

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	ST-ST
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	---
---	SWALE FLOW	---
346	CONTOUR LINES	346
GAS-GAS	GAS LINE	GAS-GAS
⊕	TREE	⊕
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	SILT FENCE	SF-SF

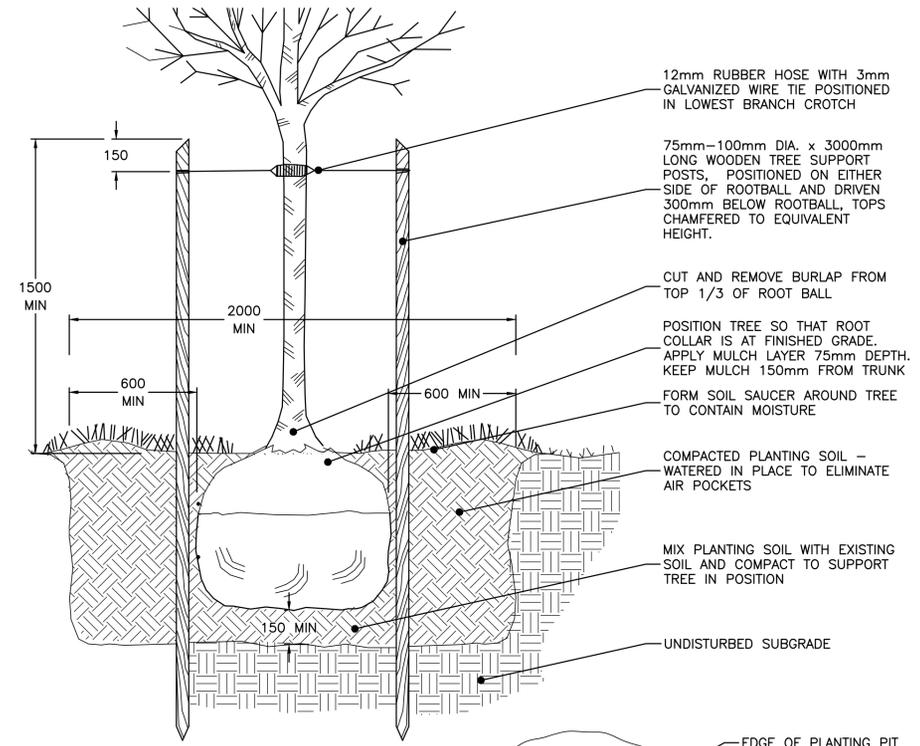
2 PLANTING SCHEDULE SCALE: NTS

PLANTING SCHEDULE

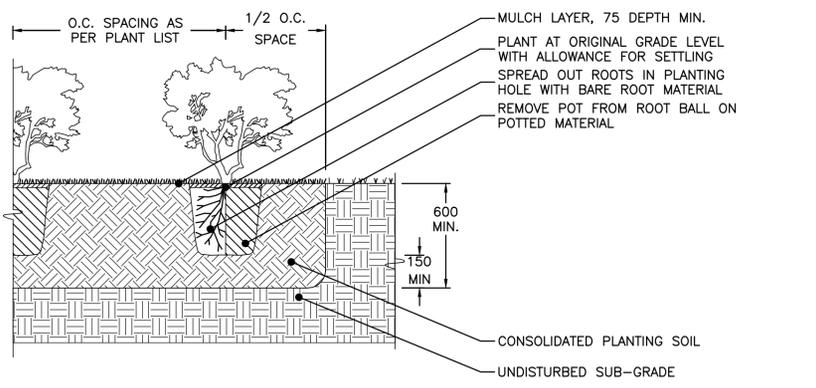
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING	STAKING	REMARKS
AR	3	Acer rubrum	Red Maple	60mm cal	W.B.	As shown	Yes	
PP	5	Picea pungens	Green Spruce	150cm	W.B.	As Shown	Yes	
CSE	40	Cornus sericea 'Arctic Fire'	Arctic Fire Dogwood	80cm	CG#3	1.5m o.c.	-	
EAC	2	Euonymus alatus 'Compacta'	Dwarf Burning Bush	80cm	CG#3	1.5m o.c.	-	
FNG	21	Forsythia 'Northern Gold'	Northern Gold Forsythia	80cm	CG#3	1.2m o.c.	-	
HES	8	Hydrangea 'Endless Summer'	Endless Summer Hydrangea	80cm	CG#3	0.9m o.c.	-	
SJL	15	Spirea 'Little Princess'	Little Princess Spirea	50cm	CG#3	0.8m o.c.	-	
amo	8	Alchemilla mollis	Lady's Mantle	30cm	CG#2	0.5m o.c.	-	
ckf	6	Calamagrostis 'Karl Foerster'	Karl Foerster Reed Grass	80cm	CG#3	1.2m 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.

3 SECTION: DECIDUOUS TREE PLANTING SCALE: NTS



4 SECTION: SHRUB PLANTING SCALE: NTS



- NOTES:**
- ALL MEASUREMENTS SHOWN ARE IN METRIC UNITS OF METERS.
 - 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.
 - 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.
 - 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.
 - 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	Appr'd
2	24-JAN-26	RE-ISSUED FOR SITE PLAN APPLICATION		
1	23-DEC-1	ISSUED FOR SITE PLAN APPLICATION		1

Seal:

ABLE
ENGINEERING | LAND SURVEYING
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	DEC. 1, 2023	Drawn	J.C.	Project No.	220418-11
Scale	AS NOTED	Engineer	M.VISENTIN	Plan No.	L101



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	→
→	SWALE FLOW	→
---	CONTOUR LINES	---
---	GAS LINE	---
○	TREE	○
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	GUARD RAIL	---
---	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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5. SLOPES GREATER THAN 2:1 SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER.

No.	Date	Revision Description	App'd
5	04/11/24	GENERAL REVISION - TOWN OF WOLFVILLE COMMENTS	
4	01/23/24	GENERAL REVISION	
3	11/15/23	GENERAL REVISION	
2	10/30/23	GENERAL REVISION	
1	10/12/23	ISSUED FOR REVIEW	

REGISTERED PROFESSIONAL ENGINEER

DATE: 04/11/2024

M. A. Visentin

12358

PROVINCE OF NOVA SCOTIA

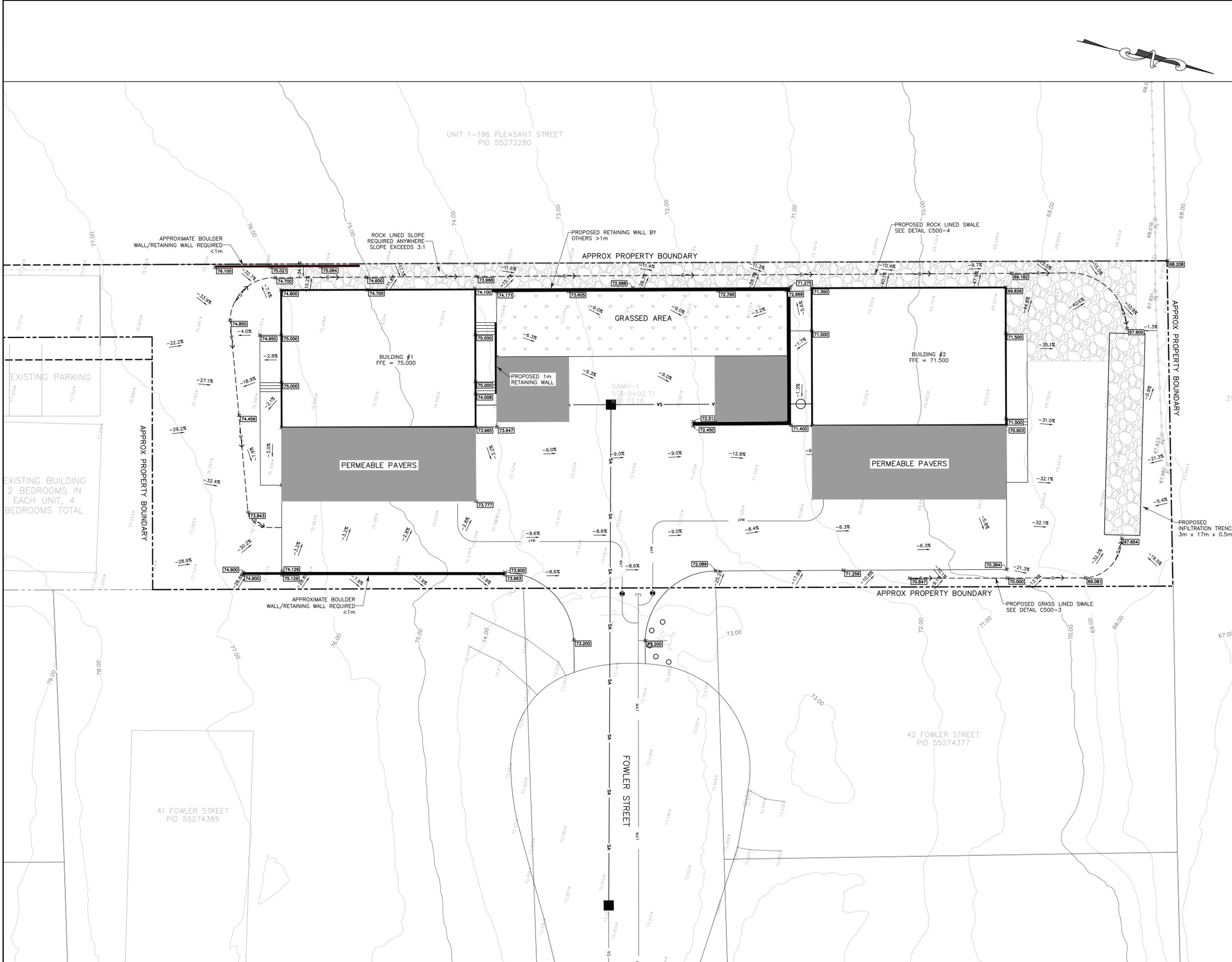
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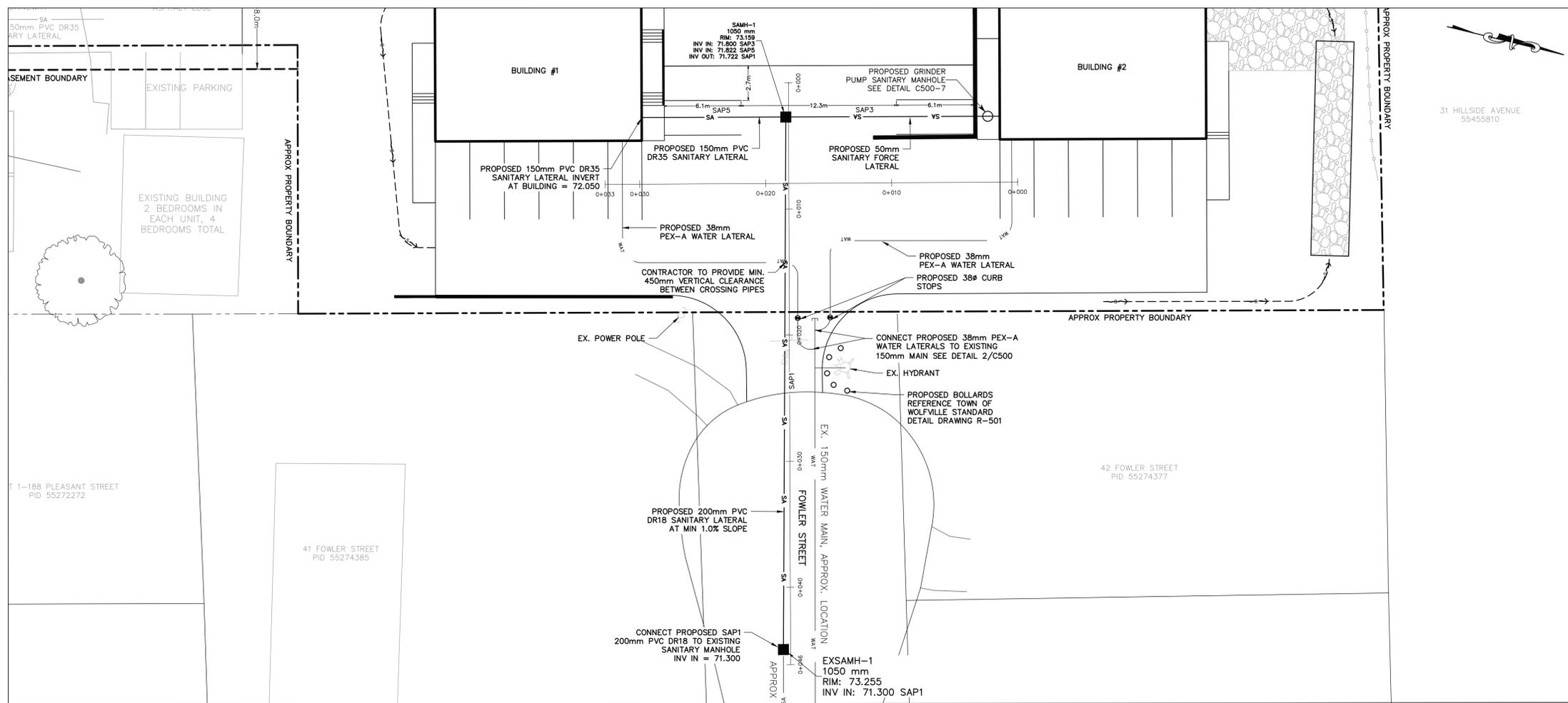


PLEASANT STREET DEVELOPMENT - 2
WOLFVILLE, NS
PID# 55542625

PROPOSED SITE GRADING PLAN

Date	SEPT 26, 2023	Drawn	J.LITT	Project No.	220418-11
Scale	1:150	Engineer	M.VISENTIN	Plan No.	C101





LEGEND

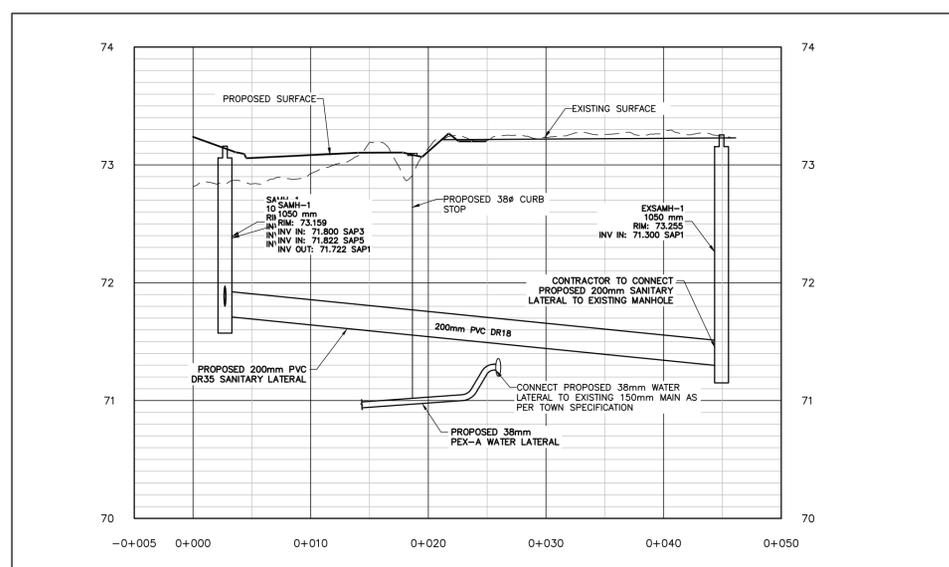
EXISTING		PROPOSED
⊙	GATE/BUTTERFLY VALVE	⊙
▽	STREET SIGN	▽
○/○-○	POWER POLE/LIGHT POLE	○/○-○
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---	CURB AND DRIVEWAY CUT	---
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---	STREET LINE	---
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→	SWALE FLOW	→
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GAS-GAS	GAS LINE	GAS-GAS
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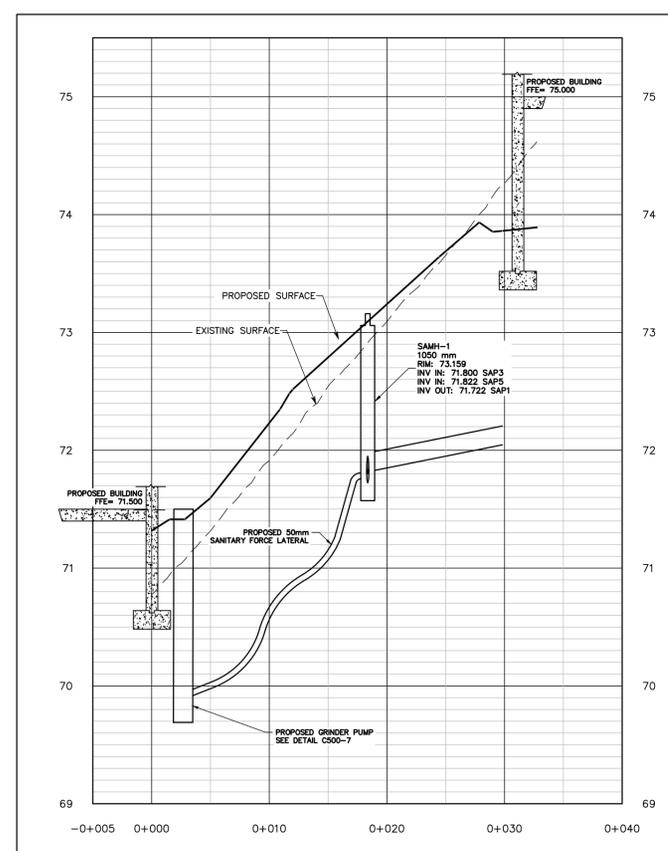
1 SERVICE PLAN
C102 SCALE: 1:150

