CITY OF COLLEGE PARK

DEPARTMENT OF PUBLIC WORKS
EDMONSTON ROAD SIDEWALK IMROVEMENTS
FROM OLD CALVERT ROAD TO
THE NORTHERN CITY BOUNDARY

STANDARD STABILIZATION NOTE

STABILIZATION PRACTICES ON ALL PROJECTS MUST BE IN COMPLIANCE WITH THE REQUIREMENTS OF COMAR 26.17.1.08 G REGULATIONS BY JANUARY 9, 2013, REGARDLESS OF WHEN AN EROSION AND SEDIMENT CONTROL PLAN WAS APPROVED. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN: THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:L); AND SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

CERTIFICATE OF COMPLIANCE

I CERTIFY THAT THESE PLANS REPRESENT A PRACTICAL AND WORKABLE PLAN BASED UP ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PRINCE GEORGE'S COUNTY STORMWATER MANAGEMENT DESIGN MANUAL AND THE RELATED COUNTY PERMITS.

5/4/2022

GREGORY W. FILAR, P.E. — DATE

MD LICENSE #20762, EXPIRATION 3/8/2023

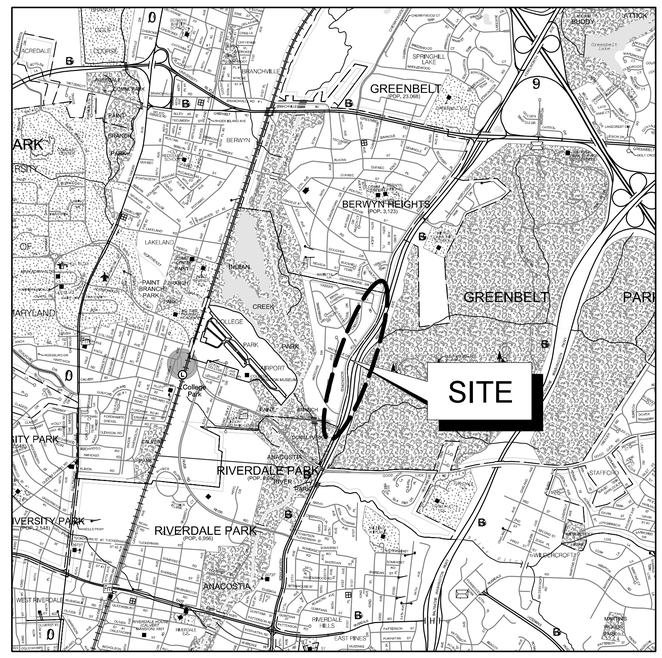
GENERAL PROJECT SITE NOTES:

1. PROJECT NAME: EDMONSTON ROAD SIDEWALK IMPROVEMENTS.
2. EXISTING ZONING: R-55 AND R-O-S.
3. 200' WSSC MAP: 209NE05, 208NE05.
4. TAX MAP/GRID: 34-B2, 34-A2, 34-A3, 34-A4.
5. AVIATION POLICY AREA: 6.
6. SWM CONCEPT NUMBER: 9211-2021-0.
7. CEMETERIES ON OR CONTIGUOUS TO PROPERTY: NONE OBSERVED BY SURVEY.
8. HISTORIC SITE ON OR IN THE VICINITY OF THE SITE: MARENKA HOUSE, LOT 1, BLOCK A, ID#66-076.
9. STREAMS AND WETLANDS: YES.
10. 100-YEAR FLOODPLAIN: NONE PER PGATLAS.
11. CHESAPEAKE BAY CRITICAL AREA: NONE PER PGATLAS.
12. SOURCE OF TOPOGRAPHY: GREENMAN-PEDERSEN, INC./GPI 1/8/2021.
13. APPLICANT:
    CITY OF COLLEGE PARK
    8400 BALTIMORE AVENUE, SUITE 375
    COLLEGE PARK, MD 20740
    240.487.3590
    ATTN.: STEVE HALPERN
14. EXISTING UTILITIES ARE SHOWN BASED ON A FIELD SURVEY. THE CONTRACTOR SHALL CONTACT MISS UTILITY FOR LOCATION OF UTILITIES. CALL 8-1-1 OR 1-800-257-7777 OR LOG ON TO WWW.CALL811.COM OR WWW.MISSUTILITY.NET 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY.
15. LIMIT OF DISTURBANCE = 2.48 AC.
16. WSSC WATER MAIN REPLACEMENT CONTRACT NO. BT6433A18.
17. EXISTING ROADWAY RELATED SIGNS TO BE REMOVED AND RELOCATED PER DIRECTION OF THE ENGINEER TO BE INCLUDED IN THE CLEARING AND GRUBBING PAY ITEM. BUS STOP SIGNAGE REMOVAL/RELOCATION TO BE PERFORMED BY THE WMATA.

INDEX OF DRAWINGS

SHEET NO.	DRAWING NAME	DPIE PLAN SET	PGSCD PLAN SET	DESCRIPTION
1	GN-01	X	X	TITLE SHEET
2	TS-01	-	-	ROADWAY TYPICAL SECTIONS
3-5	DS-01-03	-	-	ROADWAY DETAILS
6-7	GS-01-02	-	-	GEOMETRIC LAYOUT
8	GS-03	-	-	GEOMETRIC LAYOUT GRADING TABLE / SUMMARY OF EARTHWORK
9-13	PS-01-05	-	-	ROADWAY PLANS
14-18	HP-01-05	-	-	ROADWAY PROFILE (EXISTING)
19	DD-01	X	-	STORMWATER MANAGEMENT NOTES & DETAILS
20	DD-02	X	-	STORMWATER MANAGEMENT NOTES, DETAILS & DRAINAGE SCHEDULE
21	DD-03	X	-	DRAINAGE DETAILS
22-26	SW-01-05	X	-	STORMWATER MANAGEMENT PLANS
27-30	SD-01-04	X	X	STORM DRAIN DRAINAGE AREA MAPS
31-32	DP-01-02	X	-	BIOSWALE & STORMDRAIN PROFILES
33-37	FSC-01-05	-	X	EROSION & SEDIMENT CONTROL PLANS
38-40	FSC-06-08	-	X	EROSION & SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION (SOC) NOTES & DETAILS
41-42	FSC-09-10	-	X	EROSION & SEDIMENT CONTROL NOTES & DETAILS
43-44	SB-01-02	X	-	STORMWATER MANAGEMENT SOIL BORING LOGS
45	MT-01	-	-	MAINTENANCE OF TRAFFIC NOTES AND DETAILS
46	LD-01	X	-	BIOSWALE LANDSCAPING PLAN
47	LD-02	X	-	LANDSCAPING DETAILS
1-16	CS-01-16	-	-	ROADWAY CROSS SECTIONS

MARYLAND COORDINATE SYSTEM
NAD83 (2011) DATUM NAVD88



VICINITY MAP
SCALE: 1" = 2,000'

PRINCE GEORGE'S COUNTY MAP
5410 GRID D-4 AND E-3

2000' 0 2000' 4000'
SCALE: 1" = 2000'

UTILITY CERTIFICATION

I HEREBY CERTIFY THAT THE EXISTING AND /OR PROPOSED UNDERGROUND UTILITY INFORMATION SHOWN HERON HAS BEEN CORRECTLY DUPLICATED FROM UTILITY COMPANY RECORDS, FURTHER, THAT THIS PROJECT HAS BEEN CAREFULLY COORDINATE WITH EACH INVOLVED UTILITY COMPANY, AND ALL AVAILABLE UNDERGROUND UTILITY INFORMATION RELATIVE TO THIS PLAN HAS BEEN SOLICITED FROM THEM.

5/4/2022

GREGORY W. FILAR, P.E. — DATE

MD LICENSE #20762, EXPIRATION 03/08/2023

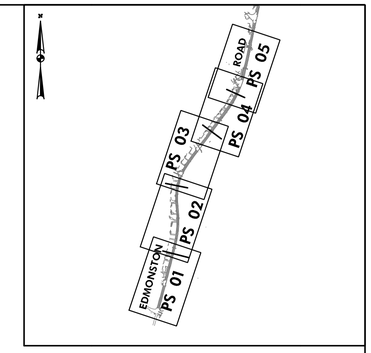
SUBTITLE 32, DIVISION 2 CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN CONFORMS TO THE REQUIREMENTS OF SUBTITLE 32, DIVISION 2 OF THE CODE OF PRINCE GEORGE'S COUNTY WATER RESOURCES PROTECTION AND GRADING CODE; AND THAT I OR MY STAFF HAVE INSPECTED THIS SITE AND THAT DRAINAGE FLOWS FROM UPHILL PROPERTIES ONTO THIS SITE, AND FROM THIS SITE ONTO DOWNHILL PROPERTIES, HAVE BEEN ADDRESSED IN SUBSTANTIAL ACCORDANCE WITH APPLICABLE CODES. AND SIGNED, SEALED AND DATED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND.

5/4/2022

GREGORY W. FILAR, P.E. — DATE

MD LICENSE #20762, EXPIRATION 3/8/2023



ROADWAY PLAN KEY

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

Conditions of Approval

The above approval is conditioned upon the following:

- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.
- Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.
- **This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.**

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

Gregory Filar Digitally signed by Gregory Filar Date: 2022.11.17 09:21:37 -05'00'

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

www.gpinet.com
GPI
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE: TITLE SHEET

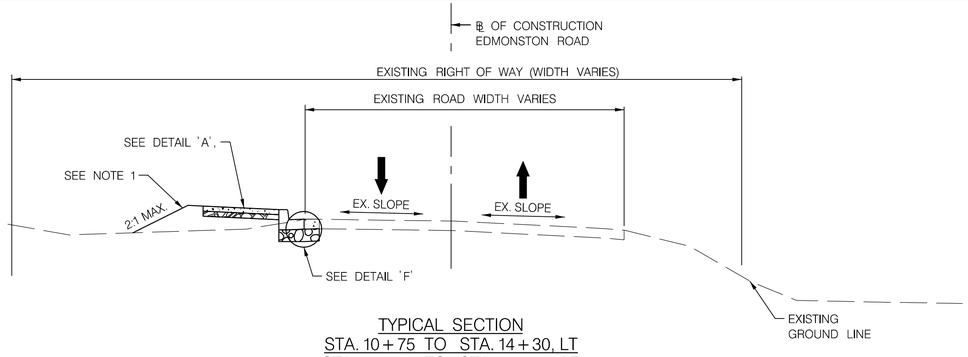
PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL: STATE OF MARYLAND — GREGORY W. FILAR — No. 20762 — REGISTERED PROFESSIONAL ENGINEER — 5/4/2022

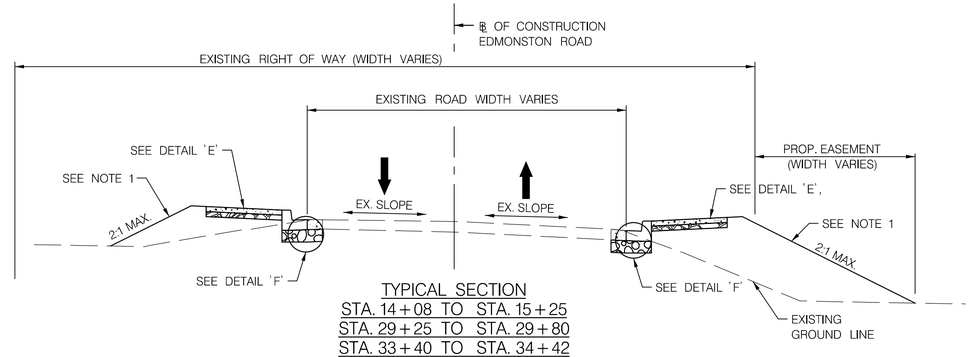
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: AS SHOWN
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
GN-01	1 OF 47

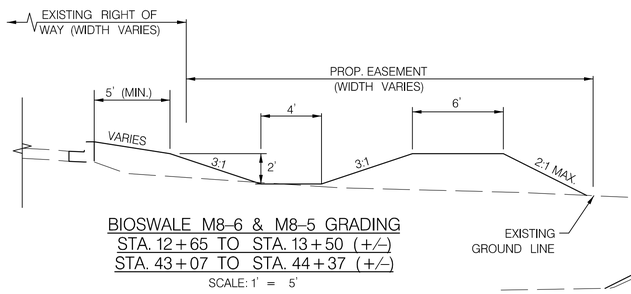
PLOTTED: Wednesday, May 04, 2022 AT 11:01 AM
FILE: \\ursafs\projects\JOB\2019063.00 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\dwg\TS_Edmonstondgn



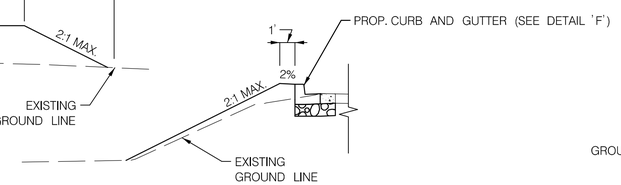
TYPICAL SECTION
STA. 10+75 TO STA. 14+30, LT
STA. 43+00 TO STA. 43+40, LT
STA. 43+75 TO STA. 48+65, LT
SCALE: 1" = 5'



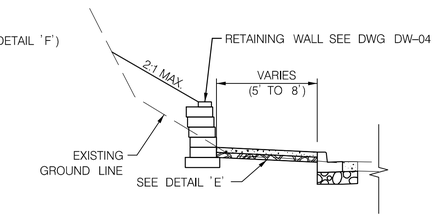
TYPICAL SECTION
STA. 14+08 TO STA. 15+25
STA. 29+25 TO STA. 29+80
STA. 33+40 TO STA. 34+42
STA. 42+77 TO STA. 43+00
SCALE: 1" = 5'



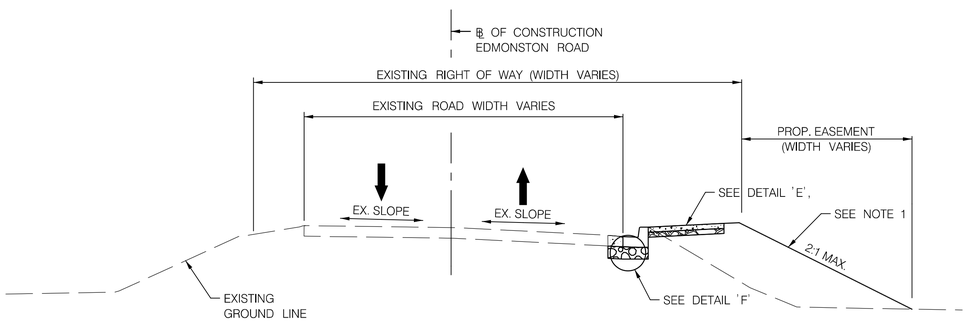
BIOSWALE M8-6 & M8-5 GRADING
STA. 12+65 TO STA. 13+50 (+/-)
STA. 43+07 TO STA. 44+37 (+/-)
SCALE: 1" = 5'



TYPICAL SECTION
STA. 28+25 TO STA. 28+80
SCALE: 1" = 5'

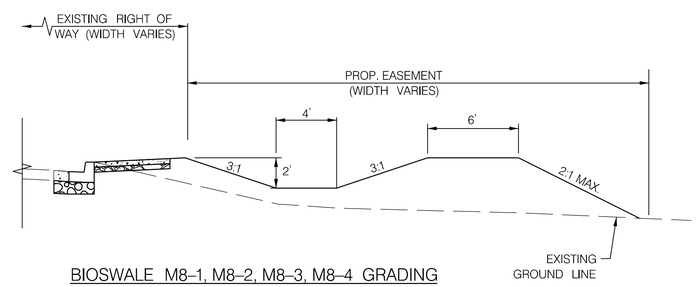


TYPICAL SECTION
STA. 15+00 TO STA. 15+25
SCALE: 1" = 5'



TYPICAL SECTION
STA. 15+25 TO STA. 29+25, RT
STA. 29+80 TO STA. 33+40, RT
STA. 34+42 TO STA. 42+77, RT
SCALE: 1" = 5'

NOTE: 1. ROADSIDE AREAS TO BE STABILIZED WITH 4" TOP SOIL, TURFGRASS ESTABLISHMENT. SLOPE AREAS ALONG THE EAST SIDE SHALL ALSO INCLUDE SOIL STABILIZATION MATTING PLACEMENT.
2. FOR DETAILS NOTED, REFER TO DWG NO. DS-01



BIOSWALE M8-1, M8-2, M8-3, M8-4 GRADING
STA. 15+95 TO STA. 17+14 (+/-)
STA. 20+70 TO STA. 22+60 (+/-)
STA. 26+12 TO STA. 27+02 (+/-)
STA. 38+30 TO STA. 39+80 (+/-)
SCALE: 1" = 5'

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland
Lot(s), Block(s) and Parcel(s):
Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

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- **This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.**

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20762
EXPIRATION DATE: 3/8/2023.

Gregory Filar

Digitally signed by Gregory Filar
Date: 2022.11.17 09:47:12 -05'00'

SEAL:

5/4/2022

REVISIONS	DATE

OWNER/ DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

GPI
www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

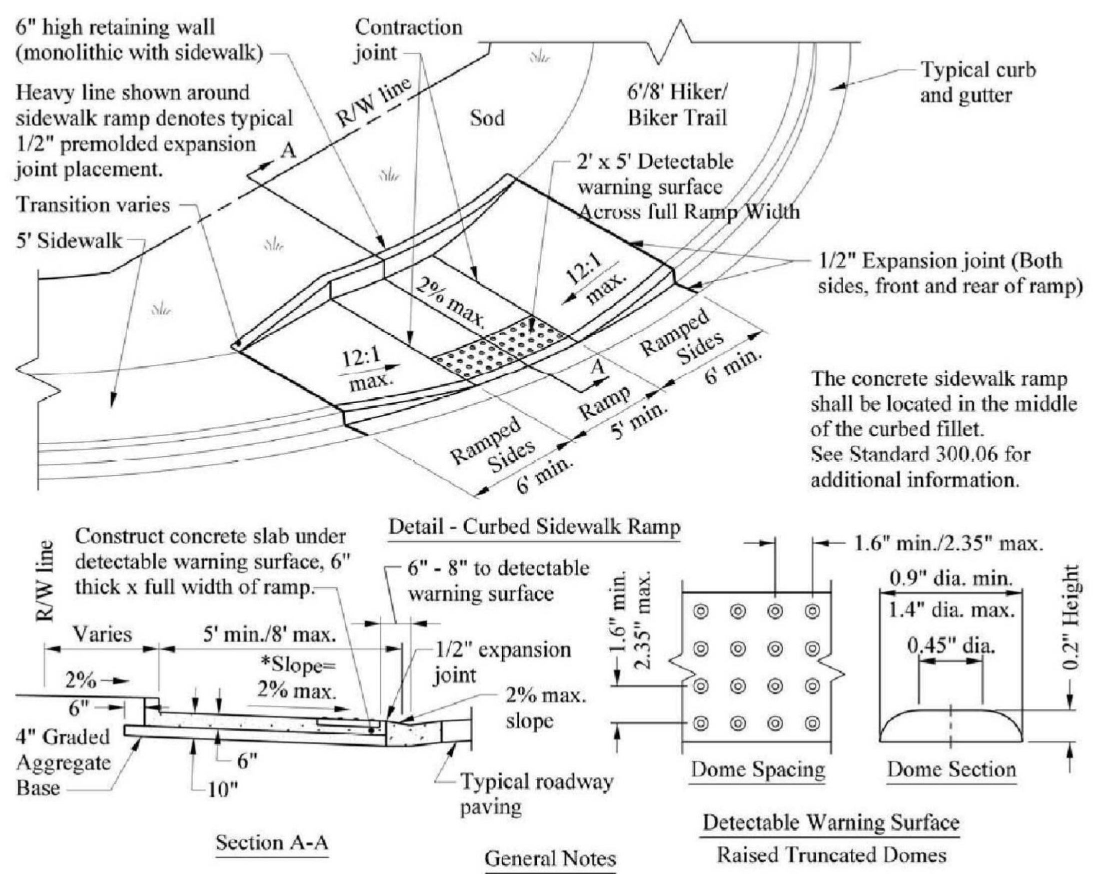
DRAWING TITLE: ROADWAY TYPICAL SECTIONS

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 5'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
TS-01	2 OF 47

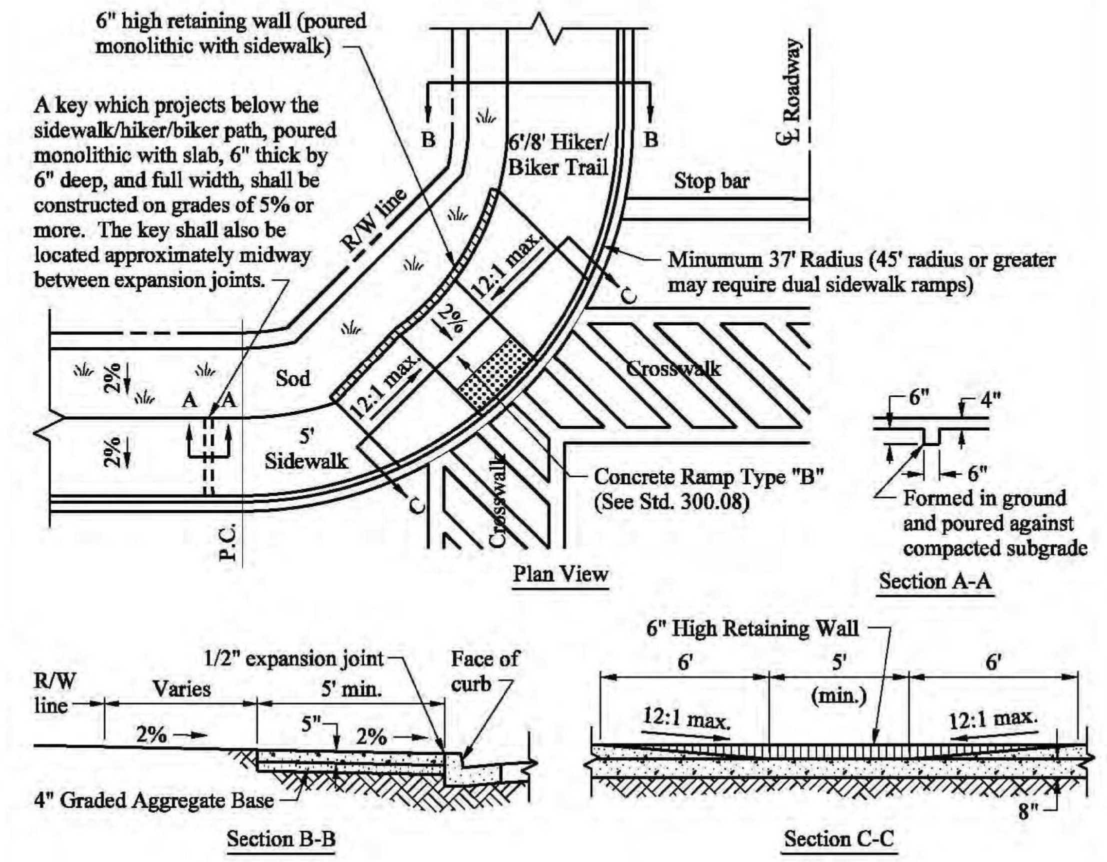
PLOTTED: Wednesday, May 04, 2022 AT 11:01 AM
FILE: \\vhost\c\Projects\2019\2019063.03 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\pn15-0000_Edmonston.dgn



General Notes

1. All new concrete sidewalk ramps and depressed curbs constructed within the County right-of-way shall comply with the Federal accessibility guidelines of the Americans with Disabilities Act. See Standard 300.01 for depressed curb requirements.
2. All sidewalk ramps and their approaches shall be designed and constructed so that water will not accumulate on walking surfaces.
3. The sidewalk ramp shall be constructed with the least possible running slope not to exceed 12:1.
4. All concrete shall be class 1 (MSHA Mix No. 3) air-entrained unless otherwise approved by the Department. The surface shall be broom finished.
5. Provide 4" thick graded aggregate base material under all concrete sidewalk and sidewalk ramps.
6. Detectable warning surface shall be 1" thick (hollow tile) diamond-hard vitrified polymer material, embedded into concrete with truncated dome pattern as specified above, and shall contrast visually with the adjacent surface (either dark-on-light or light-on-dark.) Color requirements: Use brick red panel with brick crosswalk and dark gray panel at all other locations.
7. Detectable warning surface shall be installed 6 to 8 inches behind the curb line, extend two feet in the direction of travel over the full width of the ramp, and shall be embedded so as to be flush with the surrounding surface.
8. FOR SKEWED APPLICATIONS DETECTABLE WARNING SHALL BE PLACED SUCH THAT THE DOMES CLOSEST TO THE BACK OF THE CURB ARE NO LESS THAT 0.5" AND NO MORE 3.0" FROM THE BACK OF CURB. TRUNCATED DOME SURFACES SHALL BE FABRICATED TO PROVIDE FULL DOMES ONLY

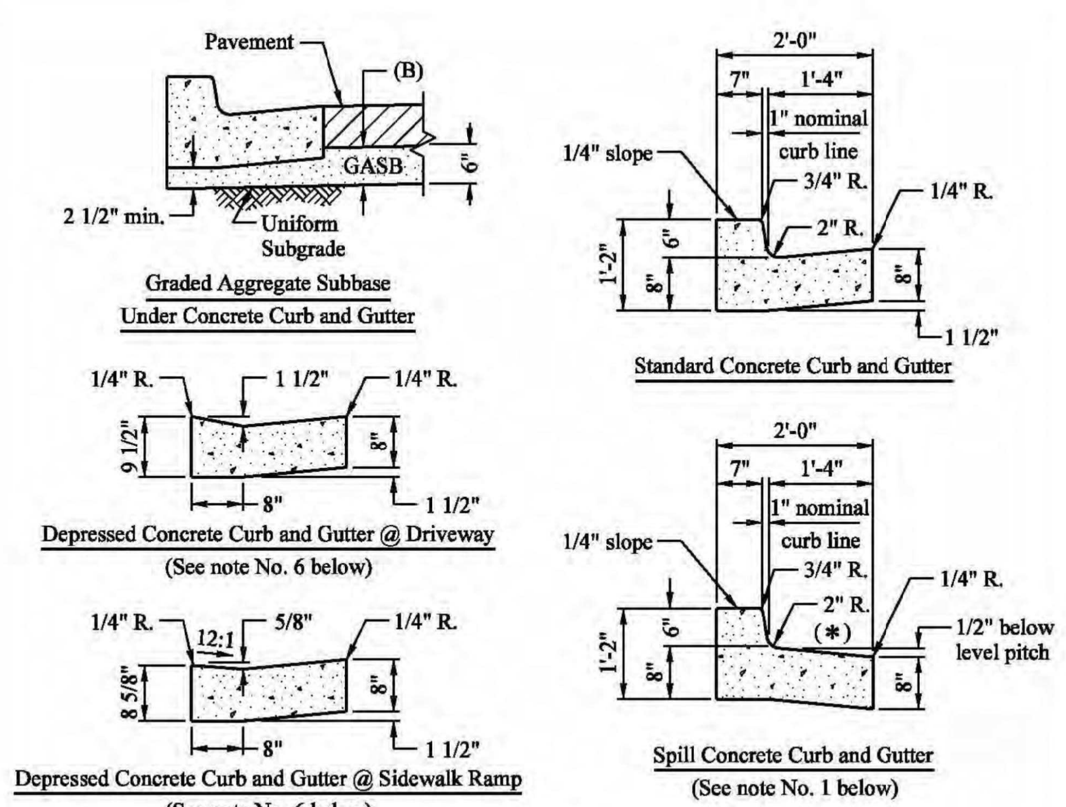
APPROVED:		DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION Prince George's County, MD	
DIRECTOR	DATE		
REVISION DATE:	APPROVED BY:	Concrete Sidewalk Ramp Type "B"	STD. 300.08



General Notes

1. All new concrete sidewalks, sidewalk ramps, depressed curbs and hiker/biker trails constructed within the County right-of-way shall comply with the Federal accessibility guidelines of the Americans with Disabilities Act.
2. All new sidewalks and hiker/biker trails abutting sidewalk ramps within fillet areas, having a fixed obstruction not to include utility poles, shall be adjusted to provide a minimum clearance of 36".
3. All contraction joints in concrete sidewalks shall be constructed at 4'-0" intervals and 6'-0" or 8'-0" intervals for hiker/biker trails unless approved otherwise by the Department. The contraction joints are to be constructed to a depth equal to 1/4 of the total depth of the sidewalk/hiker/biker trail. Premolded 1/2" thick expansion joints shall also be constructed at 50' intervals, between the curb and sidewalk/hiker/biker trail, at sidewalk ramps, driveways, leadwalks, poles, or other permanent structures.
4. Provide 4" thick graded aggregate base material under all concrete sidewalk and hiker/biker trails.
5. All concrete shall be Class I (MSHA Mix No. 3), air entrained, unless otherwise approved by the Department. The surface shall be broom finished.

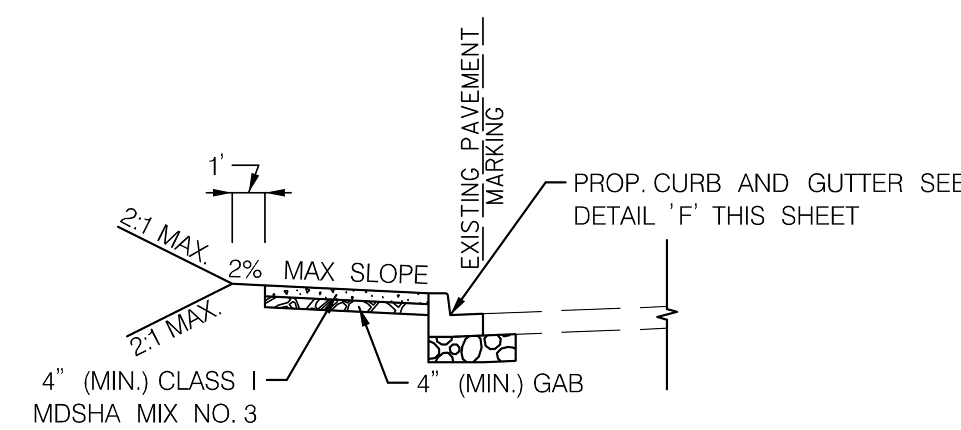
APPROVED:		DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION Prince George's County, MD	
DIRECTOR	DATE		
REVISION DATE:	APPROVED BY:	Concrete Sidewalk at Curb and Ramp Location	STD. 300.06



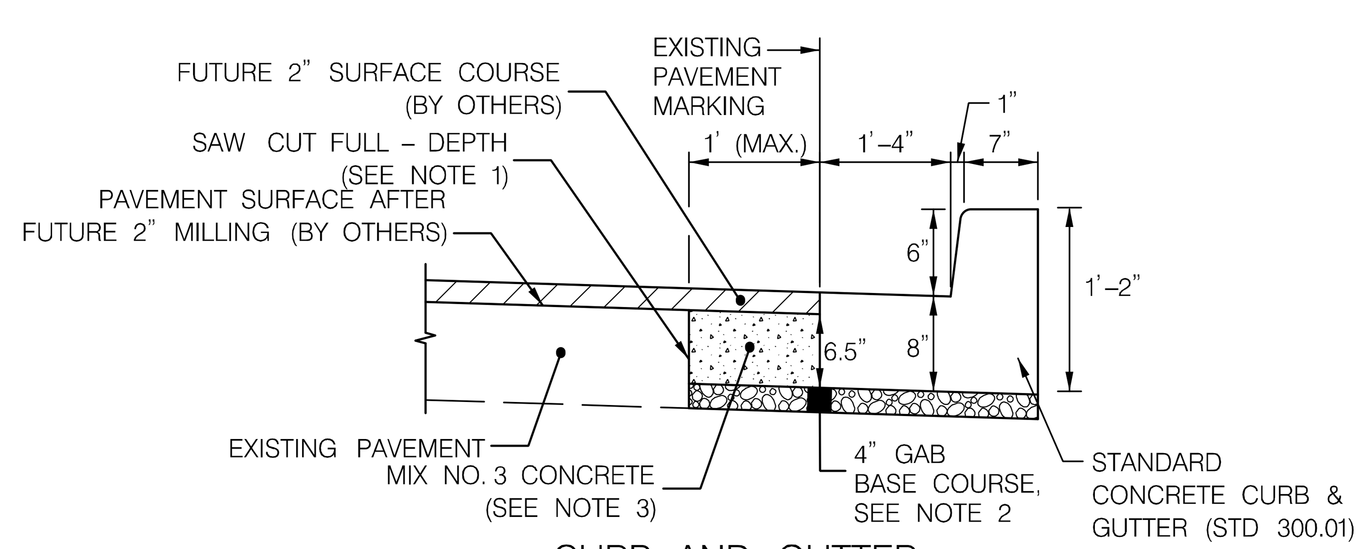
General Notes

1. Use of spill concrete curb and gutter requires special Departmental approval, except for "Urban Major Collector Road" design.
2. The slope (*) of a spill concrete curb and gutter pan shall be equal to the cross slope of roadway paving.
3. Install expansion joints using 1/2" preformed non-extruding joint filler, at 100' intervals, at the beginning and end of curves with less than 100' radii, at structures, and at midpoints of curb returns.
4. All construction joints shall be located at 10' intervals. The contraction joints shall be constructed to a depth equal to 1/4 of the depth of the thickness of the concrete.
5. All concrete shall be Class I (MSHA Mix No. 3) air-entrained, unless otherwise approved by the Department. The surface shall be brush finished.
6. The depressed concrete curb and gutter sections shall be used at all driveway aprons and sidewalk ramps.
7. Preformed joint fillers shall conform to M 153. The bituminous fiber type joint shall conform to M 213, with the bitumen content determined using T 164.
8. Granite curb and gutter may be required under certain conditions.
9. Provide uniform subgrade under entire roadway section.
10. All new construction within the County right-of-way shall comply with Federal accessibility guidelines of the Americans with Disabilities Act and Fair Housing regulations.

APPROVED:		DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION Prince George's County, MD	
DIRECTOR	DATE		
REVISION DATE:	APPROVED BY:	Concrete Curb and Gutter	STD. 300.01



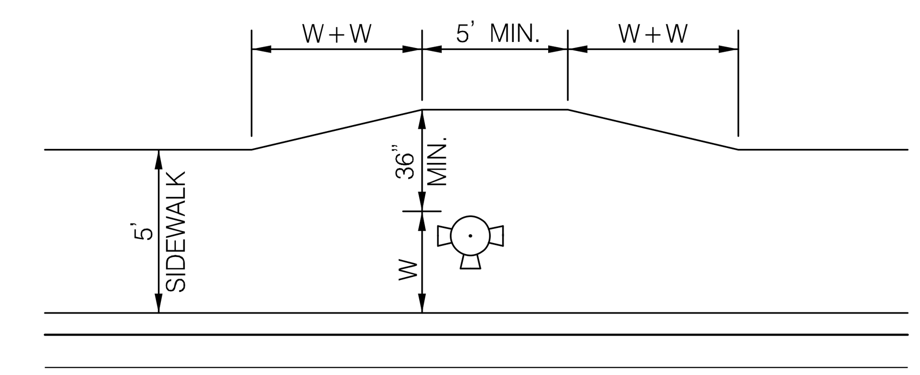
5' SIDEWALK AND CURB AND GUTTER
DETAIL 'E'
NOT TO SCALE



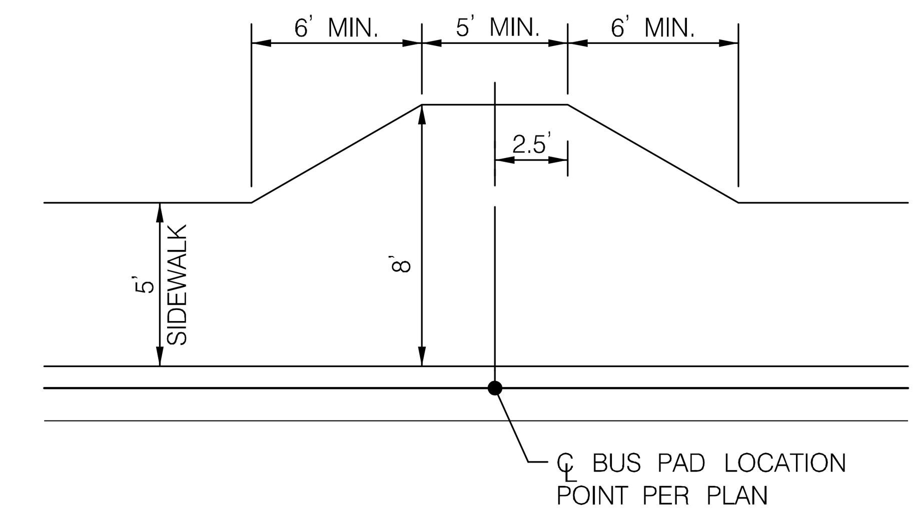
CURB AND GUTTER
DETAIL 'F'
NOT TO SCALE

COST OF SAW CUTTING TO BE INCIDENTAL TO CURB & GUTTER PAY ITEM.
GRADED AGGREGATE BASE BELOW CURB SHALL BE INCIDENTAL TO THE CURB AND GUTTER PAY ITEM.
THIS 1' WIDTH (MAXIMUM) EXCAVATION TO BE USED FOR CURB AND GUTTER FORM PLACEMENT. THE ADDITIONAL WIDTH IS TO BE FILLED WITH PCC MIX NO. 3 CONCRETE TO THE BOTTOM OF THE FINAL ASPHALT MIX COURSE. PAYEMENT SHALL BE INCIDENTAL TO THE LINEAR FOOT ITEM FOR CURB AND GUTTER. JOINTS SHALL MATCH THOSE OF THE CURB AND GUTTER.

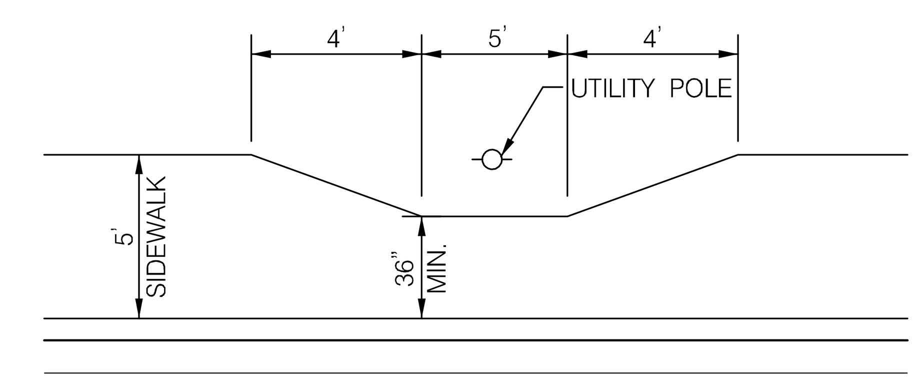
NOTE: W REPRESENTS DISTANCE FROM BACK OF CURB TO BACK OF FIRE HYDRANT OR UTILITY POLE



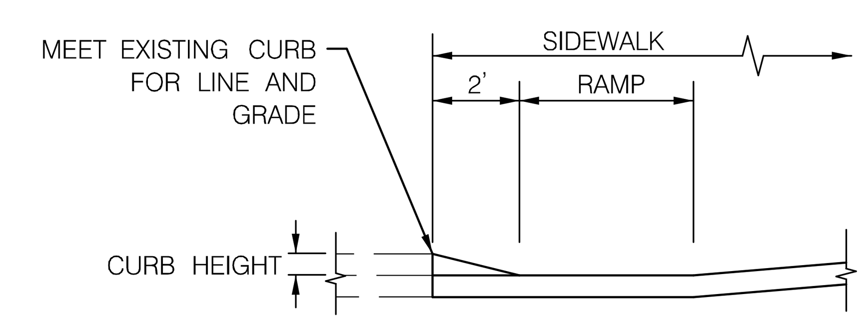
SIDEWALK PASSING ZONE DETAIL
DETAIL 'A'
NOT TO SCALE



BUS PAD DETAIL
DETAIL 'B'
NOT TO SCALE



SIDEWALK PINCH ZONE DETAIL
DETAIL 'C'
NOT TO SCALE



SIDEWALK/PEDESTRIAN RAMP TERMINATION GRADE TIE–IN
DETAIL 'D'
NOT TO SCALE

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REVISIONS | DATE

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
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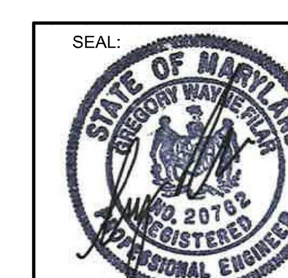
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
ROADWAY DETAILS

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:

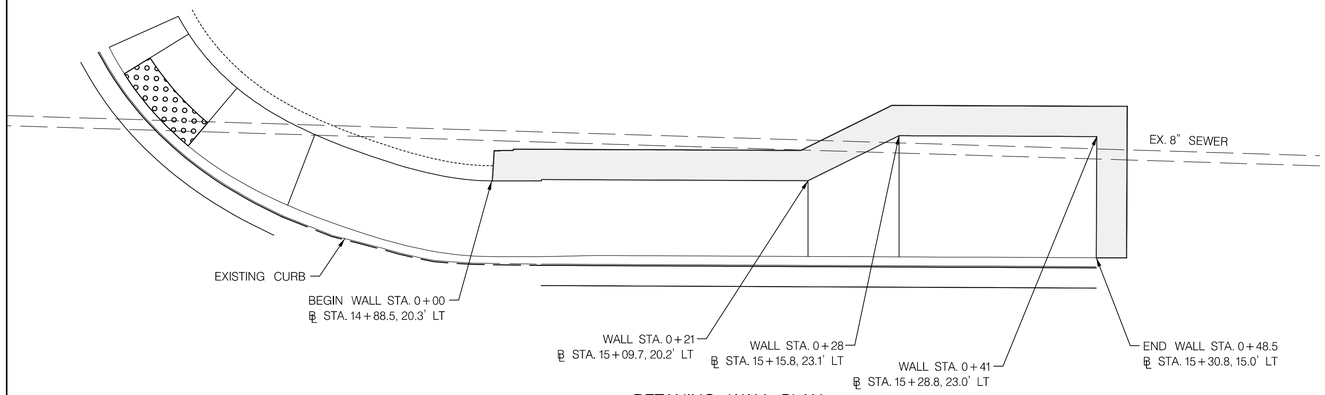


5/4/2022

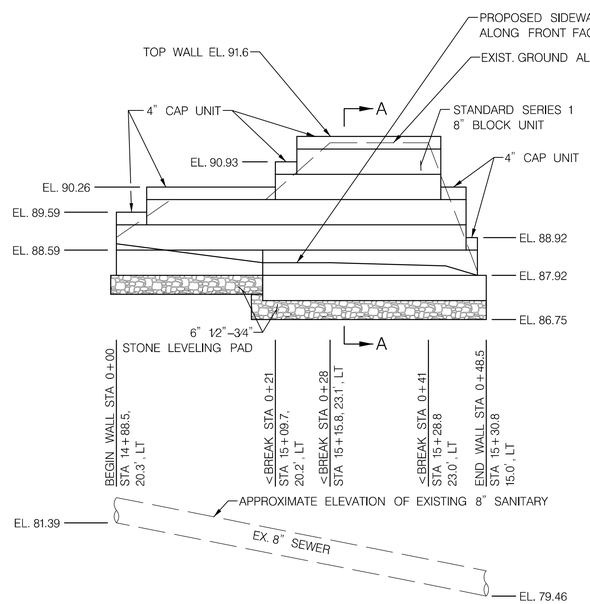
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: NTS
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
DS-01	3 OF 47

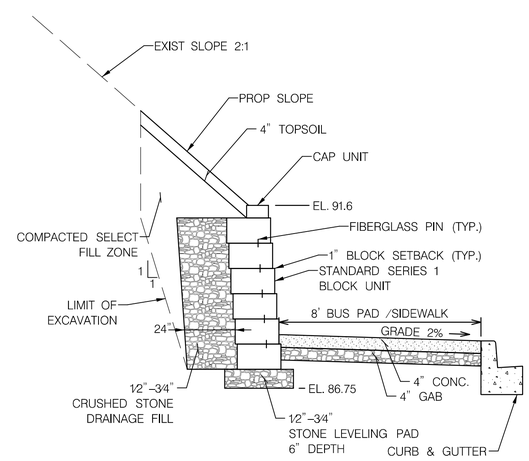
PLOTTED: Wednesday, May 04, 2022 AT 11:01 AM
FILE: \\md1fs4v\Projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 – Edmonston Road Sidewalk Project\CADD\pHT-X002_Edmonston.dgn



RETANING WALL PLAN
SCALE: 1' = 5'

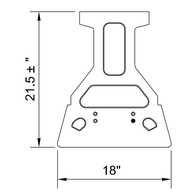


PROPOSED RETAINING WALL
ELEVATION ALONG FACE OF WALL
SCALE: HORIZONTAL 1" = 10'
VERTICAL 1" = 2'



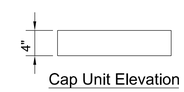
SECTION A-A
SCALE: HORIZONTAL 1" = 3'
VERTICAL 1" = 2'

Standard Elevation

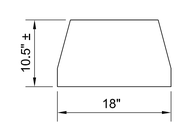


Standard Plan

Standard Unit
NOT TO SCALE



Cap Unit Elevation



Cap Unit Plan

Straight Split
Cap Unit Option
NOT TO SCALE

NOTES: 1. THE DETAILS SHOWN ARE RELATED TO A "DRYSTONE" TYPE OF RETAINING WALL AND ARE FOR INFORMATIONAL AND BIDDING COSTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE THE FINAL WALL TYPE AND ENGINEERING DESIGN AND CERTIFICATION. THE RETAINING WALL ENGINEERED PLANS SHALL BE SUBMITTED TO THE PRINCE GEORGE'S COUNTY DEPT. OF PERMITTING, INSPECTIONS AND ENFORCEMENT (DPIE) FOR REVIEW, APPROVAL AND SECURING OF REQUIRED BUILDING PERMIT.

2. RETAINING WALL HEIGHT IS GREATER THAN 2' AND WILL REQUIRE A BUILDING PERMIT ISSUED BY DPIE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE REQUIRED PERMIT.

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SEAL:
STATE OF MARYLAND
GREGORY WAYNE WHITE
No. 20762
REGISTERED
PROFESSIONAL ENGINEER
5/4/2022

DATE	REVISIONS

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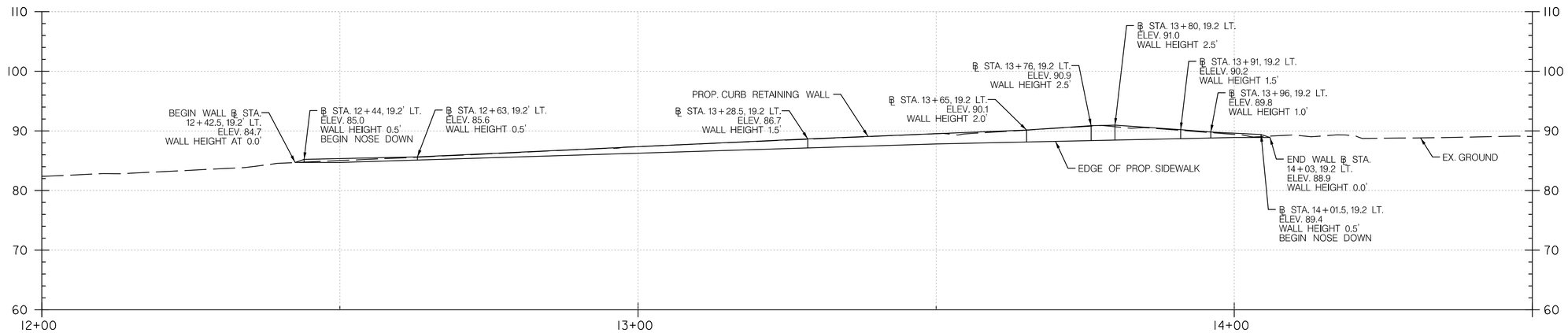
DRAWING TITLE
ROADWAY DETAILS

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: NTS
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
DS-03	4 OF 47

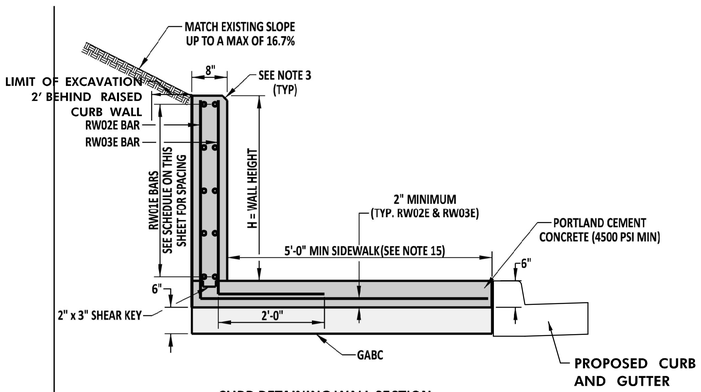
PLOTTED: Wednesday, May 04, 2022 AT 11:02 AM
FILE: \\vhost\ul\Projects\2019\2019063.07 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk\Project\CADD\pnt\ds003_2_Elevation.dgn



CURB RETAINING WALL ELEVATION ALONG FACE OF WALL

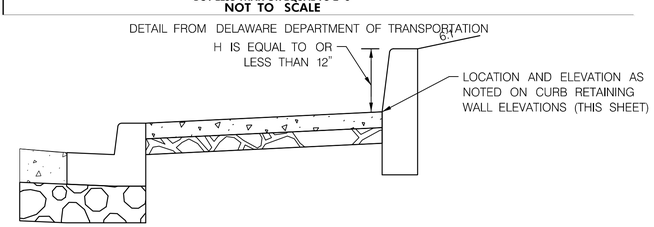
SCALE 1" = 10'

WALL HEIGHT (H)	TOEWALL DEPTH (T)	REQUIRED TRANSVERSE REINFORCEMENT	REQUIRED LONGITUDINAL REINFORCEMENT
GREATER THAN 12" TO 2'-6"	NO TOEWALL NEEDED	#4 BARS @ 6" (RW02E, & RW03E)	#4 BARS @ 12" (RW01E & TW01E)



CURB RETAINING WALL SECTION
FOR HEIGHTS GREATER THAN 12" BUT LESS THAN OR EQUAL TO 2'-6"
NOT TO SCALE

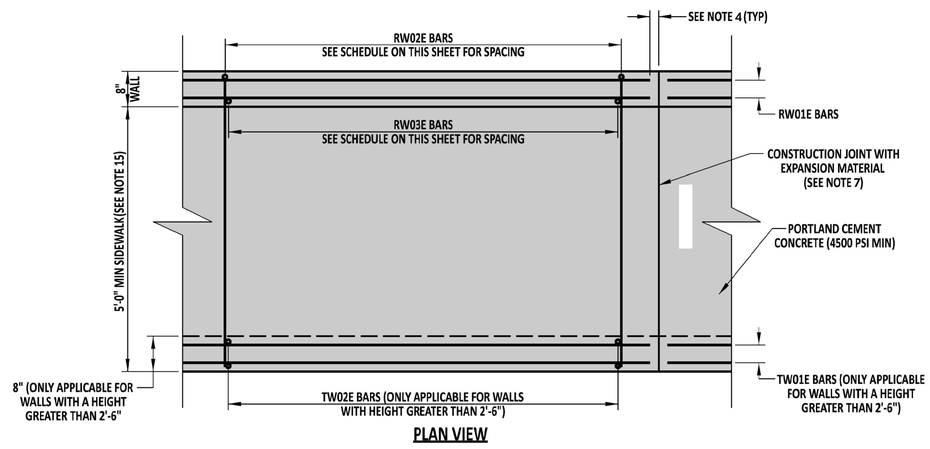
DETAIL FROM DELAWARE DEPARTMENT OF TRANSPORTATION



CURB RETAINING WALL SECTION

FOR HEIGHTS EQUAL TO OR LESS THAN 12"

NOT TO SCALE



PLAN VIEW

DETAIL FROM DELAWARE DEPARTMENT OF TRANSPORTATION

NOTES:

1. WHEN H IS GREATER THAN 2'-6", CAST THE CURB RETAINING WALLS IN PLACE. WHEN H IS GREATER THAN 12" AND LESS THAN 2'-6", THE WALLS CAN BE EITHER PRECAST OR CAST-IN-PLACE.
2. CHAMFER EDGES 3/4" AT THE TOP OF WALL. PLACE A 1/4" ROUND EDGE AT THE FRONT OF SIDEWALK.
3. THE RETAINING WALL HAS BEEN DESIGNED TO RESIST EARTH PRESSURE ONLY. ADDITIONAL REINFORCEMENT MAY BE REQUIRED IF ANY SURCHARGE IS APPLIED BEHIND THE RETAINING WALL WITHIN A DISTANCE EQUAL TO 2 TIMES H AND WOULD REQUIRE AN APPROVED SHOP DRAWING.
4. MINIMUM BAR COVER IS 2" UNLESS OTHERWISE SPECIFIED ON THIS SHEET.
5. BEND THE RW02E AND RW03E BARS INTO ONE CONTINUOUS L-SHAPED BAR.
6. BEND THE TW02E BARS INTO 1 CONTINUOUS U-SHAPED BAR.
7. SEE DETAIL 300.01 FOR SIDEWALK DEAILS AND NOTES INCLUDING CONSTRUCTION JOINTS AND EXPANSIONS MATERIALS.
8. DO NOT PLACE RW01E AND TW01E BARS THROUGH EXPANSION JOINTS. STOP REINFORCEMENT AND MAINTAIN MINIMUM BAR COVERS AS SPECIFIED IN PREVIOUS NOTES.
9. ALL REINFORCING STEEL MUST BE EPOXY COATED.
10. IF A CURB IS CONSTRUCTED ADJACENT TO THE STRUCTURE, COAT THE FRONT FACE OF THE SIDEWALK /TOEWALL WITH AN APPROVED BOND BREAKER AGENT PRIOR TO THE PLACEMENT OF CONCRETE FOR THE CURB.
11. FOR CURB RETAINING WALLS WHERE H IS 12" OR LESS, A MODIFIED CURB CAN BE USED.

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SEAL: STATE OF MARYLAND GREGORY WAYNE FOX NO. 20762 REGISTERED PROFESSIONAL ENGINEER

5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
DS-03	5 OF 47

DATE	REVISIONS

OWNER: DEVELOPER:
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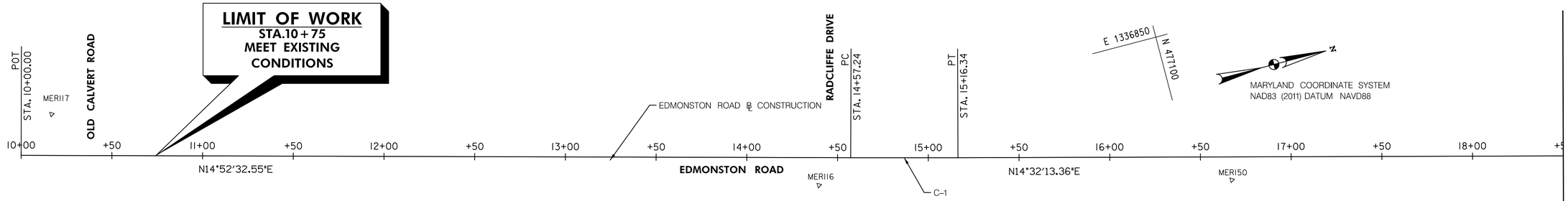
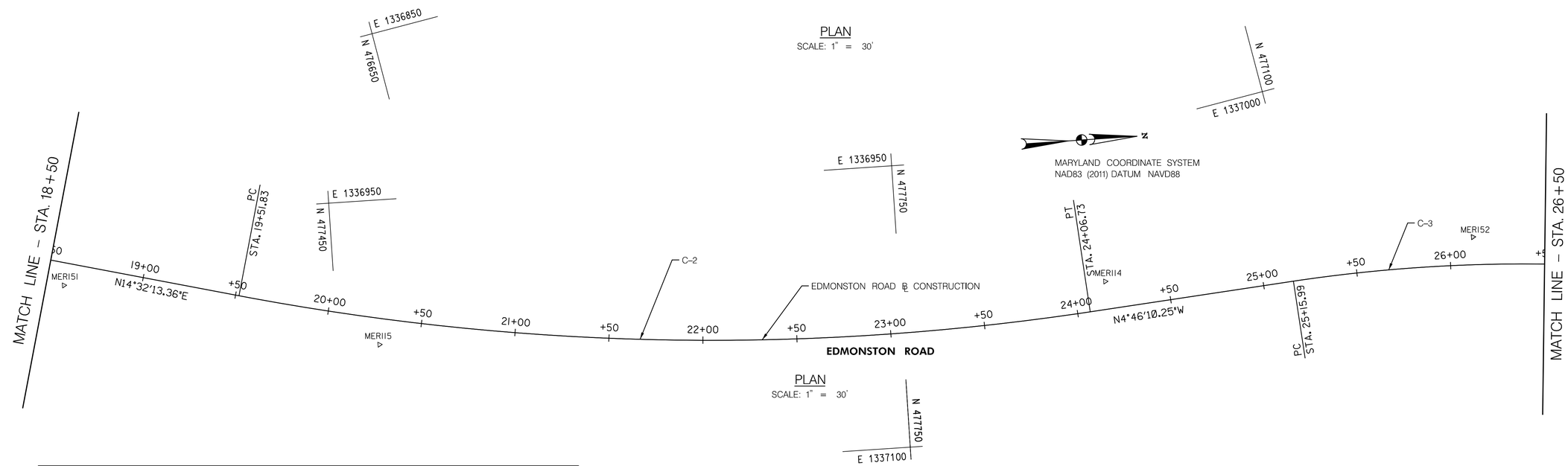
DRAWING TITLE: CURB RETAINING WALL / SIDEWALK DETAILS

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

PLOTTED: Wednesday, May 04, 2022 AT 11:02 AM
FILE: \\pwmd-fs\Projects\2019\2019063.00 2019 Cty of College Park Ch-Cliff Rd\Task 7 - Edmonston Road Sidewalk\Project CADD\pr\Ed04_Edmonston.dgn



PLAN
SCALE: 1" = 30'



PLAN
SCALE: 1" = 30'

TRAVERSE POINT COORDINATES

POINT NO.	NORTH	EAST	ELEVATION
MERI17	476500.6078	1336736.6149	75.90
MERI16	476899.6918	1336881.9601	88.74
MERI50	477120.5572	1336936.8820	82.87
MERI51	477306.6469	1336984.3529	76.23
MERI15	477471.9997	1337026.9259	70.70
MERI14	477859.2622	1337018.9907	59.73
MERI52	478055.9030	1337008.3730	58.39

BASELINE CONSTRUCTION CONTROL COORDINATES

BASELINE	STATION	NORTH	EAST
EDMONSTON ROAD	POT STA. 10+00.00	476478.5247	1336754.2529
	PC STA. 14+57.24	476920.4361	1336871.6359
	PT STA. 15+16.34	476977.6076	1336886.6413
	PC STA. 19+51.83	477399.1565	1336995.9521
	PT STA. 24+06.73	477850.2638	1337034.4969
	PC STA. 25+15.99	477959.1368	1337025.4129

CURVE DATA

CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	CHORD BEARING	CHORD LENGTH
C-1	0°20'19.19", LT.	0°34'22.65"	10000.00	29.55	59.11	0.04	N 14°42'22.96" E	59.11
C-2	19°18'23.62", LT.	4°14'38.87"	1350.00	229.63	454.90	19.39	N 4°53'01.55" E	452.75
C-3	25°02'01.10", RT.	6°56'41.79"	825.00	183.15	360.46	20.09	N 7°44'50.30" E	360.46

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DATE	REVISIONS

OWNER: DEVELOPER:
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Greenman-Pedersen, Inc.
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Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
GEOMETRIC LAYOUT

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
DEREK W. GAUTHIER
No. 20762
REGISTERED
PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
GS-01	6 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:02 AM
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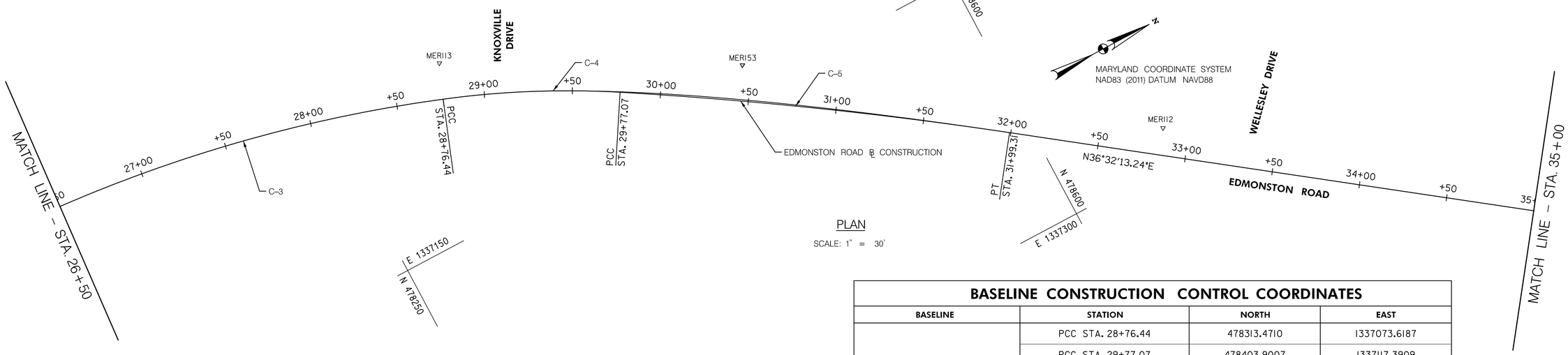


PLAN

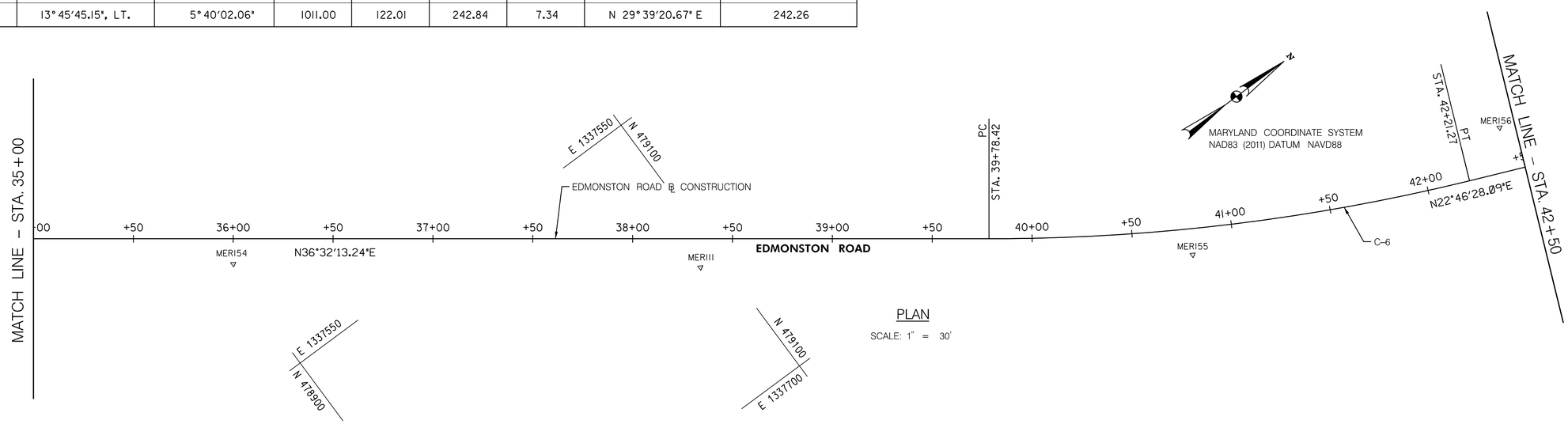
SCALE: 1" = 30'

BASELINE CONSTRUCTION CONTROL COORDINATES

BASELINE	STATION	NORTH	EAST
EDMONSTON ROAD	PCC STA. 28+76.44	478313.4710	1337073.6187
	PCC STA. 29+77.07	478403.9007	1337117.3909
	PT STA. 31+99.31	478588.1619	1337241.5158
	PC STA. 39+78.42	479214.1561	1337705.3532
	PT STA. 42+21.27	479424.6838	1337825.2207

CURVE DATA

CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	CHORD BEARING	CHORD LENGTH
C-3	25°02'01.10", RT.	6°56'41.79"	825.00	183.15	360.46	20.09	N 7°44'50.30" E	360.46
C-4	11°07'48.23", RT.	11°03'39.46"	518.00	50.47	100.62	2.45	N 25°49'44.96" E	100.47
C-5	5°08'34.17", RT.	2°18'50.57"	2476.00	111.20	222.24	2.50	N 33°57'56.16" E	222.17
C-6	13°45'45.15", LT.	5°40'02.06"	1011.00	122.01	242.84	7.34	N 29°39'20.67" E	242.26



PLAN

SCALE: 1" = 30'

TRAVERSE POINT COORDINATES

POINT NO.	NORTH	EAST	ELEVATION
MERI13	478321.2955	1337054.5330	57.86
MERI53	478472.4352	1337136.4260	58.63
MERI12	478666.2932	1337280.0987	59.77
MERI54	478902.7073	1337490.3139	63.13
MERI11	479089.5796	1337630.9047	70.29
MERI55	479291.3847	1337772.5528	85.84
MERI56	479452.6858	1337812.8517	94.60

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DATE	REVISIONS

OWNER: DEVELOPER:
CITY OF COLLEGE PARK
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Greenman-Pedersen, Inc.
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Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
GEOMETRIC LAYOUT

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND GREGORY W. FOLEY No. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
GS-02	7 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:02 AM
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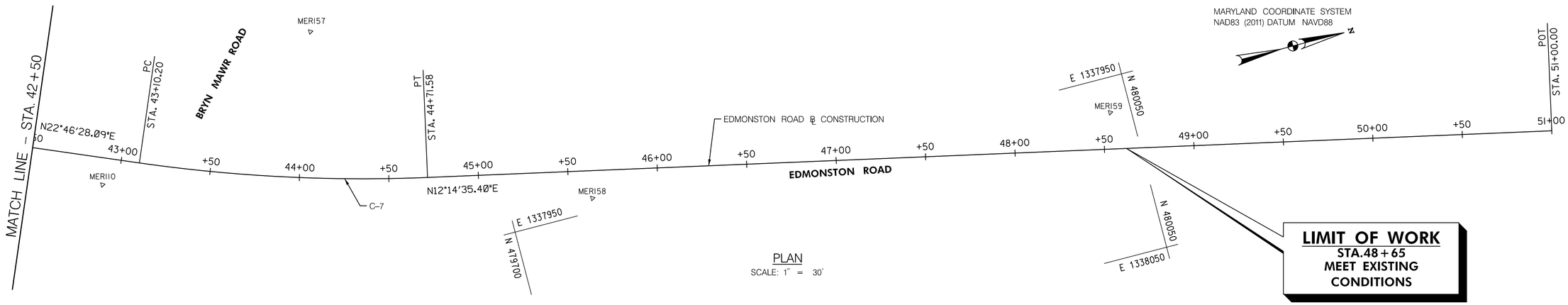

PLAN
SCALE: 1" = 30'

GRADING TABLE

ROADWAY				TOPSOIL	
BASELINE	STATION	CLASS 2 EXCAVATION	EMBANKMENT	CUT	FILL
EDMONSTON ROAD	10+75 TO 48+65	403 CY	2,620 CY	101 CT	798 CY

BIO-SWALE FILTER MEDIA SECTION	CLASS 2 EXCAVATION
BIO-SWALE M8-1	58 CY
BIO-SWALE M8-2	89 CY
BIO-SWALE M8-3	40 CY
BIO-SWALE M8-4	63 CY
BIO-SWALE M8-5	63 CY
BIO-SWALE M8-6	39 CY
	TOTAL 354 CY

TRAVERSE POINT COORDINATES

POINT NO.	NORTH	EAST	ELEVATION
MERI10	479483.7356	1337866.3801	94.19
MERI57	479617.6884	1337812.9453	95.49
MERI58	479746.6200	1337942.6910	85.35
MERI59	480038.5555	1337969.3456	90.83

BASELINE CONSTRUCTION CONTROL COORDINATES

BASELINE	STATION	NORTH	EAST
EDMONSTON ROAD	PC STA. 43+10.20	479506.6819	1337859.6465
	PT STA. 44+71.58	479660.3702	1337908.1302
	POT STA. 51+00.00	477232.5613	1337177.4265

CURVE DATA

CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	CHORD BEARING	CHORD LENGTH
C-7	10°31'52.69", LT.	6°31'32.57"	878.00	80.92	161.38	3.72	N 17°30'31.75" E	161.15

SUMMARY OF EARTHWORK

EXCAVATION

CLASS 2 EXCAVATION	403 CY
TOPSOIL REMOVED UNDER FILL	798 CY
BIOSWALE MEDIA EXCAVATION (CLASS 2)	354 CY
TOTAL CLASS 2 EXCAVATION	1,555 CY

EXCAVATION AVAILABLE FOR EMBANKMENT

CLASS 2 EXCAVATION	1,555 CY
MINUS: TOPSOIL REMOVED IN CUT	–101 CY
MINUS: TOPSOIL REMOVED UNDER FILL	–798 CY
SOIL EXCAVATION ADJUSTED	656 CY
CUT DENSIFIED (0.85)	558 CY
EXCAVATION AVAILABLE FOR EMBANKMENT	558 CY

EMBANKMENT REQUIRED

EMBANKMENT	2,620 CY
REFILL FOR TOPSOIL UNDER FILL	+798 CY
EMBANKMENT REQUIRED	3,418 CY
EXCAVATION AVAILABLE FOR EMBANKMENT	– 558 CY
BORROW	2,861 CY
DENSIFICATION (15%)	+429 CY
BORROW REQUIRED	3,290 CY

PROPOSED QUANTITIES

CLASS 2 EXCAVATION	1,555 CY
COMMON BORROW	3,300 CY
CLASS 1A EXCAVATION (CONTINGENT)	100 CY
SELECT BORROW (CONTINGENT)	100 CY

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20752 EXPIRATION DATE: 3/8/2023.

