302	93.839			6+080.02
96.302	93.839			6+083.47
96.302	93.839			6+086.92
96.302	93.839			6+090.37
96.302	93.839			6+093.82
96.302	93.839			6+097.27
96.302	93.839			6+100.72
96.302	93.839			6+104.17
96.302	93.839			6+107.62
96.302	93.839			6+111.07
96.302	93.839			6+114.52
96.302	93.839			6+117.97
96.302	93.839			6+121.42
96.302	93.839			6+124.87
96.302	93.839			6+128.32
96.302	93.839			6+131.77
96.302	93.839			6+135.22
96.302	93.839			6+138.67
96.302	93.839			6+142.12
96.302	93.839			6+145.57
96.302	93.839			6+149.02
96.302	93.839			6+152.47
96.302	93.839			6+155.92
96.302	93.839			6+159.37
96.302	93.839			6+162.82
96.302	93.839			6+166.27
96.302	93.839			6+169.72
96.302	93.839			6+173.17
96.302	93.839			6+176.62
96.302	93.839			6+180.07
96.302	93.839			6+183.52
96.302	93.839			6+186.97
96.302	93.839			6+190.42
96.302	93.839			6+193.87
96.302	93.839			6+197.32
96.302	93.839			6+200.77
96.302	93.839			6+204.22
96.302	93.839			6+207.67
96.302	93.839			6+211.12
96.302	93.839			6+214.57
96.302	93.839			6+218.02
96.302	93.839			6+221.47
96.302	93.839			6+224.92
96.302	93.839			6+228.37
96.302	93.839			6+231.82

*Allison Hamlin*

**ALLISON HAMLIN**  
**MANAGER (A), DEVELOPMENT REVIEW WEST**  
**PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT**  
**DEPARTMENT, CITY OF OTTAWA**

**APPROVED**  
 By Allison Hamlin at 4:06 pm, Aug 28, 2023



- LEGEND:**
- EXISTING CATCH BASIN
  - PROPOSED CATCH BASIN & LEAD
  - PROPOSED TEE CATCH BASIN
  - PROPOSED 3-WAY CATCH BASIN
  - PROPOSED WATERMAIN, VALVE & HYDRANT
  - PROPOSED WATERMAIN REDUCER
  - EXISTING WATERMAIN, VALVE & HYDRANT
  - EXISTING SANITARY SEWER & MANHOLE
  - EXISTING STORM SEWER & MANHOLE
  - PROPOSED SANITARY SEWER & MANHOLE
  - PROPOSED STORM SEWER & MANHOLE
  - MANHOLE NUMBER AND SIZE (mm) C/W SAFETY PLATFORM PER OPSS 404.020
  - 2 LATERAL - SERVICE CONNECTION (150mm SAN, 19mm Water)
  - 3 LATERAL - SERVICE CONNECTION (100mm ST, 18 SAN, 17mm Water)
  - CONC. SIDEWALK
  - ASPHALT SIDEWALK
  - DENOTES FIRE WALL IN UNIT
  - 1:100 YR 3 HOUR CHICAGO STORM HGL
  - WET WEATHER FLOW (STEADY STATE ANALYSIS)
  - SANITARY HGL
  - NORMAL WATER LEVEL
  - INSULATION

No.	ISSUE / REVISION	DATE
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
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04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23
No.	ISSUE / REVISION	DD/MM/YY

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SCALE: 1:500 H, 1:50 V

CLIENT:  
**minto Communities**

CONSULTANT:  
**J.L. Richards**  
 ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:  
**K.R. FERREY MORENO**  
 100122432  
 2023-08-10  
 PROVINCE OF ONTARIO

PROJECT NORTH  
 PROJECT:  
**ARCADIA STAGE 6**

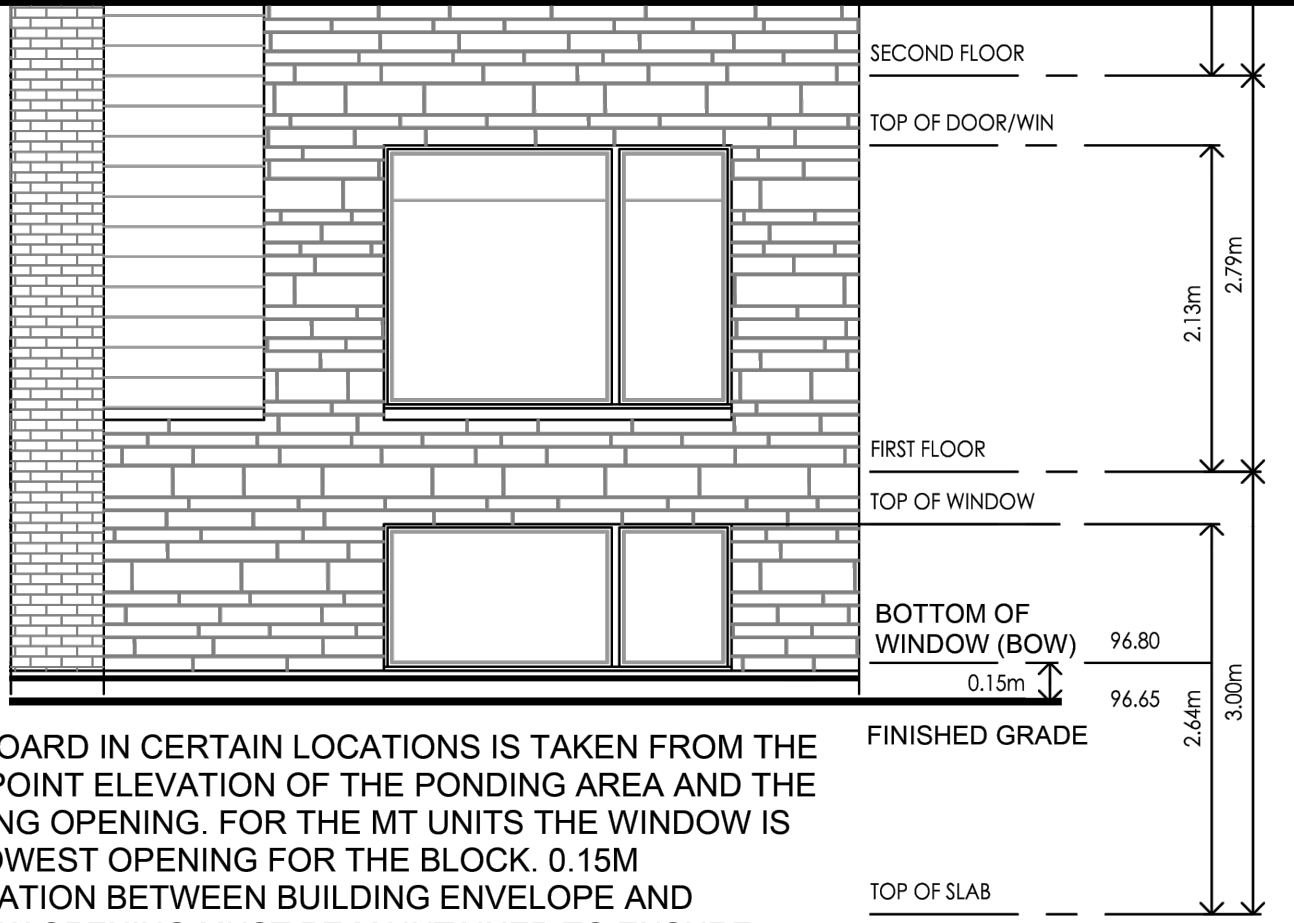
450 HUNTMAR DRIVE

DRAWING:  
**PLAN & PROFILE**  
**CREEKWAY PRIVATE**  
**6+050 TO 6+231.90**

DESIGN: MM  
 DRAWN: KC  
 CHECKED: LD  
 JLR #: 26299-006

DRAWING #:  
**07**

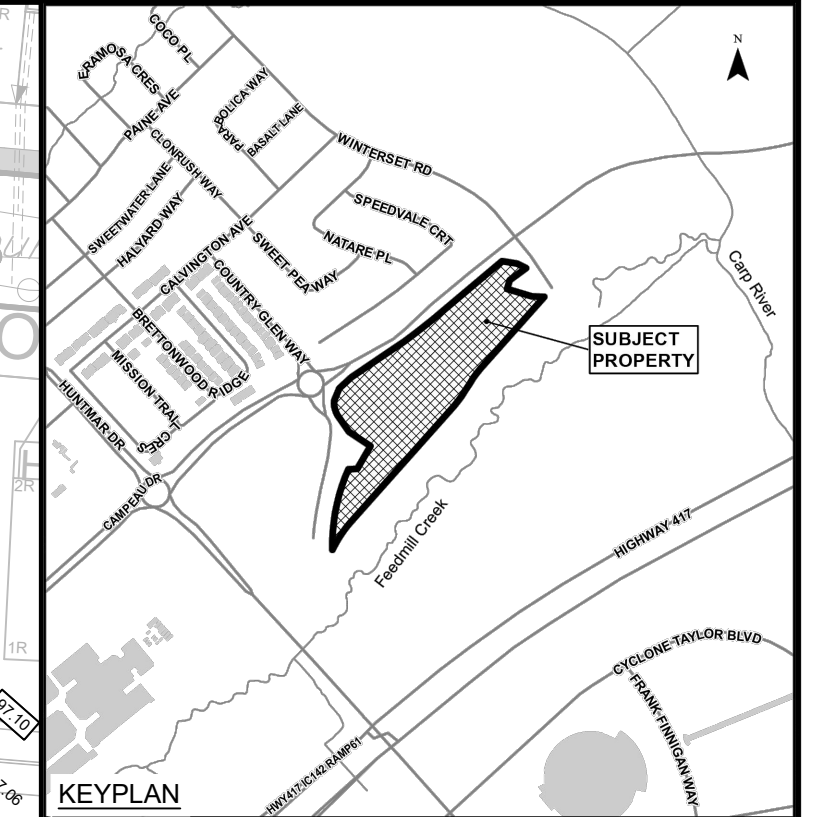
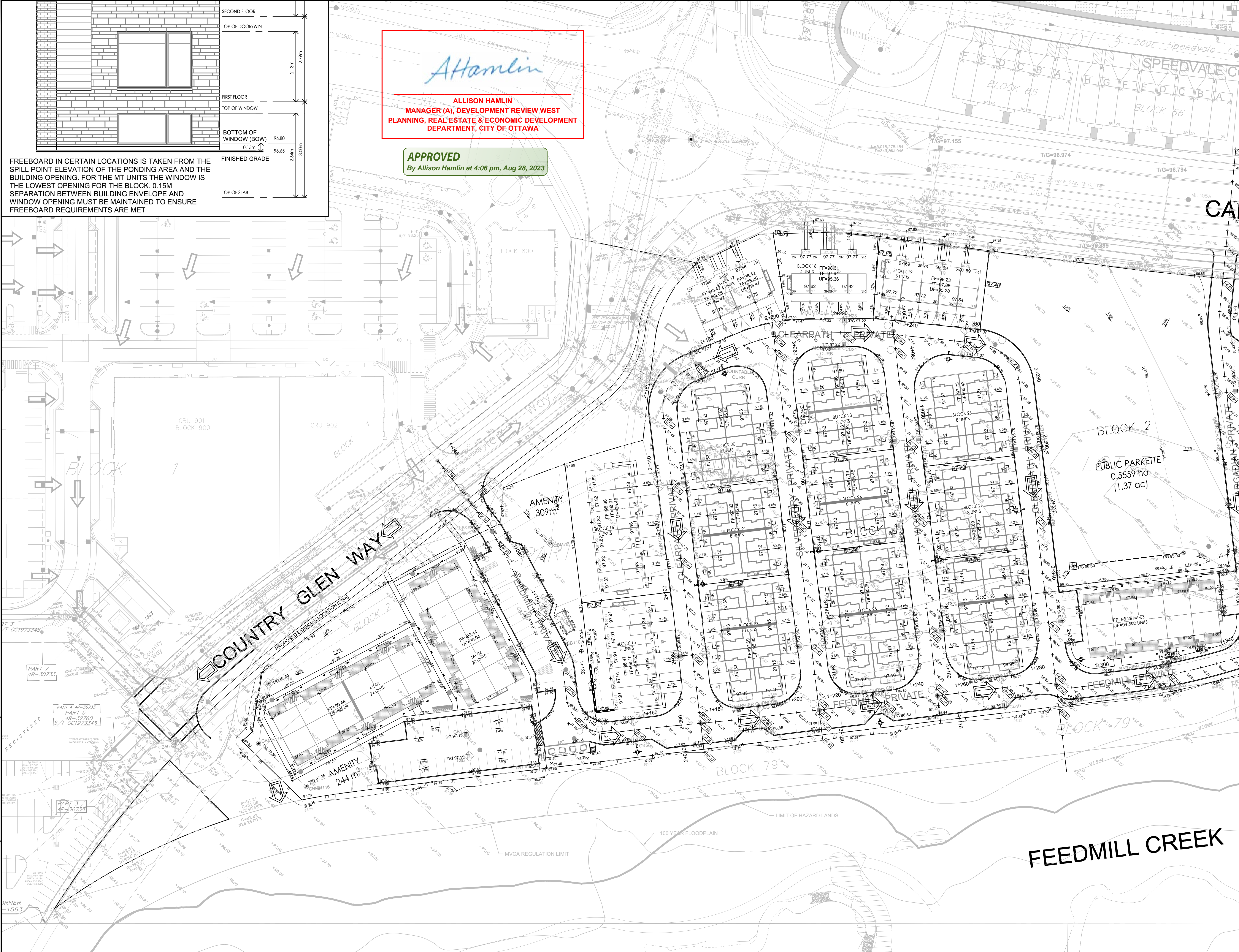




FREEBOARD IN CERTAIN LOCATIONS IS TAKEN FROM THE SPILL POINT ELEVATION OF THE PONDING AREA AND THE BUILDING OPENING. FOR THE MT UNITS THE WINDOW IS THE LOWEST OPENING FOR THE BLOCK. 0.15M SEPARATION BETWEEN BUILDING ENVELOPE AND WINDOW OPENING MUST BE MAINTAINED TO ENSURE FREEBOARD REQUIREMENTS ARE MET

*Allison Hamlin*  
**ALLISON HAMLIN**  
 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
 By Allison Hamlin at 4:06 pm, Aug 28, 2023

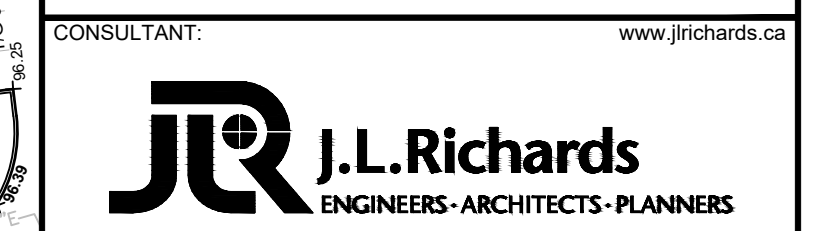


**LEGEND**

- PROPOSED ELEVATION
- EXISTING GROUND (STANTEC SURVEY RECEIVED MARCH 28, 2022)
- INDICATES BOTTOM OF WINDOW ELEVATION
- PROPOSED CIL ROAD HIGH POINT / LOW POINT
- PROPOSED TERRACING (MAX 3:1)
- SURFACE SLOPE
- FLOW DIRECTION
- MAJOR OVERLAND FLOW DIRECTION
- FINISHED FLOOR ELEVATION
- BOTTOM OF GARAGE FLOOR SLAB
- GARAGE SLAB CEILING ELEVATION
- TOP OF FOUNDATION ELEVATION
- UNDERSIDE OF FOUNDATION ELEVATION
- UNDERSIDE OF FOUNDATION ELEVATION TO DENOTE THE UNIT IS WITHOUT A BASEMENT
- ASPHALT WALKWAY
- CONCRETE SURFACE (EXISTING)
- CONCRETE RISERS
- CURB AND DEPRESSED CURB
- BICYCLE RACK
- BOREHOLE NUMBER
- TEST PIT

No.	ISSUE / REVISION	DDMMYY
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23
No.	ISSUE / REVISION	DDMMYY

