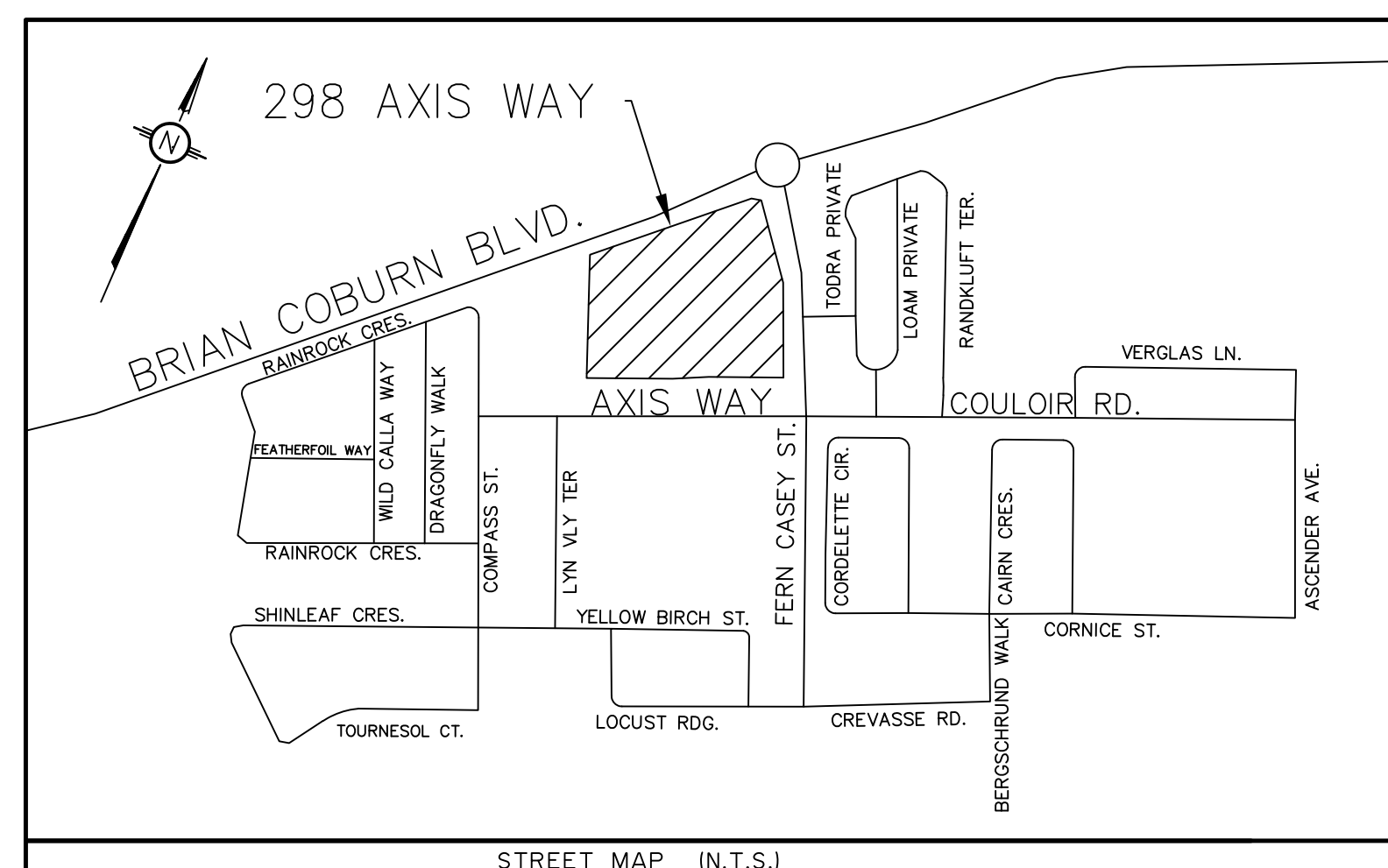




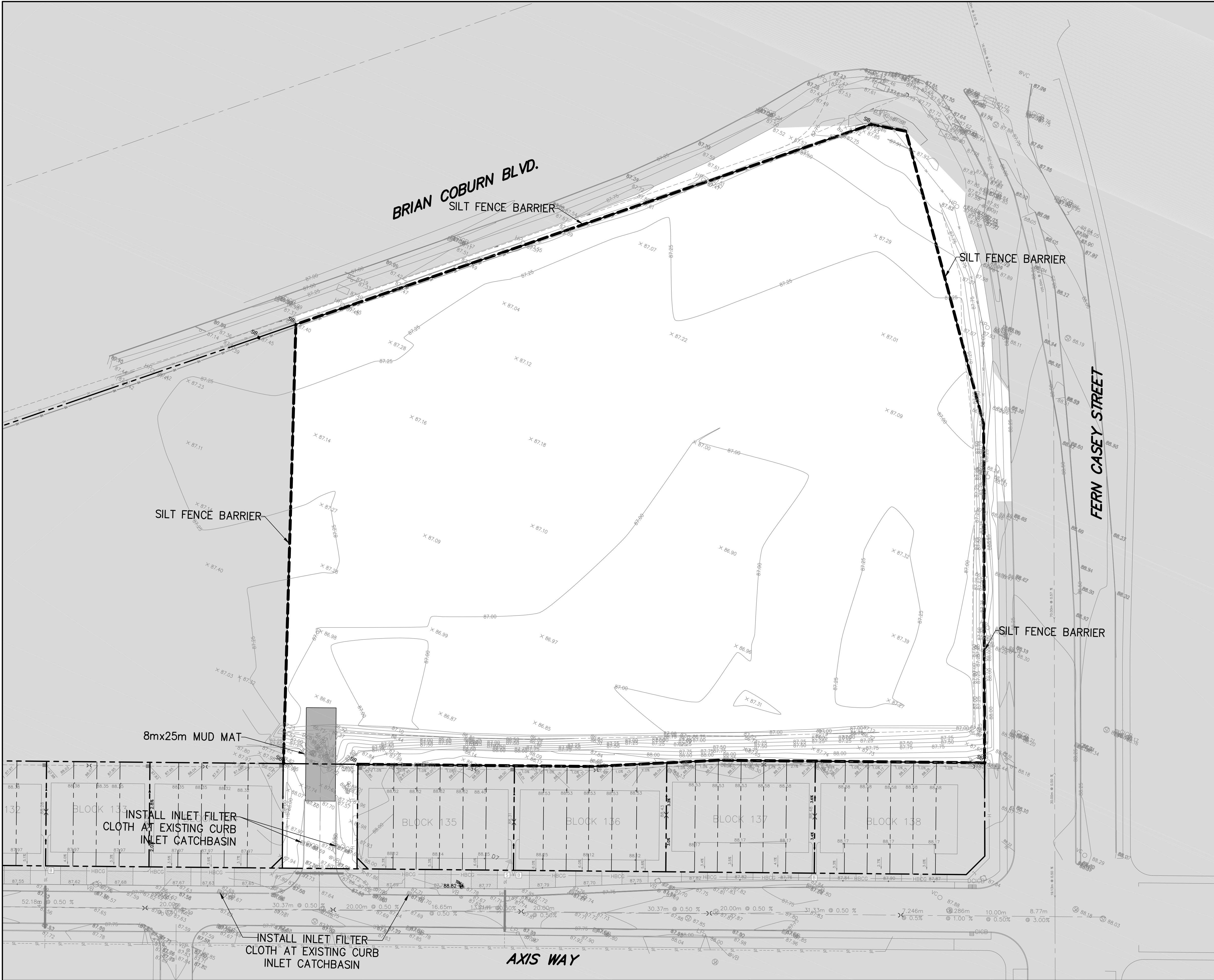
SITE SERVICING PLAN 298 AXIS WAY

CONTRACT NO. 240801



PLAN AND PROFILES

240801-ESC1	EROSION AND SEDIMENT CONTROL PLAN
240801-R1	REMOVAL PLAN
240801-S1	GENERAL PLAN OF SERVICES
240801-GR1	GRADING PLAN
240801-SAN1	SANITARY DRAINAGE AREA PLAN
240801-STM1	STORM DRAINAGE AREA PLAN
240801-PA1	PONDING AREA PLAN
240801-U1	COMPOSITE UTILITY PLAN (NOT INCLUDED)
240801-TD1	TYPICAL DETAILS AND TABLES



