



KEYPLAN

LEGEND

EXISTING		PROPOSED
⊙	GATE/BUTTERFLY VALVE	⊙
▽	STREET SIGN	▽
○/○-○	POWER POLE/LIGHT POLE	○/○-○
⊙/⊙	CATCHBASIN	⊙/⊙
⊔	CULVERT	⊔
158.5	ELEVATION	158.5
⊙	HYDRANT	⊙
---	PROPERTY BOUNDARY	---
---	OVERHEAD LINE	---
SA-□-SA	SANITARY MANHOLE & PIPE	SA-□-SA
ST-○-ST	STORM MANHOLE & PIPE	ST-○-ST
WM-—-WM	WATERMAIN	WM-—-WM
WM-○-WM	WATER SERVICE	WM-○-WM
FM-—-FM	FORCEMAIN	FM-—-FM
—C—C—	UNDERGROUND CONDUIT	—C—C—
⊔	CONCRETE THRUST BLOCK	⊔
---	CURB AND DRIVEWAY CUT	---
---	SIDEWALK	---
---	STREET LINE	---
→	DRAINAGE DIRECTION	→
346	SWALE FLOW	346
---	CONTOUR LINES	---
---	GAS LINE	---
○	TREE	○
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	SILT FENCE	---

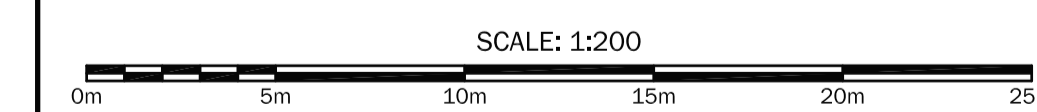
NOTES:

1. ALL MEASUREMENTS SHOWN ARE IN METRIC UNITS OF METERS.
2. TOPOGRAPHIC SURVEY DATA SHOWN HAS BEEN PRODUCED BY ABLE ENGINEERING SERVICES ON 06/23/2021. VALUES SHOWN ARE DERIVED FROM G.P.S. OBSERVATIONS ON NOVA SCOTIA GRID COORDINATE SYSTEM NAD83 CSRS 2010 CGVD2013.
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4. SLOPES GREATER THAN 2:1 SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER.
5. SHOP DRAWINGS FOR ALL MATERIALS THAT WILL BECOME OWNED BY THE TOWN OF WOLFVILLE MUST BE SUBMITTED FOR APPROVAL BY DESIGN ENGINEER AND COPIED TO ENGINEER PRIOR TO CONSTRUCTION.

No.	Date	Revision	Description	App'd
3	03/08/23	REVISED		
2	01/19/23	TOWN OF WOLFVILLE REVISIONS		
1	06/06/22	ISSUED FOR REVIEW		

Seal

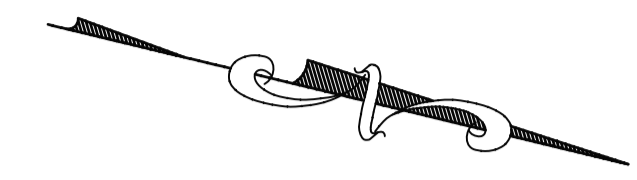
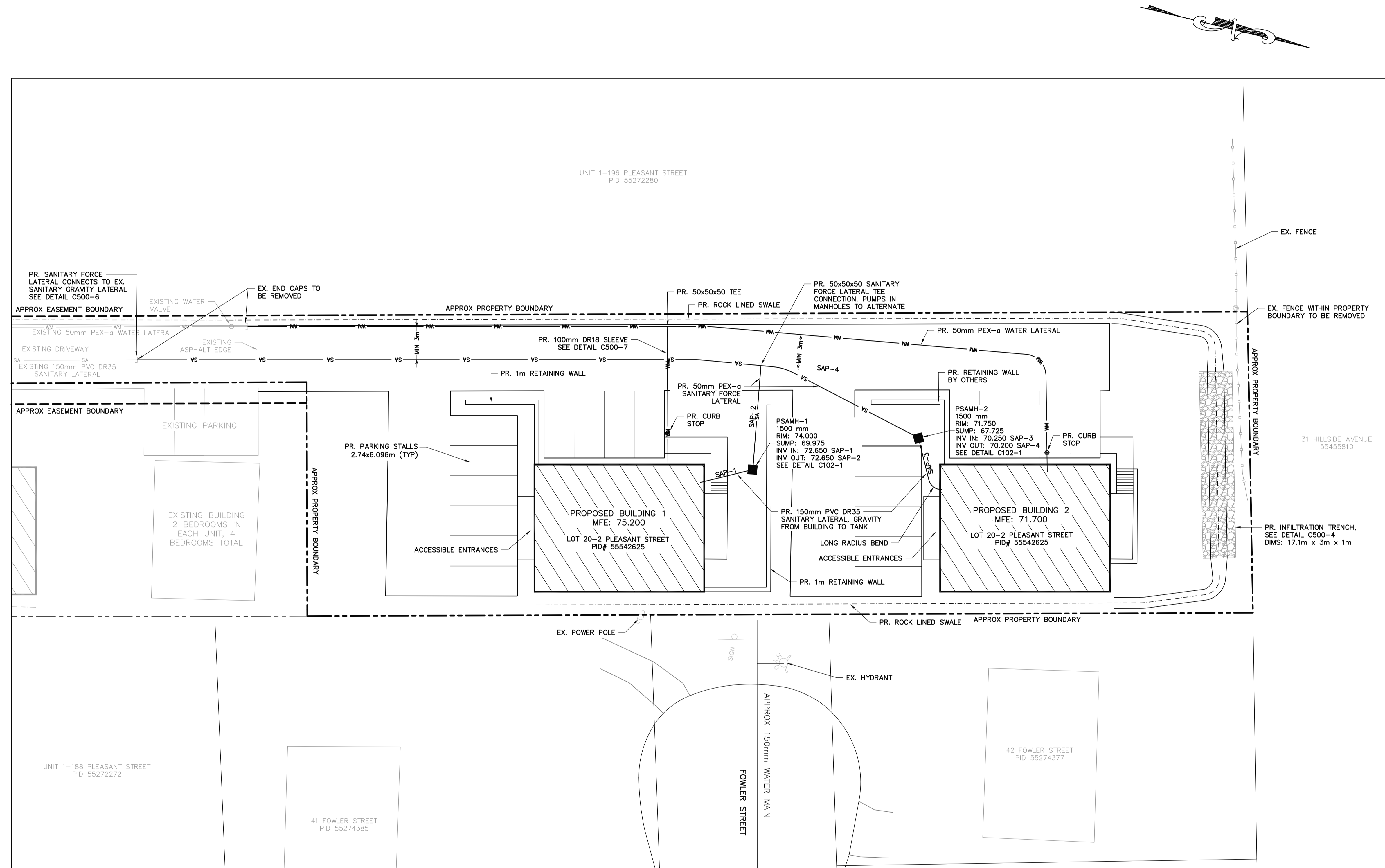
**ABLE**  
ENGINEERING SERVICES INC  
5209 ST. MARGARET'S BAY RD., SUITE 201  
UPPER TANTALLON, NOVA SCOTIA  
TEL. 902-273-3050 FAX. 902-273-3072  
civil@ableinc.ca www.ableinc.ca



PLEASANT STREET DEVELOPMENT - 2  
WOLFVILLE, NS  
PID# 55542625

PROPOSED SITE SERVICE PLAN

Date	APRIL 19, 2022	Drawn	E.FRY	Project No.	
Scale	1:200	Engineer	M.VISENTIN	Plan No.	C100







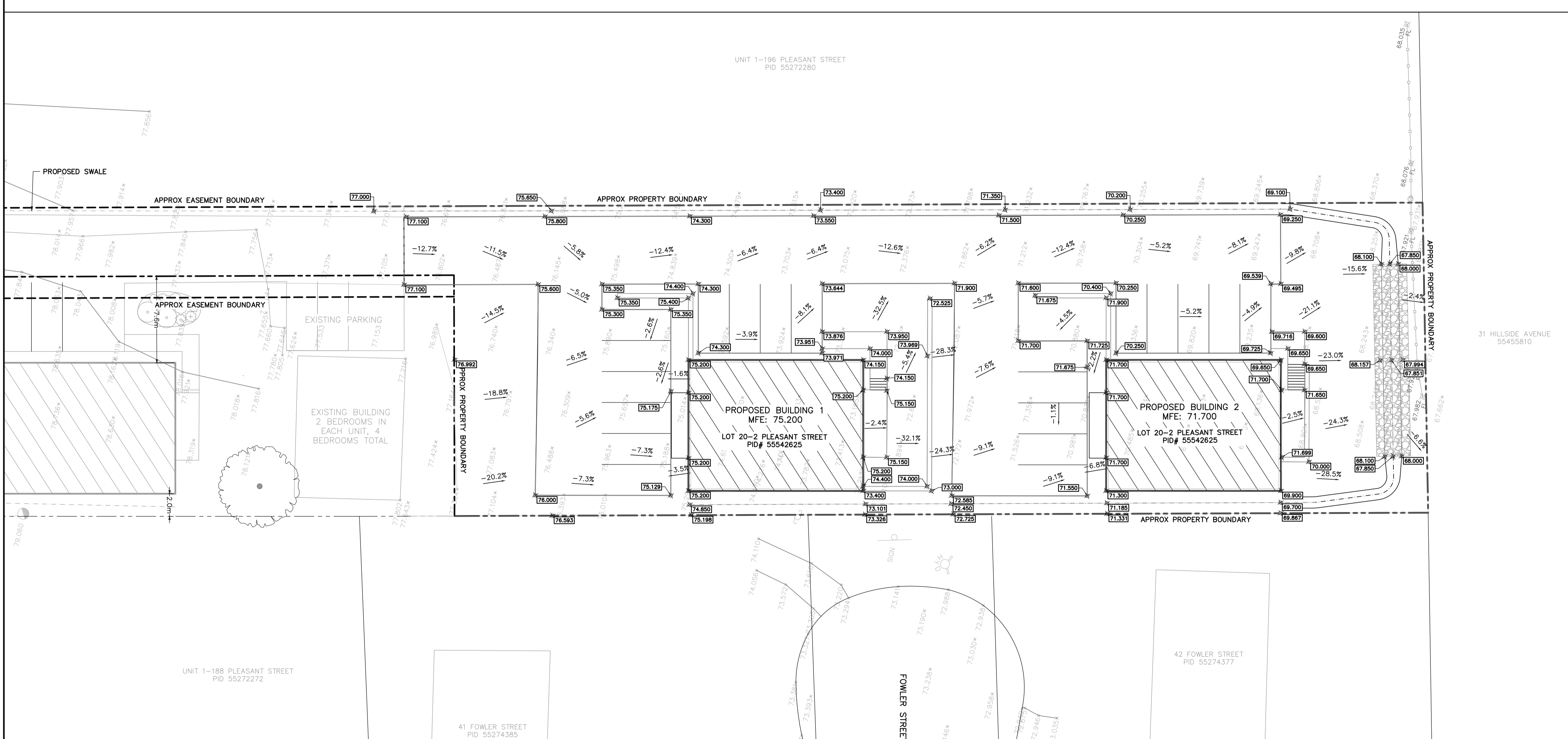
KEYPLAN

LEGEND

EXISTING		PROPOSED
⊙	GATE/BUTTERFLY VALVE	⊙
▽	STREET SIGN	▽
○/○	POWER POLE/LIGHT POLE	○/○
⊙	CATCHBASIN	⊙
⌋	CULVERT	⌋
158.5	ELEVATION	158.5
⊙	HYDRANT	⊙
---	PROPERTY BOUNDARY	---
---	OVERHEAD LINE	---
SA-□-SA	SANITARY MANHOLE & PIPE	SA-□-SA
ST-○-ST	STORM MANHOLE & PIPE	ST-○-ST
WM-—-WM	WATERMAIN	WM-—-WM
WM-—-WM	WATER SERVICE	WM-—-WM
FM-—-FM	FORCEMAIN	FM-—-FM
—C—C—	UNDERGROUND CONDUIT	—C—C—
□	CONCRETE THRUST BLOCK	□
---	CURB AND DRIVEWAY CUT	---
---	SIDEWALK	---
---	STREET LINE	---
→	DRAINAGE DIRECTION	→
—S—S—	SWALE FLOW	—S—S—
—346—	CONTOUR LINES	—346—
—GAS—GAS—	GAS LINE	—GAS—GAS—
○	TREE	○
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	GUARD RAIL	---
---	SILT FENCE	---

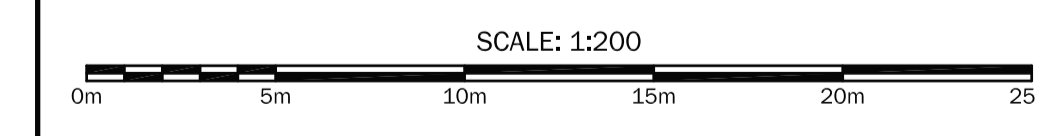
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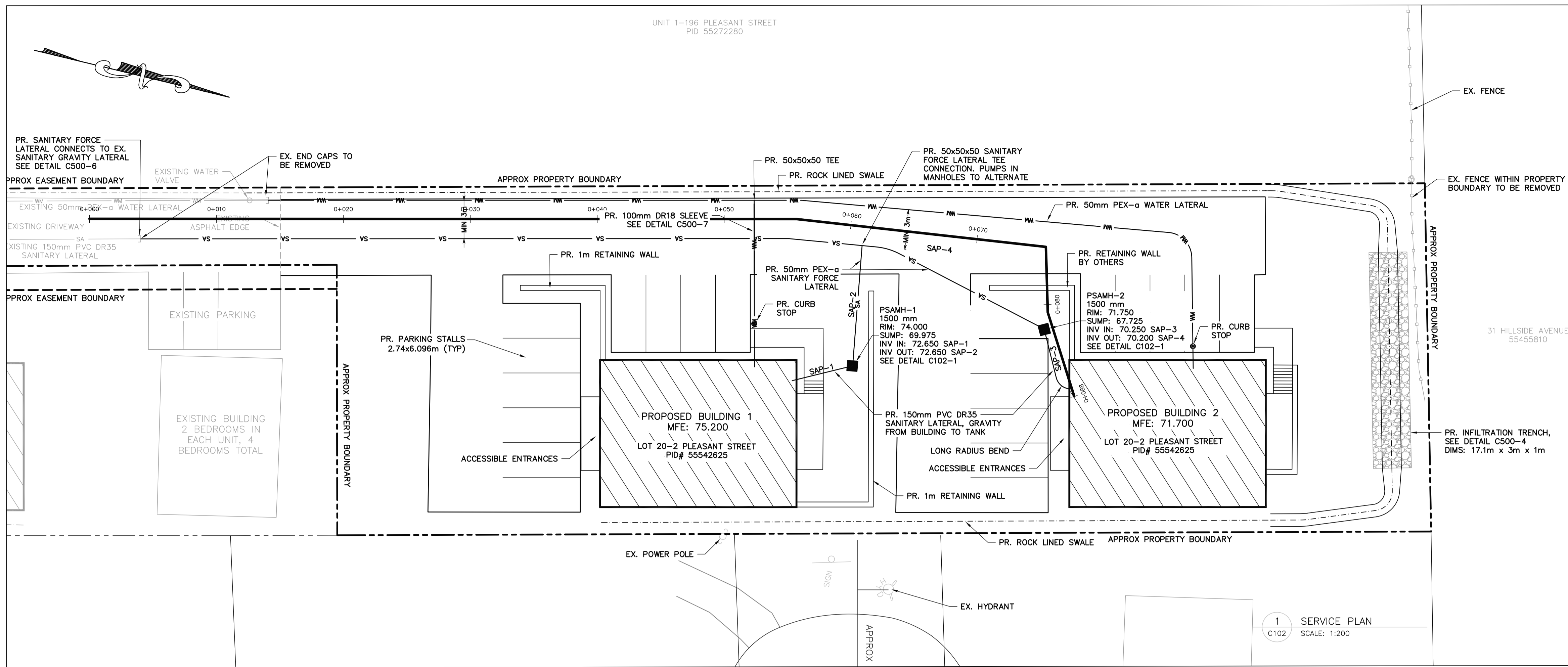


PLEASANT STREET DEVELOPMENT - 2  
WOLFVILLE, NS  
PID# 55542625

PROPOSED SITE GRADING PLAN

Date	APRIL 19, 2022	Drawn	E.FRY	Project No.	
Scale	1:200	Engineer	M.VISENTIN	Plan No.	C101

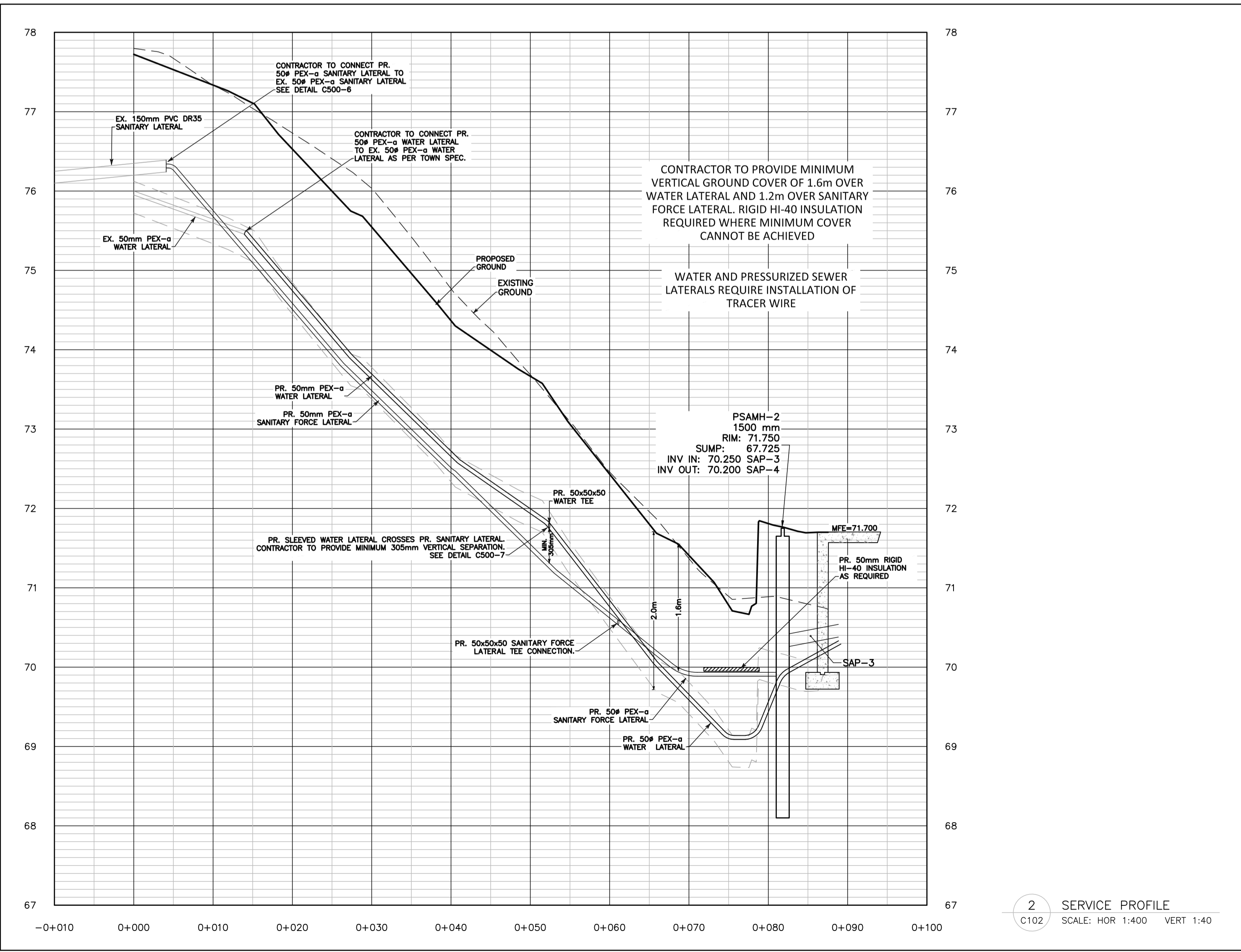




**LEGEND**

EXISTING		PROPOSED
⊙	GATE/BUTTERFLY VALVE	⊙
▽	STREET SIGN	▽
○/○	POWER POLE/LIGHT POLE	○/○
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C-C	UNDERGROUND CONDUIT	C-C
□	CONCRETE THRUST BLOCK	□
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**SANITARY FLOWS :**

SANITARY DEMAND FOR EXISTING, PROPOSED AND FUTURE DEVELOPMENTS = 0.001548m<sup>3</sup>/s (Q)  
 SANITARY CAPACITY FOR 150mm LATERAL AT 1.0% SLOPE = 0.0133m<sup>3</sup>/s (q)

$$Q = \frac{1.25 \times [(A \times p) \times M] + (B \times \text{AREA})}{86400}$$

A = 0.34m<sup>3</sup>/P/day  
 M = 4.2867  
 B = 0.024m<sup>3</sup>/ha/day  
 AREA = 0.458 ha  
 MULTI-UNIT=24, SEMI-DETACHED=4: p= 67.4  
 COMMERCIAL SPACE= 0m<sup>2</sup>  
 COMMERCIAL FLOW= 6L/day

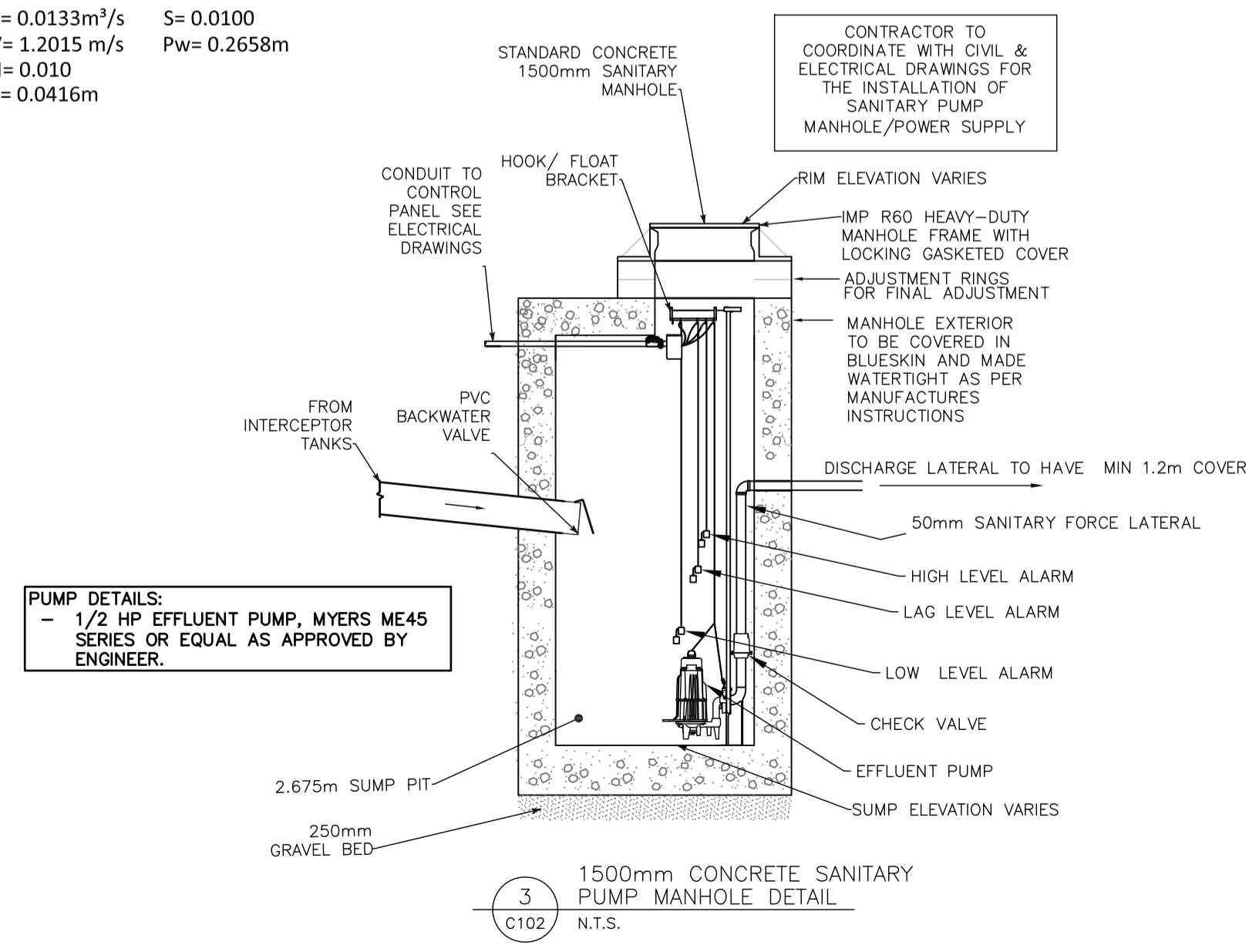
**Manning Formula :**

$$V = (1.49/N) R^{2/3} S^{1/2}$$

$$R = A/P_w$$

$$q = A \times V$$

q = 0.0133m<sup>3</sup>/s    S = 0.0100  
 V = 1.2015 m/s    P<sub>w</sub> = 0.2658m  
 N = 0.010  
 R = 0.0416m