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 SCALE: 1:500



PROJECT: ARCADIA STAGE 6  
 450 HUNTMAR DRIVE

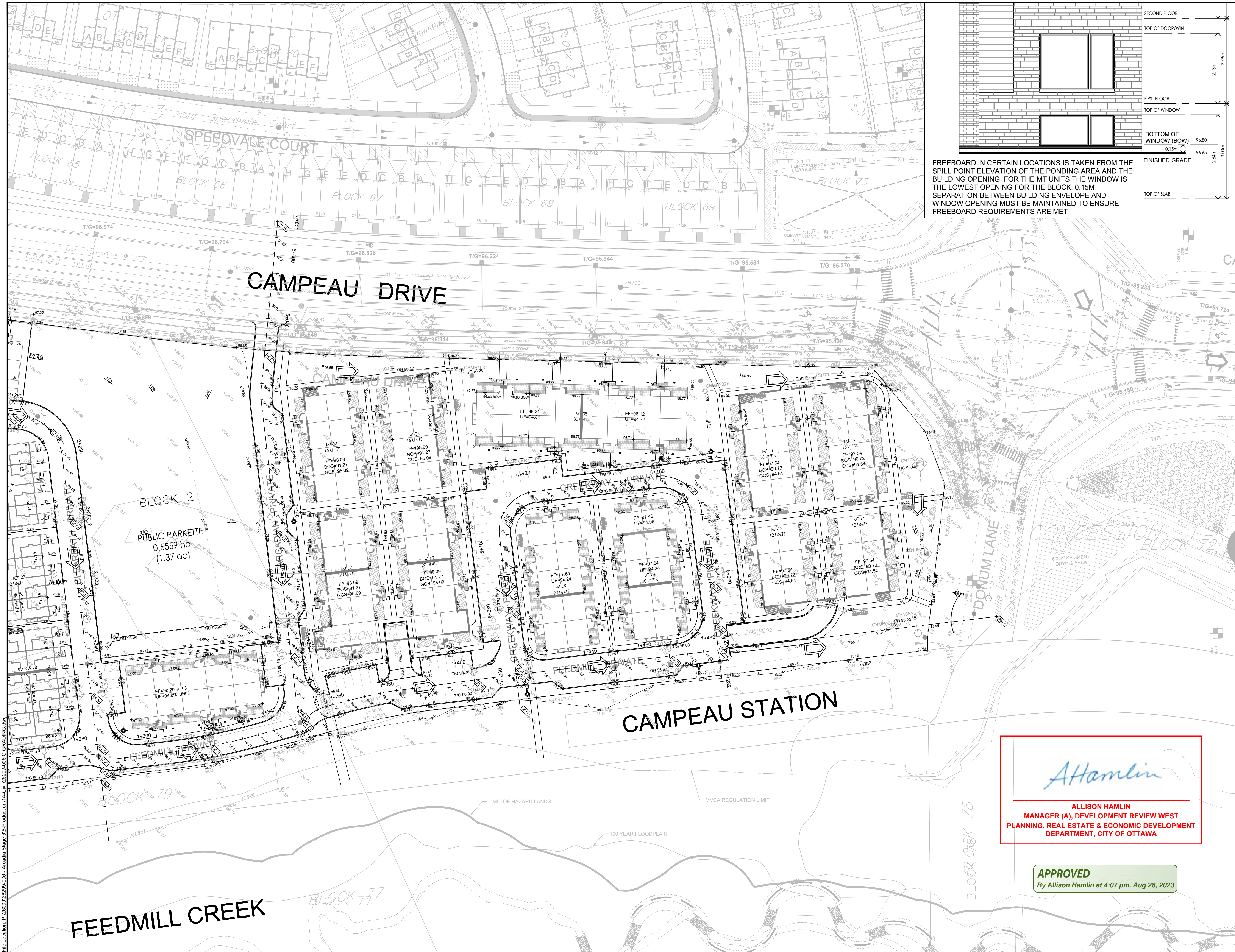
DRAWING: GRADING PLAN

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>G1</b>
CHECKED: LD	
JLR #: 26299-006	

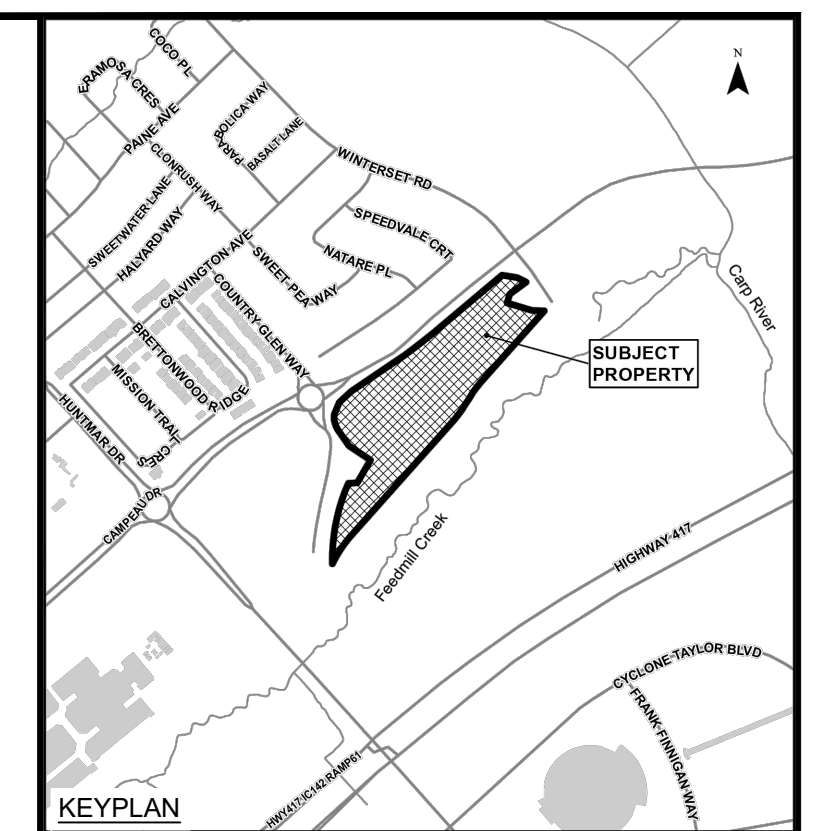
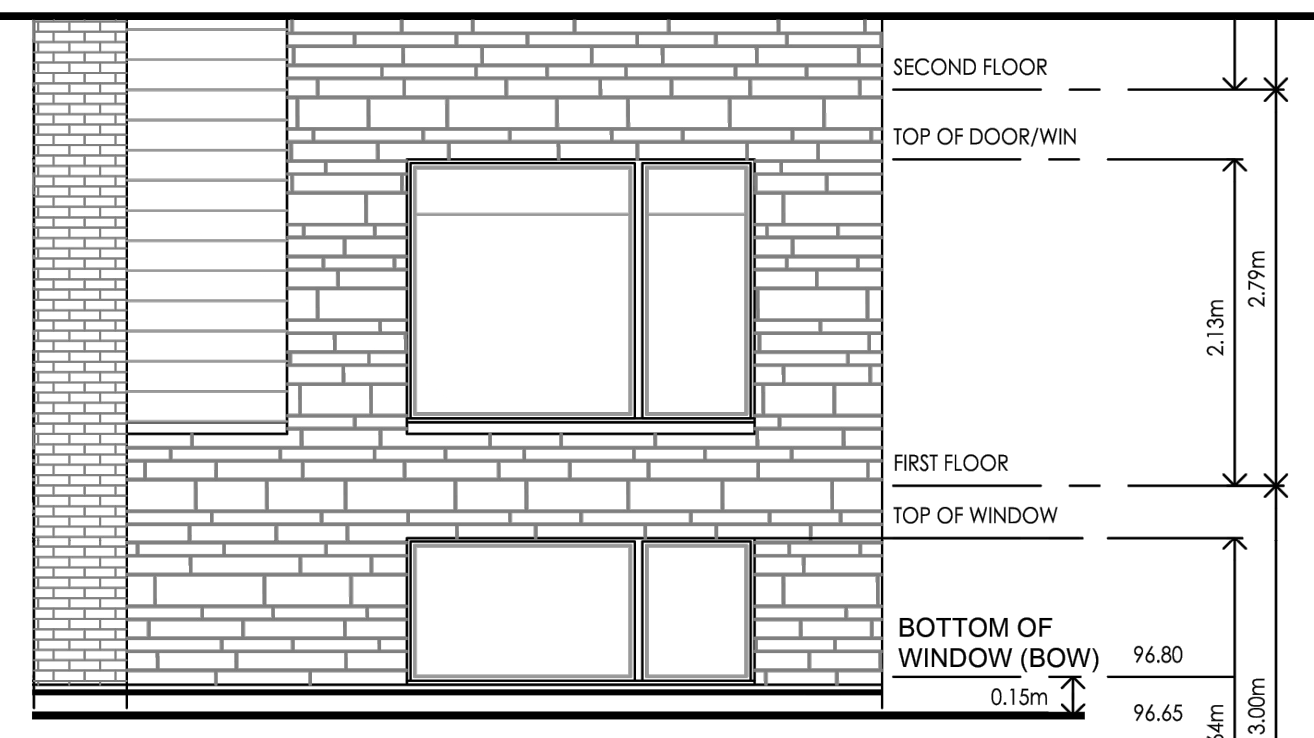
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PLOT DATE: August 9, 2023 11:30:38 AM  
 CITY FILE No. D07-12-22-011

CITY PLAN No. 18829



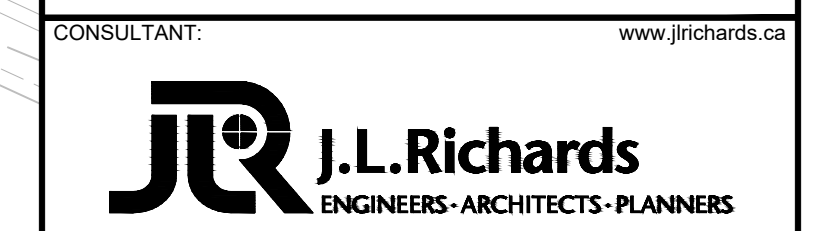
FREEBOARD IN CERTAIN LOCATIONS IS TAKEN FROM THE SPILL POINT ELEVATION OF THE PONDING AREA AND THE BUILDING OPENING. FOR THE MT UNITS THE WINDOW IS THE LOWEST OPENING FOR THE BLOCK. 0.15M SEPARATION BETWEEN BUILDING ENVELOPE AND WINDOW OPENING MUST BE MAINTAINED TO ENSURE FREEBOARD REQUIREMENTS ARE MET



- LEGEND**
- × 96.00 PROPOSED ELEVATION EXISTING GROUND (STANTEC SURVEY RECEIVED MARCH 29, 2022)
  - × 96.00 BOW INDICATES BOTTOM OF WINDOW ELEVATION
  - × 96.00 PROPOSED CIL ROAD HIGH POINT / LOW POINT
  - 1.5% PROPOSED TERRACING (MAX 3:1)
  - 1.5% SURFACE SLOPE
  - FLOW DIRECTION
  - MAJOR OVERLAND FLOW DIRECTION
  - FF = 97.64 FINISHED FLOOR ELEVATION
  - BOS = 94.24 BOTTOM OF GARAGE FLOOR SLAB
  - GCS = 94.34 GARAGE SLAB CEILING ELEVATION
  - TF = 94.24 TOP OF FOUNDATION ELEVATION
  - UF = 91.09 UNDERSIDE OF FOUNDATION ELEVATION
  - CONCRETE SURFACE (EXISTING)
  - CONCRETE RISERS
  - CURB AND DEPRESSED CURB
  - DC
  - BICYCLE RACK
  - BH#100-# BOREHOLE NUMBER
  - TP#100-# TEST PIT

No.	ISSUE / REVISION	DDMMYY
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23

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 SCALE: 1:500



PROJECT: ARCADIA STAGE 6  
 450 HUNTMAR DRIVE

DRAWING: GRADING PLAN

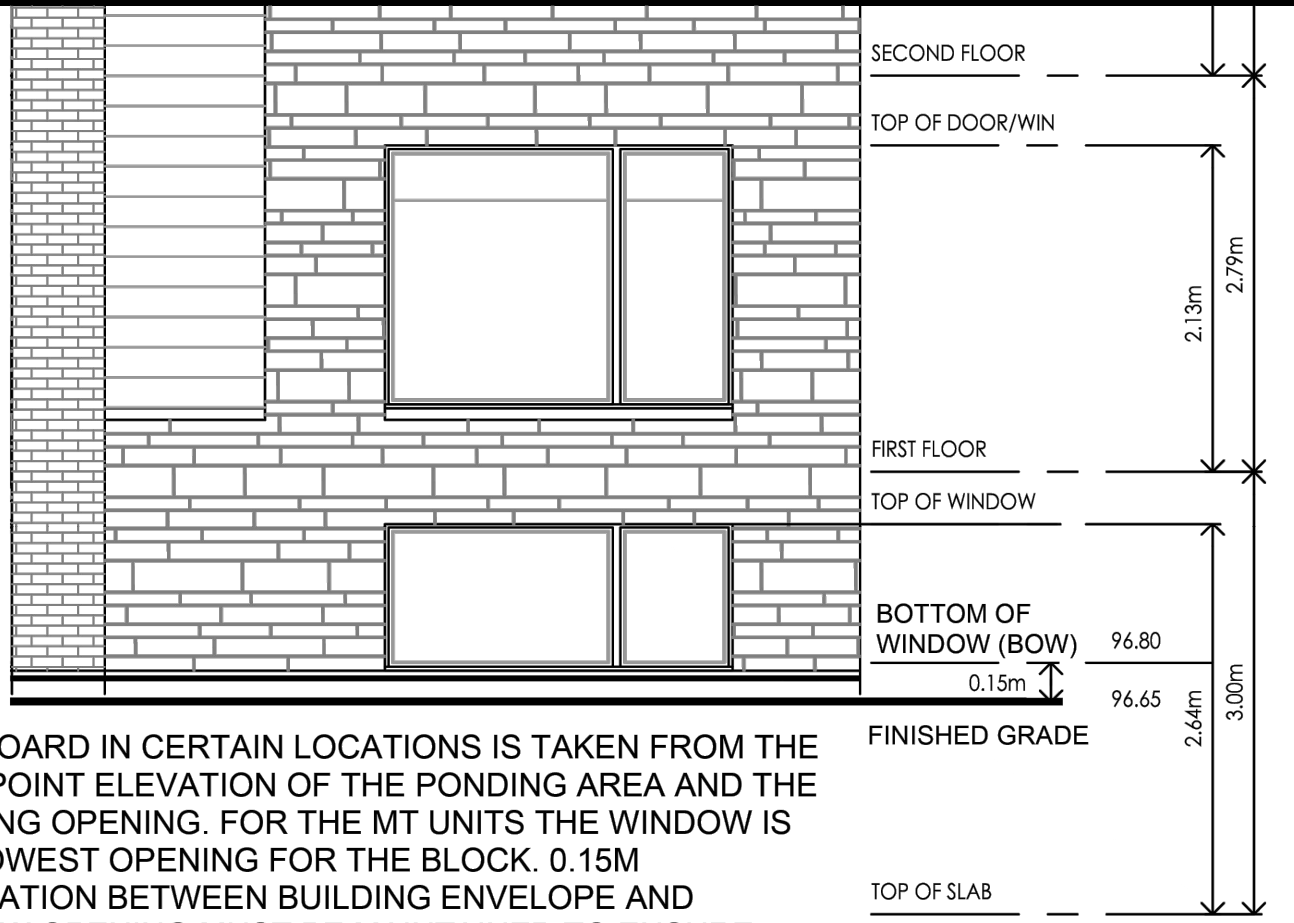
DESIGN: MM	DRAWING #:
DRAWN: KC	G2
CHECKED: LD	
JLR #: 26299-006	

*Allison Hamlin*  
 ALLISON HAMLIN  
 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
 By Allison Hamlin at 4:07 pm, Aug 28, 2023

File Location: P:\260000\26299-006 - Arcadia Stage 6\5-Production\IA-Civil\26299-006\_C GRADING.dwg

