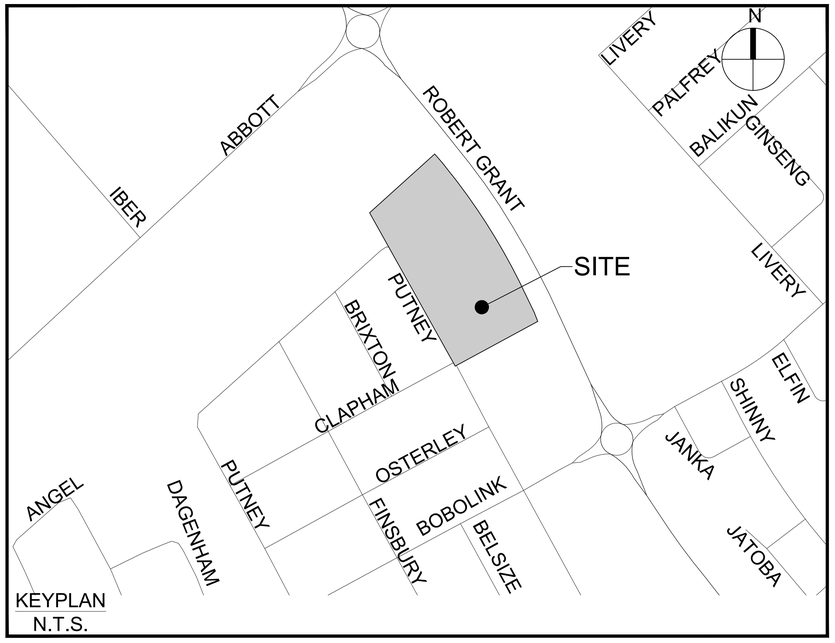
CRT BLOCK 324

CLARIDGE HOMES



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Sheet List Table

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000	Cover
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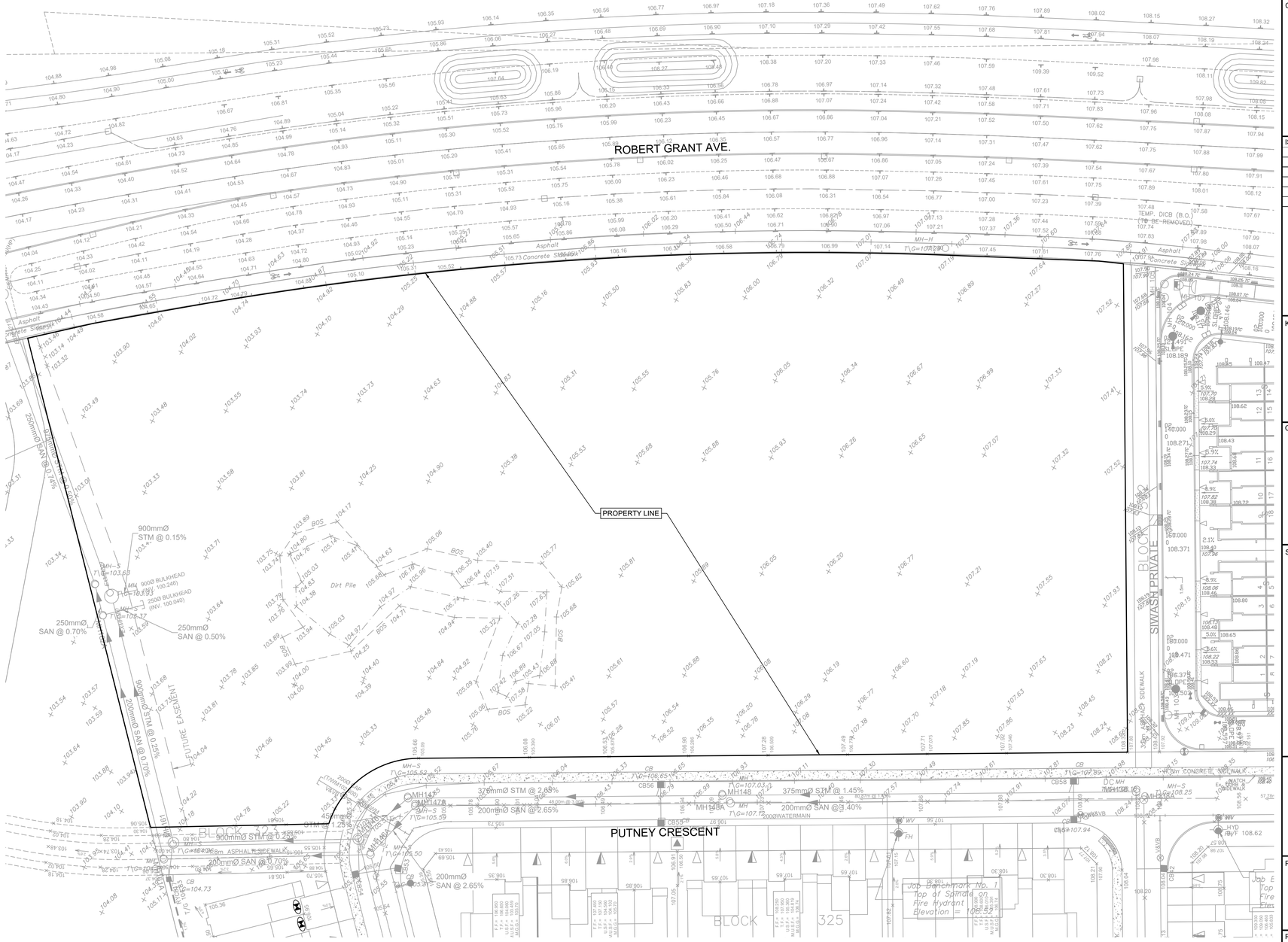
CITY OF OTTAWA

CONTRACT NO. 30259740

REVISED PER CITY COMMENTS 2026:11:20
CITY FILE No. D07-12-21-0022 CITY PLAN No. 18416



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CLARIDGE HOMES

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Arcadis Professional Services (Canada) Inc.
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ISSUES

No.	DESCRIPTION	DATE
1	ISSUED TO CITY FOR REVIEW	2026:06:23
2	REVISED PER CITY COMMENTS	2026:09:23
3	REVISED PER CITY COMMENTS	2026:11:20
4		
5		

-SEE 010 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS
-SITE BENCHMARK TO BE OBTAINED FROM LEGAL SURVEYOR AOV.

KEY PLAN



CONSULTANTS

1:400 0 4 12 20m

SEAL

LICENSED PROFESSIONAL ENGINEER
R. R. ROBINEAU
100611774
2026/11/20
PROVINCE OF ONTARIO

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Ottawa ON K1S 5N4 Canada
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PROJECT

CRT BLOCK 324

PROJECT NO:
30259740

DRAWN BY:	CHECKED BY:
EH/MM	RR
PROJECT MGR:	APPROVED BY:
RM	RM

SHEET TITLE

EXISTING CONDITIONS PLAN

SHEET NUMBER	ISSUE
C-000	3

File Location: C:\Users\dored5754\DC\ACCDocs\Arcadis ACC US\ACA-30259740-CRT Ph1 Blk 324\Project Files\10_WIP\04_CIVIL\Sheets\C-000_EXISTING CONDITIONS PLAN.dwg Last Saved: November 19, 2026, by dored5754 Plotted: November 19, 2026 1:40:57 PM by Dore, Denis

