

ADMINISTRATIVE SUBDIVISION PLAN

M-NCP&PC No. 620240010

GENERAL NOTES

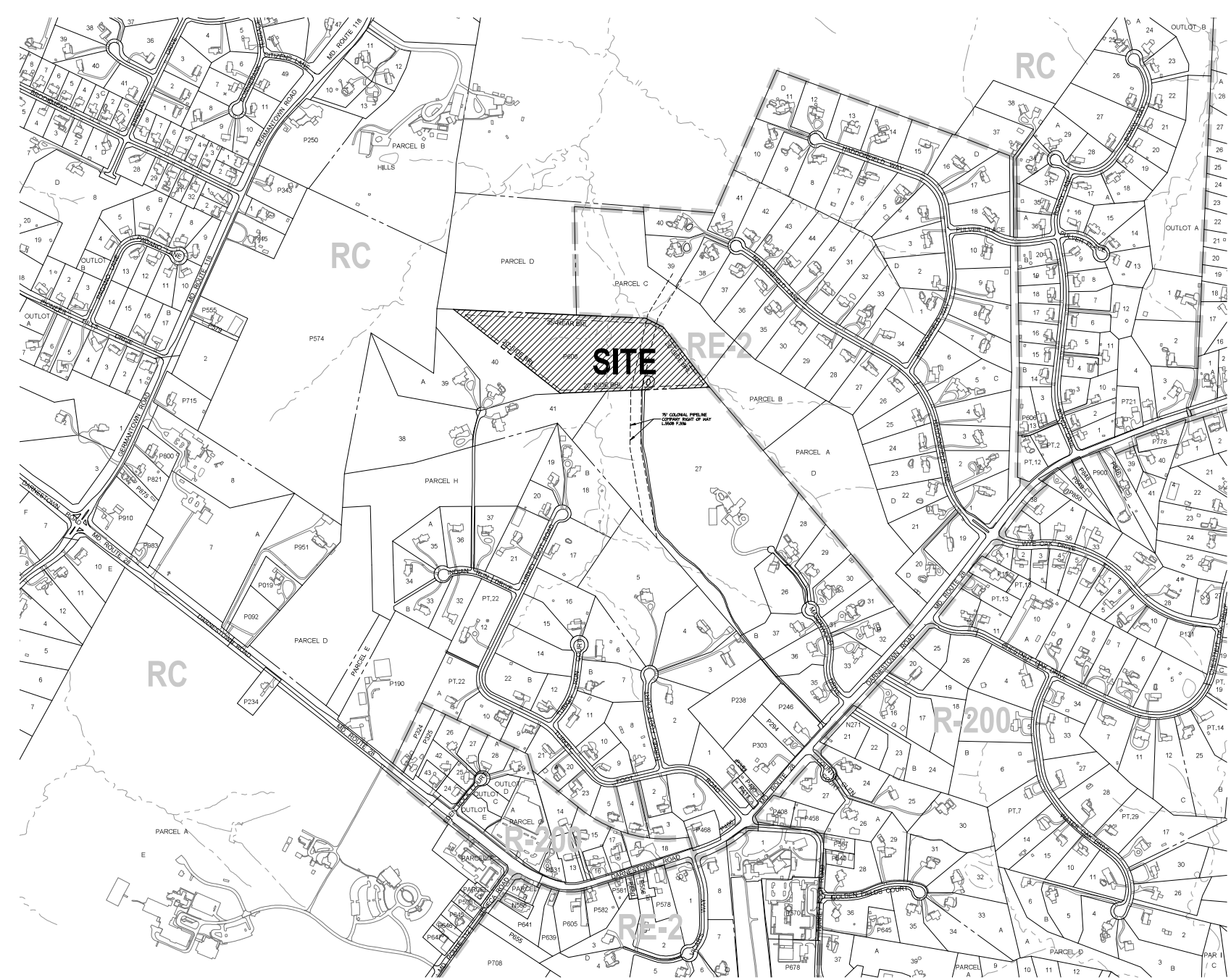
- Boundary information and two-foot contour data are based upon surveys performed by CAS Engineering, dated October, 2017. Two-foot contour data not within the delineated limits of CAS Topographic Survey is based upon available MNCPPC aerial topography, from February, 2016.
- Total lot area: Parcel 606 = 15.17 Acres.
- Property is located on Tax Map 62022 and MNCPPC 2007 Sheet 2219414.
- Property is located on Sub-Survey Map Number 18, Sub-Survey No. 18, "Sub-Survey".
- Final zone is F.E.M.A. Flood Maps, Community Flood Number 242010210D.
- Property is located in the Seneca Creek Watershed.
- Water Category is: Sewer Category - 9
- Local utilities include: Water - Seneca; Private Well and Septic - Electric - PEPCO; Gas - Washington Gas
- Property is not located in a Special Protection Area.
- Property is not a Historic Site or located in a Historic District.
- This plan was created without the benefit of a title report.

SITE / ZONING DATA - R-200 ZONE

Original Site Area	890,892.2 Sq. Ft. (15.17 Acres)
Platted Lot Area	8.0 Sq. Ft. (0.0 Acres)
Proposed Condition	0 Sq. Ft. (0.0 Acres)
Net Total Area	890,892.2 Sq. Ft. (15.17 Acres)
Existing # of Units	0 Units
Proposed # of Units	1 Units

DEVELOPMENT STANDARDS TABLE

Standard	Detached House	Provided
1. Lot and Density		
Lot Area (min.)	7,500 sq. ft.	15,170 sq. ft.
Lot Width (min.)	30'0"	30'0"
Lot Depth (min.)	100'0"	100'0"
Density (max)	1.0 units/lot	1.0 units/lot
Minimum Lot Coverage	20%	20%
2. Placement		
Principal Building Setback (min)	Required	Provided
Front Setback	50' (min.)	50'0"
Side Street Setback	50' (min.)	50'0"
Side Setback	25' (min.)	25'0"
Rear Setback	25' (min.)	25'0"
Accessory Structure Setback (min)	Required	Provided
Front Setback	10' (min.)	10'0"
Side Street Setback	10' (min.)	10'0"
Side Setback	15' (min.)	15'0"
Rear Setback	15' (min.)	15'0"
3. Placement		
Principal Building Height (max)	Required	Provided
Principal Building	30'	30'0"
Accessory Structure Height (max)	Required	Provided
Accessory Structure	10'	10'0"



LOCAL AREA MAP
SCALE: 1" = 300'

13635 Darnestown Road, Darnestown

Parcel 606, Rich Meadows

CAS JOB NO.: 21-297
DATE: 09/2024

DATE REVISION

09/19/24	1. Issue for Review
09/19/24	2. Issue for Review
09/19/24	3. Issue for Review
09/19/24	4. Issue for Review

VICINITY MAP
A10 MAP 5102, 09/19/24, SCALE: 1" = 200'

JARED M. CASHART, P.E.
09/19/24

PROFESSIONAL ENGINEER CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 35122, expiration date 09/19/2025, and that this plan meets MNCPPC criteria for building and wetland-related permit applications.

Parcel 606, Rich Meadows
Book 63849, Page 66, Recorded 06/2021
Darnestown (6th) Election District, Montgomery County, MD
13635 Darnestown Road Darnestown, Maryland 20878
MNCPPC No. 620240010

OWNER/APPLICANT
Kent Murphy
1800 Wilson Boulevard, Unit 449
Arlington, VA 22201
(541) 556-8596 Phone
kentmurfym@gmail.com

13635 Darnestown Road
Parcel 606, Rich Meadows
Proposed Lot A
Cover Sheet

ADMINISTRATIVE SUBDIVISION PLAN NOTE: Unless specifically noted on this plan drawing or in the conditions of approval, the building footprints, building heights, on-site parking, site circulation, and sidewalks shown on the Administrative Subdivision Plan are illustrative. The final locations of buildings, structures and hardscape will be determined at the time of issuance of building permits. Please refer to the zoning data table for development standards such as setbacks, building restriction lines, building height, and lot coverage for each lot. Other limitations for site development may also be included in the conditions of the Planning Board's approval.

NO.	SHEET TITLE
AP-1	Cover Sheet
AP-2	Approval Sheet
AP-3	Existing Conditions
AP-4	Site Plan
AP-5	Administrative Subdivision Plan
AP-6	Administrative Subdivision Plan

CAS ENGINEERING
ENGINEERING

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Frederick, Maryland 21701
301-463-4811 Phone
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CAS ENGINEERING-DC, LLC
1015 North Grosvenor Street, Suite 400
Washington, DC 20007
202-245-2700 Phone
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www.cas-llc.com

SCALE: 1" = 300 FEET

SHEET TITLE:
Administrative Subdivision Plan
Cover Sheet

AP-1



**Department of Permitting Services
Fire Department Access and Water Supply Comments**

DATE: 10-Dec-23
TO: Jared Carhart - jcarhart@casengineering.com
CAS Engineering
FROM: Marie LaBaw
RE: Rich Meadows Parcel 606
620240010

PLAN APPROVED

1. Review based only upon information contained on the plan submitted **07-Dec-23**. Review and approval does not cover unsatisfactory installation resulting from errors, omissions, or failure to clearly indicate conditions on this plan.
2. Correction of unsatisfactory installation will be required upon inspection and service of notice of violation to a party responsible for the property.



DEPARTMENT OF PERMITTING SERVICES

Marc Elrich
County Executive

Rabbiah Sabbakhan
Director

September 26, 2024

Mr. Jared Carhart
CAS Engineering - MD
10 South Bentz Street
Frederick, MD 21701

Re: **REVISED COMBINED STORMWATER
MANAGEMENT CONCEPT/SITE
DEVELOPMENT STORMWATER
MANAGEMENT PLAN** for
13635 Darnestown Road
Site Plan #: 620240010
SM File #: 289966
Tract Size/Zone: 15.17 ac.
Total Concept Area: 15.17 ac.
Lots/Block: Proposed Lot A
Parcel(s): P660
Watershed: Seneca Creek
Redevelopment (Yes/No): No

Dear Mr. Carhart::

Based on a review by the Department of Permitting Services Review Staff, the revised stormwater management concept for the above-mentioned site is **acceptable**. The plan proposes to meet required stormwater management goals via the use of dry wells and a micro-infiltration trench.

The following items will need to be addressed during the detailed sediment control/stormwater management plan stage:

1. A detailed review of the stormwater management computations will occur at the time of detailed plan review.
2. An engineered sediment control plan must be submitted for this project.
3. All filtration media for manufactured best management practices, whether for new development or redevelopment, must consist of MDE approved material.
4. This approval replaces the previous approval dated January 5, 2024.

This list may not be all-inclusive and may change based on available information at the time.

Payment of a stormwater management contribution in accordance with Section 2 of the Stormwater Management Regulation 4-90 **is not required**.



