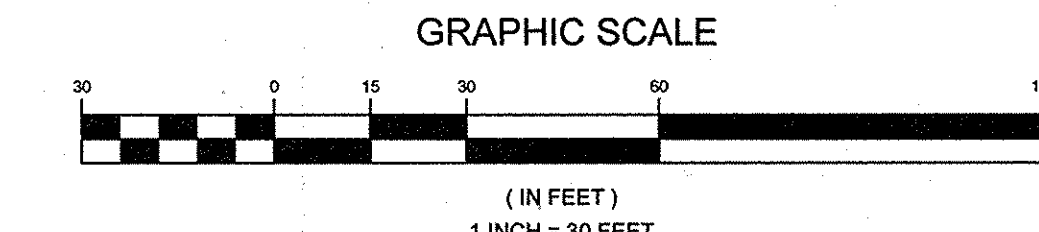
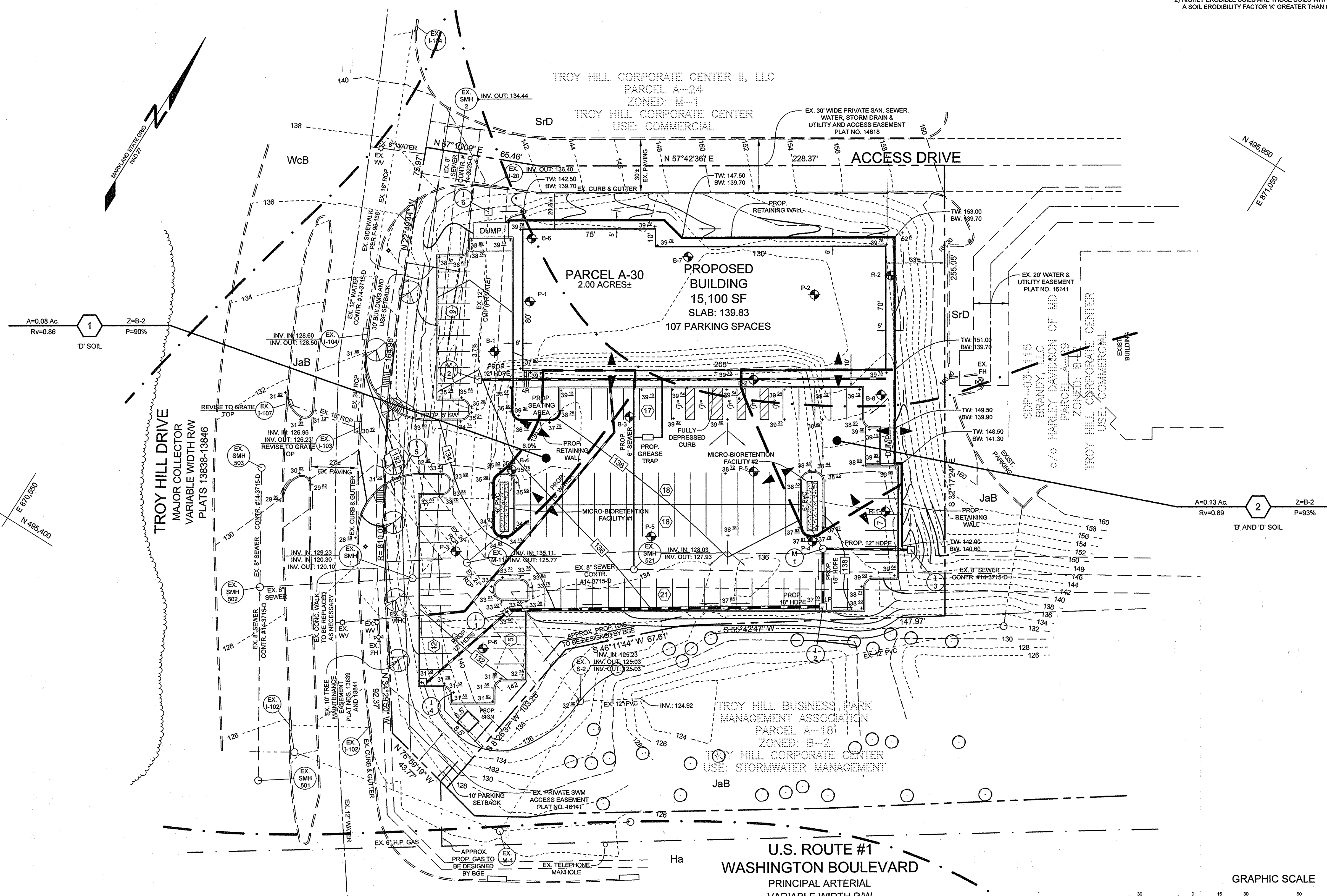


SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
JaB	JACKLAND SILT LOAM, 3 TO 8 PERCENT SLOPES	D	0.37
SiD	SASSAFRAS AND CROON SOILS, 10 TO 15 PERCENT SLOPES	B	0.32

NOTES:  
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.  
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

**LEGEND**

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- EXISTING TREELINE
- EXISTING TREES
- EXISTING STREET TREES
- EXISTING LIGHT POLES
- PROPOSED HANDICAP PARKING SPACE
- PROPOSED SOIL BORING
- PROPOSED PARKING SPACE COUNT
- PROP. MICRO-BIORETENTION FACILITY
- PROPOSED DRAINAGE DIVIDE



**ENVIRONMENTAL SITE DESIGN  
DRAINAGE AREA MAP  
TROY HILL CORPORATE CENTER**

PARCEL A-30

TAX MAP 37 GRID 18  
1ST ELECTION DISTRICT

PARCEL 135  
HOWARD COUNTY, MARYLAND

**OWNER/DEVELOPER**

TROY HILL SQUARE, LLC  
c/o SERGIO ACLE  
10132 BALTIMORE NATIONAL PIKE, SUITE A  
ELLICOTT CITY, MD 21042  
410.461.4400

**SILL ENGINEERING GROUP, LLC**

11130 Dovedale Court, Suite 200  
Marriottsville, Maryland 21104  
Phone: 443-325-5076  
Fax: 410-696-2022  
Email: info@sillengineering.com  
Civil Engineering for Land Development

DESIGN BY: PS  
 DRAWN BY: PS  
 CHECKED BY: PS  
 SCALE: 1" = 30'  
 DATE: SEPTEMBER 25, 2015  
 PROJECT #: 14-013  
 SHEET #: 4 of 4

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, LICENSE NO. 32023, EXPIRATION DATE: JUNE 30, 2017.