LEGEND

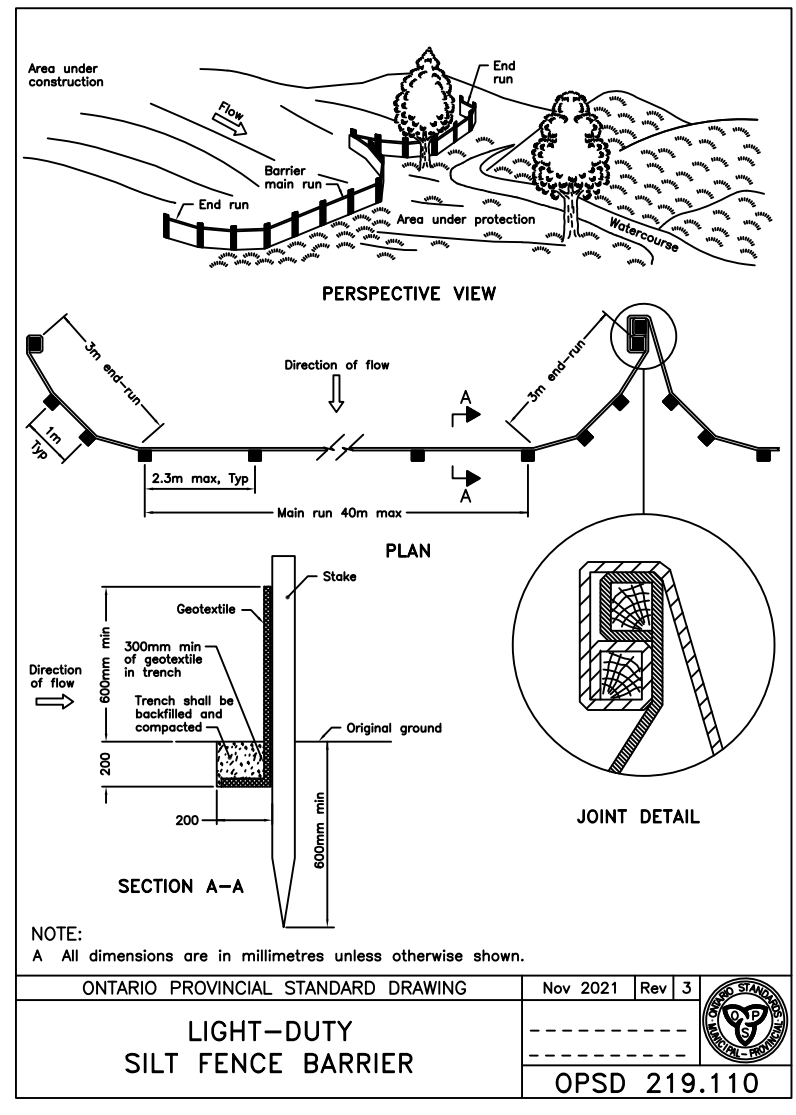
--- SILTATION CURTAIN

80 --- EXISTING ELEVATION CONTOUR

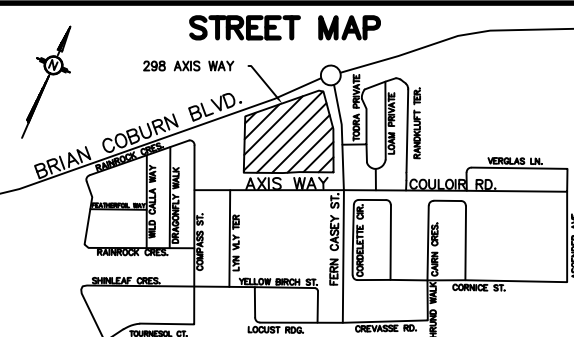
85.67 --- EXISTING SPOT ELEVATION

NOTES

- 1) ADDITIONAL TO THIS PLAN, THE CONTRACTOR SHALL IMPLEMENT THE "BEST MANAGEMENT PRACTICE" ALL ALONG CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL, INSPECT, REPAIR AND REMOVE THE SEDIMENT AND EROSION CONTROL METHODS.
- 2) A SUMP OF 600mm IN DEPTH WILL BE PROVIDED IN ALL CATCHBASINS IN ORDER TO MINIMIZE THE AMOUNT OF SUSPENDED SOLIDS FROM ENTERING THE SEWER SYSTEM.
- 3) DURING CONSTRUCTION, FILTER CLOTH WILL BE PLACED UNDER ALL PROPOSED CATCHBASIN AND MANHOLE FRAMES AND COVERS AND STRAW BALES WILL BE PLACED WHERE WATER RUNOFF CAN CARRY EXCESSIVE SEDIMENTS INTO THE SEWER SYSTEM. NO FILTER FABRIC IS TO BE PLACED UNDER ANY CB FRAME IN THE EXISTING R.O.W. REFER TO PLAN FOR DETAILS.
- 4) STRAW BALES SHALL BE INSTALLED ALONG THE VARIOUS SWALES (MAN MADE OR EXISTING) WHERE JUDGED NECESSARY BY THE ENGINEER AND/OR THE CITY OF OTTAWA'S INSPECTOR.
- 5) STRAW BALES SHOULD BE INSTALLED AS PER OPSD 219.100 AND OPSD 219.110 AS APPROPRIATE.
- 6) STRAW BALES SHALL BE INSTALLED AT EVERY MAJOR POINT OF WATER ENTRY INCLUDING DITCH INLET CATCHBASINS AND CULVERTS. WHERE DITCH INLET CATCHBASINS AND CULVERTS ARE WITHIN EXISTING R.O.W., SEDIMENT RETENTION FIBER ROLLS ARE TO BE USED.
- 7) ALL SEDIMENT CONTROL LOCATIONS MUST BE INSPECTED ON A REGULAR BASIS ESPECIALLY FOLLOWING A RAINFALL EVENT. SEDIMENTS SHALL BE REMOVED AND CONTROLS REINSTALLED AS NECESSARY.
- 8) SHOULD IT BE IMPOSSIBLE TO PREVENT OVERLAND SHEET FLOW TO AN EXTERNAL AREA DURING THE CONSTRUCTION PHASE, SUCH AREA SHALL BE PROTECTED WITH A SILT FENCE AS PER OPSD 219.110 AND/OR FILTER CLOTH IN CATCHBASINS.
- 9) FILTER CLOTH IN CUBS SHOULD BE INSTALLED WITH GENEROUS EXCESS OF MATERIAL AROUND PERIMETER TO FACILITATE REMOVAL FOR CBs POTENTIALLY SUBJECTED TO HEAVING SEDIMENT LOADING. A GRANULAR "PRE-FILTERED" SHOULD BE PROVIDED AROUND PERIMETER OF CB OR AT INTERVALS ALONG THE CURB.
- 10) ANY MATERIAL STOCKPILES SHOULD BE LOCATED ON FLAT AREAS WELL AWAY FROM ANY DRAINAGE INLETS.
- 11) NO SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED UNLESS FOUND UNNECESSARY OR ANOTHER SEDIMENT CONTROL POINT IS INSTALLED ELSEWHERE TO REPLACE THE LATTER.
- 12) THE SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.
- 13) THIS PLAN IS A "LIVING DOCUMENT" AND THAT ANY MODIFICATION TO THE PLAN SHALL BE SUBMITTED TO THE SATISFACTION OF RVCA AND MAY BE MODIFIED BY RVCA STAFF.