SEAL:
STATE OF MARYLAND · GREGORY WAYNE FOX · No. 20752 · REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DATE	REVISIONS

OWNER/ DEVELOPER:
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240.487.3509
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Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
GEOMETRIC LAYOUT
GRADING TABLE / SUMMARY OF EARTHWORK

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
GS-03	8 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:02 AM
FILE: \\mwfiles\projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\JOB-PROD_Edmonston.dgn

ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 1	4 S.Y.
EW – 2	4 S.Y.

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 13+43.57 TO STA. 13+49.57 RT	7.5 S.Y.
STA. 15+96.89, TO STA. 16+02.89 RT	10 S.Y.
STA. 17+99.50, TO STA. 18+05.50 RT	7.5 S.Y.

CONSTRUCT BIOSWALE	
STA. 12+72 TO STA. 13+50, RT	M8–6
STA. 15+96 TO STA. 17+10, RT	M8–1
(SEE DWG DP–01, DP–02, AND SW–01)	

CURB RETAINING WALL	
STA. 12+42.5, 19.2' LT TO STA. 14+01.5, 19.2' LT	159 L.F.

SEE DETAIL SHEET DS–04

CONCRETE CURB AND GUTTER – STD. 300.01	
STA. 10+75.51, 45.85' LT TO STA. 14+30.63, 29.08' LT	380 L.F.
STA. 14+62.88, 28.97' LT TO STA. 14+75.03, 18.07' LT	17 L.F.
STA. 14+92.04, 14.73' LT TO STA. 15+28.73, 14.29' LT	37 L.F.
STA. 14+07.87, 13.48' RT TO STA. 18+50.00, 13.29' RT	442 L.F.

DETECTABLE WARNING SURFACE	
STA. 14+18.58, 19.15' LT	50 S.F.
STA. 14+68.72, 23.77' LT	12 S.F.
STA. 14+10.37, 15.00' RT	10 S.F.

CONSTRUCT RETAINING WALL
STA. 14+85.5 TO STA. 15+30.8, LT
(LUMP SUM PAY ITEM)
SEE DETAILS DWG NO. DS–03

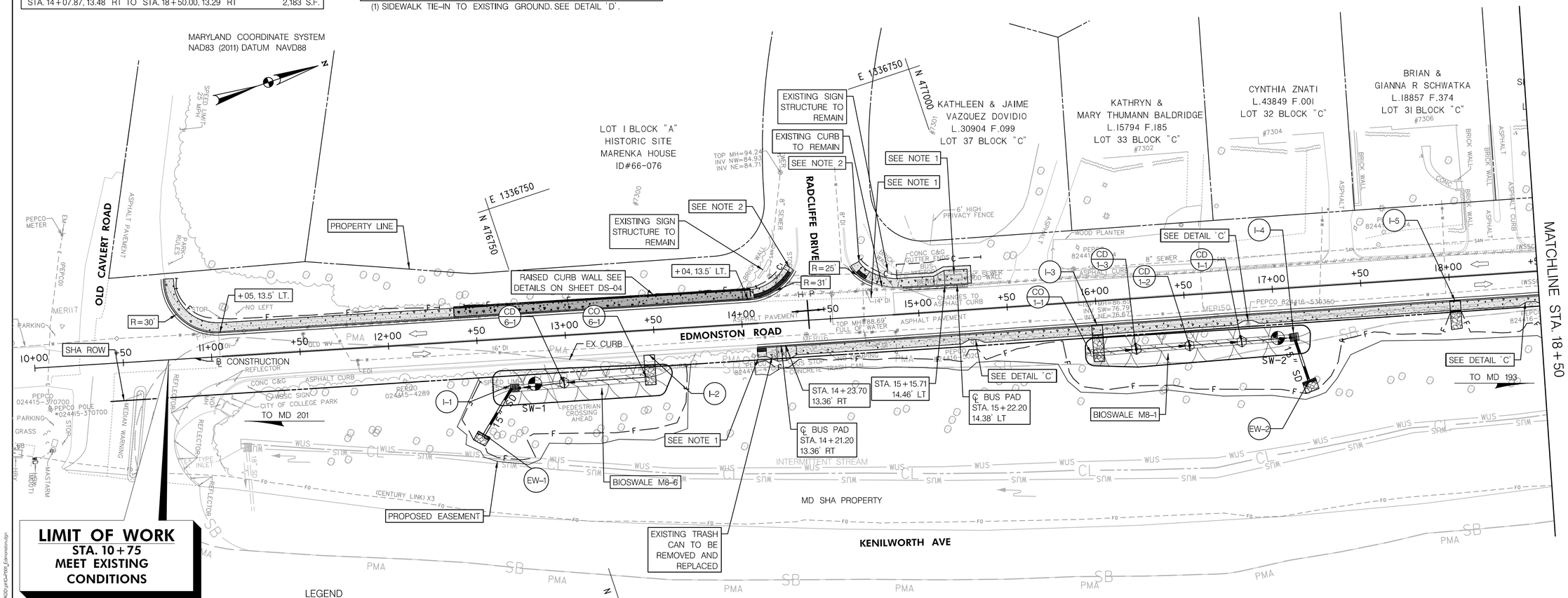
CONCRETE SIDEWALK – STD. 300.06	
STA. 10+75.51, 45.85' LT TO STA. 12+42.5, 19.20' LT	885 S.F.
STA. 14+01.5, 19.2' LT TO STA. 12+42.5, 19.20' LT	138 S.F.
STA. 14+62.88, 28.97' LT TO STA. 15+28.73, 14.29' LT	393 S.F.
STA. 14+07.87, 13.48' RT TO STA. 18+50.00, 13.29' RT	2,183 S.F.

SIDEWALK RAMP – STD. 300.08
STA. 14+07.87, 14.37' LT TO STA. 14+28.91, 27.50' LT (1)
STA. 14+66.14, 25.32' (1) LT TO STA. 14+70.83, 21.19' LT
STA. 14+07.87, 14.03' RT TO STA. 14+12.87, 14.03' RT

(1) SIDEWALK TIE–IN TO EXISTING GROUND. SEE DETAIL 'D'.

CONCRETE SIDEWALK (6" THICK)	
STA. 12+42.5, 19.2' LT TO STA. 14+01.5, 19.2' LT	839 S.F.

SEE DETAIL SHEET DS–04



LIMIT OF WORK
STA. 10+75
MEET EXISTING CONDITIONS

LEGEND

	REINFORCED CONCRETE SIDEWALK		TRAFFIC FLOW
	CONCRETE SIDEWALK		RIPRAP INFLOW /OUTLET PROTECTION
	FIRE HYDRANT		BIOSWALE
	ABANDONED WATERLINE (CONTRACT NO. BT6433AI8)	—SB—	60' STREAM BUFFER
	EXISTING WATERLINE	—CL—	CENTERLINE OF STREAM
	LIMIT OF CUT	—W—	WETLAND
	LIMIT OF FILL	—WB—	25' WETLAND BUFFFER
PMA	PRIMARY MANAGEMENT AREA		EX. SHA RIGHT–OF–WAY
	PROPOSED EASEMENT		EX. PROPERTY LINE
	SWM SOIL BORING		

PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" = 30'

NOTES
1. CONSTRUCT CONCRETE BUS PAD. SEE DETAIL 'B' DWG DS–01.
2. SIDEWALK/PEDESTRIAN RAMP TERMINATION TIE–IN. SEE DETAIL 'D' DWG NO DS–01.
3. FOR DETAIL 'C' SEE DWG DS–01.
4. FOR STORM DRAIN SCHEDULES SEE DWG DD–02.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

SEAL: STATE OF MARYLAND GREGORY WAYNE PATTON No. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DATE	REVISIONS

OWNER/ DEVELOPER:
CITY OF COLLEGE PARK
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Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
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Tel: 410.880.3055

DRAWING TITLE: ROADWAY PLAN

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DRAFTING: ADW	CHECKED: GWP
PLOT DATE: APRIL, 2022	
SCALE: 1" = 30'	
PROJECT NUMBER: 2019063.07	

DRAWING	SHEET
PS-01	9 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:03 AM
FILE: \\netmus\projects\2019\063.07 City of College Park On-Call\Task 1 - Edmonston Road Sidewalk Project\CADD\pdf\PS-0909_Edmonston.dgn

LEGEND

	CONCRETE SIDEWALK		TRAFFIC FLOW
	FIRE HYDRANT		RIPRAP INFLOW /OUTLET PROTECTION
	ABANDONED WATERLINE (CONTRACT NO. BT6433AI8)		BIOSWALE
	EXISTING WATERLINE	—SB—	60' STREAM BUFFER
—C—	LIMIT OF CUT	—CL—	CENTERLINE OF STREAM
—F—	LIMIT OF FILL	—W—	WETLAND
PMA	PRIMARY MANAGEMENT AREA	—WB—	25' WETLAND BUFFFER
	PROPOSED EASEMENT		EX. SHA RIGHT-OF-WAY
	SWM SOIL BORING		EX. PROPERTY LINE

ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 3	11.1 S.Y.
EW – 4	4.6 S.Y.
EW – 5	5.3 S.Y.
EW – 6	5.3 S.Y.

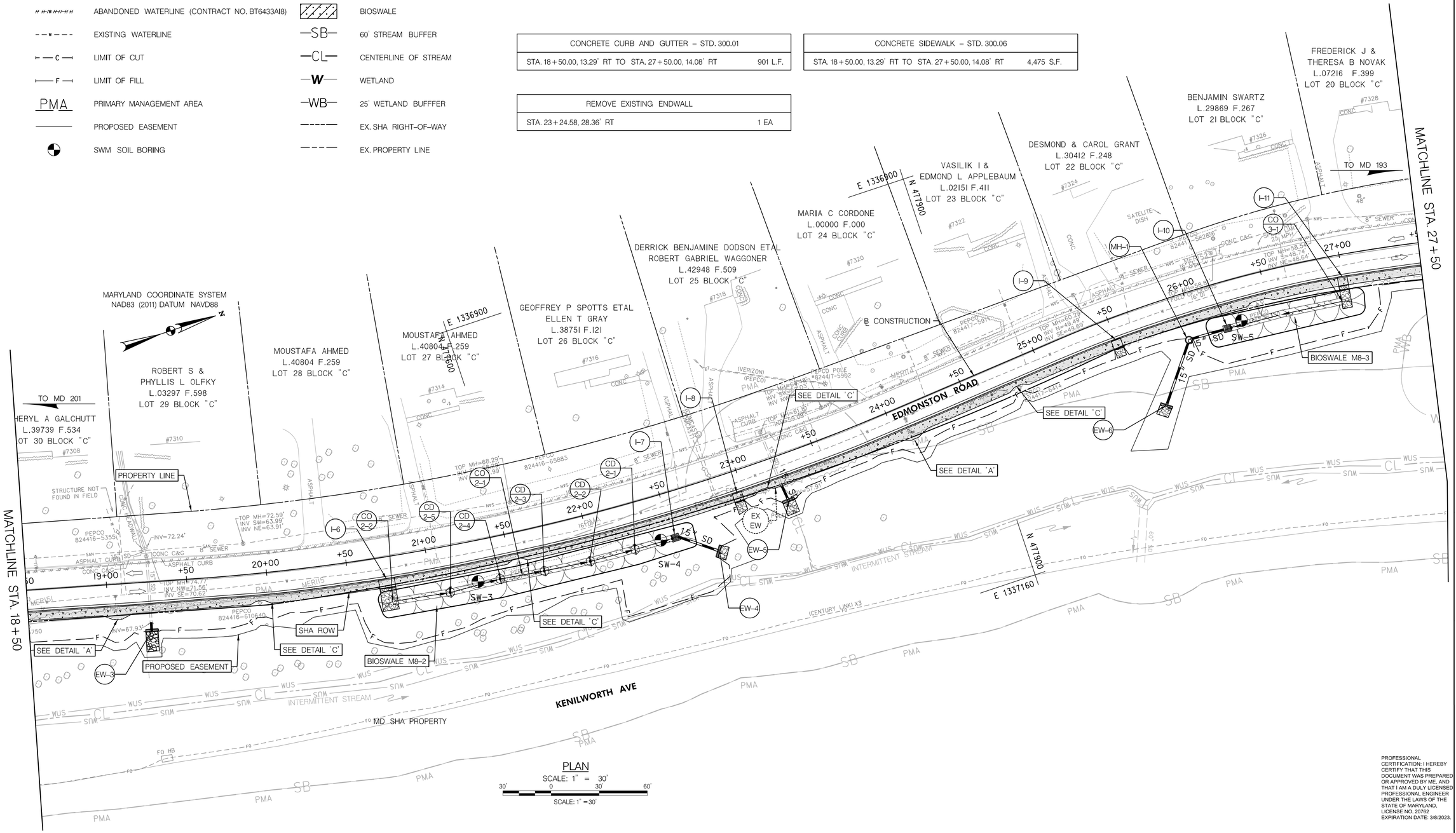
CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 20+68.29 TO STA. 20+78.14 RT	15.5 S.Y.
STA. 22+93.18 TO STA. 22+99.00 RT	5.5 S.Y.
STA. 25+47.28 TO STA. 25+53.43 RT	3.6 S.Y.
STA. 26+96.37 TO STA. 27+02.52 RT	9.5 S.Y.

CONSTRUCT BIOSWALE	
STA. 20+67 TO STA. 22+52, RT	M8–2
STA. 26+20 TO STA. 27+03, RT	M8–3
(SEE DWG DP–01 AND SW–02)	

CONCRETE CURB AND GUTTER – STD. 300.01	
STA. 18+50.00, 13.29' RT TO STA. 27+50.00, 14.08' RT	901 L.F.

CONCRETE SIDEWALK – STD. 300.06	
STA. 18+50.00, 13.29' RT TO STA. 27+50.00, 14.08' RT	4,475 S.F.

REMOVE EXISTING ENDWALL	
STA. 23+24.58, 28.36' RT	1 EA



PLAN

SCALE: 1" = 30'

30' 0 30' 60'

SCALE: 1" =30'

NOTES 1. FOR DETAILS 'A' & 'C' SEE DWG DS–01.
2. FOR STORM DRAIN SCHEDULES SEE DWG DD–02.

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SEAL: STATE OF MARYLAND GREGORY WAYNE FRANK NO. 20762 REGISTERED PROFESSIONAL ENGINEER

5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
PS-02	10 OF 47

DATE	REVISIONS

OWNER/ DEVELOPER:
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ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

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11000 Broken Land Parkway, Suite 500
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Tel: 410.880.3055

DRAWING TITLE
ROADWAY PLAN

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

PLOTTED: Wednesday, May 04, 2022 AT 11:03 AM
FILE: \\pwmd-pw\projects\JOB\2019063\07 City of College Park DI-CAB\Task 7 - Edmonston Road Sidewalk Project\CADD\pdf\DS-PR02_Edmonston.dgn

DETECTABLE WARNING SURFACE	
STA. 29+31.95, 30.97' LT	10 S.F.
STA. 29+62.00, 15.70' LT	10 S.F.
STA. 29+61.41, 15.75' RT	10 S.F.
STA. 33+54.73, 63.88' LT	10 S.F.
STA. 33+84.34, 15.78' LT	10 S.F.
STA. 33+84.62, 15.86' RT	10 S.F.

CONCRETE CURB AND GUTTER – STD. 300.01	
STA. 28+25.26, 14.00' LT TO STA. 28+97.10, 51.12' LT,	95 L.F.
STA. 29+21.12, 51.30' LT TO STA. 29+78.65, 14.00' LT	78 L.F.
STA. 33+50.55, 50.67' LT TO STA. 33+54.36, 68.69' LT	19 L.F.
STA. 33+74.81, 15.98' LT TO STA. 33+92.53, 14.08' LT	18 L.F.
STA. 34+32.61, 14.45' LT TO STA. 34+42.00, 14.49' LT	9 L.F.
STA. 27+50.00, 14.08' RT TO STA. 36+00.00, 13.35' RT	845 L.F.

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 28+35.34 TO STA. 28+41.49 RT	3.5 S.Y.
STA. 30+94.50 TO STA. 31+05.05 RT	6.0 S.Y.
STA. 35+54.50 TO STA. 35+65.50 RT	7.3 S.Y.
STA. 29+39.37 TO STA. 29+50.05 LT	7.0 S.Y.

REMOVE CURB AND GUTTER (1)	
STA. 29+21.15 TO STA. 29+39.37	30 L.F.

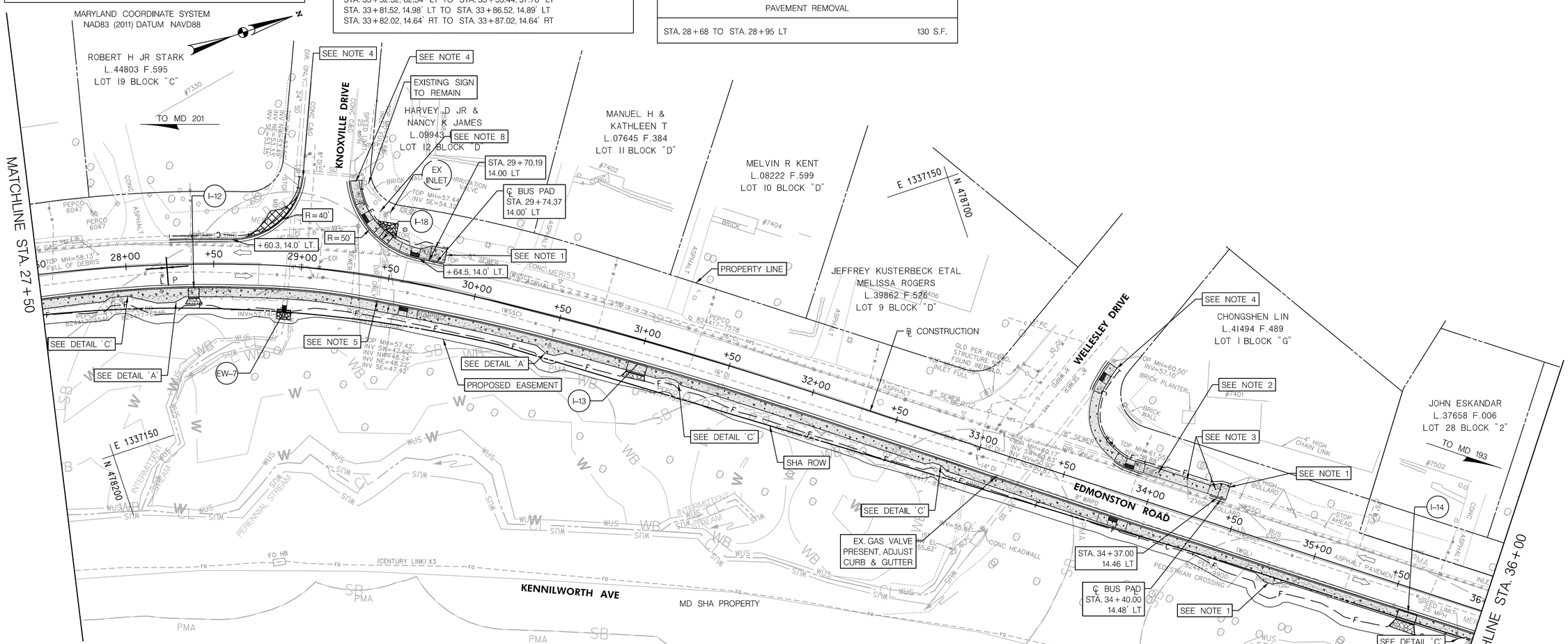
(1) COST OF REMOVAL OF CURB AND GUTTER TO BE INCIDENTAL TO CLASS 2 EXCAVATION

CONCRETE SIDEWALK – STD. 300.06	
STA. 29+21.12, 51.30' LT TO STA. 29+78.65, 14.00' LT	415 S.F.
STA. 33+55.14, 68.29' LT TO STA. 34+42.00, 14.49' LT	652 S.F.
STA. 27+50.00, 14.08' RT TO STA. 36+00.00, 13.35' RT	4,253 S.F.

SIDEWALK RAMP – STD. 300.08
STA. 29+23.43, 45.04' LT TO STA. 29+25.49, 39.95' LT
STA. 29+59.49, 14.67' LT TO STA. 29+64.36, 14.67' LT
STA. 29+59.03, 14.78' RT TO STA. 29+64.17, 14.78' RT
STA. 33+52.32, 62.54' LT TO STA. 33+53.44, 57.76' LT
STA. 33+81.52, 14.98' LT TO STA. 33+86.52, 14.89' LT
STA. 33+82.02, 14.64' RT TO STA. 33+87.02, 14.64' RT

ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 7	5.5 S.Y.

PAVEMENT REMOVAL	
STA. 28+68 TO STA. 28+95 LT	130 S.F.



LEGEND

- CONCRETE SIDEWALK
- FIRE HYDRANT
- ABANDONED WATERLINE (CONTRACT NO. BT6433AI8)
- EXISTING WATERLINE
- LIMIT OF CUT
- LIMIT OF FILL
- PMA — PRIMARY MANAGEMENT AREA
- PROPOSED EASEMENT
- EXISTING PAVEMENT TO BE REMOVED
- TRAFFIC FLOW
- RIPRAP INFLOW /OUTLET PROTECTION
- BIOSWALE
- SB — 60' STREAM BUFFER
- CL — CENTERLINE OF STREAM
- W — WETLAND
- WB — 25' WETLAND BUFFFER
- EX. SHA RIGHT-OF-WAY
- EX. PROPERTY LINE
- SWM SOIL BORING

PLAN

SCALE: 1" = 30'

30' 0 30' 60'

SCALE: 1" = 30'

NOTES
1. CONSTRUCT CONCRETE BUS PAD. SEE DETAIL 'B' DWG DS-01.
2. ADJUST SIDEWALK TO INCORPORATE USE OF EXISTING COG INLET.
3. EXISTING BOLLARD TO BE REMOVED.
4. PROPOSED SIDEWALK AND/OR CURB AND GUTTER TO MEET EXISTING INLET.
5. PIPE OUTFALL WAS NOT ABLE TO BE LOCATED BY FIELD SURVEY. CONTRACTOR TO TEST PIT AREA TO LOCATE PIPE OUTFALL AND EXTEND AS REQUIRED TO DAYLIGHT BEYOND SIDEWALK SLOPE.
6. FOR DETAIL 'A' & 'C' SEE DETAIL DWG DS-01.
7. FOR STORM DRAIN SCHEDULE SEE DWG DD-02.
8. EXISTING INLET TO REMAIN. GRADE AREAS IN FRONT OF INLET THROAT AND INSTALL RIPRAP TO PROVIDE POSITIVE DRAINAGE FROM BACK OF I-18 AND SIDEWALK TO EXISTING INLET.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

SEAL: STATE OF MARYLAND GREGORY WAYNE FOX No. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DATE	REVISIONS

OWNER: DEVELOPER:
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11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE: ROADWAY PLAN

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS

21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
PS-03	11 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:03 AM
FILE: \\gpinet\projects\2019\2019063\07 City of College Park Task 7 - Edmonston Road Sidewalk Project\CADD\pdf\C-PS02_Greenman.dgn

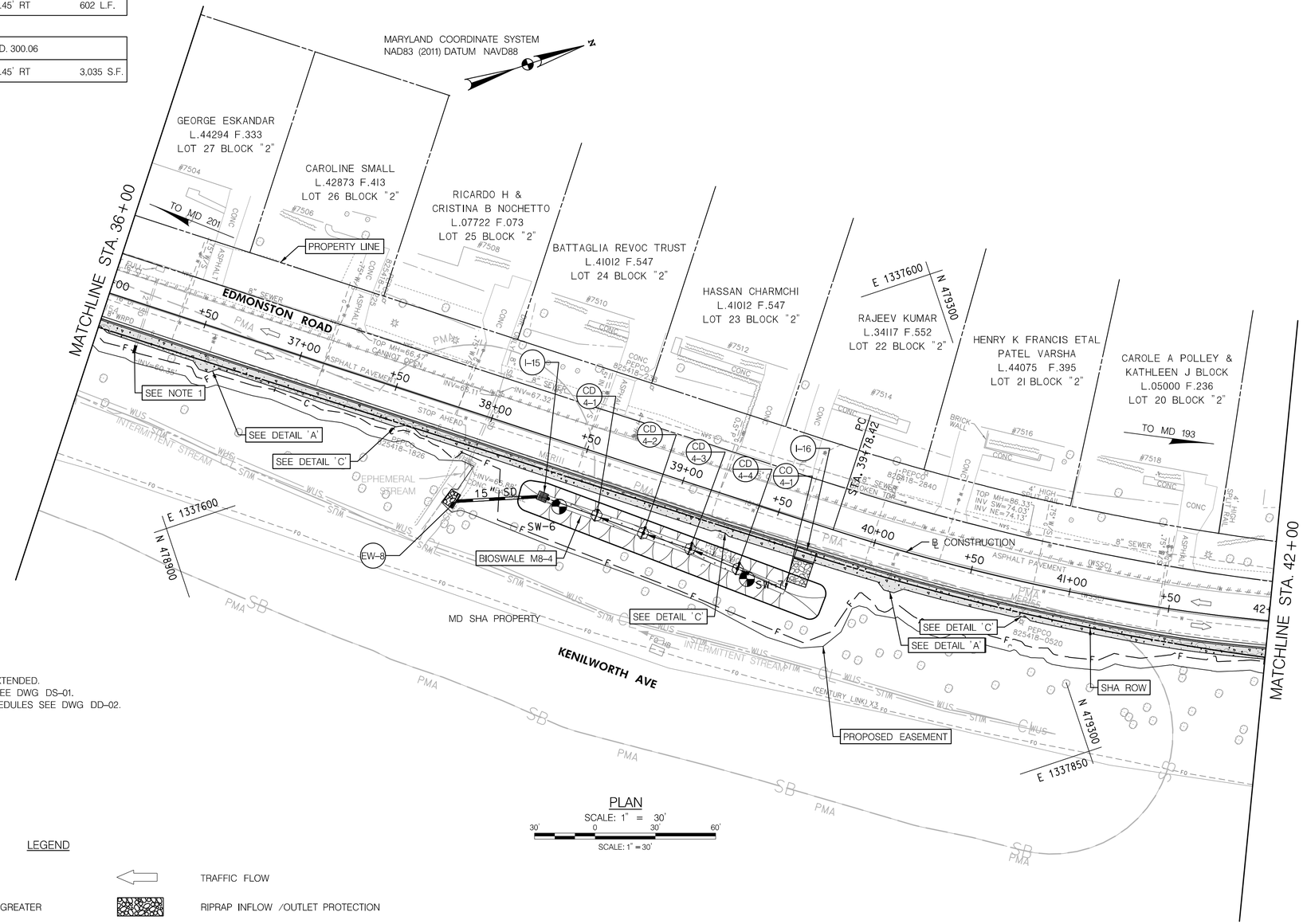
ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 8	3.6 S.Y.

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 39+64.28 TO STA. 39+74.24 RT	13.5 S.Y.

CONSTRUCT BIOSWALE	
STA. 38+36 TO STA. 39+64, RT (SEE DWG DP–01 AND SW–04)	M8–4

CONCRETE CURB AND GUTTER – STD. 300.01	
STA. 36+00.00, 13.35' RT TO STA. 42+00.00, 13.45' RT	602 L.F.

CONCRETE SIDEWALK – STD. 300.06	
STA. 36+00.00, 13.35' RT TO STA. 42+00.00, 13.45' RT	3,035 S.F.



NOTES 1. EXISTING PIPE TO BE EXTENDED.
2. FOR DETAILS 'A' & 'C' SEE DWG DS–01.
3. FOR STORM DRAIN SCHEDULES SEE DWG DD–02.

PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" = 30'

LEGEND

	CONCRETE SIDEWALK		TRAFFIC FLOW
	EXISTING SLOPES 15% OR GREATER		RIPRAP INFLOW /OUTLET PROTECTION
LOD	LIMITS OF DISTURBANCE/GRADING		BIOSWALE
60	PROPOSED CONTOURS	SB	60' STREAM BUFFER
60	EXISTING CONTOURS	CL	CENTERLINE OF STREAM
C	LIMIT OF CUT	W	WETLAND
F	LIMIT OF FILL	WB	25' WETLAND BUFFFER
PMA	PRIMARY MANAGEMENT AREA	CcC TYPE D SOIL / UdaF TYPE D SOIL	SOIL BOUNDARY
	PROPOSED EASEMENT		EX. SHA RIGHT–OF–WAY
	SWM SOIL BORING		EX. PROPERTY LINE

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

DATE	REVISIONS

OWNER/ DEVELOPER:
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Tel: 410.880.3055

DRAWING TITLE
ROADWAY PLAN

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GURDEEP WALIA
No. 20762
REGISTERED
PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW	CHECKED: GWF
PLOT DATE: APRIL, 2022	
SCALE: 1" = 30	
PROJECT NUMBER: 2019063.07	

DRAWING	SHEET
PS-04	12 OF 47

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ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 9	4.4 S.Y.

CONCRETE CURB AND GUTTER – STD. 300.01	
STA. 42+92.76, 21.78' LT TO STA. 43+16.43, 34.24' LT,	27 L.F.
STA. 43+78.74, 36.28' LT TO STA. 43+90.44, 24.71' LT	17 L.F.
STA. 45+63.33, 21.50' LT TO STA. 48+62.63, 13.61' LT	300 L.F.
STA. 42+00.00, 13.45' RT TO STA. 43+00.00, 13.67' RT	100 L.F.

CONCRETE SIDEWALK – STD. 300.06	
STA. 42+92.00, 20.50' LT TO STA. 43+20.00, 37.50' LT,	165 S.F.
STA. 43+78.74, 33.28' LT TO STA. 48+65.00, 19.27' LT	2,449 S.F.
STA. 42+00.00, 13.45' RT TO STA. 43+00.00, 13.67' RT	526 S.F.

SIDEWALK RAMP – STD. 300.08
STA. 42+92.76, 21.78' LT TO STA. 43+16.43, 34.24' LT
STA. 43+80.87, 34.27' LT (1) TO STA. 43+84.87, 29.65' LT
STA. 42+94.98, 13.74' RT TO STA. 43+00.00, 13.67' RT

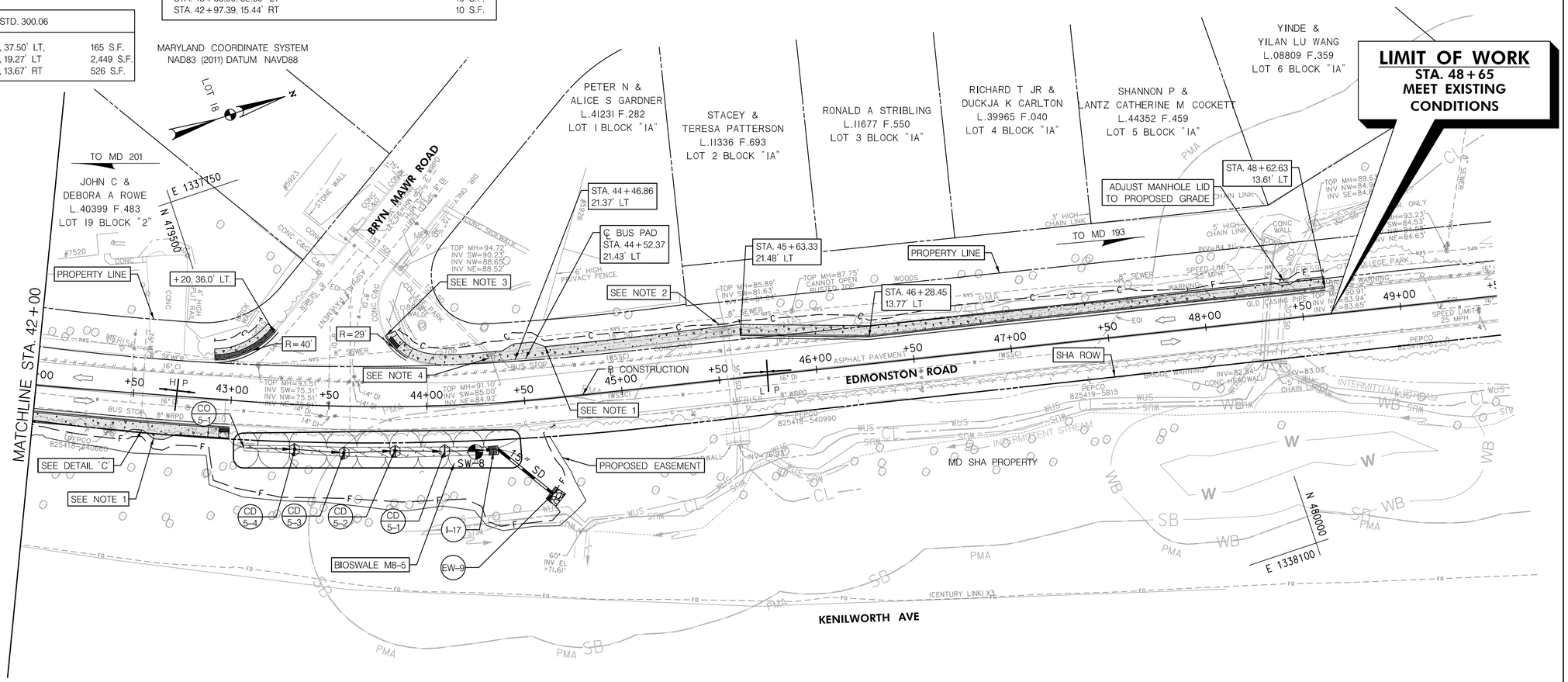
(1) SIDEWALK TERMINATION TIE-IN. SEE DETAIL 'D'.

DETECTABLE WARNING SURFACE	
STA. 43+07.66, 28.71 LT	52 S.F.
STA. 43+83.90, 32.60' LT	10 S.F.
STA. 42+97.39, 15.44' RT	10 S.F.

ADJUST EXISTING DRAINAGE STRUCTURE (SEE NOTE 4)	
STA. 44+33, LT	1 EA

CONSTRUCT BIOSWALE	
STA. 43+08 TO STA. 44+33, RT (SEE DWG DP-02 AND DS-05)	M8-5

MARYLAND COORDINATE SYSTEM
NAD83 (2011) DATUM NAVD88



PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" = 30'

LEGEND

	CONCRETE SIDEWALK		TRAFFIC FLOW
	FIRE HYDRANT		RIPRAP INFLOW /OUTLET PROTECTION
	ABANDONED WATERLINE (CONTRACT NO. BT6433AI8)		BIOSWALE
	EXISTING WATERLINE	—SB—	60' STREAM BUFFER
—C—	LIMIT OF CUT	—CL—	CENTERLINE OF STREAM
—F—	LIMIT OF FILL	—W—	WETLAND
PMA	PRIMARY MANAGEMENT AREA	—WB—	25' WETLAND BUFFFER
	PROPOSED EASEMENT		EX. SHA RIGHT-OF-WAY
	SWM SOIL BORING		EX. PROPERTY LINE

NOTES
1. CONSTRUCT CONCRETE BUS PAD. SEE DETAIL 'B' DWG DS-01.
2. ADJUST SIDEWALK TO INCORPORATE USE OF EX. COG INLET.
3. SIDEWALK TERMINATION TIE-IN. SEE DETAIL 'D' DWG DS-01.
4. CONTRACTOR SHALL REMOVE AND SALVAGE EXISTING MANHOLE FRAME AND COVER ALONG WITH CONCRETE SLAB. REMOVE THE REQUIRED NUMBER OF EXISTING BRICK MASONRY COURSES AND RESET CONCRETE SLAB WITH MANHOLE FRAME AND COVER TO MEET THE PROPOSED SIDEWALK GRADES AND INCORPORATE INTO SIDEWALK CONFIGURATION.
5. FOR DETAIL 'C' SEE DWG DS-01.
6. FOR STORM DRAIN SCHEDULES SEE DWG DD-02.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

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DRAWING TITLE
ROADWAY PLAN

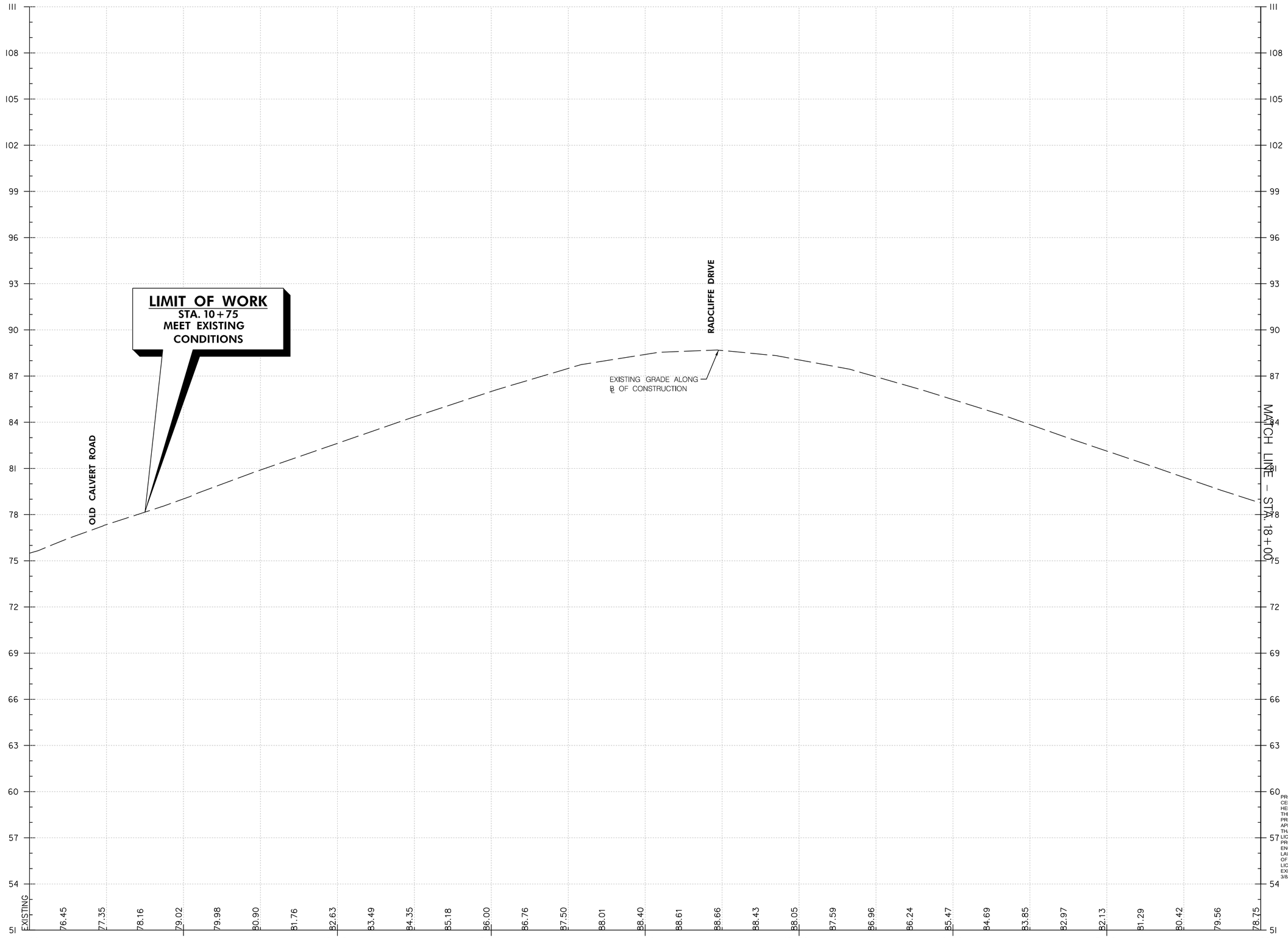
PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY W. FRANTZ
NO. 20762
REGISTERED
PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW	CHECKED: GWF
PLOT DATE: APRIL, 2022	
SCALE: 1" = 30	
PROJECT NUMBER: 2019063.07	

DRAWING	SHEET
PS-05	13 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:03 AM
FILE: \\gpinet\projects\Utility\2019063.07 City of College Park CIP-Cell Task 7 - Edmonston Road Sidewalk Project\CADD\plt\PS-PR05_Edmonstonedgn



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

GPI
www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
ROADWAY PROFILE (EXISTING)

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

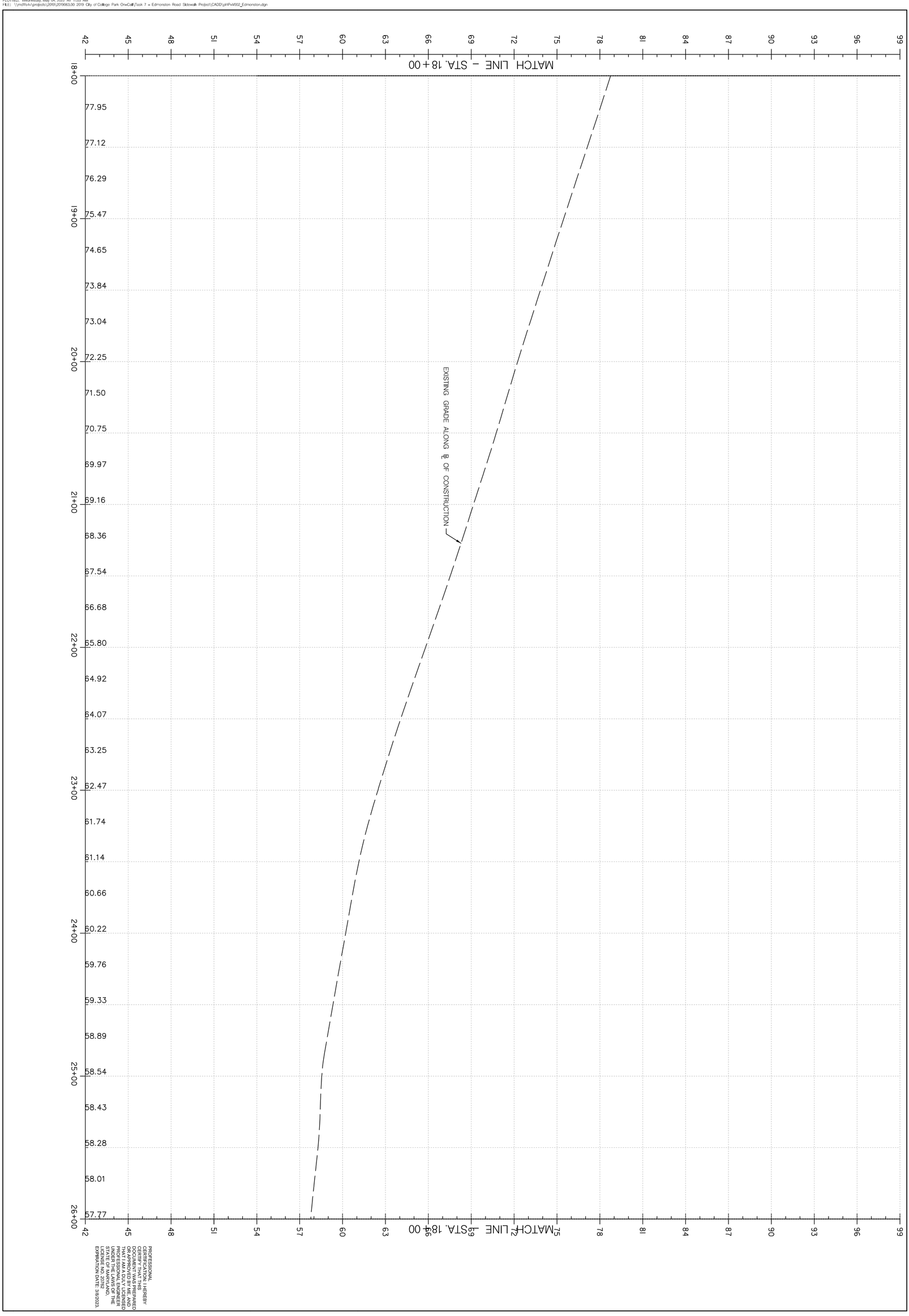
SEAL:
STATE OF MARYLAND
GREGORY WAYNE FRY
No. 20762
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
HP-01	14 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:03 AM
FILE: \\netfile\projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\HP-A000_Elevation.dgn

PLOTTED: Wednesday, May 04, 2022 AT 11:03 AM
FILE: \\mdfls4v\projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 – Edmonston Road Sidewalk Project\CADD\phP-V002_Edmonston.dgn



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20702. EXPIRATION DATE: 3/8/2023.

DRAWING: HP-02
SHEET: 15 OF 47

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FIELDS
NO. 20702
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAWING TITLE
ROADWAY PROFILE (EXISTING)

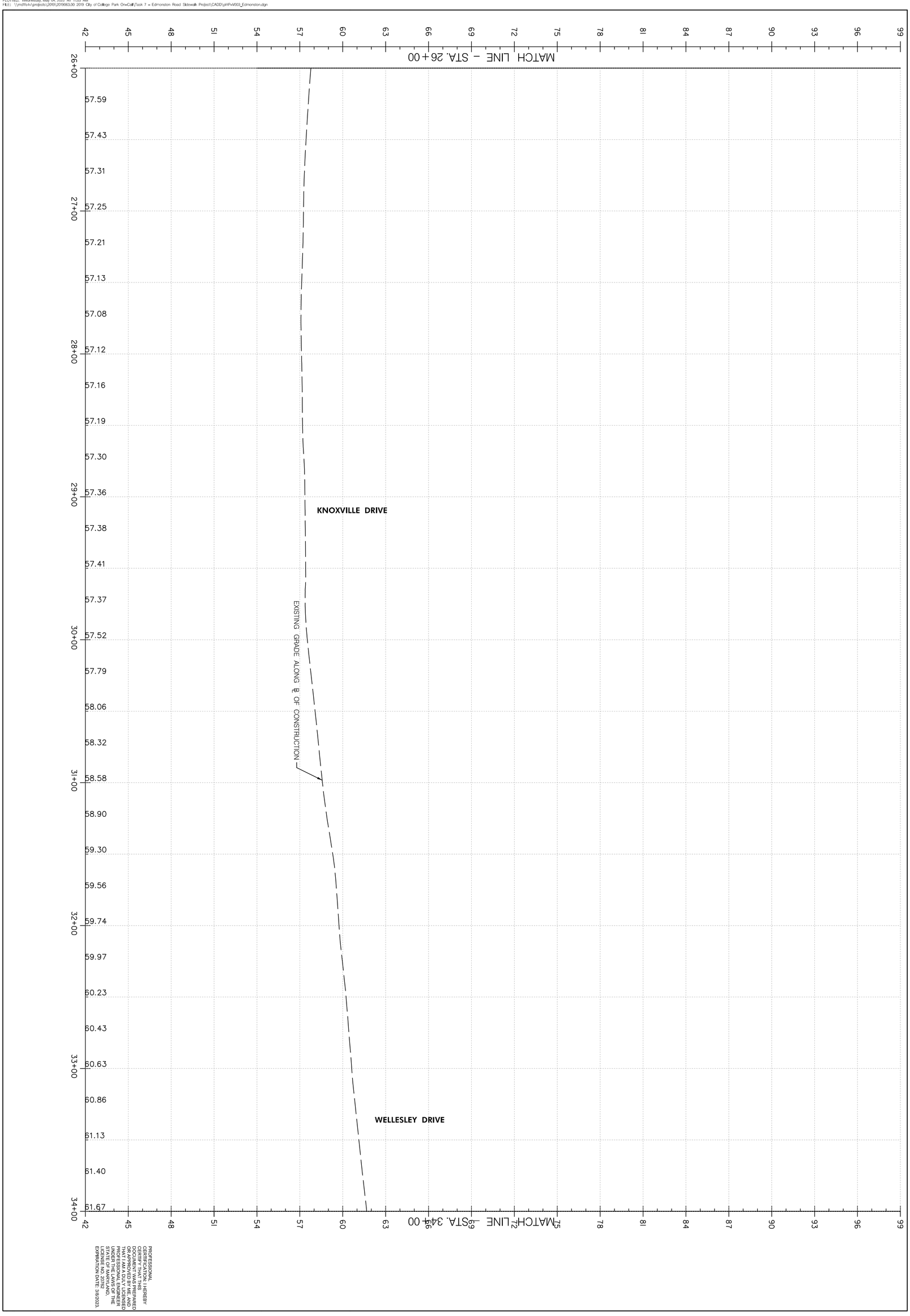
PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

GPI
www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

DATE	REVISIONS

PLOTTED: Wednesday, May 04, 2022 AT 11:03 AM
FILE: \\mdfiles\projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 – Edmonston Road Sidewalk Project\CADD\phP-H003_Edmonston.dgn



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20702 EXPIRATION DATE: 3/8/2023.

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FISHER
No. 20702
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAWING TITLE
ROADWAY PROFILE (EXISTING)

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

GPI
www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
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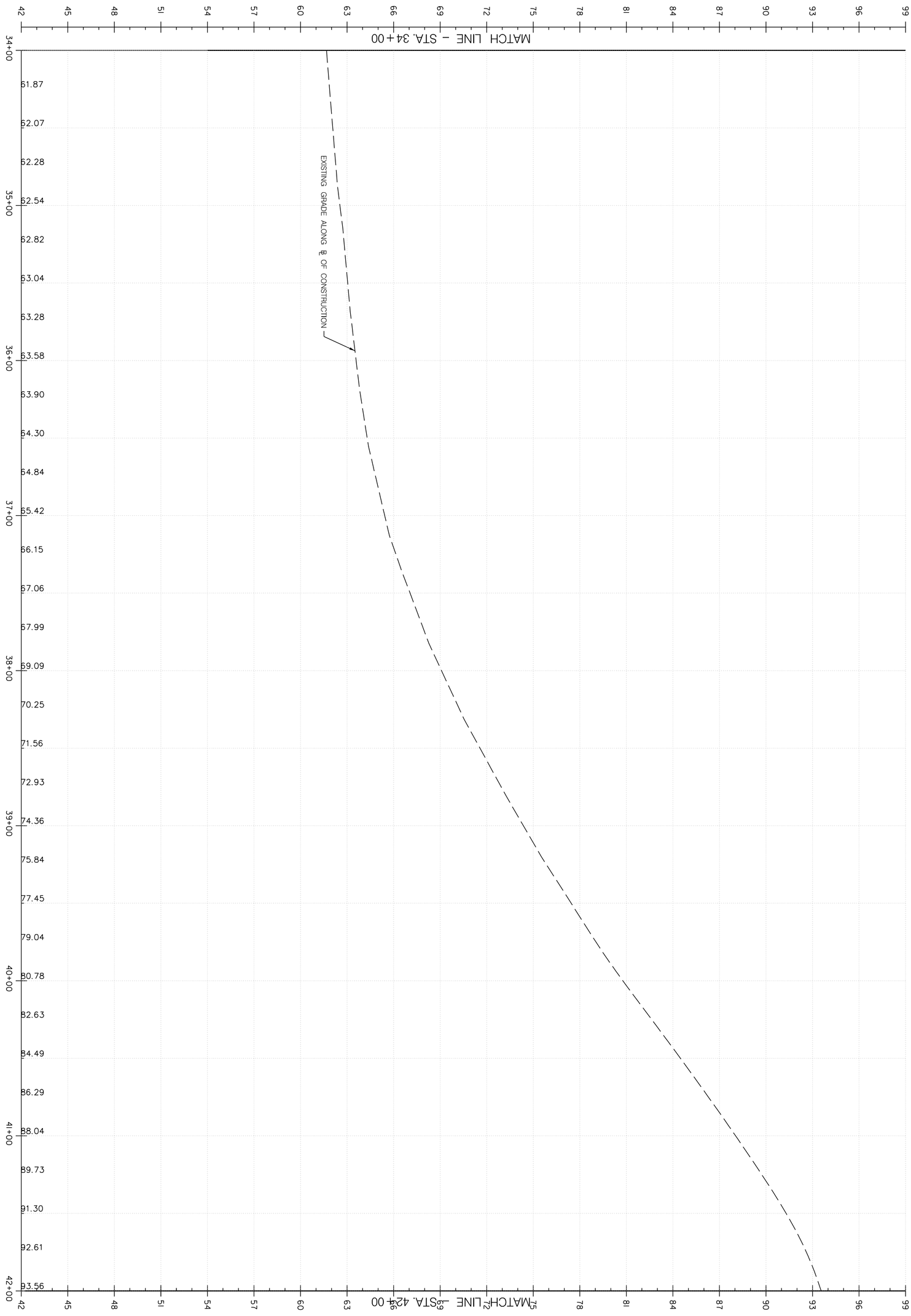
OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

DATE	REVISIONS

DRAWING: HP-03
SHEET 16 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:17 AM
FILE: \\mdfile4\Projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 – Edmonston Road Sidewalk Project\CADD\pl-P-004_Edmonston.dgn



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762, EXPIRATION DATE: 3/4/2023

SEAL:

STATE OF MARYLAND
GREGORY W. PAUL
No. 20762
PROFESSIONAL ENGINEER
5/4/2022

DRAWING TITLE

ROADWAY PROFILE (EXISTING)

PROJECT

EDMONSTON ROAD SIDEWALK IMPROVEMENTS

21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

GPI
www.gpinet.com
Engineering | Design | Planning | Construction Management

Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

OWNER / DEVELOPER:

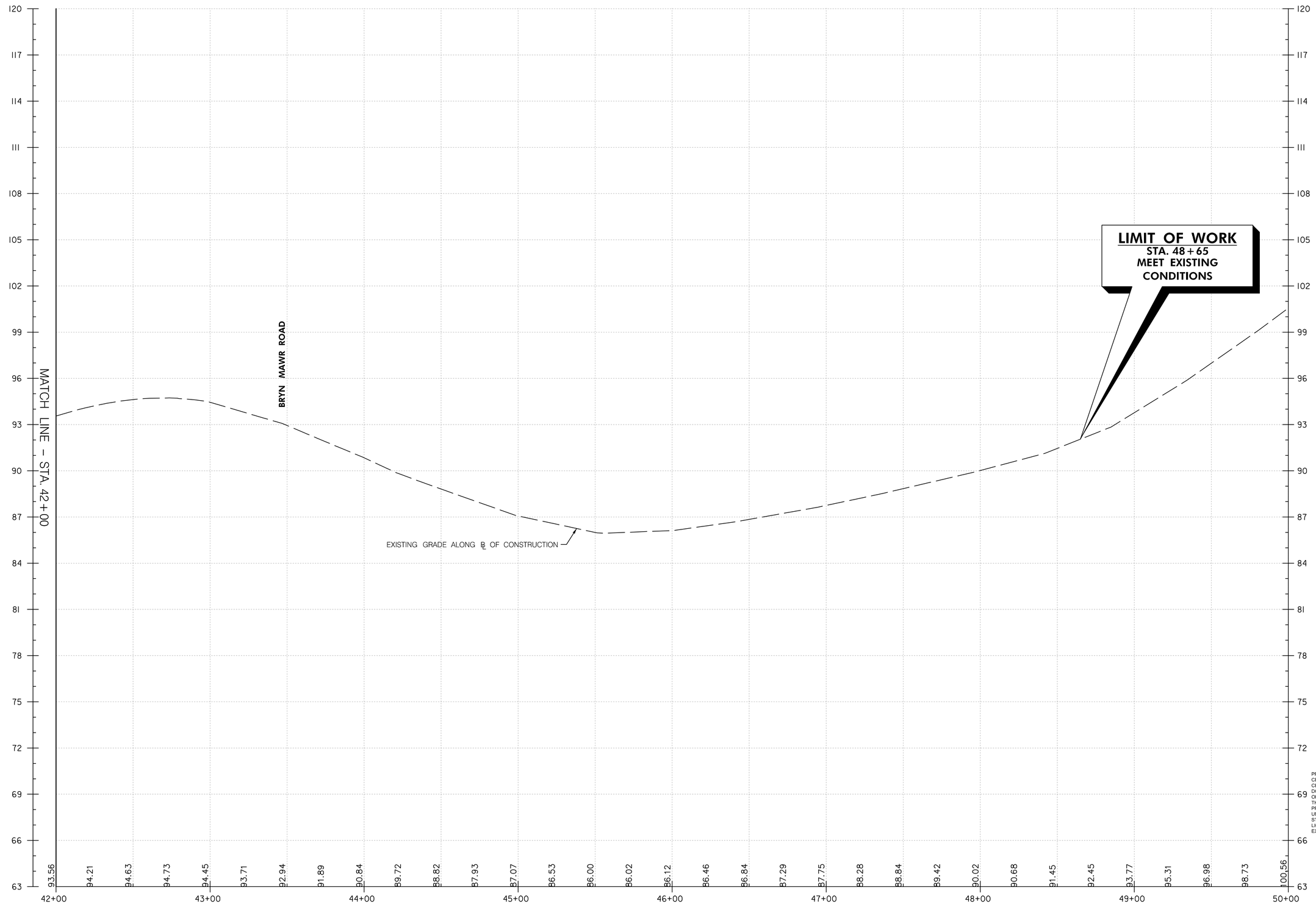
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

DATE	REVISIONS

DRAWING HP-04

SHEET 17 OF 47

DRAFTING: ADW CHECKED: GWP
PLOT DATE: APRIL 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

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www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
ROADWAY PROFILE (EXISTING)

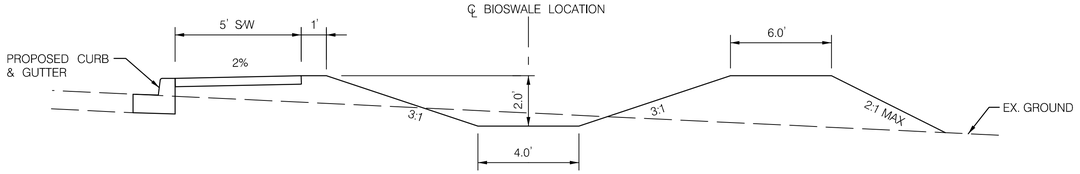
PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAIR
NO. 20762
REGISTERED
PROFESSIONAL ENGINEER
5/4/2022

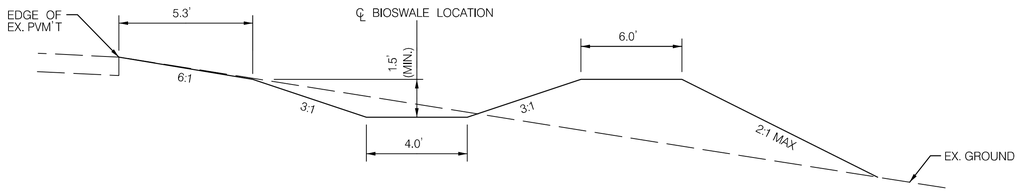
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
HP-05	18 OF 47

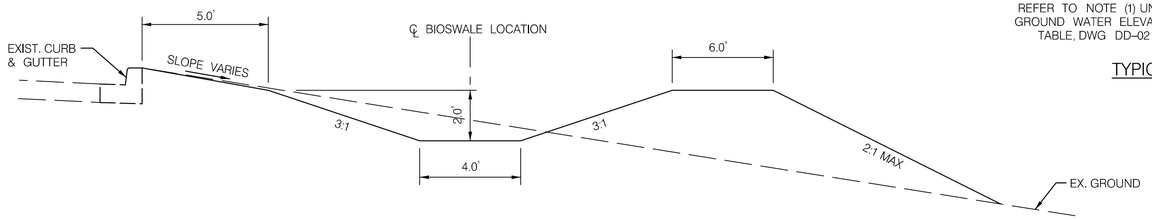
PLOTTED: Wednesday, May 04, 2022 AT 11:03 AM
FILE: \\rmtfs\Projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\pnl\P-A005_Edmonston.dgn



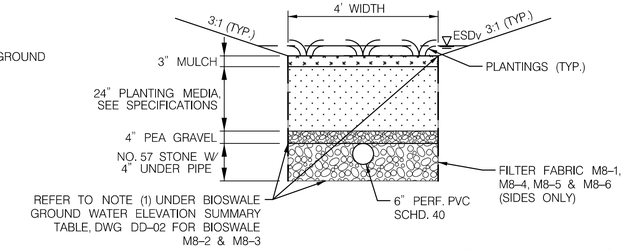
TYPICAL BIOSWALE SECTION
M8–1, M8–2, M8–3 & M8–4
NOT TO SCALE



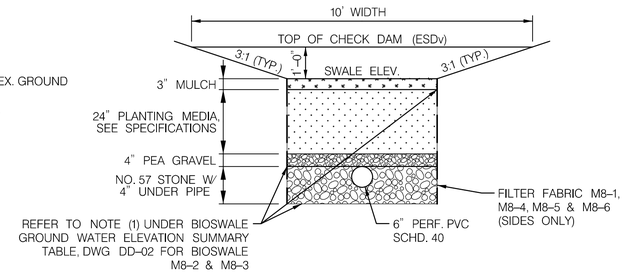
TYPICAL BIOSWALE SECTION
M8–5
NOT TO SCALE



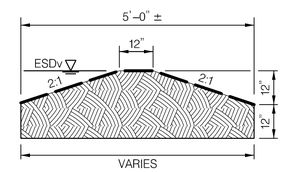
TYPICAL BIOSWALE SECTION
M8–6
NOT TO SCALE



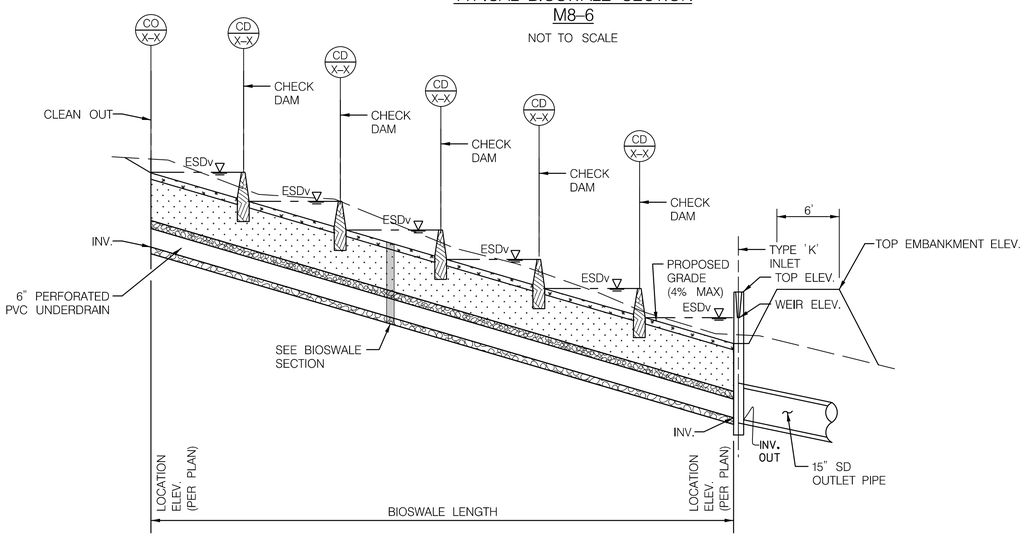
TYPICAL SECTION AT BIOSWALE M8–1, M8–4, M8–5 & M8–6
NOT TO SCALE



TYPICAL SECTION AT BIOSWALE M8–1, M8–4, M8–5 & M8–6
WITH CHECK DAM
NOT TO SCALE



CHECK DAM DETAIL
NOT TO SCALE



TYPICAL BIOSWALE PROFILE
NOT TO SCALE

MATERIAL SPECIFICATIONS FOR BIOSWALES

MATERIAL	SPECIFICATION	SIZE	COMMENT
PLANTINGS	N/A	N/A	SEE DRAWINGS LD-01 & LD-02
PLANTING MEDIA	SAND - 60% TOPSOIL - 35% LEAF COMPOST - 5%	N/A	N/A
MULCH	SHREDDED HARDWOOD	N/A	3" MIN.
BRIDGING LAYER	WASHED STONE	⅛"-⅜"	
UNDERDRAIN GRAVEL	NO. 57 STONE	N/A	
UNDERDRAIN PIPING	F758, TYPE PS-28 OR AASHTO M-278	6" RIGID SCD 40 PVC OR SDR35	3/8" PERF AT 6" O.C., FOUR HOLES PER ROW, MIN. 3" GRAVEL OVER PIPES
FILTER FABRIC (GEOTEXTILE)	F758, TYPE PS-28 OR AASHTO M-278	N/A	MDSHA STD. 919.12

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

The above approval is conditioned upon the following:

- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.
- Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.
- **This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.**

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20752 EXPIRATION DATE: 3/8/2023.

Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 09:36:16 -05'00'

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

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Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
STORMWATER MANAGEMENT NOTES AND DETAILS

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FILAR
No. 20752
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: AS SHOWN
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
DD-01	19 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:03 AM
FILE: \\mwfhv1projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\JOHN\DD_Edmonston.dgn

DRAINAGE STRUCTURE SCHEDULE							
STRUCTURE	LOCATION	INVERT IN	INVERT OUT	WEIR ELEV.	TOP ELEV.	STD. NO.	INSPECTED BY
I-1	STA. 12+70, 27.9' RT.**	79.92	74.32	84.0	85.25	TYPE 'K', MD 378.03	CITY OF COLLEGE PARK DPW
I-2	STA. 13+47, 14.0' RT.*	-	85.24	-	86.32	5' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-3	STA. 16+00, 13.5' RT.*	-	84.44	-	85.52	5' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-4	STA. 17+10, 27.7' RT.**	76.92	74.27	81.0	82.25	TYPE 'K', MD 378.03	CITY OF COLLEGE PARK DPW
I-5	STA. 18+02, 13.6' RT.*	-	77.60	-	78.68	5' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-6	STA. 20+73, 13.5' RT.*	-	68.85	-	69.93	10' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-7	STA. 22+52, 28.9' RT.**	58.92	56.29	63.0	64.25	TYPE 'K', MD 378.03	CITY OF COLLEGE PARK DPW
I-8	STA. 22+96, 13.6' RT.*	-	61.63	-	62.71	5' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-9	STA. 25+50, 13.6' RT.*	-	57.09	-	58.17	5' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-10	STA. 26+18, 29.0' RT.**	51.92	51.72	56.0	57.25	TYPE 'K', MD 378.03	CITY OF COLLEGE PARK DPW
I-11	STA. 26+99, 13.6' RT.*	-	56.03	-	57.11	5' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-12	STA. 28+38, 13.6' RT.*	-	56.10	-	57.18	5' COS, MD 374.68	CITY OF COLLEGE PARK DPW
I-13	STA. 31+00, 13.6' RT.*	-	57.52	-	58.60	10' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-14	STA. 35+60, 13.6' RT.*	-	62.04	-	63.12	10' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-15	STA. 38+36, 29.7' RT.**	65.92	65.72	70.0	71.25	TYPE 'K', MD 378.03	CITY OF COLLEGE PARK DPW
I-16	STA. 39+69, 13.6' RT.*	-	77.56	-	78.64	10' COG, MD 374.68	CITY OF COLLEGE PARK DPW
I-17	STA. 44+32, 24.2' RT.**	83.92	76.38	88.0	89.25	TYPE 'K', MD 378.03	CITY OF COLLEGE PARK DPW
I-18	STA. 29+43, 20.2' LT.*	-	56.94	-	58.12	5' COS, MD 374.68	CITY OF COLLEGE PARK DPW
EW-1	STA. 12+51, 53.5' RT.***	-	-	-	76.00	15" TYPE 'C' EW MD 354.01	CITY OF COLLEGE PARK DPW
EW-2	STA. 17+17, 53.3' RT.***	-	-	-	76.00	15" TYPE 'C' EW MD 354.01	CITY OF COLLEGE PARK DPW
EW-3	STA. 19+26, 30.7' RT.***	-	67.5	-	69.5	15" TYPE 'C' EW MD 354.01	CITY OF COLLEGE PARK DPW
EW-4	STA. 22+75, 44.8' RT.***	-	-	-	58.00	15" TYPE 'C' EW MD 354.01	CITY OF COLLEGE PARK DPW
EW-5	STA. 23+25, 28.9' RT.***	-	56.00	-	58.00	15" TYPE 'C' EW MD 354.01	CITY OF COLLEGE PARK DPW
EW-6	STA. 25+67, 62.9' RT.***	-	-	-	53.00	15" TYPE 'C' EW MD 354.01	CITY OF COLLEGE PARK DPW
EW-7	STA. 28+92, 26.2' RT.***	52.14	52.00	-	55.00	27" TYPE 'C' EW MD 354.01	CITY OF COLLEGE PARK DPW
EW-8	STA. 37+96, 44.8' RT.***	-	-	-	67.50	15" TYPE 'C' EW MD 354.01	CITY OF COLLEGE PARK DPW
EW-9	STA. 44+60, 48.6' RT.***	-	-	-	78.00	15" TYPE 'C' EW MD 354.01	CITY OF COLLEGE PARK DPW
MH-1	STA. 25+92, 23.6' RT.**	51.53	51.33	-	54.74	48" SHALLOW MH MD 383.00	CITY OF COLLEGE PARK DPW

*-LOCATION TO THE CENTER OF INLET AT FACE OF CURB

**-LOCATION TO CENTER OF INLET/MH TOP OF GRATE/COVER

***-LOCATION TO FACE OF EW AT CENTER LINE OF PIPE

PIPE SCHEDULE					
FROM STRUCT. NO.	TO STRUCTURE NO.	SIZE (INCHES)	TYPE	LENGTH (FT.)*	INSPECTED BY
I-1	EW-1	15	RCP CL IV	33	CITY OF COLLEGE PARK DPW
I-4	EW-2	15	RCP CL IV	27	CITY OF COLLEGE PARK DPW
I-7	EW-4	15	RCP CL IV	28.5	CITY OF COLLEGE PARK DPW
EX EW STA. 23+24	EW-5	15	RCP CL IV	10	CITY OF COLLEGE PARK DPW
I-10	MH-1	15	RCP CL IV	25	CITY OF COLLEGE PARK DPW
MH-1	EW-6	15	RCP CL IV	44.5	CITY OF COLLEGE PARK DPW
I-15	EW-8	15	RCP CL IV	43	CITY OF COLLEGE PARK DPW
I-17	EW-9	15	RCP CL IV	38	CITY OF COLLEGE PARK DPW
EX. 15" (STA. 19+26.4, RT)	EW-3	15	RCP CL IV	6**	CITY OF COLLEGE PARK DPW
EX. 27" (STA. 28+91.8, RT)	EW-7	27	RCP CL IV	3**	CITY OF COLLEGE PARK DPW

*-LENGTH GIVEN TO CENTER OF STRUCTURE

**-PIPE EXTENSION TO PROPOSED STRUCTURE

BIOSWALE CHECK DAM SCHEDULE			
CHECK DAM	LOCATION	DITCH ELEV.	TOP ELEV.
CD 6-1	STA. 12+97.5, 26.5' RT.	84.0	85.0
CD 1-3	STA. 16+21, 28.7' RT.	83.0	84.0
CD 1-2	STA. 16+51, 28.4' RT.	82.0	83.0
CD 1-1	STA. 16+81, 28.3' RT.	81.0	82.0
CD 2-5	STA. 21+10, 28.7' RT.	67.0	68.0
CD 2-4	STA. 21+42, 26.8' RT.	66.0	67.0
CD 2-3	STA. 21+70, 28' RT.	65.0	66.0
CD 2-2	STA. 21+98, 28.9' RT.	64.0	65.0
CD 2-1	STA. 22+26, 28.9' RT.	63.0	64.0
CD 4-1	STA. 38+64, 30' RT.	70.0	71.0
CD 4-2	STA. 38+89, 30.9' RT.	71.0	72.0
CD 4-3	STA. 39+14, 31.2' RT.	72.0	73.0
CD 4-4	STA. 39+39, 33.4' RT.	73.0	74.0
CD 5-4	STA. 43+34, 23.2' RT.	91.0	92.0
CD 5-3	STA. 43+58, 23.9' RT.	90.0	91.0
CD 5-2	STA. 43+84, 22.7' RT.	89.0	90.0
CD 5-1	STA. 44+08, 23.4' RT.	88.0	89.0

(LOCATION GIVEN TO CENTER OF CHECK DAM)

BIOSWALE GROUND WATER ELEVATION SUMMARY TABLE									
BORING	BIOSWALE	EX. GROUND ELEV.	DEPTH TO G.W.	G.W. ELEV.	SWALE ELEV.	BOTTOM* FACILITY ELEV.	DEPTH TO G.W.	SEPARATION > 2'
SW-1	M8-6	85.0	11.3'	73.7	83.5	80.1	6.4'	YES
SW-2	M8-1	80.0	N/A	-	-	-	-	-
SW-3	M8-2	68.0	10.7	57.3	66.5	63.1	5.8'	YES
SW-4	M8-2	63.5	4.2	59.3	62.0	58.6	G.W. ABOVE BOTTOM	NO (1)
SW-5	M8-3	56.0	4.1	51.9	55.0	51.6	G.W. ABOVE BOTTOM	NO (1)
SW-6	M8-4	70.0	10.2	59.8	69.0	65.6	5.8'	YES
SW-7	M8-4	74.0	12.8	61.2	73.2	69.8	8.6'	YES
SW-8	M8-5	85.5	N/A	-	-	-	-	-

*-BASED ON 3.42' BIOSWALE SECTION

N/A – NO GROUNDWATER ENCOUNTERED

(1)-DUE TO PRESENCE OF GROUNDWATER, HDPE OR REINFORCED POLYETHYLENE (RPE) GEOMEMBRANE IMPERVIOUS LINER TO BE INSTALLED ALONG SIDES AND BOTTOM OF BIOSWALE AS INDICATED ON BIOSWALE TYPICAL SECTION

BIOSWALE CLEANOUT SCHEDULE					
BIOSWALE	CLEANOUT	LOCATION	DITCH ELEV.	TOP ELEV.	INVERT ELEV.
M8-6	CO 6-1	13+44, 26.6' RT	85.0	85.5	81.92
M8-1	CO 1-1	15+96, 29.0' RT	84.0	84.5	80.92
M8-2	CO 2-2	20+67, 29.4' RT	68.0	68.5	64.92
M8-2	CO 2-1	21+58, 29.1' RT	65.5	66.1	62.42
M8-3	CO 3-1	26+20, 29.0' RT	55.3	55.8	52.32
M8-4	CO 4-1	39+64, 39.5' RT	74.0	74.5	71.42
M8-5	CO 5-1	43+08, 23.8' RT	92.0	92.5	88.92

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

The above approval is conditioned upon the following:

- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.
- Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.
- **This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.**

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Prince George's County Government
Department of Permitting, Inspections and Enforcement
Site/Roadway Plan Review Division
Edmonston Road Sidewalk Improvements

FINAL PLAN BMP SUMMARY TABLE

Revision Date:

Project Name: Edmonston Road Sidewalk Improvements | **Concept No.: 9211-2021-00** | **Permit No.:** | **Total Site Acreage: 2.47**

POI	LABEL	NAME	MD NORTH	MD EAST	LAND USE	CONSTRUCTION PURPOSE	DRAINAGE AREA (AC)	TOTAL IMPERVIOUS AREA (AC)	NEW IMPERVIOUS AREA (AC)	EXISTING IMPERVIOUS AREA (AC)	PERCENT IMPERVIOUS	Rv	TARGET PE (IN)	TARGET VOL (CF)	DESIGN VOL (CF) USING STRUCTURAL PRACTICES	MAX ESD VOL (ESD MAX) (CF)	RCN	ON/OFF SITE
POI 1	M8-6	BIOSWALE	476773.6546	1336860.0440	Residential	NEW DEVELOPMENT	0.10	0.03	0	0.03	33.4	0.35	1.6	195	N/A	329	68	ON SITE
LOI 1	M8-1	BIOSWALE	477109.9252	1336950.8260	Residential	NEW DEVELOPMENT	0.12	0.07	0.02	0.05	54.8	0.54	1.8	443	N/A	664	85	ON SITE
LOI 1	M8-2	BIOSWALE	477618.2476	1337061.4597	Residential	NEW DEVELOPMENT	0.21	0.12	0.03	0.09	57.3	0.57	1.8	761	N/A	1142	87	ON SITE
LOI 1	M8-3	BIOSWALE	478104.6983	1337055.3036	Residential	NEW DEVELOPMENT	0.16	0.11	0.02	0.09	69.7	0.68	1.8	688	N/A	777	93	ON SITE
LOI 2	M8-4	BIOSWALE	479133.5226	1337684.3679	Residential	NEW DEVELOPMENT	0.21	0.13	0.05	0.08	59	0.58	1.8	808	N/A	838	92	ON SITE
POI 4	M8-5	BIOSWALE	479551.0702	1337902.4395	Residential	NEW DEVELOPMENT	0.12	0.05	0	0.05	43.4	0.44	1.8	345	N/A	577	75	ON SITE
ESD PROVIDED:	POI 1 = 329 CF LOI 1 = 2,583 CF LOI 2 = 838 CF POI 4 = 577 CF TOTAL PROVIDED : 4,267 CF						TOTAL IMPERVIOUS = 0.51 AC											

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

Gregory Filar Digitally signed by Gregory Filar Date: 2022.11.17 09:38:22 -05'00'

REVISIONS | DATE

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

GPI
Engineering | Design | Planning | Construction Management
www.gpinet.com
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

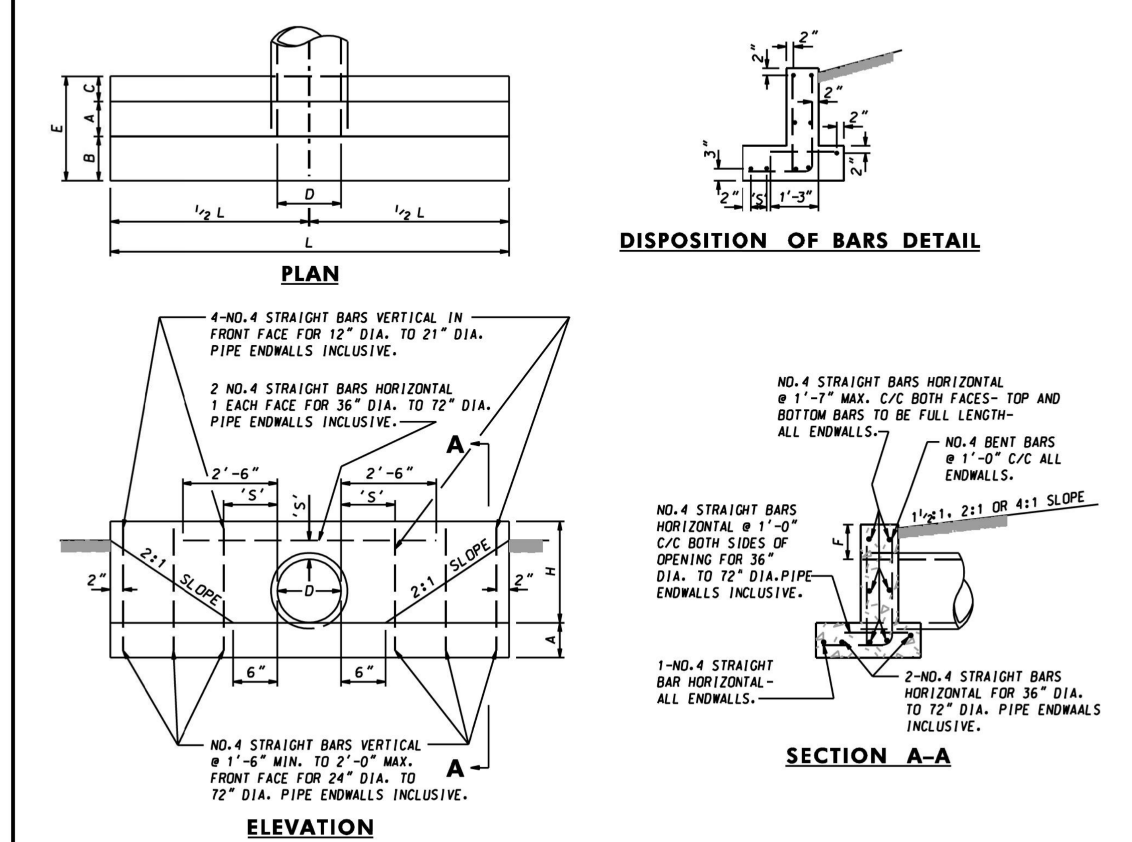
DRAWING TITLE
STORMWATER MANAGEMENT NOTES, DETAILS, AND DRAINAGE SCHEDULES

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FILAR
NO. 20762
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: NTS
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
DD-02	20 OF 47



QUANTITIES FOR ESTIMATING PURPOSES ONLY

OPENING		DIMENSIONS							QUANTITIES	
D INCHES	AREA SQ.FT.	A	B	C	E	F	H	L	CONC. C.Y.	STEEL LBS.
12	0.79	9"	6"	6"	1'-9"	9"	1'-9"	6'-6"	0.61	41
15	1.23	9"	6"	6"	1'-9"	9"	2'-0"	7'-9"	0.77	47
18	1.77	9"	6"	6"	1'-9"	9"	2'-3"	9'-0"	0.95	54
21	2.40	9"	6"	6"	1'-9"	9"	2'-6"	10'-3"	1.14	70
24	3.14	9"	14"	6"	2'-5"	9"	2'-9"	11'-6"	1.56	80
27	3.98	9"	14"	6"	2'-5"	9"	3'-0"	12'-10"	1.82	88
30	4.91	9"	14"	6"	2'-5"	12"	3'-6"	14'-2"	2.22	98
33	5.94	9"	14"	6"	2'-5"	12"	3'-9"	15'-5"	2.48	105
36	7.07	12"	16"	10"	3'-2"	12"	4'-0"	16'-8"	4.16	182
42	9.62	12"	16"	10"	3'-2"	12"	4'-6"	19'-2"	5.07	206
48	12.57	12"	16"	10"	3'-2"	12"	5'-0"	21'-8"	6.09	244
54	15.90	12"	20"	12"	3'-8"	12"	5'-6"	24'-2"	7.62	275
60	19.64	12"	20"	12"	3'-8"	12"	6'-0"	26'-8"	8.82	304
72	28.27	12"	20"	12"	3'-8"	12"	7'-0"	31'-8"	11.46	377

'S' DISTANCES

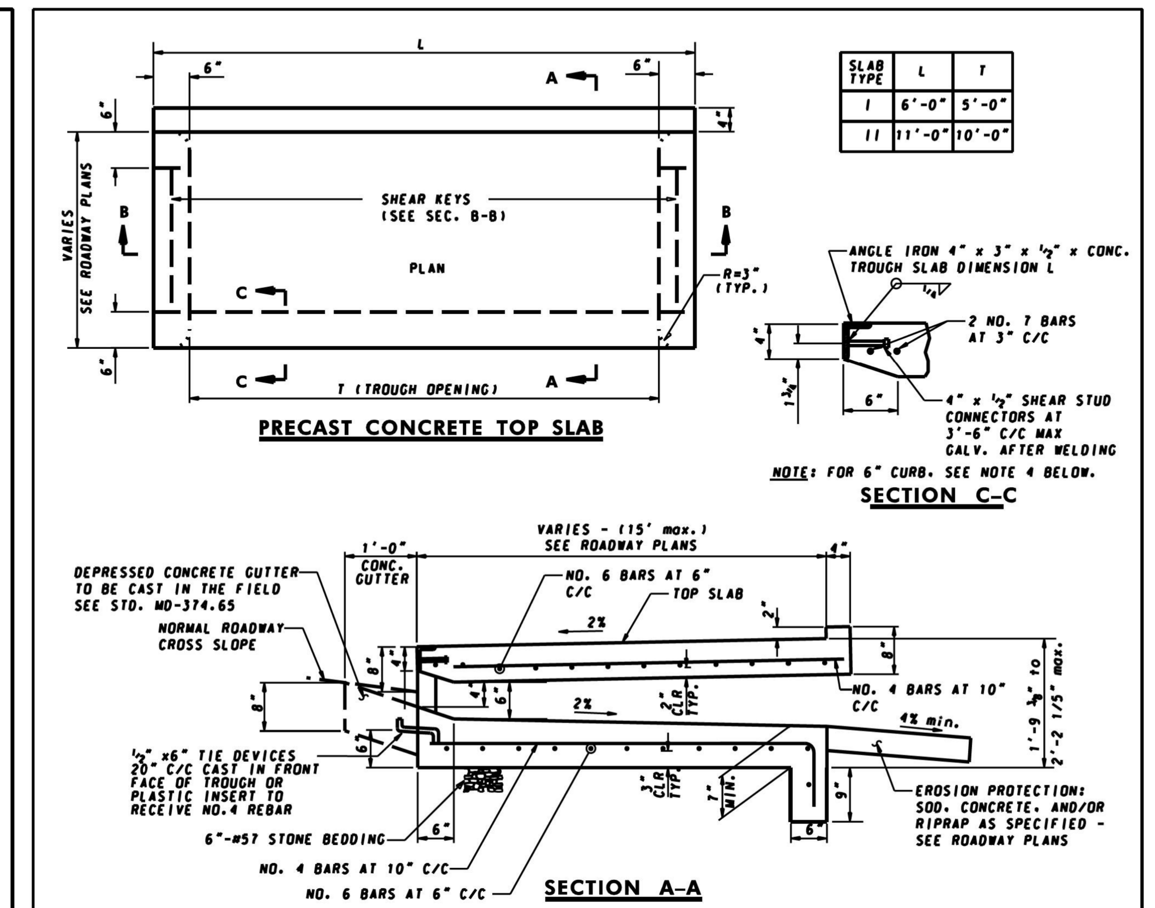
4" FOR 12" DIA. TO 21" DIA. PIPES INCLUSIVE.
6" FOR 24" DIA. TO 36" DIA. PIPES INCUSIVE.
8" FOR 42" DIA. TO 72" DIA. PIPES INCLUSIVE.

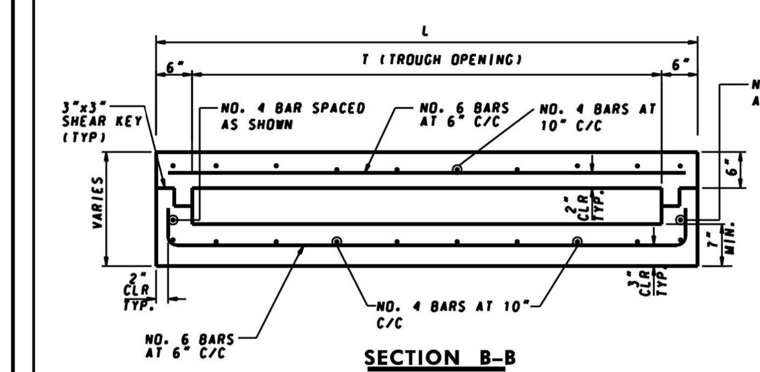
GENERAL NOTES

SPECIFICATIONS: LATEST S.H.A.
CONCRETE SHALL BE MIX NO.2
REINFORCING: DEFORMED STEEL BARS-NO.4
CHAMFER: ALL EXPOSED EDGES 1"x1" OR AS DIRECTED

SPECIFICATION 305 | CATEGORY CODE ITEMS
APPROVED — DIRECTOR – OFFICE OF HIGHWAY DEVELOPMENT
APPROVAL • SHA REVISIONS: APPROVAL 8-28-86; REVISED 10-1-01; REVISED; REVISED
APPROVAL • FEDERAL HIGHWAY ADMINISTRATION: APPROVAL 12-12-86; REVISED; REVISED; REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
STANDARD TYPE C ENDWALL
METAL OR CONCRETE ROUND PIPE
STANDARD NO. MD 354.01



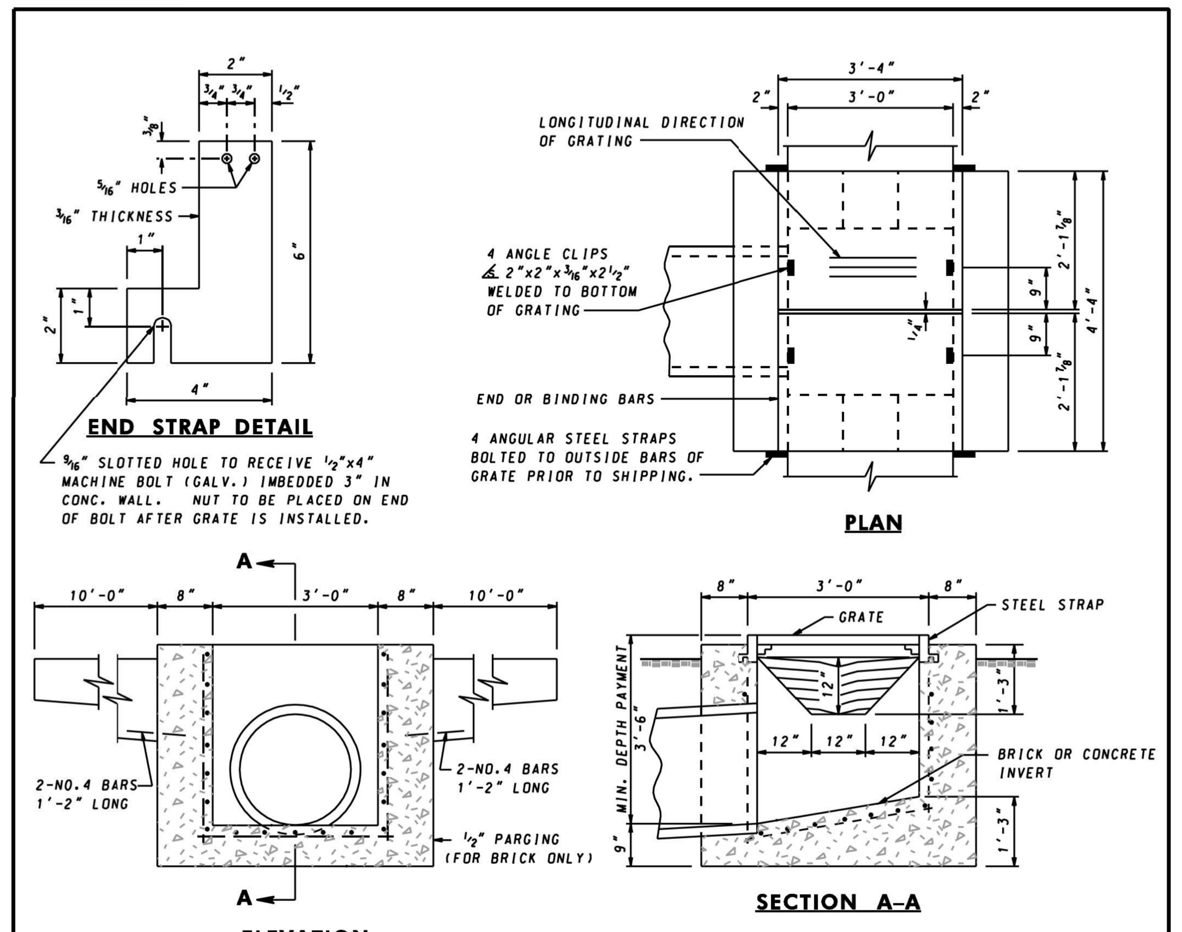


NOTES:

1. CONCRETE SHALL BE MIX # 6 (4500 PSI).
2. REINFORCEMENT STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615. GRADE 60.
3. ANGLE IRON AND SHEAR STUD CONNECTORS SHALL BE GALVANIZED AFTER WELDING IN ACCORDANCE WITH ASTM A 123.
4. FOR 6" CURB. REFER TO MD 374.55-01. SECTIONS C-C AND D-D.
5. EROSION PROTECTION TO BE PAID FOR SEPARATELY.

SPECIFICATION 305 | CATEGORY CODE ITEMS
APPROVED — DIRECTOR – OFFICE OF HIGHWAY DEVELOPMENT
APPROVAL • SHA REVISIONS: APPROVAL 12-19-01; REVISED 1-9-08; REVISED; REVISED
APPROVAL • FEDERAL HIGHWAY ADMINISTRATION: APPROVAL 7-15-02; REVISED 11-26-07; REVISED; REVISED

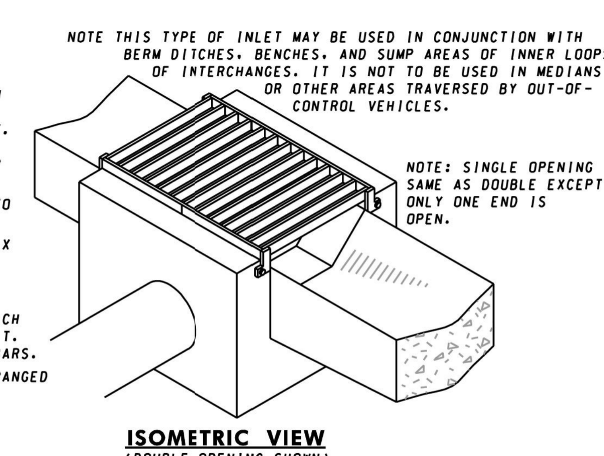
Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
PRECAST OR CAST-IN-PLACE
COG /COS OPENING FOR 8" CURB
5' OR 10' ONLY
STANDARD NO. MD 374.68



NOTES

1. THE CONCRETE VALLEY GUTTER TO BE USED IN CONNECTION WITH THIS INLET. WILL BE WARPED FROM THE STANDARD SECTION TO MEET THE SECTION AT THE END OF THE INLET. THIS TRANSITION WILL TAKE PLACE WITH A DISTANCE OF TEN (10) FEET FROM THE INLET. GUTTER TO BE PAID FOR SEPARATELY.
2. PIPE OUTLETS AND GUTTER APPROACHES CAN BE REVISED TO MEET EXISTING CONDITIONS.
3. INLET MAY BE CONSTRUCTED OF REINFORCED CONCRETE (MIX NO.2) OR BRICK. CHAMFER INSIDE CORNER ¾"x¾". REINFORCEMENT NO.4 BARS @ 6" C/C. 2" COVER.
4. GRATINGS ARE SUBJECT TO APPROVAL FOR EACH JOB. ANY TYPE OF SUBSTANTIAL TRANSVERSE BARS MAY BE USED WHICH WILL SUPPORT A MINIMUM UNIFORM LOAD OF 50 LBS./SQ.FT. THE TRANSVERSE BARS SHALL BE HELD RIGID BY SPACER BARS.
5. AREA TO BE MADE UP OF TWO EQUAL PANELED WIDTHS. ARRANGED FOR BOLTING TOGETHER IN THE FIELD.
6. ALL MATERIAL TO BE HOT DIPPED GALVANIZED.

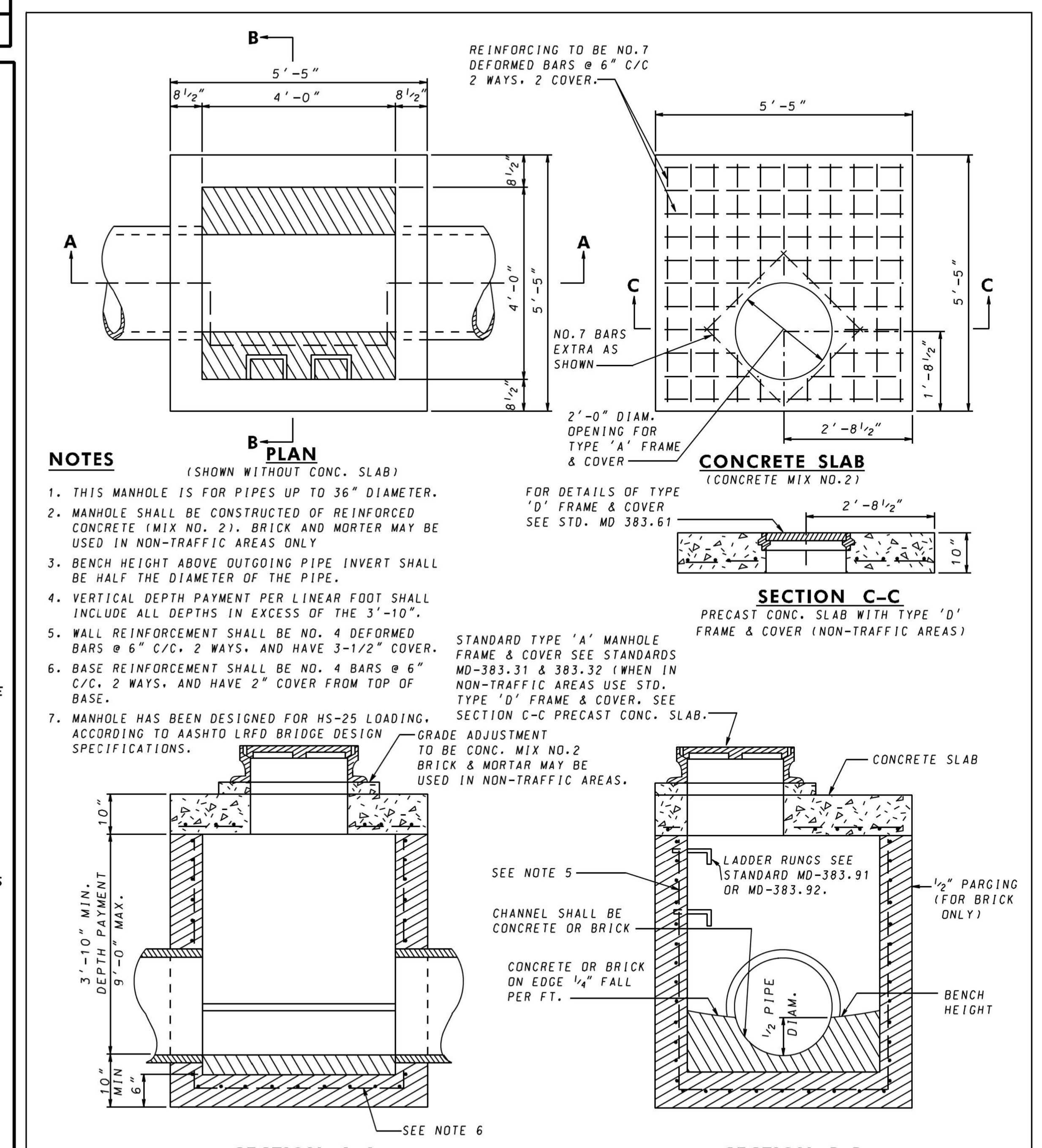
NOTE THIS TYPE OF INLET MAY BE USED IN CONJUNCTION WITH BERM DITCHES. BENCHES. AND SUMP AREAS OF INNER LOOPS OF INTERCHANGES. IT IS NOT TO BE USED IN MEDIANS OR OTHER AREAS TRAVERSED BY OUT-OF-CONTROL VEHICLES.



ISOMETRIC VIEW
(DOUBLE OPENING SHOWN)

SPECIFICATION 305 | CATEGORY CODE ITEMS
APPROVED — DIRECTOR – OFFICE OF HIGHWAY DEVELOPMENT
APPROVAL • SHA REVISIONS: APPROVAL 1-23-69; REVISED 10-1-01; REVISED; REVISED
APPROVAL • FEDERAL HIGHWAY ADMINISTRATION: APPROVAL 2-6-69; REVISED 6-23-87; REVISED; REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
STANDARD SINGLE OR DOUBLE OPENING
TYPE K INLET OPEN-END GRATE
NON-TRAFFIC AREAS
STANDARD NO. MD 378.03



NOTES

1. THIS MANHOLE IS FOR PIPES UP TO 36" DIAMETER.
2. MANHOLE SHALL BE CONSTRUCTED OF REINFORCED CONCRETE (MIX NO. 2). BRICK AND MORTER MAY BE USED IN NON-TRAFFIC AREAS ONLY
3. BENCH HEIGHT ABOVE OUTGOING PIPE INVERT SHALL BE HALF THE DIAMETER OF THE PIPE.
4. VERTICAL DEPTH PAYMENT PER LINEAR FOOT SHALL INCLUDE ALL DEPTHS IN EXCESS OF THE 3'-10".
5. WALL REINFORCEMENT SHALL BE NO. 4 DEFORMED BARS @ 6" C/C. 2 WAYS. AND HAVE 3-1/2" COVER.
6. BASE REINFORCEMENT SHALL BE NO. 4 BARS @ 6" C/C. 2 WAYS. AND HAVE 2" COVER FROM TOP OF BASE.
7. MANHOLE HAS BEEN DESIGNED FOR HS-25 LOADING. ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

SPECIFICATION 305 | CATEGORY CODE ITEMS
APPROVED — DIRECTOR – OFFICE OF HIGHWAY DEVELOPMENT
APPROVAL • SHA REVISIONS: APPROVAL 10-1-01; REVISED 10-1-01; REVISED 10-7-14; REVISED
APPROVAL • FEDERAL HIGHWAY ADMINISTRATION: APPROVAL 3-1-83; REVISED 4-26-89; REVISED 9-29-14; REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
48" SQUARE
STANDARD SHALLOW MANHOLE
STANDARD NO. MD 383.00

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

The above approval is conditioned upon the following:

- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.
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Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Issuance Date: 11/16/2022
Address: , Maryland
NGA
Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

REVISIONS | DATE

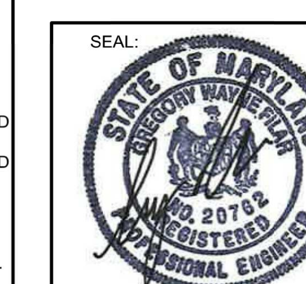
OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

GPI
Engineering | Design | Planning | Construction Management
www.gpinet.com
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
DRAINAGE DETAILS

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:



5/4/2022

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Gregory Filar Digitally signed by Gregory Filar Date: 2022.11.17 09:39:12 -05'00'

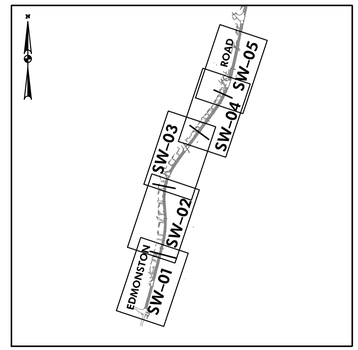
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: NTS
PROJECT NUMBER: 2019063.07

DRAWING DD-03 | SHEET 21 OF 47

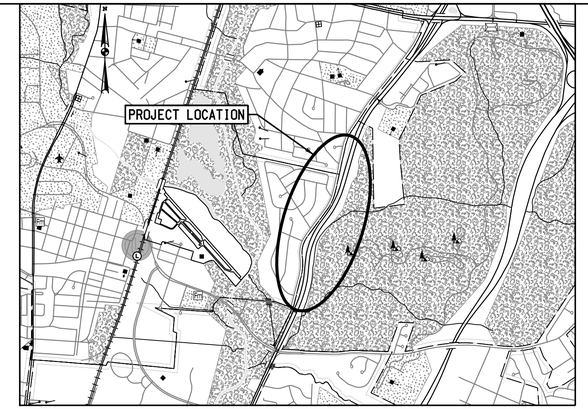
PLOTTED: Wednesday, May 04, 2022 AT 11:04 AM
FILE: \\md1fs4v\projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\pSW-D003_Edmonston.dgn

LEGEND

	REINFORCED CONCRETE SIDEWALK		RIPRAP INFLOW /OUTLET PROTECTION
	CONCRETE SIDEWALK		BIOSWALE
LOD	LIMITS OF DISTURBANCE	SB	60' STREAM BUFFER
60	PROPOSED CONTOURS	CL	CENTERLINE OF STREAM
60	EXISTING CONTOURS	W	WETLAND
C	LIMIT OF CUT	WB	25' WETLAND BUFFFER
F	LIMIT OF FILL	CcC TYPE D SOIL / UdaF TYPE D SOIL	SOIL BOUNDARY
PMA	PRIMARY MANAGEMENT AREA		CHECK DAM
	EX. SHA RIGHT-OF-WAY	CD 1-1	CHECK DAM NUMBER
	EX. PROPERTY LINE	CO 1-1	CLEAN OUT NUMBER
	SWM SOIL BORING		D.A. TO BIOSWALE
	DRAINAGE MAINTENANCE AND INSPECTION EASEMENT		



SITE PLAN KEY
SCALE: 1" = 1000'



VICINITY MAP
SCALE: 1" = 2,000'

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

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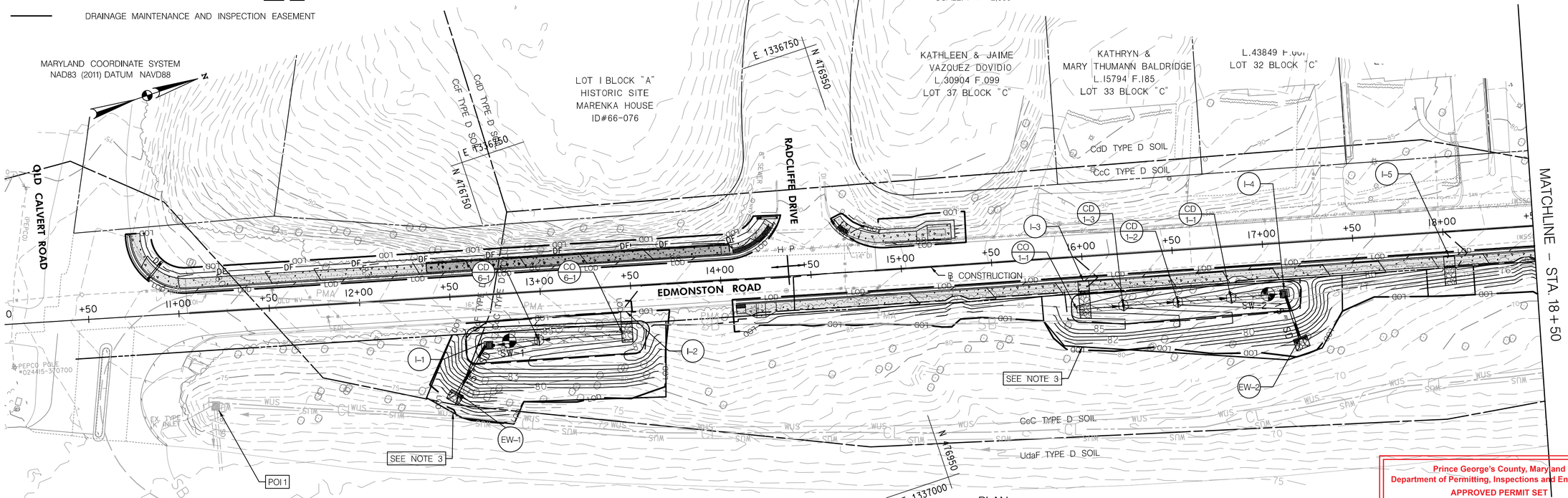

PLAN
SCALE: 1" = 30'

PLAN
SCALE: 1" = 30'

30' 0 30' 60'
SCALE: 1" = 30'

ROCK (CLASS I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 1	4 S.Y.
EW – 2	4 S.Y.

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 13+43.57 TO STA. 13+49.57 RT	7.5 S.Y.
STA. 15+96.89, TO STA. 16+02.89 RT	10 S.Y.
STA. 17+99.50, TO STA. 18+05.50 RT	7.5 S.Y.

BIOSWALE LOCATION TABLE

BIOSWALE	LOCATION/ELEVATION
M8–6	STA. 12+72, 28.2' RT, ELEV. 83.0 TO STA. 13+50, 27.8' RT, ELEV. 85.0
M8–1	STA. 15+95, 29.0' RT, ELEV. 84.0 TO STA. 17+10, 27.9' RT, ELEV. 80.0

NOTES
1. REFER TO DWG DP–01 AND DP–02 FOR BIOSWALE PROFILES.
2. REFER TO DWG DD–01 AND DD–02 FOR SWM DETAILS DRAINAGE STUCTURE DATA AND BIOSWALE SUMMARY TABLE.
3. PROPOSED DRAINAGE, MAINTENANCE AND INSPECTION EASEMENT.

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA–DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA–DOWNER	D
CdD	CHRISTINA–DOWNER	D
RuB	RUSSETT–CHRISTINA	D

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

Gregory Filar Digitally signed by Gregory Filar Date: 2022.11.17 09:39:59 -05'00'

REVISIONS	DATE

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

www.gpinet.com
GPI
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
STORMWATER MANAGEMENT PLAN

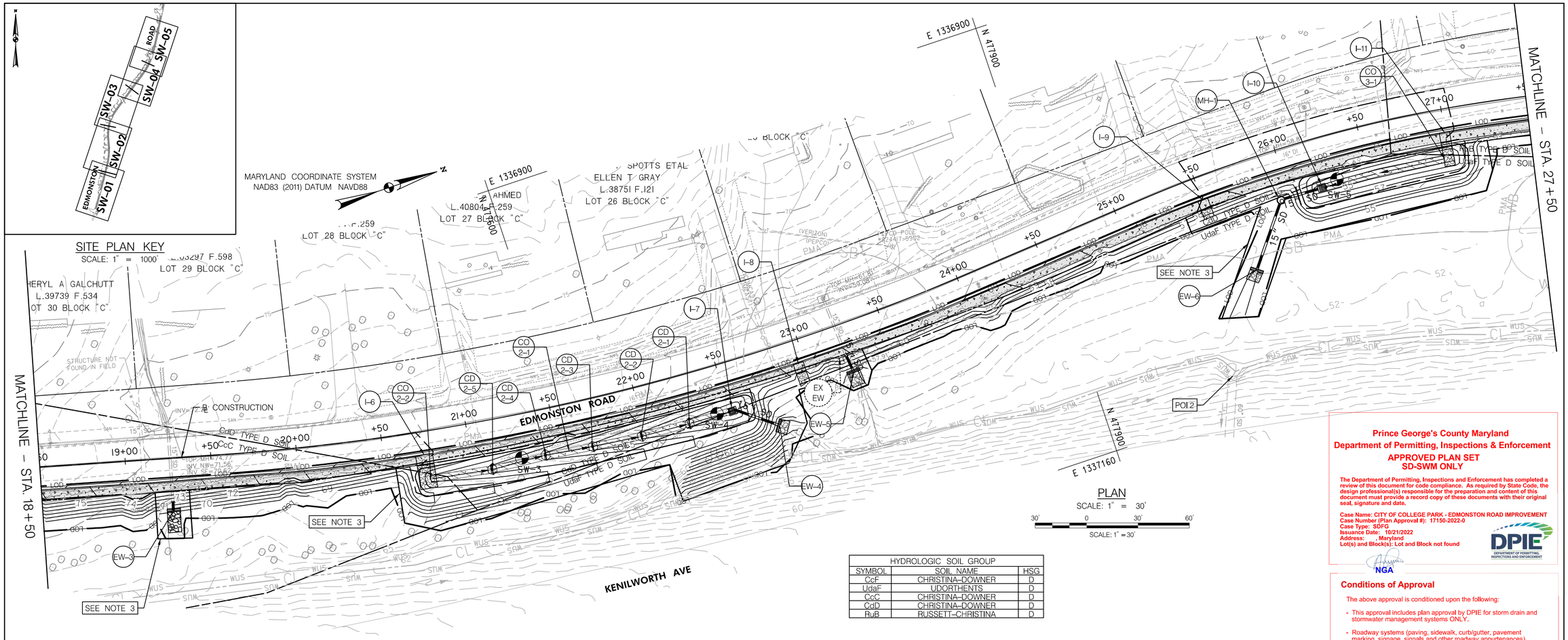
PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FILAR
No. 20762
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SW-01	22 OF 47

PLOTTED: Monday, August 29, 2022 AT 12:37 PM
FILE: N:\2019\2019063.00_2019 City of College Park - Edmonston Road Sidewalk Project\CADD\plans\DP01_Edmonston.dgn



HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA–DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA–DOWNER	D
CdD	CHRISTINA–DOWNER	D
RuB	RUSSETT–CHRISTINA	D

ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 3	11.1 S.Y.
EW – 4	4.6 S.Y.
EW – 5	5.3 S.Y.
EW – 6	5.3 S.Y.

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 20+68.29 TO STA. 20+78.14 RT	15.5 S.Y.
STA. 22+93.18 TO STA. 22+99.00 RT	5.5 S.Y.
STA. 25+47.28 TO STA. 25+53.43 RT	3.6 S.Y.
STA. 26+96.37 TO STA. 27+02.52 RT	9.5 S.Y.

LEGEND

	CONCRETE SIDEWALK		RIPRAP INFLOW /OUTLET PROTECTION
LOD	LIMITS OF DISTURBANCE/GRADING		BIOSWALE
60	PROPOSED CONTOURS	SB	60' STREAM BUFFER
60	EXISTING CONTOURS	CL	CENTERLINE OF STREAM
C	LIMIT OF CUT	W	WETLAND
F	LIMIT OF FILL	WB	25' WETLAND BUFFFER
PMA	PRIMARY MANAGEMENT AREA	CcC TYPE D SOIL / UdaF TYPE D SOIL	SOIL BOUNDARY
	EX. SHA RIGHT–OF–WAY		CHECK DAM
	EX. PROPERTY LINE	CD 1–1	CHECK DAM NUMBER
	SWM SOIL BORING	CO 1–1	CLEAN OUT NUMBER
	DRAINAGE MAINTENANCE AND INSPECTION EASEMENT		D.A. TO BIOSWALE

BIOSWALE LOCATION TABLE

BIOSWALE	LOCATION/ELEVATION
M8–2	STA. 20+67, 29.4' RT, ELEV. 68.0 TO STA. 22+52, 28.4' RT, ELEV 62.0
M8–3	STA. 26+20, 29.0' RT, ELEV. 55.0 TO STA. 27+03, 28.8' RT, ELEV. 55.0

NOTES
1. REFER TO DWG DP–01 AND DP–02 FOR BIOSWALE PROFILES.
2. REFER TO DWG DD–01 AND DD–02 FOR SWM DETAILS DRAINAGE STUCTURE DATA AND BIOSWALE SUMMARY TABLE.
3. PROPOSED DRAINAGE, MAINTENANCE AND INSPECTION EASEMENT.

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

Conditions of Approval

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Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

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Gregory Filar Digitally signed by Gregory Filar Date: 2022.11.17 09:40:52 -05'00'

SEAL: STATE OF MARYLAND GREGORY WAYNE FILAR No. 20762 REGISTERED PROFESSIONAL ENGINEER 5/4/2022

REVISIONS	DATE

OWNER/ DEVELOPER:
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DRAWING TITLE
STORMWATER MANAGEMENT PLAN

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SW-02	23 OF 47

PLOTTED: Monday, August 22, 2022, AT 12:27 PM
FILE: N:\2019\2019063.00 2019 City of College Park Ch-Cat\Task 7 - Edmonston Road Sidewalk Project\CADD\JSH\DP02_Edmonston.dgn

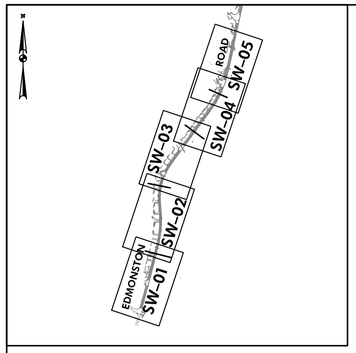
CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 28+35.34 TO STA. 28+41.49 RT	3.5 S.Y.
STA. 30+94.50 TO STA. 31+05.05 RT	6.0 S.Y.
STA. 35+54.50 TO STA. 35+65.50 RT	7.3 S.Y.
STA. 29+39.37 TO STA. 29+50.05 LT	7.0 S.Y.

ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 7	5.5 S.Y.

LEGEND

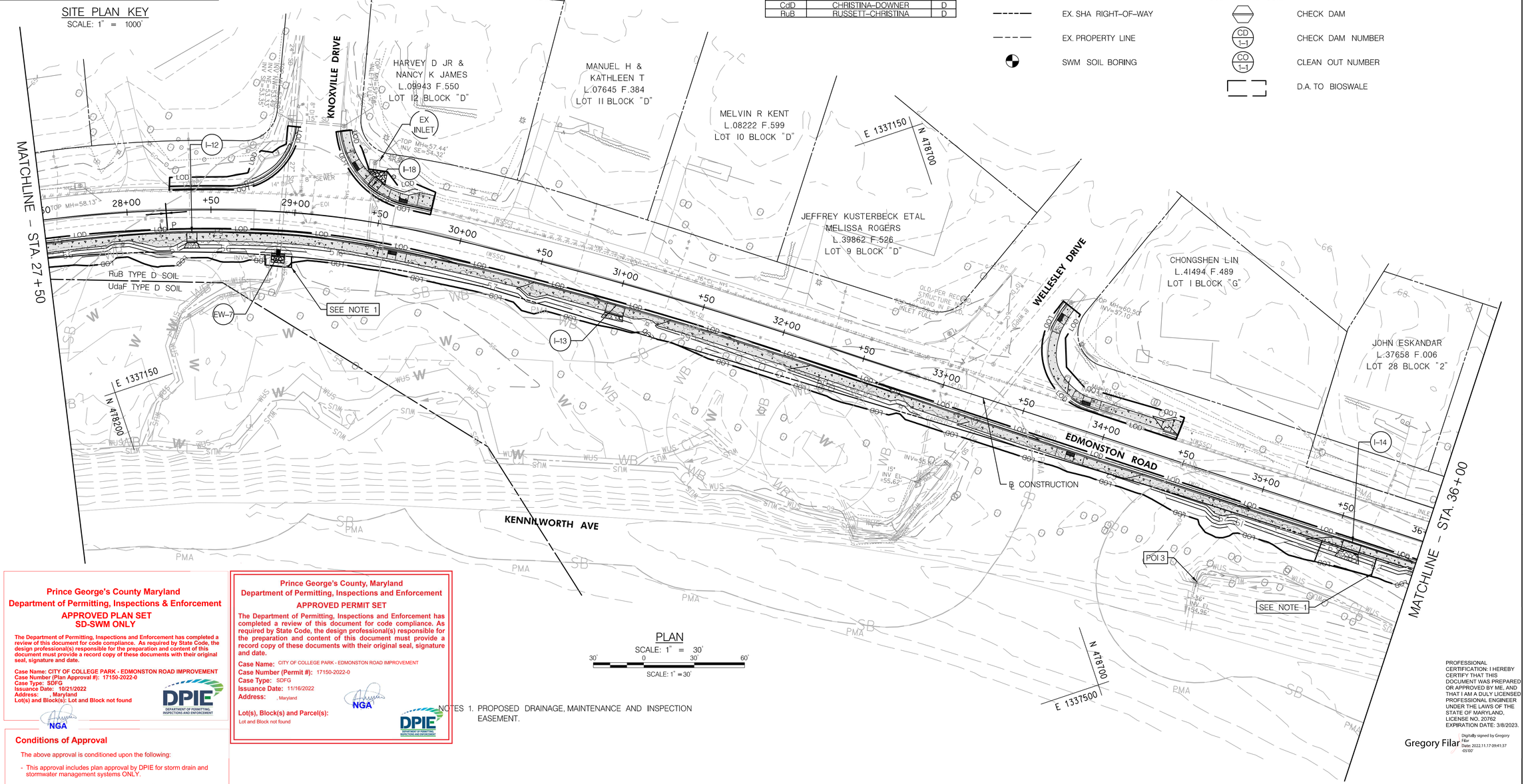
	CONCRETE SIDEWALK		RIPRAP INFLOW /OUTLET PROTECTION
LOD	LIMITS OF DISTURBANCE/GRADING		BIOSWALE
60	PROPOSED CONTOURS	SB	60' STREAM BUFFER
60	EXISTING CONTOURS	CL	CENTERLINE OF STREAM
C	LIMIT OF CUT	W	WETLAND
F	LIMIT OF FILL	WB	25' WETLAND BUFFFER
PMA	PRIMARY MANAGEMENT AREA	CcC TYPE D SOIL / UdaF TYPE D SOIL	SOIL BOUNDARY
	EX. SHA RIGHT-OF-WAY		CHECK DAM
	EX. PROPERTY LINE	CD 1-1	CHECK DAM NUMBER
	SWM SOIL BORING	CO 1-1	CLEAN OUT NUMBER
			D.A. TO BIOSWALE

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D



SITE PLAN KEY
SCALE: 1" = 1000'

MARYLAND COORDINATE SYSTEM
NAD83 (2011) DATUM NAVD88



PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" = 30'

NOTES 1. PROPOSED DRAINAGE, MAINTENANCE AND INSPECTION EASEMENT.

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

NGA

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Department of Permitting, Inspections and Enforcement
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Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

Lot(s), Block(s) and Parcel(s):
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NGA

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EXPIRATION DATE: 3/8/2023.

Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 09:41:37 -05'00'

REVISIONS | DATE

OWNER/ DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

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11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
STORMWATER MANAGEMENT PLAN

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND GREGORY WAYNE FILAR No. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SW-03	24 OF 47

PLOTTED: Monday, August 22, 2022 AT 01:33 PM
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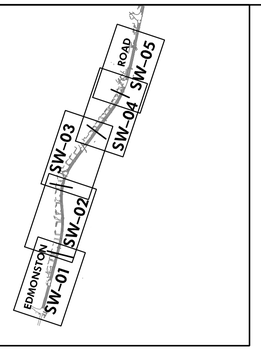
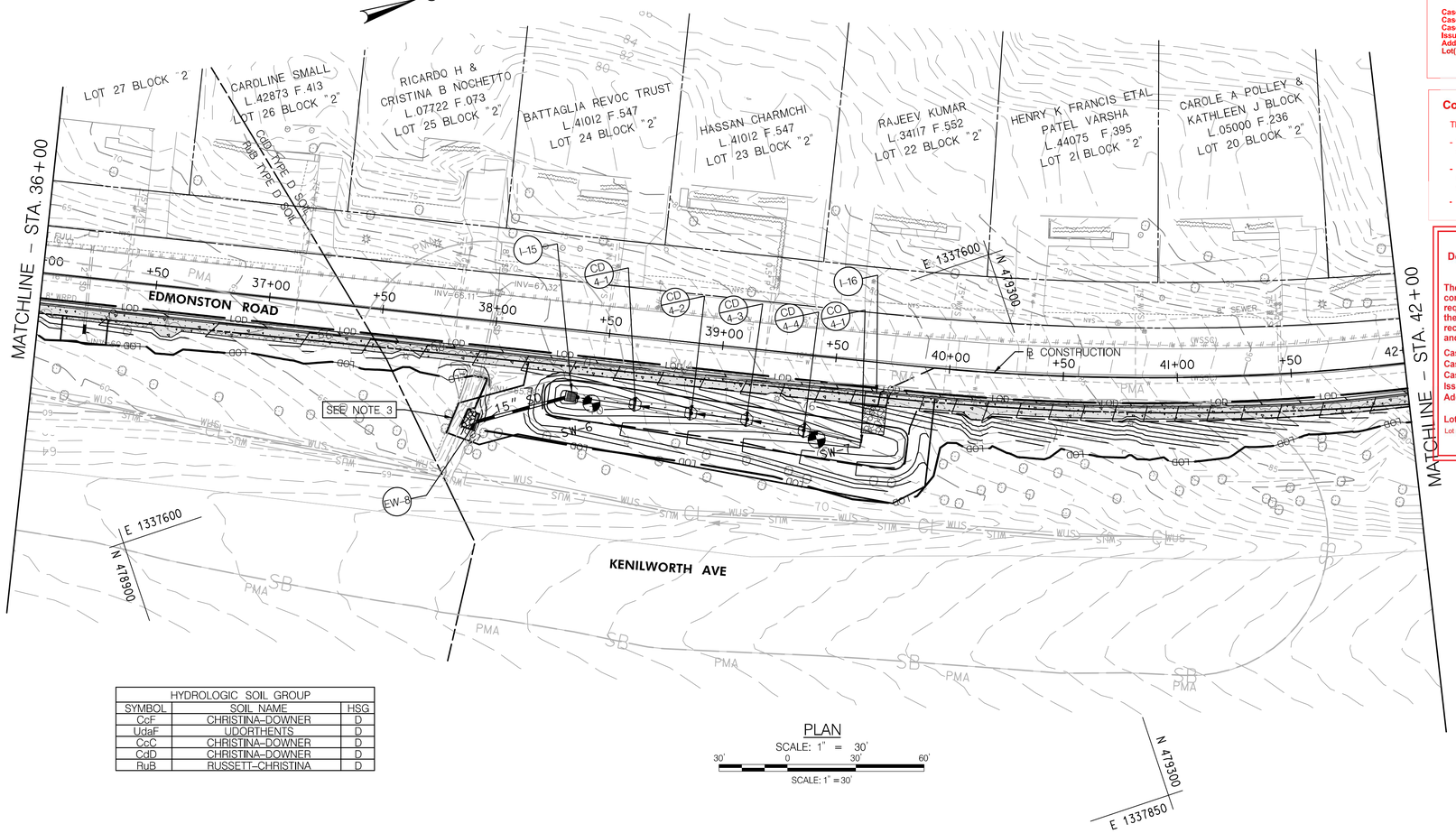


SITE PLAN KEY
SCALE: 1" = 1000'

MARYLAND COORDINATE SYSTEM
NAD83 (2011) DATUM NAVD88



PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" = 30'

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA–DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA–DOWNER	D
CdD	CHRISTINA–DOWNER	D
RuB	RUSSETT–CHRISTINA	D

LEGEND

CONCRETE SIDEWALK	RIPRAP INFLOW /OUTLET PROTECTION
LIMITS OF DISTURBANCE/GRADING	BIOSWALE
PROPOSED CONTOURS	60' STREAM BUFFER
EXISTING CONTOURS	CENTERLINE OF STREAM
LIMIT OF CUT	WETLAND
LIMIT OF FILL	25' WETLAND BUFFFER
PRIMARY MANAGEMENT AREA	SOIL BOUNDARY
EX. SHA RIGHT–OF–WAY	CHECK DAM
EX. PROPERTY LINE	CHECK DAM NUMBER
SWM SOIL BORING	CLEAN OUT NUMBER
DRAINAGE MAINTENANCE AND INSPECTION EASEMENT	D.A. TO BIOSWALE

BIOSWALE LOCATION TABLE

BIOSWALE	LOCATION/ELEVATION
M8–4	STA. 38+36, 30' RT, ELEV. 69.0 TO STA. 39+64, 39.5' RT, ELEV. 74.0

NOTES
1. REFER TO DWG DP–01 AND DP–02 FOR BIOSWALE PROFILES.
2. REFER TO DWG DD–01 AND DD–02 FOR SWM DETAILS DRAINAGE STUCTURE DATA AND BIOSWALE SUMMARY TABLE.
3. PROPOSED DRAINAGE, MAINTENANCE AND INSPECTION EASEMENT.

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 39+64.28 TO STA. 39+74.24 RT	13.5 S.Y.

ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 8	3.6 S.Y.

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

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Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

DATE	REVISIONS

OWNER/ DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
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DRAWING TITLE
STORMWATER MANAGEMENT PLAN

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FILAR
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REGISTERED PROFESSIONAL ENGINEER
5/4/2022

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EXPIRATION DATE: 3/8/2023.

Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 09:42:19 -05'00'

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SW-04	25 OF 47

PLOTTED: Monday, August 22, 2022 AT 12:37 PM
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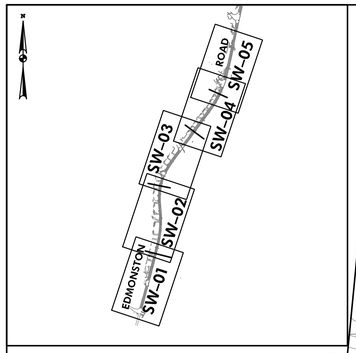
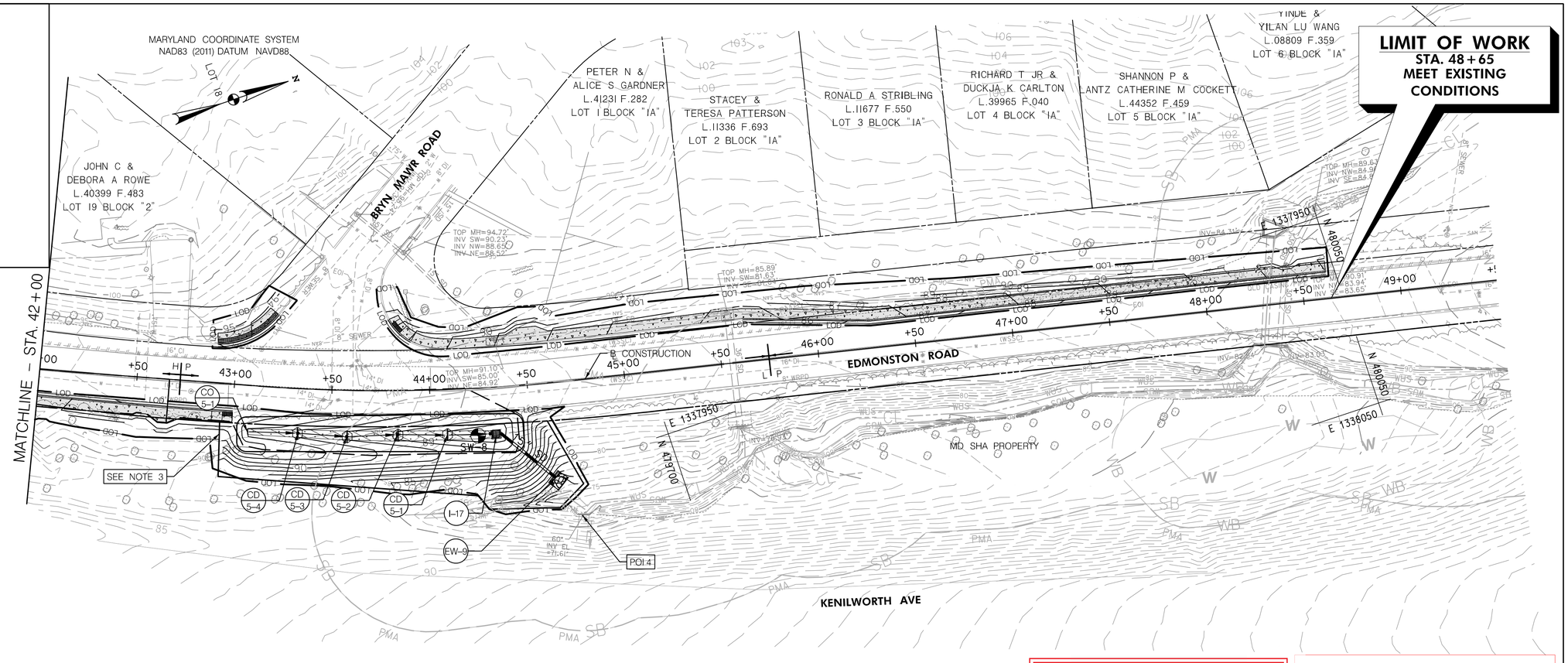


SITE PLAN KEY
SCALE: 1" = 1000'



PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" = 30'

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA–DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA–DOWER	D
CdD	CHRISTINA–DOWER	D
RuB	RUSSETT–CHRISTINA	D

LEGEND

	CONCRETE SIDEWALK		RIPRAP INFLOW /OUTLET PROTECTION
LOD	LIMITS OF DISTURBANCE/GRADING		BIOSWALE
60	PROPOSED CONTOURS	SB	60' STREAM BUFFER
60	EXISTING CONTOURS	CL	CENTERLINE OF STREAM
C	LIMIT OF CUT	W	WETLAND
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	EX. SHA RIGHT–OF–WAY		CHECK DAM
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ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW – 9	4.4 S.Y.

BIOSWALE LOCATION TABLE

BIOSWALE	LOCATION/ELEVATION
M8–5	STA. 43+08, 23.8' RT, ELEV. 92.0 TO STA. 44+33.2 40' RT, ELEV. 87.0

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland
Lot(s), Block(s) and Parcel(s):
Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
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SD-SWM ONLY

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Issuance Date: 10/21/2022
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Digitally signed by Gregory Filar
Date: 2022.11.17 09:43:03 -05'00'

SEAL: STATE OF MARYLAND GREGORY WAYNE FILAR NO. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

REVISIONS	DATE

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DRAWING TITLE: STORMWATER MANAGEMENT PLAN

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SW-05	26 OF 47

PLOTTED: Monday, August 22, 2022 AT 12:27 PM
FILE: N:\2019\2019063\07 2019 City of College Park On-Call\Task 1 - Edmonston Road Sidewalk Project\CADD\plans\PR0_Edmonston.dgn

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- **This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.**

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

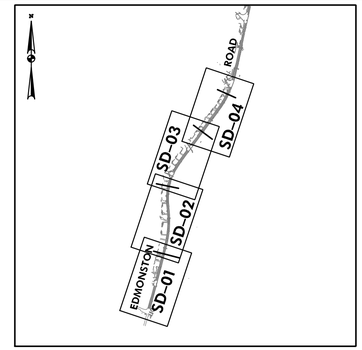
The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

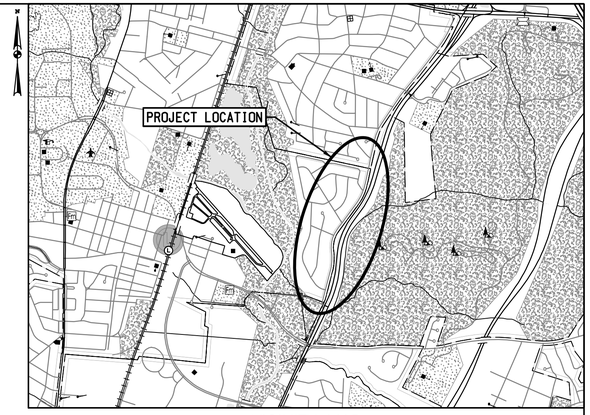
Lot(s), Block(s) and Parcel(s):
Lot and Block not found

NGA

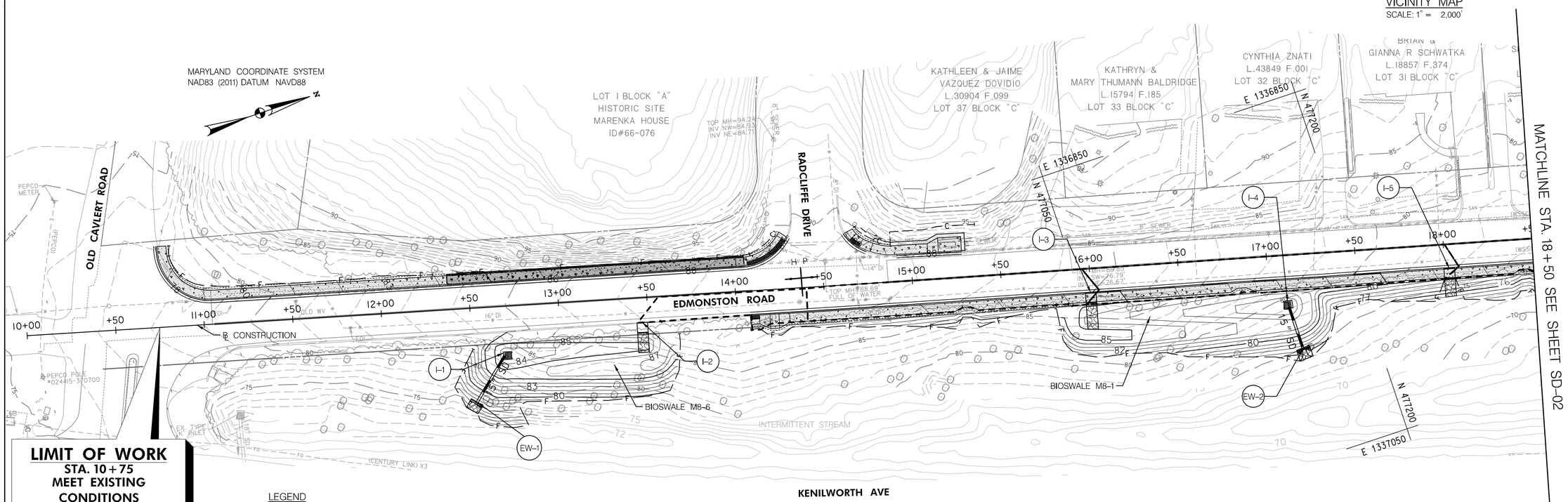
DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT



SITE PLAN KEY
SCALE: 1" = 1000'



VICINITY MAP
SCALE: 1" = 2,000'



PLAN
SCALE: 1" = 30'

LEGEND

- CONCRETE SIDEWALK
- 60 — PROPOSED CONTOURS
- 60 — EXISTING CONTOURS
- C — LIMIT OF CUT
- F — LIMIT OF FILL
- EX. SHA RIGHT-OF-WAY
- EX. PROPERTY LINE
- I-2 — STORM DRAIN STRUCTURE ID
- D.A. TO STORM DRAIN INLET

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

STORM DRAIN INLET SUMMARY

INLET NUMBER	D.A. (AC.)	'C' VALUE	TIME OF CONCENTRATION (MIN.)
I-1*	0.10	0.45	5.0
I-2	0.04	0.75	5.0
I-3	0.07	0.90	5.0
I-4**	0.12	0.63	5.0
I-5	0.10	0.90	5.0

*I-1 INLET ASSOCIATED WITH DRAINAGE AREA BIOSWALE M8-6, REFER TO STORMWATER MANAGEMENT PLAN FOR DRAINAGE AREA BOUNDARY

**I-4 INLET ASSOCIATED WITH DRAINAGE AREA BIOSWALE M8-1, REFER TO STORMWATER MANAGEMENT PLAN FOR DRAINAGE AREA BOUNDARY

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 09:26:50 -05'00'

SEAL: STATE OF MARYLAND GREGORY WAYNE FILAR No. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DATE	REVISIONS

OWNER: DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

GPI
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055
www.gpinet.com

DRAWING TITLE
STORM DRAIN DRAINAGE AREA MAP

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

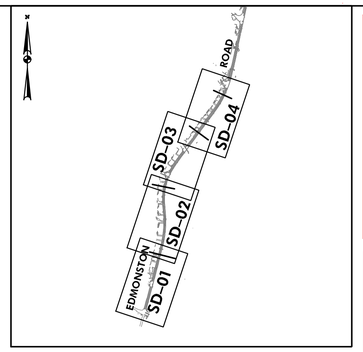
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SD-01	27 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:07 AM
FILE: \\netmon\Projects\2019\2019063.03 2019 City of College Park On-Call\Task 1 - Edmonston Road Sidewalk Project\CADD\SD-SWM_Edmonston.dgn

LEGEND

- CONCRETE SIDEWALK
- 60 — PROPOSED CONTOURS
- 60 — EXISTING CONTOURS
- C — LIMIT OF CUT
- F — LIMIT OF FILL
- EX. SHA RIGHT-OF-WAY
- EX. PROPERTY LINE
- I-2 — STORM DRAIN STRUCTURE ID
- D.A. TO STORM DRAIN INLET



SITE PLAN KEY
SCALE: 1" = 1000'

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

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Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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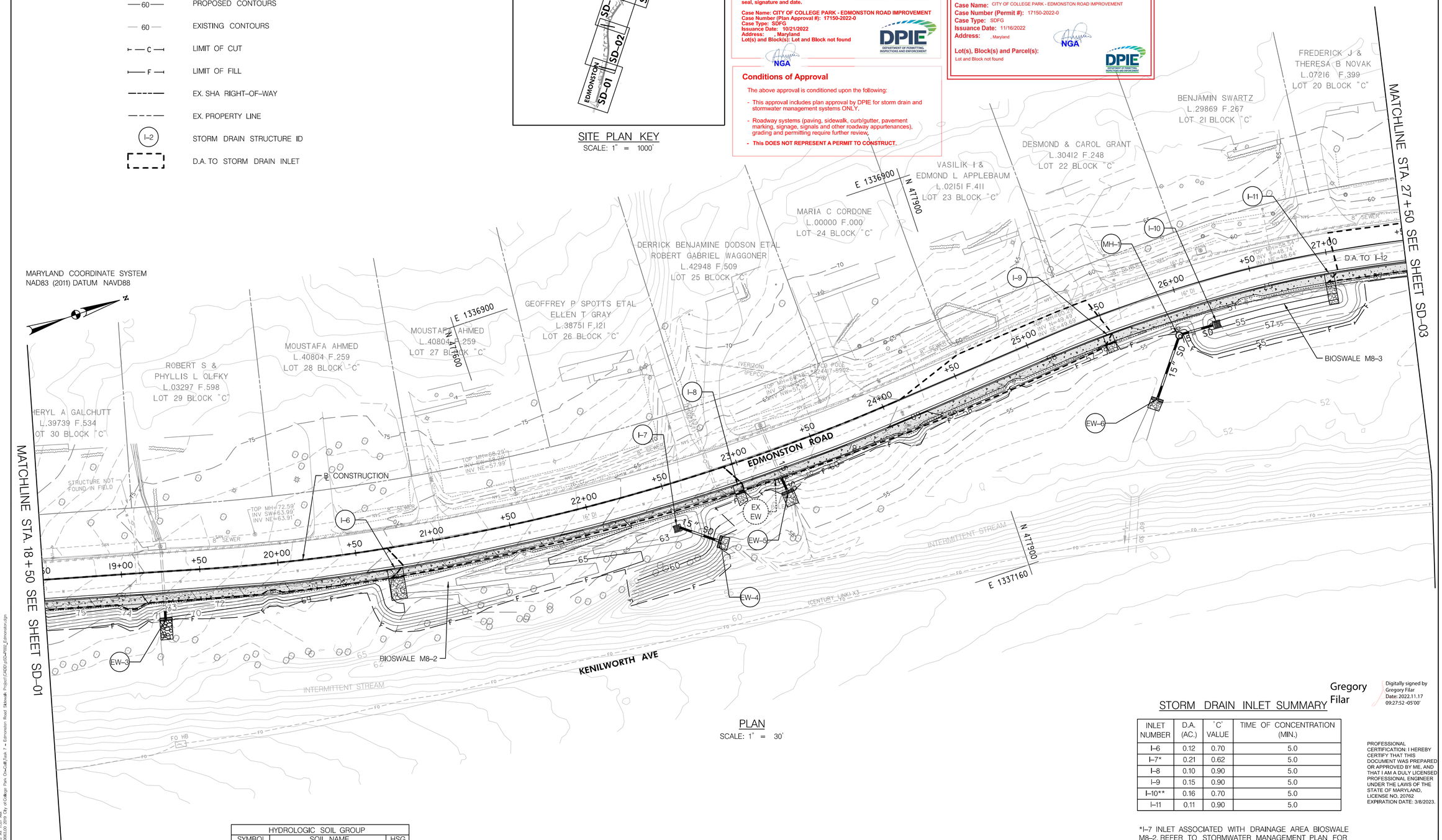
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT



PLAN
SCALE: 1" = 30'

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

STORM DRAIN INLET SUMMARY

INLET NUMBER	D.A. (AC.)	'C' VALUE	TIME OF CONCENTRATION (MIN.)
I-6	0.12	0.70	5.0
I-7*	0.21	0.62	5.0
I-8	0.10	0.90	5.0
I-9	0.15	0.90	5.0
I-10**	0.16	0.70	5.0
I-11	0.11	0.90	5.0

*I-7 INLET ASSOCIATED WITH DRAINAGE AREA BIOSWALE M8-2, REFER TO STORMWATER MANAGEMENT PLAN FOR DRAINAGE AREA BOUNDARY

**I-10 INLET ASSOCIATED WITH DRAINAGE AREA BIOSWALE M8-3, REFER TO STORMWATER MANAGEMENT PLAN FOR DRAINAGE AREA BOUNDARY

Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 09:27:52 -05'00'

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

SEAL: STATE OF MARYLAND GREGORY W. FILAR No. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DATE	REVISIONS

OWNER/ DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
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GPI
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE: STORM DRAIN DRAINAGE AREA MAP

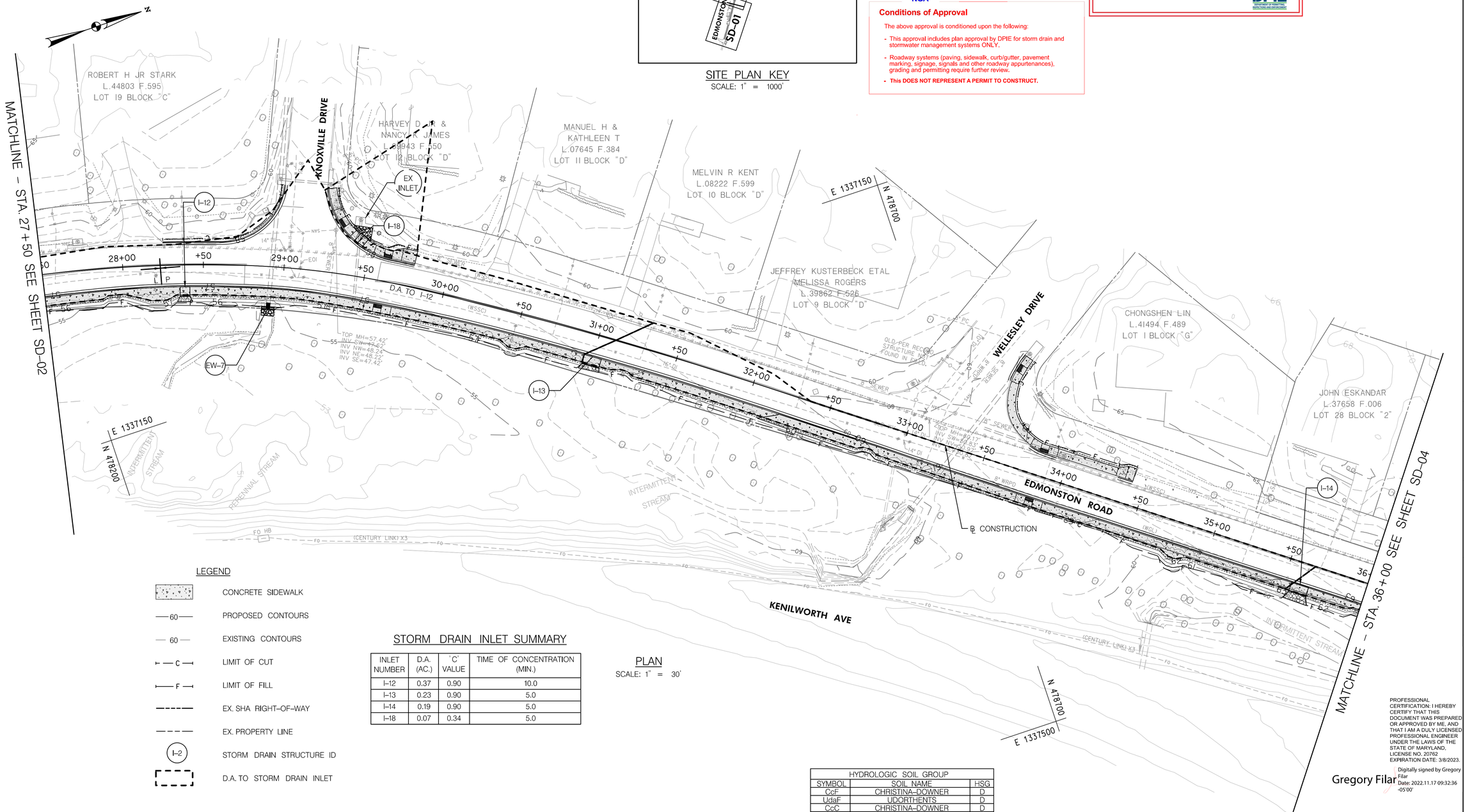
PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

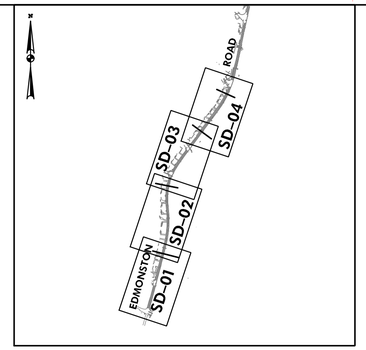
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SD-02	28 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:07 AM
FILE: \\nvnfiles\Projects\2019\2019063.03 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\dwg\SD-PP05_Edmonston.dgn

MARYLAND COORDINATE SYSTEM
NAD83 (2011) DATUM NAVD88





SITE PLAN KEY
SCALE: 1" = 1000'

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

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Department of Permitting, Inspections and Enforcement
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Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

LEGEND

- CONCRETE SIDEWALK
- 60 PROPOSED CONTOURS
- 60 EXISTING CONTOURS
- C LIMIT OF CUT
- F LIMIT OF FILL
- EX. SHA RIGHT-OF-WAY
- EX. PROPERTY LINE
- I-2 STORM DRAIN STRUCTURE ID
- D.A. TO STORM DRAIN INLET

STORM DRAIN INLET SUMMARY

INLET NUMBER	D.A. (AC.)	'C' VALUE	TIME OF CONCENTRATION (MIN.)
I-12	0.37	0.90	10.0
I-13	0.23	0.90	5.0
I-14	0.19	0.90	5.0
I-18	0.07	0.34	5.0

PLAN
SCALE: 1" = 30'

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

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EXPIRATION DATE: 3/8/2023.

Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 09:32:36 -05'00'

SEAL: STATE OF MARYLAND GREGORY WAYNE FILAR No. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DATE	REVISIONS

OWNER/ DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

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GPI
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Columbia, MD 21044
Tel: 410.880.3055

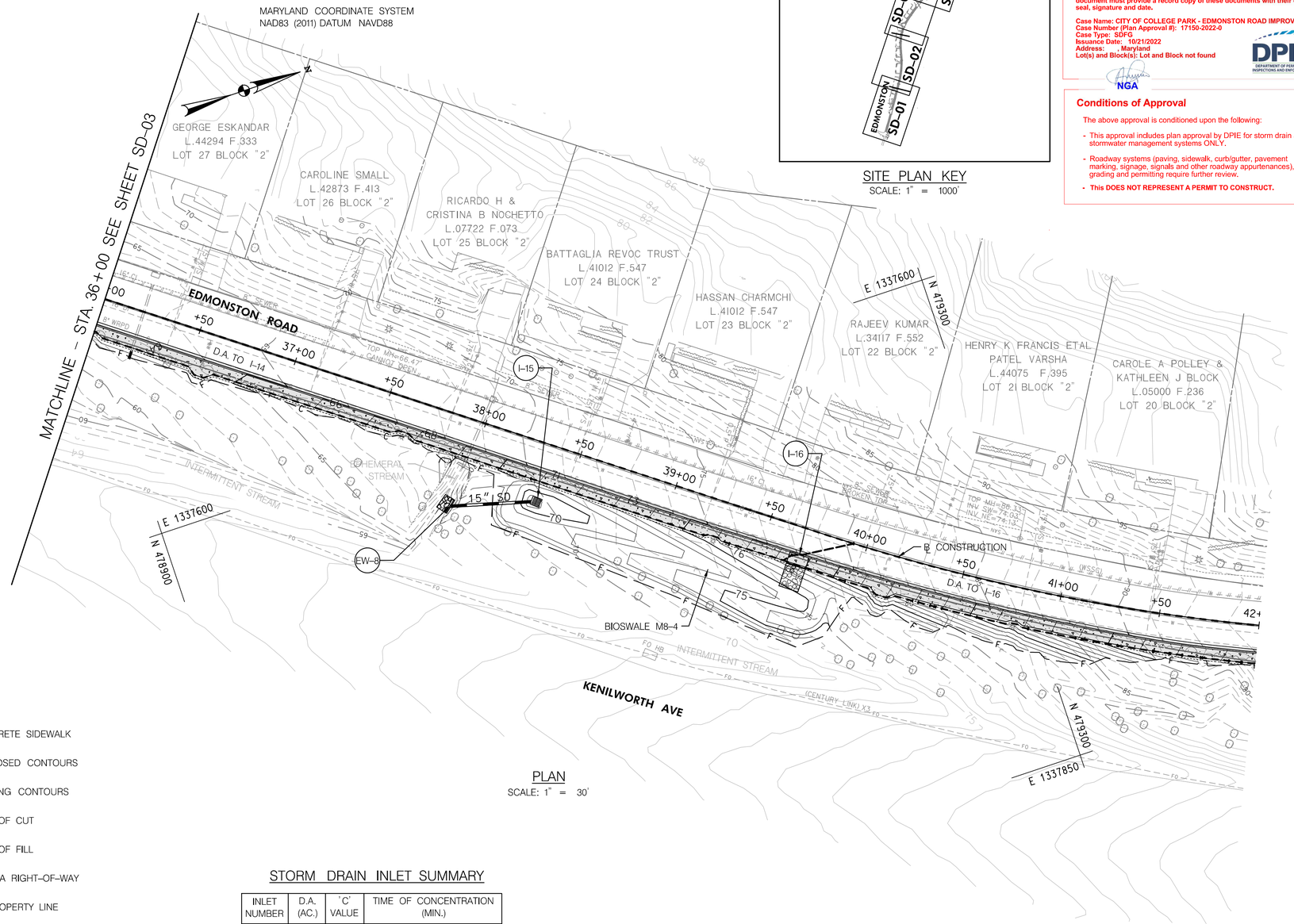
DRAWING TITLE
STORM DRAIN DRAINAGE AREA MAP

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

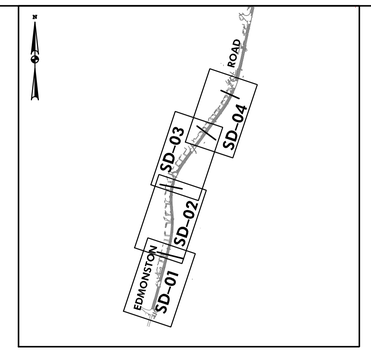
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SD-03	29 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:07 AM
FILE: \\netmon\Projects\2019\2019063.03 2019 City of College Park On-Call\Task 1 - Edmonston Road Sidewalk Project\CADD\SD-SWM\SD_Edmonston.dgn



PLAN
SCALE: 1" = 30'



SITE PLAN KEY
SCALE: 1" = 1000'

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE
DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

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Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE
DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

DATE	REVISIONS

OWNER/ DEVELOPER:
CITY OF COLLEGE PARK
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COLLEGE PARK, MARYLAND, 20740
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EMAIL: Shalpern@Collegeparkmd.gov

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Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
STORM DRAIN DRAINAGE AREA MAP

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

LEGEND

	CONCRETE SIDEWALK
—60—	PROPOSED CONTOURS
— 60 —	EXISTING CONTOURS
C	LIMIT OF CUT
F	LIMIT OF FILL
	EX. SHA RIGHT-OF-WAY
	EX. PROPERTY LINE
I-2	STORM DRAIN STRUCTURE ID
	D.A. TO STORM DRAIN INLET

STORM DRAIN INLET SUMMARY

INLET NUMBER	D.A. (AC.)	'C' VALUE	TIME OF CONCENTRATION (MIN.)
I-16	0.13	0.90	5.0
I-15*	0.21	0.65	5.0

*I-15 INLET ASSOCIATED WITH DRAINAGE AREA BIOSWALE M8-4, REFER TO STORMWATER MANAGEMENT PLAN FOR DRAINAGE AREA BOUNDARY

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

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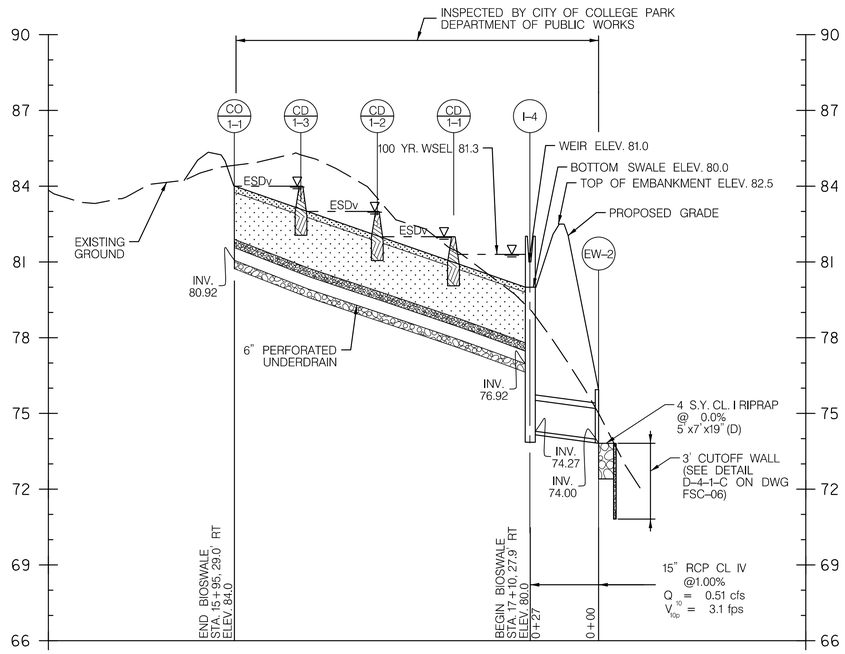
Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 09:33:51 -05'00'

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FILAR
NO. 20762
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

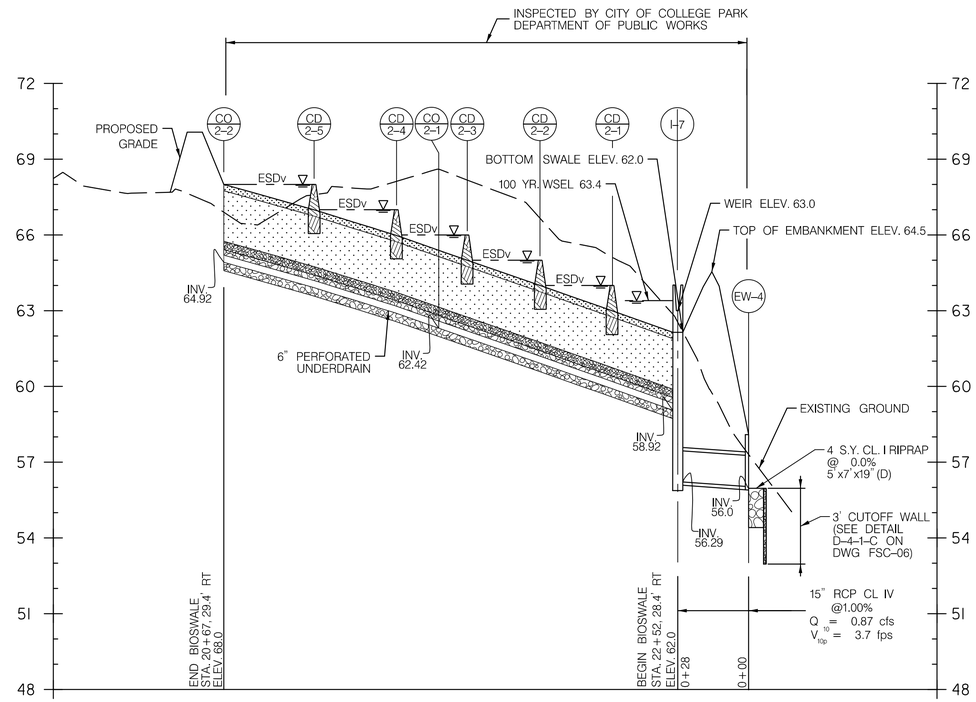
DRAWING	SHEET
SD-04	30 OF 47

PLOTTED: Wednesday, May 04, 2022, AT 11:09 AM
FILE: \\pnhas4\Projects\2019\2019063.00 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\JSCA-DWG_Edmonston.dgn



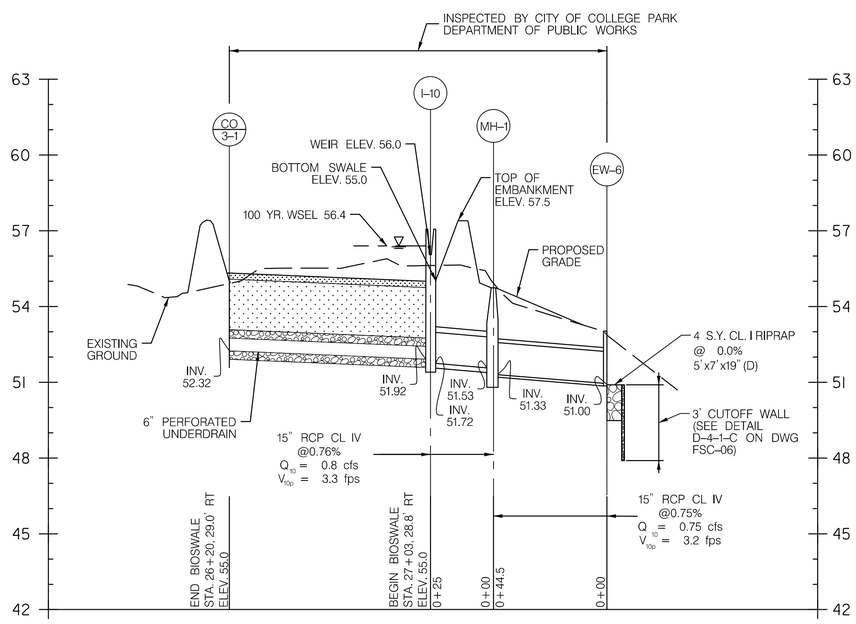
BIOSWALE M8–1 AND STORM DRAIN PROFILE EW–2 TO I–4

SCALE: HORIZ. 1" = 30'
VERT. 1' = 3'



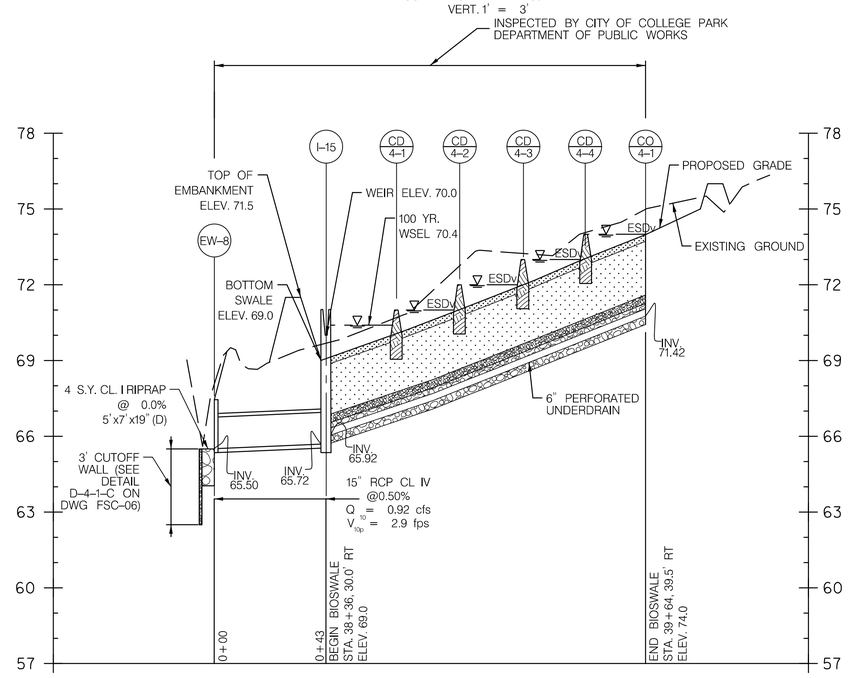
BIOSWALE M8–2 AND STORM DRAIN PROFILE EW–4 TO I–7

SCALE: HORIZ. 1" = 30'
VERT. 1' = 3'



BIOSWALE M8–3 AND STORM DRAIN PROFILE EW–6 TO I–10

SCALE: HORIZ. 1" = 30'
VERT. 1' = 3'



BIOSWALE M8–4 AND STORM DRAIN PROFILE EW–8 TO I–15

SCALE: HORIZ. 1" = 30'
VERT. 1' = 3'

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

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Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

DATE	REVISIONS

OWNER / DEVELOPER:
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DRAWING TITLE
BIOSWALE AND STORMDRAIN PROFILES

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762
EXPIRATION DATE: 3/8/2023.

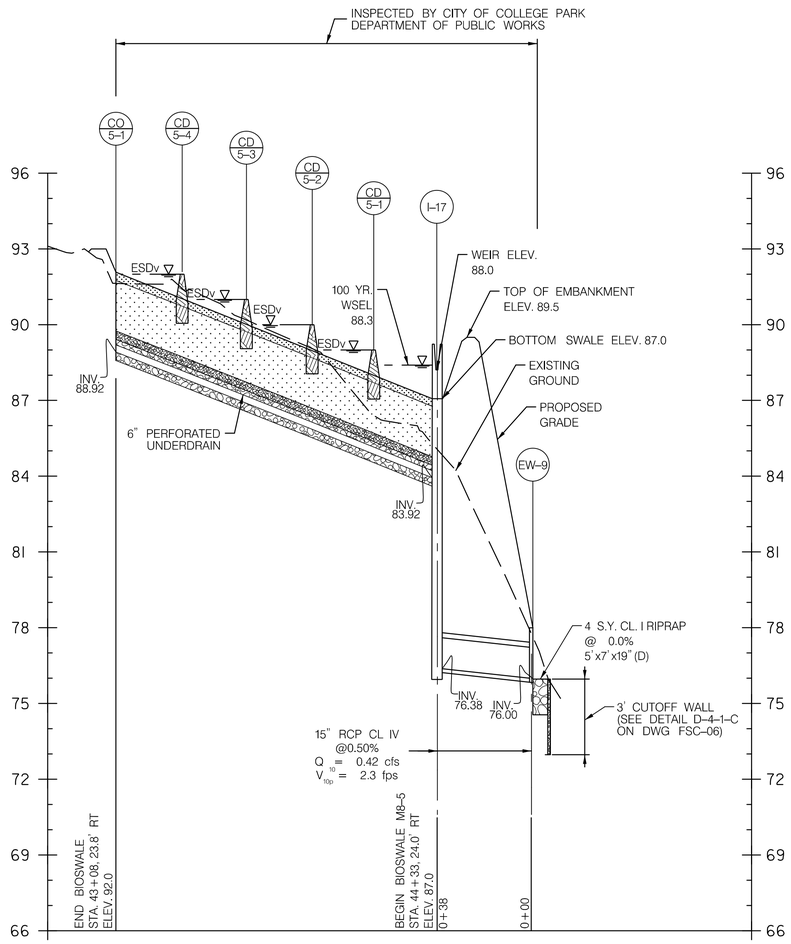
Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 09:43:50 -05'00'

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FILAR
No. 20762
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW	CHECKED: GWF
PLOT DATE: APRIL, 2022	
SCALE: 1" = 30'	
PROJECT NUMBER: 2019063.07	

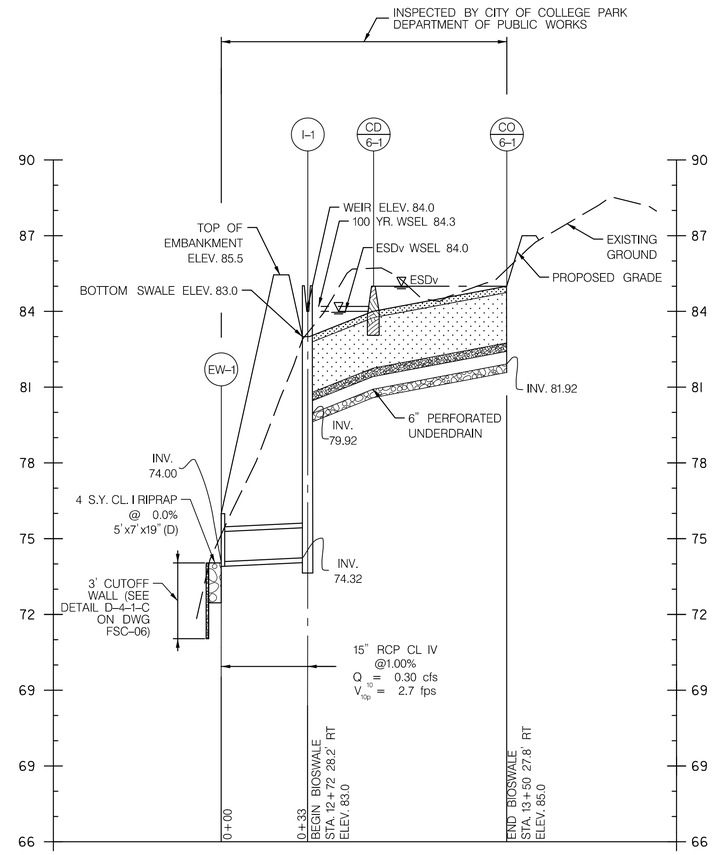
DRAWING	SHEET
DP-01	31 OF 47

PLOTTED: Tuesday, October 04, 2022 AT 07:54 AM
FILE: \\gnetfs\gnpdrive\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\DP\DP-001_Edmonston.dgn



BIOSWALE M8–5 AND STORM DRAIN PROFILE I–17 TO EW–9

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



BIOSWALE M8–6 AND STORM DRAIN PROFILE EW–1 TO I–1

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

The above approval is conditioned upon the following:

- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.
- Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.
- **This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.**

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

www.gpinet.com
GPI
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
BIOSWALE AND STORMDRAIN PROFILES

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

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Digitally signed by Gregory Filar
Date: 2022.11.17 09:44:33 -05'00'

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FILAR
NO. 20762
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
DP-02	32 OF 47

PLOTTED: Tuesday, October 04, 2022 AT 07:54 AM
FILE: \\ynetfs\projects\2019\2019063.00 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\dp5-2002_Edmonston.dgn

INDEX OF SHEETS

FCS DRAWING NO.	DESCRIPTION
1	EROSION AND SEDIMENT CONTROL PLAN STA. 10+75 TO STA. 18+50
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3	EROSION AND SEDIMENT CONTROL PLAN STA. 27+50 TO STA. 36+00
4	EROSION AND SEDIMENT CONTROL PLAN STA. 36+00 TO STA. 42+00
5	EROSION AND SEDIMENT CONTROL PLAN STA. 42+00 TO STA. 48+65
6	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
7	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
8	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

SOIL STABILIZATION MATTING	
STA. 12+35.91 RT TO STA. 13+67.16 RT	305 S.Y.
STA. 14+11.71 RT TO STA. 18+50.00 RT	662 S.Y.
STA. 14+62.83 LT TO STA. 15+37.04 LT	44 S.Y.

TREE PROTECTION FENCE	
STA. 12+38.08, 45.57' RT TO STA. 13+63.42, 56.02' RT	150 L.F.
STA. 14+08.11, 27.17' RT TO STA. 18+50.00, 33.91' RT	470 L.F.

SUPER SILT FENCE	
STA. 12+38.08, 45.57' RT TO STA. 13+63.42, 56.02' RT	150 L.F.
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STANDARD INLET PROTECTION TYPE A	
STA. 12+69.09, 27.87' RT D.A. =	0.10 AC.
STA. 17+10.66, 28.27' RT D.A. =	0.12 AC.

12" PIPE SLOPE DRAIN	
STA. 10+89, 25' LT D.A. 0.5 AC.	12 L.F.
STA. 14+28, 33' LT D.A. 0.07 AC.	12 L.F.

NOTE: PIPE SLOPE DRAIN TO DAYLIGHT THROUGH DIVERSION FENCE. SEE DETAIL E-4

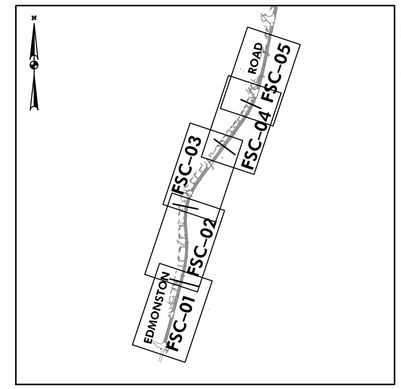
DIVERSION FENCE	
STA. 10+84, 46' LT TO STA. 14+24, 34' LT	360 L.F.

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 13+43.57 TO STA. 13+49.57 RT	7.5 S.Y.
STA. 15+96.89, TO STA. 16+02.89 RT	10 S.Y.
STA. 17+99.50, TO STA. 18+05.50 RT	7.5 S.Y.

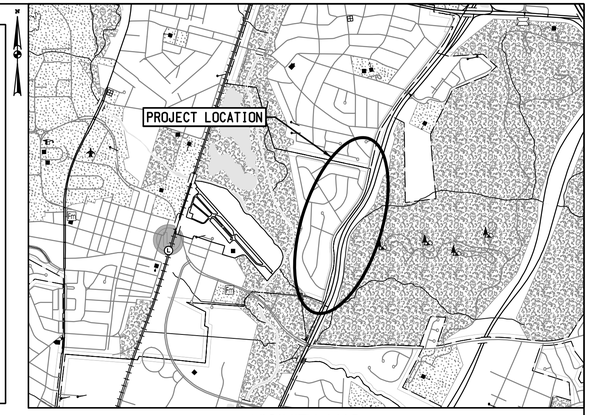
HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

SITE ANALYSIS

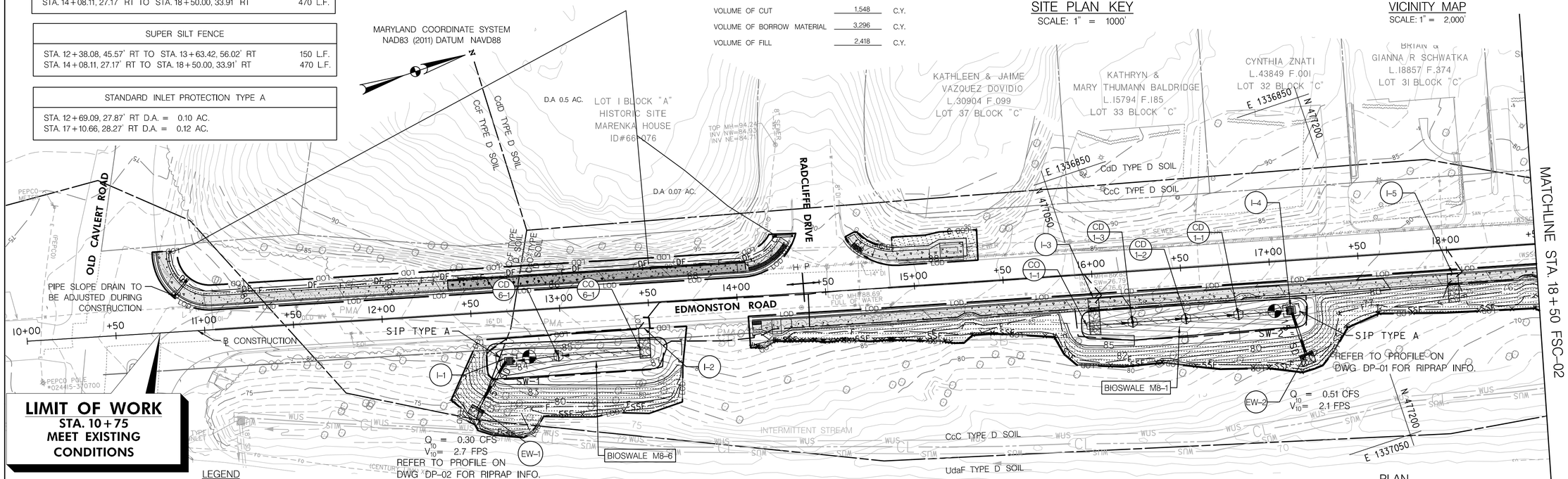
DISTURBED AREA	2.47	ACRES
VEGETATIVELY STABILIZED AREA	1.70	ACRES
VOLUME OF SPOIL MATERIAL	0	C.Y.
VOLUME OF CUT	1,548	C.Y.
VOLUME OF BORROW MATERIAL	3,296	C.Y.
VOLUME OF FILL	2,418	C.Y.



SITE PLAN KEY
SCALE: 1" = 1000'



VICINITY MAP
SCALE: 1" = 2,000'



PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" = 30'

LEGEND

	REINFORCED CONCRETE SIDEWALK		SOIL STABILIZATION MATTING
	CONCRETE SIDEWALK		PROPOSED TREE LINE
LOD	LIMITS OF DISTURBANCE/GRADING		EXISTING TREE LINE
60	PROPOSED CONTOURS		RIPRAP INFLOW /OUTLET PROTECTION
60	EXISTING CONTOURS		BIOSWALE
C	LIMIT OF CUT	SB	60' STREAM BUFFER
F	LIMIT OF FILL	CL	CENTERLINE OF STREAM
PMA	PRIMARY MANAGEMENT AREA	W	WETLAND
	EX. SHA RIGHT-OF-WAY	WB	25' WETLAND BUFFFER
	EX. PROPERTY LINE	CcC TYPE D SOIL / UdaF TYPE D SOIL	SOIL BOUNDARY
	D.A. TO E&S CONTROL	CIP	CURB INLET PROTECTION
	SWM SOIL BORING	SIP	STANDARD INLET PROTECTION
WUS	WATERS OF THE US	SSF	SUPER SILT FENCE
		X	TREE PROTECTIVE FENCE

GENERAL PROJECT SITE NOTES:

1. PROJECT NAME: EDMONSTON ROAD SIDEWALK IMPROVEMENTS.
2. EXISTING ZONING: R-55 AND R-O-S.
3. 200' WSSC MAP: 209NE05, 208NE05.
4. TAX MAP/GRID: 34-B2, 34-A2, 34-A3, 34-A4.
5. AVIATION POLICY AREA: 6.
6. SWM CONCEPT NUMBER: 9211-2021-0.
7. CEMETERIES ON OR CONTIGUOUS TO PROPERTY: NONE OBSERVED BY SURVEY.
8. HISTORIC SITE ON OR IN THE VICINITY OF THE SITE: MARENKA HOUSE, LOT 1, BLOCK A, ID#66-076.
9. STREAMS AND WETLANDS: YES.
10. 100-YEAR FLOODPLAIN: NONE PER PGATLAS.
11. CHESAPEAKE BAY CRITICAL AREA: NONE PER PGATLAS.
12. SOURCE OF TOPOGRAPHY: GREENMAN-PEDERSEN, INC./GPI.
13. APPLICANT:
    CITY OF COLLEGE PARK
    8400 BALTIMORE AVENUE, SUITE 375
    COLLEGE PARK, MD 20740
    240.487.3590
    ATTN.: STEVE HALPERN
14. EXISTING UTILITIES ARE SHOWN BASED ON A FIELD SURVEY. THE CONTRACTOR SHALL CONTACT MISS UTILITY FOR LOCATION OF UTILITIES. CALL 8-1-1 OR 1-800-257-7777 OR LOG ON TO WWW.CALL811.COM OR WWW.MISSUTILITY.NET 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY.
15. LIMIT OF DISTURBANCE = 2.47 AC.

CONSULTANT'S CERTIFICATION

"I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICABLE AND WORKABLE PLAN BASED ON MY KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS DESIGNED AND PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PRINCE GEORGE'S SOIL CONSERVATION DISTRICT AND "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL". I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER".

SIGNATURE _____ MD. P.E. LICENSE: #20762
PRINT NAME GREGORY FILAR DATE 5/4/2022

OWNER'S /DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT I/WE HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN AND THAT ANY CLEARING, GRADING, DRAINAGE, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. PRINCE GEORGE'S SOIL CONSERVATION DISTRICT AND THE ENFORCEMENT AUTHORITY SHALL HAVE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATIONS."

SIGNATURE _____ DATE 5/4/2022
PRINT NAME STEVE HALPERN TITLE CHIEF ENGINEER
PH# 240-487-3509 FIRM CITY OF COLLEGE PARK
COMPLETE ADDRESS 9217 51ST AVENUE COLLEGE PARK, MD 20740

* Stabilization practices on all projects must be in compliance with the requirements of COMAR 26.17.1.08 G regulation by January 9, 2013, regardless of when an erosion and sediment control plan was approved.

Following initial soil disturbance or re-disturbance Permanent or temporary stabilization must be complete within:
a.) Three (3) calendar days as to the surface or all perimeter dikes, swales, ditches, perimeter slopes, and all slopes steeper than 3 horizontal to 1 vertical (3:1); and
b.) Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.

