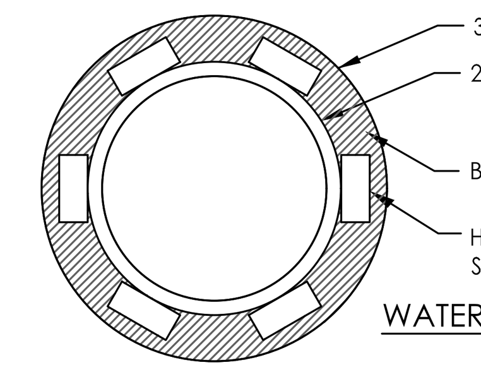


WATERMAIN PIPE CASING DETAIL
N.T.S.

SEWER AND WATERMAIN CROSSING TABLE						
CROSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM
1			86.62±	86.87±	88.21	88.01
2	00.00(00.00)	00.00(00.00)			00.00	00.00

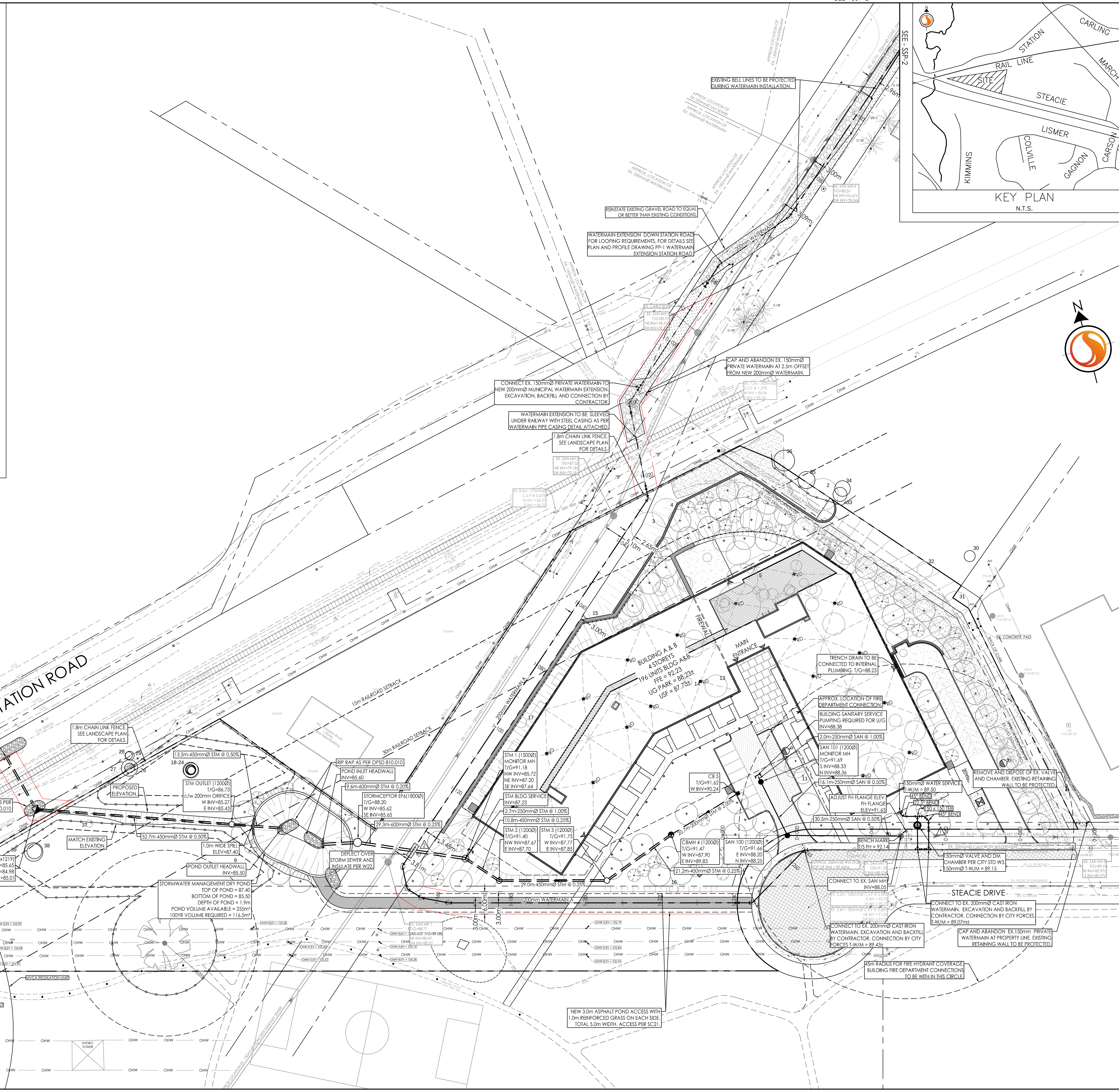
* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