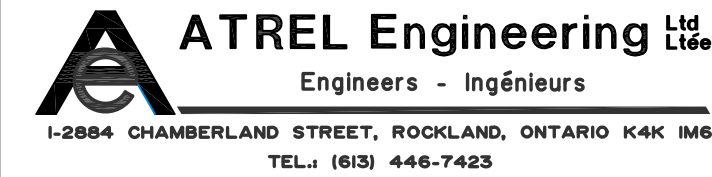
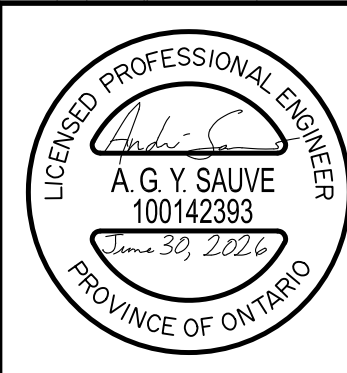
NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



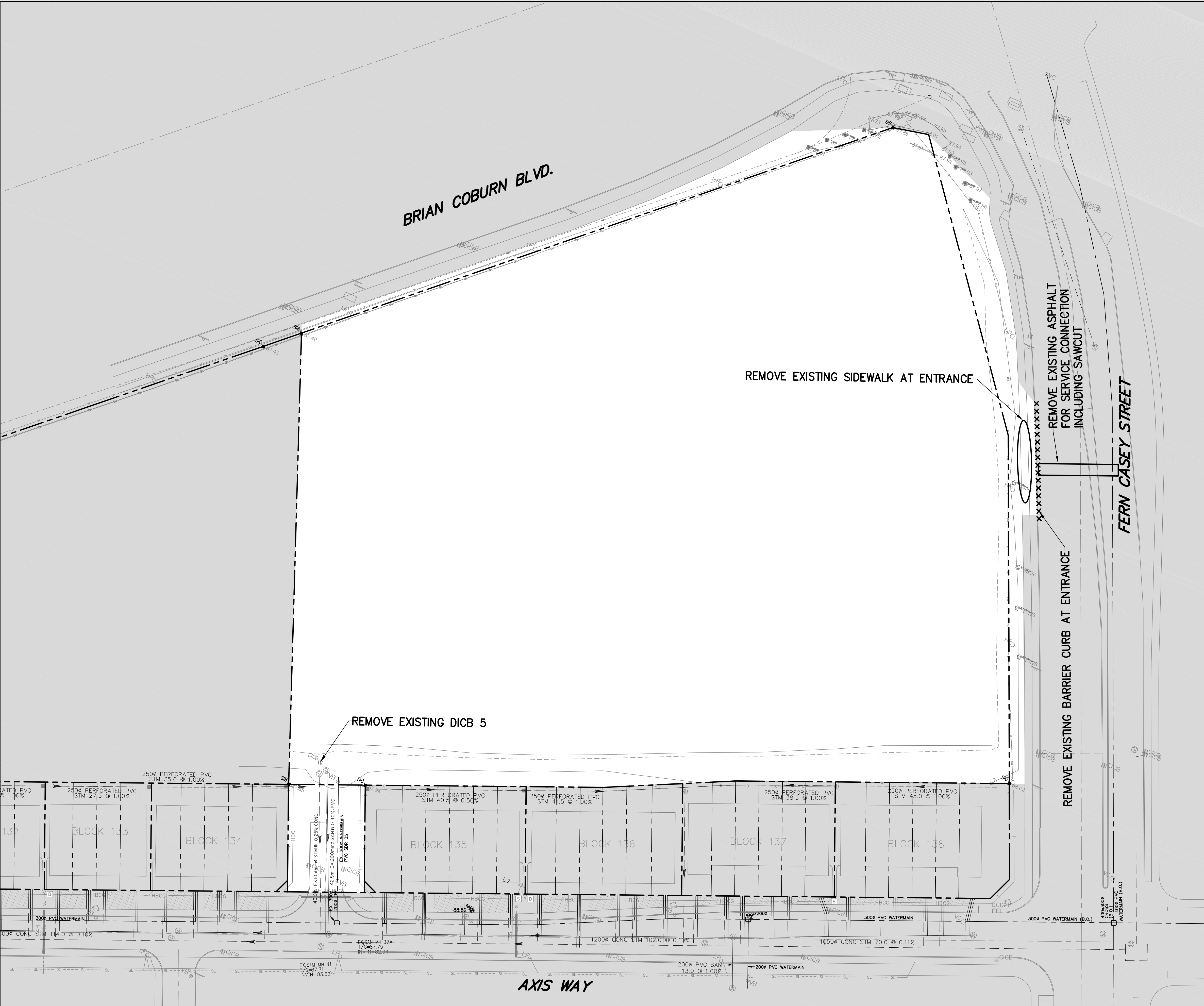
No.	REVISION	APPLIES WHEN DRAWING MODIFIED	DATE	BY
1	FIRST SUBMISSION		DEC. 06/24	AGS
2	SECOND SUBMISSION		APR. 24/25	AGS
3	THIRD SUBMISSION		NOV. 12/25	AGS
4	FOURTH SUBMISSION		JUNE 30/26	AGS

SCALE
0m 0 15m

DESIGN	AGS
CHECKED	AGS
DRAWN	JSC
CHECKED	AGS
APPROVED	AGS



CITY OF OTTAWA 298 AXIS WAY	MINTO COMMUNITIES INC.	PROJECT No. 240801
PLAN EROSION AND SEDIMENT CONTROL PLAN		DRAWING No. 240801-ESCI



LEGEND

EXISTING WATERMAIN

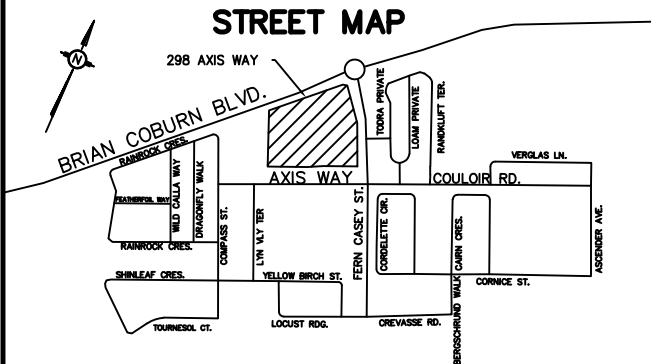
EXISTING STORM SEWER

EXISTING SANITARY SEWER

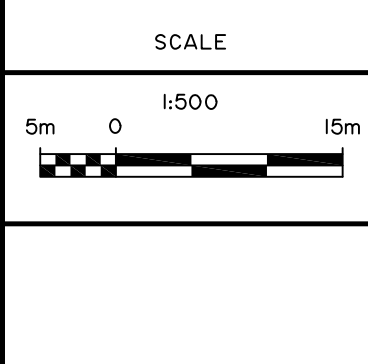
OBJECT TO BE REMOVED

OBJECT TO BE REMOVED

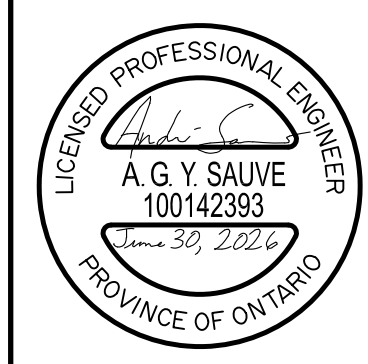
NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



No.	REVISION	△ - APPLIES WHEN DRAWING MODIFIED	DATE	BY
1	FIRST SUBMISSION		DEC. 06/24	AGS
2	SECOND SUBMISSION		APR. 24/25	AGS
3	THIRD SUBMISSION		NOV. 12/25	AGS
4	FOURTH SUBMISSION		JUNE 30/26	AGS



