

HINESBURG PUBLIC SAFETY FACILITY SCHEMATIC DESIGN SET



CODE REVIEW

Governing Building Codes:

Vermont Fire & Building Safety Code - 2012: The Vermont Fire & Building Safety Code has been updated effective November 5, 2012. The primary codes adopted include:

- The Uniform Fire Code, NFPA 1, the 2012 edition
- The Life Safety Code, NFPA 101, the 2012 edition
- The International Building Code, IBC, the 2012 edition
- The National Board Inspection Code, National Board of Boiler & Pressure Vessel Inspectors, 2004

Other major codes & standards include (but not limited to):

- Standard for Portable Fire Extinguishers, NFPA 10, 2012 edition
- Standard for the Installation of Sprinkler Systems, NFPA 13, 2012 edition
- Flammable and Combustible Liquids Code, NFPA 30, 2012 edition
- Standard for the Installation of Oil-Burning Equipment, NFPA 31, 2012 edition
- National Fuel Gas Code, NFPA 54, 2012 edition
- Liquid Petroleum Gas Code, NFPA 58, 2012 edition
- National Electrical Code, NFPA 70, 2012 edition
- National Fire Alarm Code, NFPA 72, 2012 edition
- Standard for the Installation of Air-Conditioning and Ventilating Systems, NFPA 90A, 2012 edition
- International Energy Conservation Code replaced by Vermont Energy Code which is 2000 IECC with amendments to incorporate and exceed ASHRAE/IESNA 90.1-1999.
- Vermont Access Rules effective May 2007 which amends Americans with Disabilities Accessibility Guidelines (ADAAG) as printed July 26, 1991.

Project Description and Scope:

DRAWING LIST

A-1.0	COVER
C-1.0	SITE PLAN
L-1.0	MASTER PLAN
A-2.1	PD FLOOR PLANS
A-2.2	PD ROOF PLAN
A-4.1	PD ELEVATIONS
A-5.1	PD BUILDING SECTIONS
A-2.1	FD FLOOR PLANS
A-2.2	FD ROOF PLANS
A-4.1	FD ELEVATIONS
A-5.1	FD BUILDING SECTIONS
A-5.2	FD BUILDING SECTIONS

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HINESBURG
PUBLIC SAFETY
FACILITY

Main Street, Route 116
Hinesburg, Vermont

COVER

A-1.0



DATE ISSUED: 5/3/13

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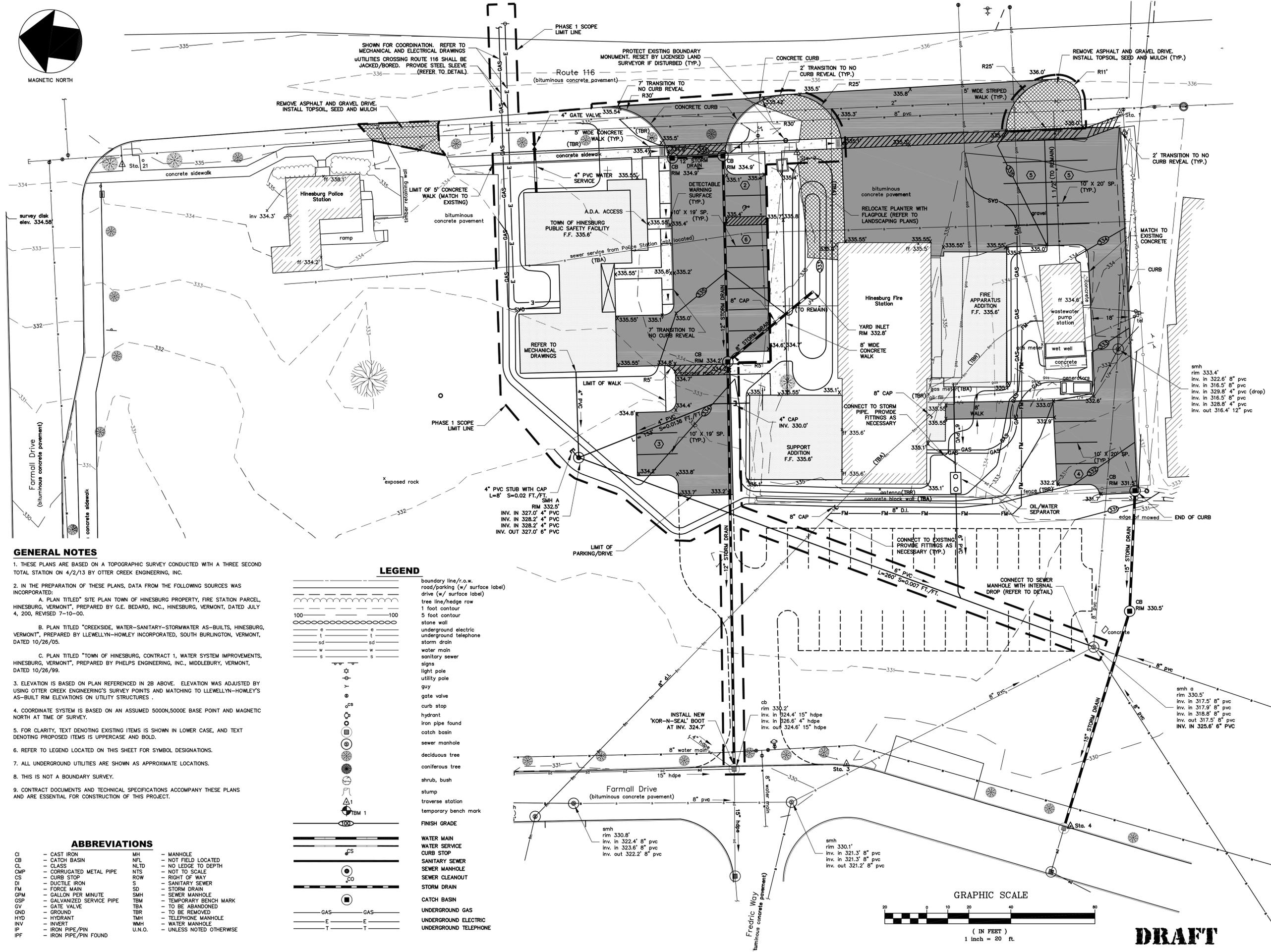
REVISIONS:

