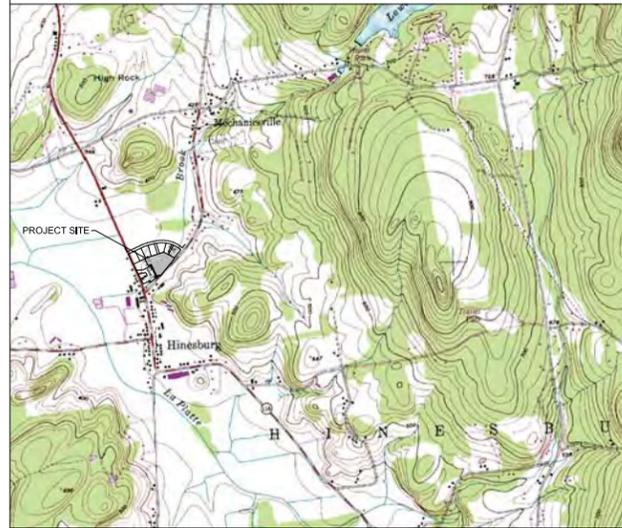


LOCATION PLAN

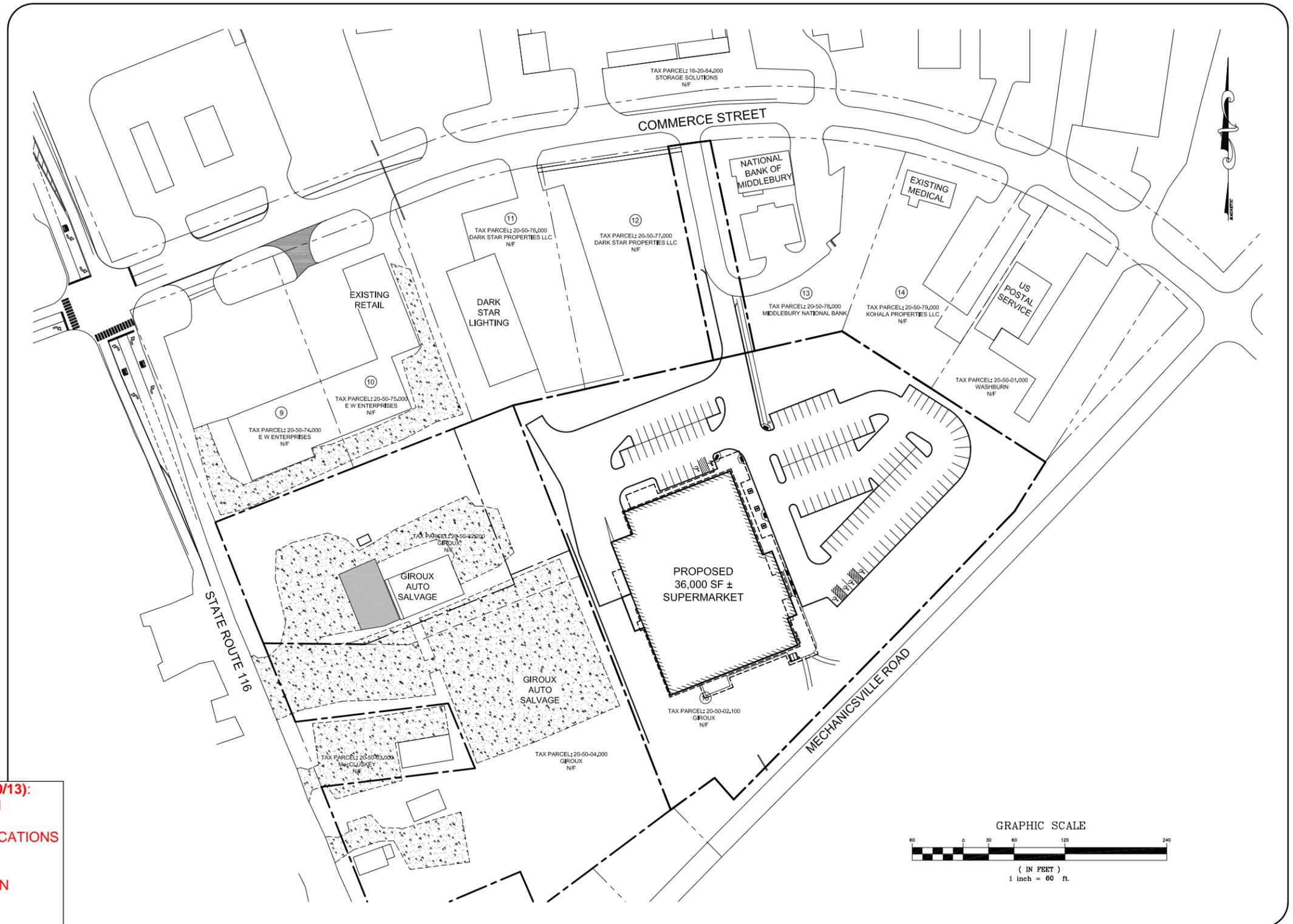


SHEET INDEX

- C1 EXISTING CONDITIONS
- C2 OVERALL PLAN
- C3 SITE PLAN
- C4 COMMERCE STREET UTILITY PLAN
- C5 LOT 15 UTILITY PLAN
- C6 ROUTE 116/COMMERCE STREET INTERSECTION IMPROVEMENTS
- C7 SEWER & WATER DETAILS
- C8 ROAD & EROSION DETAILS
- L1 LANDSCAPE PLAN
- L2 LIGHTING PLAN
- L3 LANDSCAPE DETAILS

- STORMWATER MANAGEMENT PLAN SHEETS (REVISED 6/20/13):**
- S1 50-SCALE OVERALL STORMWATER MANAGEMENT PLAN
 - S2 30-SCALE LOT 15 STORMWATER MANAGEMENT PLAN
 - S3 LOT 15 STORMWATER MANAGEMENT DETAILS & SPECIFICATIONS
 - S4 20-SCALE GRASS CHANNEL PLAN AND PROFILE
 - S5 20-SCALE DETENTION BASIN DETAIL FOR S/N 001
 - S6 100-SCALE OVERALL STORMWATER MANAGEMENT PLAN
- EPSC CONSTRUCTION PLAN (REVISED 10/2/13):**
- E1 EPSC PRE-CONSTRUCTION PLAN
 - E2 EPSC CONSTRUCTION PLAN "PHASE I"
 - E3 EPSC CONSTRUCTION PLAN "PHASE II"
 - E4 EPSC CONSTRUCTION PLAN "PHASE IIIA"
 - E5 EPSC CONSTRUCTION PLAN "PHASE IIIB"
 - E6 EPSC CONSTRUCTION PLAN "PHASE IIIC"
 - E7 EPSC CONSTRUCTION PLAN "PHASE IV"
 - E8 EPSC STABILIZATION PLAN
 - E9 EPSC DETAILS & SPECIFICATIONS

- A1 BUILDING PLAN VIEW
- A2 BUILDING ELEVATIONS



HANNAFORD SUPERMARKET & PHARMACY

COMMERCE STREET, HINESBURG, VERMONT

March 11, 2013

**COMPONENTS REVISED
6/20/2013 AND 10/2/2013**

OWNER
BERNARD A. GIROUX TRUST
JUNE T. GIROUX TRUST
VICTOR T. GIROUX TRUST
RAMONA. GIROUX TRUST
9318 ROUTE 116
HINESBURG, VT

APPLICANT
MARTIN'S FOOD OF SOUTH
BURLINGTON, INC.
P.O. BOX 1000
PORTLAND, ME 04104

DEVELOPMENT CONSULTANT
WHITE + BURKE REAL ESTATE
INVESTMENT ADVISORS, INC.
168 BATTERY STREET
BURLINGTON, VT. 05401

CIVIL & SITE ENGINEER
O'LEARY-BURKE CIVIL ASSOCIATES, PLC.
1 CORPORATE DRIVE, SUITE 1
ESSEX JCT., VT 05452

ENVIRONMENTAL CONSULTANT
VHB
7056 ROUTE 7
NORTH FERRISBURGH, VT. 05473

LANDSCAPE ARCHITECT
SE GROUP
131 CHURCH STREET
BURLINGTON, VT. 05401

TRAFFIC CONSULTANT
LAMOUREUX & DICKINSON
14 MORSE DRIVE
ESSEX JCT., VT 05452

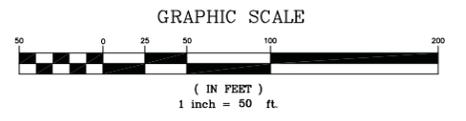
ARCHITECT
BAST & ROOD ARCHITECTS
P.O. BOX 220
HINESBURG, VT 05461



LEGEND

- — — — — PROPERTY BOUNDARY
- — — — — OTHER PROPERTY LINE
- - - - - SIDELINE OF EASEMENT
- - - - - 344 CONTOUR LINE (USGS & DATUM)
- (342) — PROPOSED FINISH GRADE CONTOUR
- ~~~~~ EDGE OF WOODED AREA
- ▲ — — — — — EDGE OF WETLAND (CLASS III)
- EXISTING IRON PIPE
- EXISTING CONCRETE MONUMENT
- IRON PIPE (TO BE SET)
- PROPERTY BOUNDARY
- - - - - CHAIN LINK FENCE
- - - - - ETC EXISTING ELECTRIC/TV/TELEPHONE LINE
- S — EXISTING SEWERLINE
- □ — EXISTING STORMLINE
- W — EXISTING WATERLINE
- ⊕ EXISTING/PROPOSED HYDRANT
- Ac/D ■ ■ ■ ■ ■ SOIL TYPE & BOUNDARY

(NOTE: PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)



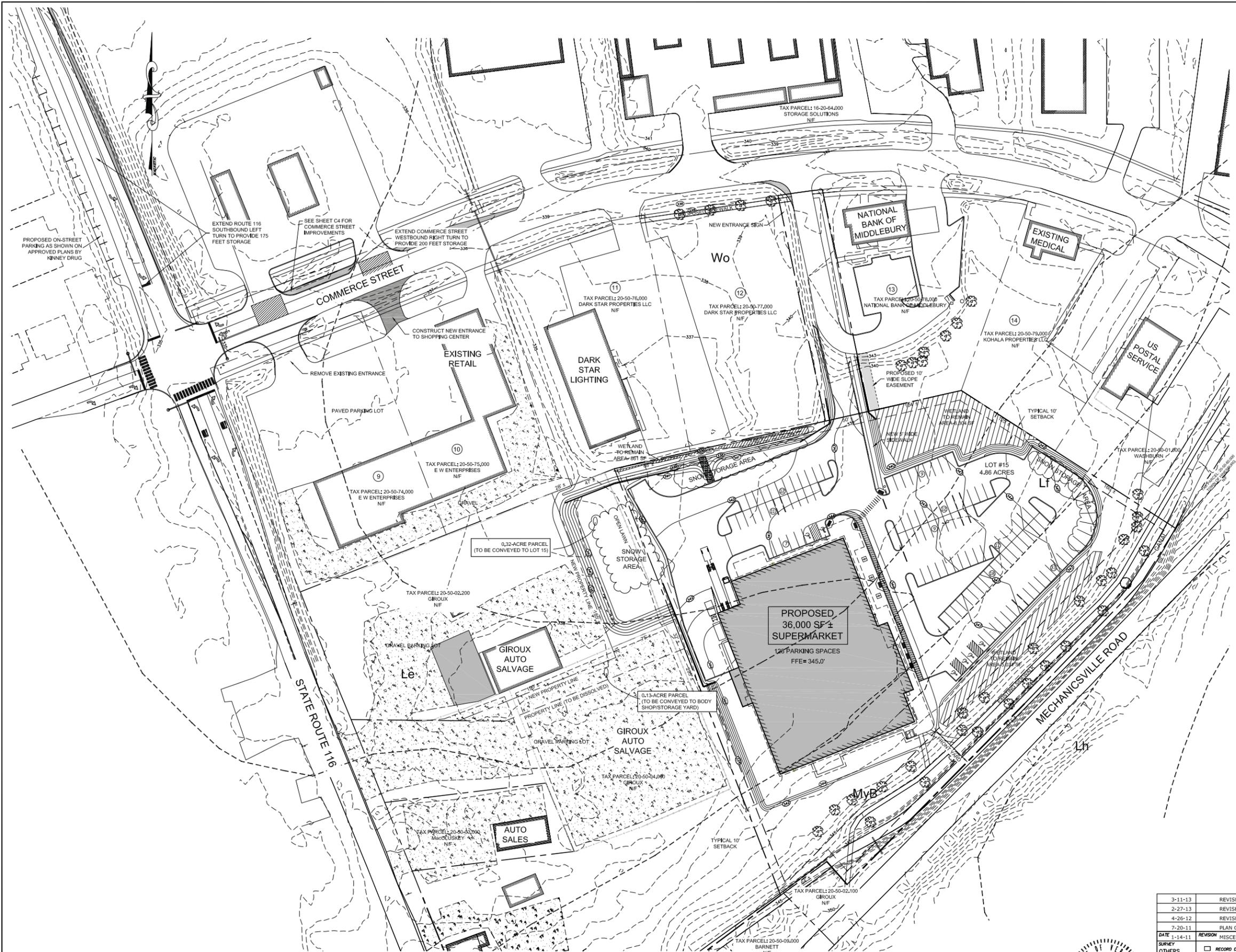
3-11-13	REVISED VT 116 LANE MARKINGS TO REFLECT RECENT UPGRADES	BJB
2-27-13	REVISED STORM DESIGN PER CONFLICT WITH LANDSCAPING PLAN	BJB
4-26-12	REVISED BUILDING FOOTPRINT, PARKING LAYOUT, BOUNDARY LINE ADJUSTMENT	BJB
7-20-11	PLAN CHANGES PER HINESBURG COMMENTS	PJO
DATE	REVISION	BY
SURVEY	<input type="checkbox"/> RECORD DRAWING <input type="checkbox"/> PRELIMINARY	DATE
DESIGN	<input type="checkbox"/> FINAL <input type="checkbox"/> SKETCH/CONCEPT	11-09-10
DRAWN	PJO	JOB#
CHECKED	PJO	9066
SCALE	1"=50'	FILE
		CURRENT
		PLAN SHEET #

Hannaford Supermarket & Pharmacy
Commerce Street Hinesburg, VT

Existing Conditions

O'LEARY-BURKE CIVIL ASSOCIATES, PLC
1 CORPORATE DRIVE, SUITE #1
ESSEX, VT
PHONE: 878-9888 FAX: 878-9889
E-MAIL: ocb@olearyburke.com

C1



LEGEND

- — — — — PROPERTY BOUNDARY
- — — — — OTHER PROPERTY LINE
- - - - - SIDELINE OF EASEMENT
- - - - - CONTOUR LINE (USGS & DATUM)
- — — — — — PROPOSED FINISH GRADE CONTOUR
- ~~~~~ EDGE OF WOODED AREA
- ▲ — — — — — EDGE OF WETLAND (CLASS III)
- EXISTING IRON PIPE
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- - - - - ETC
- S — — — — — EXISTING SEWERLINE
- □ — — — — — EXISTING STORMLINE
- W — — — — — EXISTING WATERLINE
- ⊕ EXISTING/PROPOSED HYDRANT
- AdD — — — — — SOIL TYPE & BOUNDARY

(NOTE: PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)

SOIL TYPES

- Wo WINOOSKI VERY FINE SANDY LOAM
- Le LIMERICK SILT LOAM
- Lf LIMERICK SILT LOAM, VERY WET
- MyB MUNSON AND RAYNHAM SILT LOAMS, 2 TO 6 PERCENT SLOPES
- Lh LIVINGSTON CLAY
- F&E FARMINGTON EXTREMELY ROCKY LOAM, 20 T 60 PERCENT SLOPES

GENERAL NOTES:

- APPLICANT: MARTIN'S FOOD OF SOUTH BURLINGTON, INC. P.O. BOX 1000, PORTLAND, ME 04104
- PROJECT NAME: HANNAFORD SUPERMARKET & PHARMACY, LOT 15 COMMERCE STREET - HINESBURG, VERMONT
- PROJECT SITE:

LOT 15 -	4.56 ACRES
COMMERCE STREET EXTENSION -	0.30 ACRES
GIROUX BOUNDARY LINE ADJUSTMENT -	0.32 ACRES
TOTAL =	5.18 ACRES
- COMMERCIAL ZONING DIMENSIONAL REQUIREMENTS:

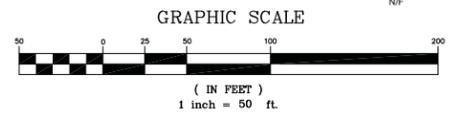
	REQUIRED	PROVIDED
MINIMUM LOT FRONTAGE	60'	542'
MINIMUM LOT DEPTH	100'	285'
MAXIMUM LOT COVERAGE	60%	57.9%

MINIMUM SETBACKS SHOWN ON PLAN
- PARKING SUMMARY:

REQUIRED MINIMUM PARKING FOR RETAIL - 1 SPACE PER 400 S.F.

SUPERMARKET (36,000 S.F. ±)
 REQUIRED MINIMUM PARKING SPACES FOR 36,000 S.F. = 90 SPACES
 PROPOSED PARKING SPACES = 128 SPACES

CART CORRALS NOT INCLUDED IN PROPOSED PARKING SPACES PROVIDED



3-11-13	REVISED VT116 LANE MARKINGS TO REFLECT UPGRADES	BJB
2-27-13	REVISED STORM DESIGN PER CONFLICT WITH LANDSCAPING PLAN	BJB
4-26-12	REVISED BUILDING FOOTPRINT, PARKING LAYOUT, BOUNDARY LINE ADJUSTMENT	BJB
7-20-11	PLAN CHANGES PER HINESBURG COMMENTS	PJO
DATE: 1-14-11	REVISION: MISCELLANEOUS PLAN CHANGES	BY: RHP
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OTHERS	<input type="checkbox"/> FINAL <input type="checkbox"/> SKETCH/CONCEPT	JOB#: 9066
DESIGN		FILE: CURRENT
PJO		PLAN SHEET #
RHP		C2
CHECKED		
PJO		
SCALE: 1"=50'		

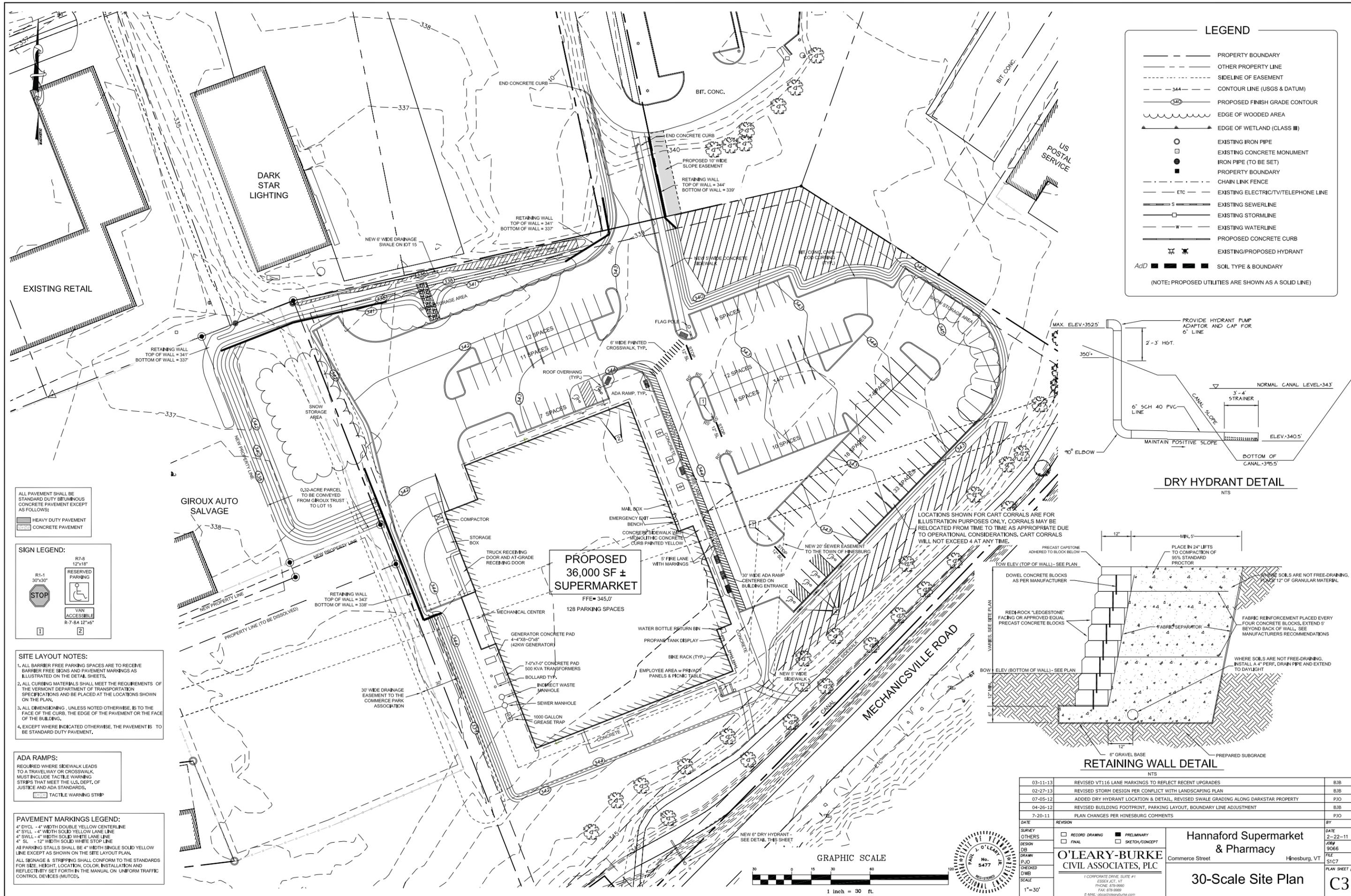


O'LEARY-BURKE
CIVIL ASSOCIATES, PLC

1 CORPORATE DRIVE, SUITE #1
 ESSEX, VT, U.S.A.
 PHONE: 878-9888
 FAX: 878-9889
 E-MAIL: oob@olearyburke.com

Hannaford Supermarket & Pharmacy
 Commerce Street Hinesburg, VT

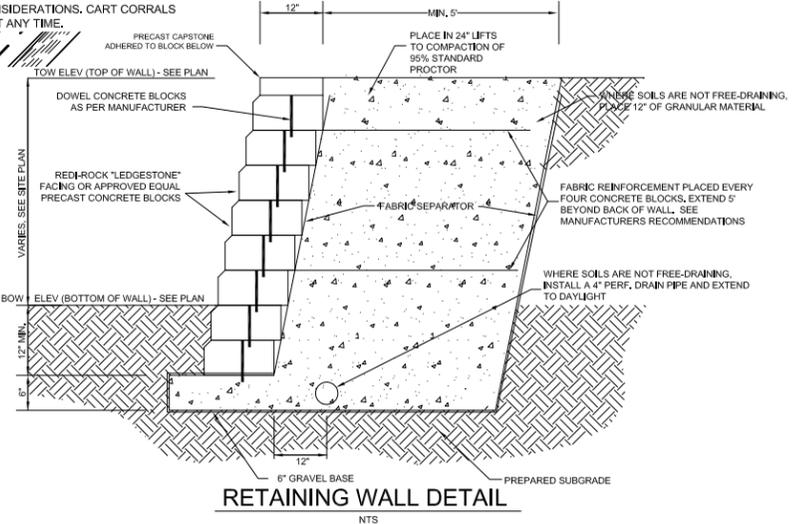
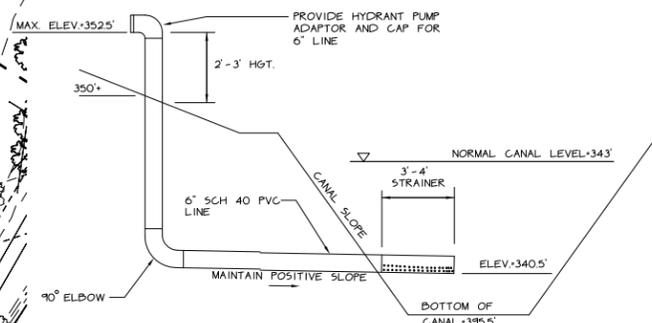
Overall Plan



LEGEND

- PROPERTY BOUNDARY
- OTHER PROPERTY LINE
- - - SIDELINE OF EASEMENT
- 344 --- CONTOUR LINE (USGS & DATUM)
- 340 --- PROPOSED FINISH GRADE CONTOUR
- EDGE OF WOODED AREA
- EDGE OF WETLAND (CLASS III)
- EXISTING IRON PIPE
- EXISTING CONCRETE MONUMENT
- IRON PIPE (TO BE SET)
- PROPERTY BOUNDARY
- - - CHAIN LINK FENCE
- - - ETC --- EXISTING ELECTRIC/TV/TELEPHONE LINE
- EXISTING SEWERLINE
- EXISTING STORMLINE
- EXISTING WATERLINE
- PROPOSED CONCRETE CURB
- EXISTING/PROPOSED HYDRANT
- AdD ■ ■ ■ ■ ■ SOIL TYPE & BOUNDARY

(NOTE: PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)



ALL PAVEMENT SHALL BE STANDARD DUTY BITUMINOUS CONCRETE PAVEMENT EXCEPT AS FOLLOWS:

- HEAVY DUTY PAVEMENT
- CONCRETE PAVEMENT

SIGN LEGEND:

- R7-8 12"x18" RESERVED PARKING
- R1-1 30"x30" STOP
- VAN ACCESSIBLE R-7-8A 12"x6"

SITE LAYOUT NOTES:

- ALL BARRIER FREE PARKING SPACES ARE TO RECEIVE BARRIER FREE SIGNS AND PAVEMENT MARKINGS AS ILLUSTRATED ON THE DETAIL SHEETS.
- ALL CURBING MATERIALS SHALL MEET THE REQUIREMENTS OF THE VERMONT DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND BE PLACED AT THE LOCATIONS SHOWN ON THE PLAN.
- ALL DIMENSIONING, UNLESS NOTED OTHERWISE, IS TO THE FACE OF THE CURB, THE EDGE OF THE PAVEMENT OR THE FACE OF THE BUILDING.
- EXCEPT WHERE INDICATED OTHERWISE, THE PAVEMENT IS TO BE STANDARD DUTY PAVEMENT.