CONTRACTOR TO PROVIDE MINIMUM VERTICAL GROUND COVER OF 1.6m OVER WATER LATERAL AND 1.2m OVER SANITARY LATERAL. RIGID HI-40 INSULATION REQUIRED WHERE MINIMUM COVER CANNOT BE ACHIEVED

WATER AND PRESSURIZED SEWER LATERALS REQUIRE INSTALLATION OF TRACER WIRE WITHIN PUBLIC ROW



2 SERVICE PROFILE
C102 SCALE: HOR 1:300 VERT 1:30

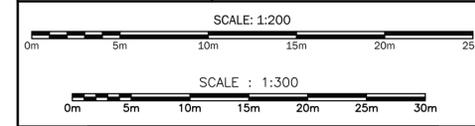


3 SERVICE PROFILE
C102 SCALE: HOR 1:300 VERT 1:30

No.	Date	Revision Description	App'd
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4	01/23/24	GENERAL REVISION	
3	11/15/23	GENERAL REVISION	
2	10/30/23	GENERAL REVISION	
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Seal:

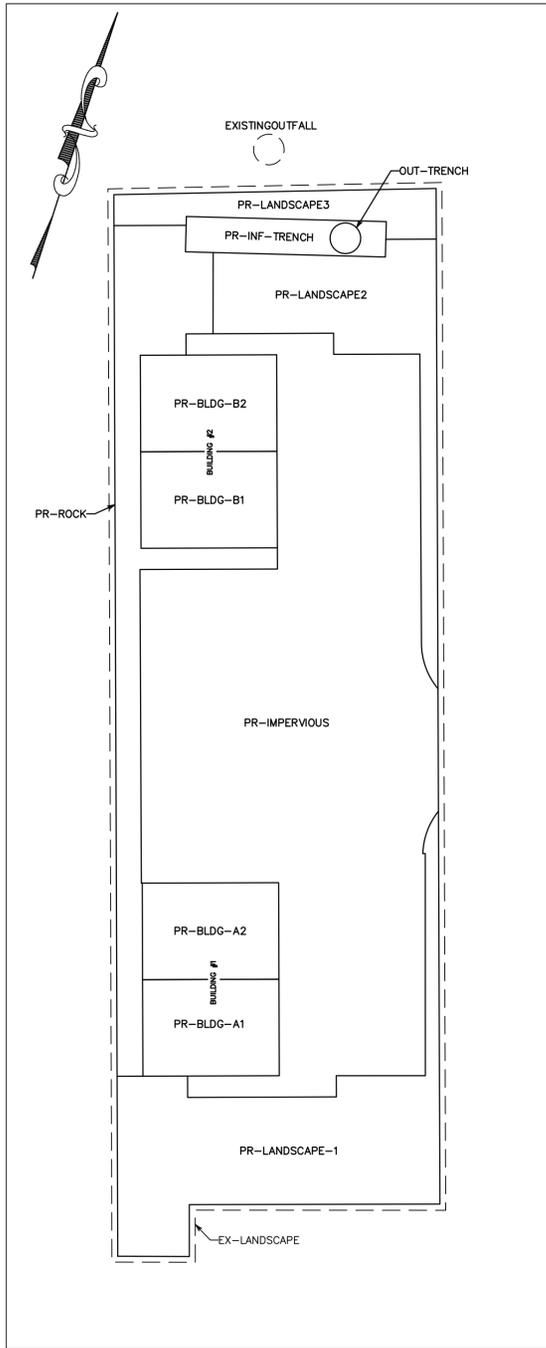
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PLEASANT STREET DEVELOPMENT - 2
WOLFVILLE, NS
PID# 55542625

SANITARY AND WATER DESIGN

Date	SEPT 26, 2023	Drawn	J.LITT	Project No.	220418-11
Scale	SEE PLAN	Engineer	M.VISENTIN	Plan No.	C102



EXISTING 5 YEAR STORM SUBBASIN

Element ID	Area (m ²)	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	ExistingOutfall	80.00	111.15	59.84	18.12	0 00:15:52
TOTAL EXISTING PEAK FLOW =				18.12			

EXISTING 10 YEAR STORM SUBBASIN

Element ID	Area (m ²)	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	ExistingOutfall	80.00	140.28	85.17	25.77	0 00:15:52
TOTAL EXISTING PEAK FLOW =				25.77			

EXISTING 25 YEAR STORM SUBBASIN

Element ID	Area (m ²)	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	ExistingOutfall	80.00	177.16	118.64	35.96	0 00:15:52
TOTAL EXISTING PEAK FLOW =				35.96			

EXISTING 50 YEAR STORM SUBBASIN

Element ID	Area (m ²)	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	ExistingOutfall	80.00	204.70	144.27	43.61	0 00:15:52
TOTAL EXISTING PEAK FLOW =				43.61			

EXISTING 100 YEAR STORM SUBBASIN

Element ID	Area (m ²)	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	ExistingOutfall	80.00	231.54	169.62	50.97	0 00:15:52
TOTAL EXISTING PEAK FLOW =				50.97			

PROPOSED 5-YEAR STORM SUBBASINS

Element ID	Area (m ²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BLDG-1A	90.00	OUT-TRENCH	98.00	111.15	102.11	1.13	0 00:05:00
PR-BLDG-2A	95.04	OUT-TRENCH	98.00	111.15	103.78	1.42	0 00:05:00
PR-BLDG-2B	94.56	OUT-TRENCH	98.00	111.15	103.78	1.42	0 00:05:00
PR-BLDNG-1B	95.09	OUT-TRENCH	98.00	111.15	103.78	1.42	0 00:05:00
PR-COMPOSITE	205.42	OUT-TRENCH	92.00	111.15	87.99	2.55	0 00:05:00
PR-IMPERVIOUS	1126.44	OUT-TRENCH	92.00	111.15	88.42	13.03	0 00:05:00
PR-INF-TRENCH	77.27	OUT-TRENCH	80.00	111.15	52.20	0.57	0 00:05:00
PR-LANDSCAPE1	329.31	OUT-TRENCH	80.00	111.15	59.69	2.55	0 00:05:00
PR-LANDSCAPE2	158.61	OUT-TRENCH	80.00	111.15	59.39	1.13	0 00:05:00
PR-LANDSCAPE3	105.73	OUT-TRENCH	80.00	111.15	58.98	0.85	0 00:05:00
EXISTING PEAK FLOW =				18.12			
PROPOSED PEAK FLOW =				25.57			
REQUIRED DETENTION STORAGE =				13.26 m³			

PROPOSED 10-YEAR STORM SUBBASINS

Element ID	Area (m ²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BLDG-1A	90.00	OUT-TRENCH	98.00	140.28	132.44	1.13	0 00:05:00
PR-BLDG-2A	95.04	OUT-TRENCH	98.00	140.28	133.38	1.70	0 00:05:00
PR-BLDG-2B	94.56	OUT-TRENCH	98.00	140.28	133.38	1.70	0 00:05:00
PR-BLDNG-1B	95.09	OUT-TRENCH	98.00	140.28	133.38	1.70	0 00:05:00
PR-COMPOSITE	205.42	OUT-TRENCH	92.00	140.28	116.36	3.12	0 00:05:00
PR-IMPERVIOUS	1126.44	OUT-TRENCH	92.00	140.28	116.84	16.99	0 00:05:00
PR-INF-TRENCH	77.27	OUT-TRENCH	80.00	140.28	83.80	0.85	0 00:05:00
PR-LANDSCAPE1	329.31	OUT-TRENCH	80.00	140.28	84.99	3.96	0 00:05:00
PR-LANDSCAPE2	158.61	OUT-TRENCH	80.00	140.28	84.58	1.70	0 00:05:00
PR-LANDSCAPE3	105.73	OUT-TRENCH	80.00	140.28	84.20	1.13	0 00:05:00
EXISTING PEAK FLOW =				25.77			
PROPOSED PEAK FLOW =				33.98			
REQUIRED DETENTION STORAGE =				12.06 m³			

PROPOSED 25-YEAR STORM SUBBASINS

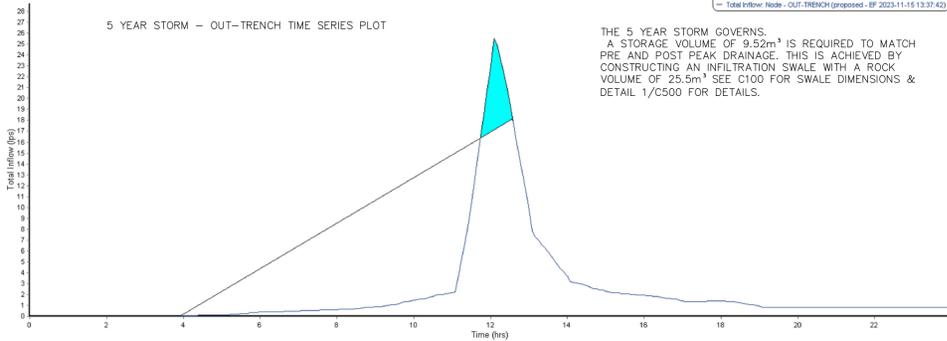
Element ID	Area (m ²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BLDG-1A	90.00	OUT-TRENCH	98.00	177.16	170.00	1.70	0 00:05:00
PR-BLDG-2A	95.04	OUT-TRENCH	98.00	177.16	170.56	2.27	0 00:05:00
PR-BLDG-2B	94.56	OUT-TRENCH	98.00	177.16	170.56	2.27	0 00:05:00
PR-BLDNG-1B	95.09	OUT-TRENCH	98.00	177.16	170.56	2.27	0 00:05:00
PR-COMPOSITE	205.42	OUT-TRENCH	92.00	177.16	152.86	3.96	0 00:05:00
PR-IMPERVIOUS	1126.44	OUT-TRENCH	92.00	177.16	153.14	22.09	0 00:05:00
PR-INF-TRENCH	77.27	OUT-TRENCH	80.00	177.16	116.89	1.13	0 00:05:00
PR-LANDSCAPE1	329.31	OUT-TRENCH	80.00	177.16	118.49	5.38	0 00:05:00
PR-LANDSCAPE2	158.61	OUT-TRENCH	80.00	177.16	118.03	2.55	0 00:05:00
PR-LANDSCAPE3	105.73	OUT-TRENCH	80.00	177.16	117.48	1.70	0 00:05:00
EXISTING PEAK FLOW =				35.96			
PROPOSED PEAK FLOW =				45.32			
REQUIRED DETENTION STORAGE =				10.26 m³			

PROPOSED 50-YEAR STORM SUBBASINS

Element ID	Area (m ²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BLDG-1A	90.00	OUT-TRENCH	98.00	204.70	197.82	1.98	0 00:05:00
PR-BLDG-2A	95.04	OUT-TRENCH	98.00	204.70	198.20	2.55	0 00:05:00
PR-BLDG-2B	94.56	OUT-TRENCH	98.00	204.70	198.20	2.55	0 00:05:00
PR-BLDNG-1B	95.09	OUT-TRENCH	98.00	204.70	198.20	2.55	0 00:05:00
PR-COMPOSITE	205.42	OUT-TRENCH	92.00	204.70	180.16	4.81	0 00:05:00
PR-IMPERVIOUS	1126.44	OUT-TRENCH	92.00	204.70	180.37	25.77	0 00:05:00
PR-INF-TRENCH	77.27	OUT-TRENCH	80.00	204.70	142.49	1.42	0 00:05:00
PR-LANDSCAPE1	329.31	OUT-TRENCH	80.00	204.70	144.17	6.51	0 00:05:00
PR-LANDSCAPE2	158.61	OUT-TRENCH	80.00	204.70	143.74	3.12	0 00:05:00
PR-LANDSCAPE3	105.73	OUT-TRENCH	80.00	204.70	143.13	1.98	0 00:05:00
EXISTING PEAK FLOW =				43.61			
PROPOSED PEAK FLOW =				53.24			
REQUIRED DETENTION STORAGE =				9.35 m³			

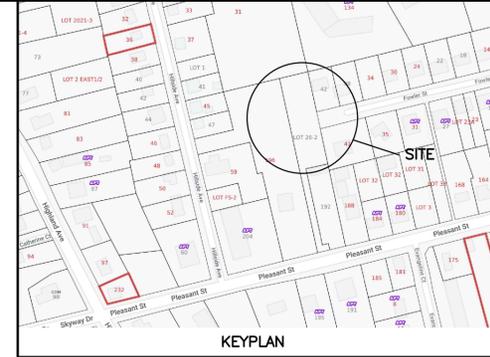
PROPOSED 100-YEAR STORM SUBBASINS

Element ID	Area (m ²)	Drainage Node ID	Weighted Curve Number	Total Precipitation (mm)	Total Runoff (mm)	Peak Runoff (lps)	Time of Concentration (days hh:mm:ss)
PR-BLDG-1A	90.00	OUT-TRENCH	98.00	231.54	224.82	1.98	0 00:05:00
PR-BLDG-2A	95.04	OUT-TRENCH	98.00	231.54	225.10	2.83	0 00:05:00
PR-BLDG-2B	94.56	OUT-TRENCH	98.00	231.54	225.10	2.83	0 00:05:00
PR-BLDNG-1B	95.09	OUT-TRENCH	98.00	231.54	225.10	2.83	0 00:05:00
PR-COMPOSITE	205.42	OUT-TRENCH	92.00	231.54	206.81	5.38	0 00:05:00
PR-IMPERVIOUS	1126.44	OUT-TRENCH	92.00	231.54	206.99	29.45	0 00:05:00
PR-INF-TRENCH	77.27	OUT-TRENCH	80.00	231.54	167.89	1.70	0 00:05:00
PR-LANDSCAPE1	329.31	OUT-TRENCH	80.00	231.54	169.52	7.65	0 00:05:00
PR-LANDSCAPE2	158.61	OUT-TRENCH	80.00	231.54	169.19	3.40	0 00:05:00
PR-LANDSCAPE3	105.73	OUT-TRENCH	80.00	231.54	168.58	2.27	0 00:05:00
EXISTING PEAK FLOW =				50.97			
PROPOSED PEAK FLOW =				60.32			
REQUIRED DETENTION STORAGE =				8.80 m³			



Total Inflow Summary Table

Time period	Element ID	OUT-TRENCH
From: 11/07/2023, 12:00:00 AM	Maximum Total Inflow (lps)	50.97
To: 11/08/2023, 12:00:00 AM	Minimum Total Inflow (lps)	0.00
	Event Mean Total Inflow (lps)	2.26
	Duration of Exceedance (hrs)	N/A
	Duration of Deficits (hrs)	N/A
	Number of Exceedances	N/A
	Number of Deficits	N/A
	Volume of Exceedance (m³)	N/A
	Volume of Deficit (m³)	N/A
	Total Inflow Volume (m³)	194.71
	Detention Storage (m³)	13259.97



LEGEND

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

- NOTES:**
- ALL MEASUREMENTS SHOWN ARE IN METRIC UNITS OF METERS.
 - 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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 - 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

No.	Date	Revision	Description	App'd
5	04/11/24	GENERAL REVISION	TOWN OF WOLFVILLE COMMENTS	
4	01/23/24	GENERAL REVISION		
3	11/15/23	GENERAL REVISION		
2	10/30/23	GENERAL REVISION		
1	10/12/23	ISSUED FOR REVIEW		

Seal of M. A. Visentin, Registered Professional Engineer, No. 12358, Province of Nova Scotia.