2425 Reedie Drive, 7th Floor, Wheaton, Maryland 20902 | 240-777-0311
www.montgomerycountymd.gov/permittingservices

Mr. Jared Carhart
September 26, 2024
Page 2 of 2

This letter must appear on the sediment control/stormwater management plan at its initial submittal. The concept approval is based on all stormwater management structures being located outside of the Public Utility Easement, the Public Improvement Easement, and the Public Right of Way unless specifically approved on the concept plan. Any divergence from the information provided to this office; or additional information received during the development process; or a change in an applicable Executive Regulation may constitute grounds to rescind or amend any approval actions taken, and to reevaluate the site for additional or amended stormwater management requirements. If there are subsequent additions or modifications to the development, a separate concept request shall be required.

If you have any questions regarding these actions, please feel free to contact Patrick Fitzgerald at 240-777-6362; Patrick.fitzgerald@montgomerycountymd.gov.

Sincerely,

Mark Etheridge, Manager
Water Resources Section
Division of Land Development Services

cc: Neil Braunstein
SM File # 289966

ESD: Required/Provided 585 c.f. / 604 c.f.
PE: Target/Achieved: 1.0"/1.0"
STRUCTURAL: N/A
WAIVED: N/A

GENERAL NOTES

- Boundary information and two-foot contour data are based upon surveys performed by CAS Engineering, dated October, 2021. Two-foot contour data not within the established limits of CAS Topographic Survey is based upon available MNCPPC aerial topography, from February, 2018.
- Total lot area: Parcel 606 - 15.17 acres.
- Property is located on Tax Map ES122 and WSSC 2007 Sheet 221NW14.
- Property is located on Soils Survey Map Number 18. Soil type(s): See "Soils Table".
- Flood zone: "X" per F.E.M.A. Firm Maps, Community Panel Number 2401010200.
- Property is located in the Seneca Creek Watershed.
- Water Category - 6, Sewer Category - 6.
- Local utilities include:
Water / Sewer - Private Well and Septic
Electric - PEPCO
Telephone - Verizon
Gas - Washington Gas
- Property is not located in a Special Protection Area.
- Property is not a Historic Site or located in a Historic District.
- This plan was created without the benefit of a title report.



COMBINATION CONCEPT/ SITE DEVELOPMENT STORMWATER MANAGEMENT PLAN REVISION

RICH MEADOWS (PARCEL 606)

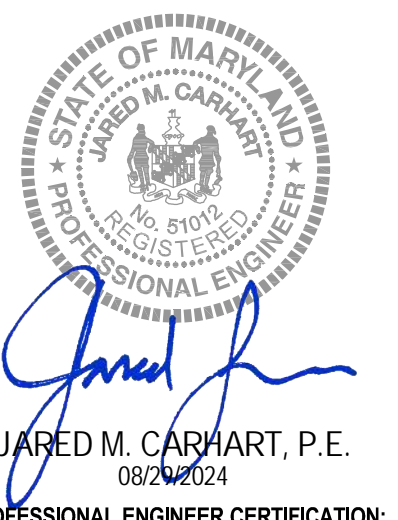
13635 DARNESTOWN ROAD

SM No. 289966

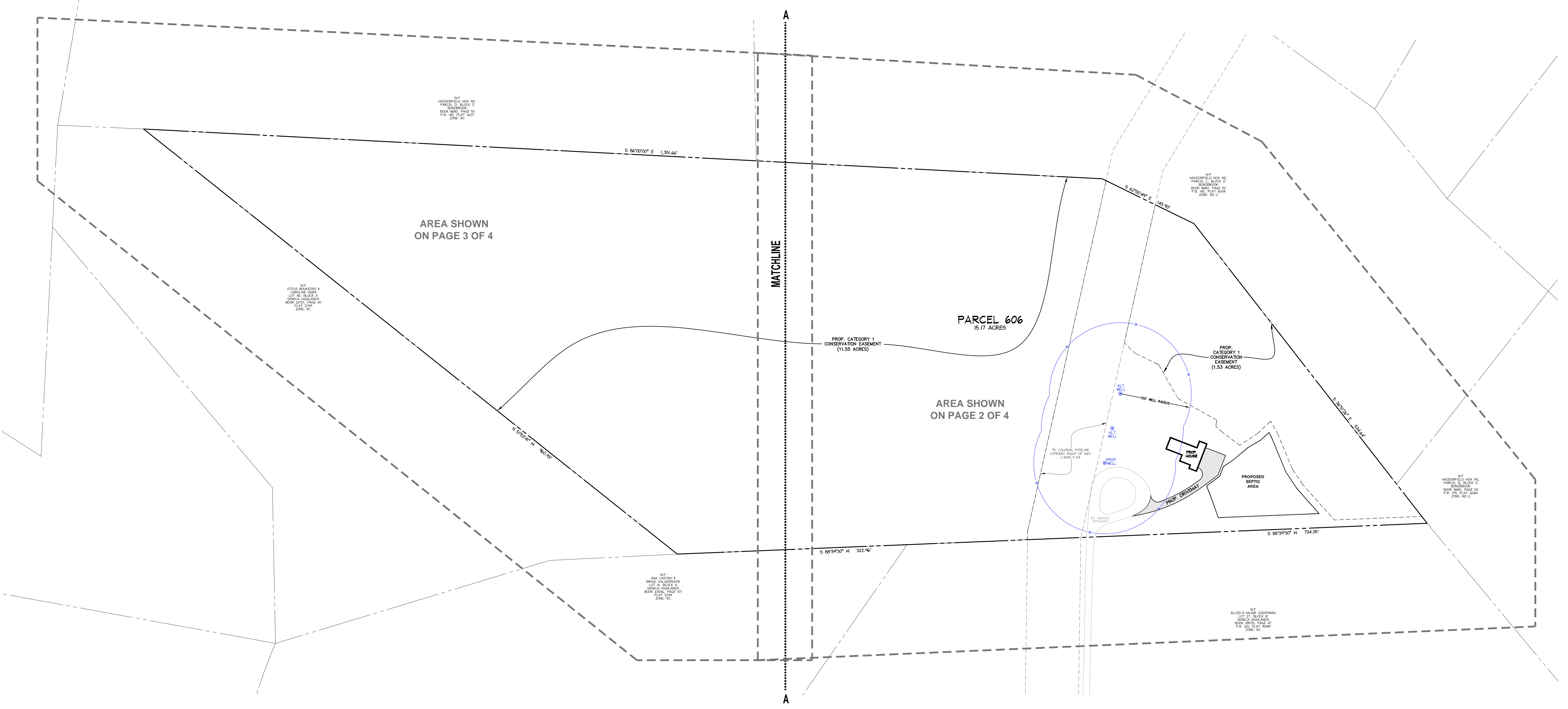
CAS JOB NO.: 21-297
DATE: 08/2024

DATE	REVISION
08/2023	JSC: Stormwater Management Concept Plan Initial Submittal
08/2024	JSC: Stormwater Management Concept Plan Revision Initial Submittal

VICINITY MAP
ADC MAP 5162, GRID D-2, SCALE: 1" = 200'



PROFESSIONAL ENGINEER CERTIFICATION:
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 19122, expiration date 08/31/2028, and that this plan meets MDCPS criteria for building and sediment control permit applications.



CONCEPTUAL SEQUENCE OF CONSTRUCTION

- Prior to clearing trees, installing sediment control measures, or grading, a pre-construction meeting must be conducted on-site with the Montgomery County Department of Planning Services (MCDPS) Sediment Control Inspector (202) 777-0311 (48 hours notice) and the MNCPPC Planning Department, Plans Enforcement Inspector (301) 995-6529 (48 hours notice), the Owner's representative, and the site Engineer.
- In order for the meeting to occur, the applicant must provide the MCDPS Sediment Control Inspector with one approved copy of the approved Sediment Control Plan and one approved copy of the Right-of-Way and Roadside, Title Plan (when one is required) at the pre-construction meeting. If no plans are provided, the meeting shall not occur and will need to be rescheduled prior to commencing any work.
- The limits of disturbance (L.O.D.) must be field marked prior to clearing of trees, installation of sediment control measures, construction, or other land disturbing activities.
- Staging, access, and stockpiling activities may not occur beyond the approved limits of disturbance (L.O.D.) defined by this plan.
- The permittee must obtain written approval from the MNCPPC inspector, certifying that the limits of disturbance and the protection measures are correctly marked and installed prior to commencing any clearing.
- Clear and grade for installation of sediment control devices.
- Install sediment control devices.
- Once the sediment control devices are installed, the permittee must obtain written approval from the MCDPS inspector before proceeding with any additional clearing, grubbing or grading.
- The Stabilized Construction Entrance (SCE) is an erosion and sediment control practice and must remain in place until written permission is granted from the inspector for its removal.
- Install rough grading. Temporarily seed any areas not to be re-graded within 7 days.
- Install base courses for driveway, complete house construction, etc.
- Outlets and downspouts to be installed early as possible, subject to availability of materials and labor.
- Install stormwater management devices and associated piping but do not connect to downspouts at this time.
- Place driveway, install entrances per MCDOT permit, permanently stabilize all remaining areas.
- Connect downspouts to roof drain piping and stormwater management devices.
- Provide signed record set of plans to the sediment control inspector.
- Obtain written approval from MCDPS inspector, prior to the removal of any sediment control device.

SWM CONCEPT SUMMARY TABLE

SYMBOL	SOIL	HYDROIC	PRIME PASTURELAND	HIGH PRODUCE	SEPERMENTATE
10C	SANDY SILT CLAY, 8-15% SLOPES	YES	YES	NO	NO
2B	CLAYED SILT CLAY, 3-8% SLOPES	NO	YES	NO	NO
10B	BROWNLOW BROWNLOW, CHANTRY, SH 1 (LOW), 10-20% SLOPES	YES	NO	YES	NO
10A	CHANTRY SILT CLAY, 10-20% SLOPES, PROBABLY FLOODED	YES	NO	NO	NO
11B	BROWNLOW CHANTRY, SH 1 (LOW), 30-40% SLOPES, VERY ROCKY	YES	NO	YES	NO

UTILITY INFORMATION

EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE FIELD VERIFIED. UTILITY LOCATIONS ARE BASED UPON AVAILABLE RECORDS AND ARE SHOWN TO THE BEST OF OUR ABILITY. FOR LOCATION OF UTILITIES, CALL "MISS UTILITY" AT 1-800-251-2722, OR LOG ON TO WWW.MISSUTILITY.COM IN ADVANCE OF ANY WORK ON THIS PROJECT. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITHIN 48 HOURS PRIOR TO THE AREA OF PROPOSED EXCAVATION AND HAVE THE NEAREST LOCAL TO THE UTILITY COMPANIES KNOW OF EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF COMPLETE JOB OF THE WASHINGTON COUNTY CODE.