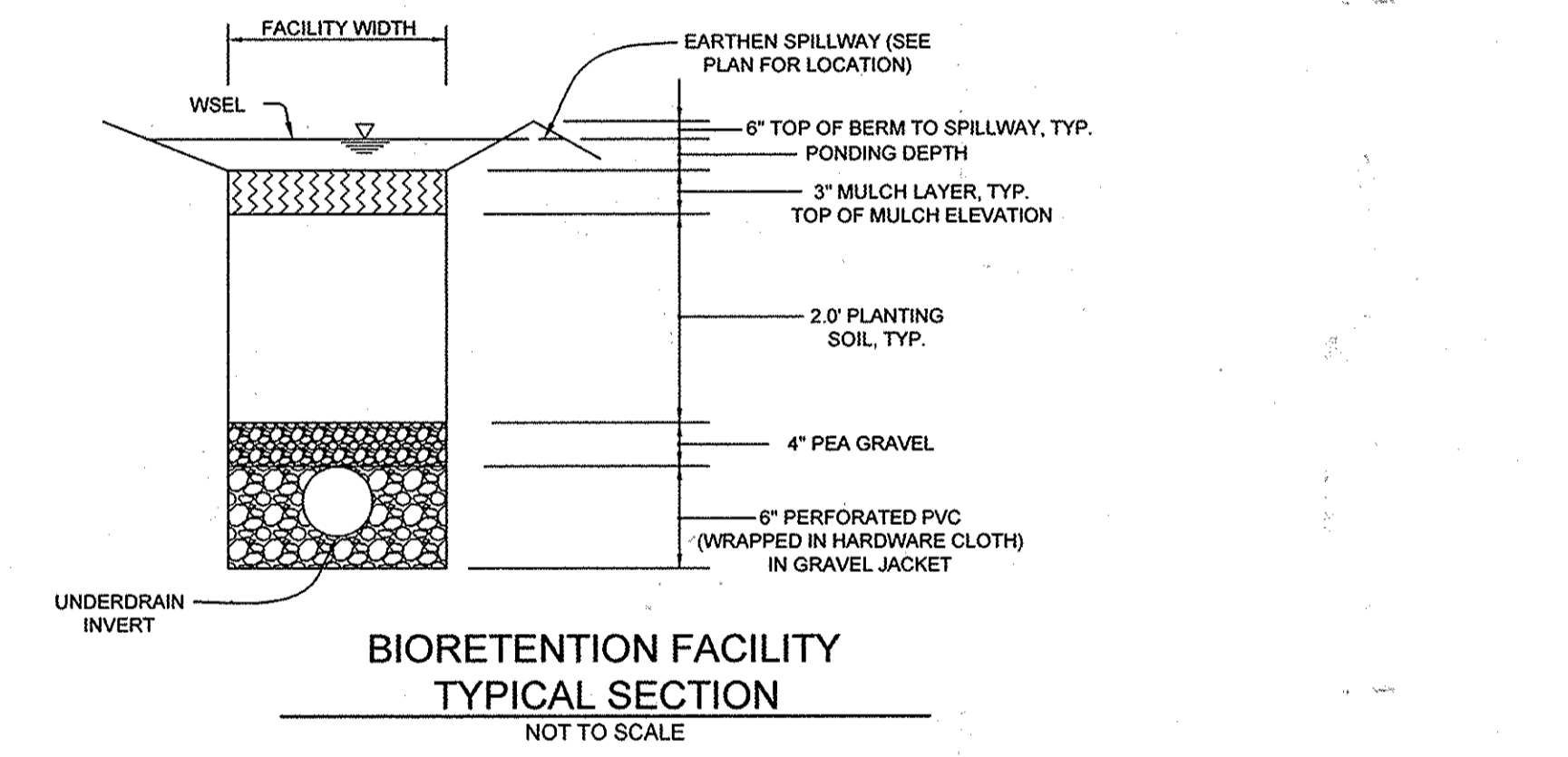
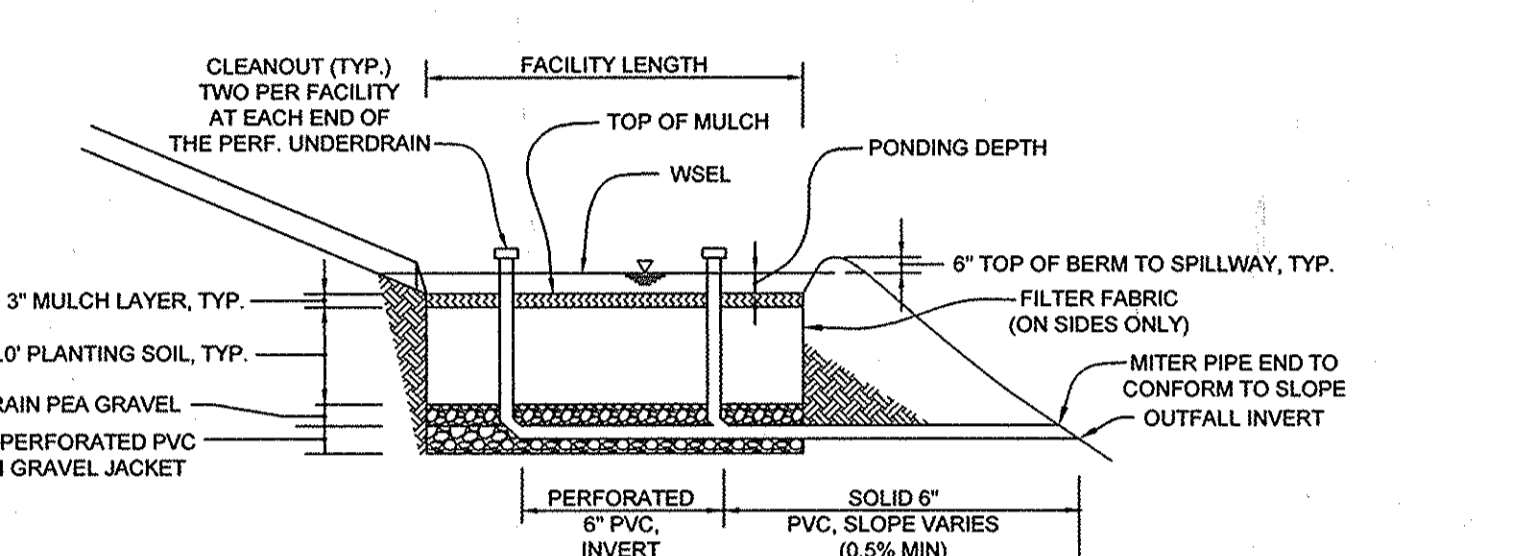
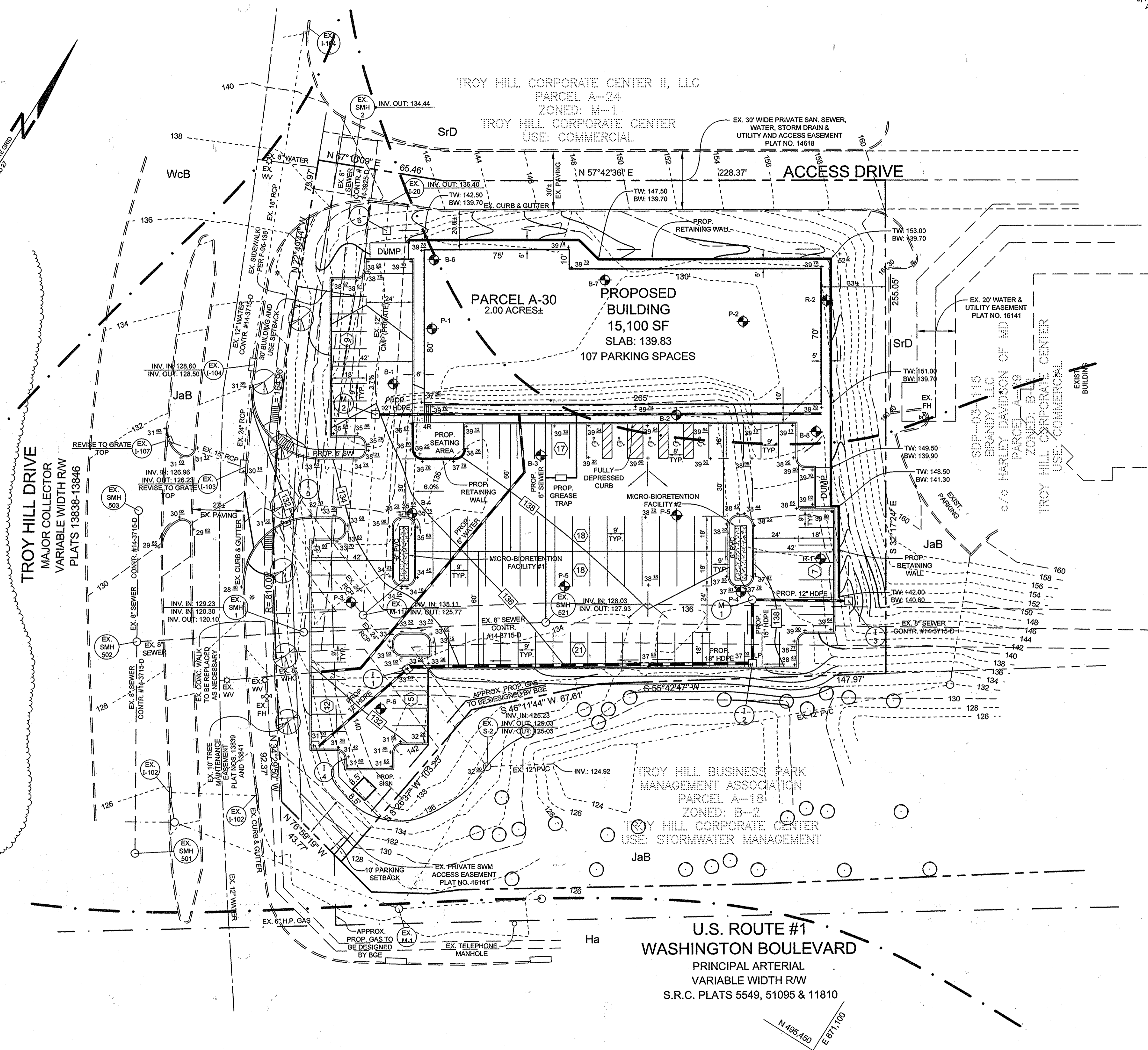
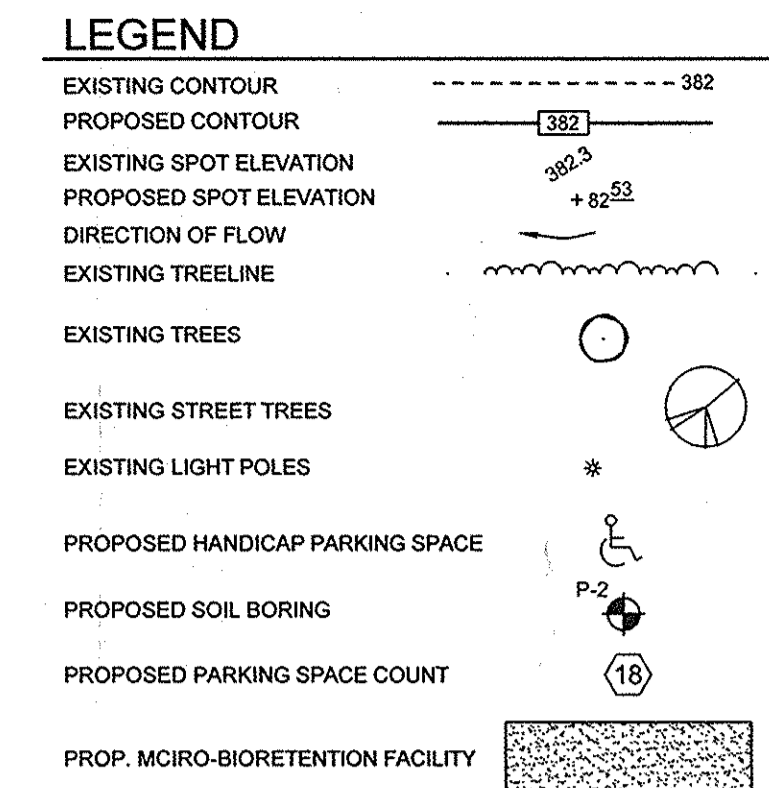
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 10-30-15  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 10-5-15  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
JaB	JACKLAND SILT LOAM, 3 TO 8 PERCENT SLOPES	D	0.37
SrD	SASSAFRAS AND CROON SOILS, 10 TO 16 PERCENT SLOPES	B	0.32