ABLE ENGINEERING SERVICES INC
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 civil@ableinc.ca www.ableinc.ca



PLEASANT STREET DEVELOPMENT - 2
 WOLFVILLE, NS
 PID# 55542625

PROPOSED SITE STORM WATER MANAGEMENT PLAN

Date	SEPT 26, 2023	Drawn	E.FRY	Project No.	220418-11
Scale	1:300	Engineer	M.VISENTIN	Plan No.	C103



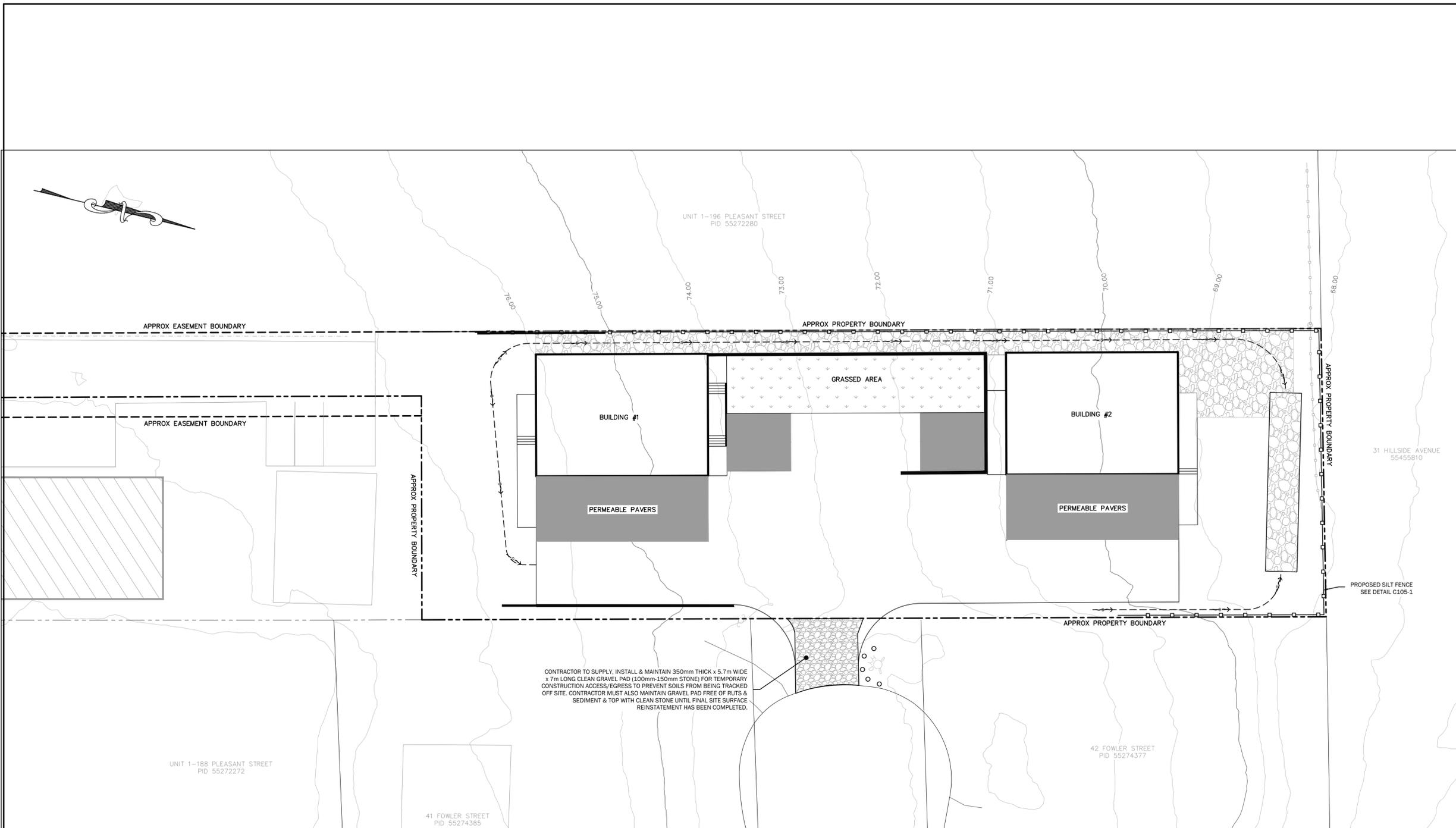
KEYPLAN

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	WATER SERVICE	⊙-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	→
346	CONTOUR LINES	346
GAS—GAS	GAS LINE	GAS—GAS
⊙	TREE	⊙
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	GUARD RAIL	---
---	SILT FENCE	SF—SF

NOTES:

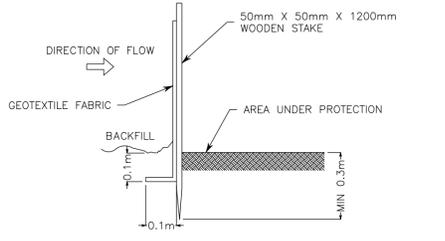
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5. SLOPES GREATER THAN 2:1 SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER.



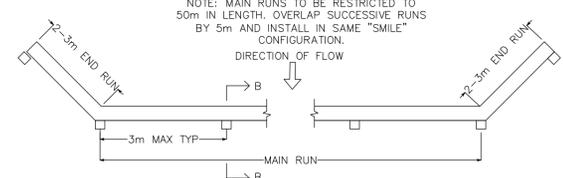
CONTRACTOR TO SUPPLY, INSTALL & MAINTAIN 350mm THICK x 5.7m WIDE x 7m LONG CLEAN GRAVEL PAD (100mm-150mm STONE) FOR TEMPORARY CONSTRUCTION ACCESS/EGRESS TO PREVENT SOILS FROM BEING TRACKED OFF SITE. CONTRACTOR MUST ALSO MAINTAIN GRAVEL PAD FREE OF RUTS & SEDIMENT & TOP WITH CLEAN STONE UNTIL FINAL SITE SURFACE REINSTATEMENT HAS BEEN COMPLETED.

EROSION AND SEDIMENT CONTROL NOTES

1. SAFETY IS PARAMOUNT AND THE CONTRACTOR MUST USE SAFE WORK PRACTICES IN ACCORDANCE WITH THE NOVA SCOTIA OCCUPATIONAL HEALTH AND SAFETY ACT.
2. 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.
3. THE CONTRACTOR SHALL OVERSEE THAT ALL WORK IS CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NOVA SCOTIA DEPARTMENTS OF ENVIRONMENT AND CLIMATE CHANGE (NSECC)
4. 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.
5. 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.
6. 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.
7. THE CONTRACTOR SHALL MAINTAIN ALL ENVIRONMENTAL CONTROLS UNTIL THE SITE HAS BEEN STABILIZED AND APPROVED BY THE REGULATOR.
8. THE CONTRACTOR SHALL PREVENT THE RELEASE OF SEDIMENT TO ALL WATERCOURSES, WETLANDS AND/OR PROPERTIES ADJACENT TO THE CONSTRUCTION SITE.
9. THE CONTRACTOR OR SITE DESIGNATE SHALL NOTIFY NSECC IF THERE ARE ANY OFFSITE IMPACTS AND ENSURE THAT DEFICIENCIES ARE CORRECTED WITHIN 12 HOURS OF ANY BREACH.
10. THE CONTRACTOR OR SITE DESIGNATE SHALL INSPECT ENVIRONMENTAL CONTROLS BEFORE AND AFTER PRECIPITATION EVENTS FORECASTED TO BE > 10 MM.
11. IN THIS ESC PLAN, ANY REFERENCE TO A PREDICTED FORECAST FOR PRECIPITATION EVENTS REFERS TO FORECASTS BY ENVIRONMENT CANADA ONLY.
12. NO WASHING, FUELING OR MAINTENANCE OF VEHICULAR EQUIPMENT WILL BE ALLOWED WITHIN 30 M OF ANY WATERCOURSE OR WETLAND WITHOUT SECONDARY CONTAINMENT.
13. NO STORAGE OF CHEMICALS, PETROLEUM, OILS OR LUBRICANTS WILL BE ALLOWED WITHIN 30 M OF A WATERCOURSE OR WETLAND.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. SEDIMENT FENCE AND GRUBBING BERM AREAS TO BE INSPECTED AFTER EVERY RAINFALL EVENT AND WEEKLY. RECORD TO BE KEPT BY CONTRACTOR.
21. KEEP CLEAN WATER CLEAN.
22. 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.
23. CONTRACTOR TO SPREAD GRUBBING MATERIAL OR HYDRAULIC MULCH WITH HYDROSEED OVER ANY EXPOSED SLOPES DURING CONSTRUCTION.



SECTION B-B
1 INSTALLATION TYPE 1 SILT FENCE
NTS

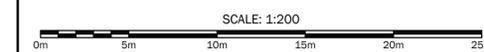


NOTE: MAIN RUNS TO BE RESTRICTED TO 50m IN LENGTH. OVERLAP SUCCESSIVE RUNS BY 5m AND INSTALL IN SAME "SMILE" CONFIGURATION.

No.	Date	Revision	Description	App'd
5	04/11/24		GENERAL REVISION -- TOWN OF WOLFVILLE COMMENTS	
4	01/23/24		GENERAL REVISION	
3	11/15/23		GENERAL REVISION	
2	10/30/23		GENERAL REVISION	
1	10/12/23		ISSUED FOR REVIEW	

Seal

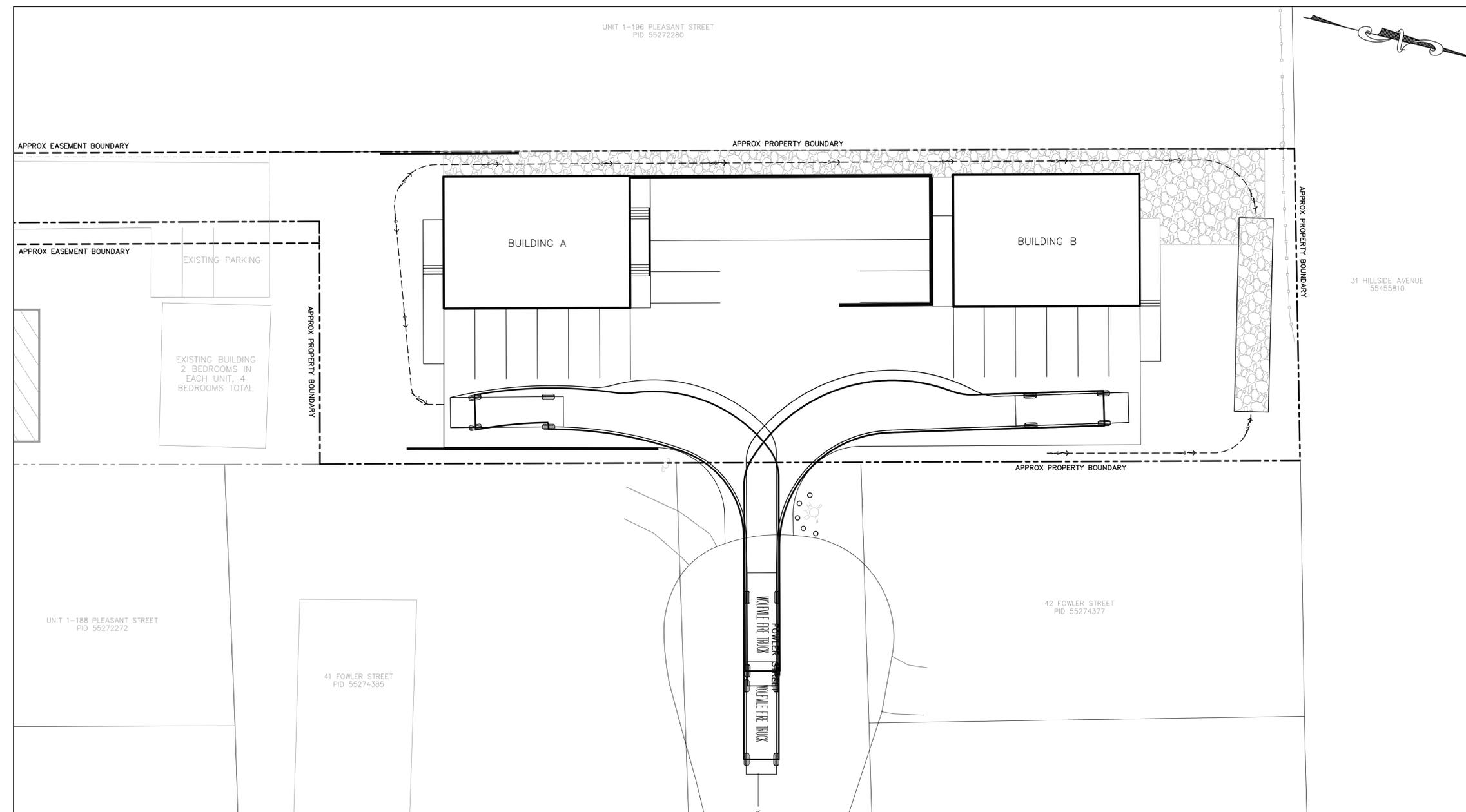
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PLEASANT STREET DEVELOPMENT - 2
WOLFVILLE, NS
PID# 55542625

EROSION AND SEDIMENT CONTROL PLAN

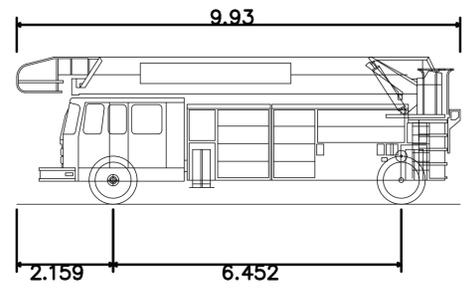
Date	SEPT 26, 2023	Drawn	E.FRY	Project No.	220418-11
Scale	1:200	Engineer	M.VISENTIN	Plan No.	C104



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	→
→	SWALE FLOW	→
346	CONTOUR LINES	346
GAS-—-GAS	GAS LINE	GAS-—-GAS
○	TREE	○
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	SILT FENCE	---

- NOTES:**
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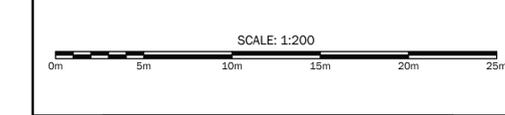


WOLFVILE FIRE TRUCK
 Overall Length 9.930m
 Overall Width 2.650m
 Overall Body Height 3.290m
 Min Body Ground Clearance 0.373m
 Track Width 3.068m
 Lock-to-lock time 4.00s
 Max Wheel Angle 45.00°

No.	Date	Revision	Description	App'd
5	04/11/24	GENERAL REVISION	TOWN OF WOLFVILLE COMMENTS	
4	01/23/24	GENERAL REVISION		
3	11/15/23	GENERAL REVISION		
2	10/30/23	GENERAL REVISION		
1	10/26/23	ISSUED FOR REVIEW		

Seal: REGISTERED PROFESSIONAL ENGINEER, M. A. Visentin, 12358, PROVINCE OF NOVA SCOTIA

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PLEASANT STREET DEVELOPMENT - 2
 WOLFVILLE, NS
 PID# 55542625

FIRE TRUCK TURNING

Date	SEPT 25, 2023	Drawn	J.LITT	Project No.	220418-11
Scale	1:200	Engineer	M.VISENTIN	Plan No.	C105