SCALE CHECK 1 in 10mm

CITY FILE No. D07-12-21-0022 CITY PLAN No. 18416

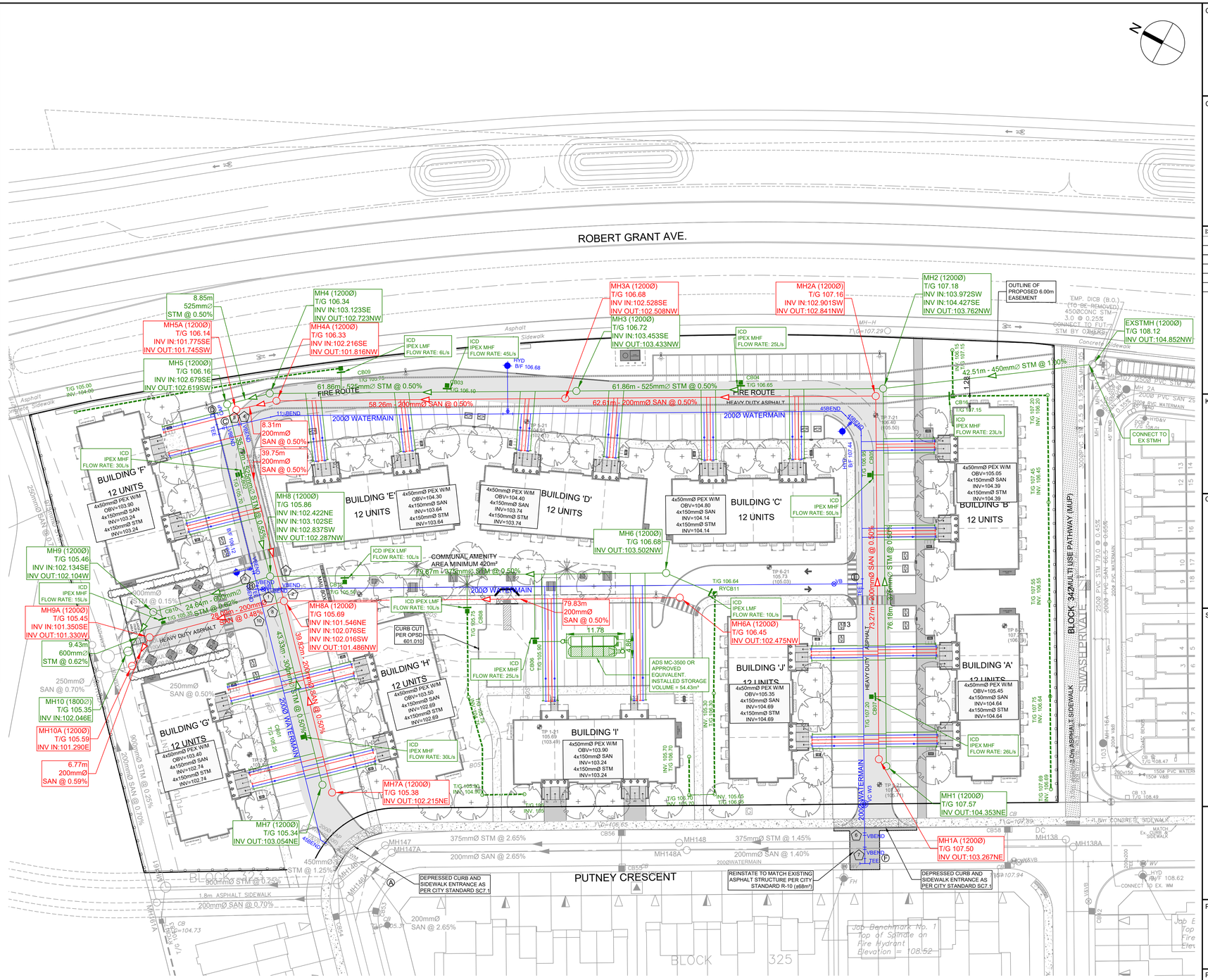
WATERMAIN SCHEDULE

	Station	Description	Finished Grade	Top of Waterain	As Built Waterain
A	0+000.00	EXISTING TEE	105.45	103.05	
	0+014.50	EXISTING VB	105.61	103.21	
	0+015.48	45 BEND	105.63	103.23	
	0+028.20	SERVICE TEE	105.48	103.08	
	0+029.32	SERVICE TEE	105.47	103.07	
	0+030.64	SERVICE TEE	105.44	103.04	
	0+032.26	SERVICE TEE	105.42	103.02	
	0+046.05	SERVICE TEE	105.57	103.17	
	0+047.14	SERVICE TEE	105.57	103.17	
	0+048.42	SERVICE TEE	105.56	103.16	
	0+050.06	SERVICE TEE	105.56	103.16	
B	0+067.49	TEE	105.70	103.30	
	0+067.78	V BEND	105.71	103.31	
	0+068.28	V BEND *	105.73	103.79	
	0+070.88	V BEND *	105.81	103.79	
	0+071.38	V BEND	105.83	103.43	
	0+072.02	HYD TEE	105.86	103.46	
	0+082.25	SERVICE TEE	105.90	103.50	
	0+084.10	SERVICE TEE	105.88	103.48	
	0+098.07	SERVICE TEE	105.95	103.55	
C	0+100.90	TEE	105.97	103.57	
	0+103.63	SERVICE TEE	105.99	103.59	
D	0+104.10	CAP	106.05	103.65	
B	0+000.00	TEE	105.70	103.30	
	0+000.98	VB	105.69	103.29	
	0+001.23	11 BEND	105.69	103.29	
	0+001.40	V BEND	105.690	103.29	
	0+001.90	V BEND *	105.690	103.93	
	0+004.20	V BEND *	105.660	103.93	
	0+004.70	V BEND	105.660	103.26	
	0+057.80	SERVICE TEE	106.16	103.76	
	0+059.65	SERVICE TEE	106.17	103.77	
	0+075.60	SERVICE TEE	106.29	103.89	
	0+077.48	SERVICE TEE	106.31	103.91	
	0+116.16	VB	107.45	105.05	
E	0+121.89	TEE	107.43	105.03	
C	0+000.00	TEE	105.97	103.57	
	0+001.28	V BEND	105.99	103.59	
	0+001.78	V BEND *	106.00	103.92	
	0+004.30	V BEND *	106.04	103.92	
	0+004.80	V BEND	106.05	103.65	
	0+012.15	11 BEND	106.28	103.88	
	0+019.04	SERVICE TEE	106.42	104.02	
	0+020.89	SERVICE TEE	106.42	104.02	
	0+036.94	SERVICE TEE	106.31	103.91	
	0+038.74	SERVICE TEE	106.30	103.90	
	0+058.78	HYD TEE	106.47	104.07	
	0+061.54	SERVICE TEE	106.54	104.14	
	0+063.39	SERVICE TEE	106.59	104.19	
	0+079.40	SERVICE TEE	106.94	104.54	
	0+081.26	SERVICE TEE	106.94	104.54	
	0+098.35	SERVICE TEE	106.80	104.40	
	0+100.17	SERVICE TEE	106.79	104.39	
	0+116.14	SERVICE TEE	107.04	104.64	
	0+117.98	SERVICE TEE	107.09	104.69	
	0+126.02	45 BEND	107.19	104.79	
	0+129.04	HYD TEE	107.20	104.80	
	0+131.68	45 BEND	107.19	104.79	
	0+137.70	SERVICE TEE	107.07	104.67	
	0+139.50	SERVICE TEE	107.06	104.66	
	0+155.48	SERVICE TEE	107.38	104.98	
	0+157.29	SERVICE TEE	107.40	105.00	
E	0+162.50	TEE	107.43	105.03	
	0+175.58	SERVICE TEE	107.35	104.95	
	0+177.38	SERVICE TEE	107.34	104.94	
	0+193.37	SERVICE TEE	107.50	105.10	
	0+195.17	SERVICE TEE	107.57	105.17	
	0+206.95	VB	107.61	105.21	
	0+212.76	V BEND	107.55	105.15	
	0+213.26	V BEND *	107.57	105.44	
	0+215.64	V BEND *	107.64	105.44	
	0+216.14	V BEND	107.64	105.24	
F	0+218.95	TEE	107.56	105.16	

* INSULATE PER W22

Pipe Interference Table

Crossing No.	PIPE 1	PIPE 2	Clearance
1	WM Bottom 103.72	STM Top 103.22	0.50
2	WM Bottom 103.18	SAN Top 101.76	1.42
3	WM Bottom 103.47	STM Top 102.96	0.50
4	WM Bottom 103.58	SAN Top 101.94	1.64
5	WM Bottom 103.71	STM Top 103.21	0.50
6	WM Bottom 105.21	STM Top 104.72	0.50
7	WM Bottom 105.22	SAN Top 103.99	1.23
8	STM Bottom 102.79	SAN Top 101.68	1.11
9	WM Bottom 103.03	SAN Top 101.78	1.26
10	WM Bottom 103.06	SAN Top 101.67	1.39



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KEY PLAN



CONSULTANTS

SEAL

LICENSED PROFESSIONAL ENGINEER
R. R. ROBINEAU
100611774
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PROJECT

CRT BLOCK 324

PROJECT NO: 30259740	
DRAWN BY: EH/MM	CHECKED BY: RR
PROJECT MGR: RM	APPROVED BY: RM

SHEET TITLE

SERVICING PLAN

SHEET NUMBER	ISSUE
C-001	3

SCALE CHECK 1:n 50mm

File Location: C:\Users\robineaur8722\DC\ACCDocs\Arcadis ACC US\ACA-30259740-CRT Ph1 Blk 324\Project Files\10_WIP\04_CIVIL\Sheets\C-001 SERVICING PLAN.dwg Last Saved: November 20, 2026, by robineaur8722 Plotted: November 20, 2026 9:00:40 AM by Robineau, Ryan