NOTES:  
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE; WEBB SOIL SURVEY.  
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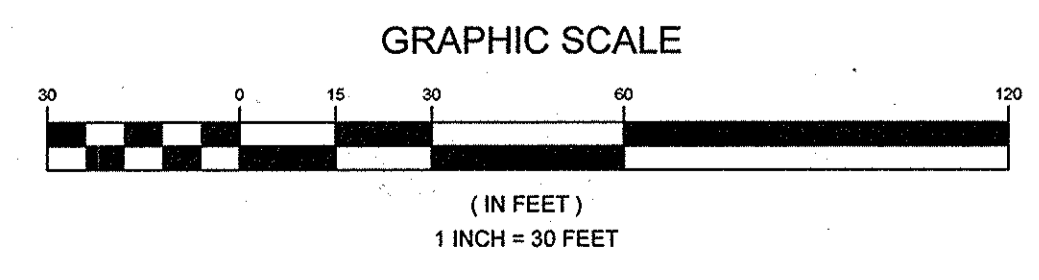


NOTES:  
 \* FOR ADDITIONAL INFORMATION, SEE THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 10-30-15  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION, NY DATE

*[Signature]* 10-5-15  
 CHIEF, DIVISION OF LAND DEVELOPMENT MM DATE



**OWNER/DEVELOPER**

TROY HILL SQUARE, LLC  
 c/o SERGIO ACLE  
 10132 BALTIMORE NATIONAL PIKE, SUITE A  
 ELLICOTT CITY, MD 21042  
 410.461.4400

**CONCEPTUAL GRADING PLAN**  
**TROY HILL CORPORATE CENTER**  
 PARCEL A-30

TAX MAP 37 GRID 18  
 1ST ELECTION DISTRICT

PARCEL 135  
 HOWARD COUNTY, MARYLAND

DESIGN BY: PS  
 DRAWN BY: PS  
 CHECKED BY: PS  
 SCALE: 1" = 30'  
 DATE: SEPTEMBER 25, 2015  
 PROJECT #: 14-013  
 SHEET #: 2 of 4