ADA RAMP:

REQUIRED WHERE SIDEWALK LEADS TO A TRAVELWAY OR CROSSWALK. MUST INCLUDE TACTILE WARNING STRIPS THAT MEET THE U.S. DEPT. OF JUSTICE AND ADA STANDARDS.

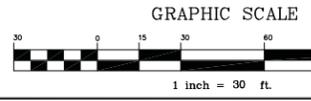
■ TACTILE WARNING STRIP

PAVEMENT MARKINGS LEGEND:

- 4" DYCL - 4" WIDTH DOUBLE YELLOW CENTERLINE
- 4" SYLL - 4" WIDTH SOLID YELLOW LANE LINE
- 4" SWLL - 4" WIDTH SOLID WHITE LANE LINE
- 4" SL - 12" WIDTH SOLID WHITE STOP LINE
- ALL PARKING STALLS SHALL BE 4" WIDTH SINGLE SOLID YELLOW LINE EXCEPT AS SHOWN ON THE SITE LAYOUT PLAN.
- ALL SIGNAGE & STRIPPING SHALL CONFORM TO THE STANDARDS FOR SIZE, HEIGHT, LOCATION, COLOR, INSTALLATION AND REFLECTIVITY SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

PROPOSED 36,000 SF ± SUPERMARKET
 FFE = 345,01'
 128 PARKING SPACES

LOCATIONS SHOWN FOR CART CORRALS ARE FOR ILLUSTRATION PURPOSES ONLY. CORRALS MAY BE RELOCATED FROM TIME TO TIME AS APPROPRIATE DUE TO OPERATIONAL CONSIDERATIONS. CART CORRALS WILL NOT EXCEED 4 AT ANY TIME.



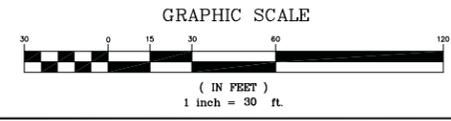
DATE	REVISION	BY
03-11-13	REVISED VT116 LANE MARKINGS TO REFLECT RECENT UPGRADES	BJB
02-27-13	REVISED STORM DESIGN PER CONFLICT WITH LANDSCAPING PLAN	BJB
07-05-12	ADDED DRY HYDRANT LOCATION & DETAIL, REVISED SWALE GRADING ALONG DARKSTAR PROPERTY	PJO
04-26-12	REVISED BUILDING FOOTPRINT, PARKING LAYOUT, BOUNDARY LINE ADJUSTMENT	BJB
7-20-11	PLAN CHANGES PER HINESBURG COMMENTS	PJO

DATE	DATE
2-22-11	2-22-11
JOB# 9066	JOB# 9066
FILE SIC7	FILE SIC7
PLAN SHEET #	PLAN SHEET #

Hannaford Supermarket & Pharmacy Commerce Street Hinesburg, VT	
30-Scale Site Plan	
O'LEARY-BURKE CIVIL ASSOCIATES, PLC 1 CORPORATE DRIVE, SUITE #1 ESSEX, VT PHONE: 879-9888 FAX: 879-9889 E-MAIL: oob@olearyburke.com	C3

LEGEND

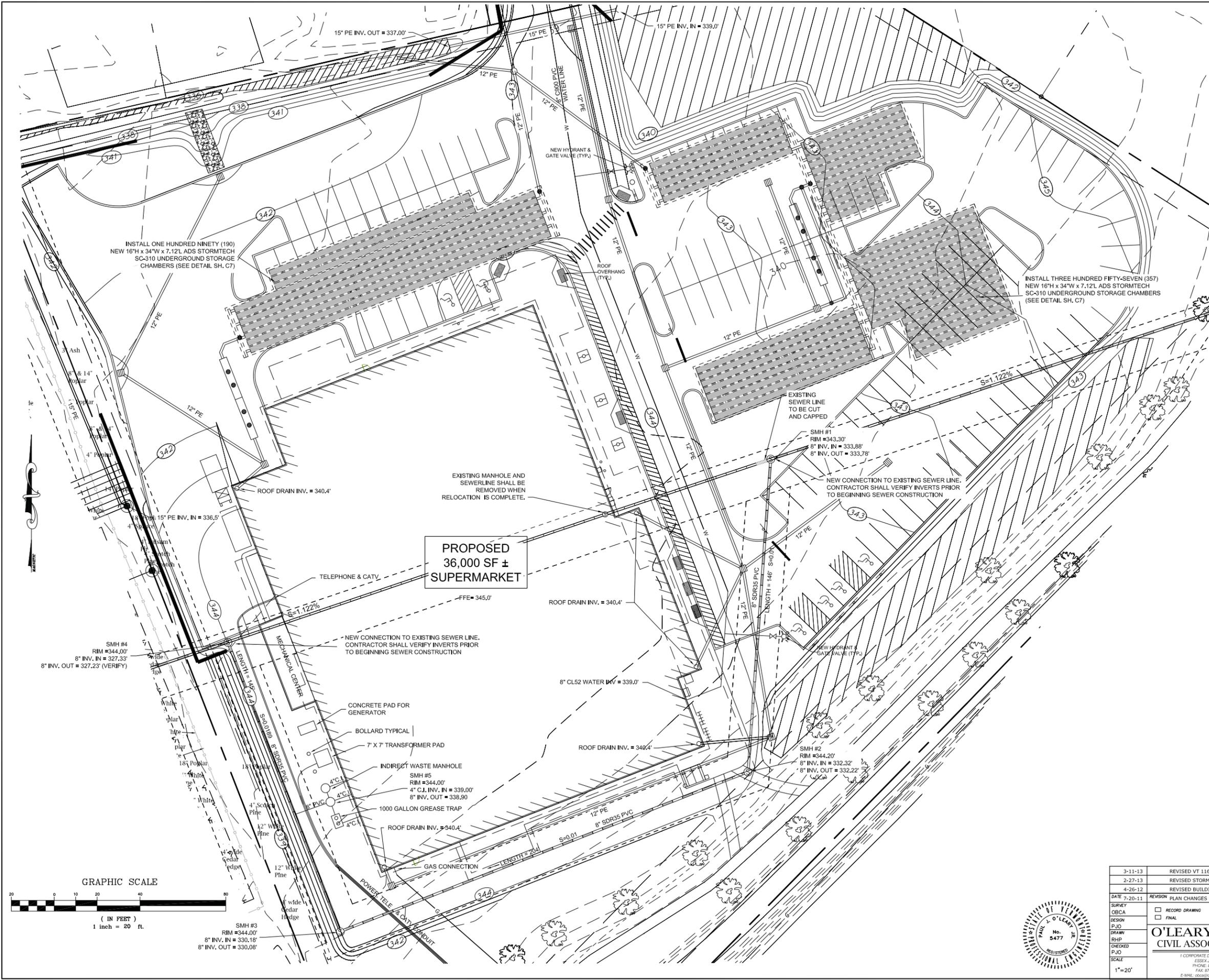
- PROPERTY BOUNDARY
 - - - OTHER PROPERTY LINE
 - - - SIDELINE OF EASEMENT
 - - - 344 CONTOUR LINE (USGS & DATUM)
 - 340 PROPOSED FINISH GRADE CONTOUR
 - ~ EDGE OF WOODED AREA
 - ~ EDGE OF WETLAND (CLASS III)
 - EXISTING IRON PIPE
 - EXISTING CONCRETE MONUMENT
 - IRON PIPE (TO BE SET)
 - PROPERTY BOUNDARY
 - - - CHAIN LINK FENCE
 - - - ETC EXISTING ELECTRIC/TV/TELEPHONE LINE
 - - - S EXISTING SEWERLINE
 - - - □ EXISTING STORMLINE
 - - - W EXISTING WATERLINE
 - ⊕ EXISTING/PROPOSED HYDRANT
 - ⊕ TRAFFIC SIGNALS
- (NOTE: PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)



4-26-12		REVISED BUILDING FOOTPRINT, PARKING LAYOUT, BOUNDARY LINE ADJUSTMENT		BJB	
DATE	7-20-11	REVISION	PLAN CHANGES PER HINESBURG COMMENTS	BY	PJO
SURVEY	OBCA	<input type="checkbox"/> RECORD DRAWING	<input type="checkbox"/> PRELIMINARY	DATE	11-09-10
DESIGN	PJO	<input type="checkbox"/> FINAL	<input type="checkbox"/> SKETCH/CONCEPT	JOB#	9066
DRAWN	RHP			FILE	CURRENT
CHECKED	PJO			PLAN SHEET #	C4
SCALE	1"=30'				

Hannaford Supermarket & Pharmacy
 Commerce Street Hinesburg, VT

O'LEARY-BURKE CIVIL ASSOCIATES, PLC
 1 CORPORATE DRIVE, SUITE #1
 ESSEX, VT
 PHONE: 879-9889 FAX: 879-9889
 E-MAIL: oob@olearyburke.com

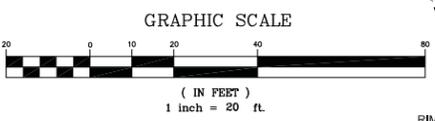


LEGEND

- PROPERTY BOUNDARY
- - - OTHER PROPERTY LINE
- - - SIDELINE OF EASEMENT
- - - 344 CONTOUR LINE (USGS & DATUM)
- PROPOSED FINISH GRADE CONTOUR
- ~ ~ ~ EDGE OF WOODED AREA
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- EXISTING IRON PIPE
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- IRON PIPE (TO BE SET)
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- - - ETC
- EXISTING SEWERLINE
- EXISTING STORMLINE
- EXISTING WATERLINE
- ⊕ EXISTING/PROPOSED HYDRANT
- SOIL TYPE & BOUNDARY

(NOTE: PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)

**PROPOSED
36,000 SF ±
SUPERMARKET**



3-11-13	REVISED VT 116 LANE MARKINGS TO REFLECT RECENT UPGRADES	BJB
2-27-13	REVISED STORM DESIGN PER CONFLICT WITH LANDSCAPING PLAN	BJB
4-26-12	REVISED BUILDING FOOTPRINT, PARKING LAYOUT, BOUNDARY LINE ADJUSTMENT	BJB
DATE 7-20-11	REVISION PLAN CHANGES PER HINESBURG COMMENTS	BY PJO
SURVEY	<input type="checkbox"/> RECORD DRAWING <input type="checkbox"/> PRELIMINARY	DATE 11-09-10
DESIGN	<input type="checkbox"/> FINAL <input type="checkbox"/> SKETCH/CONCEPT	JOB# 9066
DRAWN PJO	O'LEARY-BURKE CIVIL ASSOCIATES, PLC	FILE CURRENT
CHECKED PJO	1 CORPORATE DRIVE, SUITE #1 ESSEX, VT PHONE: 878-9880 FAX: 878-9889 E-MAIL: ocb@olearyburke.com	PLAN SHEET #
SCALE 1"=20'	Hannaford Supermarket & Pharmacy Commerce Street Hinesburg, VT	C5
	Lot 15 Utility Plan	



STORM SYSTEM NARRATIVE

NARRATIVE:

THE PROPOSED PROJECT SITE IS APPROXIMATELY 5.16 ACRES AND IS LOCATED ON LOT #15 IN THE HINESBURG COMMERCIAL PARK - JUST EAST OF THE COMMERCE STREET/VT ROUTE 116 INTERSECTION. THE PARCEL IS CURRENTLY UNDEVELOPED AND RUN-OFF FROM THE SITE FLOWS DOWN A DRAINAGE DITCH, UNDER COMMERCE STREET, AND INTO PATRICK BROOK. IN ADDITION, THE PARCEL RECEIVES SOME UPLAND AREA FLOW FROM ADJOINING PARCELS.

THE CURRENT PROPOSAL IS FOR A 36,325 +/- 50 FT. SUPERMARKET WITH ASSOCIATED INFRASTRUCTURE. TOTAL SITE IMPERVIOUS AREA WILL BE 2.86-ACRES AND HAVE A COMBINED DRAINAGE AREA OF 3.56-ACRES. THE IMPERVIOUS COVERAGE IS 55.4% (2.86/5.16).

THE STORMWATER GOAL FOR THE PROPOSED PROJECT IS TO UTILIZE AN ADS WATER QUALITY UNITS TO PRETREAT THE WATER AND UNDERGROUND STORAGE CHAMBERS TO PROVIDE STORAGE DURING THE 1-YR AND 10-YR STORM EVENTS. OUTLET STRUCTURES HAVE BEEN SIZED TO RELEASE THE STORMWATER AT A RATE LESS THAN PRE-DEVELOPMENT CONDITIONS.

BOTH OUTLET STRUCTURES DISCHARGE TO CATCH BASIN #13 WHICH HAS BEEN DESIGNED AS A SPLITTER STRUCTURE. THE SMALLER WATER QUALITY STORM VOLUME DISCHARGES INTO AN EXISTING DRAINAGE DITCH LOCATED ON THE NORTHERN PROPERTY LINE SHARED WITH DARKSTAR LIGHTING. THE LARGER STORM EVENTS ARE DIVERTED DOWN COMMERCE STREET EXTENSION AND DOWN COMMERCE STREET VIA A NETWORK OF CATCH BASINS THEN INTO AN EXISTING STORMWATER TREATMENT SWALE BEFORE ULTIMATELY DISCHARGING INTO PATRICK BROOK.

OFF-SITE RUN-OFF HAS BEEN DIVERTED AROUND THE PROJECT TO MIMIC THE CURRENT CONDITIONS

Soil Types

- Lo LIMERICK SILT LOAM
- Lf LIMERICK SILT LOAM, VERY WET
- MyB MUNSON AND RAYNHAM SILT LOAMS, 2 TO 6 PERCENT SLOPES
- Wo WINOOSKI VERY FINE SANDY LOAM

Storm System Information

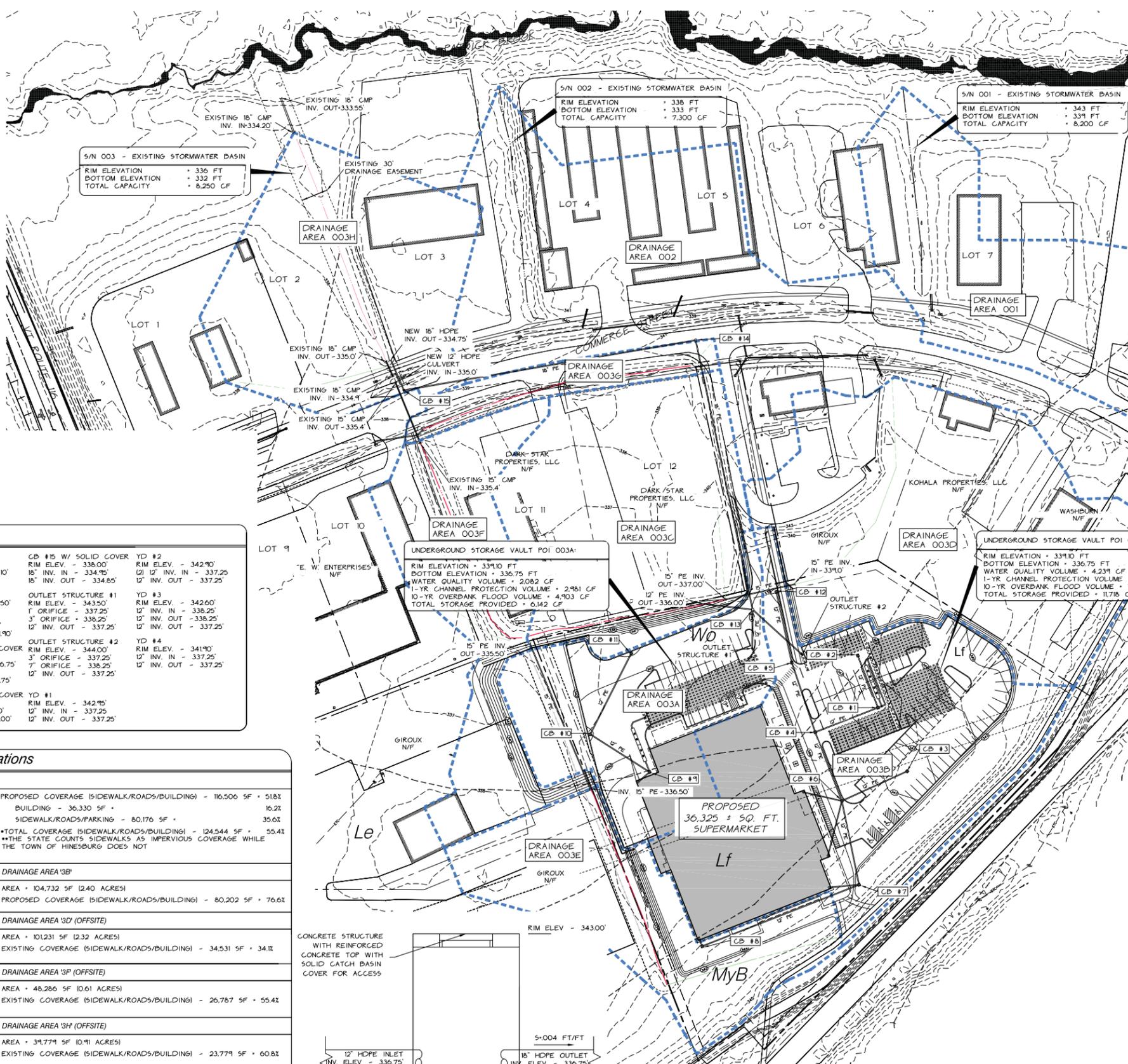
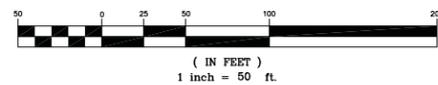
CD #1 RIM ELEV. - 342.30' 12" INV. IN - 338.30' 12" INV. OUT - 338.30'	CD #6 RIM ELEV. - 343.75' 12" INV. IN - 339.00' 12" INV. OUT - 339.00'	CD #10 RIM ELEV. - 341.00' 12" INV. IN - 338.00' 12" INV. OUT - 338.00'	CD #15 W/ SOLID COVER RIM ELEV. - 338.00' 12" INV. IN - 334.95' 18" INV. OUT - 334.85'	YD #2 RIM ELEV. - 342.90' 12" INV. IN - 337.25' 12" INV. OUT - 337.25'
CD #2 RIM ELEV. - 342.50' 12" INV. IN - 339.40' 12" INV. OUT - 339.40'	CD #7 RIM ELEV. - 342.00' 12" INV. IN - 339.40' 12" INV. OUT - 339.40'	CD #11 RIM ELEV. - 341.00' 12" INV. IN - 338.50' 12" INV. OUT - 338.50'	OUTLET STRUCTURE #1 RIM ELEV. - 343.50' 1" ORIFICE - 337.25' 3" ORIFICE - 338.25' 12" INV. OUT - 337.25'	YD #3 RIM ELEV. - 342.60' 12" INV. IN - 338.25' 12" INV. OUT - 338.25'
CD #3 RIM ELEV. - 342.50' 12" INV. IN - 339.35' 12" INV. OUT - 339.35'	CD #8 RIM ELEV. - 344.00' 6" INV. IN - 340.20' 12" INV. OUT - 340.20'	CD #12 RIM ELEV. - 342.90' 12" INV. IN - 339.90' 12" INV. OUT - 339.90'	OUTLET STRUCTURE #2 RIM ELEV. - 344.00' 3" ORIFICE - 337.25' 7" ORIFICE - 338.25' 12" INV. OUT - 337.25'	YD #4 RIM ELEV. - 341.90' 12" INV. IN - 337.25' 12" INV. OUT - 337.25'
CD #4 RIM ELEV. - 343.75' 12" INV. IN - 338.65' 12" INV. OUT - 338.65'	CD #9 RIM ELEV. - 341.00' 6" INV. IN - 337.25' 12" INV. OUT - 337.25'	CD #13 W/ SOLID COVER RIM ELEV. - 343.00' 12" INV. IN - 336.75' 12" INV. OUT - 336.75'	YD #1 RIM ELEV. - 342.95' 12" INV. IN - 337.25' 12" INV. OUT - 337.25'	
CD #5 RIM ELEV. - 343.75' 12" INV. IN - 339.50' 12" INV. OUT - 339.50'	CD #14 W/ SOLID COVER RIM ELEV. - 341.00' 6" INV. IN - 337.25' 12" INV. OUT - 337.25'	CD #16 RIM ELEV. - 341.50' 12" INV. IN - 336.00' 12" INV. OUT - 336.00'	YD #1 RIM ELEV. - 342.95' 12" INV. IN - 337.25' 12" INV. OUT - 337.25'	

Coverage Calculations

TOTAL PARCEL COVERAGE	
PARCEL AREA (EXISTING) - 198,624 SF (4.56 ACRES)	PROPOSED COVERAGE (SIDEWALK/ROADS/BUILDING) - 116,506 SF • 51.8%
PARCEL AREA (PROPOSED) - 224,845 SF (5.16 ACRES)	BUILDING - 36,330 SF • 16.2%
EXISTING COVERAGE (ROAD/SIDEWALK) - 8,038 SF • 3.6%	SIDEWALK/ROADS/PARKING - 80,176 SF • 35.6%
	*TOTAL COVERAGE (SIDEWALK/ROADS/BUILDING) - 124,544 SF • 55.4%
	**THE STATE COUNTS SIDEWALKS AS IMPERVIOUS COVERAGE WHILE THE TOWN OF HINESBURG DOES NOT
DRAINAGE AREA '3A'	DRAINAGE AREA '3B'
AREA - 50,305 SF (1.15 ACRES)	AREA - 104,732 SF (2.40 ACRES)
PROPOSED COVERAGE (SIDEWALK/ROADS/BUILDING) - 37,303 SF • 74.1%	PROPOSED COVERAGE (SIDEWALK/ROADS/BUILDING) - 80,202 SF • 76.6%
DRAINAGE AREA '3C' (OFFSITE)	DRAINAGE AREA '3D' (OFFSITE)
AREA - 74,064 SF (1.70 ACRES)	AREA - 101,231 SF (2.32 ACRES)
EXISTING COVERAGE (SIDEWALK/ROADS/BUILDING) - 29,184 SF • 39.4%	EXISTING COVERAGE (SIDEWALK/ROADS/BUILDING) - 34,531 SF • 34.1%
DRAINAGE AREA '3E' (OFFSITE)	DRAINAGE AREA '3F' (OFFSITE)
AREA - 48,770 SF (1.12 ACRES)	AREA - 48,286 SF (1.06 ACRES)
EXISTING COVERAGE (SIDEWALK/ROADS/BUILDING) - 11,769 SF • 27.0%	EXISTING COVERAGE (SIDEWALK/ROADS/BUILDING) - 26,787 SF • 55.4%
DRAINAGE AREA '3G' (OFFSITE)	DRAINAGE AREA '3H' (OFFSITE)
AREA - 13,526 SF (0.31 ACRES)	AREA - 39,779 SF (0.91 ACRES)
EXISTING COVERAGE (SIDEWALK/ROADS/BUILDING) - 5,859 SF • 43.3%	EXISTING COVERAGE (SIDEWALK/ROADS/BUILDING) - 23,779 SF • 60.8%

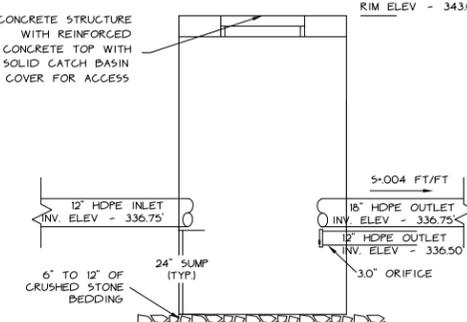
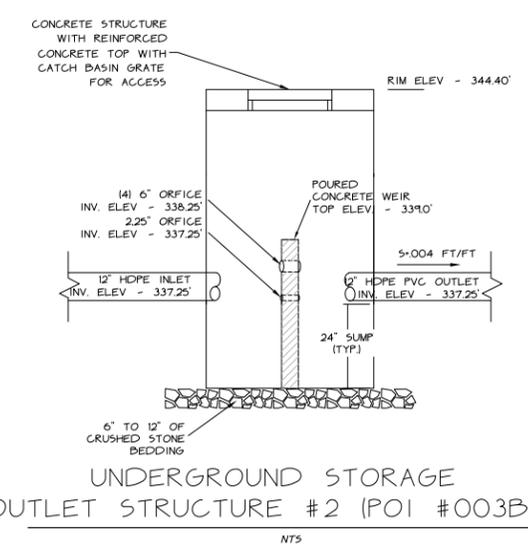
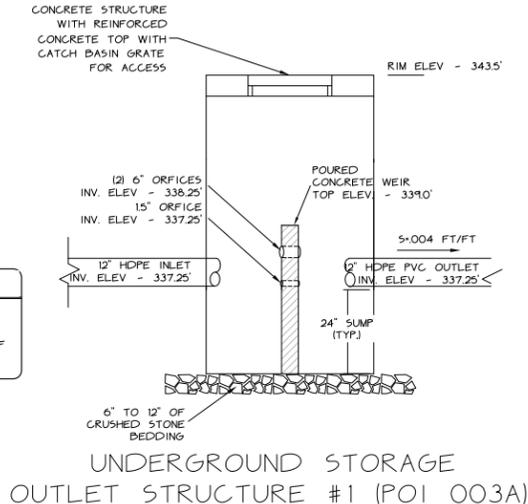
*TOTAL COVERAGE IS CALCULATED FOR STORMWATER BY USING THE SIDEWALK/ROADS/BUILDING FOR THE STATE. HINESBURG DOES NOT CONSIDER SIDEWALK AS IMPERVIOUS COVERAGE.