CITY FILE No. D07-12-21-0022 CITY PLAN No. 18416

GENERAL LEGEND

- LIMIT OF CONSTRUCTION
- PHASING LINE
- BARRIER CURB
- MOUNTABLE CURB
- DEPRESSED BARRIER CURB
- 1.8m WIDE CONCRETE CROSS WALK WITH TWSI AND TRANSITIONS
- CONCRETE SIDEWALK WITH TWSI AND TRANSITIONS
- ASPHALT SIDEWALK — ASPHALT SIDEWALK / PATHWAY
- BUS — BUS STOP CONCRETE / ASPHALT

SERVICING LEGEND

- MH118A — SANITARY MANHOLE
- 200mmø SAN — SANITARY SEWER
- MH109 / MH118 — STORM MANHOLE
- 825mmø STM — STORM SEWER - LESS THAN 900Ø
- 900mmø STM — STORM SEWER - 900Ø AND GREATER
- 200Ø WATERMAIN — WATERMAIN
- CB100, T/G 104.10 — STREET CATCHBASIN C/W TOP OF GRATE
- CICB101, G/G 104.25 — CURB INLET CATCHBASIN C/W GUTTER GRADE
- DCB100, T/G 104.10 — DOUBLE CATCHBASIN C/W TOP OF GRATE
- DCICB101, G/G 104.25 — DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE
- DI101, T/G 103.59 — DITCH INLET MANHOLE C/W TOP OF GRATE
- CBMH101, T/G 103.59 — CATCHBASIN MANHOLE C/W TOP OF GRATE
- RYCB, T/G 104.35 — REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE
- T/G 104.35, INV 103.35 — REAR YARD "TEE" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
- T/G 104.50, INV 103.50 — REAR YARD "END" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
- T/G 104.35, INV 103.35 — REAR YARD "CUSTOM ANGLED " CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
- T/G 104.35, INV 103.35 — REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
- PERFORATED REAR YARD SUBDRAIN INSTALLATION PER CITY S29
- 300mmø CSP — CSP CULVERT C/W DIAMETER
- VB — VALVE AND VALVE BOX
- VBVC — VALVE AND VALVE CHAMBER
- PARK VALVE CHAMBER C/W SERVICE POST
- HYD, GRADE — FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION
- 200Ø WM — RED — 150Ø WM — WATERMAIN REDUCER
- 2 VBENDS — VERTICAL BEND LOCATION
- SIAMESE CONNECTION (IF REQUIRED)
- M — METER (IF REQUIRED)
- RM — REMOTE METER (IF REQUIRED)
- A — WATERMAIN IDENTIFICATION (IF REQUIRED)
- BH 12, 102.00 — PIPE CROSSING IDENTIFICATION (IF REQUIRED)
- INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)
- HGL, 101.79 — 100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE
- USF, 101.79 — UNDERSIDE OF FOOTING ELEVATION
- CLAY SEAL IN SEWER / WATERMAIN TRENCH

UTILITY LEGEND

- TRANSFORMER
- TRANSFORMER C/W CONCRETE WINGS
- HSG — HYDRO SWITCHGEAR
- HMH — HYDRO MANHOLE
- BELL PEDESTAL
- GLB — BELL GRADE LEVEL BOX (l=600mm, w=1200mm, d=750mm) C/W 1.5 x 3.0m easement
- FC — BELL FIBER CABINET (l=1200mm, w=750mm, d=500mm)
- CSP — BELL CENTRAL SPLITTING POINTS (l=1175mm, w=1200mm, d=500mm)
- ROGERS PEDESTAL
- ROGERS VAULT (l=1000mm, w=1000mm, d=1200mm) C/W 1m x 2m easement
- P30 — STREET LIGHT
- STREET LIGHT DISCONNECT
- STREET LIGHT GROUNDING
- H/B/T/G/S — JOINT UTILITY TRENCH
- H — HYDRO CABLE AND DUCTS
- B — BELL CABLE
- BB — BELL DUCTS
- T — ROGERS CABLE
- TT — ROGERS DUCTS
- G — GAS
- S — STREET LIGHT CABLE
- UTILITY DROP LOCATIONS
- 10-DUCTS, 6-H, 4-T — CONCRETE ENCASED DUCT BANK C/W NUMBER OF DUCTS
- CMB — COMMUNITY MAILBOX
- PROPOSED TREE LOCATION
- ROOT MANAGEMENT BARRIER

UTILITY NOTES :

1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
2. THE POSITION OF UNDERGROUND AND ABOVEGROUND SERVICE, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE, UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOW ON THESE DRAWINGS.
5. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.
6. THE COMPOSITE UTILITY PLAN HAS BEEN REVIEWED BY ARCADIS FOR CONFORMITY TO THE DESIGN CONCEPT FOR THE DEVELOPMENT AND FOR GENERAL ARRANGEMENT ONLY AND AS SUCH SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN EITHER LAYOUT OR WORKMANSHIP.
7. THIS DRAWING IS A COMPILATION OF OTHER UTILITY DESIGNS AND DOES NOT INDICATE IN ANY WAY THAT THE PARTY SIGNING THIS DRAWING HAS DESIGNED OR APPROVED THE RESPECTIVE UTILITY PLANTS INDICATED ON THIS DRAWING. THE DRAWING WAS PREPARED TO BE USED AS REFERENCE ONLY AS PER REQUIREMENTS OF THE CITY OF OTTAWA. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE IT HAS REVIEWED THE CURRENT AND EXISTING DESIGNS BY HYDRO, STREET LIGHTING, BELL, CANADA POST, O.C. TRANSPO, CABLE TV AND ANY OTHER PARTIES INCLUDED BUT NOT MENTIONED AND COMPLETE THE INSTALLATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAKEHOLDER UTILITY DESIGNS.
8. CONTRACTOR TO ADVISE ENGINEER IN WRITING OF ANY DISCREPANCIES IN THE HYDRO, BELL, ROGERS, ENBRIDGE, AND STREETLIGHT DRAWINGS, AND THE CUP AHEAD OF INSTALLATION.
9. HYDRO INSPECTOR IS TO BE NOTIFIED AND PRESENT AHEAD OF HYDRO INSTALLATION
10. BELL AND ROGERS VAULT EASEMENT SIZE AND LOCATION ARE AS SHOWN ON THE CUP. ANY LOCATION DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER IN WRITING AHEAD OF INSTALLATION.
11. BELL AND ROGERS VAULTS ARE TO BE PLACED TO THE EXTENT POSSIBLE IN THE RIGHT OF WAY RESPECTING THE REQUIRED CLEARANCES FROM DUCTS IN THE JOINT UTILITY TRENCH. IF VAULTS ARE ON PRIVATE PROPERTY THEY MUST BE PLACED WITHIN THE EASEMENT. VERIFY VAULT CORNERS PRIOR TO FINAL INSTALLATION AND FIBRE LINE PLACEMENT. VAULTS INSTALLED IN THE WRONG LOCATION OR OUTSIDE THE EASEMENTS WILL BE RELOCATED AT THE COST OF BELL AND ROGERS.
12. UTILITY EASEMENTS ARE TO BE STAKED - ALL 4 CORNERS WITH PROPOSED FINAL GRADES MARKED ON THE STAKES.
13. STREETLIGHTS ARE TO BE INSTALLED AT THE OFFSETS FROM FACE OF CURB SHOWN ON THE APPROVED ROAD SECTIONS FOR THE PROJECT.
14. CAD FILES OF THE CUP PROVIDED BY THE ENGINEER ARE AS A COURTESY ONLY TO ASSIST THE CONTRACTOR. LAYOUT OF THE UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR AND LEGAL SURVEYOR.

NOTES :

1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
2. THE POSITION OF UNDERGROUND AND ABOVE GROUND SERVICE, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE, UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOW ON THESE DRAWINGS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL LANDS BEYOND THE SITE LIMITS. ANY AREAS BEYOND THE SITE LIMITS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ADJACENT LAND OWNER, THE OWNER, THE OWNERS REPRESENTATIVES AND/OR THE AUTHORITY HAVING JURISDICTION AT THE EXPENSE OF THE CONTRACTOR.
6. WHERE NECESSARY, THE CONTRACTOR SHALL IMPLEMENT A TRAFFIC MANAGEMENT PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE LATEST VERSION OF THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY TRAFFIC CONTROL MEASURES MUST BE REMOVED UPON THE COMPLETION OF THE WORKS.
7. SHOULD ANY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER TO CONTACT THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE MUST BE NOTIFIED IMMEDIATE, AND WORK WITHIN THE AREA SHALL BE CEASED UNTIL FURTHER NOTICE.
8. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT PG2236-3 PREPARED BY PATERSON.