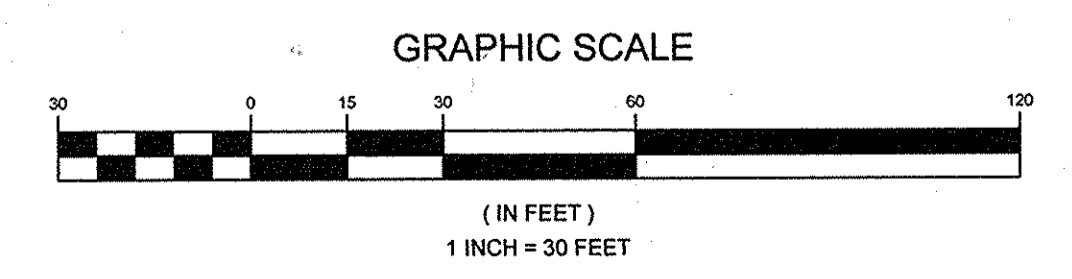
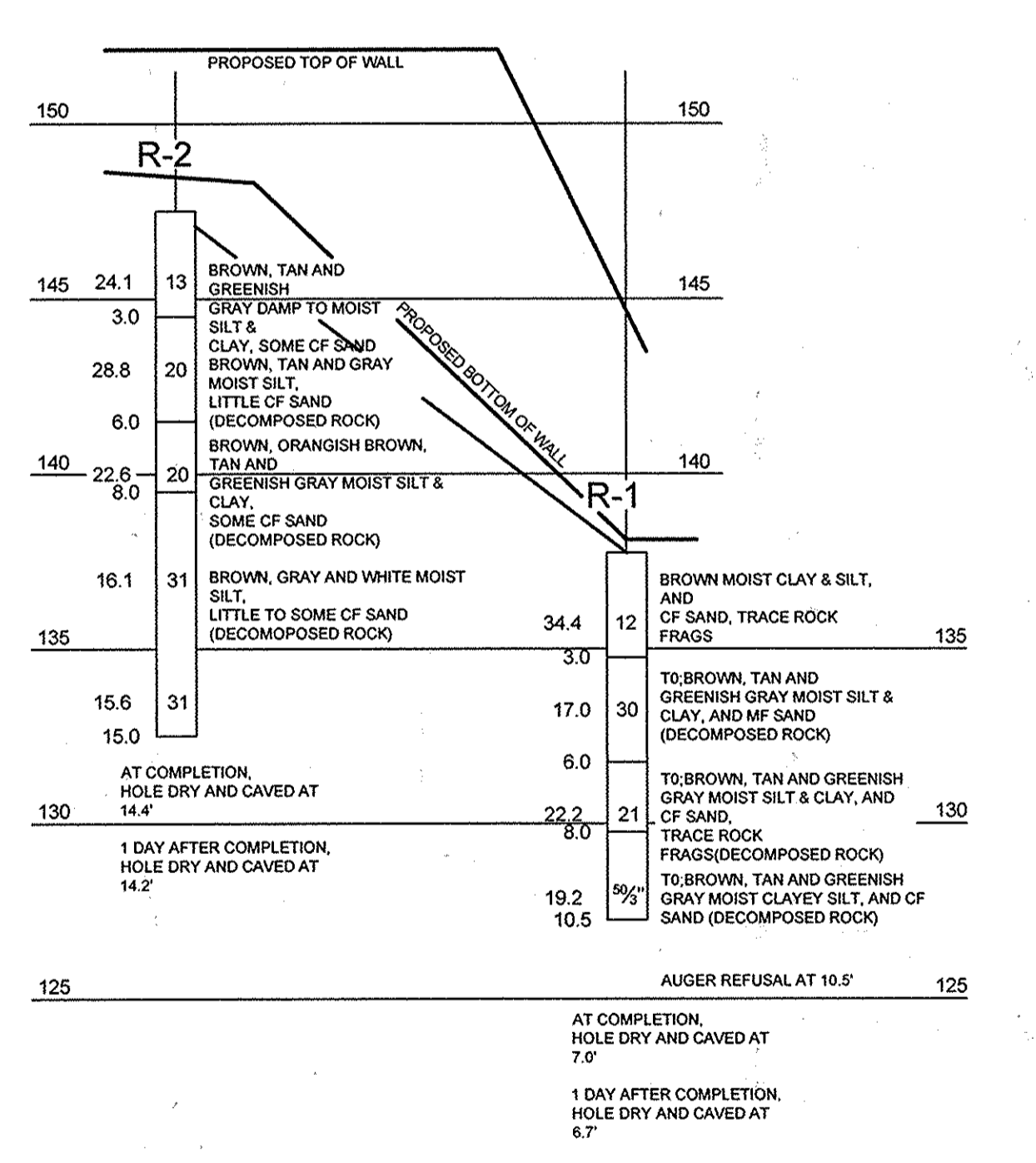
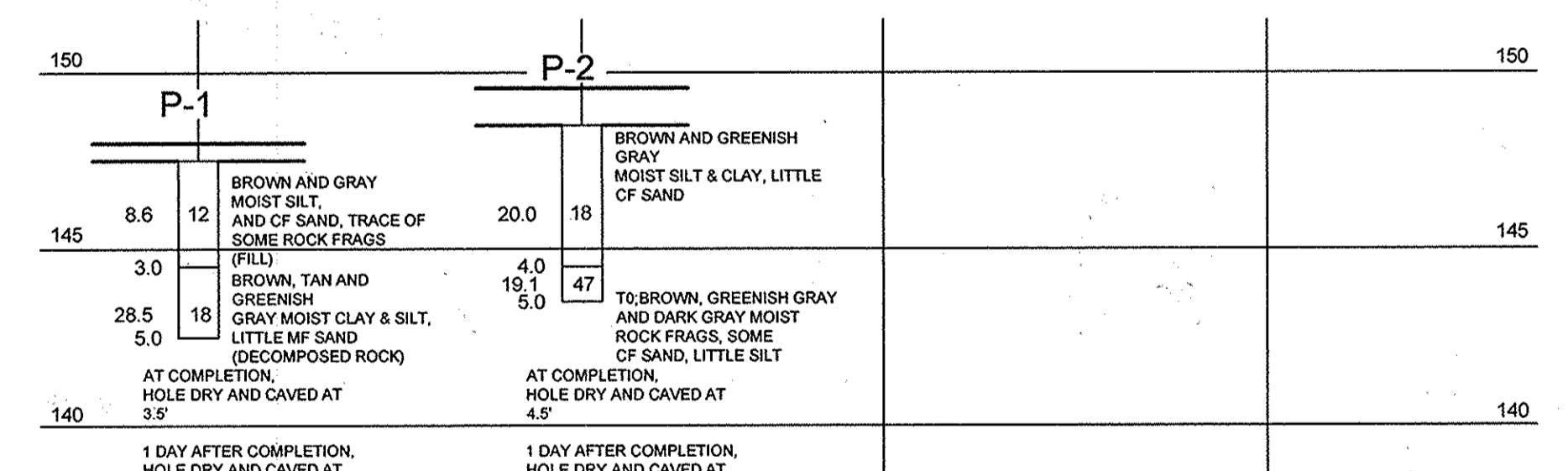
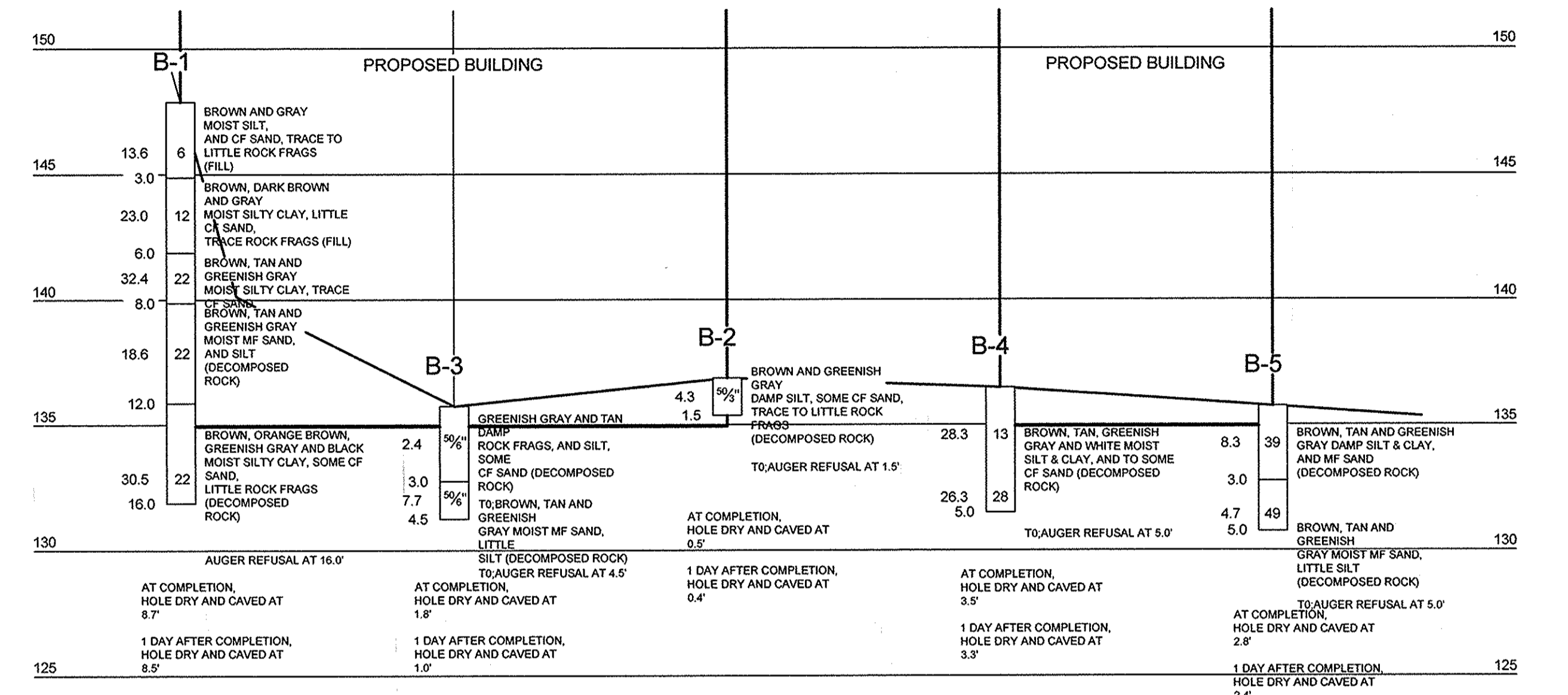
