

- LEGEND**
- EXISTING CONTOUR
 - TREELINE
 - FOREST STAND
 - DRAINAGE AREA
 - 100 YEAR FLOODPLAIN
 - STREAM VALLEY BUFFER
 - STREAM SYSTEM
 - WETLANDS
 - 25' WETLAND BUFFER
 - SOIL CLASSIFICATION
 - BOUNDARY
 - STREAMS
 - DRAINAGE DITCH
 - PROPERTY LINE
 - ADJACENT PROPERTY LINE
 - EXISTING SANITARY SEWER
 - 8" SAN. PROPOSED SANITARY SEWER
 - 12" W. EXISTING WATER
 - 12" W. PROPOSED WATER
 - 18" DRAIN. EXISTING STORM DRAIN
 - 18" SD. PROPOSED STORM DRAIN
 - 18" DRAIN. EXISTING STORM DRAIN TO BE REMOVED
 - 12" W. EXISTING WATER TO BE REMOVED
 - 8" SAN. EXISTING SANITARY SEWER TO BE REMOVED
 - 8" SAN. EXISTING SANITARY SEWER TO BE ABANDONED
 - EXISTING STORM WATER MANAGEMENT POND
 - WETLANDS
 - SLOPES >25%
 - SLOPES 15% - 25%
 - 26 EXISTING BUILDING
 - 26 PROPOSED BUILDING
 - PARKING LOT
 - EDGE OF ROAD

- SITE ANALYSIS TOTAL APL PROPERTY:**
- A. AREA OF PARCEL/LOT = 361 ACRES
 - B. PRESENT ZONING = PEC
 - C. PARKING TABULATION: EXISTING PARKING SPACES = 3,780
PROPOSED PARKING SPACES = 476 (NET)
TOTAL SPACES PROVIDED = 4,256
 - D. EXISTING BUILDING COVERAGE = 36.2 ACRES GROSS FLOOR AREA, COVERAGE = 18.1 ACRES, 5% OF TOTAL LOT AREA
 - E. PROPOSED BUILDING COVERAGE = 6.5 ACRES GROSS FLOOR AREA COVERAGE = 1.6 ACRES, 0.45% OF TOTAL LOT AREA
 - F. TOTAL PROPOSED BUILDING COVERAGE = 19.7 ACRES, 5.45% OF TOTAL LOT AREA
 - G. PROPOSED BUILDINGS DISTURBED AREA = 2.4 ACRES
 - H. PROPOSED USE = EDUCATION/RESEARCH
 - I. FLOOR SPACE USE = EDUCATION/RESEARCH
 - J. MAXIMUM NUMBER OF EMPLOYEES = 3,900
 - K. NO LOT SUBDIVISION IS ANTICIPATED.
 - L. CASE NUMBERS APPLICABLE: WAIVER PRELIMINARY PLAN, #WP-01-80
 - M. SANITARY SEWER / WATER SERVICE SEE GENERAL NOTES.
 - N. EXISTING OPEN SPACE AREA (LOT AREA MINUS PARKING AND BUILDINGS) = 308 ACRES, 85.3% OF TOTAL LOT AREA.
 - O. PROPOSED OPEN SPACE AREA = 303 ACRES, 83.9% OF TOTAL LOT (PROPOSED BUILDINGS AND PARKING = 5 ACRES)
- GENERAL NOTES:**
1. THE EXISTING TOPOGRAPHY IS TAKEN FROM AERIAL SURVEY WITH MAXIMUM FIVE FOOT CONTOUR INTERVALS PREPARED FOR THE APPLIED PHYSICS LABORATORY-THE JOHNS HOPKINS UNIVERSITY BY WHITMAN, REQUARDT AND ASSOCIATES
 2. WATER IS PUBLIC (HOWARD COUNTY)
 3. SEWER IS PUBLIC (HOWARD COUNTY)
 4. THE FLOODPLAIN LIMITS FOR THIS PROJECT WAS TAKEN FROM HOWARD COUNTY STUDY.
 5. DIMENSION TO NEW STRUCTURES ARE PERPENDICULAR TO PROPERTY LINE.
 6. THE PURPOSE OF THIS SKETCH PLAN IS TO REPRESENT NEW BUILDINGS AND STORMWATER MANAGEMENT FACILITIES ASSOCIATED WITH THE LABORATORY OPERATION AND RESEARCH.
 7. THE SKETCH PLAN ~~SHOWS~~ THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY IS NOT LOCATED IN THE 100 YEAR FLOOD PLAIN
 8. ALL EXISTING UTILITIES WITHIN THE FOOTPRINT OF NEW BUILDINGS WILL BE RELOCATED OUTSIDE THE BUILDING AREA AS SHOWN.
 9. SOIL MAP USED SHEET NO. 29, SOIL SURVEY JULY 1968 HOWARD COUNTY, MARYLAND, USA.

PROPERTY NOTES

1. COURSES AND COORDINATES ARE BASED ON THE MARYLAND STATE COORDINATE SYSTEM (NAD 83) AND ARE DERIVED FROM THE FOLLOWING JOHNS HOPKINS UNIVERSITY CONTROL STATIONS:

STATION	NORTH	EAST
HOPKINS	544836.5300	1340825.3542
G12	550256.5002	1342325.2642
G7	548107.0328	1341025.0830
G8	549478.7005	1341170.4345

2. OWNERSHIP: JOHNS HOPKINS UNIVERSITY (SEE BELOW)
3. THE INFORMATION PROVIDED AND OBTAINED INDICATES THAT TITLE TO THE SUBJECT PROPERTY IS VESTED IN THE FOLLOWING DEEDS:

BEING ALL OF THE FOLLOWING DEEDS:

DEED DATED OCTOBER 9, 1952 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER M.W.B.237, FOLIO 451, WHICH WAS CONVEYED BY GEORGE WOLFF, EVA WOLFF AND M. JEAN DAVIDSON TO THE JOHNS HOPKINS UNIVERSITY.

BEING PART OF THE FOLLOWING DEEDS:

DEED DATED JULY 30, 1952 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER M.W.B. 234, FOLIO 304, WHICH WAS CONVEYED BY RAYMOND D. MOORE AND ELIZABETH A. MOORE TO THE JOHNS HOPKINS UNIVERSITY.

DEED DATED JULY 31, 1952 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER M.W.B.234, FOLIO 336, WHICH WAS CONVEYED BY HOWARD E. WESSEL, DOROTHY L. WESSEL, ROLAND F. WESSEL AND DOROTHY E. WESSEL TO THE JOHNS HOPKINS UNIVERSITY.