   LOCAL ROAD (690mm)
   40mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
   50mm - SUPERPAVE 19.0 ASPHALTIC CONCRETE
   150mm - OPSS GRANULAR "A" CRUSHED STONE
   450mm - OPSS GRANULAR "B" TYPE II

   CAR ONLY PARKING AREA : (500mm)
   50mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
   150mm - OPSS GRANULAR "A" CRUSHED STONE
   300mm - OPSS GRANULAR "B" TYPE II
9. FOR GEODETIC **BENCHMARK** AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY AOV BENCHMARK BASED ON CAN--NET VIRTUAL REFERENCE SYSTEM NETWORK.
10. FOR SITE PLAN INFORMATION, REFER TO SITE PLAN PREPARED BY RLA
11. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES
12. ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
13. IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMAINS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMAINS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
14. THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL PLAN PRIOR TO THE COMMENCEMENT OF ANY SITE CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER, OR ANY REGULATORY AGENCY. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE START OF A SUBSEQUENT PHASE.
15. CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE SHOULD THE MAXIMUM OPSD TRENCH WIDTH BE EXCEEDED.
17. ALL PIPE, CULVERTS, STRUCTURES REFER TO NOMINAL INSIDE DIMENSIONS.
18. SHOULD CLAY SEALS BE REQUIRED, THEY SHALL BE INSTALLED AS PER THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT.
19. UNLESS SPECIFICALLY NOTED OTHERWISE, PIPE MATERIALS SHALL BE AS FOLLOWS;
    -WATERMAINS TO BE PVC DR18
    -SANITARY SEWER TO BE PVC DR35
    -PERFORATED STORM SEWERS IN REAR YARDS AND LANDSCAPE AREAS TO BE HDPE
    -STORM SEWERS 375mm DIAMETER AND LESS TO BE PVC DR35
    -STORM SEWERS 450mm DIAMETER AND GREATER TO BE CONCRETE, CLASS AS PER OPSD 807.010 OR 807.030, OR HIGHER
    FOR SHALLOW SEWERS, REFER TO CITY STANDARD S35.
20. ALL CONNECTIONS TO EXISTING WATERMAINS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.
21. ANY WATERMAIN WITH LESS THAN 2.4m AND ANY SEWER WITH LESS THAN 2.0m DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22 OR AS APPROVED BY THE ENGINEER.
22. ALL FIRE HYDRANTS AS PER CITY STANDARD W19, c/w 150mmØ LEAD UNLESS OTHERWISE SPECIFIED.
23. ALL STUBBED SEWERS SHALL HAVE PRE-MANUFACTURED CAPS INSTALLED.
24. ALL CATCHBASINS SHALL HAVE A 600mm SUMP. ALL CATCHBASIN MANHOLES, AND ALL STORM MANHOLES WITH OUTLETTING PIPE SIZES LESS THAN 900mm, SHALL HAVE A 300mm SUMP.
25. ALL SANITARY MANHOLES IN PONDING AREAS SHALL BE EQUIPPED WITH A WATERTIGHT COVER.
26. ALL LEADS FOR STREET CATCHBASIN'S AND CURB INLET CATCHBASIN'S CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCB'S CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
27. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STREET CATCHBASINS SHALL BE INSTALLED WITH TWO - 3.0m MINIMUM SUBDRAINS INSTALLED LONGITUDINALLY, PARALLEL WITH THE CURB. ALL CATCHBASINS IN ASPHALT AREAS, NOT ADJACENT TO A CURB, SHALL BE INSTALLED WITH FOUR - 3.0m MINIMUM SUBDRAINS INSTALLED ORTHOGONALLY.
28. INLET CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMPLETING THE ROAD BASE (GRANULAR A).
29. ALL SEWER SERVICE LATERALS WITH MAINLINE CONNECTIONS DEEPER THAN 5.0m REQUIRE A CONTROLLED SETTLEMENT JOINT.
30. EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS).
31. THE SUBGRADE OF ALL STRUCTURES, PIPE, ROADS, SIDEWALKS, WALKWAYS, AND BUILDINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
32. TOP COURSE ASPHALT SHALL NOT BE PLACED UNTIL THE FINAL CCTV INSPECTION AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
33. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT SHALL BE DESIGNED BY A QUALIFIED STRUCTURAL ENGINEER.
34. ALL RETAINING WALLS GREATER THAN 0.6m IN HEIGHT REQUIRE A GUARD. ANY GUARD ON A RETAINING WALL GREATER THAN 1.0m IN HEIGHT SHALL BE DESIGNED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THE WALL DESIGN.
35. UPON COMPLETION OF THE RETAINING WALL, THE CONTRACTOR SHALL REQUEST A CONFORMANCE CERTIFICATE FROM THE QUALIFIED ENGINEER RESPONSIBLE FOR THE WALL DESIGN.

CATCHBASIN/CATCHBASIN MANHOLE/DITCH INLET DATA

STRUCTURE ID	STORM AREA ID	STRUCTURE	FRAME & COVER	ELEVATION			OUTLET PIPE		INLET CONTROL DEVICE				COMMENTS
				TOP OF GRATE	INVERT		DIAMETER	TYPE	100yr Dynamic HEAD	RESTRICTED FLOW	ICD TYPE	ORIFICE SIZE	
					INLET	OUTLET	(mm)			(l/s)		CIRCULAR (mm dia.)	
CB01	S107	OPSD 705.010	S19	105.25		103.85	200	PVC DR35	1.650	30.00	IPEX MHF	106	
CB02	S105	OPSD 705.010	S19	105.70		104.30	200	PVC DR35	1.650	30.00	IPEX MHF	106	
CB03	S103	OPSD 705.010	S19	106.10		104.70	200	PVC DR35	1.650	45.00	IPEX MHF	129	
CB04	S102	OPSD 705.010	S19	106.65		105.25	200	PVC DR35	1.650	25.00	IPEX MHF	95	
CB05	S101	OPSD 705.010	S19	106.95		105.55	200	PVC DR35	1.650	50.00	IPEX MHF	136	
CB06	S106	OPSD 705.010	S19	105.90		104.50	200	PVC DR35	1.650	25.00	IPEX MHF	95	
CB07	S100	OPSD 705.010	S19	107.20		105.80	200	PVC DR35	1.650	26.00	IPEX MHF	97	
CB08	RY113	OPSD 705.010	S19	105.75		104.35	200	PVC DR35	1.650	10.00	IPEX LMF		
CB09	S104	OPSD 705.010	S19	105.75		104.35	200	PVC DR35	1.650	6.00	IPEX LMF		
CB10	S108	OPSD 705.010	S19	105.35		103.95	200	PVC DR35	1.650	15.00	IPEX MHF	75	
CB12	RY106	OPSD 705.010	S19	105.50		104.10	200	PVC DR35	1.650	10.00	IPEX LMF		
CB16	RY116/BLK342	OPSD 705.010	S19	107.15		105.75	200	PVC DR35	1.650	23.00	IPEX MHF	91	
RYCB11	RY119	OPSD 705.010	S19 c/w Solid Cover	106.64		105.24	200	PVC DR35	1.600	10.00	IPEX LMF		

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-SITE BENCHMARK TO BE OBTAINED FROM LEGAL SURVEYOR AOV.

KEY PLAN



CONSULTANTS

SEAL

LICENSED PROFESSIONAL ENGINEER
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100611774
2026/11/20
PROVINCE OF ONTARIO