HINESBURG PUBLIC SAFETY FACILITY

Main Street, Route 116
Hinesburg, Vermont

SITE PLAN

C-1.0



GENERAL NOTES

- THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY CONDUCTED WITH A THREE SECOND TOTAL STATION ON 4/2/13 BY OTTER CREEK ENGINEERING, INC.
- IN THE PREPARATION OF THESE PLANS, DATA FROM THE FOLLOWING SOURCES WAS INCORPORATED:
 - A. PLAN TITLED "SITE PLAN TOWN OF HINESBURG PROPERTY, FIRE STATION PARCEL, HINESBURG, VERMONT", PREPARED BY G.E. BEDARD, INC., HINESBURG, VERMONT, DATED JULY 4, 200, REVISED 7-10-00.
 - B. PLAN TITLED "CREKESIDE, WATER-SANITARY-STORMWATER AS-BUILTS, HINESBURG, VERMONT", PREPARED BY LLEWELLYN-HOWLEY INCORPORATED, SOUTH BURLINGTON, VERMONT, DATED 10/26/05.
 - C. PLAN TITLED "TOWN OF HINESBURG, CONTRACT 1, WATER SYSTEM IMPROVEMENTS, HINESBURG, VERMONT", PREPARED BY PHELPS ENGINEERING, INC., MIDDLEBURY, VERMONT, DATED 10/26/99.
- ELEVATION IS BASED ON PLAN REFERENCED IN 2B ABOVE. ELEVATION WAS ADJUSTED BY USING OTTER CREEK ENGINEERING'S SURVEY POINTS AND MATCHING TO LLEWELLYN-HOWLEY'S AS-BUILT RIM ELEVATIONS ON UTILITY STRUCTURES.
- COORDINATE SYSTEM IS BASED ON AN ASSUMED 5000N,5000E BASE POINT AND MAGNETIC NORTH AT TIME OF SURVEY.
- FOR CLARITY, TEXT DENOTING EXISTING ITEMS IS SHOWN IN LOWER CASE, AND TEXT DENOTING PROPOSED ITEMS IS UPPER CASE AND BOLD.
- REFER TO LEGEND LOCATED ON THIS SHEET FOR SYMBOL DESIGNATIONS.
- ALL UNDERGROUND UTILITIES ARE SHOWN AS APPROXIMATE LOCATIONS.
- THIS IS NOT A BOUNDARY SURVEY.
- CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS ACCOMPANY THESE PLANS AND ARE ESSENTIAL FOR CONSTRUCTION OF THIS PROJECT.

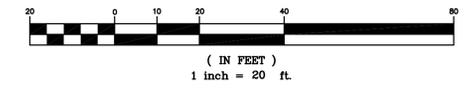
LEGEND

	boundary line (r.o.w.)
	road/parking (w/ surface label)
	drive (w/ surface label)
	tree line/hedge row
	1 foot contour
	5 foot contour
	stone wall
	underground electric
	underground telephone
	storm drain
	water main
	sanitary sewer
	signs
	light pole
	utility pole
	guy
	gate valve
	curb stop
	hydrant
	iron pipe found
	catch basin
	sewer manhole
	deciduous tree
	coniferous tree
	shrub, bush
	stump
	traverse station
	temporary bench mark
	FINISH GRADE
	WATER MAIN
	WATER SERVICE
	CURB STOP
	SANITARY SEWER
	SEWER MANHOLE
	SEWER CLEANOUT
	STORM DRAIN
	CATCH BASIN
	UNDERGROUND GAS
	UNDERGROUND ELECTRIC
	UNDERGROUND TELEPHONE

