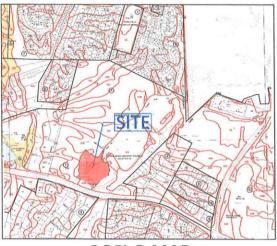
# GEORGE MASON UNIVERSITY MULTIPURPOSE BALLPARK

PROJECT CODE 231828 FAIRFAX, VIRGINIA







VICINITY MAP

SOILS MAP

UNIT	TWW IL	KINCIOK	CB-33 NO 125
39B	Glenelg silt loam 2-7% slope	0.37	This Piedmont soil occurs extensively on hilltops and sideslopes underlain by micaceous schist and phyllite. Silts and clays overlie silty and sandy decomposed rock. Depth to hard bedrock ranges between 5 and 100 feet below the surface. Permeability is generally adequate for all purposes. Foundation support for small buildings (i.e., 3 stories or less) is typically suitable. Because of a high mica content, the soil tends to "fluff" up when disturbed and is difficult to compact requiring engineering designs for use as structural fill. This soil is suitable for septic drainfields and infiltration trenches. Glenelg is highly susceptible to erosion.
39C	Glenelg silt loam 7-15% slope	0.37	This Piedmont soil occurs extensively on hilltops and sideslopes underlain by micaceous schist and phyllite. Silts and clays overlie silty and sandy decomposed rock. Depth to hard bedrock ranges between 5 and 100 feet below the surface. Permeability is generally adequate for all purposes. Foundation support for small buildings (i.e., 3 stories or less) is typically suitable. Because of a high mica content, the soil tends to "fluff" up when disturbed and is difficult to compact requiring engineering designs for use as structural fill. This soil is suitable for septic drainfields and infiltration trenches. Glenelg is highly susceptible to erosion.
49B	Hatboro silt loam 2-7% slope	0.37	Soils consist of loamy alluvium eroded from schist, granite and gneiss. This soil occurs within floodplains of the Piedmont and Coastal Plain and is subject to flooding. The seasonal high water table is between 0 and 1½ feet below the surface. Depth to hard bedrock ranges between 8 and 20 feet below the surface. Foundation support may be poor because of soft soils, seasonal saturation and flooding. Basements below existing grade are not recommended because of potential severe wetness problems. Suitability for septic drainfields and infiltration trenches is poor because of the high water table and flooding potential. Hatboro is predominantly hydric and may contain non tidal wetlands.
93B	Sumerduck loam 2-7% slope	0.32	This soil consists of silty and clayey alluvium eroded from micaceous bedrock. It occurs along drainageways of the Piedmont. The seasonal high 42 water table is between 2 and 3½ feet below the surface. Depth to bedrock is greater than 6 feet. Foundation support is marginal because of the high water table. Foundation drains and waterproofing are needed to ensure dry basements. Grading and subsurface drainage may be needed to eliminate wet yards. Septic drainfields are poorly suited because of the high water table and slow permeability and infiltration trenches are marginally suited because of the high water table.
102	Wheaton loam	0.32	This loamy soil consists of sand, silt and clay weathered from granite bedrock that has been mixed, graded and compacted during development and construction. Characteristics of the soil can be quite variable depending on what materials were mixed in during construction. The subsoil is generally loam, but can range from sandy loam to clay loam. The soil has been compacted, resulting in high strength and slow permeability. The soil is well drained and the depth to bedrock is greater than 5 feet. In nearly all cases, foundation support is good assuming that the soil is well compacted and contains few clays. Because of the slow permeability, suitability for septic

drainfields is poor and suitability for infiltration trenches is marginal. 44 Grading and subsurface drains may be needed to eliminate wet

yards caused by the slow permeability. This soil is found in developed areas of the Piedmont with micaceous schist and phyllite bedrock.

This complex is a mixture of the development-disturbed Wheaton soil and the natural Sumerduck soil. The complex occurs near floodplain:

in the areas of the Piedmont with micaceous schist and phyllite bedrock that have been developed, but retain a good portion of

undisturbed soil. Wheaton soil will be clustered around foundations, streets, sidewalks, playing fields and other graded areas. Sumerduck soil will be found along undisturbed areas within the border of the floodplain. For a description of the two soils that make up this map unit, please see (102) Wheaton and (93) Sumerduck.