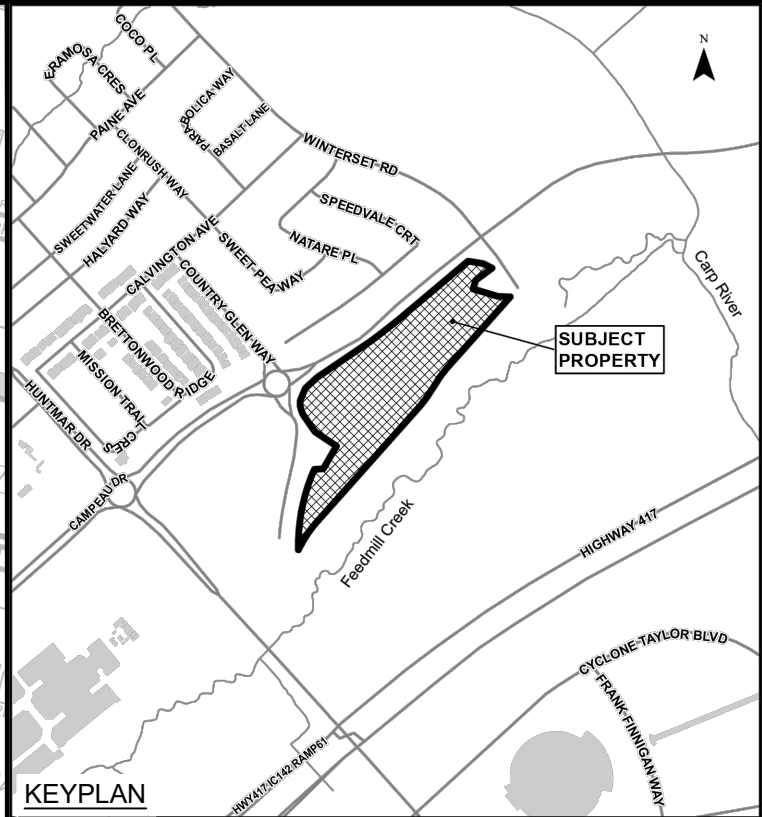
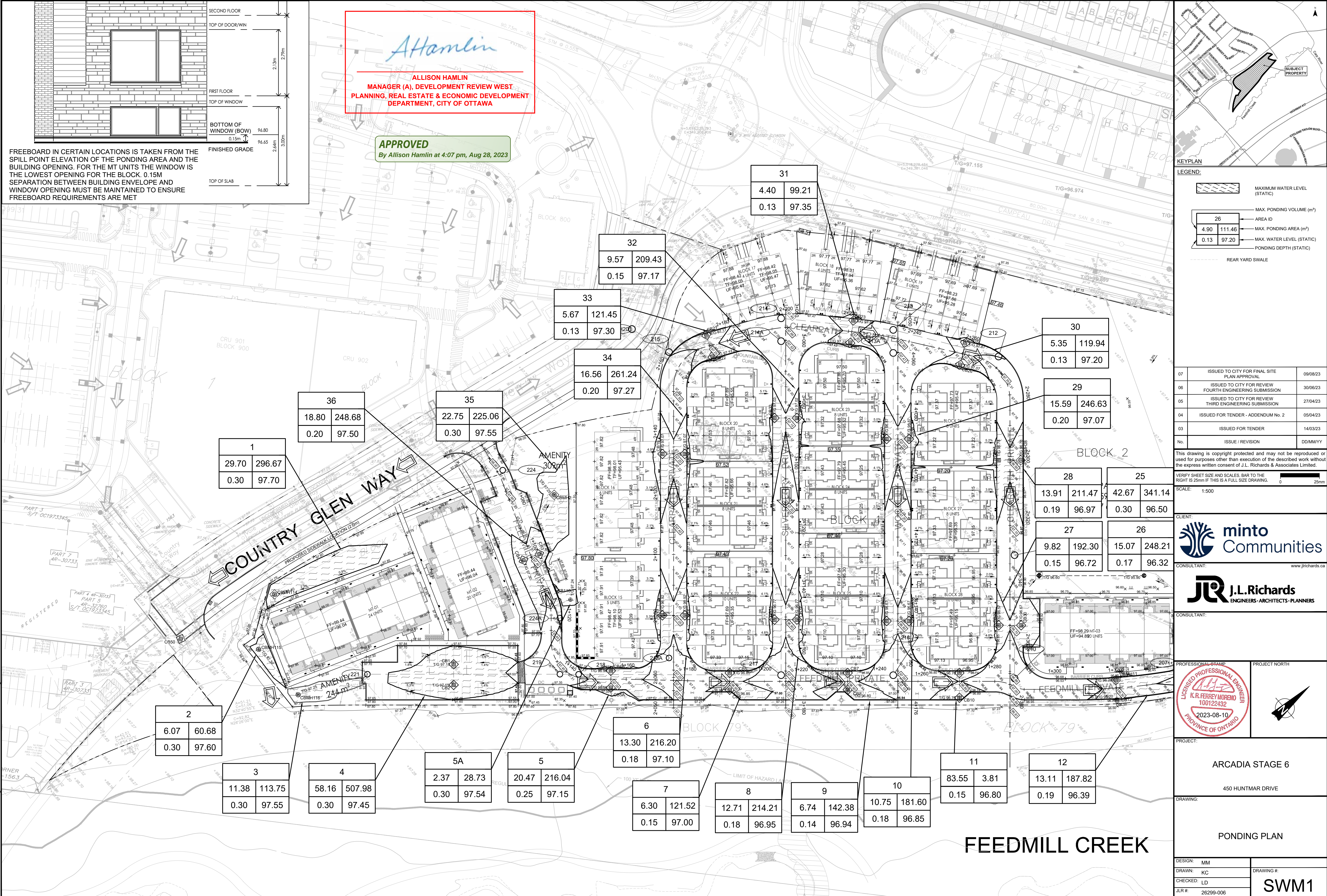
PLOT DATE: August 9, 2023 11:31:11 AM  
 CITY FILE No. D07-12-22-0111



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 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
 By Allison Hamlin at 4:07 pm, Aug 28, 2023



LEGEND:

	MAXIMUM WATER LEVEL (STATIC)
	MAX. PONDING VOLUME (m³)
26	AREA ID
4.90	MAX. PONDING AREA (m²)
0.13	MAX. WATER LEVEL (STATIC)
	PONDING DEPTH (STATIC)
	REAR YARD SWALE

07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
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04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23
No.	ISSUE / REVISION	DDMMYY

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 SCALE: 1:500

CLIENT:  
**minto Communities**

CONSULTANT:  
**J.L. Richards ENGINEERS - ARCHITECTS - PLANNERS**

CONSULTANT:

PROJECT NORTH

PROJECT:  
**ARCADIA STAGE 6**  
 450 HUNTMAR DRIVE

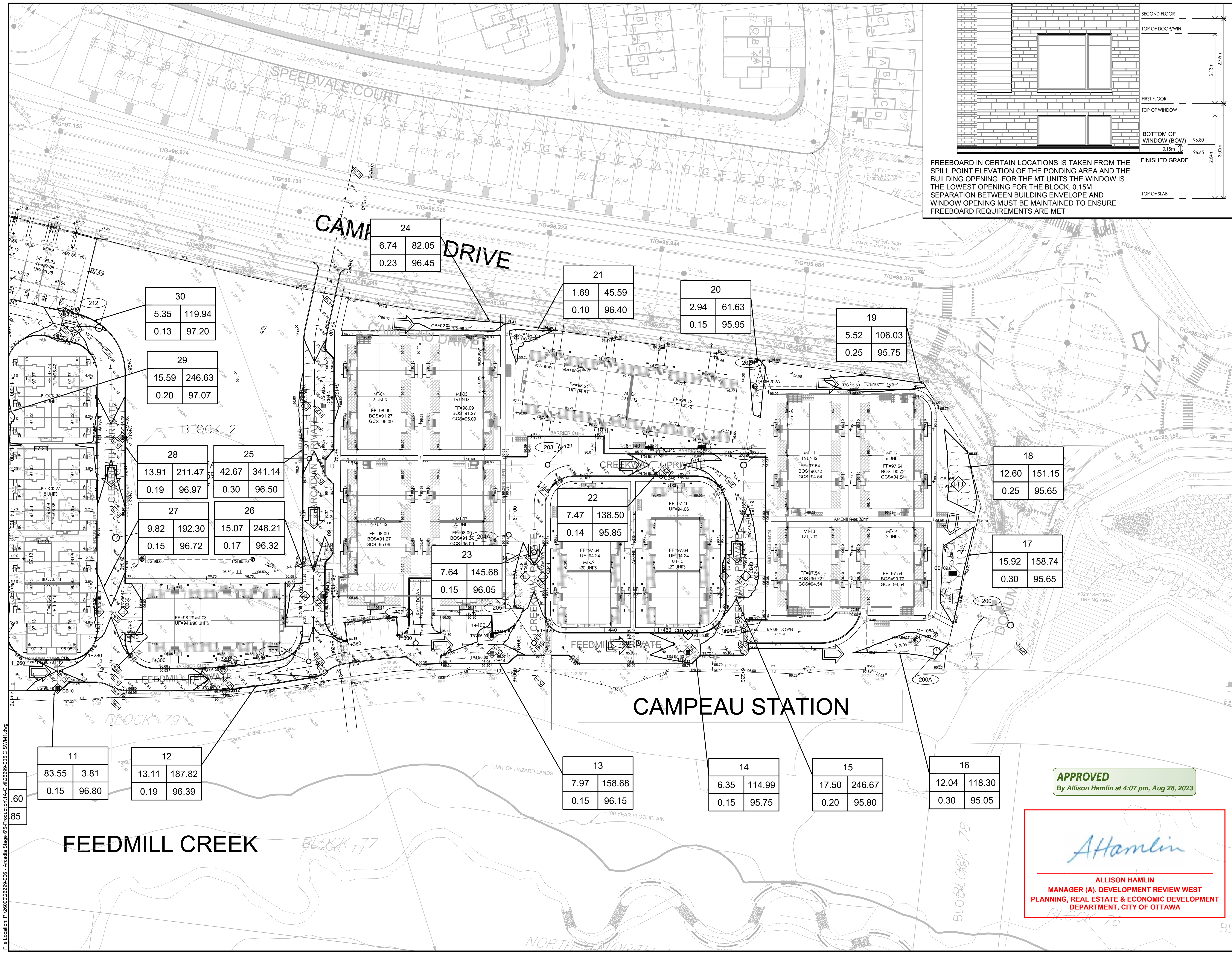
DRAWING:  
**PONDING PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>SWM1</b>
CHECKED: LD	
JLR #: 26299-006	

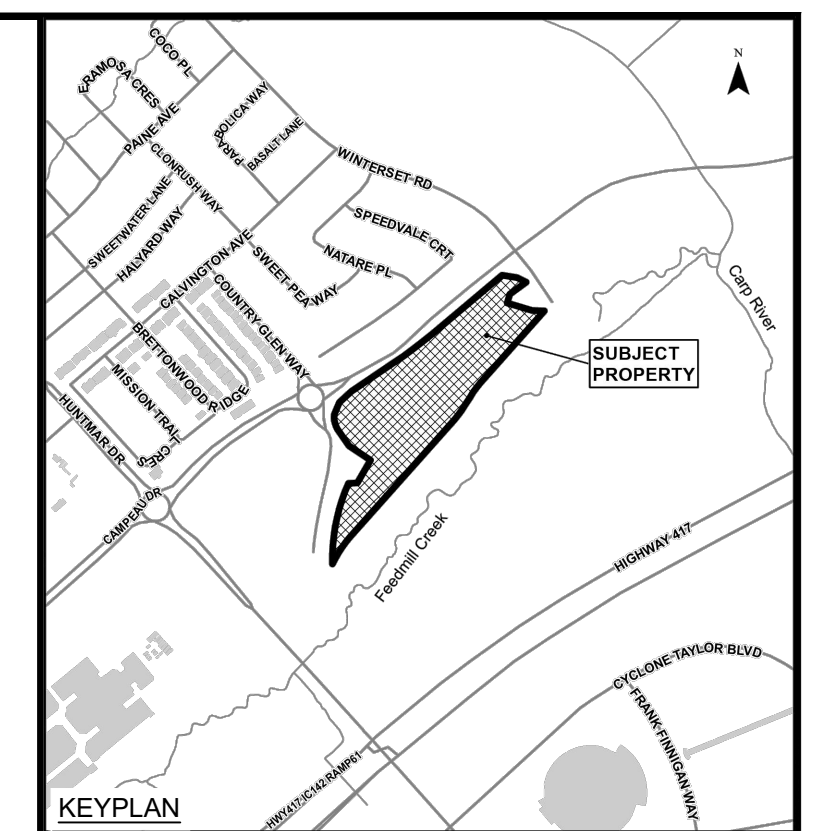
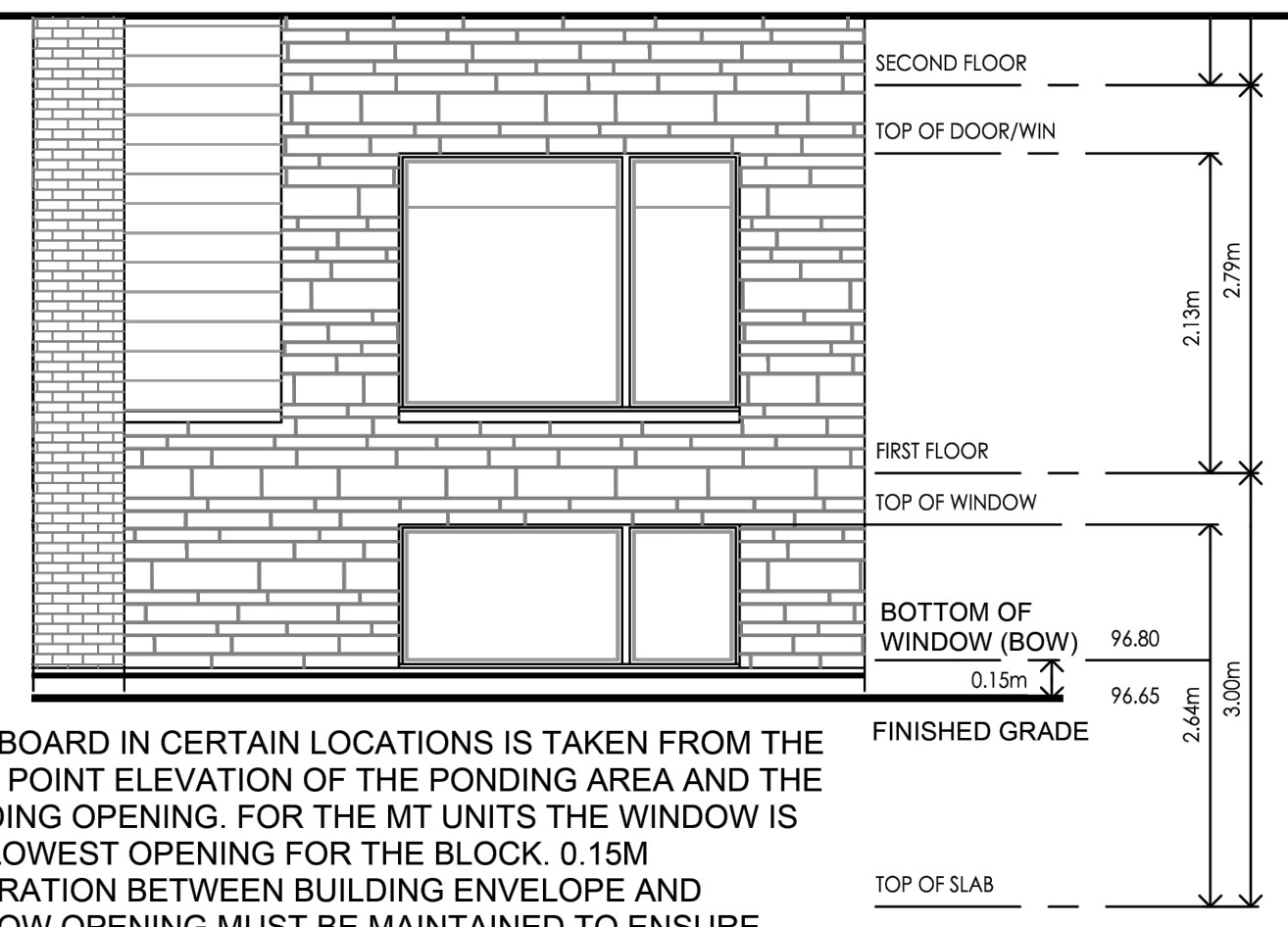
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PLOT DATE: August 9, 2023 11:32:22 AM  
 CITY FILE No. D07-12-22-011





FREEBOARD IN CERTAIN LOCATIONS IS TAKEN FROM THE SPILL POINT ELEVATION OF THE PONDING AREA AND THE BUILDING OPENING. FOR THE MT UNITS THE WINDOW IS THE LOWEST OPENING FOR THE BLOCK. 0.15M SEPARATION BETWEEN BUILDING ENVELOPE AND WINDOW OPENING MUST BE MAINTAINED TO ENSURE FREEBOARD REQUIREMENTS ARE MET



LEGEND:

	MAXIMUM WATER LEVEL (STATIC)
	MAX. PONDING VOLUME (m³)
	AREA ID
	MAX. PONDING AREA (m²)
	MAX. WATER LEVEL (STATIC)
	PONDING DEPTH (STATIC)
	REAR YARD SWALE

07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
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04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23
No.	ISSUE / REVISION	DDMMYY

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CLIENT:  
 minto Communities

CONSULTANT:  
 J.L. Richards ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:  
 (Blank)

PROFESSIONAL STAMP:  
  