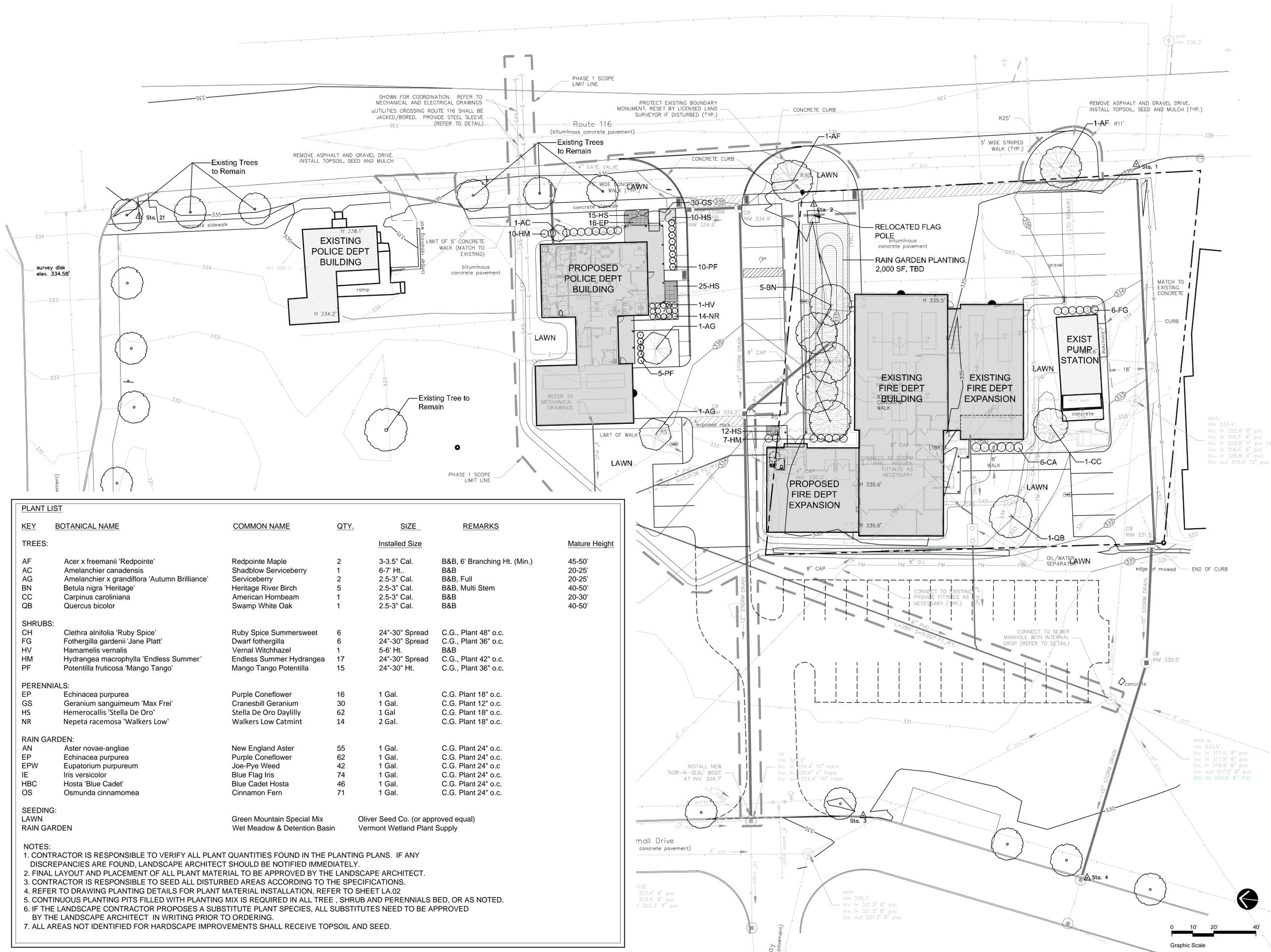
ABBREVIATIONS

CI	CAST IRON	MH	MANHOLE
CB	CATCH BASIN	NFL	NOT FIELD LOCATED
CL	CLASS	NLTD	NO LEDGE TO DEPTH
CMP	CORRUGATED METAL PIPE	NTS	NOT TO SCALE
CS	CURB STOP	ROW	RIGHT OF WAY
DI	DUCTILE IRON	S	SANITARY SEWER
FM	FORCE MAIN	SD	STORM DRAIN
GPM	GALLON PER MINUTE	SMH	SEWER MANHOLE
GSP	GALVANIZED SERVICE PIPE	TBM	TEMPORARY BENCH MARK
GV	GATE VALVE	TBA	TO BE ABANDONED
GND	GROUND	TBR	TO BE REMOVED
HYD	HYDRANT	TMH	TELEPHONE MANHOLE
INV	INVERT	WMH	WATER MANHOLE
IP	IRON PIPE/PIN	U.N.O.	UNLESS NOTED OTHERWISE
IPF	IRON PIPE/PIN FOUND		