SOILS TABLE

SYMBOL	SOIL	HYDROIC	PRIME PASTURELAND	HIGH PRODUCE	SEPERMENTATE
10C	SANDY SILT CLAY, 8-15% SLOPES	YES	YES	NO	NO
2B	CLAYED SILT CLAY, 3-8% SLOPES	NO	YES	NO	NO
10B	BROWNLOW BROWNLOW, CHANTRY, SH 1 (LOW), 10-20% SLOPES	YES	NO	YES	NO
10A	CHANTRY SILT CLAY, 10-20% SLOPES, PROBABLY FLOODED	YES	NO	NO	NO
11B	BROWNLOW CHANTRY, SH 1 (LOW), 30-40% SLOPES, VERY ROCKY	YES	NO	YES	NO

Combined SWM Concept/SDP
REVISION
Accepted for DPS
Patrick Fitzgerald
09/26/2024

OWNER/APPLICANT
Kent Murphy
1800 Wilson Boulevard, Unit 449
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(541) 558-8596 Phone
kurtmurf@ymail.com

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13635 Darnestown Road
Parcel 606, Rich Meadows
Proposed Lot A
Combination Concept /
Site Development SWM Plan
Cover Sheet Revision
MCDPS No. 289966

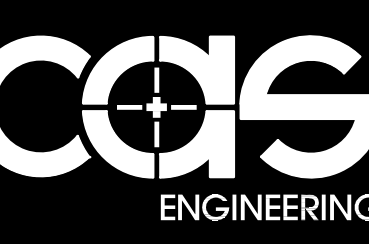
SCALE: 1" = 30' - 0"

INDEX OF DRAWINGS

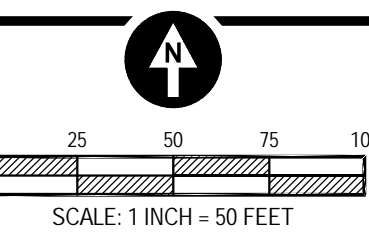
NO.	SHEET TITLE
1 of 4	Cover Sheet - Site Plan
2 of 4	Combination Concept / Site Development SWM Plan
3 of 4	Combination Concept / Site Development SWM Plan
4 of 4	Stormwater Computation

SHEET TITLE:
Combination Concept /
Site Development SWM Plan
Cover Sheet Revision

1 OF 4



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SHEET TITLE:
Combination Concept /
Site Development SWM Plan
Cover Sheet Revision

1 OF 4

TREE DATA

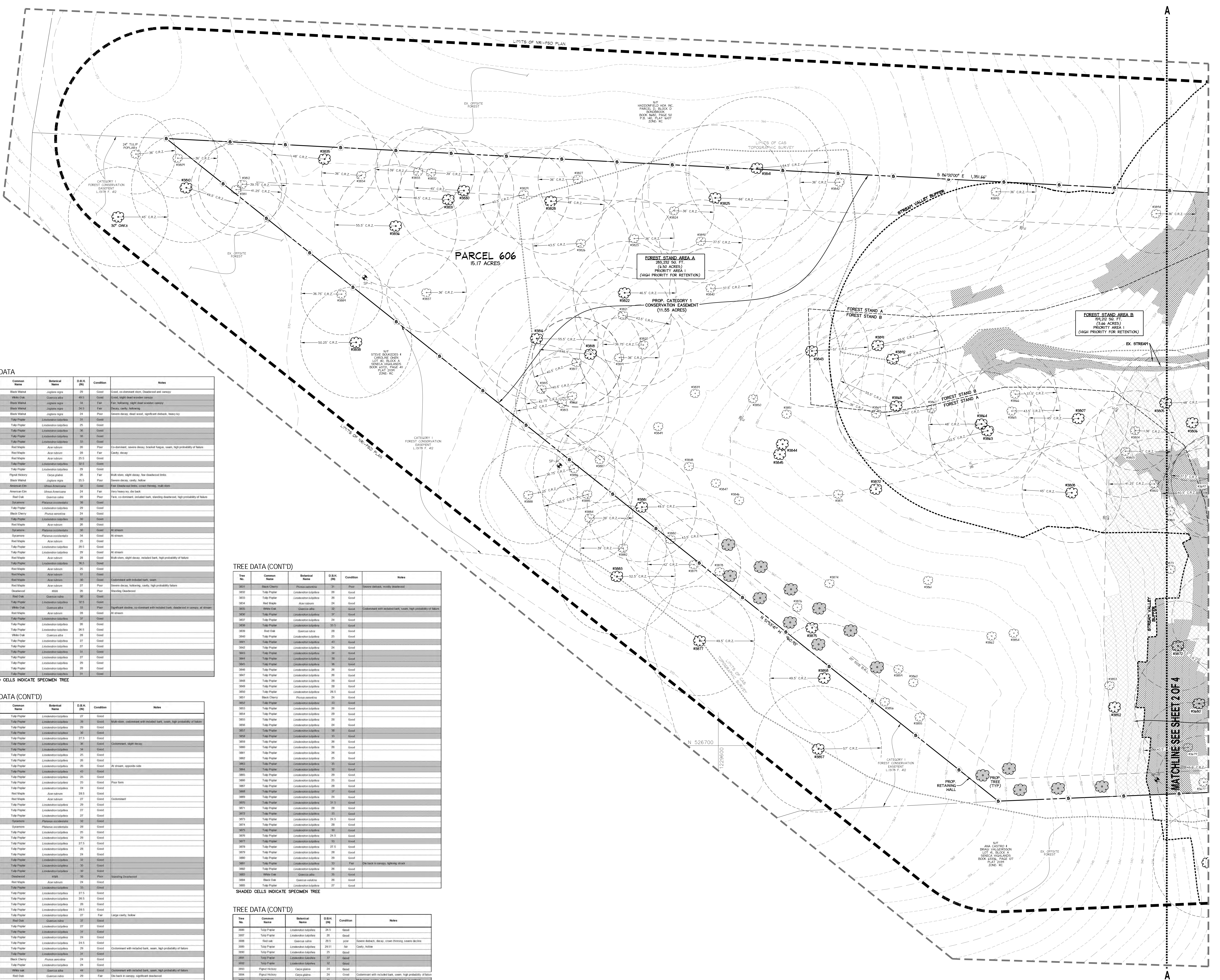
Tree No.	Common Name	Botanical Name	D.B.H. (IN)	Condition	Notes
3027	Black Walnut	Juglans nigra	23	Good	On dormant stem, deadwood and canopy
3028	White Oak	Quercus alba	41.5	Good	Small, slight deadwood canopy
3029	Black Walnut	Juglans nigra	31	Fair	Fair, hollow, slight deadwood canopy
3030	Black Walnut	Juglans nigra	34.5	Fair	Stems, canopy, hollowing
3031	Black Walnut	Juglans nigra	33	Fair	Stems, canopy, dead wood, light hollow, hollow top
3032	Red Maple	Acer rubrum	25	Good	
3033	Red Maple	Acer rubrum	25	Good	
3034	Red Maple	Acer rubrum	25	Good	
3035	Red Maple	Acer rubrum	25	Good	
3036	Red Maple	Acer rubrum	25	Good	
3037	Red Maple	Acer rubrum	25	Good	
3038	Red Maple	Acer rubrum	25	Good	
3039	Red Maple	Acer rubrum	25	Good	
3040	Red Maple	Acer rubrum	25	Good	
3041	Red Maple	Acer rubrum	25	Good	
3042	Red Maple	Acer rubrum	25	Good	
3043	Red Maple	Acer rubrum	25	Good	
3044	Red Maple	Acer rubrum	25	Good	
3045	Red Maple	Acer rubrum	25	Good	
3046	Red Maple	Acer rubrum	25	Good	
3047	Red Maple	Acer rubrum	25	Good	
3048	Red Maple	Acer rubrum	25	Good	
3049	Red Maple	Acer rubrum	25	Good	
3050	Red Maple	Acer rubrum	25	Good	
3051	Red Maple	Acer rubrum	25	Good	
3052	Red Maple	Acer rubrum	25	Good	
3053	Red Maple	Acer rubrum	25	Good	
3054	Red Maple	Acer rubrum	25	Good	
3055	Red Maple	Acer rubrum	25	Good	
3056	Red Maple	Acer rubrum	25	Good	
3057	Red Maple	Acer rubrum	25	Good	
3058	Red Maple	Acer rubrum	25	Good	
3059	Red Maple	Acer rubrum	25	Good	
3060	Red Maple	Acer rubrum	25	Good	
3061	Red Maple	Acer rubrum	25	Good	
3062	Red Maple	Acer rubrum	25	Good	
3063	Red Maple	Acer rubrum	25	Good	
3064	Red Maple	Acer rubrum	25	Good	
3065	Red Maple	Acer rubrum	25	Good	
3066	Red Maple	Acer rubrum	25	Good	
3067	Red Maple	Acer rubrum	25	Good	
3068	Red Maple	Acer rubrum	25	Good	
3069	Red Maple	Acer rubrum	25	Good	
3070	Red Maple	Acer rubrum	25	Good	
3071	Red Maple	Acer rubrum	25	Good	
3072	Red Maple	Acer rubrum	25	Good	
3073	Red Maple	Acer rubrum	25	Good	
3074	Red Maple	Acer rubrum	25	Good	
3075	Red Maple	Acer rubrum	25	Good	
3076	Red Maple	Acer rubrum	25	Good	
3077	Red Maple	Acer rubrum	25	Good	
3078	Red Maple	Acer rubrum	25	Good	
3079	Red Maple	Acer rubrum	25	Good	
3080	Red Maple	Acer rubrum	25	Good	
3081	Red Maple	Acer rubrum	25	Good	
3082	Red Maple	Acer rubrum	25	Good	
3083	Red Maple	Acer rubrum	25	Good	
3084	Red Maple	Acer rubrum	25	Good	
3085	Red Maple	Acer rubrum	25	Good	
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3089	Red Maple	Acer rubrum	25	Good	
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3091	Red Maple	Acer rubrum	25	Good	
3092	Red Maple	Acer rubrum	25	Good	
3093	Red Maple	Acer rubrum	25	Good	
3094	Red Maple	Acer rubrum	25	Good	
3095	Red Maple	Acer rubrum	25	Good	
3096	Red Maple	Acer rubrum	25	Good	
3097	Red Maple	Acer rubrum	25	Good	
3098	Red Maple	Acer rubrum	25	Good	
3099	Red Maple	Acer rubrum	25	Good	
3100	Red Maple	Acer rubrum	25	Good	
3101	Red Maple	Acer rubrum	25	Good	
3102	Red Maple	Acer rubrum	25	Good	
3103	Red Maple	Acer rubrum	25	Good	
3104	Red Maple	Acer rubrum	25	Good	
3105	Red Maple	Acer rubrum	25	Good	
3106	Red Maple	Acer rubrum	25	Good	
3107	Red Maple	Acer rubrum	25	Good	
3108	Red Maple	Acer rubrum	25	Good	
3109	Red Maple	Acer rubrum	25	Good	
3110	Red Maple	Acer rubrum	25	Good	
3111	Red Maple	Acer rubrum	25	Good	
3112	Red Maple	Acer rubrum	25	Good	
3113	Red Maple	Acer rubrum	25	Good	
3114	Red Maple	Acer rubrum	25	Good	
3115	Red Maple	Acer rubrum	25	Good	
3116	Red Maple	Acer rubrum	25	Good	
3117	Red Maple	Acer rubrum	25	Good	
3118	Red Maple	Acer rubrum	25	Good	
3119	Red Maple	Acer rubrum	25	Good	
3120	Red Maple	Acer rubrum	25	Good	
3121	Red Maple	Acer rubrum	25	Good	
3122	Red Maple	Acer rubrum	25	Good	
3123	Red Maple	Acer rubrum	25	Good	
3124	Red Maple	Acer rubrum	25	Good	
3125	Red Maple	Acer rubrum	25	Good	
3126	Red Maple	Acer rubrum	25	Good	
3127	Red Maple	Acer rubrum	25	Good	
3128	Red Maple	Acer rubrum	25	Good	
3129	Red Maple	Acer rubrum	25	Good	
3130	Red Maple	Acer rubrum	25	Good	
3131	Red Maple	Acer rubrum	25	Good	
3132	Red Maple	Acer rubrum	25	Good	
3133	Red Maple	Acer rubrum	25	Good	
3134	Red Maple	Acer rubrum	25	Good	
3135	Red Maple	Acer rubrum	25	Good	
3136	Red Maple	Acer rubrum	25	Good	
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3138	Red Maple	Acer rubrum	25	Good	
3139	Red Maple	Acer rubrum	25	Good	
3140	Red Maple	Acer rubrum	25	Good	
3141	Red Maple	Acer rubrum	25	Good	
3142	Red Maple	Acer rubrum	25	Good	
3143	Red Maple	Acer rubrum	25	Good	
3144	Red Maple	Acer rubrum	25	Good	
3145	Red Maple	Acer rubrum	25	Good	
3146	Red Maple	Acer rubrum	25	Good	
3147	Red Maple	Acer rubrum	25	Good	
3148	Red Maple	Acer rubrum	25	Good	
3149	Red Maple	Acer rubrum	25	Good	
3150	Red Maple	Acer rubrum	25	Good	