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PROJECT
CRT BLOCK 324

PROJECT NO:
30259740

DRAWN BY: **EH/MM** | CHECKED BY: **RR**
PROJECT MGR: **RM** | APPROVED BY: **RM**

SHEET TITLE
NOTES & LEGEND

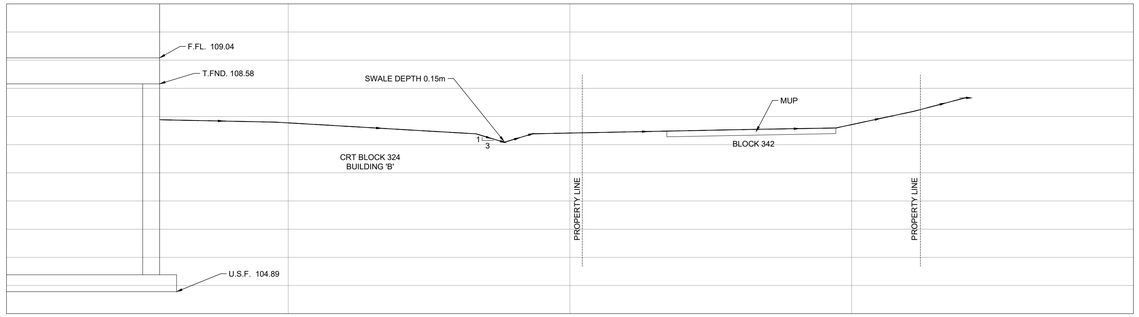
SHEET NUMBER
C-010

ISSUE
3

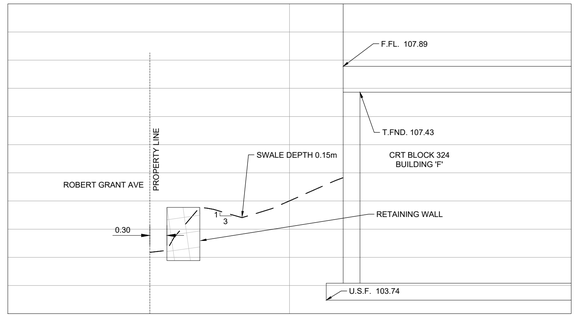
SCALE CHECK
1:1 — 10mm

File Location: C:\Users\dones5754\DC\ACCDocs\Arcadis ACC US\AOA-30259740-CRT Ph1 Blk 324\Project Files\10_WIP\04_CIVIL\Sheets\C-010 NOTES-LEGEND.dwg Last Saved: November 19, 2026, by dones5754 Plotted: November 19, 2026 1:41:06 PM by Dones, Dennis

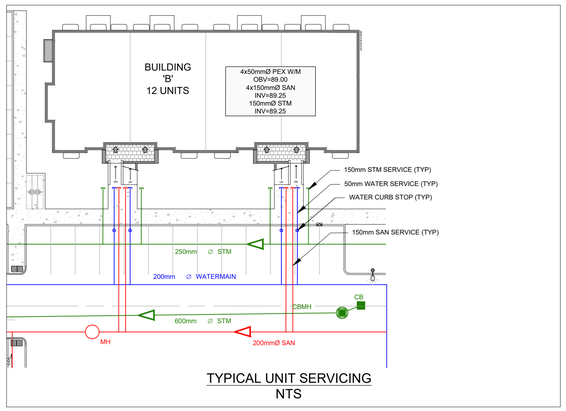
CITY FILE No. D07-12-21-0022 CITY PLAN No. 18416



SECTION A:A
NTS



SECTION B:B
NTS



TYPICAL UNIT SERVICING
NTS

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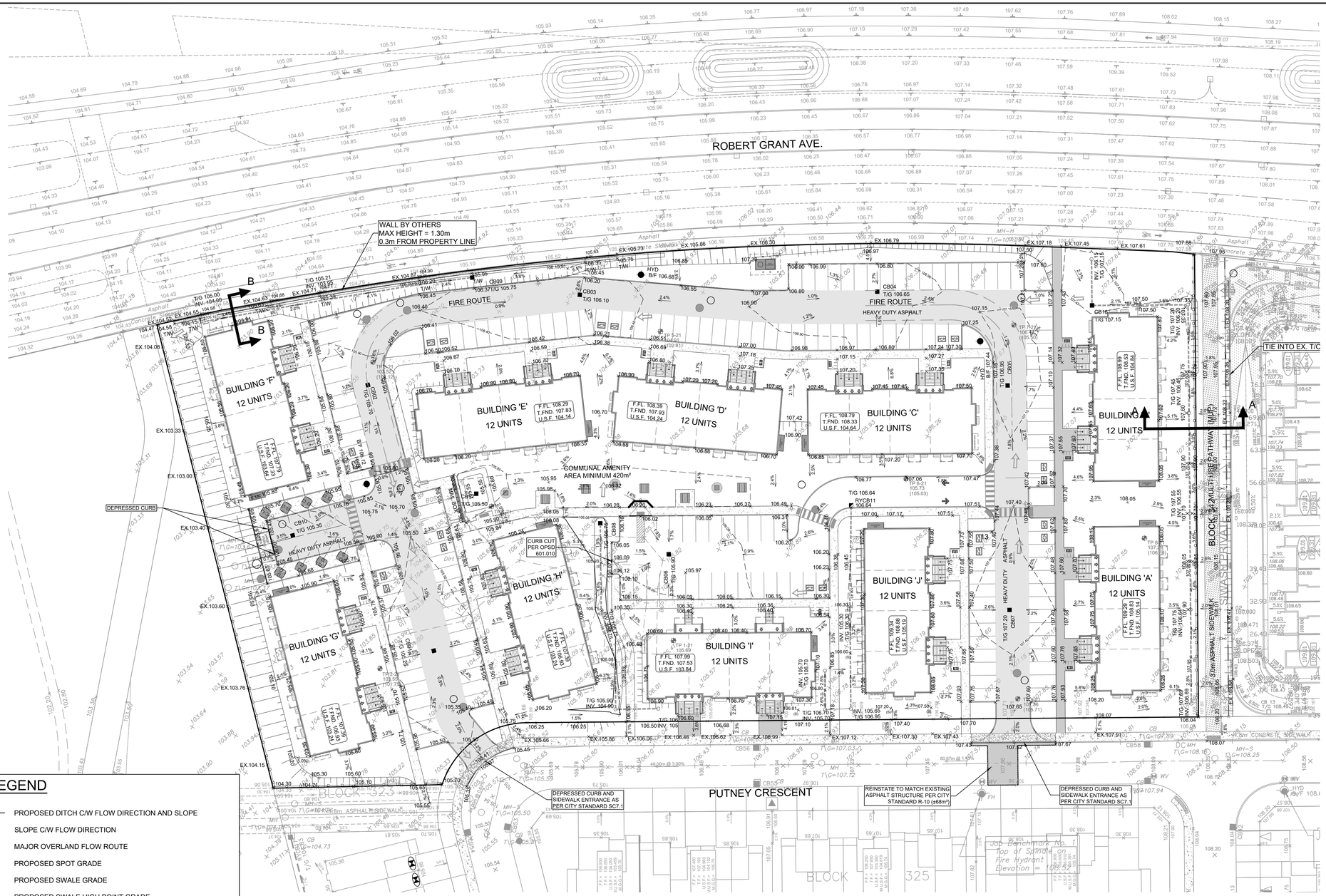
SITE
ABBOTT
TERRY FOX DRIVE
ETHAN
PROVENCE
ROBERT GRANT AVE
VIENNA
ROBERT GRANT AVE
ROBERT GRANT AVE
CASSELMAN
ROBERT GRANT AVE
ROBERT GRANT AVE
ROBERT GRANT AVE



GRADING LEGEND

- PROPOSED DITCH C/W FLOW DIRECTION AND SLOPE
- SLOPE C/W FLOW DIRECTION
- MAJOR OVERLAND FLOW ROUTE
- PROPOSED SPOT GRADE
- PROPOSED SWALE GRADE
- PROPOSED SWALE HIGH POINT GRADE
- EXISTING GRADE
- FULL STATIC PONDING GRADE
- RETAINING WALL C/W TOP OF WALL AND GRASS GRADE
- TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE
- PRESSURE REDUCING VALVE
- F.FL. 108.29 / T.FND. 107.83 / U.S.F. 104.14 — FINISHED MAIN FLOOR ELEVATION / TOP OF FOUNDATION ELEVATION / UNDERSIDE OF FOOTING ELEVATION
- NOISE BARRIER LOCATION
- NOISE BARRIER GATE
- RIP-RAP
- TOWN HOUSE SPLITS
- 2hr FIREWALL — 2 hr FIREWALL

NOTE:

SEE DWG C-012 FOR CROSS SECTIONS A-A AND B-B

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KEY PLAN



CONSULTANTS

1:400 0 4 12 20m

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2026/11/20
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PROJECT

