

VICINITY MAP
SCALE 1"=2000'

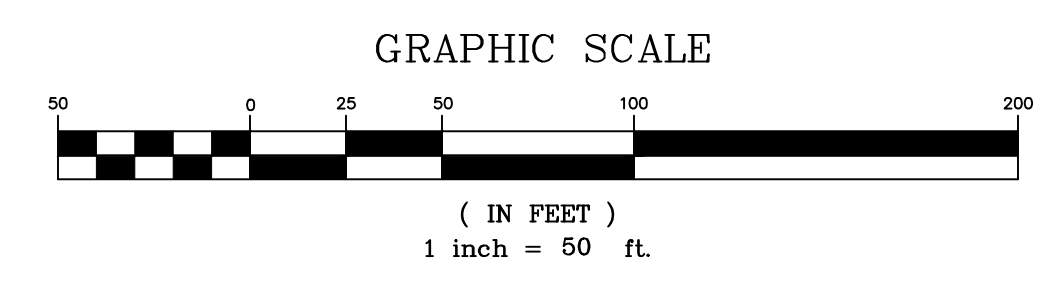
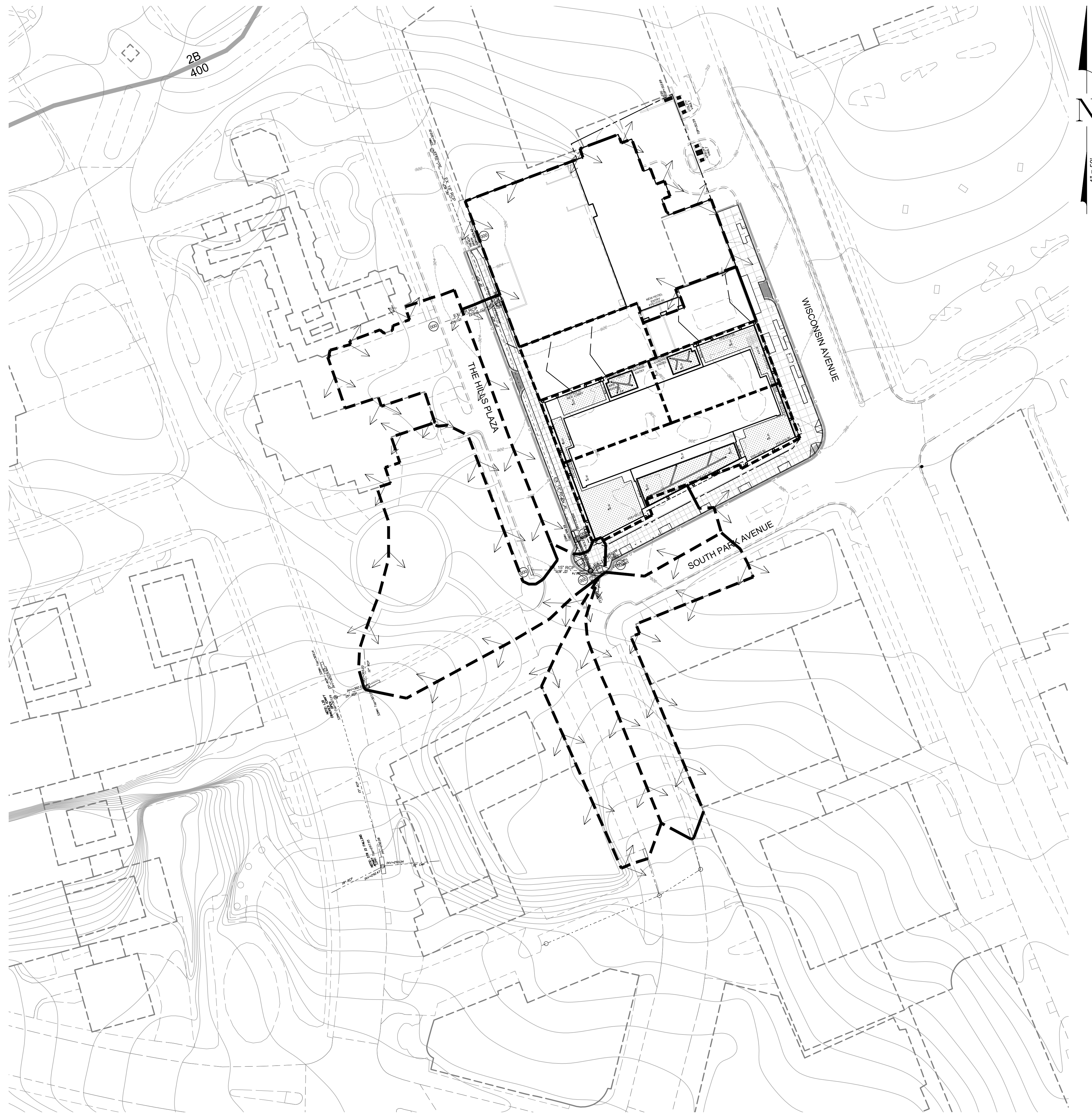
LEGEND
N.T.S.

