

Environmental Inventory Report

**St. Mary's County Sports Complex Project
St. Mary's County, Maryland**

**Prepared For:
Manns Woodward Studios
10839 Philadelphia Road
White Marsh, Maryland, 21162**

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1.0 INTRODUCTION

Navarro & Wright Consulting Engineers, Inc. (N&W), was retained by Manns Woodward Studios (MW) in association with St. Mary's County to conduct an inventory of existing environmental resources within the project study area of the St. Mary's County Sports Complex Project, located within California, St. Mary's County, Maryland (Figure 1, Regional Location Map, Appendix A).

The purpose for the inventory of existing environmental resources is to provide guidance for avoidance by proposed construction activities within the project study area. The scope of the inventory included a desktop review of environmental resources supported by a preliminary field view. No delineations, surveys, or site assessments of environmental resources were conducted per the scope of work. It is understood that this Report will be used in conjunction with other studies to investigate the potential development of a new sports complex located in St. Mary's County, Maryland.

This Report is preliminary in nature and will not satisfy National Environmental Policy Act documentation requirements or the Maryland Forest Conservation Act of 1991.

This work product is certified to be in compliance with Navarro & Wright Consulting Engineers, Inc.'s overall QA/QC process.

2.0 PROJECT DESCRIPTION

The St. Mary's County Athletic Complex Project is a preliminary design services project for the development of a sports complex site located at 22405 Johnson Pond Lane, California, Maryland, 20619. A central latitude and longitude of the project study area is 38.283408°N, - 76.539234°W. An outline of the proposed project study area is shown on Figures 3 through 7 (Environmental Features Maps, Appendix B).

The proposed development scheme was not finalized at the time of the Report. However, the preliminary site plans and program are included in Appendix C.

It is proposed for the total site to be 254.9 acres. It is proposed that there will be 4 construction pads, Pad A through D. Pad A is proposed to be 5.0 acres, Pad B is proposed to be 18.0 acres, Pad C is proposed to be 18.8 acres, and Pad D is proposed to be 32.0 acres. Additionally, it is proposed that there will be 5.2 acres of roadways and infrastructure and 175.9 acres of undisturbed area. It is proposed that the total indoor facilities, parking, and accessory areas will be 7.8 acres and the total outdoor facilities, parking, and accessory areas will be a total of 62.9 acres.

3.0 ENVIRONMENTAL RESOURCES

The following existing environmental resources have been investigated and analyzed through desktop review of secondary source information utilizing Maryland's Environmental Resources and Land Information Network (MERLIN) and the associated mapping files found on Maryland's Mapping and GIS Data Portal (MD iMAP).

Figures prepared depicting the environmental resource mapping can be found in Appendix B (Figures 3 through 8).

Existing environmental resources identified during the desktop review were verified during a preliminary field reconnaissance conducted by N&W on January 29, 2025. The eastern portion of the site was inaccessible during the preliminary field view. Photographs depicting the general site conditions and environmental features noted during the preliminary field reconnaissance can be found in Appendix D along with the photograph locations and orientations on Figure 9 (Photograph Location Map, Appendix D).

3.1 Watercourses

The presence of watercourses within the project study area was evaluated utilizing the MD iMAP hosted service layer Maryland Waterbodies – Rivers and Streams (Detailed), 2010. This dataset is comprised of line features of rivers and streams (detailed shape) in Maryland. The project study area is within the Lower Potomac River watershed. The designated use classes for watercourses within the project study area were evaluated utilizing the Maryland Department of the Environment's (MDE) Designated Uses/Use Class Map for Maryland's Surface Waters webpage and associated interactive web map.

A total of 3 watercourses were mapped within the center of the project study area. The 3 mapped watercourses included Saint Mary's River and 2 unnamed tributaries to Saint Mary's River. All 3 watercourses are classified as Designated Use Class I: Water Contact Recreation, and Protection of Nontidal Warmwater Aquatic Life.

The presence of scenic and wild rivers within the project study area was evaluated utilizing the Department of Natural Resources (DNR) – Stewardship Scenic and Wild Rivers in Maryland Map.

Scenic and wild rivers are not mapped within the project study area.

The presence of navigable waterways within the project study area was evaluated utilizing the MD iMAP hosted service layer Maryland Transit – Navigable Waterways, 2016. The National Waterway Network is a comprehensive network database of the nation's navigable waterways.

Navigable waterways are not mapped within the project study area.

A total of 2 unmapped watercourses were observed within the center of the project study area during the preliminary field reconnaissance.

Figure 3 (Environmental Features Map – Wetlands and Water Related Features, Appendix B) shows the watercourses.

3.2 Wetlands

The presence of U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) Wetlands within and adjacent to the project study area was evaluated utilizing the Maryland Shapefile downloaded on December 21, 2022. Maryland Wetlands – Wetlands (National Wetland Inventory), 1992. The USFWS NWI Wetlands Mapper fulfills the Service's strategic plan for the development, revision and dissemination of wetlands data and information. The topical wetland and riparian data are graphic representations of the type, size and location of the wetlands, deepwater or riparian habitats in the United States. These data have been prepared from the analysis of high altitude imagery in conjunction with collateral data sources and field work. The Service uses the Cowardin et al. 2nd Edition (2013) definition of a wetland. The wetland areas shown on the NWI maps were based on analysis of high altitude imagery in conjunction with collateral data sources and field work. As such, NWI maps are not intended as indicators of regulated wetlands (pursuant to the Clean Water Act), but serve as a source for locating general wetland areas, boundaries, and characteristics. The presence or absence of a regulated wetland can only be confirmed through a detailed field reconnaissance.

A total of 11 NWI wetlands were mapped within the project study area. NWI wetland characteristics are summarized in Table 1 – NWI Wetlands.

Table 1 – NWI Wetlands

Wetland Classification	Class Symbol	Acres	Location in Project Study Area (quadrant)
Palustrine, forested, broad-leaved deciduous, temporary flooded	PFO1A	6.32	Northwest
Palustrine, forested, broad-leaved deciduous, seasonally flooded/saturated	PFO1E	3.68	Northwest
Palustrine, forested, broad-leaved deciduous, seasonally flooded	PFO1C	7.58	Southeast

Table 1 – NWI Wetlands

Wetland Classification	Class Symbol	Acres	Location in Project Study Area (quadrant)
Palustrine, forested, broad-leaved deciduous, temporary flooded	PFO1A	50.08	Southeast
Palustrine, forested, broad-leaved deciduous, temporary flooded	PFO1A	1.23	Northeast
Palustrine, forested, broad-leaved deciduous, seasonally flooded/saturated	PFO1E	6.12	Southeast
Palustrine, scrub-shrub, broad-leaved deciduous, seasonally flooded/saturated, permanently flooded	PSS1EH	0.83	Northeast
Palustrine, emergent, persistent, semi permanently flooded	PEM1F	0.41	Northeast
Palustrine, emergent, scrub-shrub, broad-leaved deciduous, seasonally flooded/saturated, seasonally saturated	PEM/SS1EB	4.20	Southeast
Palustrine, emergent, scrub-shrub, broad-leave deciduous, seasonally flooded/saturated, permanently flooded	PEM/SS1EH	4.32	Northeast
Palustrine, unconsolidated bottom, permanently flooded, diked/impounded	PUBHh	10.36	Northeast

DNR Wetlands within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Wetlands – Wetlands, Linear (Department of Natural Resources), 1995. The Maryland Department of Natural Resources began updating NWI mapping of wetlands in Maryland in the early 1990s. This database provides a simple and effective means of documenting the date and status of wetlands mapping in Maryland. It is a companion reference to the 'DNR Wetlands' maps and associated metadata.

A total of 19 DNR wetlands were mapped within the project study area. DNR wetland characteristics are summarized in Table 2 – DNR Wetlands.

Table 2 – DNR Wetlands

Wetland Classification	Class Symbol	Acres	Location in Project Study Area (quadrant)
Palustrine, forested, broad-leaved deciduous, temporarily flooded	PFO1A	0.70	Northwest
Palustrine, forested, broad-leaved deciduous, seasonally flooded/saturated	PFO1E	2.38	Northwest
Palustrine, forested, broad-leaved deciduous, seasonally flooded	PFO1C	1.84	Northwest
Palustrine, scrub-shrub, forested, broad-leaved deciduous, seasonally flooded/saturated, diked/impounded	PSS/FO1Eh	0.73	Northwest
Palustrine, forested, broad-leaved deciduous, seasonally flooded	PFO1C	1.11	Southeast
Palustrine, scrub-shrub, forested, broad-leaved deciduous, seasonally flooded/saturated, beaver	PSS/FO1Eb	2.84	Southeast
Palustrine, unconsolidated bottom, semi permanently flooded, beaver	PUBFb	1.74	Southeast
Palustrine, scrub-shrub, forested, broad-leaved deciduous, seasonally flooded/saturated, beaver	PSS/FO1Eb	1.66	Southeast
Palustrine, forested, broad-leaved deciduous, temporarily flooded	PFO1A	0.31	Southeast
Palustrine, emergent, persistent, seasonally flooded/saturated, beaver	PEM1Eb	0.64	Southeast
Palustrine, forested, broad-leaved deciduous, seasonally flooded	PFO1C	3.77	Southeast

Table 2 – DNR Wetlands

Wetland Classification	Class Symbol	Acres	Location in Project Study Area (quadrant)
Palustrine, unconsolidated, scrub-shrub, broad-leaved deciduous, semi permanently flooded, beaver	PUB/SS1Fb	1.89	Southeast
Palustrine, scrub-shrub, broad-leaved deciduous, emergent, persistent, seasonally flooded/saturated, beaver	PSS1/EM1Eb	3.29	Southeast
Palustrine, forested, broad-leaved deciduous, temporarily flooded	PFO1A	3.94	Southwest
Palustrine, forested, scrub-shrub, broad-leaved deciduous, seasonally flooded, beaver	PFO/SS1Cb	4.14	Southeast
Palustrine, unconsolidated bottom, permanently flooded, diked/impounded	PUBHh	13.77	Northeast
Palustrine, emergent, persistent, semi permanently flooded, diked/impounded	PEM1Fh	0.33	Northeast
Palustrine, forested, broad-leaved deciduous, seasonally flooded	PFO1C	0.29	Northeast
Palustrine, forested, broad-leaved deciduous, temporarily flooded	PFO1A	1.55	Northeast

Wetlands of Special State Concern (WSSC) within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Wetlands – Wetlands, Polygon (Special State Concern), 2017. In Maryland certain wetlands with rare, threatened, and endangered species or unique habitat receive special attention. The Code of Maryland Regulations (COMAR) Title 26, Subtitle 23, Chapter 06, Sections 01 & 02 identifies these WSSC's and affords them certain protections including a 100-foot buffer from development. The Maryland Department of the Environment is responsible for identifying and regulating these wetlands. In general, the US Fish and Wildlife Service's National Wetlands Inventory wetlands provides the basis for identifying these special wetlands. Additional information, determined from field inspections, is used to identify and classify these areas.

WSSCs were not mapped within the project study area.

Figure 3 (Environmental Features Map – Wetlands and Water Related Features, Appendix B) shows the mapped NWI, DNR, and WSSC wetland systems.

3.3 Groundwater Resources

Groundwater resources within the project study area were evaluated utilizing the Maryland Geologic Survey, Water Well Data Inventory System and through a review of the local water supplier's service area map, MetCom Online GIS Map.

Groundwater resources were not mapped within the project study area.

3.4 Coastal Zone

Maryland's coastal zone within the project study area was evaluated utilizing the Department of Natural Resources – Maryland's Coastal Zone. The Maryland coastal zone is comprised of the land, water, and subaqueous land between the territorial limits of Maryland in the Chesapeake Bay, Atlantic Coastal Bays, and the Atlantic Ocean, as well as the towns, cities, and counties that contain and help govern the thousands of miles of Maryland shoreline. The Maryland coastal zone extends from 3 miles out in the Atlantic Ocean to the inland boundaries of the 16 counties and Baltimore City that border the Atlantic Ocean, Chesapeake Bay, and the Potomac River up to the District of Columbia. This area encompasses 2/3 of the State's land area and is home to almost 70% of Maryland's residents.

The project study area is located within the Coastal Zone and Chesapeake Bay Watershed Area.

3.5 Flood Insurance Rate Map

Flood risk within the project study area was evaluated utilizing the Federal Emergency Management Agency (FEMA), Flood Map Service Center tool. The FEMA uses the best available technical data to create the flood hazard maps that outline a community's different flood risk areas. The National Flood Insurance Program (NFIP), Flood Insurance Rate Map (FIRM) was created to identify Special Flood Hazard Areas or areas subject to flooding by the one (1) percent annual chance (100-year) flood. FIRMs include statistical information, such as data for river flow, storm tides, hydrologic/hydraulic analyses, rainfall, and topographic surveys.

The project study area is shown on FIRM panel number 24037C0191E (effective October 19, 2004) to be located within Flood Zone AE (100-year flood hazard) and Flood Zone X (area of minimal flood hazard).

Figure 3 (Environmental Features Map – Wetlands and Water Related Features, Appendix B) shows the mapped flood zones.

3.6 Soils

Soils within the project study area were evaluated utilizing the Web Soil Survey, maintained by the United States Department of Agriculture, Natural Resources Conservation Service, and the MD iMAP hosted service layer Maryland SSURGO – SSURGO Soils, 2018. The Web Soil Survey provides detailed information for soil map units, soil characteristics, and farmland classifications.

The project study area is comprised of 20 soil map units. Soil characteristics are summarized in Table 3 – Soil Characteristics.

Figure 4 (Environmental Features Map – Physiographic and Soil Features, Appendix B) shows the soil map units and the erodible soil map units (K value greater than 0.35).