GRAPHIC SCALE



DRAFT



PLANT LIST					
KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
TREES:					
				<u>Installed Size</u>	<u>Mature Height</u>
AF	Acer x freemanii 'Redpointe'	Redpointe Maple	2	3-3.5" Cal.	B&B, 6' Branching Ht. (Min.)
AC	Amelanchier canadensis	Shadblow Serviceberry	1	6-7' Ht.	B&B
AG	Amelanchier x grandiflora 'Autumn Brilliance'	Serviceberry	2	2.5-3" Cal.	B&B, Full
BN	Betula nigra 'Heritage'	Heritage River Birch	5	2.5-3" Cal.	B&B, Multi Stem
CC	Carpinus caroliniana	American Hornbeam	1	2.5-3" Cal.	B&B
QB	Quercus bicolor	Swamp White Oak	1	2.5-3" Cal.	B&B
SHRUBS:					
CH	Clethra alnifolia 'Ruby Spice'	Ruby Spice Summersweet	6	24"-30" Spread	C.G., Plant 48" o.c.
FG	Fothergilla gardenii 'Jane Platt'	Dwarf fothergilla	6	24"-30" Spread	C.G., Plant 36" o.c.
HV	Hamamelis vernalis	Vernal Witchhazel	1	5-6' Ht.	B&B
HM	Hydrangea macrophylla 'Endless Summer'	Endless Summer Hydrangea	17	24"-30" Spread	C.G., Plant 42" o.c.
PF	Potentilla fruticosa 'Mango Tango'	Mango Tango Potentilla	15	24"-30" Ht.	C.G., Plant 36" o.c.
PERENNIALS:					
EP	Echinacea purpurea	Purple Coneflower	16	1 Gal.	C.G. Plant 18" o.c.
GS	Geranium sanguineum 'Max Frei'	Cranesbill Geranium	30	1 Gal.	C.G. Plant 12" o.c.
HS	Hemerocallis 'Stella De Oro'	Stella De Oro Daylily	62	1 Gal.	C.G. Plant 18" o.c.
NR	Nepeta racemosa 'Walkers Low'	Walkers Low Catmint	14	2 Gal.	C.G. Plant 18" o.c.
RAIN GARDEN:					
AN	Aster novae-angliae	New England Aster	55	1 Gal.	C.G. Plant 24" o.c.
EP	Echinacea purpurea	Purple Coneflower	62	1 Gal.	C.G. Plant 24" o.c.
EPW	Eupatorium purpureum	Joe-Pye Weed	42	1 Gal.	C.G. Plant 24" o.c.
IE	Iris versicolor	Blue Flag Iris	74	1 Gal.	C.G. Plant 24" o.c.
HBC	Hosta 'Blue Cadet'	Blue Cadet Hosta	46	1 Gal.	C.G. Plant 24" o.c.
OS	Osmunda cinnamomea	Cinnamon Fern	71	1 Gal.	C.G. Plant 24" o.c.
SEEDING:					
LAWN	Green Mountain Special Mix	Oliver Seed Co. (or approved equal)			
RAIN GARDEN	Wet Meadow & Detention Basin	Vermont Wetland Plant Supply			
NOTES:					
1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES FOUND IN THE PLANTING PLANS. IF ANY DISCREPANCIES ARE FOUND, LANDSCAPE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY.					
2. FINAL LAYOUT AND PLACEMENT OF ALL PLANT MATERIAL TO BE APPROVED BY THE LANDSCAPE ARCHITECT.					
3. CONTRACTOR IS RESPONSIBLE TO SEED ALL DISTURBED AREAS ACCORDING TO THE SPECIFICATIONS.					
4. REFER TO DRAWING PLANTING DETAILS FOR PLANT MATERIAL INSTALLATION, REFER TO SHEET LA.02					
5. CONTINUOUS PLANTING PITS FILLED WITH PLANTING MIX IS REQUIRED IN ALL TREE, SHRUB AND PERENNIALS BED, OR AS NOTED.					
6. IF THE LANDSCAPE CONTRACTOR PROPOSES A SUBSTITUTE PLANT SPECIES, ALL SUBSTITUTES NEED TO BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO ORDERING.					
7. ALL AREAS NOT IDENTIFIED FOR HARDSCAPE IMPROVEMENTS SHALL RECEIVE TOPSOIL AND SEED.					