2B	SOIL DIVIDE
6A	SOIL DIVIDE
---	NEW DRAINAGE DIVIDE
---	EX. DRAINAGE DIVIDE
---	EX. 15" RCP
---	EX. STORM DRAIN
---	15" RCP
---	NEW STORM DRAIN

Professional 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, Lic. No. 14979 Exp. Date: 07.02.2024

OWNER/DEVELOPER:
KRE PROPERTY OWNER, LLC
1455 PENNSYLVANIA AVENUE
SUITE 200
WASHINGTON, DC 20004

CARR COMPANIES
DONOHUE



NARRATIVE

- STUDY POINT 1 THERE IS A 0.39 ACRE INCREASE IN DESIGN DRAINAGE AREA AND A XX CFS INCREASE IN 10 YEAR FLOW UNDER ULTIMATE CONDITIONS. THIS IS DUE TO THE INCREASED IMPERVIOUS AREA AND PROPOSED ENCLOSED STORM DRAIN RE-ROUTING FLOWS.

- STUDY POINT 2 THERE IS A 0.13 ACRE INCREASE IN DESIGN DRAINAGE AREA AND A XX CFS INCREASE IN 10 YEAR FLOW UNDER ULTIMATE CONDITIONS. THIS IS DUE TO THE INCREASED IMPERVIOUS AREA AND PROPOSED ENCLOSED STORM DRAIN RE-ROUTING FLOWS.

- STUDY POINT 3 THERE IS NO CHANGE IN DESIGN DRAINAGE AREA AND A XX CFS INCREASE IN 10 YEAR FLOW UNDER ULTIMATE CONDITIONS. THESE CHANGES ARE DIRECTLY ATTRIBUTED TO THE OVERALL INCREASE IN IMPERVIOUS AREA ACROSS THE SITE.

- REFER TO SHEET 4 FOR IN-DEPTH COMPUTATIONS.

REVISIONS

NO.	DESCRIPTION	DATE

TAX MAP HMD43 WSSC 207NW04
PLAT 9126

7TH ELECTION DISTRICT
MONTGOMERY COUNTY
MARYLAND

LOT 21
BLOCK 1
FRIENDSHIP HEIGHTS

PROJ. MGR	PGL
DRAWN BY	MSH
SCALE	1"=50'
DATE	11.15.2022

DRAINAGE STUDY PLAN
ULTIMATE DOWNSTREAM
CONDITIONS

(SEE <http://websoilsurvey.nrcs.usda.gov/app/>)

SOIL BOUNDARIES HAVE BEEN GRAPHICALLY REPRODUCED FROM MONTGOMERY COUNTY SOILS MAP, FROM THE WEB SOIL SURVEY INTERNET SITE, DATED 2022-10-21.

MAP UNIT SYMBOL	MAP UNIT NAME	HSG RATING
2B	Glenelg Silt Loam, 3 to 8 percent slopes.	B
400	Urban Land.	D