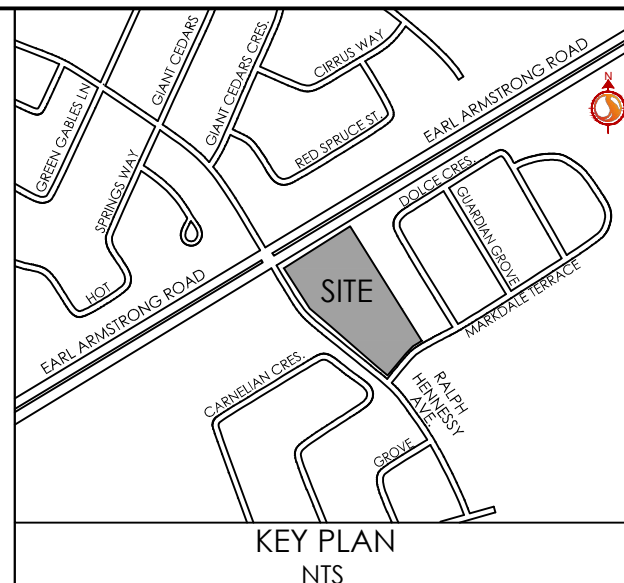


APPROVED
By Lily Xu at 2:35 pm, Aug 18, 2020

SHORELINE DR.



The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
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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 DITCH/INLET CATCHBASIN
 PROPOSED SUBURBAN CATCHBASIN
 EXISTING WATERMAIN
 EXISTING VALVE AND VALVE BOX
 EXISTING VALVE CHAMBER
 EXISTING REDUCER
 EXISTING FIRE HYDRANT
 EXISTING SANITARY SEWER
 EXISTING STORM SEWER
 EXISTING C/C CATCHBASIN/MANHOLE
 EXISTING CATCHBASIN
 EXISTING SUBURBAN CATCHBASIN
 PROPOSED DERESSED CURB LOCATIONS
 PROPOSED MOUNTABLE/BERMER CURB LOCATION
 THERMAL INSULATION ON STORM SEWER WHERE C/I IS LESS THAN 1.5m. THERMAL INSULATION ON WATER WHERE COVER IS LESS THAN 2.4m AT R/W2.
 PROPOSED COMMUNITY MAILBOX LOCATIONS
 BACK TO BACK SERVING WITH STORM SERVICE
 100mm storm service P/C/SR 28 @ 15 MIN
 150mm sanitary service P/C/SR 28 @ 15 MIN
 190mm 1" type S C/W COPPER WATER SERVICE C/W CURB STOP AND SERVICE POST
 BACK TO BACK SERVING WITHOUT STORM SERVICE
 150mm sanitary service P/C/SR 28 @ 15 MIN
 190mm 1" type S C/W COPPER WATER SERVICE C/W CURB STOP AND SERVICE POST
 BACK TO BACK TERRACE HOME SERVICES
 200mm storm service P/C/SR 28 @ 15 MIN
 150mm sanitary service P/C/SR 28 @ 15 MIN
 190mm 1" type S C/W COPPER WATER SERVICE C/W CURB STOP AND SERVICE POST
 ICD SIZE AND LOCATION. REFER TO ICD TABLE.
 ICD SIZE AND LOCATION. REFER TO ICD TABLE.
 ICD SIZE AND LOCATION. REFER TO ICD TABLE.
 2hr RATED RPI WALL
 ROAD CUT AS PER CITY STD R10.

1. ALL ROOF RUNOFF TO BE DIRECTED TO PRIVATE STREETS. ALL BLOCKS SHALL HAVE THE ROOF EAVES OUTLET TO THE PARKING LOT SIDE OR INTERNAL ROADS TO CONTAIN ROOF DRAINAGE ON SITE. RUNOFF FROM BLOCKS 1 - 4 SHALL BE DIRECTED TO PRIVATE STREET 5. BLOCK 11 SHALL BE DIRECTED TO PRIVATE STREET 1.
2. BACK TO BACK TOWNHOUSE FOOTING DRAINS TO BE CONNECTED TO PRIVATE STREET 2. TWO FOOTING DRAINS PER BLOCK.
3. ALL SANITARY MAINTENANCE HOLES TO HAVE WATER TIGHT FRAME AND COVERS

Revision	By	Appd.	YY.MM.D
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File Name: 160401422-DB	MJS	KS	MJS	18.08.24
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Permit-Sea

Client/Project

RICHCRAFT HOMES
2280 ST. LAURENT BOULEVARD
OTTAWA, ON, K1G 4K1
RIVERSIDE SOUTH PHASE 8
BLOCK 221
OTTAWA, ON

Title

SITE SERVICING PLAN

Project No.

