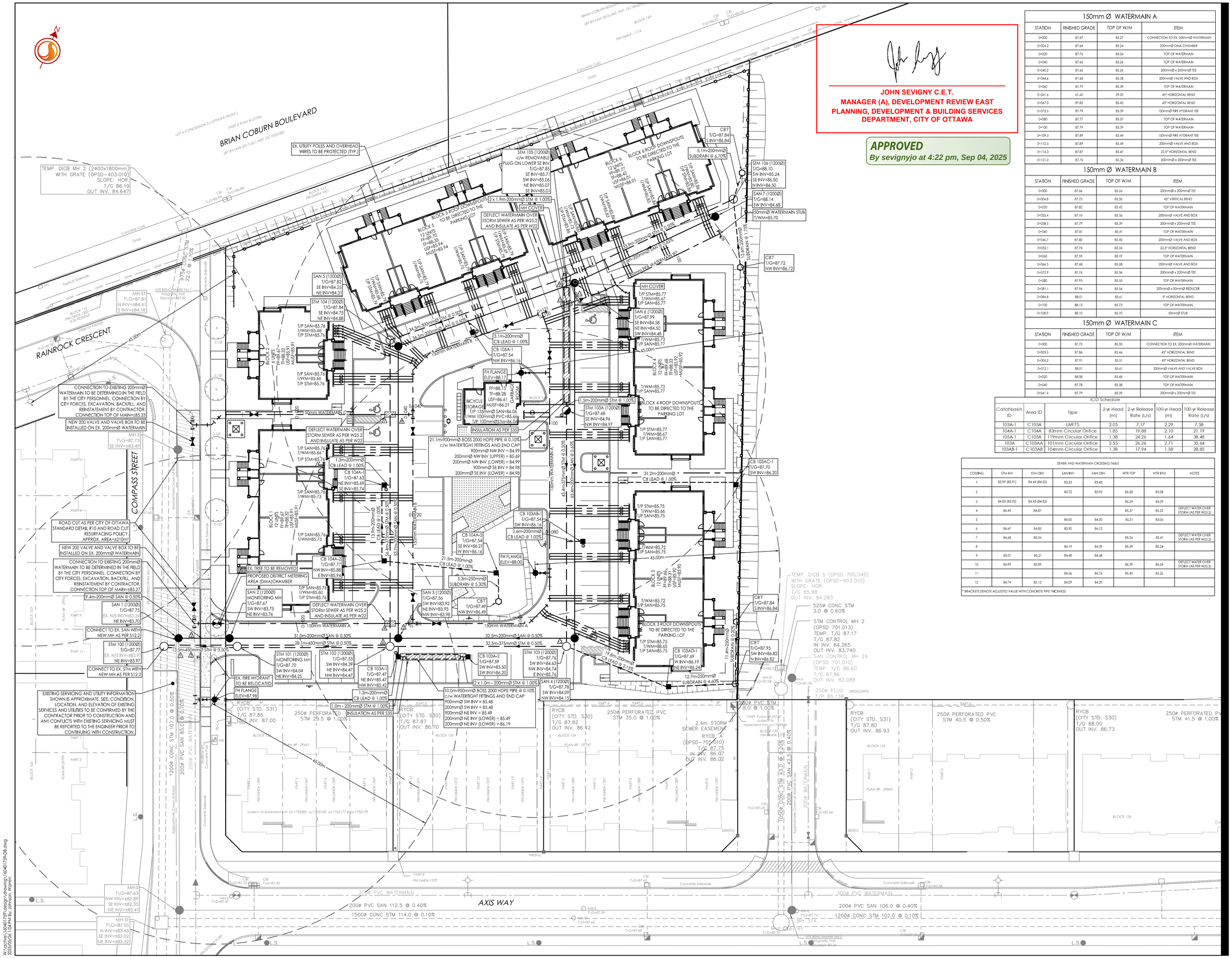

JOHN SEVIGNY C.E.T.
MANAGER (A), DEVELOPMENT REVIEW EAST
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By sevignyjo at 4:22 pm, Sep 04, 2025

150mm Ø WATERMAIN A

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	87.67	85.27	CONNECTION TO EX. 200mmØ WATERMAIN
0+004.2	87.64	85.24	200mmØ DMA CHAMBER
0+020	87.76	85.36	TOP OF WATERMAIN
0+040	87.66	85.26	TOP OF WATERMAIN
0+040.2	87.66	85.26	200mmØ x 200mmØ TEE
0+044.6	87.68	85.28	200mmØ VALVE AND BOX
0+060	87.79	85.39	TOP OF WATERMAIN
0+061.6	61.60	59.20	45° HORIZONTAL BEND
0+067.0	87.82	85.42	45° HORIZONTAL BEND
0+072.5	87.79	85.39	150mmØ FIRE HYDRANT TEE
0+080	87.77	85.37	TOP OF WATERMAIN
0+100	87.79	85.39	TOP OF WATERMAIN
0+109.3	87.89	85.49	150mmØ FIRE HYDRANT TEE
0+112.5	87.89	85.49	200mmØ VALVE AND BOX
0+116.3	87.87	85.47	22.5° HORIZONTAL BEND
0+121.0	87.76	85.36	200mmØ x 200mmØ TEE