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SCALE: 1:200  
 0m 5m 10m 15m 20m 25m

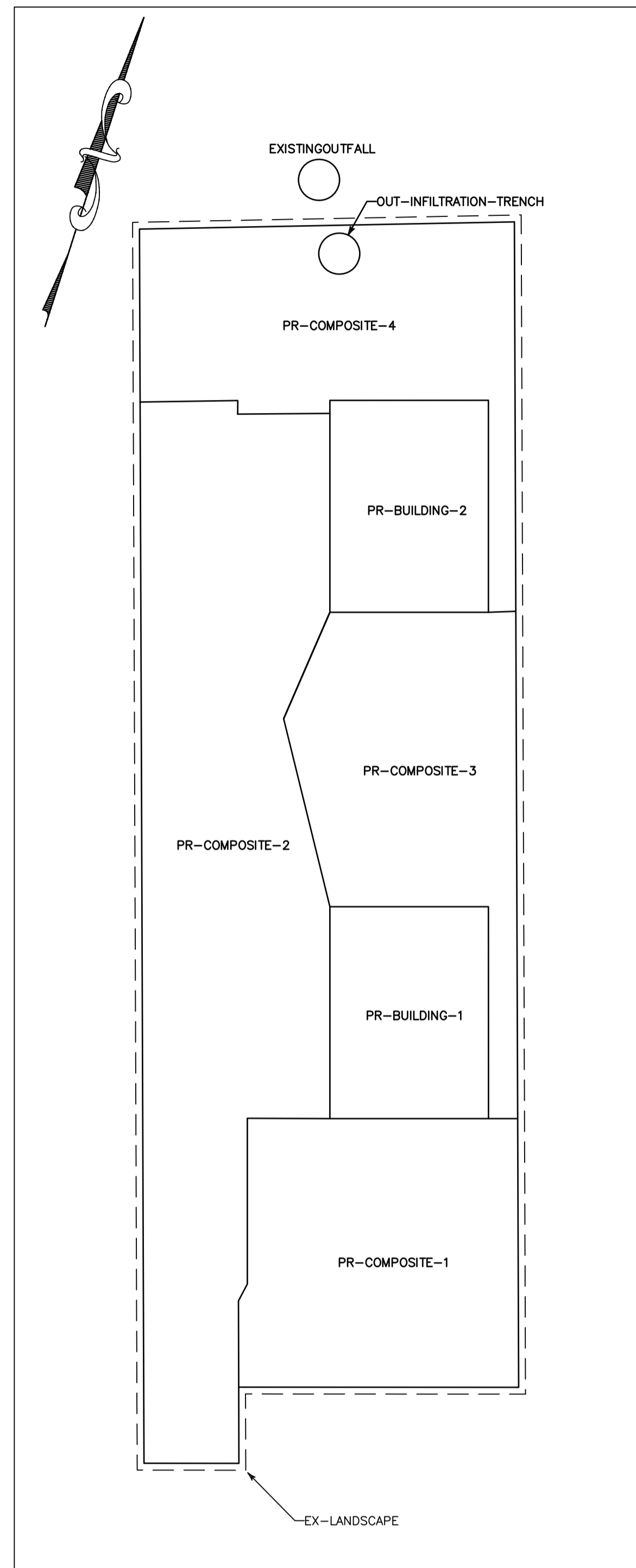
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**PLEASANT STREET DEVELOPMENT - 2**  
 WOLFVILLE, NS  
 PID# 55542625

**PROPOSED SITE SERVICE PLAN**

Date	APRIL 19, 2022	Drawn	E.FRY	Project No.
Scale	1:200	Engineer	M.VISENTIN	Plan No.
				C102





5 YEAR STORM – OUT-INFILTRATION-SWALE TIME SERIES PLOT

EXISTING 5 YEAR STORM SUBBASIN

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
EX-LANDSCAPE	2387.00	ExisitingOutfall	80.00	111.15	59.84	18.12	0 00:15:52
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>18.12</b>	

EXISTING 10 YEAR STORM SUBBASIN

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
EX-LANDSCAPE	2387.00	ExisitingOutfall	80.00	140.28	85.17	25.77	0 00:15:52
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>25.77</b>	

EXISTING 25 YEAR STORM SUBBASIN

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
EX-LANDSCAPE	2387.00	ExisitingOutfall	80.00	177.16	118.64	35.96	0 00:15:52
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>35.96</b>	

EXISTING 50 YEAR STORM SUBBASIN

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
EX-LANDSCAPE	2387.00	ExisitingOutfall	80.00	204.70	144.27	43.61	0 00:15:52
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>43.61</b>	

EXISTING 100 YEAR STORM SUBBASIN

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
EX-LANDSCAPE	2387.00	ExisitingOutfall	80.00	231.54	169.62	50.97	0 00:15:52
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>50.97</b>	

THE REQUIRED DETENTION STORAGE TO BALANCE PRE AND POST STORM PEAK FLOWS WAS CALCULATED USING AUTODESK STORM AND SANITARY ANALYSIS. THE TOTAL REQUIRED DETENTION STORAGE FOR THE 5-YEAR STORM IS 15.47m³. THIS RETENTION IS ACHIEVED WITH THE APPLICATION OF AN INFILTRATION SWALE WHICH COLLECTS THE STORM WATER THROUGH SWALES ALONG THE NORTH PROPERTY BOUNDARY. THE ROCK VOLUME FOR THE PROPOSED SWALE MUST BE AT LEAST 51.05m³.

SUBBASIN	DESCRIPTION
PR-COMPOSITE-1	50% LANDSCAPE, 50% ASPHALT/CONCRETE
PR-COMPOSITE-2	20% LANDSCAPE, 80% ASPHALT
PR-COMPOSITE-3	50% LANDSCAPE, 50% ASPHALT/CONCRETE
PR-COMPOSITE-4	95% LANDSCAPE, 5% CONCRETE

RETURN PERIOD	EXISTING PEAK (lps)	PROPOSED PEAK FLOW (lps)	DETENTION STORAGE (m³)
5 YEAR	18.12	26.42	15.47
10 YEAR	25.77	34.75	14.06
25 YEAR	35.96	45.34	12.28
50 YEAR	43.61	53.26	11.05
100 YEAR	50.97	60.88	10.49

PROPOSED 5 YEAR STORM SUBBASINS

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BUILDING-1	179.23	OUT-INFILTRATION-TRENCH	98.00	111.15	104.80	2.27	0 00:05:00
PR-BUILDING-2	179.47	OUT-INFILTRATION-TRENCH	98.00	111.15	104.80	2.27	0 00:05:00
PR-COMPOSITE-1	417.60	OUT-INFILTRATION-TRENCH	89.00	111.15	80.57	4.53	0 00:07:43
PR-COMPOSITE-2	876.55	OUT-INFILTRATION-TRENCH	94.00	111.15	93.78	10.76	0 00:05:00
PR-COMPOSITE-3	342.67	OUT-INFILTRATION-TRENCH	89.00	111.15	80.52	3.68	0 00:05:18
PR-COMPOSITE-4	386.96	OUT-INFILTRATION-TRENCH	81.00	111.15	61.85	3.12	0 00:05:00
<b>TOTAL PROPOSED PEAK FLOW =</b>						<b>26.42</b>	
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>18.12</b>	
<b>TOTAL DETENTION STORAGE REQUIRED =</b>						<b>15.47 m³</b>	
<b>TOTAL ROCK STORAGE REQUIRED =</b>						<b>51.05 m³</b>	

PROPOSED 10 YEAR STORM SUBBASINS

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BUILDING-1	179.23	OUT-INFILTRATION-TRENCH	98.00	140.28	134.01	2.83	0 00:05:00
PR-BUILDING-2	179.47	OUT-INFILTRATION-TRENCH	98.00	140.28	134.01	2.83	0 00:05:00
PR-COMPOSITE-1	417.60	OUT-INFILTRATION-TRENCH	89.00	140.28	108.43	5.95	0 00:07:43
PR-COMPOSITE-2	876.55	OUT-INFILTRATION-TRENCH	94.00	140.28	122.50	13.88	0 00:05:00
PR-COMPOSITE-3	342.67	OUT-INFILTRATION-TRENCH	89.00	140.28	108.38	4.81	0 00:05:18
PR-COMPOSITE-4	386.96	OUT-INFILTRATION-TRENCH	81.00	140.28	87.53	4.53	0 00:05:00
<b>TOTAL PROPOSED PEAK FLOW =</b>						<b>34.75</b>	
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>25.77</b>	
<b>TOTAL DETENTION STORAGE REQUIRED =</b>						<b>14.06 m³</b>	
<b>TOTAL ROCK STORAGE REQUIRED =</b>						<b>46.40 m³</b>	

PROPOSED 25 YEAR STORM SUBBASINS

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BUILDING-1	179.23	OUT-INFILTRATION-TRENCH	98.00	177.16	170.92	3.68	0 00:05:00
PR-BUILDING-2	179.47	OUT-INFILTRATION-TRENCH	98.00	177.16	170.92	3.68	0 00:05:00
PR-COMPOSITE-1	417.60	OUT-INFILTRATION-TRENCH	89.00	177.16	144.25	7.65	0 00:07:43
PR-COMPOSITE-2	876.55	OUT-INFILTRATION-TRENCH	94.00	177.16	159.08	17.84	0 00:05:00
PR-COMPOSITE-3	342.67	OUT-INFILTRATION-TRENCH	89.00	177.16	144.22	6.51	0 00:05:18
PR-COMPOSITE-4	386.96	OUT-INFILTRATION-TRENCH	81.00	177.16	121.34	6.23	0 00:05:00
<b>TOTAL PROPOSED PEAK FLOW =</b>						<b>45.34</b>	
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>35.96</b>	
<b>TOTAL DETENTION STORAGE REQUIRED =</b>						<b>12.28 m³</b>	
<b>TOTAL ROCK STORAGE REQUIRED =</b>						<b>40.52 m³</b>	

PROPOSED 50 YEAR STORM SUBBASINS

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BUILDING-1	179.23	OUT-INFILTRATION-TRENCH	98.00	204.70	198.48	4.25	0 00:05:00
PR-BUILDING-2	179.47	OUT-INFILTRATION-TRENCH	98.00	204.70	198.48	4.25	0 00:05:00
PR-COMPOSITE-1	417.60	OUT-INFILTRATION-TRENCH	89.00	204.70	171.25	9.06	0 00:07:43
PR-COMPOSITE-2	876.55	OUT-INFILTRATION-TRENCH	94.00	204.70	186.44	20.67	0 00:05:00
PR-COMPOSITE-3	342.67	OUT-INFILTRATION-TRENCH	89.00	204.70	171.20	7.65	0 00:05:18
PR-COMPOSITE-4	386.96	OUT-INFILTRATION-TRENCH	81.00	204.70	147.17	7.65	0 00:05:00
<b>TOTAL PROPOSED PEAK FLOW =</b>						<b>53.26</b>	
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>43.61</b>	
<b>TOTAL DETENTION STORAGE REQUIRED =</b>						<b>11.05 m³</b>	
<b>TOTAL ROCK STORAGE REQUIRED =</b>						<b>36.47 m³</b>	

PROPOSED 100 YEAR STORM SUBBASINS

Element ID	Area (m²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BUILDING-1	179.23	OUT-INFILTRATION-TRENCH	98.00	231.54	225.32	4.81	0 00:05:00
PR-BUILDING-2	179.47	OUT-INFILTRATION-TRENCH	98.00	231.54	225.32	4.81	0 00:05:00
PR-COMPOSITE-1	417.60	OUT-INFILTRATION-TRENCH	89.00	231.54	197.64	10.48	0 00:07:43
PR-COMPOSITE-2	876.55	OUT-INFILTRATION-TRENCH	94.00	231.54	213.16	23.50	0 00:05:00
PR-COMPOSITE-3	342.67	OUT-INFILTRATION-TRENCH	89.00	231.54	197.61	8.50	0 00:05:18
PR-COMPOSITE-4	386.96	OUT-INFILTRATION-TRENCH	81.00	231.54	172.67	9.06	0 00:05:00
<b>TOTAL PROPOSED PEAK FLOW =</b>						<b>60.88</b>	
<b>TOTAL EXISTING PEAK FLOW =</b>						<b>50.97</b>	
<b>TOTAL DETENTION STORAGE REQUIRED =</b>						<b>10.49 m³</b>	
<b>TOTAL ROCK STORAGE REQUIRED =</b>						<b>34.62 m³</b>	



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Symbol	CULVERT
Symbol	ELEVATION
Symbol	HYDRANT
Symbol	PROPERTY BOUNDARY
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Symbol	WATER SERVICE
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Symbol	CONCRETE THRUST BLOCK
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Symbol	STREET LINE
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- ALL WORK MUST CONFORM TO HALIFAX WATER AND HALIFAX REGIONAL MUNICIPALITY STANDARDS AND SPECIFICATIONS (LATEST EDITION).
- SLOPES GREATER THAN 2:1 SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER.

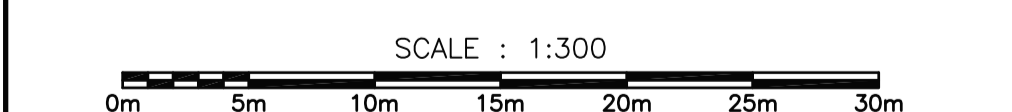
THE STORM WATER RUNOFF FOR THE 1.5, 1:10, 1:25, 1:50, 1:100 YEAR STORM EVENTS WAS ESTIMATED USING STORM & SANITARY ANALYSIS 2020 (SSA) FROM AUTOCAD CIVIL 3D.

THE STORM WATER CALCULATIONS WERE BASED ON THE SOIL CONSERVATION SERVICE METHOD (SCS TR-55) RUNOFF METHODOLOGY USING THE SYNTHETIC DESIGN STORM EVENT COMMONLY REFERRED TO AS THE CHICAGO STORM. THE RAIN FALL AMOUNTS USED IN THE ANALYSIS & MODELING ARE AS FOLLOWS & WERE OBTAINED FROM ENVIRONMENT CANADA RAIN FALL DATABASE.  
 1.5 = 111.8mm OF RAIN FALL OVER 24HR PERIOD  
 1:10 = 141.1mm OF RAIN FALL OVER 24HR PERIOD  
 1:25 = 178.2mm OF RAIN FALL OVER 24HR PERIOD  
 1:50 = 205.9mm OF RAIN FALL OVER 24HR PERIOD  
 1:100 = 232.9mm OF RAIN FALL OVER 24HR PERIOD

MAXIMUM STORM WATER STORAGE VOLUME REQUIRED TO MATCH PRE & POST STORM VALUES IS THE 5 YEAR STORM EVENT AT TOTAL 28.34m³.  
 30% ROCK STORAGE VOLUME = 86.92m³  
 TOTAL ROCK STORAGE FOR THE PROPOSED SITE UTILIZING THE STORM INFILTRATION SWALES = 91.25m³

2	01/19/23	TOWN OF WOLFVILLE REVISIONS	
1	06/06/22	ISSUED FOR REVIEW	
No.	Date	Revision	Description

Seal: M. A. Visentin, Registered Professional Engineer, No. 12358, Province of Nova Scotia.  
**ABLE ENGINEERING SERVICES INC.**  
 5209 ST. MARGARET'S BAY RD., SUITE 201  
 UPPER TANTALLON, NOVA SCOTIA  
 TEL. 902-273-3050 FAX. 902-273-3072  
 civil@ableinc.ca www.ableinc.ca

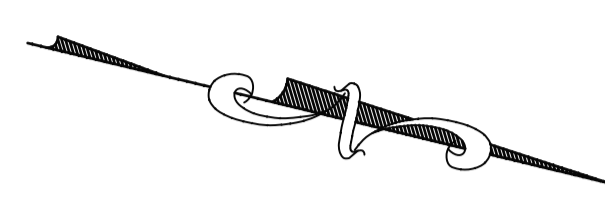


**PLEASANT STREET DEVELOPMENT - 2**  
 WOLFVILLE, NS  
 PID# 55542625

**PROPOSED SITE STORM WATER MANAGEMENT PLAN**

Date	APRIL 19, 2022	Drawn	E.FRY	Project No.
Scale	1:300	Engineer	M.VISENTIN	Plan No.





UNIT 1-196 PLEASANT STREET  
PID 55272280



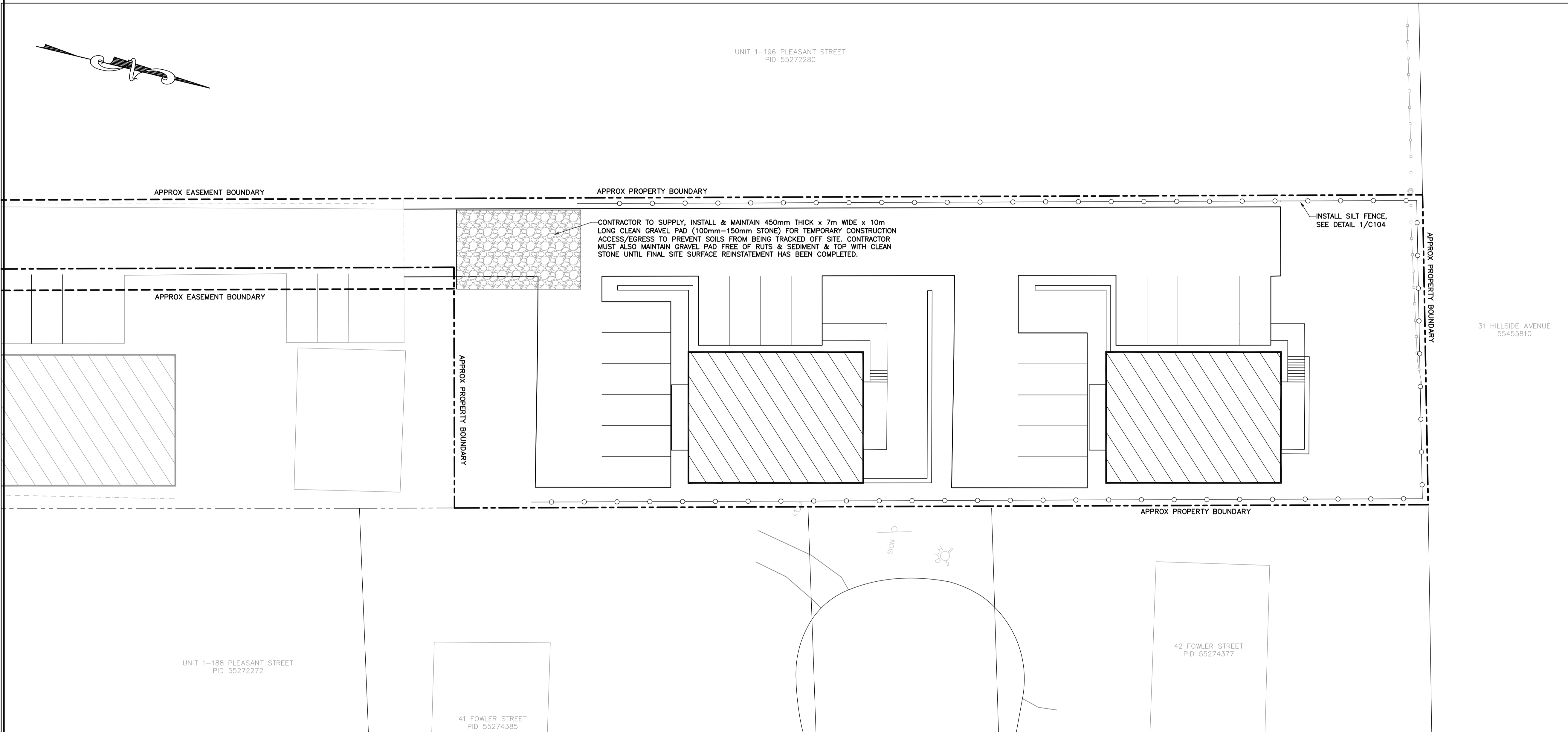
KEYPLAN

LEGEND

EXISTING		PROPOSED
⊙	GATE/BUTTERFLY VALVE	⊙
▽	STREET SIGN	▽
○/○—○	POWER POLE/LIGHT POLE	○/○—○
●/■	CATCHBASIN	●/■
⌋	CULVERT	⌋
158.5	ELEVATION	158.5
○—	HYDRANT	○—
—	PROPERTY BOUNDARY	—
—	OVERHEAD LINE	—
—SA—○—SA	SANITARY MANHOLE & PIPE	—SA—■—SA
—ST—○—ST	STORM MANHOLE & PIPE	—ST—●—ST
—WM—	WATERMAIN	—WM—
—FM—	FORCEMAIN	—FM—
—C—	UNDERGROUND CONDUIT	—C—
⌈	CONCRETE THRUST BLOCK	⌈
—	CURB AND DRIVEWAY CUT	—
—	SIDEWALK	—
—	STREET LINE	—
→	DRAINAGE DIRECTION	→
→	SWALE FLOW	→
346	CONTOUR LINES	346
—GAS—	GAS LINE	—GAS—
○	TREE	○
—	BOTTOM OF SLOPE	—
—	TOP OF SLOPE	—
—	GUARD RAIL	—
—	SILT FENCE	—SF—

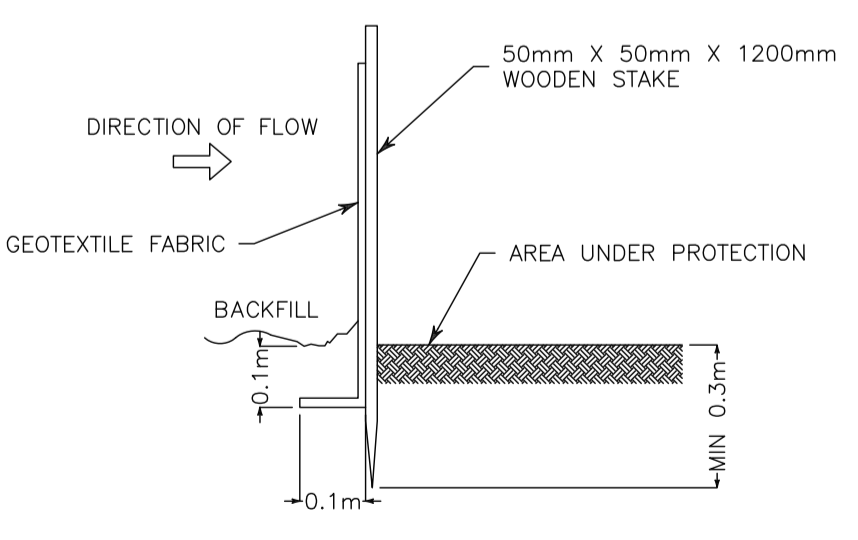
NOTES:

1. ALL MEASUREMENTS SHOWN ARE IN METRIC UNITS OF METERS.
2. TOPOGRAPHIC SURVEY DATA SHOWN HAS BEEN PRODUCED BY ABLE ENGINEERING SERVICES ON 06/23/2021. VALUES SHOWN ARE DERIVED FROM G.P.S. OBSERVATIONS ON NOVA SCOTIA GRID COORDINATE SYSTEM NAD83 CSRS 2010 CGVD2013.
3. THIS IS NOT A LEGAL BOUNDARY SURVEY. BOUNDARIES SHOWN HERE ARE APPROXIMATE, DERIVED FROM PROPERTY ONLINE MAPPING/PLAN OF SURVEY AND FIELD RECONNAISSANCE BY CIVIL ENGINEERING TECHNICIAN. BOUNDARIES ARE SUBJECT TO A LEGAL FIELD SURVEY BY A LICENSED NSLS, AND A LEGAL SURVEY MAY CAUSE OFFSETS AND BOUNDARIES TO DIFFER FROM WHAT IS SHOWN HEREIN.
4. ALL WORK MUST CONFORM TO HALIFAX WATER AND HALIFAX REGIONAL MUNICIPALITY STANDARDS AND SPECIFICATIONS (LATEST EDITION).
5. SLOPES GREATER THAN 2:1 SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER.