160401422

Scale

1:400

2

SSP-1

3 of 7

5

200mmØ WATERMAIN B			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
D+000	91.87	89.470	200mmØ x 200mmØ CROCK
D+001.3	91.87	89.470	45° VERTICAL BEND
D+002	91.88	90.210	45° VERTICAL BEND
D+003.8	91.93	90.210	45° VERTICAL BEND
D+005.5	91.93	89.530	45° VERTICAL BEND
D+007.7	91.93	89.530	11° HORIZONTAL BEND
D+009.1	91.94	89.560	150mmØ FEE HYDRANT TEE
D+010.6	91.99	89.590	11° HORIZONTAL BEND
D+012.6	92.00	89.620	11° HORIZONTAL BEND
D+022.7	92.14	89.740	45° VERTICAL BEND
D+033.7	92.15	90.410	45° VERTICAL BEND
D+035	92.17	90.410	11° HORIZONTAL BEND
D+037.6	92.18	90.410	45° VERTICAL BEND
D+038.6	92.18	89.790	45° VERTICAL BEND
D+041	92.19	89.790	200mmØ x 200mmØ TEE
D+044	92.23	89.880	200mmØ VALVE AND VALVE BOX
D+049	92.28	89.880	TOP OF PIPE
D+070.8	92.34	89.940	45° VERTICAL BEND
D+071.8	92.36	90.440	45° VERTICAL BEND
D+074.2	92.39	90.440	45° VERTICAL BEND
D+075.2	92.40	90.000	45° VERTICAL BEND
D+077.9	92.40	90.000	200mmØ x 200mmØ TEE
D+080.9	92.41	90.010	200mmØ VALVE AND VALVE BOX
D+100	92.53	90.100	TOP OF PIPE
D+106.3	92.59	90.120	45° VERTICAL BEND
D+107.3	92.54	90.800	45° VERTICAL BEND
D+111.3	92.60	90.800	45° VERTICAL BEND
D+112.3	92.61	90.210	45° VERTICAL BEND
D+114.7	92.64	90.240	200mmØ x 150mmØ TEE
D+117.7	92.65	90.200	200mmØ VALVE AND VALVE BOX
D+134.2	92.75	90.350	150mmØ FEE HYDRANT TEE
D+142	92.75	90.350	50mmØ 1/4" COPPER WATER SERVICE
D+143.9	92.74	90.340	45° VERTICAL BEND
D+143.4	92.73	90.800	45° VERTICAL BEND
D+144	92.72	90.850	22+° HORIZONTAL BEND
D+145.3	92.72	90.850	45° VERTICAL BEND
D+145.8	92.71	90.310	45° VERTICAL BEND
D+147	92.71	90.310	200mmØ VALVE IN W/3 CHAMBER
D+152.9	92.64	90.240	22+° HORIZONTAL BEND
D+159.5	92.70	90.300	200mmØ x 200mmØ TEE