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C-03	SITE NOTES AND LEGEND
C-04 - C-04A	SITE DETAILS
C-05 - C-06	EXISTING CONDITIONS
C-07 - C-08	DEMOLITION PLAN
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C-10 - C-11	SITE AND GRADING PLAN
C-12 - C-13A	UTILITY PROFILES
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	EROSION AND SEDIMENT CONTROL PLAN PHASE IA
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	EXISTING CONDITIONS SWM MAP
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	SWM DETAILS - DETENTION POND
C-34B	WATER QUALITY IMPACT ASSESSMENT LANDSCAPE PLAN
C-35	LANDSCAPE PLAN
C-36	LANDSCAPE DETAILS AND SPECIFICATIONS





APPROVED
Land Disturbance Permit

DATE: 02/02/2024 PERMIT #: LD-24-0202 REVIEWED: Z.Xu; B. Claudio APPROVED: Zhongyan Xu



VIKA VIRGINIA, LLC 8180 Greensboro Dr., Suite 20 Tysons, VA 22102 703 442 7800 Lyika com

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PLAN STATUS	DATE
1st. Submission	12/01/2023
2nd, Submission	01/02/2024
3rd Submission	01/17/2024
4th. Submission	01/30/2024
POST-APPROVAL	
SHEET STATUS	DATE
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KILE N. ODDINKE - LIC. NO. 57246 - 01/30/2024