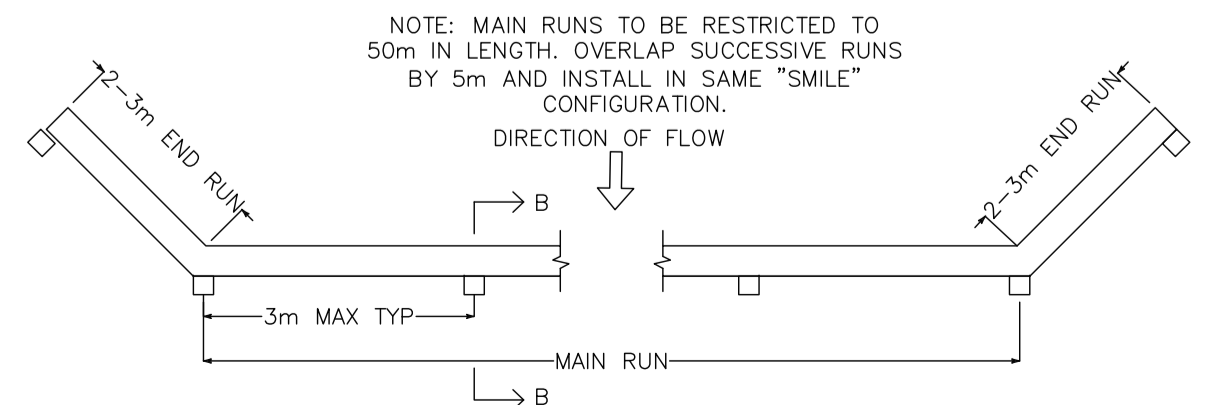
EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL CARRY OUT WORK ON THIS SITE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, PROVINCIAL, AND MUNICIPAL REGULATIONS, INCLUDING BUT NOT LIMITED TO THE OCCUPATIONAL HEALTH AND SAFETY ACT FOR THE PROVINCE OF NOVA SCOTIA.
2. THE CONTRACTOR SHALL OVERSEE THAT ALL WORK IS CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NOVA SCOTIA DEPARTMENTS OF ENVIRONMENT (NSE).
3. THE ENVIRONMENTAL BMPs INCLUDED IN THIS ESC PLAN ARE PROVIDED AS THE SUGGESTED APPROACH TO EROSION AND SEDIMENT CONTROL DURING WORK ON THIS SITE. THE CONTRACTOR SHALL IMPLEMENT THESE MEASURES AS A MINIMUM.
4. TO CONTROL EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE IT MAY BE NECESSARY TO INSTALL ADDITIONAL ENVIRONMENTAL CONTROLS BEYOND THOSE INCLUDED IN THE ESC PLAN.
5. THE CONTRACTOR SHALL OVERSEE A COPY OF ALL PERTINENT APPROVALS AND PERMITS ARE KEPT ONSITE (INCLUDING THE ESC PLAN FOR THE SITE AND ANY SUBSEQUENT REVISIONS TO THE ESC PLAN). THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS ISSUED BY THE REGULATORS.
6. THE CONTRACTOR SHALL MAINTAIN ALL ENVIRONMENTAL CONTROLS UNTIL THE SITE HAS BEEN STABILIZED AND APPROVED BY THE REGULATOR.
7. THE CONTRACTOR SHALL PREVENT THE RELEASE OF SEDIMENT TO ALL WATERCOURSES, WETLANDS AND/OR PROPERTIES ADJACENT TO THE CONSTRUCTION SITE.
8. THE CONTRACTOR OR SITE DESIGNATE SHALL NOTIFY NSE IF THERE ARE ANY OFFSITE IMPACTS AND ENSURE THAT DEFICIENCIES ARE CORRECTED WITHIN 12 HOURS OF ANY BREACH.
9. THE CONTRACTOR OR SITE DESIGNATE SHALL INSPECT ENVIRONMENTAL CONTROLS BEFORE AND AFTER PRECIPITATION EVENTS FORECASTED TO BE > 10 MM.
10. IN THIS ESC PLAN, ANY REFERENCE TO A PREDICTED FORECAST FOR PRECIPITATION EVENTS REFERS TO FORECASTS BY ENVIRONMENT CANADA ONLY.
11. NO WASHING, FUELING OR MAINTENANCE OF VEHICULAR EQUIPMENT WILL BE ALLOWED WITHIN 30 M OF ANY WATERCOURSE OR WETLAND WITHOUT SECONDARY CONTAINMENT.
12. NO STORAGE OF CHEMICALS, PETROLEUM, OILS OR LUBRICANTS WILL BE ALLOWED WITHIN 30 M OF A WATERCOURSE OR WETLAND.
13. ALL EQUIPMENT USED DURING CONSTRUCTION ACTIVITIES WILL BE FREE OF LEAKS AND COATINGS OF HYDROCARBON-BASED FLUIDS OR LUBRICANTS THAT ARE HARMFUL TO THE ENVIRONMENT. HOSES AND TRUCK FUEL TANKS WILL BE ROUTINELY CHECKED FOR FRACTURES OR BREAKS.
14. THE CONTRACTOR SHALL HAVE AN EMERGENCY SPILL PREVENTION AND RESPONSE PLAN PREPARED PRIOR TO THE COMMENCEMENT OF ANY WORK AT THE SITE. THE CONTRACTOR SHALL HAVE THE APPROPRIATE SPILL RESPONSE EQUIPMENT, SPECIFIC TO THE TYPE OF SPILLS THAT MOST LIKELY TO OCCUR DURING WORK ACTIVITIES ON THE SITE AT ALL TIMES.
15. THE CONTRACTOR MAY BE REQUIRED TO COVER EXPOSED SOIL BEFORE THE NEXT PRECIPITATION EVENT. TEMPORARY COVER WILL CONSIST OF DRY MULCHING AT A RATE OF 4,500 KG/HA (45 KG/100 M2) TO PREVENT EROSION.
16. CONSTRUCTION ON THE SITE SHALL NOT RESULT IN SEDIMENT AND DEBRIS BEING DEPOSITED ON PUBLIC ROADS. ADJACENT PUBLIC ROADS SHALL BE CLEANED AT THE END OF EACH DAY AGGREGATE PADS MAY HAVE TO BE PLACED AT THE EGRESS OF ALL ACCESS ROADS FROM THE SITE TO REMOVE MUD AND DEBRIS FROM TRUCK AND EQUIPMENT TIRES.
17. WORK SHOULD BE SEQUENCED TO LIMIT EXPOSED SOILS TO THOSE AREAS WHICH WORK CAN BE PERFORMED IN A TIMELY MANNER & SHOULD SUBSEQUENTLY BE PROTECTED TO MINIMIZE RENDERING SUITABLE SOILS FROM BECOMING UNSUITABLE.
18. PREPARED SURFACES SHOULD BE PROTECTED TO MINIMIZE THE AMOUNT OF DEGRADATION. IT IS RECOMMEND SEALING THE SURFACES WITH A ROLLER AT THE END OF EACH WORK DAY TO HELP MINIMIZE WATER PENETRATION. IT WOULD ALSO BE PRUDENT TO INCLUDE PROVISION FOR A STABILIZING LAYER OF ROCKFILL IN AREAS OF HIGH CONSTRUCTION TRAFFIC FLOW.
19. SEDIMENT FENCE AND GRUBBING BERM AREAS TO BE INSPECTED AFTER EVERY RAINFALL EVENT AND WEEKLY. RECORD TO BE KEPT BY CONTRACTOR.
20. KEEP CLEAN WATER CLEAN.
21. SEDIMENT CONTROL BMPs (I.E., PERIMETER CONTROLS) SHOULD BE PLACED TO CAPTURE ANY RESIDUAL SEDIMENT FROM ENTERING A WATERCOURSE OR WETLAND AND/OR LEAVING THE SITE.
22. SEDIMENT PONDS WILL BE USED ON THIS SITE. THE DISCHARGE LOCATION SHALL BE IN A DENSELY VEGETATED AREA LOCATION MORE THAN 30 M FROM ANY WATERCOURSE OR WETLAND. THE PERFORATED PIPE MUST BE LAID FLAT ON A CONTOUR SO THAT FLOW TAKES PLACE OVER THE ENTER LENGTH OF THE PIPE.
23. TEMPORARY SEDIMENTATION PONDS TO HOLD MINOR RAIN EVENTS. IN THE OF HEAVY RAINFALL, CONTRACTOR TO INCREASE ESC MEASURES TO PROTECT SURROUNDING AREA

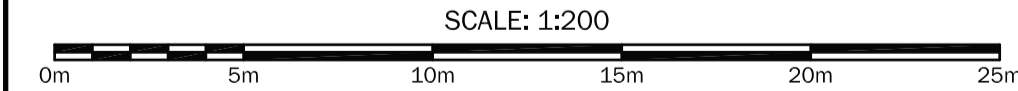


SECTION B-B

1 INSTALLATION TYPE 1 SILT FENCE  
N/A



NOTE: MAIN RUNS TO BE RESTRICTED TO 50m IN LENGTH. OVERLAP SUCCESSIVE RUNS BY 5m AND INSTALL IN SAME "SMILE" CONFIGURATION.



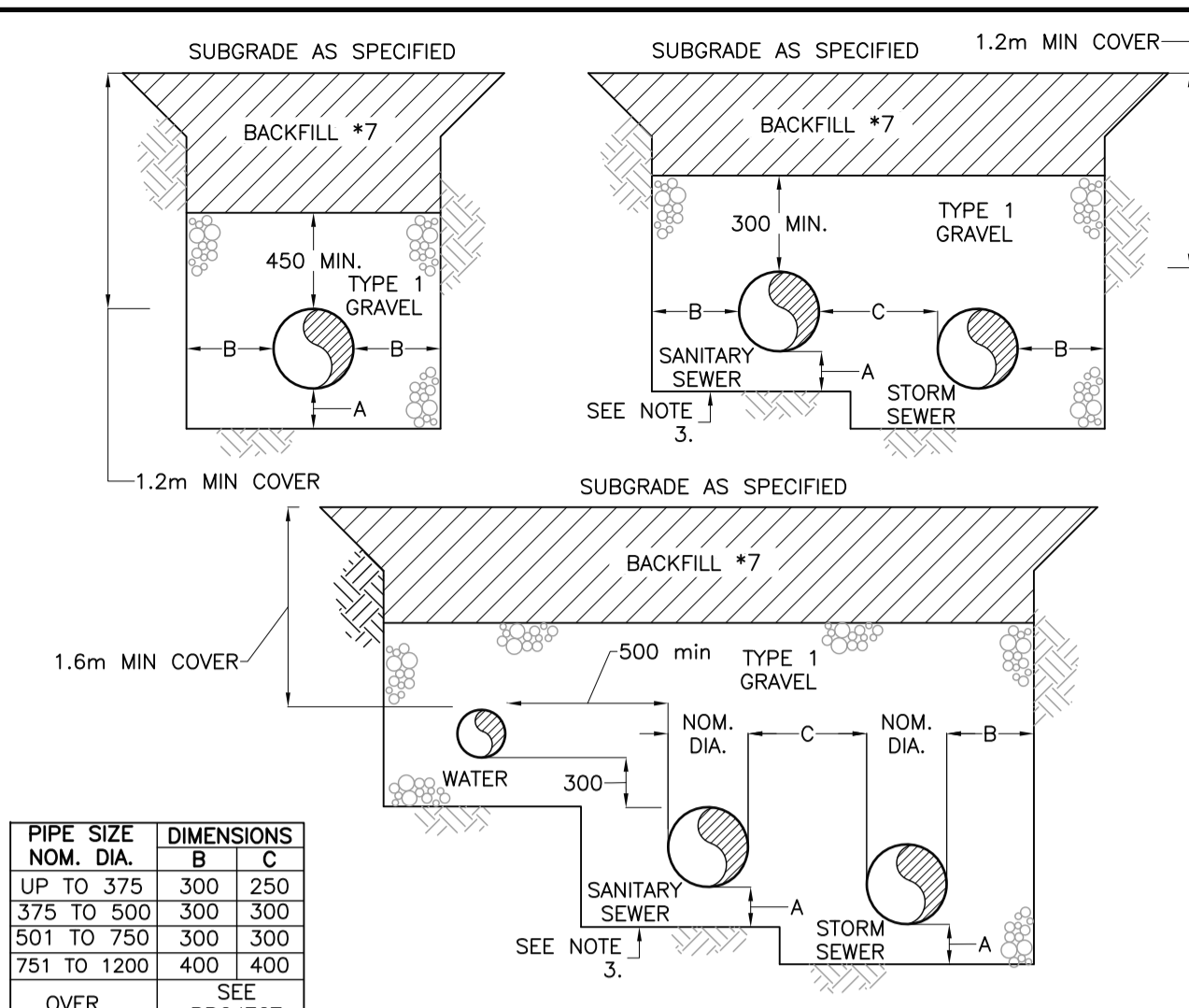
PLEASANT STREET DEVELOPMENT - 2  
WOLFFVILLE, NS  
PID# 55542625

EROSION AND SEDIMENT CONTROL PLAN

Date	JANUARY 10, 2023	Drawn	E.FRY	Project No.	
Scale	1:200	Engineer	M.VISENTIN	Plan No.	C104

1	01/19/23	TOWN OF WOLFFVILLE REVISIONS		
No.	Date	Revision	Description	App'd
Seal				

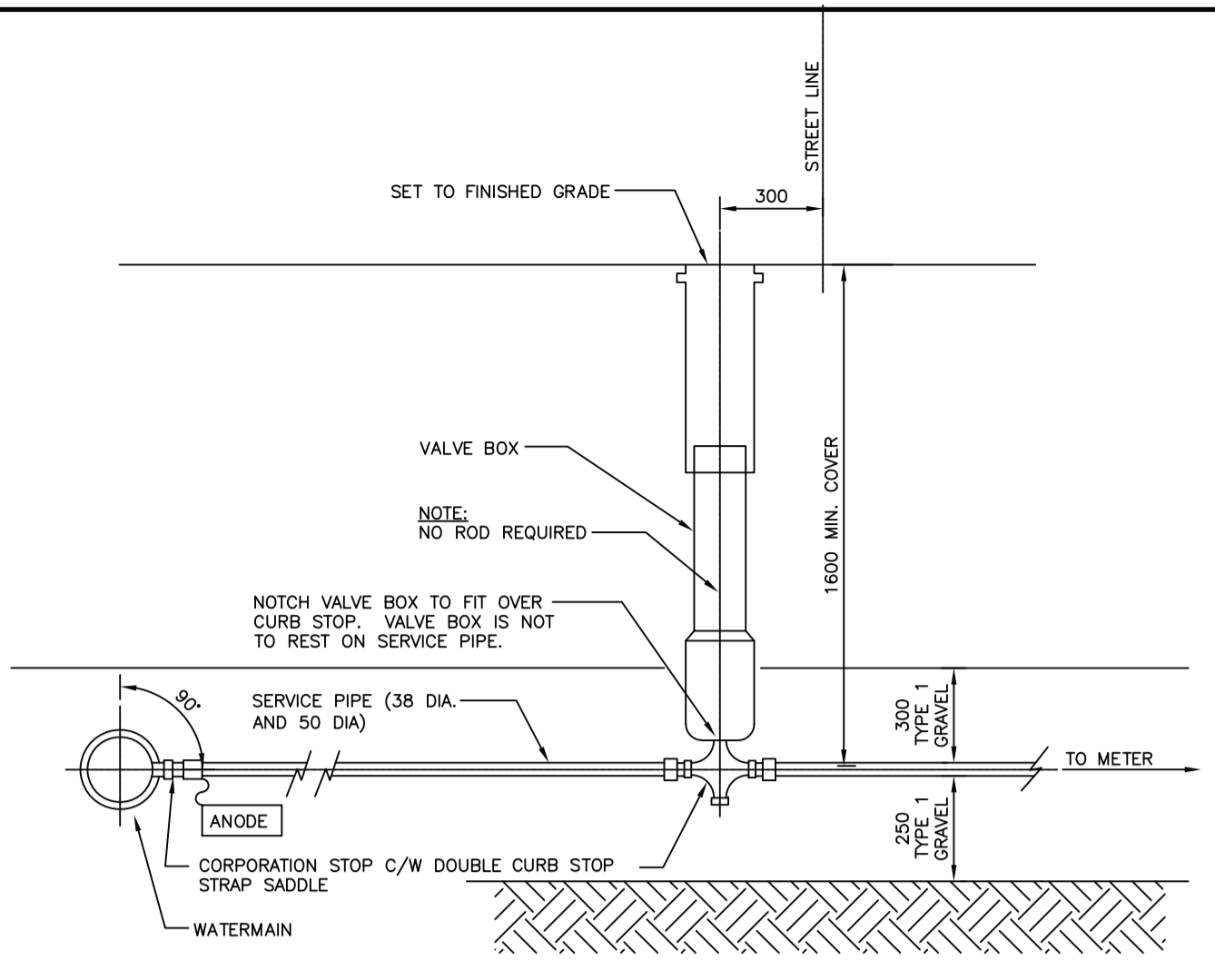




PIPE SIZE NOM. DIA.	DIMENSIONS B	C
UP TO 375	300	250
375 TO 500	300	300
501 TO 750	300	300
751 TO 1200	400	400

- NOTES:**
- DIMENSION "A" IS 25% OF THE NOMINAL PIPE DIAMETER OR 250mm, WHICHEVER IS GREATER.
  - DIMENSION "C" IS GOVERNED BY THE LARGER PIPE DIAMETER.
  - SIDES OF TRENCHES TO REQUIREMENTS OF DEPARTMENT OF LABOUR.
  - IF CROWNS OF STORM AND SANITARY SEWER ARE NOT MATCHED, THE INVERT OF THE STORM SEWER MUST BE AT LEAST 100mm BELOW THE INVERT OF THE SANITARY SEWER.
  - WHEN CONCRETE PIPE IS SPECIFIED FOR A SANITARY SEWER, A GEOTECHNICAL REPORT BY A P.ENG. MUST BE UNDERTAKEN TO ENSURE STABILITY OF THE SUBBASE.
  - MINIMUM GRAVEL COVER OVER SANITARY AND STORM SEWERS IS TO BE 300mm.
  - TYPE 1 CLASS GRAVEL TO BE COMPACTED IN 150mm THICK LAYERS.
  - BACKFILL TO BE GRANULAR MATERIAL AND/OR COMMON EXCAVATED MATERIAL AS APPROVED BY GEOTECHNICAL CONSULTANT.
  - DEPTH OF COVER FOR ALL SEWER PIPING TO BE MINIMUM 1.2m.
  - DEPTH OF COVER FOR ALL WATER PIPING TO BE MINIMUM 1.6m AND MAXIMUM 2.0m.

1 TYPICAL TRENCH CROSS-SECTION  
500 N.T.S. SEE HWS-1440



- NOTES:**
- SELECT BACKFILL (MAX. SIZE 50 mm) TO BE PLACED AROUND VALVE BOX TO SUBGRADE.
  - WHERE A POLYWRAPPED WATERMAIN IS TAPPED, PLACE 150 mm WIDE BAND OF 50 mm WIDE DUCT TAPE AROUND AREA TO BE TAPPED.
  - ANODE TO BE ZINC 24-48 TYPE
  - SERVICE SADDLE REQUIRED FOR 38 mm AND LARGER CONNECTIONS.
  - BACKFILLING OF SERVICE TRENCH TO BE IN ACCORDANCE WITH SECTION 33 11 00 (3.2.1.1)
  - AN ANODE IS NOT REQUIRED IF MUNICIPEX SERVICE PIPE IS USED.
  - TRACE WIRE FOR MUNICIPEX INSTALLATIONS.

2 WATER SERVICE CONNECTION 38MM (1-1/2") DIA. AND OVER  
C500 SCALE: NTS

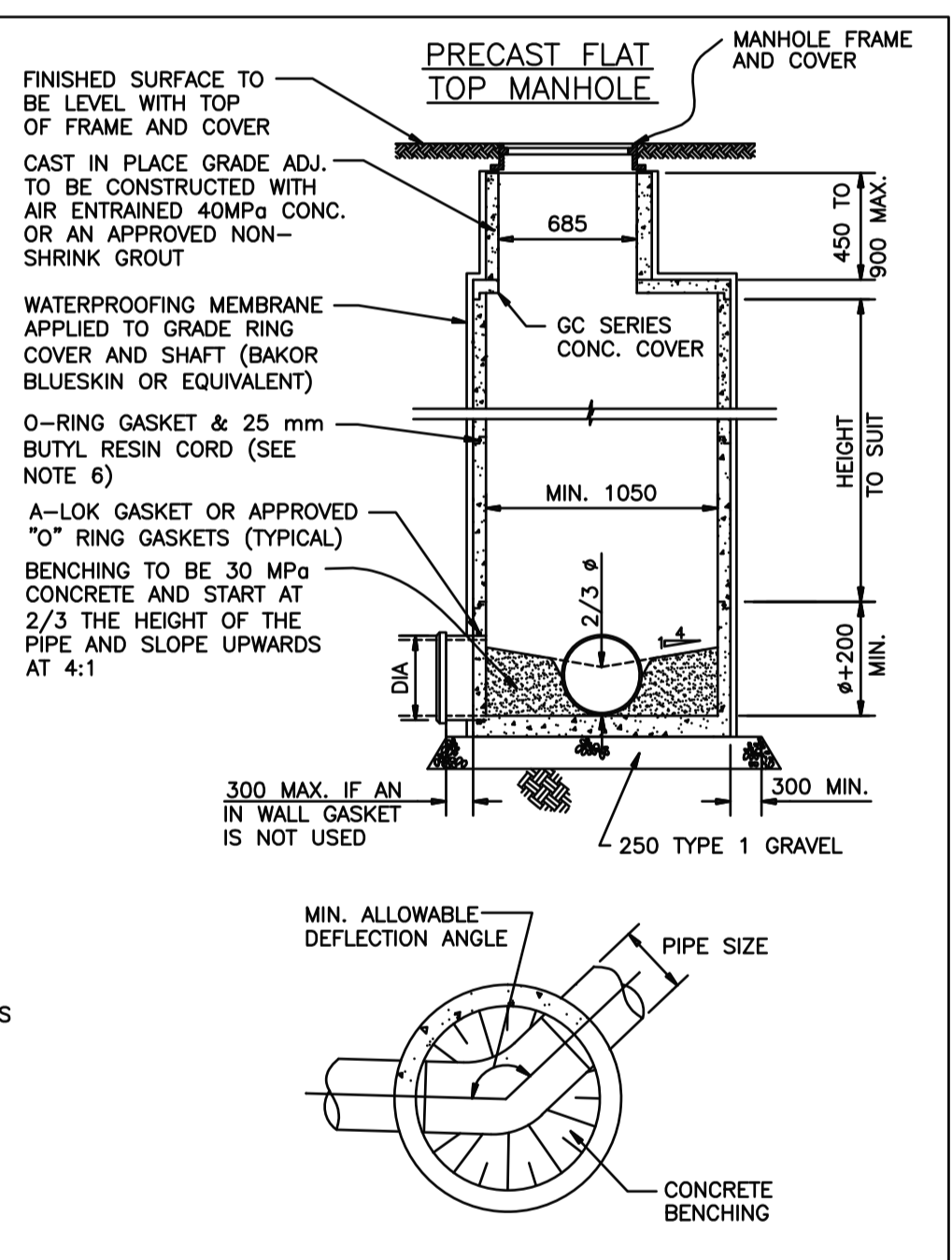
**MIN. ALLOWABLE DEFLECTION ANGLES FOR CONCRETE PIPE**

PIPE SIZE (mm)	MINIMUM ALLOWABLE DEFLECTION ANGLE						
	1050 M.H.	1200 M.H.	1500 M.H.	1800 M.H.	2100 M.H.	2400 M.H.	
200	90	90	90	90	90	90	90
250	90	90	90	90	90	90	90
300	90	90	90	90	90	90	90
375	100	90	90	90	90	90	90
450	115	100	90	90	90	90	90
525	135	115	90	90	90	90	90
600	n/g	130	105	90	90	90	90
750	n/g	n/g	n/g	n/g	95	90	90
900	n/g	n/g	n/g	n/g	115	100	90
1050	n/g	n/g	n/g	n/g	130	110	90

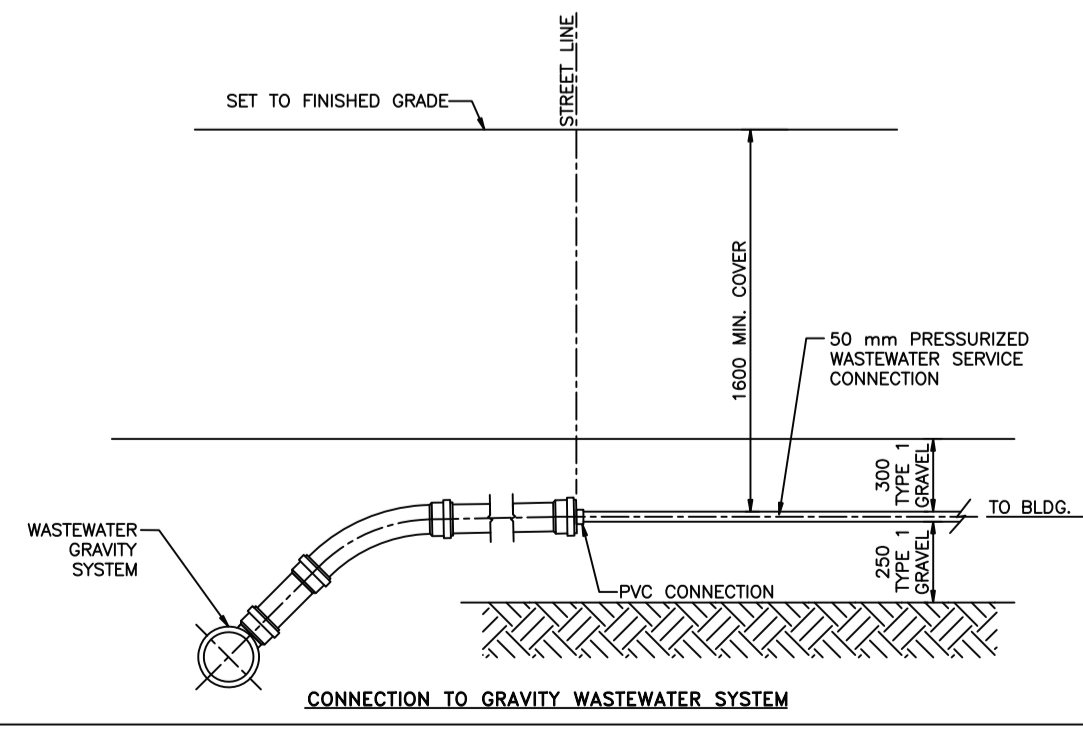
**MIN. ALLOWABLE DEFLECTION ANGLES FOR P.V.C. PIPE**

PIPE SIZE (mm)	MIN. ANGLE						
	1050 M.H.	1200 M.H.	1500 M.H.	1800 M.H.	2100 M.H.	2400 M.H.	
200	90	90	90	90	90	90	90
250	90	90	90	90	90	90	90
300	90	90	90	90	90	90	90
375	90	90	90	90	90	90	90
450	95	90	90	90	90	90	90
525	110	95	90	90	90	90	90
600	n/g	110	90	90	90	90	90
750	n/g	n/g	n/g	n/g	95	90	90
900	n/g	n/g	n/g	n/g	110	90	90
1050	n/g	n/g	n/g	n/g	105	95	90

- NOTES:**
- PRECAST SECTIONS MUST CONFORM TO SECTION 33 39 00 OF THE STANDARD SPECIFICATIONS FOR MUNICIPAL SERVICES.
  - CHANNELS IN DEAD END MANHOLES TO FINISH 225 mm FROM UPSTREAM WALL.
  - LIFT HOLES IN PRECAST SECTIONS TO BE GROUTED WITH CEMENT MORTAR PRIOR TO PLACING GRANULAR BACKFILL.
  - IF FINAL GRADE ADJUSTMENT EXCEEDS 150 mm IN HEIGHT, CIRCULAR 15M REBAR MUST BE INCORPORATED IN THE RAISED SECTION.
  - TABLES ARE ONLY PROVIDED AS A GUIDE AND NOT INTENDED FOR DESIGN PURPOSES. ALL SYSTEMS MUST BE APPROVED BY HWIC STAFF.
  - IN ADDITION TO O-RING GASKETS, JOINTS IN PRECAST SECTIONS BELOW THE CONCRETE MANHOLE COVER SHALL BE SEALED WITH 25 mm BUTYL RESIN CORD. THE CORD SHALL BE PLACED ON THE UPPER INSIDE LEDGE OF THE JOINT PRIOR TO PLACEMENT OF THE SUBSEQUENT SECTION. ALL WASTEWATER MANHOLES TO BE WRAPPED IN WATERPROOFING MEMBRANE.
  - PRECAST ECCENTRIC CONE SECTIONS NOT PERMITTED.
  - BACKFILL AROUND MANHOLES SHALL BE TYPE 2 GRAVEL EXTENDING A MIN. OF 300 mm OUTWARD FROM MANHOLE AND VERTICALLY FROM BEDDING MATERIAL TO UNDERSIDE OF ROADBED GRAVELS.
  - "A-LOK" OR APPROVED "O" RING GASKETS SHALL BE THOROUGHLY CLEANED, THEN COVERED GENEROUSLY WITH LUBRICANT SPECIFIED BY THE PIPE MANUFACTURER.