 PROJECT NORTH

**APPROVED**  
 By Allison Hamlin at 4:07 pm, Aug 28, 2023

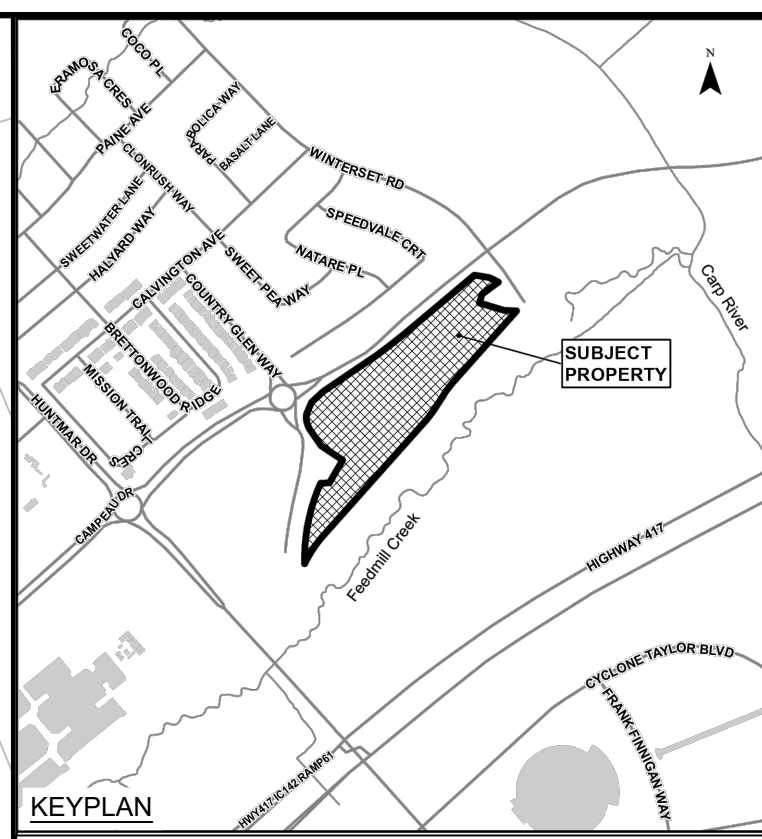
*Allison Hamlin*  
**ALLISON HAMLIN**  
 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

PROJECT:  
 ARCADIA STAGE 6  
 450 HUNTMAR DRIVE  
 DRAWING:  
 PONDING PLAN

DESIGN: MM  
 DRAWN: KC  
 CHECKED: LD  
 JLR #: 26299-006  
 DRAWING #:  
**SWM2**  
 CITY PLAN No. 18829

File Location: P:\26299-006 - Arcadia Stage 6 - Production\1A-Civil\26299-006\_C\_SWM1.dwg

PLOT DATE: August 9, 2023 11:32:55 AM  
 CITY FILE No. D07-12-22-011



**LEGEND:**

- STM DA BOUNDARY
- PROPOSED STORM SEWER & MANHOLE
- POPULATION SINGLE FAMILY: 3.4 PERS/UNIT
- TOWHOUSE (ROW): 2.7 PERS/UNIT
- AREA IN HECTARES
- RUNOFF COEFFICIENT
- PIPE REACH UPSTREAM MAINTENANCE HOLE TO DOWNSTREAM MAINTENANCE HOLE
- \*AS PER 2018 BSUEA MSS

07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23
No.	ISSUE / REVISION	DDMMYY

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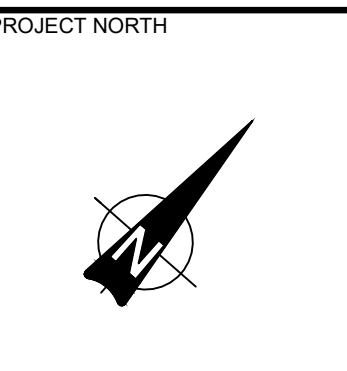
SCALE: 1:1000

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP



**APPROVED**  
By Allison Hamlin at 4:07 pm, Aug 28, 2023

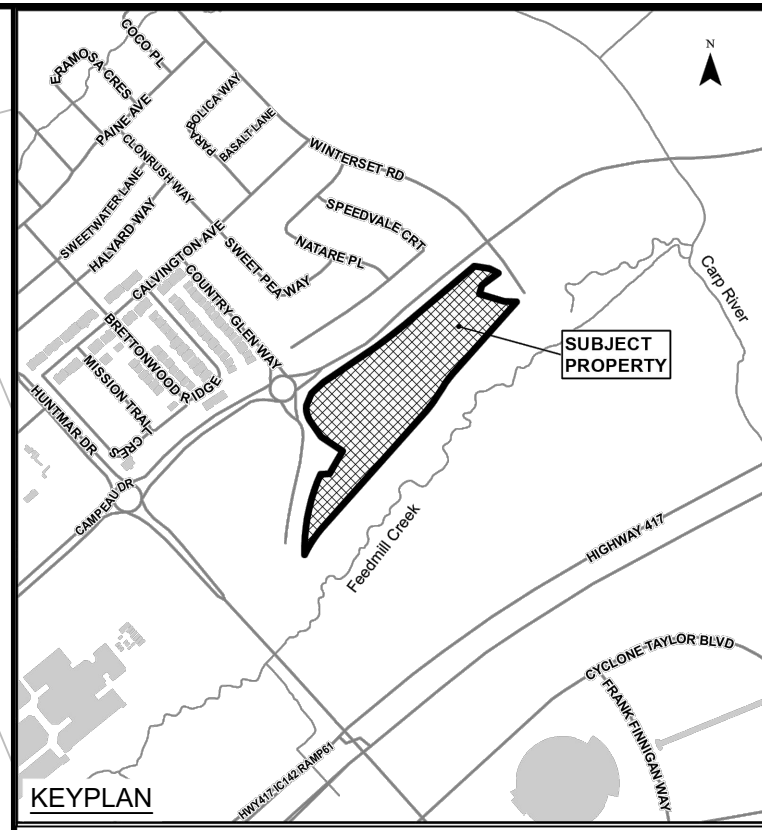
*Allison Hamlin*

**ALLISON HAMLIN**  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
DEPARTMENT, CITY OF OTTAWA

PROJECT:	ARCADIA STAGE 6
	450 HUNTMAR DRIVE
DRAWING:	STORM DRAINAGE PLAN
DESIGN:	MM
DRAWN:	KC
CHECKED:	LD
JLR #:	26299-006
DRAWING #:	<b>DST</b>

File Location: P:\2020\02\26299-006 - Arcadia Stage 6\5-Production\TA-Civil\26299-006 C.DST.dwg

PLOT DATE: August 9, 2023 11:24:03 AM  
CITY FILE No. D07-12-22-0111  
CITY PLAN No. 18829



**LEGEND:**

- SAN DA BOUNDARY
- A AREA IN HECTARES
- MH/MBH PIPE REACH UPSTREAM MAINTENANCE HOLE TO DOWNSTREAM MAINTENANCE HOLE
- C P POPULATION
- NUMBER OF UNITS

POPULATION  
 SINGLE FAMILY: 3.4 PERS/UNIT  
 TOWHOUSE (ROW): 2.7 PERS/UNIT

○ PROPOSED SANITARY SEWER & MANHOLE

07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23
No.	ISSUE / REVISION	DDMMYY

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SCALE: 1:1000

CLIENT:

CONSULTANT:

J.L. Richards  
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROJECT NORTH

**APPROVED**  
 By Allison Hamlin at 4:07 pm, Aug 28, 2023

**ALLISON HAMLIN**  
 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

PROJECT: ARCADIA STAGE 6

450 HUNTMAR DRIVE

DRAWING: SANITARY DRAINAGE PLAN

DESIGN: MM	DRAWING #:
DRAWN: KC	DSAN
CHECKED: LD	
JLR #: 26299-006	CITY PLAN No. 18829

File Location: P:\2000\026299-006 - Arcadia Stage 6\5-Production\TA-Civil\26299-006 C.DSAN.dwg

PLOT DATE: August 9, 2023 11:56:07 AM  
 CITY FILE No. D07-12-22-0111

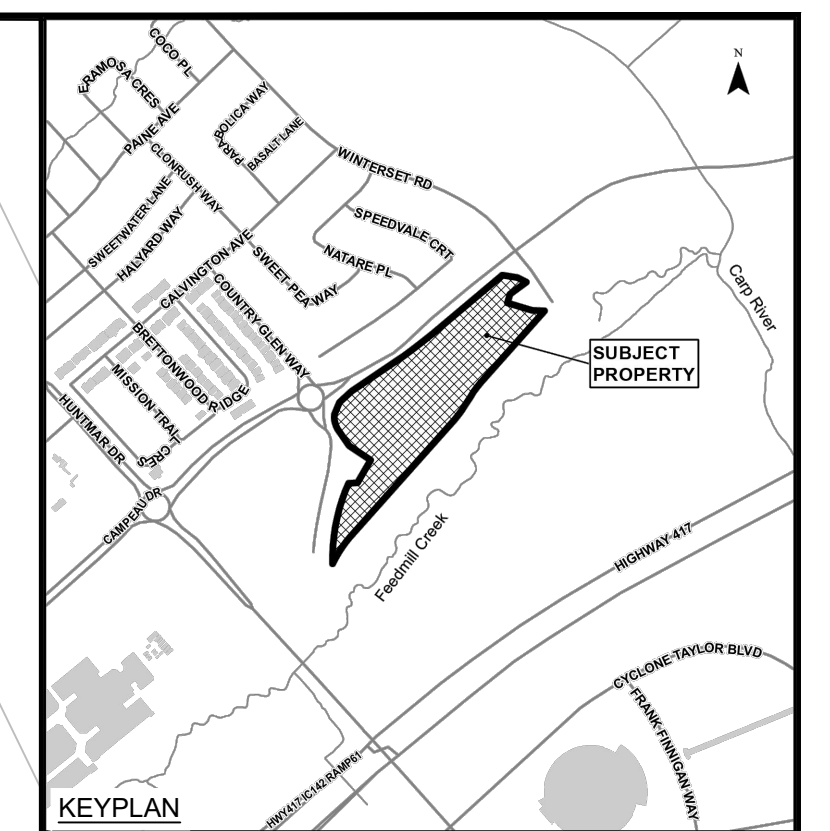
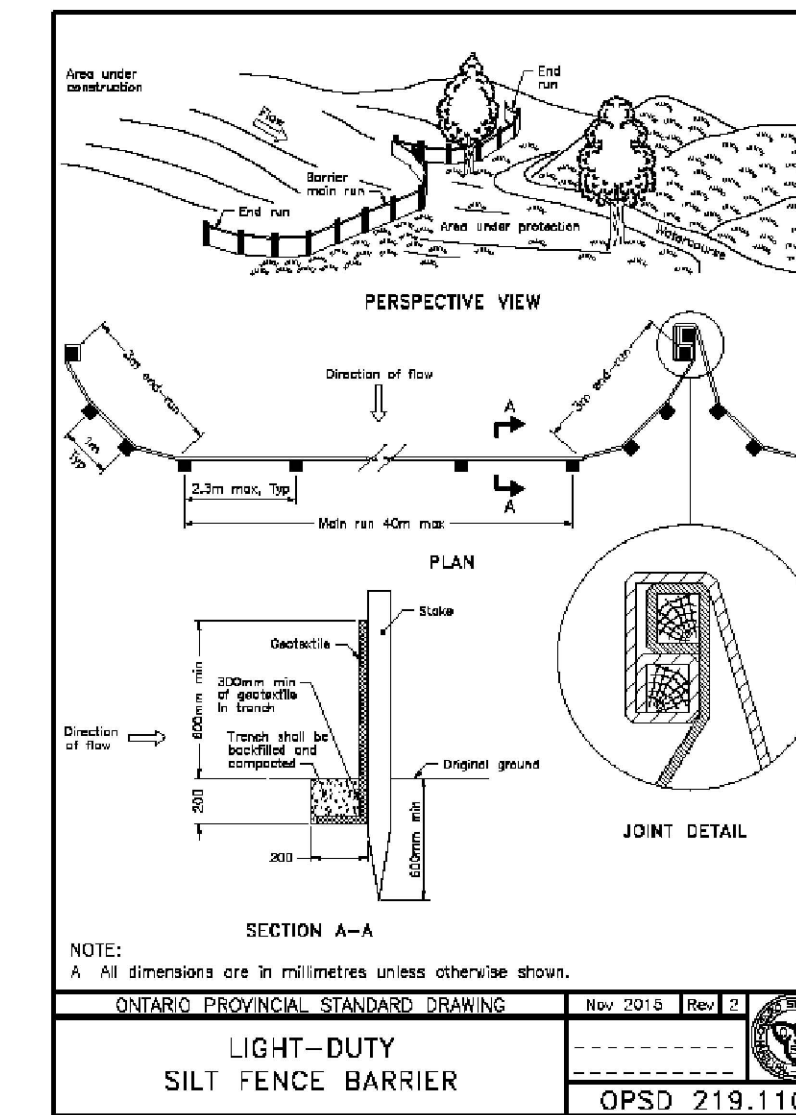
**EROSION AND SEDIMENTATION CONTROL SYSTEM (ESCS) REQUIREMENTS**

PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR IS REQUIRED TO CONSTRUCT AN EROSION AND SEDIMENTATION CONTROL SYSTEM (ESCS) ON-SITE (IN ADDITION TO THE PROPOSED MEASURES DEPICTED ON THIS DRAWING) TO CONVEY RAINWATER AND/OR PUMPED WATER PRIOR TO ITS DISCHARGE TO THE SURFACE AND/OR TO ANY NATURAL WATER COURSE AND/OR TO ANY EXISTING SEWER SYSTEM. THE CONTRACTOR SHALL CONSTRUCT THE ESCS IN SUCH A WAY AS TO ENSURE THAT THE QUALITY OF THE DISCHARGED PUMP WATER DOES NOT EXCEED THE MORE STRINGENT CRITERIA OF EITHER THE ALLOWABLE TSS CONCENTRATION LIMITS SPECIFIED IN THE PTTW OR 25 MG/L AT ANY TIME.

THE CONTRACTOR SHALL CONSTRUCT AN ESCS TO ACHIEVE THE TURBIDITY AND TSS REMOVAL CRITERIA, REGULARLY MONITOR AND MAINTAIN IT TO ENSURE ONGOING COMPLIANCE. THE CONTRACTOR SHALL TAKE WATER SAMPLES AT THE OUTLET OF THE ESCS TO ENSURE THAT THE TURBIDITY AND TSS REMOVAL CRITERIA ARE MET IN ACCORDANCE WITH CITY OF OTTAWA S.P. NO. F-1004. IF THE ANALYTICAL RESULTS ARE LESS THAN PRESCRIBED CRITERIA, THEN THE CONTRACTOR MAY BEGIN DEWATERING PROVIDED THAT THE QUALITY OF THE WATER REMAINS SUBSTANTIALLY THE SAME AS THE INITIAL MEASURED SAMPLE. SUBSEQUENT WATER SAMPLES SHALL ALSO BE COLLECTED IN ACCORDANCE WITH CITY OF OTTAWA S.P. NO. F-1004.