Table 3 - Soil Characteristics

Soil Map Unit	Map Symbol	Slope (%)	K Factor	Farmland Classification
Alluvial land	Aa	0-2	0.32	Not Prime Farmland
Beltsville silt loam, 2 to 5 percent slopes, moderately eroded	BIB2	2-5	0.37	Farmland of Statewide Importance
Beltsville silt loam, 5 to 10 percent slopes, severally eroded	BIB3	5-10	0.43	Not Prime Farmland
Bibb silt loam, frequently flooded	Bm	0-1	0.32	Not Prime Farmland
Bourne fine sandy loam, 2 to 5 percent slopes, moderately eroded	BrB2	2-5	0.28	Farmland of Statewide Importance
Bourne fine sandy loam, 5 to 10 percent slopes, severally eroded	BrB3	5-10	0.28	Not Prime Farmland
Caroline silt loam, 5 to 10 percent slopes, moderately eroded	CaC2	5-10	0.49	Farmland of Statewide Importance
Caroline silt loam, 5 to 10 percent slopes, severally eroded	CaC3	5-10	0.49	Not Prime Farmland
Chillum loam, 0 to 2 percent slopes	ChA	0-2	0.32	All Areas are Prime Farmland
Chillum loam, 2 to 5 percent slopes, moderately eroded	ChB2	5-10	0.32	All Areas are Prime Farmland

Table 3 – Soil Characteristics

Soil Map Unit	Map Symbol	Slope (%)	K Factor	Farmland Classification
Chillum loam, 5 to 10 percent slopes, moderately eroded	ChC2	5-10	0.32	Farmland of Statewide Importance
Chillum loam, 5 to 10 percent slopes, severally eroded	ChC3	5-10	0.32	Not Prime Farmland
Croom gravelly sandy loam, 5 to 10 percent slopes, moderately eroded	CrC2	5-10	0.28	Farmland of Statewide Importance
Evesboro loamy sand, 8 to 15 percent slopes	EvC	8-15	0.15	Not Prime Farmland
Evesboro-Westphalia complex, 12 to 20 percent slopes moderately eroded	EwD2	12-20	0.15/0.37	Not Prime Farmland
Evesboro-Westphalia complex, 20 to 45 percent slopes moderately eroded	EwE2	20-45	0.15/0.37	Not Prime Farmland
Kempsville fine sandy loam, 10 to 15 percent slopes, moderately eroded	KeD2	10-15	0.28	Not Prime Farmland
Rumford loamy sand, 5 to 10 percent slopes, moderately eroded	RuC2	5-10	0.10	Farmland of Statewide Importance
Sassafras sandy loam, 5 to 10 percent slopes, Northern Coastal Plain	SaaC	5-10	0.20	Farmland of Statewide Importance
Woodstown sandy loam, 2 to 5 percent slopes, Northern Coastal Plain	WdaB	2-5	0.24	All Areas are Prime Farmland

3.7 Physiographic Provinces

Physiographic provinces within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Geology – Physiographic Provinces, 2002.

The project is located within the Embayed Section of the Western Shore Uplands Region in the Atlantic Coastal Plain Province. The landform is a relatively flat upland surface comprised of alluvial plains and fluvial-estuarine terraces that occupy the high elevations of the Southern portion of Maryland. Stream incision creates steep-sided valleys. Much of the upland soils contain a fragipan. The underlying geology consists of essentially flat-lying to gently

southeast-dipping sedimentary beds. The rock unit is comprised of mainly sands and gravels of early to late Pliocene age.

Unique geologic resources within the project study area were evaluated utilizing Maryland Geological Survey – Tour Maryland Geology.

Unique geologic resources are not mapped within the project study area.

Figure 4 (Environmental Features Map – Physiographic and Soil Features, Appendix B) shows the mapped physiographic province.

3.8 Critical Areas

Critical areas within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Critical Areas – Critical Areas, 2018. This data set represents the Maryland DNR interpretation of the location, land cover/land use type, and geographic extent of the critical land areas for towns near the Chesapeake Bay. A Critical Area includes all land within 1,000 feet of tidal waters and wetlands in Maryland, as well as the waters of Maryland's Chesapeake Bay and coastal bay area.

Critical Areas are not mapped within the project study area.

3.9 Rural Legacy Areas

Rural legacy areas within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Focal Areas – Rural Legacy Areas, 2018. In 1997, the Maryland General Assembly approved the Rural Legacy Program. The purpose of the Rural Legacy Program is to protect Maryland's best remaining rural landscapes and natural areas through the purchase of land or conservation easements. In a grass root approach, local government and land trusts (sponsors) apply to have places that are significant to the community and the state designated as Rural Legacy Areas.

Rural Legacy Areas are not mapped within the project study area.

3.10 Targeted Ecological Areas

Targeted ecological areas within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Focal Areas – Targeted Ecological Areas, 2011. Targeted Ecological Areas (TEAs) are lands and watersheds of high ecological value that have been identified as conservation priorities by the DNR for natural resource protection.

A targeted ecological area of approximately 39,529-acres is mapped within the project study area. Targeted ecological areas protect rare species and wildlife habitat that support either rare, threatened, and endangered species; rare

plant and animal communities; species of greatest conservation need; and wildlife concentrations.

The boundary of the targeted ecological area can be seen in Figure 5 (Environmental Features Map – Critical, Focal, and Living Resource Areas, Appendix B).

3.11 Forest Interior Dwelling Species

Forest interior dwelling species within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Living Resources – Forest Interior Dwelling Species, 2013. This file was created for the purpose of planning and analysis for the conservation of a group of species, called Forest Interior Dwelling Species (FIDS), known to require habitat conditions in the interior of forests for optimal reproduction and survival. FIDS habitat is provided protection under the Critical Areas Law in Maryland.

An area identified as Class 1, potential FIDS core area is mapped within the project study area. According to the DNR, Class 1 areas are forest patches that contain over 200 hectares (about 500 acres) of forest interior habitat; on the coastal plain also must be over 50% deciduous or mixed forest.

The boundary of the FIDS can be seen in Figure 5 (Environmental Features Map – Critical, Focal, and Living Resource Areas, Appendix B). The boundary contains only the results of a model depicting where potential FIDS habitat might occur based on certain defined criteria. These boundaries have not been field verified for actual FIDS presence.

3.12 Rare, Threatened, and Endangered Species

The presence of Rare, Threatened, and Endangered (RTE) species was evaluated by utilizing the USFWS Information for Planning and Consultation (IPaC) project planning tool. If any RTE species and habitat are present, additional studies may be required later.

The RTE IPaC Receipt, Official Species List, generated for the project, dated January 16, 2025, documented a total of 2 threatened, endangered, or candidate species on this species list and these species should be considered in an effect analysis for the project.

Species include the proposed endangered, Tricolored Bat (*Perimyotis subflavus*), and the proposed threatened, Monarch Butterfly (*Danaus plexippus*).

A copy of the RTE IPaC Receipt is located in Appendix E.

Sensitive Species Project Review Areas (SSPRAs) within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Living Resources – Sensitive Species Project Review Areas, 2010. The SSPRAs layer shows buffered areas that primarily contain habitat for rare, threatened, and endangered species and rare natural community types. It was originally created over USGS 7.5 minute topographic quadrangle maps and it generally includes, but does not specifically delineate, such regulated areas as Natural Heritage Areas, Wetlands of Special State Concern, Colonial Waterbird Colonies, and Habitat Protection Areas.

A group 2 (contains state listed species) SSPRA is mapped within the project study area.

DNR Natural Heritage Areas (NHAs) within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Living Resources – Natural Heritage Areas, 2010. The NHA digital data layers provide an overview of thirty-two (32) areas designated in the state's Threatened and Endangered Species regulation (COMAR 08.03.08), and these areas consist of the following: (1) one or more threatened or endangered species or wildlife species in need of conservation; (2) a unique blend of geological, hydrological, climatological or biological features; and (3) considered to be among the best statewide examples of its kind. Designation of these NHAs was developed in conjunction with the Critical Area Law. Most of the NHAs fall within the Chesapeake Bay Critical Areas; however, sites outside these Critical Areas are already owned by a public agency.

NHAs are not mapped within the project study area.

Figure 5 (Environmental Features Map – Critical, Focal, and Living Resource Areas, Appendix B) shows the SSPRA and NHA mapping.

3.13 Permanently Preserved Agricultural Lands

Permanently preserved agricultural lands within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Agricultural Designations – Permanently Preserved Agricultural Lands, 2017. This layer illustrates Priority Preservation Areas as adopted by each respective county in the state of Maryland that wishes to gain certification for preservation funding.

Permanently Preserved Agricultural Lands are not mapped within the project study area.

Figure 6 (Environmental Features Map – Protected Lands, Appendix B) shows the permanently preserved agricultural lands mapping.

3.14 DNR Owned Properties and Conservation Easements

DNR owned properties and conservation easements within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Protected Lands – DNR Owned Properties and Conservation Easements, 2017. The DNR manages over 446,000 acres of public lands and protected open space in the state.

The St Mary's River State Park, a DNR owned property managed by Maryland Park Service, is mapped adjacent to the eastern extent of the project study area.

Figure 6 (Environmental Features Map – Protected Lands, Appendix B) shows the DNR owned properties and conservation easements mapping.

3.15 Archived Permanently Preserved Agricultural Lands

Archived permanently preserved agricultural lands within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Archived Agricultural Designations – Archived Permanently Preserved Agricultural Lands, 2017. This layer contains lands that have been forever restricted from development on prime farmland and woodland.

Archived permanently preserved agricultural lands are not mapped within the project study area.

Figure 6 (Environmental Features Map – Protected Lands, Appendix B) shows the archived permanently preserved agricultural lands mapping.

3.16 Agricultural Land Preservation Foundation Easements

Agricultural land preservation foundation easements within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Protected Lands – MD Agricultural Land Preservation Foundation Easements, 2018. The Maryland Agricultural Land Preservation Foundation (MALPF), housed within the Maryland Department of Agriculture (MDA), protects agricultural lands through the use of perpetual easements. This program was created by the Maryland General Assembly in 1977, and is governed by the Agricultural Article, Sections 2-515 through 2-516 of the Annotated Code of Maryland. The Foundation purchases agricultural preservation easements that forever restrict development on prime farmland and woodland.

Agricultural easements are not mapped within the project study area.

Figure 6 (Environmental Features Map – Protected Lands, Appendix B) shows the agricultural easements mapping.

3.17 Agricultural Designations – Priority Preservation Areas

Priority Preservation Areas for Agricultural Designation within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Agricultural Designation – Priority Preservation Areas, 2014. This layer illustrates Priority Preservation Areas for Agricultural Designation as adopted by each respective county in the state of Maryland that wishes to gain certification for preservation funding. This is compiled of GIS data provided directly from each county.

No Priority Preservation Areas for Agricultural Designation are mapped within the project study area. However, 1 Priority Preservation Area was mapped approximately 0.04 miles northwest of the project study area.

Figure 6 (Environmental Features Map – Protected Lands, Appendix B) shows the Priority Preservation Areas for agricultural designation mapping.

3.18 Forest Conservation Act Easements

Forest conservation act easements within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Protected Lands – Forest Conservation Act Easements, 2018. The Forest Conservation Act of 1991 requires units of local government with planning and zoning authority to establish and implement local forest conservation programs and provides for the DNR administration of forest conservation requirements.

Forest conservation act easements are not mapped within the project study area. However, the Mack Property easement is located approximately 0.39 miles southwest of the project study area.

Figure 6 (Environmental Features Map – Protected Lands, Appendix B) shows the forest conservation act easements mapping.

3.19 Local Protected Lands

Local protected lands within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Protected Lands – Local Protected Lands, 2014. This data illustrates parcels subject to some type of preservation easement as well as properties owned by federal, state, and local governments. In addition, properties owned by local land trusts and private conservation organizations, such as The Nature Conservancy, are included. Conservation easements include easements from the MALPF, Rural Legacy, Forest Legacy, Maryland Environmental Trust (MET), county and state purchases of development rights, transfers of development rights, open space from home owners associations, local open space requirements, and private conservation easements.

Local protected lands are not mapped within the project study area. However, the St. Mary's County Community Landfill protected land area is mapped approximately 0.01 miles northeast of the project study area, and the St. Andrews Park protected land area is mapped approximately 0.13 miles northwest of the project study area.

Figure 6 (Environmental Features Map – Protected Lands, Appendix B) shows the local protected lands mapping.

3.20 Rural Legacy Properties

Rural legacy properties within the project study area were evaluated utilizing the MD iMAP hosted service layer Maryland Protected Lands – Rural Legacy Properties, 2018. In 1997, the Maryland General Assembly approved the Rural Legacy Program as a major component of Governor Glendening's Smart Growth and Neighborhood Conservation Initiative. The purpose of the Rural Legacy Program is to protect Maryland's best remaining rural landscapes and natural areas through the purchase of land or conservation easements. Funds are awarded by grants to sponsors to purchase fee simple interests or easements on property within a Rural Legacy Area. This file consists of properties that have been protected using Rural Legacy funds.

Rural Legacy Properties are not mapped within the project study area.

Figure 6 (Environmental Features Map – Protected Lands, Appendix B) shows the Rural Legacy Properties mapping.

3.21 Biodiversity Conservation Network - BioNet

Biodiversity Conservation Network within the project study area was evaluated utilizing the MD iMAP hosted service layer Maryland Biodiversity Conservation Network – BioNet, 2018. The Biodiversity Conservation Network (BioNet) of Maryland layer systematically identifies and prioritizes ecologically important lands to conserve Maryland's biodiversity (i.e., plants, animals, habitats, and landscapes). This dataset aggregates numerous separate data layers hierarchically according to the BioNet Criteria Matrix.

3 BioNet tiers are mapped within the project study area. BioNet tier 2 is extremely significant for biodiversity conservation, BioNet tier 3 is highly significant for biodiversity conservation, and BioNet tier 4 is moderately significant for biodiversity conservation. Approximately 142.79 acres of BioNet tier 2 were mapped within the project study area, approximately 70.59 acres of BioNet tier 3 were mapped within the project study area, and 10.79 acres of BioNet tier 4 were mapped within the project study area.

Figure 7 (Environmental Features Map – Wildlife Resources, Appendix B) shows the Biodiversity Conservation Network mapping.

3.22 Parks and Recreation Facilities

Natural resources within the project study area were evaluated utilizing Maryland Department of Natural Resources – Natural Resources Near You interactive map. The interactive map shows state parks, hunting and fishing locations, water access points and water trails.

No natural resources are mapped within the project study area.

State parks within the project study area were evaluated utilizing Maryland Park Service – State Park Directory.

The project study area is located adjacent to the St. Mary's River State Park Site 2.

National Parks within the project study area were evaluated utilizing National Park Service – Maryland.

National parks are not mapped within the project study area.

3.23 Forest and Gamelands

Forests within the project study area were evaluated utilizing Maryland Department of Natural Resources – Forest Service – Maryland's State Forests.

No state forests are mapped within the project study area.

Gamelands within the project study area were evaluated utilizing Maryland Department of Natural Resources – Wildlife Management Area Maps and Information by Region. St. Mary's County is included in the Southern Region Public Hunting Lands. The southern region includes Anne Arundel, Calvert, Charles, Prince George's, and St. Mary's counties.

No southern region public hunting lands are mapped within the project study area.

3.24 Forest Conservation

Anticipated forest conservation requirements for the project are based on a review of the existing forested area within the project study area. The existing forested area was evaluated utilizing ESRI World Imagery.

A total of approximately 233 acres of forested area was depicted within the project study area.

The existing forested area within the project study area is shown on Figure 8 (Environmental Features Map – Forested Areas, Appendix B).

