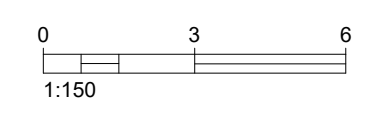
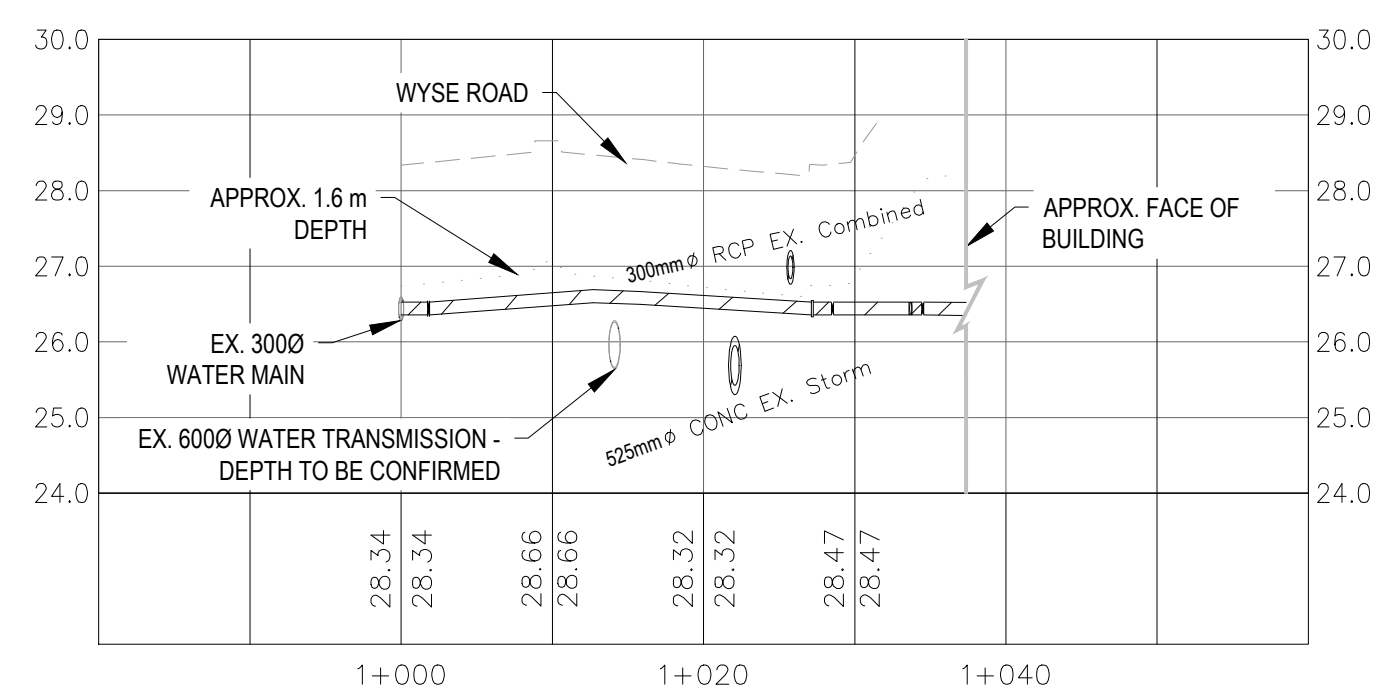