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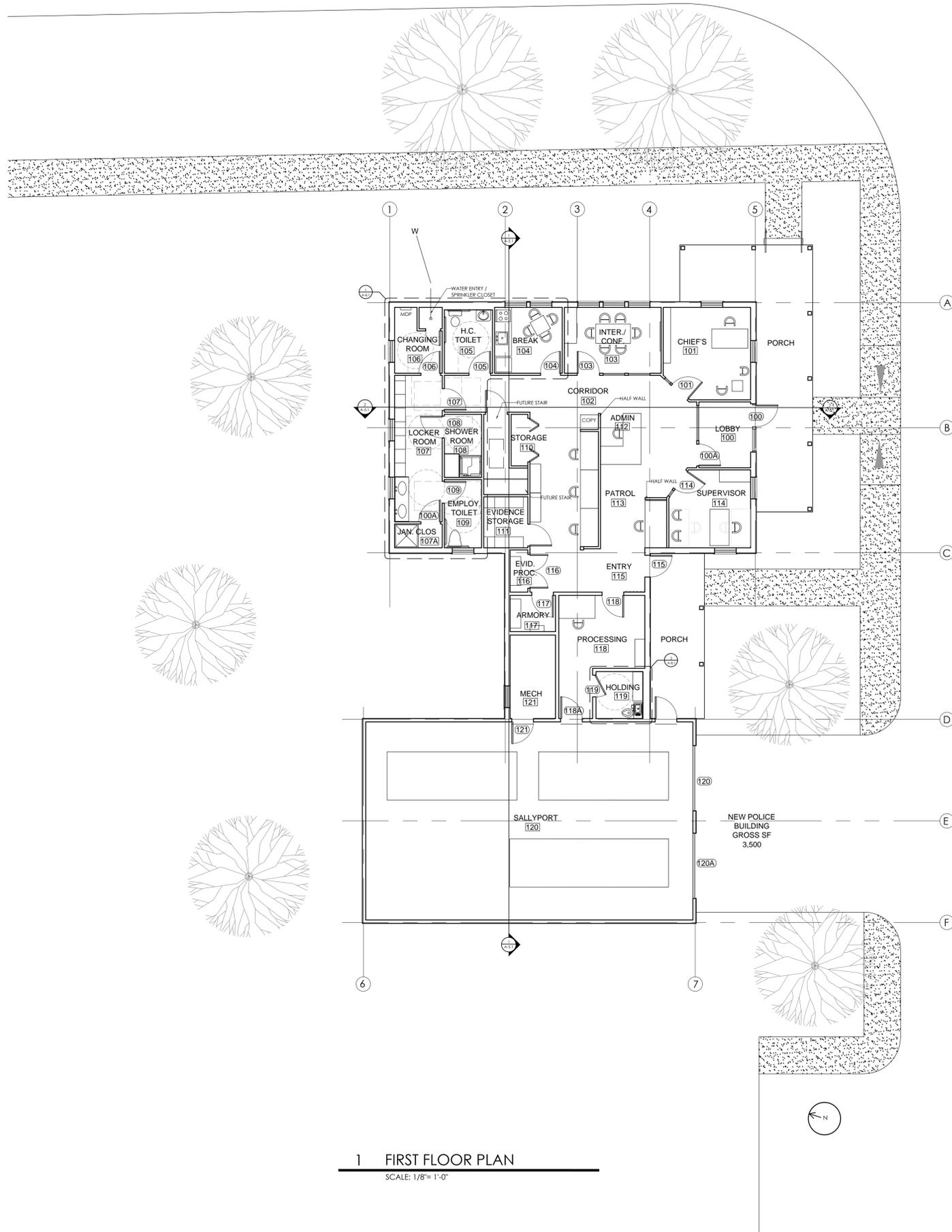
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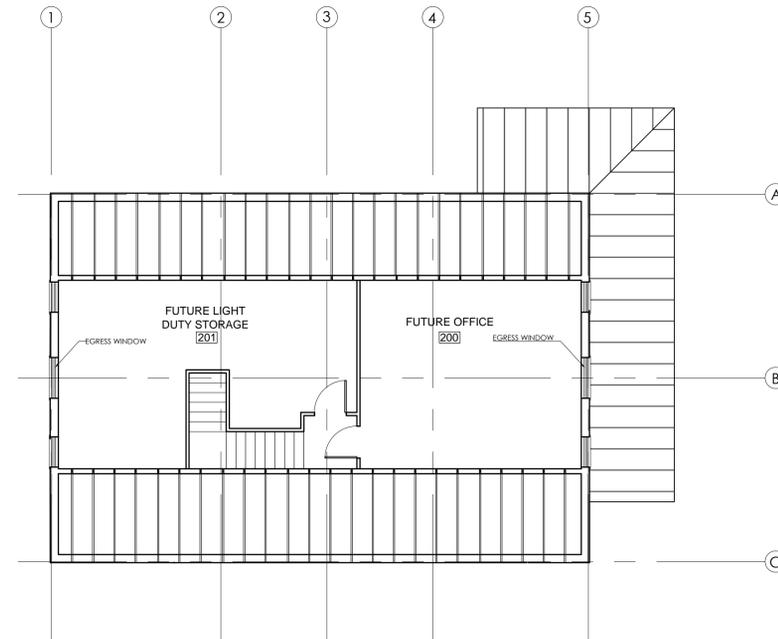
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1 FIRST FLOOR PLAN

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



2 FUTURE SECOND FLOOR PLAN

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

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REVISIONS:

HINESBURG
PUBLIC SAFETY
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Main Street, Route 116
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FLOOR PLANS