PRINCE GEORGE'S SOIL CONSERVATION DISTRICT
FINAL APPROVAL
GRADING, EROSION AND SEDIMENT CONTROL

FSC#
EXPIRATION DATE
PRELIMINARY POND (PP#) X

DISTRICT SIGNATURE APPROVAL DATE
SSC#47-22

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

SEAL: STATE OF MARYLAND GREGORY WAYNE FILAR NO. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

REVISIONS	DATE

OWNER/ DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

GPI
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055
www.gpinet.com

DRAWING TITLE: FINAL GRADING, EROSION AND SEDIMENT CONTROL PLAN
PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DRAFTING: ADW	CHECKED: GWF
PLOT DATE: APRIL, 2022	
SCALE: 1" = 30'	
PROJECT NUMBER: 2019063.07	

DRAWING	SHEET
FSC-01	33 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:09 AM
FILE: \\wdmsvr\projects\JOB\2019\063.00 City of College Park Ch-Cdl\Task 1 - Edmonston Road Sidewalk Project\CADD\sEC-PR09_Edmonston.dgn

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HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

SITE ANALYSIS

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VOLUME OF SPOIL MATERIAL	0	C.Y.
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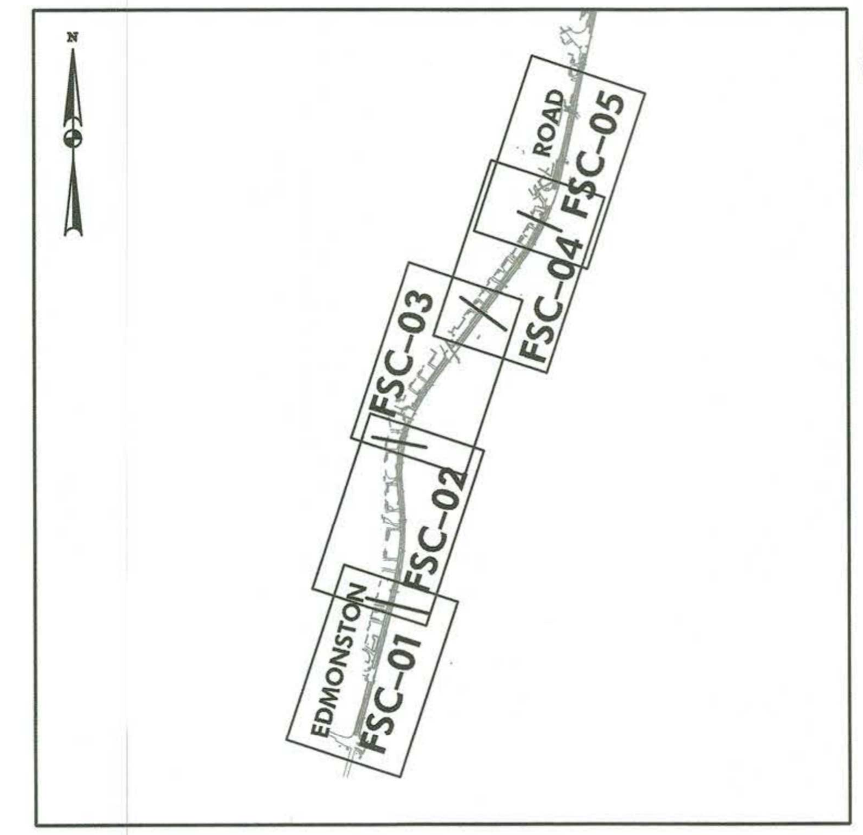
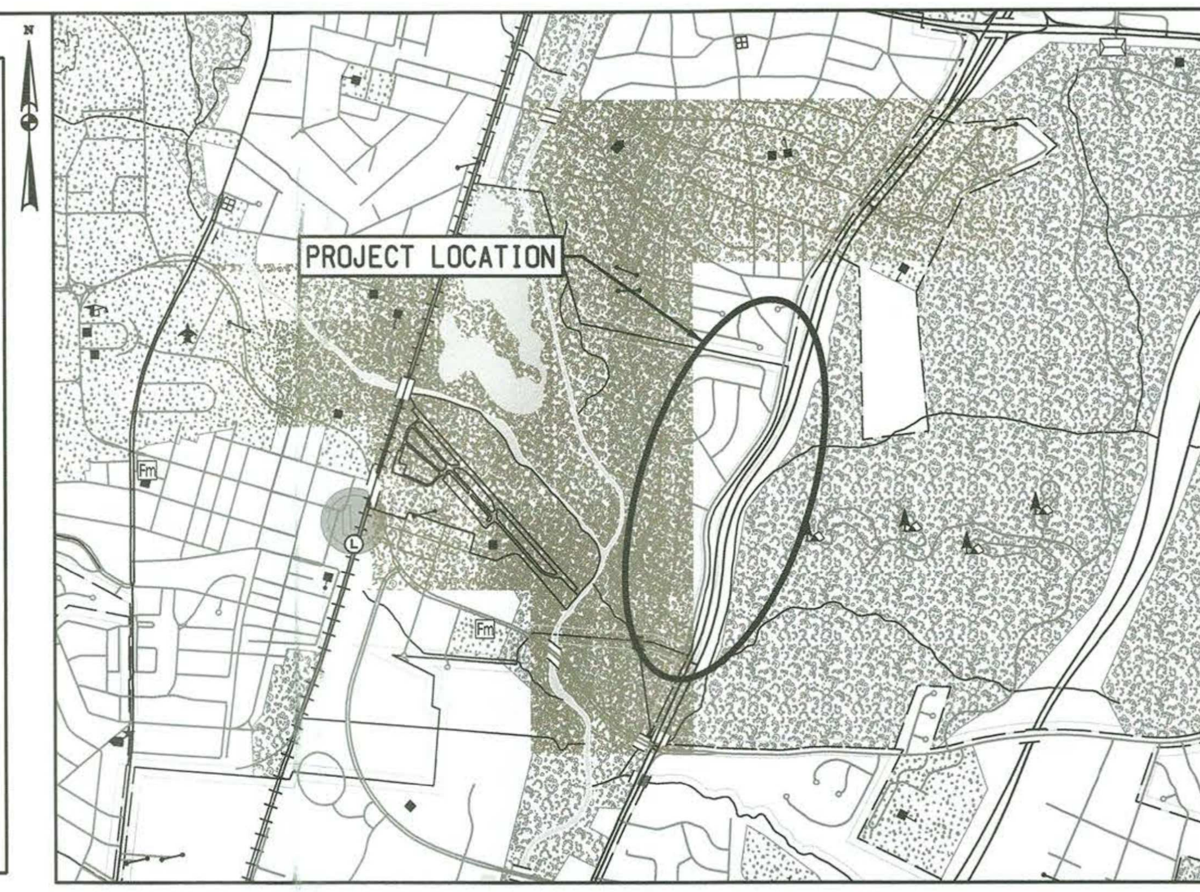


SITE PLAN KEY
SCALE: 1" = 1000'



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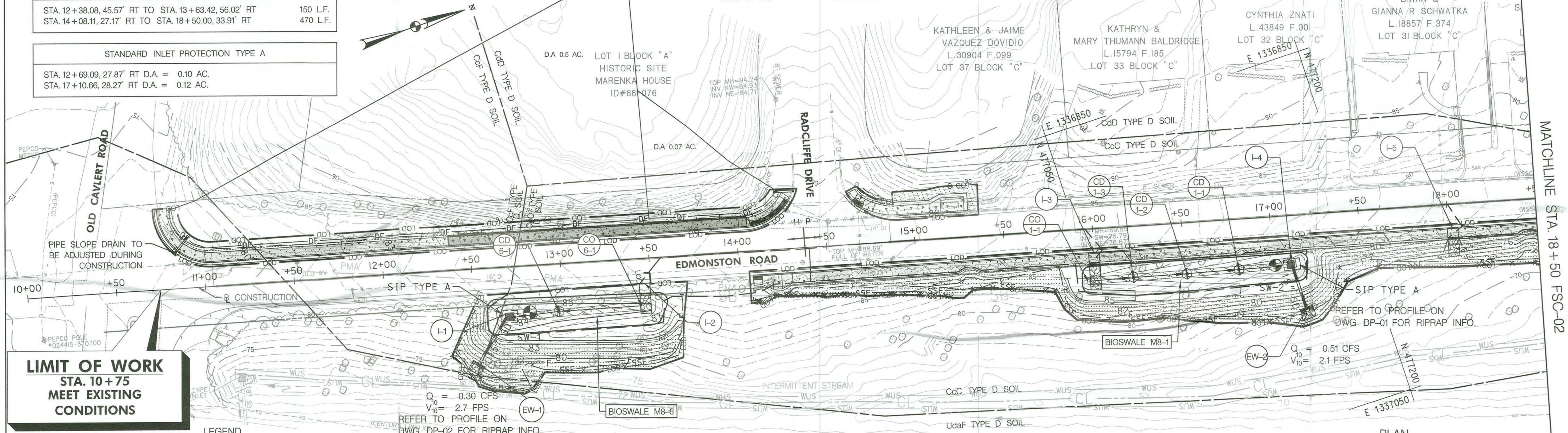

PLAN
SCALE: 1" = 30'

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	REINFORCED CONCRETE SIDEWALK		SOIL STABILIZATION MATTING
	CONCRETE SIDEWALK		PROPOSED TREE LINE
— LOD —	LIMITS OF DISTURBANCE/GRADING		EXISTING TREE LINE
—60—	PROPOSED CONTOURS		RIPRAP INFLOW /OUTLET PROTECTION
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⊢— C —⊣	LIMIT OF CUT	—SB—	60' STREAM BUFFER
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PMA	PRIMARY MANAGEMENT AREA	—W—	WETLAND
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	D.A. TO E&S CONTROL	CIP	CURB INLET PROTECTION
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— WUS —	WATERS OF THE US	—SSF—	SUPER SILT FENCE
		—X—X	TREE PROTECTIVE FENCE

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KENILWORTH AVE

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PRINT NAME GREGORY FILAR DATE 5/4/2022

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SIGNATURE ______ DATE 5/4/2022
PRINT NAME STEVE HALPERN TITLE CHIEF ENGINEER
PH# 240-487-3509 FIRM CITY OF COLLEGE PARK
COMPLETE ADDRESS 9217 51ST AVENUE COLLEGE PARK, MD 20740

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

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Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland
Lot(s), Block(s) and Parcel(s): Lot and Block not found

DPIE
DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

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PRINCE GEORGE'S SOIL CONSERVATION DISTRICT
FINAL APPROVAL
GRADING, EROSION AND SEDIMENT CONTROL

FSC# 47-22 — 10|27|2025 EXPIRATION DATE
PRELIIMINARY POND (PP#) X
DISTRICT SIGNATURE — 10|27|2022 APPROVAL DATE
SSC#47-22

PRINCE GEORGE'S SOIL CONSERVATION DISTRICT MARYLAND 1941

Gregory Filar
Digitally signed by Gregory Filar Date: 2022.11.17 09:48:25 -05'00'

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

REVISIONS
DATE

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

GPI
Engineering | Design | Planning | Construction Management
www.gpinet.com
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel 410.880.3055

DRAWING TITLE: FINAL GRADING, EROSION AND SEDIMENT CONTROL PLAN

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL: STATE OF MARYLAND GREGORY WAYNE FILAR NO. 20762 REGISTERED PROFESSIONAL ENGINEER 5/4/2022

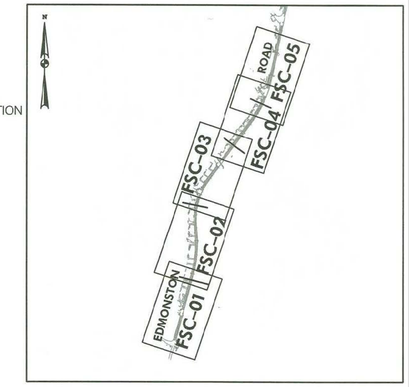
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
FSC-01	33 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:09 AM
FILE: \\md1fs4v\projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\pES-P001_Edmonston.dgn

LEGEND

- CONCRETE SIDEWALK
- LOD — LIMITS OF DISTURBANCE/GRADING
- 60 — PROPOSED CONTOURS
- 60 — EXISTING CONTOURS
- C — LIMIT OF CUT
- F — LIMIT OF FILL
- PMA — PRIMARY MANAGEMENT AREA
- EX. SHA RIGHT-OF-WAY
- EX. PROPERTY LINE
- D.A. E&S CONTROL
- SWM SOIL BORING
- WUS — WATERS OF THE US
- SOIL STABILIZATION MATTING
- PROPOSED TREE LINE
- EXISTING TREE LINE
- RIPRAP INFLOW /OUTLET PROTECTION
- BIOSWALE
- SB — 60' STREAM BUFFER
- CL — CENTERLINE OF STREAM
- W — WETLAND
- WB — 25' WETLAND BUFFFER
- CcC TYPE D SOIL / UdaF TYPE D SOIL — SOIL BOUNDARY
- CIP — CURB INLET PROTECTION
- SIP — STANDARD INLET PROTECTION
- SSF — SUPER SILT FENCE
- X — TREE PROTECTIVE FENCE



SITE PLAN KEY
SCALE: 1" = 1000'

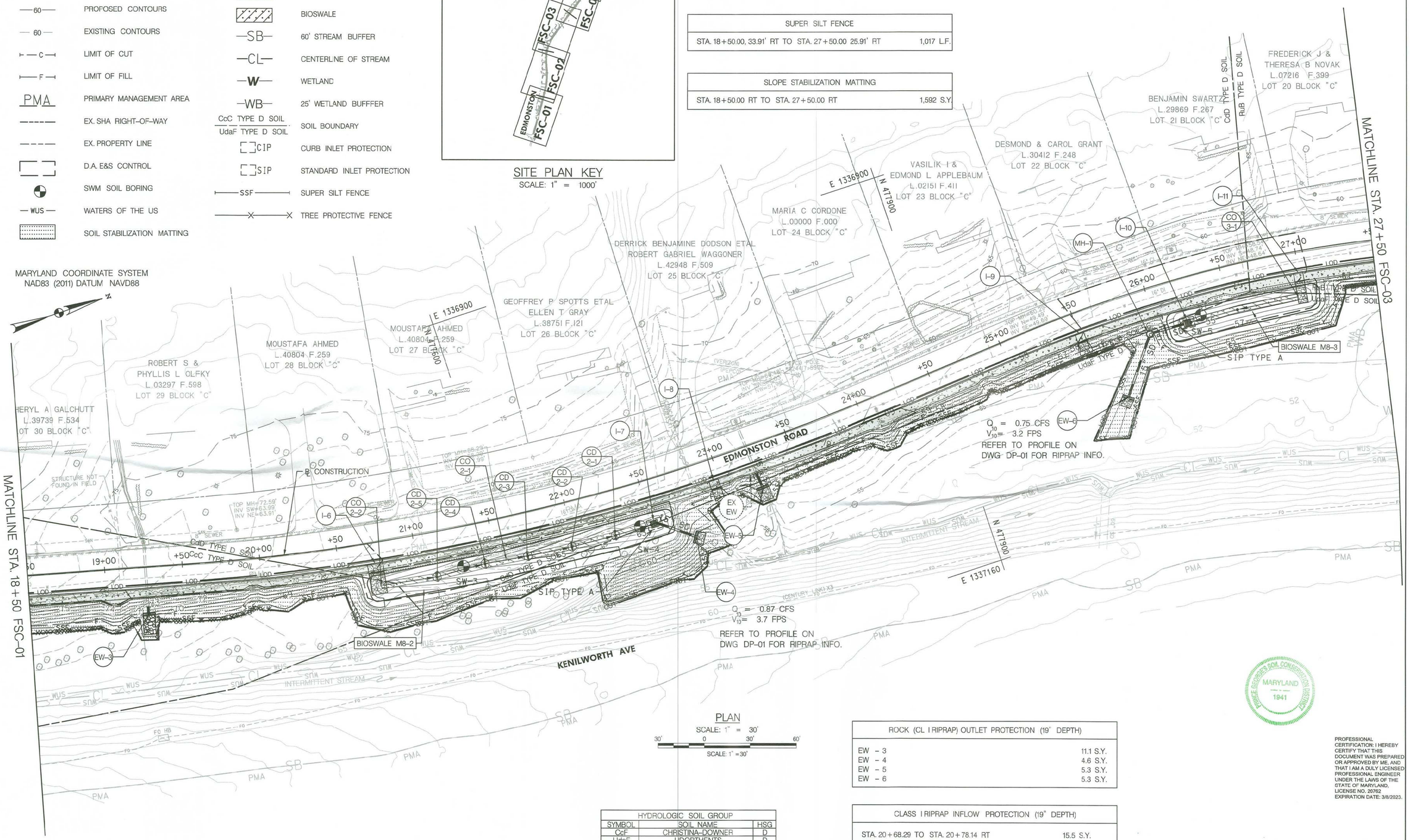
STANDARD INLET PROTECTION TYPE A	
STA. 22+52.23, 28.89' RT D.A. = 0.21 AC.	
STA. 26+20.69, 29.22' RT D.A. = 0.16 AC.	

SUPER SILT FENCE	
STA. 18+50.00, 33.91' RT TO STA. 27+50.00 25.91' RT	1,017 L.F.

SLOPE STABILIZATION MATTING	
STA. 18+50.00 RT TO STA. 27+50.00 RT	1,592 S.Y.

TREE PROTECTION FENCE	
STA. 18+50.00, 33.91' RT TO STA. 27+50.00 25.91' RT	1,017 L.F.

MARYLAND COORDINATE SYSTEM
NAD83 (2011) DATUM NAVD88



Q_{10} = 0.75 CFS
V_{10} = 3.2 FPS
REFER TO PROFILE ON DWG DP-01 FOR RIPRAP INFO.

Q_{10} = 0.87 CFS
V_{10} = 3.7 FPS
REFER TO PROFILE ON DWG DP-01 FOR RIPRAP INFO.

PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" =30'

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW - 3	11.1 S.Y.
EW - 4	4.6 S.Y.
EW - 5	5.3 S.Y.
EW - 6	5.3 S.Y.

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 20+68.29 TO STA. 20+78.14 RT	15.5 S.Y.
STA. 22+93.18 TO STA. 22+99.00 RT	5.5 S.Y.
STA. 25+47.28 TO STA. 25+53.43 RT	3.6 S.Y.
STA. 26+96.37 TO STA. 27+02.52 RT	9.5 S.Y.

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PRINCE GEORGE'S SOIL CONSERVATION DISTRICT MARYLAND 1941

REVISIONS | DATE

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Tel: 410.880.3055

DRAWING TITLE: FINAL GRADING, EROSION AND SEDIMENT CONTROL PLAN

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL: STATE OF MARYLAND GREGORY W. FEDERICK No. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07.

DRAWING FSC-02 | SHEET 34 OF 47

PLOTTED: Wednesday, May 18, 2022 AT 11:02 AM
FILE: \\mdfile-s\projects\2019\2019063.00 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\pb35-P002_Edmonston.dgn

LEGEND

- CONCRETE SIDEWALK
- LOD — LIMITS OF DISTURBANCE/GRADING
- 60 — PROPOSED CONTOURS
- 60 — EXISTING CONTOURS
- C — LIMIT OF CUT
- F — LIMIT OF FILL
- PMA — PRIMARY MANAGEMENT AREA
- EX. SHA RIGHT-OF-WAY
- EX. PROPERTY LINE
- D.A. E&S CONTROL
- SWM SOIL BORING
- WUS — WATERS OF THE US
- SOIL STABILIZATION MATTING
- PROPOSED TREE LINE
- EXISTING TREE LINE
- RIPRAP INFLOW /OUTLET PROTECTION
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- SB — 60' STREAM BUFFER
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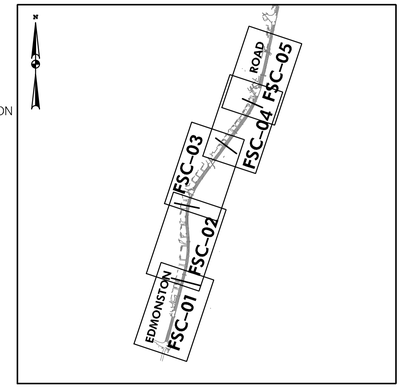
- W — WETLAND
- WB — 25' WETLAND BUFFFER
- CcC TYPE D SOIL / UdaF TYPE D SOIL — SOIL BOUNDARY
- CIP — CURB INLET PROTECTION
- SIP — STANDARD INLET PROTECTION
- SSF — SUPER SILT FENCE
- TREE PROTECTIVE FENCE



SITE PLAN KEY
SCALE: 1" = 1000'

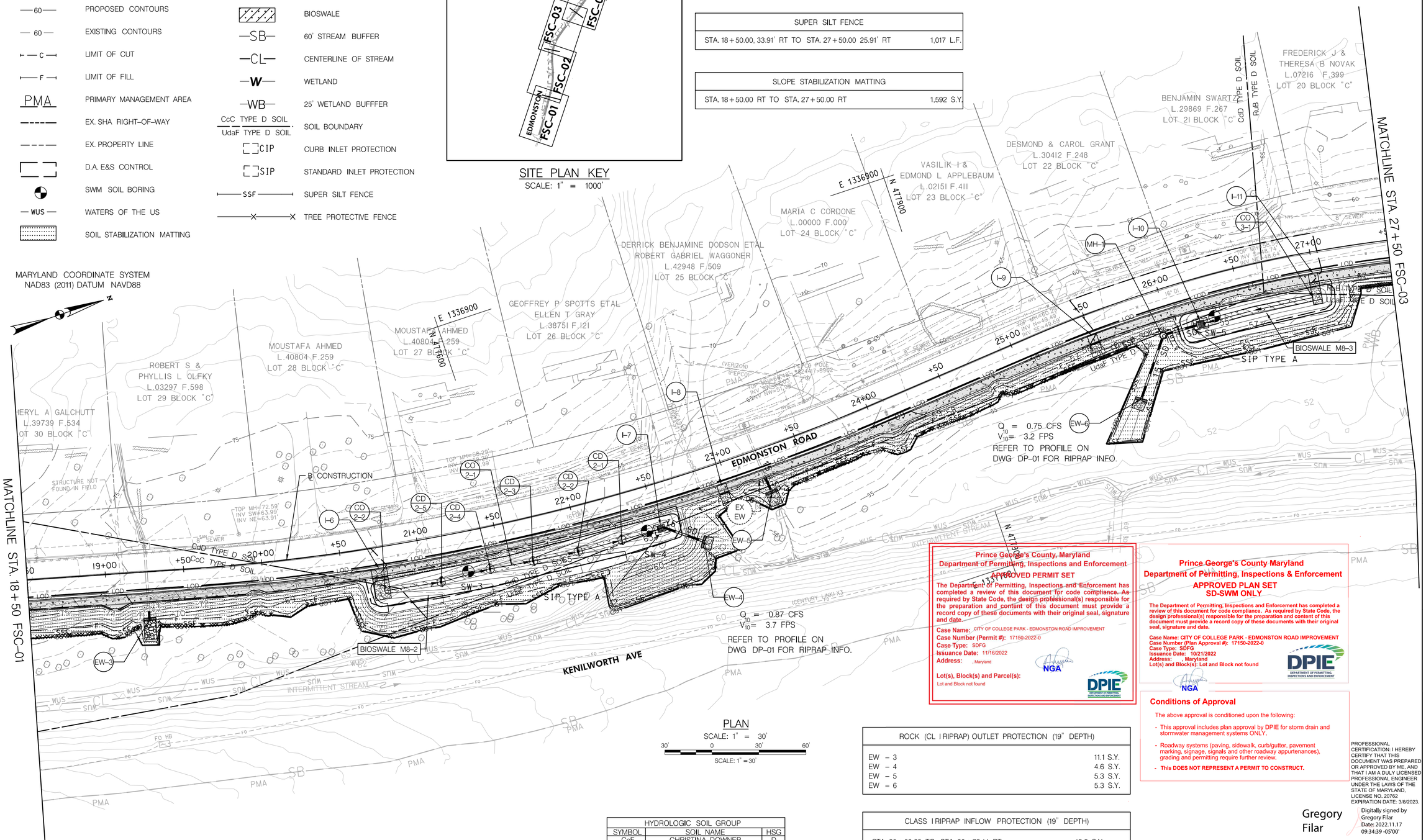
STANDARD INLET PROTECTION TYPE A	
STA. 22+52.23, 28.89' RT D.A. = 0.21 AC.	
STA. 26+20.69, 29.22' RT D.A. = 0.16 AC.	

SUPER SILT FENCE	
STA. 18+50.00, 33.91' RT TO STA. 27+50.00 25.91' RT	1,017 L.F.

SLOPE STABILIZATION MATTING	
STA. 18+50.00 RT TO STA. 27+50.00 RT	1,592 S.Y.

TREE PROTECTION FENCE	
STA. 18+50.00, 33.91' RT TO STA. 27+50.00 25.91' RT	1,017 L.F.

MARYLAND COORDINATE SYSTEM
NAD83 (2011) DATUM NAVD88



PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" = 30'

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

ROCK (CL I RIPRAP) OUTLET PROTECTION (19" DEPTH)	
EW - 3	11.1 S.Y.
EW - 4	4.6 S.Y.
EW - 5	5.3 S.Y.
EW - 6	5.3 S.Y.

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 20+68.29 TO STA. 20+78.14 RT	15.5 S.Y.
STA. 22+93.18 TO STA. 22+99.00 RT	5.5 S.Y.
STA. 25+47.28 TO STA. 25+53.43 RT	3.6 S.Y.
STA. 26+96.37 TO STA. 27+02.52 RT	9.5 S.Y.

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

The above approval is conditioned upon the following:

- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.
- Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.
- **This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.**

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

Gregory Filar

Digitally signed by Gregory Filar
Date: 2022.11.17 09:34:39 -05'00'

REVISIONS	
DATE	

OWNER/ DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
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Tel: 410.880.3055

DRAWING TITLE
FINAL GRADING, EROSION AND SEDIMENT CONTROL PLAN

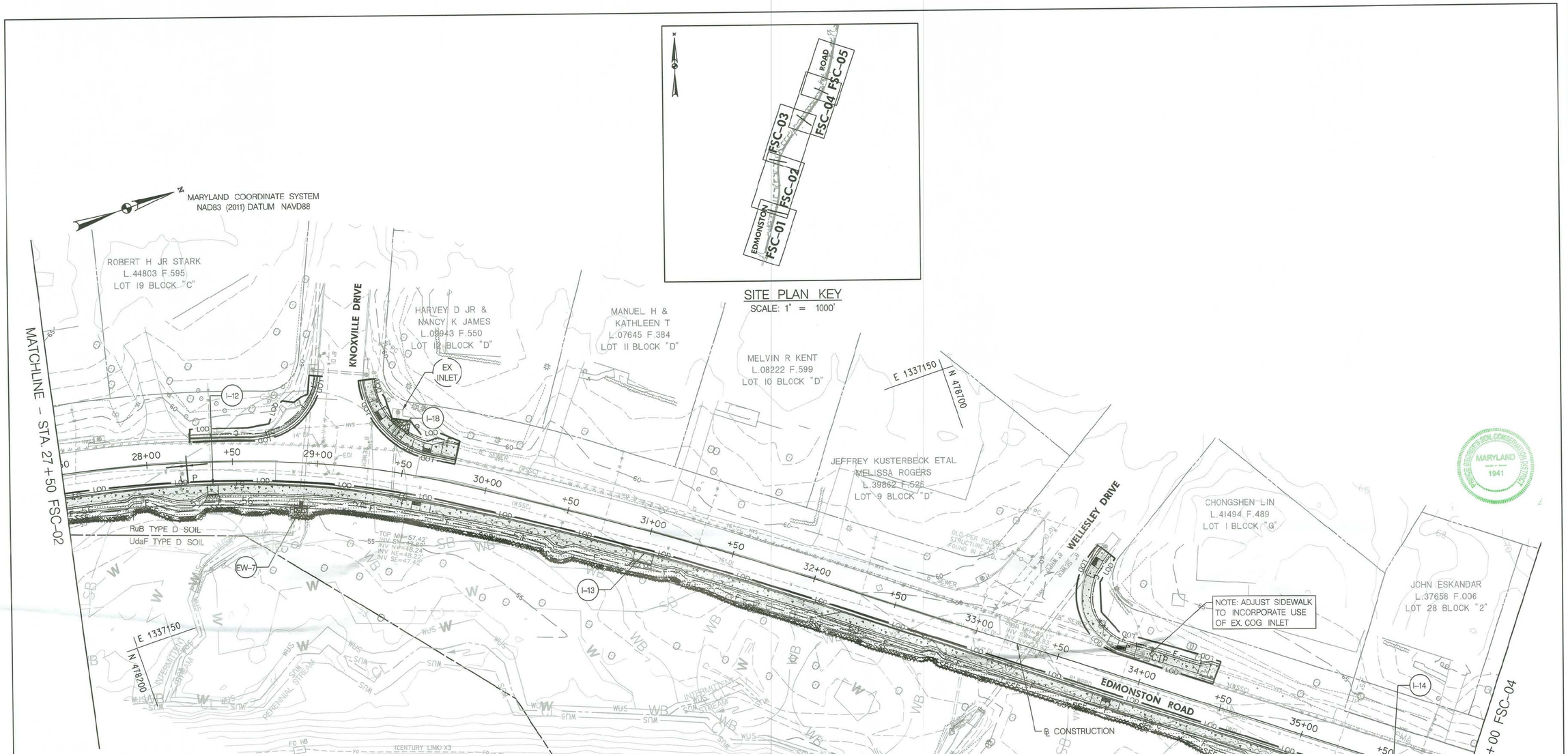
PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FILAR
No. 20762
REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
FSC-02	34 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:09 AM
FILE: L:\Admin\Projects\2019\2019063.07 City of College Park Ow-Ca-Ti\Task 2 - Edmonston Road Sidewalk Project\CADD\Lid\Ca-DP06_Edmonston.dgn



SITE PLAN KEY

SCALE: 1" = 1000'

LEGEND

	SOIL STABILIZATION MATTING		PROPOSED TREE LINE
	CONCRETE SIDEWALK		EXISTING TREE LINE
— LOD —	LIMITS OF DISTURBANCE/GRADING		RIPRAP INFLOW /OUTLET PROTECTION
—60—	PROPOSED CONTOURS		BIOSWALE
— 60 —	EXISTING CONTOURS	—SB—	60' STREAM BUFFER
— C —	LIMIT OF CUT	—CL—	CENTERLINE OF STREAM
— F —	LIMIT OF FILL	—W—	WETLAND
PMA	PRIMARY MANAGEMENT AREA	—WB—	25' WETLAND BUFFFER
	EX. SHA RIGHT-OF-WAY	CcC TYPE D SOIL / UdaF TYPE D SOIL	SOIL BOUNDARY
	EX. PROPERTY LINE	CIP	CURB INLET PROTECTION
	D.A. TO E&S CONTROL	SIP	STANDARD INLET PROTECTION
	SWM SOIL BORING	—SSF—	SUPER SILT FENCE
— WUS —	WATERS OF THE US	—X—X—	TREE PROTECTIVE FENCE

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 28+35.34 TO STA. 28+41.49 RT	3.5 S.Y.
STA. 30+94.50 TO STA. 31+05.05 RT	6.0 S.Y.
STA. 35+54.50 TO STA. 35+65.50 RT	7.3 S.Y.
STA. 29+39.37 TO STA. 29+50.05 LT	7.0 S.Y.

SUPER SILT FENCE	
STA. 27+50.00, 25.91' RT TO STA. 36+00.00 25.21' RT	848 L.F.

CURB INLET PROTECTION
STA. 33+97.22, 16.30' LT

SLOPE STABILIZATION MATTING	
STA. 27+50.00 RT TO STA. 36+00.00 RT	768 S.Y.

TREE PROTECTION FENCE	
STA. 27+50.00, 25.91' RT TO STA. 36+00.00 25.21' RT	848 L.F.

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

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PLAN

SCALE: 1" = 30'

30' 0 30' 60'

SCALE: 1" = 30'

REVISIONS	DATE

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
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Tel: 410.880.3055

DRAWING TITLE: FINAL GRADING, EROSION AND SEDIMENT CONTROL PLAN

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS

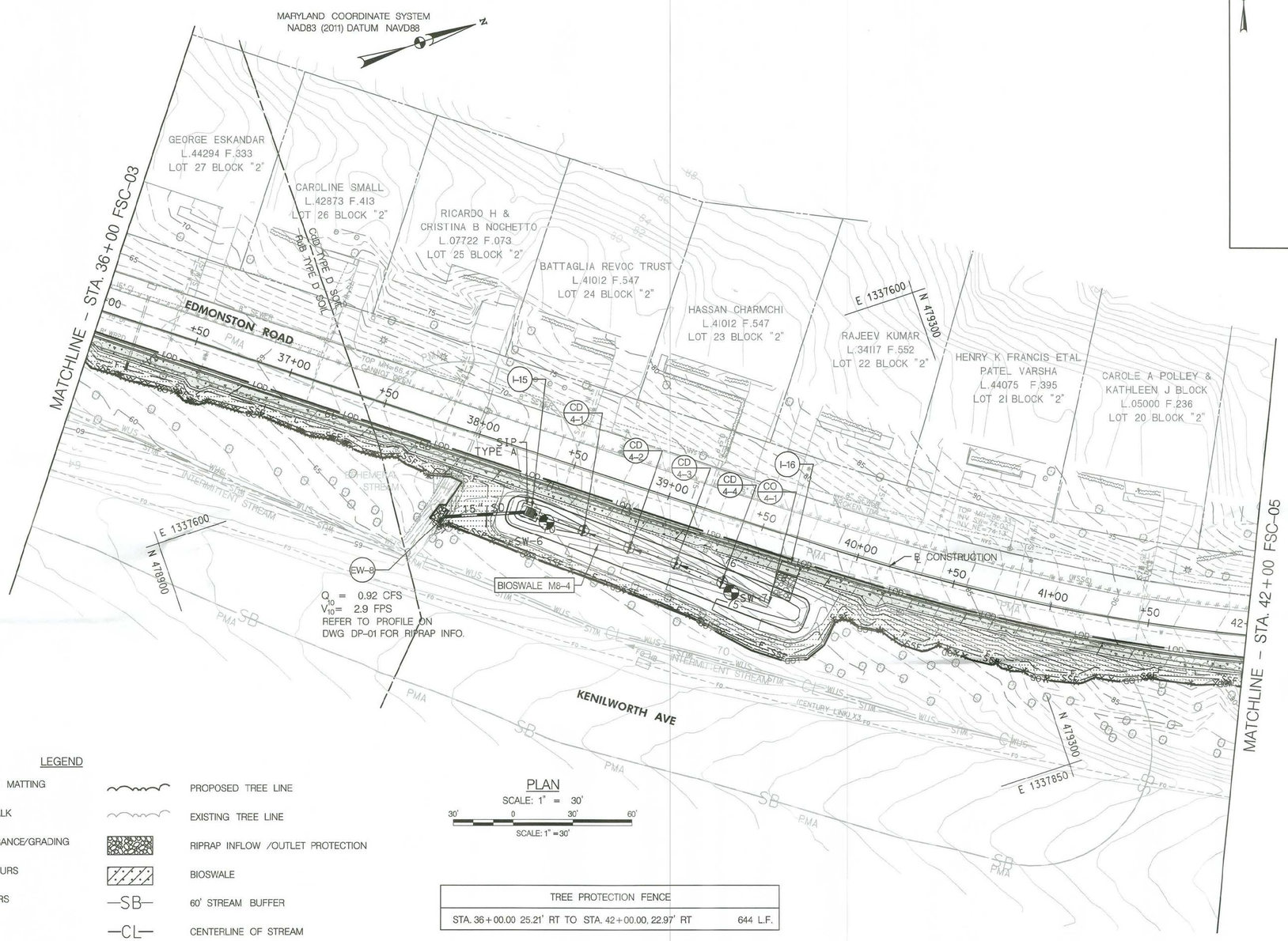
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

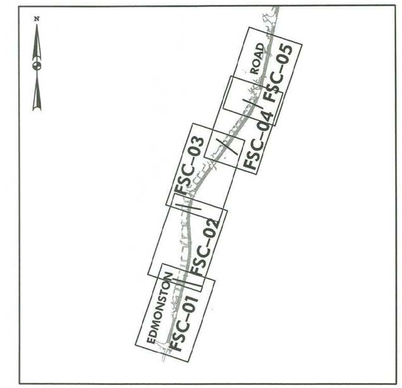
SEAL: STATE OF MARYLAND GREGORY WAYNE FRIDAY No. 20762 REGISTERED PROFESSIONAL ENGINEER 5/4/2022

DRAFTING: ADW	CHECKED: GWF
PLOT DATE: APRIL, 2022	
SCALE: 1" = 30'	
PROJECT NUMBER: 2019063.07	

DRAWING	SHEET
FSC-03	35 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:11 AM
FILE: \\ynsfile-k.yn.gpinet.com\Projects\2019\2019063.07 2018 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\plSHP03_Edmonston.dgn





SITE PLAN KEY
SCALE: 1" = 1000'

LEGEND

	SOIL STABILIZATION MATTING		PROPOSED TREE LINE
	CONCRETE SIDEWALK		EXISTING TREE LINE
LOD	LIMITS OF DISTURBANCE/GRADING		RIPRAP INFLOW /OUTLET PROTECTION
60	PROPOSED CONTOURS		BIOSWALE
60	EXISTING CONTOURS	SB	60' STREAM BUFFER
C	LIMIT OF CUT	CL	CENTERLINE OF STREAM
F	LIMIT OF FILL	W	WETLAND
PMA	PRIMARY MANAGEMENT AREA	WB	25' WETLAND BUFFFER
	EX. SHA RIGHT-OF-WAY	CcC TYPE D SOIL / UdaF TYPE D SOIL	SOIL BOUNDARY
	EX. PROPERTY LINE	CIP	CURB INLET PROTECTION
	D.A. TO INLET	SIP	STANDARD INLET PROTECTION
	SWM SOIL BORING	SSF	SUPER SILT FENCE
WUS	WATERS OF THE US		TREE PROTECTIVE FENCE

PLAN

SCALE: 1" = 30'

30' 0 30' 60'
SCALE: 1" = 30'

TREE PROTECTION FENCE	
STA. 36+00.00 25.21' RT TO STA. 42+00.00, 22.97' RT	644 L.F.

SUPER SILT FENCE	
STA. 36+00.00 25.21' RT TO STA. 42+00.00, 22.97' RT	644 L.F.

STANDARD INLET PROTECTION TYPE A
STA. 38+36.17, 29.27' RT D.A. = 0.21 AC

SOIL STABILIZATION MATTING	
STA. 36+00.00 RT TO STA. 42+00.00, RT	680 S.Y.

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

CLASS I RIPRAP INFLOW PROTECTION (19" DEPTH)	
STA. 39+64.28 TO STA. 39+74.24 RT	13.5 S.Y.

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REVISIONS	
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21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL: STATE OF MARYLAND GREGORY WAYNE FOX No. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

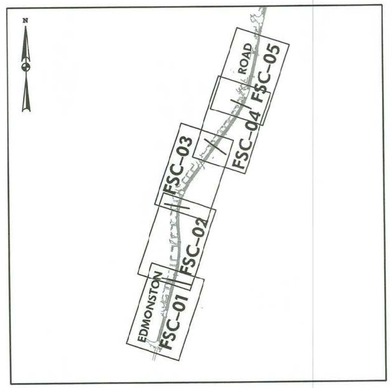
DRAFTING: ADW	CHECKED: GWF
PLOT DATE: APRIL, 2022	
SCALE: 1" = 30'	
PROJECT NUMBER: 2019063.07	

DRAWING	SHEET
FSC-04	36 OF 47

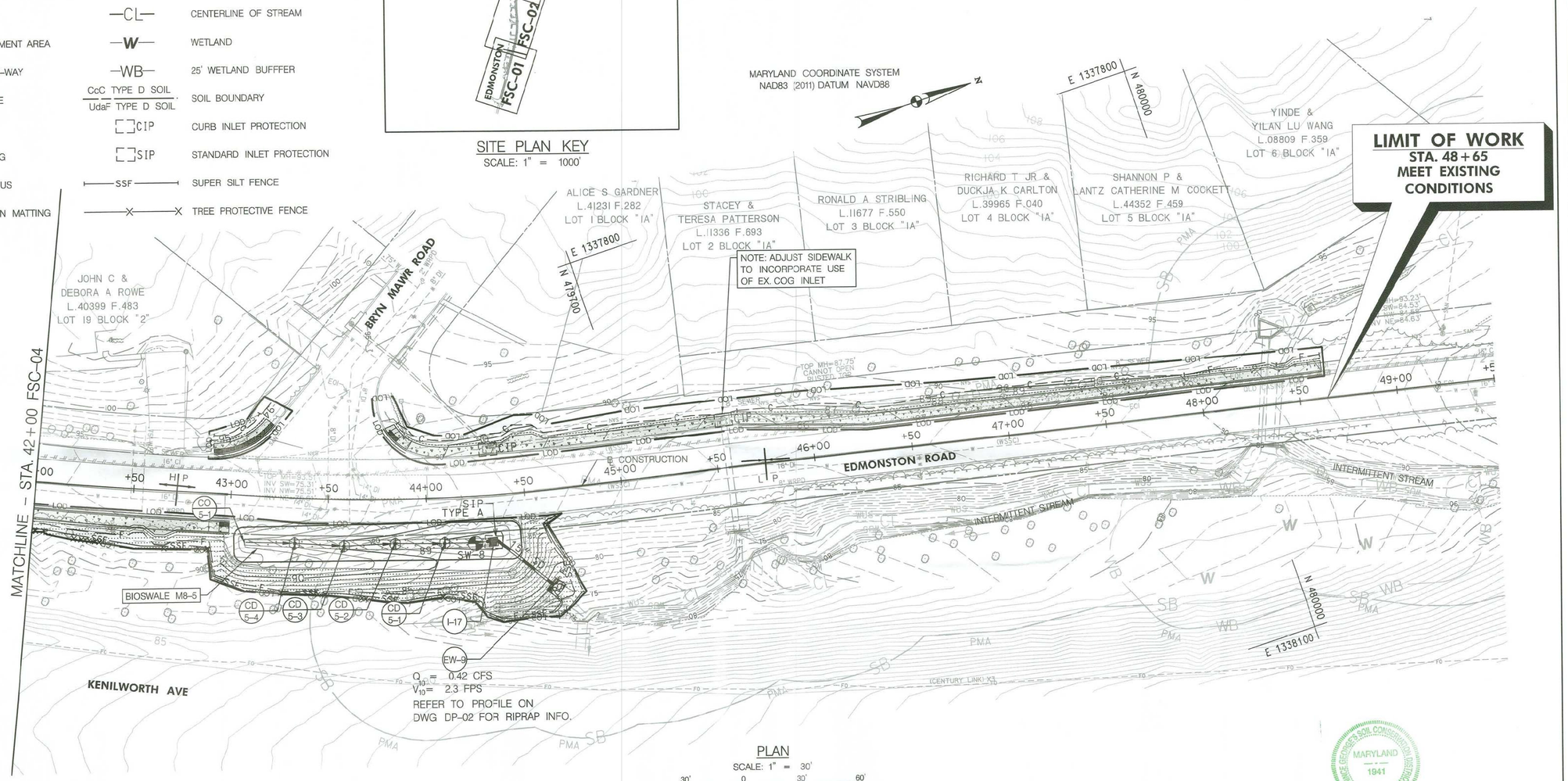
PLOTTED: Wednesday, May 04, 2022 AT 11:10 AM
FILE: \\mcfiles\projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\pdSS-P004_Edmonston.dgn

LEGEND

	CONCRETE SIDEWALK		PROPOSED TREE LINE
LOD	LIMITS OF DISTURBANCE/GRADING		EXISTING TREE LINE
60	PROPOSED CONTOURS		RIPRAP INFLOW /OUTLET PROTECTION
60	EXISTING CONTOURS		BIOSWALE
C	LIMIT OF CUT	SB	60' STREAM BUFFER
F	LIMIT OF FILL	CL	CENTERLINE OF STREAM
PMA	PRIMARY MANAGEMENT AREA	W	WETLAND
	EX. SHA RIGHT-OF-WAY	WB	25' WETLAND BUFFFER
	EX. PROPERTY LINE	CcC TYPE D SOIL / UdaF TYPE D SOIL	SOIL BOUNDARY
	D.A. TO INLET	CIP	CURB INLET PROTECTION
	SWM SOIL BORING	SIP	STANDARD INLET PROTECTION
WUS	WATERS OF THE US	SSF	SUPER SILT FENCE
	SOIL STABILIZATION MATTING	X	TREE PROTECTIVE FENCE



SITE PLAN KEY
SCALE: 1" = 1000'



PLAN
SCALE: 1" = 30'
30' 0 30' 60'
SCALE: 1" = 30'

TREE PROTECTION FENCE	
STA. 42+00.00, 22.97' RT TO STA. 44+64.21, 13.45' RT	346 L.F.

SUPER SILT FENCE	
STA. 42+00.00, 22.97' RT TO STA. 44+64.21, 13.45' RT	346 L.F.

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA-DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA-DOWNER	D
CdD	CHRISTINA-DOWNER	D
RuB	RUSSETT-CHRISTINA	D

CURB INLET PROTECTION
STA. 44+32.62, 23.18' LT
STA. 45+55.95, 25.05' LT

STANDARD INLET PROTECTION TYPE A	
STA. 44+32.47, 24.29' RT D.A. =	0.12 AC.

SOIL STABILIZATION MATTING	
STA. 42+00.00 RT TO STA. 44+75.74 RT	517 S.Y.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

REVISIONS	
DATE	

OWNER / DEVELOPER:
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11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
FINAL GRADING, EROSION AND SEDIMENT CONTROL PLAN

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY W. FERRO
No. 20762
REGISTERED
PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 30'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
FSC-05	37 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:10 AM
FILE: \\mcfiles\projects\Jobs\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\JobP-FSC_Edmonston.dgn

SEQUENCE OF CONSTRUCTION (SOC)

DESCRIPTION:

THIS PROJECT, FUNDED AND IMPLEMENTED BY THE CITY OF COLLEGE PARK WILL INCLUDE THE INSTALLATION OF SIDEWALK WITH CURB AND GUTTER ALONG THE EAST SIDE OF EDMONSTON ROAD FROM RADCLIFFE DRIVE TO BRYN MAWR ROAD. ADDITIONAL SIDEWALK WITH CURB AND GUTTER WILL BE INSTALLED ALONG THE WEST SIDE OF EDMONSTON ROAD FROM THE OLD CALVERT ROAD INTERSECTION TO RADCLIFFE ROAD. ADDITIONAL SIDEWALK, CURB AND GUTTER SEGMENTS WILL BE INSTALLED ON THE WEST SIDE INTERSECTION WITH KNOXVILLE DRIVE, WELLESLEY DRIVE AND BRYN MAWR ROAD WITH THE SEGMENT FROM BRYN MAWR ROAD EXTENDING TO THE CITY OF COLLEGE PARK LIMITS ON THE WEST SIDE. SIX (6) BIOSWALE STORMWATER MANAGEMENT FACILITIES WILL BE CONSTRUCTED ON THE EASTSIDE OF EDMONSTON ROAD BEYOND THE SIDEWALK AREA TO MEET STORMWATER MANAGEMENT TREATMENT REQUIREMENTS. THE SEQUENCE OF CONSTRUCTION IS WRITTEN TO SEPARATE THE EASTSIDE AND WESTSIDE PHASES.

GENERAL NOTES:

1. PRIOR TO THE START OF DEMOLITION AND/OR CONSTRUCTION ACTIVITIES, A PRE-CONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE EROSION AND SEDIMENT CONTROL INSPECTOR (PRINCE GEORGE'S COUNTY DEPARTMENT OF PERMITS, INSPECTION AND ENFORCEMENT (DPIE); FOR SITE DEVELOPMENT PERMITS AT 301-883-3820).
2. NO STABILIZED CONSTRUCTION ENTRANCES ARE NOTED FOR THIS PROJECT AS ACCESS TO THE WORK AREA CAN BE COMPLETED FROM THE EDGE OF THE ROADWAY. ANY EARTH, GRAVEL, AND/OR OTHER MATERIAL TRACKED, SPILLED OR WASHED ONTO THE ADJACENT ROADWAY MUST BE IMMEDIATELY REMOVED AND DISPOSED OF IN A PROPER MANNER. FLUSHING WILL NOT BE PERMITTED. ALL MATERIAL MUST BE REMOVED BY MEANS OF SHOVELING AND SWEEPING.
3. NO CONTRACTOR'S STAGING/STOCKPILE AREA IS NOTED ON THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROCURE THE REQUIRED LOCATION THAT MEETS WITH THE APPROVAL OF THE ENGINEER/SEDIMENT CONTROL INSPECTOR. ALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BY THE CONTRACTOR AND APPROVED BY THE SEDIMENT CONTROL INSPECTOR.
4. NO 100-YEAR FLOODPLAIN EXISTS WITHIN THE PROJECT LIMITS. THERE ARE IMPACTS TO ENVIRONMENTAL AREAS. A MDE GENERAL WATERWAY CONSTRUCTION PERMIT WILL BE PROVIDED PRIOR TO CONSTRUCTION.

SEQUENCE:

WESTSIDE CONSTRUCTION:

STA. 10+75 TO STA. 14+32, LT. (2 WEEKS)

1. STAKE OUT THE LIMIT OF DISTURBANCE (LOD).
2. CLEAR AND GRUB AS REQUIRED TO INSTALL DIVERSION FENCE AND CLEAR WATER DIVERSION PIPES AND INSTALL.
3. PROCEED WITH EXCAVATION FOR INSTALLATION OF CURB AND GUTTER. NOTE THAT THE CONTRACTOR SHALL LIMIT THE AMOUNT OF WORK THAT CAN BE STABILIZED AT THE END OF THE WORKDAY AS NOTED IN THE "SAME DAY STABILIZATION NOTE".
4. CONSTRUCT CURB AND GUTTER ALONG EDMONSTON ROAD TO LIMITS INDICATED ON PLAN.
5. EXCAVATE AS REQUIRED TO CONSTRUCT SIDEWALK AND CURB RETAINING WALL. NOTE THAT THE CONTRACTOR SHALL LIMIT THE AMOUNT OF WORK THAT CAN BE STABILIZED AT THE END OF THE WORKDAY AS NOTED IN THE "SAME DAY STABILIZATION NOTE".
6. CONSTRUCT SIDEWALK AND CURB RETAINING WALL AS NOTED ON THE ROADWAY PLANS
7. UPON COMPLETION OF WORK APPLY PERMANENT STABILIZATION TO ALL REMAINING DISTURBED AREAS.

STA. 14+92 TO STA. 15+29, LT. (2 WEEKS)

1. STAKE OUT THE LIMIT OF DISTURBANCE (LOD).
2. PROCEED WITH CONSTRUCTION OF THE RETAINING WALL, CURB AND GUTTER AND SIDEWALK USING SAME DAY STABILIZATION NOTE THAT THE CONTRACTOR SHALL LIMIT THE AMOUNT OF WORK THAT CAN BE STABILIZED AT THE END OF THE WORKDAY AS NOTED IN THE "SAME DAY STABILIZATION NOTE".
3. UPON COMPLETION OF WORK APPLY PERMANENT STABILIZATION WITH SOIL STABILIZATION MATTING (SSM) TO ALL REMAINING DISTURBED AREAS.

STA. 28+25 TO STA. 28+97, LT. (1 WEEKS)

1. STAKE OUT THE LIMIT OF DISTURBANCE (LOD).
2. PROCEED WITH CONSTRUCTION OF CURB AND GUTTER AND SIDEWALK USING SAME DAY STABILIZATION. NOTE THAT THE CONTRACTOR SHALL LIMIT THE AMOUNT OF WORK THAT CAN BE STABILIZED AT THE END OF THE WORKDAY AS NOTED IN THE "SAME DAY STABILIZATION NOTE".
3. UPON COMPLETION OF WORK APPLY PERMANENT STABILIZATION TO ALL REMAINING DISTURBED AREAS.

STA. 29+21 TO STA. 29+79, LT. (2 WEEKS)

1. STAKE OUT THE LIMIT OF DISTURBANCE (LOD).
2. PROCEED WITH CONSTRUCTION OF CURB AND GUTTER AND SIDEWALK USING SAME DAY STABILIZATION. NOTE THAT THE CONTRACTOR SHALL LIMIT THE AMOUNT OF WORK THAT CAN BE STABILIZED AT THE END OF THE WORKDAY AS NOTED IN THE "SAME DAY STABILIZATION NOTE".
3. UPON COMPLETION OF WORK APPLY PERMANENT STABILIZATION TO ALL REMAINING DISTURBED AREAS.

STA. 33+55 TO STA. 34+42, LT. (2 WEEKS)

1. STAKE OUT THE LIMIT OF DISTURBANCE (LOD).
2. INSTALL CURB INLET PROTECTION (CIP).
3. PROCEED WITH CONSTRUCTION OF CURB AND GUTTER AND SIDEWALK USING SAME DAY STABILIZATION. NOTE THAT THE CONTRACTOR SHALL LIMIT THE AMOUNT OF WORK THAT CAN BE STABILIZED AT THE END OF THE WORKDAY AS NOTED IN THE "SAME DAY STABILIZATION NOTE".
4. UPON COMPLETION OF WORK APPLY PERMANENT STABILIZATION TO ALL REMAINING DISTURBED AREAS.

STA. 42+88 TO STA. 43+24, LT. (1 WEEKS)

1. STAKE OUT THE LIMIT OF DISTURBANCE (LOD).
2. PROCEED WITH CONSTRUCTION OF CURB AND GUTTER AND SIDEWALK USING SAME DAY STABILIZATION. NOTE THAT THE CONTRACTOR SHALL LIMIT THE AMOUNT OF WORK THAT CAN BE STABILIZED AT THE END OF THE WORKDAY AS NOTED IN THE "SAME DAY STABILIZATION NOTE".
3. UPON COMPLETION OF WORK APPLY PERMANENT STABILIZATION TO ALL REMAINING DISTURBED AREAS.

STA. 43+76 TO STA. 48+65, LT. (3 WEEKS)

1. STAKE OUT THE LIMIT OF DISTURBANCE (LOD).
2. INSTALL CURB INLET PROTECTION (CIP).
3. PROCEED WITH CONSTRUCTION OF CURB AND GUTTER AND SIDEWALK USING SAME DAY STABILIZATION. NOTE THAT THE CONTRACTOR SHALL LIMIT THE AMOUNT OF WORK THAT CAN BE STABILIZED AT THE END OF THE WORKDAY AS NOTED IN THE "SAME DAY STABILIZATION NOTE".
4. UPON COMPLETION OF WORK APPLY PERMANENT STABILIZATION TO ALL REMAINING DISTURBED AREAS.

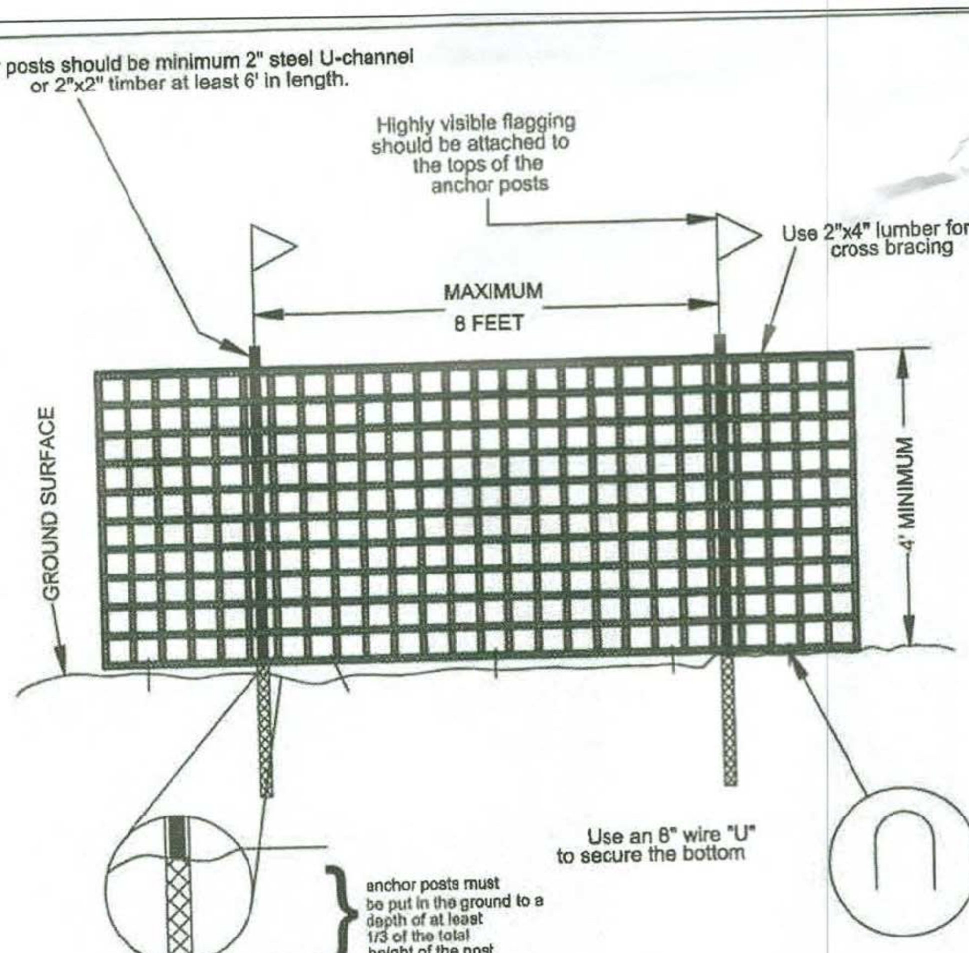
EASTSIDE CONSTRUCTION:

STA. 14+08 TO STA. 43+00, RT. (3 MONTHS)

1. STAKE OUT THE LIMIT OF DISTURBANCE (LOD).
2. INSTALL ORANGE TREE PROTECTION FENCE AS NOTED ON PLANS.
3. INSTALL SUPER SILT FENCE AS NOTED ON PLAN.
4. PROCEED WITH THE EXTENSION OF EXISTING ROADWAY CULVERTS/ENDWALLS AND RIPRAP OUTLET PROTECTION AS NOTED ON PLANS.
5. PROCEED WITH CONSTRUCTION OF CURB AND GUTTER AND INSTALL COG OPENINGS (MD SHA STD. 374.68) WITH RIPRAP OUTLET PROTECTION AS SHOWN ON THE PLANS.
6. CONSTRUCT SIDEWALK AREAS AND BACKFILL BEHIND. STABILIZE EMBANKMENT AREAS.
7. PROCEED WITH THE CONSTRUCTION OF BIOSWALES M8-1 THRU M8-6. INSTALL INLET PROTECTION AND RIPRAP OUTLET PROTECTION.
8. STABILIZE DISTURBED AREAS AND INSTALL SOIL STABILIZATION MATTING ON SLOPE AREAS.
9. FINALIZE BIOSWALE CONSTRUCTION INCLUDING CHECK DAM INSTALLATION AND LANDSCAPE PLANTINGS.
10. UPON FINAL STABILIZATION OF AREA AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE THE SUPER SILT FENCE AND INLET PROTECTION DEVICES, AND STABILIZE ANY REMAINING DISTURBED AREAS.

SAME DAY STABILIZATION (SDS) NOTE:

IN LIEU OF SEDIMENT CONTROL DEVICES SHOWN. UPON PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, SAME DAY STABILIZATION (SDS) MAY BE IMPLEMENTED. SDS IS LIMITED TO AREAS WHERE THE PROPOSED WORK CAN AND SHALL BE COMPLETED IN A SINGLE WORKING DAY, INCLUDING APPLICATION OF THE PERMANENT STABILIZATION. IN SOME INSTANCES, TEMPORARY PLASTIC SHEETING MAY BE USED TO PROTECT MULTI-DAY SDS AREAS. SEED, STRAW AND/ OR SSM ARE NOT ACCEPTABLE METHODS TO TEMPORARILY STABILIZE A SDS WORK AREA THAT WILL BE DISTURBED THE NEXT DAY.



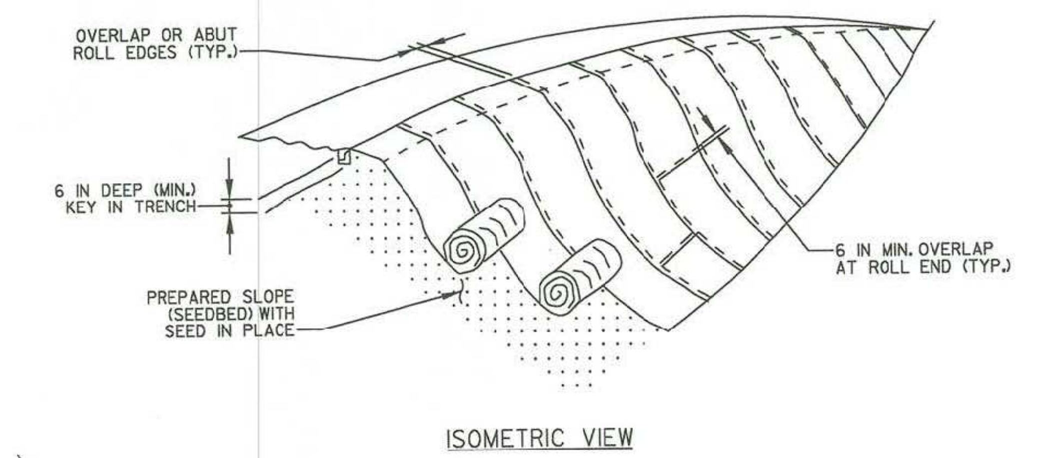
GENERAL NOTES

1. Limits of disturbance will be set as part of the review process for an approved TCP.
2. The boundaries of the limits of disturbance should be staked and flagged prior to erecting the protective device.
3. Anchor posts should be placed to avoid severing or damaging large tree roots.
4. Fencing material should be fastened securely to the anchor posts, cross bracing, and ground.