GRAPHIC SCALE



Legend

- PROPERTY BOUNDARY
 - - - OTHER PROPERTY LINE
 - - - SIDELINE OF EASEMENT
 - - - 344 - - - CONTOUR LINE (USGS & DATUM)
 - 340 — PROPOSED FINISH GRADE CONTOUR
 - EDGE OF WETTED AREA
 - EDGE OF WETLAND (CLASS III)
 - EXISTING IRON PIPE
 - EXISTING CONCRETE MONUMENT
 - IRON PIPE (TO BE SET)
 - PROPERTY BOUNDARY
 - - - CHAIN LINK FENCE
 - - - ETC EXISTING ELECTRIC/TV/TELEPHONE LINE
 - S — EXISTING SEWERLINE
 - W — EXISTING STORMLINE
 - W — EXISTING WATERLINE
 - EXISTING/PROPOSED HYDRANT
 - ■ ■ ■ ■ SOIL TYPE & BOUNDARY
- (NOTE: PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)



CATCH BASIN #13
WQV CONTROL STRUCTURE



04-25-12	REVISED BUILDING FOOTPRINT, PARKING LAYOUT, BOUNDARY LINE ADJUSTMENT AREA	BJB
11-18-11	REVISED DRAINAGE AREAS AND DISCHARGE PIPE LOCATION	BJB
DATE 02-13-11	REVISION PLAN CHANGES PER HINESBURG COMMENTS	BY RHP
SURVEY	<input type="checkbox"/> RECORD DRAWING <input checked="" type="checkbox"/> PRELIMINARY	DATE 11-09-10
OTHERS	<input type="checkbox"/> FINAL <input type="checkbox"/> SKETCH/CONCEPT	JOB# 9066
DESIGN		FILE CURRENT
DRAWN BJB	O'LEARY-BURKE CIVIL ASSOCIATES, PLC	PLAN SHEET #
CHECKED PJO	1 CORPORATE DRIVE, SUITE #1 ESSEX, VT PHONE: 878-9888 FAX: 878-9889 E-MAIL: ocb@olearyburke.com	
SCALE 1"=50'		

Hannaford Supermarket & Pharmacy
Commerce Street Hinesburg, VT

Stormwater Plan

C6

GENERAL WATER SPECIFICATIONS

- CONTRACTOR SHALL CONTACT ALL UTILITIES BEFORE EXCAVATION TO VERIFY THE LOCATION OF ANY UNDERGROUND LINES. THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION. UTILITIES INFORMATION SHOWN ON SHEET 1 WERE OBTAINED FROM THE BEST AVAILABLE SOURCE AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN OR NOT SHOWN HEREON.
- THE HORIZONTAL AND VERTICAL SEPARATION FOR SEWER AND WATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE "TEN STATE STANDARDS - RECOMMENDED STANDARDS FOR WATER WORKS".
- THE WATER MAINS SHALL BE CONSTRUCTED, TESTED, AND DISINFECTED IN ACCORDANCE WITH AWWA STANDARDS C-600 AND C-651 WITH THE EXCEPTION OF THE TABLET METHOD OF DISINFECTION.

THE CONTRACTOR SHALL FURNISH ALL GAUGES, TESTING PLUGS, CAPS, AND ALL OTHER NECESSARY EQUIPMENT AND LABOR TO PERFORM LEAKAGE, PRESSURE AND DISINFECTION TESTS IN SECTIONS OF AN APPROVED LENGTH. EACH VALVED SECTION OR A MAXIMUM OF ONE THOUSAND FEET (1,000') OF THE PIPE SHALL BE TESTED. ALL WATER REQUIRED FOR TESTING SHALL BE POTABLE. ALL TESTING SHALL BE CONDUCTED IN THE PRESENCE OF THE ENGINEER.

FOR THE PRESSURE TEST, THE CONTRACTOR SHALL DEVELOP AND MAINTAIN 200 POUNDS PER SQUARE INCH FOR TWO HOURS. FAILURE TO HOLD THE DESIGNATED PRESSURE FOR THE TWO-HOUR PERIOD CONSTITUTES A FAILURE OF THE SECTION TESTED. THE LEAKAGE TEST SHALL BE PERFORMED CONCURRENTLY WITH THE PRESSURE TEST. DURING THE TEST, THE CONTRACTOR SHALL MEASURE THE QUANTITY OF WATER REQUIRED TO MAINTAIN THE TEST PRESSURE. LEAKAGE SHALL NOT EXCEED THE QUANTITY GIVEN BY:

$$L = SD (\text{SQUARE ROOT OF } P) / 133,200$$

L = LEAKAGE IN GALLONS/HOUR
S = LENGTH OF PIPELINE TESTED
D = DIAMETER OF PIPE IN INCHES
P = AVERAGE TEST PRESSURE IN PSI

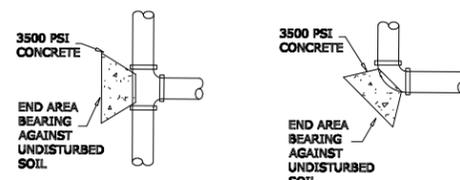
ALL TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH AWWA C600 LATEST REVISION. SHOULD ANY SECTION OF THE PIPE FAIL EITHER THE PRESSURE OR LEAKAGE TESTS, THE CONTRACTOR SHALL DO EVERYTHING NECESSARY TO LOCATE AND REPAIR OR REPLACE THE DEFECTIVE PIPE, FITTINGS, OR JOINTS AT NO EXPENSE TO THE OWNER. IF, FOR ANY REASON, THE ENGINEER SHOULD ALTER THE FOREGOING PROCEDURES, THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR THE TIGHTNESS OF THE LINE WITH THE ABOVE REQUIREMENTS. THE METHOD OF DISINFECTION SHALL BE BY THE CONTINUOUS FEED METHOD UNLESS OTHERWISE APPROVED BY THE ENGINEER. AFTER FILLING, FLUSHING, AND THE INITIAL ADDITION OF CHLORINE SOLUTION, THE FREE CHLORINE CONCENTRATION WITHIN THE PIPE SHALL BE AT LEAST 20 MG/L. THE CHLORINATED WATER SHALL REMAIN IN THE MAIN FOR A PERIOD OF AT LEAST 24 HOURS. AT THE END OF THIS PERIOD, THE TREATED WATER IN ALL PORTIONS OF THE MAIN SHALL HAVE A RESIDUAL OF NOT LESS THAN 10 MG/L FREE CHLORINE. ALL DISINFECTION SHALL BE PERFORMED UNDER THE SUPERVISION OF THE ENGINEER. THE DISINFECTION PROCESS SHALL BE DEEMED ACCEPTABLE ONLY AFTER SAMPLES OF WATER FROM THE FLUSHED, DISINFECTED MAIN TAKEN BY THE ENGINEER AND TESTED AT AN APPROVED LABORATORY SHOW NO EVIDENCE OF BACTERIOLOGICAL CONTAMINATION. DISINFECTION SHALL CONFORM TO THE LATEST AWWA C651 REVISION.

THE PIPELINE AND APPURTENANCES SHALL BE MAINTAINED IN AN UNCONTAMINATED CONDITION UNTIL FINAL ACCEPTANCE. DISINFECTION SHALL BE REPEATED WHEN AND WHERE REQUIRED AT NO EXPENSE TO THE OWNER UNTIL FINAL ACCEPTANCE BY THE OWNER.

- ALL NEW WATER MAIN PIPE SHALL BE OF THE SIZE AND TYPE SHOWN ON THE PLANS. C152, CEMENT LINED DUCTILE IRON, SHALL BE IN ACCORDANCE WITH AWWA C-151, C-104, AND C-111. PVC PIPE SHALL BE IN ACCORDANCE WITH AWWA C-900. ALL FITTINGS SHALL BE CEMENT-LINED DUCTILE IRON, 350 POUNDS WORKING PRESSURE, AND CONFORM TO AWWA C-104, C-111, AND C-110 OR C-153 FOR COMPACT FITTINGS. MECHANICAL JOINT NUTS AND BOLTS SHALL BE HIGH STRENGTH, LOW ALLOY STEEL PER ANSI A-21.11.
- ALL HYDRANTS SHALL BE KENNEDY MODEL 81A, MUELLER SUPER CENTURION 200, OR EQUAL AND CONFORM TO AWWA C-502 WITH A 5 1/4" VALVE OPENING, A MECHANICAL JOINT INLET, A 6" MECHANICAL JOINT SIDE, AND BE LEFT OPENING WITH NATIONAL STANDARD THREADS. THE CONTRACTOR SHALL PROVIDE AND INSTALL AN AUXILIARY VALVE OF THE TYPE INDICATED ON THE CONTRACT DRAWINGS AND A LENGTH OF 6" DUCTILE IRON PIPE SUFFICIENT TO CONNECT THE HYDRANT TO THE MAIN.
- ALL GATE VALVES SHALL BE STONE BEDDED IN A MINIMUM OF 6" OF 3/4" - 1" STONE. ALL VALVES SHALL BE MECHANICAL JOINT, CAST IRON BODY, PARALLEL BRASS SEATS, NON-RISING STEM, INSIDE SCREW, RESILIENT SEAT CONSTRUCTION WITH O-RING STEM SEALS.
- ALL WATER MAIN THRUST BLOCKS SHALL BE CONSTRUCTED OF 3,500 PSI CONCRETE.
- THE WATER MAINS SHALL HAVE A MINIMUM DEPTH OF COVER OF 6' 6".
- ANY SURFACES, LINES, OR STRUCTURES WHICH HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION AND INSTALLATION OF THE INDIVIDUAL LOT WATER LINE SERVICES WITH THE OWNER AT THE TIME OF CONSTRUCTION.
- MECHANICAL JOINT RESTRAINTS WITH TWIST OFF NUTS SHALL BE EBAA OR SIGMA, OR APPROVED EQUAL.
- ALL MAIN LINE GATE VALVES SHALL BE BEDDED IN A MINIMUM OF 6" OF 3/4" - 1" STONE. CONCRETE SHALL NOT BE USED.
- *ALL WATERLINE AND RELATED WORK TO BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS FOR THE INSTALLATION OF WATERLINES AND APPURTENANCES, HENCEFORTH THE CWD SPECIFICATIONS.*

SOIL TYPE - CLAY/SILT			
SIZE	6"	8"	12"
FITTINGS	3	4	9
1 1/4" & 2 1/2"	3	4	9
45'	4	8	17
90'	9	16	35
TEES OR END CAPS	6	11	25
VALVES	3	3	3

SQ FT BEARING AREA
BASED ON 100 PSI WORKING PRESSURE PLUS 100 PSI SURGE ALLOWANCE AND BEARING CAPACITY OF 1000 LBS/SQ FT



TYPICAL TEES-DEADENDS-CAPS

TYPICAL BENDS

NOTE: PLACE 4 mil POLYETHYLENE BETWEEN FITTING AND THRUST BLOCK

THRUST BLOCK END AREA

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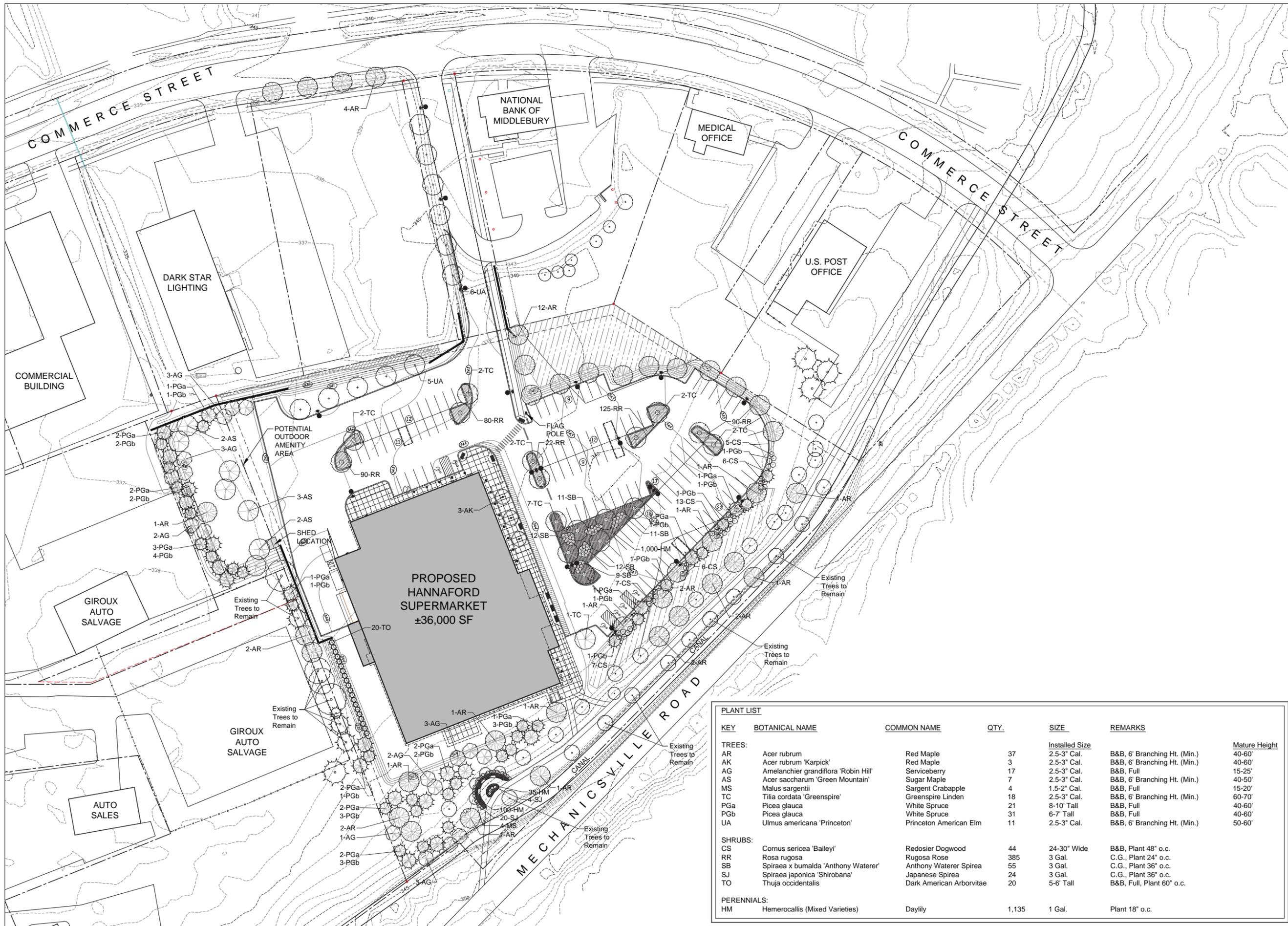
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LANDSCAPE ARCHITECT
SE GROUP
 131 CHURCH STREET
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 FAX: 802.865.2440
 WWW.SEGROUP.COM

DEVELOPER / APPLICANT
 MARTIN'S FOOD OF SOUTH
 BURLINGTON, INC
 P.O. BOX 1000
 PORTLAND, ME 04104

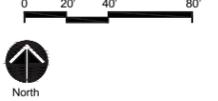
OWNER
 BERNARD A. GIROUX TRUST
 JUNE T. GIROUX TRUST
 VICTOR T. GIROUX TRUST
 RAMONA. GIROUX TRUST
 9318 ROUTE 116
 HINESBURG, VT

CIVIL & SITE ENGINEER
 O'LEARY-BURKE CIVIL
 ASSOCIATES, P.L.C.
 1 CORPORATE DRIVE, SUITE 1
 ESSEX JCT., VT 05452

TRAFFIC CONSULTANT
 LAMOUREUX & DICKINSON
 14 MORSE DRIVE
 ESSEX JCT., VT 05452

ENVIRONMENTAL
 VHB / PIONEER
 7056 ROUTE 7
 NORTH FERRISBURGH, VT 05473

ARCHITECT
 BAST & ROOD ARCHITECTS
 P.O. BOX 220
 HINESBURG, VT 05461



Scale: 1" = 40'
 Date: 11/09/10
 Drawn By: mkw
 Checked By: mph

Revisions:

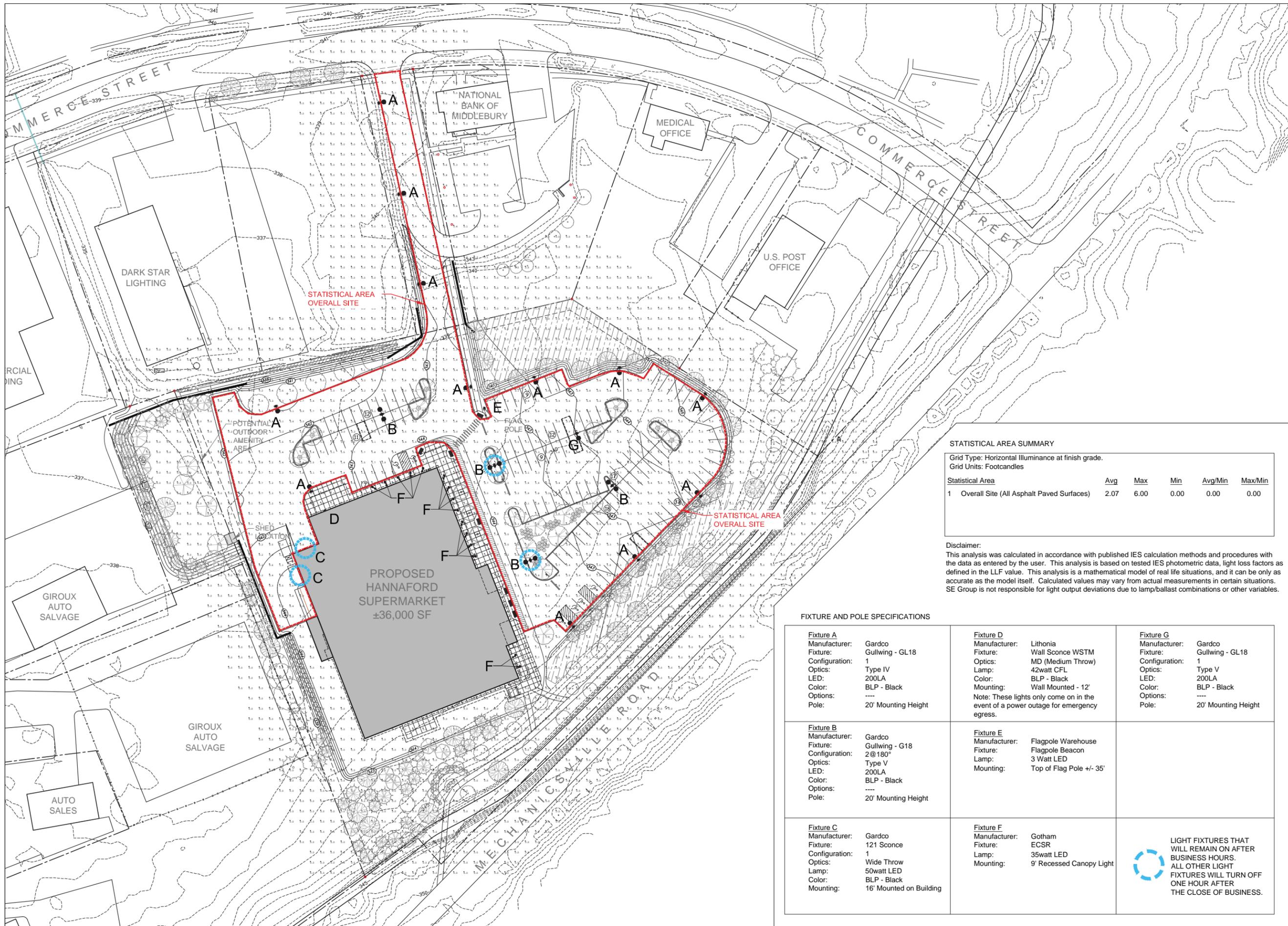
Rev.	Description	Date	By
4	Amended application	02/22/13	mkw
3	Amended application with revised building and site plan design.	04/26/12	mkw
2	Amended application with revised site plan design.	7/26/11	mkw
1	Added mature tree heights.	11/17/10	mkw

KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS	Mature Height
TREES:						
AR	Acer rubrum	Red Maple	37	2.5-3" Cal.	B&B, 6' Branching Ht. (Min.)	40-60'
AK	Acer rubrum 'Karpick'	Red Maple	3	2.5-3" Cal.	B&B, 6' Branching Ht. (Min.)	40-60'
AG	Amelanchier grandiflora 'Robin Hill'	Serviceberry	17	2.5-3" Cal.	B&B, Full	15-25'
AS	Acer saccharum 'Green Mountain'	Sugar Maple	7	2.5-3" Cal.	B&B, 6' Branching Ht. (Min.)	40-50'
MS	Malus sargentii	Sargent Crabapple	4	1.5-2" Cal.	B&B, Full	15-20'
TC	Tilia cordata 'Greenspire'	Greenspire Linden	18	2.5-3" Cal.	B&B, 6' Branching Ht. (Min.)	60-70'
PGa	Picea glauca	White Spruce	21	8-10' Tall	B&B, Full	40-60'
PGB	Picea glauca	White Spruce	31	6-7' Tall	B&B, Full	40-60'
UA	Ulmus americana 'Princeton'	Princeton American Elm	11	2.5-3" Cal.	B&B, 6' Branching Ht. (Min.)	50-60'
SHRUBS:						
CS	Cornus sericea 'Baileyi'	Redosier Dogwood	44	24-30" Wide	B&B, Plant 48" o.c.	
RR	Rosa rugosa	Rugosa Rose	385	3 Gal.	C.G., Plant 24" o.c.	
SB	Spiraea x bumalda 'Anthony Waterer'	Anthony Waterer Spirea	55	3 Gal.	C.G., Plant 36" o.c.	
SJ	Spiraea japonica 'Shirobana'	Japanese Spirea	24	3 Gal.	C.G., Plant 36" o.c.	
TO	Thuja occidentalis	Dark American Arborvitae	20	5-6' Tall	B&B, Full, Plant 60" o.c.	
PERENNIALS:						
HM	Hemerocallis (Mixed Varieties)	Daylily	1,135	1 Gal.	Plant 18" o.c.	