A-2.1



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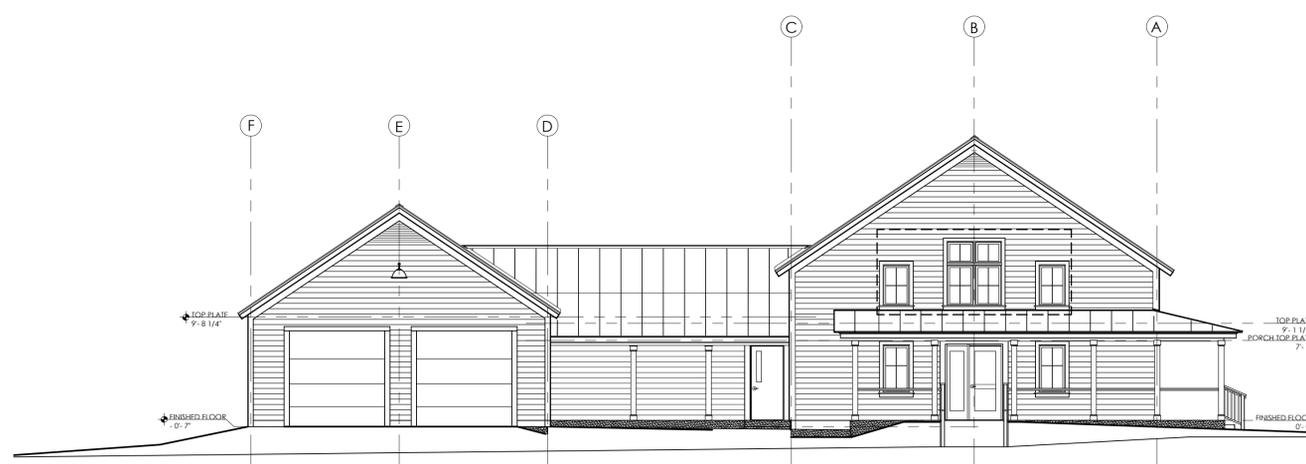
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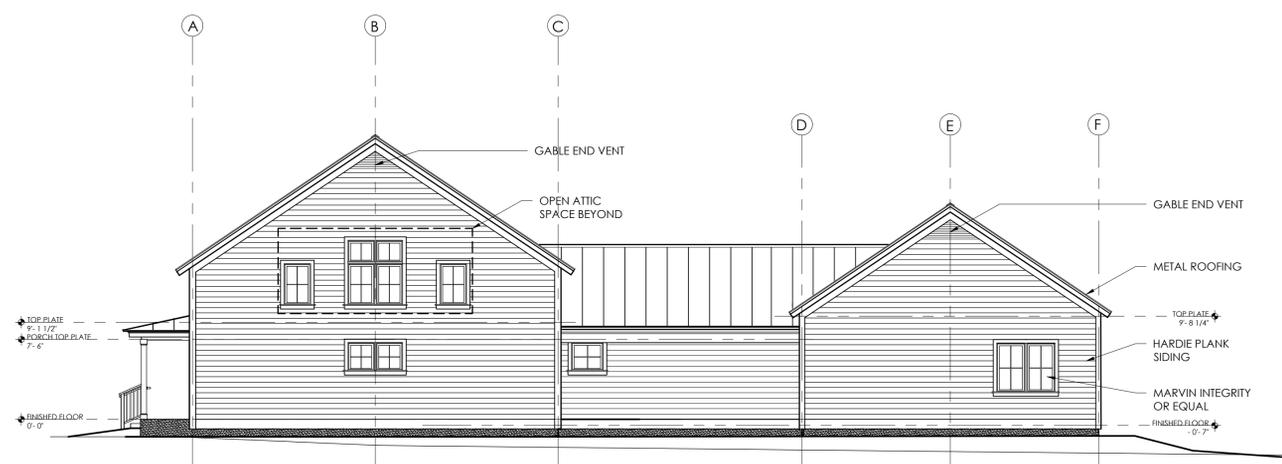
1 PD EAST ELEVATION

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



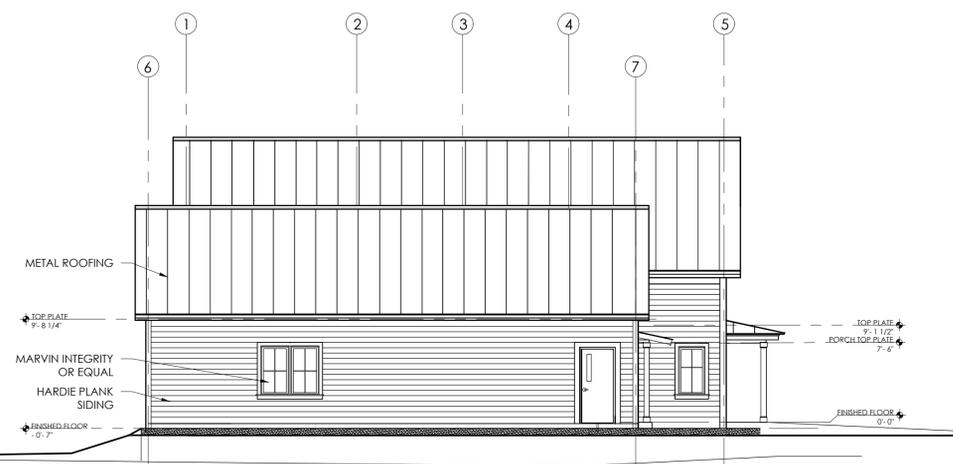
2 PD SOUTH ELEVATION

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



3 PD NORTH ELEVATION

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



4 PD WEST ELEVATION

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

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HINESBURG PUBLIC SAFETY FACILITY

Main Street, Route 116
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ELEVATIONS