Between the 4 construction pads, roadways, and infrastructure, there is a total of approximately 79 acres of proposed disturbance within the forested areas of the project study area, which exceeds the 40,000 square feet (approximately 0.9 acres) threshold in the Forest Stand Delineation Decision Matrix of the State Forest Conservation Technical Manual. Based on the current proposed disturbance and desktop review of forest resources within the project study area, a forest stand delineation/natural resources inventory and a forest conservation plan would be required to comply with the requirements of the Maryland Forest Conservation Act (1991) that is found in the Annotated Code of Maryland (Natural Resource Article, Title 5, Subtitle 16) and the Code of Maryland Regulations (COMAR Title 08, Subtitle 19, Forest Conservation).

3.25 Wilderness, Natural, and Wild Areas

Wilderness areas within the project study area were evaluated utilizing the Wilderness Areas of the United States interactive map by Wilderness Connect. Wilderness Connect is a communications, education, and science dissemination program administered through a collaborative partnership between The Wilderness Institutes at the University of Montana, the Arther Carhart National Wilderness Training Center, and the Aldo Leopold Wilderness Research Institute. Wilderness areas are public lands managed by the federal government through the Bureau of Land Management, Fish, and Wildlife Services, Forest Service, and National Park Service.

No wilderness areas of the United States are mapped within the project study area.

National wildlife refuges within the project study area were evaluated utilizing U.S. Fish & Wildlife Service – Our Facilities. The U.S. Fish and Wildlife Service manages an unparalleled network of public lands and waters called the National Wildlife Refuge System. With more than 570 refuges spanning the country, this system protects iconic species and provides wildlife viewing opportunities. Each unit of the Refuge System – whether it is a wildlife refuge, a marine national monument, a conservation area or a waterfowl production area – is established to serve a statutory purpose that targets the conservation of native species dependent on its lands and water. All activities on those acres are reviewed for compatibility with this statutory purpose.

No national wildlife refuges are mapped within the project study area.

State wildlands within the project study area were evaluated utilizing the Maryland Manual On-Line – Maryland at a Glance. Within the Department of Natural

Resources, Land Acquisition and Planning is responsible for the State wildlands preservation system. The system was established in 1971 to preserve the wilderness character of undisturbed areas in Maryland. Some 38 wildlands cover 65,956 acres in State parks, forests, and wildlife management areas. Designated by the General Assembly, wildlands protect watersheds and threatened or endangered species and preserve unique ecological communities (Code Natural Resource Article, sec. 5-1203).

No state wildlands are mapped within the project study area.

Natural areas within the project study area were evaluated utilizing the Department of Natural Resource – Maryland's Natural Areas. The Maryland Natural Areas initiative seeks to identify the best remaining natural areas found within the state. Voluntary recognition as a Natural Area carries a commitment to sustainable management of a given area to conserve the natural features that the area was established to recognize and protect.

No natural areas are mapped within the project study area.

3.26 National Natural Landmarks

National natural landmarks within the project study area were evaluated utilizing National Park Service – National Natural Landmark Directory. There are currently 606 designated National Natural Landmark sites within 48 states, American Samoa, Guam, Puerto Rico, and U.S. Virgin Islands.

No national natural landmarks are mapped within the project study area.

3.27 Hazardous or Residual Waste Sites

Environmental Protection Agency (EPA) program systems within the project study area were evaluated utilizing United States EPA - EnviroMapper. EnviroMapper for Envirofacts is a single point of access for select U.S. EPA environmental data. The Web site provides access to several EPA databases to provide information about environmental activities that may affect air, water, and land anywhere in the United States.

Groundwater discharge permits, natural wood waste permits, and permitted solid waste acceptance facilities within the project study area were evaluated utilizing the Maryland Department of the Environment – Solid Waste Program. Permitted Solid Waste Facilities included documents that list information on permitted solid waste facilities in Maryland including landfills, incinerators, processing, transfer, and natural wood waste facilities.

Hazardous waste information is contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory

system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984. The RCRAInfo Search is used to determine identification and location data for specific hazardous waste handlers, and to find a wide range of information on treatment, storage, and disposal facilities regarding permit/closure status, compliance with Federal and State regulations, and cleanup activities.

Hazardous or residual waste sites are not mapped within the project study area.

3.28 St. Mary's County Comprehensive Zoning Ordinance Article 7

St. Mary's County Comprehensive Zoning Ordinance Article 7. Site Development and Resource Protection Standards, was reviewed as it pertains to the scope of this inventory.

Referenced in 71.8 Habitat Protection Standards of Article 7, the project study area is not located within the Critical Area or the Critical Area 100 foot buffer. The project study area is located within a mapped area identified as Class 1, potential FIDS core area, shown on Figure 5 (Environmental Features Map – Critical, Focal, and Living Resource Areas, Appendix B). The RTE IPaC Receipt, Official Species List, generated for the project included the proposed endangered, Tricolored Bat (*Perimyotis subflavus*), and the proposed threatened, Monarch Butterfly (*Danaus plexippus*). The project is located within a mapped group 2 (contains state listed species) SSPRA, shown on Figure 5 (Environmental Features Map – Critical, Focal, and Living Resource Areas, Appendix B). The project is not within Designated Natural Heritage Areas.

Referenced in 71.7 Steep Slopes and Erodible Soils Resource Protection Standards, the project study area is comprised of the CaC3, ExD2, and EwE2 soil map units, which are considered highly erodible soils in St. Mary's County. The project study area is also comprised of the Bm soil map unit, which is considered a hydric soil map unit. Figure 4 (Environmental Features Map – Physiographic and Soil Features, Appendix B) shows the soil map units and the erodible soil map units (K value greater than 0.35). Steep slopes greater than 15% and less than 25% and slopes 25% or greater are located within the project study area. Erodible soils and steep slopes are depicted in the attached Site Constraints Plan (Appendix C).

St. Mary's County specific wetland and stream buffer requirements include 25 foot wetland buffers and 100 foot stream buffers. These buffers are shown on Figure 3 (Environmental Features Map – Wetlands and Water Related Features, Appendix B).

5.0 CONCLUSIONS

N&W conducted an inventory of existing environmental resources at the St. Mary's County Sports Complex Project through desktop review of secondary source information. The purpose for the inventory of existing environmental resources is to provide guidance for avoidance by proposed construction activities within the project study area.

St. Mary's County Comprehensive Zoning Ordinance Article 7. Site Development and Resource Protection Standards, was also reviewed as it pertains to the scope of this inventory.

The following existing environmental resources were mapped within the project study area:

- 3 watercourses, including 2 unnamed watercourses based on the preliminary field reconnaissance
- The United States Army Corps of Engineers, Atlantic and Gulf Coastal Plain Region
- 11 NWI wetlands
- 19 DNR wetlands
- Coastal Zone and Chesapeake Bay Watershed Area
- Flood Zone AE (1-percent change flood, 100-year flood) and Flood Zone X (area of minimal flood hazard)
- 20 soil map units, including 6 erodible soil map units
- Slopes greater than 15% and less than 25% and slopes 25% or greater
- The Embayed Section of the Western Shore Uplands Region in the Atlantic Coastal Plain Province
- Targeted Ecological Area
- Class 1, Potential FIDS Core Habitat
- Group 2 SSPRA
- BioNet Tier 2, 3, and 4
- Forested Areas

The project study area was found to be located adjacent to or within the vicinity of:

- DNR Owned Properties and Conservation Easements
- Forest Conservation Act Easement
- Local Protected Lands
- St. Mary's River State Park Site 2

The RTE IPaC Receipt, Official Species List, generated for the project included the proposed endangered, Tricolored Bat (*Perimyotis subflavus*), and the proposed threatened, Monarch Butterfly (*Danaus plexippus*). Coordination with the USFWS is required to identify specific project areas or activities that may affect these species.

6.0 LIST OF CONTRIBUTORS

Shanna Mulford

Professional Experience: 9 years

Education: B.S. Environmental Science

Albright College, 2013

M.S. Biology

Shippensburg University, 2016

Responsibility: Field Reconnaissance, Document Preparation

Rebecca Love

Professional Experience: 2 years

Education: B.S. Environmental Biology

Millersville University, 2023

Responsibility: Field Reconnaissance, Document Preparation

Jeffrey Lindaw

Professional Experience: 2 years

Education: B.S. Environmental Science

Southern New Hampshire University, 2023

Responsibility: Document Review, QA/QC

Christina Stouffer

Professional Experience: 7 years

Education: B.S. Geo-Environmental Studies

Shippensburg University, 2018

Responsibility: Document Review, QA/QC

Margaret Schuckman

Professional Experience: 20 years

Education: B.S. Geo-Environmental Studies

Shippensburg University, 2005

Responsibility: Document Review, QA/QC

Kyle Brubaker

Professional Experience: 18 years

Education: B.S. Environmental Studies

Kutztown University, 2007

Responsibility: Document Review, QA/QC

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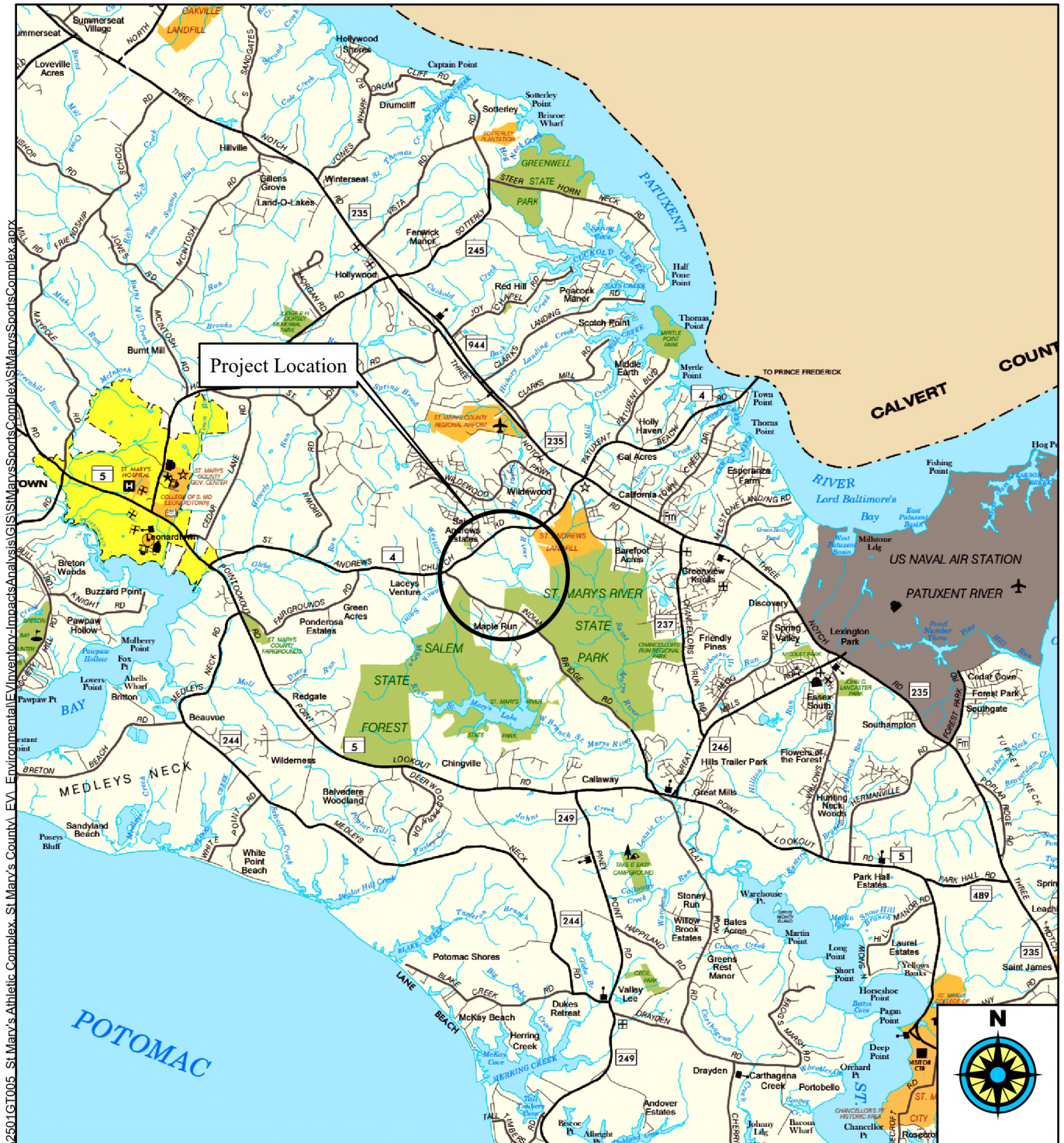
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Appendix A

Location Maps



Regional Location Map
St. Mary's County Sports Complex Project
St. Mary's County, Maryland

Figure:
1

Source: General Highway Map, St. Mary's County, 2024.