Title: **PLANTING PLAN**

Sheet Number: **L1**

Project Number:
 File:



STATISTICAL AREA OVERALL SITE

STATISTICAL AREA OVERALL SITE

PROPOSED HANNAFORD SUPERMARKET ±36,000 SF

STATISTICAL AREA SUMMARY

Grid Type: Horizontal Illuminance at finish grade.
Grid Units: Footcandles

Statistical Area	Avg	Max	Min	Avg/Min	Max/Min
1 Overall Site (All Asphalt Paved Surfaces)	2.07	6.00	0.00	0.00	0.00

Disclaimer:
This analysis was calculated in accordance with published IES calculation methods and procedures with the data as entered by the user. This analysis is based on tested IES photometric data, light loss factors as defined in the LLF value. This analysis is a mathematical model of real life situations, and it can be only as accurate as the model itself. Calculated values may vary from actual measurements in certain situations. SE Group is not responsible for light output deviations due to lamp/ballast combinations or other variables.

FIXTURE AND POLE SPECIFICATIONS

<p>Fixture A Manufacturer: Gardco Fixture: Gullwing - GL18 Configuration: 1 Optics: Type IV LED: 200LA Color: BLP - Black Options: ---- Pole: 20' Mounting Height</p>	<p>Fixture D Manufacturer: Lithonia Fixture: Wall Sconce WSTM Optics: MD (Medium Throw) Lamp: 42watt CFL Color: BLP - Black Mounting: Wall Mounted - 12' Note: These lights only come on in the event of a power outage for emergency egress.</p>	<p>Fixture G Manufacturer: Gardco Fixture: Gullwing - GL18 Configuration: 1 Optics: Type V LED: 200LA Color: BLP - Black Options: ---- Pole: 20' Mounting Height</p>
<p>Fixture B Manufacturer: Gardco Fixture: Gullwing - G18 Configuration: 2@180° Optics: Type V LED: 200LA Color: BLP - Black Options: ---- Pole: 20' Mounting Height</p>	<p>Fixture E Manufacturer: Flagpole Warehouse Fixture: Flagpole Beacon Lamp: 3 Watt LED Mounting: Top of Flag Pole +/- 35'</p>	
<p>Fixture C Manufacturer: Gardco Fixture: 121 Sconce Configuration: 1 Optics: Wide Throw Lamp: 50watt LED Color: BLP - Black Mounting: 16' Mounted on Building</p>	<p>Fixture F Manufacturer: Gotham Fixture: ECSR Lamp: 35watt LED Mounting: 9' Recessed Canopy Light</p>	<p>LIGHT FIXTURES THAT WILL REMAIN ON AFTER BUSINESS HOURS. ALL OTHER LIGHT FIXTURES WILL TURN OFF ONE HOUR AFTER THE CLOSE OF BUSINESS.</p>



Hinesburg, Vermont

LANDSCAPE ARCHITECT



131 CHURCH STREET
BURLINGTON, VT 05401
TEL: 802.862.0098
FAX: 802.865.2440
WWW.SEGROUP.COM

DEVELOPER / APPLICANT

MARTIN'S FOOD OF SOUTH BURLINGTON, INC
P.O. BOX 1000
PORTLAND, ME 04104

OWNER

BERNARD A. GIROUX TRUST
JUNE T. GIROUX TRUST
VICTOR T. GIROUX TRUST
RAMONA. GIROUX TRUST
9318 ROUTE 116
HINESBURG, VT

CIVIL & SITE ENGINEER

O'LEARY-BURKE CIVIL ASSOCIATES, P.L.C.
1 CORPORATE DRIVE, SUITE 1
ESSEX JCT., VT 05452

TRAFFIC CONSULTANT

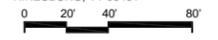
LAMOUREUX & DICKINSON
14 MORSE DRIVE
ESSEX JCT., VT 05452

ENVIRONMENTAL

VHB / PIONEER
7056 ROUTE 7
NORTH FERRISBURGH, VT 05473

ARCHITECT

BAST & ROOD ARCHITECTS
P.O. BOX 220
HINESBURG, VT 05461



Scale: 1" = 40'

Date: 11/09/10

Drawn By: mkw

Checked By: mph

Revisions:

4	Amended application	02/22/13	mkw
3	Amended application with revised building and site plan design.	04/26/12	mkw
2	Amended application with revised site plan design.	7/26/11	mkw
1	Added mature tree heights.	11/17/10	mkw

Rev.	Description	Date	By

Title
LIGHTING PLAN

Sheet Number:
L2

Project Number:
File:



Hinesburg, Vermont

LANDSCAPE ARCHITECT



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NORTH FERRISBURGH, VT 05473

ARCHITECT

BAST & ROOD ARCHITECTS
P.O. BOX 220
HINESBURG, VT 05461

North

Scale: AS NOTED

Date: 11/09/10

Drawn By: mkw

Checked By: mph

Revisions:

Rev.	Description	Date	By
4	Amended application	02/22/13	mkw
3	Amended application with revised building and site plan design.	04/26/12	mkw
2	Amended application with revised site plan design.	7/26/11	mkw
1	Added mature tree heights.	11/17/10	mkw

Title
LANDSCAPE DETAILS

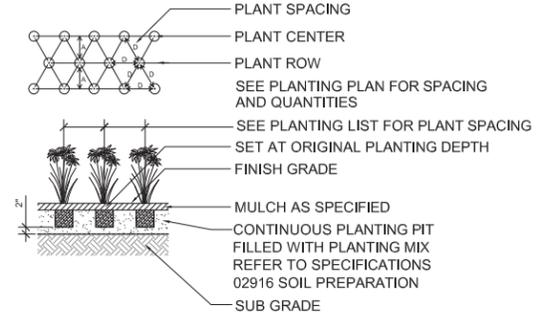
Sheet Number:

L3

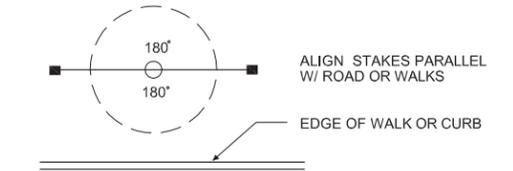
Project Number:
File:

SPACING "D"	ROW "A"	NUMBER OF PLANTS/SQ. FT.
36" O.C.	31.20"	.12
30" O.C.	26.00"	.18
24" O.C.	20.76"	.28
12" O.C.	10.44"	1.15
10" O.C.	8.64"	1.66
8" O.C.	6.96"	2.60
6" O.C.	5.16"	4.61

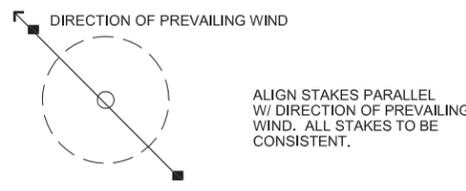
NOTE:
PLANT QUANTITIES DETERMINED BY MULTIPLYING AREA (SQ. FT.)
BY NUMBER OF PLANTS/SQ. FT. FOR REQUIRED SPACING.



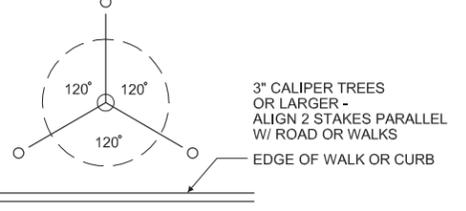
E PERENNIAL PLANTING
SCALE: 1/2" = 1'-0"



A. TREE STAKING ALONG ROAD OR WALKS



B. TREE STAKING IN OPEN SPACES



C. TREE GUYING

C TREE STAKING LAYOUT
NO SCALE

p-stake.dwg

NOTE: EXAMINE ENTIRE TREE AND REMOVE ALL NURSERY TAGS, ROPE, STRING, OR SURVEYORS TAPE TO PREVENT FUTURE GIRDLING.

SURROUNDING SOIL SHOULD NOT EXCEED 80% COMPACTION, DRAINAGE WILL BE REQUIRED IF COMPACTED SOILS ARE PRESENT

NYLON STRAP WITH 3/4" GROMMETS, REFER TO SPECIFICATIONS

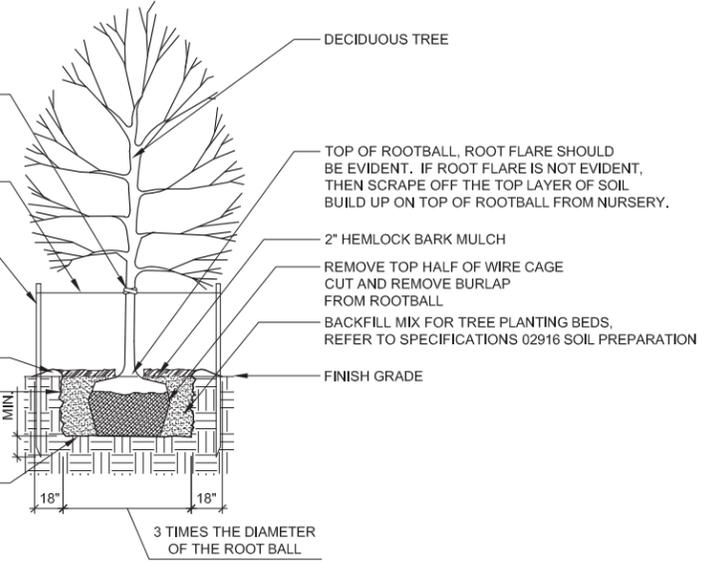
FASTEN WIRE BELOW POINT OF MAJOR BRANCHING OR TO MAJOR OUTSIDE TRUNK.

2 3/4" HARDWOOD STAKES. ALIGN STAKES PARALLEL W/ ROAD/WALKS OR PARALLEL W/ DIRECTION OF PREVAILING WIND, REFER TO TREE STAKING DETAIL

TEMPORARY WATERING BASIN

BREAK APART EDGE OF EXCAVATION W/ SHOVEL AND BLEND PLANT MIX W/ EXISTING SOIL TO PROVIDE TRANSITION TO UNDISTURBED GRADE

UNDISTURBED GRADE EXCAVATE ONLY TO SPECIFIED PLANTING DEPTH TO ENSURE STABLE BASE



A TREE PLANTING
SCALE 1/4" = 1'-0"

p-decidtree.dwg

NOTE: EXAMINE ENTIRE TREE AND REMOVE ALL NURSERY TAGS, ROPE, STRING, OR SURVEYORS TAPE TO PREVENT FUTURE GIRDLING.

SURROUNDING SOIL SHOULD NOT EXCEED 80% COMPACTION, DRAINAGE WILL BE REQUIRED IF COMPACTED SOILS ARE PRESENT

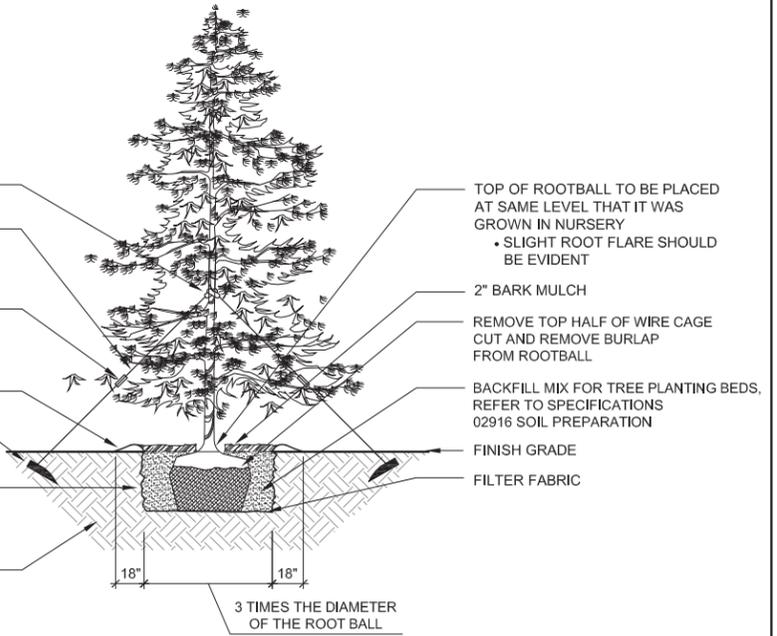
12" X 1 1/2" NYLON/COTTON WEAVE TIES WITH 3/4" GROMMETS
1/8" 7 X 7 STEEL CABLE FASTENED W/ (2) ZINC PLATED CABLE CLAMPS. COVER GUYS W/3" OF 3/8" DIA. SLIP PLASTIC TUBING.

TURNBUCKLE, EYE & EYE, ZINC PLATED, 10 5/8" OPEN LENGTH, 3/8" THREAD DIA. INSTALL W/ TURNBUCKLE IN OPEN POSITION.

TEMPORARY WATERING BASIN
(3) DUCKBILL TYPE ANCHORS

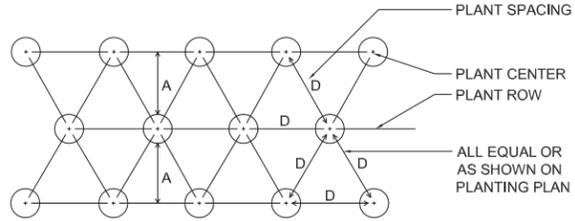
BREAK APART EDGE OF EXCAVATION W/ SHOVEL AND BLEND PLANT MIX W/ EXISTING SOIL TO PROVIDE TRANSITION TO UNDISTURBED GRADE.

UNDISTURBED GRADE: ESCAVATE ONLY TO SPECIFIED PLANTING DEPTH TO ENSURE STABLE BASE



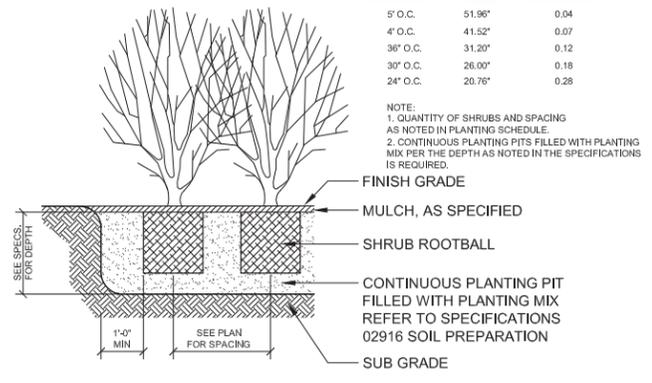
B EVERGREEN PLANTING
SCALE 1/4" = 1'-0"

p-evertree.dwg

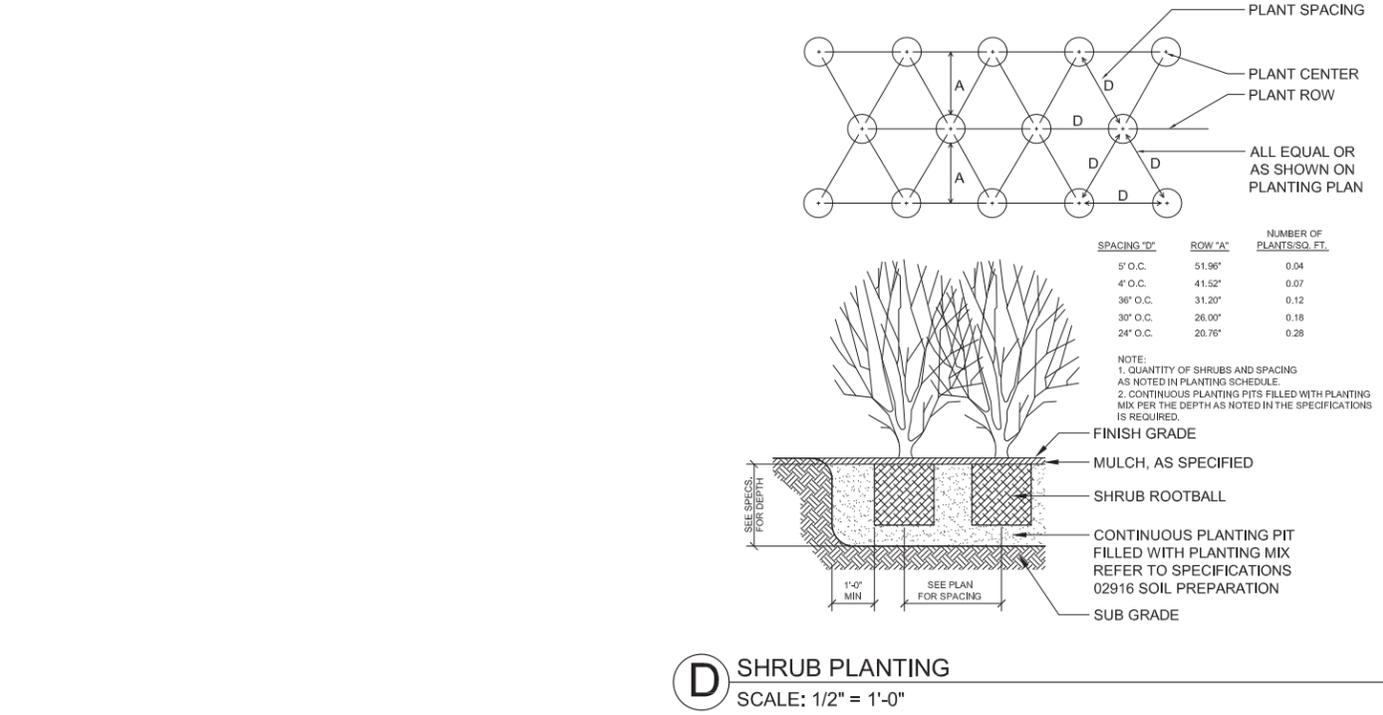


SPACING "D"	ROW "A"	NUMBER OF PLANTS/SQ. FT.
5' O.C.	51.96"	0.04
4' O.C.	41.52"	0.07
36" O.C.	31.20"	.12
30" O.C.	26.00"	.18
24" O.C.	20.76"	.28

NOTE:
1. QUANTITY OF SHRUBS AND SPACING AS NOTED IN PLANTING SCHEDULE.
2. CONTINUOUS PLANTING PITS FILLED WITH PLANTING MIX PER THE DEPTH AS NOTED IN THE SPECIFICATIONS IS REQUIRED



D SHRUB PLANTING
SCALE: 1/2" = 1'-0"



Project Number:
File:

Legend

- PROPERTY BOUNDARY
 - - - OTHER PROPERTY LINE
 - - - SIDELINE OF EASEMENT
 - - - 344 - CONTOUR LINE (USGS & DATUM)
 - - - 340 - PROPOSED FINISH GRADE CONTOUR
 - EDGE OF WOODED AREA
 - EDGE OF WETLAND (CLASS II)
 - EXISTING IRON PIPE
 - EXISTING CONCRETE MONUMENT
 - IRON PIPE (TO BE SET)
 - - - PROPERTY BOUNDARY
 - - - CHAIN LINK FENCE
 - - - ETC - EXISTING ELECTRIC/TELEPHONE LINE
 - - - EXISTING SEWERLINE
 - - - EXISTING STORMLINE
 - - - EXISTING WATERLINE
 - EXISTING/PROPOSED HYDRANT
 - AdD ■ ■ ■ ■ ■ SOIL TYPE & BOUNDARY
- (NOTE: PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)

Soil Types

- L₀ LIMERICK SILT LOAM
- L₁ LIMERICK SILT LOAM, VERY WET
- M₁ MUNSON AND RAYNHAM SILT LOAMS, 2 TO 6 PERCENT SLOPES
- W₀ WINDOSKI VERY FINE SANDY LOAM

Storm System Information

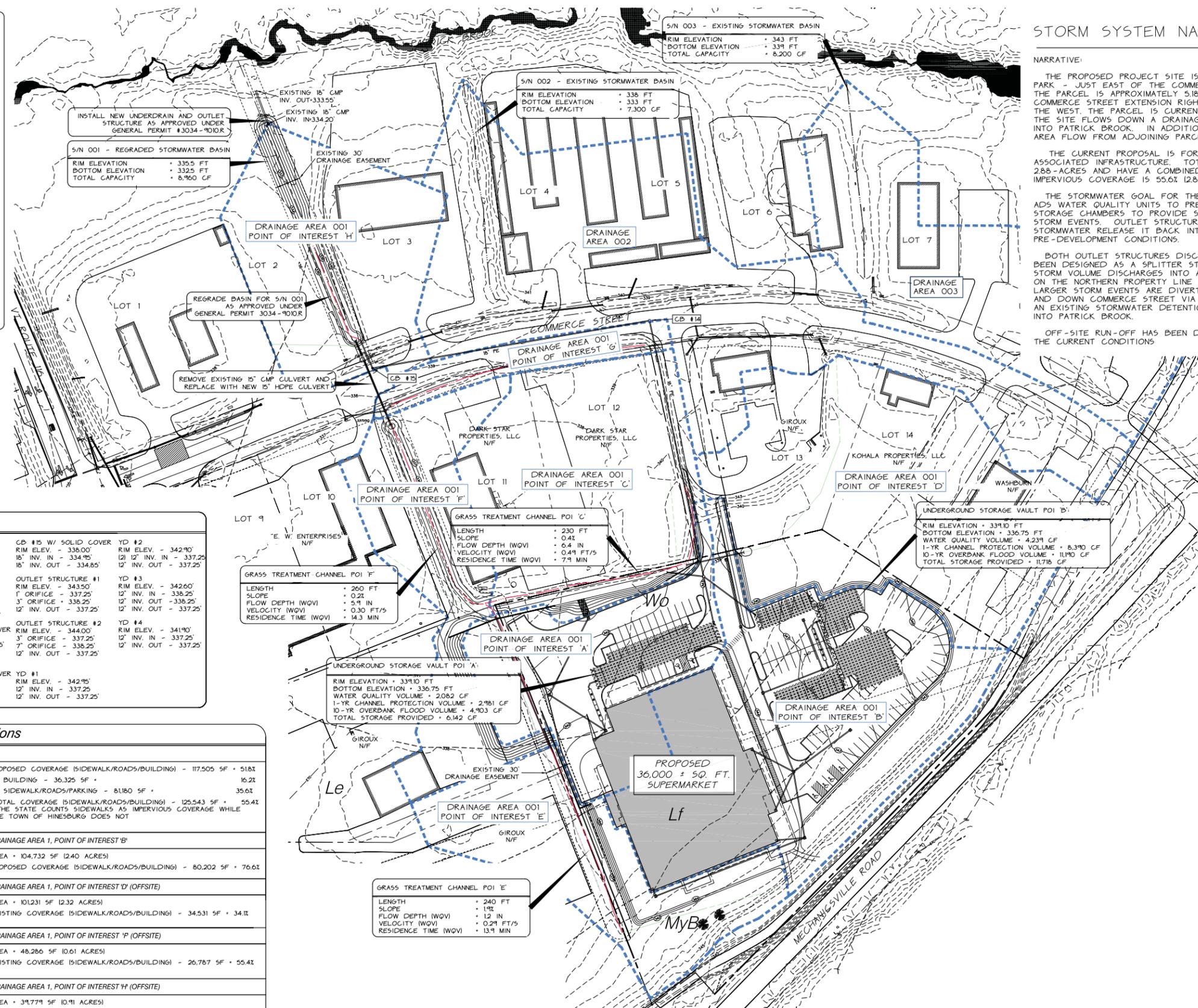
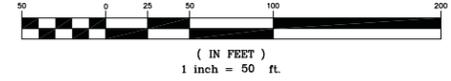
CB #1 RIM ELEV. - 342.50' 12" INV. IN - 338.30' 12" INV. OUT - 338.30'	CB #6 RIM ELEV. - 343.75' 12" INV. IN - 339.05' 12" INV. OUT - 339.05'	CB #10 RIM ELEV. - 341.00' 12" INV. IN - 338.10' 12" INV. OUT - 338.10'	CB #15 W/ SOLID COVER RIM ELEV. - 338.00' 12" INV. IN - 334.95' 18" INV. OUT - 334.85'	YD #2 RIM ELEV. - 342.90' 12" INV. IN - 337.25' 12" INV. OUT - 337.25'
CB #2 RIM ELEV. - 342.50' 12" INV. IN - 338.55' 12" INV. OUT - 339.40'	CB #7 RIM ELEV. - 342.00' 12" INV. IN - 339.40' 12" INV. OUT - 339.40'	CB #11 RIM ELEV. - 341.00' 12" INV. IN - 338.50' 12" INV. OUT - 338.50'	OUTLET STRUCTURE #1 RIM ELEV. - 343.50' 3" ORIFICE - 337.25' 3" ORIFICE - 338.25' 12" INV. OUT - 337.25'	YD #3 RIM ELEV. - 342.60' 12" INV. IN - 338.25' 12" INV. OUT - 337.25'
CB #3 RIM ELEV. - 342.50' 12" INV. IN - 339.35' 12" INV. OUT - 339.35'	CB #8 RIM ELEV. - 344.00' 12" INV. IN - 340.20' 12" INV. OUT - 340.20'	CB #12 RIM ELEV. - 342.90' 12" INV. IN - 339.10' 12" INV. OUT - 339.10'	OUTLET STRUCTURE #2 RIM ELEV. - 344.00' 3" ORIFICE - 337.25' 7" ORIFICE - 338.25' 12" INV. OUT - 337.25'	YD #4 RIM ELEV. - 341.90' 12" INV. IN - 337.25' 12" INV. OUT - 337.25'
CB #4 RIM ELEV. - 343.75' 12" INV. IN - 338.65' 12" INV. OUT - 338.65'	CB #9 RIM ELEV. - 341.00' 6" INV. IN - 337.25' 12" INV. IN - 337.75' 12" INV. OUT - 337.75'	CB #13 W/ SOLID COVER RIM ELEV. - 343.00' 12" INV. IN - 336.75' 12" INV. OUT - 336.75'	CB #14 W/ SOLID COVER RIM ELEV. - 341.50' 12" INV. IN - 336.00' 18" INV. OUT - 336.00'	YD #1 RIM ELEV. - 342.95' 12" INV. IN - 337.25' 12" INV. OUT - 337.25'
CB #5 RIM ELEV. - 343.75' 12" INV. IN - 339.50' 12" INV. OUT - 339.50'				