Cyle O'Connor P

GEORGE MASON
UNIVERSITY
MULTIPURPOSE BALLPARK

FAIRFAX COUNTY, VIRGINIA

COVER SHEET

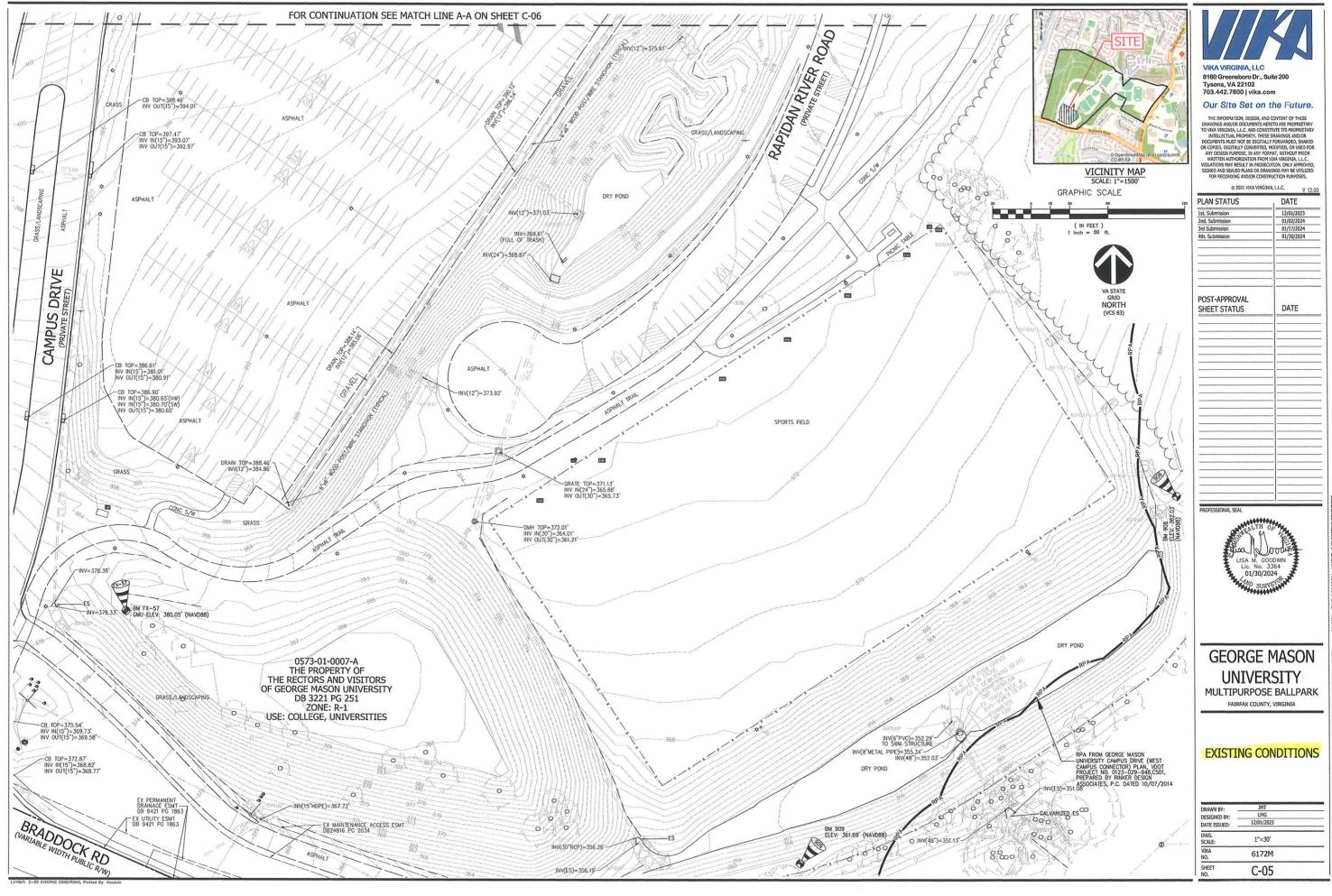
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DESIGNED BY:	KMO	
DATE ISSUED: _	12/01/2023	
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VIKA NO.	6172M	
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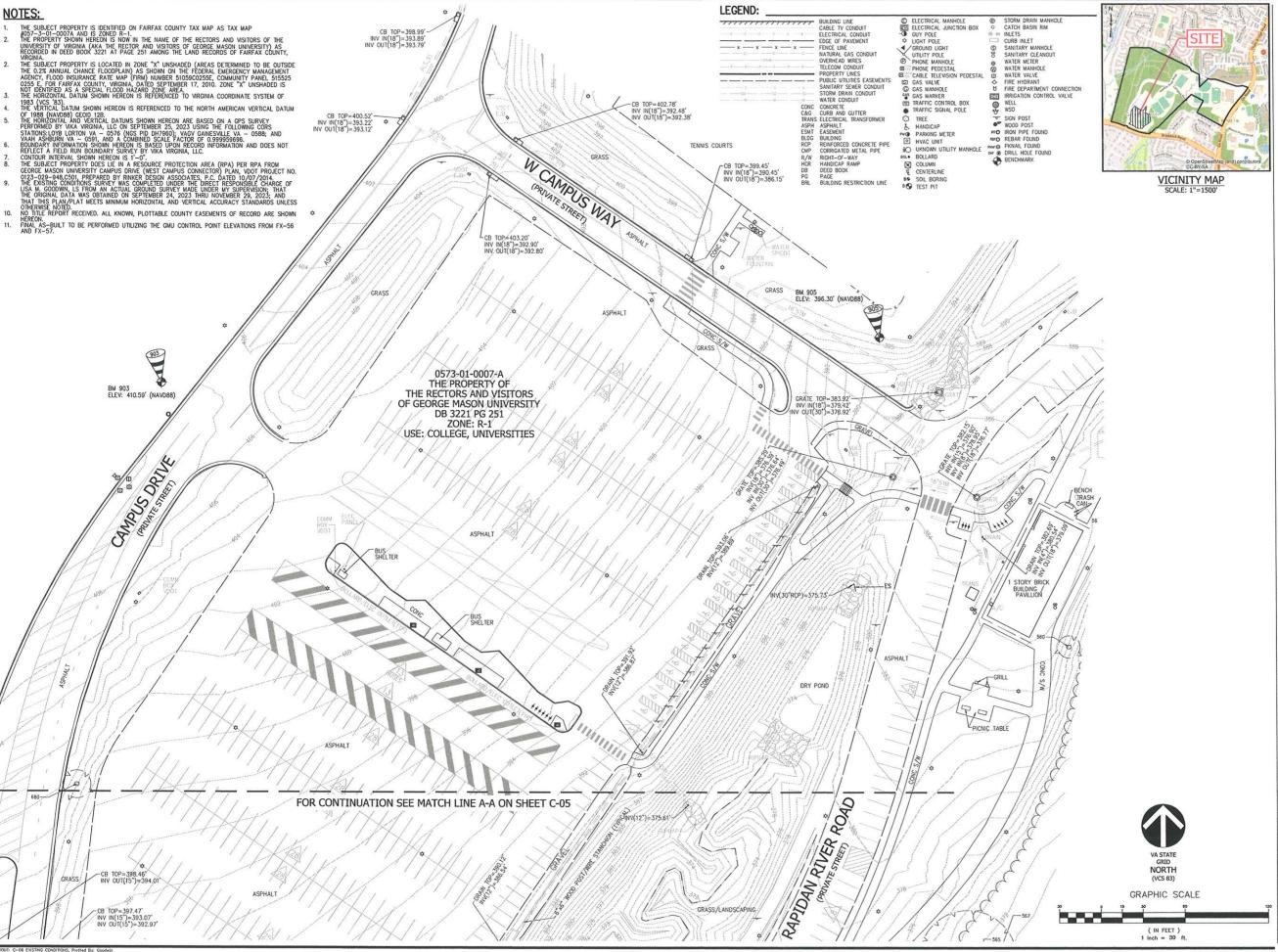
Wheaton-Sumerduck