Scale:
Not to Scale

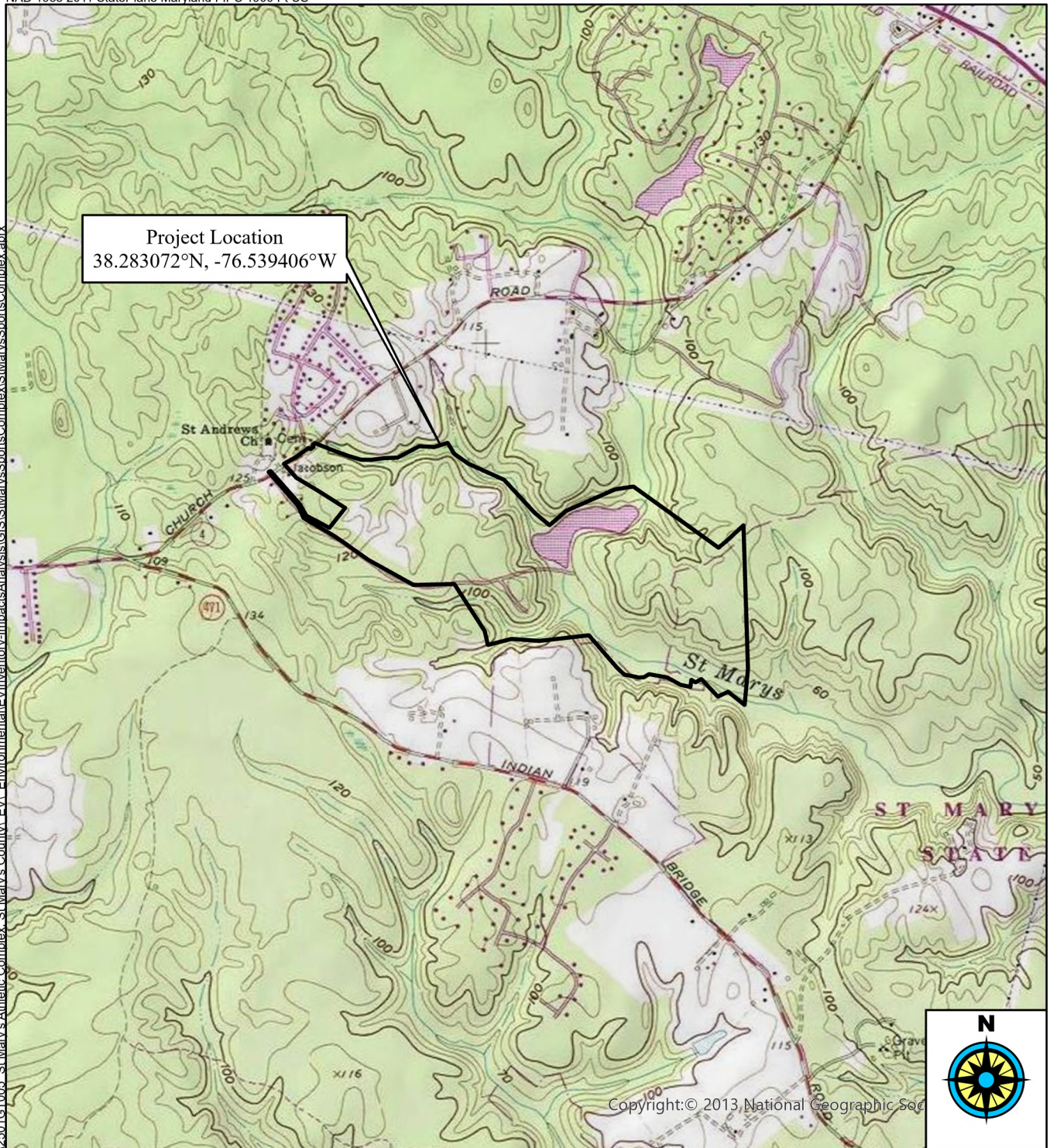


Navarro & Wright Consulting Engineers, Inc.
151 Reno Avenue, New Cumberland, PA 17070
(717) 441-2216 (Telephone) (717) 441-2218(Fax)

Date: 2/27/2025

Drawn by: RDL

Document Path: \\EcomvieDrive\Projects\ 2025\2501GTD05 St Mary's Athletic Complex St Mary's County\ E\ Environmental\Inventory-ImpactsAnalysis\GIS\StMarysSportsComplex\StMarysSportsComplex.aprx



Project Location Map
St. Mary's County Athletic Complex Project
St. Mary's County, Maryland

Figure:
2

Scale:
1:24,000

Source: USA Topo Maps, ESRI Basemap.



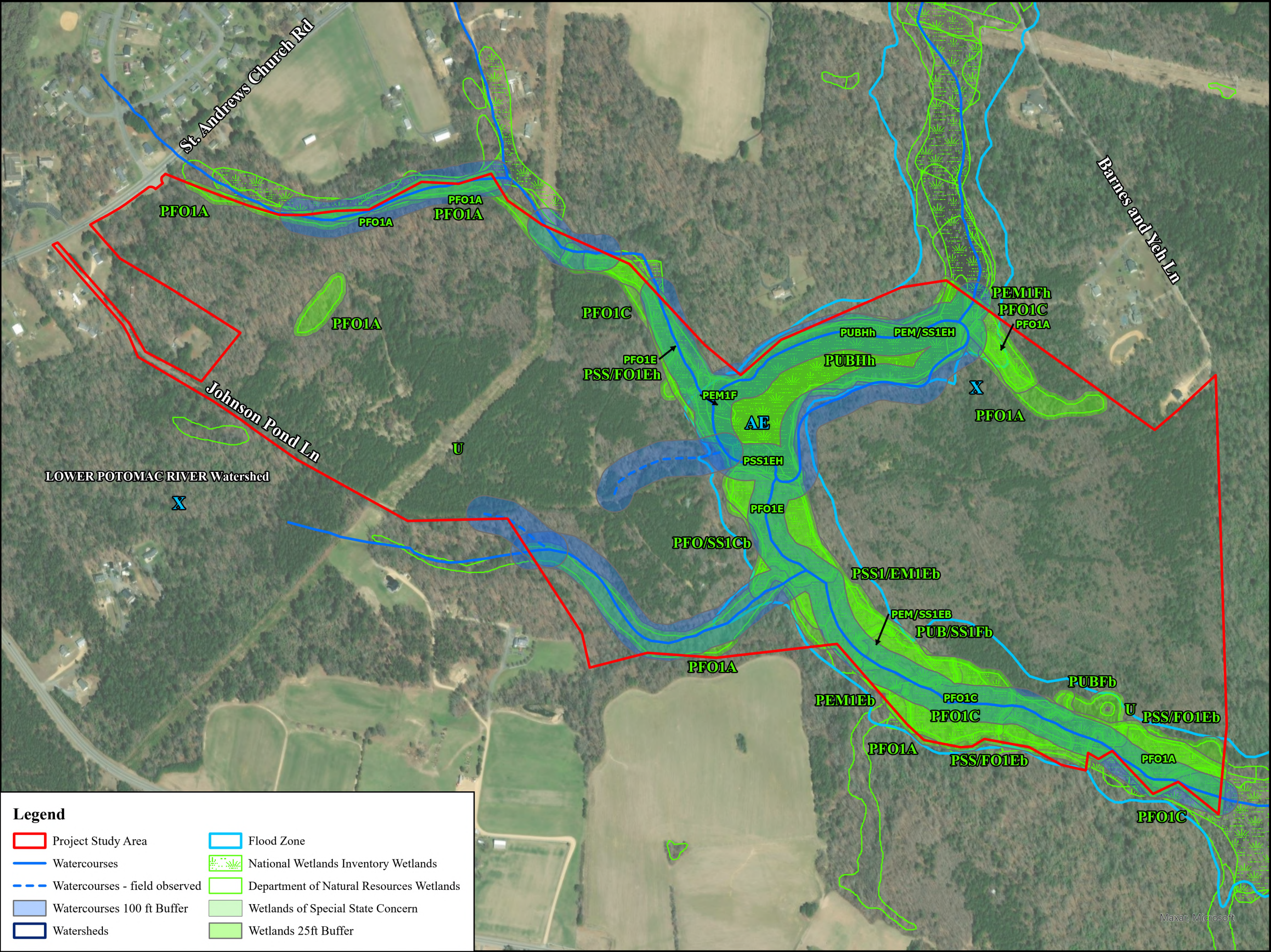
Navarro & Wright Consulting Engineers, Inc.
151 Reno Avenue, New Cumberland, PA 17070
(717) 441-2216 (Telephone) (717) 441-2218 (Fax)

Date: 2/27/2025

Drawn by: SHM

Appendix B

Figures



NAVARRO & WRIGHT
CONSULTING ENGINEERS, INC.

151 Reno Avenue
New Cumberland, PA 17070
(717) 441-2216 (Telephone)
(717) 441-2218 (Fax)

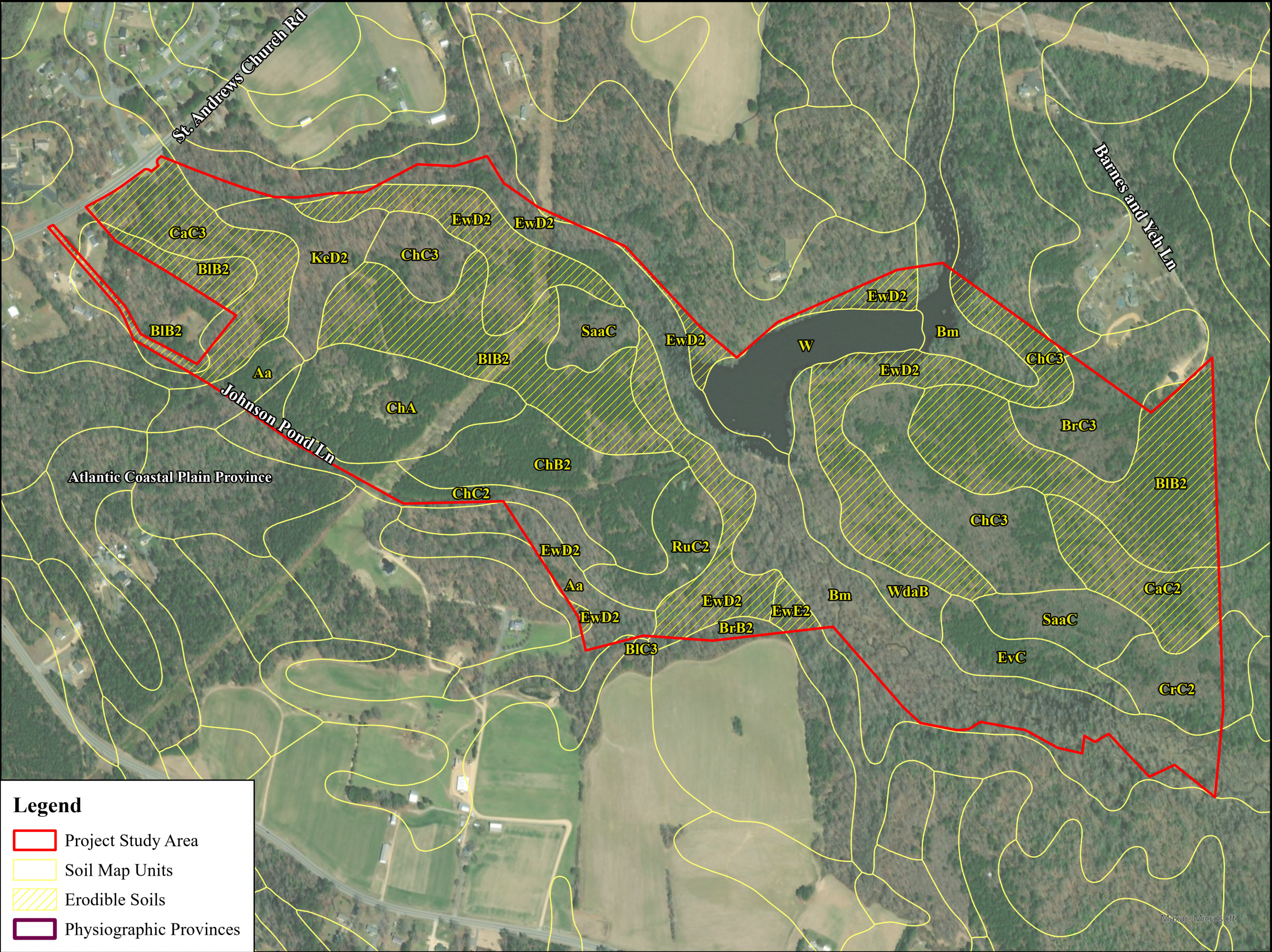
Environmental Features Map
Wetlands and Water Related Features
St. Mary's County Sports Complex Project
St. Mary's County, Maryland

Source: MD iMAP; U.S. Geological Survey; Department of Natural Resources;
Maryland Department of the Environment; U.S. Fish and Wildlife Services 2014;
FEMA, National Flood Hazard Layer (NFHL), Statewide Effective FEMA
Floodplain for MD, Updated August 2017. ESRI World Imagery, Updated January 2025.

Figure:
3

Scale: 1:6,000

Date: 2/27/2025



Legend

- Project Study Area
- Soil Map Units
- Erodible Soils
- Physiographic Provinces



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(717) 441-2216 (Telephone)
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Environmental Features Map
Physiographic and Soil Features
St. Mary's County Sports Complex Project
St. Mary's County, Maryland

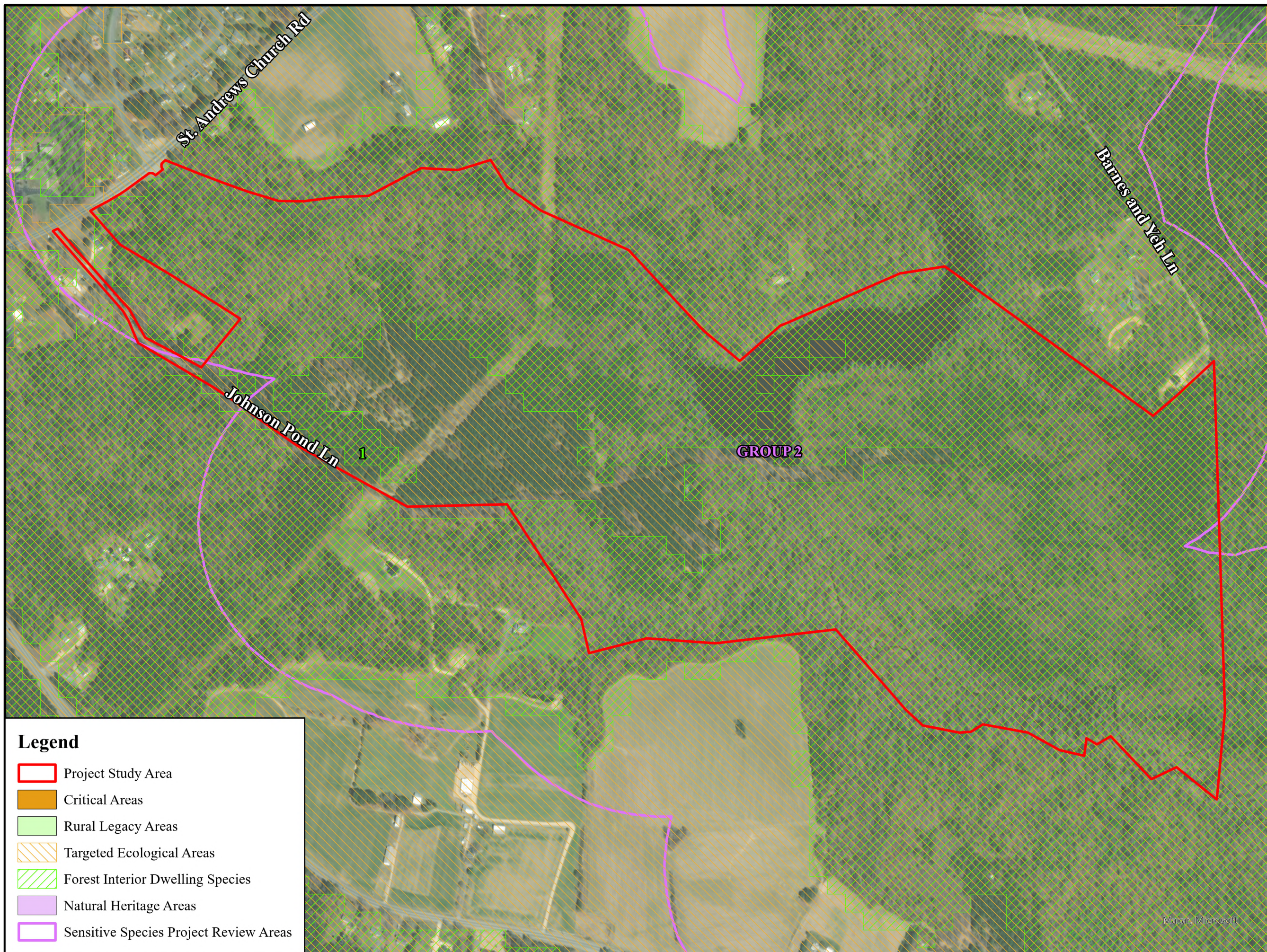
Source: Maryland Geological Survey, MD iMAP, USDA, NRCS SSURGO Soils