Coverage Calculations

TOTAL PARCEL COVERAGE	
PARCEL AREA (EXISTING) - 198,624 SF (4.56 ACRES)	PROPOSED COVERAGE (SIDEWALKS/ROADS/BUILDING) - 117,505 SF - 51.8%
PARCEL AREA (PROPOSED) - 224,845 SF (5.16 ACRES)	BUILDING - 36,325 SF - 16.2%
EXISTING COVERAGE (ROADS/SIDEWALKS) - 8,038 SF - 3.6%	SIDEWALKS/ROADS/PARKING - 81,800 SF - 35.6%
	**TOTAL COVERAGE (SIDEWALKS/ROADS/BUILDING) - 125,543 SF - 55.4%
	**THE STATE COUNTS SIDEWALKS AS IMPERVIOUS COVERAGE WHILE THE TOWN OF HINESBURG DOES NOT
DRAINAGE AREA 1, POINT OF INTEREST 'A'	DRAINAGE AREA 1, POINT OF INTEREST 'B'
AREA - 50,305 SF (1.15 ACRES)	AREA - 104,732 SF (2.40 ACRES)
PROPOSED COVERAGE (SIDEWALKS/ROADS/BUILDING) - 37,303 SF - 74.1%	PROPOSED COVERAGE (SIDEWALKS/ROADS/BUILDING) - 80,202 SF - 76.6%
DRAINAGE AREA 1, POINT OF INTEREST 'C' (OFFSITE)	DRAINAGE AREA 1, POINT OF INTEREST 'D' (OFFSITE)
AREA - 74,064 SF (1.70 ACRES)	AREA - 101,231 SF (2.32 ACRES)
EXISTING COVERAGE (SIDEWALKS/ROADS/BUILDING) - 29,184 SF - 39.4%	EXISTING COVERAGE (SIDEWALKS/ROADS/BUILDING) - 34,531 SF - 34.1%
DRAINAGE AREA 1, POINT OF INTEREST 'E' (OFFSITE)	DRAINAGE AREA 1, POINT OF INTEREST 'F' (OFFSITE)
AREA - 48,770 SF (1.12 ACRES)	AREA - 48,286 SF (1.06 ACRES)
EXISTING COVERAGE (SIDEWALKS/ROADS/BUILDING) - 11,769 SF - 27.0%	EXISTING COVERAGE (SIDEWALKS/ROADS/BUILDING) - 26,787 SF - 55.4%
DRAINAGE AREA 1, POINT OF INTEREST 'G' (OFFSITE)	DRAINAGE AREA 1, POINT OF INTEREST 'H' (OFFSITE)
AREA - 13,526 SF (0.31 ACRES)	AREA - 39,779 SF (0.91 ACRES)
EXISTING COVERAGE (SIDEWALKS/ROADS/BUILDING) - 5,859 SF - 43.3%	EXISTING COVERAGE (SIDEWALKS/ROADS/BUILDING) - 23,779 SF - 60.8%

*TOTAL COVERAGE IS CALCULATED FOR STORMWATER BY USING THE SIDEWALKS/ROADS/BUILDING FOR THE STATE. HINESBURG DOES NOT CONSIDER SIDEWALK AS IMPERVIOUS COVERAGE.

GRAPHIC SCALE



STORM SYSTEM NARRATIVE

NARRATIVE:
THE PROPOSED PROJECT SITE IS LOCATED IN THE HINESBURG COMMERCIAL PARK - JUST EAST OF THE COMMERCE STREET/VT ROUTE 116 INTERSECTION. THE PARCEL IS APPROXIMATELY 5.18 ACRES AND COMPRISED OF LOT #15, THE COMMERCE STREET EXTENSION RIGHT-OF-WAY, AND 0.32-ACRE PARCEL TO THE WEST. THE PARCEL IS CURRENTLY UNDEVELOPED AND RUN-OFF FROM THE SITE FLOWS DOWN A DRAINAGE DITCH, UNDER COMMERCE STREET, AND INTO PATRICK BROOK. IN ADDITION, THE PARCEL RECEIVES SOME UPLAND AREA FLOW FROM ADJOINING PARCELS.

THE CURRENT PROPOSAL IS FOR A 36,000 +/- SQ. FT. SUPERMARKET WITH ASSOCIATED INFRASTRUCTURE. TOTAL SITE IMPERVIOUS AREA WILL BE 2.88-ACRES AND HAVE A COMBINED DRAINAGE AREA OF 3.56-ACRES. THE IMPERVIOUS COVERAGE IS 55.6% (2.88/5.18).

THE STORMWATER GOAL FOR THE PROPOSED PROJECT IS TO UTILIZE AN ADS WATER QUALITY UNIT TO PRETREAT THE WATER AND UNDERGROUND STORAGE CHAMBERS TO PROVIDE STORAGE DURING THE 1-YR AND 10-YR STORM EVENTS. OUTLET STRUCTURES HAVE BEEN SIZED TO DETAIN THE STORMWATER RELEASE IT BACK INTO THE WATERSHED AT A RATE LESS THAN PRE-DEVELOPMENT CONDITIONS.

BOTH OUTLET STRUCTURES DISCHARGE TO CATCH BASIN #13 WHICH HAS BEEN DESIGNED AS A SPLITTER STRUCTURE. THE SMALLER WATER QUALITY STORM VOLUME DISCHARGES INTO A NEW GRASS TREATMENT SWALE LOCATED ON THE NORTHERN PROPERTY LINE SHARED WITH DARKSTAR LIGHTING. THE LARGER STORM EVENTS ARE DIVERTED DOWN COMMERCE STREET EXTENSION AND DOWN COMMERCE STREET VIA A NETWORK OF CATCH BASINS THEN INTO AN EXISTING STORMWATER DETENTION AREA BEFORE ULTIMATELY DISCHARGING INTO PATRICK BROOK.

OFF-SITE RUN-OFF HAS BEEN DIVERTED AROUND THE PROJECT TO MIMIC THE CURRENT CONDITIONS

DATE: 06-20-13	REVISION: REVISED GRADING BETWEEN LOTS 2/3 AND LOTS 10/11	BY: BJB
DATE: 03-11-13	REVISION: CORRECTED BUILDING SIZE LABEL	BY: BJB
SURVEY: OBCA	DESIGN: OBCA	DATE: 08-21-12
DESIGN: OBCA	DRAWN: BJB	JOB#: 3006
CHECKED: FJO	SCALE: 1"=50'	FILE: 9066 STORM
		PLAN SHEET #
		S1

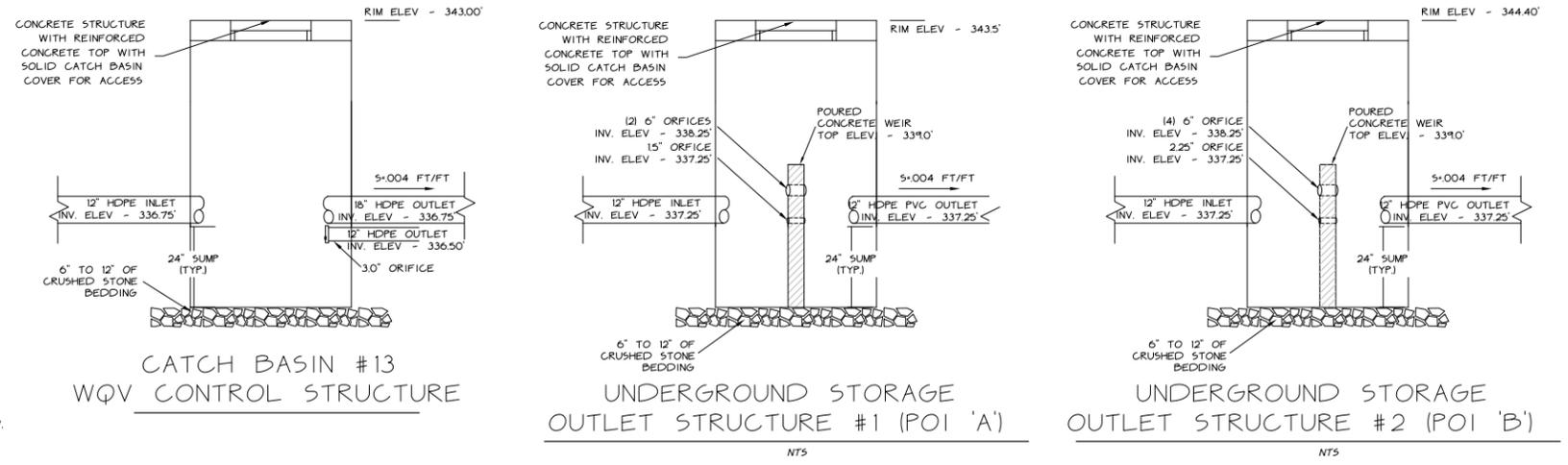


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Hannaford Supermarket & Pharmacy
Commerce Street
Hinesburg, VT
50-SCALE OVERALL STORMWATER MANAGEMENT PLAN

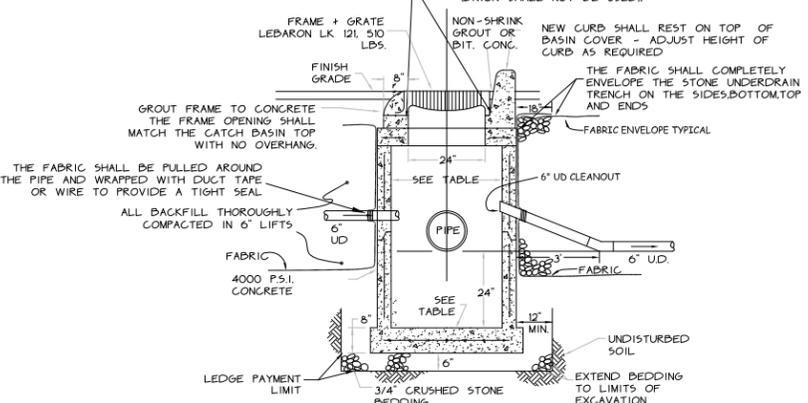
Legend

- PROPERTY BOUNDARY
 - - - OTHER PROPERTY LINE
 - - - SIDELINE OF EASEMENT
 - - - 344 - CONTOUR LINE (USGS & DATUM)
 - - - 340 - PROPOSED FINISH GRADE CONTOUR
 - ~ ~ ~ EDGE OF WOODED AREA
 - - - EDGE OF WETLAND (CLASS III)
 - EXISTING IRON PIPE
 - EXISTING CONCRETE MONUMENT
 - IRON PIPE (TO BE SET)
 - - - PROPERTY BOUNDARY
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 - - - EXISTING SEWERLINE
 - - - EXISTING STORMLINE
 - - - EXISTING WATERLINE
 - ⊕ EXISTING/PROPOSED HYDRANT
 - AdD ■ ■ ■ ■ ■ SOIL TYPE & BOUNDARY
- (NOTE: PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)



ALL STRUCTURES SHALL BE DESIGNED BY A STRUCTURAL ENGINEER TO WITHSTAND AN H20 LOADING REQUIREMENT

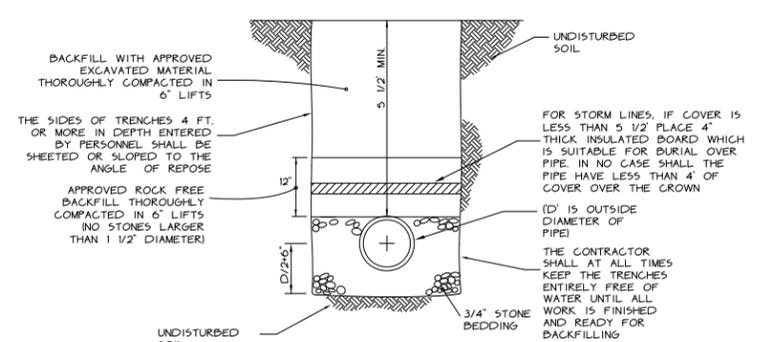
ALL PIPES LARGER THAN 6" IN DIAMETER SHALL HAVE A FLEXIBLE PIPE SLEEVE. ALL OTHER PIPES SHALL BE SEALED ON THE INSIDE AND OUTSIDE WITH NON-SHRINK GROUT



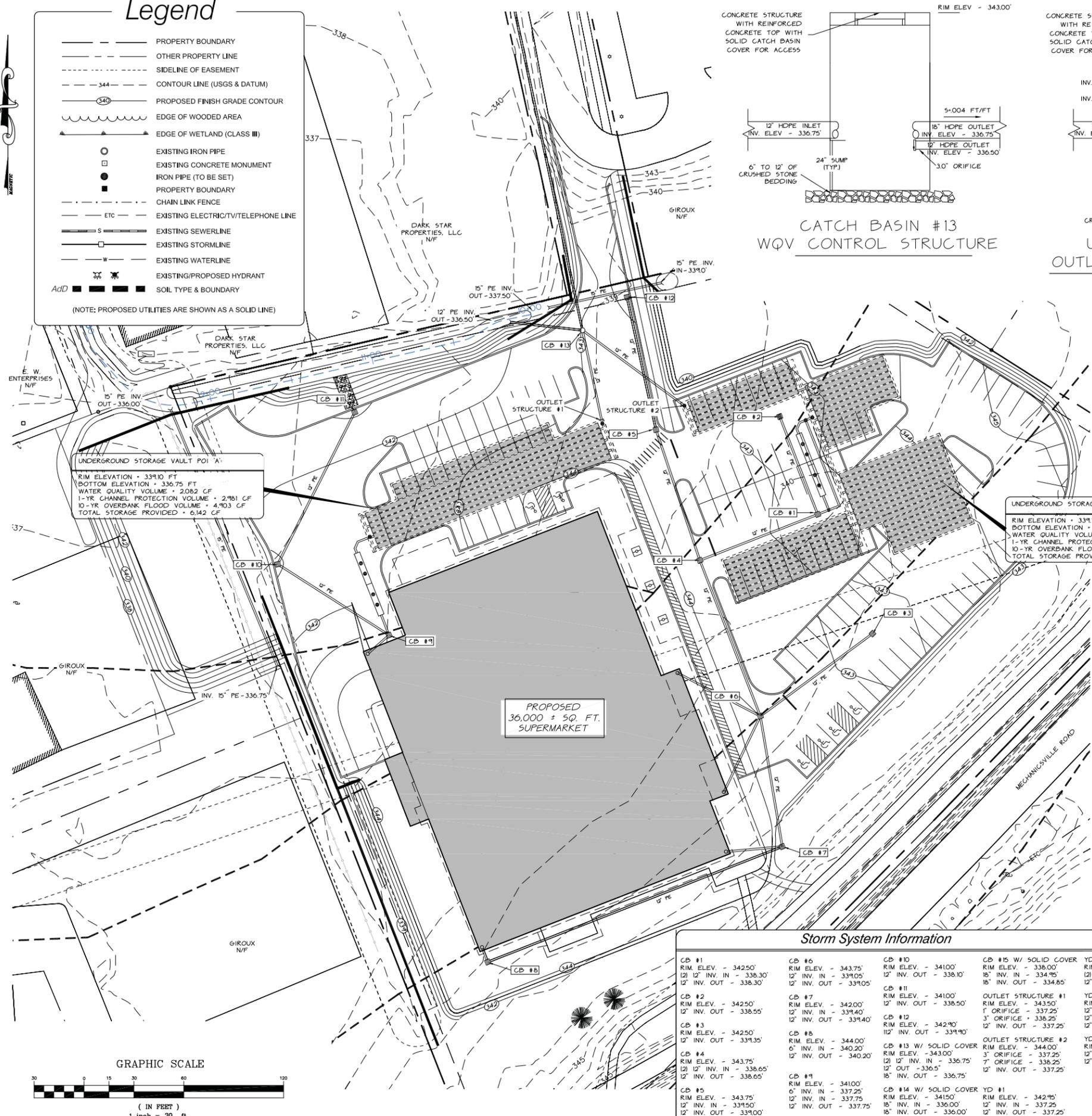
CATCH BASINS SHALL BE DESIGNED SUCH THAT:

1. AT ANY ELEVATION, A MINIMUM OF 60% OF THE CIRCUMFERENCE SHALL BE CONCRETE.
2. THE MINIMUM DISTANCE, AS MEASURED ALONG THE CIRCUMFERENCE, BETWEEN TWO OPENINGS SHALL BE 6"
3. THE BASINS SHALL ALSO MEET THE FOLLOWING MINIMUM REQUIREMENTS:

CATCH BASIN DIAMETER	LARGEST PIPE DIA. ALLOWED	SIDEWALL THICKNESS	CONCRETE COVER THICKNESS
36"	18"	4"	6"
48"	30"	5"	10"
60"	36"	6"	12"
72"	48"	7"	18"

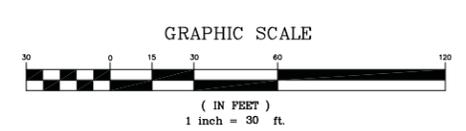


TYPICAL STORM TRENCH
NTS



Storm System Information

CB #1 RIM ELEV. - 342.50' 12" INV. IN - 338.30' 12" INV. OUT - 338.30'	CB #6 RIM ELEV. - 343.75' 12" INV. IN - 339.05' 12" INV. OUT - 339.05'	CB #10 RIM ELEV. - 341.00' 12" INV. OUT - 338.10'	CB #15 W/ SOLID COVER RIM ELEV. - 338.00' 15" INV. IN - 334.95' 15" INV. OUT - 334.85'	YD #2 RIM ELEV. - 342.90' 12" INV. IN - 337.25' 12" INV. OUT - 337.25'
CB #2 RIM ELEV. - 342.50' 12" INV. OUT - 338.55'	CB #7 RIM ELEV. - 342.00' 12" INV. IN - 339.40' 12" INV. OUT - 339.40'	CB #11 RIM ELEV. - 341.00' 12" INV. OUT - 338.50'	OUTLET STRUCTURE #1 RIM ELEV. - 343.50' 1" ORIFICE - 337.25' 3" ORIFICE - 338.25' 12" INV. OUT - 337.25'	YD #3 RIM ELEV. - 342.60' 12" INV. IN - 338.25' 12" INV. OUT - 338.25' 12" INV. OUT - 337.25'
CB #3 RIM ELEV. - 342.50' 12" INV. OUT - 339.35'	CB #8 RIM ELEV. - 344.00' 12" INV. IN - 340.20' 12" INV. OUT - 340.20'	CB #12 RIM ELEV. - 342.90' 12" INV. OUT - 339.90'	OUTLET STRUCTURE #2 RIM ELEV. - 344.00' 3" ORIFICE - 337.25' 7" ORIFICE - 338.25' 12" INV. OUT - 337.25'	YD #4 RIM ELEV. - 341.90' 12" INV. IN - 337.25' 12" INV. OUT - 337.25'
CB #4 RIM ELEV. - 343.75' 12" INV. IN - 338.65' 12" INV. OUT - 338.65'	CB #9 RIM ELEV. - 341.00' 6" INV. IN - 337.25' 12" INV. OUT - 337.75'	CB #13 W/ SOLID COVER RIM ELEV. - 343.00' 6" INV. IN - 336.75' 15" INV. OUT - 336.75'	YD #1 RIM ELEV. - 341.50' 12" INV. IN - 337.25' 15" INV. OUT - 336.00'	
CB #5 RIM ELEV. - 343.75' 12" INV. IN - 339.50' 12" INV. OUT - 339.00'				

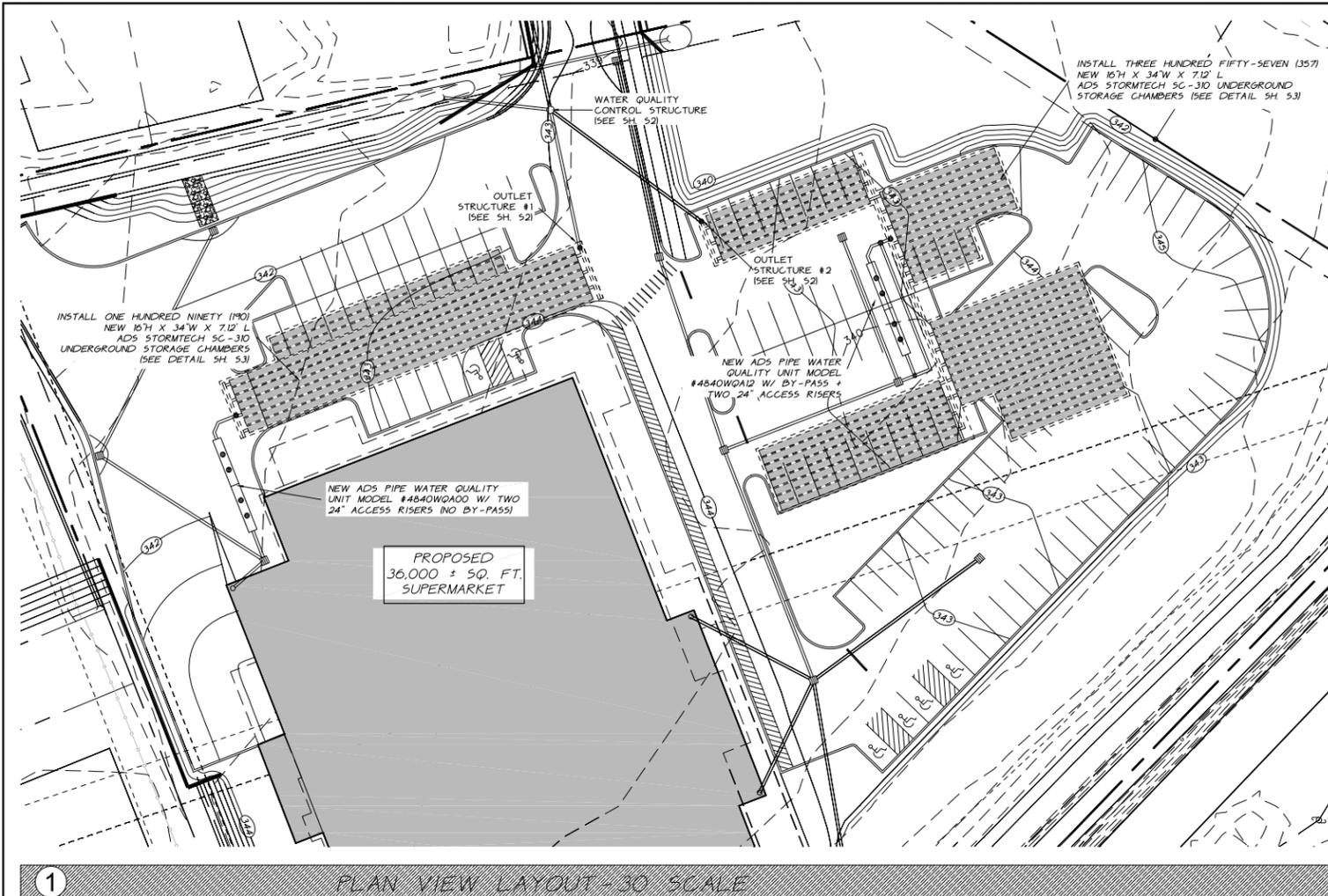


06-20-13	REVISED GRADING BETWEEN LOTS 2/3 AND LOTS 10/11	BLB
03-11-13	CORRECTED BUILDING SIZE LABEL	BLB
DATE 02-27-13	REVISION REVISED STORM DESIGN PER CONFLICT WITH LANDSCAPING PLAN	BY BLB
SURVEY	RECORD DRAWING	DATE 08-21-12
DESIGN	PRELIMINARY	JOB# 3066
DRAWN	FINAL	FILE 9066 STORM
CHECKED	SKETCH/CONCEPT	PLAN SHEET #
SCALE		S2
AS NOTED		