DESIGN	AGS
CHECKED	AGS
DRAWN	JSC
CHECKED	AGS
APPROVED	AGS

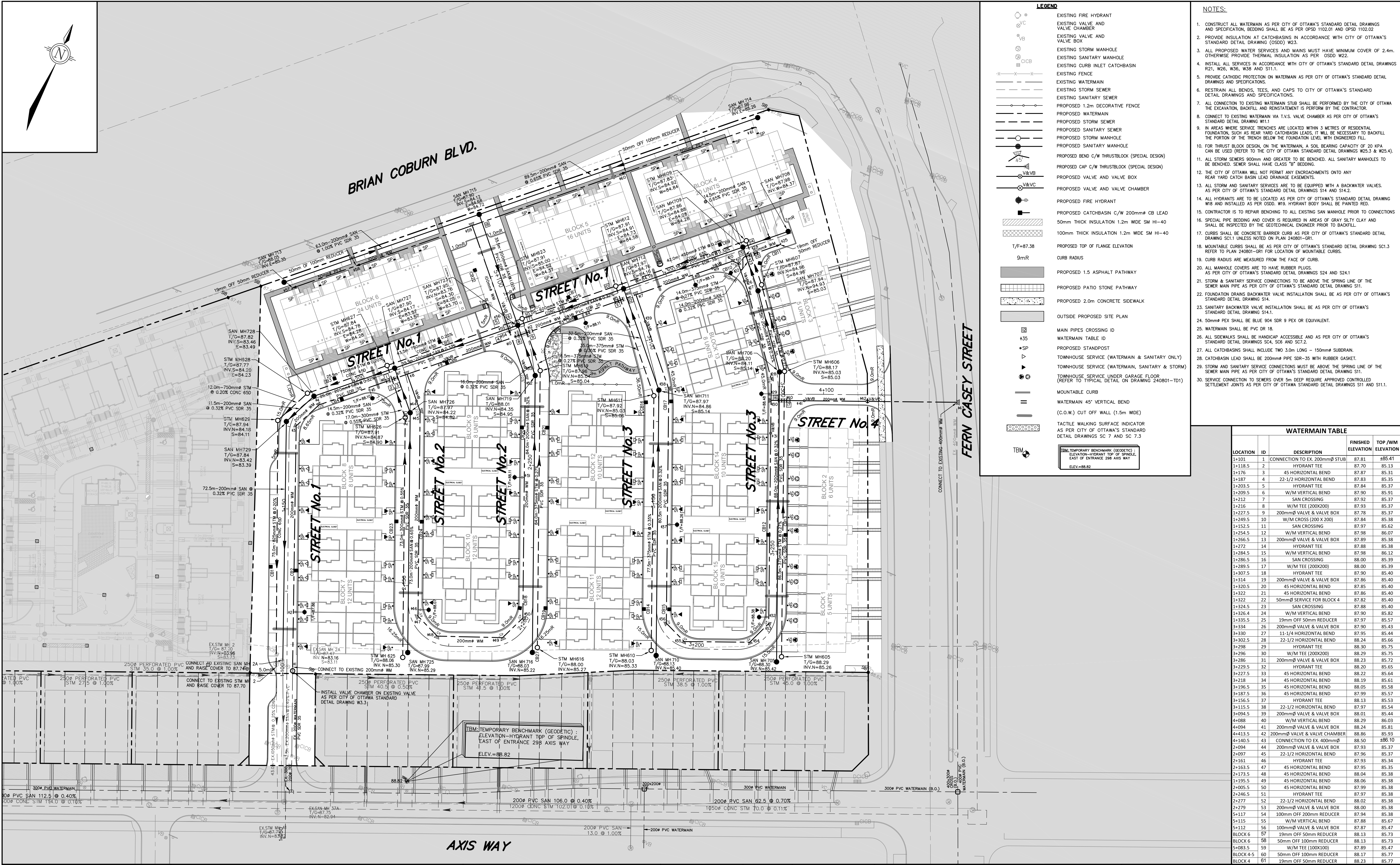


ATREL Engineering Ltd.
Engineers - Ingénieurs
1-2884 CHAMBERLAND STREET, ROCKLAND, ONTARIO K4K 1M6
TEL.: (613) 446-7423

CITY OF OTTAWA
298 AXIS WAY
PLAN
REMOVAL PLAN

MINTO COMMUNITIES INC.

PROJECT No.
240801
DRAWING No.
240801-RI



NOTE: THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED, BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

STREET MAP

No.	REVISION	APPLIES WHEN DRAWING MODIFIED	DATE	BY
1	FIRST SUBMISSION		DEC. 06/24	AGS
2	SECOND SUBMISSION		APR. 24/25	AGS
3	THIRD SUBMISSION		NOV. 12/25	AGS
4	FOURTH SUBMISSION		JUNE 30/26	AGS

SCALE: 0m 0 1:500 15m

DESIGN	AGS
CHECKED	AGS
DRAWN	JSC
CHECKED	AGS
APPROVED	AGS

Engineers - Ingénieurs
1-2884 CHAMBERLAND STREET, ROCKLAND, ONTARIO K4K 1M6
TEL: (613) 446-7423

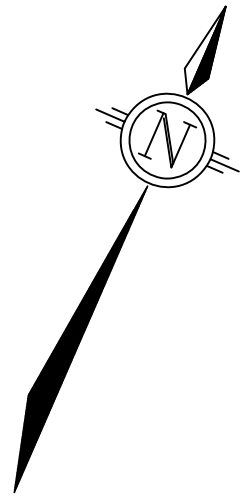
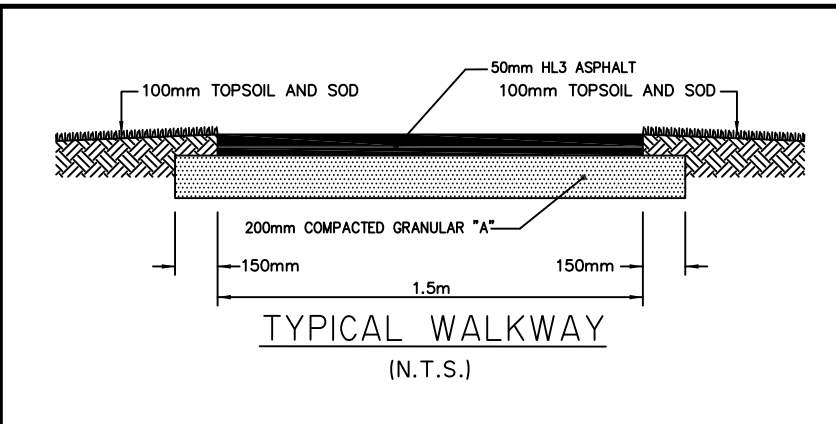
CITY OF OTTAWA
298 AXIS WAY

PLAN
GENERAL PLAN OF SERVICES

PROJECT No.
240801

DRAWING No.
240801-SI

19329



LEGEND

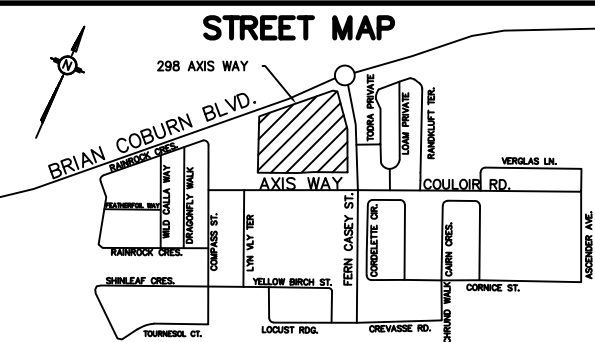
CONTOURS AT 0.25m INTERVAL
EXISTING SPOT ELEVATION
EXISTING VALVE BOX
EXISTING CURB INLET CATCHBASIN
EXISTING SIGN
PROPOSED ELEVATION
EXISTING GRADE
PROPOSED ELEVATION
PROPOSED ELEVATION
PROPOSED VPI ELEVATION
% SLOPE
PROPOSED DIRECTION OF FLOW
PROPOSED DIRECTION OF FLOW
PROPOSED SWALE ELEVATION
PROPOSED TOP OF GRATE ELEVATION
PROPOSED INVERT ELEVATION
PROPOSED FIRST FLOOR ELEVATION
TOP OF FOUNDATION WALL
PROPOSED TOP OF BASEMENT SLAB
PROPOSED UNDERSIDE OF FOOTING

7R
PROPOSED CATCHBASIN
MAJOR DRAINAGE SYSTEM
TERRACING 3:1 (MAXIMUM SLOPE)
HYDRO POLES
OUTSIDE PROPOSED DEVELOPMENT
DEPRESSED CURB
IRON BAR
SQUARE IRON BAR
TACTILE WALKING SURFACE INDICATOR
AS PER CITY OF OTTAWA'S STANDARD
DETAIL DRAWINGS SC 7 AND SC 7.3
HIGH POINT (DSEL)

- GENERAL NOTES:**
- BUILDERS SHALL INSULATE TO COMPENSATE IF COVER IS LESS THAN 1.5m. (REFER TO SOILS REPORT)
 - A GEOTECHNICAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO IS TO INSPECT ALL SUBGRADE SURFACES FOR FOOTINGS AND PAVEMENT STRUCTURES PRIOR TO CONSTRUCTION
 - FOR SITE BENCHMARK LOCATION AND ELEVATION REFER TO THE GENERAL PLAN OF SERVICES (240801-S1)

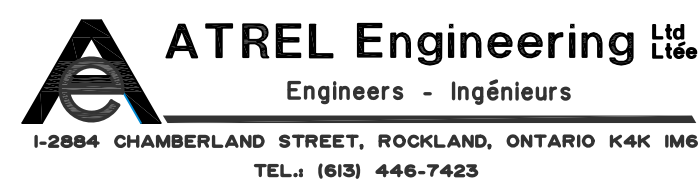
- TOPOGRAPHIC NOTES:**
- EXISTING ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO THE GEODETIC DATUM CGVD-1928
 - BEARINGS HEREON ARE GRID BEARINGS DERIVED FROM THE CAN-NET NETWORK AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9, 76°30' WEST LONGITUDE, NAD-83 (ORIGINAL)
 - IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE JOB BENCHMARK HAS NOT BEEN ALTERED OR DISTURBED AND ALSO THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON THIS DRAWING.