KEYPLAN

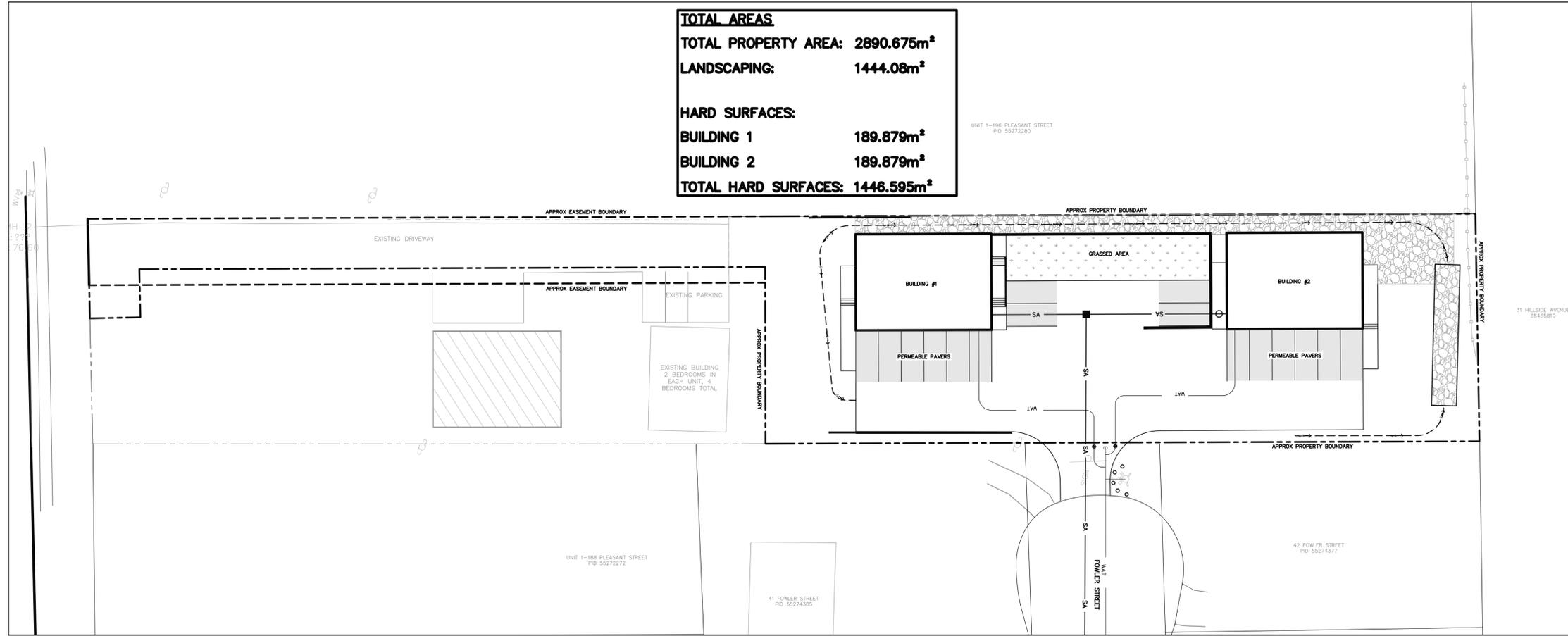
LEGEND

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—	WATER SERVICE	⊙—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	→
34.6	CONTOUR LINES	34.6
—GAS—GAS—	GAS LINE	—GAS—GAS—
⊙	TREE	⊙
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	SILT FENCE	—SF—SF—

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TOTAL AREAS
TOTAL PROPERTY AREA: 2890.675m²
LANDSCAPING: 1444.08m²
HARD SURFACES:
BUILDING 1 189.879m²
BUILDING 2 189.879m²
TOTAL HARD SURFACES: 1446.595m²



No.	Date	Revision	Description	App'd
2	04/11/24		GENERAL REVISION - TOWN OF WOLFVILLE COMMENTS	
1	01/23/24		ISSUED FOR REVIEW	



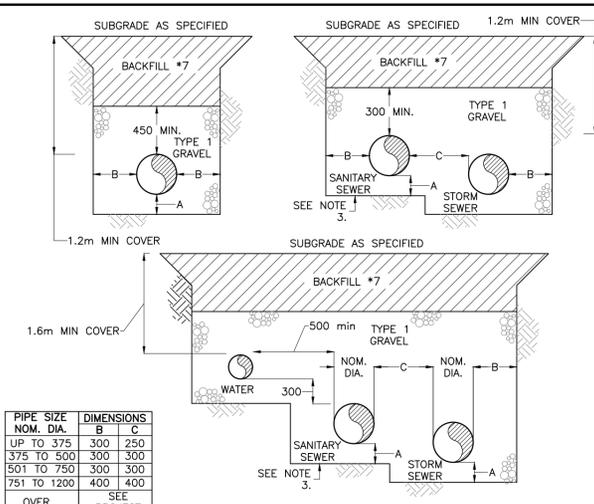
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PLEASANT STREET DEVELOPMENT - 2
 WOLFVILLE, NS
 PID# 55542625

FULL PROPERTY AREA CALCULATIONS

Date	JANUARY 17TH, 2024	Drawn	J.LITT	Project No.	220418-11
Scale	1:200	Engineer	M.VISENTIN	Plan No.	C106



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

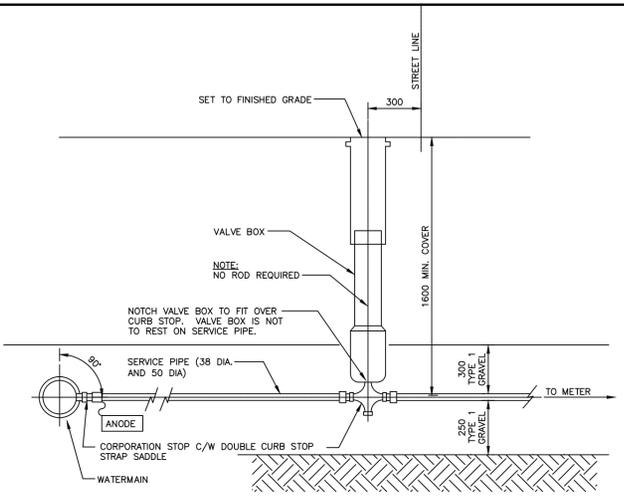
SEE PROJECT DRAWINGS

DIMENSION "A" IS 25% OF THE NOMINAL PIPE DIAMETER OR 250mm, WHICHEVER IS GREATER.

NOTES:

- 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



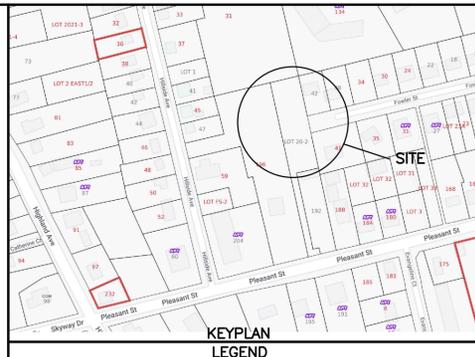
NOTES:

- 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 MUNICEP SERVICE PIPE IS USED.
- TRACE WIRE FOR MUNICEP INSTALLATIONS.

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

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 CONDITIONS:**
- 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.
 - NSECC 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 NSTD 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.
 - 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 MANUFACTURES 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:
 - STORM PIPE - PVC DR35
 - SANITARY PIPE - PVC DR35
 - WATER PIPE - PEX-a



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	---
---	SWALE FLOW	---
---	CONTOUR LINES	---
---	GAS LINE	---
---	TREE	---
---	BOTTOM OF SLOPE	---
---	TOP OF SLOPE	---
---	GUARD RAIL	---
---	SILT FENCE	---

MIN. ALLOWABLE DEFLECTION ANGLES FOR CONCRETE PIPE

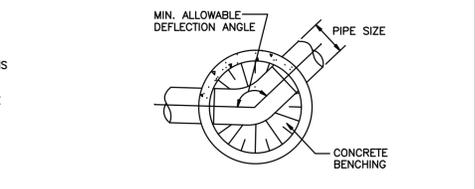
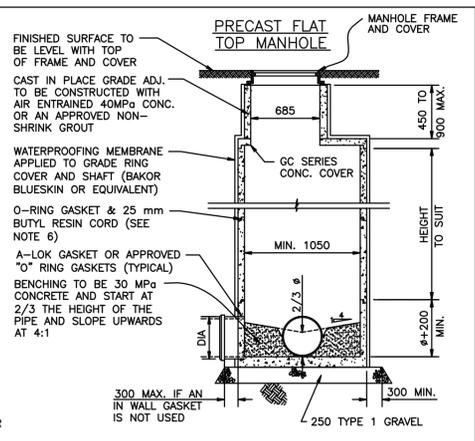
PIPE SIZE (mm)	MINIMUM ALLOWABLE DEFLECTION ANGLE					
	1050 M.H.	1200 M.H.	1500 M.H.	1800 M.H.	2100 M.H.	2400 M.H.
200	90	90	90	90	90	90
250	90	90	90	90	90	90
300	90	90	90	90	90	90
375	100	90	90	90	90	90
450	115	100	90	90	90	90
525	135	115	90	90	90	90
600	n/a	130	105	90	90	90
750	n/a	n/a	n/a	n/a	95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

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

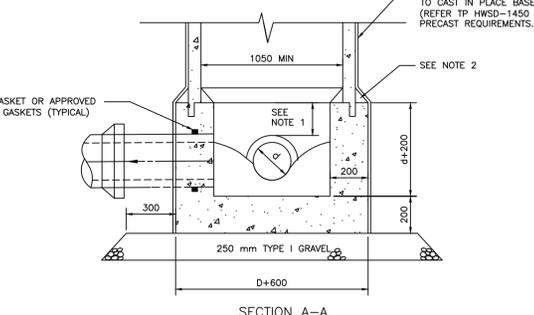
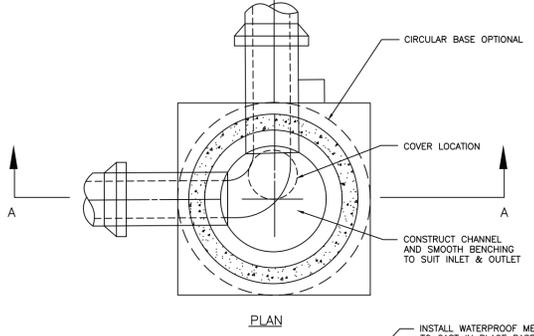
PIPE SIZE (mm)	MIN. ANGLE					
	1050 M.H.	1200 M.H.	1500 M.H.	1800 M.H.	2100 M.H.	2400 M.H.
200	90	90	90	90	90	90
250	90	90	90	90	90	90
300	90	90	90	90	90	90
375	90	90	90	90	90	90
450	95	90	90	90	90	90
525	110	90	90	90	90	90
600	n/a	110	90	90	90	90
750	n/a	n/a	n/a	n/a	95	90
900	n/a	n/a	n/a	n/a	110	90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

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 HRWC STAFF.
- N 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.

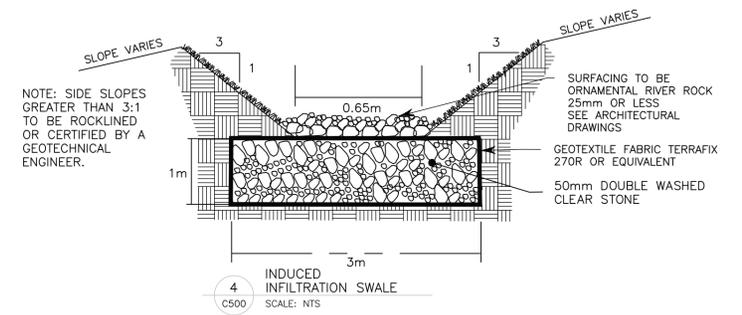


3 STANDARD PRECAST MANHOLE DETAIL
HWS-1450
500 N.T.S.

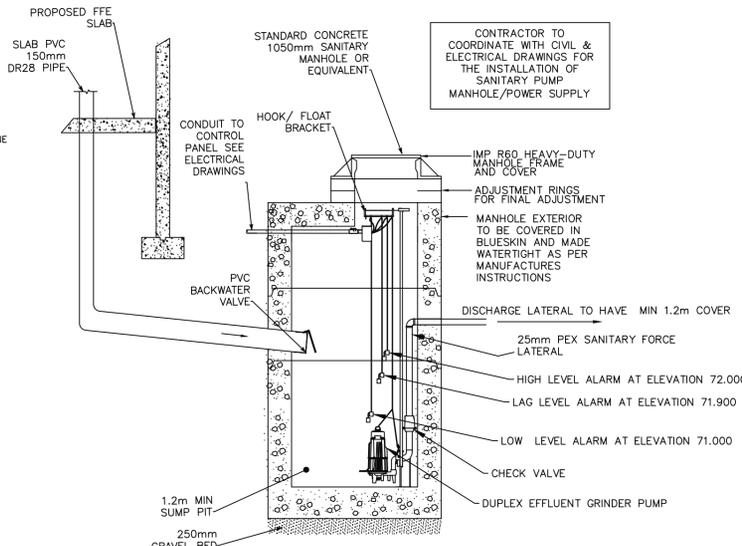


- NOTES:**
- MINIMUM OF 100 mm ABOVE LARGEST PIPE.
 - BELL END OF PRECAST SECTION TO BE FULLY EMBEDDED IN PARTIALLY SET CAST-IN-PLACE BASE. FINISH INTERFACE WITH GROUT OR CONCRETE ON INSIDE AND OUTSIDE OF MANHOLE. SLOPING UP AT 1:1 TO MEET PRECAST SECTION.
 - BACKFILL AROUND MANHOLES SHALL BE TYPE 2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

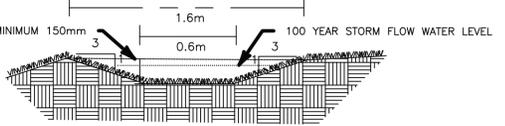
6 CAST-IN-PLACE BASE FOR PRECAST MANHOLE
C500 SCALE: NTS



4 INDUCED INFILTRATION SWALE
C500 SCALE: NTS



7 SANITARY GRINDER PUMP
C500 SCALE: NTS



5 GRASS LINED SWALE
C500 SCALE: NTS

No.	Date	Revision	Description	Appr'd
5	04/11/24		GENERAL REVISION - TOWN OF WOLFFVILLE COMMENTS	
4	01/23/24		GENERAL REVISION	
3	11/15/23		GENERAL REVISION	
2	10/30/23		GENERAL REVISION	
1	10/12/23		ISSUED FOR REVIEW	

Seal

REGISTERED PROFESSIONAL ENGINEER
DATE: 04/11/2024
M. K. Visentin
12358
PROVINCE OF NOVA SCOTIA

ABLE
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
WOLFFVILLE, NS
PID# 55542625

SERVICE DETAILS & NOTES

Date	Drawn	220418-11
July 19, 2021	E.FRY	
Scale	Engineer	Plan No.
	M.VISENTIN	C500

GREENER PROJECT DEVELOPMENT INC.
PID#55542625



SHEET LIST	
SHEET NUMBER	SHEET NAME
A0	COVER PAGE
AN1	GENERAL NOTES
A1	PROPOSED FOUNDATION PLAN
A2	PROPOSED THIRD FLOOR PLAN
A3	PROPOSED MAIN FLOOR PLAN
A4	PROPOSED SECOND FLOOR PLAN
A5	PROPOSED ROOF PLAN
A6	PROPOSED FRONT & LEFT EXTERIOR ELEVATIONS
A7	PROPOSED REAR & RIGHT EXTERIOR ELEVATIONS
A8	BUILDING SECTION A & NOTES
A9	BUILDING SECTION B, BUILDING DETAILS & NOTES
A10	MECHANICAL & ELECTRICAL MF DESIGN PLAN
A11	MECHANICAL & ELECTRICAL SF & TF DESIGN PLAN

DRAFTS: _____
DRAFT 1 _____
DRAFT 2 _____
DRAFT 3 _____

DRAWN & DESIGNED BY:
 ALICIA OLSCHIEWSKI

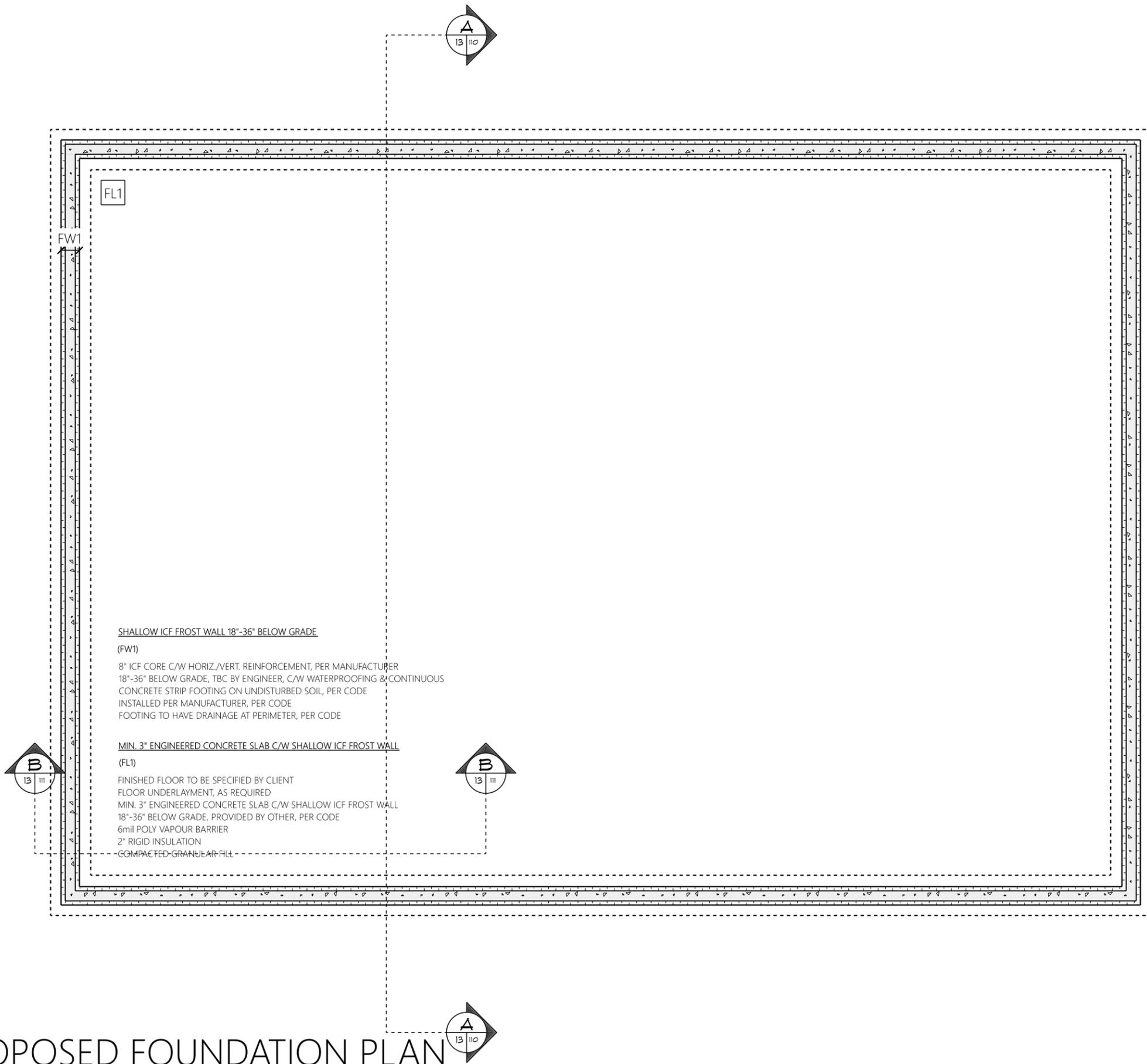
CLIENT:
 Greener Project
 Development Inc.
 PID #55542625