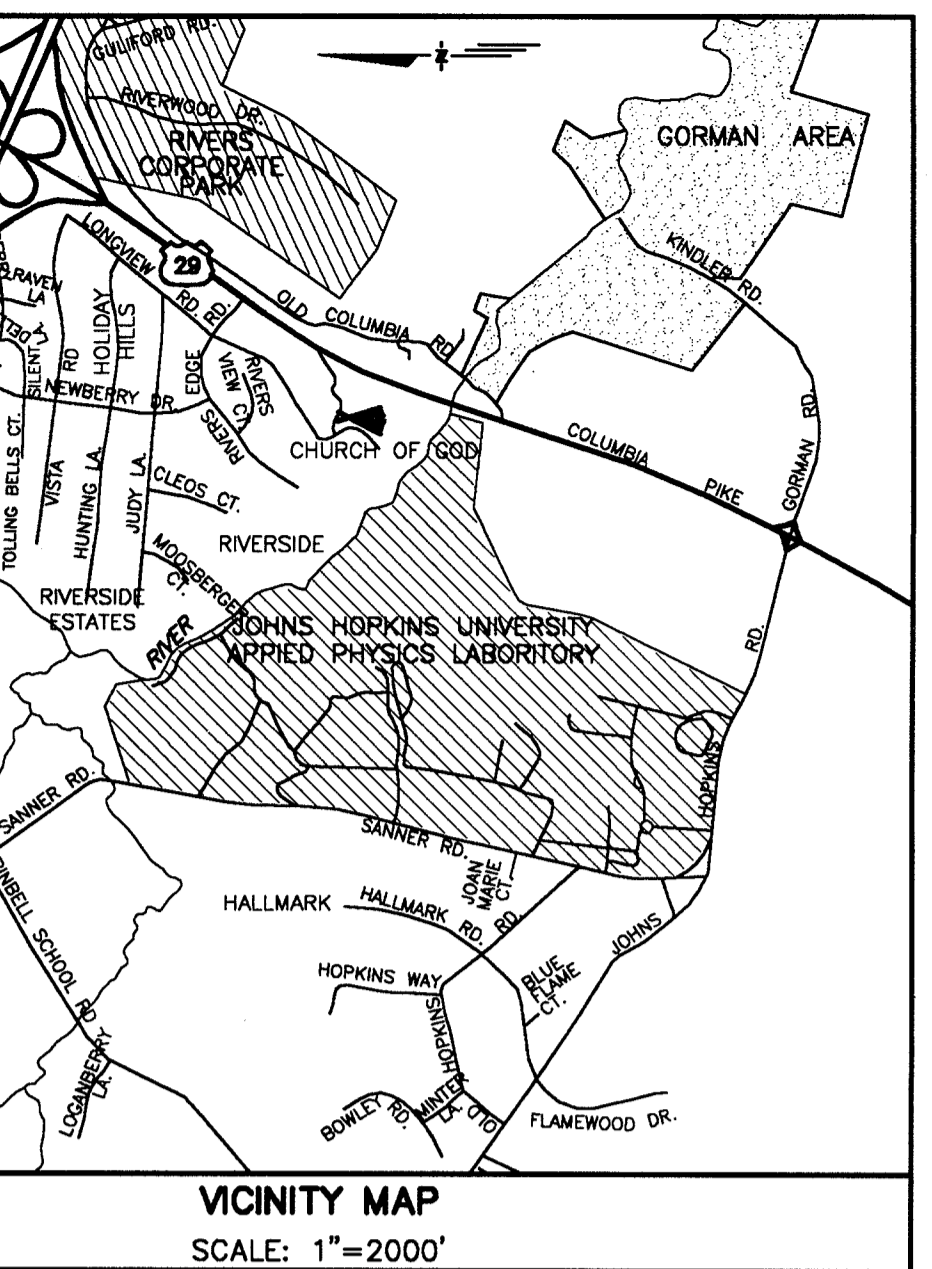
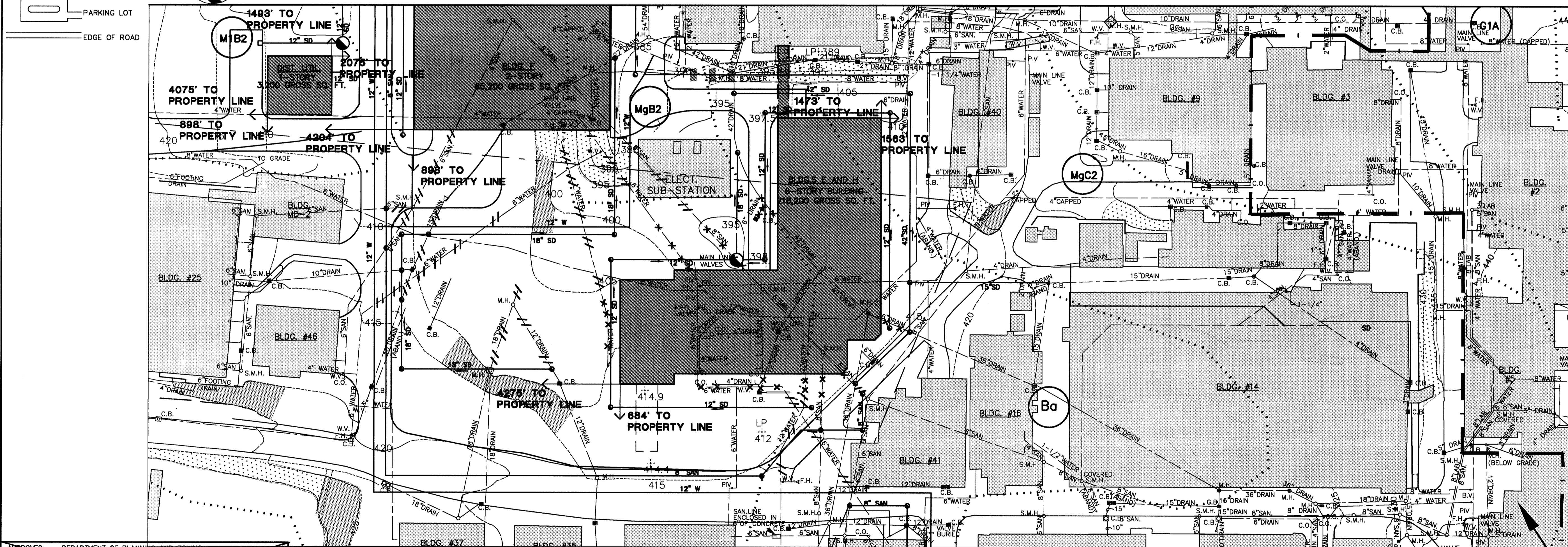
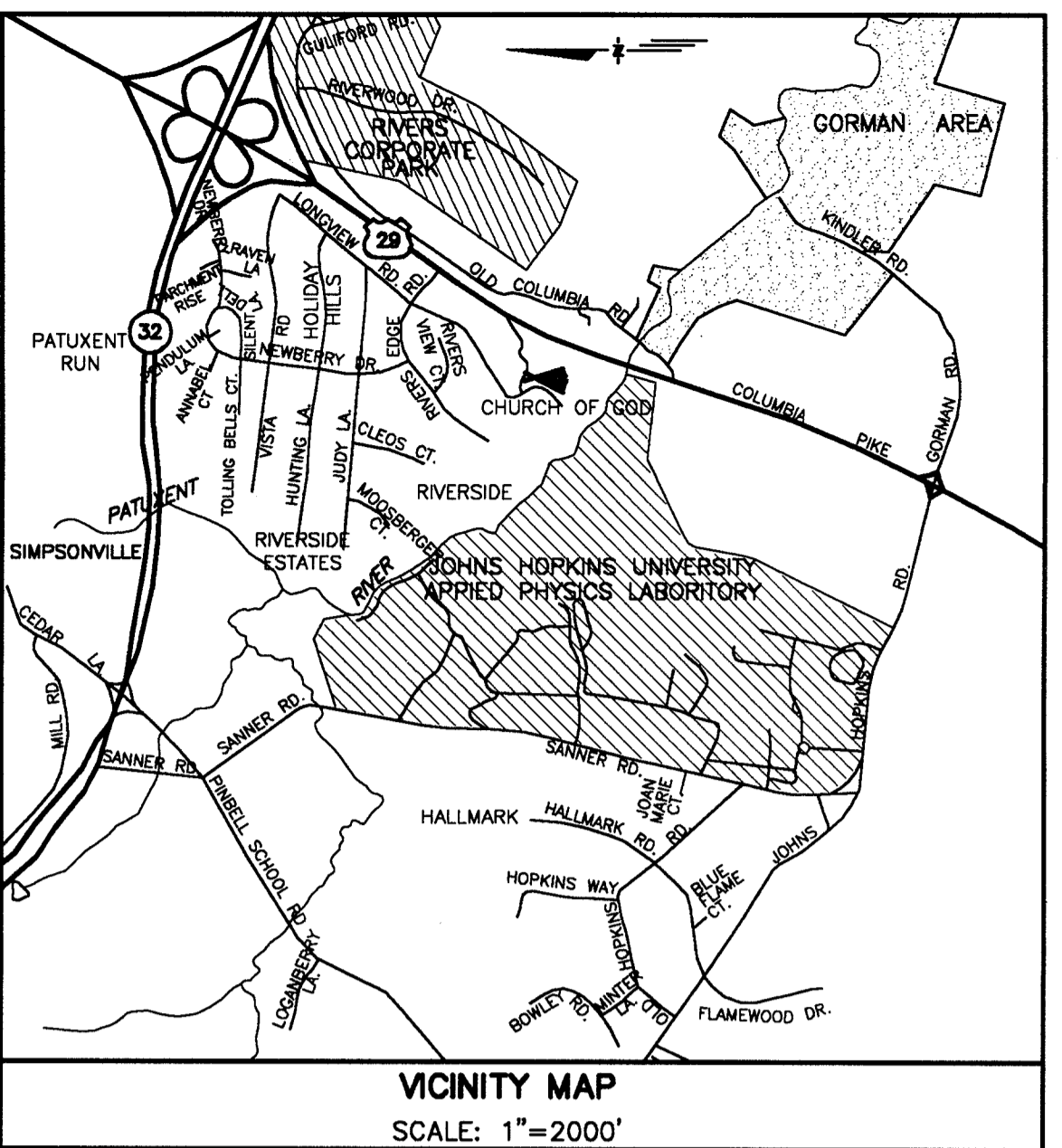
DEED DATED NOVEMBER 24, 1953 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER M.W.B. 250, FOLIO 283, WHICH WAS CONVEYED BY JEAN M. DAVIDSON, GEORGE WOLFF AND EVA WOLFF TO THE JOHNS HOPKINS UNIVERSITY.