**NOTES:**

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO WORK AND MAINTAINED DURING THE WORK PHASE BY THE GENERAL CONTRACTOR TO PREVENT ENTRY OF SEDIMENT INTO THE RECEIVING STREAM. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY BY THE GENERAL CONTRACTOR TO ENSURE THAT THEY ARE FUNCTIONING PROPERLY AND ARE BEING MAINTAINED AND/OR UPGRADED AS REQUIRED. IF THE SEDIMENT AND EROSION CONTROL MEASURES ARE NOT FUNCTIONING PROPERLY, NO FURTHER WORK SHALL OCCUR UNTIL THE PROBLEM HAS BEEN ADDRESSED AND RECTIFIED.
2. ALL MATERIALS AND EQUIPMENT USED FOR THE PURPOSE OF SITE PREPARATION AND PROJECT COMPLETION SHALL BE OPERATED AND STORED IN A MANNER THAT PREVENTS ANY DELETERIOUS SUBSTANCES (I.E. PETROLEUM PRODUCTS, SILT, ETC.) FROM ENTERING THE RECEIVING STREAM.
3. VEHICLE AND EQUIPMENT RE-FUELLING AND MAINTENANCE SHALL BE CONDUCTED AWAY FROM DRAINAGE CHANNELS IN A CONTROLLED MANNER TO PREVENT FUEL SPILLAGE.
4. ANY PART OF EQUIPMENT ENTERING DRAINAGE CHANNELS SHALL BE FREE OF FLUID LEAKS AND EXTERNALLY CLEANED/DEGREASED TO PREVENT ANY DELETERIOUS SUBSTANCES FROM ENTERING THE WATER.
5. STOCKPILED MATERIALS SHOULD BE STORED AND STABILIZED AWAY FROM THE WATER.
6. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY SITE INSPECTOR, ENGINEER AND/OR THE LOCAL CONSERVATION AUTHORITY.
7. INSPECTIONS AND REPAIR OF SEDIMENT AND EROSION CONTROLS WILL BE CONDUCTED AS SOON AS POSSIBLE FOLLOWING ANY RAIN EVENTS.
8. WORKS WILL NOT BE CONSIDERED COMPLETE UNTIL ALL SEDIMENT CONTROLS ARE REMOVED.
9. STRAW BALE BARRIERS OR EQUIVALENT SHOULD BE PLACED AT WATER DISCHARGE POINTS TO PREVENT EROSION AND SEDIMENT RELEASE.
10. ONLY MATERIAL FREE OF FINE PARTICULATE MATTER SHOULD BE PLACED IN THE WATER.
11. ALL MATERIALS AND EQUIPMENT USED FOR THE PURPOSE OF SITE PREPARATION AND PROJECT COMPLETION SHOULD BE OPERATED AND STORED IN A MANNER THAT PREVENTS ANY DELETERIOUS SUBSTANCE FROM ENTERING THE WATER.
12. ALL EQUIPMENT OPERATING NEAR THE WATER SHOULD BE EQUIPPED WITH A SPILL KIT.
13. ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO THE WATERCOURSE SHOULD BE IMMEDIATELY REPORTED TO THE ENGINEER. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
14. ALL SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED AND CONSTRUCTED PER OPSS AND OPSD. SILT FENCE SHALL BE TO OPSD 219.110.
15. A MUD MAT IS TO BE BUILT WHERE SHOWN TO PREVENT THE TRANSPORT OF SEDIMENT ONTO PAVED SURFACES. THE MUD MAT SHALL BE:
  - MINIMUM OF 20 METRES IN LENGTH FOR THE FULL WIDTH OF THE ENTRANCE WAY (10M WIDE MIN.);
  - MINIMUM OF 400 MM THICK UNDERLAIN WITH A GEOTEXTILE (OR GRADED AGGREGATE FILTER)
  - CONSTRUCTED WITH 50 MM DIAMETER CLEAR STONE FOR THE FIRST 10 METRES (EXTENDING FROM THE PAVED STREET) AND THE REMAINDER OF THE LENGTH WITH 150 MM DIAMETER CLEAR STONE



**LEGEND:**

- PROPOSED SILT FENCE
- ▨ PROPOSED MUD MAT
- △ FILTER CLOTH FOR EXISTING STRUCTURE

07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
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04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23
No.	ISSUE / REVISION	DDMMYY

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SCALE: 1:1000

CLIENT:

CONSULTANT:

PROFESSIONAL STAMP:

PROJECT:

ARCADIA STAGE 6

450 HUNTMAR DRIVE

DRAWING:

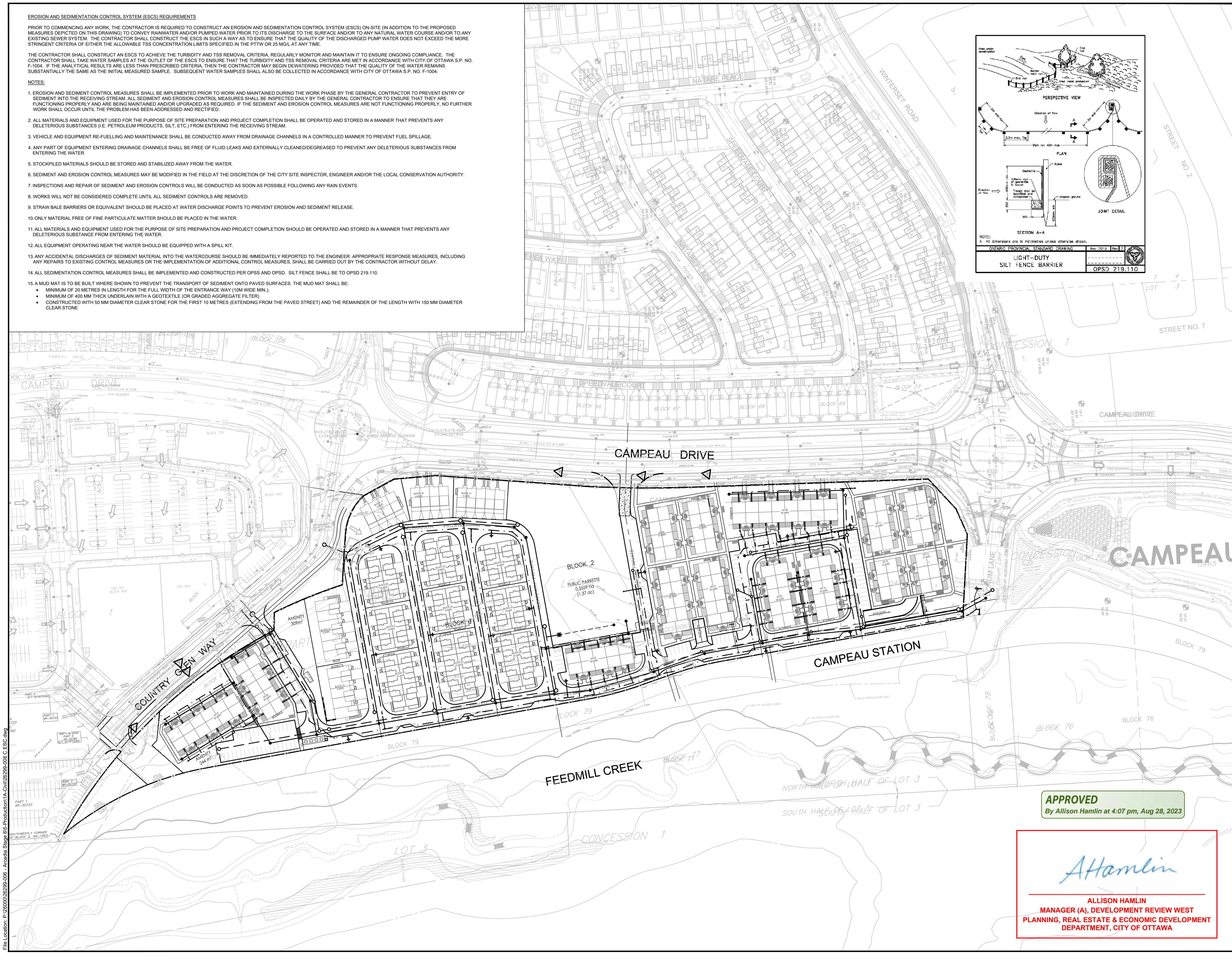
EROSION AND SEDIMENT CONTROL PLAN

DESIGN: MM	DRAWING #:
DRAWN: KC	ESC
CHECKED: LD	
JLR #: 26299-006	

**APPROVED**  
By Allison Hamlin at 4:07 pm, Aug 28, 2023

*All Hamlin*

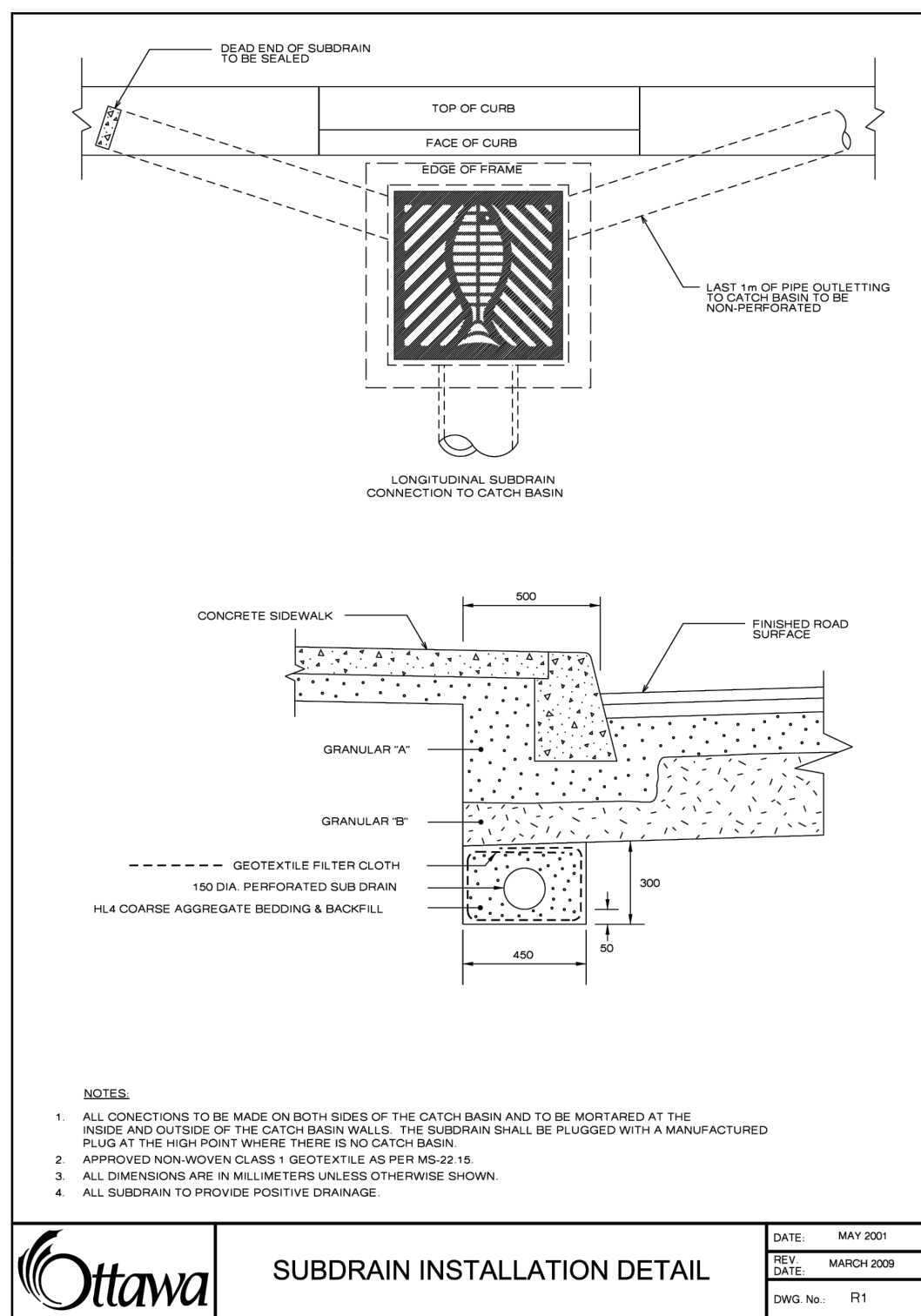
**ALLISON HAMLIN**  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
DEPARTMENT, CITY OF OTTAWA



File Location: P:\26299-006 - Arcadia Stage 6\5-Production\1A-Civil\26299-006\_C ESC.dwg

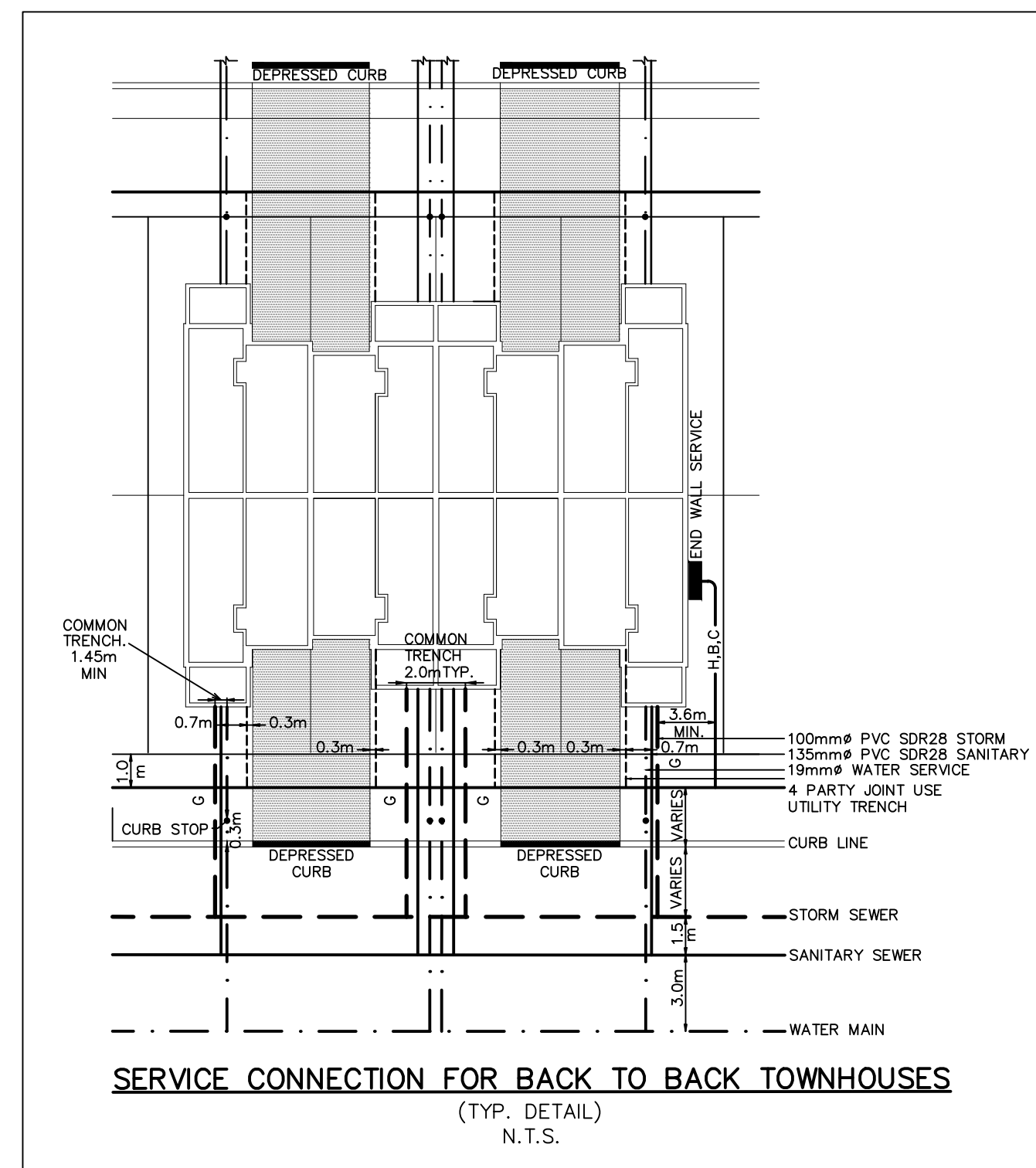
PLOT DATE: August 9, 2023 11:36:17 AM  
CITY FILE No. D07-12-22-011