DRAWING NO. **A0**

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 COVER PAGE

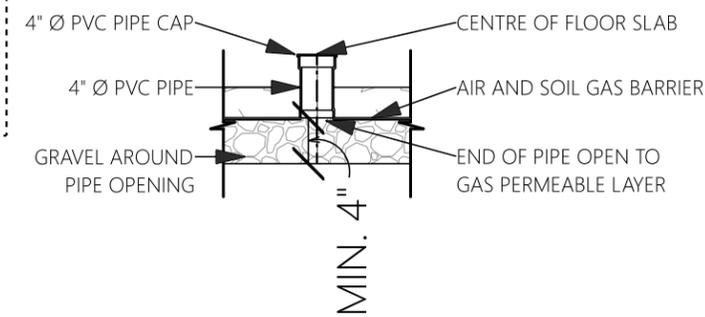
DATE: 2024-05-03

SCALED FOR ANSI B PAPER SIZE



*SEE A2 FOR ADDITIONAL DIMENSIONS & PLUMBING LOCATIONS

*TO HAVE RADON PIPE PER CODE, SEE DETAIL



PROPOSED FOUNDATION PLAN

SCALE: 3/16" = 1'-0"

RADON GAS DETAIL

SCALE: 1/2" = 1'-0"

DRAFTS:

DRAFT 1:
 DRAFT 2:
 DRAFT 3:

DRAWN & DESIGNED BY:
 ALICIA OLSCHIEWSKI

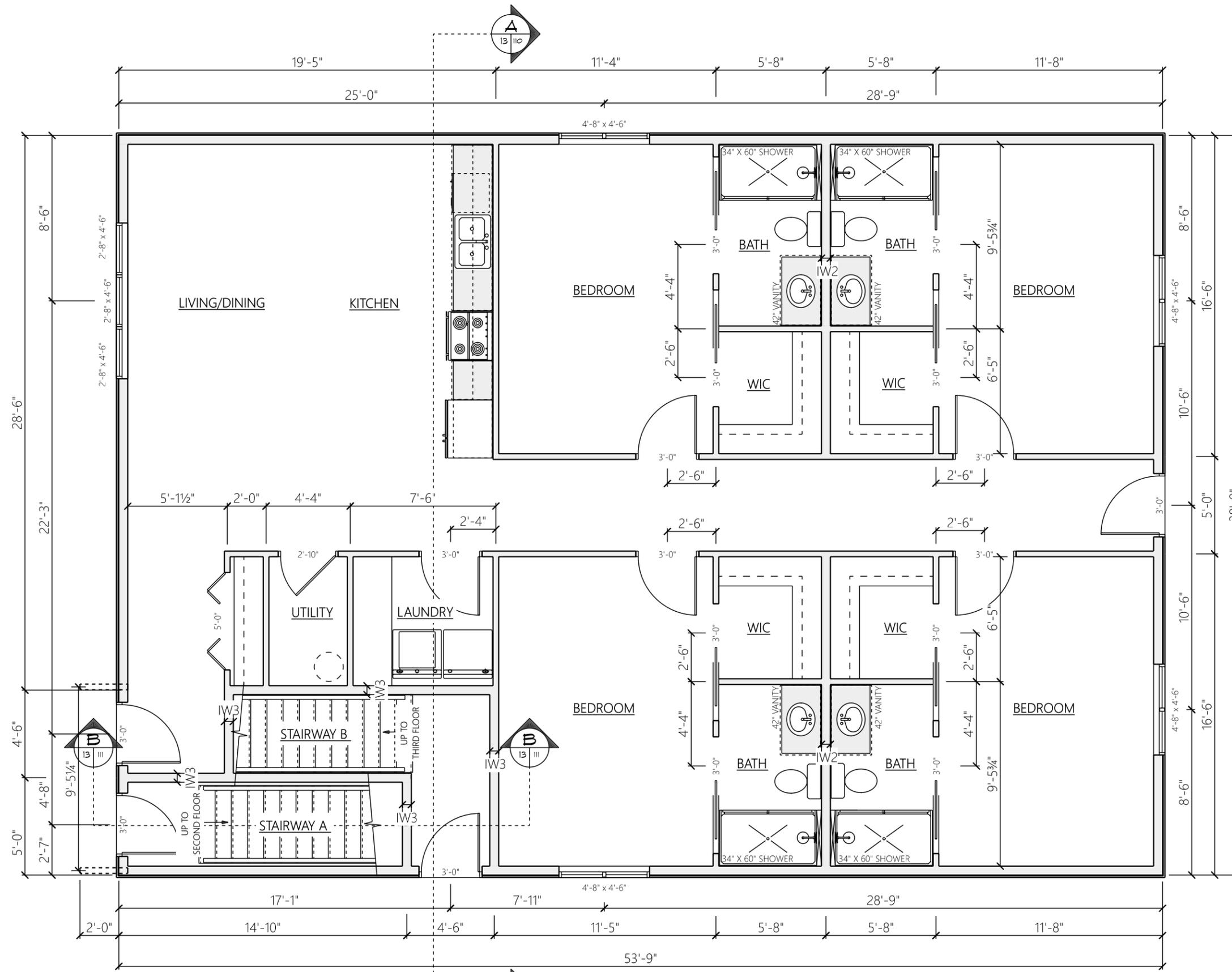
CLIENT:
 Greener Project Development Inc.
 PID #55542625

DRAWING NO. A1

DRAWING NAME:
 PROPOSED FOUNDATION PLAN

DATE: 2024-05-03

1. SCALED FOR ANSI B PAPER SIZE



*ALL DOORS TO BE CENTERED IN SPACE UNLESS NOTED OTHERWISE
 *ALL INTERIOR WALLS TO BE IW1 UNLESS NOTED OTHERWISE

PROPOSED MAIN FLOOR PLAN

SCALE: 3/16" = 1'-0"

1. SCALED FOR ANSI B PAPER SIZE

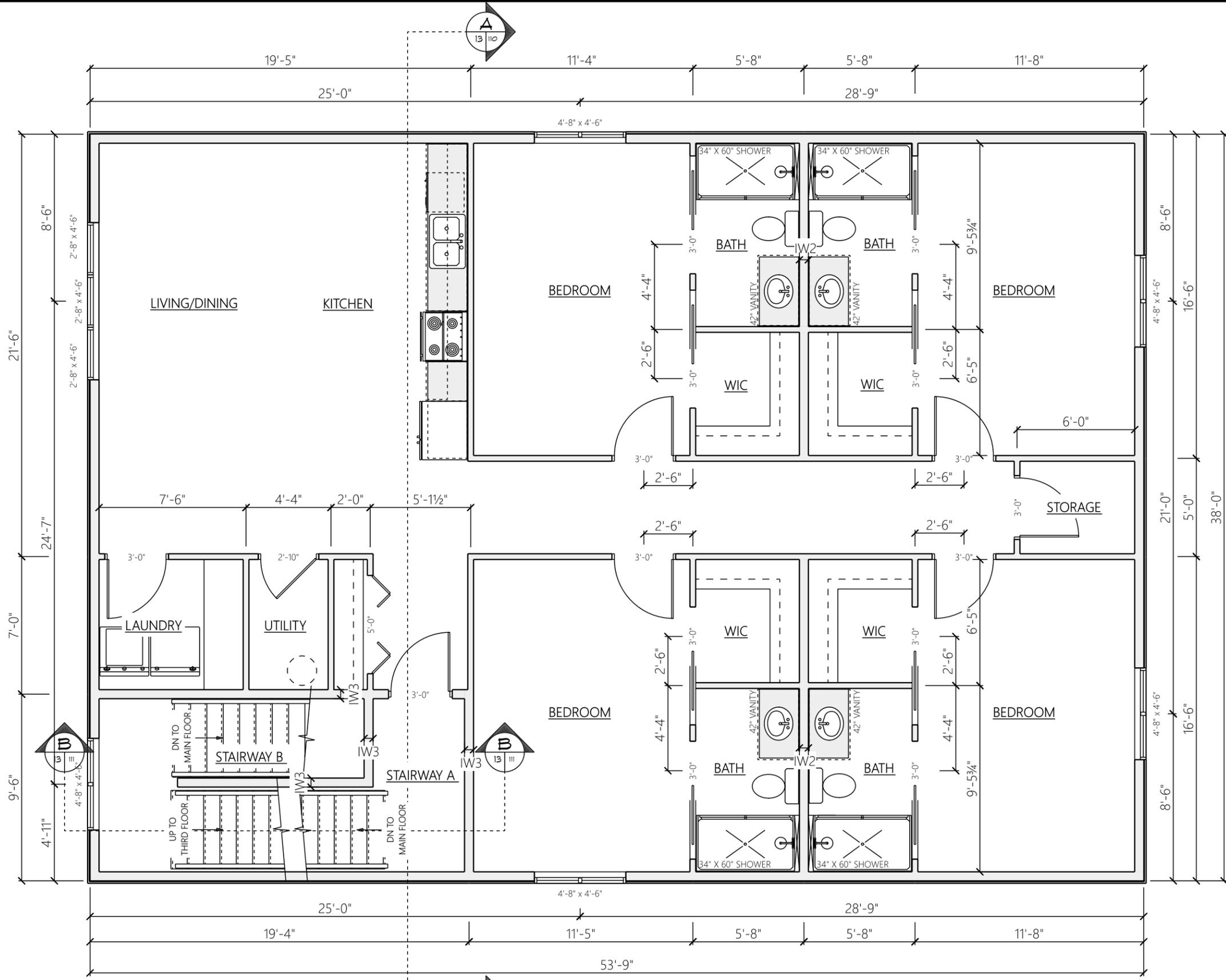
DRAFTS:
 DRAFT 1:
 DRAFT 2:
 DRAFT 3:

DRAWN & DESIGNED BY:
 ALICIA OLSCHESKI
 CLIENT:
 Greener Project
 Development Inc.
 PID #55542625

DRAWING NO. **A2**

DRAWING NAME:
 PROPOSED
 MAIN FLOOR PLAN

DATE: 2024-05-03



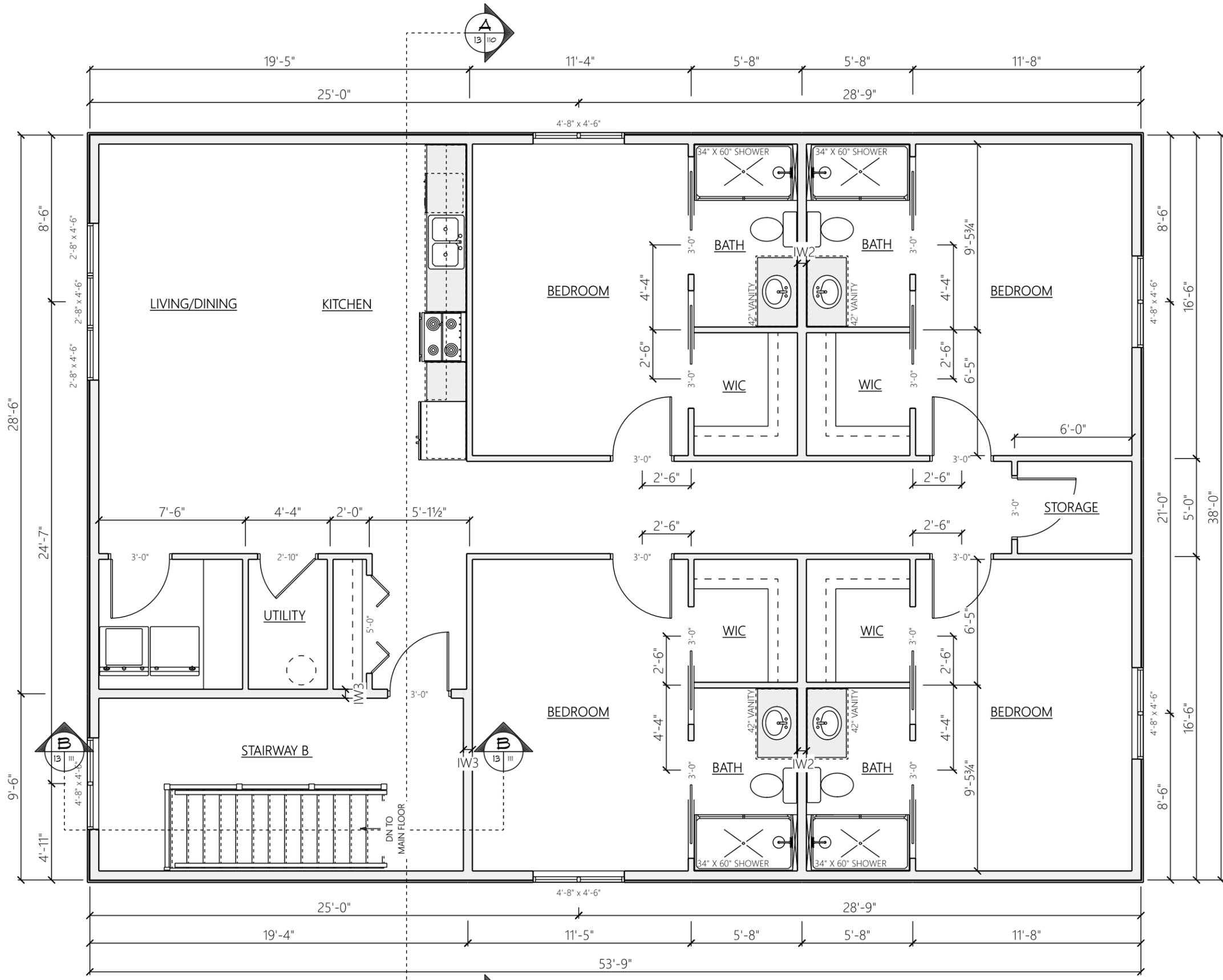
*ALL DOORS TO BE CENTERED IN SPACE UNLESS NOTED OTHERWISE
 *ALL INTERIOR WALLS TO BE IW1 UNLESS NOTED OTHERWISE

PROPOSED SECOND FLOOR PLAN

SCALE: 3/16" = 1'-0"

DRAFTS:	DRAFT 1:	DRAFT 2:	DRAFT 3:
DRAWN & DESIGNED BY:	ALICIA OLSCHESKI		
CLIENT:	Greener Project Development Inc. PID #5542625		
DRAWING NO.	A3		
DRAWING NAME:	PROPOSED SECOND FLOOR PLAN		
DATE:	2024-05-03		