200mmØ / 50mmØ / 19mmØ WATERMAIN D			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
D+00	91.87	89.470	200mmØ x 200mmØ CROSS
D+00.3	91.83	89.430	200mmØ VALVE AND VALVE BOX
D+004.7	91.81	89.410	50mmØ FIVE CORNER WATER SERVICE
D+005.3	91.81	89.410	200mmØ CAP AND THRUST BLOCK
D+010	91.84	89.440	TOP OF PIPE
D+020	91.91	89.510	TOP OF PIPE
D+025.2	91.96	89.560	50mmØ COPPER REDUCED TO 19mmØ COPPER SERVICE
D+027	92.04	89.640	19mmØ STUBS SERVICE COIL
100mmØ WATERMAIN D			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
D+00	92.37	89.970	200mmØ x 100mmØ BEE
D+00.3	92.39	89.990	100mmØ VALVE AND VALVE BOX
D+010	92.47	90.070	TOP OF PIPE
D+020	92.53	90.130	TOP OF PIPE
D+027	92.59	90.190	CAP AND THRUST BLOCK
200mmØ WATERMAIN E			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
D+00	92.19	89.190	200mmØ x 200mmØ BEE
D+00.2	92.14	89.740	200mmØ VALVE AND VALVE BOX
D+003.7	92.12	89.720	22" HORIZONTAL BEND
D+010	92.20	89.800	TOP OF PIPE
D+020	92.28	89.860	TOP OF PIPE
D+040	92.39	89.990	TOP OF PIPE
D+054.1	92.48	90.080	150mmØ FIRE HYDRANT TEE
D+057.1	92.50	90.100	200mmØ VALVE AND VALVE BOX
D+063.1	92.53	90.130	200mmØ x 200mmØ BEE
100mmØ WATERMAIN F			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
D+00	92.44	90.240	200mmØ x 100mmØ BEE
D+00.2	92.62	90.220	100mmØ VALVE AND VALVE BOX
D+003.7	92.60	90.200	22" HORIZONTAL BEND
D+010	92.61	90.210	TOP OF PIPE
D+020	92.66	90.260	TOP OF PIPE
D+034	92.73	90.330	100mmØ CAP AND THRUST BLOCK

50mmØ / 19mmØ WATERMAIN G					
STATION	FINISHED GRADE		TOP OF W/M	ITEM	
0+000	92.75		90.300	50mmØ TVS COPPER WATER SERVICE	
0+000.75	92.75		90.300	50mmØ VALVE AND VALVE BOX	
0+010	92.89		90.400	TOP OF PIPE	
0+040	92.88		90.400	TOP OF PIPE	
0+022.5	92.87		90.400	50mmØ COPPER REDUCED TO 19mmØ COPPER SERVICE	
0+029	92.88		90.400	19mmØ STUMPED SERVICE COIL	
200mmØ / 50mmØ / 19mmØ WATERMAIN H					
STATION	FINISHED GRADE		TOP OF W/M	ITEM	
0+000	92.77		90.370	200mmØ x 200mmØ TEE	
0+003	92.77		90.370	150mmØ FIRE HYDRANT TEE	
0+050	92.79		90.390	50mmØ TVS COPPER WATER SERVICE	
0+005.6	92.79		90.390	200mmØ CAP AND THRUST BLOCK	
0+010	92.83		90.400	TOP OF PIPE	
0+020	92.80		90.300	TOP OF PIPE	
0+024.7	92.74		90.340	50mmØ COPPER REDUCED TO 19mmØ COPPER SERVICE	
0+024.7	92.88		90.800	19mmØ SERVICE CROSSING SAN SEWER	
0+030	92.88		90.400	19mmØ STUMPED SERVICE COIL	

SCHEDULE OF INLET CONTROL DEVICES						
OUTLET ORIFICE NAME	CATCHBASIN ID	TRIBUTARY AREA ID	MINOR SYSTEM NODE	100YR HEAD [m]	100YR RELEASE RATE [L/s]	ICD TYPE
I103A-KC	I103A-1	I103A	STM103	1.44	6.00	PEX TEMPEST LMF 75
I103B-KC	I103B-1	I103B	STM102	1.48	6.09	PEX TEMPEST LMF 75
I103A-KC	I103B-1	I103A	STM102	1.57	6.15	PEX TEMPEST LMF 75
I101A-KC	I101A-1	I101A	STM101	1.48	6.09	PEX TEMPEST LMF 75
I104A-KC	I104A-1	I104A	STM104	1.44	6.01	PEX TEMPEST LMF 75
I1009A-KC	I1009B-1	I1009B	STM100	0.87	5.34	PEX TEMPEST LMF 80
I100A-KC	I100A-1	I100A	STM100	2.50	38.68	PEX TEMPEST HMF45-25 ORIFICE

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ORIGINAL SHEET - ARCH D

D007-12-18-0197