CITY PLAN No. 18829

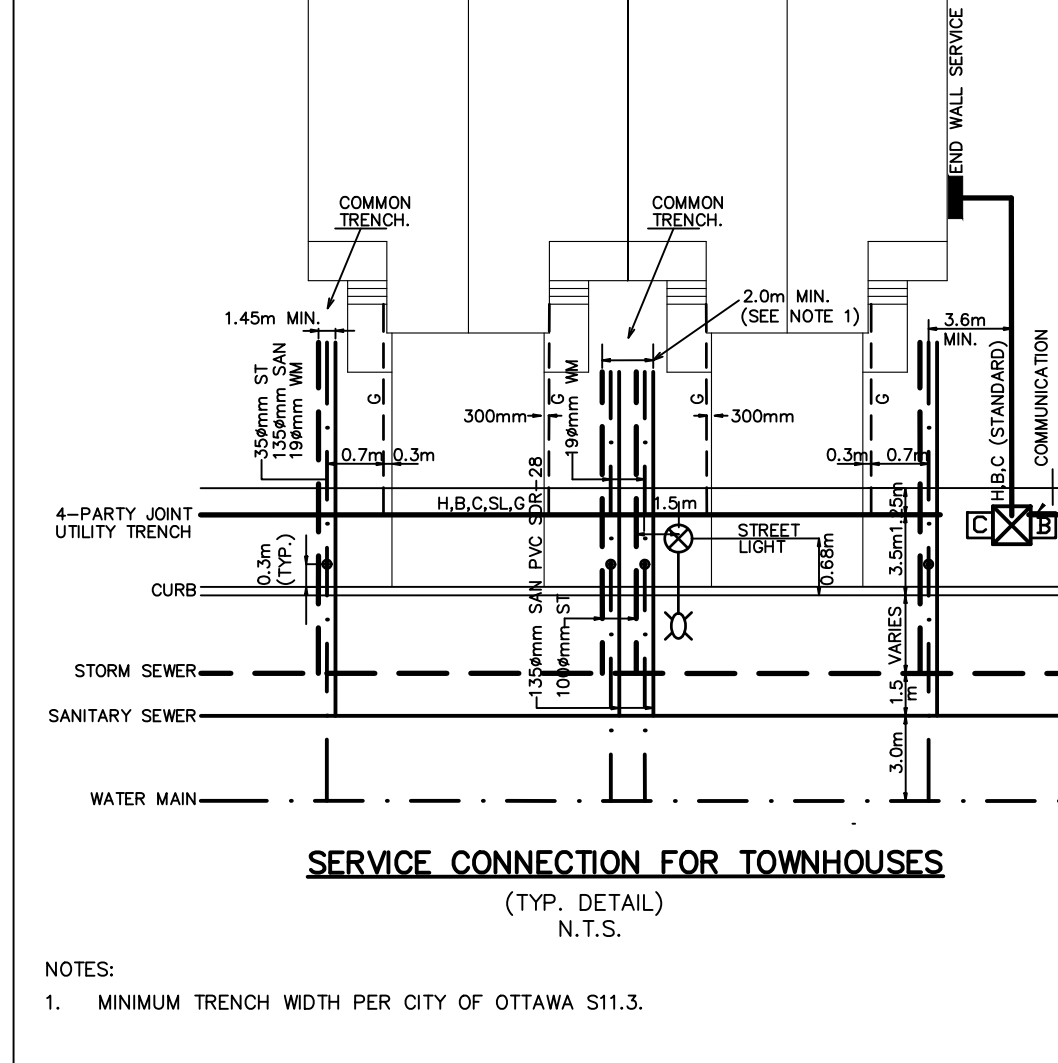


**SUBDRAIN INSTALLATION DETAIL**

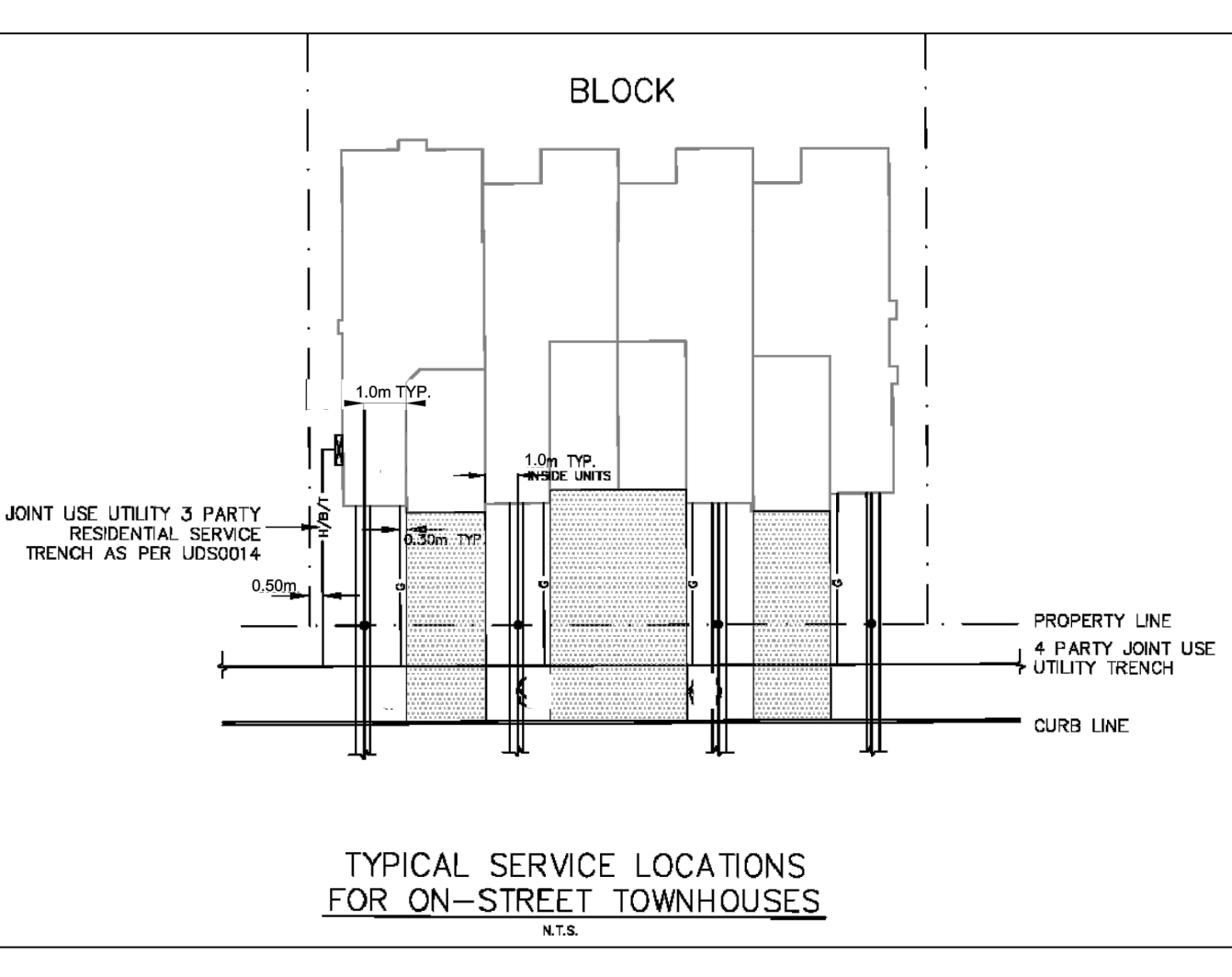
DATE	MAY 2007
REV.	MARCH 2008
DWG. No.	RI



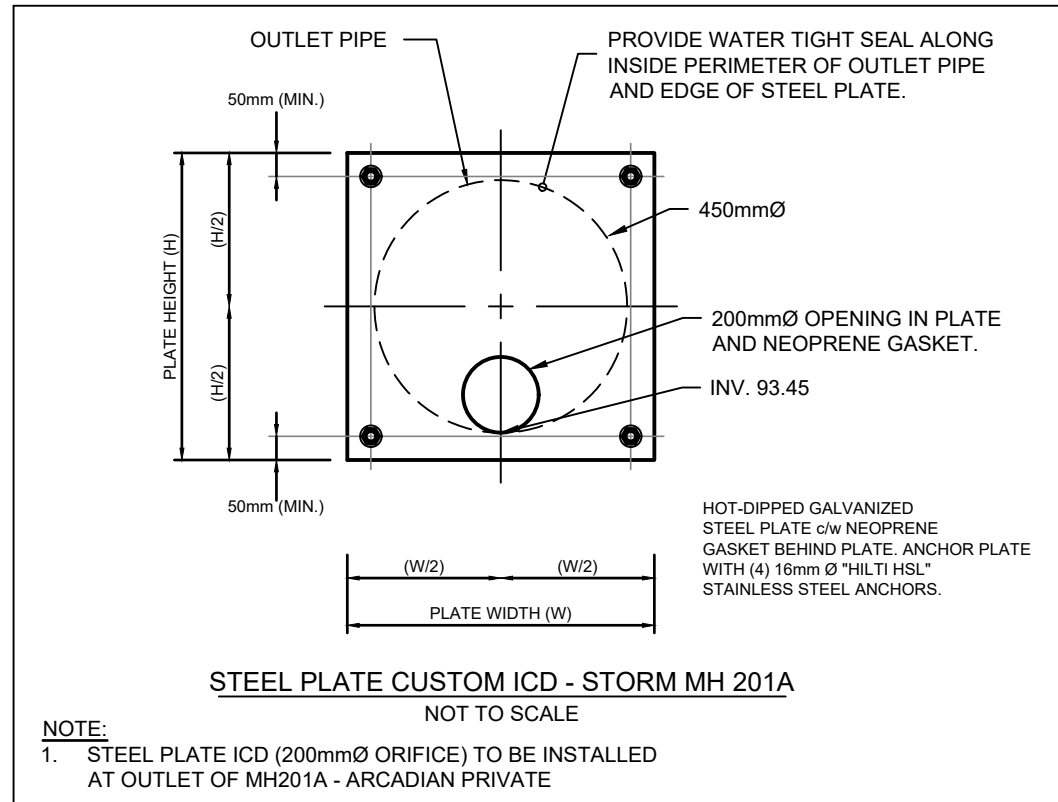
**SERVICE CONNECTION FOR BACK TO BACK TOWNHOUSES (TYP. DETAIL) N.T.S.**



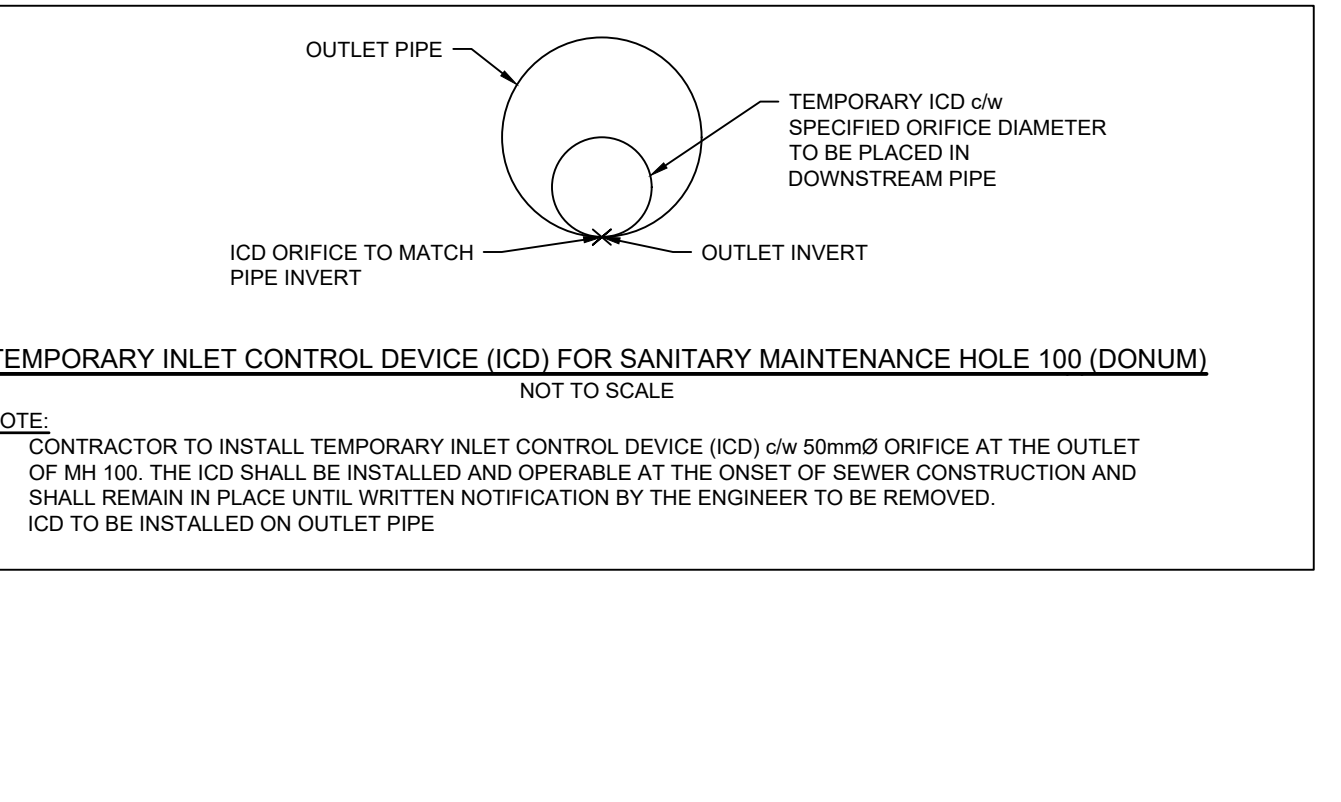
**SERVICE CONNECTION FOR TOWNHOUSES (TYP. DETAIL) N.T.S.**



**TYPICAL SERVICE LOCATIONS FOR ON-STREET TOWNHOUSES N.T.S.**



**STEEL PLATE CUSTOM ICD - STORM MH 201A NOT TO SCALE**



**TEMPORARY INLET CONTROL DEVICE (ICD) FOR SANITARY MAINTENANCE HOLE 100 (DONUM) NOT TO SCALE**

NOTE:  
 1. CONTRACTOR TO INSTALL TEMPORARY INLET CONTROL DEVICE (ICD) w/ 50mm Ø ORIFICE AT THE OUTLET OF MH 100. THE ICD SHALL BE INSTALLED AND OPERABLE AT THE ONSET OF SEWER CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL WRITTEN NOTIFICATION BY THE ENGINEER TO BE REMOVED.  
 2. ICD TO BE INSTALLED ON OUTLET PIPE

STREET	CB ID Number	T/G	INLET			OUTLET			Restricted Flow (L/s)	ICD TYPE		
			Pipe Dia. (mm)	Material	Pipe Length (m)	Pipe Dia. (mm)	Material	Pipe Length (m)				
BLOCK MT-12	CB108	95.40	-	-	-	375	HDPE	27.81	93.51	25.00	MHF IPEX TYPE A	
	CB109	95.35	375	HDPE	27.81	93.23	375	HDPE	19.61	93.23	24.00	MHF IPEX TYPE A
	CB107	95.50	-	-	-	300	PVC	33.61	93.93	39.00	MHF IPEX TYPE C	
	CBMH202A	95.80	300	PVC	33.61	93.77	300	PVC	24.48	93.77	-	NO ICD
BLOCK MT-5	CBMH104	94.75	-	-	-	375	HDPE	3.43	92.81	32.00	MHF IPEX TYPE B	
	CB102	96.22	-	-	-	250	PVC	21.32	94.55	-	NO ICD	
AMENITY	CBMH103	96.30	250	PVC	21.32	94.34	375	PVC	60.98	94.34	-	NO ICD
	CBMH2	97.25	-	-	-	300	PVC	12.74	95.45	24.00	MHF IPEX TYPE A	
BLOCK 2	CBMH114	97.40	-	-	-	300	PVC	18.66	95.13	36.00	MHF IPEX TYPE B	
	CBMH115	97.30	300	PVC	18.66	95.07	300	PVC	19.63	95.07	-	NO ICD
	CBMH116	97.25	300	PVC	19.63	95.00	300	PVC	23.51	95.00	-	NO ICD
	CB111	95.90	-	-	-	200	PVC	34.15	95.00	-	NO ICD	
BLOCK 1	PARK ST	96.60	-	-	-	250	PVC	8.00	94.70	58.00	CUSTOM 142 mm ICD	
	CB110	97.24	-	-	-	200	PVC	5.35	94.79	-	NO ICD	

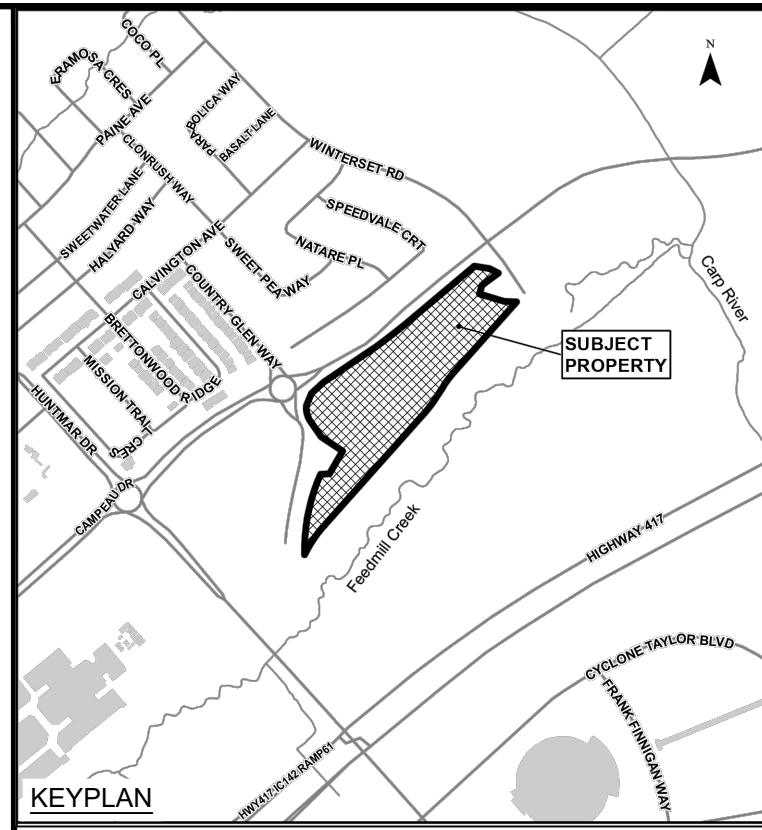
*Allan Hamlin*

**ALLISON HAMLIN**  
 MANAGER (A), DEVELOPMENT REVIEW WEST  
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
 DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
 By Allison Hamlin at 4:08 pm, Aug 28, 2023