DEED DATED APRIL 8, 1963 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 398, FOLIO 244, WHICH WAS CONVEYED BY MILDRED B. PRICE, JAMES N. PRICE AND MILDRED B. PRICE, EXECUTRIX OF THE ESTATE OF SCOTT F. BROWN TO THE JOHNS HOPKINS UNIVERSITY.

DEED DATED MAY 31, 1963 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 400, FOLIO 625, WHICH WAS CONVEYED BY HERBERT W. WESSEL AND GERTRUDE L. WESSEL TO JOHNS HOPKINS UNIVERSITY.

FOREST CONSERVATION NOTE PER SECTION 16.1202(b)(1)(iii) HOWARD CO. CODE:

THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY HAS BEEN CONSTRUCTED OVER A PERIOD OF YEARS STARTING IN THE 1950'S AND CONTINUING INTO THE 1990'S. ALL OF THE CLEARING AND GRADING TO CREATE THE SITE AS IT EXISTS TODAY WAS COMPLETED IN THE EARLY 1990'S. THE CONSTRUCTION DURING THE LATE 1990'S WAS LIMITED TO AREA ALREADY CLEARED AND GRADED UNDER PREVIOUS CONSTRUCTION CONTRACTS. THE PROPOSED ADDITIONS ARE LIMITED TO AREAS PREVIOUSLY CLEARED AND GRADED. FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.120 OF HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL SHALL BE FULFILLED BY THE FILING OF A DECLARATION OF INTENT FOR THE CLEARING OF LESS THAN 40,000 SQUARE FEET OF FOREST.



APPROVED: DEPARTMENT OF PLANNING AND ZONING

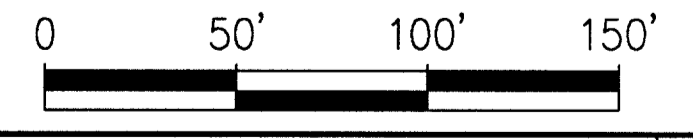
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DIRECTOR DATE

OWNER/DEVELOPER
APPLIED PHYSICS LABORATORY-THE JOHNS HOPKINS UNIVERSITY
11100 JOHNS HOPKINS ROAD
LAUREL, MARYLAND 20707

SURVEYOR
WHITMAN, REQUARDT AND ASSOCIATES
2315 SAINT PAUL STREET
BALTIMORE, MARYLAND 21218



AMT
A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
11750 TWINBROOK PARKWAY, SUITE 200, ROCKVILLE MD 20852
TEL. (301) 881-2848 FAX (301) 881-8814
AMT FILE # 98-153

Einhorn
Yaffee
Prescott

DES: B. WARNER					
DRN: D. MCFARLAND					
CHK: B. WARNER					
DATE: 10/00					
DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

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DEPT. OF PLANNING AND ZONING OF HOWARD COUNTY

Karl Kutt
PLANNING DIRECTOR 2/26/01
DATE

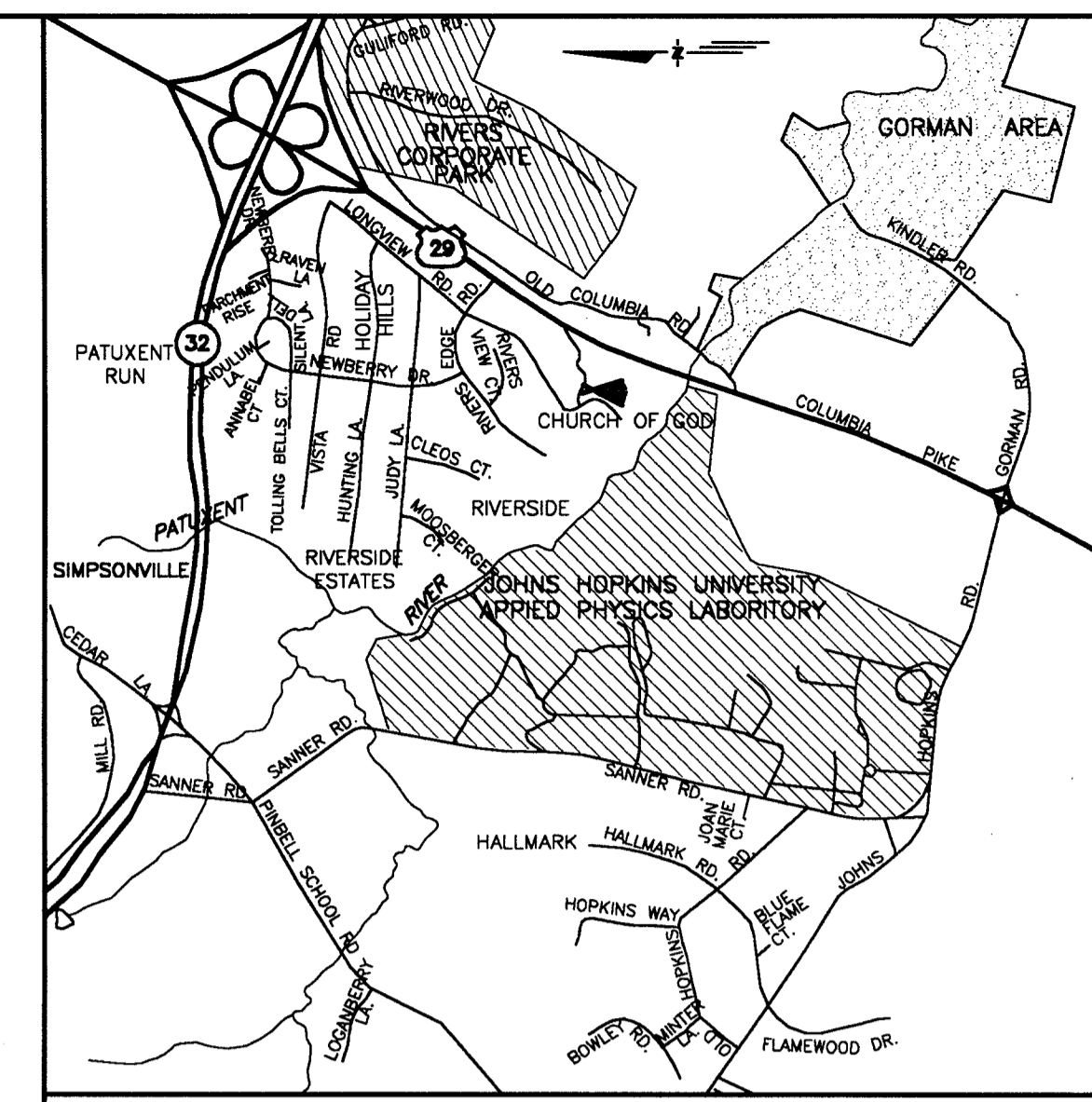
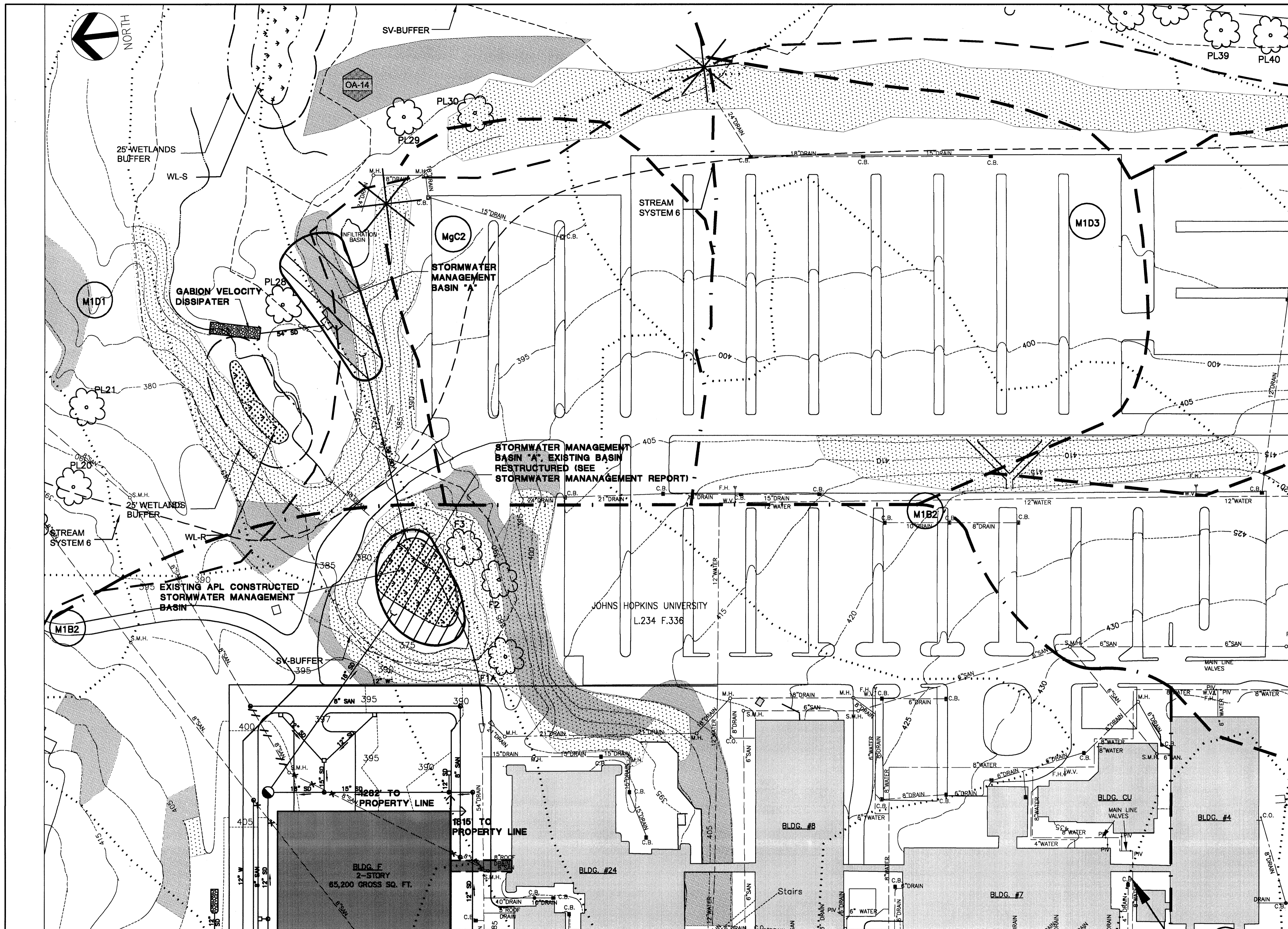
APPLIED PHYSICS LABORATORY
THE JOHNS HOPKINS UNIVERSITY
SKETCH PLAN
DRAINAGE AREA "A"