Figure:
4

Scale: 1:6,000

Date: 2/27/2025





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New Cumberland, PA 17070
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(717) 441-2218 (Fax)

Environmental Features Map

Critical, Focal, and Living Resource Areas
St. Mary's County Sports Complex Project
St. Mary's County, Maryland

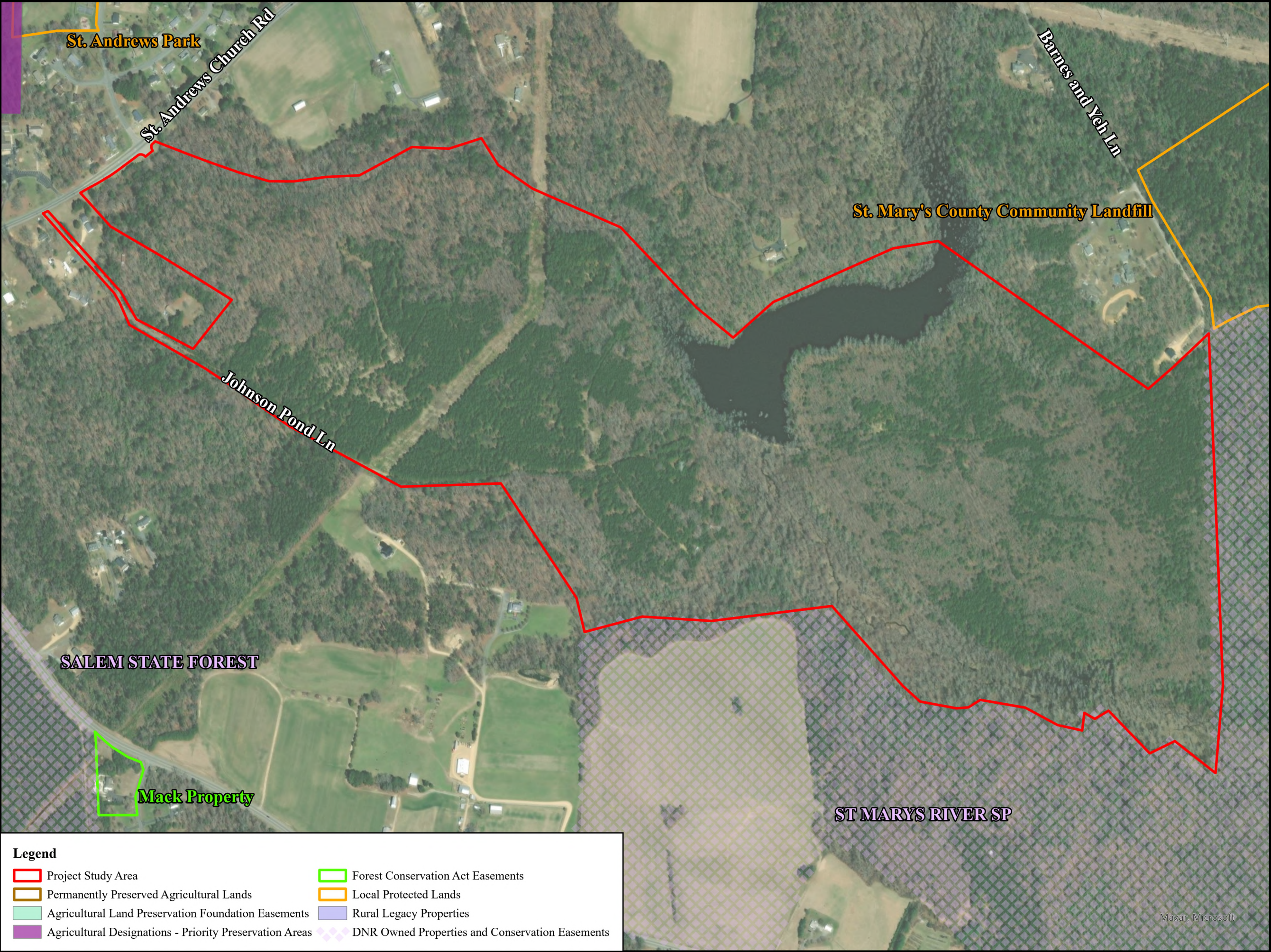
Source: MD iMAP, Department of Natural Resources, Maryland Department of Planning, Chesapeake Bay Critical Area Commission, Individual Rural Legacy Application Sponsors, CGIS

Figure:
5

Scale: 1:6,000

Date: 2/27/2025





151 Reno Avenue
New Cumberland, PA 17070
(717) 441-2216 (Telephone)
(717) 441-2218 (Fax)

Environmental Features Map

Protected Lands
St. Mary's County Sports Complex Project
St. Mary's County, Maryland

Source: MD iMAP, Maryland Department of Planning, Department of Natural Resources, MD Agricultural Land Preservation Foundation, Local Government Entities

Figure:
6

Scale: 1:6,000

Date: 2/27/2025







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CONSULTING ENGINEERS, INC.

151 Reno Avenue
New Cumberland, PA 17070
(717) 441-2216 (Telephone)
(717) 441-2218 (Fax)

Environmental Features Map
Wildlife Resources
St. Mary's County Sports Complex Project
St. Mary's County, Maryland

Source: MD iMAP, Maryland Biodiversity Conservation Network - BioNet, 2018.

Figure:
7

Scale: 1:6,000

Date: 2/27/2025





151 Reno Avenue
New Cumberland, PA 17070
(717) 441-2216 (Telephone)
(717) 441-2218 (Fax)

Environmental Features Map

Forested Areas
St. Mary's County Sports Complex Project
St. Mary's County, Maryland

Source: ESRI World Imagery, Updated January 2025.

**Figure:
8**

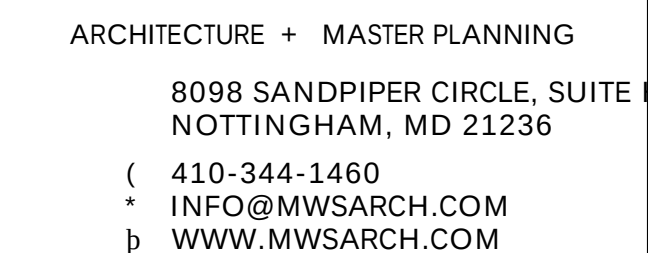
Scale: 1:6,000

Date: 2/27/2025



Appendix C

Preliminary Site Plans, Program, and Site Constraints Plan



CONSULTANTS:

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME, AND THAT I AM A DULY LICENSED
PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF
MARYLAND.
LICENSE NUMBER: #15505
EXPIRATION DATE: 8-18-2026

USING AGENCY APPROVAL

Name	Date
------	------

Title	

Project Manager	Date
-----------------	------

Chief Architect of PM&D	Date
-------------------------	------

REVISIONS

MARK	DATE	DESCRIPTION
------	------	-------------

CAD DWG FILE:

DRAWN BY: ACR

CHK'D BY: KHM

PROJECT No.: 24021

DATE:	12/10/2024
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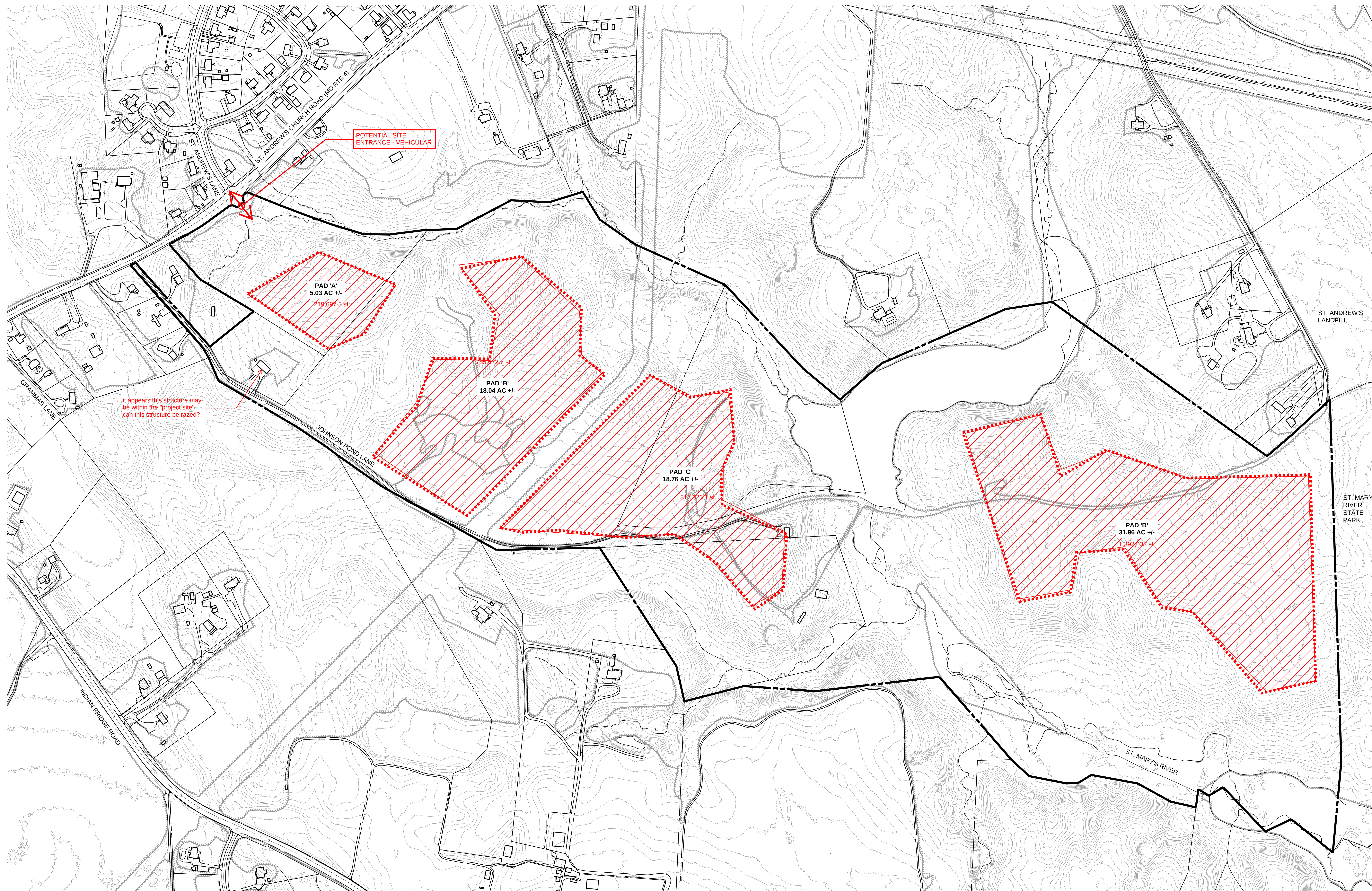
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BASE MAP

BUILDING NUMBER:

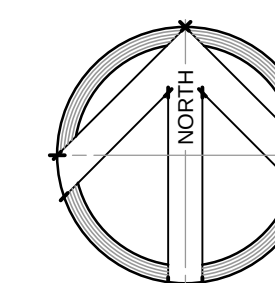
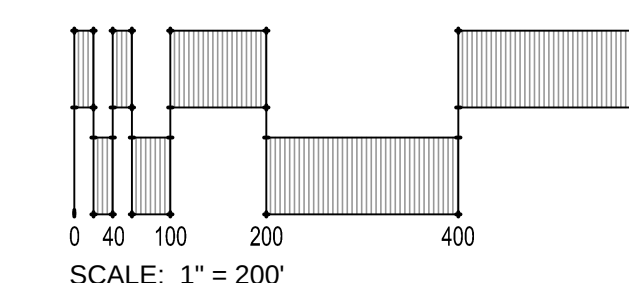
SHEET NUMBER:

SHEET _____ OF _____



NOTE:

BASE INFORMATION WAS TAKEN FROM ST. MARY'S
COUNTY, MARYLAND GIS LAYERS DOWNLOADED
ON 9/25/2024.