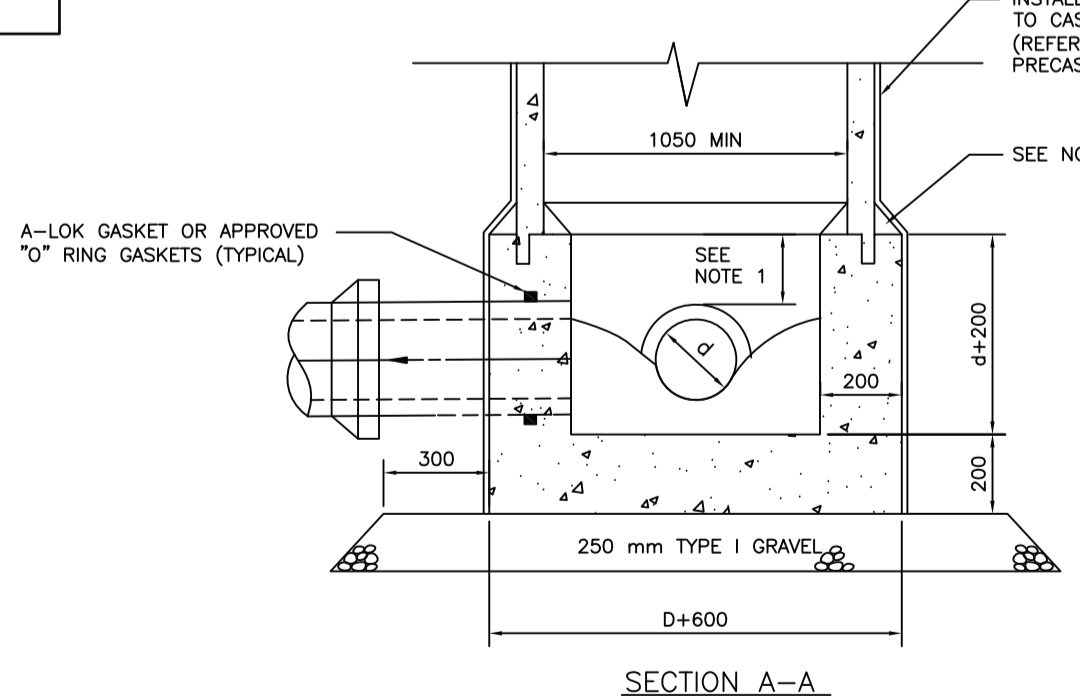


3 STANDARD PRECAST MANHOLE DETAIL HWS-1450  
500 N.T.S.



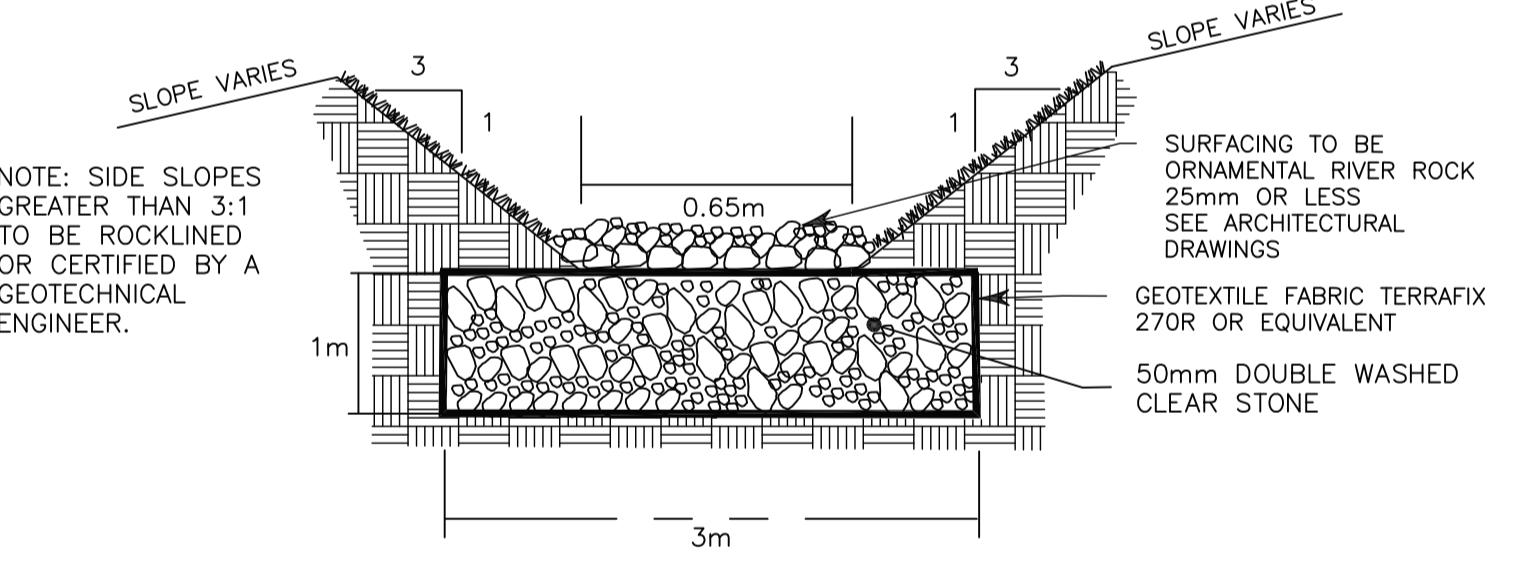
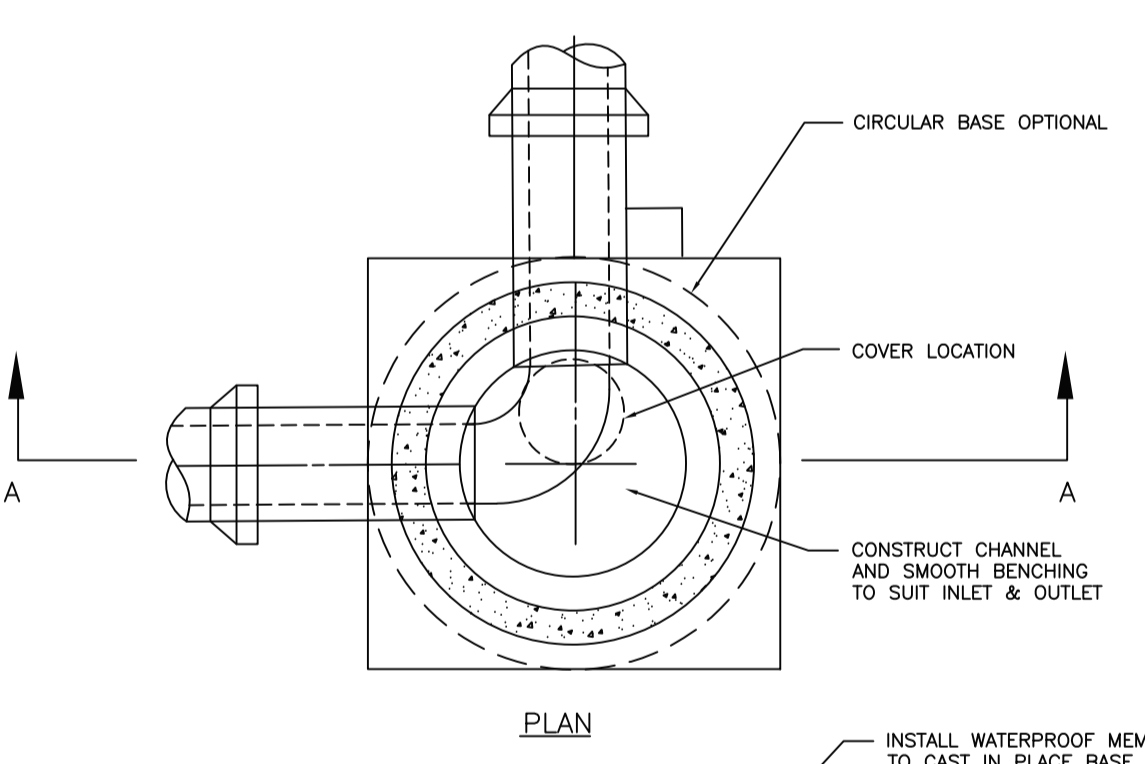
- NOTES:**
- SELECT BACKFILL (MAX. SIZE 50 mm) TO BE PLACED AROUND VALVE BOX TO SUBGRADE.
  - SERVICE SADDLE REQUIRED FOR 50 mm.
  - TRACE WIRE FOR LOCATING PURPOSES TO BE INSTALLED ON PRESSURIZED WASTEWATER SERVICE CONNECTIONS.

6 PRESSURE PIPE TO GRAVITY PIPE DETAIL  
C500 SCALE: NTS

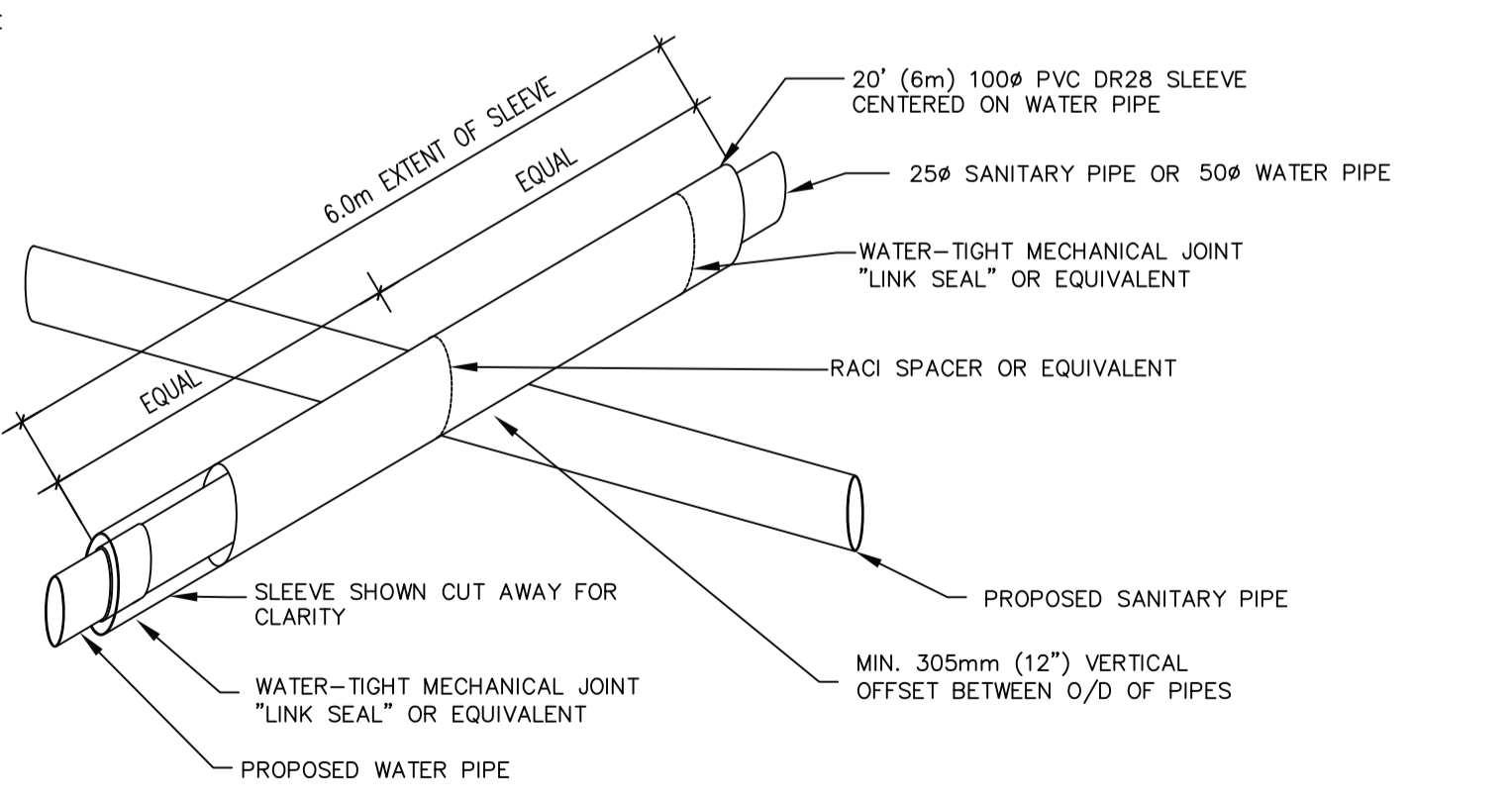


- NOTES:**
- MINIMUM OF 100 mm ABOVE LARGEST PIPE.
  - BELL END OF PRECAST SECTION TO BE FULLY EMBEDDED IN PARTIALLY SET CAST-IN-PLACE BASE. FINISH INTERFACE WITH GROUT OR CONCRETE ON INSIDE AND OUTSIDE OF MANHOLE, SLOPING UP AT 1:1 TO MEET PRECAST SECTION.
  - BACKFILL AROUND MANHOLES SHALL BE TYPE 2 GRAVEL EXTENDING A MIN. OF 300 mm OUTWARD FROM MANHOLE AND VERTICALLY FROM BEDDING MATERIAL TO UNDERSIDE OF ROADBED GRAVELS.

5 CAST-IN-PLACE BASE FOR PRECAST MANHOLE  
C500 SCALE: NTS



4 INDUCED INFILTRATION SWALE  
C500 SCALE: NTS

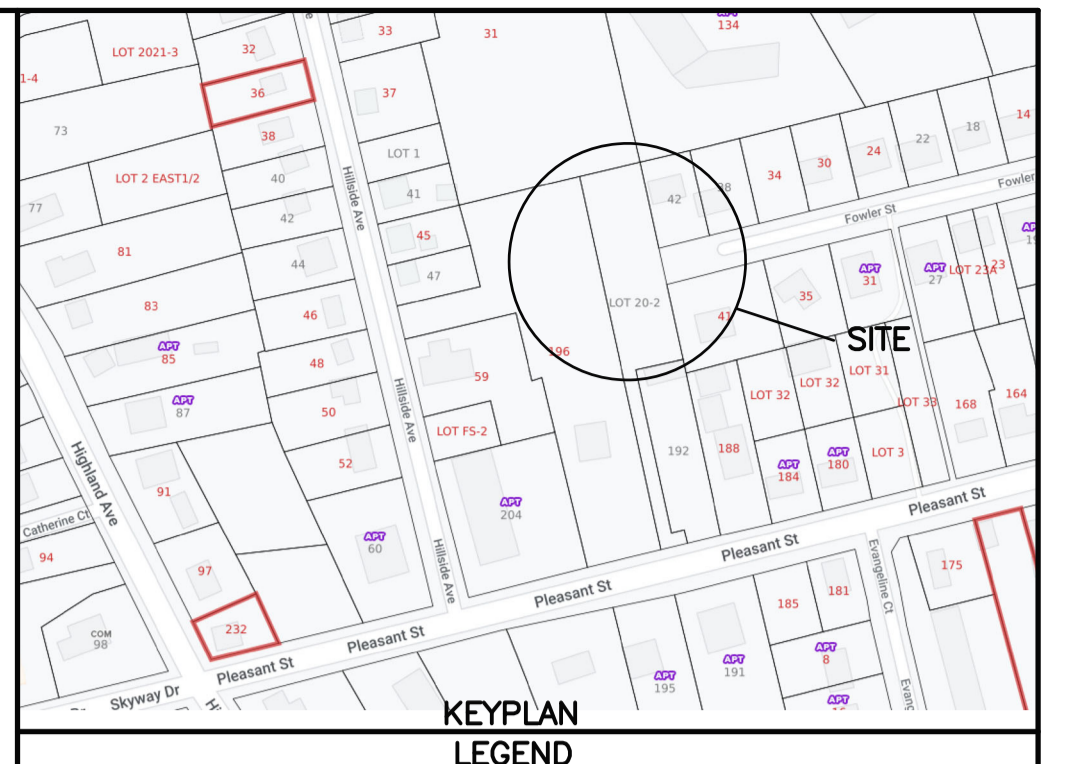


- NOTES:**
- THIS DETAIL ALSO APPLIES TO:
    - NEW WATER PIPES PASSING OVER EXISTING SEWER PIPES WHEN VERTICAL CLEARANCE IS LESS THAN 450mm.
    - NEW SEWER PIPES CROSSING OVER EXISTING WATER PIPES.
    - NEW SEWER PIPES CROSSING UNDER EXISTING WATER PIPES WHEN VERTICAL CLEARANCE IS LESS THAN 450mm.
    - WHERE NEW WATER PIPES ARE LESS THAN 3.0m HORIZONTAL CLEARANCE FROM A SANITARY FORCE MAIN

7 TYPICAL SEWER AND WATER PIPE CROSSING DETAIL  
500 N.T.S.

**DESIGN NOTES**

- GENERAL:**
- ALL MEASUREMENTS SHOWN IN METRIC UNITS OF METERS UNLESS OTHERWISE SHOW.
  - REFER TO LANDSCAPE OR GRADING PLAN FOR FINISHED GRADES.
  - THE CONTRACTOR SHALL CHECK AND VERIFY ALL PROPOSED DIMENSIONS BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION. ADJUSTMENTS WILL BE MADE BY THE ENGINEER AS NECESSARY.
  - THESE DRAWINGS ARE NOT AUTHORIZED FOR CONSTRUCTION UNLESS NOTED IN REVISION BLOCK.
  - EXISTING PROPERTY BOUNDARIES AND UNDERGROUND SERVICES AND UNDERGROUND UTILITY INFORMATION IS SHOWN AS APPROXIMATE ONLY AND HAVE BEEN TAKEN FROM SURVEY OR MUNICIPAL GIS DATA.
  - UTILITY INFORMATION SHOWN IS APPROXIMATE ONLY. CONTRACTOR SHALL DETERMINE IN THE FIELD, THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
  - WHERE EXISTING CONDITIONS ARE NOT NECESSARILY ACCURATE OR COMPLETE, THE CONTRACTOR SHALL CONFIRM ALL EXISTING DIMENSIONS, ELEVATIONS AND LOCATIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
  - WHEN CONNECTING TO EXISTING SERVICES, THE CONTRACTOR SHALL LOCATE AND CONFIRM ALL EXISTING HORIZONTAL LOCATIONS AND INVERT ELEVATIONS OF EXISTING CONNECTING INFRASTRUCTURE PRIOR TO CONSTRUCTING ANY NEW WORK ON THE SITE.
  - CONTRACTOR SHALL APPLY FOR AND OBTAIN APPROVAL FOR ALL REQUIRED PERMITS PRIOR TO START OF ANY CONSTRUCTION
- SPECIFICATIONS:**
- ALL WORK PERFORMED AND MATERIALS SUPPLIED SHALL BE IN ACCORDANCE WITH THE FOLLOWING REGULATORY AGENCIES AND SPECIFICATIONS:
    - LOCAL MUNICIPAL DESIGN AND CONSTRUCTION SPECIFICATIONS.
    - THE NOVA SCOTIA STANDARD SPECIFICATIONS FOR MUNICIPAL SERVICES.
    - NSDOE SPECIFICATIONS AND REGULATIONS.
    - APPLICABLE PROVINCIAL AND FEDERAL SPECIFICATIONS AND REGULATIONS.
    - PRODUCT SPECIFIC MANUFACTURERS INSTALLATION PROCEDURES AND SPECIFICATIONS.
  - PROJECT SPECIFIC WRITTEN SPECIFICATIONS MAY APPLY WHEN THEY FORM PART OF TENDER PACKAGE AND SHALL BE READ IN CONJUNCTION WITH THESE DESIGN PLANS.
- ENVIRONMENTAL:**
- CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROL PLAN (SITE PLAN DRAWING AND WRITTEN DOCUMENTS) PRIOR TO COMMENCING WORK.
  - EROSION AND SEDIMENT TO BE CONTROLLED ACCORDING TO THE NOVA SCOTIA DEPARTMENT OF ENVIRONMENT AND LABOUR - EROSION AND SEDIMENTATION MANUAL
  - INSPECT AND MAINTAIN EROSION MEASURES DAILY TO ENSURE PROPER OPERATION. IMMEDIATELY CORRECT DAMAGED OR NON-FUNCTIONING DEVICES.
  - ALL EROSION CONTROL DEVICES AND CONSTRUCTION OF ALL SEDIMENT CONTROL BARRIERS TO CONFORM TO NSTIR STANDARD SPECIFICATION FOR CONSTRUCTION AND MAINTENANCE, LATEST EDITION.
  - WHERE APPLICABLE, ALL CULVERT INSTALLATION WORK MUST CONFORM TO THE NOVA SCOTIA WATERCOURSE ALTERATION SPECIFICATIONS (2006).
- CONSTRUCTION:**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH LANDSCAPE, ARCHITECTURAL, MECHANICAL, STRUCTURAL, AND ELECTRICAL DRAWINGS. ANY DISCREPANCIES MUST BE BROUGHT TO THE ENGINEERS' ATTENTION IMMEDIATELY.
  - CONTRACTOR IS RESPONSIBLE FOR SETTING GRADES AND LAYOUT CONTROL.
  - IF UNUSUAL OR UNANTICIPATED SITE CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP RELATED WORK AND ADVISE THE ENGINEER IMMEDIATELY.
  - CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER AT LEAST 48HRS PRIOR TO STARTING ANY CONSTRUCTION RELATED TO UNDERGROUND SERVICES.
  - THE CONTRACTOR SHALL NOT INSTALL ANY UNDERGROUND SERVICES WITHOUT NOTIFYING THE ENGINEER PRIOR TO START OF CONSTRUCTION AND WITHOUT THE ENGINEERS INSPECTOR REPRESENTATIVE PRESENT.
  - ALL UNDERGROUND SERVICES PIPING AND RELATED STRUCTURES ARE NOT TO BE COVERED OVER OR BACKFILLED WITHOUT AUTHORIZATION FROM THE ENGINEERS INSPECTOR REPRESENTATIVE. PIPING COVERED OVER AND BACKFILLS WITHOUT THE DESIGN ENGINEERS AUTHORIZATION WILL BE EXCAVATED AND RE-INSPECTED AT THE CONTRACTORS EXPENSE.
  - CONDUCT WORK IN ACCORDANCE WITH OCCUPATIONAL HEALTH AND SAFETY REGULATIONS AND GUIDELINES.
- PROJECT SPECIFIC NOTES:**
- NEW DOMESTIC WATER SERVICES TO BE INSTALLED WITH A MINIMUM OF 1.6m AND A MAXIMUM OF 2.0m OF COVER.
  - ALL UNDERGROUND SANITARY SEWER PIPING TO BE INSTALLED WITH MINIMUM 1.3m COVER. PIPES THAT CAN NOT ACHIEVE 1.3m COVER MAY BE INSULATED WITH ENGINEERS' APPROVAL.
  - ALL SLOPES STEEPER THAN 3H:1V TO BE CERTIFIED BY GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.
  - STANDARD SANITARY MANHOLE-ALL INTERIOR AND EXTERIOR JOINTS NOT COVERED BY BLUESKINS SHALL BE GROUTED.
  - ALL SANITARY MANHOLES TO HAVE EXTERIOR JOINTS WRAPPED COMPLETELY IN "BLUESKIN" AND MADE WATER TIGHT AS PER MANUFACTURERS INSTRUCTIONS.
  - CONTRACTOR TO CONTACT UTILITY COMPANIES (BELL/ALJANT, NSPI, HERITAGE GAS etc.) TO CONFIRM IF ANY UNDERGROUND SERVICES EXIST IN THE VICINITY OF PROPOSED WORK PRIOR TO EXCAVATION.
  - PIPE MATERIAL:
    - WATER MAIN - PEX-a
    - SANITARY FORCE LATERAL - PEX-a
    - SANITARY GRAVITY LATERAL - PVC DR35