1. SCALED FOR ANSI B PAPER SIZE



*ALL DOORS TO BE CENTERED IN SPACE UNLESS NOTED OTHERWISE
 *ALL INTERIOR WALLS TO BE IW1 UNLESS NOTED OTHERWISE

PROPOSED THIRD FLOOR PLAN

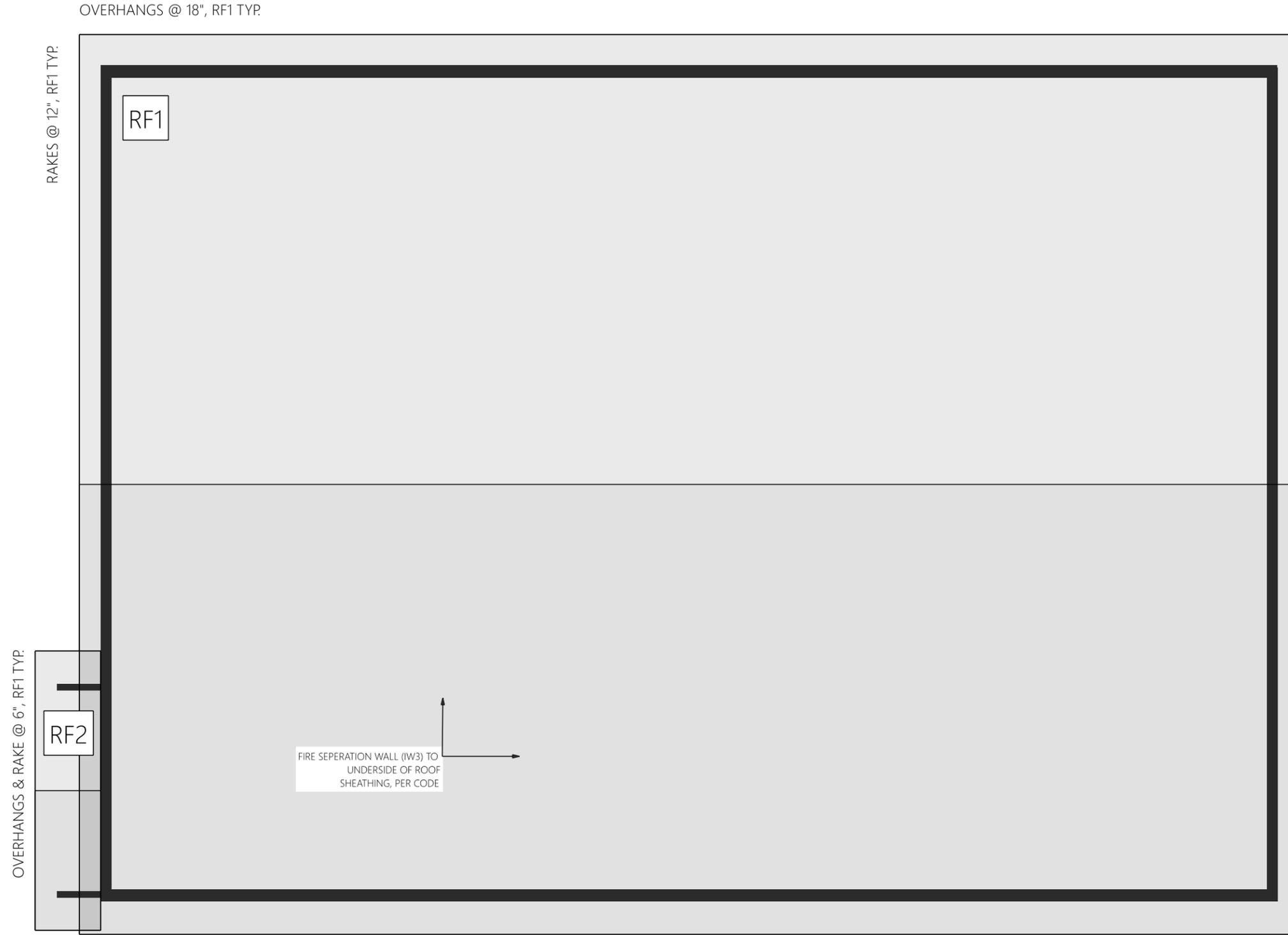
SCALE: 3/16" = 1'-0"

DRAFTS:	DRAFT 1:	DRAFT 2:	DRAFT 3:
DRAWN & DESIGNED BY:	ALICIA OLSCHIEWSKI		
CLIENT:	Greener Project Development Inc. PID #55542625		
DRAWING NO.	A4		
DRAWING NAME:	PROPOSED THIRD FLOOR PLAN		
DATE:	2024-05-03		

1. SCALED FOR ANSI B PAPER SIZE

PROPOSED ROOF PLAN

SCALE: 3/16" = 1'-0"



DRAFTS:

DRAFT 1:

DRAFT 2:

DRAFT 3:

DRAWN & DESIGNED BY:

ALICIA OLSCHIEWSKI

CLIENT:

Greener Project

Development Inc.

PID #55542625

DRAWING NO.

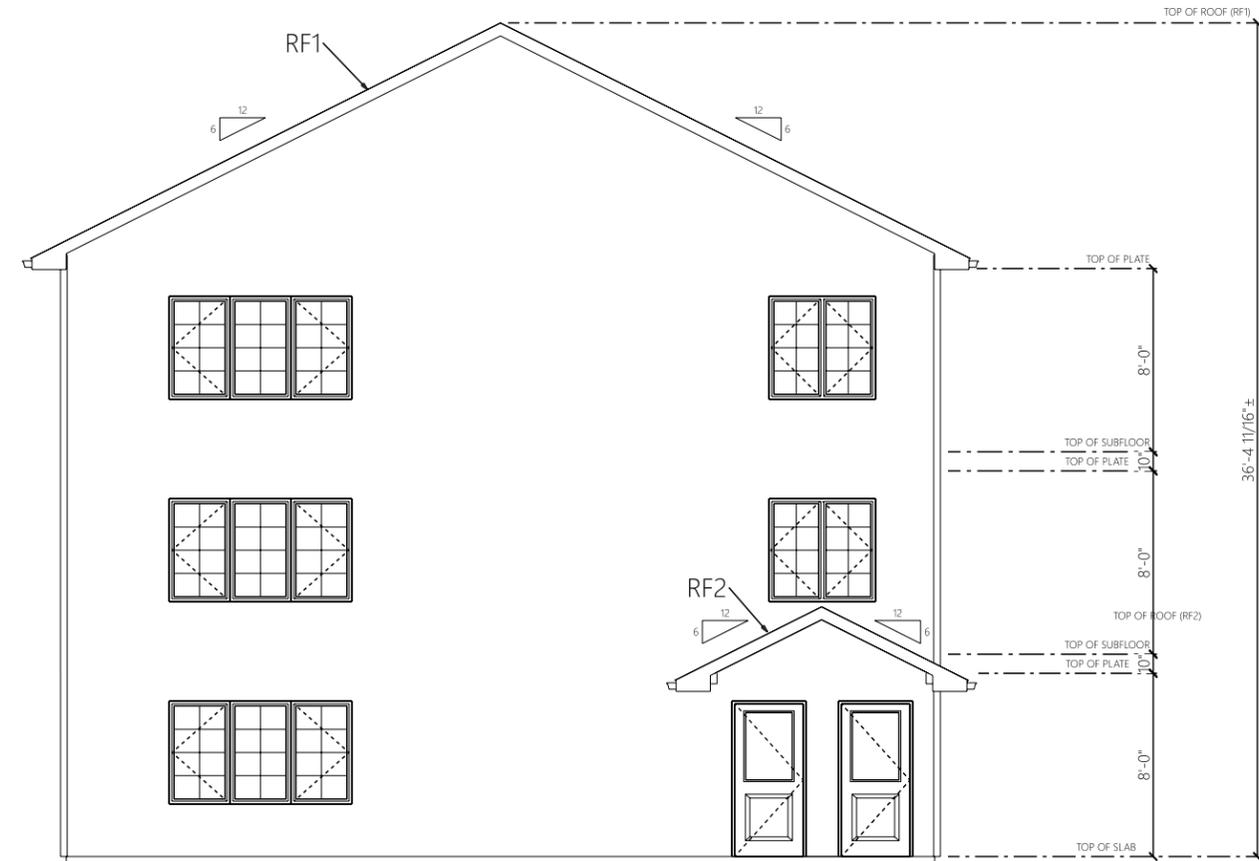
A5

DRAWING NAME

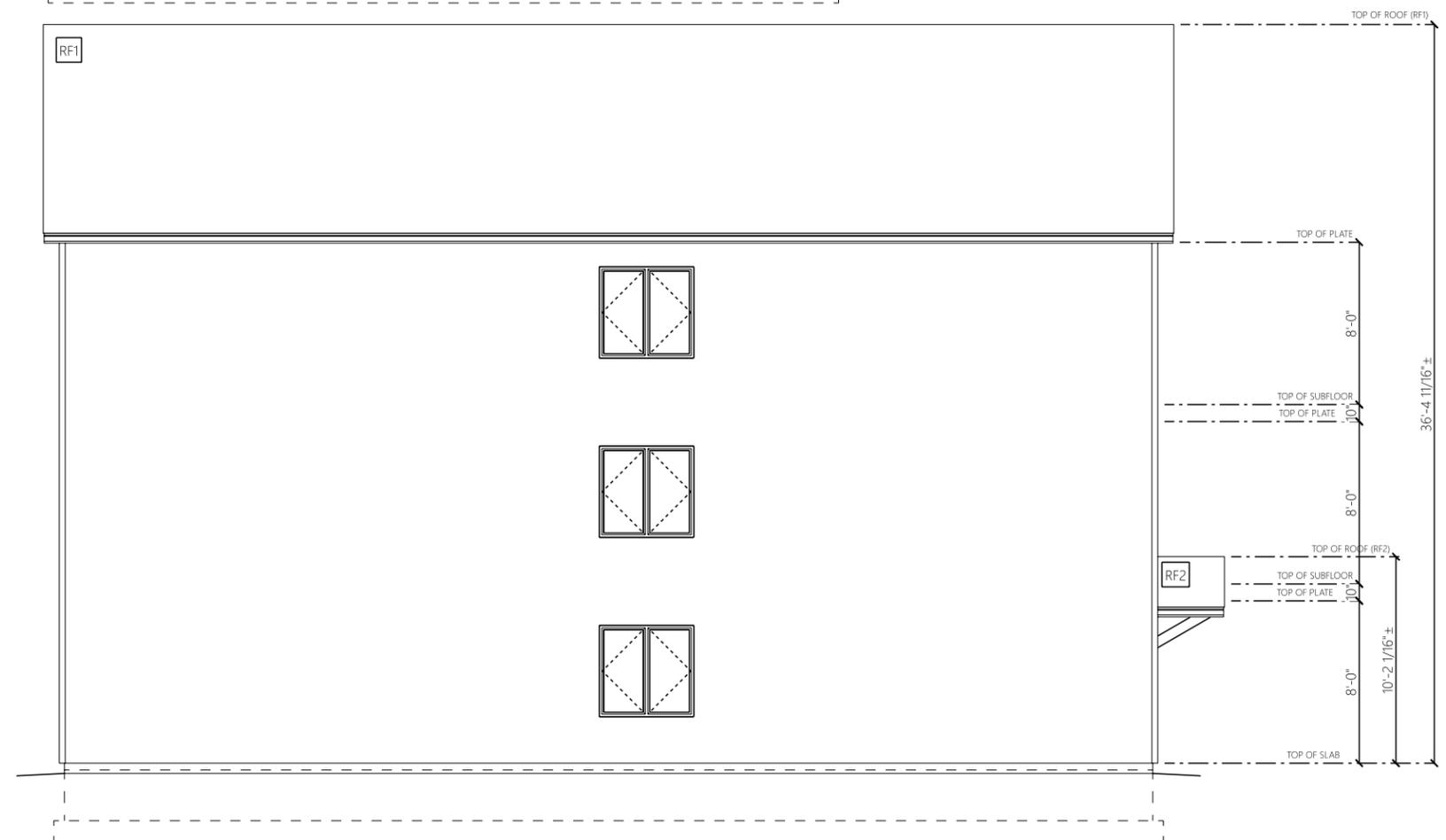
PROPOSED
ROOF PLAN

DATE: 2024-05-03

1. SCALED FOR ANSI B PAPER SIZE



PROPOSED FRONT ELEVATION
 SCALE: 1/8" = 1'-0"



PROPOSED LEFT ELEVATION
 SCALE: 1/8" = 1'-0"

1. SCALED FOR ANSI B PAPER SIZE

DRAFTS:
 DRAFT 1:
 DRAFT 2:
 DRAFT 3:

DRAWN & DESIGNED BY:
 ALICIA OLSCHIEWSKI

CLIENT:
 Greener Project Development Inc.
 PID #55542625

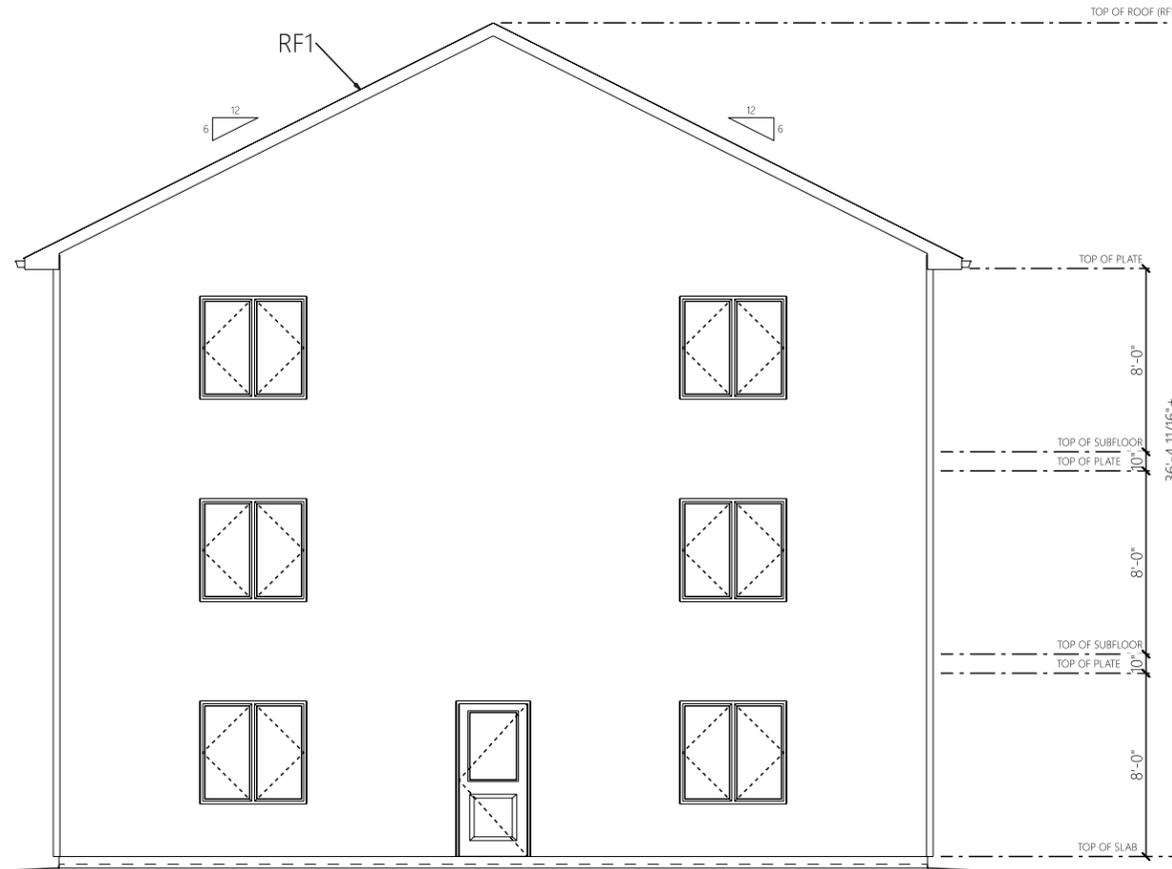
DRAWING NO.: A6

DRAWING NAME:
 PROPOSED FRONT & LEFT EXTERIOR ELEVATIONS

DATE: 2024-05-03

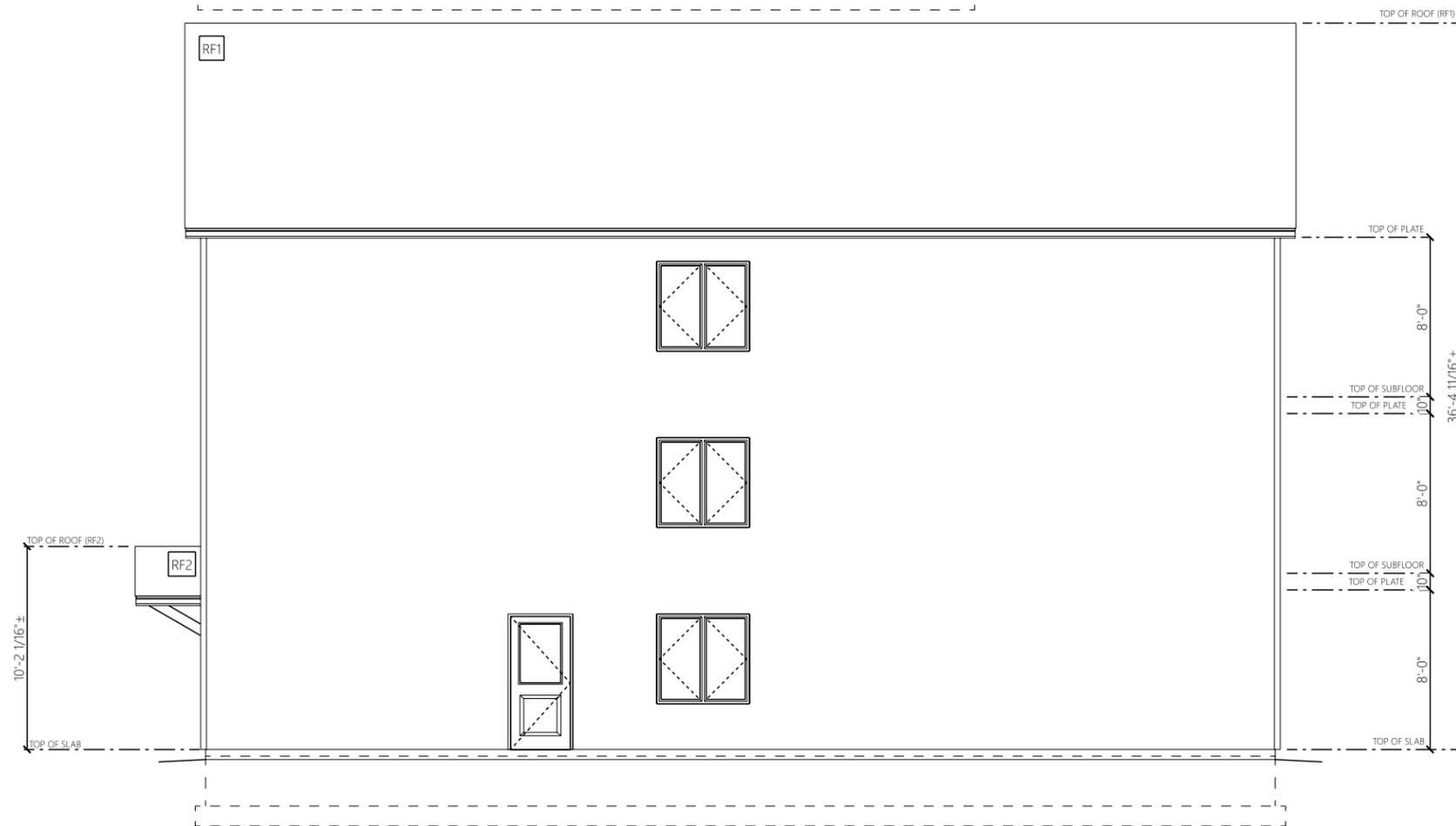
PROPOSED REAR ELEVATION

SCALE: 1/8" = 1'-0"



PROPOSED RIGHT ELEVATION

SCALE: 1/8" = 1'-0"



DRAFTS:

DRAFT 1:
DRAFT 2:
DRAFT 3:

DRAWN & DESIGNED BY:
ALICIA OLSCHIEWSKI

CLIENT:
Greener Project
Development Inc.
PID #55542625

DRAWING NO. **A7**

DRAWING NAME:
PROPOSED FRONT
& LEFT EXTERIOR
ELEVATIONS

DATE: 2024-05-03

1. SCALED FOR ANSI B PAPER SIZE

ROOF ASSEMBLIES

PRE-ENGINEERED RAISED HEEL TRUSS (RF1)

ASPHALT SHINGLES, 6/12 PITCH UNDERLAY, PER MANUFACTURE
 15/32" OSB SUPERROOF SHEATHING
 PRE-ENGINEERED TRUSSES, TO BE COMPLETED BY TRUSS ENGINEER
 R50 BATT INSULATION
 C/W AIRSPACE, PER CODE
 6mil POLY VAPOUR BARRIER
 1X3 STRAPPING
 1/2" GYPSUM DRYWALL

HAND FRAMED ON SITE (RF2)

ASPHALT SHINGLES, 6/12 PITCH UNDERLAY, PER MANUFACTURE
 RAFTERS FASTENED ON BEAMS, TBC BY CONTRACTOR, TO BE FASTENED PER CODE
 FINISHED TONGUE & GROOVE WOOD

**ROOFS TO HAVE VENTING AT GABLE ENDS, RIDGE BEAMS AND SOFFITS, PER CODE

CONCRETE SLAB ASSEMBLIES

SHALLOW ICF FROST WALL 18"-36" BELOW GRADE (FW1)

8" ICF CORE C/W HORIZ./VERT. REINFORCEMENT, PER MANUFACTURER
 18"-36" BELOW GRADE, TBC BY ENGINEER, C/W WATERPROOFING & CONTINUOUS CONCRETE STRIP FOOTING ON UNDISTURBED SOIL, PER CODE
 INSTALLED PER MANUFACTURER, PER CODE
 FOOTING TO HAVE DRAINAGE AT PERIMETER, PER CODE

MIN. 3" ENGINEERED CONCRETE SLAB C/W SHALLOW ICF FROST WALL (FL1)

FINISHED FLOOR TO BE SPECIFIED BY CLIENT
 FLOOR UNDERLAYMENT, AS REQUIRED
 MIN. 3" ENGINEERED CONCRETE SLAB C/W SHALLOW ICF FROST WALL
 18"-36" BELOW GRADE, PROVIDED BY OTHER, PER CODE
 6mil POLY VAPOUR BARRIER
 2" RIGID INSULATION
 COMPACTED GRANULAR FILL

FLOOR ASSEMBLIES

PRE-ENGINEERED FLOOR JOIST (FL2)

FINISHED FLOOR TO BE SPECIFIED BY CLIENT
 FLOOR UNDERLAYMENT, AS REQUIRED
 3/4" SUBFLOOR
 PRE-ENGINEERED FLOOR JOISTS @ 16" O.C.
 W/ BATT INSULATION AT RIM BOARDS
 SOUND INSULATION STC RATING OF 50,
 C/W METAL RESILIENT CHANNELING
 1X3 STRAPPING 16" O.C
 2 - 5/8" TYPE X GYPSUM DRYWALL TAPED & SMOKE TIGHT SEALED

EXTERIOR WALL ASSEMBLIES

2X6 WOOD STUD WALL (EW1)

VINYL SIDING
 AIR/WEATHER BARRIER
 WALL SHEATHING
 2X6 STUDS 16" O.C
 R24 BATT INSULATION
 6mil POLY VAPOUR BARRIER
 1/2" GYPSUM DRYWALL

INTERIOR WALL ASSEMBLIES

2X4 WOOD STUD WALL (IW1)

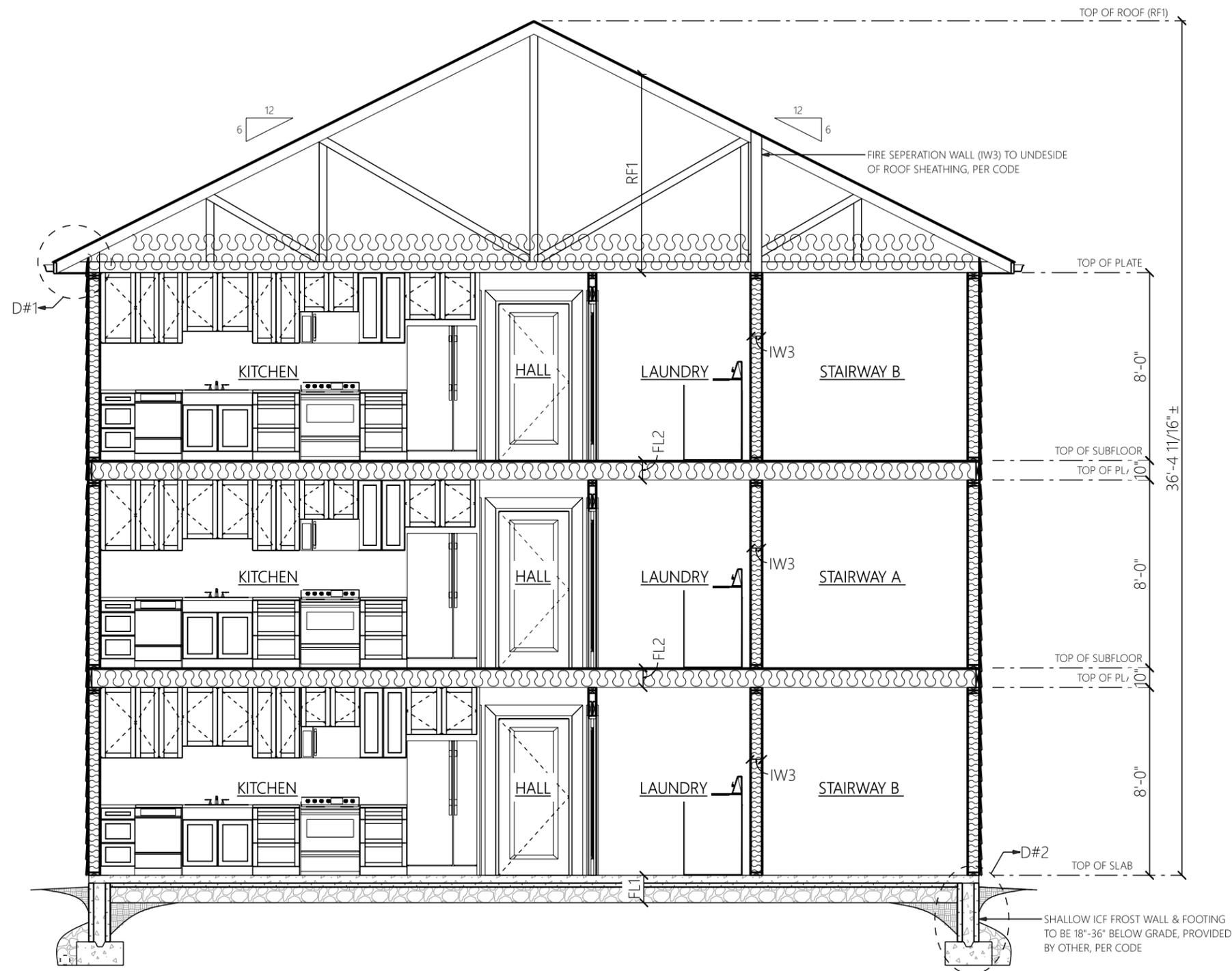
1/2" GYPSUM DRYWALL
 2X4 STUDS 16" O.C
 1/2" GYPSUM DRYWALL

2X6 FIRE RATED WOOD STUD WALL (IW3)

5/8" TYPE X GYPSUM DRYWALL (SMOKE-TIGHT BARRIER)
 2X6 STUDS 16" O.C
 SOUND INSULATION STC RATING OF 50, PER CODE
 C/W METAL RESILIENT CHANNELING, PER CODE
 R24 BATT INSULATION
 5/8" TYPE X GYPSUM DRYWALL (SMOKE-TIGHT BARRIER)

2X6 WOOD STUD PLUMBING WALL (IW2)

1/2" GYPSUM DRYWALL
 2X6 STUDS 16" O.C
 1/2" GYPSUM DRYWALL



CROSS SECTION A
 SCALE: 3/16" = 1'-0"

1" SCALED FOR ANSI B PAPER SIZE

DRAFTS:
 DRAFT 1:
 DRAFT 2:
 DRAFT 3:

DRAWN & DESIGNED BY:
 ALICIA OLSCHIEWSKI
 CLIENT:
 Greener Project Development Inc.
 PID #55542625

DRAWING NO. **A8**

DRAWING NAME:
 BUILDING SECTION A & NOTES

DATE: 2024-05-03

ROOF ASSEMBLIES

PRE-ENGINEERED RAISED HEEL TRUSS (RF1)	HAND FRAMED ON SITE (RF2)
ASPHALT SHINGLES, 6/12 PITCH UNDERLAY, PER MANUFACTURE	ASPHALT SHINGLES, 6/12 PITCH UNDERLAY, PER MANUFACTURE
15/32" OSB SUPERROOF SHEATHING	RAFTERS FASTENED ON BEAMS, TBC BY CONTRACTOR
PRE-ENGINEERED TRUSSES, TO BE COMPLETED BY TRUSS ENGINEER	TO BE FASTENED PER CODE
R50 BATT INSULATION	FINISHED TONGUE & GROOVE WOOD
C/W AIRSPACE, PER CODE	
6mil POLY VAPOUR BARRIER	
1X3 STRAPPING	**ROOFS TO HAVE VENTING AT GABLE ENDS, RIDGE BEAMS AND SOFFITS, PER CODE
1/2" GYPSUM DRYWALL	

CONCRETE SLAB ASSEMBLIES

SHALLOW ICF FROST WALL 18"-36" BELOW GRADE (FW1)	MIN. 3" ENGINEERED CONCRETE SLAB C/W SHALLOW ICF FROST WALL (FL1)
8" ICF CORE C/W HORIZ./VERT. REINFORCEMENT, PER MANUFACTURER	FINISHED FLOOR TO BE SPECIFIED BY CLIENT
18"-36" BELOW GRADE, TBC BY ENGINEER, C/W WATERPROOFING & CONTINUOUS CONCRETE STRIP FOOTING ON UNDISTURBED SOIL, PER CODE	FLOOR UNDERLAYMENT, AS REQUIRED
INSTALLED PER MANUFACTURER, PER CODE	MIN. 3" ENGINEERED CONCRETE SLAB C/W SHALLOW ICF FROST WALL
FOOTING TO HAVE DRAINAGE AT PERIMETER, PER CODE	18"-36" BELOW GRADE, PROVIDED BY OTHER, PER CODE
	6mil POLY VAPOUR BARRIER
	2" RIGID INSULATION
	COMPACTED GRANULAR FILL

FLOOR ASSEMBLIES

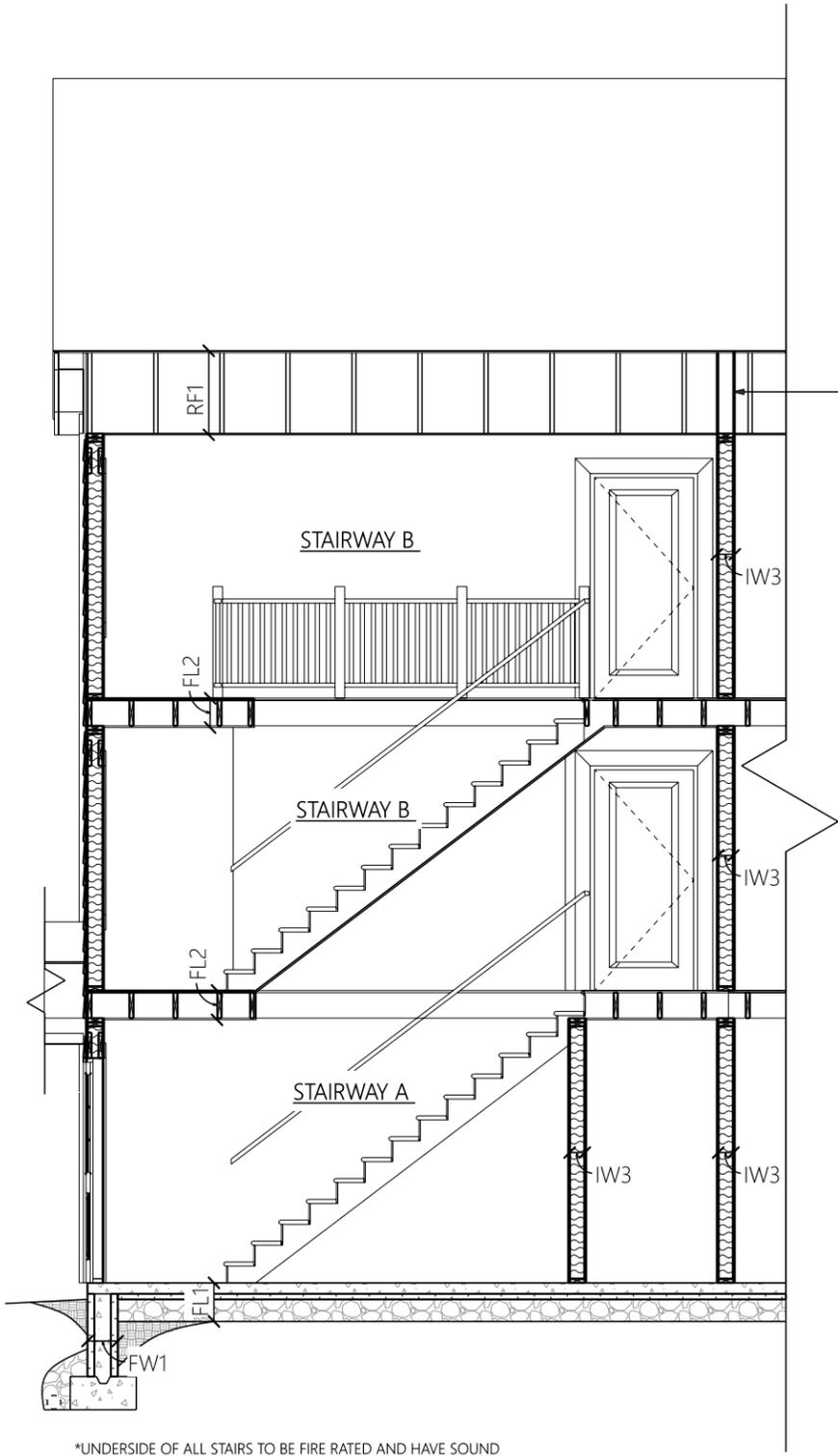
PRE-ENGINEERED FLOOR JOIST (FL2)
FINISHED FLOOR TO BE SPECIFIED BY CLIENT
FLOOR UNDERLAYMENT, AS REQUIRED
3/4" SUBFLOOR
PRE-ENGINEERED FLOOR JOISTS @ 16" O.C.
W/ BATT INSULATION AT RIM BOARDS
SOUND INSULATION STC RATING OF 50,
C/W METAL RESILIENT CHANNELING
1X3 STRAPPING 16" O.C
2 - 5/8" TYPE X GYPSUM DRYWALL TAPED & SMOKE TIGHT SEALED