TAX MAP 41 PARCEL 123
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 1 OF 5

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- LEGEND**
- EXISTING CONTOUR
 - TREELINE
 - FOREST STAND
 - DRAINAGE AREA
 - 100 YEAR FLOODPLAIN
 - STREAM VALLEY BUFFER
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 - SOIL CLASSIFICATION
 - BOUNDARY
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 - DRAINAGE DITCH
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 - EXISTING SANITARY SEWER
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 - EDGE OF ROAD
- OA-1 OBSERVATION AREA
 - A1 30" DBH TREE
 - A1B2 SOILS CLASSIFICATION
 - PROPOSED INFILTRATION TRENCH
 - CATCH BASIN
 - C.B. C.B.
 - EXISTING MANHOLE
 - SANITARY SEWER MANHOLE
 - PROPOSED MANHOLE
 - PROPOSED STORMCEPTOR
 - EXISTING POST INDICATOR VALVE
 - EXISTING WATER VALVE
 - EXISTING FIRE HYDRANT
 - EXISTING CLEANOUT
 - PROPOSED STORM DRAIN CATCH BASIN

APPROVED: DEPARTMENT OF PLANNING AND ZONING
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 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
 DIRECTOR DATE

OWNER/DEVELOPER
 APPLIED PHYSICS LABORATORY-
 THE JOHNS HOPKINS UNIVERSITY
 11100 JOHNS HOPKINS ROAD
 LAUREL, MARYLAND 20707

SURVEYOR
 WHITMAN, REQUART AND ASSOCIATES
 2315 SAINT PAUL STREET
 BALTIMORE, MARYLAND 21218

MATCHLINE A-A

0 50' 100' 150'

AMT
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 CONSULTING ENGINEERS
 12750 TWINBROOK PARKWAY, SUITE 200, ROCKVILLE MD 20852
 TEL: (301) 881-2545 FAX: (301) 881-4814
 AMT FILE # 96-153

Einhorn Yaffee Prescott

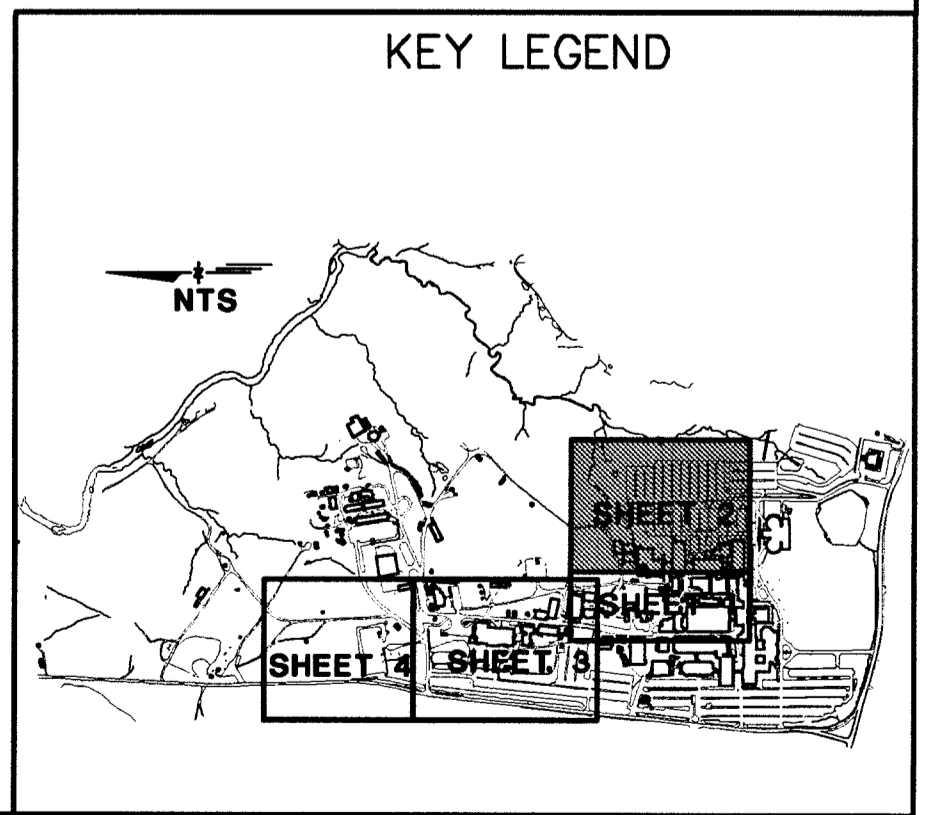
DES: B. WARNER					
DRN: D. MCFARLAND					
CHK: B. WARNER					
DATE: 10/00	DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK APP