CRT BLOCK 324

PROJECT NO:
30259740

DRAWN BY:	CHECKED BY:
EH/MM	RR
PROJECT MGR:	APPROVED BY:
RM	RM

SHEET TITLE

GRADING PLAN

SHEET NUMBER	ISSUE
C-200	3

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SCALE CHECK 1 in 10mm

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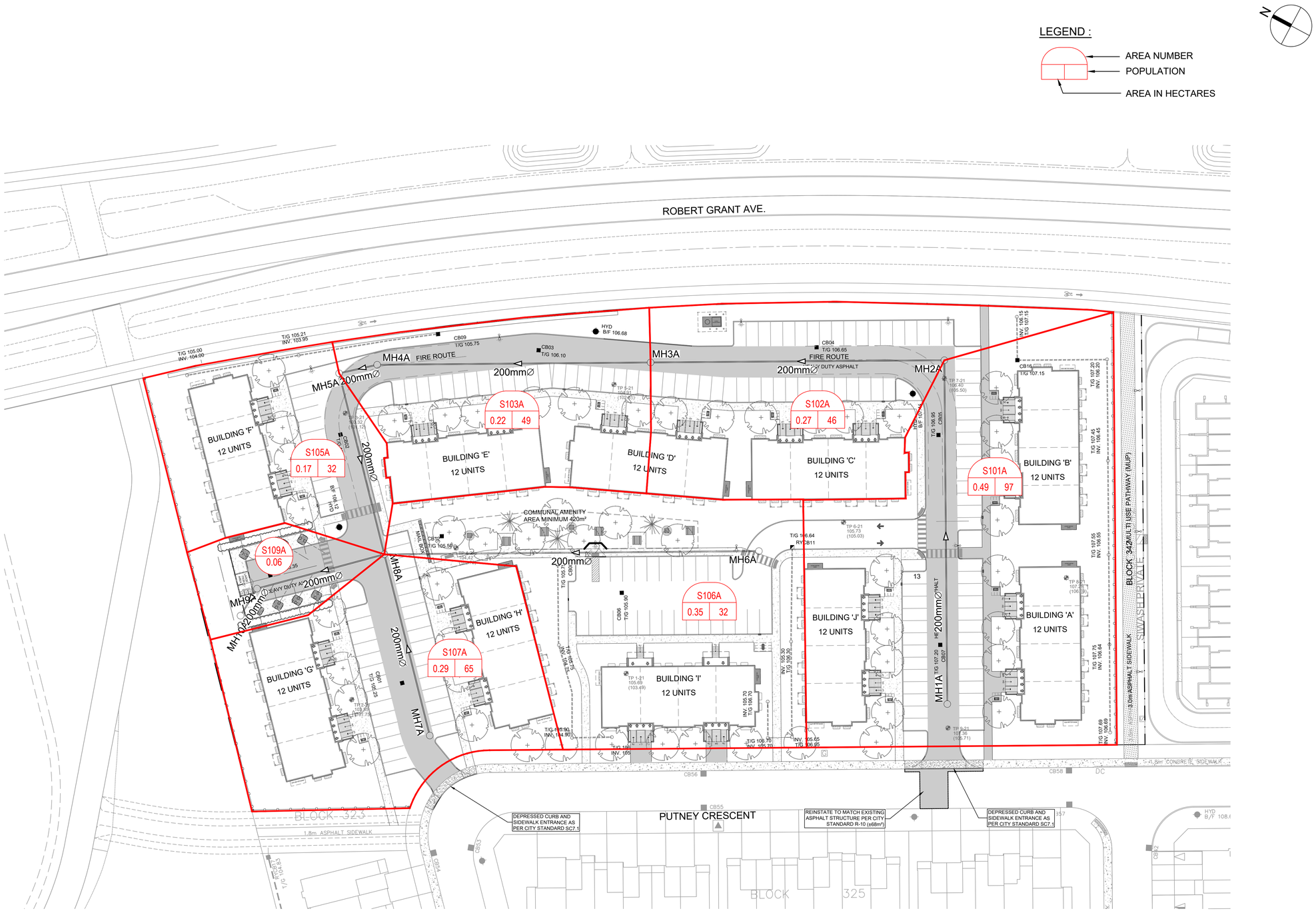

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KEY PLAN



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1:400 0 4 12 20m

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2026/11/20
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PROJECT

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PROJECT NO: 30259740

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RM	RM

SHEET TITLE

SANITARY DRAINAGE AREA PLAN

SHEET NUMBER	ISSUE
C-400	3

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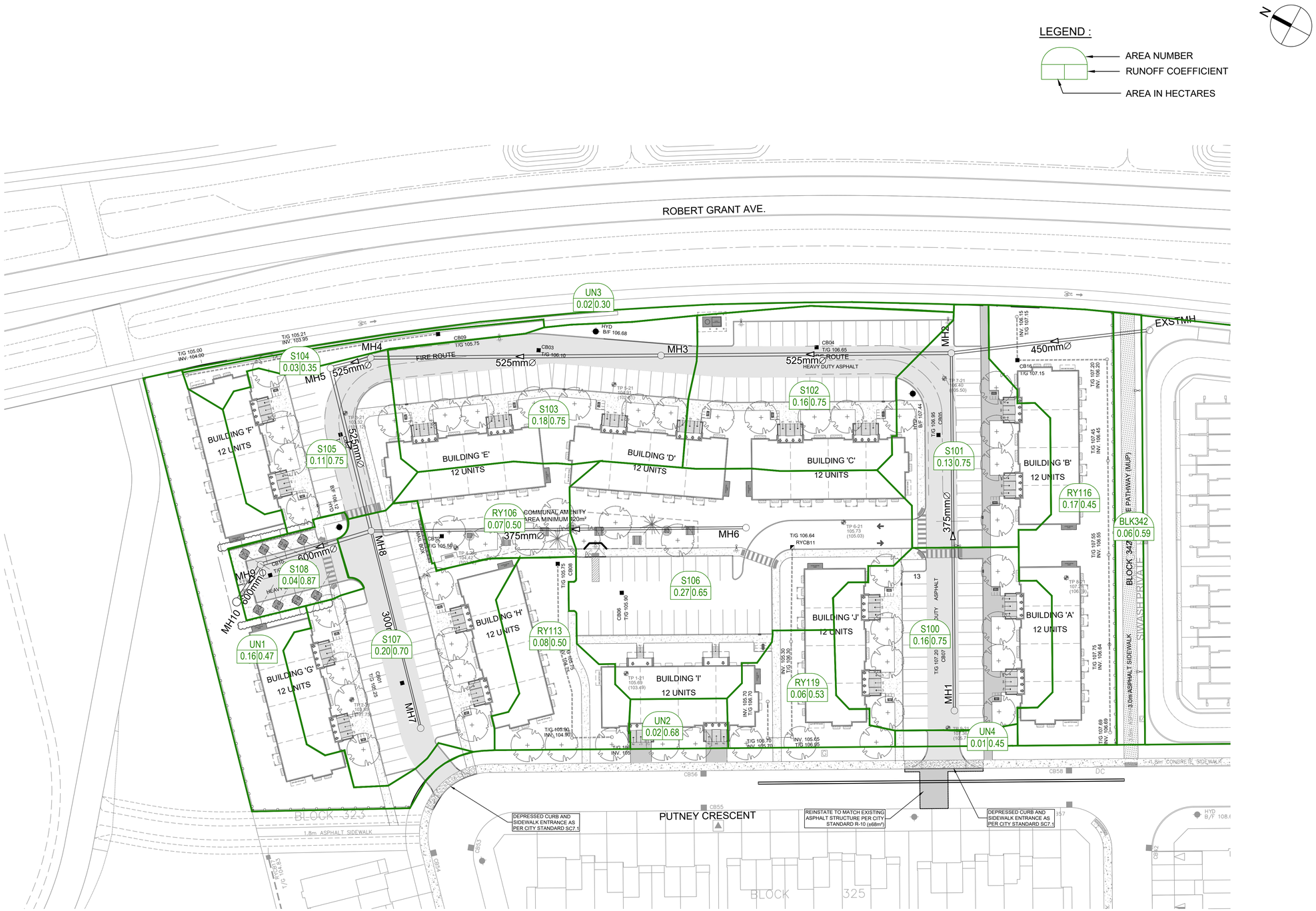