TREE DATA (CONT'D)

Tree No.	Common Name	Botanical Name	D.B.H. (IN)	Condition	Notes
3151	Red Maple	Acer rubrum	25	Good	
3152	Red Maple	Acer rubrum	25	Good	
3153	Red Maple	Acer rubrum	25	Good	
3154	Red Maple	Acer rubrum	25	Good	
3155	Red Maple	Acer rubrum	25	Good	
3156	Red Maple	Acer rubrum	25	Good	
3157	Red Maple	Acer rubrum	25	Good	
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3163	Red Maple	Acer rubrum	25	Good	
3164	Red Maple	Acer rubrum	25	Good	
3165	Red Maple	Acer rubrum	25	Good	
3166	Red Maple	Acer rubrum	25	Good	
3167	Red Maple	Acer rubrum	25	Good	
3168	Red Maple	Acer rubrum	25	Good	
3169	Red Maple	Acer rubrum	25	Good	
3170	Red Maple	Acer rubrum	25	Good	
3171	Red Maple	Acer rubrum	25	Good	
3172	Red Maple	Acer rubrum	25	Good	
3173	Red Maple	Acer rubrum	25	Good	
3174	Red Maple	Acer rubrum	25	Good	
3175	Red Maple	Acer rubrum	25	Good	
3176	Red Maple	Acer rubrum	25	Good	
3177	Red Maple	Acer rubrum	25	Good	
3178	Red Maple	Acer rubrum	25	Good	
3179	Red Maple	Acer rubrum	25	Good	
3180	Red Maple	Acer rubrum	25	Good	
3181	Red Maple	Acer rubrum	25	Good	
3182	Red Maple	Acer rubrum	25	Good	
3183	Red Maple	Acer rubrum	25	Good	
3184	Red Maple	Acer rubrum	25	Good	
3185	Red Maple	Acer rubrum	25	Good	
3186	Red Maple	Acer rubrum	25	Good	
3187	Red Maple	Acer rubrum	25	Good	
3188	Red Maple	Acer rubrum	25	Good	
3189	Red Maple	Acer rubrum	25	Good	
3190	Red Maple	Acer rubrum	25	Good	
3191	Red Maple	Acer rubrum	25	Good	
3192	Red Maple	Acer rubrum	25	Good	
3193	Red Maple	Acer rubrum	25	Good	
3194	Red Maple	Acer rubrum	25	Good	
3195	Red Maple	Acer rubrum	25	Good	
3196	Red Maple	Acer rubrum	25	Good	
3197	Red Maple	Acer rubrum	25	Good	
3198	Red Maple	Acer rubrum	25	Good	
3199	Red Maple	Acer rubrum	25	Good	
3200	Red Maple	Acer rubrum	25	Good	
3201	Red Maple	Acer rubrum	25	Good	
3202	Red Maple	Acer rubrum	25	Good	
3203	Red Maple	Acer rubrum	25	Good	
3204	Red Maple	Acer rubrum	25	Good	
3205	Red Maple	Acer rubrum	25	Good	
3206	Red Maple	Acer rubrum	25	Good	
3207	Red Maple	Acer rubrum	25	Good	
3208	Red Maple	Acer rubrum	25	Good	
3209	Red Maple	Acer rubrum	25	Good	
3210	Red Maple	Acer rubrum	25	Good	
3211	Red Maple	Acer rubrum	25	Good	
3212	Red Maple	Acer rubrum	25	Good	
3213	Red Maple	Acer rubrum	25	Good	
3214	Red Maple	Acer rubrum	25	Good	
3215	Red Maple	Acer rubrum	25	Good	
3216	Red Maple	Acer rubrum	25	Good	
3217	Red Maple	Acer rubrum	25	Good	
3218	Red Maple	Acer rubrum	25	Good	
3219	Red Maple	Acer rubrum	25	Good	
3220	Red Maple	Acer rubrum	25	Good	
3221	Red Maple	Acer rubrum	25	Good	
3222	Red Maple	Acer rubrum	25	Good	
3223	Red Maple	Acer rubrum	25	Good	
3224	Red Maple	Acer rubrum	25	Good	
3225	Red Maple	Acer rubrum	25	Good	
3226	Red Maple	Acer rubrum	25	Good	
3227	Red Maple	Acer rubrum	25	Good	
3228	Red Maple	Acer rubrum	25	Good	
3229	Red Maple	Acer rubrum	25	Good	
3230	Red Maple	Acer rubrum	25	Good	
3231	Red Maple	Acer rubrum	25	Good	
3232	Red Maple	Acer rubrum	25	Good	
3233	Red Maple	Acer rubrum	25	Good	
3234	Red Maple	Acer rubrum	25	Good	
3235	Red Maple	Acer rubrum	25	Good	
3236	Red Maple	Acer rubrum	25	Good	
3237	Red Maple	Acer rubrum	25	Good	
3238	Red Maple	Acer rubrum	25	Good	
3239	Red Maple	Acer rubrum	25	Good	
3240	Red Maple	Acer rubrum	25	Good	
3241	Red Maple	Acer rubrum	25	Good	
3242	Red Maple	Acer rubrum	25	Good	
3243	Red Maple	Acer rubrum	25	Good	
3244	Red Maple	Acer rubrum	25	Good	
3245	Red Maple	Acer rubrum	25	Good	
3246	Red Maple	Acer rubrum	25	Good	
3247	Red Maple	Acer rubrum	25	Good	
3248	Red Maple	Acer rubrum	25	Good	
3249	Red Maple	Acer rubrum	25	Good	
3250	Red Maple	Acer rubrum	25	Good	

TREE DATA (CONT'D)

Tree No.	Common Name	Botanical Name	D.B.H. (IN)	Condition	Notes
3251	Black Cherry	Prunus serotina	11	Fair	Stems, canopy, cavity deadwood
3252	Red Maple	Acer rubrum	25	Good	
3253	Red Maple	Acer rubrum	25	Good	
3254	Red Maple	Acer rubrum	25	Good	
3255	White Oak	Quercus alba	34	Good	Canopy with retained bark, some, high probability of decay
3256	Red Maple	Acer rubrum	25	Good	
3257	Red Maple	Acer rubrum	25	Good	
3258	Red Maple	Acer rubrum	25	Good	
3259	Red Maple	Acer rubrum	25	Good	
3260	Red Maple	Acer rubrum	25	Good	
3261	Red Maple	Acer rubrum	25	Good	
3262	Red Maple	Acer rubrum	25	Good	
3263	Red Maple	Acer rubrum	25	Good	
3264	Red Maple	Acer rubrum	25	Good	
3265	Red Maple	Acer rubrum	25	Good	
3266	Red Maple	Acer rubrum	25	Good	
3267	Red Maple	Acer rubrum	25	Good	
3268	Red Maple	Acer rubrum	25	Good	
3269	Red Maple	Acer rubrum	25	Good	
3270	Red Maple	Acer rubrum	25	Good	
3271	Red Maple	Acer rubrum	25	Good	
3272	Red Maple	Acer rubrum	25	Good	
3273	Red Maple	Acer rubrum	25	Good	
3					