PRELIMINARY - NOT FOR CONSTRUCTION



PROJECT NUMBER: 24-066

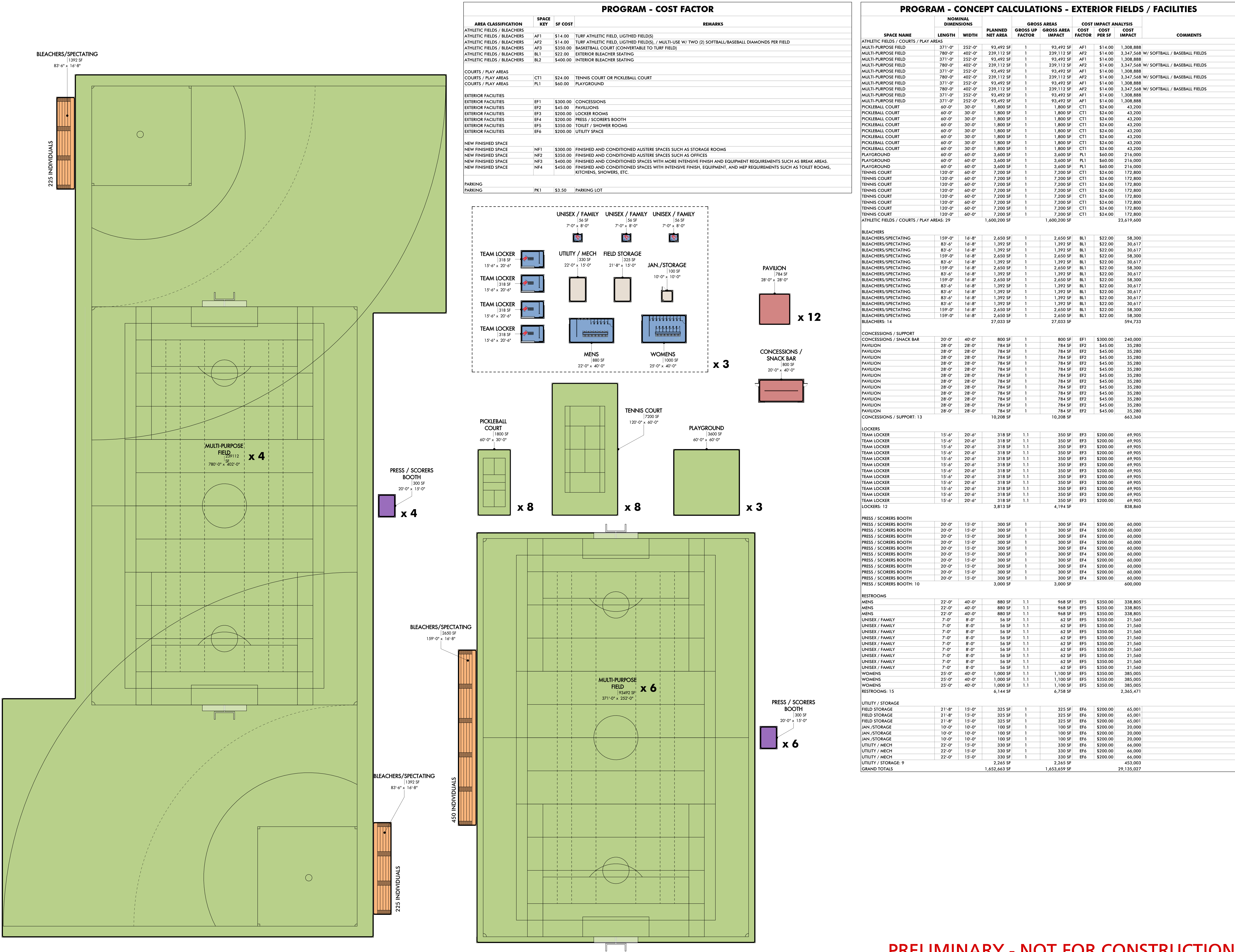
SUBMISSION:
VISUAL PROGRAM
SCHEDULES
ORIGINAL ISSUE DATE:
12/08/2024

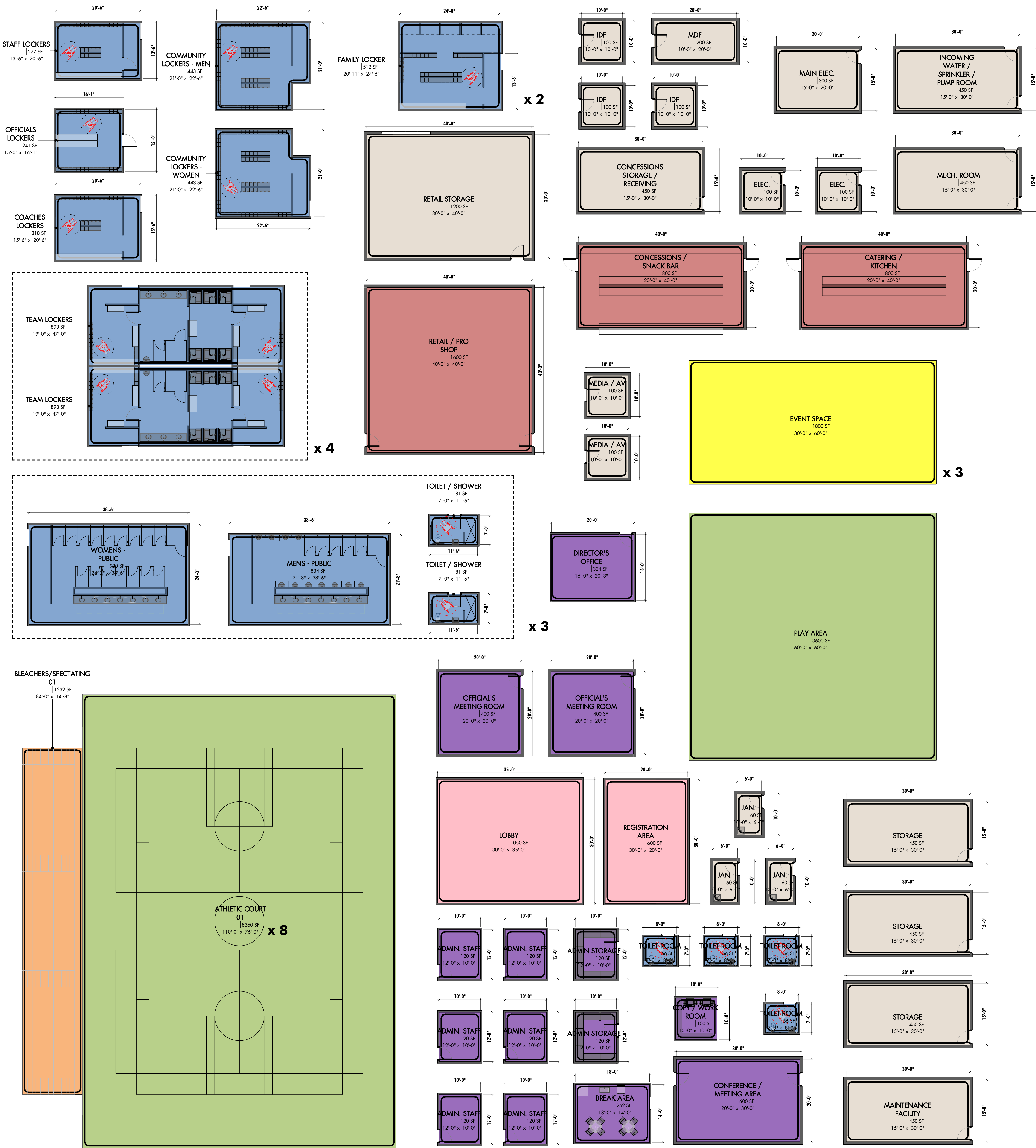
SHEET REVISION SCHEDULE:

No.	DATE
-----	------

SHEET NUMBER:

PGM1A





PROGRAM - COST FACTOR				
AREA CLASSIFICATION	SPACE KEY	SF COST	REMARKS	
ATHLETIC FIELDS / BLEACHERS				
ATHLETIC FIELDS / BLEACHERS	AF1	\$14.00	TURF ATHLETIC FIELD, LIGHTED FIELD(S)	
ATHLETIC FIELDS / BLEACHERS	AF2	\$14.00	TURF ATHLETIC FIELD, LIGHTED FIELD(S), / MULTI-USE W/ TWO (2) SOFTBALL/BASEBALL DIAMONDS PER FIELD	
ATHLETIC FIELDS / BLEACHERS	AF3	\$350.00	BASKETBALL COURT (CONVERTABLE TO TURF FIELD)	
ATHLETIC FIELDS / BLEACHERS	BL1	\$22.00	EXTERIOR BLEACHER SEATING	
ATHLETIC FIELDS / BLEACHERS	BL2	\$400.00	INTERIOR BLEACHER SEATING	
COURTS / PLAY AREAS				
COURTS / PLAY AREAS	CT1	\$24.00	TENNIS COURT OR PICKLEBALL COURT	
COURTS / PLAY AREAS	PL1	\$60.00	PLAYGROUND	
EXTERIOR FACILITIES				
EXTERIOR FACILITIES	EF1	\$300.00	CONCESSIONS	
EXTERIOR FACILITIES	EF2	\$45.00	PAVILIONS	
EXTERIOR FACILITIES	EF3	\$200.00	LOCKER ROOMS	
EXTERIOR FACILITIES	EF4	\$200.00	PRESS / SCORER'S BOOTH	
EXTERIOR FACILITIES	EF5	\$350.00	TOILET / SHOWER ROOMS	
EXTERIOR FACILITIES	EF6	\$200.00	UTILITY SPACE	
NEW FINISHED SPACE				
NEW FINISHED SPACE	NF1	\$300.00	FINISHED AND CONDITIONED AUSTERE SPACES SUCH AS STORAGE ROOMS	
NEW FINISHED SPACE	NF2	\$350.00	FINISHED AND CONDITIONED AUSTERE SPACES SUCH AS OFFICES	
NEW FINISHED SPACE	NF3	\$400.00	FINISHED AND CONDITIONED SPACES WITH MORE INTENSIVE FINISH AND EQUIPMENT REQUIREMENTS SUCH AS BREAK AREAS.	
NEW FINISHED SPACE	NF4	\$450.00	FINISHED AND CONDITIONED SPACES WITH INTENSIVE FINISH, EQUIPMENT, AND MEP REQUIREMENTS SUCH AS TOILET ROOMS, KITCHENS, SHOWERS, ETC.	
PARKING				
PARKING	PK1	\$3.50	PARKING LOT	