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED, BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



No.	REVISION	APPLIES WHEN DRAWING MODIFIED	DATE	BY
1	FIRST SUBMISSION		DEC. 06/24	AGS
2	SECOND SUBMISSION		APR. 24/25	AGS
3	THIRD SUBMISSION		NOV. 12/25	AGS
4	FOURTH SUBMISSION		JUNE 30/26	AGS

SCALE	DESIGN
0m 0 1:500 15m	AGS
	CHECKED AGS
	DRAWN JSC
	CHECKED AGS
	APPROVED AGS



CITY OF OTTAWA 298 AXIS WAY	MINTO COMMUNITIES INC.	PROJECT No. 240801
GRADING PLAN		DRAWING No. 240801-GR1



LEGEND

SANITARY DRAINAGE SUB AREA
POPULATION EQUIVALENT
NUMBER OF UNITS IN SUB AREA

DRAINAGE AREA BOUNDARY

PROPOSED SANITARY SEWER

EXISTING SANITARY SEWER

OUTSIDE PROPOSED DEVELOPMENT

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS,
SEWERS AND OTHER UNDERGROUND AND OVERGROUND
UTILITIES AND STRUCTURES IS NOT NECESSARILY
SHOWN ON THE CONTRACT DRAWINGS, AND WHERE
SHOWN, THE ACCURACY OF THE POSITION OF SUCH
UTILITIES AND STRUCTURES IS NOT GUARANTEED.
BEFORE STARTING WORK, DETERMINE THE EXACT
LOCATION OF ALL SUCH UTILITIES AND STRUCTURES
AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

STREET MAP

No.	REVISION	APPLIES WHEN DRAWING MODIFIED	DATE	BY
1	FIRST SUBMISSION		DEC. 06/24	AGS
2	SECOND SUBMISSION		APR. 24/25	AGS
3	THIRD SUBMISSION		NOV. 12/25	AGS
4	FOURTH SUBMISSION		JUNE 30/26	AGS

SCALE

0m 0 1:500 15m

DESIGN	AGS
CHECKED	AGS
DRAWN	JSC
CHECKED	AGS
APPROVED	AGS

ATREL Engineering Ltd.
Engineers - Ingénieurs
1-2884 CHAMBERLAND STREET, ROCKLAND, ONTARIO K4K 1M6
TEL.: (613) 446-7423

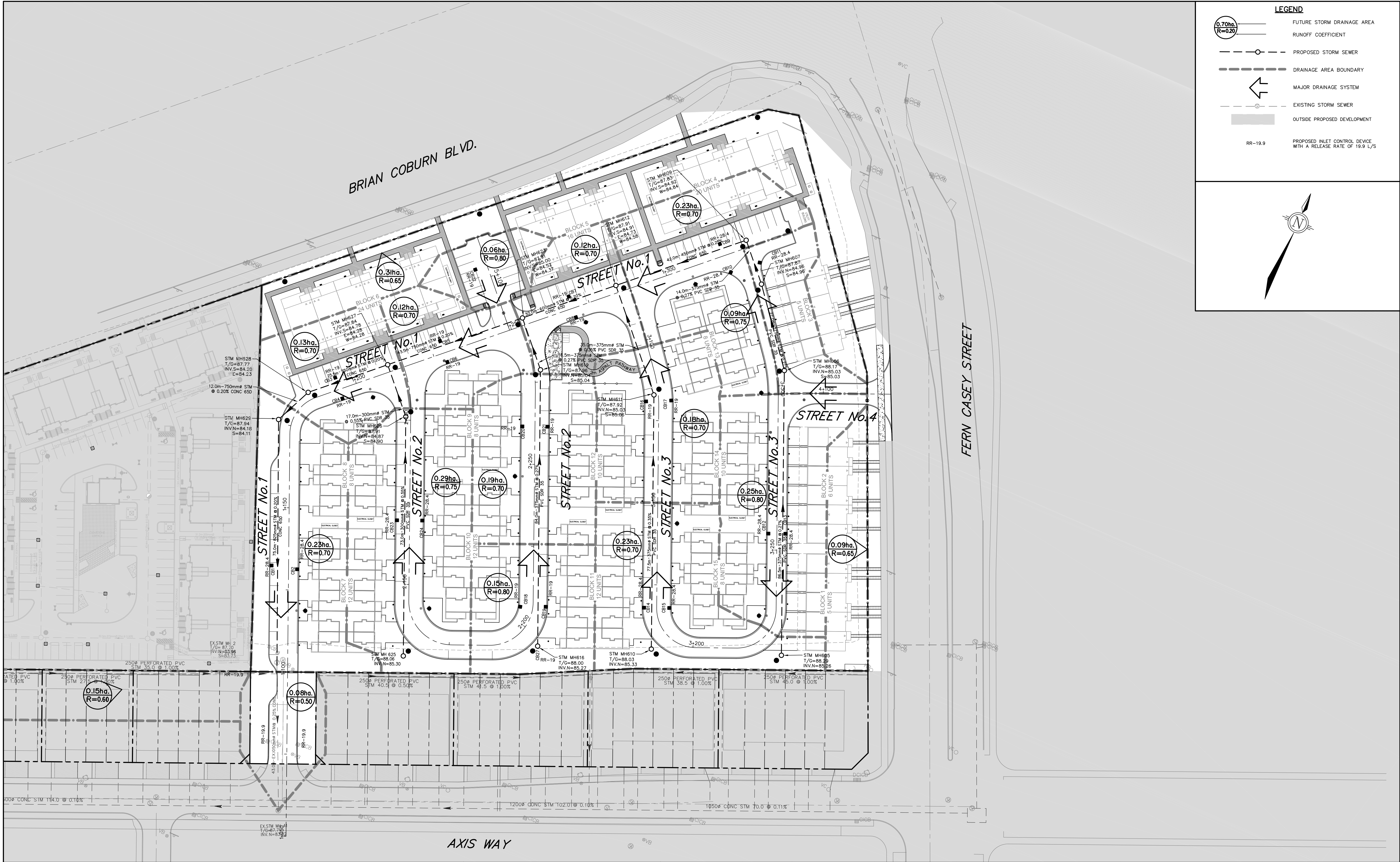
CITY OF OTTAWA
298 AXIS WAY

MINTO COMMUNITIES INC.

PROJECT No.
240801

DRAWING No.
240801-SANI

PLAN
SANITARY DRAINAGE AREA PLAN



LEGEND

FUTURE STORM DRAINAGE AREA

RUNOFF COEFFICIENT

PROPOSED STORM SEWER

DRAINAGE AREA BOUNDARY

MAJOR DRAINAGE SYSTEM

EXISTING STORM SEWER

OUTSIDE PROPOSED DEVELOPMENT

PROPOSED INLET CONTROL DEVICE WITH A RELEASE RATE OF 19.9 L/S

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

STREET MAP

No.	REVISION	APPLIES WHEN DRAWING MODIFIED	DATE	BY
1	FIRST SUBMISSION		DEC. 06/24	AGS
2	SECOND SUBMISSION		APR. 24/25	AGS
3	THIRD SUBMISSION		NOV. 12/25	AGS
4	FOURTH SUBMISSION		JUNE 30/26	AGS

SCALE

0m 0 1:500 15m

DESIGN AGS

CHECKED AGS

DRAWN JSC

CHECKED AGS

APPROVED AGS

ATREL Engineering Ltd.

Engineers - Ingénieurs

1-2884 CHAMBERLAND STREET, ROCKLAND, ONTARIO K4K 1M6
TEL.: (613) 446-7423

CITY OF OTTAWA
298 AXIS WAY

MINTO COMMUNITIES INC.

PROJECT No.
240801

PLAN
STORM DRAINAGE AREA PLAN

DRAWING No.
240801-STMI

19329

D07-12-24-0164



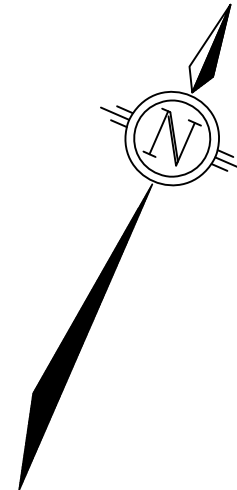
LEGEND

PONDING AREA

PONDING AREA No.