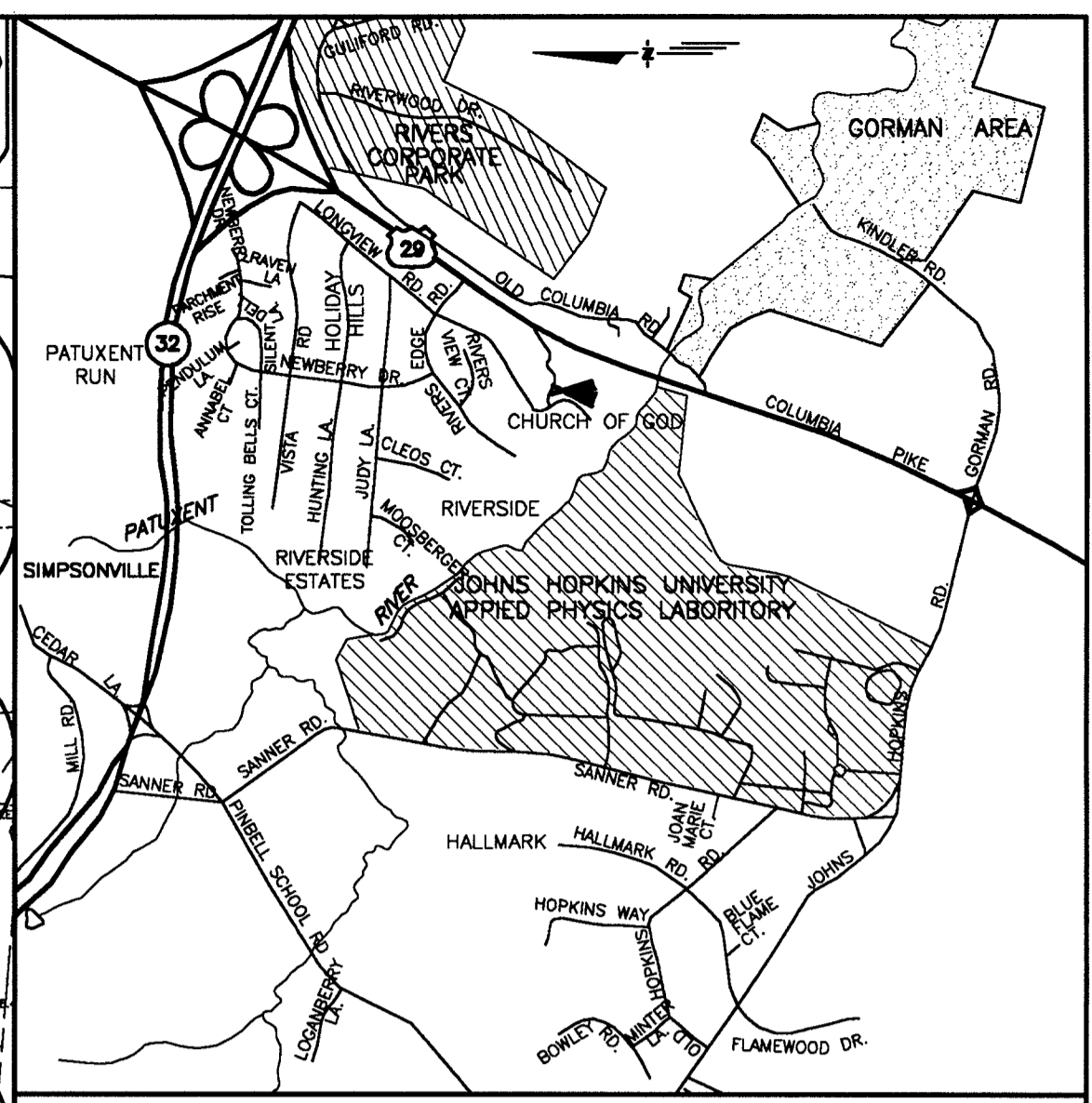
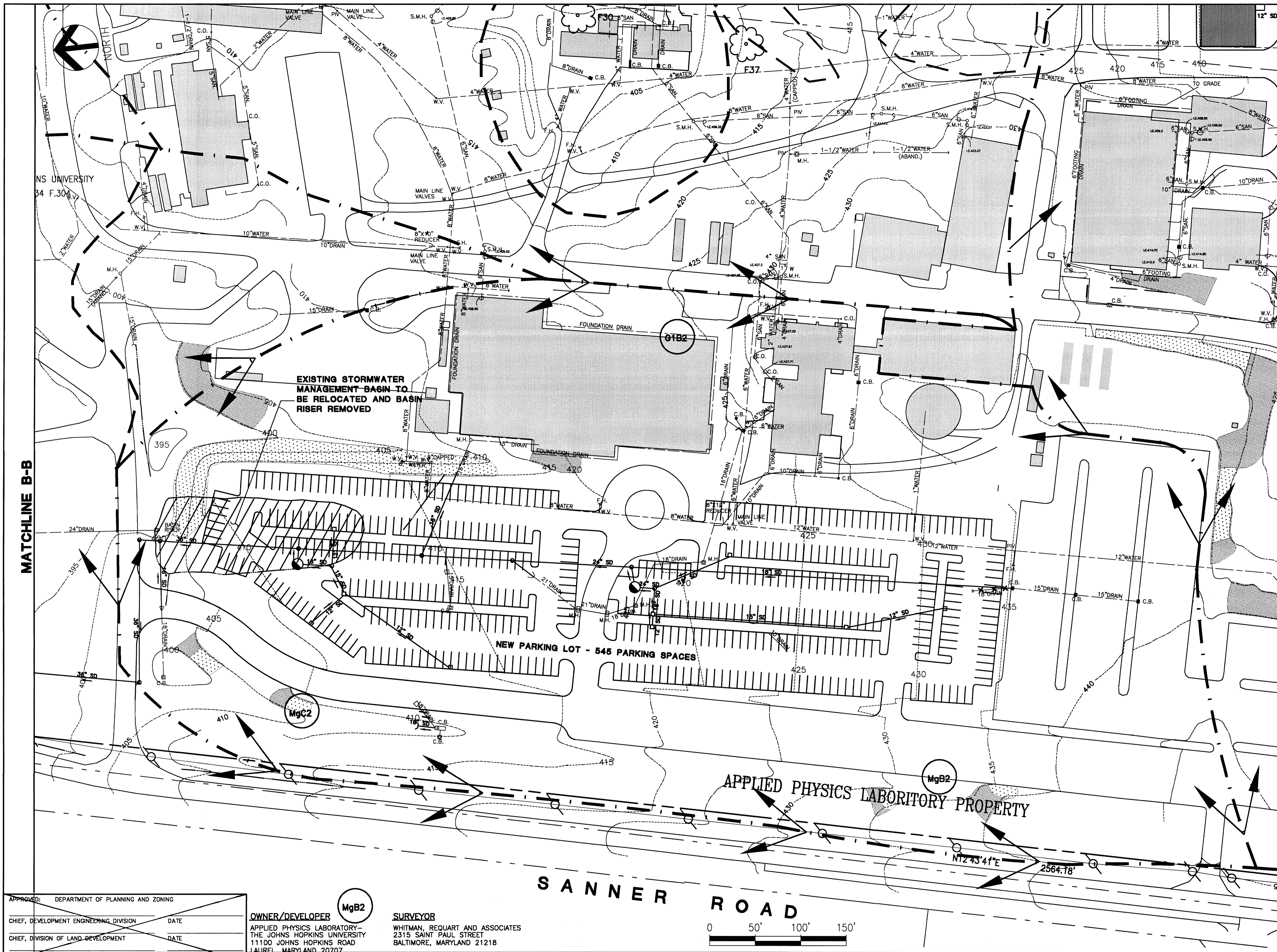
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 HOWARD COUNTY

[Signature] 2/26/01
 PLANNING DIRECTOR DATE

APPLIED PHYSICS LABORATORY
 THE JOHNS HOPKINS UNIVERSITY
 SKETCH PLAN
 DRAINAGE AREA "A"
 TAX MAP 41 PARCEL 123
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 2 OF 5





VICINITY MAP
SCALE: 1"=2000'

LEGEND

- EXISTING CONTOUR
- TREELINE
- FOREST STAND
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- 26 PROPOSED BUILDING
- PARKING LOT
- EDGE OF ROAD

CA-1 OBSERVATION AREA

A1 30" DBH TREE

110C SOILS CLASSIFICATION

PROPOSED INFILTRATION TRENCH

CATCH BASIN
C.B. C.B.

EXISTING MANHOLE
M.H.

SANITARY SEWER MANHOLE
S.M.H.

PROPOSED MANHOLE

PROPOSED STORMCEPTOR

EXISTING POST INDICATOR VALVE
PIV

EXISTING WATER VALVE
W.V.

EXISTING FIRE HYDRANT
F.H.