TREE PROTECTIVE DEVICE BLAZE ORANGE PLASTIC MESH | TPD-G OPTION 3

DETAIL B-4-6-B TEMPORARY SOIL STABILIZATION MATTING SLOPE APPLICATION

STANDARD SYMBOL: TSSMS - * lb/ft² (* INCLUDE SHEAR STRESS)



CONSTRUCTION SPECIFICATIONS

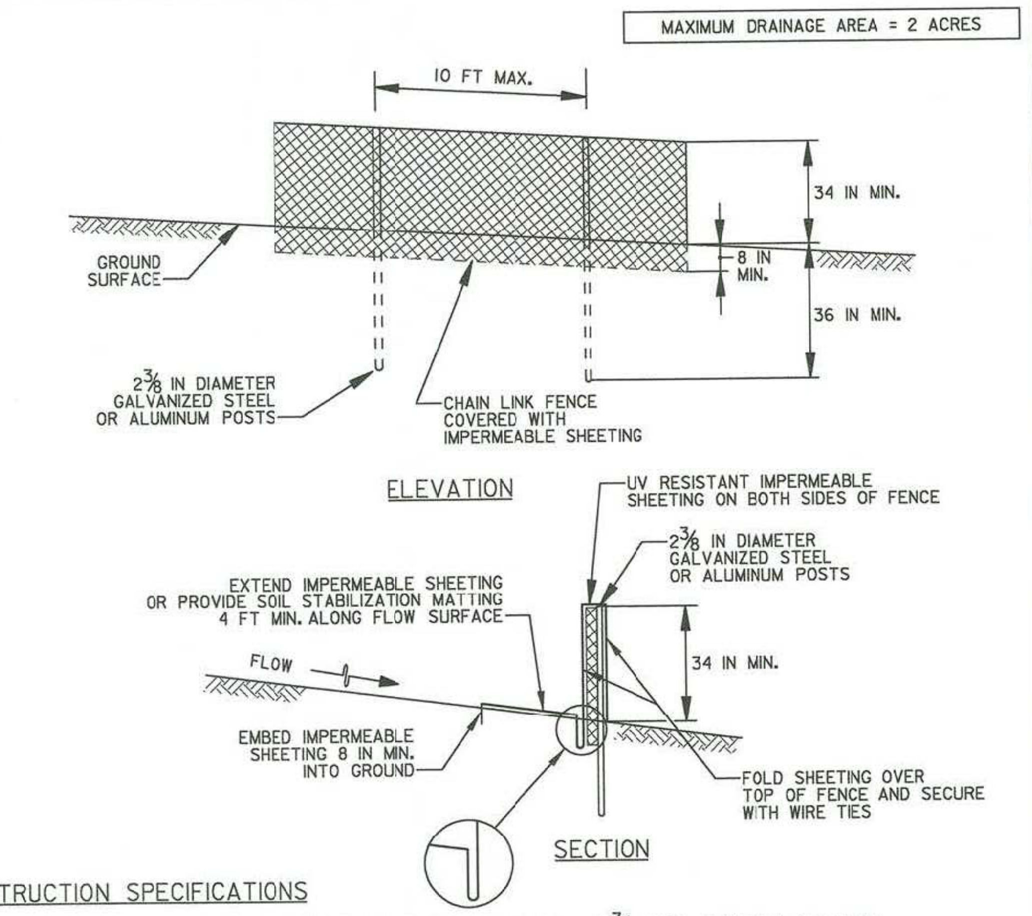
1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE TEMPORARY SOIL STABILIZATION MATTING MADE OF DEGRADABLE (LASTS 6 MONTHS MINIMUM) NATURAL OR MAN-MADE FIBERS (MOSTLY ORGANIC). MAT MUST HAVE UNIFORM THICKNESS AND DISTRIBUTION OF FIBERS THROUGHOUT AND BE SMOLDER RESISTANT. CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-INJURIOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES, WOOD STAKES, OR BIODEGRADABLE EQUIVALENT. STAPLES MUST BE 'U' OR 'T' SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY. 'U' SHAPED STAPLES MUST AVERAGE 1 TO 1½ INCHES WIDE AND BE A MINIMUM OF 6 INCHES LONG. 'T' SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND A MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPED AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION & SEDIMENT CONTROL PLAN.
5. UNROLL MATTING DOWNSLOPE. LAY MAT SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
6. OVERLAP OR ABUT ROLL EDGES PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSLOPE MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT.
7. KEY IN THE UPSLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.
8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL C-9 DIVERSION FENCE

STANDARD SYMBOL: DF



CONSTRUCTION SPECIFICATIONS

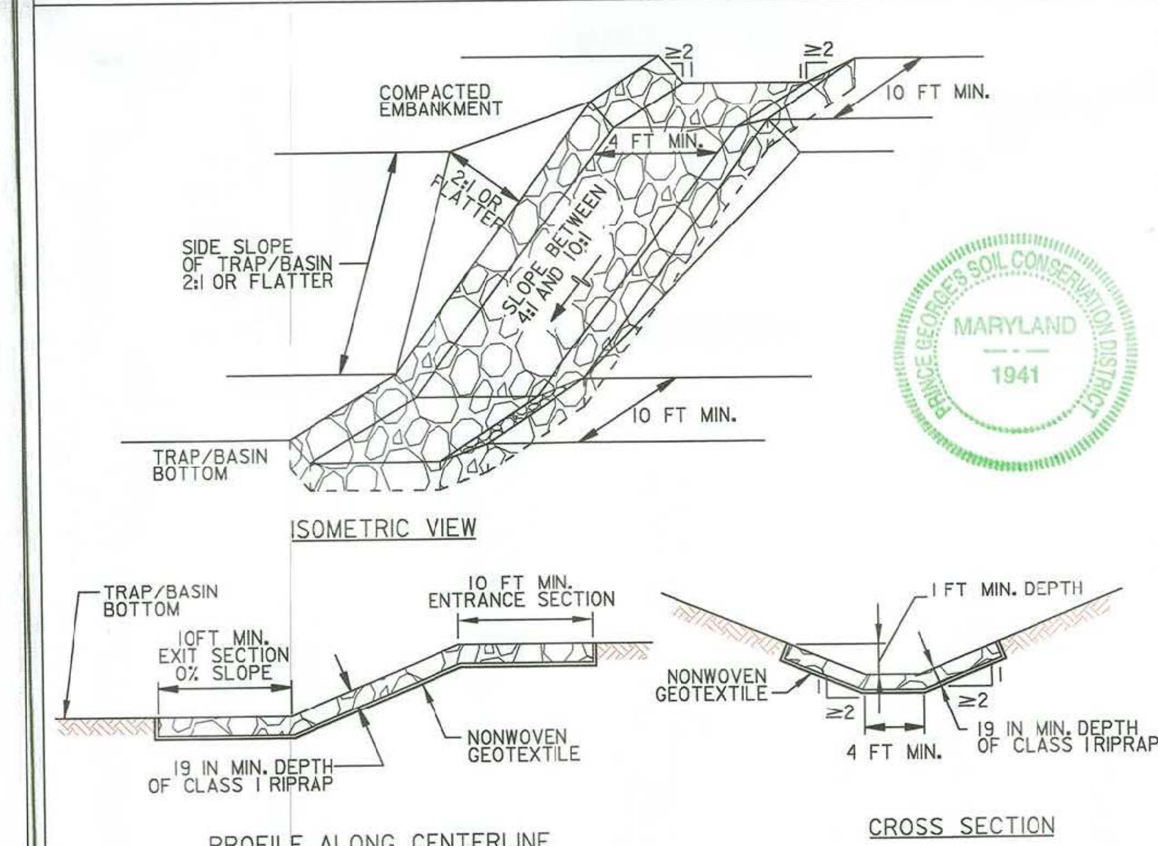
1. USE 42 INCH HIGH, 9 GAUGE OR THICKER CHAIN LINK FENCING (2⅜ INCH MAXIMUM OPENING).
2. USE 2⅜ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
3. FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES.
4. SECURE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT TOP, MID SECTION, AND BELOW GROUND SURFACE.
5. EXTEND SHEETING A MINIMUM OF 4 FEET ALONG FLOW SURFACE AND EMBED END A MINIMUM OF 8 INCHES INTO GROUND. SOIL STABILIZATION MATTING MAY BE USED IN LIEU OF IMPERMEABLE SHEETING ALONG FLOW SURFACE.
6. WHEN TWO SECTIONS OF SHEETING ADJOIN EACH OTHER, OVERLAP BY 6 INCHES AND FOLD WITH SEAM FACING DOWNGRADE.
7. KEEP FLOW SURFACE ALONG DIVERSION FENCE AND POINT OF DISCHARGE FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE. REPLACE IMPERMEABLE SHEETING IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL D-3-1 RIPRAP INFLOW PROTECTION

STANDARD SYMBOL: RRP



CONSTRUCTION SPECIFICATIONS

1. PROVIDE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND ALONG SIDES OF ALL RIPRAP.
2. CONSTRUCT INFLOW CHANNEL WITH CLASS I RIPRAP OR EQUIVALENT RECYCLED CONCRETE LINING TO A MINIMUM DEPTH OF 19 INCHES (2 × D_{50}) AND A 1 FOOT DEEP FLOW CHANNEL. INFLOW RIPRAP PROTECTION CHANNEL MUST HAVE A TRAPEZOIDAL CROSS SECTION WITH 2:1 OR FLATTER SIDE SLOPES AND A 4 FOOT MINIMUM BOTTOM WIDTH.
3. INSTALL ENTRANCE AND EXIT SECTIONS AS SHOWN ON THE PROFILE.
4. BLEND RIPRAP INTO EXISTING GROUND.
5. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

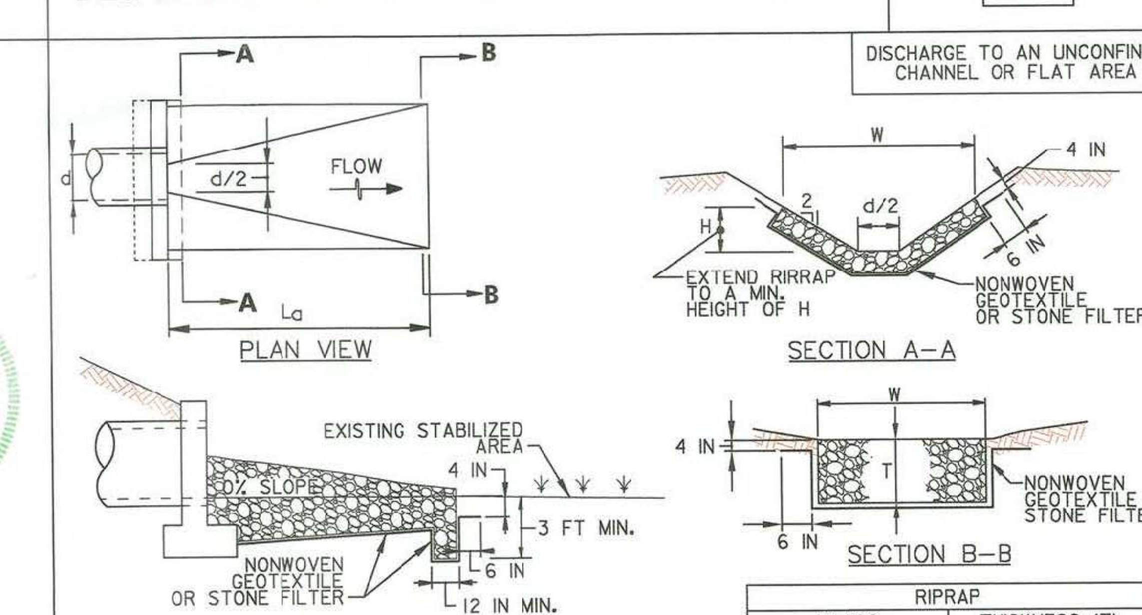
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

PRINCE GEORGE'S SOIL CONSERVATION DISTRICT MARYLAND 1941

DETAIL D-4-1-C ROCK OUTLET PROTECTION III

STANDARD SYMBOL: ROPIII

DISCHARGE TO AN UNCONFINED CHANNEL OR FLAT AREA



RIPRAP	
CLASS	THICKNESS (T)
I	19 IN
II	32 IN
III	46 IN

CONSTRUCTION SPECIFICATIONS

1. RIPRAP AND STONE MUST CONFORM TO THE SPECIFIED CLASS.
2. USE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, AND PROTECT FROM PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE TOGETHER.
3. PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (⅜ TO 1½ INCH MINIMUM STONE FOR 6 INCH MINIMUM DEPTH) AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
4. EXTEND GEOTEXTILE AT LEAST 6 INCHES BEYOND EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES AT SIDES OF RIPRAP.
5. CONSTRUCT RIPRAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIPRAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE RIPRAP IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR GEOTEXTILE. HAND PLACE TO THE EXTENT NECESSARY.
6. WHERE NO ENDWALL IS USED, CONSTRUCT THE UPSTREAM END OF THE APRON SO THAT THE WIDTH IS TWO TIMES THE DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET BY A MINIMUM OF 18 INCHES.
7. CONSTRUCT APRON WITH 0% SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS IN WITH EXISTING GROUND.
8. MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND RIPRAP DISLODGED RIPRAP. MAKE NECESSARY REPAIRS IMMEDIATELY.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

REVISIONS | DATE

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DRAWING TITLE: FINAL GRADING, EROSION AND SEDIMENT CONTROL SOC, NOTES AND DETAILS

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL: STATE OF MARYLAND GREGORY WAYNE FILAR NO. 20762 REGISTERED PROFESSIONAL ENGINEER 5/4/2022

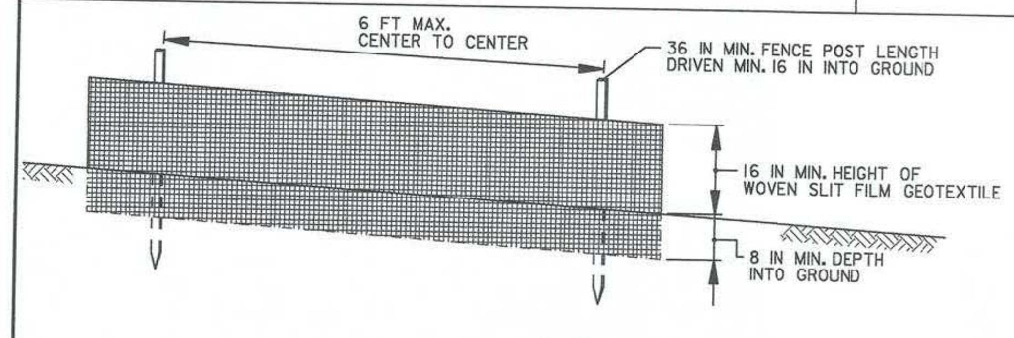
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: AS SHOWN
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
FSC-06	38 OF 47

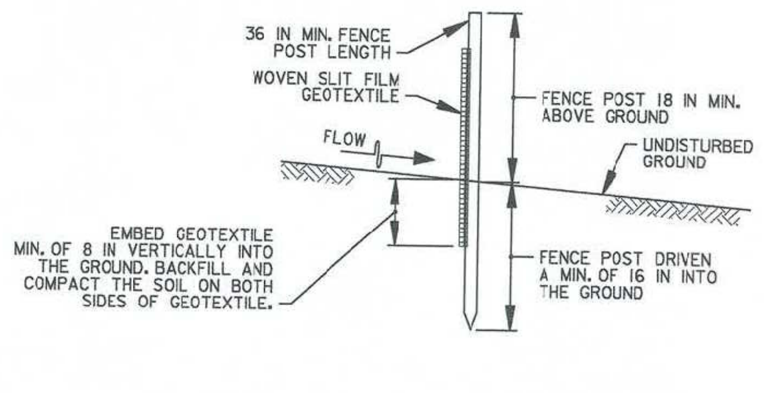
PLOTTED: Wednesday, May 04, 2022 AT 11:10 AM
FILE: \\md1fs4v\Projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 – Edmonston Road Sidewalk Project\CADD\pES-N001_Edmonston.dgn

DETAIL E-1 SILT FENCE

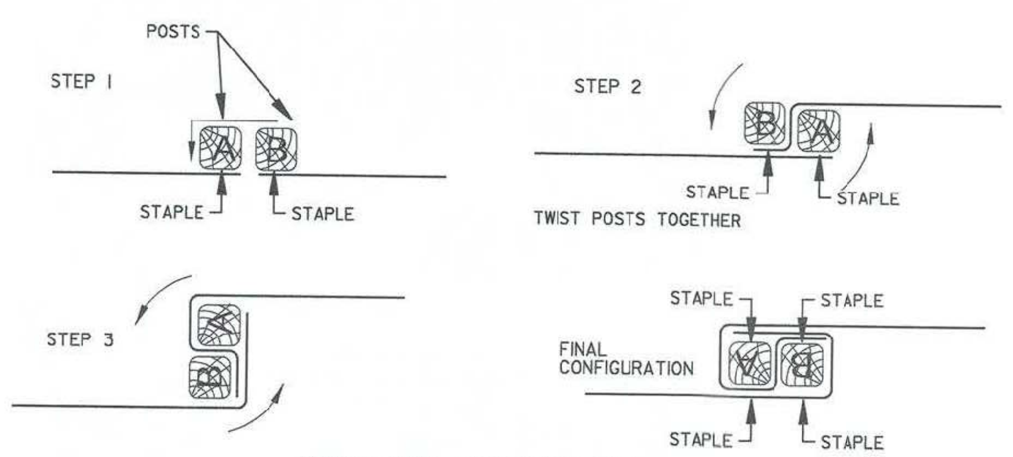
STANDARD SYMBOL
SF



ELEVATION



CROSS SECTION



JOINING TWO ADJACENT SILT FENCE SECTIONS (TOP VIEW)

1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-1 SILT FENCE

STANDARD SYMBOL
SF

CONSTRUCTION SPECIFICATIONS

1. USE WOOD POSTS $1\frac{3}{4}$ X $1\frac{3}{4}$ ± $\frac{1}{16}$ INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
3. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

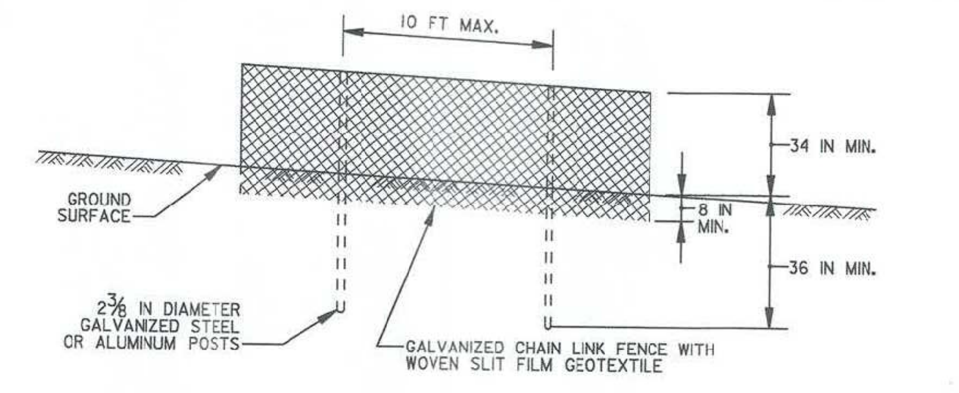
2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

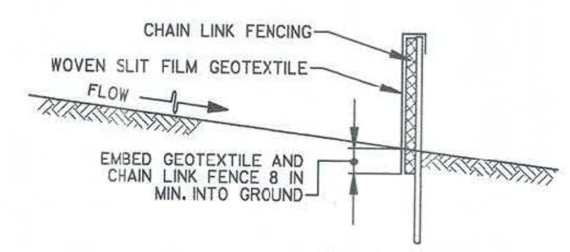
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-3 SUPER SILT FENCE

STANDARD SYMBOL
SSF



ELEVATION



CROSS SECTION

CONSTRUCTION SPECIFICATIONS

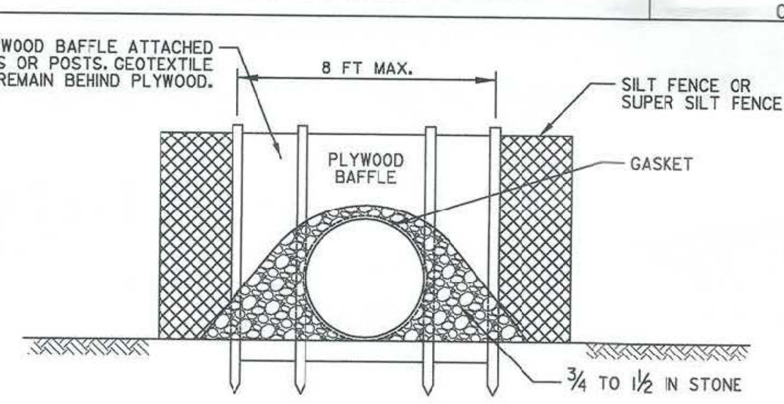
1. INSTALL $2\frac{3}{8}$ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
2. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE ($2\frac{3}{8}$ INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
3. FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.
4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
6. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
7. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

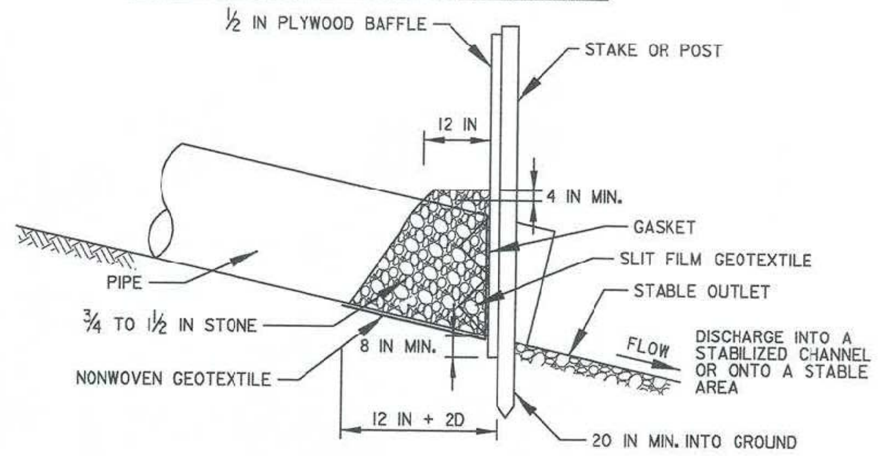
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-4 CLEAR WATER PIPE THROUGH SILT FENCE OR SUPER SILT FENCE

STANDARD SYMBOL
CWP



CROSS SECTION - LOOKING DOWNGRADE



PROFILE

CONSTRUCTION SPECIFICATIONS

1. INSTALL SILT FENCE OR SUPER SILT FENCE IN ACCORDANCE WITH DETAIL E-1 OR DETAIL E-2.
2. AT THE PIPE LOCATION, CUT AND PULL BACK THE WOVEN SLIT FILM GEOTEXTILE AND CHAIN LINK FENCING. SECURE GEOTEXTILE TO PIPE WITH GASKET. INSTALL ADDITIONAL STAKES OR POSTS IF NECESSARY TO ACCOMMODATE THE INSTALLATION OF THE BAFFLE BOARD.
3. ENTRENCH $\frac{1}{2}$ INCH PLYWOOD BAFFLE A MINIMUM OF 8 INCHES AND SECURE TO THE UPGRADE SIDE OF THE FENCE STAKES OR POSTS. BAFFLE SHOULD BE AT LEAST THE HEIGHT OF THE FENCE.
4. PLACE $\frac{3}{4}$ TO $1\frac{1}{2}$ INCH STONE OR EQUIVALENT RECYCLED CONCRETE BEHIND THE PLYWOOD BAFFLE ON NONWOVEN GEOTEXTILE AND EXTEND 12 INCH MIN. ALONG TOP OF PIPE AND TO A HEIGHT OF 4 INCHES ABOVE THE TOP OF PIPE.
5. USE NONWOVEN AND WOVEN SLIT FILM GEOTEXTILES AS SPECIFIED IN SECTION H-1 MATERIALS.
6. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN SEDIMENT REACHES 6 INCHES IN HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL BAFFLE, CHAIN LINK, AND GEOTEXTILE. REPLACE STONE IF DISPLACED. KEEP POINT OF DISCHARGE FREE OF EROSION.

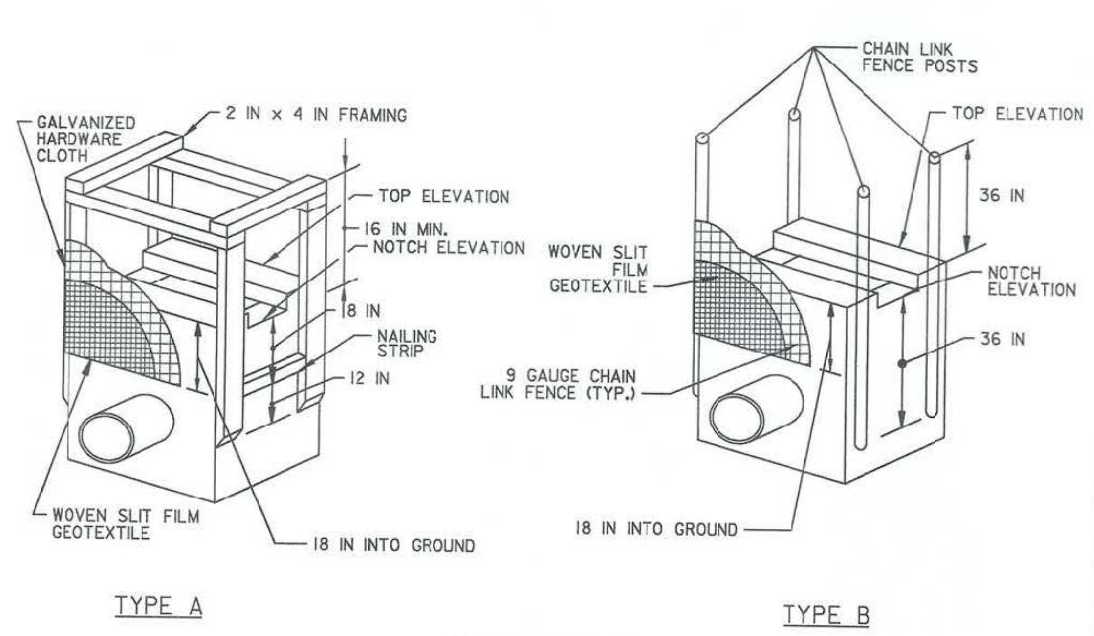
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

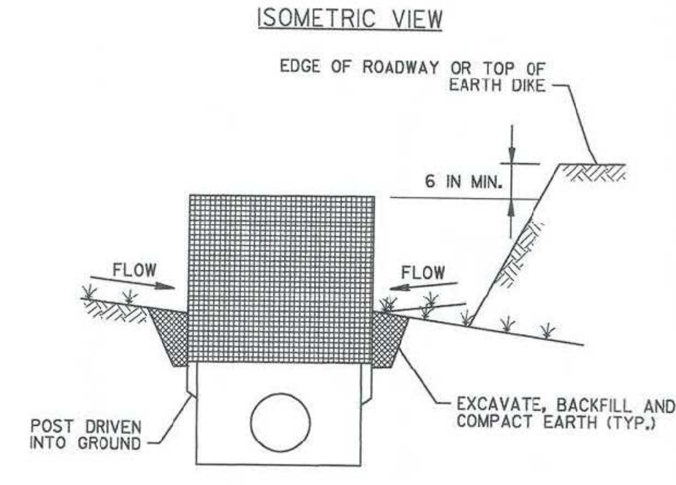
DETAIL E-9-1 STANDARD INLET PROTECTION

STANDARD SYMBOL
SIP

TYPE A MAXIMUM DRAINAGE AREA = $\frac{1}{4}$ ACRE
TYPE B MAXIMUM DRAINAGE AREA = 1 ACRE



ISOMETRIC VIEW



SECTION FOR TYPE A AND B

1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-1 STANDARD INLET PROTECTION

STANDARD SYMBOL
SIP

CONSTRUCTION SPECIFICATIONS

1. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
2. EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18 INCHES BELOW THE NOTCH ELEVATION.
3. FOR TYPE A, USE NOMINAL 2 INCH X 4 INCH CONSTRUCTION GRADE LUMBER POSTS, DRIVEN 1 FOOT INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2X4 FRAME AS SHOWN. STRETCH $\frac{1}{2}$ INCH GALVANIZED HARDWARE CLOTH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. FASTEN GEOTEXTILE SECURELY TO THE HARDWARE CLOTH WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND HARDWARE CLOTH A MINIMUM OF 18 INCHES BELOW THE WEIR CREST. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST, BE OVERLAPPED AND FOLDED, THEN FASTENED TO THE POST.

   FOR TYPE B, USE $2\frac{3}{8}$ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND 6 FOOT LENGTH, DRIVEN A MINIMUM OF 36 INCHES BELOW THE WEIR CREST AT EACH CORNER OF THE STRUCTURE. FASTEN 9 GAUGE OR HEAVIER CHAIN LINK FENCE, 42 INCHES IN HEIGHT, SECURELY TO THE FENCE POSTS WITH WIRE TIES. FASTEN GEOTEXTILE SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 18 INCHES BELOW THE WEIR CREST.
4. BACKFILL AROUND THE INLET IN LOOSE 4 INCH LIFTS AND COMPACT UNTIL SOIL IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND TOP ELEVATION ON THE SIDES.
5. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

2 OF 2

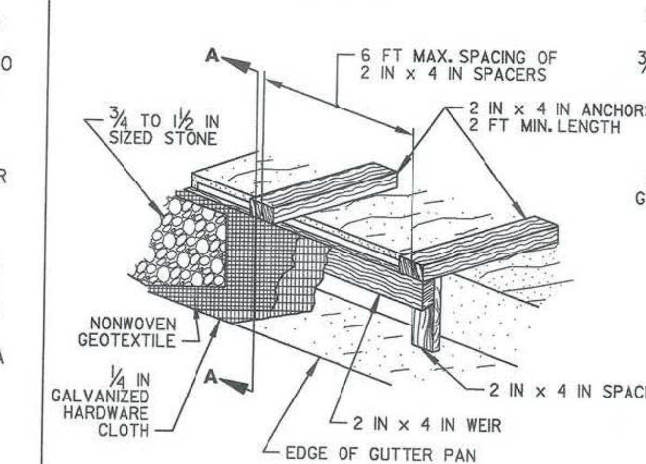
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

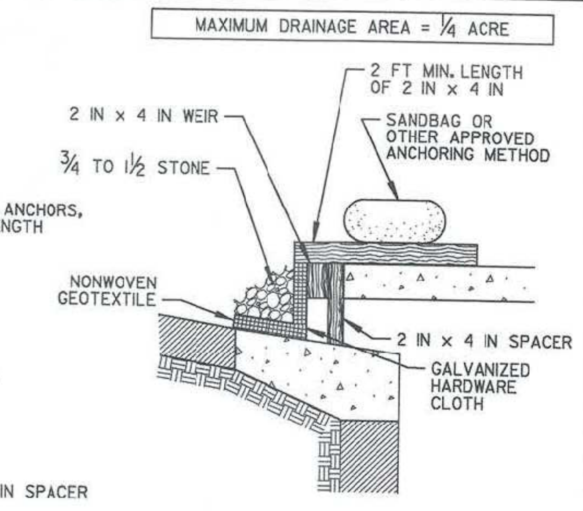
DETAIL E-9-3 CURB INLET PROTECTION

STANDARD SYMBOL
CIP

MAXIMUM DRAINAGE AREA = $\frac{1}{4}$ ACRE



ISOMETRIC



SECTION A-A

CONSTRUCTION SPECIFICATIONS

1. USE NOMINAL 2 INCH x 4 INCH LUMBER
2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
3. NAIL THE 2x4 WEIR TO 9 INCH LONG VERTICAL SPACERS (MAXIMUM 6 FEET APART).
4. ATTACH A CONTINUOUS PIECE OF $\frac{1}{4}$ INCH GALVANIZED HARDWARE CLOTH, WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2x4 WEIR, EXTENDING IT 2 FEET BEYOND THROAT ON EACH SIDE.
5. PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH TO THE 2x4 WEIR.
6. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO 2x4 ANCHORS (MINIMUM 2 FEET LENGTH). EXTEND THE ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR OTHER APPROVED ANCHORING METHOD.
7. INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND THE ENDS OF THE THROAT OPENING.
8. FORM THE HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF CURB TO SPAN THE INLET OPENING. COVER THE HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN $\frac{3}{4}$ TO $1\frac{1}{2}$ INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
9. AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.
10. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

REVISIONS | DATE

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
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240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

GPI
www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE: FINAL GRADING, EROSION AND SEDIMENT CONTROL SOC, NOTES AND DETAILS

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

SEAL:

5/4/2022

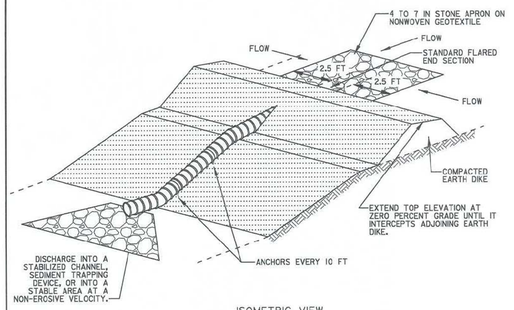
DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: AS SHOWN
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
FSC-07	39 OF 47

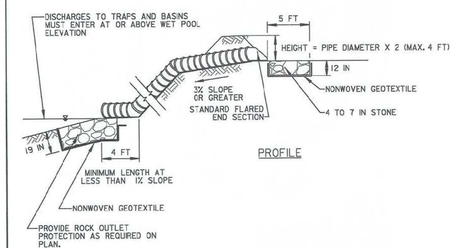
PLOTTED: Wednesday, May 04, 2022 AT 11:10 AM
FILE: \\md1fs4\Projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\pES-N002_Edmonston.dgn

DETAIL D-1 PIPE SLOPE DRAIN

STANDARD SYMBOL
PSD - 12
DESIGNATION PSD-12 REFERS TO 12 IN PIPE SLOPE DRAIN.



ISOMETRIC VIEW



PROFILE

1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL D-1 PIPE SLOPE DRAIN

STANDARD SYMBOL
PSD - 12
DESIGNATION PSD-12 REFERS TO 12 IN PIPE SLOPE DRAIN.

CONSTRUCTION SPECIFICATIONS

1. THE HEIGHT OF THE EARTH DIKE MUST BE AT LEAST 2 TIMES THE PIPE DIAMETER MEASURED FROM THE INVERT OF THE PIPE. EXTEND THE TOP ELEVATION OF DIKE AT ZERO PERCENT GRADE UNTIL IT INTERCEPTS THE TOP OF THE ADJOINING EARTH DIKE.
2. FLEXIBLE PIPE IS PREFERRED. HOWEVER, CORRUGATED METAL PIPE OR EQUIVALENT PVC PIPE CAN BE USED. ALL CONNECTIONS MUST BE WATERTIGHT.
3. ATTACH A FLARED END SECTION TO THE INLET END OF PIPE WITH A WATERTIGHT CONNECTION. AT THE INLET OF THE PIPE SLOPE DRAIN, INSTALL 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE PLACED 12 INCHES IN DEPTH ON NONWOVEN GEOTEXTILE AND EXTEND OUT 5 FEET FROM THE INLET IN ALL DIRECTIONS.
4. PROVIDE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND ALONG SIDES OF ALL RIPRAP.
5. SECURELY ANCHOR THE PIPE SLOPE DRAIN (PSD) TO THE SLOPE. SPACE THE ANCHORS EVERY 10 FEET.
6. HAND TAMP THE SOIL AROUND AND UNDER THE PIPE AND END SECTION IN 4 INCH LIFTS TO THE TOP OF THE EARTH DIKE.
7. UPON COMPLETING INSTALLATION OF THE PSD, STABILIZE ASSOCIATED DISTURBANCES WITH SEED, MULCH, AND TACK.
8. INSTALL OUTLET PROTECTION AS SPECIFIED ON APPROVED PLAN.
9. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION. MAINTAIN WATER TIGHT CONNECTIONS AND POSITIVE DRAINAGE. REMOVE ACCUMULATED SEDIMENT AND DEBRIS.

2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

PRINCE GEORGES SOIL CONSERVATION DISTRICT
MARYLAND
1941

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

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Tel: 410.880.3055

DRAWING TITLE
FINAL GRADING, EROSION AND SEDIMENT CONTROL SOC, NOTES AND DETAILS

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FAIR
NO. 20762
REGISTERED
PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW	CHECKED: GWF
PLOT DATE: APRIL, 2022	
SCALE: AS SHOWN	
PROJECT NUMBER: 2019063.07	

DRAWING	SHEET
FSC-08	40 OF 47

PLOTTED: Wednesday, May 04, 2022, AT 11:10 AM
FILE: \\cnd8a4\Projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\GRDG\psd-1409b_Edmonston.dgn

B-4-2 STANDARDS AND SPECIFICATIONS

FOR

SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

Definition

The process of preparing the soils to sustain adequate vegetative stabilization.

Purpose

To provide a suitable soil medium for vegetative growth.

Conditions Where Practice Applies

Where vegetative stabilization is to be established.

Criteria

A. Soil Preparation

1. Temporary Stabilization
   a. Seedbed preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment, such as disc harrows or chisel plows or rippers mounted on construction equipment. After the soil is loosened, it must not be rolled or dragged smooth but left in the roughened condition. Slopes 3:1 or flatter are to be tracked with ridges running parallel to the contour of the slope.
   b. Apply fertilizer and lime as prescribed on the plans.
   c. Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable means.
2. Permanent Stabilization
   a. A soil test is required for any earth disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are:
      i. Soil pH between 6.0 and 7.0.
      ii. Soluble salts less than 500 parts per million (ppm).
      iii. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception: if lovegrass will be planted, then a sandy soil (less than 30 percent silt plus clay) would be acceptable.
      iv. Soil contains 1.5 percent minimum organic matter by weight.
      v. Soil contains sufficient pore space to permit adequate root penetration.
   b. Application of amendments or topsoil is required if on-site soils do not meet the above conditions.
   c. Graded areas must be maintained in a true and even grade as specified on the approved plan, then scarified or otherwise loosened to a depth of 3 to 5 inches.
   d. Apply soil amendments as specified on the approved plan or as indicated by the results of a soil test.
   e. Mix soil amendments into the top 3 to 5 inches of soil by disking or other suitable means. Rake lawn areas to smooth the surface, remove large objects like stones and branches, and ready the area for seed application. Loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface where site conditions will not permit normal seedbed preparation. Track slopes 3:1 or flatter with tracked equipment leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. Leave the top 1 to 3 inches of soil loose and friable. Seedbed loosening may be unnecessary on newly disturbed areas.

B. Topsoiling

1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose is to provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.
2. Topsoil salvaged from an existing site may be used provided it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-NRCS.
3. Topsoiling is limited to areas having 2:1 or flatter slopes where:
   a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
   b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
   c. The original soil to be vegetated contains material toxic to plant growth.
   d. The soil is so acidic that treatment with limestone is not feasible.
4. Areas having slopes steeper than 2:1 require special consideration and design.
5. Topsoil Specifications: Soil to be used as topsoil must meet the following criteria:
   a. Topsoil must be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Topsoil must not be a mixture of contrasting textured subsoils and must contain less than 5 percent by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1½ inches in diameter.
   b. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nut sedge, poison ivy, thistle, or others as specified.
   c. Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.
6. Topsoil Application
   a. Erosion and sediment control practices must be maintained when applying topsoil.
   b. Uniformly distribute topsoil in a 5 to 8 inch layer and lightly compact to a minimum thickness of 4 inches. Spreading is to be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations must be corrected in order to prevent the formation of depressions or water pockets.
   c. Topsoil must not be placed if the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

C. Soil Amendments (Fertilizer and Lime Specifications)

1. Soil tests must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.
2. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers must all be delivered to the site fully labeled according to the applicable laws and must bear the name, trade name or trademark and warranty of the producer.
3. Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when hydroseeding) which contains at least 50 percent total oxides (calcium oxide plus magnesium oxide). Limestone must be ground to such fineness that at least 50 percent will pass through a #100 mesh sieve and 98 to 100 percent will pass through a #20 mesh sieve.
4. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by disking or other suitable means.
5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

B-4-3 STANDARDS AND SPECIFICATIONS

FOR

SEEDING AND MULCHING

Definition

The application of seed and mulch to establish vegetative cover.

Purpose

To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies

To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

Criteria

A. Seeding

1. Specifications
   a. All seed must meet the requirements of the Maryland State Seed Law. All seed must be subject to re-testing by a recognized seed laboratory. All seed used must have been tested within the 6 months immediately preceding the date of sowing such material on any project. Refer to Table B.4 regarding the quality of seed. Seed tags must be available upon request to the inspector to verify type of seed and seeding rate.
   b. Mulch alone may be applied between the fall and spring seeding dates only if the ground is frozen. The appropriate seeding mixture must be applied when the ground thaws.
   c. Inoculants: The inoculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria prepared specifically for the species. Inoculants must not be used later than the date indicated on the container. Add fresh inoculants as directed on the package. Use four times the recommended rate when hydroseeding. Note: It is very important to keep inoculant as cool as possible until used. Temperatures above 75 to 80 degrees Fahrenheit can weaken bacteria and make the inoculant less effective.
   d. Sod or seed must not be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials.
2. Application
   a. Dry Seeding: This includes use of conventional drop or broadcast spreaders.
      i. Incorporate seed into the subsoil at the rates prescribed on Temporary Seeding Table B.1, Permanent Seeding Table B.3, or site-specific seeding summaries.
      ii. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction. Roll the seeded area with a weighted roller to provide good seed to soil contact.
   b. Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil.
      i. Cultipacking seeders are required to bury the seed in such a fashion as to provide at least 1/4 inch of soil covering. Seedbed must be firm after planting.
      ii. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction.
   c. Hydroseeding: Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer).
      i. If fertilizer is being applied at the time of seeding, the application rates should not exceed the following: nitrogen, 100 pounds per acre total of soluble nitrogen; P_2O_5 (phosphorous), 200 pounds per acre; K_2O (potassium), 200 pounds per acre.
      ii. Lime: Use only ground agricultural limestone (up to 3 tons per acre may be applied by hydroseeding). Normally, not more than 2 tons are applied by hydroseeding at any one time. Do not use burnt or hydrated lime when hydroseeding.
      iii. Mix seed and fertilizer on site and seed immediately and without interruption.
      iv. When hydroseeding do not incorporate seed into the soil.

B. Mulching

1. Mulch Materials (in order of preference)
   a. Straw consisting of thoroughly threshed wheat, rye, oat, or barley and reasonably bright in color. Straw is to be free of noxious weed seeds as specified in the Maryland Seed Law and not musty, moldy, caked, decayed, or excessively dusty. **Note: Use only sterile straw mulch in areas where one species of grass is desired.**
   b. Wood Cellulose Fiber Mulch (WCFM) consisting of specially prepared wood cellulose processed into a uniform fibrous physical state.
      i. WCFM is to be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate visual inspection of the uniformly spread slurry.
      ii. WCFM, including dye, must contain no germination or growth inhibiting factors.
      iii. WCFM materials are to be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension in water under agitation and will blend with seed, fertilizer and other additives to form a homogeneous slurry. The mulch material must form a blotter-like ground cover, on application, having moisture absorption and percolation properties and must cover and hold grass seed in contact with the soil without inhibiting the growth of the grass seedlings.
      iv. WCFM material must not contain elements or compounds at concentration levels that will be phyto-toxic.
      v. WCFM must conform to the following physical requirements: fiber length of approximately 10 millimeters, diameter approximately 1 millimeter, pH range of 4.0 to 8.5, ash content of 1.6 percent maximum and water holding capacity of 90 percent minimum.
2. Application
   a. Apply mulch to all seeded areas immediately after seeding.
   b. When straw mulch is used, spread it over all seeded areas at the rate of 2 tons per acre to a uniform loose depth of 1 to 2 inches. Apply mulch to achieve a uniform distribution and depth so that the soil surface is not exposed. When using a mulch anchoring tool, increase the application rate to 2.5 tons per acre.
   c. Wood cellulose fiber used as mulch must be applied at a net dry weight of 1500 pounds per acre. Mix the wood cellulose fiber with water to attain a mixture with a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water.
3. Anchoring
   a. Perform mulch anchoring immediately following application of mulch to minimize loss by wind or water. This may be done by one of the following methods (listed by preference), depending upon the size of the area and erosion hazard:
      i. A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch into the soil surface a minimum of 2 inches. This practice is most effective on large areas, but is limited to flatter slopes where equipment can operate safely. If used on sloping land, this practice should follow the contour.
      ii. Wood cellulose fiber may be used for anchoring straw. Apply the fiber binder at a net dry weight of 750 pounds per acre. Mix the wood cellulose fiber with water at a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water.
      iii. Synthetic binders such as Acrylic DLR (Agro-Tack), DCA-70, Petroset, Terra Tax II, Terra Tack AR or other approved equal may be used. Follow application rates as specified by the manufacturer. Application of liquid binders needs to be heavier at the edges where wind catches mulch, such as in valleys and on crests of banks. **Use of asphalt binders is strictly prohibited.**
      iv. Lightweight plastic netting may be stapled over the mulch according to manufacturer recommendations. Netting is usually available in rolls 4 to 15 feet wide and 300 to 3,000 feet long.

B-4-4 STANDARDS AND SPECIFICATIONS

FOR

TEMPORARY STABILIZATION

Definition

To stabilize disturbed soils with vegetation for up to 6 months.

Purpose

To use fast growing vegetation that provides cover on disturbed soils.

Conditions Where Practice Applies

Exposed soils where ground cover is needed for a period of 6 months or less. For longer duration of time, permanent stabilization practices are required.

Criteria

1. Select one or more of the species or seed mixtures listed in Table B.1 for the appropriate Plant Hardiness Zone (from Figure B.3), and enter them in the Temporary Seeding Summary below along with application rates, seeding dates and seeding depths. If this Summary is not put on the plan and completed, then Table B.1 plus fertilizer and lime rates must be put on the plan.
2. For sites having soil tests performed, use and show the recommended rates by the testing agency. Soil tests are not required for Temporary Seeding.
3. When stabilization is required outside of a seeding season, apply seed and mulch or straw mulch alone as prescribed in Section B-4-3.A.1.b and maintain until the next seeding season.

TEMPORARY SEEDING SUMMARY

Hardiness Zone (from Figure B.3): 6b Seed Mixture (from Table B.1):					Fertilizer Rate (10–20–20)	Lime Rate
No.	Species	Application Rate (lb/ac) (1)	Seeding Dates	Seeding Depths (2)		
	Annual Ryegrass	40	3/1 to 5/15 8/1 to 10/15	0.5"	436 lb/ac (10 lb/1000 sf)	2 Tons/ac (90 lb/1000 sf)
	Barley	96	3/1 to 5/15 8/1 to 10/15	1.0"		
	Foxtail Millet	30	5/16 to 7/31	0.5"		
	Pearl Millet	20	5/16 to 7/31	0.5"		

NOTES:

(1) Seeding rates for the warm–season grasses are in pounds of Pure Live Seed (PLS). Actual planting rates shall be adjusted to reflect percent seed germination and purity, as tested. Adjustments are usually not needed for the cool–season grasses.

Seeding rates listed above are for temporary seedings, when planted alone. When planted as a nurse crop with permanent seed mixes, use 1/3 of the seeding rate listed above for barley, oats, and wheat. For small–seeded grasses (annual ryegrass, pearl millet, foxtail millet), do not exceed more than 5% (by weight) of the overall permanent seeding mix. Cereal rye generally should not be used as a nurse crop, unless planting will occur in very late fall beyond seeding dates for the temporary seedings. Cereal rye has allelopathic properties that inhibit the germination and growth of other plans. If it must be used as a nurse crop, seed at 1/3 of the rate listed above.

Oats are the recommended nurse crop for warm–season grasses.

(2) For sandy soils, plant seeds at twice the depth listed above.

SEDIMENT CONTROL GENERAL NOTES

1. THE OWNER/DEVELOPER OR REPRESENTATIVE SHALL REQUEST THAT THE INSPECTION AUTHORITY APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE GRADING PERMIT AND SHALL OBTAIN WRITTEN INSPECTION APPROVALS BY THE INSPECTOR AT THE FOLLOWING STAGES IN THE DEVELOPMENT OF THE SITE.
   (A) PRIOR TO THE START OF EARTH DISTURBANCE;
   (B) UPON COMPLETION OF INSTALLATION OF TREE PROTECTION DEVICES, FOLLOWED BY THE INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL INITIAL APPROVAL BY THE INSPECTOR IS MADE;
   (C) UPON COMPLETION OF STRIPPING, THE STOCKPILING OF TOPSOIL, THE CONSTRUCTION OF TEMPORARY SEDIMENT AND EROSION CONTROL FACILITIES, DISPOSAL OF ALL WASTE MATERIAL AND PREPARATION OF THE GROUND;
   (D) UPON COMPLETION OF ROUGH GRADING, BUT PRIOR TO PLACING TOPSOIL, PERMANENT DRAINAGE OR OTHER SITE DEVELOPMENT IMPROVEMENTS AND GROUND COVERS;
   (E) PRIOR TO THE START OF ANOTHER PHASE OF CONSTRUCTION.
   (F) PRIOR TO THE REMOVAL OF SEDIMENT CONTROL PRACTICES; AND
   (G) UPON COMPLETION OF FINAL GRADING, REFORESTING, PERMANENT DRAINAGE AND EROSION CONTROL FACILITIES INCLUDING ESTABLISHED GROUND COVERS AND PLANTING, AND ALL OTHER WORK OF THE PERMITS.
2. APPROVAL SHALL BE REQUESTED UPON FINAL STABILIZATION OF ALL SITES WITH DISTURBED AREAS IN EXCESS OF TWO ACRES BEFORE REMOVAL OF CONTROLS.
3. ALL PERMITS UNDER AN EROSION AND SEDIMENT CONTROL PLAN MUST AND CAN ONLY BE ISSUED TO THE OWNER /DEVELOPER THAT SIGNS THE CERTIFICATION ON THE PLAN.
4. PGSCD APPROVAL OF A EROSION AND SEDIMENT CONTROL PLAN, PURSUANT TO MEETING LOCAL PERMIT REQUIREMENTS FOR GRADING, BUILDING OR STREET PERMITS, ETC., IS VALID ONLY WHEN THE WORK TO BE PERFORMED UNDER THE PERMIT IS THE SAME AS (NO MORE/NO LESS THAN) THAT CONTAINED IN THE PLAN AS APPROVED BY THE PGSCD.
5. ANY CHANGES OR MODIFICATIONS TO AN APPROVED EROSION AND SEDIMENT CONTROL PLAN, NOT APPROVED BY THE PGSCD, SHALL INVALIDATE THE PLAN APPROVAL.
6. OFFSITE BORROW OR SPOIL AREAS MUST HAVE AN APPROVED AND ACTIVE EROSION AND SEDIMENT CONTROL PLAN.
7. LIST PREDOMINANT SOIL TYPES AND GENERAL DESCRIPTION PER PGSCD SOIL SURVEY:
   CcF, CHRISTINA–DOWNER; UdaF, UDORTHENTS; CcC, CHRISTINA–DOWNER;
   CdD, CHRISTINA–DOWNER; RuB, RUSSETT–CHRISTINA.
8. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL REQUIRED EASEMENT, RIGHT AND/OR RIGHTS OF WAY PURSUANT TO THE DISCHARGE FROM THE EROSION AND SEDIMENT CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS THE GRADING OR OTHER WORK TO BE PERFORMED ON ADJACENT OR DOWNSTREAM PROPERTIES AFFECTED BY THIS PLAN.
9. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
   A) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) AND
   B) SEVEN (7) CALENDAR DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THE IN-PLACE SEDIMENT CONTROL MEASURES WILL BE MAINTAINED ON A CONTINUING BASIS UNTIL THE SITE IS PERMANENTLY STABILIZED AND ALL PERMIT REQUIREMENTS ARE MET.
10. NO STAGING AREA OR STOCKPILING OF MATERIALS ONSITE IS PERMITTED, CONTRACTOR SHALL OBTAIN OFFSITE AREA AND MEET WITH APPROVAL OF THE ENGINEER/SEDIMENT CONTROL INSPECTOR.

HYDROLOGIC SOIL GROUP		
SYMBOL	SOIL NAME	HSG
CcF	CHRISTINA–DOWNER	D
UdaF	UDORTHENTS	D
CcC	CHRISTINA–DOWNER	D
CdD	CHRISTINA–DOWNER	D
RuB	RUSSETT–CHRISTINA	D

PRINCE GEORGE'S SOIL CONSERVATION DISTRICT MARYLAND 1941

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

SEAL: STATE OF MARYLAND GREGORY WAYNE FILAR NO. 20762 REGISTERED PROFESSIONAL ENGINEER 5/4/2022

REVISIONS | DATE

OWNER / DEVELOPER:
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DRAWING TITLE: FINAL GRADING, EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: AS SHOWN
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
FSC-09	41 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:10 AM
FILE: \\mdtfs4v\Projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\pES-N004_Edmonston.dgn

B-4-5 STANDARDS AND SPECIFICATIONS

FOR

PERMANENT STABILIZATION

Definition

To stabilize disturbed soils with permanent vegetation.

Purpose

To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

Conditions Where Practice Applies

Exposed soils where ground cover is needed for 6 months or more.

Criteria

A. Seed Mixtures

1. General Use
   a. Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardiness Zone (from Figure B.3) and based on the site condition or purpose found on Table B.2. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be placed on the plan.
   b. Additional planting specifications for exceptional sites such as shorelines, stream banks, or dunes or for special purposes such as wildlife or aesthetic treatment may be found in USDA-NRCS Technical Field Office Guide, Section 342 - Critical Area Planting.
   c. For sites having disturbed area over 5 acres, use and show the rates recommended by the soil testing agency.
   d. For areas receiving low maintenance, apply urea form fertilizer (46-0-0) at 3 ½ pounds per 1000 square feet (150 pounds per acre) at the time of seeding in addition to the soil amendments shown in the Permanent Seeding Summary.
2. Turfgrass Mixtures
   a. Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.
   b. Select one or more of the species or mixtures listed below based on the site conditions or purpose. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The summary is to be placed on the plan.
      i. Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive management. Irrigation required in the areas of central Maryland and Eastern Shore. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.
      ii. Kentucky Bluegrass/Perennial Rye: Full Sun Mixture: For use in full sun areas where rapid establishment is necessary and when turf will receive medium to intensive management. Certified Perennial Ryegrass Cultivars/Certified Kentucky Bluegrass Seeding Rate: 2 pounds mixture per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.
      iii. Tall Fescue/Kentucky Bluegrass: Full Sun Mixture: For use in drought prone areas and/or for areas receiving low to medium management in full sun to medium shade. Recommended mixture includes; Certified Tall Fescue Cultivars 95 to 100 percent, Certified Kentucky Bluegrass Cultivars 0 to 5 percent. Seeding Rate: 5 to 8 pounds per 1000 square feet. One or more cultivars may be blended.
      iv. Kentucky Bluegrass/Fine Fescue: Shade Mixture: For use in areas with shade in Bluegrass lawns. For establishment in high quality, intensively managed turf area. Mixture includes; Certified Kentucky Bluegrass Cultivars 30 to 40 percent and Certified Fine Fescue and 60 to 70 percent. Seeding Rate: 1½ to 3 pounds per 1000 square feet.

      Notes:
      Select turfgrass varieties from those listed in the most current University of Maryl: Publication, Agronomy Memo #77, "Turfgrass Cultivar Recommendations for Marylan

      Choose certified material. Certified material is the best guarantee of cultivar purity. ' certification program of the Maryland Department of Agriculture, Turf and Seed Secti provides a reliable means of consumer protection and assures a pure genetic line
   c. Ideal Times of Seeding for Turf Grass Mixtures

      Western MD: March 15 to June 1, August 1 to October 1 (Hardiness Zones: 5b, 6a)

      Central MD: March 1 to May 15, August 15 to October 15 (Hardiness Zone: 6b)

      Southern MD, Eastern Shore: March 1 to May 15, August 15 to October 15 (Hardiness Zones: 7a, 7b)
   d. Till areas to receive seed by disking or other approved methods to a depth of 2 to 4 inches, level and rake the areas to prepare a proper seedbed. Remove stones and debris over 1½ inches in diameter. The resulting seedbed must be in such condition that future mowing of grasses will pose no difficulty.
   e. If soil moisture is deficient, supply new seedings with adequate water for plant growth (½ to 1 inch every 3 to 4 days depending on soil texture) until they are firmly established. This is especially true when seedings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites.

PERMANENT SEEDING SUMMARY

Hardiness Zone (from Figure B.3): 6b
Seed Mixture (from Table B.1):

No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths	Fertilizer (10-20-20) N	P_2O_5	K_2O	Lime Rate
9	SELECT ONE SPECIES OF FESCUE:							
	Tall Fescue (Lolium arundinaceum) (formerly Festuca arundianceum)	60						
	OR Hard Fescue (Festuca trachyphylla)	40	3/1 to 5/15 8/1 to 10/15	0.25" –0.5"				
	AND ADD: Kentucky Bluegrass (Poa pratensis)	40						
	Perennial Ryegrass (Lolium perenne)	20						
5	SELECT TWO GRASSES:							
	Creeping Red Fescue (Festuca rubra var. rubra)	20						
	OR Hard Fescue (Festuca trachyphylla)	20						
	Perennial Ryegrass (Lolium perenne)	10	3/1 to 5/15 8/1 to 10/15	0.25" –0.5"				
	OR Redtop (Agrostis gigantean)	1						
	AND ADD THE FOLLOWING LEGUME: Flatpea (Lathyrus sylvestris)	15			45 lb/ac (1.0 lb/ 1000 sf	90 lb/ac (2.0 lb/ 1000 sf	90 lb/ac (2.0 lb/ 1000 sf	2 Tons/ac (90 lb/1000 sf)
1	SELECT ONE WARM-SEASON GRASS:							
	Switch Grass (Panicum virgatum)	10						
	OR Costal Panic Grass (Panicum amarum var. amarulum)	10						
	AND ADD: Creeping Red Fescue (Festuca rubra var. rubra)	15	3/1 to 5/16 5/16 to 6/15	0.25" –0.5"				
	PLUS ONE OF THE FOLLOWING LUGUMES: Partiridge Pea (Chamaecrista fasciculate)	4						
	Bush Clover (Lespedeza capitata)	2						
	Wild Indigo (Baptisia tinctoria)	2						
10	Orchardgrass (Dactylis glomerata)	25						
	Creeping Red Fescue (Festuca rubra var. rubra)	10						
	Redtop (Agrostis gigantean)	1	3/1 to 5/15 8/1 to 10/15	0.25" –0.5"				
	Alsike Clover (Trifolium hybridum)	3						
	White Clover (Trifolium repens)	3						

NOTE: FOR THE PERIOD BETWEEN 6/1 TO 8/14 PROVIDE NURSE CROPS IN ACCORDANCE WITH NOTE (1) LOCATED BELOW TEMPORARY SEEDING SUMMARY TABLE.

B. Sod: To provide quick cover on disturbed areas (2:1 grade or flatter).

1. General Specifications
   a. Class of turfgrass sod must be Maryland State Certified. Sod labels must be made available to the job foreman and inspector.
   b. Sod must be machine cut at a uniform soil thickness of ¾ inch, plus or minus ¼ inch, at the time of cutting. Measurement for thickness must exclude top growth and thatch. Broken pads and torn or uneven ends will not be acceptable.
   c. Standard size sections of sod must be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
   d. Sod must not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.
   e. Sod must be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period must be approved by an agronomist or soil scientist prior to its installation.
2. Sod Installation
   a. During periods of excessively high temperature or in areas having dry subsoil, lightly irrigate the subsoil immediately prior to laying the sod.
   b. Lay the first row of sod in a straight line with subsequent rows placed parallel to it and tightly wedged against each other. Stagger lateral joints to promote more uniform growth and strength. Ensure that sod is not stretched or overlapped and that all joints are butted tight in order to prevent voids which would cause air drying of the roots.
   c. Wherever possible, lay sod with the long edges parallel to the contour and with staggering joints. Roll and tamp, peg or otherwise secure the sod to prevent slippage on slopes. Ensure solid contact exists between sod roots and the underlying soil surface.
   d. Water the sod immediately following rolling and tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. Complete the operations of laying, tamping and irrigating for any piece of sod within eight hours.
3. Sod Maintenance
   a. In the absence of adequate rainfall, water daily during the first week or as often and sufficiently as necessary to maintain moist soil to a depth of 4 inches. Water sod during the heat of the day to prevent wilting.
   b. After the first week, sod watering is required as necessary to maintain adequate moisture content.
   c. Do not mow until the sod is firmly rooted. No more than ⅓ of the grass leaf must be removed by the initial cutting or subsequent cuttings. Maintain a grass height of at least 3 inches unless otherwise specified.

B-4 STANDARDS AND SPECIFICATIONS

FOR

VEGETATIVE STABILIZATION

Definition

Using vegetation as cover to protect exposed soil from erosion.

Purpose

To promote the establishment of vegetation on exposed soil.

Conditions Where Practice Applies

On all disturbed areas not stabilized by other methods. This specification is divided into sections on incremental stabilization; soil preparation, soil amendments and topsoiling; seeding and mulching; temporary stabilization; and permanent stabilization.

Effects on Water Quality and Quantity

Stabilization practices are used to promote the establishment of vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to allow infiltration of rainfall, thereby reducing sediment loads and runoff to downstream areas.

Planting vegetation in disturbed areas will have an effect on the water budget, especially on volumes and rates of runoff, infiltration, evaporation, transpiration, percolation, and groundwater recharge. Over time, vegetation will increase organic matter content and improve the water holding capacity of the soil and subsequent plant growth.

Vegetation will help reduce the movement of sediment, nutrients, and other chemicals carried by runoff to receiving waters. Plants will also help protect groundwater supplies by assimilating those substances present within the root zone.

Sediment control practices must remain in place during grading, seedbed preparation, seeding, mulching, and vegetative establishment.

Adequate Vegetative Establishment

Inspect seeded areas for vegetative establishment and make necessary repairs, replacements, and reseedings within planting season.

1. Adequate vegetative stabilization requires 95 percent groundcover.
2. If an area has less than 40 percent groundcover, restabilize following the original recommendations for lime, fertilizer, seedbed preparation, and seeding.
3. If an area has between 40 and 94 percent groundcover, over-seed and fertilize using half of the rates originally specified.
4. Maintenance fertilizer rates for permanent seeding are shown in Table B.6.

B-4-8 STANDARDS AND SPECIFICATIONS

FOR

STOCKPILE AREA

Definition

A mound or pile of soil protected by appropriately designed erosion and sediment control measures.

Purpose

To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.

Conditions Where Practice Applies

Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

Criteria

1. The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.
2. The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1. Benching must be provided in accordance with Section B-3 Land Grading.
3. Runoff from the stockpile area must drain to a suitable sediment control practice.
4. Access the stockpile area from the upgrade side.
5. Clear water runoff into the stockpile area must be minimized by use of a diversion device such as an earth dike, temporary swale or diversion fence. Provisions must be made for discharging concentrated flow in a non-erosive manner.
6. Where runoff concentrates along the toe of the stockpile fill, an appropriate erosion/sediment control practice must be used to intercept the discharge.
7. Stockpiles must be stabilized in accordance with the 3/7 day stabilization requirement as well as Standard B-4-1 Incremental Stabilization and Standard B-4-4 Temporary Stabilization.
8. If the stockpile is located on an impervious surface, a liner should be provided below the stockpile to facilitate cleanup. Stockpiles containing contaminated material must be covered with impermeable sheeting.

Maintenance

The stockpile area must continuously meet the requirements for Adequate Vegetative Establishment in accordance with Section B-4 Vegetative Stabilization. Side slopes must be maintained at no steeper than a 2:1 ratio. The stockpile area must be kept free of erosion. If the vertical height of a stockpile exceeds 20 feet for 2:1 slopes, 30 feet for 3:1 slopes, or 40 feet for 4:1 slopes, benching must be provided in accordance with Section B-3 Land Grading.

PRINCE GEORGE'S SOIL CONSERVATION DISTRICT
MARYLAND
1941

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

REVISIONS | DATE

OWNER / DEVELOPER:
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GPI www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE: FINAL GRADING, EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

PROJECT: EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL: STATE OF MARYLAND GREGORY WAYNE FILAR NO. 20762 REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: AS SHOWN
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
FSC-10	42 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:10 AM
FILE: \\mdfls4v\Projects\2019\2019063.00 2019 City of College Park On-Call\Task 7 – Edmonston Road Sidewalk Project\CADD\pES-N005_Edmonston.dgn

BORING NUMBER SWM-1

PAGE 1 OF 1

KIM ENGINEERING, INC.
Consulting Geotechinical Engineers
Beltsville, Maryland

CLIENT GPI
PROJECT NAME Edmonston Road Sidewalk Improvement
PROJECT NUMBER G21038
PROJECT LOCATION College Park, MD
DATE STARTED 6/1/21 **COMPLETED** 6/1/21
GROUND ELEVATION ____ **HOLE SIZE** 6
DRILLING CONTRACTOR Kim Engineering Inc.
GROUND WATER LEVELS:
DRILLING METHOD H.S.A
AT TIME OF DRILLING 11.5 ft
LOGGED BY D.G.S **CHECKED BY** D.G.S
AT END OF DRILLING ---
NOTES
24hrs AFTER DRILLING 11.3 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE (PL MC LL) / FINES CONTENT (%) 20 40 60 80
		7" Topsoil						
		Brown, reddish brown, moist, very loose to loose, silty SAND (SM) with clay.	SS 1	67	1-1-2 (3)			
			SS 2	100	3-2-2 (4)			
5			SS 3	78	3-3-3 (6)			
			SS 4	100	2-3-4 (7)			
10		Brown, reddish brown, moist, medium stiff, sandy Lean CLAY (CL).	SS 5	89	3-4-3 (7)			
15		Brown, reddish brown, wet, loose, silty SAND (SM) with clay.	SS 6	100	5-5-5 (10)			

Bottom of hole at 15.0 feet.

BORING NUMBER SWM-2

PAGE 1 OF 1

KIM ENGINEERING, INC.
Consulting Geotechinical Engineers
Beltsville, Maryland

CLIENT GPI
PROJECT NAME Edmonston Road Sidewalk Improvement
PROJECT NUMBER G21038
PROJECT LOCATION College Park, MD
DATE STARTED 6/1/21 **COMPLETED** 6/1/21
GROUND ELEVATION ____ **HOLE SIZE** 6
DRILLING CONTRACTOR Kim Engineering Inc.
GROUND WATER LEVELS:
DRILLING METHOD H.S.A
AT TIME OF DRILLING ---
LOGGED BY SE **CHECKED BY** D.G.S
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE (PL MC LL) / FINES CONTENT (%) 20 40 60 80
		6" Topsoil						
		Orangish brown, brown, moist, very soft, lean SILT (ML) with mica	SS 1	72	0-0-1 (1)			
		Varying shades of brown, gray, reddish brown, moist, loose to medium dense, silty SAND (SM) with clay and gravel.	SS 2	100	3-5-7 (12)			
5			SS 3	100	5-4-5 (9)			
		Reddish brown, gray, moist, medium stiff sandy lean CLAY (CL).	SS 4	89	3-5-5 (10)			
10			SS 5	100	4-4-5 (9)			
15		Light brown, dark brown, reddish brown, moist, medium dense, silty SAND (SM) with gravel.	SS 6	89	5-8-7 (15)			

Bottom of hole at 15.0 feet.

BORING NUMBER SWM-4

PAGE 1 OF 1

KIM ENGINEERING, INC.
Consulting Geotechinical Engineers
Beltsville, Maryland

CLIENT GPI
PROJECT NAME Edmonston Road Sidewalk Improvement
PROJECT NUMBER G21038
PROJECT LOCATION College Park, MD
DATE STARTED 6/3/21 **COMPLETED** 6/3/21
GROUND ELEVATION ____ **HOLE SIZE** 6
DRILLING CONTRACTOR Kim Engineering Inc.
GROUND WATER LEVELS:
DRILLING METHOD H.S.A
AT TIME OF DRILLING 5.0 ft
LOGGED BY W.S. **CHECKED BY** D.G.S
AT END OF DRILLING ---
NOTES
24hrs AFTER DRILLING 4.2 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE (PL MC LL) / FINES CONTENT (%) 20 40 60 80
		8" Topsoil						
		Grayish brown, reddish brown, brown, moist to wet, very loose to loose, silty SAND (SM) with mica.	SS 1	56	0-1-2 (3)			
			SS 2	100	5-4-3 (7)			
5			SS 3	78	4-4-2 (6)			
		Brown, light brown, wet, very loose, poorly graded silty SAND (SP-SM).	SS 4	100	1-1-1 (2)			
10			SS 5	100	0-0-1 (1)			
15		Brown, grayish brown, wet, very loose, silty SAND (SM) with clay.	SS 6	100	1-1-1 (2)			

Bottom of hole at 15.0 feet.

BORING NUMBER SWM-5

PAGE 1 OF 1

KIM ENGINEERING, INC.
Consulting Geotechinical Engineers
Beltsville, Maryland

CLIENT GPI
PROJECT NAME Edmonston Road Sidewalk Improvement
PROJECT NUMBER G21038
PROJECT LOCATION College Park, MD
DATE STARTED 6/3/21 **COMPLETED** 6/3/21
GROUND ELEVATION ____ **HOLE SIZE** 6
DRILLING CONTRACTOR Kim Engineering Inc.
GROUND WATER LEVELS:
DRILLING METHOD H.S.A
AT TIME OF DRILLING 4.0 ft
LOGGED BY W.S **CHECKED BY** D.G.S
AT END OF DRILLING 4.9 ft
NOTES
24hrs AFTER DRILLING 4.1 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE (PL MC LL) / FINES CONTENT (%) 20 40 60 80
		10" Topsoil						
		FILL Brown, dark gray, black, moist to wet, very loose, silty Sand with plastic fragments and organics.	SS 1	78	0-0-1 (1)			
			SS 2	22	0-1-1 (2)			
5			SS 3	100	1-0-0 (0)			
		Dark gray, brown, wet, very loose silty SAND (SM) with mica and organics.	SS 4		1-1-1 (2)			
10		Reddish brown, gray, moist to wet, very soft, fat CLAY (CH).	SS 5	56	1-1-1 (2)			
15			SS 6	78	1-1-1 (2)			

Bottom of hole at 15.0 feet.

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

The above approval is conditioned upon the following:

- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.
- Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.
- **This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.**

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 13:22:32 -05'00'

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

GPI
www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
STORMWATER MANAGEMENT SOIL BORING LOGS

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND — GREGORY WAYNE FILAR — No. 20762 — REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: NTS
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SB-01	43 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:10 AM
FILE: \\kimfs-fs1\projects\2019\2019063.07 College Park On-Call\Task 7 - Edmonston Road Sidewalk Project\CADD\SB-01_Edmonston.dgn

BORING NUMBER SWM-3

PAGE 1 OF 1

KIM ENGINEERING, INC.
Consulting Geotechinical Engineers
Beltsville, Maryland

CLIENT GPI
PROJECT NAME Edmonston Road Sidewalk Improvement
PROJECT NUMBER G21038
PROJECT LOCATION College Park, MD
DATE STARTED 6/1/21 **COMPLETED** 6/1/21
GROUND ELEVATION **HOLE SIZE** 6
DRILLING CONTRACTOR Kim Engineering Inc.
GROUND WATER LEVELS:
DRILLING METHOD H.S.A
AT TIME OF DRILLING 13.0 ft
LOGGED BY SE **CHECKED BY** D.G.S
AT END OF DRILLING ---
NOTES
24hrs AFTER DRILLING 10.7 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE (PL MC LL) / FINES CONTENT (%) 20 40 60 80
		8" Topsoil						
		Dark brown, brown, moist, very loose, silty SAND (SM) with gravel and mica.	SS 1	56	1-1-1 (2)			
		Brown, moist, soft, sandy SILT (ML) with mica.	SS 2	89	1-2-3 (5)			
5								
		Brown, dark brown, moist, loose, silty SAND (SM).	SS 3	89	2-4-4 (8)			
		Reddish brown, brown, moist, medium stiff, sandy lean CLAY (CL) with mica.	SS 4	100	3-4-5 (9)			
10								
			SS 5	100	3-5-5 (10)			
		Brown, dark brown, moist to wet, medium dense, silty SAND (SM) with mica.	SS 6	78	12-11-12 (23)			
15		Bottom of hole at 15.0 feet.						