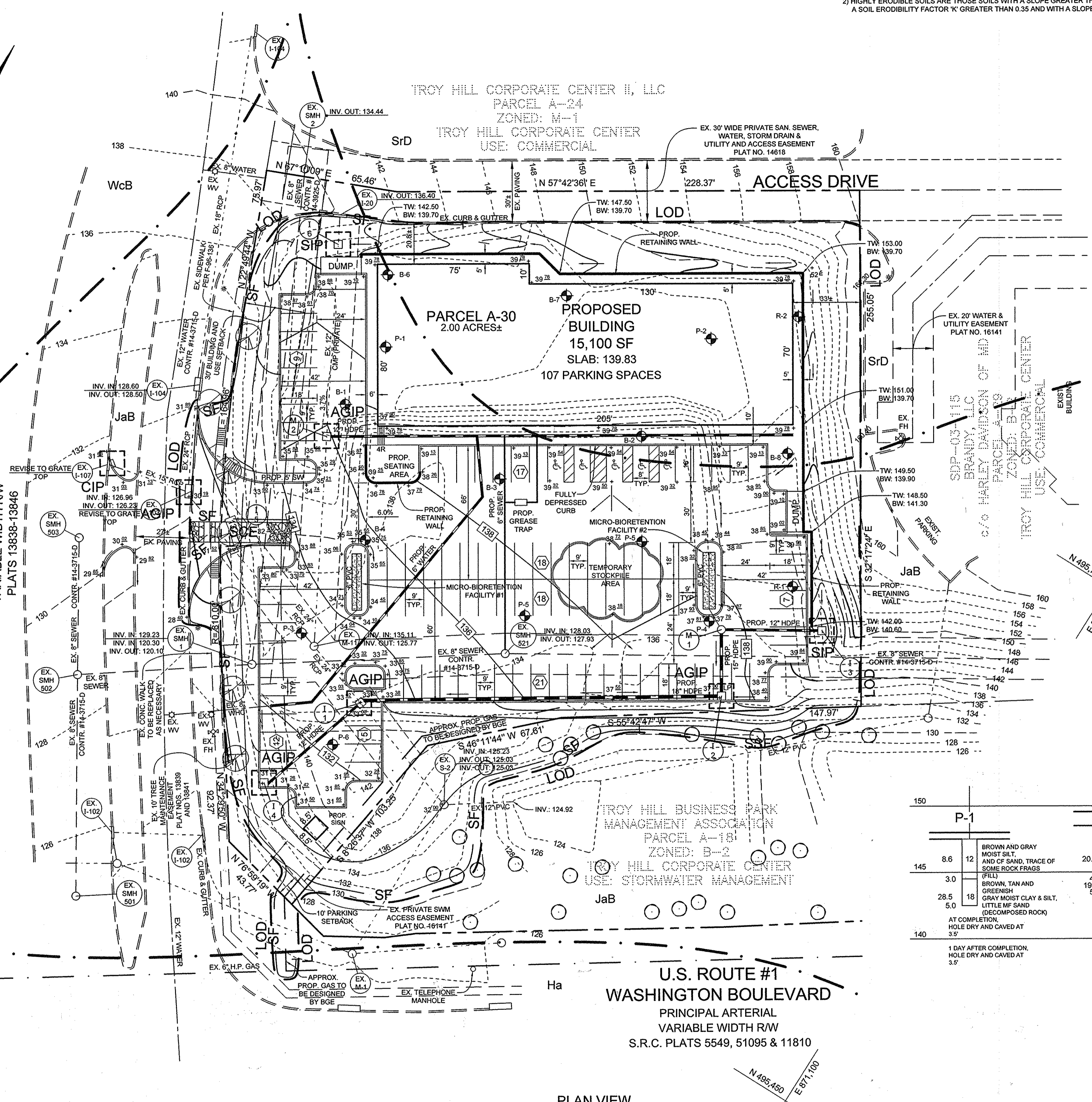
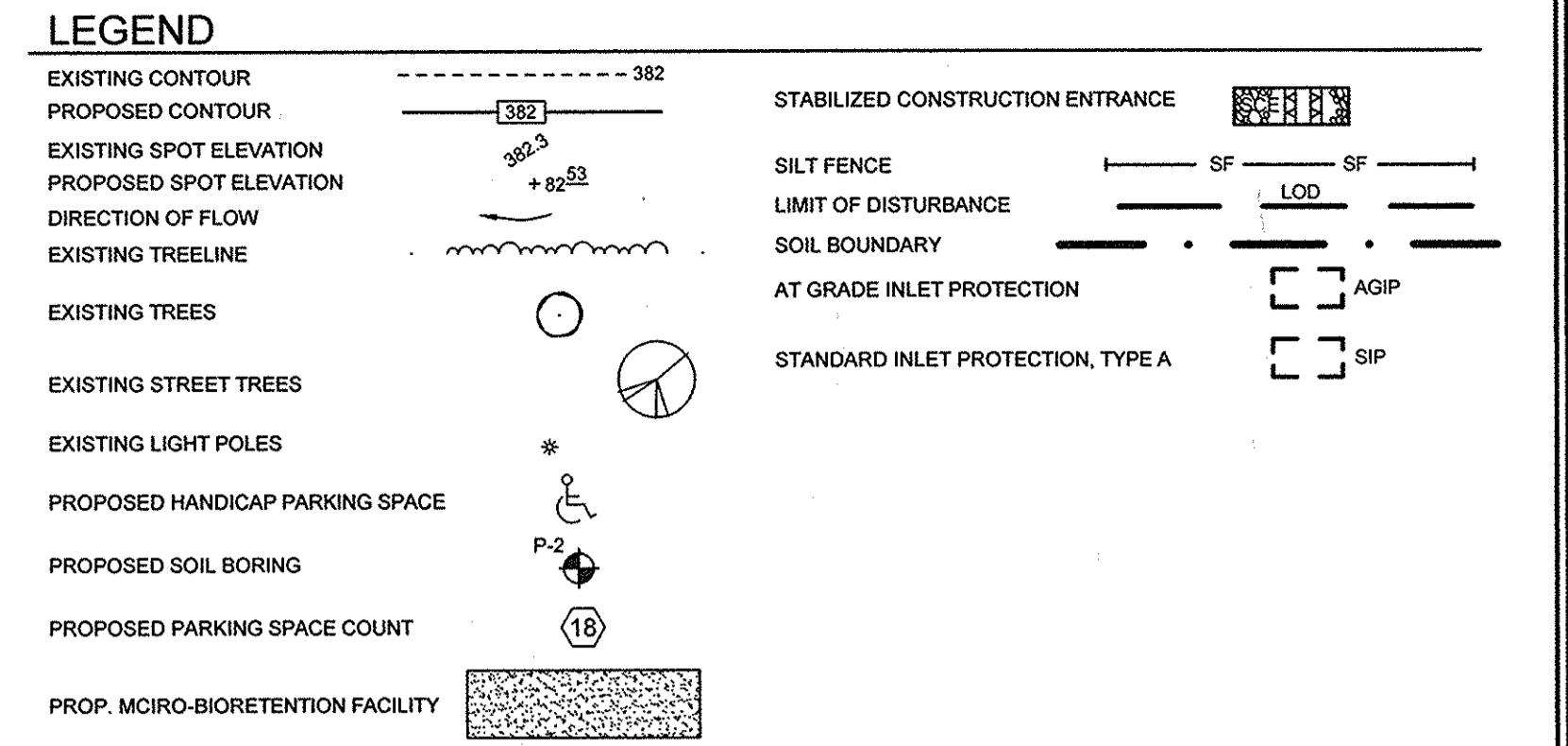
**SILL ENGINEERING GROUP, LLC**  
 11130 Dovedale Court, Suite 200  
 Marriottsville, Maryland 21104  
 Phone: 443-325-5076  
 Fax: 410-696-2022  
 Email: info@sillengineering.com  
 Civil Engineering for Land Development