150mm Ø WATERMAIN B

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	87.66	85.26	200mmØ x 200mmØ TEE
0+004.8	87.75	85.35	45° VERTICAL BEND
0+020	87.80	85.40	TOP OF WATERMAIN
0+035.4	87.76	85.36	200mmØ VALVE AND BOX
0+038.5	87.79	85.39	200mmØ x 200mmØ TEE
0+040	87.81	85.41	TOP OF WATERMAIN
0+046.7	87.80	85.40	200mmØ VALVE AND BOX
0+052.1	87.74	85.34	22.5° HORIZONTAL BEND
0+060	87.59	85.19	TOP OF WATERMAIN
0+066.5	87.68	85.28	200mmØ VALVE AND BOX
0+072.9	87.76	85.36	200mmØ x 200mmØ TEE
0+080	87.95	85.55	TOP OF WATERMAIN
0+081.1	87.96	85.56	200mmØ x 50mmØ REDUCER
0+084.8	88.01	85.61	5° HORIZONTAL BEND
0+100	88.13	85.73	TOP OF WATERMAIN
0+108.9	88.10	85.70	50mmØ STUB

150mm Ø WATERMAIN C

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	87.73	85.33	CONNECTION TO EX. 200mmØ WATERMAIN
0+003.5	87.86	85.46	45° HORIZONTAL BEND
0+006.2	87.91	85.51	45° HORIZONTAL BEND
0+012.1	88.01	85.61	200mmØ VALVE AND VALVE BOX
0+020	88.08	85.68	TOP OF WATERMAIN
0+040	87.78	85.38	TOP OF WATERMAIN
0+041.4	87.79	85.39	200mmØ x 200mmØ TEE

ICD Schedule

Catchbasin ID	Area ID	Type	2-yr Head (m)	2-yr Release Rate (L/s)	100-yr Head (m)	100-yr Release Rate (L/s)
103A-1	C103A	LMF75	2.05	7.17	2.29	7.58
104A-1	C104A	83mm Circular Orifice	1.85	19.88	2.10	21.19
105A-1	C105A	119mm Circular Orifice	1.38	24.26	1.64	38.48
103A	C103AA	101mm Circular Orifice	2.55	26.26	2.71	35.64
103AB-1	C103AB	104mm Circular Orifice	1.38	17.94	1.58	28.85

SEWER AND WATERMAIN CROSSING TABLE

COSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM	NOTES
1	83.99 (83.91)	84.44 (84.52)	83.23	83.43			
2			83.72	83.92	85.28	85.08	
3	84.00 (83.92)	84.45 (84.53)			85.29	85.09	
4	84.49	84.87			85.37	85.22	DEFLECT WATER OVER STORM (AS PER W25.2)
5			84.00	84.20	85.21	85.06	
6	84.47	84.85	83.92	84.12			
7	84.68	85.06			85.56	85.41	DEFLECT WATER OVER STORM (AS PER W25.2)
8			84.19	84.39	85.39	85.24	
9	85.01	85.21	84.48	84.68			
10	84.99	85.89			86.39	86.24	DEFLECT WATER OVER STORM (AS PER W25.2)
11			84.56	84.76	85.40	85.25	
12	84.74	85.12	84.09	84.29			

* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

Stantec

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Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED SUBDRAIN CATCHBASIN
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN
- EXISTING SUBDRAIN CATCHBASIN
- CIRCULAR ORIFICE (SEE DWG SD-1)

BUILDING SERVICES

150mmØ SANITARY SEWER PVC SDR 28 @ 1% MIN
3 x 19mmØ PEX WATER SERVICE C/W CURB STOP AND SERVICE POST PER STACK UNLESS OTHERWISE SHOWN
200mmØ STORM SERVICE PVC SDR 28 @ 1% MIN
0.60m BEHIND BACK OF CURB/SIDEWALK AS SHOWN ON PLAN

Notes

1. EXISTING SERVICING AND UTILITY INFORMATION SHOWN IS APPROXIMATE. SIZE, CONDITION, LOCATION, AND ELEVATION OF EXISTING SERVICES AND UTILITIES TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND ANY CONFLICTS WITH EXISTING SERVICING MUST BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WITH CONSTRUCTION. INFORMATION SHOWN HAS BEEN OBTAINED FROM RAINROCK CRESCENT PLAN AND PROFILE SHEET 32 OF TRAILS EDGE WEST SUBDIVISION DATED JANUARY 15, 2015.

Revision	By	Appd.	YY.MM.DD
3 REVISED AS PER CITY COMMENTS	WAJ	SGG	25.05.26
2 REVISED SITE PLAN	WAJ	SGG	25.01.06
1 ISSUED FOR REVIEW	WAJ	SGG	24.11.04

File Name: 160401759-DB.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD
	WAJ	SGG	WAJ	24.09.03

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
D. C. THIFFAULT
100186107
2025-05-26
PROVINCE OF ONTARIO

Client/Project
RICHCRAFT HOMES LTD.

640 COMPASS STREET
BLOCK 140
OTTAWA, ON

Title
SITE SERVICING PLAN

Project No.	Scale	Sheet	Revision
160401759	1:300 (0 3 9 15m)	2 of 6	3

Drawing No.
SSP-1
PLAN # 19260

D07-12-24-0146

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2025/05/26, 1:04 PM By: Johnson, Warren

ORIGINAL SHEET - ARCH D