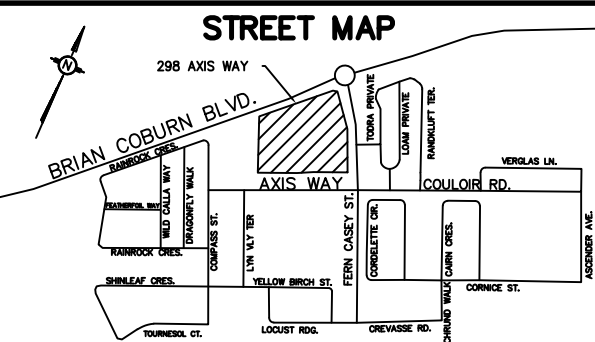
MAJOR DRAINAGE

PA10



PONDING AREA TABLE						
Area Number	Maximum Ponding Elevation (m)	Top of Grate Elevation (m)	Maximum Ponding Depth (m)	Maximum Ponding Volume (m³)	Maximum Ponding Area (m²)	I.C.D Flow Release Rate (L/s)
PA1	88.14	87.98	0.16	20.48	360.75	56.8
PA2	88.04	87.83	0.21	32.17	457.11	56.8
PA3	87.99	87.81	0.18	16.61	145.56	38.0
PA4	87.91	87.73	0.18	34.20	537.87	85.2
PA5	87.88	87.76	0.12	9.74	259.52	38.0
PA6	87.97	87.83	0.14	9.91	223.90	38.0
PA7	87.89	87.75	0.14	9.14	204.71	38.0
PA8	87.89	87.67	0.22	29.32	332.98	19.0
PA9	87.84	87.67	0.17	18.11	309.92	38.0
PA10	87.83	87.64	0.19	25.56	419.03	56.8
PA11	87.8	87.67	0.13	8.07	196.40	38.0
PA12	87.72	87.44	0.28	51.16	542.17	56.8
Total				264.47		

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS,
SEWERS AND OTHER UNDERGROUND AND OVERGROUND
UTILITIES AND STRUCTURES IS NOT NECESSARILY
SHOWN ON THE CONTRACT DRAWINGS, AND WHERE
SHOWN, THE ACCURACY OF THE POSITION OF SUCH
UTILITIES AND STRUCTURES IS NOT GUARANTEED.
BEFORE STARTING WORK, DETERMINE THE EXACT
LOCATION OF ALL SUCH UTILITIES AND STRUCTURES
AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



No.	REVISION	APPLIES WHEN DRAWING MODIFIED	DATE	BY
1	FIRST SUBMISSION		DEC. 06/24	AGS
2	SECOND SUBMISSION		APR. 24/25	AGS
3	THIRD SUBMISSION		NOV. 12/25	AGS
4	FOURTH SUBMISSION		JUNE 30/26	AGS

SCALE

DESIGN

CHECKED

DRAWN

CHECKED

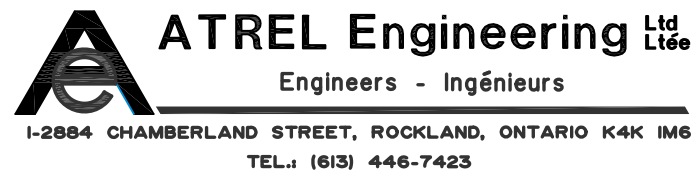
APPROVED

AGS

AGS

AGS

AGS



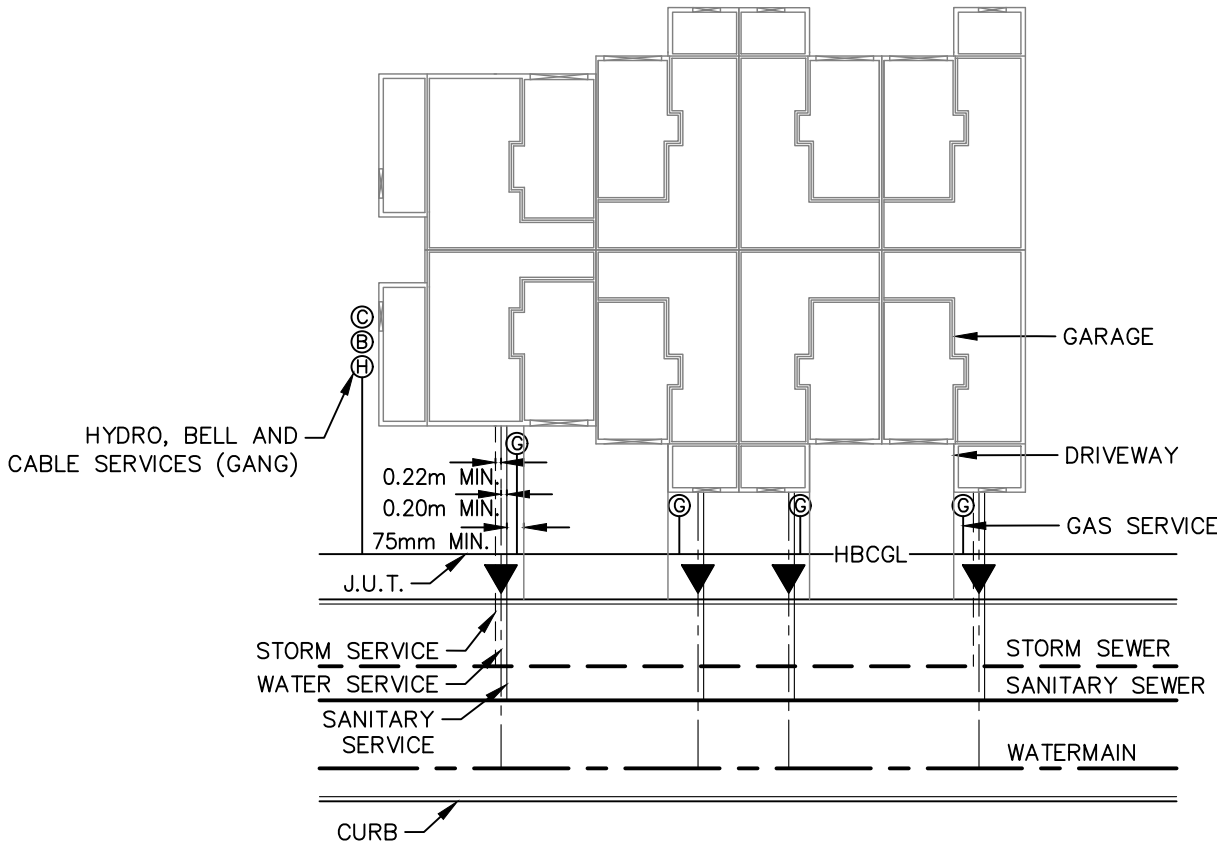
CITY OF OTTAWA
298 AXIS WAY

MINTO COMMUNITIES INC.

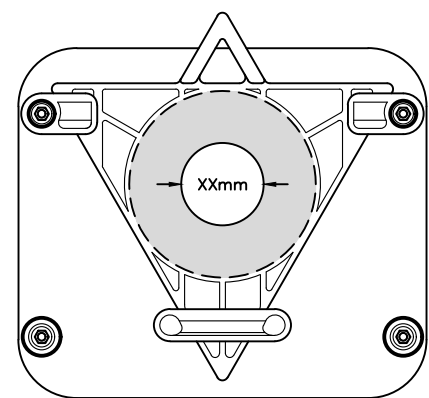
PROJECT No.
240801

DRAWING No.
240801-PAI

PLAN
PONDING AREA PLAN



**TYPICAL SERVICE CONNECTIONS
(N.T.S.)**



**TYPICAL ROUND OPENING INLET CONTROL DEVICE
(WALL MOUNT)**
(INLET CONTROL DEVICES SHALL BE PEX TEMPEST MHF OR APPROVED EQUIVALENT AND SHALL BE SLIDE TYPE)

PAVEMENT STRUCTURE TABLE	
THICKNESS (mm)	MATERIAL DESCRIPTION
40	WEAR COURSE – HL-3
50	BINDER COURSE – HL-8
150	BASE – OPSS GRANULAR 'A' CRUSHED STONE
450	SUBBASE – OPSS GRANULAR 'B' TYPE II