TREE DATA

Tree No.	Common Name	Botanical Name	DBH (IN)	Condition	Notes
3007	Black Walnut	Juglans nigra	29	Good	Small, no dominant stem, deadwood and canopy
3008	White Oak	Quercus alba	45.5	Good	Small, high basal rot/decay canopy
3009	Black Walnut	Juglans nigra	19	Fair	Canopy decay, slight stem rot/decay
3010	Black Walnut	Juglans nigra	24.5	Fair	Canopy decay, hollowing
3011	Black Walnut	Juglans nigra	24	Fair	Canopy decay, slight stem rot/decay, hollowing
3012	Red Maple	Acer rubrum	21	Good	
3013	Red Maple	Acer rubrum	25	Good	
3014	Red Maple	Acer rubrum	25	Good	
3015	Red Maple	Acer rubrum	25	Good	
3016	Red Maple	Acer rubrum	25	Good	
3017	Red Maple	Acer rubrum	25	Good	
3018	Red Maple	Acer rubrum	25	Good	
3019	Red Maple	Acer rubrum	25	Good	
3020	Red Maple	Acer rubrum	25	Good	
3021	Red Maple	Acer rubrum	25	Good	
3022	Red Maple	Acer rubrum	25	Good	
3023	Red Maple	Acer rubrum	25	Good	
3024	Red Maple	Acer rubrum	25	Good	
3025	Red Maple	Acer rubrum	25	Good	
3026	Red Maple	Acer rubrum	25	Good	
3027	Red Maple	Acer rubrum	25	Good	
3028	Red Maple	Acer rubrum	25	Good	
3029	Red Maple	Acer rubrum	25	Good	
3030	Red Maple	Acer rubrum	25	Good	
3031	Red Maple	Acer rubrum	25	Good	
3032	Red Maple	Acer rubrum	25	Good	
3033	Red Maple	Acer rubrum	25	Good	
3034	Red Maple	Acer rubrum	25	Good	
3035	Red Maple	Acer rubrum	25	Good	
3036	Red Maple	Acer rubrum	25	Good	
3037	Red Maple	Acer rubrum	25	Good	
3038	Red Maple	Acer rubrum	25	Good	
3039	Red Maple	Acer rubrum	25	Good	
3040	Red Maple	Acer rubrum	25	Good	
3041	Red Maple	Acer rubrum	25	Good	
3042	Red Maple	Acer rubrum	25	Good	
3043	Red Maple	Acer rubrum	25	Good	
3044	Red Maple	Acer rubrum	25	Good	
3045	Red Maple	Acer rubrum	25	Good	
3046	Red Maple	Acer rubrum	25	Good	
3047	Red Maple	Acer rubrum	25	Good	
3048	Red Maple	Acer rubrum	25	Good	
3049	Red Maple	Acer rubrum	25	Good	
3050	Red Maple	Acer rubrum	25	Good	
3051	Red Maple	Acer rubrum	25	Good	
3052	Red Maple	Acer rubrum	25	Good	
3053	Red Maple	Acer rubrum	25	Good	
3054	Red Maple	Acer rubrum	25	Good	
3055	Red Maple	Acer rubrum	25	Good	
3056	Red Maple	Acer rubrum	25	Good	
3057	Red Maple	Acer rubrum	25	Good	
3058	Red Maple	Acer rubrum	25	Good	
3059	Red Maple	Acer rubrum	25	Good	
3060	Red Maple	Acer rubrum	25	Good	
3061	Red Maple	Acer rubrum	25	Good	
3062	Red Maple	Acer rubrum	25	Good	
3063	Red Maple	Acer rubrum	25	Good	
3064	Red Maple	Acer rubrum	25	Good	
3065	Red Maple	Acer rubrum	25	Good	
3066	Red Maple	Acer rubrum	25	Good	
3067	Red Maple	Acer rubrum	25	Good	
3068	Red Maple	Acer rubrum	25	Good	
3069	Red Maple	Acer rubrum	25	Good	
3070	Red Maple	Acer rubrum	25	Good	
3071	Red Maple	Acer rubrum	25	Good	
3072	Red Maple	Acer rubrum	25	Good	
3073	Red Maple	Acer rubrum	25	Good	
3074	Red Maple	Acer rubrum	25	Good	
3075	Red Maple	Acer rubrum	25	Good	
3076	Red Maple	Acer rubrum	25	Good	
3077	Red Maple	Acer rubrum	25	Good	
3078	Red Maple	Acer rubrum	25	Good	
3079	Red Maple	Acer rubrum	25	Good	
3080	Red Maple	Acer rubrum	25	Good	
3081	Red Maple	Acer rubrum	25	Good	
3082	Red Maple	Acer rubrum	25	Good	
3083	Red Maple	Acer rubrum	25	Good	
3084	Red Maple	Acer rubrum	25	Good	
3085	Red Maple	Acer rubrum	25	Good	
3086	Red Maple	Acer rubrum	25	Good	
3087	Red Maple	Acer rubrum	25	Good	
3088	Red Maple	Acer rubrum	25	Good	
3089	Red Maple	Acer rubrum	25	Good	
3090	Red Maple	Acer rubrum	25	Good	
3091	Red Maple	Acer rubrum	25	Good	
3092	Red Maple	Acer rubrum	25	Good	
3093	Red Maple	Acer rubrum	25	Good	
3094	Red Maple	Acer rubrum	25	Good	
3095	Red Maple	Acer rubrum	25	Good	
3096	Red Maple	Acer rubrum	25	Good	
3097	Red Maple	Acer rubrum	25	Good	
3098	Red Maple	Acer rubrum	25	Good	
3099	Red Maple	Acer rubrum	25	Good	
3100	Red Maple	Acer rubrum	25	Good	
3101	Red Maple	Acer rubrum	25	Good	
3102	Red Maple	Acer rubrum	25	Good	
3103	Red Maple	Acer rubrum	25	Good	
3104	Red Maple	Acer rubrum	25	Good	
3105	Red Maple	Acer rubrum	25	Good	
3106	Red Maple	Acer rubrum	25	Good	
3107	Red Maple	Acer rubrum	25	Good	
3108	Red Maple	Acer rubrum	25	Good	
3109	Red Maple	Acer rubrum	25	Good	
3110	Red Maple	Acer rubrum	25	Good	
3111	Red Maple	Acer rubrum	25	Good	
3112	Red Maple	Acer rubrum	25	Good	
3113	Red Maple	Acer rubrum	25	Good	
3114	Red Maple	Acer rubrum	25	Good	
3115	Red Maple	Acer rubrum	25	Good	
3116	Red Maple	Acer rubrum	25	Good	
3117	Red Maple	Acer rubrum	25	Good	
3118	Red Maple	Acer rubrum	25	Good	
3119	Red Maple	Acer rubrum	25	Good	
3120	Red Maple	Acer rubrum	25	Good	
3121	Red Maple	Acer rubrum	25	Good	
3122	Red Maple	Acer rubrum	25	Good	
3123	Red Maple	Acer rubrum	25	Good	
3124	Red Maple	Acer rubrum	25	Good	
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3141	Red Maple	Acer rubrum	25	Good	
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3143	Red Maple	Acer rubrum	25	Good	
3144	Red Maple	Acer rubrum	25	Good	
3145	Red Maple	Acer rubrum	25	Good	
3146	Red Maple	Acer rubrum	25	Good	
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3151	Red Maple	Acer rubrum	25	Good	
3152	Red Maple	Acer rubrum	25	Good	
3153	Red Maple	Acer rubrum	25	Good	
3154	Red Maple	Acer rubrum	25	Good	
3155	Red Maple	Acer rubrum	25	Good	
3156	Red Maple	Acer rubrum	25	Good	
3157	Red Maple	Acer rubrum	25	Good	
3158	Red Maple	Acer rubrum	25	Good	
3159	Red Maple	Acer rubrum	25	Good	
3160	Red Maple	Acer rubrum	25	Good	
3161	Red Maple	Acer rubrum	25	Good	
3162	Red Maple	Acer rubrum	25	Good	
3163	Red Maple	Acer rubrum	25	Good	
3164	Red Maple	Acer rubrum	25	Good	
3165	Red Maple	Acer rubrum	25	Good	
3166	Red Maple	Acer rubrum	25	Good	
3167	Red Maple	Acer rubrum	25	Good	
3168	Red Maple	Acer rubrum	25	Good	
3169	Red Maple	Acer rubrum	25	Good	
3170	Red Maple	Acer rubrum	25	Good	
3171	Red Maple	Acer rubrum	25	Good	
3172	Red Maple	Acer rubrum	25	Good	
3173	Red Maple	Acer rubrum	25	Good	
3174	Red Maple	Acer rubrum	25	Good	
3175	Red Maple	Acer rubrum	25	Good	
3176	Red Maple	Acer rubrum	25	Good	
3177	Red Maple	Acer rubrum	25	Good	
3178	Red Maple	Acer rubrum	25	Good	
3179	Red Maple	Acer rubrum	25	Good	
3180	Red Maple	Acer rubrum	25	Good	
3181	Red Maple	Acer rubrum	25	Good	
3182	Red Maple	Acer rubrum	25	Good	
3183	Red Maple	Acer rubrum	25	Good	
3184	Red Maple	Acer rubrum	25	Good	
3185	Red Maple	Acer rubrum	25	Good	
3186	Red Maple	Acer rubrum	25	Good	
3187	Red Maple	Acer rubrum	25	Good	
3188	Red Maple	Acer rubrum	25	Good	
3189	Red Maple	Acer rubrum	25	Good	
3190	Red Maple	Acer rubrum	25	Good	
3191	Red Maple	Acer rubrum	25	Good	
3192	Red Maple	Acer rubrum	25	Good	
3193	Red Maple	Acer rubrum	25	Good	
3194	Red Maple	Acer rubrum	25	Good	
3195	Red Maple	Acer rubrum	25	Good	
3196	Red Maple	Acer rubrum	25	Good	
3197	Red Maple	Acer rubrum	25	Good	
3198	Red Maple	Acer rubrum	25	Good	
3199	Red Maple	Acer rubrum	25	Good	
3200	Red Maple	Acer rubrum	25	Good	

TREE DATA (CONT'D)

Tree No.	Common Name	Botanical Name	DBH (IN)	Condition	Notes
3201	Black Cherry	Prunus serotina	31	Fair	Severe decay, hollow bole
3202	Red Maple	Acer rubrum	25	Good	
3203	Red Maple	Acer rubrum	25	Good	
3204	Red Maple	Acer rubrum	25	Good	
3205	Red Maple	Acer rubrum	25	Good	
3206	Red Maple	Acer rubrum	25	Good	
3207	Red Maple	Acer rubrum	25	Good	
3208	Red Maple	Acer rubrum	25	Good	
3209	Red Maple	Acer rubrum	25	Good	
3210	Red Maple	Acer rubrum	25	Good	
3211	Red Maple	Acer rubrum	25	Good	
3212	Red Maple	Acer rubrum	25	Good	
3213	Red Maple	Acer rubrum	25	Good	
3214	Red Maple	Acer rubrum	25	Good	
3215	Red Maple	Acer rubrum	25	Good	
3216	Red Maple	Acer rubrum	25	Good	
3217	Red Maple	Acer rubrum	25	Good	
3218	Red Maple	Acer rubrum	25	Good	
3219	Red Maple	Acer rubrum	25	Good	
3220	Red Maple	Acer rubrum	25	Good	
3221	Red Maple	Acer rubrum	25	Good	
3222	Red Maple	Acer rubrum	25	Good	
3223	Red Maple	Acer rubrum	25	Good	
3224	Red Maple	Acer rubrum	25	Good	
3225	Red Maple	Acer rubrum	25	Good	
3226	Red Maple	Acer rubrum	25	Good	
3227	Red Maple	Acer rubrum	25	Good	
3228	Red Maple	Acer rubrum	25	Good	
3229	Red Maple	Acer rubrum	25	Good	
3230	Red Maple	Acer rubrum	25	Good	
3231	Red Maple	Acer rubrum	25	Good	
3232	Red Maple	Acer rubrum	25	Good	
3233	Red Maple	Acer rubrum	25	Good	
3234	Red Maple	Acer rubrum	25	Good	
3235	Red Maple	Acer rubrum	25	Good	
3236	Red Maple	Acer rubrum	25	Good	
3237	Red Maple	Acer rubrum	25	Good	
3238	Red Maple	Acer rubrum	25	Good	
3239	Red Maple	Acer rubrum	25	Good	
3240	Red Maple	Acer rubrum	25	Good	
3241	Red Maple	Acer rubrum	25	Good	
3242	Red Maple	Acer rubrum	25	Good	
3243	Red Maple	Acer rubrum	25	Good	
3244	Red Maple	Acer rubrum	25	Good	
3245	Red Maple	Acer rubrum	25	Good	
3246	Red Maple	Acer rubrum	25	Good	
3247	Red Maple	Acer rubrum	25	Good	
3248	Red Maple	Acer rubrum	25	Good	
3249	Red Maple	Acer rubrum	25	Good	
3250	Red Maple	Acer rubrum	25	Good	
3251	Red Maple	Acer rubrum	25	Good	
3252	Red Maple	Acer rubrum	25	Good	
3253	Red Maple	Acer rubrum	25	Good	
3254	Red Maple	Acer rub			