200mmØ WATERMAIN TABLE A			
STATION	FINISHED GRADE	TOP W/M	ITEM
1+000	86.50	84.100	45° HORIZONTAL BEND
1+003	86.51	84.110	200mmØ VALVE AND BOX
1+023.1	86.32	83.920	200mmØ VALVE AND BOX
1+026.1	86.57	84.170	45° HORIZONTAL BEND
1+040	86.86	84.460	TOP OF PIPE
1+060	87.25	84.850	TOP OF PIPE
1+080	87.96	85.560	TOP OF PIPE
1+100	89.12	86.720	TOP OF PIPE
1+120	89.27	86.870	TOP OF PIPE
1+140	89.25	86.960	DEFLECT OVER STORM SEWER AND INSULATE
1+145	89.27	86.870	45° HORIZONTAL BEND
1+151.2	89.53	87.130	45° HORIZONTAL BEND
1+155.7	89.79	87.390	22½° HORIZONTAL BEND
1+163.2	90.07	87.670	11¼° HORIZONTAL BEND
1+180	90.66	88.260	TOP OF PIPE
1+200	91.25	88.850	TOP OF PIPE
1+220	91.55	89.150	TOP OF PIPE
1+240.8	91.82	89.420	200mmØ VALVE AND BOX
1+244.8	91.76	89.360	45° HORIZONTAL BEND
1+264.9	91.57	89.170	45° HORIZONTAL BEND

SCHEDULE OF INLET CONTROL DEVICES				
AREA ID	STRUCTURE ID	ICD TYPE	100YR HEAD (m)	100YR FLOW (L/s)
POND 1	STM OUTLET	200mmØ ORIFICE	1.04	86.6
POND 2	CBMH 4	102mmØ ORIFICE	1.90	28.5

SCHEDULE OF ROOF RELEASE RATES				
BUILDING	DRAIN TYPE	# DRAINS	100YR Head (m)	100YR RELEASE RATE (L/s)
BUILDING	WATTS ACCUFLOW	10	0.15	12.3

SEE - SSP-2



Stantec

Stantec Consulting Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com

Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE AND DMA CHAMBER AS PER CITY STD W3
- WATER METER
- REMOTE WATER METER
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN
- EXISTING CULVERT
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- PROPOSED DEPRESSED CURB LOCATIONS
- PROPOSED BARRIER CURB
- THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 1.5m. THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4m AS PER W22.
- EX. TREE TO BE REMOVED
- EX. TREE TO BE RETAINED
- ROAD CUT ASPHALT RE-INSTATEMENT PER CITY STD R10
- GRAVEL RE-INSTATEMENT AREA
- LANDSCAPE RE-INSTATEMENT AREA. 150mm TOPSOIL AND SEED
- HEAVY DUTY ASPHALT
- ASPHALT ACCESS PER SC21.
- RETAINED TREE CRITICAL ROOT ZONES (REFER TO TCR FOR DETAILS)
- TREE PROTECTION FENCING PER CITY STD F7 (REFER TO TCR FOR DETAILS)

Notes

1. FINAL METER AND REMOTE METER LOCATIONS TO BE CONFIRMED BY MECHANICAL CONSULTANT.
2. THE LOCATION AND ELEVATION OF SEWERS, WATERMAIN AND UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION AND ELEVATIONS SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION AND ELEVATION OF SEWERS, WATERMAINS AND UTILITIES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND THE IMPLEMENTATION OF ANY NECESSARY PROCEDURES CALLED FOR IN THE APPROPRIATE STANDARD AND REGULATIONS. ANY DISCREPANCY WITH THE INFORMATION SHOWN ON THESE PLANS SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WITH CONSTRUCTION.

7	REVISED PER CITY COMMENTS	MJS	DT	25.11.28
6	REVISED PER NEW SITE PLAN	MJS	DT	25.07.11
5	REVISED AS PER SITE PLAN AND CITY COMMENTS	MJS	DT	24.12.02
4	REVISED AS PER SITE PLAN AND CITY COMMENTS	MJS	DT	24.04.08
3	REVISED WATERMAIN SIZE	MJS	DT	22.04.08
2	REVISED AS PER CITY COMMENTS	MJS	TR	21.05.07
1	ISSUED FOR REVIEW	MJS	TR	20.11.23
Revision		By	Appd.	YY.MM.DD

File Name: 160401570 DB	MJS	AMP	MJS	20.08.17
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
D. C. THIFFAULT
100186107
2025-12-05
PROVINCE OF ONTARIO

Client/Project
BRIGIL

100 STEACIE DRIVE

OTTAWA, ON

Title
SITE SERVICING PLAN

Project No. 160401570
Scale 1:500 (0 5 15 25m)
Drawing No. SSP-1
Sheet 3 of 12
Revision 7
PLAN# 18327
D07-12-24-0086

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2025/12/04 8:56 AM By: Sharp, Mike

ORIGINAL SHEET - ARCH D