INLET CONTROL DEVICE AND CATCHBASINS TABLE				
CB NO.	T/G ELEV. (m)	PONDING ELEV. (m)	INVERT ELEV. (m)	ICD ID.
1	87.44	87.72	85.97	RR- 28.4
2	87.52	87.72	85.97	RR- 28.4
3	87.67	87.80	86.05	RR- 19
4	87.67	87.80	86.05	RR- 19
5	87.67	87.84	86.09	RR- 19
6	87.67	87.84	86.09	RR- 19
7	87.76	87.88	86.13	RR- 19
8	87.76	87.88	86.13	RR- 19
9	87.73	87.91	86.16	RR- 28.4
10	87.73	87.91	86.16	RR- 28.4
11	87.73	87.91	86.16	RR- 28.4
12	87.98	88.14	86.39	RR- 28.4
13	87.98	88.14	86.39	RR- 28.4
14	87.83	88.04	86.29	RR- 28.4
15	87.83	88.04	86.29	RR- 28.4
16	87.81	87.99	86.24	RR- 19
17	87.81	87.99	86.24	RR- 19
18	87.83	87.97	86.22	RR- 19
19	87.83	87.97	86.22	RR- 19
20	87.75	87.89	86.14	RR- 19
21	87.75	87.89	86.14	RR- 19
22	87.67	87.89	86.14	RR- 19
23	87.64	87.83	86.08	RR- 28.4
24	87.64	87.83	86.08	RR- 28.4

SANITARY MANHOLE TABLE				
STRUCTURE NUMBER	DIMENSIONS	OSDD/OPSD		
		STRUCTURE	FRAME	COVER
ALL MANHOLES	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24 OPSD-N/A

*OSDD = OTTAWA STANDARD DETAIL DRAWINGS

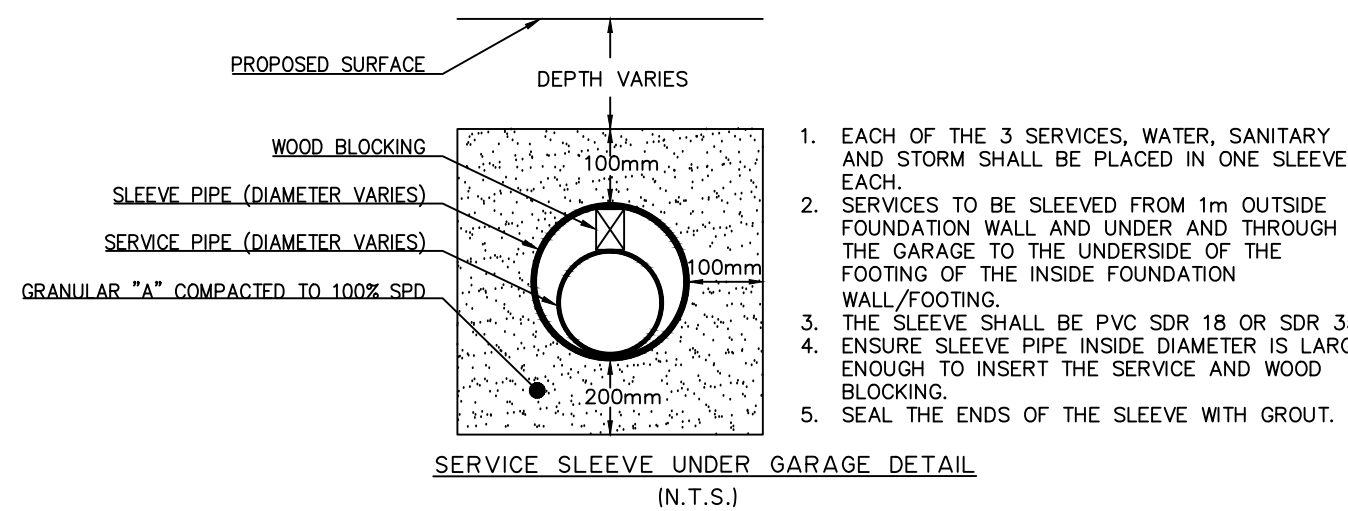
STORM MANHOLE TABLE				
STRUCTURE NUMBER	DIMENSIONS	OSDD/OPSD		
		STRUCTURE	FRAME	COVER
MH 605	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 606	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 607	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 608	1500mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 609	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 610	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 611	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 612	1500mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 616	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 619	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 623	1500mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 625	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 626	1200mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 627	1500mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 628	1500mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
MH 629	1800mmø	OSDD-N/A OPSD-701.010	OSDD-S25 OPSD-N/A	OSDD-S24.1 OPSD-N/A
ALL CATCHBASINS	600mmX600mm	OSDD-S1 OPSD-N/A	OSDD-S19 OPSD-N/A	OSDD-S19 OPSD-N/A

*OSDD = OTTAWA STANDARD DETAIL DRAWINGS

STORM, SANITARY AND WATERMAIN CONFLICT TABLE								
ID	DESCRIPTION	SANITARY INVERT	SANITARY OBVERT	STORM INVERT	STORM OBVERT	W/M INVERT	W/M OBVERT	BARREL TO BARREL SEPARATION (m)
1	1.5m SOUTH OF STM MH 627	83.57	83.77	84.78	85.08	N/A	N/A	0.93
2	4.5m SOUTH OF STM MH 627	N/A	N/A	84.83	85.21	85.71	85.91	0.50
3	3.0m SOUTH OF SAN MH 727	84.13	84.33	N/A	N/A	85.17	85.37	0.84
4	3.0m WEST OF SAN MH 723	84.72	84.92	N/A	N/A	85.42	85.52	0.50
5	5.0m WEST OF STM MH 623	N/A	N/A	84.40	85.07	85.57	85.67	0.50
6	1.5m NORTH OF SAN MH 723	83.76	83.96	84.37	85.12	N/A	N/A	0.30
7	1.5m SOUTH OF STM MH 623	84.05	84.25	85.00	85.37	N/A	N/A	0.66
8	3.0m SOUTH OF SAN MH 723	84.72	84.92	N/A	N/A	85.42	85.62	0.50
9	4.5m SOUTH OF STM MH 623	N/A	N/A	84.92	85.37	85.87	86.07	0.50
10	1.5m SOUTH OF STM MH 612	84.16	84.36	84.91	85.28	N/A	N/A	0.46
11	4.5m SOUTH OF STM MH 612	84.97	85.42	N/A	N/A	85.92	86.12	0.50
12	3.0m SOUTH OF SAN MH 712	N/A	N/A	84.18	84.38	85.19	85.39	0.81
13	3.0m SOUTH OF SAN MH 709	84.30	84.50	N/A	N/A	85.35	85.40	0.85
14	1.5m SOUTH OF STM MH 609	84.28	84.48	84.92	85.29	N/A	N/A	0.35
15	4.5m SOUTH OF STM MH 609	84.83	85.13	N/A	N/A	85.77	85.82	0.64
16	7.5m SOUTH OF SAN MH 706	84.48	84.68	N/A	N/A	85.55	85.75	0.87
17	6.0m SOUTH OF STM MH 606	84.96	85.33	N/A	N/A	85.83	86.03	0.50
18	2.5m SOUTH OF SAN MH 715	N/A	N/A	84.05	84.25	85.63	85.73	1.39

INLET CONTROL DEVICE DESIGN

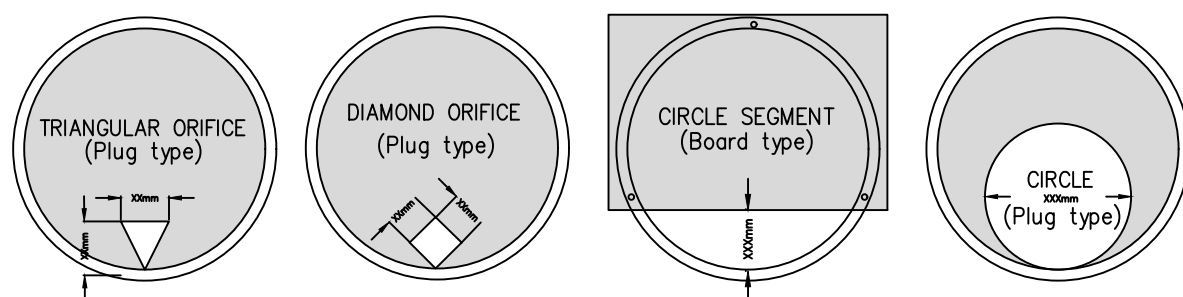
RR	Flow, Q (L/s)	Orifice Type	Head (m)	Orifice Size (m)		Orifice Area (m²)
19	19.00	Round	1.65	Diameter	of	0.0083
28.4	28.40	Round	1.65	Diameter	of	0.102



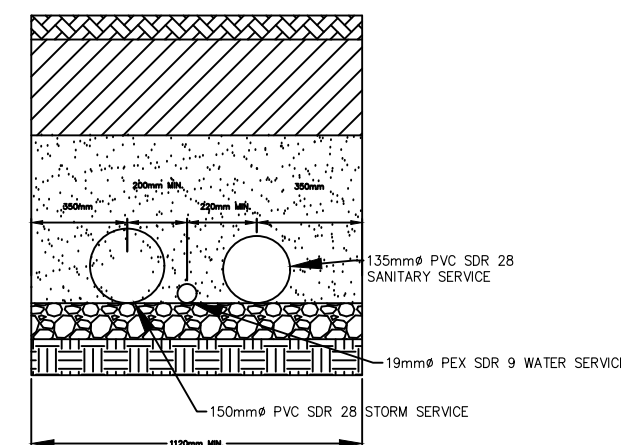
**SERVICE SLEEVE UNDER GARAGE DETAIL
(N.T.S.)**

NOTE:
SERVICES ARE TO HAVE BENDS WITHIN THE PRIVATE PROPERTY ONLY AND NOT WITHIN THE R.O.W..