A-4.1



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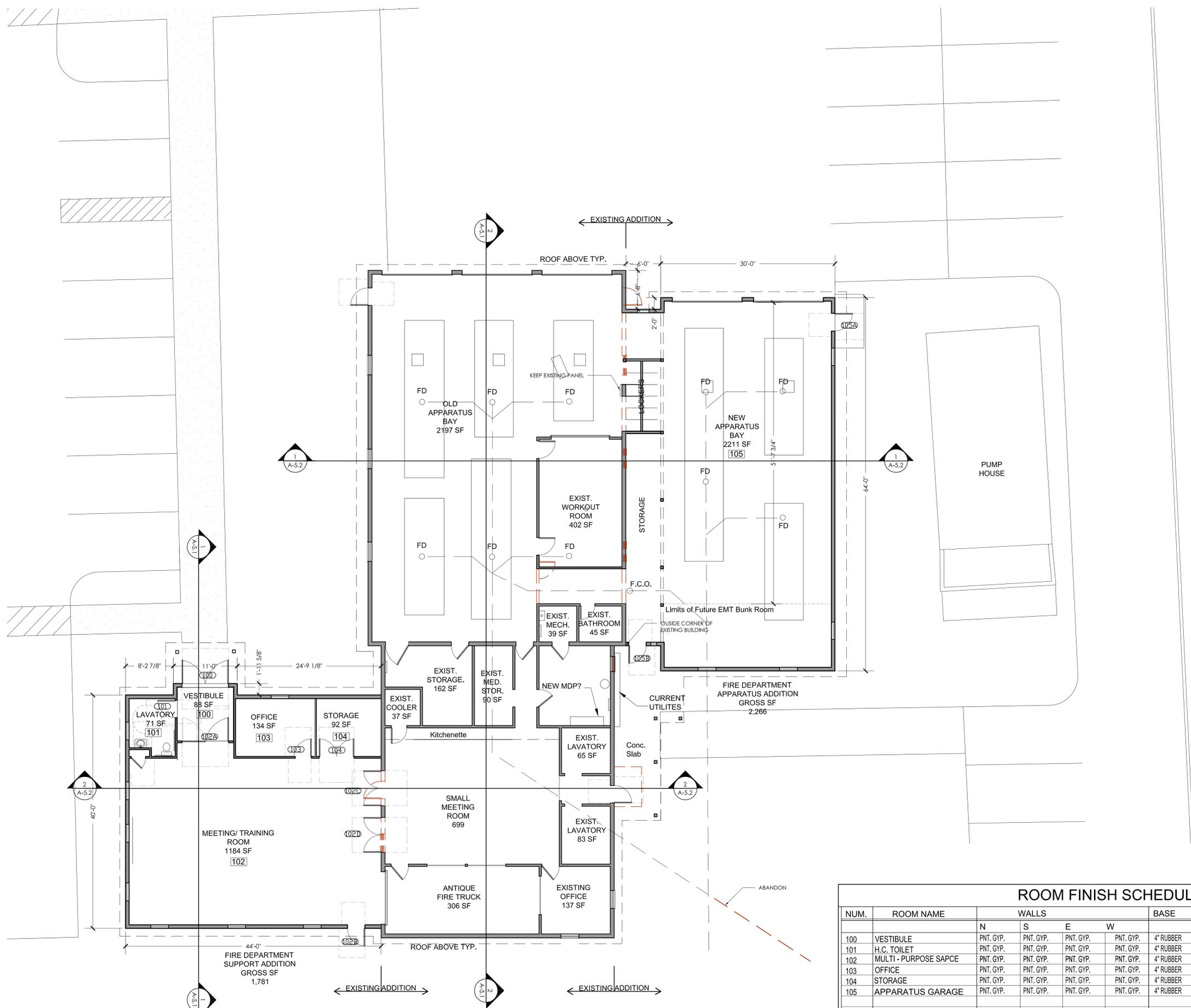
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HINESBURG PUBLIC SAFETY FACILITY