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KEY PLAN



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1:400

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PROJECT

CRT BLOCK 324

PROJECT NO: 30259740

DRAWN BY:	CHECKED BY:
EH/MM	RR
PROJECT MGR:	APPROVED BY:
RM	RM

SHEET TITLE

STORM DRAINAGE AREA PLAN

SHEET NUMBER	ISSUE
C-500	3

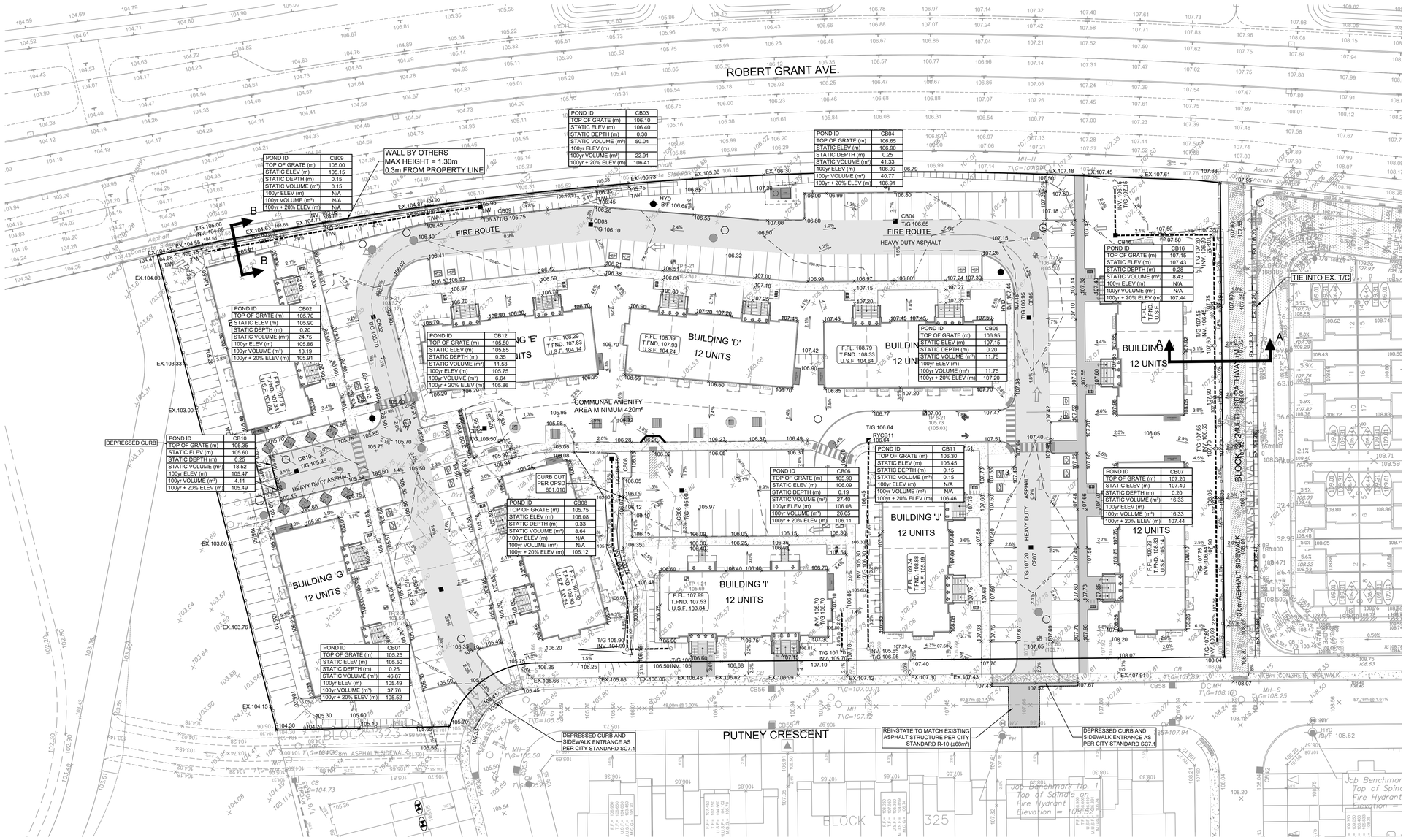
File Location: C:\Users\robineau8722\DC\ACCDocs\Arcadis ACC US\ACA-30259740-CRT Ph1 Blk 324\Project Files\10_WIP\04_CIVIL\Sheets\C-500 STORM DRAINAGE AREA PLAN.dwg Last Saved: November 19, 2026, by dored5754 Plotted: November 20, 2026 9:05:47 AM by Robineau, Ryan

SCALE CHECK 1 in 10mm

CITY FILE No. D07-12-21-0022 CITY PLAN No. 18416

PONDING LEGEND

- PROPOSED DITCH C/W FLOW DIRECTION AND SLOPE
- SLOPE C/W FLOW DIRECTION
- MAJOR OVERLAND FLOW ROUTE
- PROPOSED SPOT GRADE
- PROPOSED SWALE GRADE
- PROPOSED SWALE HIGH POINT GRADE
- FULL STATIC PONDING GRADE
- RETAINING WALL C/W TOP OF WALL
- TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE



POND ID	CB09
TOP OF GRATE (m)	105.00
STATIC ELEV (m)	105.15
STATIC DEPTH (m)	0.15
STATIC VOLUME (m³)	0.15
100yr ELEV (m)	N/A
100yr VOLUME (m³)	N/A
100yr + 20% ELEV (m)	N/A

POND ID	CB03
TOP OF GRATE (m)	106.10
STATIC ELEV (m)	106.40
STATIC DEPTH (m)	0.30
STATIC VOLUME (m³)	50.04
100yr ELEV (m)	
100yr VOLUME (m³)	22.91
100yr + 20% ELEV (m)	106.41

POND ID	CB04
TOP OF GRATE (m)	106.65
STATIC ELEV (m)	106.90
STATIC DEPTH (m)	0.25
STATIC VOLUME (m³)	41.33
100yr ELEV (m)	106.90
100yr VOLUME (m³)	40.77
100yr + 20% ELEV (m)	106.91

POND ID	CB16
TOP OF GRATE (m)	107.15
STATIC ELEV (m)	107.43
STATIC DEPTH (m)	0.28
STATIC VOLUME (m³)	8.43
100yr ELEV (m)	N/A
100yr VOLUME (m³)	N/A
100yr + 20% ELEV (m)	107.44

POND ID	CB02
TOP OF GRATE (m)	105.70
STATIC ELEV (m)	105.90
STATIC DEPTH (m)	0.20
STATIC VOLUME (m³)	24.75
100yr ELEV (m)	105.86
100yr VOLUME (m³)	13.19
100yr + 20% ELEV (m)	105.91

POND ID	CB12
TOP OF GRATE (m)	105.50
STATIC ELEV (m)	105.85
STATIC DEPTH (m)	0.35
STATIC VOLUME (m³)	11.53
100yr ELEV (m)	105.75
100yr VOLUME (m³)	6.64
100yr + 20% ELEV (m)	105.86

POND ID	CB05
TOP OF GRATE (m)	106.95
STATIC ELEV (m)	107.15
STATIC DEPTH (m)	0.20
STATIC VOLUME (m³)	11.75
100yr ELEV (m)	
100yr VOLUME (m³)	11.75
100yr + 20% ELEV (m)	107.20

POND ID	CB10
TOP OF GRATE (m)	105.35
STATIC ELEV (m)	105.60
STATIC DEPTH (m)	0.25
STATIC VOLUME (m³)	18.52
100yr ELEV (m)	105.47
100yr VOLUME (m³)	4.11
100yr + 20% ELEV (m)	105.49

POND ID	CB11
TOP OF GRATE (m)	106.30
STATIC ELEV (m)	106.45
STATIC DEPTH (m)	0.15
STATIC VOLUME (m³)	0.15
100yr ELEV (m)	N/A
100yr VOLUME (m³)	N/A
100yr + 20% ELEV (m)	106.46

POND ID	CB06
TOP OF GRATE (m)	105.90
STATIC ELEV (m)	106.09
STATIC DEPTH (m)	0.19
STATIC VOLUME (m³)	27.40
100yr ELEV (m)	106.08
100yr VOLUME (m³)	26.65
100yr + 20% ELEV (m)	106.11

POND ID	CB07
TOP OF GRATE (m)	107.20
STATIC ELEV (m)	107.40
STATIC DEPTH (m)	0.20
STATIC VOLUME (m³)	16.33
100yr ELEV (m)	
100yr VOLUME (m³)	16.33
100yr + 20% ELEV (m)	107.44

POND ID	CB08
TOP OF GRATE (m)	105.75
STATIC ELEV (m)	106.08
STATIC DEPTH (m)	0.33
STATIC VOLUME (m³)	8.64
100yr ELEV (m)	N/A
100yr VOLUME (m³)	N/A
100yr + 20% ELEV (m)	106.12

POND ID	CB01
TOP OF GRATE (m)	105.25
STATIC ELEV (m)	105.50
STATIC DEPTH (m)	0.25
STATIC VOLUME (m³)	46.87
100yr ELEV (m)	105.49
100yr VOLUME (m³)	37.76
100yr + 20% ELEV (m)	105.52

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KEY PLAN



CONSULTANTS

1:400 0 4 12 20m

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PROJECT

CRT BLOCK 324

PROJECT NO: 30259740	
DRAWN BY: **EH/MM**	CHECKED BY: **RR**
PROJECT MGR: **RM**	APPROVED BY: **RM**

SHEET TITLE

PONDING PLAN

SHEET NUMBER	ISSUE
C-600	3

SCALE CHECK 1 in

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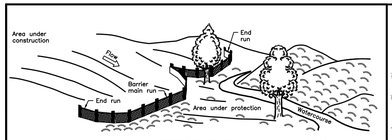
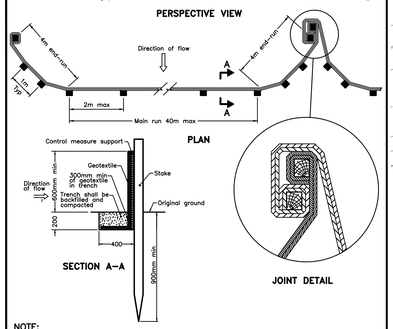
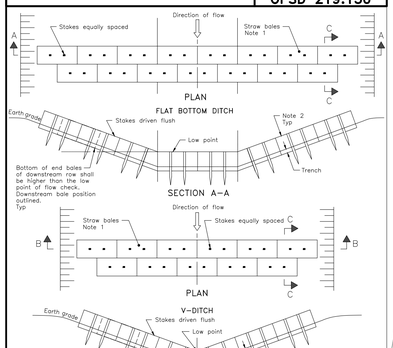