2-7% slope

MAPPING



DRAWN BY:	JMT	
DESIGNED BY: _	LMG	
DATE ISSUED: _	12/01/2023	
DWG. SCALE:	1"=30'	
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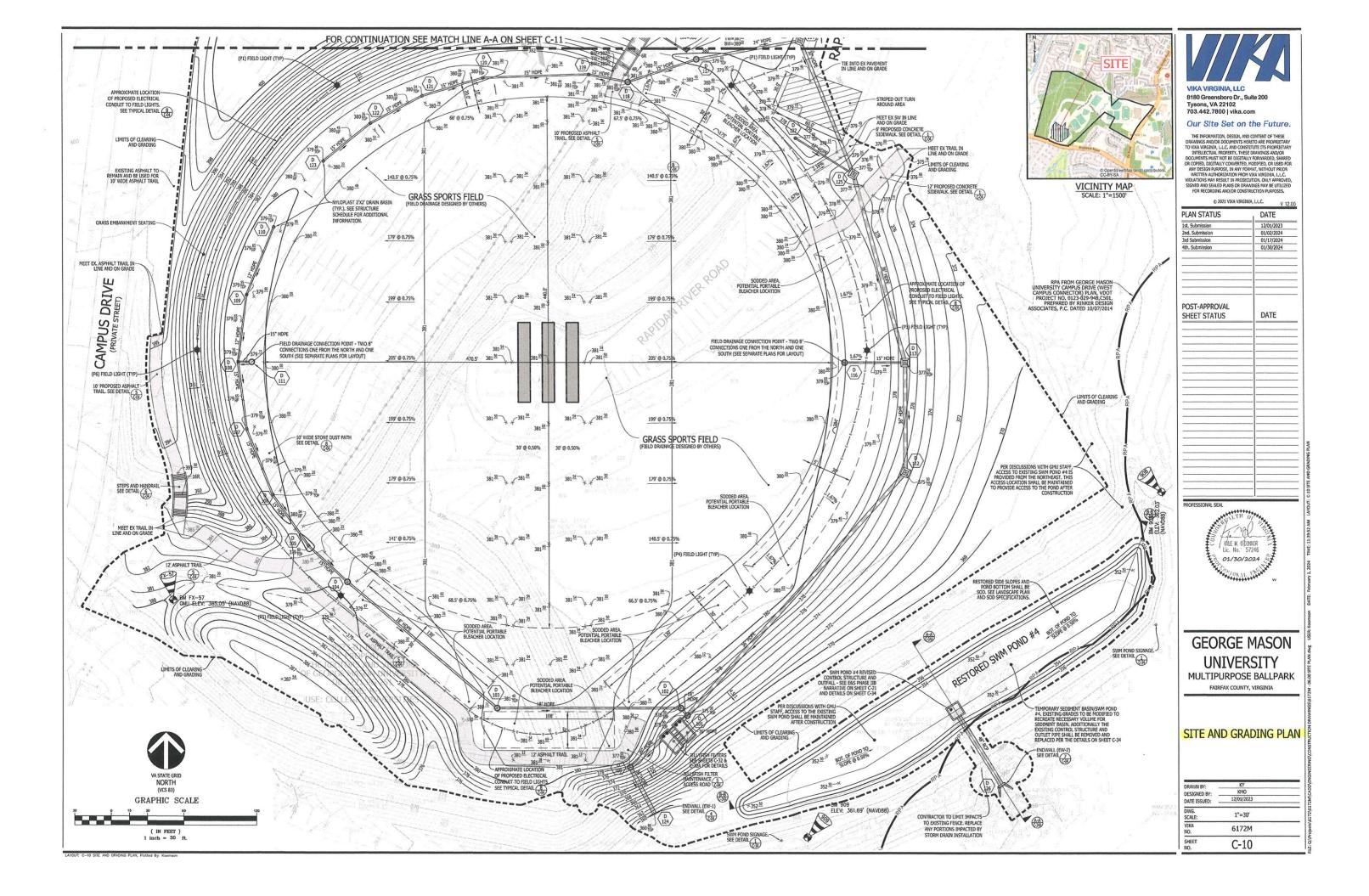
## **GEORGE MASON** UNIVERSITY