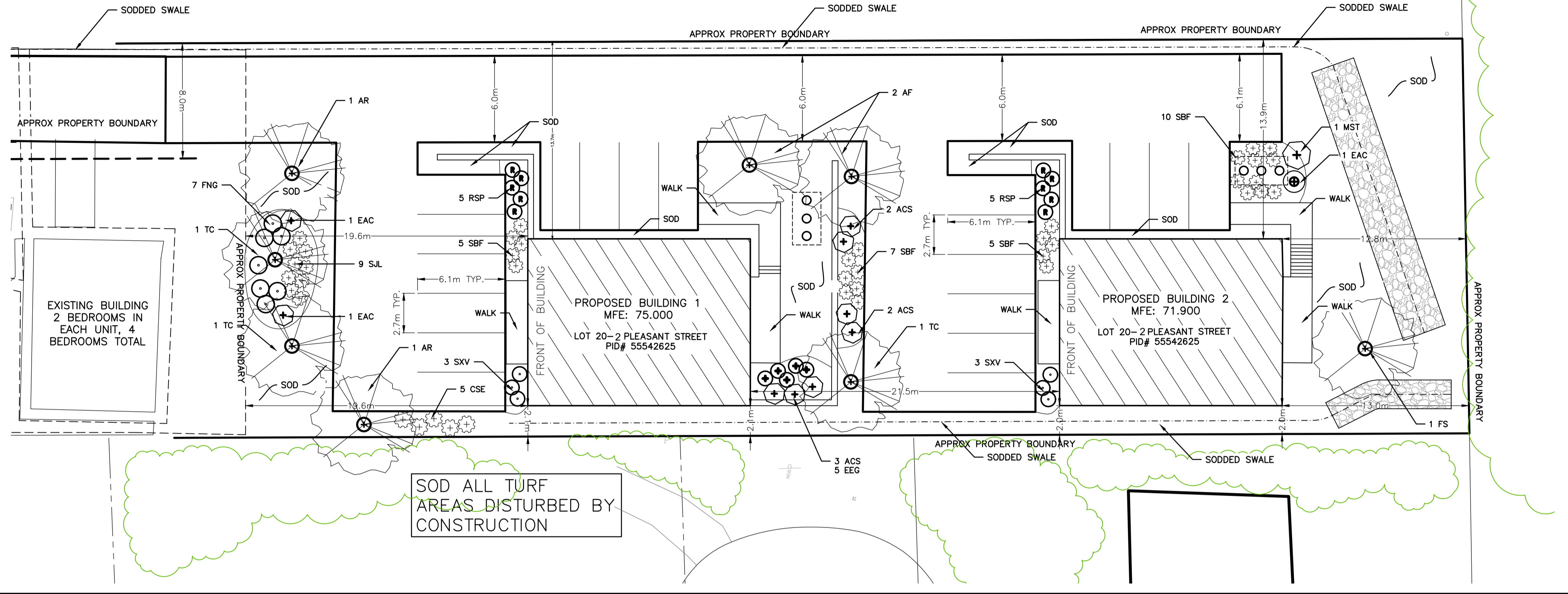
EXISTING		PROPOSED
⊗	GATE/BUTTERFLY VALVE	⊗
⊕	STREET SIGN	⊕
○/○	POWER POLE/LIGHT POLE	○/○
⊗/⊗	CATCHBASIN	⊗/⊗
⊔	CULVERT	⊔
158.5	ELEVATION	158.5
○	HYDRANT	○
---	PROPERTY BOUNDARY	---
---	OVERHEAD LINE	---
SA-□-SA	SANITARY MANHOLE & PIPE	SA-□-SA
ST-○-ST	STORM MANHOLE & PIPE	ST-○-ST
WM-WM	WATERMAIN	WM-WM
⊕-WM-⊕	WATER SERVICE	⊕-WM-⊕
FM-FM	FORCEMAN	FM-FM
C-C	UNDERGROUND CONDUIT	C-C
⊔	CONCRETE THRUST BLOCK	⊔
---	CURB AND DRIVEWAY CUT	---
---	SIDEWALK	---
---	STREET LINE	---
---	DRAINAGE DIRECTION	---
→	SWALE FLOW	→
346	CONTOUR LINES	346
GAS-GAS	GAS LINE	GAS-GAS
○	TREE	○
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	GUARD RAIL	---
---	SILT FENCE	---

2	01/19/23	TOWN OF WOLFVILLE REVISIONS		
1	06/06/22	ISSUED FOR REVIEW		
No.	Date	Revision	Description	App'd
<b>ABLE</b> ENGINEERING SERVICES INC. 50 QUEEN STREET, CHESTER, NS B0J 1J0 TEL. 902-273-3050 FAX. 902-273-3072 engineering@ableinc.ca www.ableinc.ca				

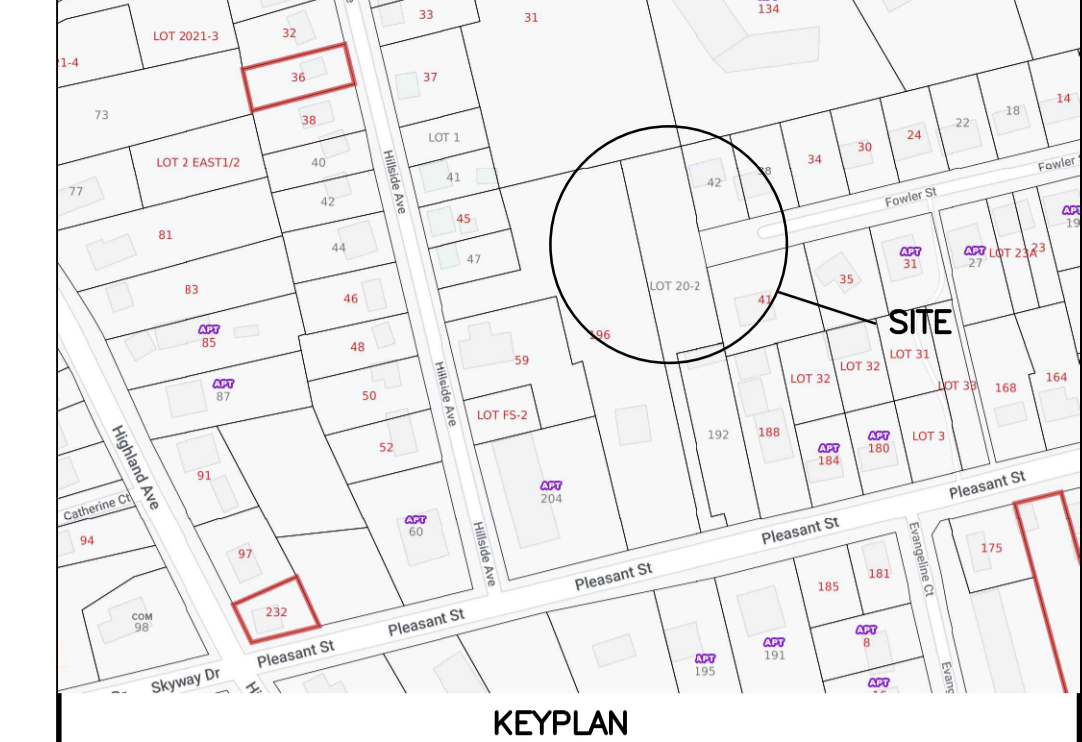
**PLEASANT STREET DEVELOPMENT - 2**  
WOLFVILLE, NS  
PID# 55542625

SERVICE DETAILS & NOTES			
Date	July 19, 2021	Drawn	E.FRY
Scale		Engineer	M.VISENTIN
Plan No.	C500		





**TOTAL AREAS WITHIN PID# 55542625**  
 PROPOSED BUILDING 1 = 179m<sup>2</sup>  
 PROPOSED BUILDING 2 = 179m<sup>2</sup>  
 PROPOSED DRIVEWAY/PARKING = 1017m<sup>2</sup>  
 PROPOSED WALKWAYS = 70m<sup>2</sup>  
 PROPOSED LANDSCAPING = 927m<sup>2</sup>  
 PERCENTAGE HARD SURFACE = 62%



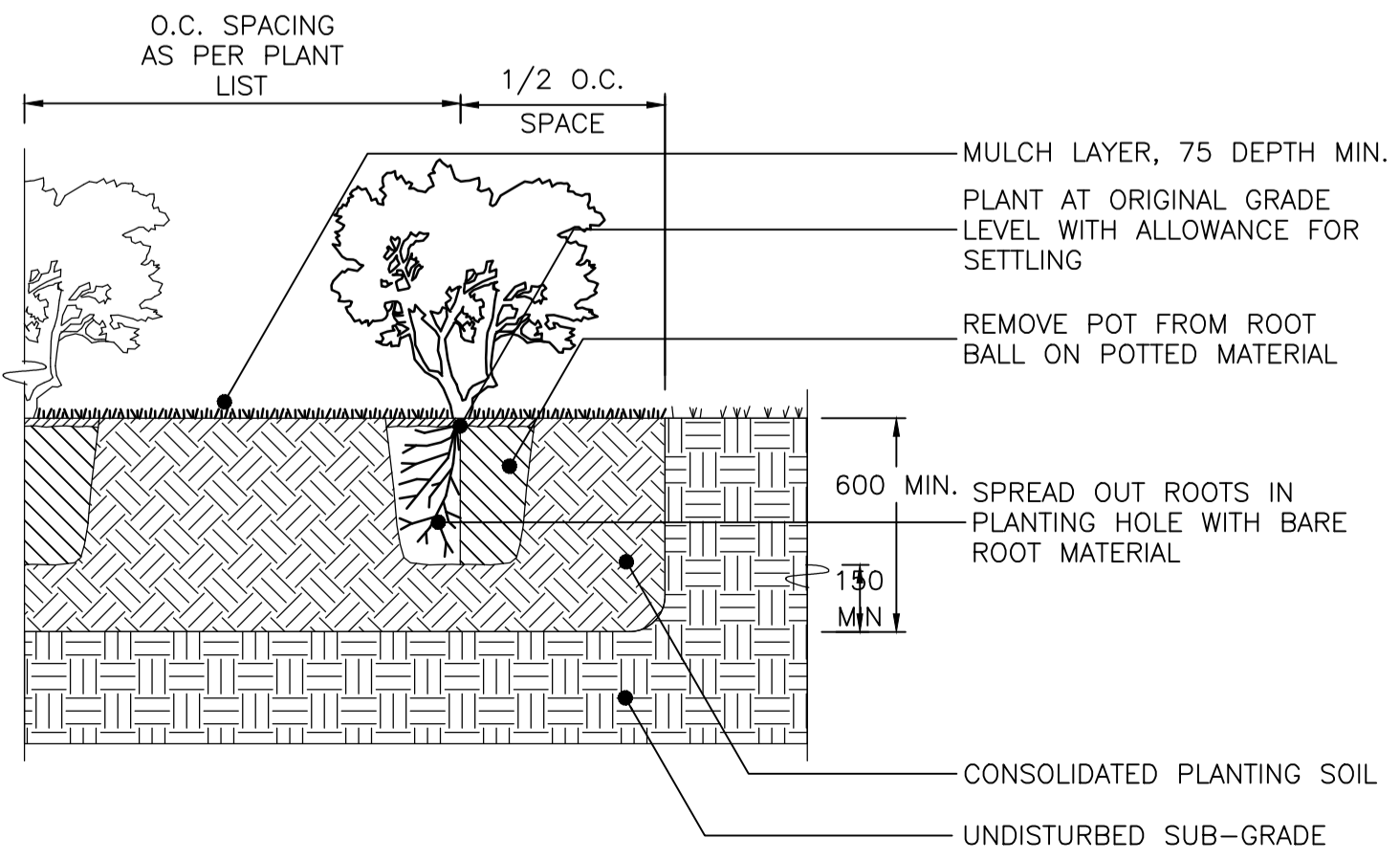
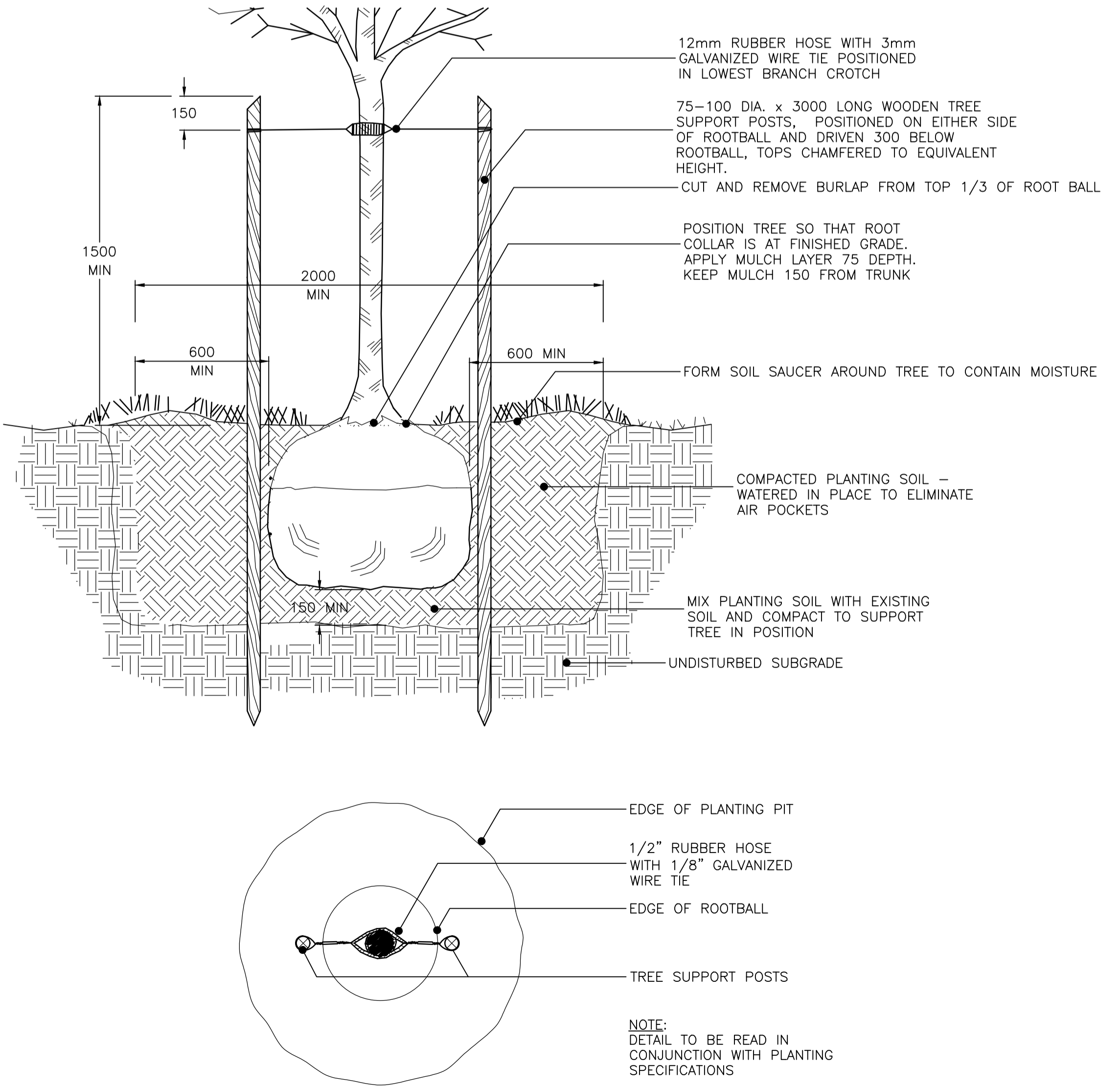
**LEGEND**

EXISTING		PROPOSED
⊕	GATE/BUTTERFLY VALVE	⊕
⊙	STREET SIGN	⊙
⊙/⊙→	POWER POLE/LIGHT POLE	⊙/⊙→
⊕	CATCHBASIN	⊕
⊂	CULVERT	⊂
156.5	ELEVATION	156.5
⊕	HYDRANT	⊕
---	PROPERTY BOUNDARY	---
---	OVERHEAD LINE	---
SA-SA	SANITARY MANHOLE & PIPE	ST-ST
ST-ST	STORM MANHOLE & PIPE	WM-WM
WM-WM	WATERMAIN	WM-WM
WM-WM	WATER SERVICE	WM-WM
FM-FM	FORCEMAIN	FM-FM
C-C	UNDERGROUND CONDUIT	C-C
---	CONCRETE THRUST BLOCK	---
---	CURB AND DRIVEWAY CUT	---
---	SIDEWALK	---
---	STREET LINE	---
---	DRAINAGE DIRECTION	---
---	SWALE FLOW	---
---	CONTOUR LINES	---
---	GAS LINE	---
---	TREE	---
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	SILT FENCE	---

**PLANTING SCHEDULE**

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING	STAKING	REMARKS
AF	2	Acer freemanii 'Autumn Blaze'	Autumn Blaze Maple	60mm cal.	W.B.	6.0m o.c.	Yes	--
AR	2	Acer rubrum	Red Maple	60mm cal.	W.B.	As shown	Yes	--
FS	1	Fagus sylvatica f.purpurea	Copper Beech	60mm cal.	W.B.	As Shown	Yes	--
TC	3	Tilia cordata 'Greenspire'	Greenspire Linden	60mm cal.	W.B.	6.0m o.c.	Yes	--
ACS	7	Amelanchier canadensis 'Shrub'	Shrub Serviceberry	80cm	CG#3	1.2m o.c.	--	--
CSE	5	Cornus sericea 'Arctic Fire'	Arctic Fire Dogwood	80cm	CG#3	1.5m o.c.	--	--
EAC	3	Euonymus alatus 'Compacta'	Dwarf Burning Bush	80cm	CG#3	1.5m o.c.	--	--
EEG	5	Euonymus 'Emerald Gaiety'	Emerald Gaiety Euonymus	50cm	CG#3	0.9m o.c.	--	--
FNG	7	Forsythia 'Northern Gold'	Northern Gold Forsythia	80cm	CG#3	1.2m o.c.	--	--
MST	1	Magnolia stellata 'Shrub'	Star Magnolia Shrub	100cm	CG#5	2.0m o.c.	--	--
RSP	10	Rosa 'Snow Pavement'	Snow Pavement Rose	60cm	CG#3	1.2m o.c.	--	--
SJL	9	Spirea 'Little Princess'	Little Princess Spirea	50cm	CG#3	0.8m o.c.	--	--
SBF	27	Spirea bumalda 'Frobelii'	Frobel's Spirea	60cm	CG#3	1.0m o.c.	--	--
SKV	6	Spirea x vanhouttei	Bridalwreath Spirea	80cm	CG#3	1.0m o.c.	--	--

NOTE: SUBSTITUTIONS TO PLANTS AS SPECIFIED ABOVE ARE NOT ACCEPTABLE UNLESS WRITTEN PERMISSION HAS BEEN OBTAINED FOR SPECIES / VARIETY, SIZE, QUANTITY &/OR CONDITION FROM LANDSCAPE ARCHITECTS.

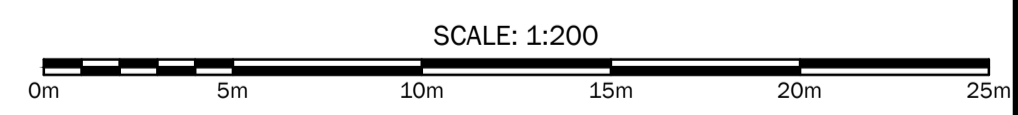


NOTES:  
1. PLAN IS IN METRIC UNITS OF METERS.  
2. THIS IS NOT A LEGAL BOUNDARY SURVEY. BOUNDARIES SHOWN HERE ARE APPROXIMATE, DERIVED FROM PROPERTY ONLINE MAPPING/PLAN OF SURVEY AND FIELD RECONNAISSANCE BY CIVIL ENGINEERING TECHNICIAN. BOUNDARIES ARE SUBJECT TO A LEGAL FIELD SURVEY BY A LICENSED NSLS, AND A LEGAL SURVEY MAY CAUSE OFFSETS AND BOUNDARIES TO DIFFER FROM WHAT IS SHOWN HEREIN.

No.	Date	Revision	Description	Appr'd
1	27/05/2022		ISSUED FOR PERMIT REVIEW	

**Vollick McKee Petersmann ASSOCIATES**  
 LANDSCAPE ARCHITECTURE  
 SITE PLANNING - PROJECT MANAGEMENT  
 3008 Oxford Street, Suite 201, Halifax, Nova Scotia, Canada B3L 2W9  
 Tel: 902-422-6514, Fax: 902-422-6802, info@vollickmckee.com, www.vollickmckee.com

**ABLE**  
 ENGINEERING SERVICES INC  
 5209 ST. MARGARET'S BAY RD., SUITE 201  
 UPPER TANTALLON, NOVA SCOTIA  
 TEL. 902-273-3050 FAX. 902-273-3072  
 civil@ableinc.ca www.ableinc.ca



PLEASANT STREET DEVELOPMENT - 2  
 WOLFVILLE, NS  
 PID# 55542625

PROPOSED LANDSCAPE PLAN

Date	27 MAY 2022	Drawn	AEZ	Project No.	
Scale	AS NOTED	Reviewed	JMK	Plan No.	L101



# PLEASANT STREET

WOLFVILLE, NOVA SCOTIA  
PID 55542633

ISSUED FOR PERMIT 12 06 2021



## ARCHITECTURAL DRAWINGS LIST

- A01 SLAB AND FOOTING PLAN GENERAL NOTES AND SCHEDULES
- A02 PROPOSED FLOOR PLANS AND MILLWORK DETAILS
- A03 EXTERIOR ELEVATIONS
- A04 BUILDING SECTIONS AND DETAILS
- A05 PROPOSED ELECTRICAL LAYOUTS



Insight Design Co  
134 Gerrish Street  
Windsor, Nova Scotia  
p (902) 790 7777  
e insightdesigninfo@gmail.com



**snma**

SNM Architects Limited  
27 DeWolfe Court - Bedford, N.S. B4A 3N7  
t: 902.221.0238 f: 902.832.9890



**GENERAL NOTES**

- ALL ENCLOSED FLOORS ARE ENGINEERED FLOOR SYSTEMS
- ALL ROOF STRUCTURE ARE ENGINEERED TRUSSES
- ALL INTERIOR WALL FINISHES ARE PAINTED DRYWALL
- PAINT COLOR TO BE DETERMINED BY OWNER
- ALL FLOOR FINISHES TO BE DETERMINED BY OWNER
- GRAD LINE COULD CHANGE ACCORDING TO SOIL NATURE
- ALL DIMENSIONS MUST BE VERIFIED ON SITE. DO NOT SCALE OFF DRAWINGS.
- PLANS TAKE PRECEDENCE OVER ELEVATIONS. IN ABSENCE OF DIMENSIONS, OR IF DISCREPANCIES EXIST, CONSULT WITH INSIGHT DESIGN CO. ALL MINIMUM DIMENSIONS ARE TO COMPLY WITH THE NBCC 2015
- SMOKE/AND CO DETECTORS ARE TO BE INSTALLED WITHIN ALL BEDROOMS AND WITHIN 5m OF DOORS TO ALL BEDROOMS, ELSEWHERE AND AS PER THE NBCC 2015
- HRV VENTILATION SYSTEM TO BE INSTALLED PER NBCC 2015, NSBC 2015
- DOOR BETWEEN HOUSE AND GARAGE TO HAVE A SELF-CLOSING DEVICE, BE WEATHER STRIPPED AND A DEADBOLT
- ALL EXTERIOR WALLS TO BE INSULATED TO A MINIMUM R24, WALLS AT HOUSE AND GARAGE TO BE CONSIDERED EXTERIOR
- ALL NEW SLABS AND FROST WALLS TO BE INSULATED WITH MINIMUM R12 5M RIGID FOAM INSULATION TO CONFORM TO 9.36 NBCC 2015
- ALL WINDOWS AND DOORS ARE TO BE FLASHED AS REQUIRED BY NBCC 2015
- ALL CONSTRUCTION TO BE IN CONFORMANCE WITH THE NBCC 2015, NPCC 2010, NSBC 2015

WOOD FRAMING NOTES (UNLESS OTHERWISE SPECIFIED BY APPROVED STRUCTURAL ENGINEER)

- ROOF SHEATHING SHALL BE MIN 1/2" EXTERIOR GRADE PLYWOOD OR OSB
- ALL LUMBER FOR STUD BEARING WALLS, LINTELS AND POSTS SHALL BE NO. 1/2 GRADE SPF UNLESS NOTED OTHERWISE
- ALL EXTERIOR STUD BEARING WALLS SHALL BE 2"x6" AT 16" O.C. WITH 2"x6"

- SHOE AND DOUBLE TOP PLATE UNLESS NOTED
- ALL EXTERIOR SHEATHING SHALL BE MIN. 1/2" EXTERIOR GRADE PLYWOOD OR OSB
  - ALL DIM. LUMBER SHALL COMPLY WITH CSA 0141
  - CUTTING OF HOLES OR REMOVAL OF STRUCTURAL FRAMING FOR INSTALLATION OF PIPING, DUCTWORK, ELECTRICAL, ETC. SHALL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL BY ENGINEER
  - ALL ROOF TRUSSES SHALL BE SPACED NOT MORE THEN 2'-0" O.C. UNLESS NOTED OTHERWISE
  - DESIGN WOOD ROOF TRUSSES FOR THE FOLLOWING SNOW LOAD IN ACCORDANCE WITH PART 3 OF THE NBCC 2015 (A) 39.5 PSF (GROUND SNOW LOAD) AND 12.4 PSF (RAIN LOAD)
  - INCREASE LIVE LOAD DUE TO SNOW DRIFTS IN VALLEYS, AROUND PROJECTIONS
  - DESIGN WOOD TRUSSES FOR THE FOLLOWING DEAD LOADS:
    - MIN. TOTAL DL = 13 PSF
    - TOP CHORD = 8 PSF
    - BOT CHORD = 5 PSF
  - INCREASE TOP CHORD DEAD LOAD TO 12 PSF IN LOCATIONS WHERE JACK TRUSSES ETC. ARE REQUIRED
  - DESIGN WOOD JOISTS OR FLOOR TRUSSES FOR THE FOLLOWING LOADS:
    - DL = 12 PSF
    - LL = 40 PSF

- TRUSS AND WOOD JOIST SHOP DRAWINGS SHALL SHOW ALL STRUCTURAL INFORMATION INCLUDING MEMBER LOADS, MEMBER SIZES, CONNECTION DETAILS, BRACING, PLACEMENT AROUND OPENINGS, ETC. AND MUST BE STAMPED AND SIGNED BY AN ENGINEER REGISTERED TO PRACTICE IN NOVA SCOTIA AND SUBMITTED TO THE CONSULTANT FOR REVIEW PRIOR TO FABRICATION
- SUBMIT DETAILS AND CAPACITIES OF ALL TRUSS CONNECTIONS (HANGERS ETC.) FOR APPROVAL BEFORE TRUSS FABRICATION
- ROOF TRUSS SUPPLIER SHALL PROVIDE TRUSS BEARING SHOES WHERE REQUIRED IF ALLOWABLE STRESS PERPENDICULAR TO GRAIN IS EXCEEDED.

