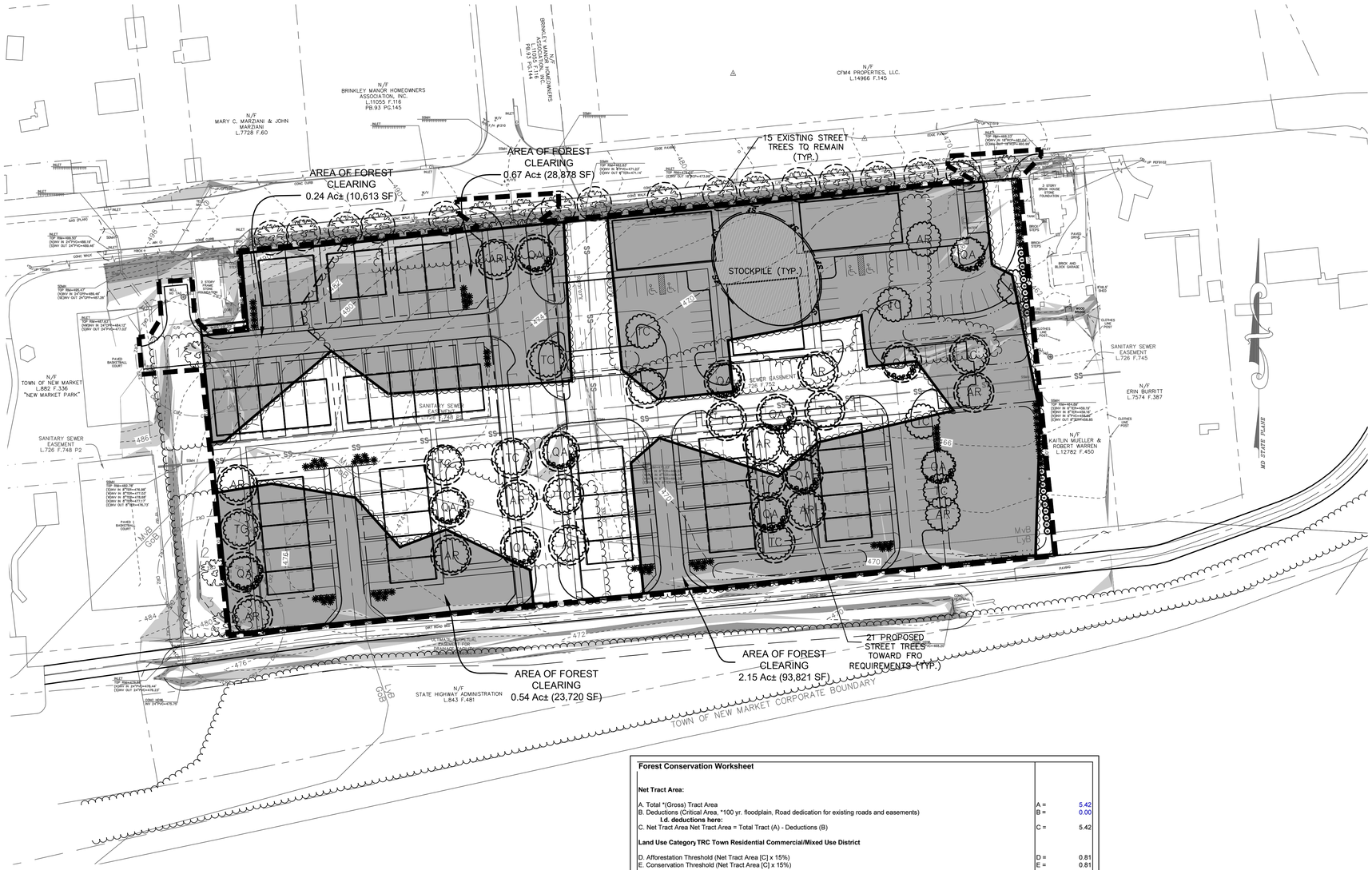
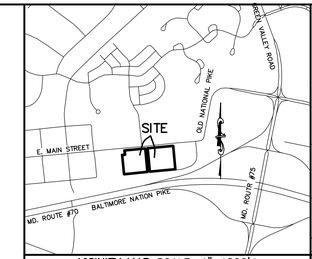
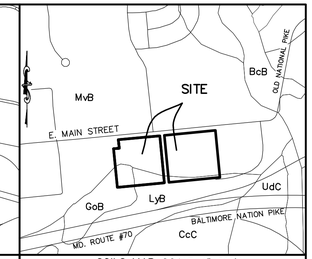




VICINITY MAP SCALE: 1"=1000'±

T.M.79, PARCEL 3812, TAX ID NO. 09-232788
T.M.79, PARCEL 3813, TAX ID NO. 09-232761



SOILS MAP SCALE: 1"=500'±

GoB–Glenville silt loam, Restricted, 3–8% slopes
LyB–Linganore–Hyattstown channery silt loam, 1/3 Restricted, 3–8% slopes
MvB–Myersville silt loam, Non–Restricted, 3–8% slopes