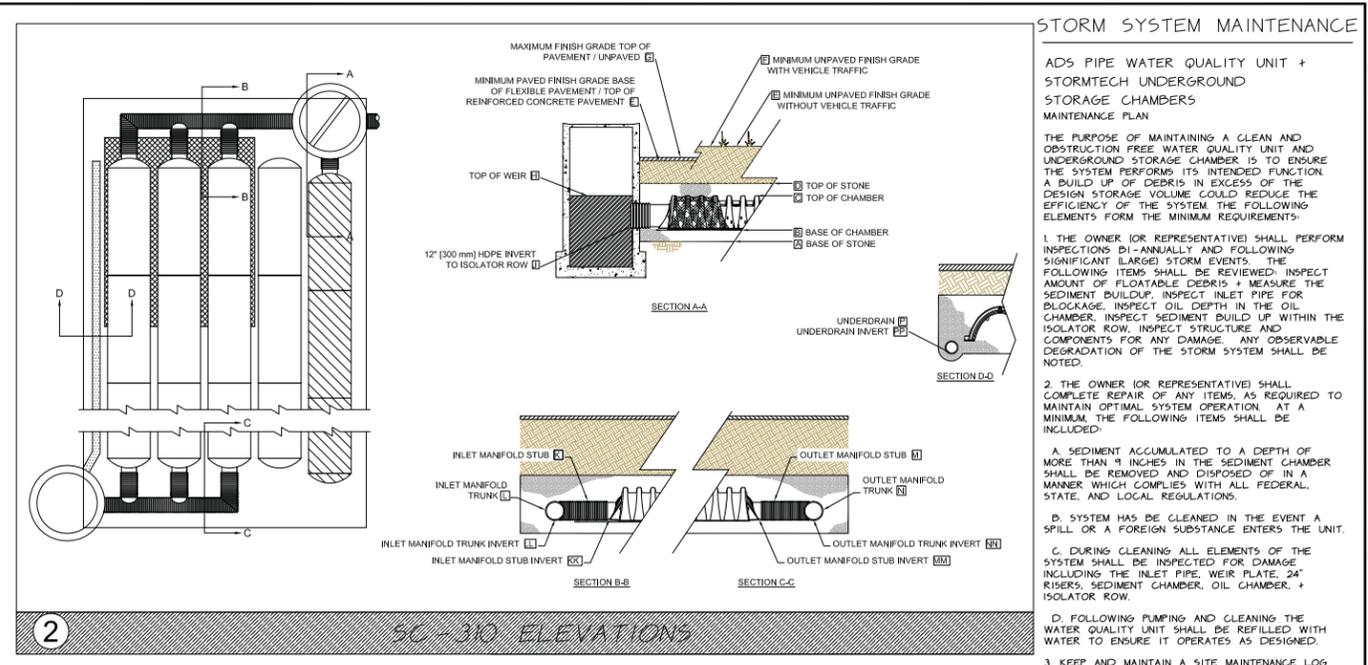
O'LEARY-BURKE CIVIL ASSOCIATES, P.L.C.
1 CORPORATE DRIVE, SUITE #1
ESSEX, VT
PHONE: 878-9880
FAX: 878-9889
E-MAIL: obc@olearyburke.com

Hannaford Supermarket & Pharmacy
Commerce Street
Hinesburg, VT

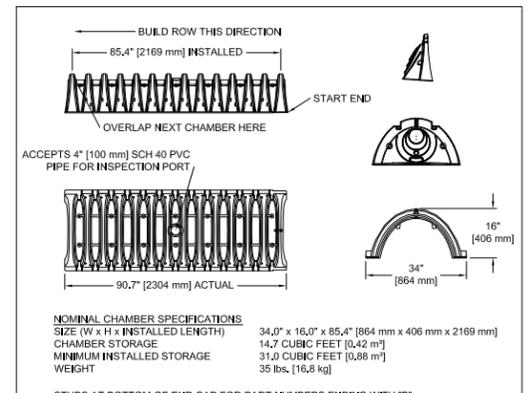
30-SCALE LOT 15
STORMWATER MANAGEMENT PLAN



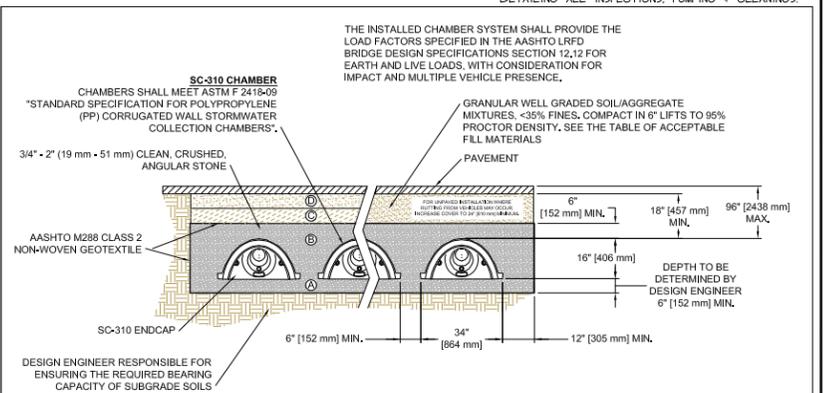
1 PLAN VIEW LAYOUT - 30 SCALE



2 SC-310 ELEVATIONS



3 SC-310 CHAMBER



4 SC-310 STANDARD CROSS SECTION

1. ALL DESIGN SPECIFICATIONS FOR STORMTECH SC-310 CHAMBERS SHALL BE IN ACCORDANCE WITH THE STORMTECH DESIGN MANUAL
2. THE INSTALLATION OF STORMTECH SC-310 CHAMBERS SHALL BE IN ACCORDANCE WITH THE LATEST STORMTECH INSTALLATION INSTRUCTIONS
3. THE CONTRACTOR IS ADVISED TO REVIEW AND UNDERSTAND THE INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION. CALL 1-888-892-2694 OR VISIT WWW.STORMTECH.COM TO RECEIVE A COPY OF THE LATEST STORMTECH INSTALLATION INSTRUCTIONS
4. CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND LOAD FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

5 SC-310 NOTES

ACCEPTABLE FILL MATERIALS: SC-310 CHAMBER SYSTEMS

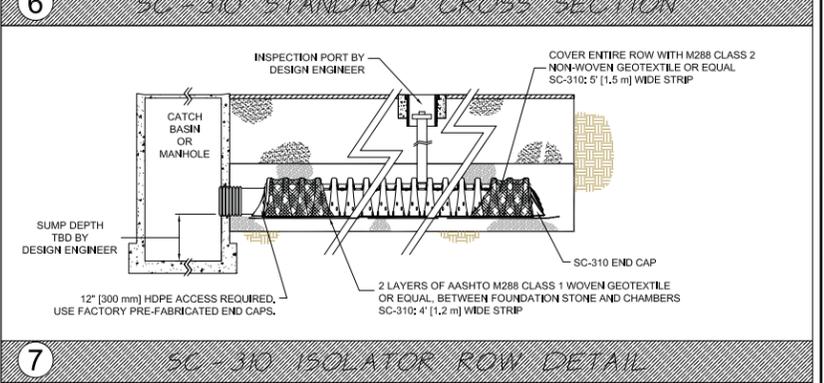
MATERIAL LOCATION	DESCRIPTION	AASHTO M33 DESIGNATION ¹	COMPACTION/DENSITY REQUIREMENT
① FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISH GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THIS LAYER.	ANY SOLID ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS, CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
② FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('E' LAYER) TO 18\"/>			

6 STORMTECH ACCEPTABLE FILL MATERIALS

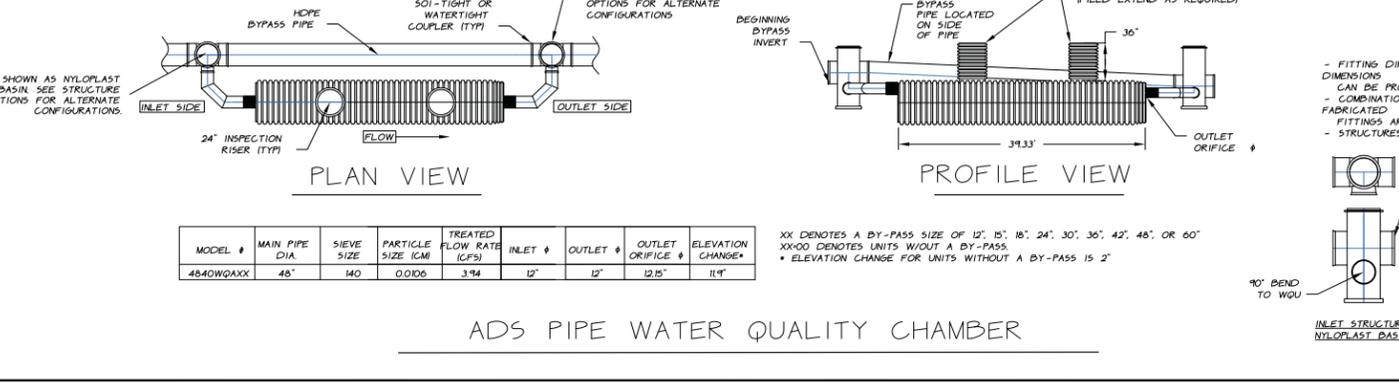
SC-310 TECHNICAL SPEC

PART#	STUB	A	B	C
SC310EPE06T	6\"/>			

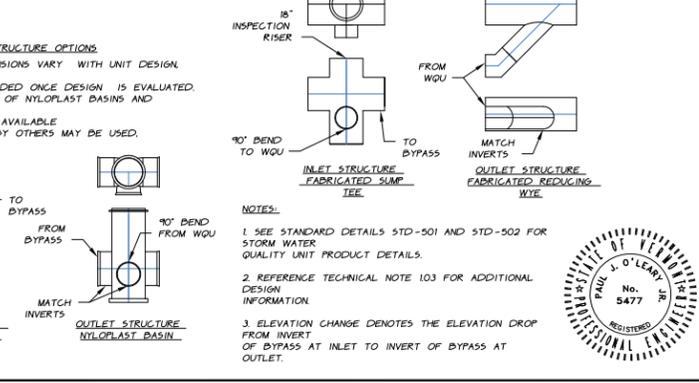
7 SC-310 TECHNICAL SPEC



8 SC-310 ISOLATOR ROW DETAIL



9 ADS PIPE WATER QUALITY CHAMBER



10 STRUCTURE OPTIONS

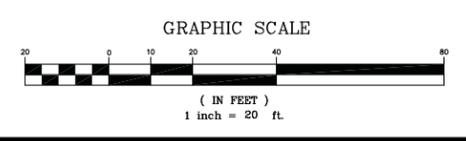
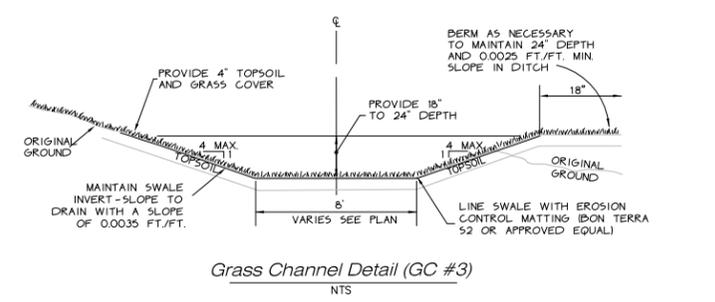
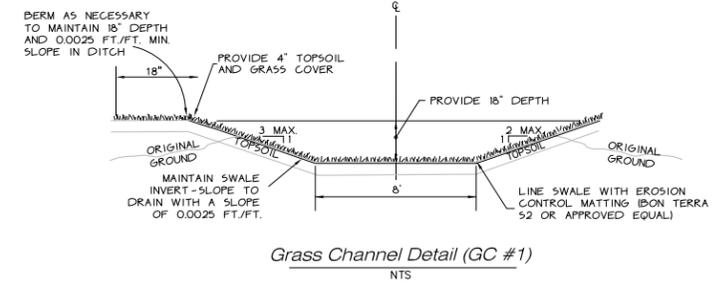
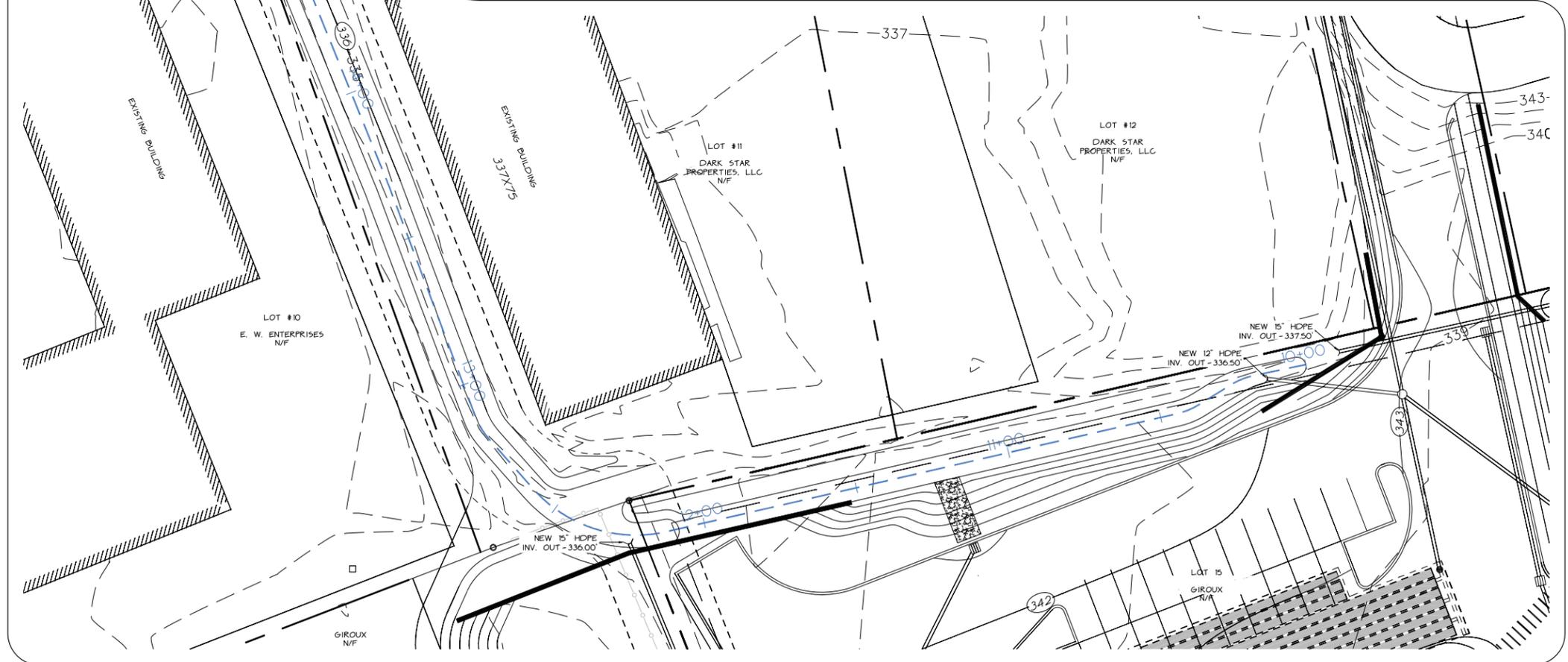
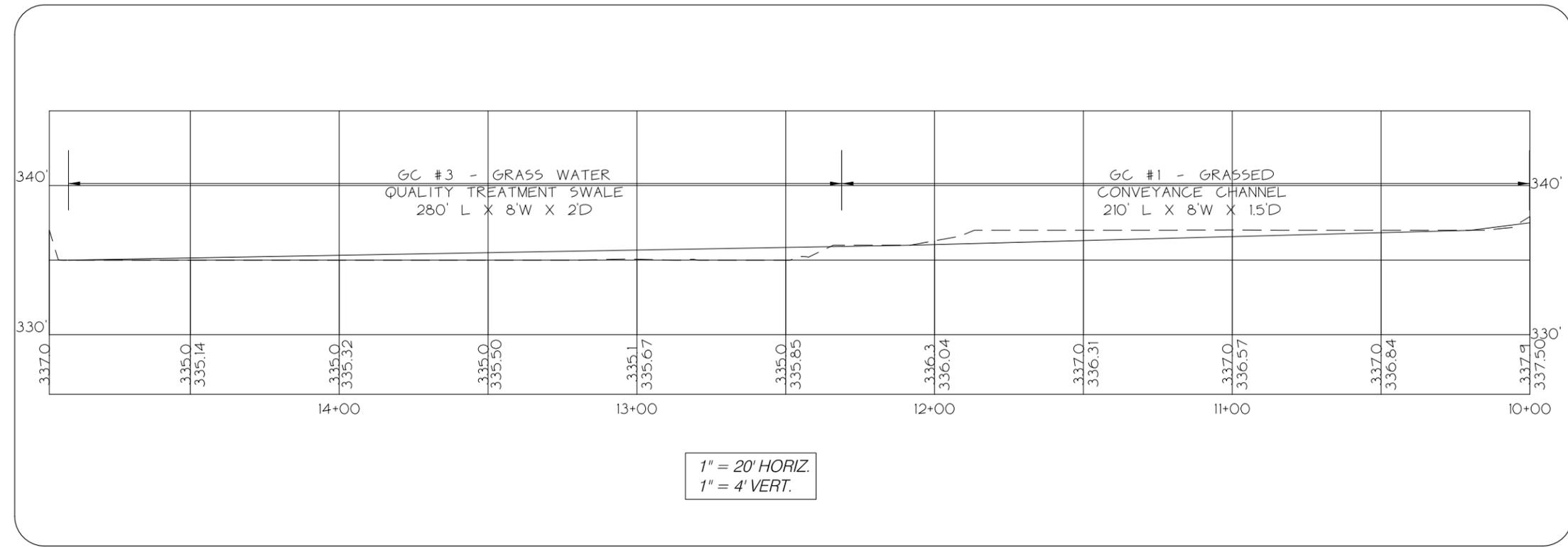
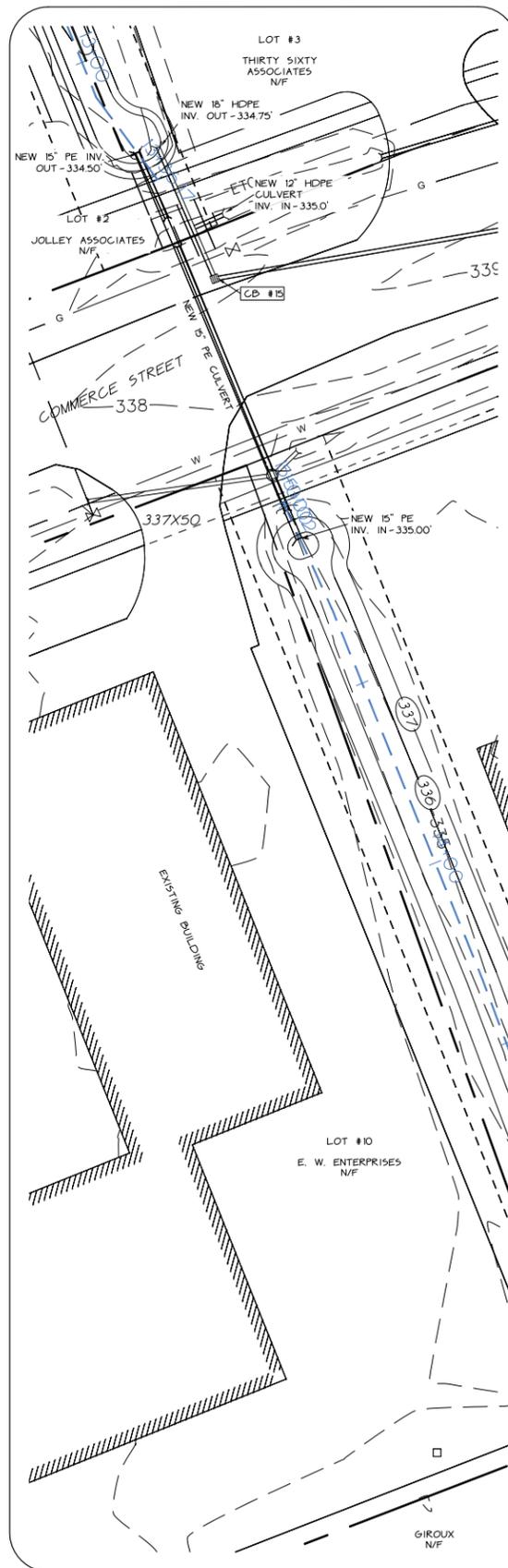
08-20-13	REVISED GRADING BETWEEN LOTS 23 AND LOTS 10/11	BLB
09-11-13	CORRECTED BUILDING SIZE LABEL	BLB
DATE	REVISION	BY
02-27-13	REVISED STORM DESIGN PER CONFLICT WITH LANDSCAPING PLAN	BLB
SURVEY	ORCA	DATE
DESIGN	ORCA	08-21-12
DRAWN	BLB	JOB#
CHECKED	R/O	9066-STORM
SCALE	AS NOTED	PLAN SHEET #
		S3

O'LEARY-BURKE CIVIL ASSOCIATES, PLC

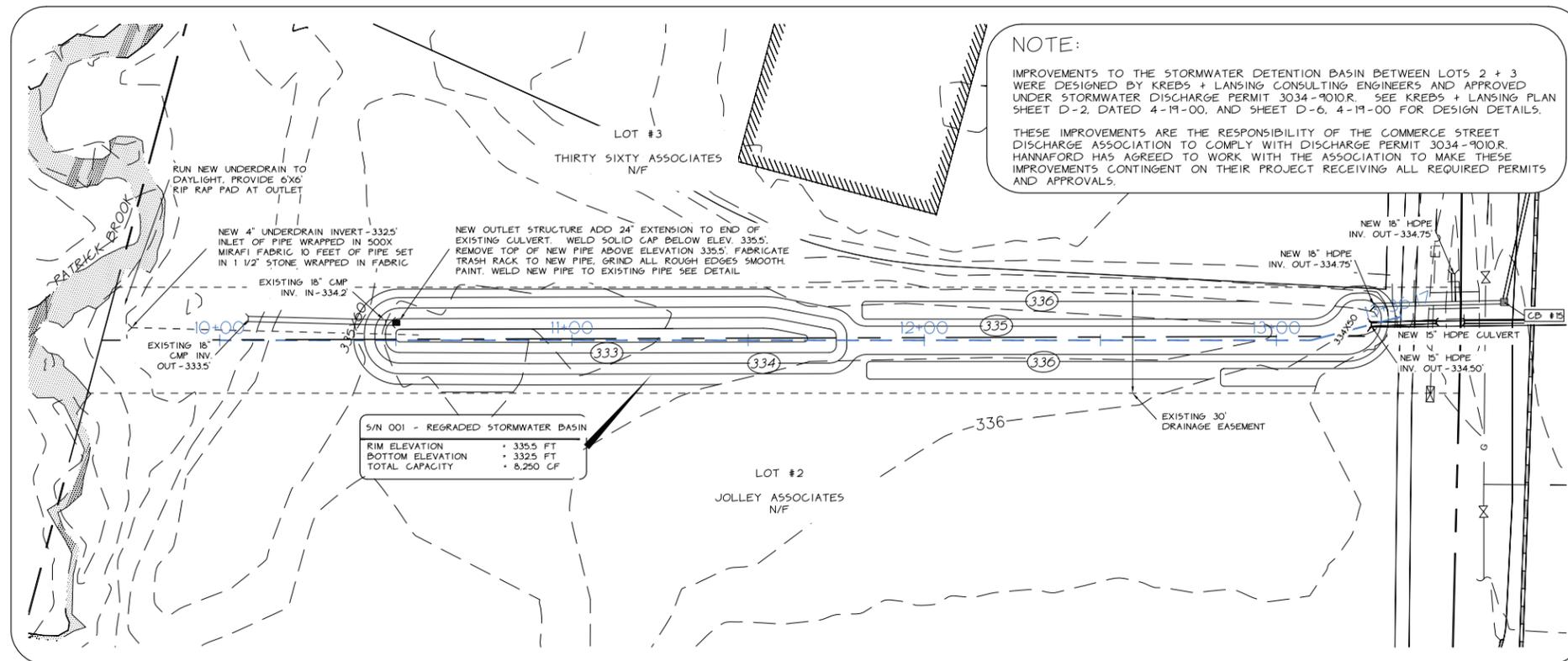
1 CORPORATE DRIVE, SUITE #1
ESSEX, VT
PHONE: 878-9888
FAX: 878-9889
E-MAIL: ocb@olearyburke.com