- SUBMIT DETAILS FOR REVIEW
- INSTALL PLYWOOD TO STUD WALLS AND ROOF FRAMING WITH JOINTS STAGGERED AND ENDS BUTTED OVER FRAMING. NAIL PLYWOOD WITH 2" COMMON NAILS AT 16" O.C. ALONG EDGES AND 2" O.C. ON INTERMEDIATE SUPPORTS
  - TRUSSES SHALL BE FASTENED TO PLATES WITH 18 ga. ZINC COATED TECO TRIP-L-GRIP FRAMING ANCHORS AND TYPE AL OR AR, OR APPROVED EQUAL
  - AFTER PREFABRICATED WOOD TRUSSES ARE SET IN PLACE, INSTALL 2" THICK CONTINUOUS BLOCKING BETWEEN TRUSSES AT BEARING WALLS
  - ENGINEERED WOOD TO HAVE THE FOLLOWING MINIMUM PROPERTIES
    - BENDING STRESS = 4,805 PSI
    - SHEAR STRESS = 530 PSI
    - MODULUS OF ELASTICITY = 1,900,000 PSI
  - MAXIMUM LIVE LOAD DEFLECTION FOR TRUSSES AND ENGINEERED WOOD TO BE L/360. FOR FLOORS WITH CONCRETE TOPPING, MAX. TOTAL DEFLECTION TO BE L/660
  - PROVIDE BLOCKING IN WALL ASSEMBLIES THAT ENCLOSE BATHROOMS IN DWELLING UNITS TO ACCOMMODATE INSTALL OF GRAB BARS FOR WHEEL CHAIR, BATHTUB AND SHOWER AS PER CURRENT (ADAPTABLE HOUSING NOVA SCOTIA BUILDING CODE REQUIREMENTS.

REINFORCED CONCRETE NOTES (UNLESS OTHERWISE SPECIFIED BY APPROVED STRUCTURAL ENGINEER)

- ALL CONCRETE, CONCRETE MATERIAL, FORMS, PRACTICE ETC. SHALL CONFORM TO CSA-A23.1:01 UNLESS NOTED OTHERWISE
- MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 3500 PSI UNLESS NOTED OTHERWISE
- CONCRETE FOR ANY GARAGE SLABS TO BE MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI
- ICF IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND BY CERTIFIED INSTALLER

- USE 3/4" MAX. AGGREGATE SIZE THROUGHOUT. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 8% MAXIMUM SLUMP TO BE 3"
- CONCRETE PROTECTIVE COVER FOR REINFORCED STEEL SHALL BE AS FOLLOWS, (UNLESS NOTED OTHERWISE ON DWGS.)
  - (A) CAST AGAINST FILL - NO FORMWORKS - 3"
  - (B) EXPOSED TO EARTH OR WEATHER - 20M AND SMALLER - 1 1/2"
  - (C) WALLS AND SLAB, PROTECTED - 3/4"
- THE CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION DURING THE PLACEMENT OF CONCRETE TO ENSURE STEEL IS MAINTAINED IN ITS CORRECT POSITION
- CONSTRUCTION JOINTS SHALL BE LOCATED SO AS TO LEAST IMPAIR THE STRENGTH OF THE CONSTRUCTION AND TO THE ENGINEER'S APPROVAL
- CONSTRUCTION JOINTS SHALL BE KEVED AND 15M DOWELS x 3'-0" LONG AT 24" O.C. SHALL BE ADDED, REINFORCING SHALL NOT BE INTERRUPTED.
- FORMWORK MUST NOT BE REMOVED UNTIL CONCRETE HAS ATTAINED SUFFICIENT STRENGTH TO SUSTAIN ALL LOADING.
- ALL REINFORCED STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 400MPa AND SHALL CONFORM TO CSA G30.18-M92
- ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED, PLACED AND SUPPORTED IN ACCORDANCE WITH "REINFORCING STEEL MANUAL OF STANDARD PRACTICE" BY THE REINFORCING STEEL INSTITUTE OF CANADA, FIRST EDITION 1992
- ALL WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO CSA G30.3-M1983 AND CSA G30.5-M1983
- ALL REINFORCED STEEL SHALL BE LAPPED A MINIMUM OF 30 BAR DIAMETERS, UNLESS NOTED OTHERWISE
- TO REDUCE RANDOM SLAB CRACKING, CONTROL JOINTS ARE RECOMMENDED AT A SPACING OF 10'-0" O.C. FOR 4" SLABS. CONTROL JOINTS TO BE CUT TO A DEPTH OF 1"

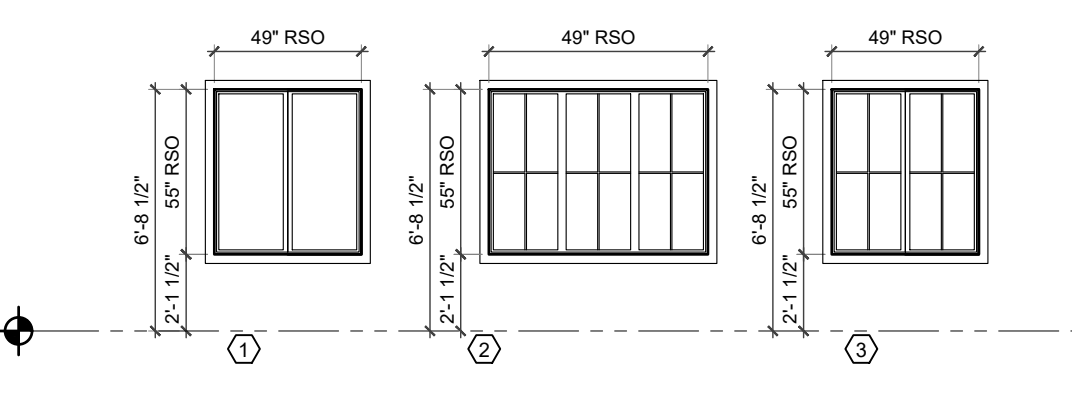
ROOF TYPE SCHEDULE	
TYPE	MATERIALS
RT 1	<b>ROOF ASSEMBLY</b> -25 yr ASPHALT SHINGLES AS SELECTED BY OWNER -#15 BUILDING PAPER -ICE AND WATER SHIELD TO A MIN. OF 2'-6" BEYOND FACE OF EXTERIOR WALL -GALVANIZED STARTER STRIP -15/32 SUPERROOF OSB C/W H-CLIPS -PRE ENGINEERED WOOD ROOF SYSTEM 6:12 PITCH -R 60 BATT INSULATION -36" AIR BAFFLE IN TRUSS BAYS -6 mil POLY VAPOUR BARRIER -1"X4" STRAPPING AT 16" O.C. -1 LAYER 1/2" GYPSUM BOARD, TAPED, SANDED, PRIMED AND PAINTED
RT 2	<b>ROOF ASSEMBLY</b> -25 yr ASPHALT SHINGLES AS SELECTED BY OWNER -#15 BUILDING PAPER -ICE AND WATER SHIELD TO COVER -GALVANIZED STARTER STRIP -15/32 SUPERROOF OSB C/W H-CLIPS -PRE ENGINEERED WOOD ROOF SYSTEM 9:12 PITCH -1"X4" STRAPPING AT 16" O.C. -PERFORATED SOFFIT

WALL TYPE SCHEDULE	
TYPE	MATERIALS
WT 1	<b>TYP. EXTERIOR WALL</b> -SIDING TBD -AIR BARRIER -7/16" OSB SHEATHING -2" x 6" STUDS AT 16" O.C. -6" F.B. INSULATION (R-24) -6 mil POLY VAPOUR BARRIER (APPROVED) -1/2" GYPSUM BOARD, TAPED, SANDED, AND PAINTED
WT 2	<b>TYP. INTERIOR LOAD BEARING WALL</b> -FINISH AS SELECTED -2"X6" WOOD STUD AT 16" O.C. -1 LAYERS 1/2" TYPE X GYPSUM BOARD, BOTH SIDES, TAPED, SANDED, PRIMED AND PAINTED
WT 3	<b>1 HOUR LOAD BEARING RATED DEMISING WALL ASSEMBLY (W/50'-310'00')</b> -TWO ROWS 2"x4" WOOD STUDS, EACH SPACED 16" O.C. ON SEPARATE 2"x4" PLATES SET 1" APART -3 1/2" THICK ABSORPTIVE MATERIAL AS REQUIRED TO ACHIEVE SOUND RATING -2 LAYERS 1/2" TYPE X GYPSUM BOARD ON BOTH SIDES, TAPED, SANDED, PRIMED AND PAINTED
PT 1	<b>TYP. INTERIOR PARTITION</b> -1/2" GYPSUM WALL BOARD FINISH AS SELECTED -2"X4" WOOD STUD AT 16" O.C. -1/2" GYPSUM WALL BOARD FINISH AS SELECTED
PT 2	<b>TYP. PLUMBING PARTITION</b> -1/2" GYPSUM WALL BOARD FINISH AS SELECTED -2" x 6" STUDS AT 16" O.C. BLOCKED AT MID HEIGHT -1/2" GYPSUM WALL BOARD FINISH AS SELECTED

NOTE:  
 -ALL INTERIOR PARTITIONS NOT TAGGED ARE TO BE PT 1  
 -MOISTURE RESISTANT DRYWALL IN ALL WASHROOMS  
 -ALL DIMENSIONS ARE TO THE FACE OF EXTERIOR FRAMING/STRUCTURE AND TO THE CENTER OF INTERIOR PARTITIONS UNLESS OTHERWISE NOTED

FLOOR TYPE SCHEDULE	
TYPE	MATERIALS
FT 1	<b>FLOOR ASSEMBLY</b> -FINISH FLOOR AS SELECTED BY OWNER -1/4" LULAY PLYWOOD AT VINYL / CERAMIC FLOOR FINISHES -3/4" TONGUE AND GROOVE OSB SHEATHING NAILED, GLUED AND SCREWED -PRE ENGINEERED WOOD FLOOR JOIST SYSTEM (ASSUMING 11 7/8" TJI GC TO COORDINATED) -1"X4" STRAPPING AT 16" O.C. -1 LAYER 1/2" GYPSUM BOARD, TAPED, SANDED, PRIMED AND PAINTED
FT 2	<b>SLAB ASSEMBLY</b> -FINISH FLOOR AS SELECTED BY OWNER -4" CONCRETE SLAB, MACHINE TROWELLED c/w 6w6 -10-10 WWM -10 mil POLY VAPOUR BARRIER -2 1/2" SM RIGID INSULATION (R12) AT 48" PERIMETER -3" CRUSHED STONE

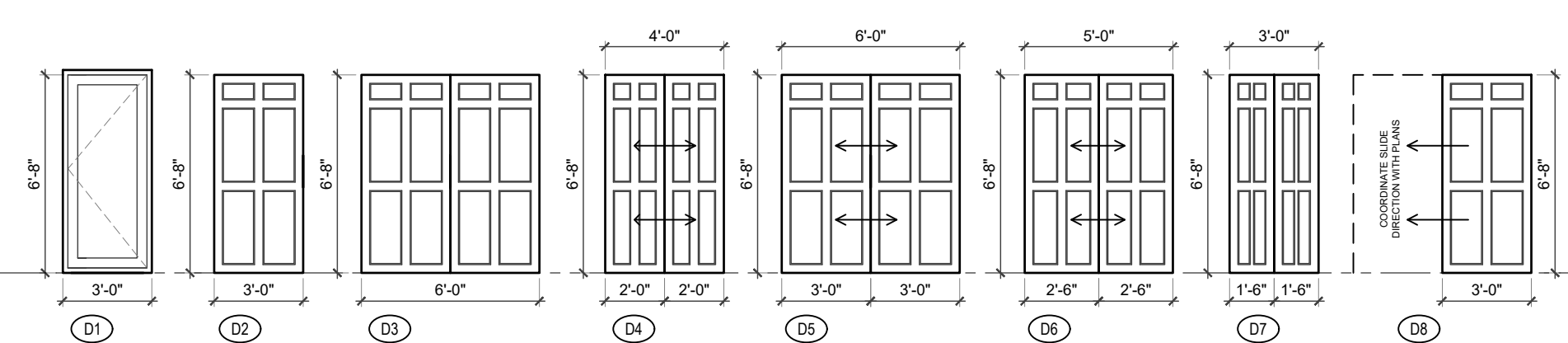
**WINDOW SCHEDULE**



TAG	NO.	FRAME WIDTH	FRAME HEIGHT	SILL HEIGHT	DESCRIPTION
①	10	4'-1" RSO	4'-7" RSO	2'-1 1/2"	CASEMENT
②	2	6'-1" RSO	4'-7" RSO	2'-1 1/2"	CASEMENT
③	2	4'-1" RSO	4'-7" RSO	2'-1 1/2"	CASEMENT

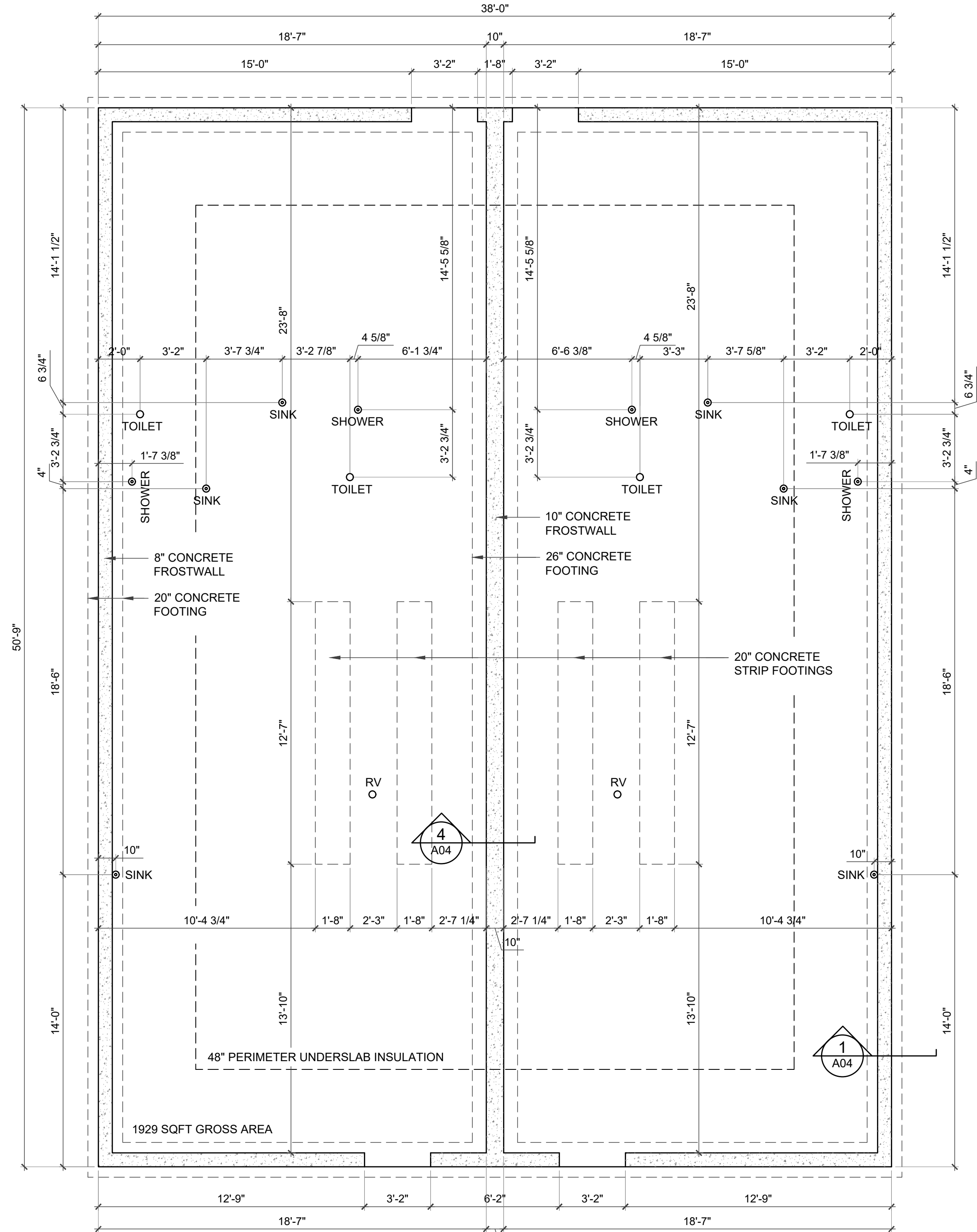
STYLE AND MANUFACTURER TO BE DETERMINED BY OWNER  
 -ALL BEDROOM TO HAVE MIN. ONE WINDOW TO MEET NBCC EGRESS REQUIREMENTS. WHEN FULLY OPEN, THE OPEN AREA SHALL HAVE NEITHER THE WIDTH OR HEIGHT LESS THAN 15", AND THE OPEN AREA SHALL NOT BE LESS THAN 542 SQUARE INCHES

**DOOR SCHEDULE**



TAG	NO.	WIDTH	HEIGHT	SWING	DESCRIPTION
①	4	3'-0"	6'-8"	2LHR, 2 RHR	EXTERIOR INSULATED DOOR
②	14	3'-0"	6'-8"	6RH, 6 LH, 1 RHR, 1 LHR	INTERIOR SLAB DOOR, 36" PASSAGE DOORS
③	2	6'-0"	6'-8"	2 LHR/RHR	DBL. INTERIOR SLAB DOOR, LAUNDRY CLOSET
④	6	4'-0"	6'-8"	SLIDER DOOR	FRONT ENTRY AND BEDROOM CLOSET
⑤	2	6'-0"	6'-8"	SLIDER DOOR	BEDROOM CLOSET
⑥	2	5'-0"	6'-8"	SLIDER DOOR	BEDROOM CLOSET
⑦	4	3'-0"	6'-8"	SLIDER DOOR	BEDROOM CLOSET
⑧	12	3'-0"	6'-8"	SLIDER DOOR	POCKET DOOR

STYLE AND MANUFACTURER TO BE DETERMINED BY OWNER  
 -ALL EXTERIOR DOORS INSULATED STEEL WITH INTEGRAL FRAME MIN. 36"  
 -ALL INTERIOR DOORS HOLLOW CORE WOOD WITH KNOCKDOWN FRAME. ALL PASSAGE DOORS TO BE MINIMUM 36"  
 -ALL DOORS TO BE INSTALLED 4" FROM CORNER, HINGE SIDE, UNLESS NOTED OTHERWISE



**NOTES:**  
 4" NOTCH IN TOP OF FOUNDATION WALL AT ALL DOOR OPENINGS. SLAB TO BE CONTINUOUS OVER FOUNDATION WALL  
 PLUMBING LOCATIONS ARE ROUGHLY LOCATED AND MUST BE CONFIRMED ONSITE UPON PLUMBING FIXTURE SELECTION  
 REFER AND COORDINATE WITH SITE AND CIVIL PLAN

**SLAB AND FOOTING PLAN**  
 1/4" = 1'-0"

**TWO UNIT BUILDING**

152 PLEASANT STREET  
 NOVA SCOTIA  
 NSC 5S4B3D3

**Insight Design Co.**

34 Gush Street  
 Windsor, Nova Scotia  
 NSC 5S4B3D3  
 (902) 755-7777  
 insightdesignco.com

**snma**

THE ASSOCIATION OF REGISTERED PROFESSIONAL ENGINEERS AND ARCHITECTS OF NOVA SCOTIA

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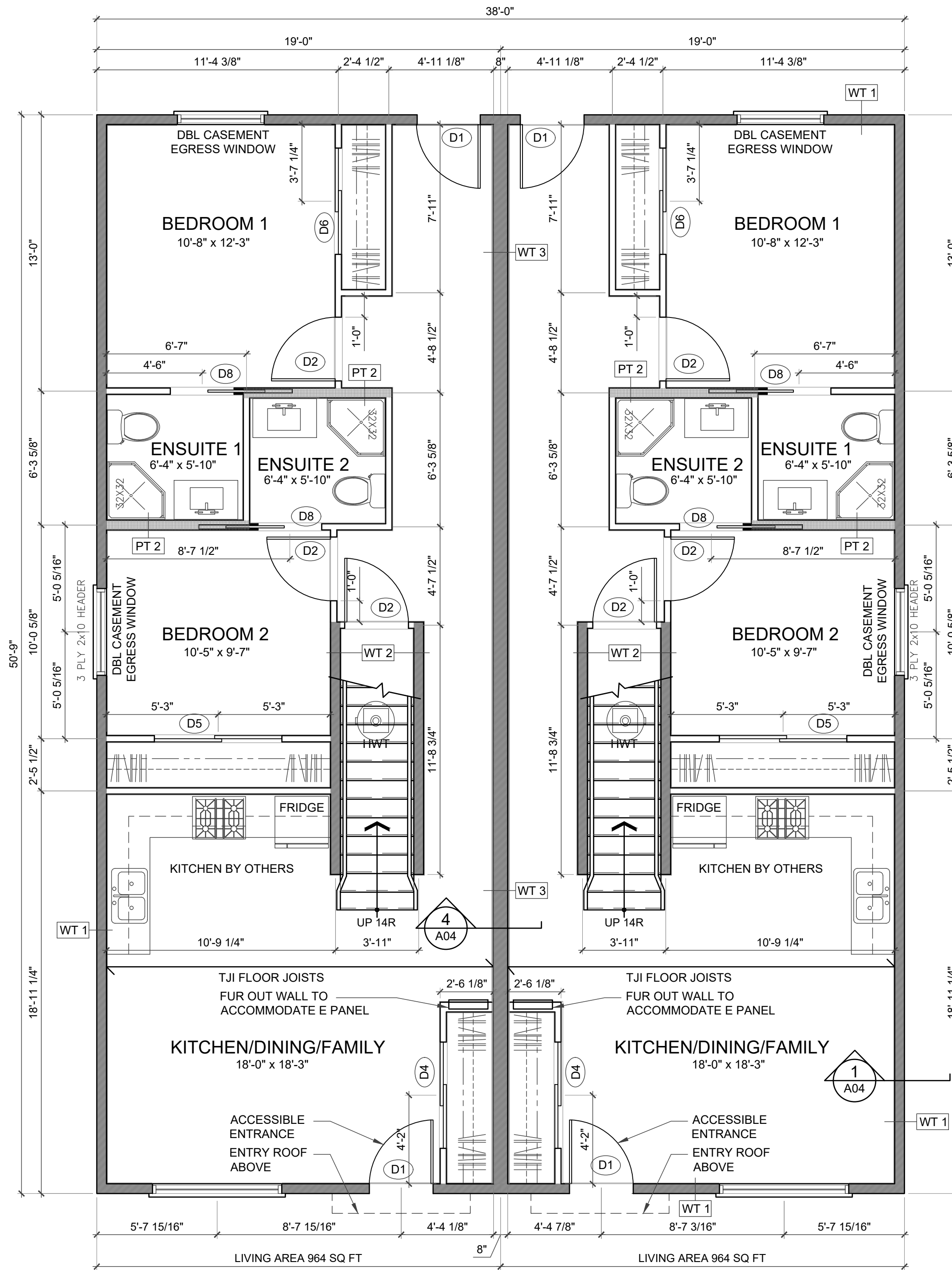
**LEGEND**