TEMPORARY CONSTRUCTION ICD OPENING

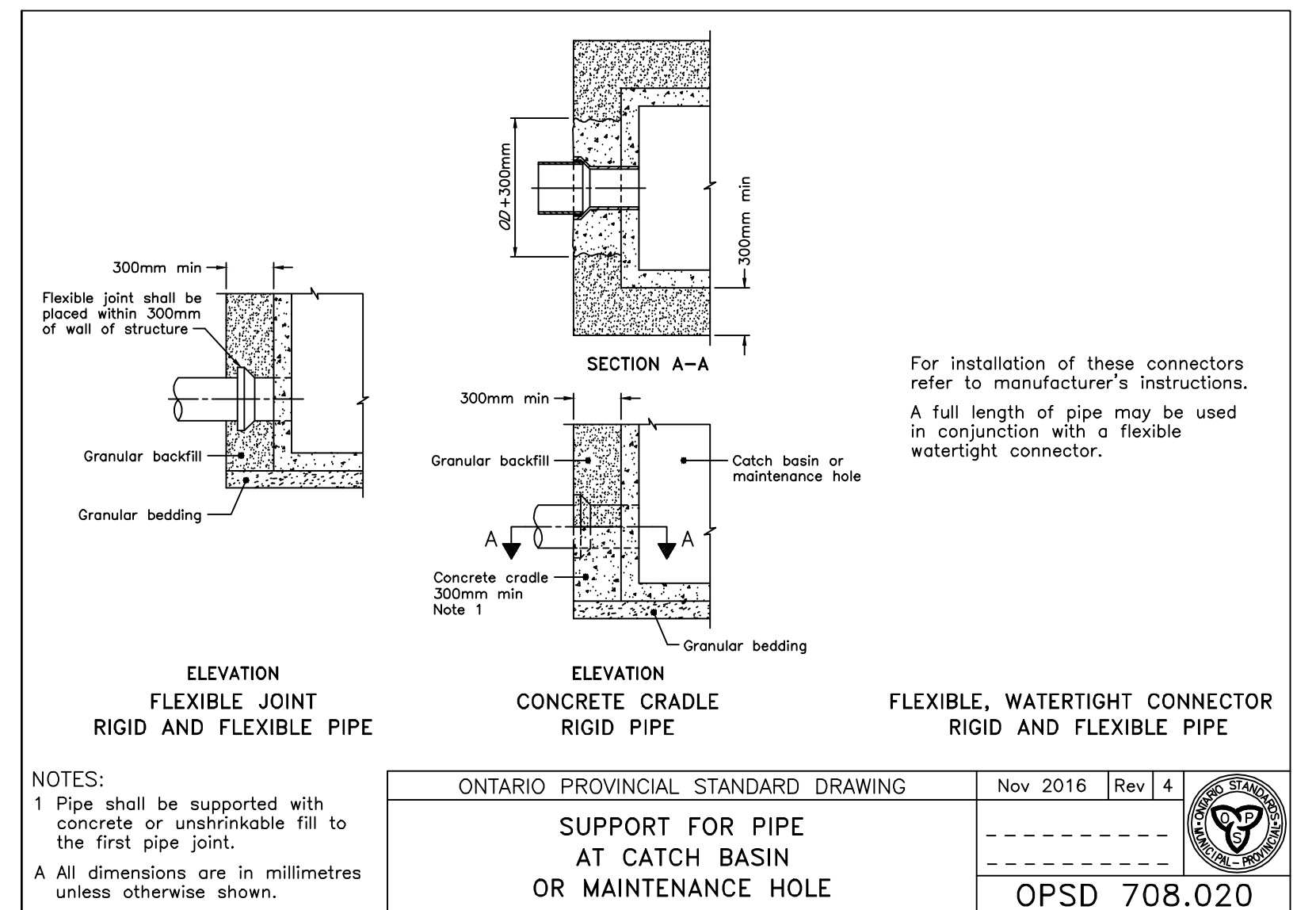


TEMPORARY CONSTRUCTION ICD TABLE				
MH NUMBER	INLET DIRECTION	PIPE SIZE	ICD TYPE	OPENING DIMENSION
SAN MH 2a	SOUTH	200mm	TRIANGULAR ORIFICE PLUG TYPE	70mm x 70mm
STM MH 2	SOUTH	1050mm	CIRCLE SEGMENT BOARD TYPE	266mm



NOTES:
1. NO HORIZONTAL BENDS IN R.O.W. UNLESS OTHERWISE APPROVED BY THE CITY.
2. MAXIMUM OF TWO (2) 22.5° HORIZONTAL BENDS FOR SANITARY AND STORM SERVICES.
3. 1% MINIMUM SANITARY AND STORM SERVICE GRADIENT WITH 2% PREFERRED.
4. SEE CITY OF OTTAWA STANDARD DETAIL DRAWING 57 FOR PIPE FOUNDATION, EMBEDMENT AND BACKFILL REQUIREMENTS.
5. MULTIPLE TAPS WITH SADDLES IN PVC WATERMAIN SHALL BE STAGGERED AND MINIMUM 600mm APART.

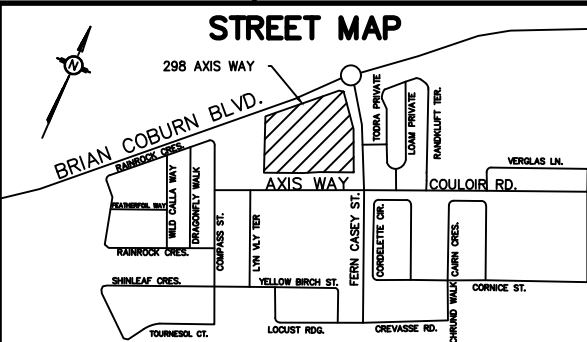
**COMMON TRENCH FOR TOWNHOMES
(N.T.S.)**



NOTES:
1 Pipe shall be supported with concrete or unshrinkable fill to the first pipe joint.
A All dimensions are in millimetres unless otherwise shown.

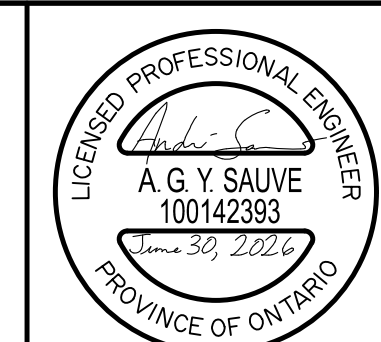
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2016	Rev 4
SUPPORT FOR PIPE AT CATCH BASIN OR MAINTENANCE HOLE		
OPSD 708.020		

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED, BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



No.	REVISION	APPLIES WHEN DRAWING MODIFIED	DATE	BY
1	FIRST SUBMISSION		DEC. 06/24	AGS
2	SECOND SUBMISSION		APR. 24/25	AGS
3	THIRD SUBMISSION		NOV. 12/25	AGS
4	FOURTH SUBMISSION		JUNE 30/26	AGS

SCALE	DESIGN
N.T.S.	AGS
	AGS
	JSC
	AGS
	AGS



CITY OF OTTAWA 298 AXIS WAY	MINTO COMMUNITIES INC.	PROJECT No. 240801
PLAN TYPICAL DETAILS AND TABLES		DRAWING No. 240801-TDI