Hannaford Supermarket & Pharmacy
Commerce Street
Hinesburg, VT

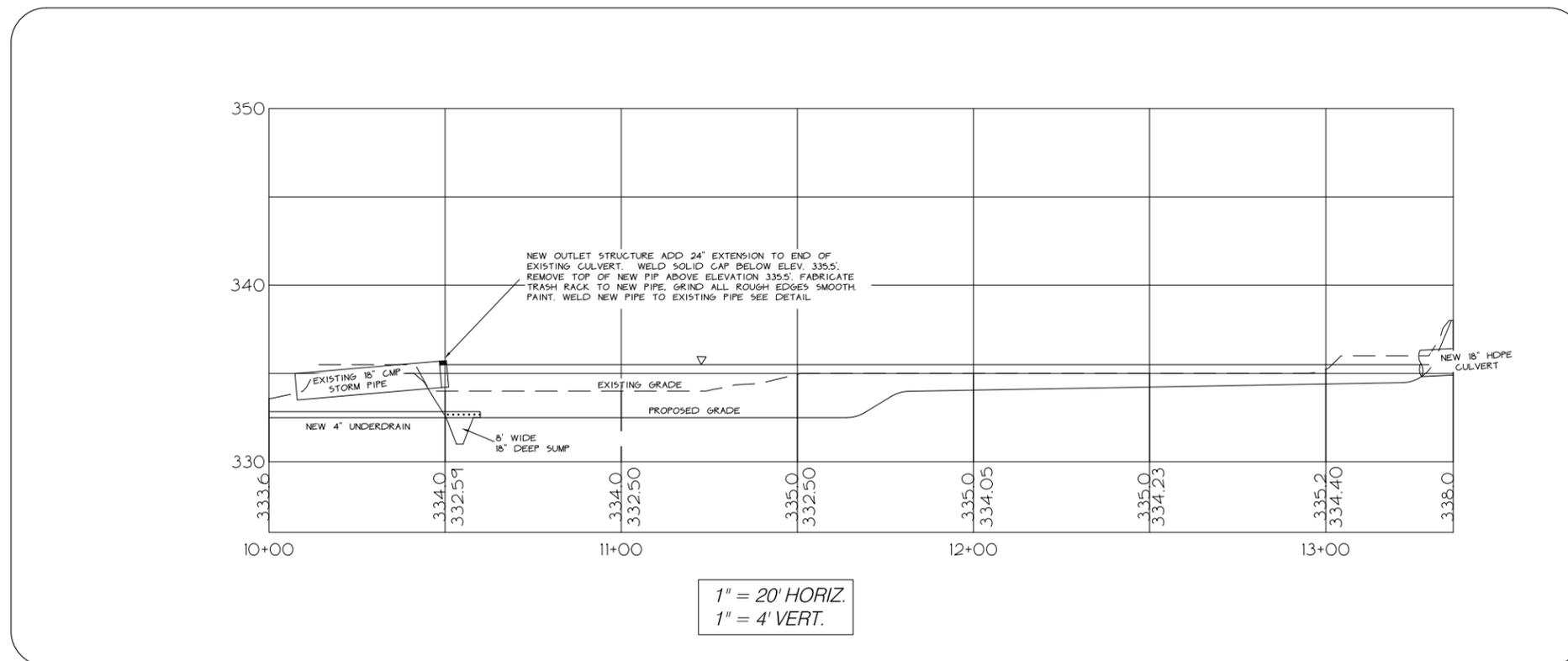
LOT 15 STORMWATER MANAGEMENT DETAILS & SPECIFICATIONS



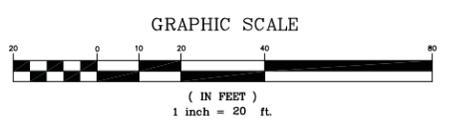
DATE	06-20-13	REVISION	REVISED GRADING BETWEEN LOTS 2/3 AND LOTS 10/11	BY	BLB
SURVEY	03-11-13	REVISION	CORRECTED BUILDING SIZE LABEL	BY	BLB
DESIGN	OB/CA	RECORD DRAWING		DATE	08-21-12
DESIGN	OB/CA	FINAL		JOB#	3066
DRAWN	BLB	SKETCH/CONCEPT		FILE	9066-STORM
CHECKED	PJO			PLAN SHEET #	S4
SCALE	1"=20'	O'LEARY-BURKE CIVIL ASSOCIATES, PLC 1 CORPORATE DRIVE, SUITE #1 ESSEX, VT PHONE: 878-9889 FAX: 878-9889 E-MAIL: obca@olearyburke.com		Hannaford Supermarket & Pharmacy Commerce Street Hinesburg, VT	
20-SCALE GRASS CHANNEL PLAN AND PROFILE					



NOTE:
 IMPROVEMENTS TO THE STORMWATER DETENTION BASIN BETWEEN LOTS 2 + 3 WERE DESIGNED BY KREBS + LANSING CONSULTING ENGINEERS AND APPROVED UNDER STORMWATER DISCHARGE PERMIT 3034-9010R. SEE KREBS + LANSING PLAN SHEET D-2, DATED 4-19-00, AND SHEET D-6, 4-19-00 FOR DESIGN DETAILS.
 THESE IMPROVEMENTS ARE THE RESPONSIBILITY OF THE COMMERCE STREET DISCHARGE ASSOCIATION TO COMPLY WITH DISCHARGE PERMIT 3034-9010R. HANNAFORD HAS AGREED TO WORK WITH THE ASSOCIATION TO MAKE THESE IMPROVEMENTS CONTINGENT ON THEIR PROJECT RECEIVING ALL REQUIRED PERMITS AND APPROVALS.



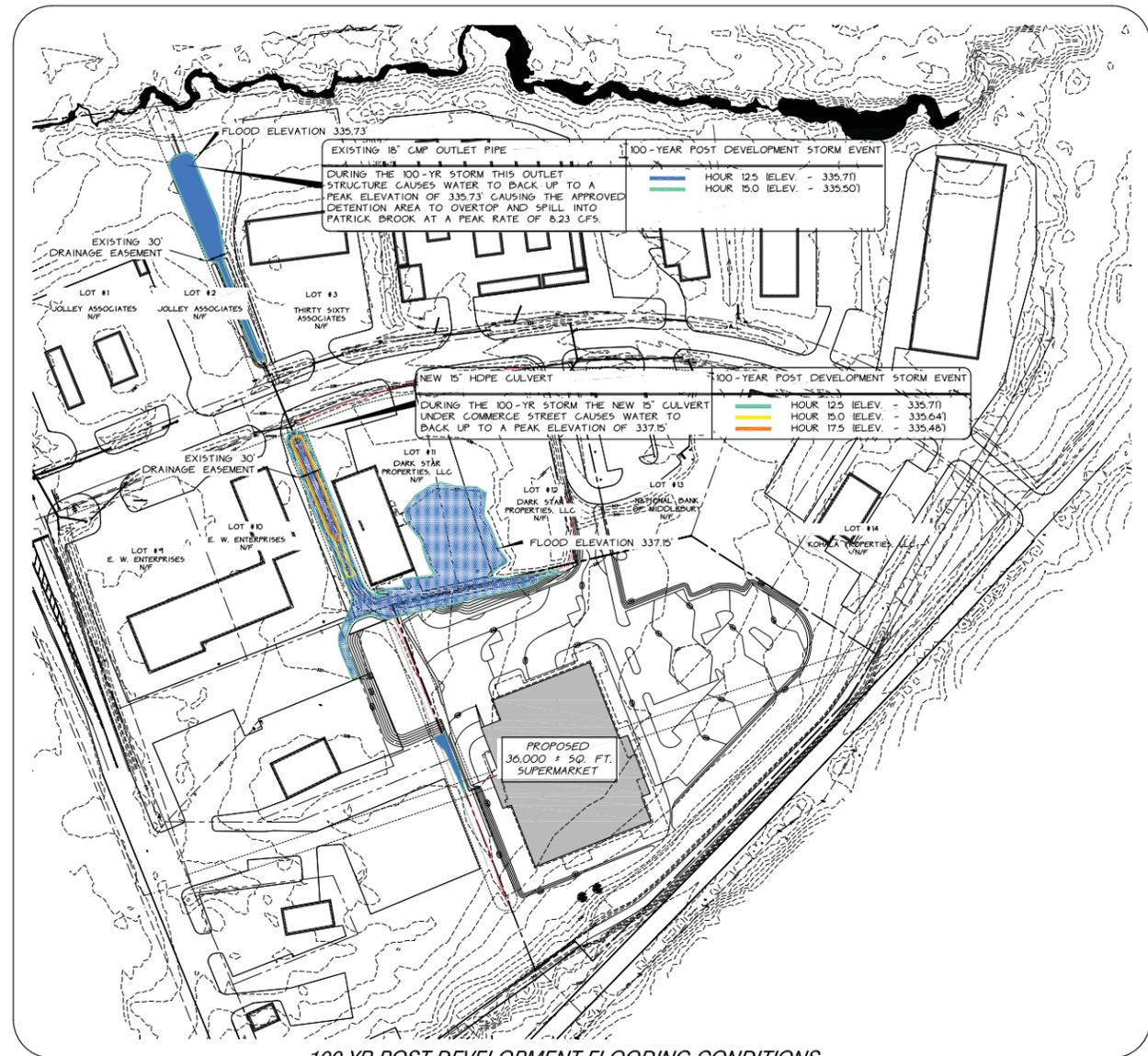
1" = 20' HORIZ.
 1" = 4' VERT.



08-08-13	REVISED GRADING BETWEEN LOTS 2/3	BLB
06-20-13	REVISED GRADING BETWEEN LOTS 2/3 AND LOTS 10/11	BLB
03-11-13	REVISION CORRECTED BUILDING SIZE LABEL	BY BLB
DATE	REVISION	DATE
SURVEY OBCA	<input type="checkbox"/> RECORD DRAWING <input type="checkbox"/> PRELIMINARY	08-21-12
DESIGN OBCA	<input checked="" type="checkbox"/> FINAL <input type="checkbox"/> SKETCH/CONCEPT	JOB# 3066
DRAWN BLB	Hannafood Supermarket & Pharmacy Commerce Street Hinesburg, VT	
CHECKED FJO	FILE 9066 STORM	
SCALE 1"=20'	PLAN SHEET # S5	



100-YR PRE DEVELOPMENT FLOODING CONDITIONS



100-YR POST DEVELOPMENT FLOODING CONDITIONS

100-YEAR STORM ANALYSIS:

TWO SCENARIOS WERE MODELED:

1. THE EXISTING CONDITIONS OF THE DRAINAGE AREA WITH THE APPROVED BUT NOT YET CONSTRUCTED DETENTION POND IMPROVEMENTS;
 2. THE DRAINAGE AREA WITH THE ADDITION OF HANNAFORD'S STORMWATER IMPROVEMENTS INCLUDING THE TWO UNDERGROUND STORAGE AREAS, STORMWATER DIVERSION STRUCTURE (CB #13), NEW STORMWATER PIPING DOWN COMMERCE STREET, IMPROVEMENTS TO THE GRASS CHANNELS BETWEEN LOTS 11 AND 15 AND LOTS 10 AND 11, AND REPLACEMENT OF THE EXISTING CULVERT UNDER COMMERCE STREET;
- DRAINAGE AREA 5/N 001 IS APPROXIMATELY 110-ACRES AND COLLECTS RUNOFF FROM A PORTION OF LOT 10, LOTS 11, LOTS 12, A PORTION OF LOT 13, A PORTION OF LOT 14, AND PORTIONS OF THE 6100X AUTOBODY AND SALVAGE YARD TO THE WEST OF THE PROPOSED PROJECT. THE DRAINAGE AREA HAS AN EXISTING IMPERVIOUS COVERAGE OF APPROXIMATELY 300-ACRES, WITH THE PROPOSED DEVELOPMENT OF LOT 15 AREA AN ADDITIONAL 2.61-ACRE OF IMPERVIOUS AREA WILL BE CREATED FOR A TOTAL OF 5.01-ACRES OF IMPERVIOUS COVERAGE IN DRAINAGE AREA 5/N 001.
- RUNOFF IN THIS DRAINAGE AREA IS COLLECTED BY TWO EXISTING GRASS CHANNELS WHICH MERGE AND CROSS UNDER COMMERCE STREET VIA AN EXISTING 15" CORRUGATED METAL CULVERT; THIS CULVERT THEN DRAINS TO AN EXISTING 18" CORRUGATED METAL CULVERT WHICH DISCHARGES INTO A LONG LINER DETENTION AREA. THE DETENTION AREA IS CONTROLLED BY AN 18" CORRUGATED METAL PIPE WHICH DISCHARGES DIRECTLY INTO PATRICK BROOK.
- AS PART OF THE PROPOSED HANNAFORD'S PROJECT A NEW INNOVATIVE PRETREATMENT AND UNDERGROUND STORAGE SYSTEM HAS BEEN PROPOSED. ALSO PROPOSED ARE A NEW STORMWATER DIVERSION STRUCTURE (CB #13), NEW STORM PIPING DOWN COMMERCE STREET, IMPROVEMENTS TO THE EXISTING GRASS CHANNELS BETWEEN LOTS 11 AND 15 AND LOTS 10 AND 11, AND REPLACEMENT OF THE EXISTING CULVERT UNDER COMMERCE STREET.

BOTH THE EXISTING AND PROPOSED SCENARIOS WERE MODELED WITH THE APPROVED, BUT NOT YET CONSTRUCTED, DETENTION POND IMPROVEMENTS DESIGNED BY KREBS AND LANSING ENGINEERS AS PART OF THE PROJECTS' 3-900 PERMIT RENEWAL.

EXISTING CONDITIONS - 100 YR STORM EVENT:

AS SEEN IN THE ATTACHED MODEL REPORTS DURING THE 100-YEAR STORM EVENT AN UNDEVELOPED LOT 15 HAS A PEAK DISCHARGE OF 8.26 CFS INTO THE DRAINAGE CHANNEL BETWEEN LOTS 10 AND 11. THIS RUNOFF COMBINED WITH THE RUNOFF OF THE OTHER CONTRIBUTING PROPERTIES CAUSES RUNOFF TO BACK UP AT THE EXISTING CULVERT UNDER COMMERCE STREET. OUR MODEL INDICATES THAT THE WATER BACKS UP TO AN ELEVATION OF 337.26' WHICH FLOODS THE EXISTING DRAINAGE CHANNEL BETWEEN LOTS 10 AND 11, THE NORTHWEST CORNER OF LOT 15 AND THE SOUTHERN PORTION OF THE DARKSTAR PARKING AREA. THE FLOODING IN THIS AREA IS CAUSED BY THE EXISTING CULVERT UNDER COMMERCE STREET NOT BEING ABLE KEEP UP WITH THE INFLUX OF RUNOFF. THIS FLOODING CONDITION IS EXPECTED TO LAST APPROXIMATELY 20.0 HOURS BEFORE THE WATER LEVEL THEN DROPS BELOW AN ELEVATION 335.50'. THE DARKSTAR BUILDING HAS A FINISH FLOOR ELEVATION OF 337.75' AND IS NOT IMPACTED BY THIS FLOODING.

DURING THE 100-YEAR STORM PEAK THE IMPROVED DETENTION POND LOCATED BETWEEN LOTS 2 AND 3 ALSO FLOODS. THE KREBS AND LANSING DESIGN HAS AN OVERFLOW ON THE OUTLET STRUCTURE SET AT ELEVATION 335.5'; THE TOP OF THE POND IS THEN ONLY SLIGHTLY HIGHER AT 335.6'. THIS FLOODING CONDITION OCCURS AT HOUR 15.00 AND LASTS UNTIL HOUR 22.50, DURING THIS PERIOD OF FLOODING THE RATE OF OVERFLOW INTO PATRICK BROOK PEAKS AT APPROXIMATELY 4.18 CFS. THE BUILDINGS ADJACENT TO THE LOT 2 AND 3 DETENTION AREA ARE SET HIGH ENOUGH SO THAT THEY ARE NOT IMPACTED BY THIS FLOODING.

PROPOSED CONDITIONS - 100 YR STORM EVENT:

DURING THE 100 YEAR STORM EVENT FOR THE POST DEVELOPED CONDITIONS LOT 15 HAS A PEAK DISCHARGE OF 17.23 CFS. THIS DISCHARGE IS BROKEN DOWN INTO 12.85 CFS WHICH FLOWS DOWN COMMERCE STREET EXTENSION VIA THE NEW 18" STORMLINE, 0.61 CFS WHICH FLOWS OUT VIA THE 3" ORIFICE IN THE OUTLET STRUCTURE INTO THE IMPROVED GRASS CHANNEL BETWEEN LOTS 11 AND 15, AND 3.77 CFS WHICH FLOODS OUT OF THE TOP OF THE OUTLET STRUCTURE AND INTO THE IMPROVED GRASS CHANNEL BETWEEN LOTS 10 AND 11. THE PEAK DISCHARGE INTO THE LOT 10 AND 11 DRAINAGE CHANNEL FROM LOT 15 IS 4.38 CFS, LESS THAN WHAT THE DARKSTAR PROPERTY CURRENTLY SEES FROM AN UNDEVELOPED LOT 15. BECAUSE A MAJORITY OF RUNOFF FROM THE 100-YEAR STORM EVENT IS PIPED AROUND THE DARKSTAR PROPERTY, AND AS A RESULT OF PROPOSED IMPROVEMENTS TO LOT 10 AND 11 DRAINAGE CHANNEL, AND REPLACEMENT OF THE EXISTING CULVERT UNDER COMMERCE STREET FLOODING CONDITIONS AT THE COMMERCE STREET CULVERT IMPROVE. OUR MODEL INDICATES THAT IN THE PROPOSED SCENARIO WATER BACKS UP TO AN ELEVATION OF 337.15'. THIS FLOODING CONDITIONS IS EXPECTED TO LAST LESS THAN 15 HOURS BEFORE THE WATER LEVEL DROPS BACK DOWN TO AN ELEVATION OF 335.50'.

THE IMPROVED DETENTION POND ALSO FLOODS DURING THE 100-YEAR POST DEVELOPMENT SCENARIO PEAKING AT A HEIGHT OF 335.73' AT HOUR 12.5 AND LASTING UNTIL HOUR 15 IS BEFORE THE POND DROPS BELOW ELEVATION 335.50'. DURING THIS PERIOD OF FLOODING THE PEAK DISCHARGE INTO PATRICK BROOK IS 8.23 CFS.

THE PROPOSED STORMWATER DETENTION SYSTEM AND ASSOCIATED DRAINAGE IMPROVEMENTS WILL HELP ALLEVIATE SOME OF THE FLOODING WHICH THE DARKSTAR PROPERTY CURRENTLY EXPERIENCES. THE PEAK WATER LEVEL IS EXPECTED TO DROP BY 0.10' AND LAST ONLY 15 HOURS WHERE UNDER CURRENT CONDITIONS IT LASTS FOR 20 HOURS. THE FLOODING AT THE LOT 2 AND 3 DETENTION AREA ALSO IMPROVES, THE POND STILL OVERTOPS BUT FOR A SUBSTANTIALLY SHORTER TIME PERIOD, 15 HOURS UNDER THE PROPOSED CONDITIONS VERSUS 75 HOURS FOR THE EXISTING CONDITIONS.

IN CONCLUSION THE HANNAFORD'S STORMWATER SYSTEM HAS BEEN DESIGNED TO PROVIDE A HIGHER LEVEL OF TREATMENT AND DETENTION THAN REQUIRED UNDER THE 2002 VSMM. WITH THE NEW CULVERT UNDER COMMERCE STREET, REGARDLESS DRAINAGE CHANNEL, AND THE HANNAFORD ON-SITE DETENTION SYSTEM THE FLOODING CONCERNS RAISED BY THE ADJACENT PROPERTY OWNER, DARKSTAR, ARE EXPECTED TO IMPROVE DURING THE 1-YR, 10-YR, AND 100-YR STORM EVENTS.

DATE	06-20-13	REVISION	REVISED GRADING BETWEEN LOTS 2/3 AND LOTS 10/11	BY	BJB
DATE	03-11-13	REVISION	CORRECTED BUILDING SIZE LABEL	BY	BJB
SURVEY	OB/CA	<input type="checkbox"/> RECORD DRAWING	<input type="checkbox"/> PRELIMINARY	DATE	08-21-12
DESIGN	OB/CA	<input checked="" type="checkbox"/> FINAL	<input type="checkbox"/> SKETCH/CONCEPT	JOB#	3066
DRAWN	BJB	Hannaford Supermarket & Pharmacy		FILE	9066 STORM
CHECKED	PLJ	O'LEARY-BURKE CIVIL ASSOCIATES, PLC		PLAN SHEET #	S6
SCALE	1"=100'	1 CORPORATE DRIVE, SUITE #1 ESSEX, VT PHONE: 878-9889 FAX: 878-9889 E-MAIL: obca@olearyburke.com		100-SCALE OVERALL STORMWATER MANAGEMENT PLAN	



Legend

- PROJECT BOUNDARY
- OTHER PROPERTY LINE
- SIDELINE OF EASEMENT
- - - 506 - - - CONTOUR LINE (U.S.G.S. DATUM)
- - - PROPOSED FINISH GRADE CONTOUR
- EDGE OF WOODED AREA
- EXISTING IRON PIPE
- EXISTING CONCRETE MONUMENT
- IRON PIPE (TO BE SET)
- CONCRETE MONUMENT (TO BE SET)
- ⊙ RESIDENTIAL USE
- ⊙ COMMERCIAL USE
- ⊙ UNDEVELOPED
- ETC --- EXISTING ELECTRIC/TV/TELEPHONE LINE
- S --- EXISTING SEWERLINE
- □ --- EXISTING STORMLINE
- W --- EXISTING WATERLINE
- EXISTING/PROPOSED HYDRANT
- AdD --- SOIL TYPE + BOUNDARY
- CONSTRUCTION PHASE LIMIT
- CONSTRUCTION FENCE
- SILT FENCE
- NEW EDGE OF WOODS
- INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY PERIMETER SWALE

(NOTE : PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)

GENERAL NOTES :

1. THE PURPOSE OF THESE PLANS IS TO :
 - A. MINIMIZE THE AREA OF DISTURBED SOILS AND TO MINIMIZE THE DURATION THAT ANY AREAS ARE LEFT OPEN.
 - B. ISOLATE THE AREAS OF DISTURBANCE TO PREVENT AND CONTROL EROSION CAUSED BY RUN-OFF.
 - C. CONTROL THE AMOUNTS OF SEDIMENT THAT MAY RESULT FROM ANY SITE EROSION.
2. A COPY OF THE CONSTRUCTION GENERAL PERMIT AND A SET OF THE PLANS WILL BE AVAILABLE AT THE JOB TRAILER ON-SITE.
3. TYLER STERLING WILL BE THE ON-SITE COORDINATOR, PHONE #207) 885-3356.
4. THE ON-SITE COORDINATOR SHALL INSPECT AND KEEP A WRITTEN RECORD OF THE EROSION AND SEDIMENT CONTROL STRUCTURES AND MEASURES AT A MINIMUM OF ONCE A WEEK AND ALSO WITHIN 24 HOURS OF ANY STORM EVENT THAT DISCHARGES RUN-OFF FROM THE SITE.
5. THE ON-SITE COORDINATOR SHALL KEEP A WRITTEN RECORD OF EROSION CONTROL INSPECTIONS AND ANY MONITORING DATA FOR A MINIMUM OF THREE (3) YEARS FOLLOWING COMPLETION OF CONSTRUCTION.
6. REFER TO PLAN SHEETS E1 THROUGH E9 FOR ALL EROSION CONTROL PLANS, DETAILS AND SPECIFICATIONS.

	KW Value	Impacted Area (acres)	Total Area (acres)
Le - Limerick Silt Loam	0.49 - HIGH	0.36	0.36
Lf - Limerick Silt Loam, Very Wet	0.49 - HIGH	1.23	1.25
MyB - Munson and Raynham Silt Loams, 2 to 6 percent slopess	0.49 - HIGH	1.29	1.58
Wo - Winooski Very Fine Sandy Loam	0.48 - HIGH	2.26	2.26
			5.45

ON-SITE PLAN COORDINATOR:
TYLER STERLING
PHONE - (207) 885-3356

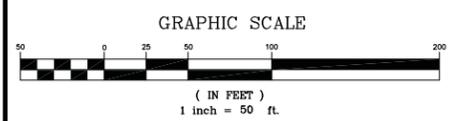
NOTE:
 *NO MORE THAN 2-ACRES OF EARTH DISTURBANCE ALLOWED AT ANY ONE TIME
 *ALL DISTURBED AREAS SHALL BE TEMPORARY MULCHED WITHIN 14 DAYS OF INITIAL DISTURBANCE UNLESS:
 1. IF NO PRECIPITATION WITHIN 24 HOURS IN FORECAST AND WORK WILL RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS.
 2. DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS HOUSE FOUNDATIONS OR OPEN UTILITY TRENCHES.