BORING NUMBER SWM-7

PAGE 1 OF 1

KIM ENGINEERING, INC.
Consulting Geotechinical Engineers
Beltsville, Maryland

CLIENT GPI
PROJECT NAME Edmonston Road Sidewalk Improvement
PROJECT NUMBER G21038
PROJECT LOCATION College Park, MD
DATE STARTED 6/3/21 **COMPLETED** 6/3/21
GROUND ELEVATION **HOLE SIZE** 6
DRILLING CONTRACTOR Kim Engineering Inc.
GROUND WATER LEVELS:
DRILLING METHOD H.S.A
AT TIME OF DRILLING 14.0 ft
LOGGED BY W.S **CHECKED BY** D.G.S
AT END OF DRILLING ---
NOTES
24hrs AFTER DRILLING 12.8 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE (PL MC LL) / FINES CONTENT (%) 20 40 60 80
		8" Topsoil						
		Brown, light brown, grayish brown, moist, loose to medium dense, silty SAND (SM) with clay.	SS 1	56	1-3-6 (9)			
			SS 2	89	2-3-4 (7)			
5								
			SS 3	78	5-2-6 (8)			
		Brown, grayish brown, moist, medium stiff, silty CLAY (CL-ML)	SS 4	89	3-3-4 (7)			
10								
		Ligth brown, light gray, moist to wet, medium stiff, sandy lean CLAY (CL).	SS 5	67	5-4-4 (8)			
			SS 6	89	2-3-4 (7)			
15		Bottom of hole at 15.0 feet.						

BORING NUMBER SWM-6

PAGE 1 OF 1

KIM ENGINEERING, INC.
Consulting Geotechinical Engineers
Beltsville, Maryland

CLIENT GPI
PROJECT NAME Edmonston Road Sidewalk Improvement
PROJECT NUMBER G21038
PROJECT LOCATION College Park, MD
DATE STARTED 6/3/21 **COMPLETED** 6/3/21
GROUND ELEVATION **HOLE SIZE** 6
DRILLING CONTRACTOR Kim Engineering Inc.
GROUND WATER LEVELS:
DRILLING METHOD H.S.A
AT TIME OF DRILLING 13.5 ft
LOGGED BY W.S **CHECKED BY** D.G.S
AT END OF DRILLING ---
NOTES
24hrs AFTER DRILLING 10.2 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE (PL MC LL) / FINES CONTENT (%) 20 40 60 80
		10" Topsoil						
		Brown, dark brown, grayish brown, moist, loose to medium dense, silty SAND (SM).	SS 1	22	2-2-3 (5)			
			SS 2	89	6-5-5 (10)			
5								
			SS 3	78	4-5-6 (11)			
			SS 4	100	3-4-4 (8)			
10								
		Light brown, moist, medium stiff, sandy lean CLAY (CL) with mica.	SS 5	89	4-5-4 (9)			
		Reddish brown, brown, wet, very loose, silty SAND (SM) with clay.	SS 6	61	3-2-2 (4)			
15		Bottom of hole at 15.0 feet.						

BORING NUMBER SWM-8

PAGE 1 OF 1

KIM ENGINEERING, INC.
Consulting Geotechinical Engineers
Beltsville, Maryland

CLIENT GPI
PROJECT NAME Edmonston Road Sidewalk Improvement
PROJECT NUMBER G21038
PROJECT LOCATION College Park, MD
DATE STARTED 6/3/21 **COMPLETED** 6/3/21
GROUND ELEVATION **HOLE SIZE** 6
DRILLING CONTRACTOR Kim Engineering Inc.
GROUND WATER LEVELS:
DRILLING METHOD H.S.A
AT TIME OF DRILLING ---
LOGGED BY W.S **CHECKED BY** D.G.S
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE (PL MC LL) / FINES CONTENT (%) 20 40 60 80
		8" Topsoil						
		Brown, reddish brown, moist, soft, sandy lean CLAY (CL).	SS 1	67	0-2-2 (4)			
		Brown, gray, pinkish gray, moist, medium stiff to stiff, fat CLAY (CH).	SS 2	100	2-3-4 (7)			
5								
			SS 3	78	3-5-6 (11)			
			SS 4	100	5-6-8 (14)			
10								
			SS 5	89	4-4-6 (10)			
			SS 6	100	4-6-7 (13)			
15		Bottom of hole at 15.0 feet.						

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

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Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20762 EXPIRATION DATE: 3/8/2023.

Gregory Filar
Digitally signed by Gregory Filar
Date: 2022.11.17 09:45:18 -05'00'

REVISIONS	DATE

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

www.gpinet.com
GPI
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
STORMWATER MANAGEMENT SOIL BORING LOGS

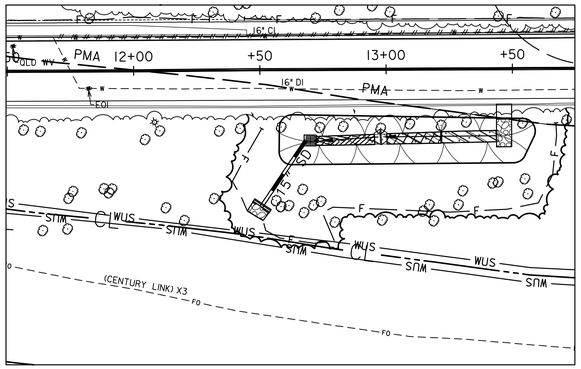
PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND · GREGORY WAYNE FILAR · No. 20762 · REGISTERED PROFESSIONAL ENGINEER
5/4/2022

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: NTS
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
SB-02	44 OF 47

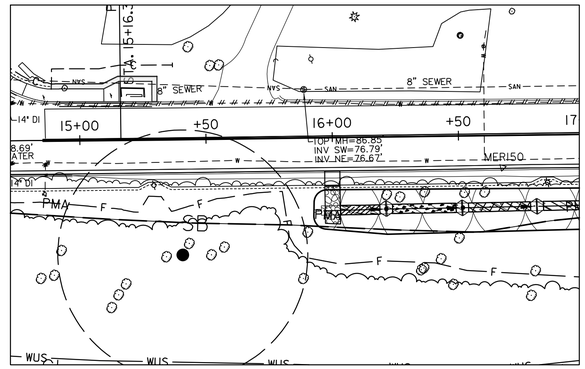
PLOTTED: Wednesday, May 04, 2022 AT 11:10 AM
FILE: \\pwdhfs1\projects\2019063.07 City of College Park CIP\Task 7 - Edmonston Road Sidewalk Project\CADD\SB-02\SB_Edmonston.dgn



M8-6 BIOSWALE FACILTY

SCALE 1" = 30'

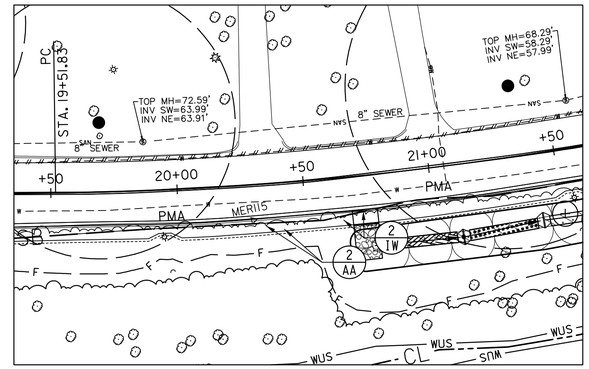
BIOSWALE PLANTING SCHEDULE					
PATTERN	KEY	BOTANICAL NAME /COMMON NAME	SIZE	SPACING	NUMBER
	AC	ASCLEPIAS INCARNATA /SWAMP MILKWEED	1 QT.	8" O.C.	40
	MF	MONARDA FISTULOSA /WILD BERGAMOT	1 QT.	8" O.C.	40
	VV	VERONICASTRUM VIRGINICUM /CULVER'S ROOT	1 QT.	8" O.C.	40



M8-1 BIOSWALE FACILTY

SCALE 1" = 30'

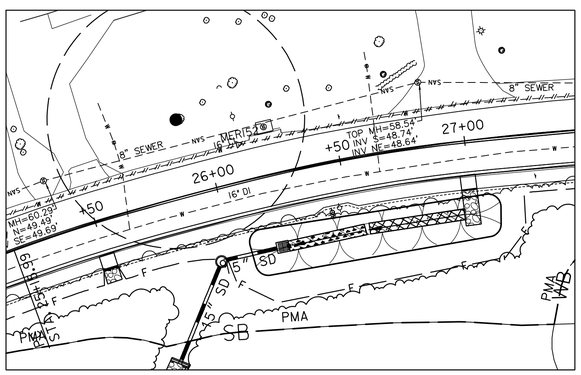
BIOSWALE PLANTING SCHEDULE					
PATTERN	KEY	BOTANICAL NAME /COMMON NAME	SIZE	SPACING	NUMBER
	AC	ASCLEPIAS INCARNATA /SWAMP MILKWEED	1 QT.	8" O.C.	26
	CL	COREOPSIS LANCEOLATA /LANCELEAF TICKSEED	1 QT.	8" O.C.	41
	MF	MONARDA FISTULOSA /WILD BERGAMOT	1 QT.	8" O.C.	38
	VV	VERONICASTRUM VIRGINICUM /CULVER'S ROOT	1 QT.	8" O.C.	39



M8-2 BIOSWALE FACILTY

SCALE 1" = 30'

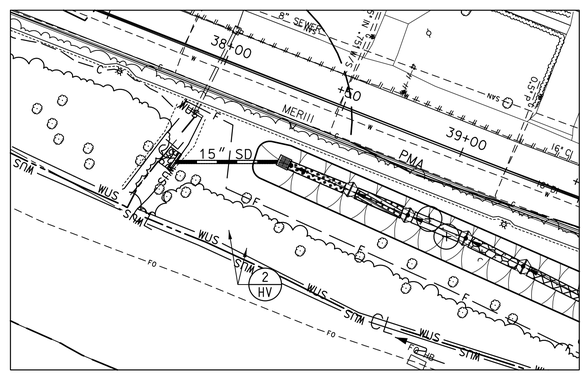
BIOSWALE PLANTING SCHEDULE					
PATTERN	KEY	BOTANICAL NAME /COMMON NAME	SIZE	SPACING	NUMBER
	AC	ASCLEPIAS INCARNATA /SWAMP MILKWEED	1 QT.	8" O.C.	56
	IV	IRIS VERSICOLOR /BLUE FLAG IRIS	1 QT.	8" O.C.	50
+	AA	AMELANCHIER ARBOREA /DOWNY SERVICEBERRY	6–8' HT	8' O.C.	2
+	IW	ILEX VERTICILLATA /WINTERBERY	6–8' HT	8' O.C.	2
	MF	MONARDA FISTULOSA /WILD BERGAMOT	1 QT.	8" O.C.	45
	VV	VERONICASTRUM VIRGINICUM /CULVER'S ROOT	1 QT.	8" O.C.	38



M8-3 BIOSWALE FACILTY

SCALE 1" = 30'

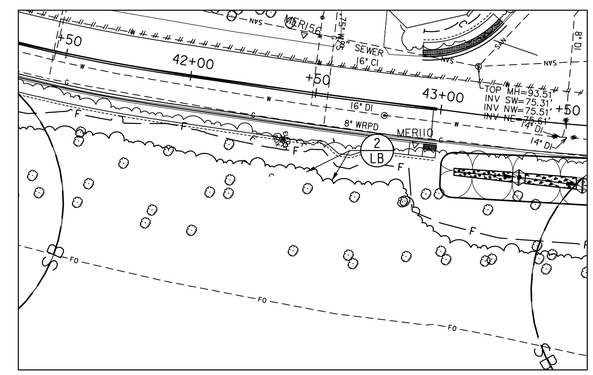
BIOSWALE PLANTING SCHEDULE					
PATTERN	KEY	BOTANICAL NAME /COMMON NAME	SIZE	SPACING	NUMBER
	CL	COREOPSIS LANCEOLATA /LANCELEAF TICKSEED	1 QT.	8" O.C.	58
	MF	MONARDA FISTULOSA /WILD BERGAMOT	1 QT.	8" O.C.	74



M8-4 BIOSWALE FACILTY

SCALE 1" = 30'

BIOSWALE PLANTING SCHEDULE					
PATTERN	KEY	BOTANICAL NAME /COMMON NAME	SIZE	SPACING	NUMBER
	IV	IRIS VERSICOLOR /BLUE FLAG IRIS	1 QT.	8" O.C.	40
	HC	HIBISCUS COCCINEUS /ROSE MALLOW	1 QT.	8" O.C.	41
+	HV	HAMAMELIS VIRGINIANA /WITCHHAZEL	6–8' HT	8' O.C.	2
	LC	LOBELIA CARDINALIS /CARDINAL FLOWER	1 QT.	8" O.C.	39
	MF	MONARDA FISTULOSA /WILD BERGAMOT	1 QT.	8" O.C.	40



M8-5 BIOSWALE FACILTY

SCALE 1" = 30'

BIOSWALE PLANTING SCHEDULE					
PATTERN	KEY	BOTANICAL NAME /COMMON NAME	SIZE	SPACING	NUMBER
	IV	IRIS VERSICOLOR /BLUE FLAG IRIS	1 QT.	8" O.C.	34
	CL	COREOPSIS LANCEOLATA /LANCELEAF TICKSEED	1 QT.	8" O.C.	39
+	LB	LINDERA BENZOIN /SPICEBUSH	6–8' HT	8' O.C.	2
	LC	LOBELIA CARDINALIS /CARDINAL FLOWER	1 QT.	8" O.C.	45
	HC	HIBISCUS COCCINEUS /ROSE MALLOW	1 QT.	8" O.C.	39

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

NGA

DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

Conditions of Approval

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- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.
- Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.
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Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

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Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

NGA

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

www.gpinet.com
GPI
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
BIOSWALE LANDSCAPING PLAN

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL
STATE OF MARYLAND
BRIAN C. MORGAN
No. 3967
LANDSCAPE ARCHITECT

Brian Morgan

Digitally signed by Brian Morgan
DN: C=US, E=bmorgan@gpinet.com, O="Greenman-Pedersen, Inc.", CN=Brian Morgan
Date: 2022.11.17 10:43:29-05'00'

DRAFTING: ADW CHECKED: GWF
PLOT DATE: APRIL, 2022
SCALE: 1" = 5
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
LD-01	46 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:01 AM
FILE: R:\2019\2019063.00 2019 Bg_#1 College Park Ch-Cat# Task 2 - Edmonston Road Sidewalk Project\CADD\pd-Sw\PK2_Edmonston.dgn

LANDSCAPE SPECIFICATIONS

A. MATERIALS:

1. PLANTS SHALL BE NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES, AND GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT. THEY SHALL HAVE BEEN ROOT PRUNED, PREFERABLY WITHIN THE LAST YEAR.

   THEY SHALL BE SOUND, HEALTHY, AND VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF DISEASE, PEST, EGGS, OR LARVAE, AND SHALL HAVE A HEALTHY DEVELOPED ROOT SYSTEM.

   PLANTS SHALL NOT BE PRUNED BEFORE DELIVERY. TREES WITH A DAMAGED OR CROOKED LEADER OR MULTIPLE LEADERS, ABRASIONS ON THE BARK, SUNSCALD, DISFIGURING KNOTS OR FRESH CUTS OVER 1 1/4 INCH WILL BE REJECTED.

   NO CHANGE IN QUANTITY, SIZE, KIND, OR QUALITY OF PLANT SPECIFIED WILL BE PERMITTED WITHOUT THE APPROVAL OF THE LANDSCAPE ARCHITECT, AND THE CITY OF COLLEGE PARK.

2. TOPSOIL SHALL BE FERTILE, FRIABLE AND TYPICAL OF THE LOCALITY, IT SHALL BE FREE OF STONES, LUMPS, PLANTS, ROOTS, STICKS AND SHALL NOT BE DELIVERED IN A FROZEN OR MUDDY CONDITION.

3. PLANTING SOIL (BACKFILL MIX) SHALL BE FIVE PARTS TOPSOIL AND ONE PART WET LOOSE ORGANIC HUMUS.

4. STAKING MATERIALS: GUY WIRE SHALL BE PLIABLE 12 GAUGE GALVANIZED TWISTED TWO STRAND WIRE. HOSE SHALL BE A SUITABLE LENGTH OF TWO-PLY RUBBER HOSE 3/4 INCH IN DIAMETER STAKES SHALL CONFORM TO THE DETAIL ON THIS SHEET.

B. APPLICABLE SPECIFICATIONS AND STANDARDS:

1. STANDARD PLANT NAMES, LATEST EDITION, AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE.

2. AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION. AMERICAN ASSOCIATION OF NURSERYMEN.

C. EXCAVATION OF PLANTING AREAS:

   STAKE OUT ON THE GROUND LOCATIONS FOR PLANTS AND OUTLINES OF AREA TO BE PLANTED AND OBTAIN APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATION IS BEGUN. LANDSCAPED AREAS TO BE THOROUGHLY WEEDED PRIOR TO PLANTING OPERATION.

D. PLANTING OPERATIONS:

   SET PLANTS AT SAME RELATIONSHIP TO FINISHED GRADE AS THEY BORE TO THE GROUND FROM WHICH THEY WERE DUG. USE PLANTING SOIL TO BACKFILL APPROXIMATELY 2/3 FULL. WATER THOROUGHLY BEFORE INSTALLING REMAINDER OF THE PLANTING SOIL TO TOP OF PITS. ELIMINATING ALL AIR POCKETS.

   SET PLANTING PLUMB AND BRACE RIGIDLY IN POSITION UNTIL THE PLANTING SOIL HAS BEEN TAMPED SOLIDLY AROUND THE BALL AND ROOTS. CUT ROPES OR STRINGS FROM THE TOP OF BALL AFTER PLANT HAS BEEN SET. LEAVE BURLAP OR CLOTH WRAPPING INTACT AROUND BALLS. TURN UNDER AND BURY PORTIONS OF BURLAP AT TOP OF BALL.

   PROTECT PLANTS AT ALL TIMES FROM SUN OR DRYING WINDS. PLANTS THAT CANNOT BE PLANTED IMMEDIATELY ON DELIVERY SHALL BE KEPT IN THE SHADE. WELL PROTECTED WITH SOIL, WET MOSS OR OTHER ACCEPTABLE MATERIAL AND SHALL BE KEPT WELL WATERED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN THREE DAYS AFTER DELIVERY.

   PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE BALL ONLY.

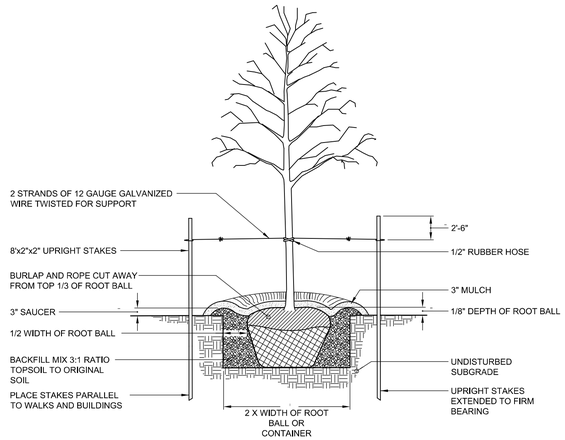
   MULCH ALL PITS AND BEDS WITH A TWO INCH LAYER OF BARK MULCH IMMEDIATELY AFTER PLANTING AND WORK INTO THE TOP THREE INCHES OF THE PLANTING SOIL. FORM A 3" EARTH SAUCER AROUND EACH PLANT. WATER ALL PLANTS IMMEDIATELY AFTER PLANTING. ADD ADDITIONAL MULCH TO MAKE A TOTAL 3" MULCH DEPTH.

E. STAKING, WRAPPING, AND PRUNING:

   STAKING SHALL BE COMPLETED IMMEDIATELY AFTER PLANTING. PLANTS SHALL STAND PLUMB AFTER STAKING. STAKES AND GUY WIRES SHALL BE REMOVED AT THE END OF THE GUARANTEE PERIOD AND DISPOSED OF OFF SITE BY THE CONTRACTOR.

   PRUNE PLANTS AT THE TIME OF PLANTING AS DIRECTED BY THE LANDSCAPE ARCHITECT TO REMOVE A MAXIMUM OF 1/3 OF THE FOLIAGE. REMOVE ALL DEAD WOOD, SUCKERS OR BROKEN BRANCHES AND PRESERVE THE NATURAL CHARACTER OF THE PLANT.

F. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN A HEALTHY AND VIGOROUS CONDITION AT THE BEGINNING OF THE SECOND GROWING SEASON FOLLOWING ACCEPTANCE BY THE LANDSCAPE ARCHITECT.



DECIDUOUS TREE PLANTING DETAIL
B&B
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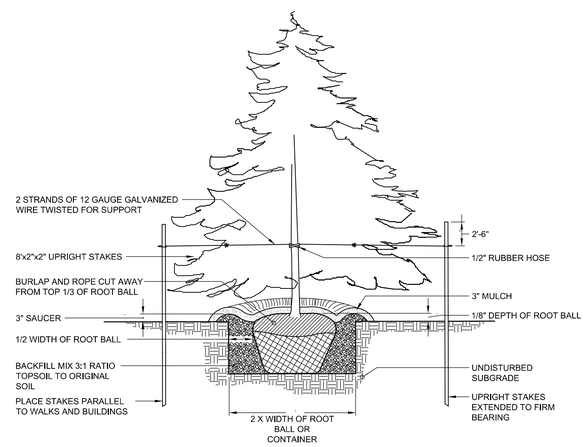

EVERGREEN TREE PLANTING DETAIL
B&B
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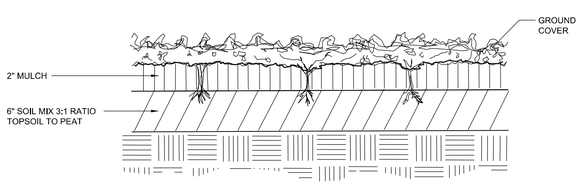

ALL GROUND COVERS SHALL BE PLANTED IN ACCORDANCE WITH THE PLANTING SCHEDULE

GROUNDCOVER PLANTING DETAIL
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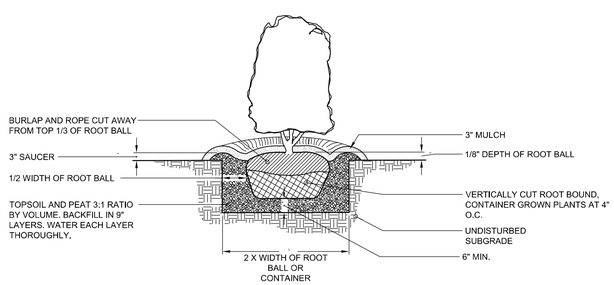
NOT TO SCALE



SHRUB PLANTING DETAIL
B&B AND CONTAINER GROWN
NOT TO SCALE

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
8400 BALTIMORE AVE., SUITE 375
COLLEGE PARK, MARYLAND, 20740
240.487.3509
ATTN.: STEVEN HALPERN, P.E.
EMAIL: Shalpern@Collegeparkmd.gov

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Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
LANDSCAPING DETAILS

PROJECT
EDMONSTON ROAD SIDEWALK IMPROVEMENTS
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL
STATE OF MARYLAND
BRIAN C. MORGAN
3487
LANDSCAPE ARCHITECT

DRAFTING: ADW	CHECKED: GWF
PLOT DATE: APRIL, 2022	
SCALE: 1" = XX	
PROJECT NUMBER: 2019063.07	

DRAWING	SHEET
LD-02	47 OF 47

PLOTTED: Wednesday, May 04, 2022 AT 11:11 AM
FILE: N:\2019\2019063.07 City of College Park - Edmonston Road Sidewalk Project\CADD\Ld\LD-02\LD_Edmonston.dgn

Prince George's County Maryland
Department of Permitting, Inspections & Enforcement
APPROVED PLAN SET
SD-SWM ONLY

The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Plan Approval #): 17150-2022-0
Case Type: SDFG
Issuance Date: 10/21/2022
Address: , Maryland
Lot(s) and Block(s): Lot and Block not found

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT

NGA

Conditions of Approval

The above approval is conditioned upon the following:

- This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.
- Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.
- **This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.**

Prince George's County, Maryland
Department of Permitting, Inspections and Enforcement
APPROVED PERMIT SET

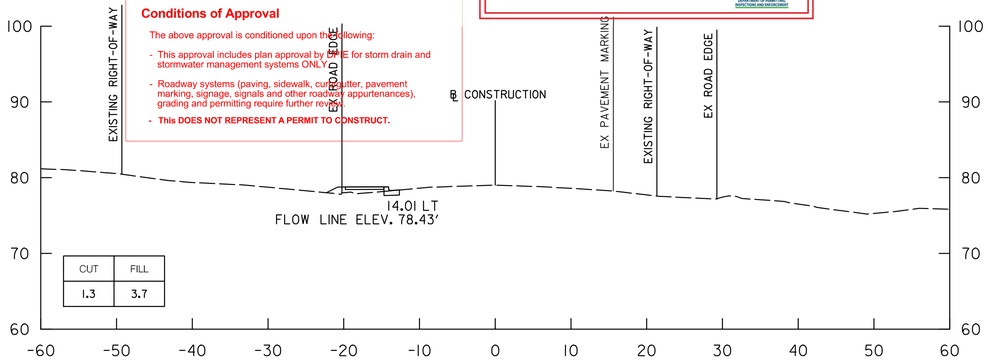
The Department of Permitting, Inspections and Enforcement has completed a review of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record copy of these documents with their original seal, signature and date.

Case Name: CITY OF COLLEGE PARK - EDMONSTON ROAD IMPROVEMENT
Case Number (Permit #): 17150-2022-0
Case Type: SDFG
Issuance Date: 11/16/2022
Address: , Maryland

Lot(s), Block(s) and Parcel(s):
Lot and Block not found

NGA

DPIE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT



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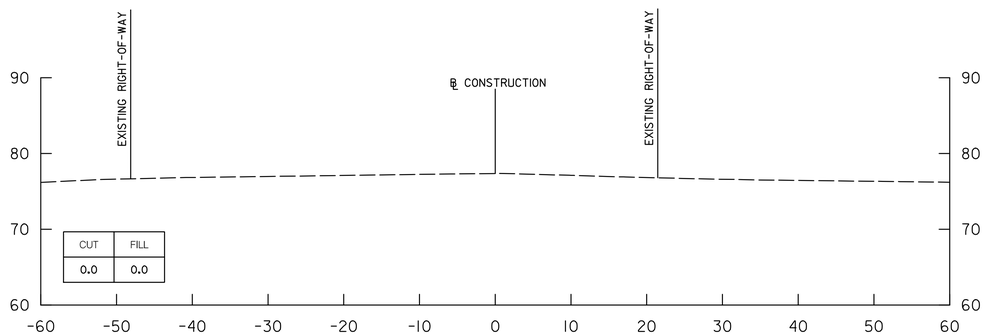

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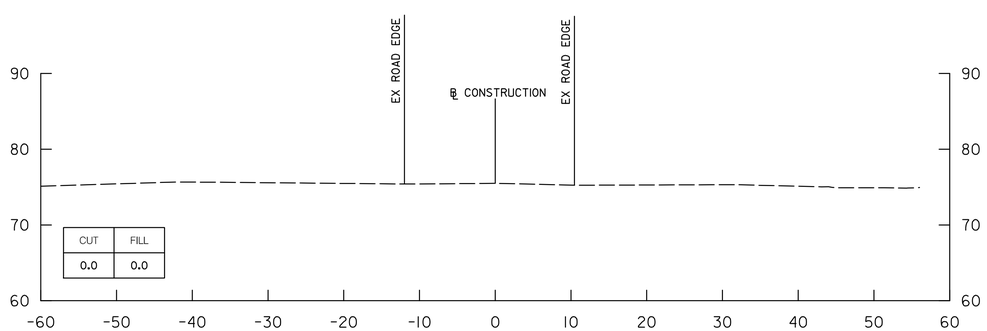

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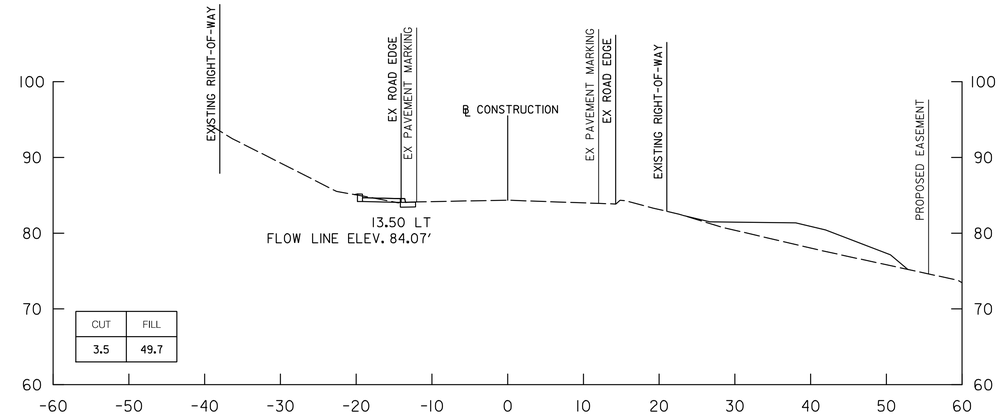

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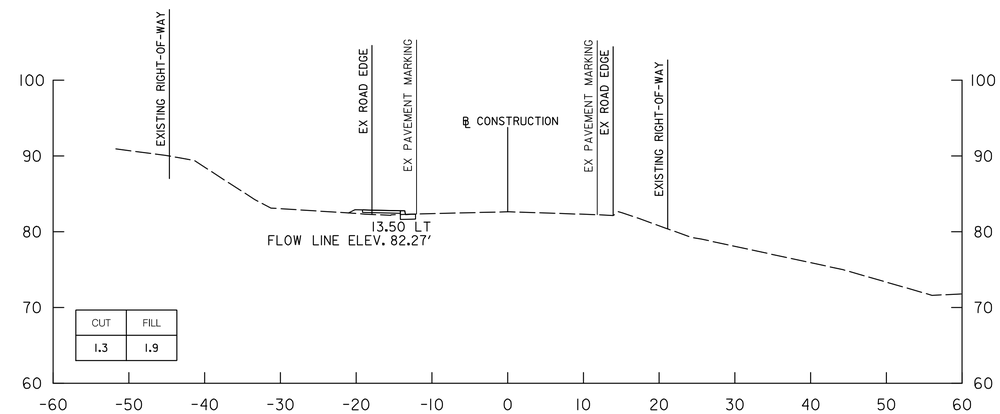

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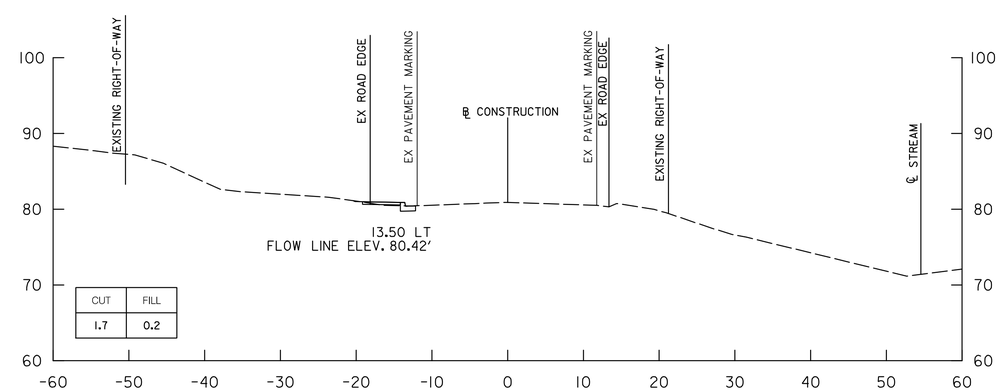

11+50

Gregory Filar Digitally signed by Gregory Filar
Date: 2022.11.17 09:25:43 -05'00'

REVISIONS	DATE

OWNER: DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
CROSS STATIONS
STATION 10+00 TO STATION 12+50

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FILAR
No. 20766
REGISTERED PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: DECEMBER, 2021
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
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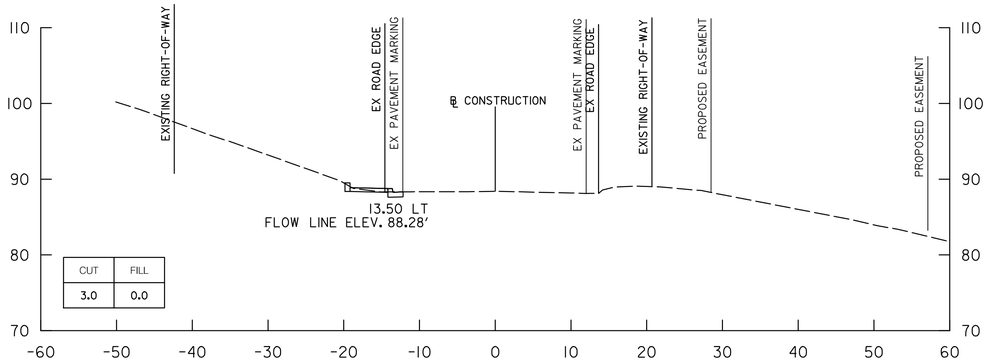

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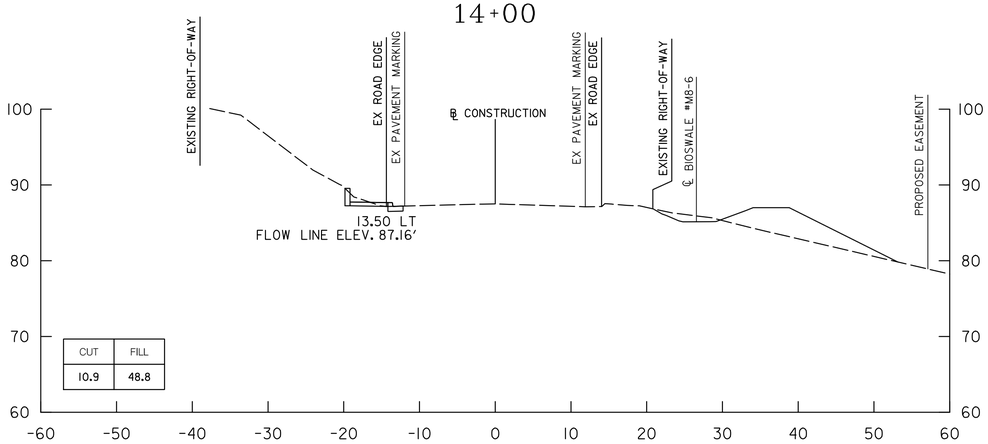

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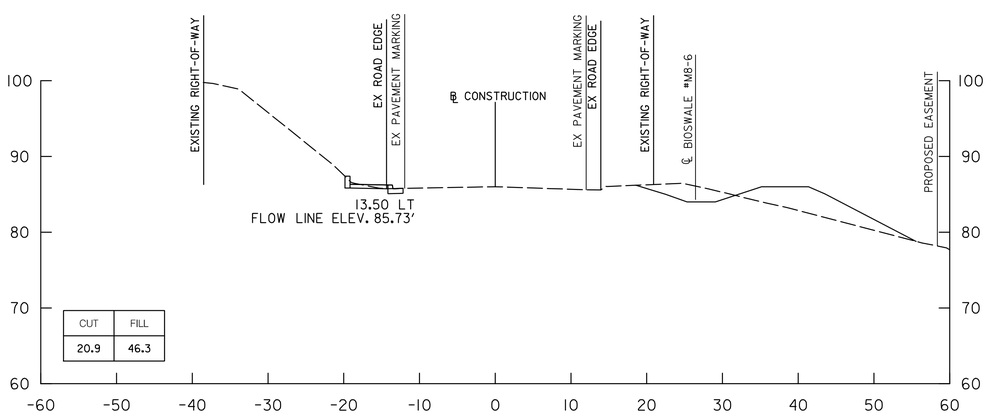

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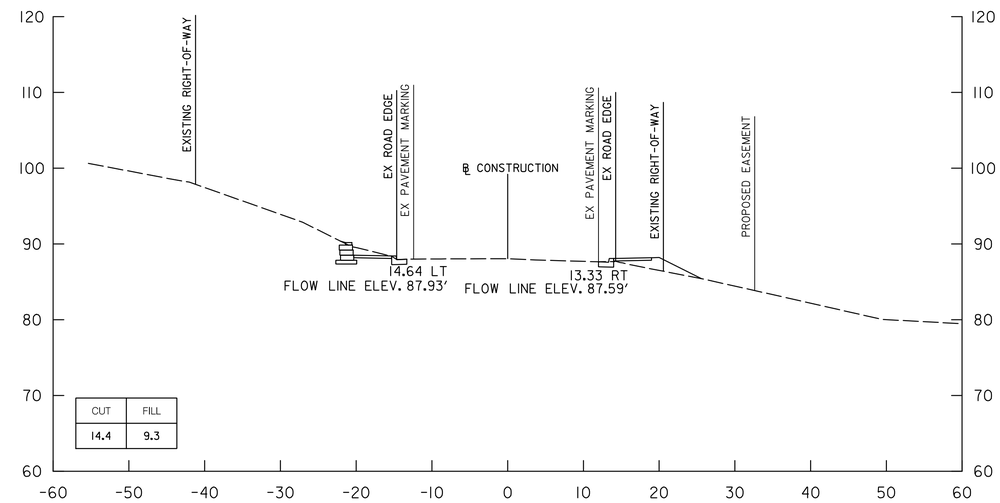

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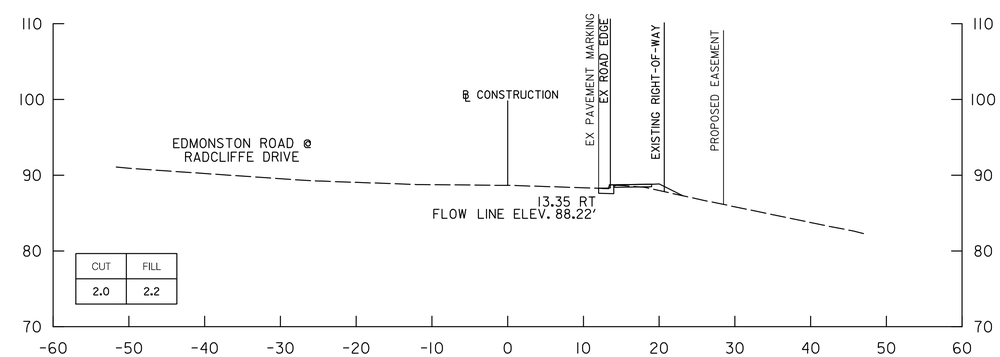

14+50

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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Engineering | Design | Planning | Construction Management
www.gpinet.com
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
CROSS SECTIONS
STATION 13+00 TO STATION 15+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAIR
NO. 20702
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
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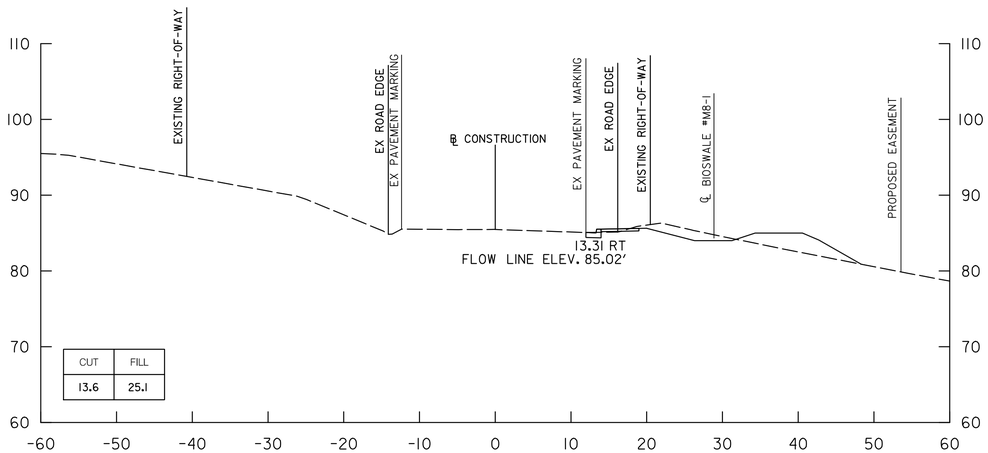

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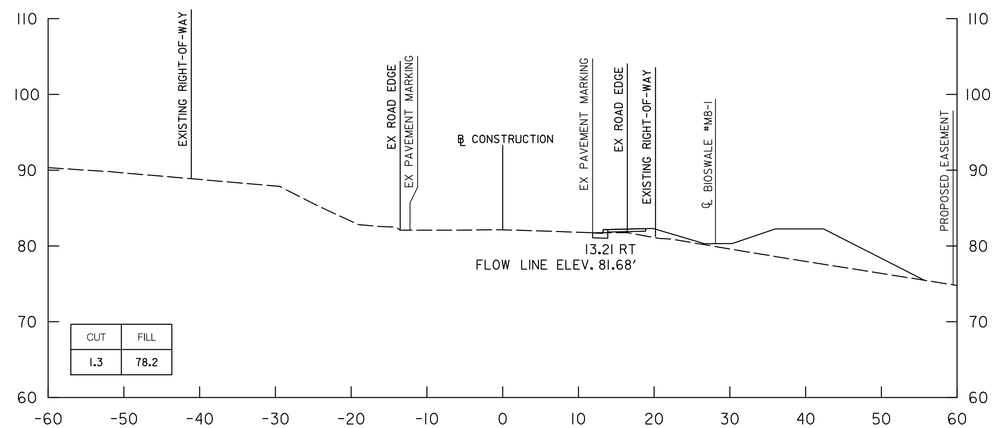

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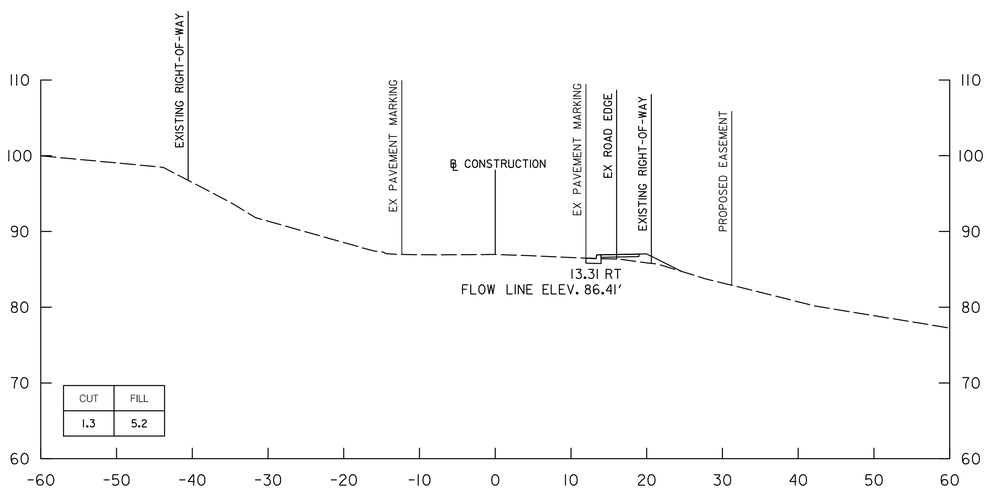

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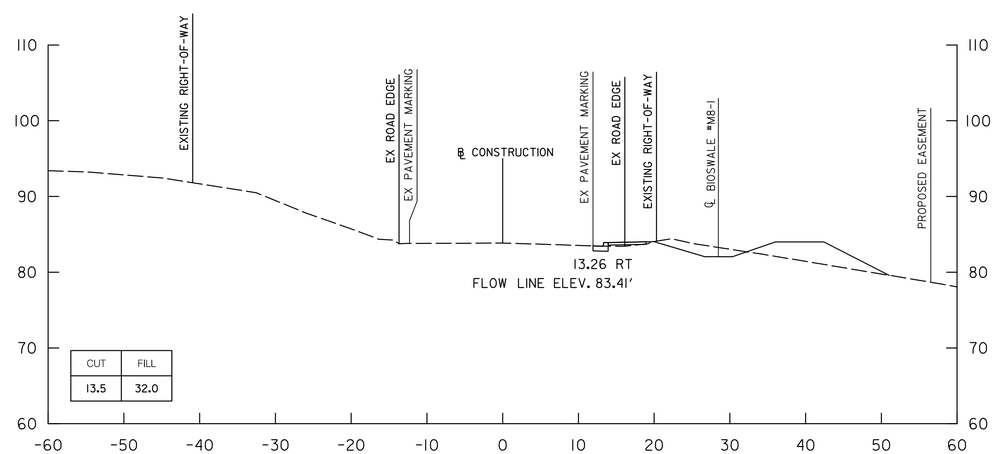

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DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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www.gpinet.com
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
CROSS SESTIONS
STATION 15+50 TO STATION 17+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAIR
NO. 20782
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
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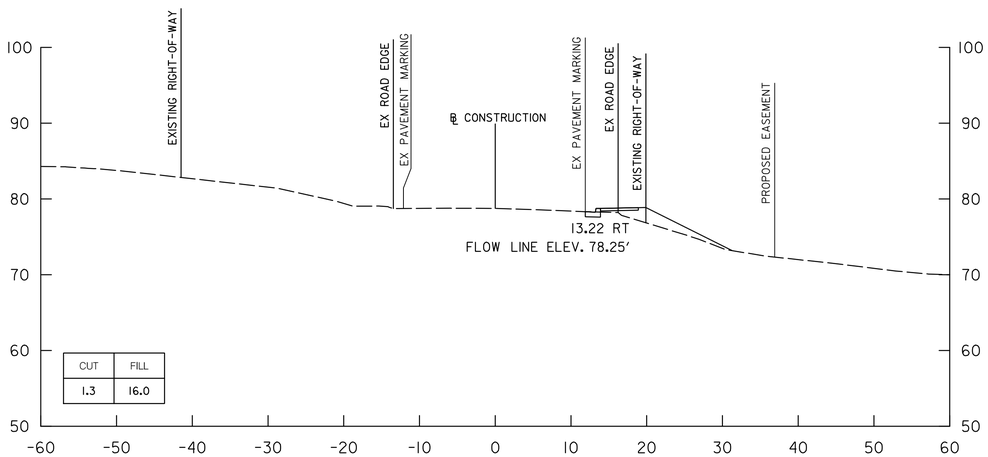

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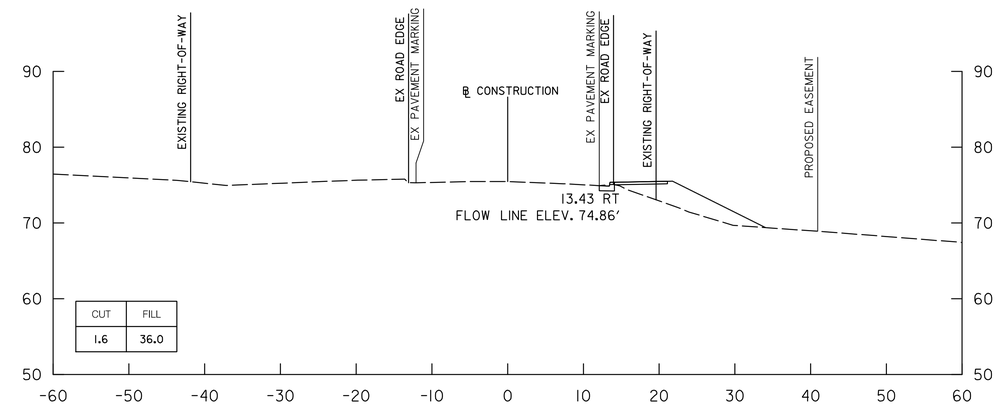

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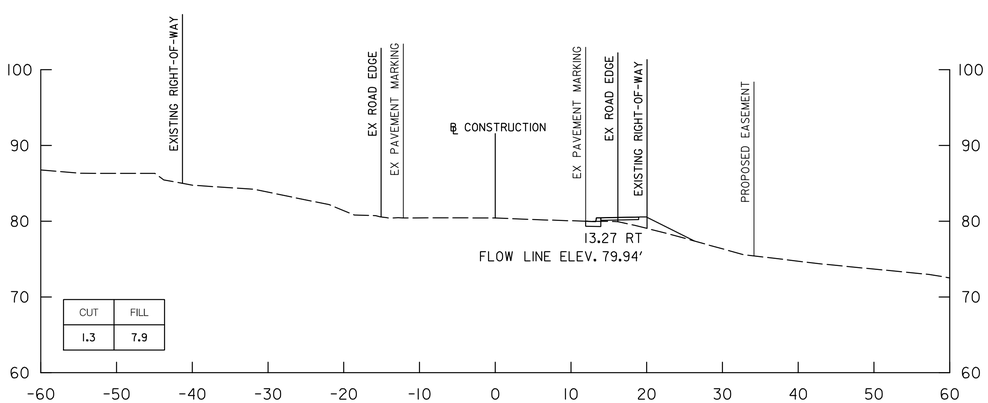

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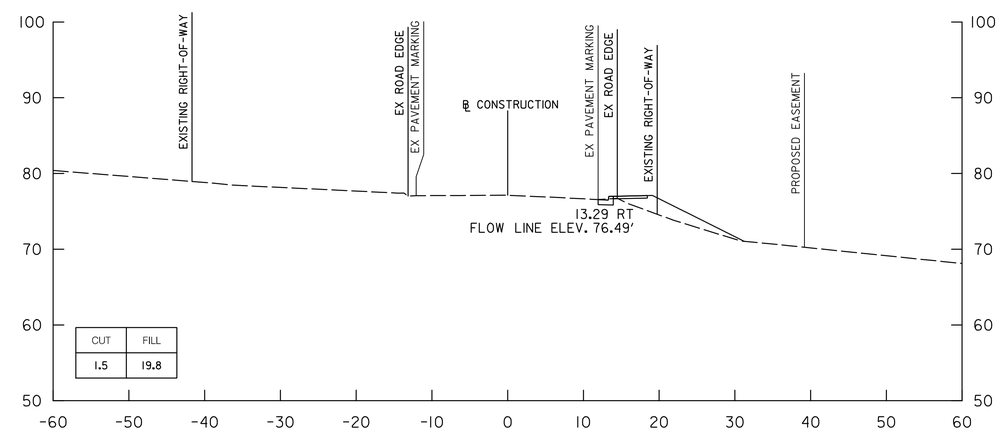

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DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
CROSS SECTIONS
STATION 17+50 TO STATION 19+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAIR
NO. 20782
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
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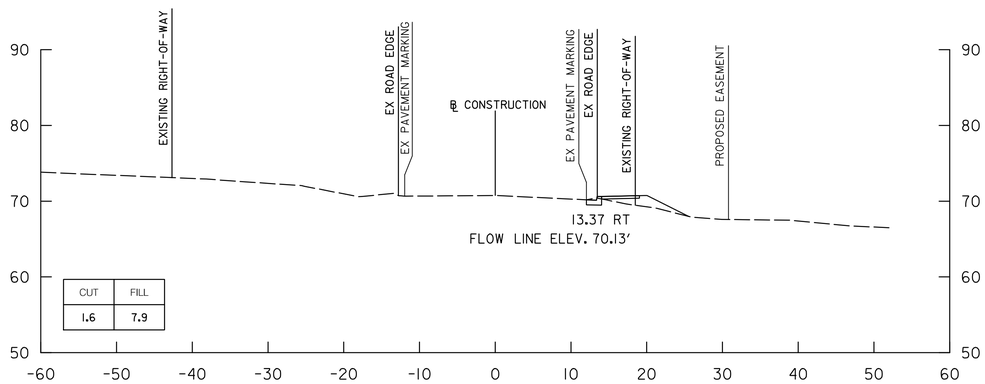

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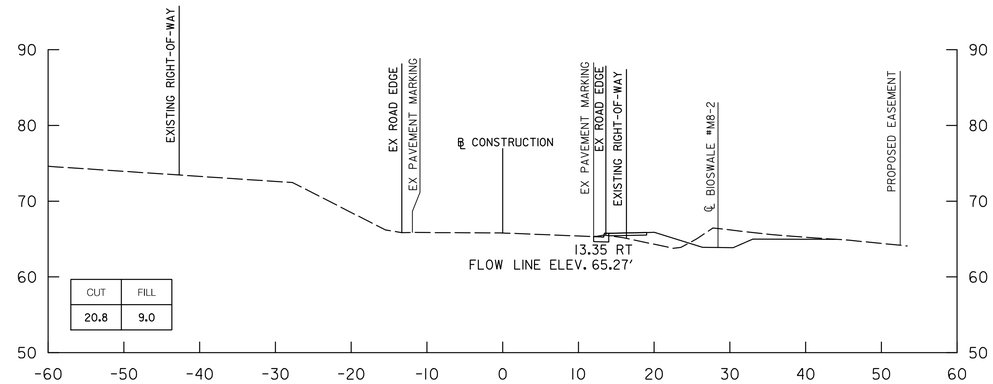

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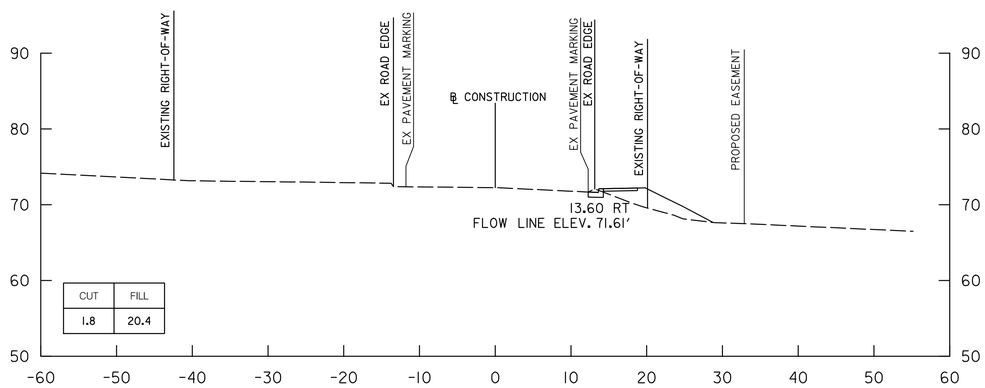

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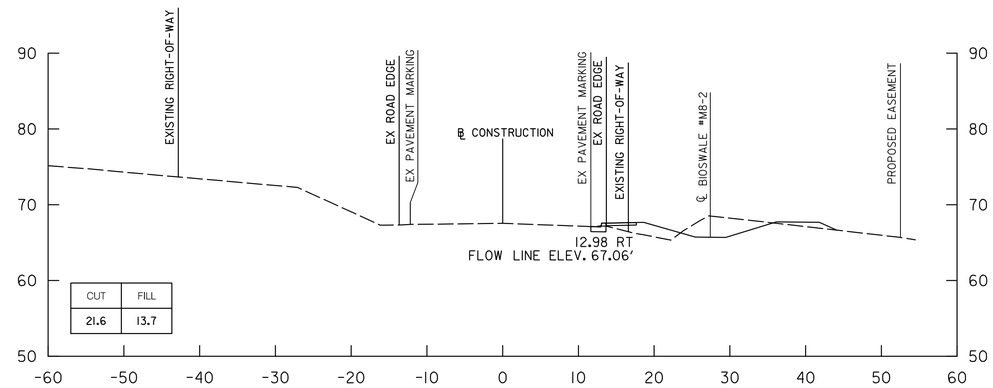

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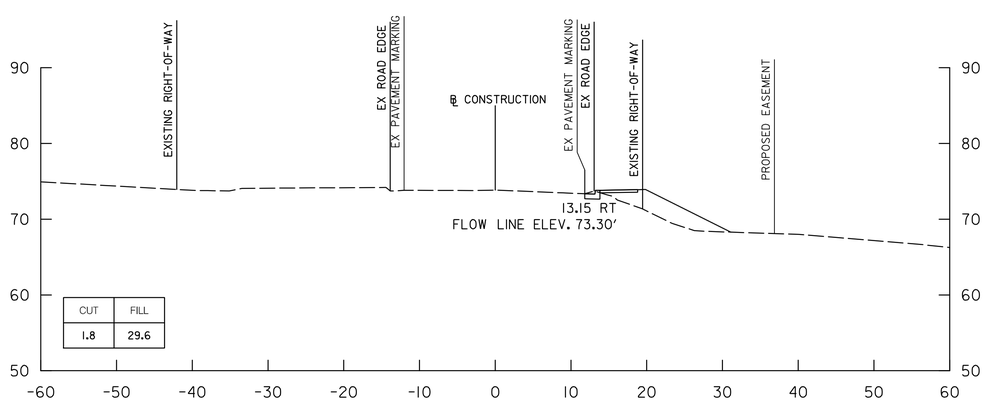

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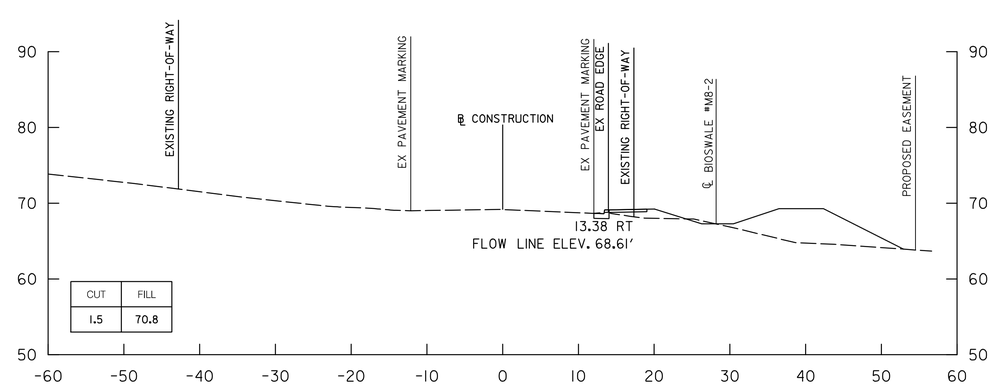

21+00

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

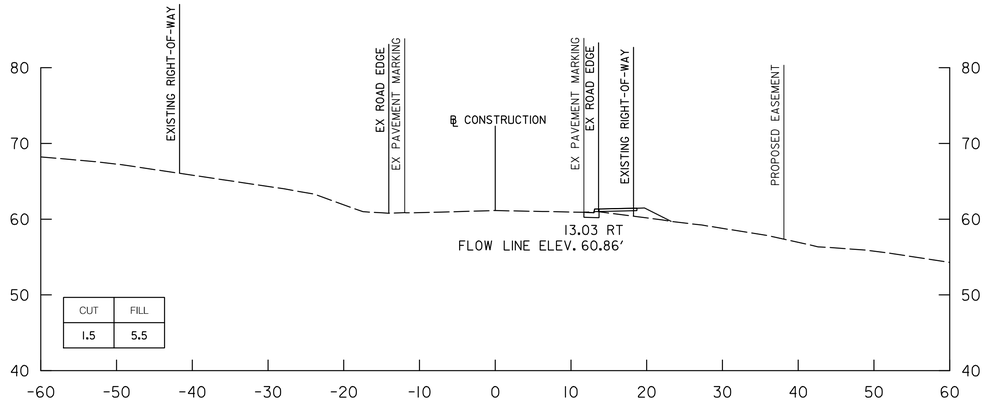
DRAWING TITLE
CROSS SECTIONS
STATION 19+50 TO STATION 22+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAIR
NO. 20702
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-05	5 OF 16



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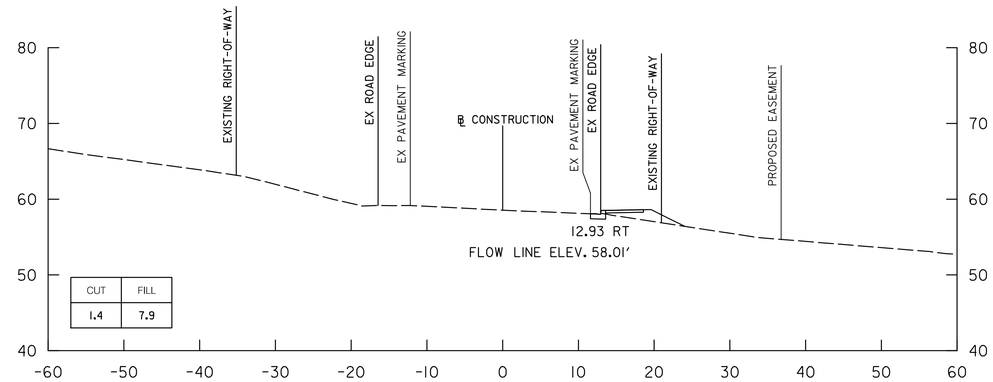

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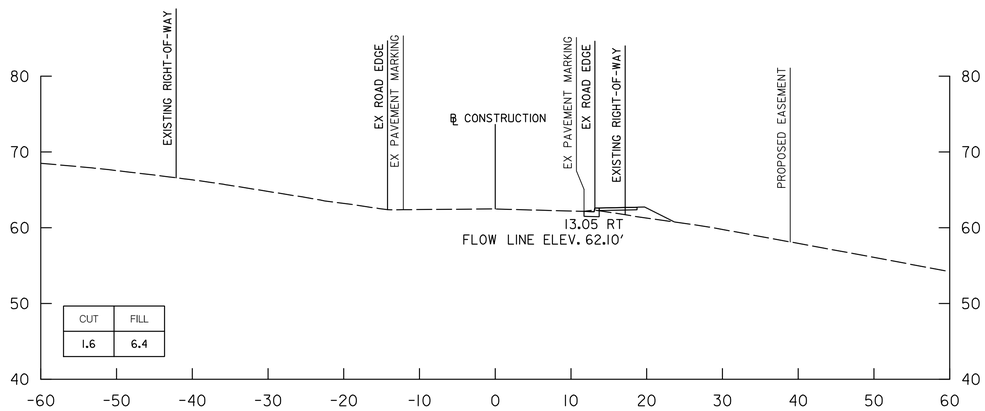

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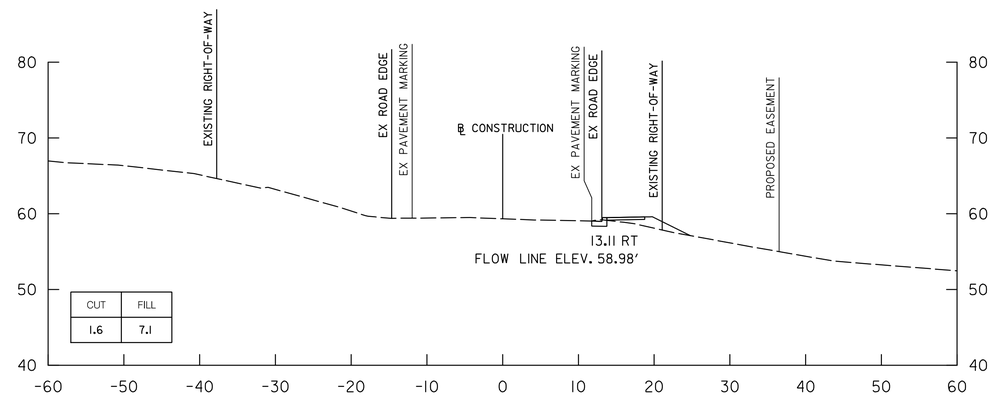