BASE NOTES:

1. HORIZONTAL DATUM & COORDINATES MARYLAND STATE PLANE (NAD 83/91); BASED ON FREDERICK COUNTY CONTROL MONUMENTS "MEADOW" & "CHAVEZ AZ.".
2. VERTICAL DATUM: NAVD 88; BASED ON SAME MONUMENTS.
3. TOPOGRAPHY AND PLANIMETRY PROVIDED BY HSA, MARCH 25, 2022
4. UTILITIES SHOWN ARE FIELD RUN ASBUILT LOCATIONS BY HARRIS, SMARIGA & ASSOCIATES, INC. AND SUPPLEMENTED BY AVAILABLE UTILITY DRAWINGS. THEIR LOCATION SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
4. SITE IS ALL OF THE LANDS OF D.R. ACQUISITIONS, LLC AS RECORDED IN LIBER 15683 AT FOLIO 352.
5. THIS PLAN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.
6. SITE IS ZONED "RM".
7. NO FLOODPLAIN ON SITE PER FEMA MAP #24021C0320D, DATED SEPTEMBER 19, 2007.

SOIL TYPES	HSG	Wetsoil	Floodplain
GoB Glenville	C/D	Yes	No
LyB Linganore–Hyattstown	C	No	No
MvB Myersville	B	No	No

SITE FEATURES

PERENNIAL AND INTERMITTENT STREAMS:
None, a small ephemeral channel exists to the west near Ninth Alley, this channel was utilized as an outfall prior to the Maryland State Highway Administration 2005 MD 144 Drainage Improvement Plans (Contract #FR4585174), with the MD SHA plans the water from MD 144 is now piped within an easement beyond the West property line to the existing ditch on the South side of South Alley, there is no longer a large discharge and flow of SWM across this site. There is also an ephemeral channel to the east near the adjacent residential property.

WETLANDS:
None observed on site per field investigation by American Land Concepts in November, 2021.

SOILS:
GoB: Glenville silt loam, 3–8% slopes
LyB: Linganore–Hyattstown channery silt loams, 3–8% slopes
MvB: Myersville silt loam, 3–8% slopes
(Reference: Frederick County Soil Map Atlas)

HYDRIC SOILS:
None

WET SOILS:
GoB

FLOODPLAIN SOILS:
None

STEEP PRODIBLE SOILS(Slopes greater than or equal to 15% with a K value greater than 0.35):
Kf–GoB, LyB Kw–GoB

PRIME FARMLAND:
GoB, MvB
LyB is considered "Farmland of Statewide Importance"

HIGH INFILTRATION RATE SOILS:
Group B–MvB

STEEP SLOPES:
25%+ Slopes exist along the ephemeral channel at the West and East ends of the site as well as along East Main Street to the north and the dirt road bed to the South.

CRITICAL HABITATS:
None observed.

CULTURAL FEATURES:
None evident. No structures on the site.

HISTORIC SITES
None
(Reference: Frederick County "Windshield Survey")

FORESTED CORRIDORS:
None.

FOREST:
Yes forest exists onsite.

100–YR FLOODPLAIN:
None per FEMA floodmaps 24021C0320D.

SITE DISCHARGE/EXISTING DRAINAGE DISCHARGE POINTS:
Site drains to the east.

OWNER:
DR ACQUISITIONS, LLC
7945 WORMANS MILL ROAD
FREDERICK MD.21701

LEGEND

SLOPES 15–25%
SLOPES >25%
EXISTING TREELINE
SPECIMEN TREE
FOREST CLEARING = 3.60 ac
SOIL DELINEATION MvB / LyB
LOD
STOCKPILE

SPECIMEN TREES

#	COMMON NAME	SCIENTIFIC NAME	SIZE	CRZ RADIUS	COND.	NOTES	STATUS
1	Red Maple	Acer rubrum	36.0"	54'	Poor to Fair	Triple-stem, 1 stem leans toward lodge, would not lodge if it fell. Dead Locust Tree grown into base	Remove
2	Black Locust	Juglans nigra	33.0"	49.5'	Very Poor	Large Cavity and broken branches	Remove
3	Mulberry Tree	Morus spp.	34.0"	51'	Poor	Lots of cavities, forks into two stems at 6', Leans over South Alley, Lots of cut limbs over Alley	Remove

Forest Conservation Worksheet

Net Tract Area:

A. Total *(Gross) Tract Area	A =	5.42
B. Deductions (Critical Area, *100 yr. floodplain, Road dedication for existing roads and easements) **i.d. deductions here:**	B =	0.00
C. Net Tract Area Net Tract Area = Total Tract (A) - Deductions (B)	C =	5.42
Land Use Category TRC Town Residential Commercial/Mixed Use District		
D. Afforestation Threshold (Net Tract Area [C] x 15%)	D =	0.81
E. Conservation Threshold (Net Tract Area [C] x 15%)	E =	0.81
Existing Forest Cover:		
F. Existing Forest Cover within the Net Tract Area	F =	3.60
G. Area of Forest Above Conservation Threshold If the Existing Forest Cover (F) is greater than the Conservation Threshold (E), then G = F - E; Otherwise G = 0.00	G =	2.79
Breakeven Point:		
H. Breakeven Point (Amount of forest that must be retained so that no mitigation is required) (1) If the Area of Forest Above the Conservation Threshold (G) is greater than 0.00, then H = [0.2 x the Area of Forest Above Conservation Threshold (G)] + the Conservation Threshold (E); (2) If the Area of Forest Above the Conservation Threshold (G) is equal to 0.00, then H = Existing Forest Cover (F).	H =	1.37
I. Forest Clearing Permitted Without Mitigation I = Existing Forest Cover (F) - Breakeven Point (H)	I =	2.23
Proposed Forest Clearing & Retention:		
J. Total Area of Forest to be Cleared *(All forest area not protected by easement)	J =	3.60
K. Total Area of Forest to be Retained K = Existing Forest Cover (F) - Forest to be Cleared (J) *(All K must be in a protective FRO easement.)	K =	0.00
Planting Calculations: If the Total Area of Forest to be *Retained (K) is at or above the Breakeven Point (H), no planting is required, and no further calculations are necessary (L=0.00 acres, M=0.00 acres, N=0.00 acres and P=0.00 acres); Otherwise, calculate the planting requirement(s) as follows:		
L. Reforestation for Clearing Above the Conservation Threshold (1) If the Total Area of Forest to be Retained (K) is greater than the Conservation Threshold (E), then L = the Area of Forest to be Cleared (J) x 0.25, (2) If the Forest to be Retained (K) is less than or equal to the Conservation Threshold (E), then L = Area of Forest Above Conservation Threshold (G) x 0.25	L =	0.70
M. Reforestation for Clearing Below the Conservation Threshold (1) If Existing Forest Cover (F) is greater than the Conservation Threshold (E) and the Forest to be Retained (K) is less than or equal to the Conservation Threshold (E), then M = 2.0 x [Conservation Threshold (E) - Forest to be Retained (K)] (2) If Existing Forest Cover (F) is less than or equal to the Conservation Threshold (E), then M = 2.0 x Forest to be Cleared (J).	M =	1.62
N. Credit for Retention Above the Conservation Threshold If the area of Forest to be Retained (K) is greater than the Conservation Threshold (E), then N = Total Area of Forest to be Retained (K) – Conservation Threshold (E)	N =	0.00
Planting Requirements:		
P. Total Reforestation Required P = L + M - N	P =	2.32
Q. Total Afforestation Required: If Existing Forest Cover (F) is less than the Afforestation Threshold (D), then Q = Afforestation Threshold (D) - Existing Forest Cover (F)	Q =	0.00
R. Total Forestation Requirement R = P + Q	R =	2.32

AFFORESTATION REQUIRED: ±2.32 AC.
STREET TREE CANOPY PROVIDED TOWARD FRO REQUIREMENT: 47 STREET TREES X 707 SF = 33,229 SF (±0.76 AC.)
±1.56 AC. DIFFERENCE TO BE PROVIDED BY OFFSITE EASEMENT OR PAYMENT OF FEE IN LIEU.

LANDSCAPE SCHEDULE

Count	COMMON_NAME	LATIN_NAME	REMARKS	SIZE
12	SAWTOOTH OAK	QUERCUS ACUTISSIMA	B&B	2-2-1/2"CAL
13	RED MAPLE	ACER RUBRUM	B&B	2-2-1/2"CAL
16	LITTLELEAF LINDEN	TILIA CORDATA	B&B	2-2-1/2"CAL
20	AMERICAN HOLLY	ILEX OPACA	B&B	2-2-1/2"CAL
81	DWARF WHITE SPRUCE	PICEA GLAUCA 'NORTH STAR'	B&B	4-6' HGT.

AR QA TC

: EXISTING STREET TREES TOWARDS FRO REQUIREMENTS (15)

: PROPOSED STREET TREES TOWARDS FRO REQUIREMENTS (32)

HARRIS SMARIGA
PLANNERS • ENGINEERS • SURVEYORS
125 S CARROLL STREET
SUITE 101
FREDERICK
MARYLAND 21701
P: 301.663.1188
F: 301.663.6656
www.harrissmariga.com

REVISIONS:

PRELIMINARY FOREST CONSERVATION PLAN
NEW MARKET EAST MAIN

LANDS OF D.R. ACQUISITIONS, LLC
L.15683, F.352
PARCEL #1, TAX ID #09-232761
PARCEL #2, TAX ID #09-232788

LOCATED ON E.MAIN ST. & TENTH ALLEY
NEW MARKET, MARYLAND
NEW MARKET ELECTION DISTRICT NO. 9
FREDERICK COUNTY, MARYLAND

4/28/2023 3:31 PM

SCALE: 1"=50'
DRAWN BY: LNZ
CHECKED BY: SFZ
DATE: JAN. 2023
SHEET: 1
OF: 1
PROJECT: 7705

1

I:\PROJ\7705\DWG\PLANNING\FSP.DWG