Ⓛ	DOOR TAG
Ⓧ	WINDOW TAG
WT 3	WALL TAG
FD	FLOOR DRAIN
RV	RADON VENT
Ⓢ	ELEVATION TAG
SM	SMOKE/ CO SENSOR



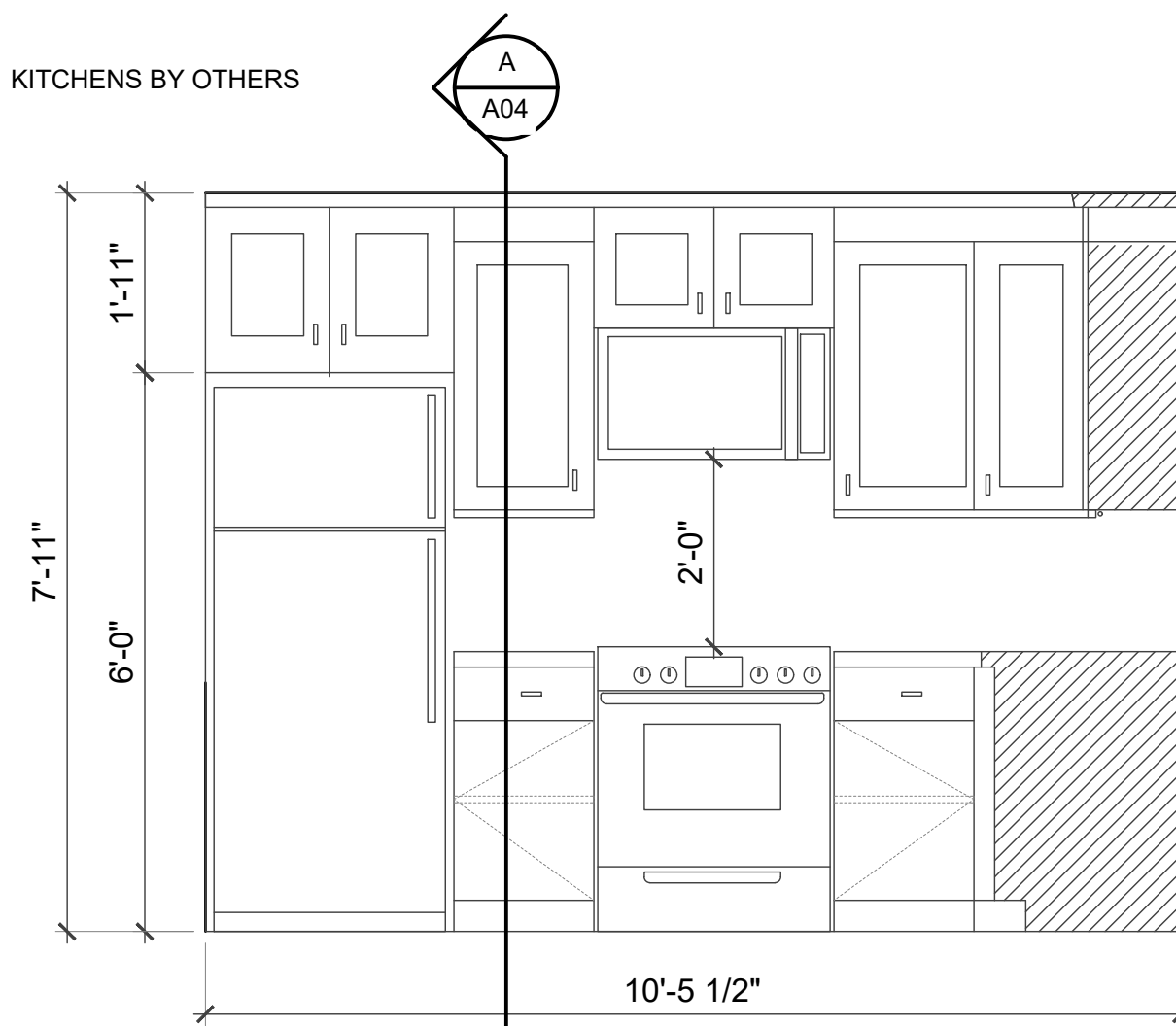
ISSUED FOR PERMIT	12062021
<b>ISSUE</b>	<b>DATE</b>
<b>SLAB AND FOOTING PLAN</b>	
<b>GENERAL NOTES AND SCHEDULES</b>	
DATE: <b>AS NOTED</b> 11232021 DRAWN: <b>ENKD</b> CHECKED: <b>SNMA</b>	A01



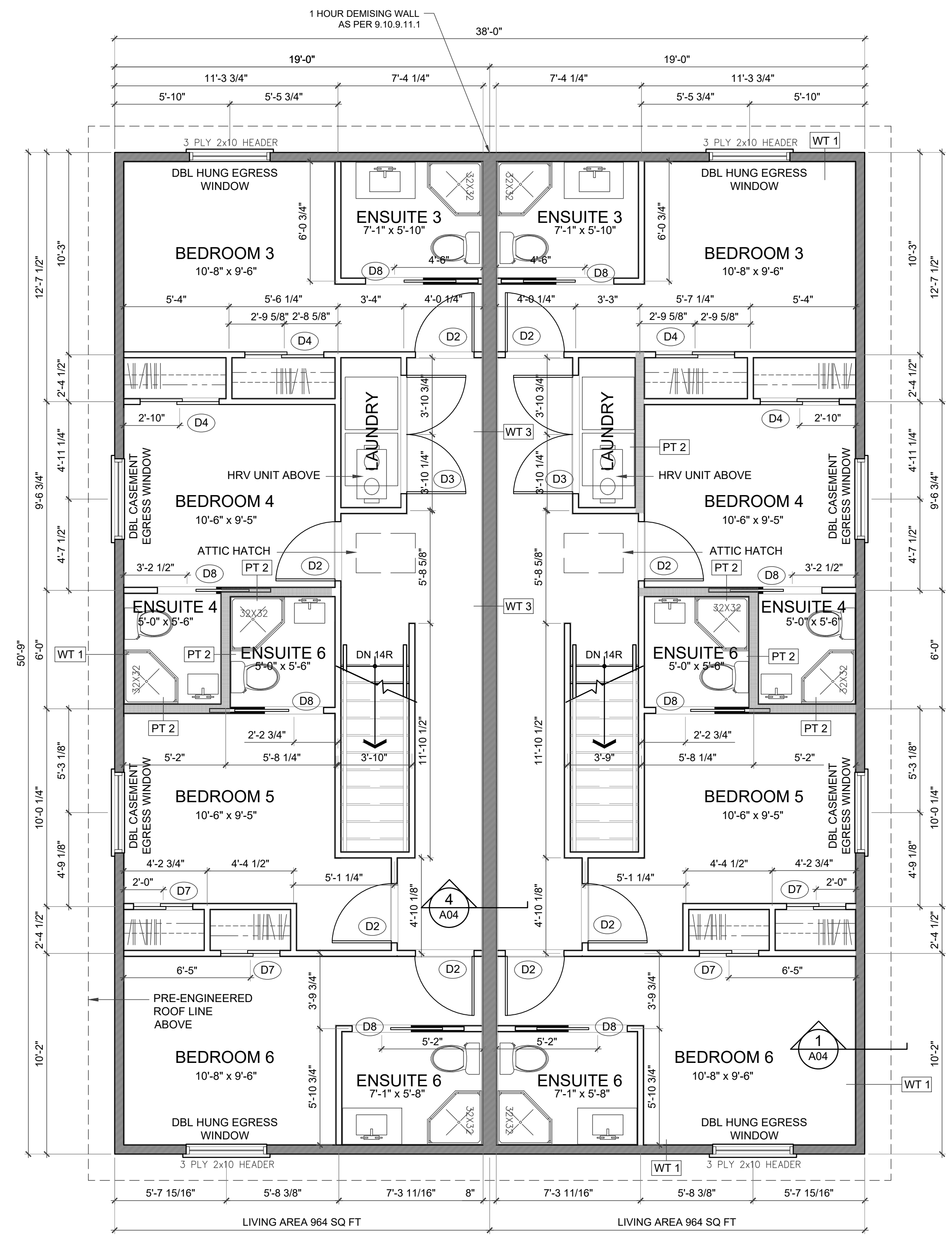
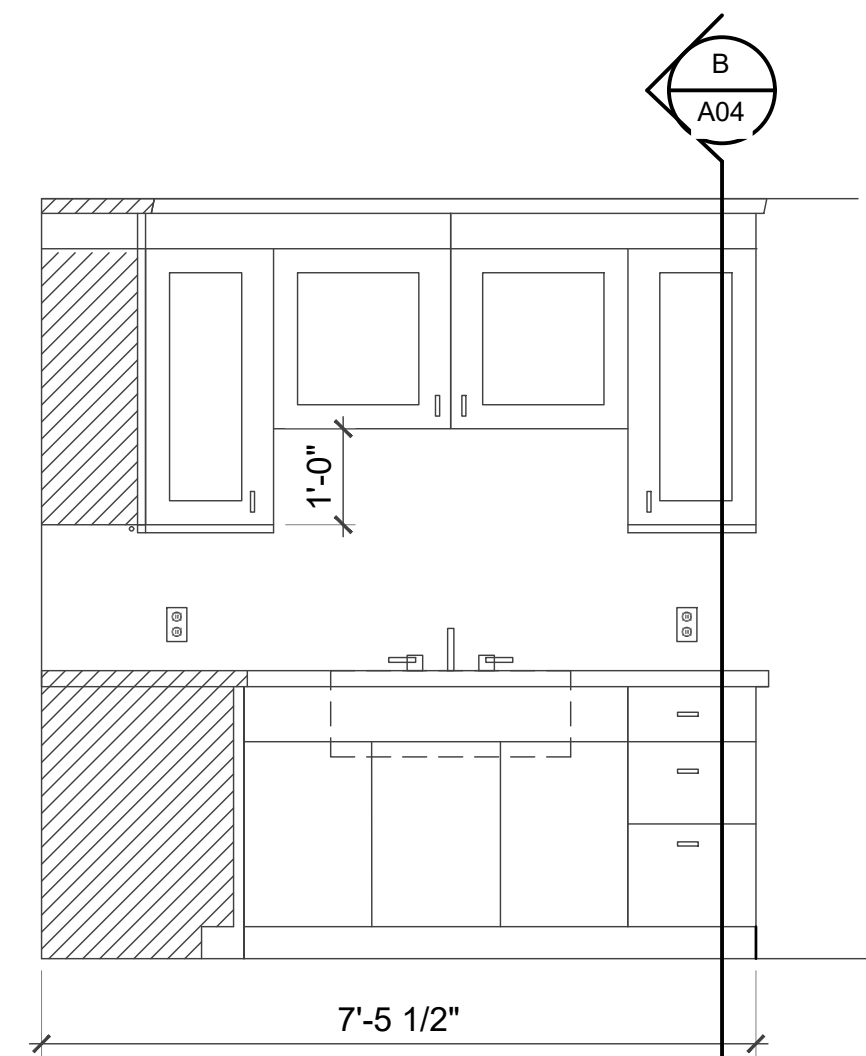


**MAIN LEVEL FLOOR PLAN**  
1/4" = 1'-0"

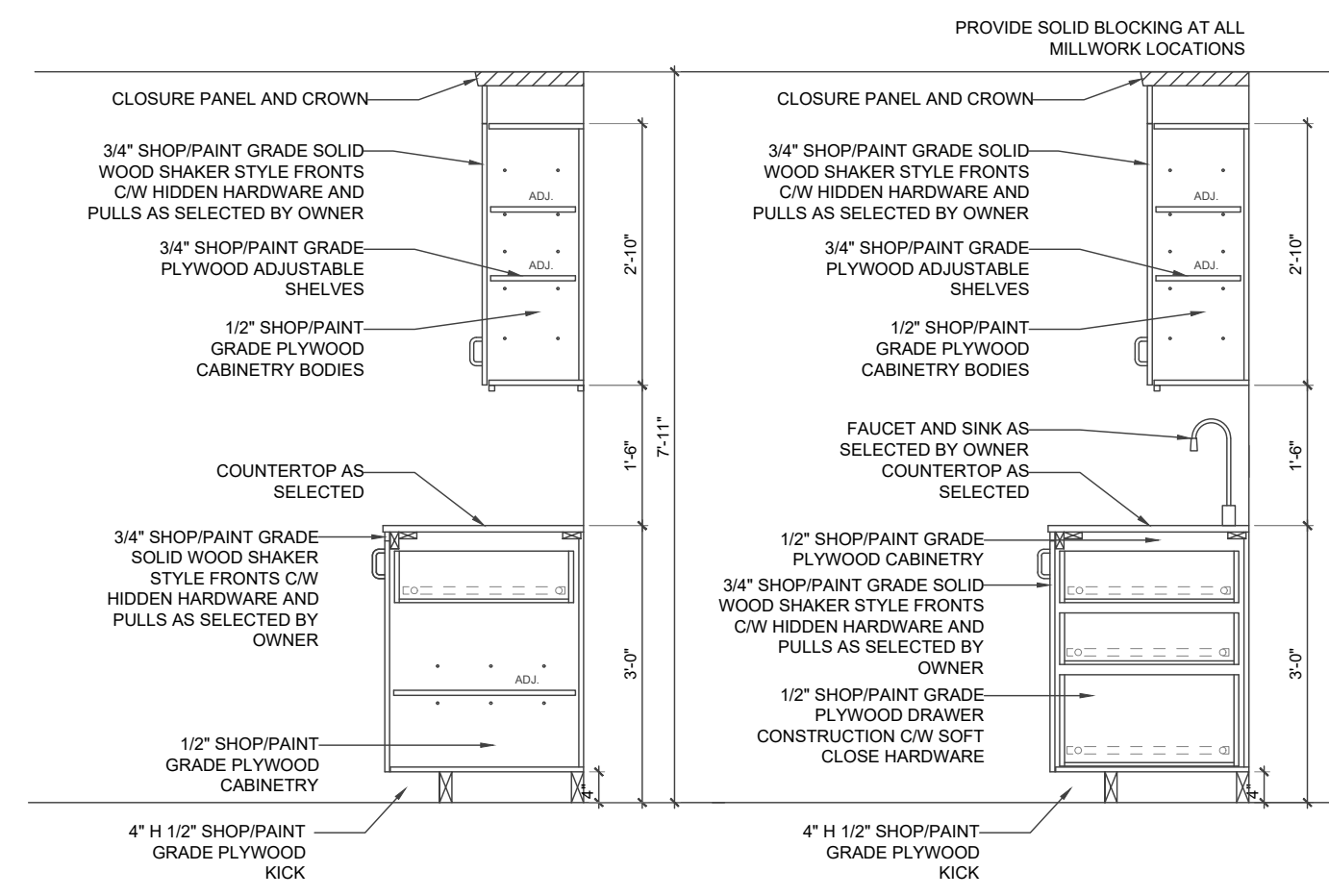
KITCHENS BY OTHERS



**MILLWORK ELEVATIONS**  
3/8" = 1'-0"



**SECOND LEVEL FLOOR PLAN**  
1/4" = 1'-0"



**MILLWORK DETAILS**  
1/2" = 1'-0"

**TWO UNIT BUILDING**

182 PLEASANT STREET  
WOODVILLE  
NOVA SCOTIA  
P1B 5G4B3D3

**Inight DesignCo**

**INSIGHT**  
DESIGN CO.

34 GURTH STREET  
WOODVILLE  
NOVA SCOTIA  
P1B 5G4B3D3  
902-755-7777  
+ insightdesignco.com

**sama**

1845 ANNECOTT LANE  
DARTMOUTH NS  
NOVA SCOTIA  
P5B 3W3  
902-231-6667

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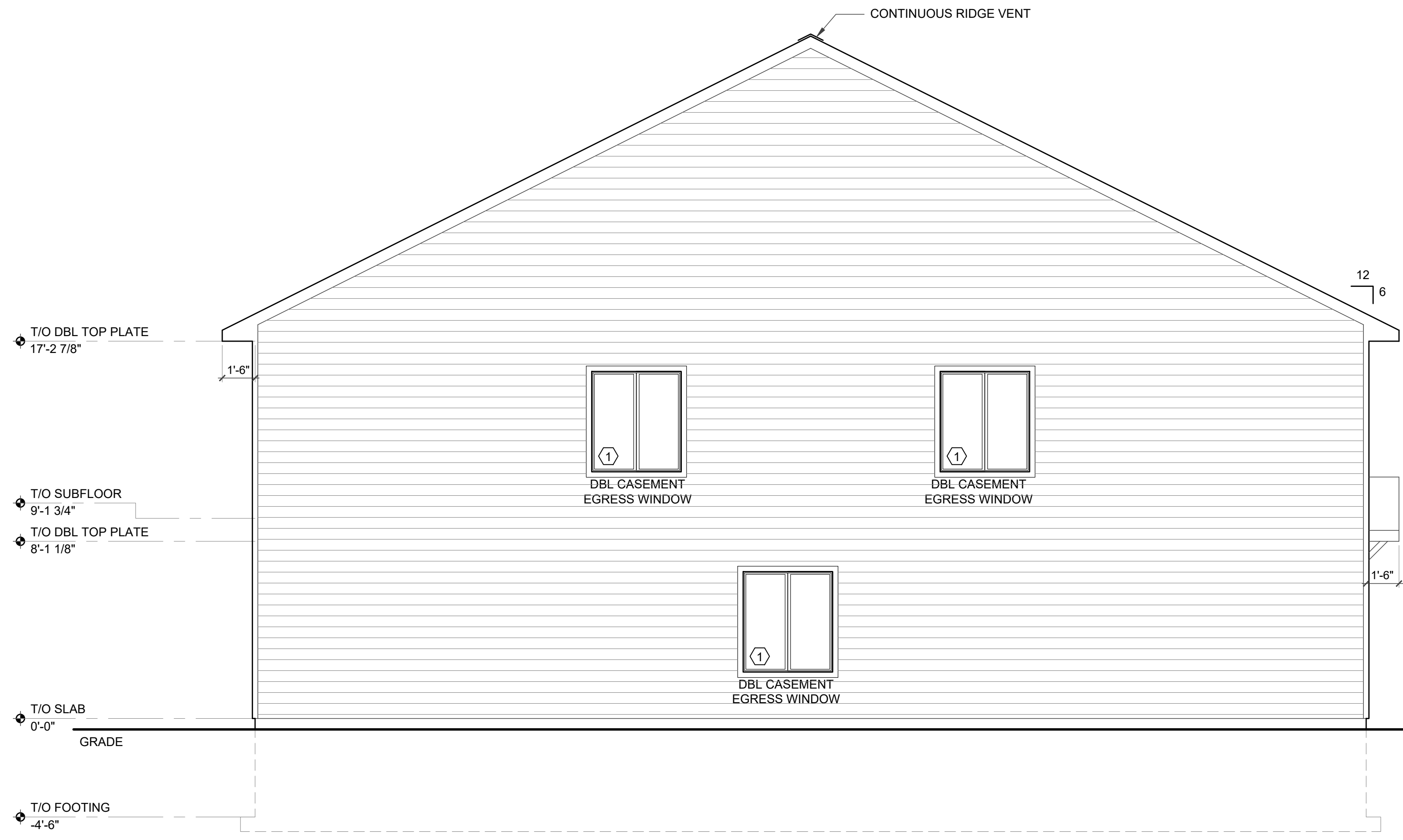
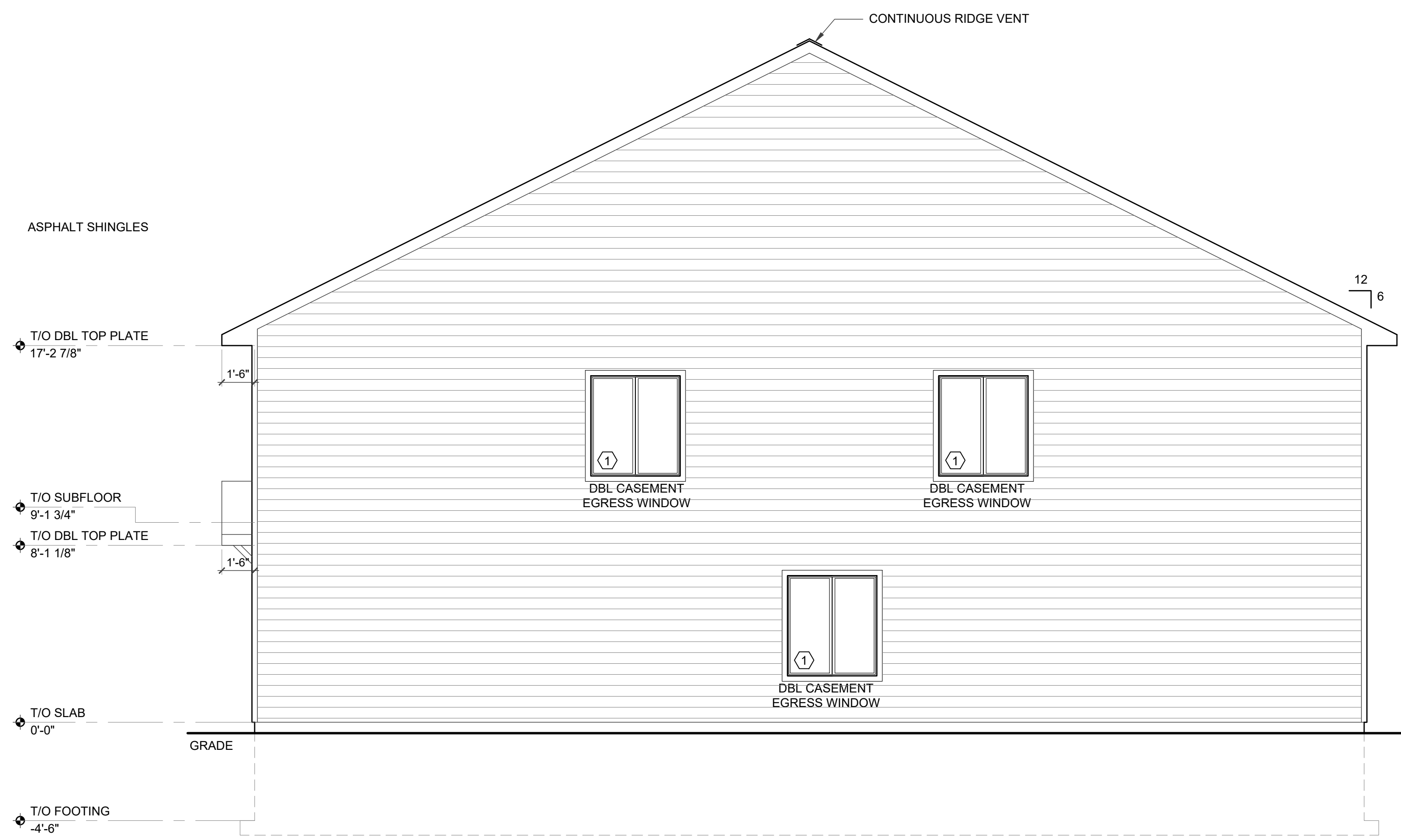
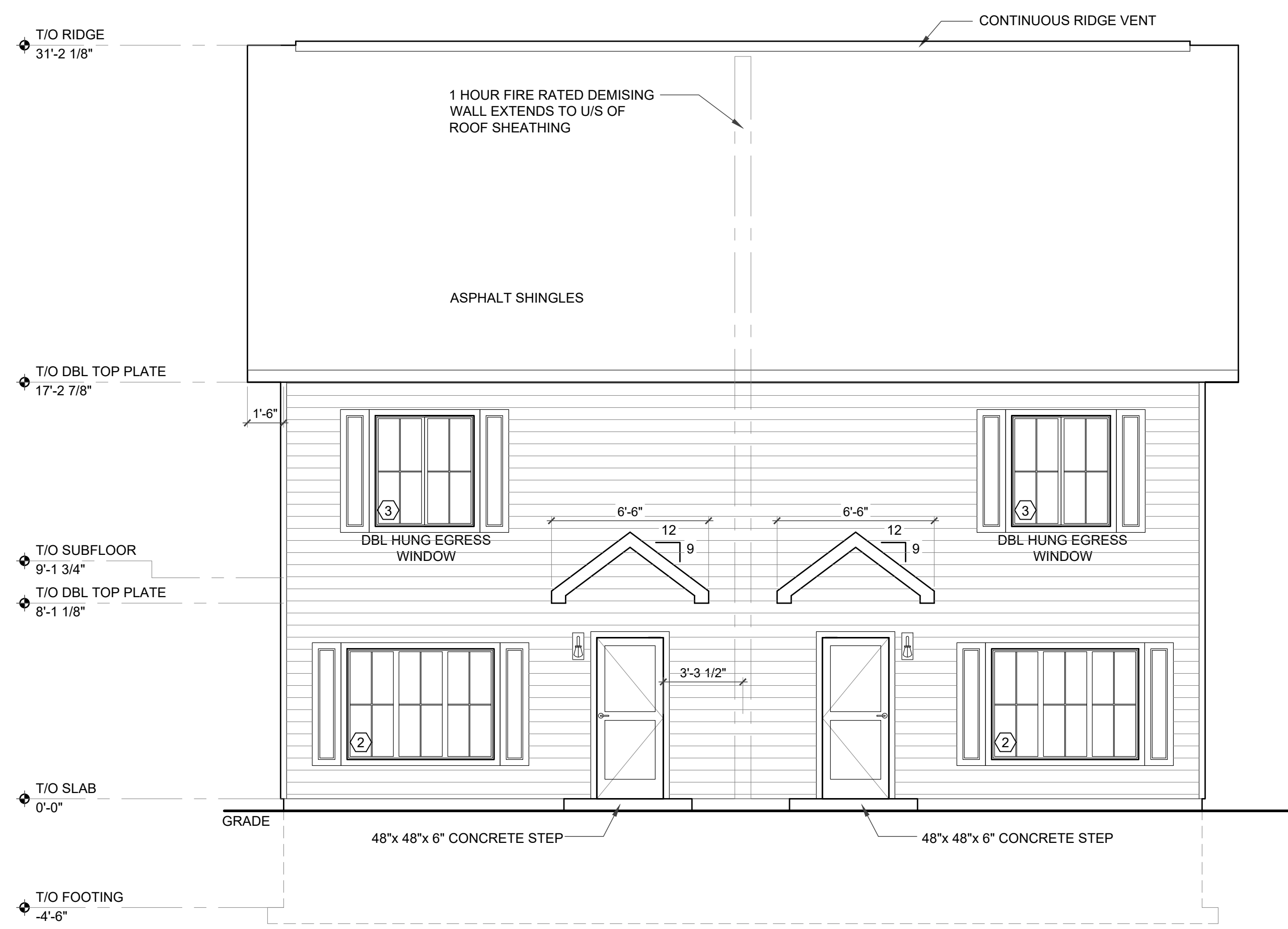
**LEGEND**