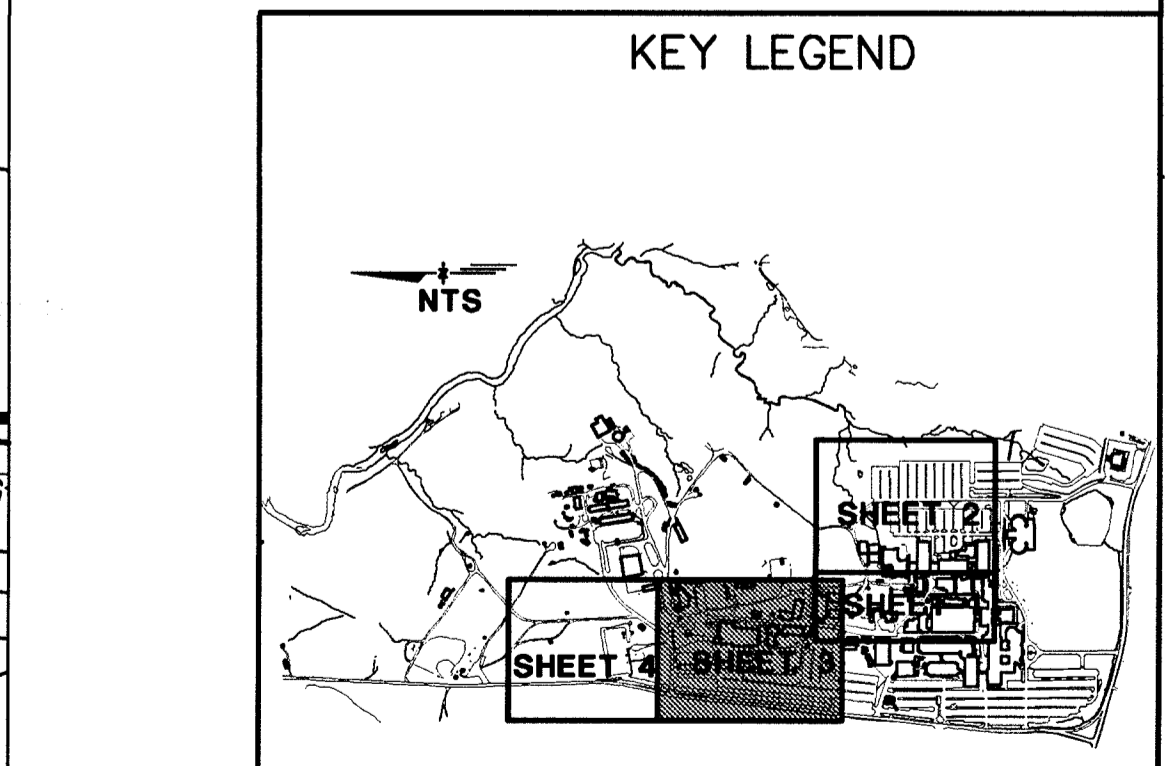
EXISTING CLEANOUT
C.O.

PROPOSED STORM DRAIN CATCH BASIN

PARKING TABLE

545 NEW PARKING SPACES
-69 EXIST. PARKING SPACES
476 NET ADDITIONAL SPACES

SEE SHEET 1 OF 4 FOR TOTAL PARKING TABULATION



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CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

CHIEF, DIVISION OF LAND DEVELOPMENT DATE

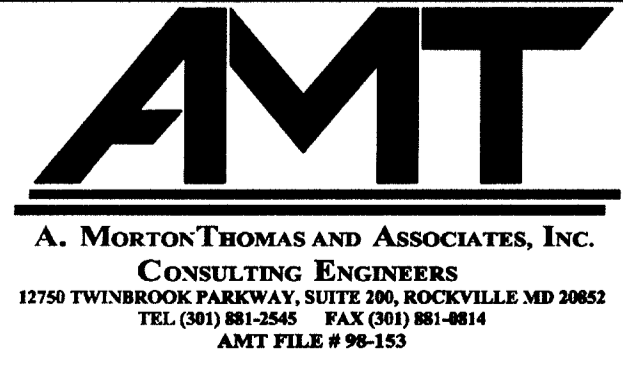
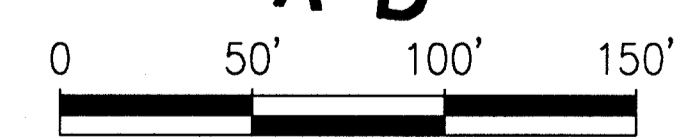
DIRECTOR DATE

OWNER/DEVELOPER MgB2

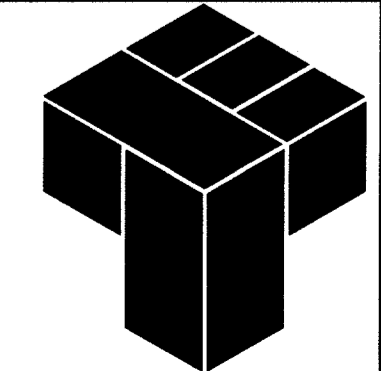
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11100 JOHNS HOPKINS ROAD
LAUREL, MARYLAND 20707

SURVEYOR

WHITMAN, REQUART AND ASSOCIATES
2315 SAINT PAUL STREET
BALTIMORE, MARYLAND 21218



Einhorn Yaffee Prescott



DES: B. WARNER					
DRN: D. MCFARLAND					
CHK: B. WARNER					
DATE: 10/00					
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DEPT. OF PLANNING AND ZONING OF HOWARD COUNTY

David S. White
PLANNING DIRECTOR

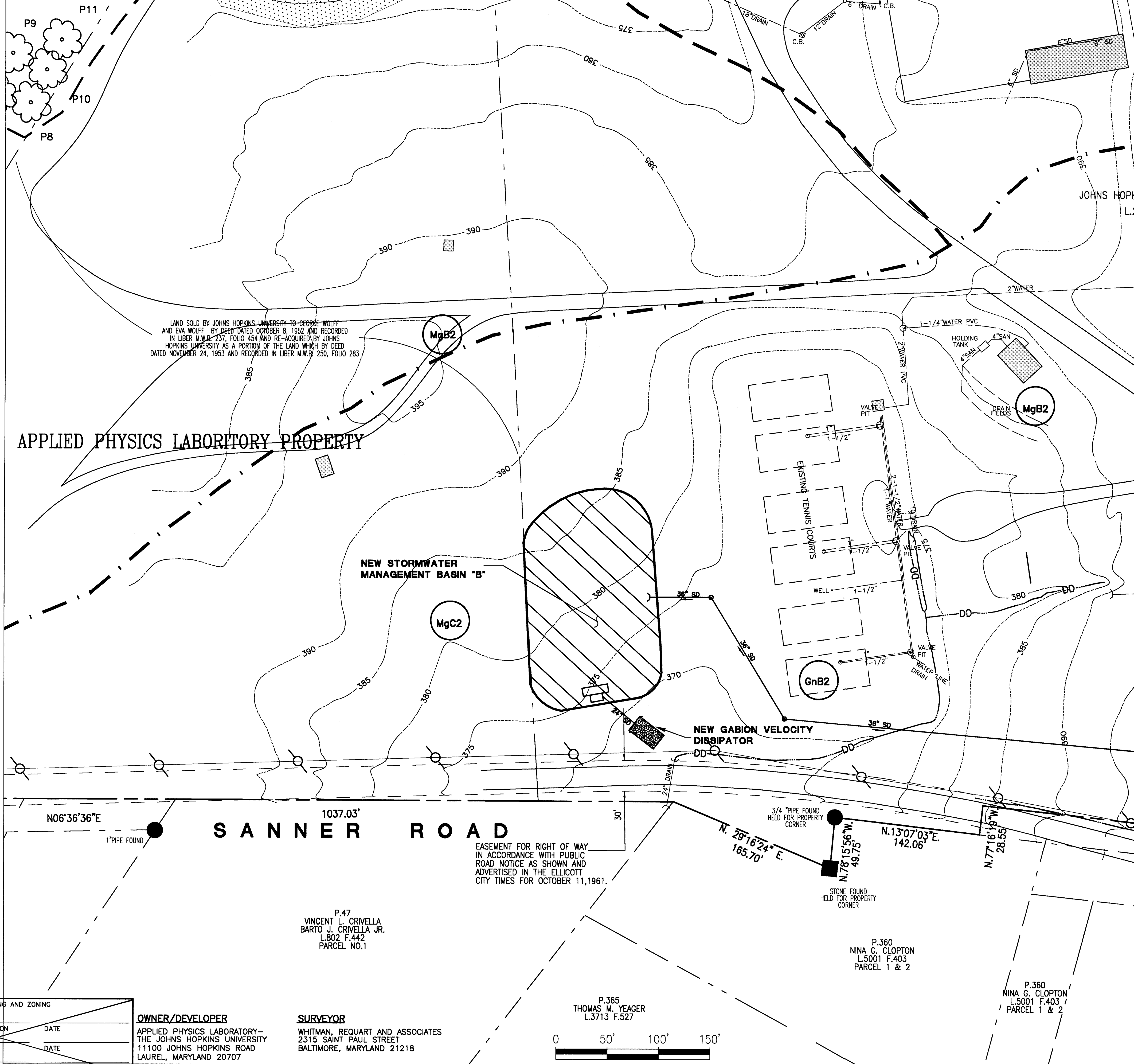
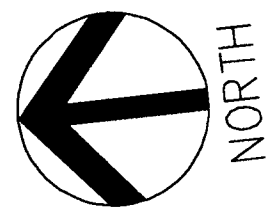
DATE: 2/26/01