DATE	REVISION
08/14/23	JSC Stormwater Management Concept Plan Initial Submittal
08/29/24	JSC Stormwater Management Concept Plan Revision Initial Submittal



CAS ENGINEERING DRAINAGE NOTES

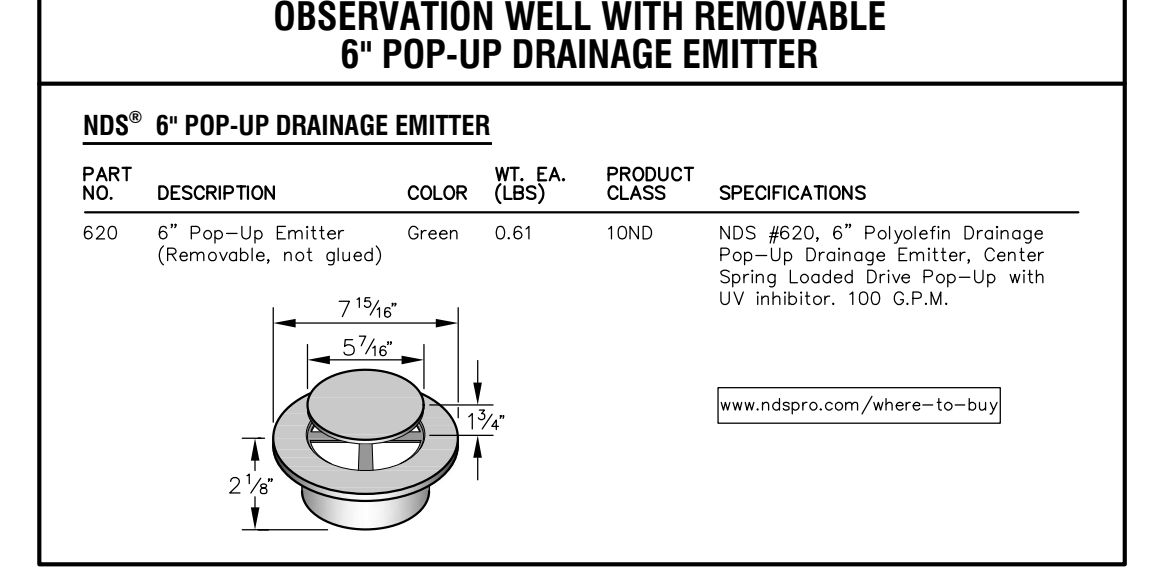
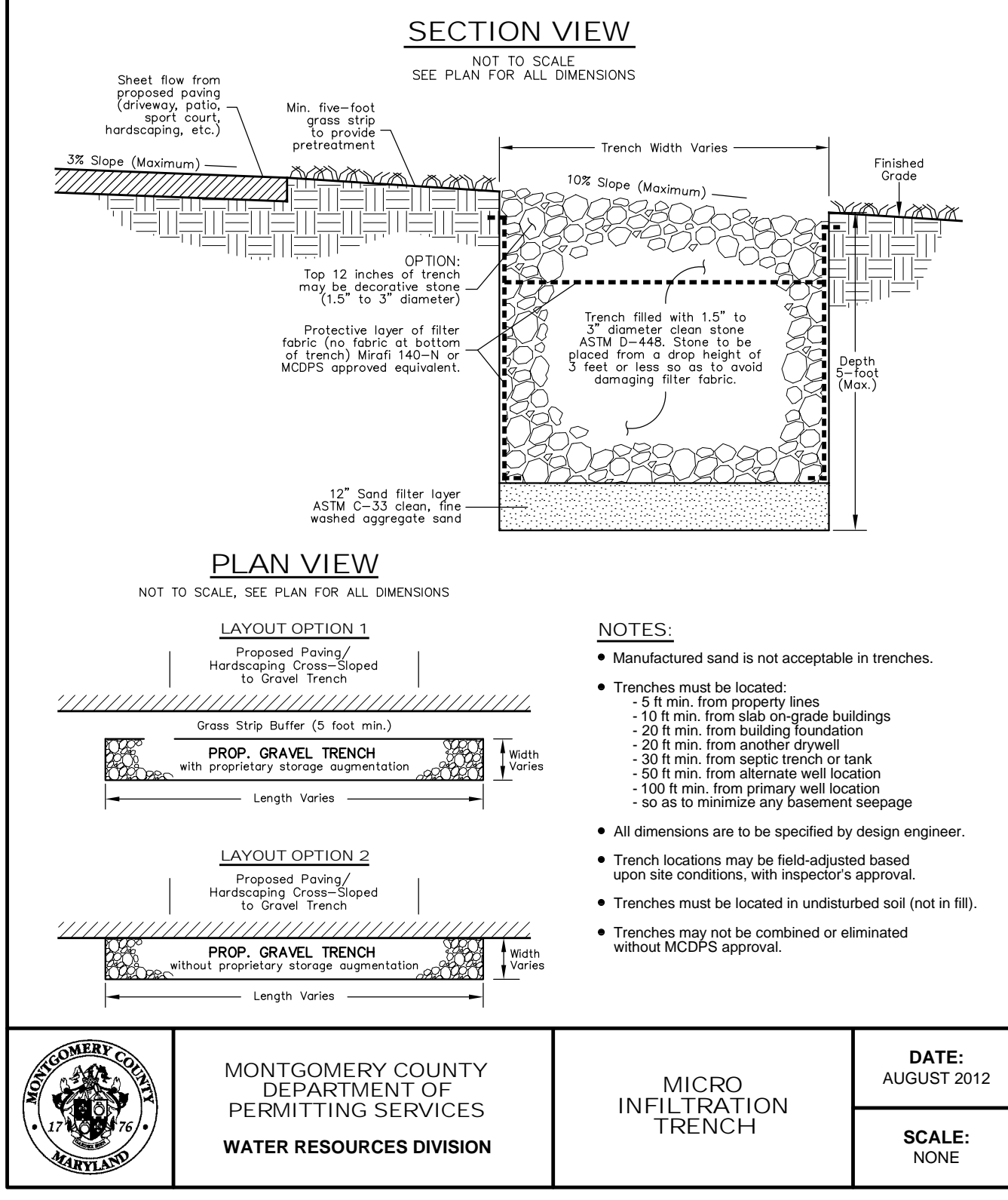
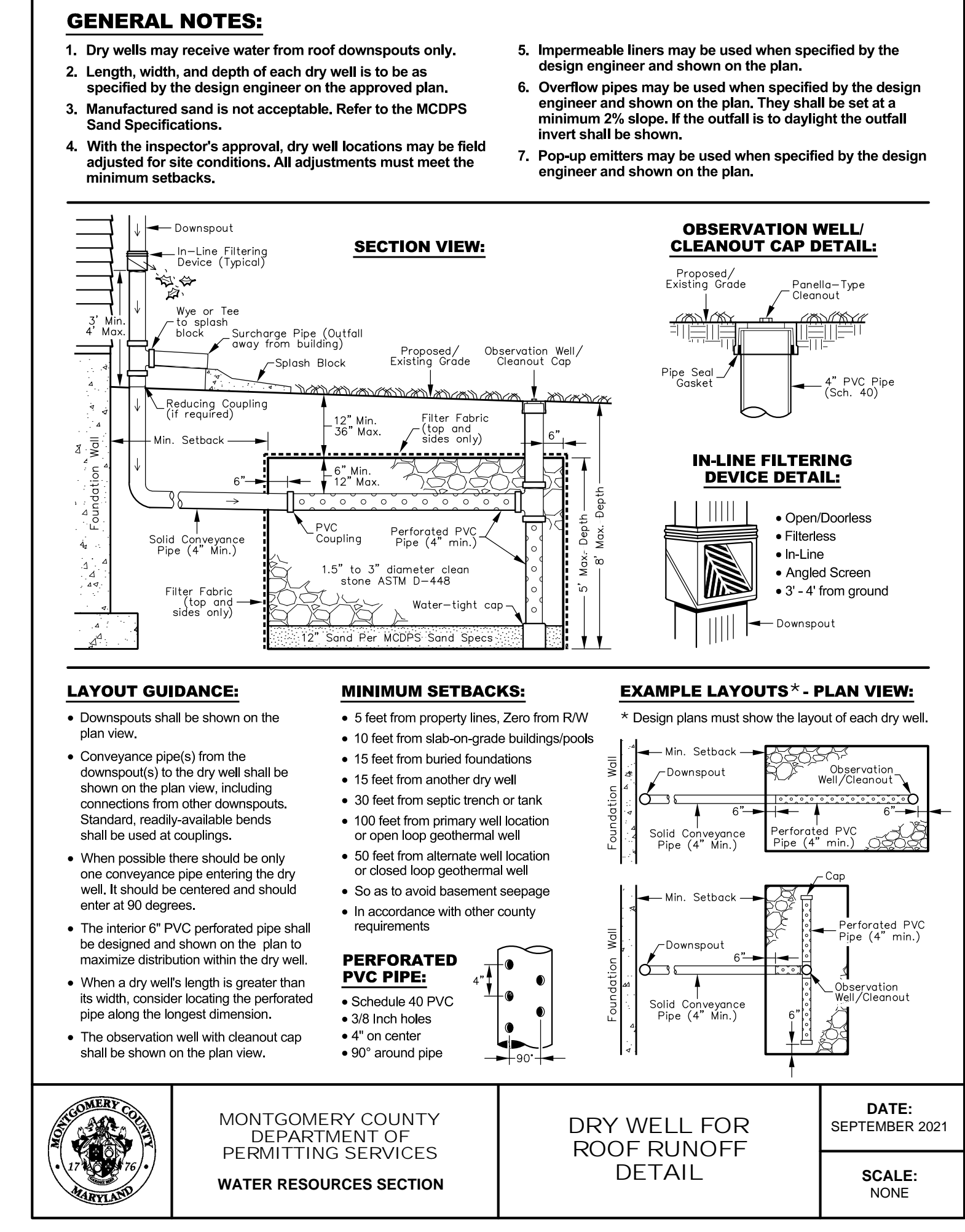
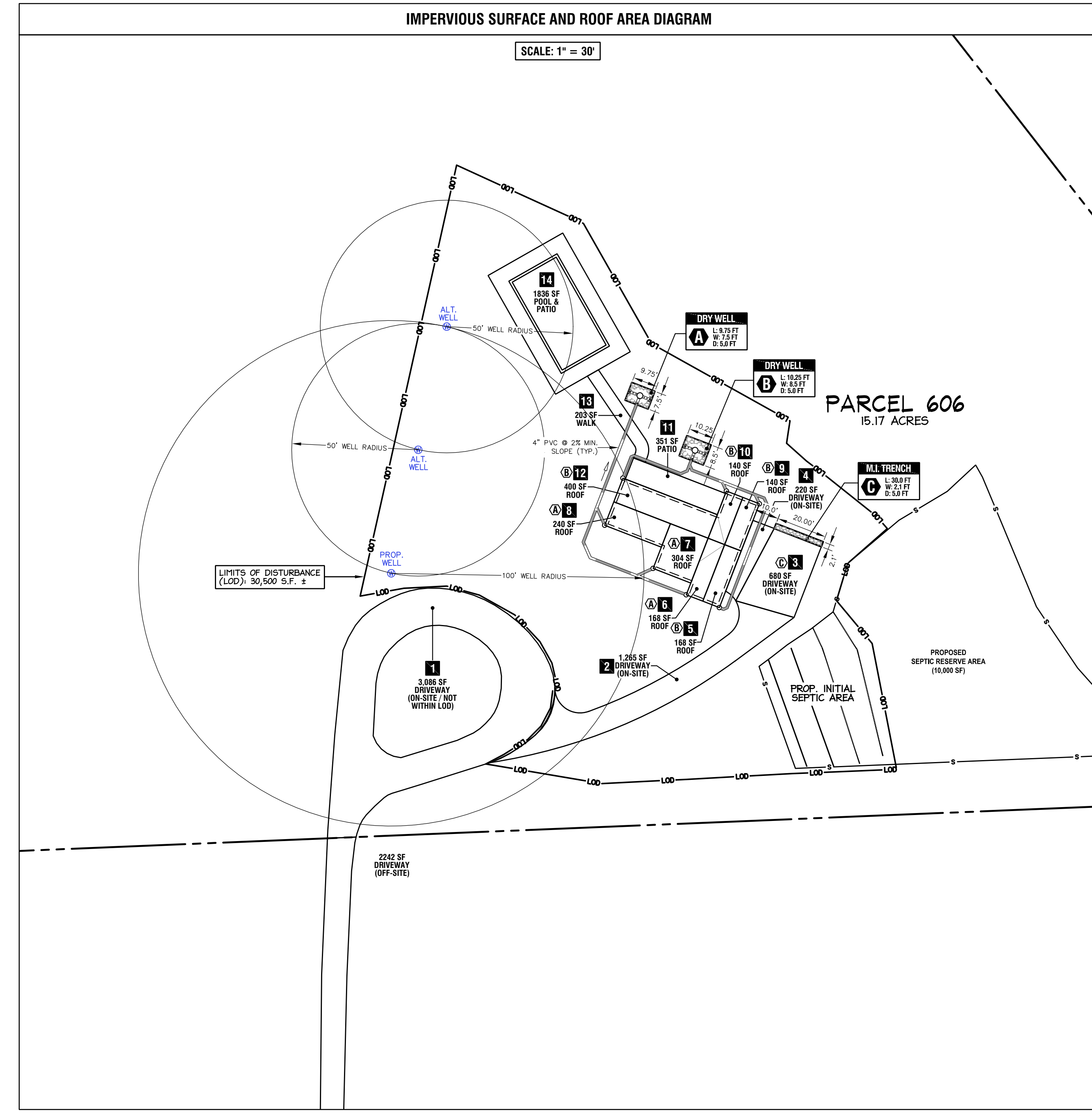
- All storm drain pipe to be Schedule 40 PVC or of higher quality.
- Downspout leaders originating directly from downspouts to be 4" diameter PVC, unless noted otherwise.
- Maintain minimum 1% cover over all pipe. Pipe slopes to be 2% minimum.
- All areaway and window well drains to pump pump - by chamber - unless noted otherwise.
- Sump pump discharge to be located so as to avoid impact to the neighboring properties and to avoid recirculation of water.
- The permittee shall install a splash block at the bottom of each downspout.
- Maintenance of gutters, downspouts, leaf filters, inlets, drain pipes, drainage swales, drywells and other drainage related items should be performed as needed, but at least twice per year.
- Drainage swales and drainage patterns shall not be impeded with trees, landscaping, fences, etc.
- Window wells shall have a minimum freeboard of 6 inches and should be kept free of leaves and debris.
- Ground cover (soil, seed, etc.) shall be selected based on soil conditions, drainage, sun exposure, final grade slopes, etc. per M.D.E. specifications.
- Multi-Flow™ or equivalent drainage systems are recommended in lawn areas with a 3% slope or less.
- Gutters and downspouts to be installed early as possible, subject to availability of materials and labor.
- Sediment control devices must be inspected daily and with extra care before storm events. On disturbed sites they should be monitored during storm events.
- Areas where construction is complete, such as side and rear yards, should be permanently stabilized as early as possible and in conformance with M.D.E. specifications.
- Sump pumps serving driveways, patios, areaways, and other large open impervious surfaces must be sized for a 100-year storm event.