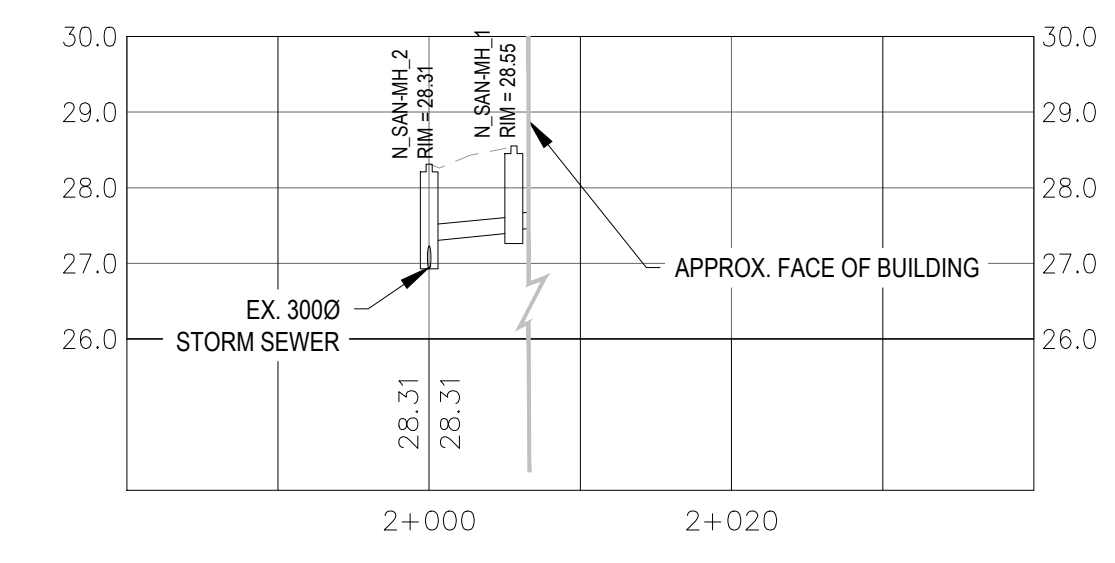
- NOTES:**
1. ALL WORKS TO BE PERFORMED IN ACCORDANCE WITH HALIFAX WATER DESIGN SPECIFICATIONS & SUPPLEMENTARY STANDARD SPECIFICATIONS FOR WATER, WASTEWATER AND STORMWATER SYSTEMS, LATEST EDITION.
 2. CONTRACTOR TO OBTAIN ALL NECESSARY LOCATES AND PERMITS REQUIRED TO PERFORM WORKS. COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
 3. ALL UTILITY LOCATIONS, LENGTHS AND ELEVATIONS SHOWN ON DRAWINGS ARE APPROXIMATE.
 4. ALL EXISTING SERVICES TO THE SITE SHALL BE DISCONNECTED AT THE MAIN AND ABANDONED AS PER HALIFAX WATER REQUIREMENTS.



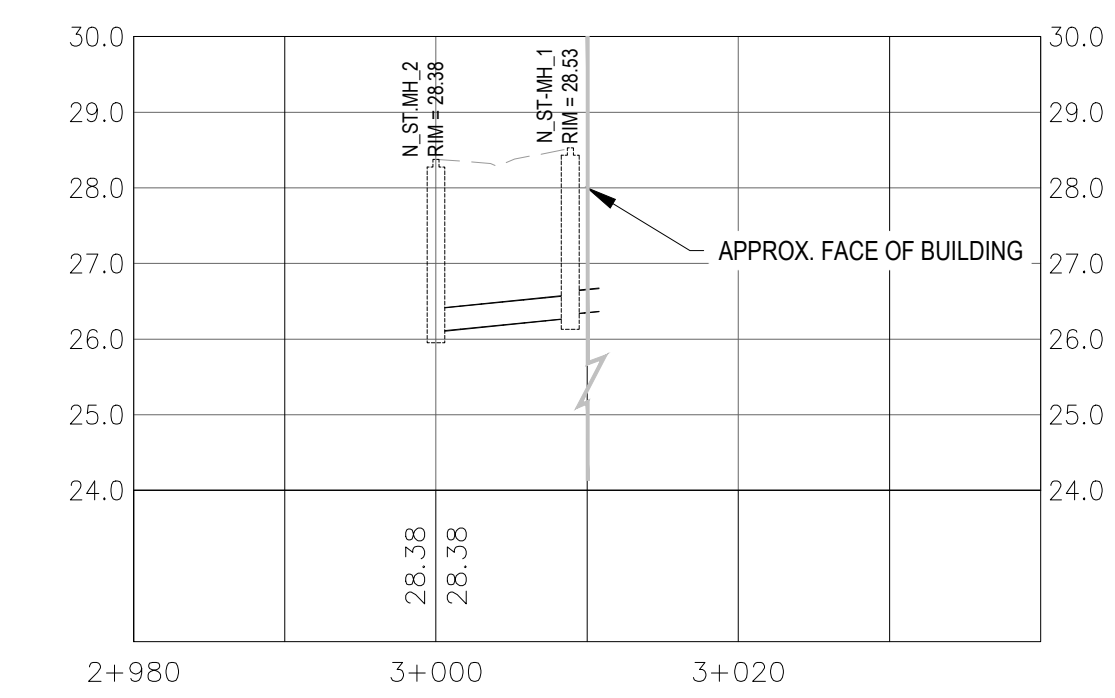
PROFILE VIEW: NEW WATER SERVICE CONNECTION
Vertical Exaggeration: 5