PERSPECTIVE VIEW



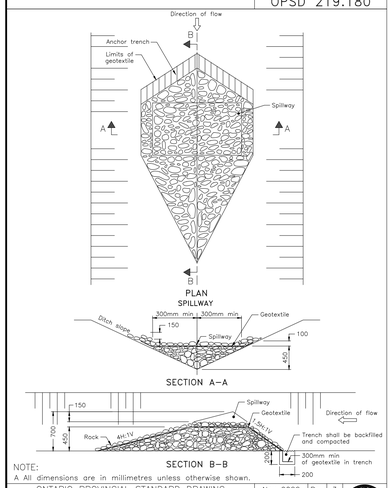
NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev 3
HEAVY–DUTY SILT FENCE BARRIER		OPSD 219.130



NOTES:
1 Number of bales varies and shall suit ditch.
2 Straw bales shall be butted tightly against adjoining bales and shaped to conform to the sides of the ditch to prevent water flow through barrier.
A Fill and compact gaps with loose straw.
B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev 3
STRAW BALE FLOW CHECK DAM		OPSD 219.180



NOTE:
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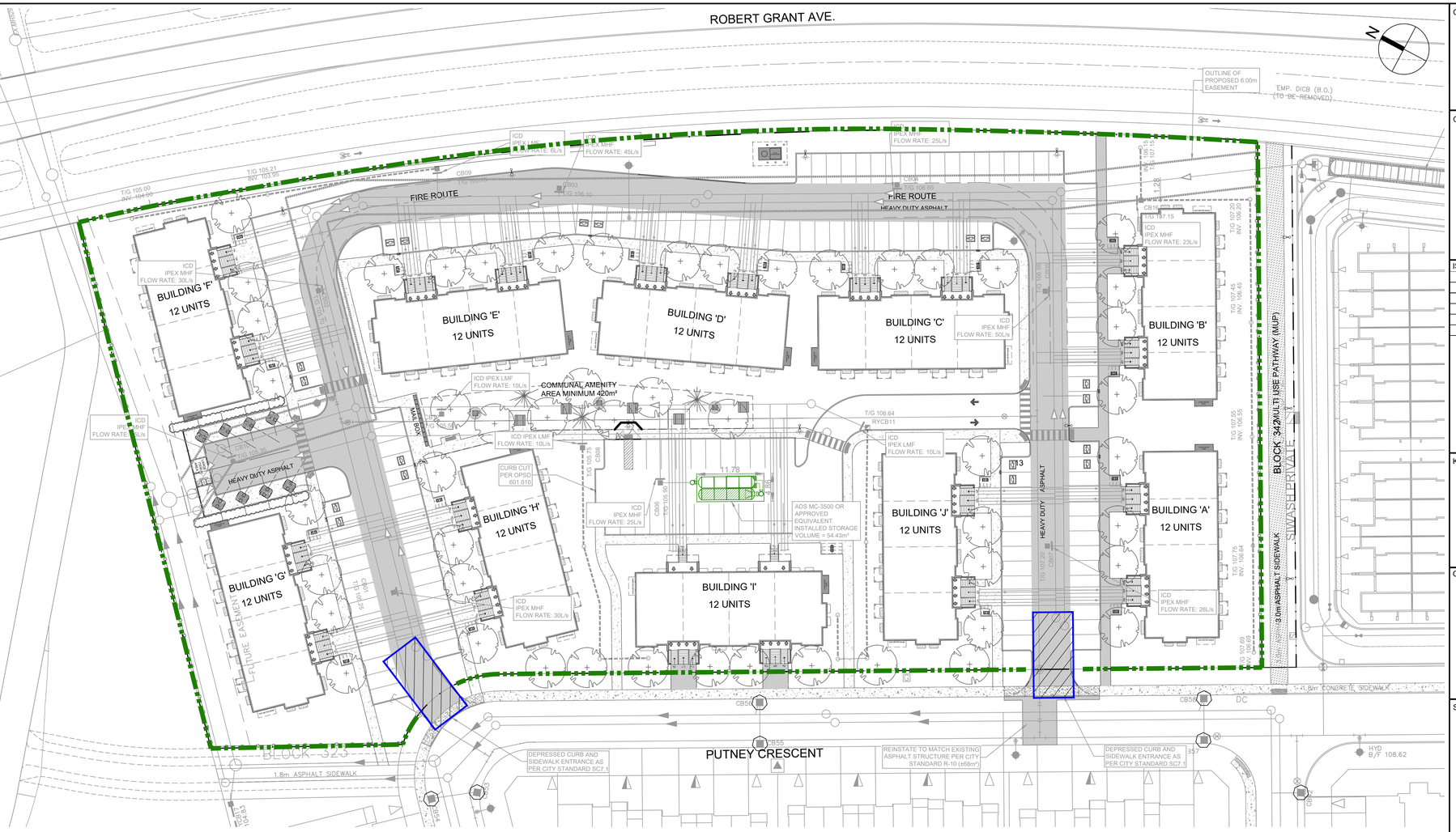
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2022	Rev 3
TEMPORARY ROCK FLOW CHECK DAM V–DITCH		OPSD 219.210


ROBERT GRANT AVE.
N
OUTLINE OF PROPOSED 6.00m EASEMENT
TEMP. DICB (B.O.) (TO BE REMOVED)
FIRE ROUTE
FIRE ROUTE
HEAVY DUTY ASPHALT
BUILDING 'F' 12 UNITS
BUILDING 'E' 12 UNITS
BUILDING 'D' 12 UNITS
BUILDING 'C' 12 UNITS
BUILDING 'B' 12 UNITS
BUILDING 'A' 12 UNITS
BUILDING 'G' 12 UNITS
BUILDING 'H' 12 UNITS
BUILDING 'I' 12 UNITS
BUILDING 'J' 12 UNITS
COMMUNAL AMENITY AREA MINIMUM 420m²
HEAVY DUTY ASPHALT
CURB CUT PER OPSD 601.010
ADS MC-3500 OR APPROVED EQUIVALENT. INSTALLED STORAGE VOLUME = 54.43m³
11.78
BLOCK 342
MULTI USE PATHWAY (MUP)
3.0m ASPHALT SIDEWALK
1.8m CONCRETE SIDEWALK
1.8m ASPHALT SIDEWALK
BLOCK 325
PUTNEY CRESCENT
DEPRESSED CURB AND SIDEWALK ENTRANCE AS PER CITY STANDARD SC7.1
REINSTATE TO MATCH EXISTING ASPHALT STRUCTURE PER CITY STANDARD R-10 (ditto)
DEPRESSED CURB AND SIDEWALK ENTRANCE AS PER CITY STANDARD SC7.1
HYD B/F 108.62
ICD IPEX MHF FLOW RATE: 30L/s
ICD IPEX MHF FLOW RATE: 10L/s
ICD IPEX MHF FLOW RATE: 45L/s
ICD IPEX MHF FLOW RATE: 25L/s
ICD IPEX MHF FLOW RATE: 50L/s
ICD IPEX MHF FLOW RATE: 23L/s
ICD IPEX LMF FLOW RATE: 10L/s
ICD IPEX LMF FLOW RATE: 10L/s
ICD IPEX MHF FLOW RATE: 25L/s
ICD IPEX MHF FLOW RATE: 30L/s
ICD IPEX LMF FLOW RATE: 10L/s
ICD IPEX MHF FLOW RATE: 26L/s
CB55
CB56
DC
MAIN 600mm
T/G 106.30
T/G 105.21
INV. 103.25
T/G 105.00
INV. 104.91
T/G 106.64
RYCB11
T/G 107.50
INV. 106.20
T/G 107.45
INV. 106.45
T/G 107.65
INV. 105.55
T/G 107.75
INV. 105.64
T/G 107.69
INV. 105.69
T/G 105.83
INV. 104.83
T/G 105.75
INV. 104.75
T/G 105.56
INV. 104.56
T/G 105.63
INV. 104.63
T/G 105.58
INV. 104.58