- NOTES:**
- THE STANDARD ROW CROSS SECTIONS INDICATE MINIMUM DIMENSIONS THAT ARE TO BE INCORPORATED INTO THE DESIGN OF ANY NEW DEVELOPMENTS INVOLVING NEW AND EXISTING STREETS. ANY VARIATIONS TO THE STANDARD ROW CROSS SECTIONS ARE SUBJECT TO THE INFRASTRUCTURE SERVICES DEVIATION PROCESS. CONTACT THE STANDARDS UNIT AT STANDARDSSECTION@OTTAWA.CA FOR MORE INFORMATION.
  - ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH APPLICABLE CITY STANDARDS, GUIDELINES, AND POLICES, INCLUDING COORDINATED UTILITY PLANS, GRADING PLANS AND LOCAL AREA PLANS. REFER ALSO TO UTILITY PARTNER STANDARD PLANT LOCATIONS.
  - ALL CROSS SECTIONS MAY BE SUBJECT TO SUBSEQUENT TRAFFIC CALMING MEASURES, TO BE DETERMINED THROUGH PLAN OF SUBDIVISION OR SEPARATE TRANSPORTATION STUDIES.
  - TYPICAL CROSS SECTION BOULEVARD WIDTH SHALL BE MAINTAINED WHEN CONSTRUCTING CUL-DE-SACS AND CORNER LOTS, REGARDLESS OF ROADWAY GEOMETRY.
  - WATERMANS, WATER SERVICES, AND ASSOCIATED APPURTENANCES SHALL BE CONSTRUCTED PER THE WATER DESIGN GUIDELINES.
  - WATERMAIN AND HYDRANTS TO BE INSTALLED ON SOUTH AND EAST SIDE OF ROW, WHERE POSSIBLE.
  - SEWERS AND SEWER SERVICES SHALL BE CONSTRUCTED PER THE SEWER DESIGN GUIDELINES.
  - IN-ROAD CATCH BASINS SHALL ONLY BE USED ON RESIDENTIAL ROADS WITHOUT BUS TRAFFIC OR AS OTHERWISE DIRECTED BY THE SEWER DESIGN GUIDELINES.
  - BARRIER CURB SHALL BE USED ON ALL RESIDENTIAL ROADS WITH SINGLE FAMILY DWELLINGS. MOUNTABLE CURB MAY ONLY BE USED FOR AREAS WITH FREQUENT CURB-CUTS, SUCH AS TOWNHOME DEVELOPMENTS, WITH APPROVAL FROM THE CITY.
  - WATER AND SEWER SERVICES SHALL BE LAID AS PER CITY STANDARD DETAIL DRAWINGS. THE COORDINATED UTILITY PLAN, AND IN COORDINATION WITH ALL OTHER ELEMENTS IN THE ROW, WHERE LOCATING WATER AND SEWER SERVICES UNDERNEATH LANDSCAPED AREAS WOULD PREVENT THE PLANTING OF A TREE, THEY MAY BE RUN UNDERNEATH THE DRIVEWAY OR OTHER HARDSCAPED AREAS.
  - MINIMUM 1.5 M CLEARANCE, AT-GRADE, TO BE MAINTAINED AROUND WATER SERVICE POST FROM TREE, TRANSFORMER, UTILITY PEDESTAL, TRAFFIC POLE, AND STREETLIGHT.
  - UTILITY PEDESTALS ARE TO BE GROUPED TOGETHER WITH THE HYDROELECTRIC TRANSFORMER, OR ON THE HOUSE SIDE OF THE UTILITY TRENCH.
  - STREETLIGHT CABLE SHALL BE LOCATED IN JOINT USE TRENCH (JUT), WHERE NO JUT EXISTS, ENSURE CLEARANCES TO TREE, HYDRANTS, AND WATER SERVICE POST.
  - TRAFFIC SIGNAL CABLE SHALL BE LOCATED IN THE JUT OR AT THE SAME OFFSET AS STREETLIGHT POLES IN A SEPARATE TRENCH.
  - TRAFFIC COMMUNICATIONS CABLE SHALL BE LOCATED IN THE JUT OR IN A TRENCH LOCATED AT THE SAME OFFSET AS THE STREETLIGHT POLES.
  - THE PREFERRED LOCATION FOR TRAFFIC HANDHOLES IS IN HARD SURFACES. WHEN HANDHOLES ARE PLACED IN THE BOULEVARD, A CONCRETE COLLAR SHALL BE PROVIDED.
  - THE DEVELOPER SHALL SUPPLY AND INSTALL DUCTS FOR UTILITY CROSSINGS AT INTERSECTIONS.
  - TREE PLACEMENT, NUMBER, AND SPECIES SHALL BE PER CITY POLICY, THE LANDSCAPE PLAN, COORDINATED-UTILITY-PLAN, AND THE DEVELOPMENT AGREEMENTS.
  - THE HYDRO TRANSFORMER BASE SHALL BE LOCATED A MINIMUM OF 2.0 M FROM THE DRIVEWAY EDGE.

**Ottawa** TITLE: STANDARD NOTES ROAD ALLOWANCE DATE: MAR 2009  
 REV: SEPT 2022  
 DWG No: ROW-NOTES



07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	09/08/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
05	ISSUED TO CITY FOR REVIEW THIRD ENGINEERING SUBMISSION	27/04/23
04	ISSUED FOR TENDER - ADDENDUM No. 2	05/04/23
03	ISSUED FOR TENDER	14/03/23
No.	ISSUE / REVISION	DD/MM/YY

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 SCALE: 0 25mm

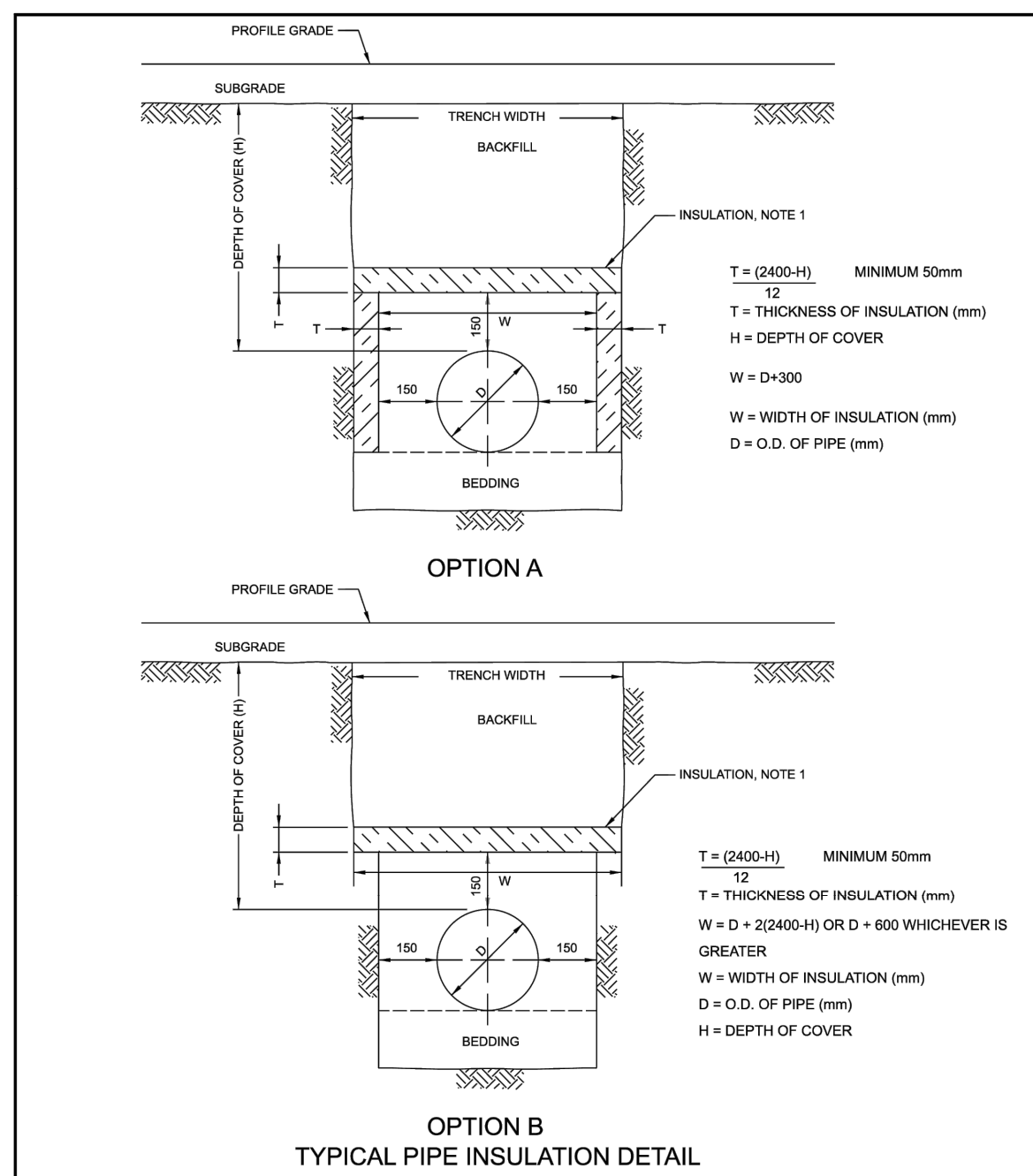
CLIENT:  
**minto Communities**

CONSULTANT:  
**J.L. Richards ENGINEERS - ARCHITECTS - PLANNERS**

CONSULTANT:  
 PROFESSIONAL STAMP  
**K.R. FERREY MORENO 100122432**  
 2023-08-10  
 PROVINCE OF ONTARIO

PROJECT:  
**ARCADIA STAGE 6**  
 450 HUNTMAR DRIVE  
 DRAWING:  
**DETAILS PLAN**

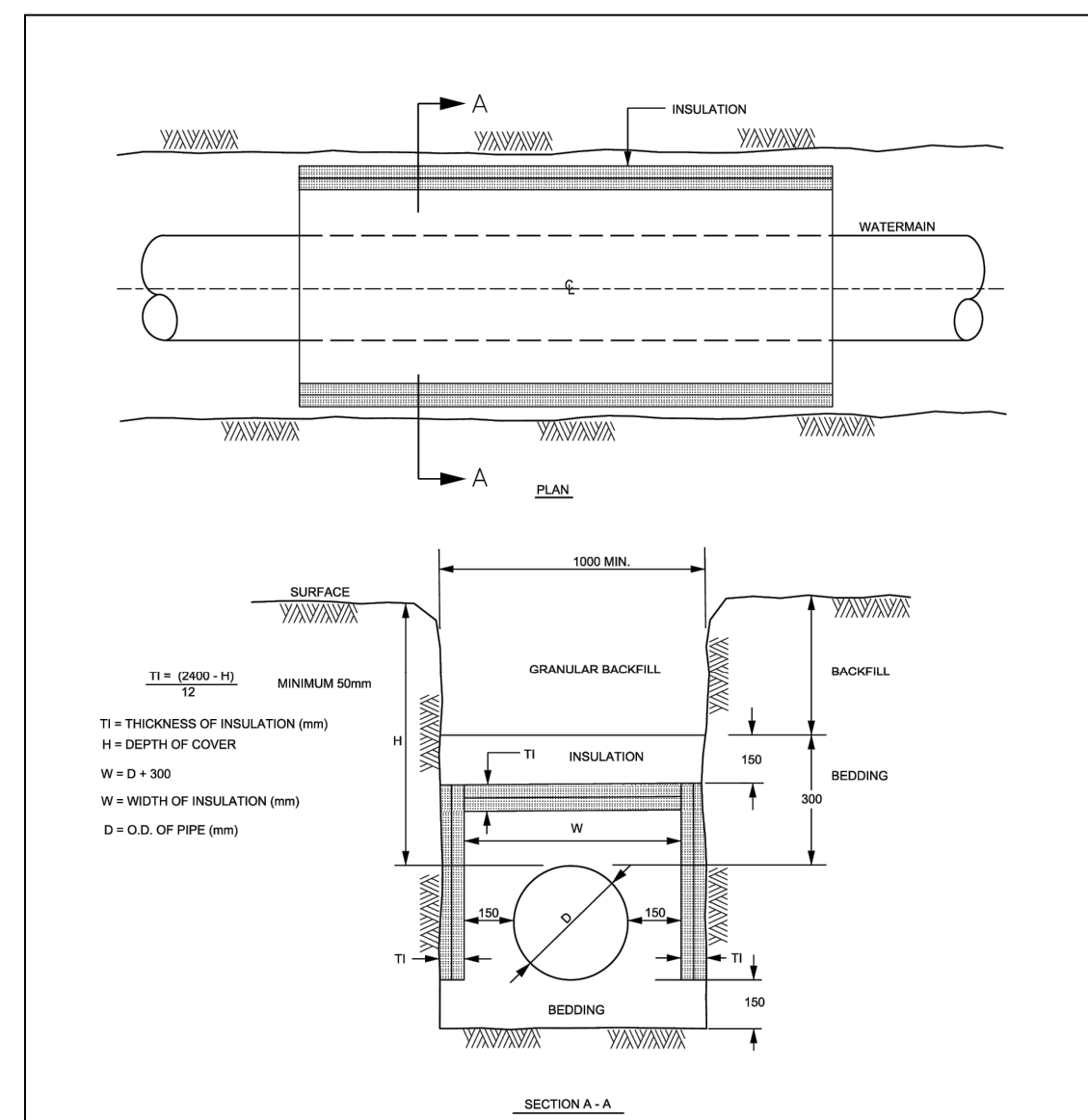
DESIGN: MM  
 DRAWN: KC  
 CHECKED: LD  
 JLR # 26299-006  
 DRAWING #:  
**D1**  
 CITY PLAN No. 18829



- NOTES:
1. THE INSULATION MATERIAL SHALL BE EXTRUDED POLYSTYRENE ACCORDING TO MW-19-15 WITH A MINIMUM COMPRESSIVE STRENGTH OF 275 KPa.
  2. MINIMUM INSULATION THICKNESS SHALL BE 50MM.
  3. JOINTS SHALL BE STAGGERED FOR MULTIPLE INSULATION SHEETS.
  4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

**Ottawa** INSULATION FOR SHALLOW SEWERS

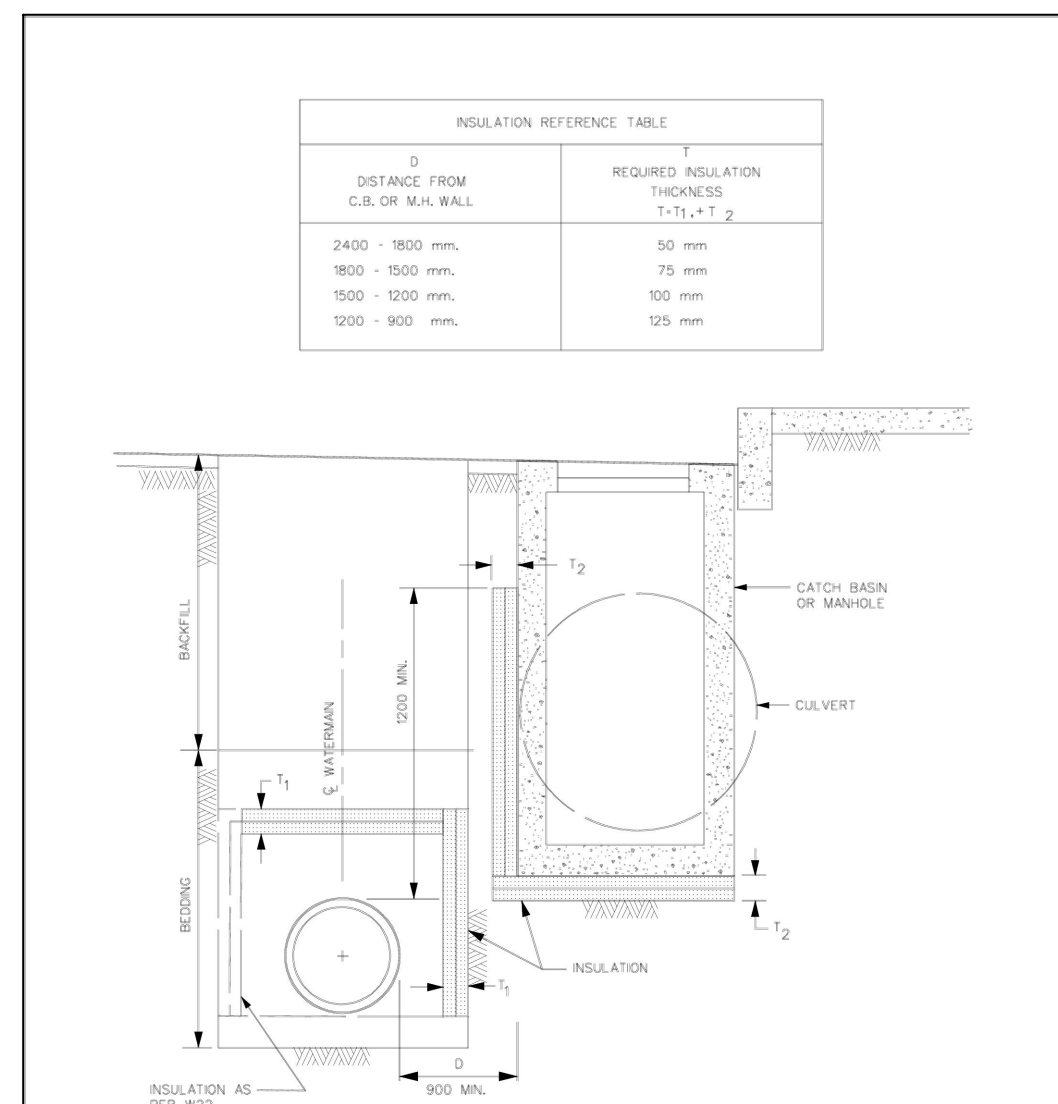
DATE: MARCH 2003  
REV: --  
DWG. No.: S35