ESD COMPUTATIONS - 13635 Darnestown Road (HYDROLOGIC SOIL GROUP B)						
TOTAL LOT AREA FOR P, DETERMINATION	TOTAL LOT IMPERVIOUS AREA FOR P, DETERMINATION	LOT IMPERVIOUS AREA PERCENTAGE (P) FOR DETERMINATION	R ₁ = RAINFALL TARGET (INCHES) APPLY IMPERVIOUS COVER PERCENTAGE TO TABLE 5.3	R ₂ = RAINFALL TARGET (INCHES) APPLY IMPERVIOUS COVER PERCENTAGE TO TABLE 5.3	PER SECTION 5.2.3, THE SIZE OF ANY PRACTICE IS LIMITED TO THE RUNOFF FROM THE 1-YEAR 24-HOUR STORM	(Q) VOLUME = (Area) x (P) Max x (R ₁ /R ₂) / 12
640,800 SF	8,201 SF	1.28%	1.0 IN	1.0 IN		
TOTAL L.O.D. AREA FOR R, & ESD, DETERMINATION	TOTAL IMPERVIOUS AREA WITHIN L.O.D. FOR R, DETERMINATION	L.O.D. IMPERVIOUS AREA PERCENTAGE (R) FOR R, DETERMINATION	R ₁ = RAINFALL YIELDING FOR R, DETERMINATION	R ₂ = RAINFALL YIELDING FOR R, DETERMINATION		
30,500 SF	6,115 SF	20.05%	0.15 IN	0.15 IN		
DETERMINED ESD REQUIRED BASED ON THE L.O.D. (L.O.D. OF DISTURBED)	TARGET ESD ₁ = (P) x (R ₁) x (A) / 12	TARGET ESD ₂ = (R) x (R ₂) x (A) / 12	TOTAL SITE ESD VOLUME REQUIRED: 584.4 CF			

DRYWELL STRUCTURE	IMPERVIOUS AREA (SQ. FT.)	DRAINAGE AREA (SQ. FT.)	MINIMUM REQUIRED ESD ₁ (CF)	DRYWELL DIMENSIONS (L x W x H) (FEET)	DRYWELL SURFACE AREA (SQ. FT.)	DRYWELL VOLUME (CU. FT.)	Q ₁ MAXIMUM VOLUME CHECK (1-YEAR STORM 2.4 IN)	DRYWELL VOLUME PROVIDED (CU. FT.)
A ROOF	6	189 SF	ESD ₁ = 732.0 (A) x (R ₁) x (P) / 12	9.75 (LENGTH) x 2.5 (WIDTH) x 5.0 (DEPTH)	A = 9.75 (L) x 2.5 (W) = 24.375	V = 73.1 (A) x (H) x (L) x (W) = 146.2 CF	ESD ₁ = 732.0 (A) x (R ₁) x (P) / 12	146.2 CF
B ROOF	5	140 SF	ESD ₁ = 540.0 (A) x (R ₁) x (P) / 12	10.25 (LENGTH) x 3.5 (WIDTH) x 5.0 (DEPTH)	A = 10.25 (L) x 3.5 (W) = 35.875	V = 87.1 (A) x (H) x (L) x (W) = 174.2 CF	ESD ₁ = 540.0 (A) x (R ₁) x (P) / 12	174.2 CF
C DRIVEWAY	3	893 SF	ESD ₁ = 893.0 (A) x (R ₁) x (P) / 12	2.0 (LENGTH) x 2.0 (WIDTH) x 5.0 (DEPTH)	A = 20.0 (L) x 2.0 (W) = 40.0	V = 40.0 (A) x (H) x (L) x (W) = 80.0 CF	ESD ₁ = 893.0 (A) x (R ₁) x (P) / 12	80.0 CF
AREA NOT TREATED	1	0.0 SF						
2	1.26 SF							
3	255 SF							
4	30 SF							
5	203 SF							
6	1,336 SF							
TOTAL	1,817 SF							

DRYWELL STRUCTURE	ESD PROVIDED VIA DRYWELLS	ESD PROVIDED VIA DOWNSPOUTS	ESD PROVIDED VIA MICRO INFILTRATION TRENCH	ESD PROVIDED VIA LANDSCAPE INFILTRATION	ESD PROVIDED VIA PERMEABLE PAVEMENTS	TOTAL ESD PROVIDED
A	146.2 CF	0.0 CF	0.0 CF	0.0 CF	0.0 CF	146.2 CF
B	174.2 CF	0.0 CF	0.0 CF	0.0 CF	0.0 CF	174.2 CF
C	80.0 CF	0.0 CF	0.0 CF	0.0 CF	0.0 CF	80.0 CF
TOTAL	400.4 CF	0.0 CF	0.0 CF	0.0 CF	0.0 CF	400.4 CF

DRYWELL SCHEDULE - 13635 Darnestown Road										
DRYWELL STRUCTURE	FRESHED GRADE (LOW SIDE)	FRESHED GRADE (HIGH SIDE)	ELEVATION AT TOP OF MANHOLE (FINISH)	COVER DEPTH OVER DRYWELL (MIN. COVER)	PIPE INVERT AT DOWNSPOUTS	TOTAL DEPTH OF GRAVEL	ELEVATION AT BOTTOM OF GRAVEL	TOTAL DEPTH OF SAND	ELEVATION AT BOTTOM OF SAND	RECOMMENDED OVERFLOW
A	346.5	348.0	345.0	3.0	348.0	4.0 R	341.0	1.0 R	340.0	8.0 R
B	350.0	351.5	348.5	3.0	347.5	4.0 R	344.5	1.0 R	343.5	8.0 R



MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES WATER RESOURCES SECTION
 DATE: SEPTEMBER 2021
 SCALE: NONE

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES WATER RESOURCES DIVISION
 DATE: AUGUST 2012
 SCALE: NONE

OWNER/APPLICANT
 Kent Murphy
 1800 Wilson Boulevard, Unit 449
 Arlington, VA 22201
 (541) 558-8586 Phone
 kentmurphyemail@gmail.com

13635 Darnestown Road
 Parcel 606, Rich Meadows
 Combination Concept /
 Site Development SWM Plan
 Revision
 MCDPS No. 289966

Parcel 606, Rich Meadows
 Book 63849, Page 66, Recorded 06/2021
 Darnestown (6th) Election District, Montgomery County, MD
 13635 Darnestown Road Darnestown, Maryland 20878
 MNCPC No. F620240060

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4 of 4



DEPARTMENT OF PERMITTING SERVICES

Marc Elrich
County Executive

Rabbiah Sabbakhan
Director

MEMORANDUM

October 25, 2024

TO: Jeffrey Server
Development Review
Maryland National Capital Park and Planning Commission

FROM: Megan Wilhelm *MW*
Well and Septic Section
Department of Permitting Services

SUBJECT: Status of Administrative Subdivision, Rich Meadows, parcel 606:

Rich Meadows
13635 Darnestown Road
Darnestown, MD 20878
Preliminary Plan #620240010

This is to notify you that the Well & Septic Section of MCDPS approved the final well and septic plan (#293063) received in this office on May 15, 2024.

Approved with the following reservations:

1. The record plat must show the septic reserve area as it is shown on this plan with the 20 ft SBRL.
2. The septic reserve area is approved for a maximum of five bedrooms.
3. The septic field building restriction line is subject to change upon reapproval by the MCDPS Well and Septic section.
4. Forest conservation easements established after this approval must meet all minimum well and septic setback requirements:
 - a. 5 feet from all septic areas
 - b. 10 feet from all well sites
5. Stream Valley Buffers established after this approval, must not encroach within the septic area boundaries. Sewage disposal areas require a separation distance of 100 feet from all streams.



If you have any questions, please contact Megan Wilhelm at (240) 777-6271.

From: Steve Boukedes and Caroline Owen (Adjacent Lot 40)
15605 Indian Run Ct.
Darnestown, MD 20878

To: Intake and Regulatory Coordination Division (IRC)
M-NCPPC
2425 Reddie Drive
Wheaton, MD 20902

Subject: Questions on Development Plan Number 620240010 - Rich Meadows, Parcel 606

Hello,

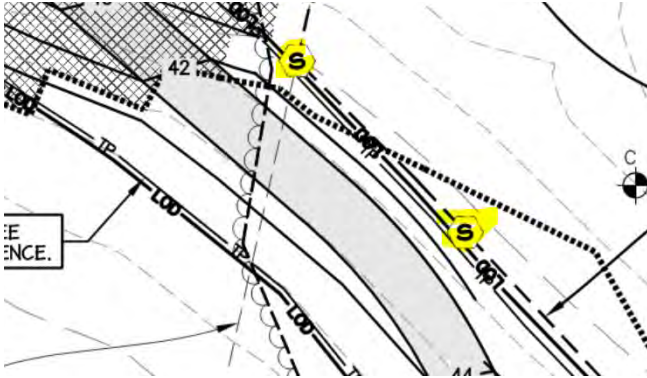
We received a letter dated 10/24/2023 informing us of the proposed development on the adjacent lot, and after checking online for a week, we still do not see a lead reviewer assigned to this plan. We are writing to hopefully get more information about this proposal- specifically, items that are documented on Administrative Subdivision Plan AP-6:

1. What do the Hexagon-S symbols represent?

Based on past plans submitted by this engineering firm, I believe the hexagons with the S inside are proposed Forest Conservation Easement (forest to be protected) signs. I don't see it in the legend, so I will ask them to add it.

The typical sign is a 4"x4" post and sign like this:



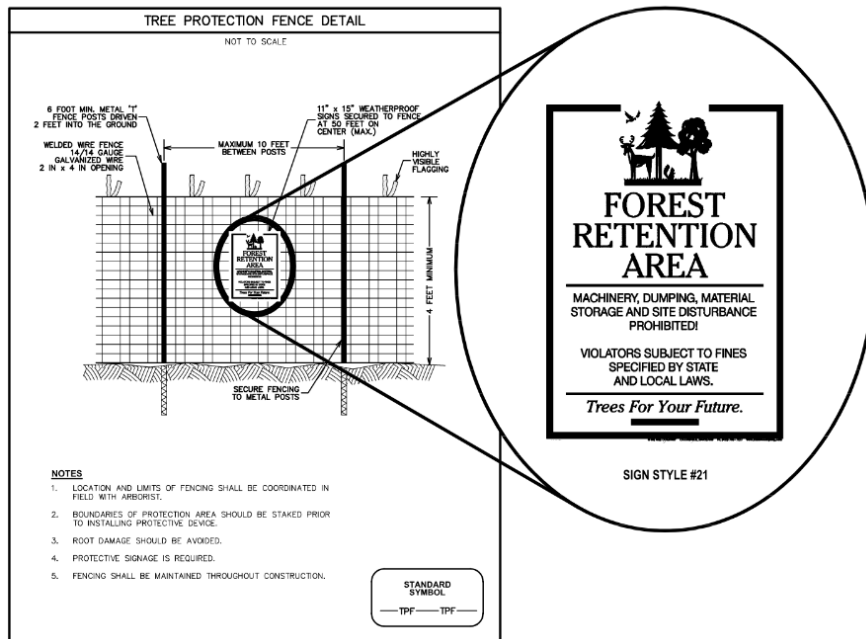


2. What is the purpose of the very large Accessory Structure?

That information isn't really part of my review, but the engineer said they intend on using it for vehicle/equipment storage. The structure does appear to be larger than what is permitted in the Zoning Ordinance. The Montgomery County Department of Permitting Services, zoning Section, will be reviewing the application and they will provide feedback regarding the size of the building.

3. Is the tree protection fence temporary? If not, can you describe the style and height?

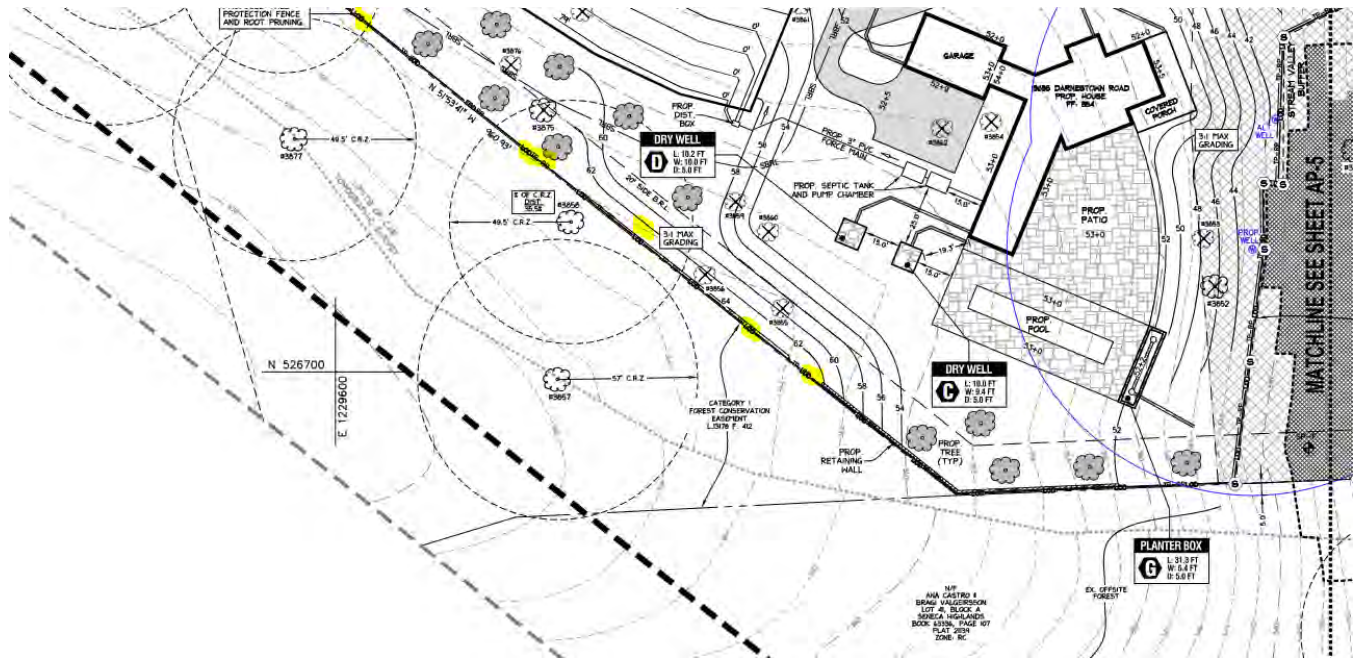
The tree protection fencing (TPF) is a temporary measure that helps protect existing trees from damage during the construction process. The TPF will be removed once construction is complete. The Forest Conservation Easement signs (above) are permanent.



4. What is the purpose of the dashed line labeled **Limits of NRF-FSD Plan**? Since this extends into our lot we expect that there would be zero incursion/disturbance of this area but could you please clarify?

The limits of the NRI-FSD (100 feet from the property line) are distinctly different than the Limits-of-disturbance (LOD) identified in yellow on the plan below. The NRI-FSD limit (highlighted in the legend) is the area they need to look at to identify environmental features, including significant trees, streams, etc. The inventory area does extend outside of the subject property, in order to assess impacts to the off-site trees etc. All land disturbance will occur inside the LOD.

Screenshots from Sheet AP-6



LEGEND

EXISTING FEATURES	
	Ex. Two- And Ten-foot Contours
	Ex. Spot Elevation
	Ex. Chain Link or Wire Fence
	Ex. 100-ft Limits of NRI-FSD
	Ex. Limits of Topographic Survey
	Ex. Stream Valley Buffer
	Ex. Forest Area
	Ex. Forest Sample Point
	Ex. Soil Line with Soil Types
	Ex. Steep Slopes (> 25%)
	Ex. Erodible Soil Slopes (> 15%)
	Ex. Tree Line

I am happy to communicate via email at boukemail@gmail.com.

Thank you,

Steve Boukedes and Caroline Owen