Main Street, Route 116
Hinesburg, Vermont

FLOOR PLANS

A-2.1

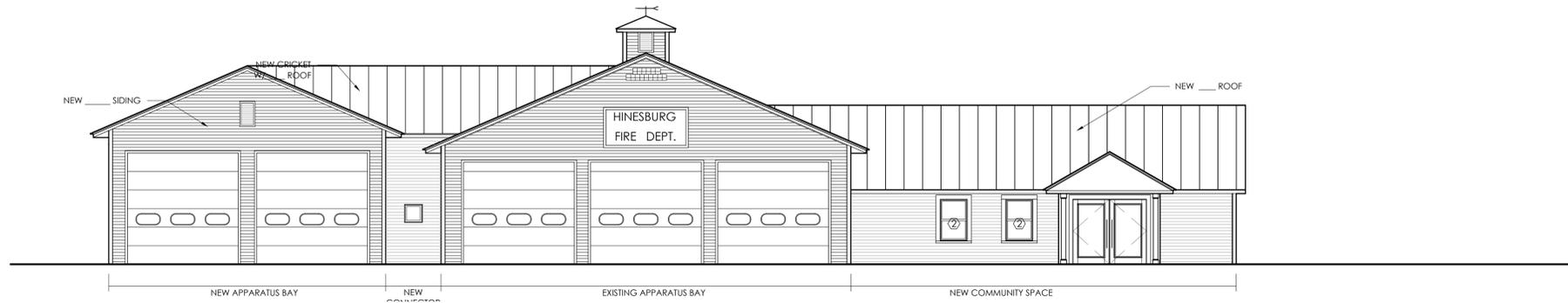


ROOM FINISH SCHEDULE									
NUM.	ROOM NAME	WALLS				BASE	FLOOR	CLG.	REMARKS
		N	S	E	W				
100	VESTIBULE	PNT. GYP.	PNT. GYP.	PNT. GYP.	PNT. GYP.	4" RUBBER	CONCRETE	PNT. GYP.	
101	H.C. TOILET	PNT. GYP.	PNT. GYP.	PNT. GYP.	PNT. GYP.	4" RUBBER	CONCRETE	PNT. GYP.	
102	MULTI - PURPOSE SPC	PNT. GYP.	PNT. GYP.	PNT. GYP.	PNT. GYP.	4" RUBBER	CONCRETE	PNT. GYP.	
103	OFFICE	PNT. GYP.	PNT. GYP.	PNT. GYP.	PNT. GYP.	4" RUBBER	CARPET TILE	PNT. GYP.	
104	STORAGE	PNT. GYP.	PNT. GYP.	PNT. GYP.	PNT. GYP.	4" RUBBER	CONCRETE	PNT. GYP.	
105	APPARATUS GARAGE	PNT. GYP.	PNT. GYP.	PNT. GYP.	PNT. GYP.	4" RUBBER	CONCRETE	PNT. GYP.	

1 FLOOR PLAN - FIRE STATION

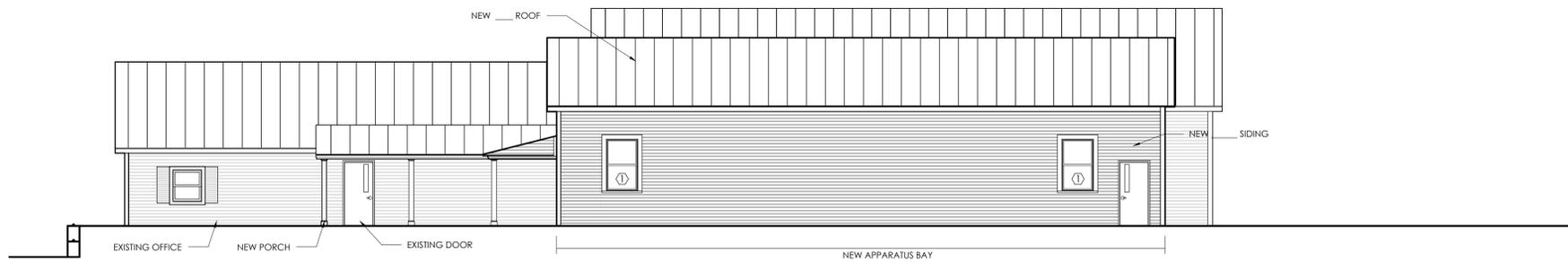
SCALE: 1/8" = 1'-0"





1 EAST ELEVATION

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



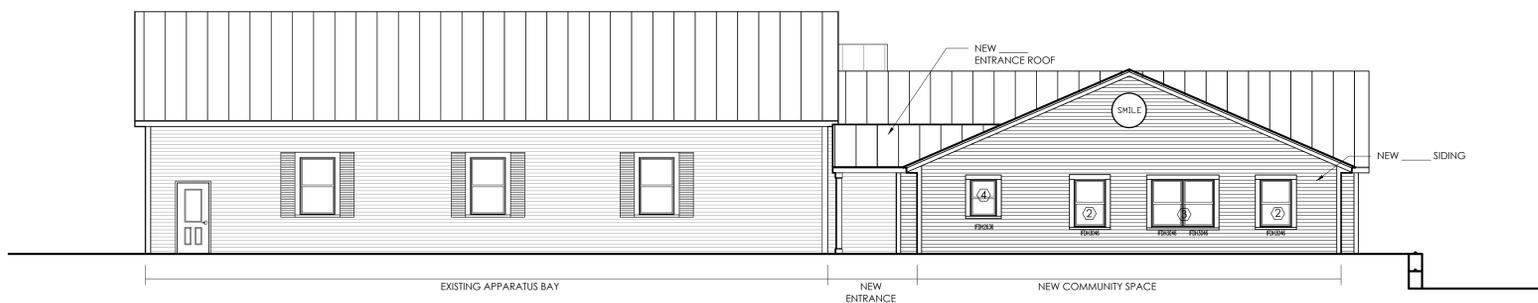
2 SOUTH ELEVATION

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



3 WEST ELEVATION

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



4 NORTH ELEVATION

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

WINDOW SCHEDULE

NUM.	ROOM NAME	WINDOW					GLAZING	REMARKS
		MODEL	UNIT SIZE	R. O.	MATERIAL	COLOR	TYPE	
①		IFDH 2056	3'-11 1/2" x 5'-5 1/2"	4'-0" x 5'-6"	FIBERGLASS	WHITE	DBL. INSUL. LOW-E	SCREENED
②		IFDH 2856	2'-7 1/2" x 5'-5 1/2"	5'-4" x 5'-6"	FIBERGLASS	WHITE	DBL. INSUL. LOW-E	SCREENED
③		IFDH 3656	3'-5 1/2" x 5'-5 1/2"	3'-6" x 5'-6"	FIBERGLASS	WHITE	DBL. INSUL. LOW-E	SCREENED, MULLED UNIT
④		IFAWN 2626	2'-5 1/2" x 2'-5 1/2"	2'-6" x 2'-6"	FIBERGLASS	WHITE	DBL. INSUL. LOW-E	SCREENED

NOTES:
1. WINDOWS TO BE INTEGRITY FROM MARVIN ULTREX SERIES