INSPECTION SCHEDULE	WEEKLY	AFTER EACH RAINFALL THAT GENERATES STORMWATER FROM SITE
INSPECT SILT FENCING	X	X
INSPECT CONSTRUCTION FENCE	X	X
INSPECT AREAS TEMPORARILY MULCHED	X	X
INSPECT TEMPORARY SOIL STOCKPILE	X	X
INSPECT STABILIZED CONSTRUCTION ENTRANCES	X	X
INSPECT TEMPORARY PERIMETER SWALES	X	X
INSPECT AREAS THAT HAVE BEEN TOPSOILED + MULCHED	X	X
INSPECT STORMWATER SYSTEM AND SEDIMENT TRAPS	X	X

NOTE: INSPECTIONS SHOULD NOT BE LIMITED TO THE PRACTICES AND LOCATION SPECIFIED BUT THE ENTIRE SITE INCLUSIVE OF ALL CONSTRUCTION ACTIVITY AND ANY APPLICABLE BEHAVIORAL OR STRUCTURAL BMPs.

PLAN INDEX

SHT.	PLAN DESCRIPTION
E1	EPSC PRE-CONSTRUCTION PLAN
E2	EPSC CONSTRUCTION PLAN 'PHASE I'
E3	EPSC CONSTRUCTION PLAN 'PHASE II'
E4	EPSC CONSTRUCTION PLAN 'PHASE IIIA'
E5	EPSC CONSTRUCTION PLAN 'PHASE IIIB'
E6	EPSC CONSTRUCTION PLAN 'PHASE IIIC'
E7	EPSC CONSTRUCTION PLAN 'PHASE IV'
E8	EPSC STABILIZATION PLAN
E9	EPSC DETAILS + SPECIFICATIONS



Owner
 GIROUX FAMILY TRUST
 C/O BERNARD A. JUNE T.,
 VICTOR T. + ROMONA
 9318 ROUTE 116
 HINESBURG, VT 05461

Applicant
 MARTIN'S FOOD OF
 SOUTH BURLINGTON, INC.
 C/O TYLER STERLING
 PO BOX 1000
 PORTLAND, ME 04104



10-02-13	REVISED LIMITS OF CONSTRUCTION AT SOUTHEAST CORNER OF SITE	BLB
9-09-13	ADDED DEWATERING DETAIL AND DUST CONTROL NOTE	BLB
8-21-13	REVISED CONSTRUCTION PHASING	BLB
3-11-13	ADDED NOTE REGARDING PROTECTION OF EXISTING TREES	BLB
DATE	REVISION	BY
2-12-13	UPDATED ON-SITE COORDINATOR	BLB
SURVEY	OBCA	DATE
DESIGN	OBCA	08-21-12
DRAWN	BLB	JOB#
CHECKED	RJO	3000
SCALE	1"=50'	FILE
		9066-STORM
		PLAN SHEET #
		E1

Hannaford Supermarket & Pharmacy
 Commerce Street Hinesburg, VT
EPSC Pre-Construction Plan

Legend

- PROJECT BOUNDARY
 - OTHER PROPERTY LINE
 - - - SIDELINE OF EASEMENT
 - - - 500 --- CONTOUR LINE (U.S.G.S. DATUM)
 - - - PROPOSED FINISH GRADE CONTOUR
 - ~~~~~ EDGE OF WOODED AREA
 - EXISTING IRON PIPE
 - EXISTING CONCRETE MONUMENT
 - IRON PIPE (TO BE SET)
 - CONCRETE MONUMENT (TO BE SET)
 - ⊙ RESIDENTIAL USE
 - ⊙ COMMERCIAL USE
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 - - - ETC --- EXISTING ELECTRIC/TV/TELEPHONE LINE
 - - - S --- EXISTING SEWERLINE
 - - - W --- EXISTING STORMLINE
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 - ⊕ EXISTING/PROPOSED HYDRANT
 - AcD --- SOIL TYPE + BOUNDARY
 - CONSTRUCTION PHASE LIMIT
 - CONSTRUCTION FENCE
 - SILT FENCE
 - NEW EDGE OF WOODS
 - INLET PROTECTION
 - STABILIZED CONSTRUCTION ENTRANCE
 - TEMPORARY PERIMETER SWALE
 - STABILIZED WITH EROSION CONTROL BLANKET
 - STABILIZED WITH MIX 1 SEED AND MULCH
 - GRAVEL/CONCRETE/PAVEMENT
- (NOTE : PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)

INSPECTION SCHEDULE	WEEKLY	AFTER EACH RAINFALL THAT GENERATES STORMWATER FROM SITE
INSPECT SILT FENCING	X	X
INSPECT CONSTRUCTION FENCE	X	X
INSPECT AREAS TEMPORARILY MULCHED	X	X
INSPECT TEMPORARY SOIL STOCKPILE	X	X
INSPECT STABILIZED CONSTRUCTION ENTRANCES	X	X
INSPECT TEMPORARY PERIMETER SWALES	X	X
INSPECT AREAS THAT HAVE BEEN TOPSOILED + MULCHED	X	X
INSPECT STORMWATER SYSTEM AND SEDIMENT TRAPS	X	X

NOTE: INSPECTIONS SHOULD NOT BE LIMITED TO THE PRACTICES AND LOCATION SPECIFIED, BUT THE ENTIRE SITE INCLUDING OF ALL CONSTRUCTION ACTIVITY AND ANY APPLICABLE BEHAVIORAL OR STRUCTURAL BMPs.

WINTER REQUIREMENTS FOR EROSION PREVENTION + SEDIMENT CONTROL

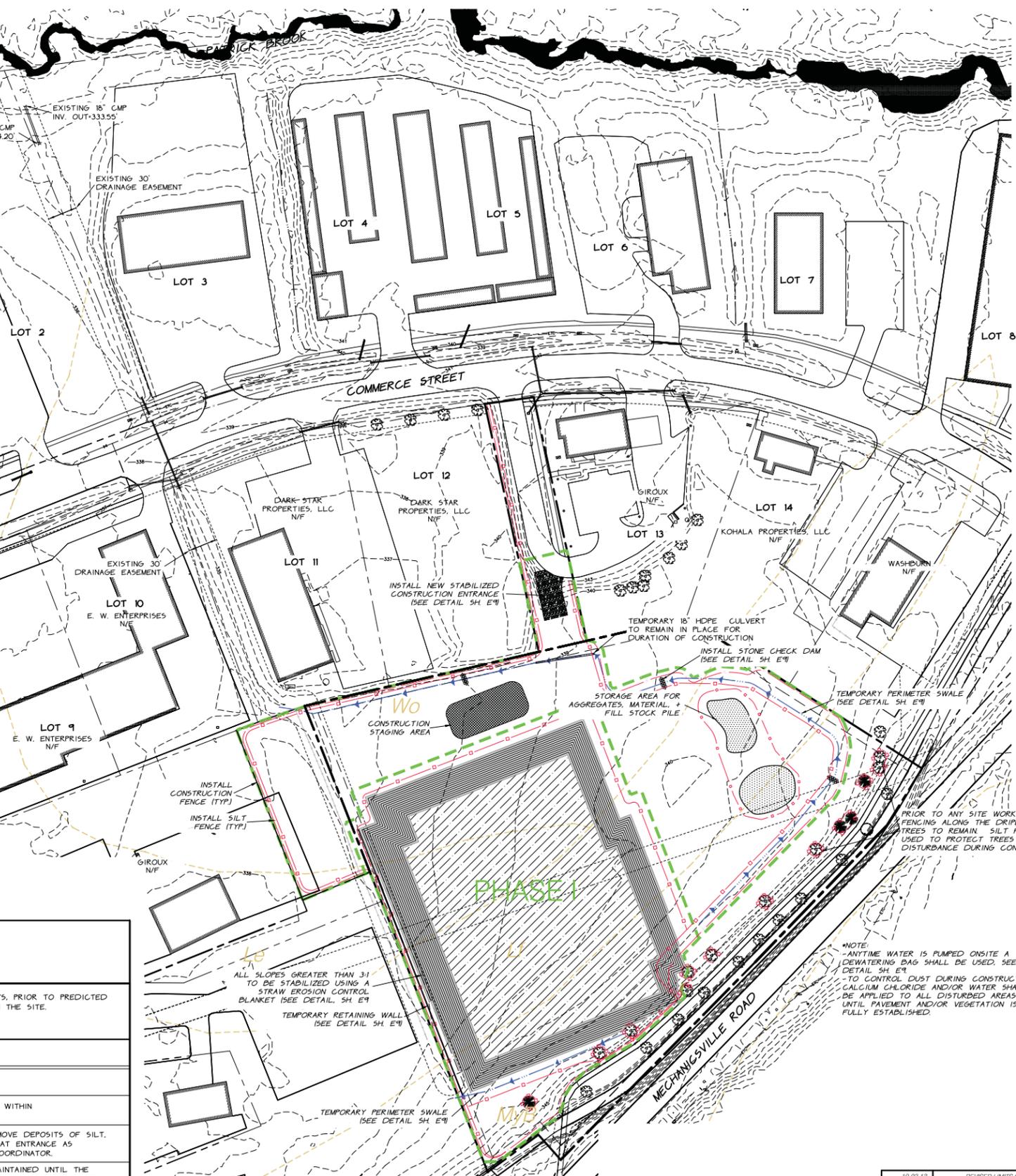
IF CONSTRUCTION ACTIVITIES INVOLVING EARTH DISTURBANCE CONTINUE PAST OCTOBER 15 OR BEGIN BEFORE APRIL 15, THE FOLLOWING EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE FOLLOWED:

- ENLARGED ACCESS POINT (AS DIRECTED BY THE ON-SITE PLAN COORDINATOR) STABILIZED TO PROVIDE FOR SNOW STOCKPILING.
- LIMITS OF DISTURBANCE MOVED OR REPLACED (AS DIRECTED BY THE ON-SITE PLAN COORDINATOR) TO REFLECT BOUNDARY OF WINTER WORK.
- STORAGE AND CONTROL OF SNOWMELT IN ACCORDANCE WITH THE SNOW MANAGEMENT PLAN OUTLINED ON PLAN SHEET E7.
- MAINTAIN A MINIMUM 25 FOOT BUFFER FROM ALL PERIMETER CONTROLS SUCH AS SILT FENCE TO ALLOW FOR SNOW CLEARING AND MAINTENANCE.
- IN AREAS OF DISTURBANCE WITHIN 100 FT OF A RECEIVING WATER, SILT FENCE SHALL BE REINFORCED OR ELSE REPLACED WITH PERIMETER DIKES, SWALES, OR OTHER PRACTICES RESISTANT TO THE FORCES OF SNOW LOADS.
- ALL DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS.
- ALL SILT FENCE OR OTHER PRACTICES REQUIRING EARTH DISTURBANCE SHALL BE IN PLACE PRIOR TO GROUND FREEZING.
- WHEN MULCH IS REQUIRED FOR STABILIZATION DOUBLE THE STANDARD RATE SHALL BE APPLIED.
- NETTING OR OTHER APPROACH (APPROVED BY THE ON-SITE PLAN COORDINATOR) SHALL BE USED TO ANCHOR MULCH TO PROTECT AGAINST WINDTHROW.
- TO ENSURE COVER OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL MUST BE STABILIZED AT THE END OF EACH WORK DAY, WITH THE FOLLOWING EXCEPTIONS:
 - IF NO PRECIPITATION WITHIN 24 HOURS IS FORECAST AND WORK WILL RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS, DAILY STABILIZATION IS NOT NECESSARY.
 - DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS HOUSE FOUNDATIONS OR OPEN UTILITY TRENCHES.
- PRIOR TO STABILIZATION SNOW AND ICE MUST BE REMOVED TO DEPTH OF NO LESS THAN 1 IN.
- DURING WINTER CONSTRUCTION A STABILIZED WORK AREA SHALL BE PROVIDED AROUND THE BUILDING (BLASTED LEDGE OR CRUSHED STONE - MIN 15" WIDE)

CONSTRUCTION SEQUENCING FOR EROSION PREVENTION + SEDIMENT CONTROL

THE ON-SITE COORDINATOR SHALL INSPECT THE SITE AND THE SEDIMENT CONTROL MEASURES A MINIMUM OF ONCE EVERY SEVEN DAYS, PRIOR TO PREDICTED STORM EVENTS AND WITHIN 24 HOURS FOLLOWING ANY PRECIPITATION WITH A VOLUME LARGE ENOUGH TO DISCHARGE RUN-OFF FROM THE SITE. THE WEEKLY REPORT AND EROSION CONTROL PLAN WILL BE KEPT ON-SITE.

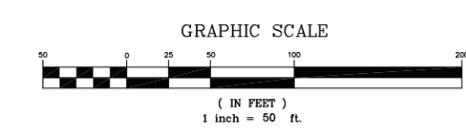
TIMETABLE	MAJOR CONSTRUCTION ITEM	EROSION CONTROL	MAINTENANCE
SPRING 2014	1. MARK LIMITS OF AREA TO BE DISTURBED.	INSTALL CONSTRUCTION FENCING AT LOCATIONS SHOWN ON PLAN.	MAINTAIN UNTIL CONSTRUCTION WITHIN PHASE 1 IS COMPLETED.
	2. INSTALL SILT FENCING, TEMPORARY CULVERT, AND STABILIZED CONSTRUCTION ENTRANCE.	INSTALL SILT FENCING, STABILIZED CONSTRUCTION ENTRANCE, AND TEMPORARY CULVERT AT LOCATIONS SHOWN ON PLAN.	MAINTAIN SILT FENCE AND REMOVE DEPOSITS OF SILT. REMOVE AND REPLACE STONE AT ENTRANCE AS ORDERED BY THE ON-SITE COORDINATOR.
	3. GRUBBING AND TOPSOIL STOCKPILING.	ANY STUMPS ARE TO BE DISPOSED OF AT AN APPROVED DISPOSAL SITE. A SILT FENCE IS TO BE INSTALLED AROUND THE BASE OF THE STOCKPILE. THE STOCKPILE IS TO BE SEEDDED AND MULCHED WITHIN 48 HOURS OF PLACEMENT.	THE SILT FENCE IS TO BE MAINTAINED UNTIL THE STOCKPILE HAS BEEN REMOVED. IN-USE AREAS OF THE STOCKPILE ARE TO BE RESEEDDED AND REMULCHED IF OPEN AND UNUSED FOR MORE THAN 14 DAYS.
SPRING/SUMMER 2014	4. CONSTRUCTION OF PERIMETER SWALES.	DISTURBED AREAS ARE TO BE MULCHED WITHIN 14 DAYS OF INITIAL DISTURBANCE.	PERIMETER SWALES ARE TO BE INSPECTED WEEKLY OR IMMEDIATELY FOLLOWING A RUN-OFF PRODUCING STORM UNTIL FULLY STABILIZED.
	5. SOIL LOADING AT SITE OF BUILDING FOOTPRINT	AREAS THAT ARE FINISH GRADED ARE TO BE SEEDDED AND MULCHED WITHIN 48 HOURS.	REMOVE SEDIMENT AND REPAIR AS NECESSARY.
	6. SEEDING AND MULCHING OF COMPLETED AREAS		DUST SHALL BE CONTROLLED USING CALCIUM CHLORIDE AND/OR WATER AS NEEDED.



ON-SITE PLAN COORDINATOR:
TYLER STERLING
PHONE - (207) 885-3356

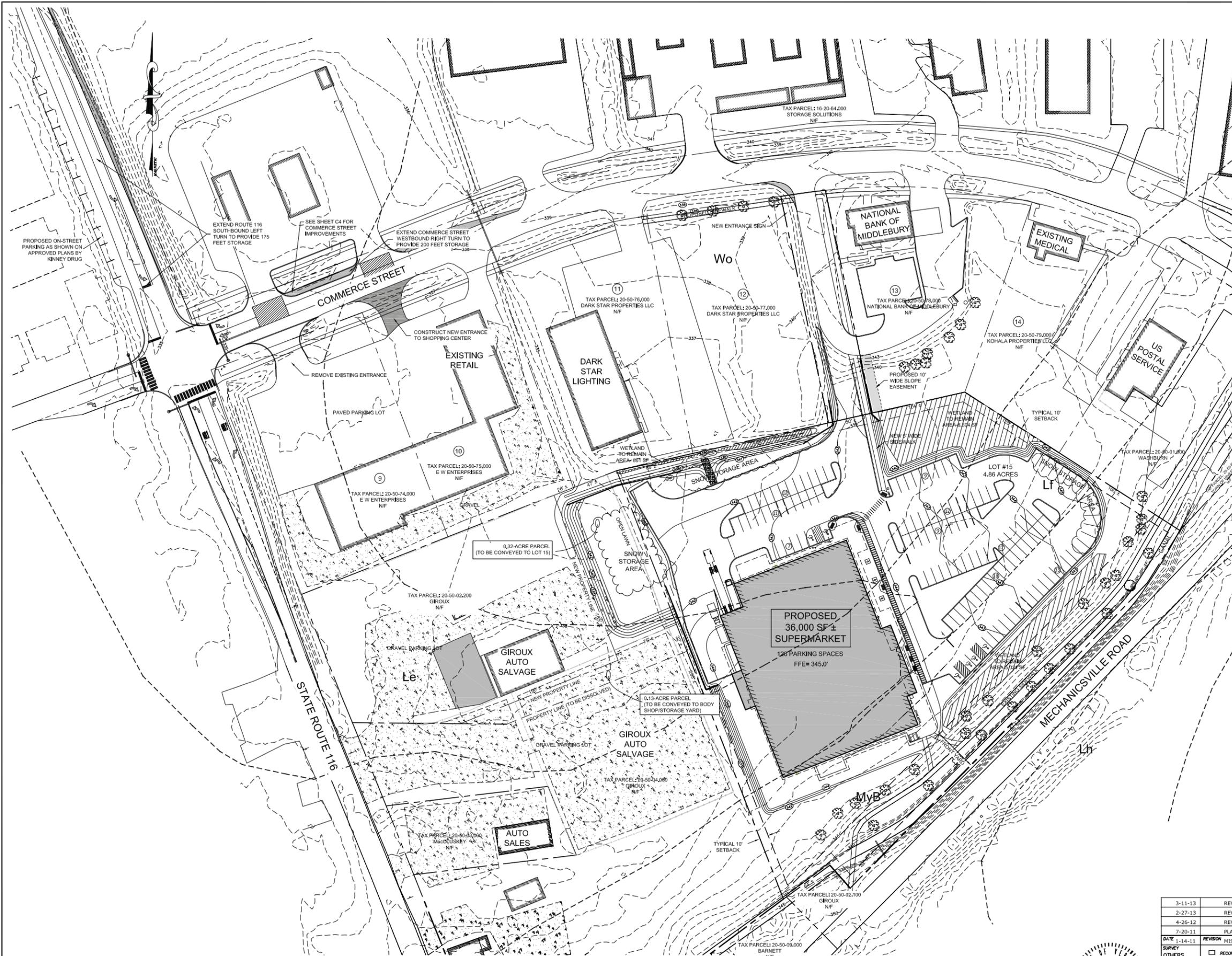
NOTE:
*NO MORE THAN 2-ACRES OF EARTH DISTURBANCE ALLOWED AT ANY ONE TIME
*ALL DISTURBED AREAS SHALL BE TEMPORARY MULCHED WITHIN 14 DAYS OF INITIAL DISTURBANCE UNLESS:
1. IF NO PRECIPITATION WITHIN 24 HOURS IN FORECAST AND WORK WILL RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS.
2. DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS HOUSE FOUNDATIONS OR OPEN UTILITY TRENCHES.

10-02-13	REVISED LIMITS OF CONSTRUCTION AT SOUTHEAST CORNER OF SITE	BLB
9-09-13	ADDED DEWATERING DETAIL AND DUST CONTROL NOTE	BLB
8-21-13	REVISED CONSTRUCTION PHASING	BLB
3-11-13	ADDED NOTE REGARDING PROTECTION OF EXISTING TREES	BLB
DATE	REVISION	BY
2-12-13	UPDATED ON-SITE COORDINATOR	BLB
SURVEY	OBCA	DATE
DESIGN	OBCA	08-21-12
DRAWN	BLB	JOB#
CHECKED	BLB	3000
SCALE	1"=30'	FILE
		9066 STORM
		PLAN SHEET #
		E2



O'LEARY-BURKE CIVIL ASSOCIATES, PLC
1 CORPORATE DRIVE, SUITE #1
ESSEX, VT
PHONE: 878-9880
FAX: 878-9889
E-MAIL: obca@olearyburke.com

Hannaford Supermarket & Pharmacy
Commerce Street
Hinesburg, VT
EPSC Construction Plan
Phase I (Loading)



LEGEND

- — — — — PROPERTY BOUNDARY
- - - - - OTHER PROPERTY LINE
- - - - - SIDELINE OF EASEMENT
- - - - - CONTOUR LINE (USGS & DATUM)
- — — — — — PROPOSED FINISH GRADE CONTOUR
- ~~~~~ EDGE OF WOODED AREA
- ▲ — — — — — EDGE OF WETLAND (CLASS III)
- EXISTING IRON PIPE
- EXISTING CONCRETE MONUMENT
- IRON PIPE (TO BE SET)
- PROPERTY BOUNDARY
- - - - - CHAIN LINK FENCE
- - - - - EXISTING ELECTRIC/TV/TELEPHONE LINE
- - - - - ETC
- S — — — — — EXISTING SEWERLINE
- □ — — — — — EXISTING STORMLINE
- W — — — — — EXISTING WATERLINE
- ⊕ EXISTING/PROPOSED HYDRANT
- AdD — — — — — SOIL TYPE & BOUNDARY

(NOTE: PROPOSED UTILITIES ARE SHOWN AS A SOLID LINE)

SOIL TYPES

- Wo WINDSOR VERY FINE SANDY LOAM
- Le LIMERICK SILT LOAM
- Lf LIMERICK SILT LOAM, VERY WET
- MyB MUNSON AND RAYNHAM SILT LOAMS, 2 TO 6 PERCENT SLOPES
- Lh LIVINGSTON CLAY
- F&E FARMINGTON EXTREMELY ROCKY LOAM, 20 T 60 PERCENT SLOPES

GENERAL NOTES:

- APPLICANT: MARTIN'S FOOD OF SOUTH BURLINGTON, INC. P.O. BOX 1000, PORTLAND, ME 04104
- PROJECT NAME: HANNAFORD SUPERMARKET & PHARMACY, LOT 15 COMMERCE STREET - HINESBURG, VERMONT
- PROJECT SITE:

LOT 15 -	4.56 ACRES
COMMERCE STREET EXTENSION -	0.30 ACRES
GIROUX BOUNDARY LINE ADJUSTMENT -	0.32 ACRES
TOTAL =	5.18 ACRES
- COMMERCIAL ZONING DIMENSIONAL REQUIREMENTS:

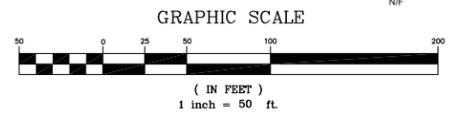
	REQUIRED	PROVIDED
MINIMUM LOT FRONTAGE	60'	542'
MINIMUM LOT DEPTH	100'	285'
MAXIMUM LOT COVERAGE	60%	57.9%

MINIMUM SETBACKS SHOWN ON PLAN
- PARKING SUMMARY:

REQUIRED MINIMUM PARKING FOR RETAIL - 1 SPACE PER 400 S.F.

SUPERMARKET (36,000 S.F. ±)
 REQUIRED MINIMUM PARKING SPACES FOR 36,000 S.F. = 90 SPACES
 PROPOSED PARKING SPACES = 128 SPACES

CART CORRALS NOT INCLUDED IN PROPOSED PARKING SPACES PROVIDED



3-11-13	REVISED VT116 LANE MARKINGS TO REFLECT UPGRADES	BJB
2-27-13	REVISED STORM DESIGN PER CONFLICT WITH LANDSCAPING PLAN	BJB
4-26-12	REVISED BUILDING FOOTPRINT, PARKING LAYOUT, BOUNDARY LINE ADJUSTMENT	BJB
7-20-11	PLAN CHANGES PER HINESBURG COMMENTS	PJO
DATE: 1-14-11	REVISION: MISCELLANEOUS PLAN CHANGES	BY: RHP
SURVEY	<input type="checkbox"/> RECORD DRAWING <input type="checkbox"/> PRELIMINARY	DATE: 11-09-10
OTHERS	<input type="checkbox"/> FINAL <input type="checkbox"/> SKETCH/CONCEPT	JOB#: 9066
DESIGN		FILE: CURRENT
PJO		PLAN SHEET #
RHP		C2
CHECKED		
PJO		
SCALE: 1"=50'		

Hannaford Supermarket & Pharmacy
 Commerce Street Hinesburg, VT

O'LEARY-BURKE CIVIL ASSOCIATES, PLC
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Overall Plan