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ECP-15-054

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	K' FACTOR
JMB	JACKLAND SILT LOAM, 3 TO 6 PERCENT SLOPES	D	0.37
SrD	SASSAFRAS AND LOAM SOILS, 10 TO 15 PERCENT SLOPES	B	0.32

NOTES:  
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PLAN VIEW  
SCALE: 1" = 30'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Chief, Development Engineering Division  
 DATE: 10-30-15  
 Chief, Division of Land Development  
 DATE: 10-5-15

BORING PROFILES  
NOT TO SCALE

OWNER/DEVELOPER  
 TROY HILL SQUARE, LLC  
 c/o SERGIO ACLE  
 10132 BALTIMORE NATIONAL PIKE, SUITE A  
 ELLICOTT CITY, MD 21042  
 410.461.4400

CONCEPTUAL SEDIMENT AND EROSION CONTROL PLAN AND BORING PROFILES  
 TROY HILL CORPORATE CENTER  
 PARCEL A-30

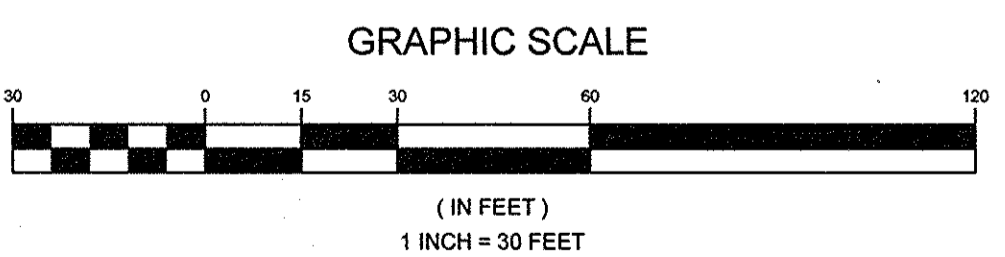
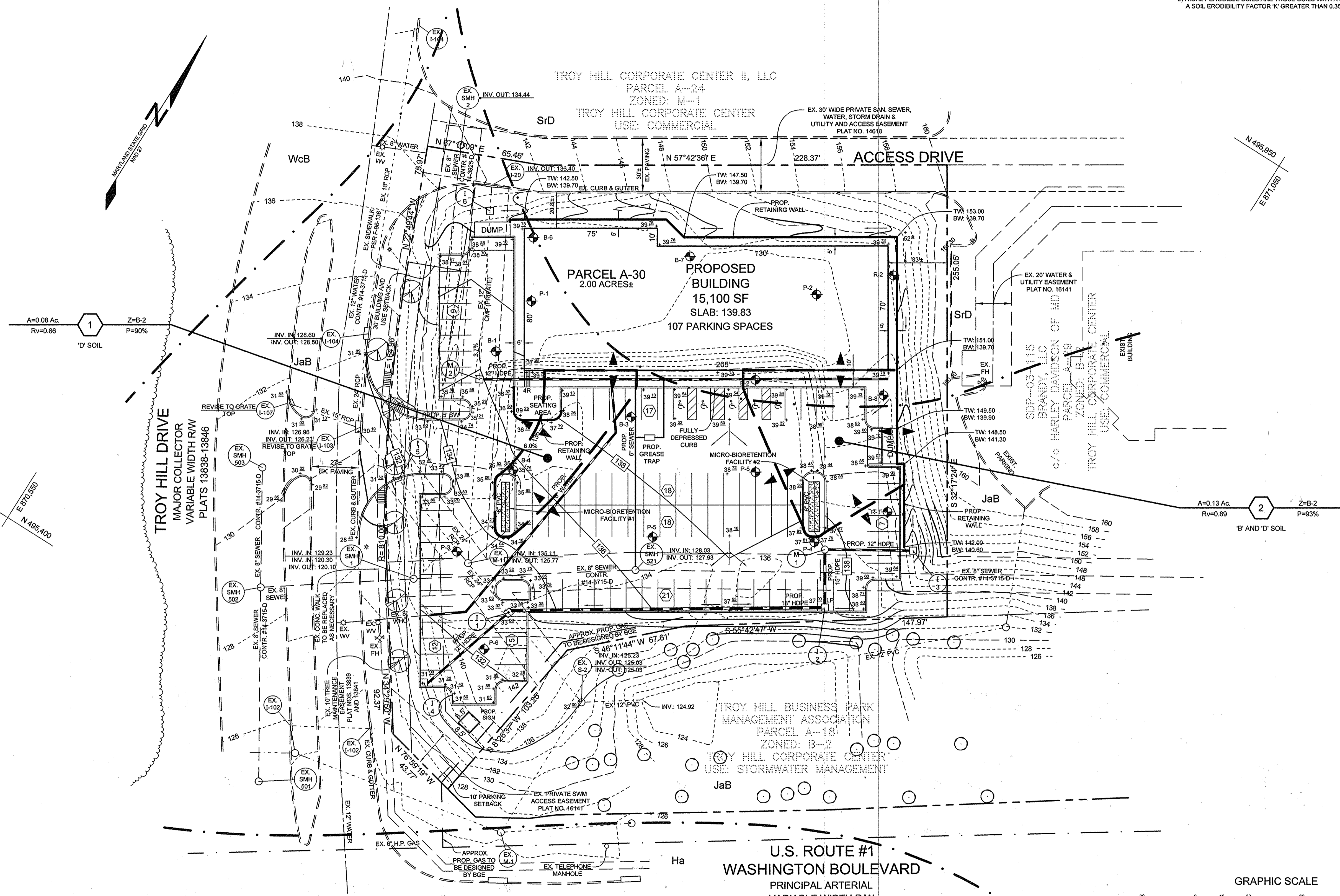
TAX MAP 37 GRID 18  
 1ST ELECTION DISTRICT  
 PARCEL 135  
 HOWARD COUNTY, MARYLAND

		DESIGN BY: PS DRAWN BY: PS CHECKED BY: PS SCALE: AS SHOWN DATE: SEPTEMBER 25, 2015 PROJECT #: 14-013 SHEET #: 3 of 4
	11130 Dovedale Court, Suite 200 Marriottsville, Maryland 21104 Phone: 443-325-5076 Fax: 410-696-0022 Email: info@sillengineering.com Civil Engineering for Land Development	
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SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
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LEGEND	
EXISTING CONTOUR	
PROPOSED CONTOUR	
EXISTING SPOT ELEVATION	
PROPOSED SPOT ELEVATION	
DIRECTION OF FLOW	
EXISTING TREELINE	
EXISTING TREES	
EXISTING STREET TREES	
EXISTING LIGHT POLES	
PROPOSED HANDICAP PARKING SPACE	
PROPOSED SOIL BORING	
PROPOSED PARKING SPACE COUNT	
PROP. MICRO-BIORETENTION FACILITY	
PROPOSED DRAINAGE DIVIDE	



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 [Signature] 10-30-15  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
 [Signature] 10-5-15  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

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 ELLICOTT CITY, MD 21042  
 410.451.4400

ENVIRONMENTAL SITE DESIGN  
 DRAINAGE AREA MAP  
 TROY HILL CORPORATE CENTER  
 PARCEL A-30

TAX MAP 37 GRID 18 PARCEL 135  
 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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 DATE: SEPTEMBER 25, 2015  
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SILL ENGINEERING GROUP, LLC  
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