- NOTES:
1. INCREMENTS OF THICKNESS SHALL BE ADJUSTABLE TO 25mm.
  2. IN PROXIMITY OF MAINTENANCE HOLES, CULVERTS, CATCHBASINS, ETC., INSULATION SHALL BE PLACED PER DETAIL W23.
  3. DEPTH OF COVER LESS THAN 100mm REQUIRES SPECIAL DESIGN.
  4. STAGGER JOINTS OF MULTIPLE SHEETS.
  5. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

**Ottawa** THERMAL INSULATION FOR WATERMAINS IN SHALLOW TRENCHES

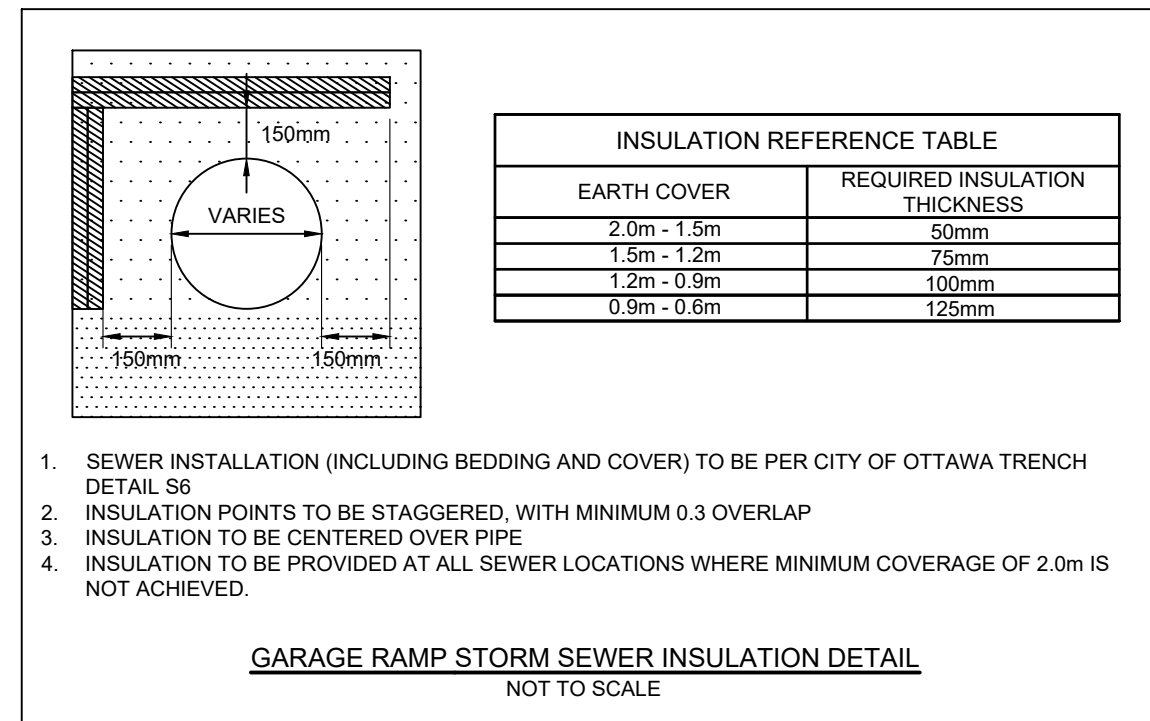
DATE: MAY 2001  
REV: MARCH 2013  
DWG. No.: W22



- NOTES:
1. INSULATION SHALL EXTEND 1000 mm EACH WAY FROM THE ENDS OF THE STRUCTURE PARALLEL TO THE WATERMAIN.
  2. STAGGER JOINTS OF MULTIPLE SHEETS.
  3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.
  4. INSULATION CAN BE AT EITHER LOCATION OR BOTH.

**Ottawa** THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES

DATE: MAY 2001  
REV: FEB 2004  
DWG. No.: W23

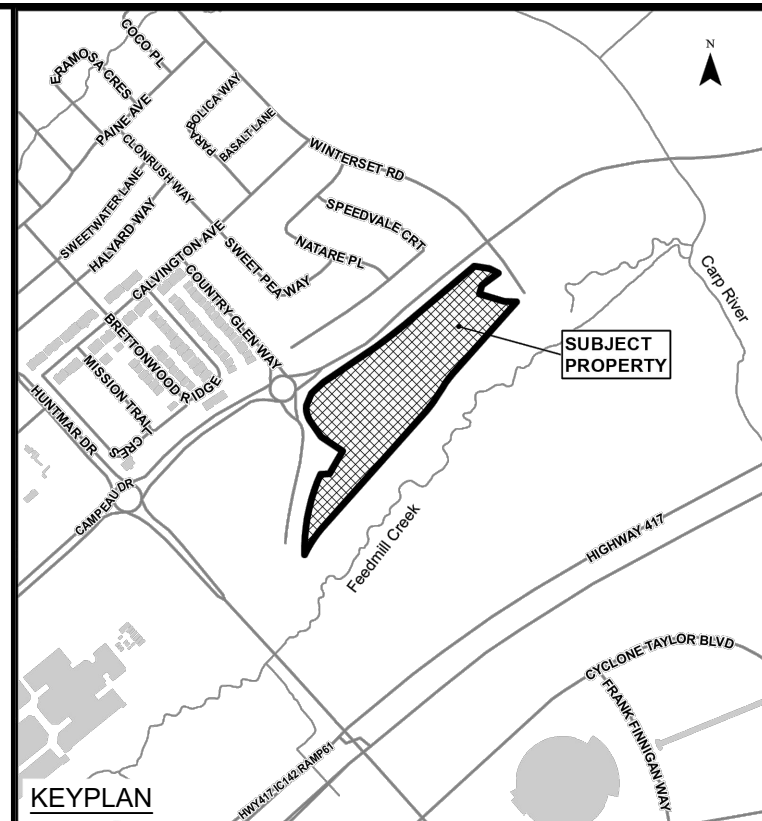


1. SEWER INSTALLATION (INCLUDING BEDDING AND COVER) TO BE PER CITY OF OTTAWA TRENCH DETAIL S6.
2. INSULATION POINTS TO BE STAGGERED, WITH MINIMUM 0.3 OVERLAP.
3. INSULATION TO BE CENTERED OVER PIPE.
4. INSULATION TO BE PROVIDED AT ALL SEWER LOCATIONS WHERE MINIMUM COVERAGE OF 2.0m IS NOT ACHIEVED.

*Allison Hamlin*

**ALLISON HAMLIN**  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
By Allison Hamlin at 4:08 pm, Aug 28, 2023



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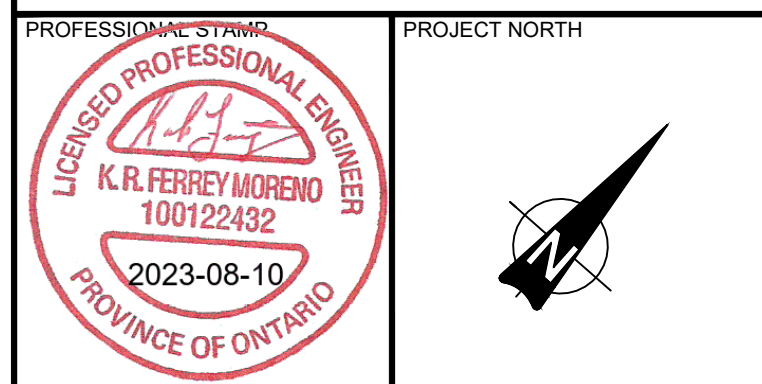
SCALE: 1:1000



CLIENT: www.jrichards.ca



CONSULTANT:



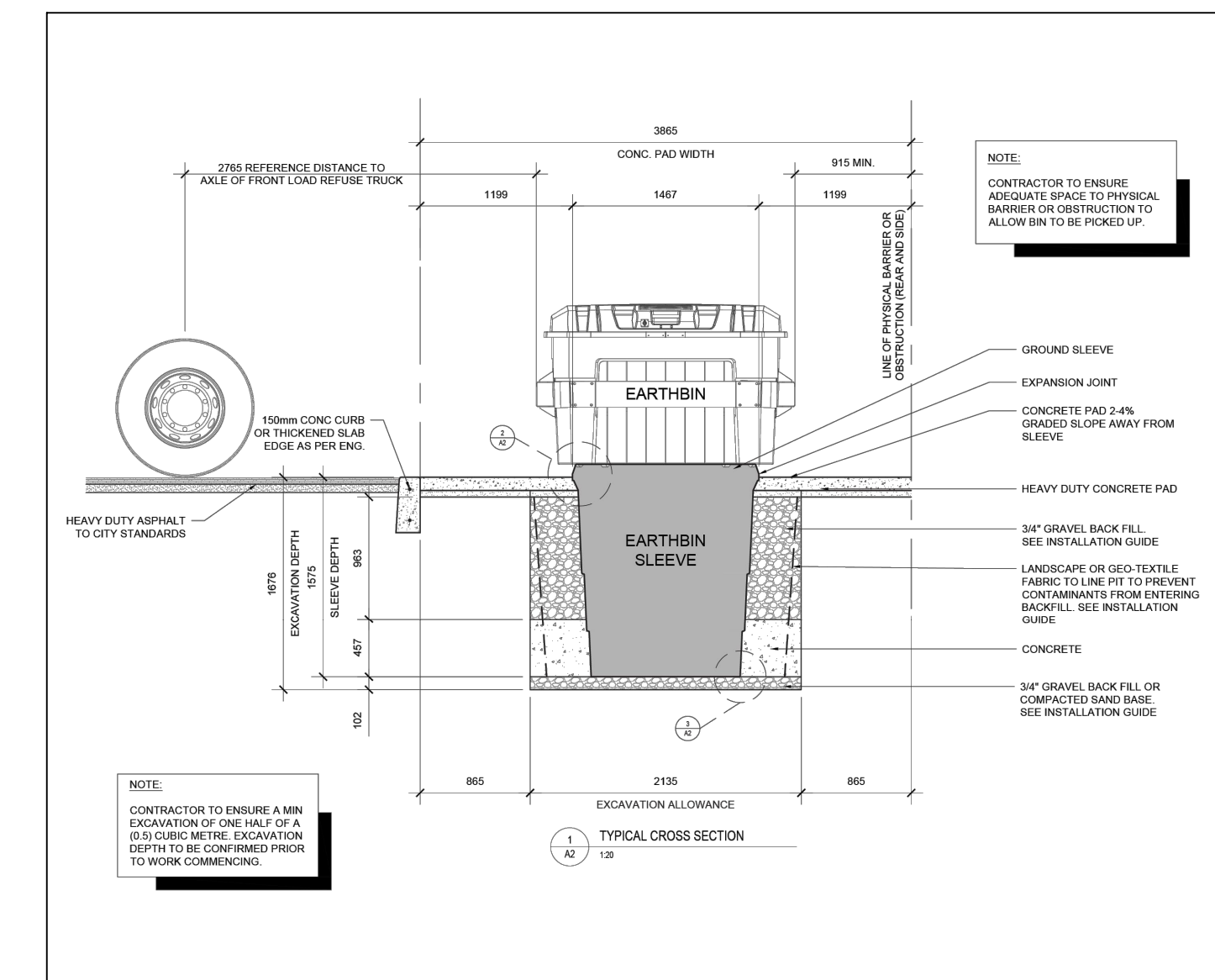
PROJECT NORTH

PROJECT:  
**ARCADIA STAGE 6**  
450 HUNTMAR DRIVE

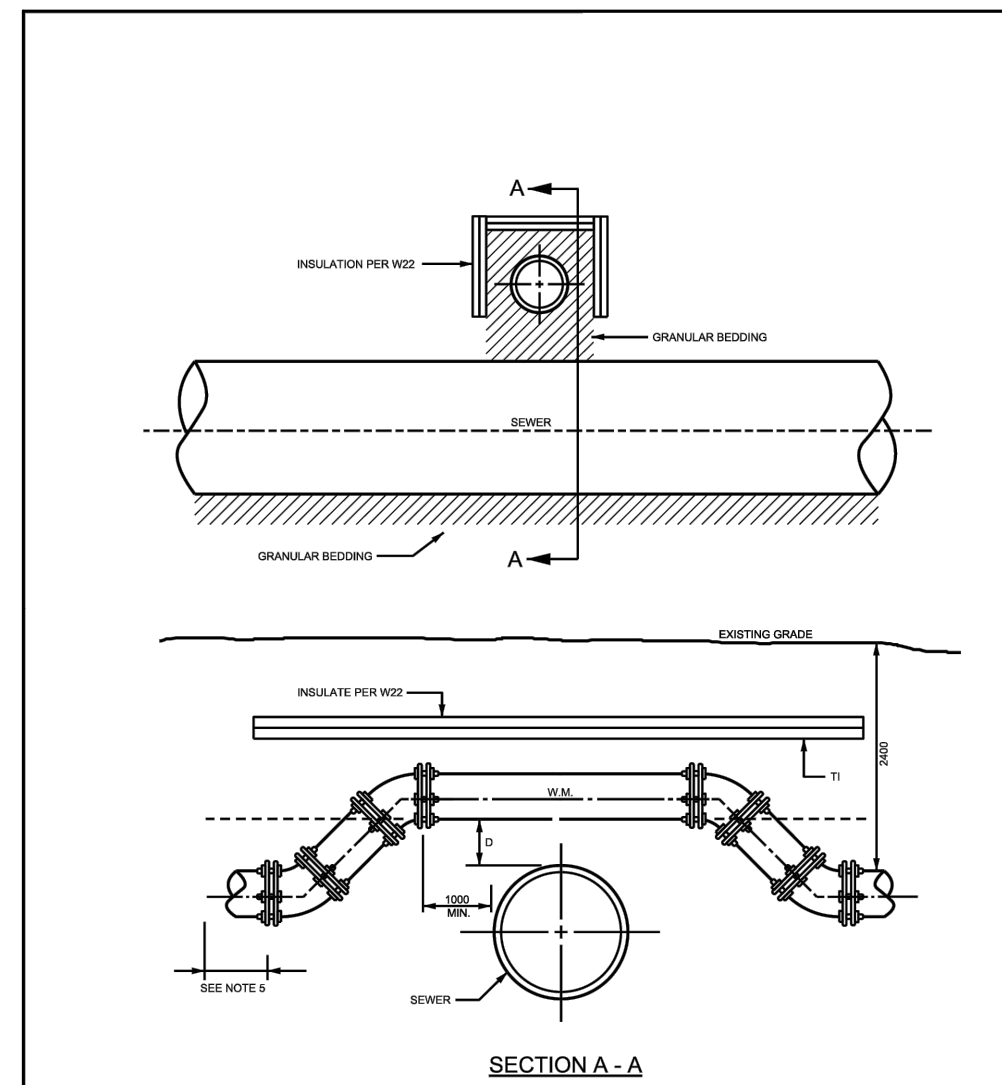
DRAWING:  
**DETAILS PLAN**

DESIGN: MM  
DRAWN: KC  
CHECKED: LD  
JLR #: 26299-006

DRAWING #:  
**D2**



- NOTE:
- CONTRACTOR TO ENSURE A MIN. EXCAVATION OF ONE HALF OF A (3) CUBIC METRE EXCAVATION DEPTH TO BE COMPLETED PRIOR TO WORK COMMENCING.



- NOTES:
1. BARREL TO BARREL SEPARATION (S) SHALL BE 20mm MINIMUM.
  2. TRAP BLOCK FOR MAIN LARGER THAN 400mm NOMINAL SHALL BE PER SPECIAL DESIGN.
  3. FOR 200mm NOMINAL AND ABOVE NOMINAL, SLEAVE SIZES SHALL BE MAX. 20".
  4. CONCRETE FOR TRAP BLOCKS SHALL BE 20 MPa.
  5. REFER TO W23 FOR RESTRAINED JOINT REQUIREMENTS.
  6. REFER TO W23 FOR HORIZONTAL REQUIREMENTS.
  7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.
  8. DESIGN TO MEET THE BEST OF THE AEC HANDBOOK DESIGN SYSTEMS, AUG 2013.
  9. CATHODIC PROTECTION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH W25, W40, AND W42.
  10. TRACER WIRE REQUIRED FOR PVC, PE8 AND VEPE WATERMAIN PIPE ONLY AS PER W25.

**Ottawa** WATERMAIN CROSSING OVER SEWER

DATE: MAY 2001  
REV: MARCH 2001  
DWG. No.: W25.2