PROGRAM - CONCEPT CALCULATIONS - INTERIOR FIELDS / FACILITIES									
SPACE NAME	NOMINAL DIMENSIONS		PLANNED NET AREA	GROSS UP FACTOR	GROSS AREA IMPACT	COST IMPACT ANALYSIS			COMMENTS
	LENGTH	WIDTH				COST FACTOR	COST PER SF	COST IMPACT	
ADMIN & SUPPORT									
ADMIN STORAGE	12'-0"	10'-0"	120 SF	1.35	162 SF	NF1	\$300.00	48,600	
ADMIN STORAGE	12'-0"	10'-0"	120 SF	1.35	162 SF	NF1	\$300.00	48,600	
ADMIN. STAFF	12'-0"	10'-0"	120 SF	1.35	162 SF	NF2	\$350.00	56,700	
ADMIN. STAFF	12'-0"	10'-0"	120 SF	1.35	162 SF	NF2	\$350.00	56,700	
ADMIN. STAFF	12'-0"	10'-0"	120 SF	1.35	162 SF	NF2	\$350.00	56,700	
ADMIN. STAFF	12'-0"	10'-0"	120 SF	1.35	162 SF	NF2	\$350.00	56,700	
ADMIN. STAFF	12'-0"	10'-0"	120 SF	1.35	162 SF	NF2	\$350.00	56,700	
ADMIN. STAFF	12'-0"	10'-0"	120 SF	1.35	162 SF	NF2	\$350.00	56,700	
BREAK AREA	18'-0"	14'-0"	252 SF	1.35	340 SF	NF3	\$400.00	136,080	
CONFERENCE / MEETING AREA	20'-0"	30'-0"	600 SF	1.35	810 SF	NF2	\$350.00	283,500	
CONFERENCE / MEETING AREA	20'-0"	30'-0"	600 SF	1.35	810 SF	NF2	\$350.00	283,500	
CONFERENCE / MEETING AREA	20'-0"	30'-0"	600 SF	1.35	810 SF	NF2	\$350.00	283,500	
CONFERENCE / MEETING AREA	20'-0"	30'-0"	600 SF	1.35	810 SF	NF2	\$350.00	283,500	
COPY / WORK ROOM	10'-0"	10'-0"	100 SF	1.35	135 SF	NF2	\$350.00	47,250	
DIRECTOR'S OFFICE	16'-0"	20'-3"	324 SF	1.35	437 SF	NF2	\$350.00	153,090	
LOBBY	30'-0"	35'-0"	1,050 SF	1.35	1,418 SF	NF2	\$350.00	496,125	
OFFICIAL'S MEETING ROOM	20'-0"	20'-0"	400 SF	1.35	540 SF	NF2	\$350.00	189,000	
OFFICIAL'S MEETING ROOM	20'-0"	20'-0"	400 SF	1.35	540 SF	NF2	\$350.00	189,000	
REGISTRATION AREA	30'-0"	20'-0"	600 SF	1.35	810 SF	NF2	\$350.00	283,500	
ADMIN & SUPPORT: 19			6,486 SF		8,756 SF			3,065,445	
ATHLETIC FIELDS									
ATHLETIC COURT 01	110'-0"	76'-0"	8,360 SF	1.1	9,196 SF	AF3	\$350.00	3,218,600	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
ATHLETIC COURT 02	110'-0"	76'-0"	8,360 SF	1.1	9,196 SF	AF3	\$350.00	3,218,600	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
ATHLETIC COURT 03	110'-0"	76'-0"	8,360 SF	1.1	9,196 SF	AF3	\$350.00	3,218,600	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
ATHLETIC COURT 04	110'-0"	76'-0"	8,360 SF	1.1	9,196 SF	AF3	\$350.00	3,218,600	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
ATHLETIC COURT 05	110'-0"	76'-0"	8,360 SF	1.1	9,196 SF	AF3	\$350.00	3,218,600	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
ATHLETIC COURT 06	110'-0"	76'-0"	8,360 SF	1.1	9,196 SF	AF3	\$350.00	3,218,600	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
ATHLETIC COURT 07	110'-0"	76'-0"	8,360 SF	1.1	9,196 SF	AF3	\$350.00	3,218,600	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
ATHLETIC COURT 08	110'-0"	76'-0"	8,360 SF	1.1	9,196 SF	AF3	\$350.00	3,218,600	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
EVENT SPACE	30'-0"	60'-0"	1,800 SF	1.35	2,430 SF	AF3	\$350.00	850,500	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
EVENT SPACE	30'-0"	60'-0"	1,800 SF	1.35	2,430 SF	AF3	\$350.00	850,500	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
EVENT SPACE	30'-0"	60'-0"	1,800 SF	1.35	2,430 SF	AF3	\$350.00	850,500	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
PLAY AREA	60'-0"	60'-0"	3,600 SF	1.35	4,860 SF	AF3	\$350.00	1,701,000	BASKETBALL COURTS (CONVERTIBLE TO TURF FIELDS)
ATHLETIC FIELDS: 12			75,880 SF		85,718 SF			30,001,300	
BLEACHERS									
BLEACHERS/SPECTATING 01	84'-0"	14'-8"	1,232 SF	1	1,232 SF	BL2	\$400.00	492,800	
BLEACHERS/SPECTATING 02	84'-0"	14'-8"	1,232 SF	1	1,232 SF	BL2	\$400.00	492,800	
BLEACHERS/SPECTATING 03	84'-0"	14'-8"	1,232 SF	1	1,232 SF	BL2	\$400.00	492,800	
BLEACHERS/SPECTATING 04	84'-0"	14'-8"	1,232 SF	1	1,232 SF	BL2	\$400.00	492,800	
BLEACHERS/SPECTATING 05	84'-0"	14'-8"	1,232 SF	1	1,232 SF	BL2	\$400.00	492,800	
BLEACHERS/SPECTATING 06	84'-0"	14'-8"	1,232 SF	1	1,232 SF	BL2	\$400.00	492,800	
BLEACHERS/SPECTATING 07	84'-0"	14'-8"	1,232 SF	1	1,232 SF	BL2	\$400.00	492,800	
BLEACHERS/SPECTATING 08	84'-0"	14'-8"	1,232 SF	1	1,232 SF	BL2	\$400.00	492,800	
BLEACHERS: 8			9,856 SF		9,856 SF			3,942,400	
CONCESSIONS / SUPPORT									
CATERING / KITCHEN	20'-0"	40'-0"	800 SF	1.35	1,080 SF	NF3	\$400.00	432,000	
CONCESSIONS / SNACK BAR	20'-0"	40'-0"	800 SF	1.35	1,080 SF	NF3	\$400.00	432,000	
CONCESSIONS STORAGE / RECEIVING	15'-0"	30'-0"	450 SF	1.35	608 SF	NF1	\$300.00	182,250	
RETAIL / PRO SHOP	40'-0"	40'-0"	1,600 SF	1.35	2,160 SF	NF2	\$350.00	756,000	
CONCESSIONS / SUPPORT: 4			3,650 SF		4,928 SF			1,802,250	
LOCKERS									
COACHES LOCKERS	15'-6"	20'-6"	318 SF	1.35	429 SF	NF2	\$350.00	150,137	
COMMUNITY LOCKERS - MEN	21'-0"	22'-6"	443 SF	1.35	599 SF	NF2	\$350.00	209,519	
COMMUNITY LOCKERS - WOMEN	21'-0"	22'-6"	443 SF	1.35	599 SF	NF2	\$350.00	209,519	
FAMILY LOCKER	20'-11"	24'-6"	512 SF	1.35	692 SF	NF2	\$350.00	242,137	
FAMILY LOCKER	20'-11"	24'-6"	512 SF	1.35	692 SF	NF2	\$350.00	242,137	
OFFICIALS LOCKERS	15'-0"	16'-1"	241 SF	1.35	326 SF	NF2	\$350.00	113,991	
STAFF LOCKERS	13'-6"	20'-6"	277 SF	1.35	374 SF	NF2	\$350.00	130,764	
TEAM LOCKERS	19'-0"	47'-0"	893 SF	1.35	1,206 SF	NF2	\$350.00	421,943	
TEAM LOCKERS	19'-0"	47'-0"	893 SF	1.35	1,206 SF	NF2	\$350.00	421,943	
TEAM LOCKERS	19'-0"	47'-0"	893 SF	1.35	1,206 SF	NF2	\$350.00	421,943	
TEAM LOCKERS	19'-0"	47'-0"	893 SF	1.35	1,206 SF	NF2	\$350.00	421,943	
TEAM LOCKERS	19'-0"	47'-0"	893 SF	1.35	1,206 SF	NF2	\$350.00	421,943	
TEAM LOCKERS	19'-0"	47'-0"	893 SF	1.35	1,206 SF	NF2	\$350.00	421,943	
TEAM LOCKERS	19'-0"	47'-0"	893 SF	1.35	1,206 SF	NF2	\$350.00	421,943	
LOCKERS: 15			9,892 SF		13,354 SF			4,673,744	
RESTROOMS									
MEN	21'-8"	38'-6"	834 SF	1.35	1,126 SF	NF4	\$450.00	506,764	
MEN	21'-8"	38'-6"	834 SF	1.35	1,126 SF	NF4	\$450.00	506,764	
MEN - PUBLIC	21'-8"	38'-6"	834 SF	1.35	1,126 SF	NF4	\$450.00	506,764	
TOILET / SHOWER	7'-0"	11'-6"	81 SF	1.35	109 SF	NF4	\$450.00	48,904	
TOILET / SHOWER	7'-0"	11'-6"	81 SF	1.35	109 SF	NF4	\$450.00	48,904	
TOILET / SHOWER	7'-0"	11'-6"	81 SF	1.35	109 SF	NF4	\$450.00	48,904	
TOILET / SHOWER	7'-0"	11'-6"	81 SF	1.35	109 SF	NF4	\$450.00	48,904	
TOILET / SHOWER	7'-0"	11'-6"	81 SF	1.35	109 SF	NF4	\$450.00	48,904	
TOILET / SHOWER	7'-0"	11'-6"	81 SF	1.35	109 SF	NF4	\$450.00	48,904	
TOILET ROOM	7'-0"	8'-0"	56 SF	1.35	76 SF	NF4	\$450.00	34,020	
TOILET ROOM	7'-0"	8'-0"	56 SF	1.35	76 SF	NF4	\$450.00	34,020	
TOILET ROOM	7'-0"	8'-0"	56 SF	1.35	76 SF	NF4	\$450.00	34,020	
TOILET ROOM	7'-0"	8'-0"	56 SF	1.35	76 SF	NF4	\$450.00	34,020	
WOMEN	24'-2"	38'-6"	930 SF	1.35	1,256 SF	NF4	\$450.00	565,236	
WOMEN	24'-2"	38'-6"	930 SF	1.35	1,256 SF	NF4	\$450.00	565,236	
WOMEN - PUBLIC	24'-2"	38'-6"	930 SF	1.35	1,256 SF	NF4	\$450.00	565,236	
RESTROOMS: 16			6,001 SF		8,101 SF			3,645,502	
SUPPORT									
ELEC.	10'-0"	10'-0"	100 SF	1.35	135 SF	NF1	\$300.00	40,500	
ELEC.	10'-0"	10'-0"	100 SF	1.35	135 SF	NF1	\$300.00	40,500	
IDF	10'-0"	10'-0"	100 SF	1.35	135 SF	NF1	\$300.00	40,500	
IDF	10'-0"	10'-0"	100 SF	1.35	135 SF	NF1	\$300.00	40,500	
IDF	10'-0"	10'-0"	100 SF	1.35	135 SF	NF1	\$300.00	40,500	
INCOMING WATER / SPRINKLER / PUMP ROOM	15'-0"	30'-0"	450 SF	1.35	608 SF	NF1	\$300.00	182,250	
JAN.	10'-0"	6'-0"	60 SF	1.35	81 SF	NF1	\$300.00	24,300	
JAN.	10'-0"	6'-0"	60 SF	1.35	81 SF	NF1	\$300.00	24,300	
JAN.	10'-0"	6'-0"	60 SF	1.35	81 SF	NF1	\$300.00	24,300	
MAIN ELEC.	15'-0"	20'-0"	300 SF	1.35	405 SF	NF1	\$300.00	121,500	
MAINTENANCE FACILITY	15'-0"	30'-0"	450 SF	1.35	608 SF	NF1	\$300.00	182,250	
MECH. ROOM	15'-0"	30'-0"	450 SF	1.35	608 SF	NF1	\$300.00	182,250	
MEDIA / AV	10'-0"	10'-0"	100 SF	1.35	135 SF	NF1	\$300.00	40,500	
MEDIA / AV	10'-0"	10'-0"	100 SF	1.35	135 SF	NF1	\$300.00	40,500	
RETAIL STORAGE	30'-0"	40'-0"	1,200 SF	1.35	1,620 SF	NF1	\$300.00	486,000	
STORAGE	15'-0"	30'-0"	450 SF	1.35	608 SF	NF1	\$300.00	182,250	
STORAGE	15'-0"	30'-0"	450 SF	1.35	608 SF	NF1	\$300.00	182,250	
STORAGE	15'-0"	30'-0"	450 SF	1.35	608 SF	NF1	\$300.00	182,250	
SUPPORT: 19			5,280 SF		7,128 SF			2,138,400	
GRAND TOTALS			117,044 SF		137,840 SF			49,269,041	

PRELIMINARY - NOT FOR CONSTRUCTION

CONSULTANT:

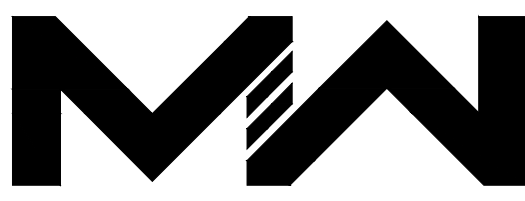
SEAL:

ST. MARY'S COUNTY SPORTS COMPLEX
FEASIBILITY / PROGRAM STUDY

PROJECT NUMBER: 24-066

SUBMISSION:
VISUAL PROGRAM
SCHEDULES
ORIGINAL ISSUE DATE:
12/08/2024

SHEET REVISION SCHEDULE:
No. DATE



ARCHITECTURE + MASTER PLANNING
8098 SANDPIPER CIRCLE, SUITE H
NOTTINGHAM, MD 21236
(410-344-1460
• INFO@MWSARCH.COM
p WWW.MWSARCH.COM

CONSULTANTS:

SEAL:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME, AND THAT I AM A DULY LICENSED
PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF
MARYLAND.
LICENSE NUMBER: #15605
EXPIRATION DATE: 9-18-2026

USING AGENCY APPROVAL

Name Date

Title

Project Manager Date

Chief Architect of PM&D Date

REVISIONS

MARK DATE DESCRIPTION

CAD DWG FILE:

DRAWN BY: ACR

CHK'D BY: KHM

PROJECT No.: 24021

DATE: 01/15/2025

DRAWING TITLE:

SITE
CONSTRAINTS
PLAN

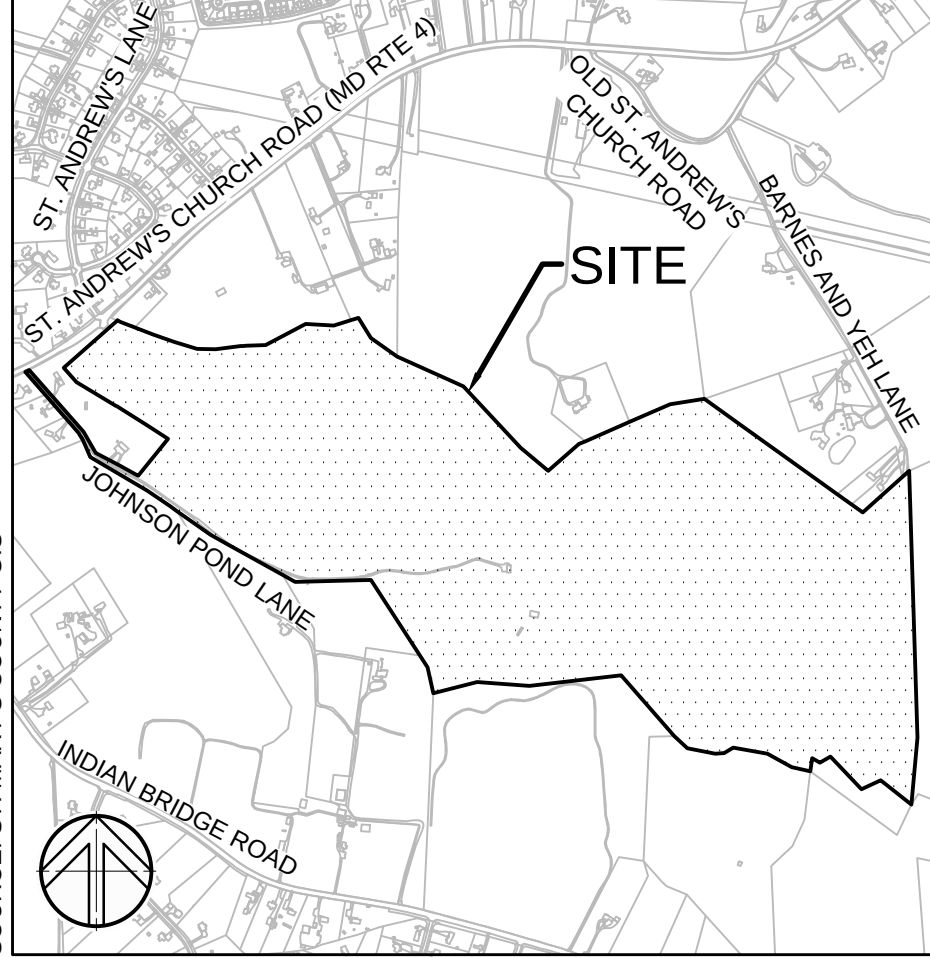
BUILDING NUMBER:

SHEET NUMBER:

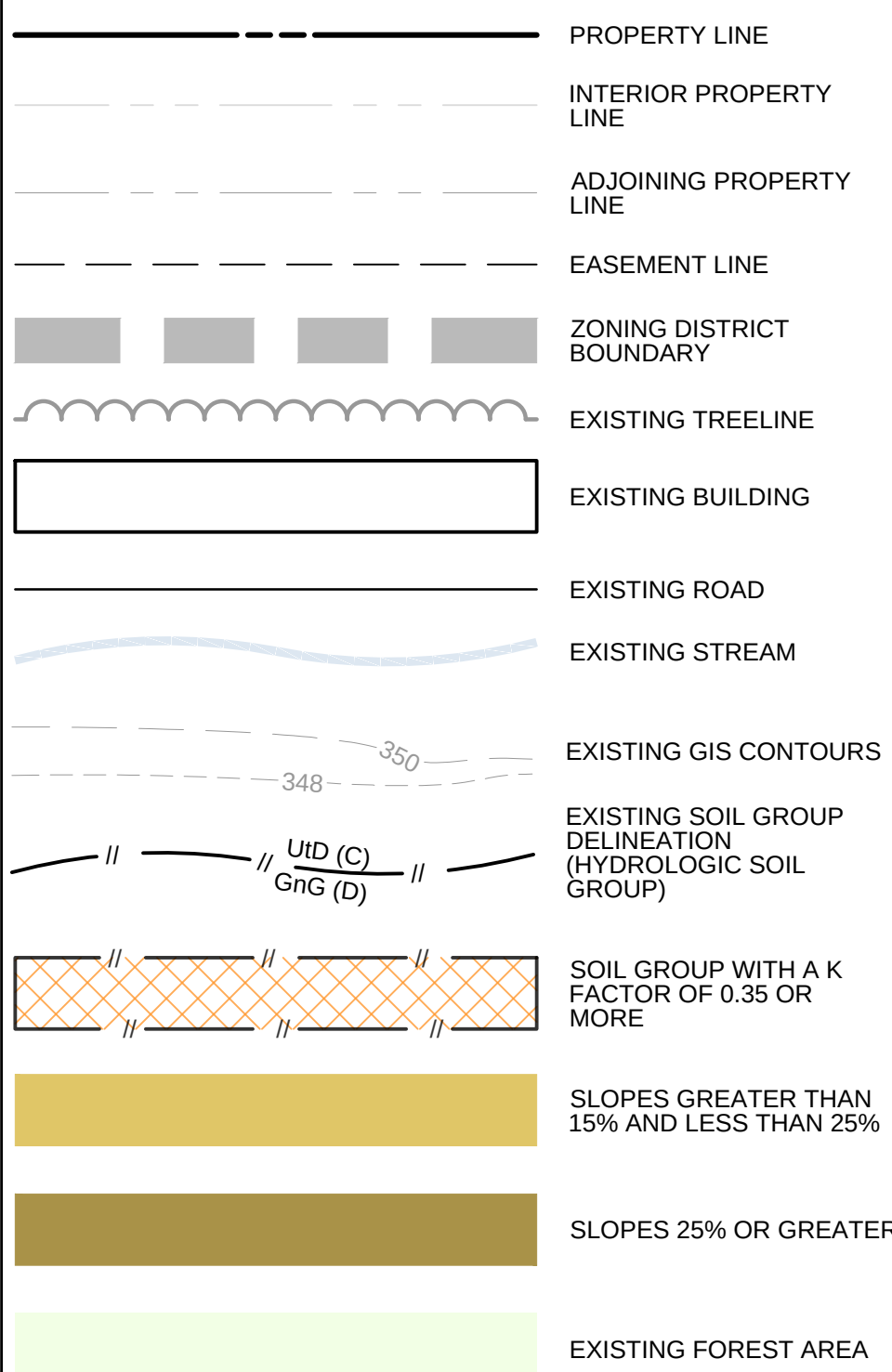
SHEET ____ OF ____

VICINITY MAP

1"=200'