PROFILE VIEW: NEW SANITARY SERVICE CONNECTION
Vertical Exaggeration: 5



PROFILE VIEW: NEW STORM WATER SERVICE CONNECTION
Vertical Exaggeration: 5



Storm Water Calculations - NRCS (SCS) Method

PRE-Development																									
sq. ft.	sq. m.	Acres	Ha	CN																					
3757	350	0.09	0.034	98																					
2476	230	0.06	0.022	69																					
4252	395	0.10	0.038	69																					
13616	1265	0.31	0.123	98																					
1615	150	0.04	0.015	98																					
4198	390	0.10	0.038	98																					
Combined / Total	29924	2780	0.687	0.269	91.48	23	5	35	16.39	13.12	45	25.37	19.39	52	31.50	24.33	61	39.61	30.59	69	46.98	36.28	75	52.57	40.60

POST-Development																									
sq. ft.	sq. m.	Acres	Ha	CN																					
17007	1580	0.39	0.153	98																					
215	20	0.00	0.002	61																					
4252	395	0.10	0.038	61																					
4252	395	0.10	0.038	98																					
Combined / Total	25726	2390	0.591	0.232	91.58	23	5	35	17.13	11.37	45	25.53	16.95	52	31.68	21.03	61	39.81	26.43	69	47.19	31.33	75	52.79	35.04

PIPE SIZING		2-Yr		5-Yr		10-Yr		25-Yr		50-Yr		100-Yr	
Peak Flow (l/s)	Pipe Size (mm)	Peak Flow (l/s)	Pipe Size (mm)	Peak Flow (l/s)	Pipe Size (mm)	Peak Flow (l/s)	Pipe Size (mm)	Peak Flow (l/s)	Pipe Size (mm)	Peak Flow (l/s)	Pipe Size (mm)	Peak Flow (l/s)	Pipe Size (mm)
11.4	150	17.0	150	21.0	150	26.4	150	31.3	150	35.0	150	35.0	150
2	2	2	2	2	2	2	2	2	2	2	2	2	2
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
41%	61%	75%	94%	112%	58%								

Halifax Water Sanitary Sewer System Calculations

Assumptions
Type of Establishment: Multi-Unit Residential 300 l/d/p
Office & Retail 6 l/d/m²

Use	Value	Units	Density	Pop.	Average Dry Weather Flow Allowance (l/d/xx)	Ave. Dry Weather Flow (l/d)	Peaking Factor	Peak Dry Weather Flow (l/d)	Tributary Area (ha)	Infiltration/Allowance (l/d/ha)	Inflow (l/d)	Infiltration (l/d)	Safety Factor	Peak Wet Weather Flow (l/d)	Peak Wet Weather Flow (l/s)	Peak Wet Weather Flow (USgpm)	Pipe Size (mm)	Pipe Slope (%)	Manning 'n'	Pipe Capacity (l/s)	% Full
Residential	125	Units	2.25	281	300	84300	4.09	344824													
Office Space	1578	m ²	-	-	6	9476	2.00	18952													
Service Connection								363777	0.30	24000	7200	1.25	463721	5.4	84.8	150	2	0.01	28.0	19.2%	
Downstream Pipe								463721						5.4	84.8	300	1.79	0.013	129.4	4.1%	

01	ISSUED FOR DA APPROVAL	2019/07/26
NO.	DESCRIPTION	DATE

fathomstudio.ca
 1 Starr Lane
 Dartmouth, NS
 B2Y 4V7
 Fathom
 Fathom's
 Estetica Planning & Design

CLIENT

ALEX DUNPHY

PROJECT

WYSE ROAD DEVELOPMENT
112 WYSE ROAD
DARTMOUTH, NOVA SCOTIA
PID# 00082792 & 00082800

SHEET DESCRIPTION

SERVICING SCHEMATIC

SCALE	DATE	SHEET
1:200	2019/07/26	C100
DRAWN	CHECKED	PROJECT NO.
RNB	RNB	19-041