- D1 DOOR TAG
- W TAG WINDOW TAG
- WT 3 WALL TAG
- FLOOR DRAIN
- RADON VENT
- ELEVATION TAG
- SMOKE/ CO SENSOR



ISSUED FOR PERMIT		12062021
ISSUE	DATE	
<b>PROPOSED FLOORPLANS AND MILLWORK AND DETAILS</b>		
DATE: AS NOTED		
DATE: 11232021		
DATE: EKD		<b>A02</b>
DATE: SNMA		





**TWO UNIT BUILDING**

182 PLEASANT STREET  
WOLFVILLE  
NOVA SCOTIA  
P10 5S4B3D3

**Insight DesignCo**

34 Gertsen Street  
Wolfville, Nova Scotia  
P10 5S4B3D3  
(902) 795 7777  
insightdesignco.com

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**LEGEND**

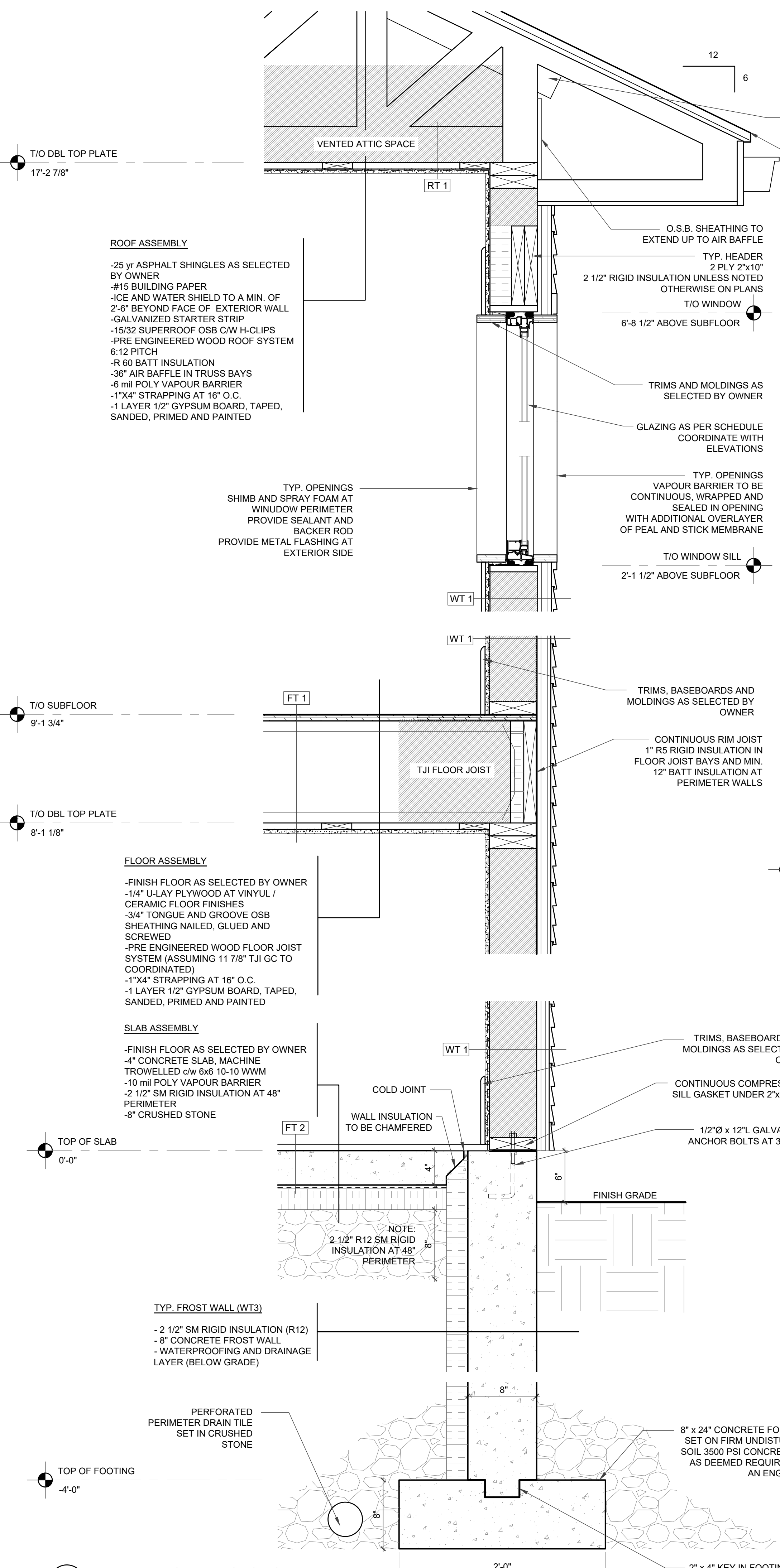
	DOOR TAG
	WINDOW TAG
	WALL TAG
	FLOOR DRAIN
	RADON VENT
	ELEVATION TAG
	SMOKE/ CO SENSOR

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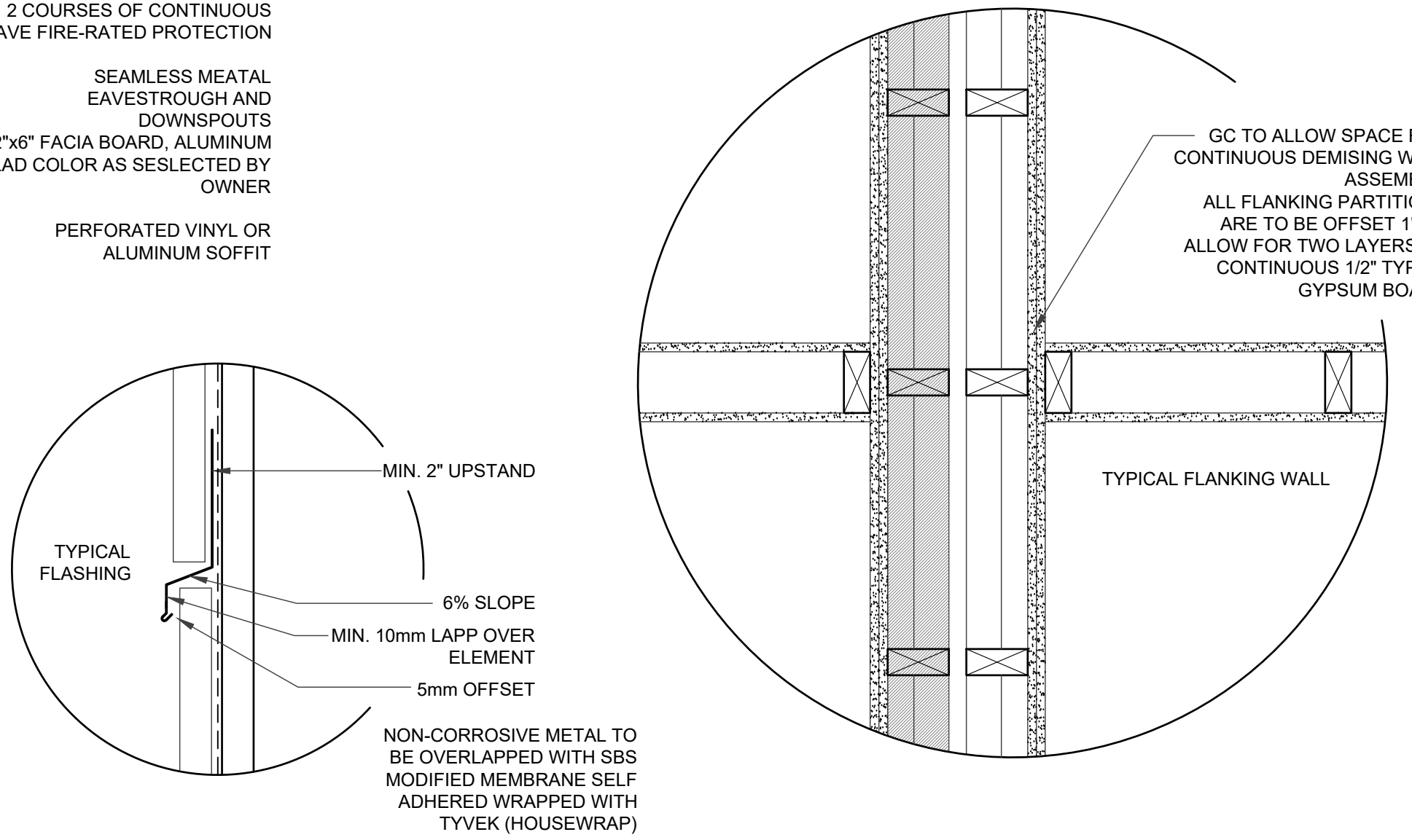
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ISSUED FOR PERMIT	12062021
<b>ISSUE</b>	<b>DATE</b>
<b>EXTERIOR ELEVATIONS</b>	
SCALE: <b>AS NOTED</b>	A03
DATE: <b>11232021</b>	
DESIGNER: <b>EKD</b>	
DRAWN: <b>SNMA</b>	

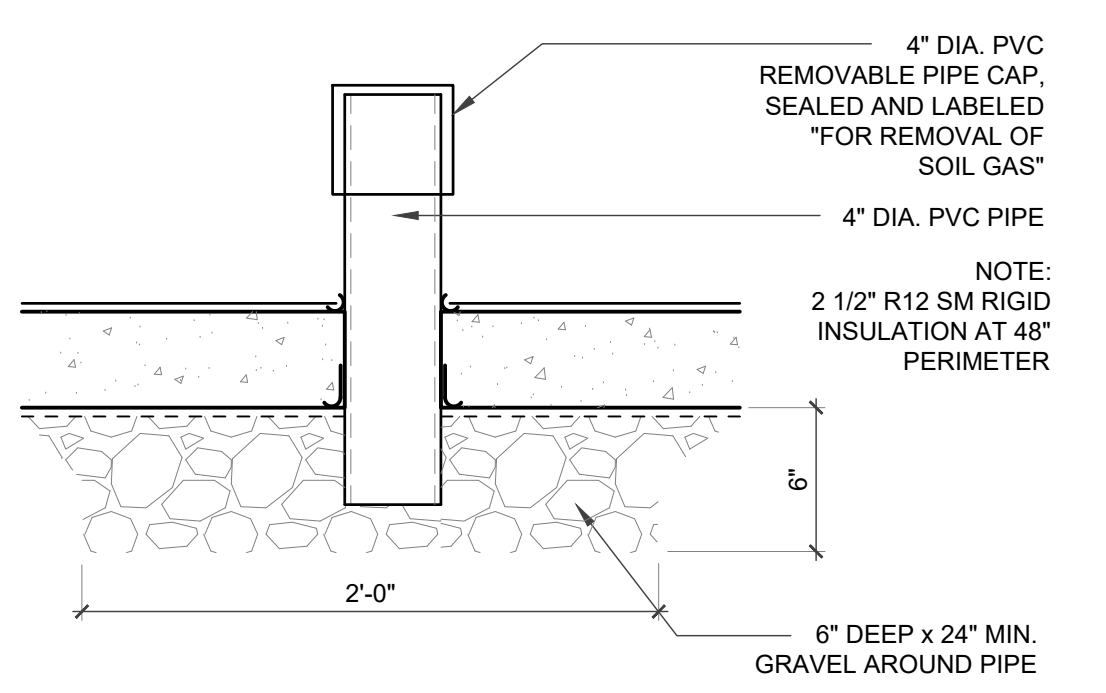




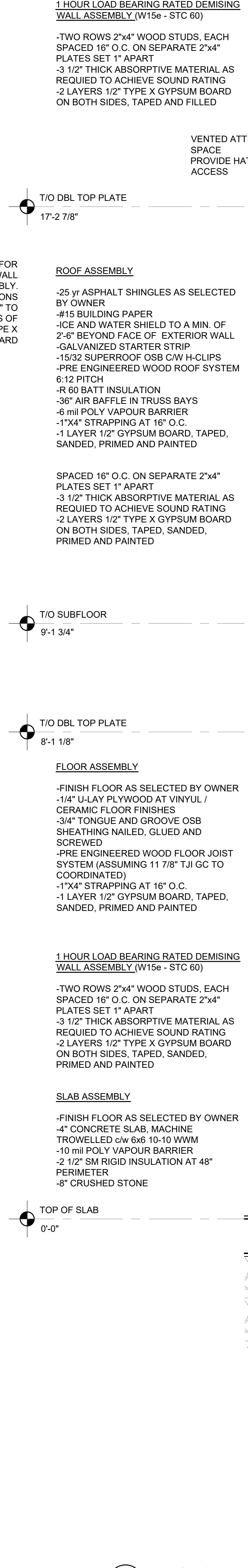
1 TYP. EXTERIOR WALL SECTION  
A04 1 1/2" = 1'-0"



2 TYP. INTERIOR STRIP FOOTING DETAIL  
A04 1 1/2" = 1'-0"



3 SOILGAS ROUGH-IN DETAIL  
A04 1 1/2" = 1'-0"



4 DEMISING WALL SECTION  
A04 1 1/2" = 1'-0"

**TWO UNIT BUILDING**  
182 PLEASANT STREET WOLFVILLE NOVA SCOTIA P10 5S6A8303

**Insight DesignCo**  
INSIGHT DESIGN CO. 34 GURTON STREET WOLFVILLE NOVA SCOTIA P10 5S6A8303 (902) 755 7777 insightdesignco.com

**snma**  
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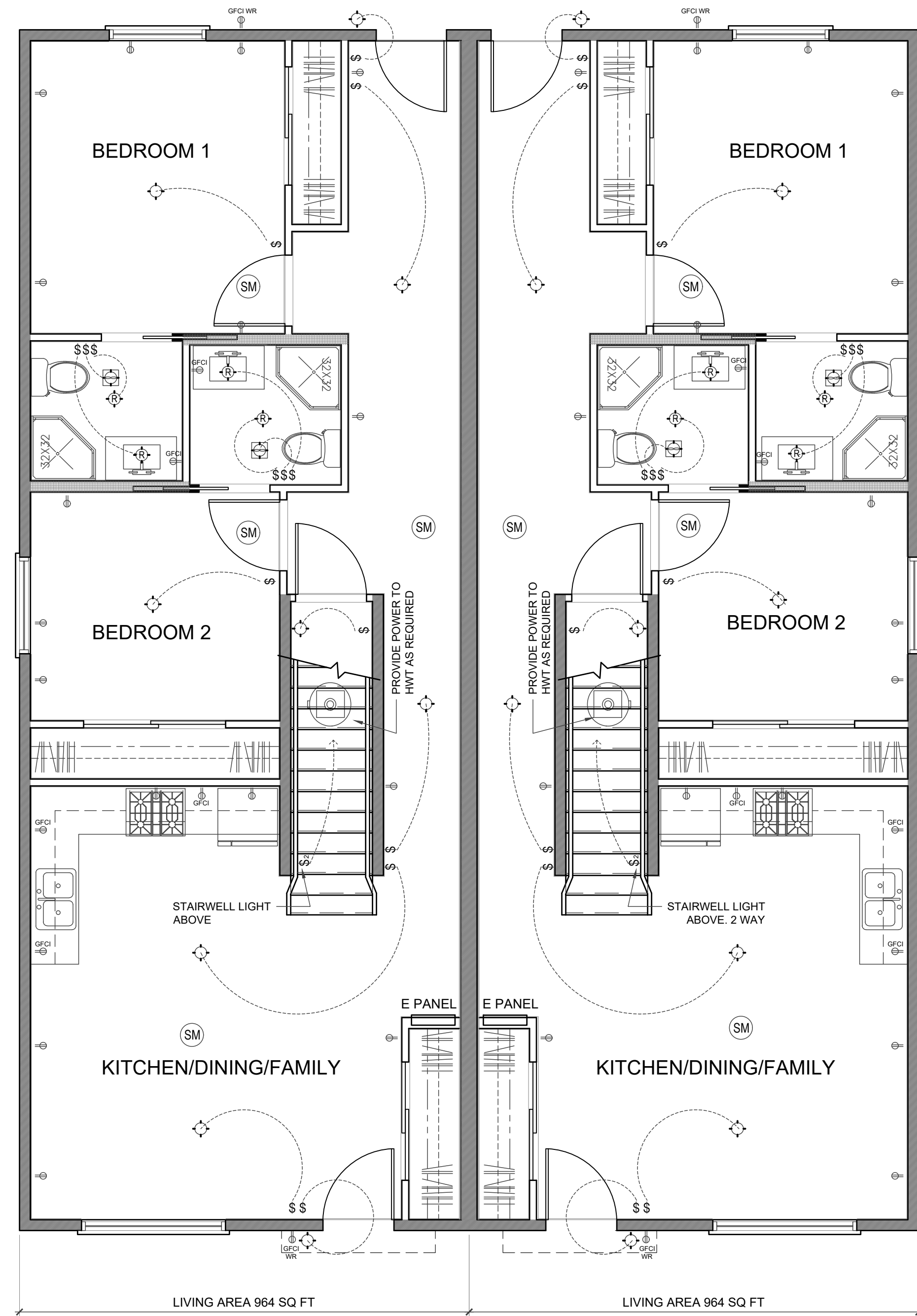
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LEGEND	
(DT)	DOOR TAG
(WT)	WINDOW TAG
(WT 3)	WALL TAG
(FD)	FLOOR DRAIN
(RV)	RADON VENT
(E)	ELEVATION TAG
(SM)	SMOKE/ CO SENSOR

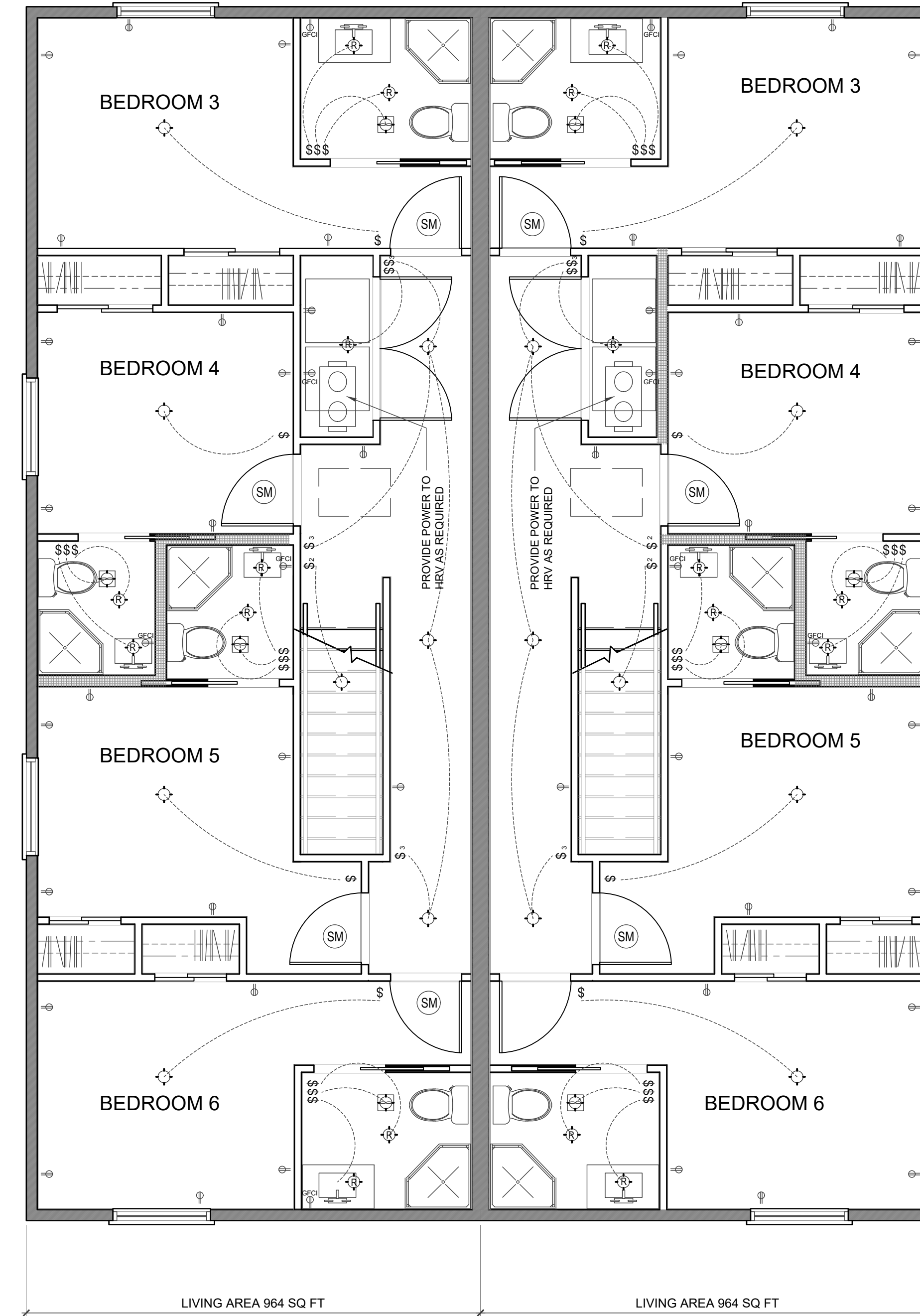
ISSUED FOR PERMIT	12062021
<b>ISSUE</b>	<b>DATE</b>
<b>BUILDING SECTIONS AND DETAILS</b>	
DATE: <b>AS NOTED</b>	<b>A04</b>
DATE: <b>11232021</b>	
DATE: <b>EKD</b>	
DATE: <b>SNMA</b>	





**MAIN LEVEL ELECTRICAL PLAN**  
1/4" = 1'-0"

ELECTRICAL LEGEND	
◆	SURFACE MOUNT FIXTURE
◻	RECESSED FIXTURE
SM	SMOKE/ CO SENSOR
□	ELECTRICAL RECEPTACLE
⊖	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
⊖	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE WEATHER RESISTANT
⊖	220V RECEPTACLE
S	SINGLE SWITCH
S₂	2 WAY SWITCH
S₃	3 WAY SWITCH



**SECOND LEVEL ELECTRICAL PLAN**  
1/4" = 1'-0"

**TWO UNIT BUILDING**  
182 PLEASANT STREET  
WOLFVILLE  
NOVA SCOTIA  
P10 5S6A3D33

**Insight DesignCo**  
34 Gertsen Street  
Wolfville, Nova Scotia  
P10 5S6A3D33  
(902) 795 7777  
insightdesignco.com

**sama**  
STEPHANIE MORRIS ARCHITECTURE  
1000 UNIVERSITY AVENUE  
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902.795.7777

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<b>ISSUE</b>	<b>DATE</b>
<b>PROPOSED ELECTRICAL LAYOUTS</b>	
SCALE: <b>AS NOTED</b>	<b>A05</b>
DATE: <b>11232021</b>	
DESIGNER: <b>EKD</b>	
CHECKED: <b>SNMA</b>	