LEGEND



SOILS TABLE

MAP UNIT SYMBOL	MAP UNIT NAME	HYDRO. SOIL GROUP	"K" VALUE
**Aa	ALLUVIAL LAND	B	0.37
**BIB2	BELTSVILLE SILT LOAM, 2 TO 5% SLOPES	C	0.37
Bm	BIBB SILT LOAM	B/D	0.32
BrC3	BOURNE FINE SANDY LOAM, 5 TO 10% SLOPES	C	0.28
**CaC2	CAROLINE SILT LOAM, 5 TO 10% SLOPES	C	0.49
**CaC3	CAROLINE SILT LOAM, 5 TO 10% SLOPES	C	0.49
ChA	CHILLUM LOAM, 0 TO 2% SLOPES	C	0.32
ChB2	CHILLUM LOAM, 2 TO 5% SLOPES	C	0.32
ChC2	CHILLUM LOAM, 5 TO 10% SLOPES	C	0.32
ChC3	CHILLUM LOAM, 5 TO 10% SLOPES	C	0.32
CrC2	CROOM GRAVELLY SANDY LOAM, 5 TO 10% SLOPES	C	0.17
EVC	EVESBORO LOAMY SAND, 8 TO 15% SLOPES	A	0.15
EwD2	EVESBORO- WESTPHALIA COMPLEX, 12 TO 20% SLOPES	B	0.15
**EwE2	EVESBORO- WESTPHALIA COMPLEX, 20 TO 45% SLOPES	B	0.15
**KeC2	KEMPSVILLE FINE SANDY LOAM, 5 TO 10% SLOPES	C	0.28
RuC2	RUMFORD LOAMY SAND, 5 TO 10% SLOPES	A	0.10
SaaC	SASSAFRAS SANDY LOAM, 5 TO 10% SLOPES	B	0.20
WdaB	WOODSTOWN SANDY LOAM, 2 TO 5% SLOPES	C	0.24

** SOILS WITH AN ERODIBILITY INDEX (K) VALUE OF GREATER THAN 0.35 OR MORE. (ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE)

GENERAL NOTES:

1. OWNER: COMMISSIONERS OF ST. MARY'S COUNTY

2. SITE DATA:

PARCEL	PREMISE ADDRESS	ACRES (+/-)	PLAT	LOT
128	22401 JOHNSON POND LANE	20.6	-	
196	22402 JOHNSON POND LANE	20.63	20 48	1
24	22405 JOHNSON POND LANE	212.94	-	
101	44093 SAINT ANDREWS CHURCH RD	12.55	-	
TOTAL SITE AREA		267		

NOTE: SITE ACREAGE AND DATA IS TAKEN FROM SDAT REAL PROPERTY DATA SEARCH INFORMATION DOWNLOADED ON 1/10/2025.

3. ZONE: RL (RESIDENTIAL, LOW-DENSITY DISTRICT)

4. BASE INFORMATION WAS TAKEN FROM THE FOLLOWING SOURCES:

- TOPOGRAPHIC, BOUNDARY AND PARCEL LINE INFORMATION WAS TAKEN FROM ST. MARY'S COUNTY, MARYLAND GIS INFORMATION DOWNLOADED ON 9/25/2024.
- PROPOSED 70' R/W AND R/W EASEMENT FOR SOUTHERN MARYLAND ELECTRIC COOP WAS TAKEN FROM EXHIBIT PROVIDED IN CERTIFICATE OF TITLE DATED 12/29/2014.
- SOILS INFORMATION WAS TAKEN FROM "WEB SOIL SURVEY" PROVIDED BY NATURAL RESOURCES CONSERVATION SERVICE. SOILS INFORMATION WAS DOWNLOADED ON 1/8/2025.
- ZONE INFORMATION FOR ST. MARY'S COUNTY REGIONAL AIRPORT WAS TAKEN FROM MERLIN ONLINE "MD MAPPING SYSTEM"

5. SITE PLAN DOES NOT REPRESENT A SURVEY. NO SURVEY OR CERTIFICATION IS EXPRESSED OR IMPLIED.

AIRPORT (AE) ENVIRONS ZONE NOTES:

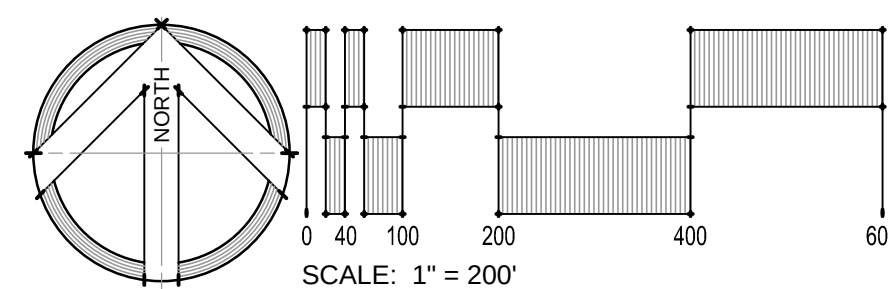
- THE HORIZONTAL SURFACE IS A HORIZONTAL PLANE 150 FEET ABOVE THE ESTABLISHED AIRPORT ELEVATION. (FEDERAL AVIATION REGULATION (FAR) PART 77)
- THE CONICAL SURFACE IS A SURFACE WHICH EXTENDS UPWARD AND OUTWARD FROM THE OUTER LIMITS OF THE HORIZONTAL SURFACE FOR A HORIZONTAL DISTANCE OF 4,000 FEET. THE SLOPE OF THE CONICAL SURFACE IS 20 TO 1 (5 PERCENT) MEASURED IN A VERTICAL PLANE. (FEDERAL AVIATION REGULATION (FAR) PART 77)
- ANY APPLICATION FOR SUBDIVISION APPROVAL, SITE PLAN APPROVAL, CONDITIONAL USE APPROVAL, OR VARIANCE WITHIN THE AE OVERLAY SHALL BE REFERRED TO THE DIRECTOR OF THE DEPARTMENT RESPONSIBLE FOR THE AIRPORT MASTER PLAN FOR COMMENT ON THE POTENTIAL IMPACT OF THE PROPOSAL ON AVIATION AND/OR AIRPORT OPERATIONS OR PROPOSED EXPANSIONS PRIOR TO THE ISSUANCE OF ANY APPROVAL OR BUILDING PERMIT WITHIN THE AE OVERLAY. (ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE ARTICLE 4.43.4.1.b OVERLAY AND FLOATING ZONES)
- ZONING APPROVAL FOR DEVELOPMENT REQUIRED TO FILE A "NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION" WITHIN THE FEDERAL AVIATION ADMINISTRATION, (FAA) AS SET FORTH BELOW, SHALL BE CONDITIONED UPON EVIDENCE OF FILING OF A NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION WITH THE FAA, A NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION SHALL BE COMPLETED BY THE APPLICANT AND SUBMITTED TO THE DIRECTION OF THE DEPARTMENT RESPONSIBLE FOR THE AIRPORT MASTER PLAN AND TO THE FAA FOR REVIEW AND APPROVALS FOR:

(A) ANY CONSTRUCTION EXCEEDING 100 FEET IN HEIGHT ABLE GROUND LEVEL AT SITE.

(B) 100 FEET HORIZONTAL TO 1 FOOT VERTICAL FOR HORIZONTAL DISTANCE OF 10,000 FEET FROM THE A NEAREST RUNWAY (END OR SIDE) OF AN AIRPORT WITH AT LEAST ONE RUNWAY MORE THAN 3,200 FEET IN LENGTH, EXCLUDING HELIPORTS.

(ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE ARTICLE 4.43.4.2 OVERLAY AND FLOATING ZONES)

PRELIMINARY - NOT FOR CONSTRUCTION



Appendix D

Photograph Location Map and Photographs

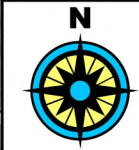
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Project Study Area

Photograph Locations

Legend



MD iM

NAVVARO & WRIGHT CONSULTING ENGINEERS, INC.	
Photograph Location Map St. Mary's County Sports Complex Project St. Mary's County, Maryland	
Source: MD iMap Six Inch Imagery 2020-2022.	
Scale: 1 inch = 500 feet	
Drawn by: SHM	
Date: 2/27/2025	
Figure: 9	
Navarro & Wright Consulting Engineers, Inc. 151 Reno Avenue, New Cumberland, PA 17070 (717) 441-2216 (Telephone) (717) 441-2218 (Fax)	



Photograph Number 1: Facing north at the western bank of St. Mary's River within the center extent of the PSA.



Photograph Number 2: Facing northeast at St. Mary's River within the center extent of the PSA.



Photograph Number 3: Facing east St. Mary's River within the center extent of the PSA.



Photograph Number 4: Facing southeast St. Mary's River within the center extent of the PSA.



Photograph Number 5: Facing southwest St. Mary's River floodplain within the center extent of the PSA.



Photograph Number 6: Facing north (upstream) St. Mary's River within the center extent of the PSA.



Photograph Number 7: Facing south (downstream) St. Mary's River within the center extent of the PSA.



Photograph Number 8: Facing northwest St. Mary's River within the center extent of the PSA.



Photograph Number 9: Facing southwest St. Mary's River within the center extent of the PSA.



Photograph Number 10: Facing northeast at unnamed road between John Pond Lane and Barnes and Yeh Lane, east of St. Mary's River.



Photograph Number 11: Facing north (upstream) at an unnamed tributary to St. Mary's River within the center extent of the PSA.



Photograph Number 12: Facing southeast (downstream) at an unnamed tributary to St. Mary's River within the center extent of the PSA.



Photograph Number 13: Facing northeast at an unnamed tributary to St. Mary's River within the center extent of the PSA.



Photograph Number 14: Facing northeast at Johnson Pond Lane towards the center extent of the PSA.



Photograph Number 15: Facing southeast at an unnamed road south of Johnson Pond Lane within the center extent of the PSA.



Photograph Number 16: Facing northeast at an open utility box south of Johnson Pond Lane within the center extent of the PSA.



Photograph Number 17: Facing southeast at a closed Verizon utility box south of Johnson Pond Lane within the center extent of the PSA.



Photograph Number 18: Facing west (upstream) at an unnamed tributary to St. Mary's River, south of Johnson Pond Lane.



Photograph Number 19: Facing southeast (downstream) at an unnamed tributary to St. Mary's River, south of Johnson Pond Lane.



Photograph Number 20: Facing south at a pile of metal debris an unnamed tributary to St. Mary's River, south of Johnson Pond Lane.



Photograph Number 21: Facing northeast at an overhead utility crossing Johnson Pond Lane within the western extent of the PSA.



Photograph Number 22: Facing southwest at an overhead utility crossing Johnson Pond Lane within the western extent of the PSA.



Photograph Number 23: Facing northeast at a DNR mapped wetland system area.



Photograph Number 24: Facing northwest at a DNR mapped wetland system area.



Photograph Number 25: Facing southwest at a DNR mapped wetland system area.



Photograph Number 26: Facing southeast at a DNR mapped wetland system area.



Photograph Number 27: Facing southeast towards Johnson Pond Lane just inside of gated entrance.



Photograph Number 28: Facing northwest towards Johnson Pond Lane just outside of gated entrance.

Appendix E

RTE IPaC Receipt



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
Phone: (410) 573-4599 Fax: (410) 266-9127



In Reply Refer To:

01/16/2025 19:14:41 UTC

Project Code: 2025-0043488

Project Name: St. Mary's County Athletic Complex

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Chesapeake Bay Ecological Services Field Office

177 Admiral Cochrane Drive

Annapolis, MD 21401-7307

(410) 573-4599

PROJECT SUMMARY

Project Code: 2025-0043488

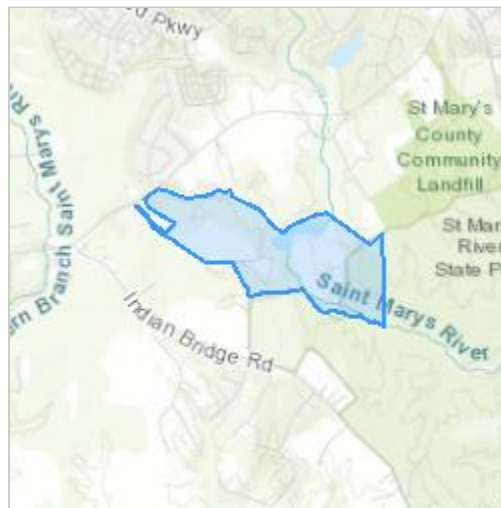
Project Name: St. Mary's County Athletic Complex

Project Type: Recreation - New Construction

Project Description: The St. Mary's County Athletic Complex is a Preliminary Design Services project for the development of a sports complex located at 22405 Johnson Pond Lane, California, Maryland, 20619.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@38.2831994,-76.5373654351451,14z>



Counties: St. Mary's County, Maryland

ENDANGERED SPECIES ACT SPECIES

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

FRESHWATER FORESTED/SHRUB WETLAND

- PSS1/EM1Eb
- PFO1C

- PSS1/FO1Eb
- PFO1A
- PSS1/FO1Eh
- PFO1/SS1Cb

FRESHWATER POND

- PUBHh
- PUBFb
- PUB/SS1Fb

FRESHWATER EMERGENT WETLAND

- PEM1Fh
- PEM1Eb

RIVERINE

- R5UBH
- R4SBC

IPAC USER CONTACT INFORMATION

Agency: Navarro & Wright Consulting Engineers, Inc.

Name: Shanna Mulford

Address: 151 Reno Avenue

City: New Cumberland

State: PA

Zip: 17070

Email: smulford@navarrowright.com

Phone: 7174412216