APPLIED PHYSICS LABORATORY
THE JOHNS HOPKINS UNIVERSITY
SKETCH PLAN
DRAINAGE AREA "B"

TAX MAP 41 PARCEL 123
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 3 OF 6



LAND SOLD BY JOHNS HOPKINS UNIVERSITY TO GEORGE WOLFF AND EVA WOLFF BY DEED DATED OCTOBER 8, 1952 AND RECORDED IN LIBER M.W.B. 237, FOLIO 454 AND RE-AQUIRED BY JOHNS HOPKINS UNIVERSITY AS A PORTION OF THE LAND WHICH BY DEED DATED NOVEMBER 24, 1953 AND RECORDED IN LIBER M.W.B. 230, FOLIO 283

EASEMENT FOR RIGHT OF WAY IN ACCORDANCE WITH PUBLIC ROAD NOTICE AS SHOWN AND ADVERTISED IN THE ELLICOTT CITY TIMES FOR OCTOBER 11, 1961.

P.47
VINCENT L. CRIVELLA
BARTO J. CRIVELLA JR.
L.802 F.442
PARCEL NO.1

P.360
NINA G. CLOPTON
L.5001 F.403
PARCEL 1 & 2

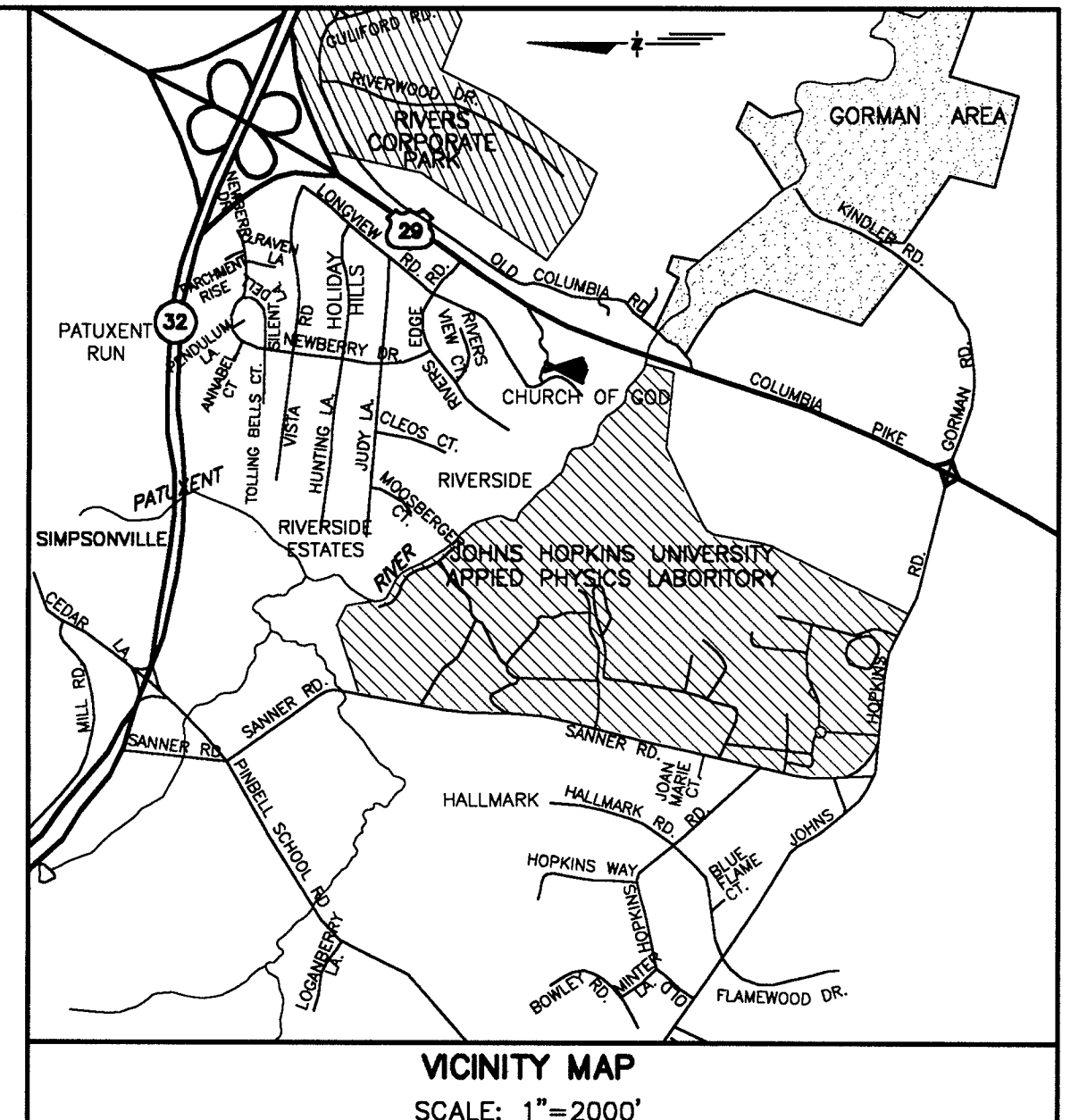
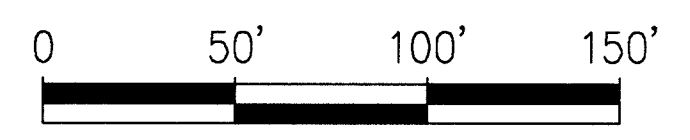
P.360
NINA G. CLOPTON
L.5001 F.403
PARCEL 1 & 2