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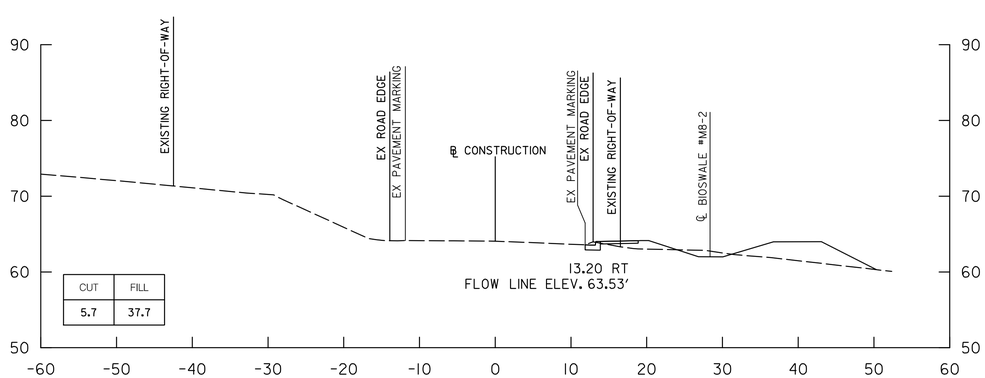

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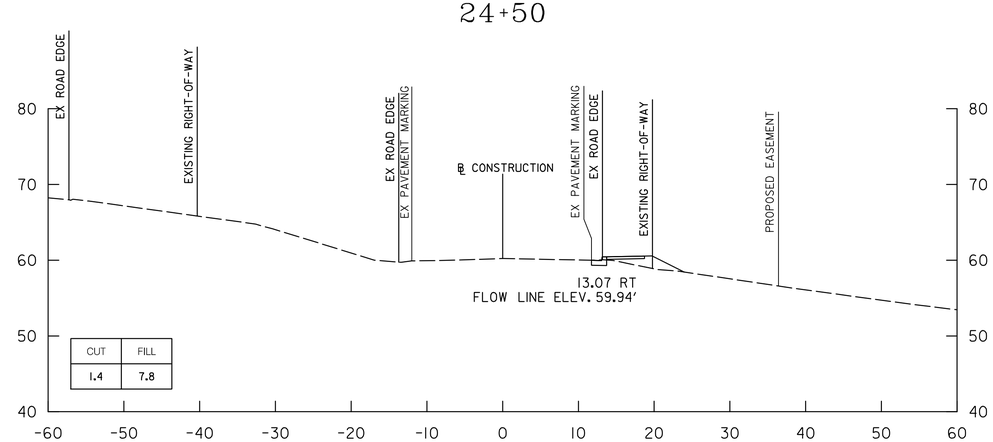


24+00

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

GPI
Engineering | Design | Planning | Construction Management
www.gpinet.com
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

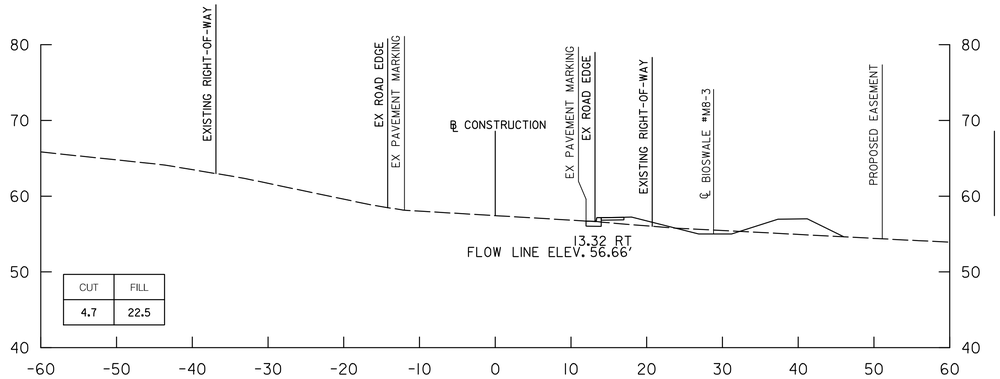
DRAWING TITLE
CROSS SECTIONS
STATION 22+50 TO STATION 25+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAIR
NO. 20702
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-06	6 OF 16



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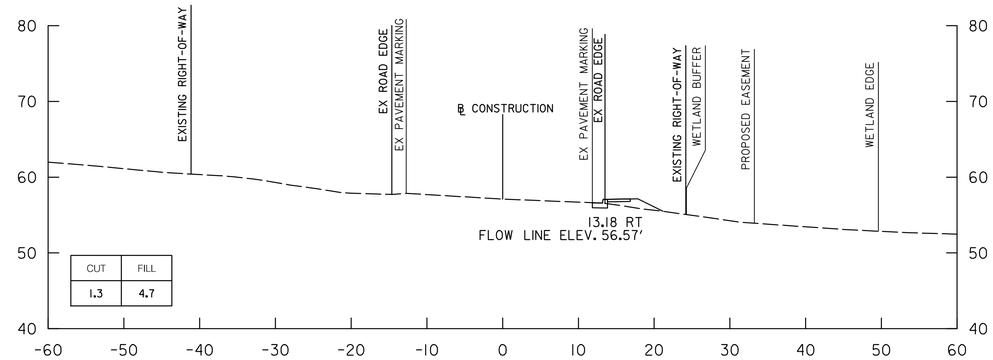

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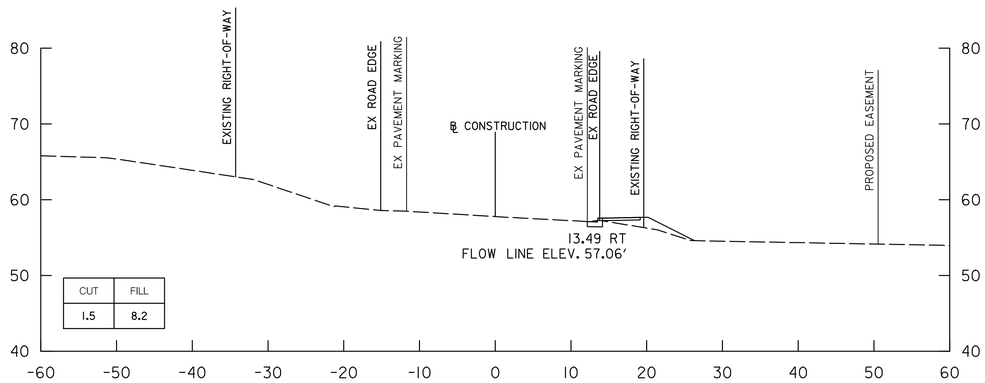

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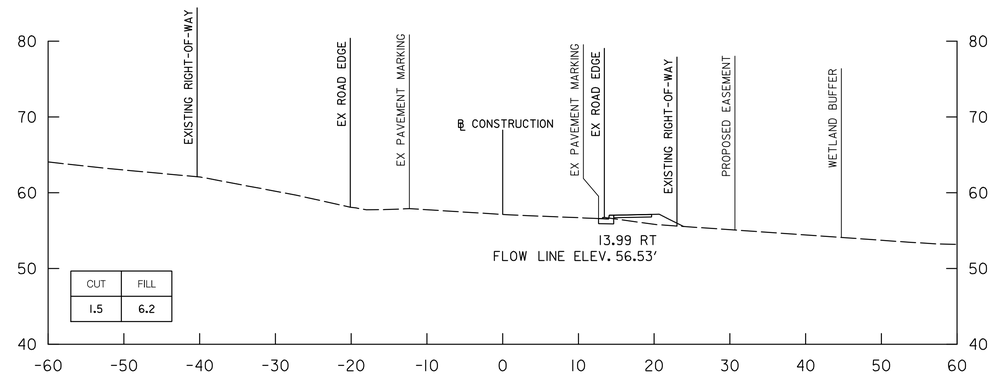

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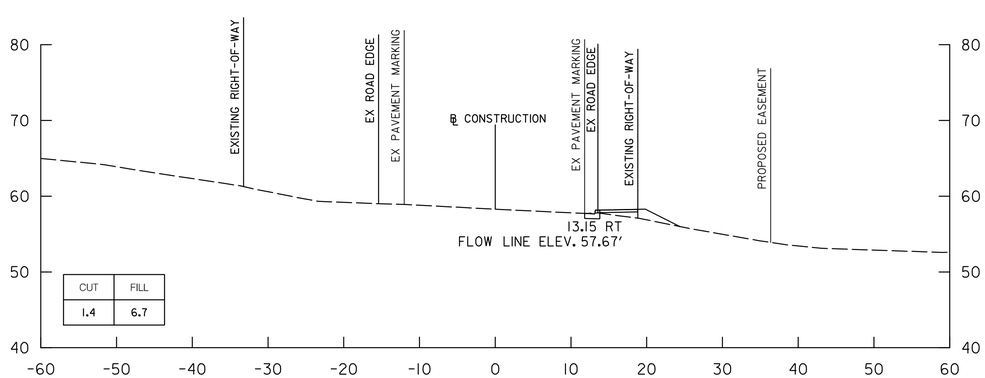

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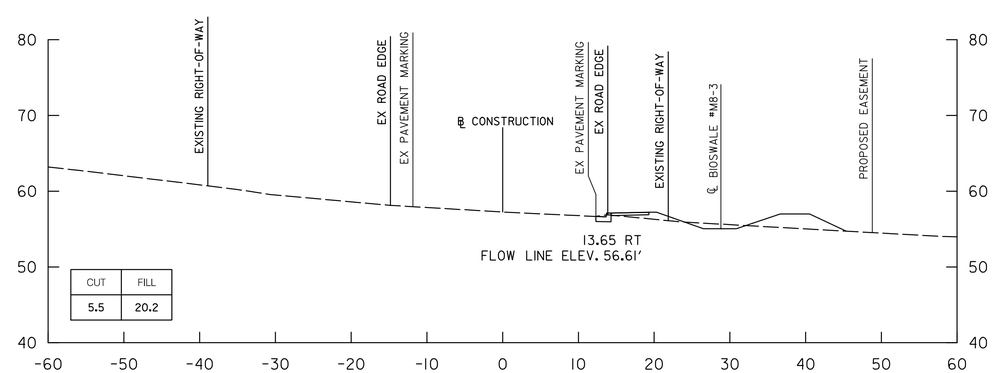

27+00

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

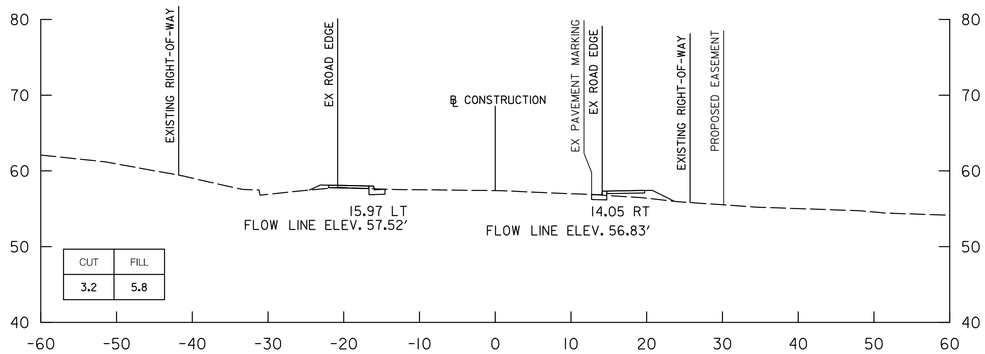
DRAWING TITLE
CROSS SECTIONS
STATION 25+50 TO STATION 28+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAIR
NO. 20702
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-07	7 OF 16



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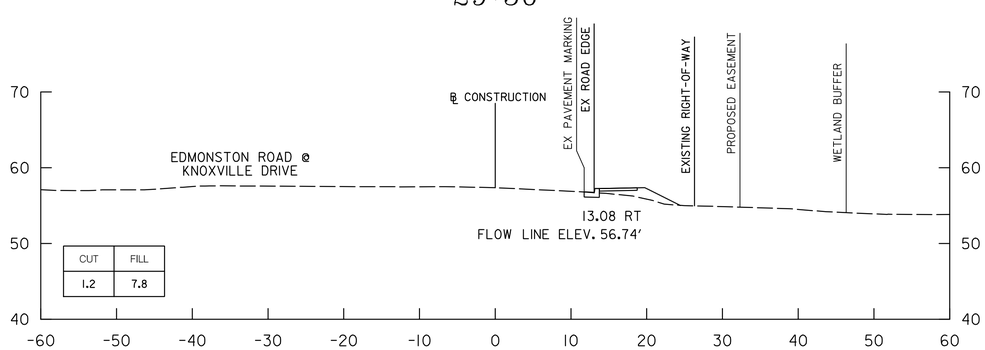

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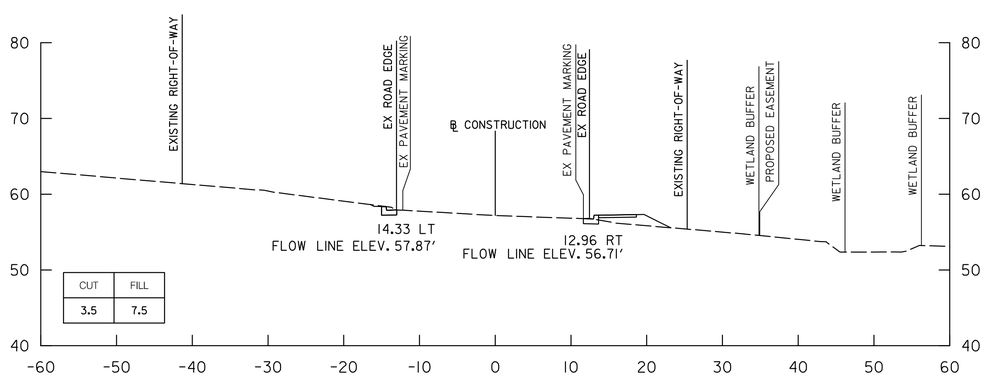

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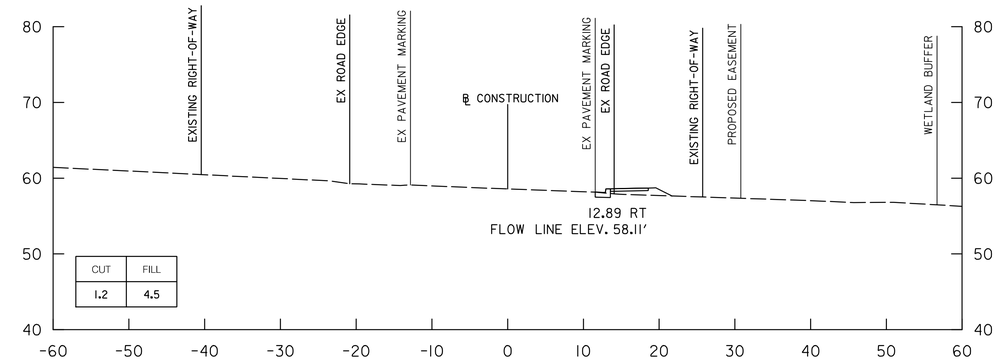

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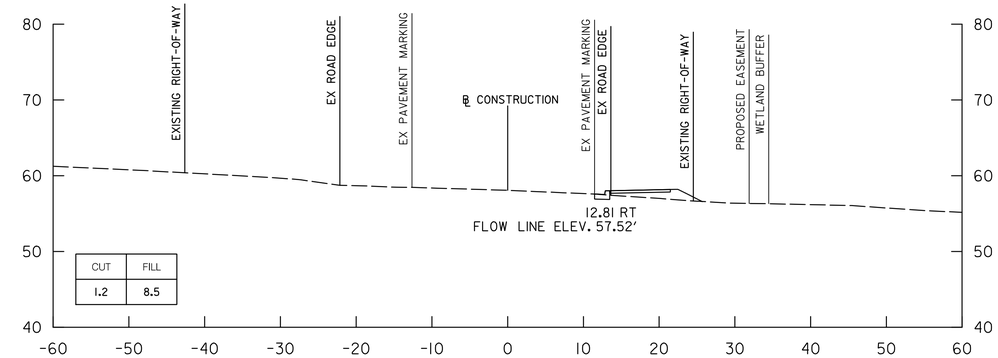

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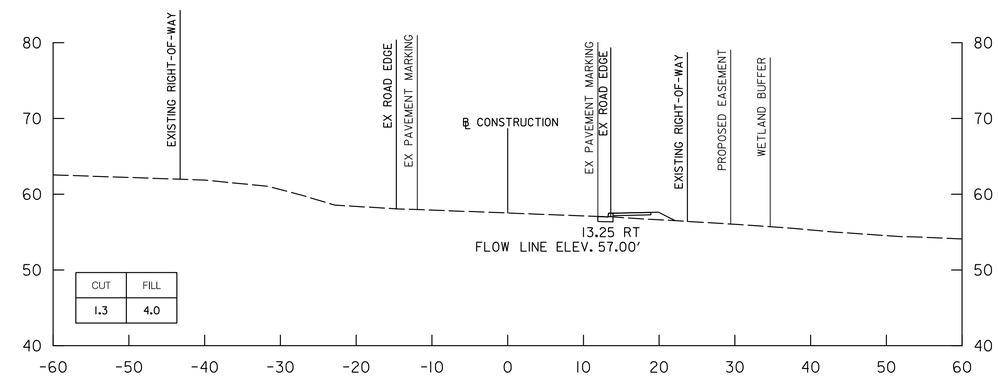

30+00

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

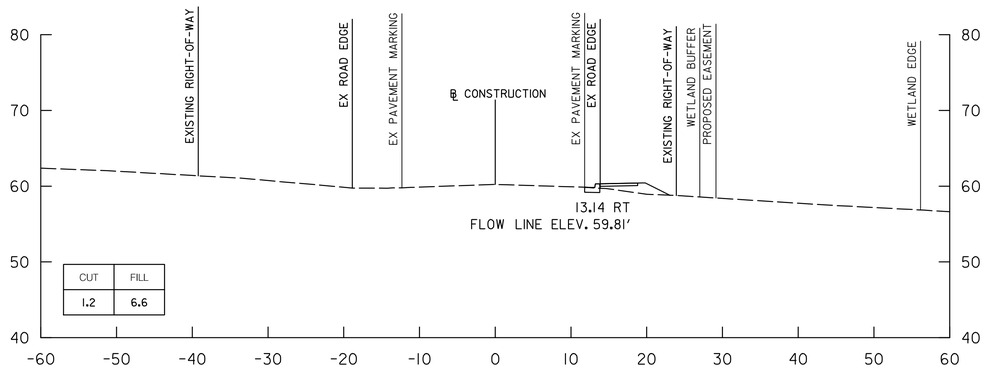
DRAWING TITLE
CROSS SECTIONS
STATION 28+50 TO STATION 31+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAT
NO. 20702
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-08	8 OF 16



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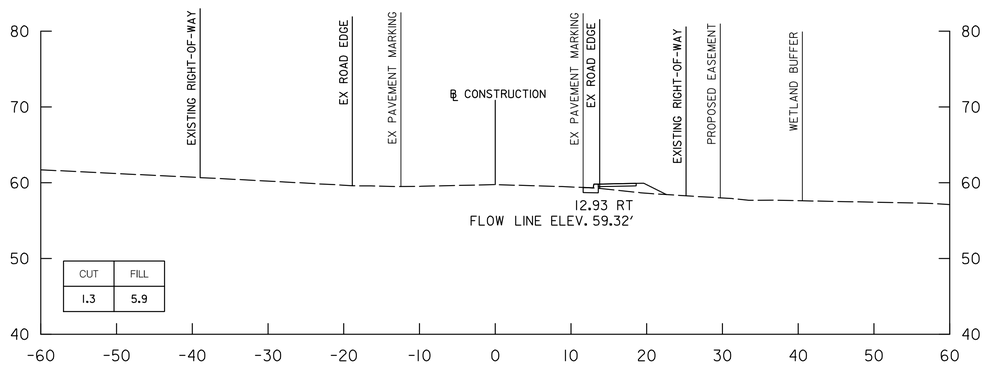

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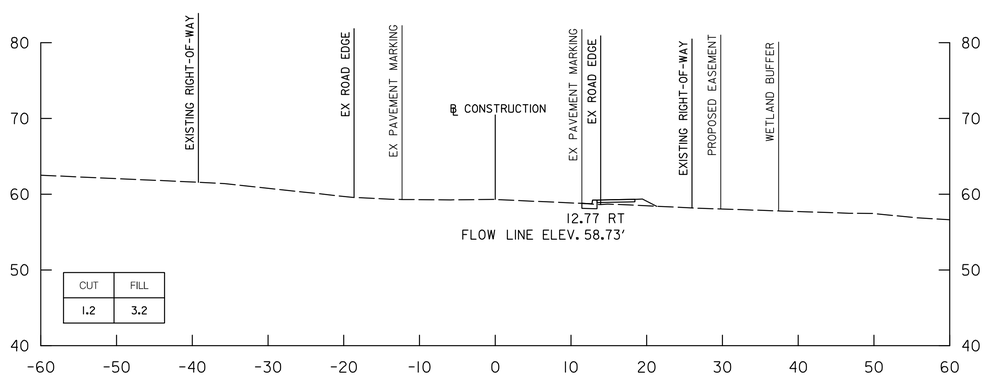

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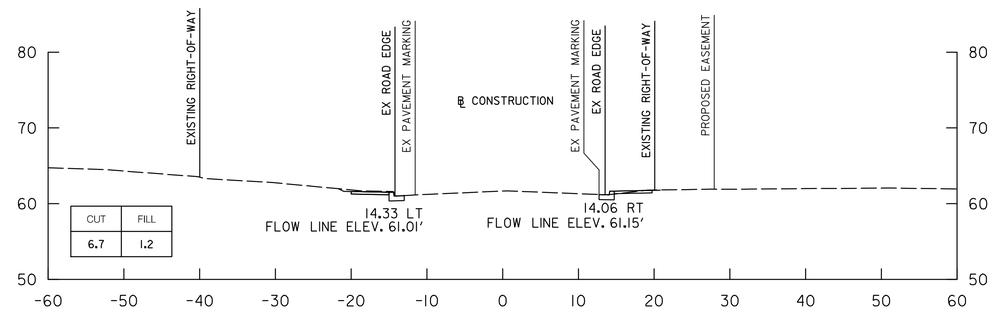

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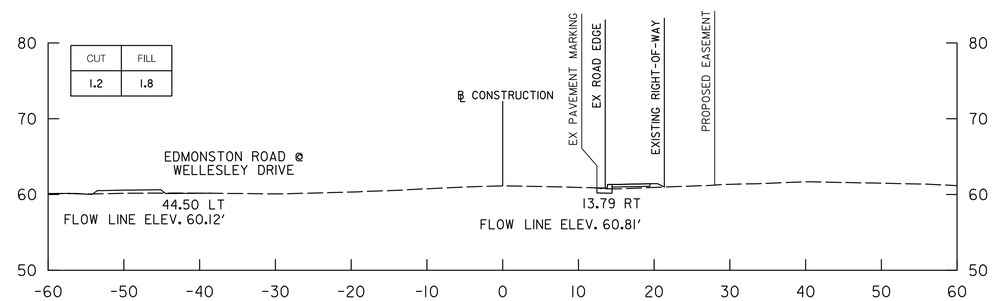

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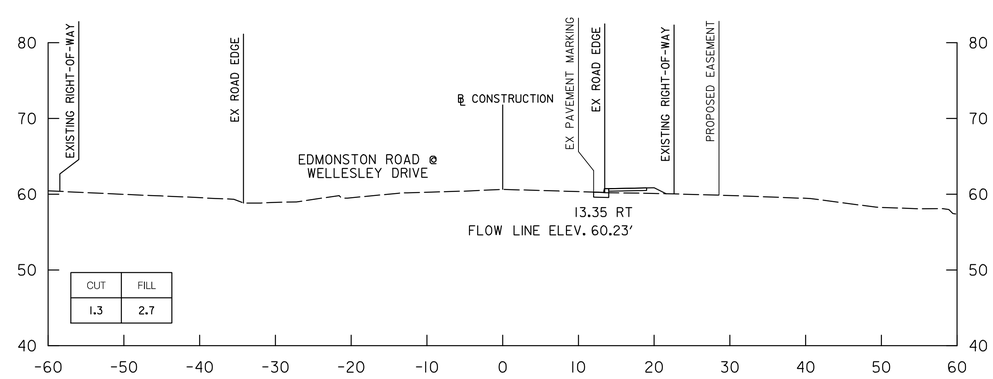

33+00

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
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Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

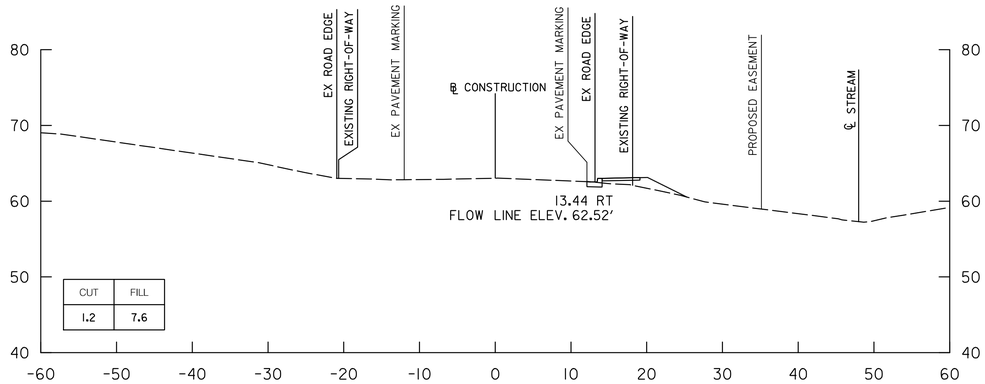
DRAWING TITLE
CROSS SECTIONS
STATION 31+50 TO STATION 34+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAT
NO. 20782
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-09	9 OF 16



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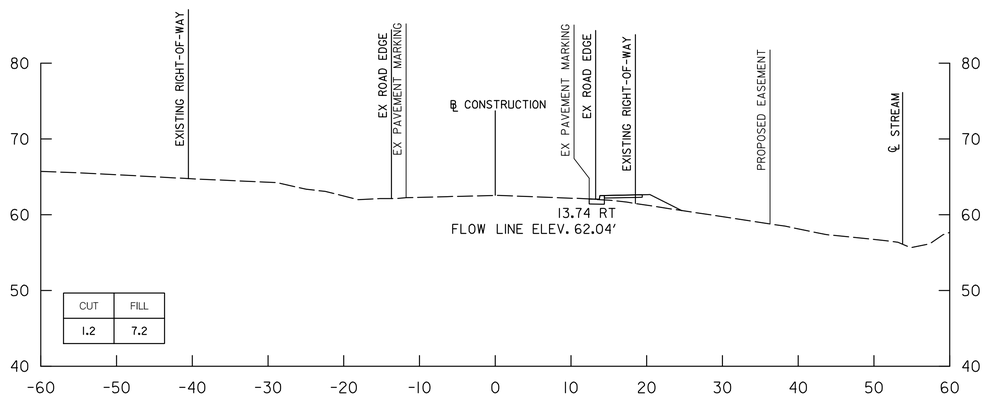

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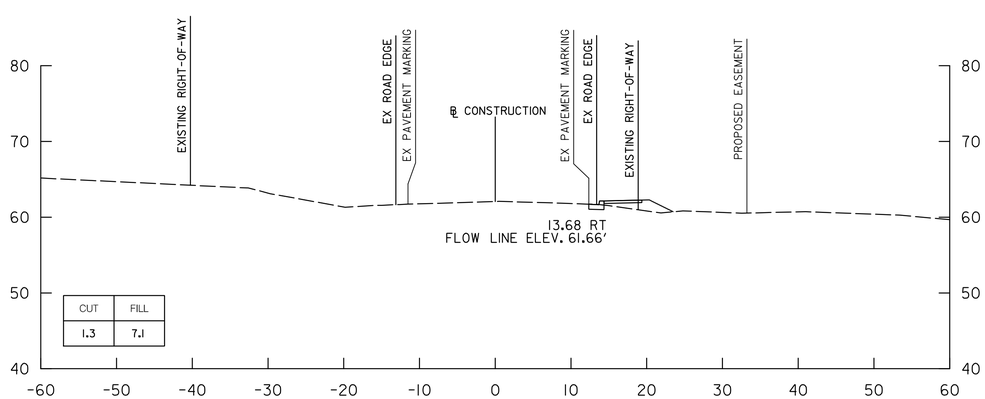

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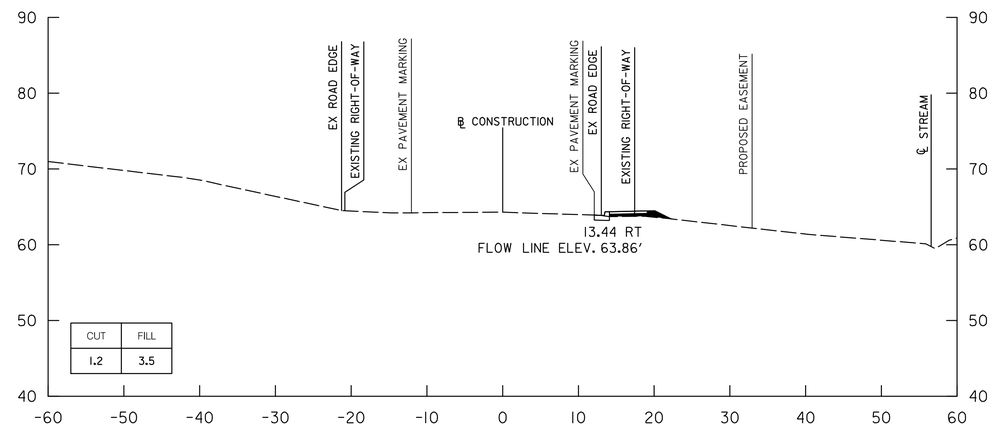

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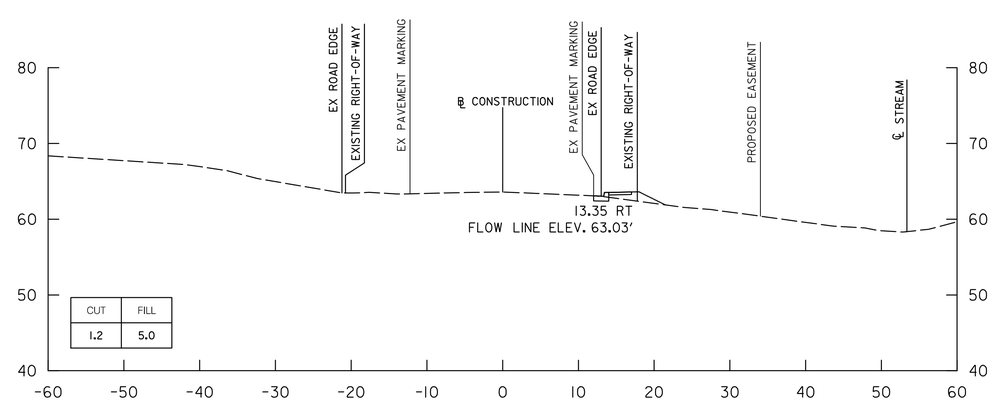

36+00

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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Engineering | Design | Planning | Construction Management
www.gpinet.com
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

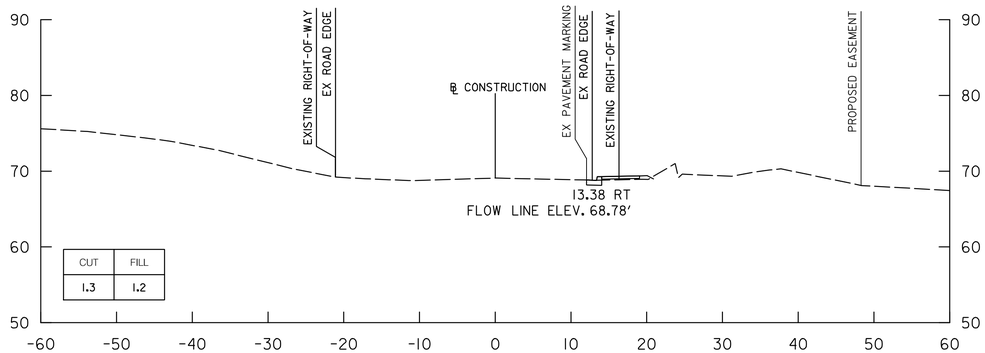
DRAWING TITLE
CROSS SECTIONS
STATION 34+50 TO STATION 36+50

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAT
NO. 20702
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-10	10 OF 16



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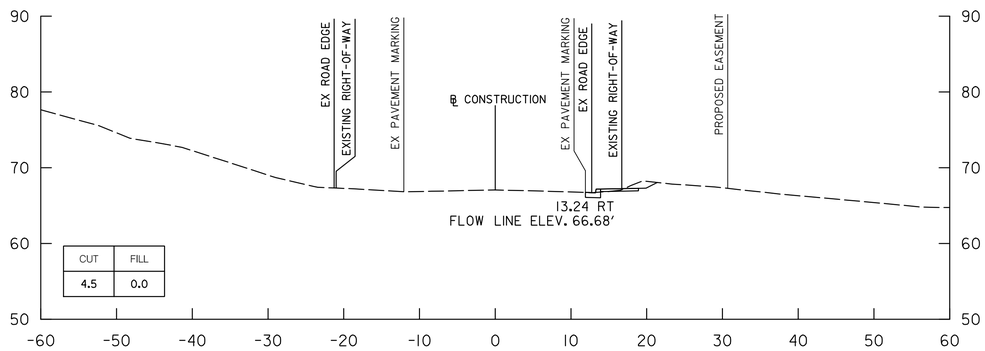

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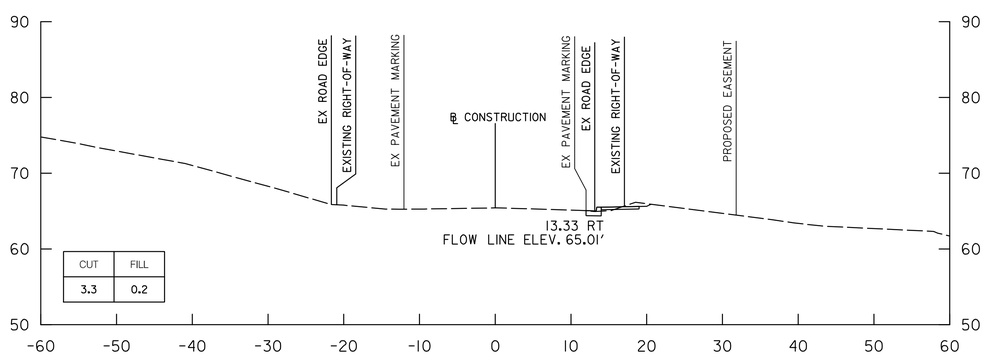

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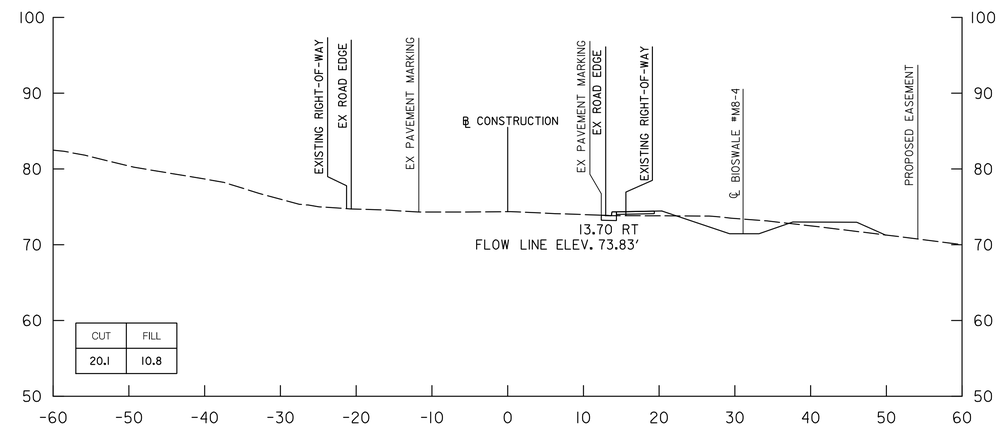

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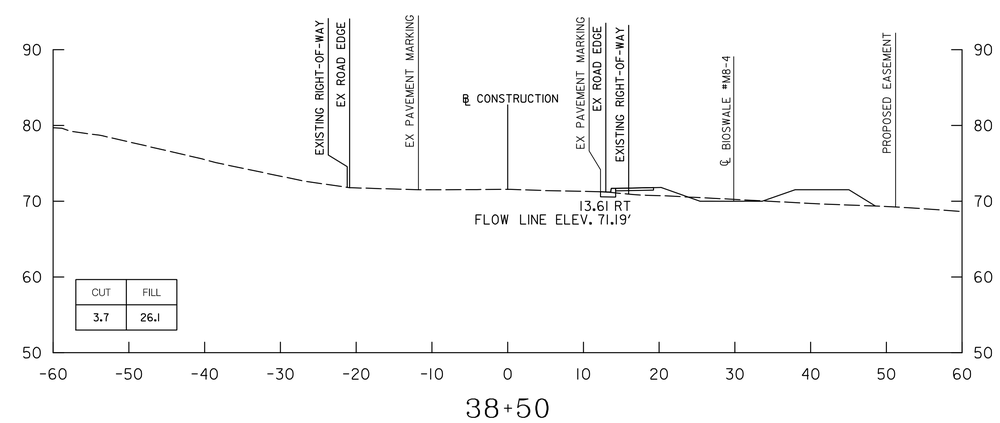

38+50

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

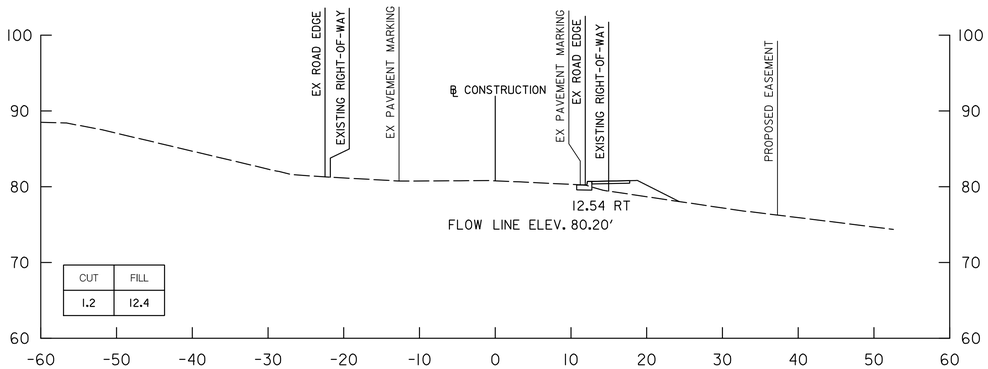
DRAWING TITLE
CROSS SECTIONS
STATION 37+00 TO STATION 39+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAIR
NO. 20702
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-11	11 OF 16



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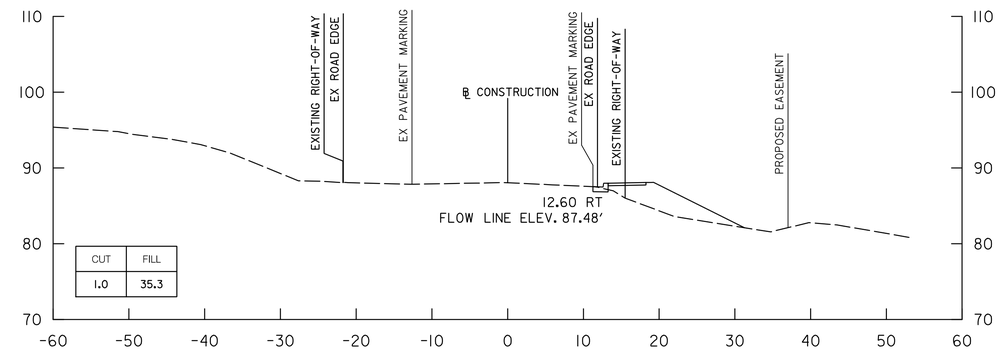

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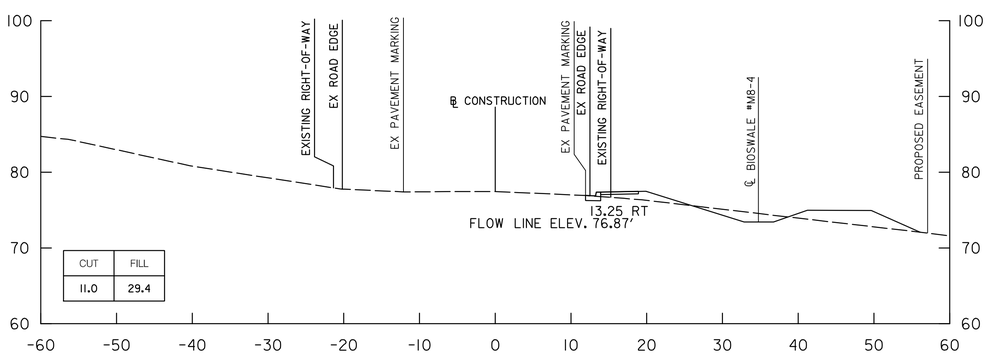

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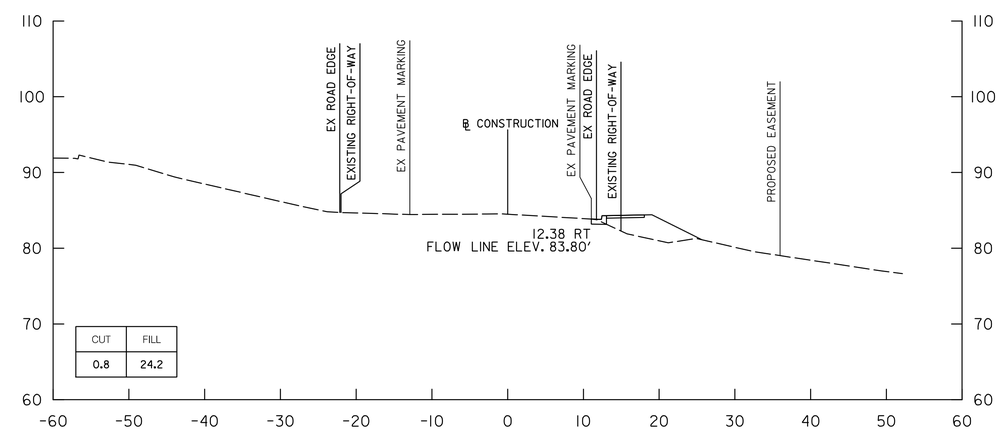

40+50

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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www.gpinet.com
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

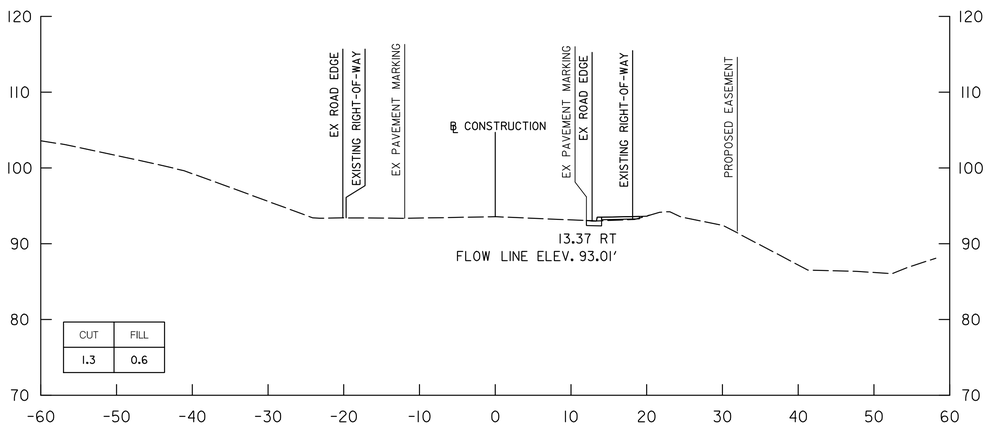
DRAWING TITLE
CROSS SECTIONS
STATION 39+50 TO STATION 41+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

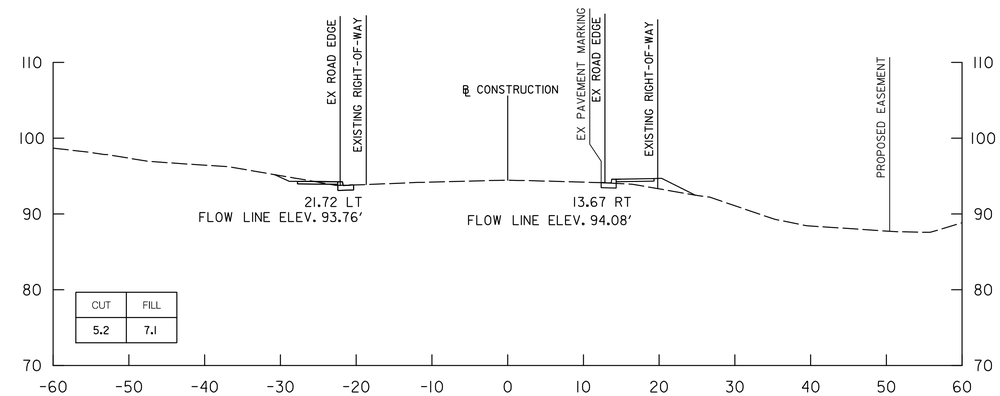
SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAR
NO. 20782
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-12	12 OF 16



42+00



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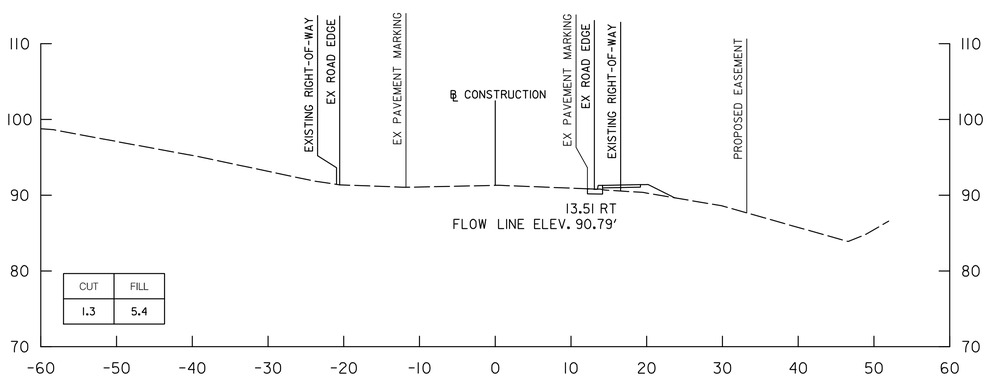

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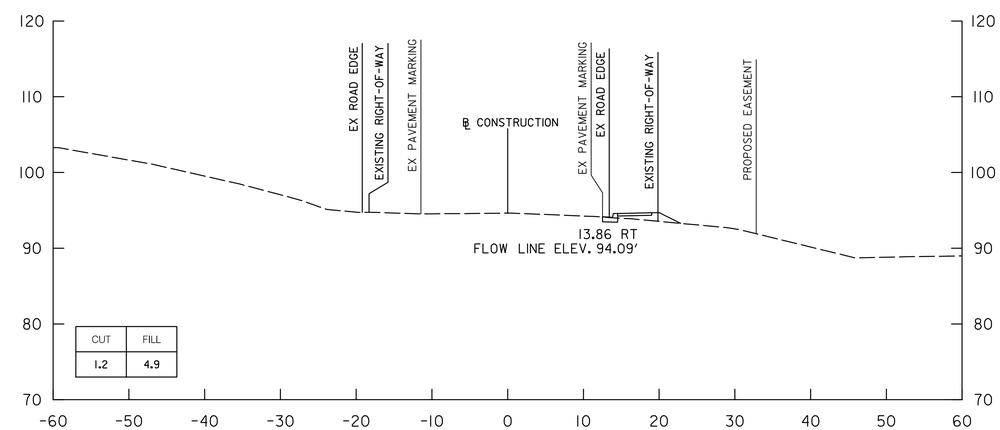

42+50

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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Columbia, MD 21044
Tel: 410.880.3055

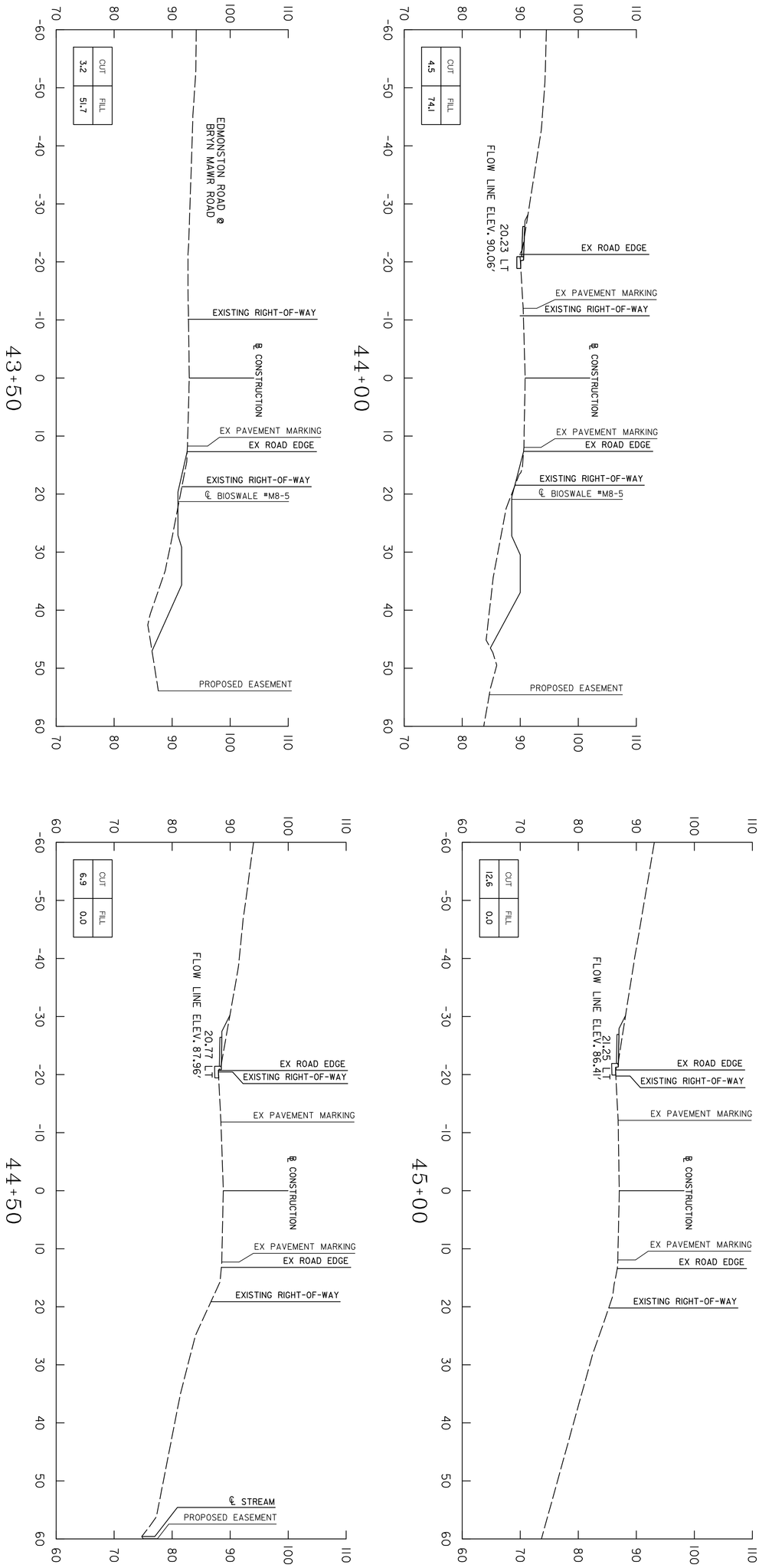
DRAWING TITLE
CROSS SECTIONS
STATION 41+50 TO STATION 43+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAIR
NO. 20782
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-13	13 OF 16



DRAWING CS-14

SHEET 14 OF 16

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

SEAL: STATE OF MARYLAND GREGORY WAHLERSTEDT 20702 REGISTERED PROFESSIONAL ENGINEER

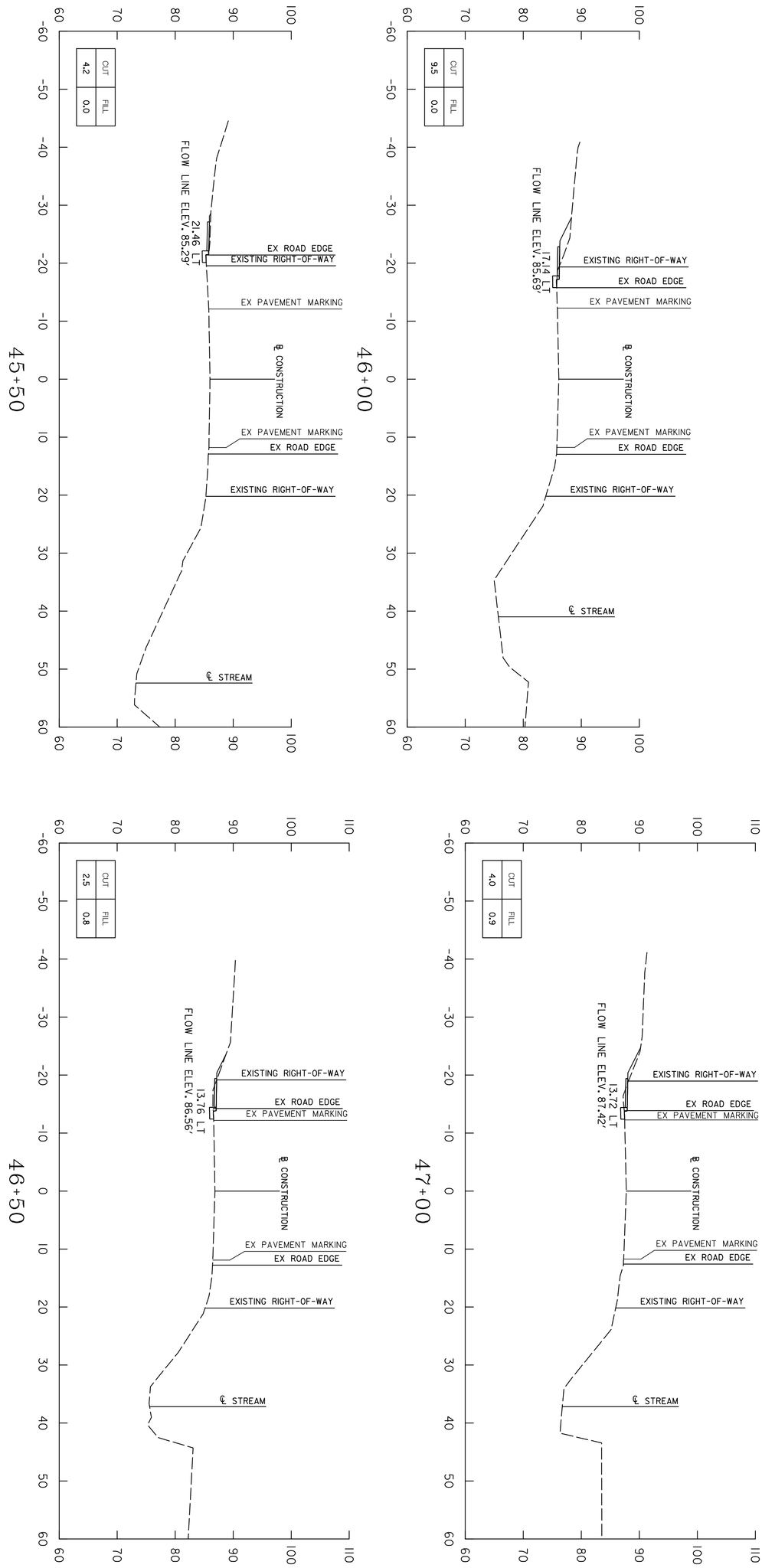
DRAWING TITLE
CROSS SECTIONS
STATION 43+50 TO STATION 45+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

GPI www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

DATE	REVISIONS



DRAWING CS-15

SHEET 15 OF 16

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

SEAL: STATE OF MARYLAND GREGORY WAYNE FLOYD No. 20702 REGISTERED PROFESSIONAL ENGINEER

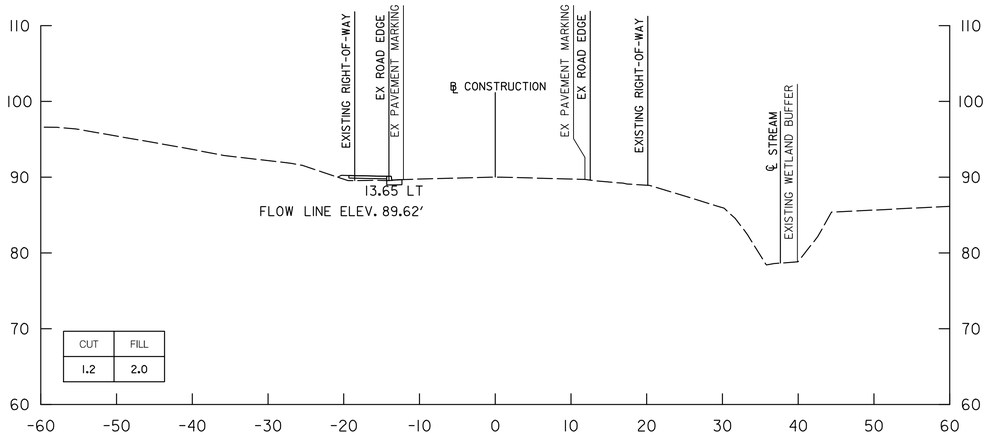
DRAWING TITLE
CROSS SECTIONS
STATION 45+50 TO STATION 47+00

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

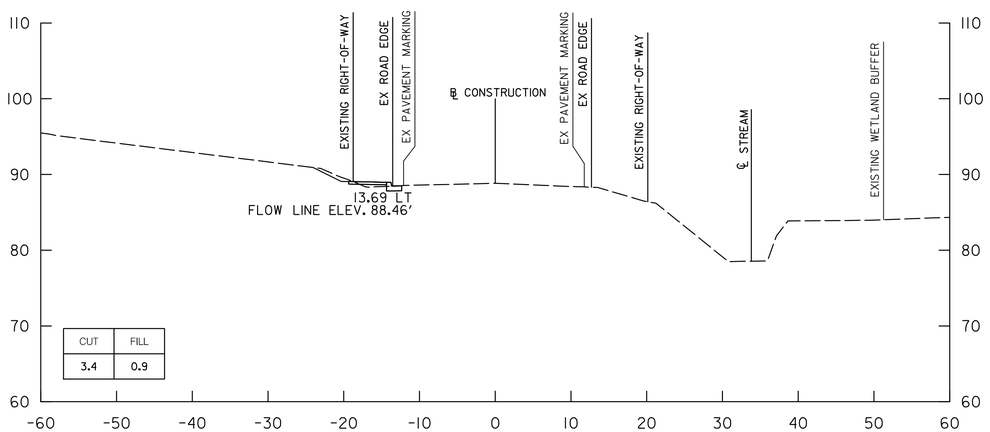
GPI www.gpinet.com
Engineering | Design | Planning | Construction Management
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

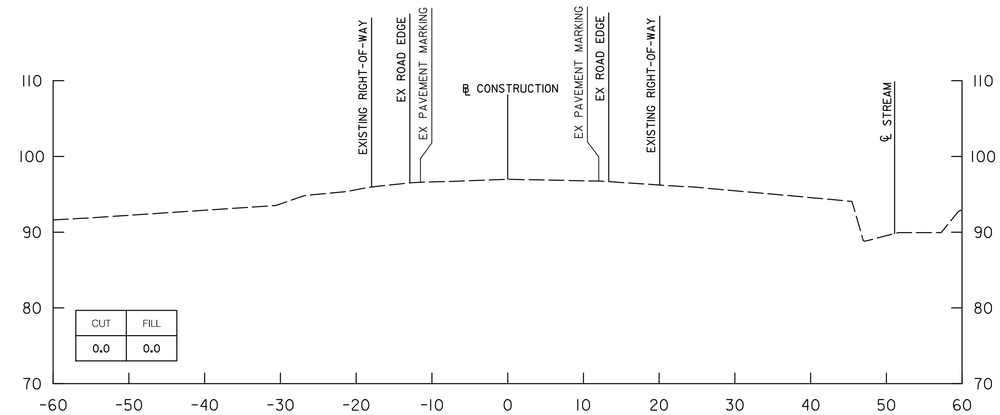
DATE	REVISIONS



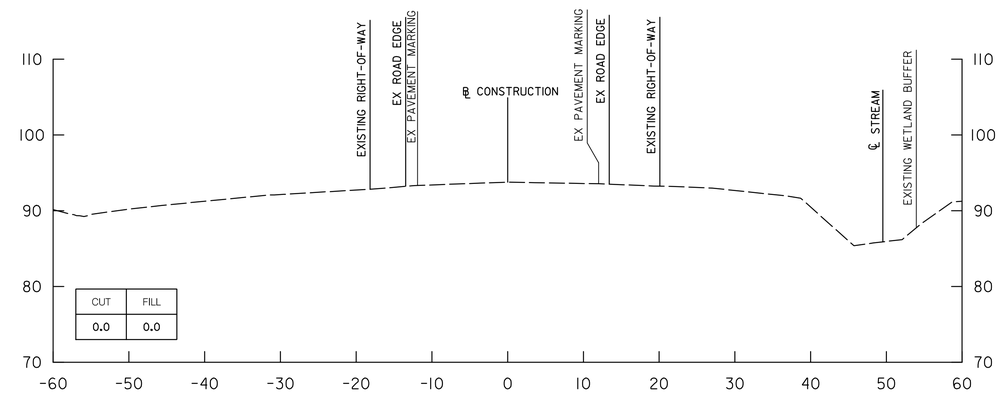
48+00



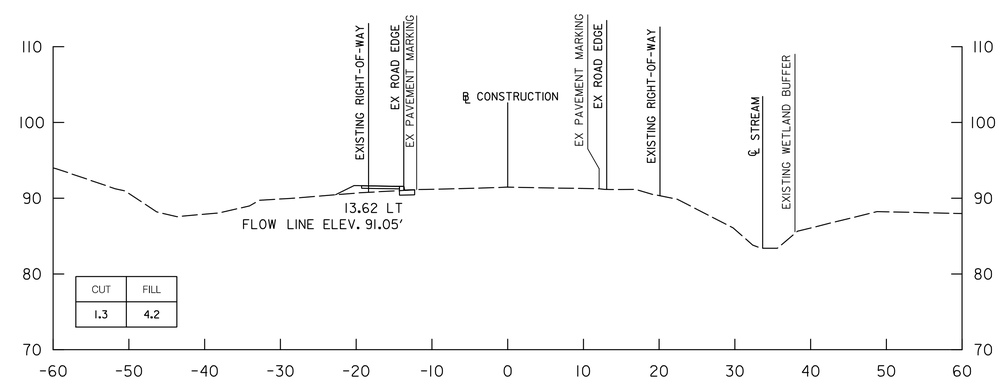
47+50



49+50



49+00



48+50

DATE	REVISIONS

OWNER / DEVELOPER:
CITY OF COLLEGE PARK
9217 51ST AVENUE
COLLEGE PARK, MARYLAND, 20740
240.487.3597
ATTN.: STEVEN HALPERN, P.E.

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Engineering | Design | Planning | Construction Management
www.gpinet.com
Greenman-Pedersen, Inc.
11000 Broken Land Parkway, Suite 500
Columbia, MD 21044
Tel: 410.880.3055

DRAWING TITLE
CROSS SECTIONS
STATION 47+50 TO STATION 49+50

PROJECT
EDMONSTON ROAD SIDEWALK
21st ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

SEAL:
STATE OF MARYLAND
GREGORY WAYNE FLAR
NO. 20782
REGISTERED
PROFESSIONAL ENGINEER

DRAFTING: ADW CHECKED: GWF
PLOT DATE: FEBRUARY, 2022
SCALE: 1" = 10'
PROJECT NUMBER: 2019063.07

DRAWING	SHEET
CS-16	16 OF 16