EXTERIOR WALL ASSEMBLIES

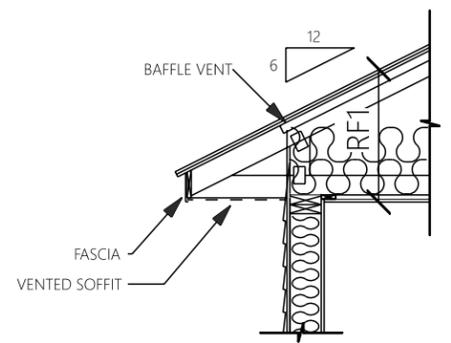
2X6 WOOD STUD WALL (EW1)
VINYL SIDING
AIR/WEATHER BARRIER
WALL SHEATHING
2X6 STUDS 16" O.C
R24 BATT INSULATION
6mil POLY VAPOUR BARRIER
1/2" GYPSUM DRYWALL

INTERIOR WALL ASSEMBLIES

2X4 WOOD STUD WALL (IW1)	2X6 FIRE RATED WOOD STUD WALL (IW3)
1/2" GYPSUM DRYWALL	5/8" TYPE X GYPSUM DRYWALL (SMOKE-TIGHT BARRIER)
2X4 STUDS 16" O.C	2X6 STUDS 16" O.C
1/2" GYPSUM DRYWALL	SOUND INSULATION STC RATING OF 50, PER CODE
	C/W METAL RESILIENT CHANNELING, PER CODE
	R24 BATT INSULATION
	5/8" TYPE X GYPSUM DRYWALL (SMOKE-TIGHT BARRIER)

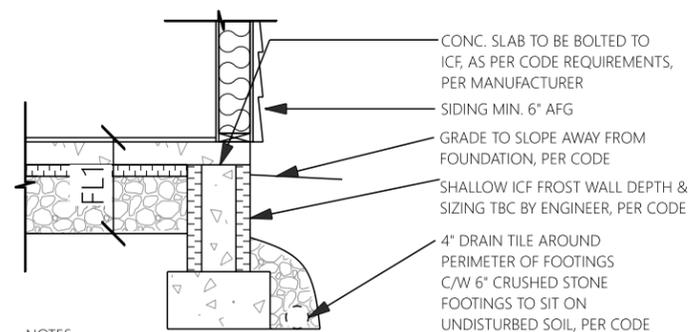


FIRE SEPERATION WALL TO EXTEND TO UNDERSIDE OF ROOF SHEATHING



NOTE:
ROOF VENTED AT RIDGE BEAM, SOFFIT, AND GABLE END, PER CODE

D#1
SCALE: 3/8" = 1'-0"



NOTES:
GEOTECHNICAL ENGINEER AS REQUIRED FOR BACKFILL, PER CODE
SHALLOW ICF FROST WALL TO BE PROVIDED & INSTALLED BY MANUFACTURER, PER CODE

D#2
SCALE: 3/8" = 1'-0"

*UNDERSIDE OF ALL STAIRS TO BE FIRE RATED AND HAVE SOUND INSULATION STC RATING OF 50, C/W METAL RESILIENT CHANNELING, 2 - 5/8" TYPE X GYPSUM DRYWALL, TAPED & SMOKE TIGHT SEALED, PER CODE

B
13 III
CROSS SECTION B
SCALE: 3/16" = 1'-0"

1. SCALED FOR ANSI B PAPER SIZE

DRAFTS:
 DRAFT 1:
 DRAFT 2:
 DRAFT 3:

DRAWN & DESIGNED BY:
 ALICIA OLSCHIEWSKI

CLIENT:
 Greener Project Development Inc.
 PID #5542625

DRAWING NO.: A9

DRAWING NAME:
 BUILDING SECTION B, BUILDING DETAILS & NOTES

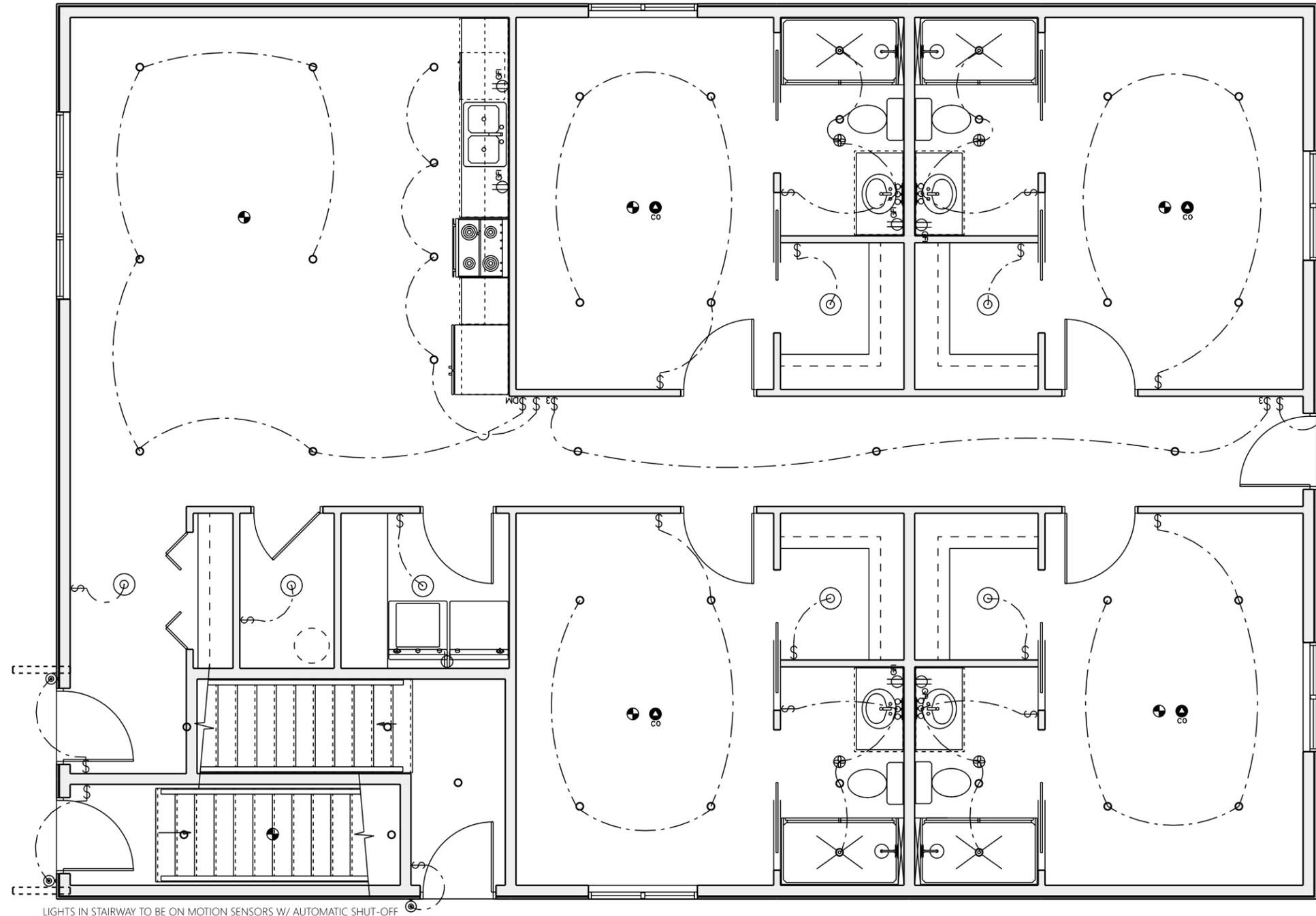
DATE: 2024-05-03

ELECTRICAL LEGEND

- ⊙ FLUSHMOUNT LIGHT FIXTURE
- 4" RECESSED POTLIGHT
- ⊕ WALL MOUNTED VANITY LIGHT
- ⊙ EXTERIOR WALL MOUNT LIGHT
- ⌚ 3 WAY SWITCH
- ⌚ SINGLE SWITCH
- ⌚_{DM} SINGLE SWITCH-DIMMER
- ⌚_{GFI} GFI OUTLET
- ⌚ 220V OUTLET
- ⊙ INTERCONNECTED SMOKE ALARM
- ⊙ INTERCONNECTED CO2 ALARM
- ⊕ BATHROOM EXHAUST FAN

ELECTRICAL LEGEND

**THESE ELECTRICAL PLANS ARE TO BE USED TO COMMUNICATE CLIENT DESIGN AND DIRECTION AND DOES NOT REPLACE THE REQUIRED MECHANICAL OR ELECTRICAL CODES REQUIRED
 **ELECTRICAL AND MECHANICAL TO BE INSTALLED, PER CODE
 **ALL LIGHTING TO BE SPACED EVELY WITHIN THEIR SPACES. LOCATIONS AND SELECTIONS TO BE CONFIRMED WITH CLIENT PRIOR TO INSTALL
 **SMOKE AND CO2 DETECTORS TO BE WIRED AND INTERCONNECTED, PER CODE



MECHANICAL & ELECTRICAL DESIGN PLAN

SCALE: 3/16" = 1'-0"

DRAFTS:
 DRAFT 1:
 DRAFT 2:
 DRAFT 3:

DRAWN & DESIGNED BY:
 ALICIA OLSCHIEWSKI
 CLIENT:
 Greener Project Development Inc.
 PID #55542625

DRAWING NO. A10

DRAWING NAME:
 MECHANICAL & ELECTRICAL MF DESIGN PLAN

DATE: 2024-05-03

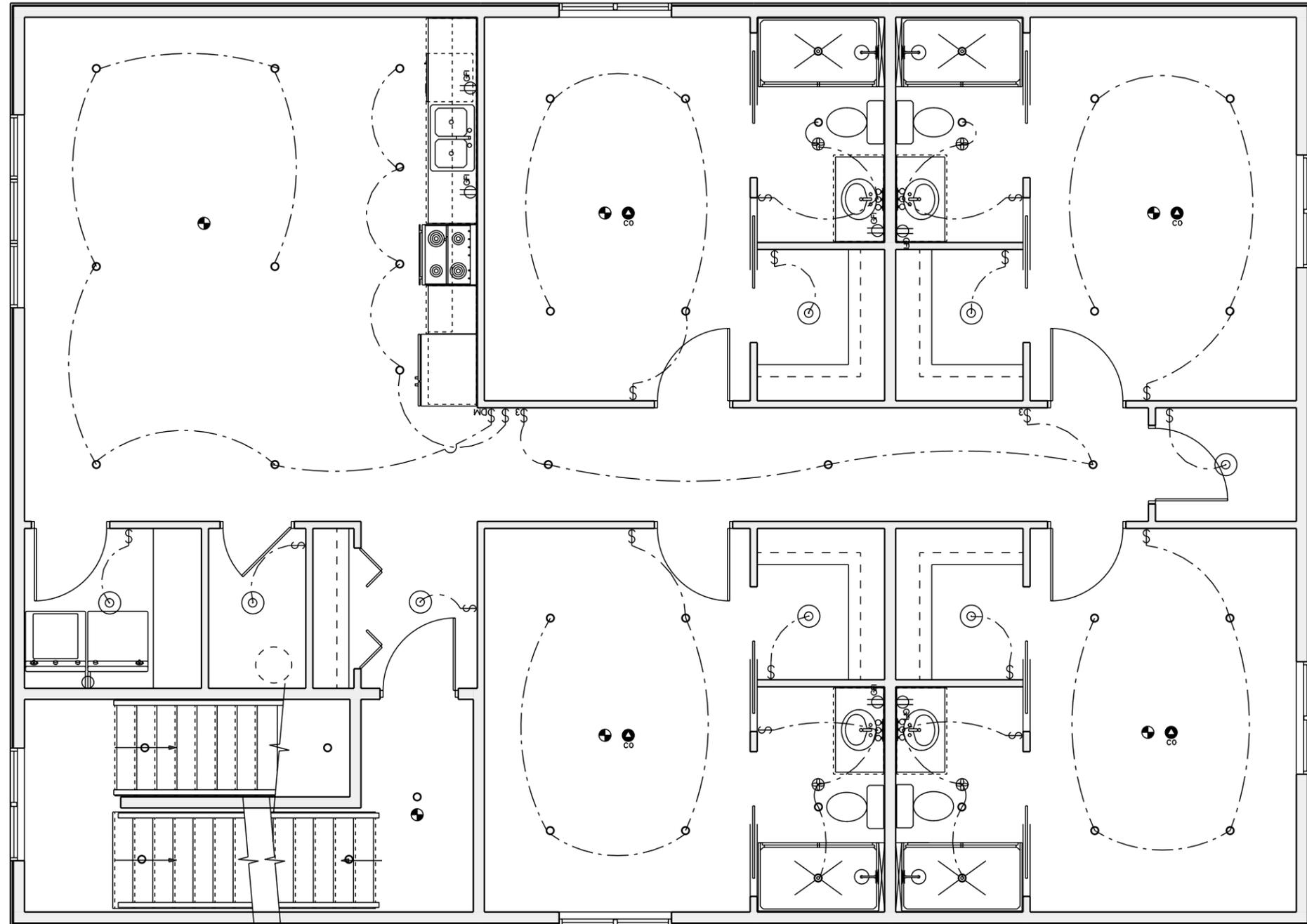
1. SCALED FOR ANSI B PAPER SIZE

ELECTRICAL LEGEND

- ⊙ FLUSHMOUNT LIGHT FIXTURE
- 4" RECESSED POTLIGHT
- ⊕ WALL MOUNTED VANITY LIGHT
- ⊙ EXTERIOR WALL MOUNT LIGHT
- § 3 WAY SWITCH
- § SINGLE SWITCH
- §_{DM} SINGLE SWITCH-DIMMER
- ⊕ GFI OUTLET
- ⊕ 220V OUTLET
- ⊕ INTERCONNECTED SMOKE ALARM
- ⊕ INTERCONNECTED CO2 ALARM
- ⊕ BATHROOM EXHAUST FAN

ELECTRICAL LEGEND

**THESE ELECTRICAL PLANS ARE TO BE USED TO COMMUNICATE CLIENT DESIGN AND DIRECTION AND DOES NOT REPLACE THE REQUIRED MECHANICAL OR ELECTRICAL CODES REQUIRED
 **ELECTRICAL AND MECHANICAL TO BE INSTALLED, PER CODE
 **ALL LIGHTING TO BE SPACED EVELY WITHIN THEIR SPACES.
 LOCATIONS AND SELECTIONS TO BE CONFIRMED WITH CLIENT PRIOR TO INSTALL
 **SMOKE AND CO2 DETECTORS TO BE WIRED AND INTERCONNECTED, PER CODE



LIGHTS IN STAIRWAY TO BE ON MOTION SENSORS W/ AUTOMATIC SHUT-OFF

MECHANICAL & ELECTRICAL SF & TF DESIGN PLAN

SCALE: 3/16" = 1'-0"

DRAFTS:

DRAFT 1:
 DRAFT 2:
 DRAFT 3:

DRAWN & DESIGNED BY:
 ALICIA OLSCHIEWSKI

CLIENT:
 Greener Project
 Development Inc.
 PID #55542625

DRAWING NO. **A11**

DRAWING NAME:
 MECHANICAL
 & ELECTRICAL SF & TF
 DESIGN PLAN

DATE: 2024-05-03

1. SCALED FOR ANSI B PAPER SIZE