P.365
THOMAS M. YEAGER
L.3713 F.527

SURVEYOR
APPLIED PHYSICS LABORATORY-
THE JOHNS HOPKINS UNIVERSITY
11100 JOHNS HOPKINS ROAD
LAUREL, MARYLAND 20707

OWNER/DEVELOPER
APPLIED PHYSICS LABORATORY-
THE JOHNS HOPKINS UNIVERSITY
11100 JOHNS HOPKINS ROAD
LAUREL, MARYLAND 20707

APPROVED:	DEPARTMENT OF PLANNING AND ZONING
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
DIRECTOR	DATE



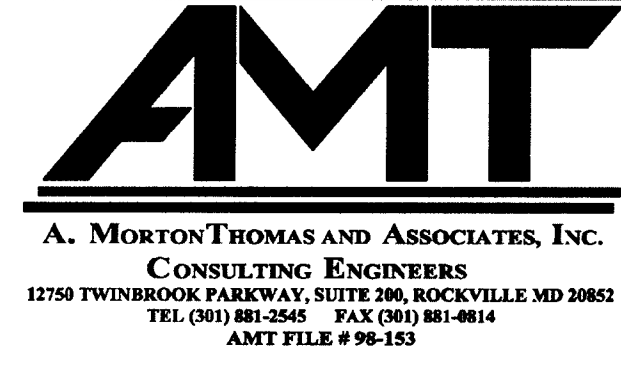
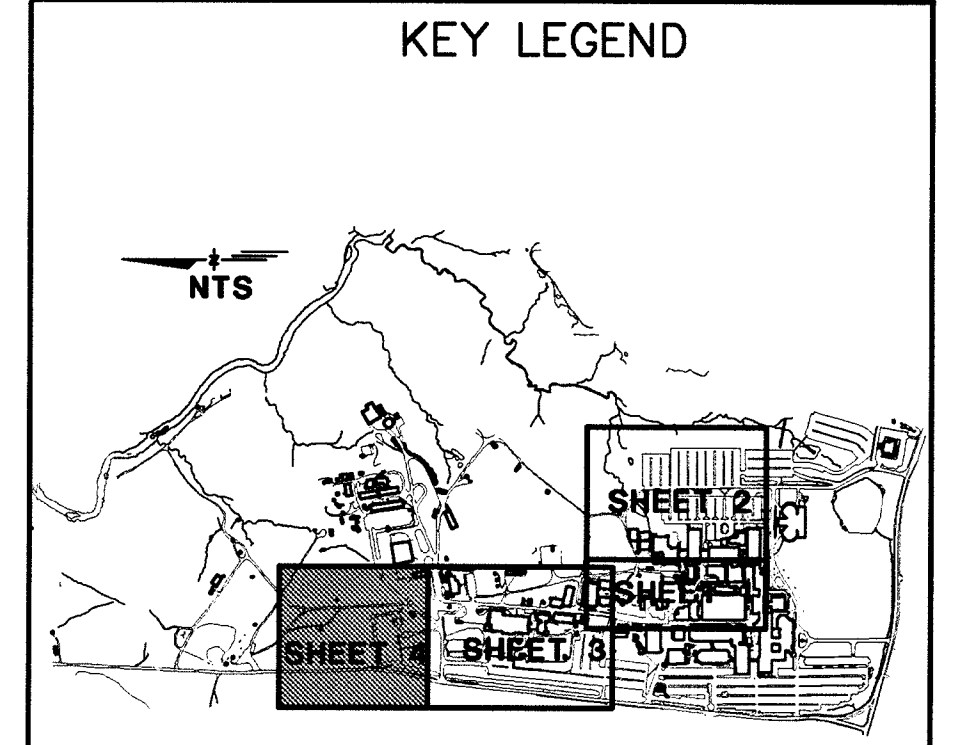
VICINITY MAP
SCALE: 1" = 2000'

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 - PIV EXISTING POST INDICATOR VALVE
 - WV EXISTING WATER VALVE
 - F.H. EXISTING FIRE HYDRANT
 - C.O. EXISTING CLEANOUT
 - PROPOSED STORM DRAIN CATCH BASIN

MATCHLINE B-B



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DEPT. OF PLANNING AND ZONING OF
HOWARD COUNTY
[Signature]
PLANNING DIRECTOR
2/2/01
DATE

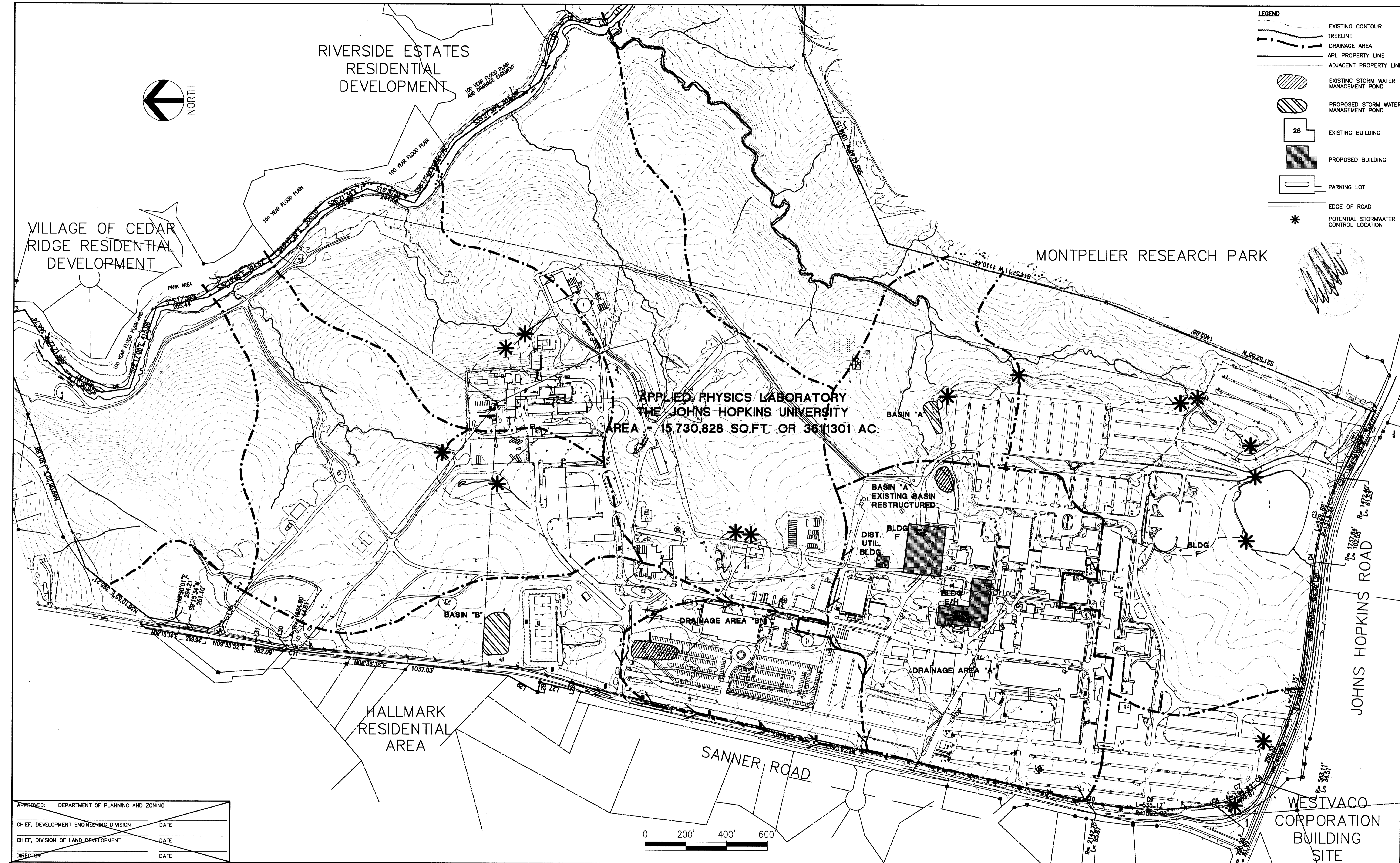


DES: B. WARNER									
DRN: D. MCFARLAND									
CHK: B. WARNER									
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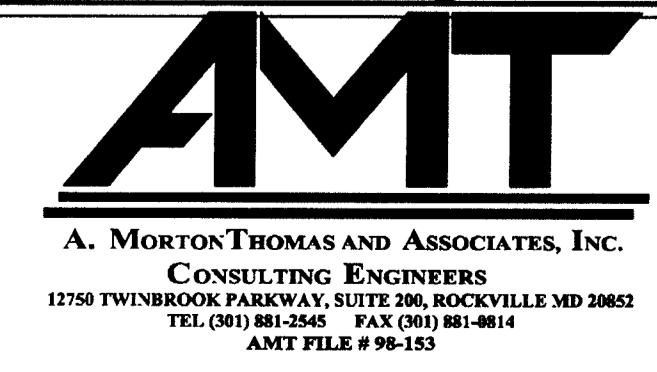
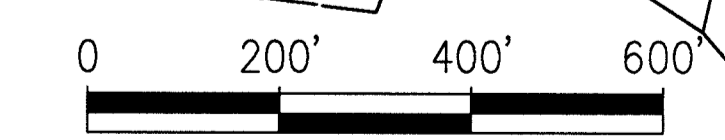
APPLIED PHYSICS LABORATORY
THE JOHNS HOPKINS UNIVERSITY
SKETCH PLAN
DRAINAGE AREA "B"
TAX MAP 41 PARCEL 123
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 4 OF 6



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 - 26 PROPOSED BUILDING
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 - EDGE OF ROAD
 - POTENTIAL STORMWATER CONTROL LOCATION

APPROVED:	DEPARTMENT OF PLANNING AND ZONING
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
DIRECTOR	DATE



DES: B. WARNER					
DRN: D. MCFARLAND					
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ZONING OF
HOWARD COUNTY

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PLANNING DIRECTOR 2/24/01
DATE

APPLIED PHYSICS LABORATORY
THE JOHNS HOPKINS UNIVERSITY
DRAINAGE AREA PLAN

TAX MAP 41 PARCEL 123
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

SCALE
AS
SHOWN
SHEET
5 OF 5