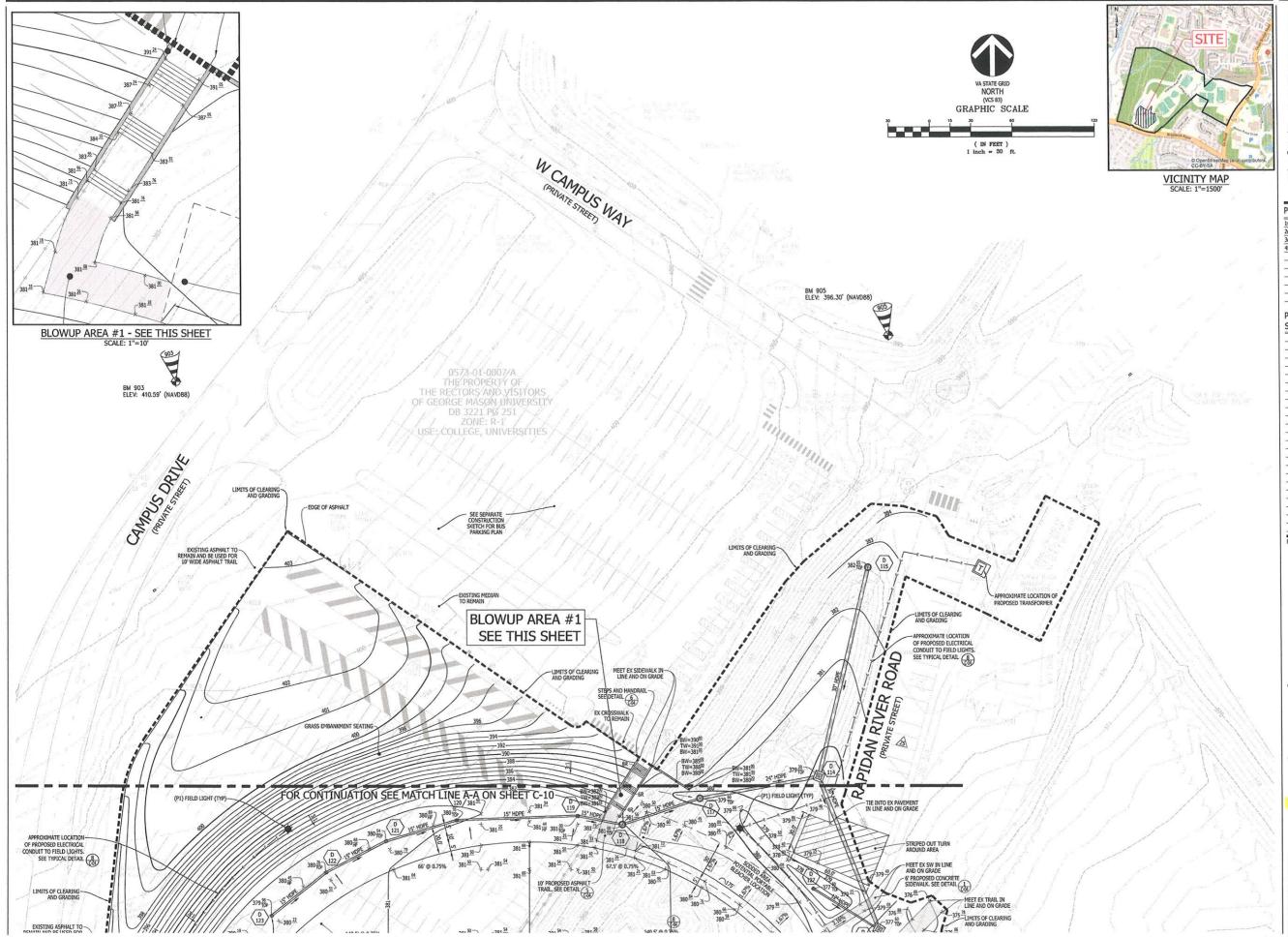
MULTIPURPOSE BALLPARK

FAIRFAX COUNTY, VIRGINIA

### **EXISTING CONDITIONS**

DRAWN BY: _	JMT	
DESIGNED BY:	LMG	
DATE ISSUED: _	12/01/2023	
DWG. SCALE:	1"=30'	
VIKA NO.	6172M	
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ROFESSIONAL SEAL	7246 c. <b>3</b>
GEORGE	MASON

# GEORGE MASON UNIVERSITY

MULTIPURPOSE BALLPARK
FAIRFAX COUNTY, VIRGINIA

## SITE AND GRADING PLAN

DRAWN BY: DESIGNED BY:	KY	
	KMO	
DATE ISSUED:	12/01/2023	
DWG. SCALE:	AS SHOWN	
VIKA NO.	6172M	
SHEET NO.	C-11	