STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

PROJECT NARRATIVE

THIS SITE PLAN PROPOSES TO MILL AND OVERLAY A PORTION OF AN EXISTING ASPHALT PARKING LOT, RE-GRADE A PORTION OF THE PARKING LOT AND RE-PAVE, ADD PERMEABLE PAVEMENT SIDEWALK AND ADD MULTIPLE BIO-RETENTION AREAS. STORMWATER MANAGEMENT REQUIREMENTS WILL BE MET WITH BEST MANAGEMENT PRACTICES (BMPS) INCLUDING THE PROPOSED BIO-RETENTION BASINS AND SIDEWALK PERMEABLE PAVEMENT. THERE WILL BE NO INCREASE IN STORMWATER FLOWS AND TOTAL IMPERVIOUS AREA WILL BE DECREASED FROM THE EXISTING CONDITION. THE PROPOSED PROJECT WILL DISTURB APPROXIMATELY 36,574 SQUARE FEET. NO STEEP SLOPES EXIST ON THE SITE. THE SITE IS IN THE ANACOSTIA RIVER WATERSHED, WHICH HAS AN ESTABLISHED TMDL FOR SEDIMENT. THE SITE IS NOT LOCATED WITHIN A TIER II CATCHMENT.

PROJECT PHASIN

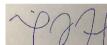
THE PROJECT WILL BE PHASED INTO TWO PHASES WHICH WILL ALLOW MOTORISTS TO UTILIZE THE PARK FACILITIES AND ALLOW PUBLIC WORKS EMPLOYEES TO ACCESS THE PUBLIC WORKS BUILDING THROUGHOUT THE DURATION OF CONSTRUCTION. PARKING WILL BE LIMITED THROUGHOUT CONSTRUCTION.

THE PROPOSED PARKING LOT CONTAINS TWO DRIVE AISLES, A NORTHERN AND A SOUTHERN, WITH PARKING SPACES ON EITHER SIDE OF EACH DRIVE AISLE. PHASE I WILL CONSIST OF CLOSING THE NORTHERN DRIVE AISLE, WHILE LEAVING THE PARK ENTRANCE AND SOUTHERN DRIVE AISLE OPEN FOR VEHICULAR TRAFFIC TO ACCESS THE PARK AMENITIES, RECYCLING STATION AND PUBLIC WORKS BUILDING. DURING THIS TIME, PARKING ALONG THE SOUTHERN DRIVE AISLE WILL BE LOCATED ALONG THE PROPOSED PARKING NEAREST TO THE PROPOSED PERMEABLE SIDEWALK. THIS PHASE WILL BE THE LARGEST PROJECT PHASE, WHICH WILL INCLUDE THE CONSTRUCTION OF THE BIO-RETENTION BASINS IN DRAINAGE AREAS 1, 3, 4 & 5 AND THEIR UNDERDRAIN SYSTEMS.

PHASE II WILL CONSIST OF CLOSING THE SOUTHERN DRIVE AISLE AND OPENING THE NORTHERN DRIVE AISLE TO ALLOW MOTORISTS TO PARK IN THE NEWLY CONSTRUCTED SPACES. THE NORTHERN DRIVE AISLE WILL ALLOW VEHICULAR TRAFFIC TO ACCESS THE PARK AMENITIES, RECYCLING STATION AND PUBLIC WORKS BUILDING. ONCE THE REMAINING BIO-RETENTION AREAS AND PERMEABLE PAVEMENT AND ADDITIONAL PROPOSED SITE FEATURES ARE INSTALLED, THE SOUTHERN DRIVE AISLE WILL BE REOPENED.

CONSULTANT'S CERTIFICATE

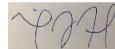
I HEREBY CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PRINCE GEORGE'S SOIL CONSERVATION DISTRICT AND STANDARDS AND SPECIFICATIONS FOR SOIL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



3/19/20

PROFESSIONAL CERTIFICATION

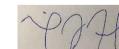
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 05-47020, EXPIRATION DATE: 7-9-2021.



3/19/20

DATE:

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.



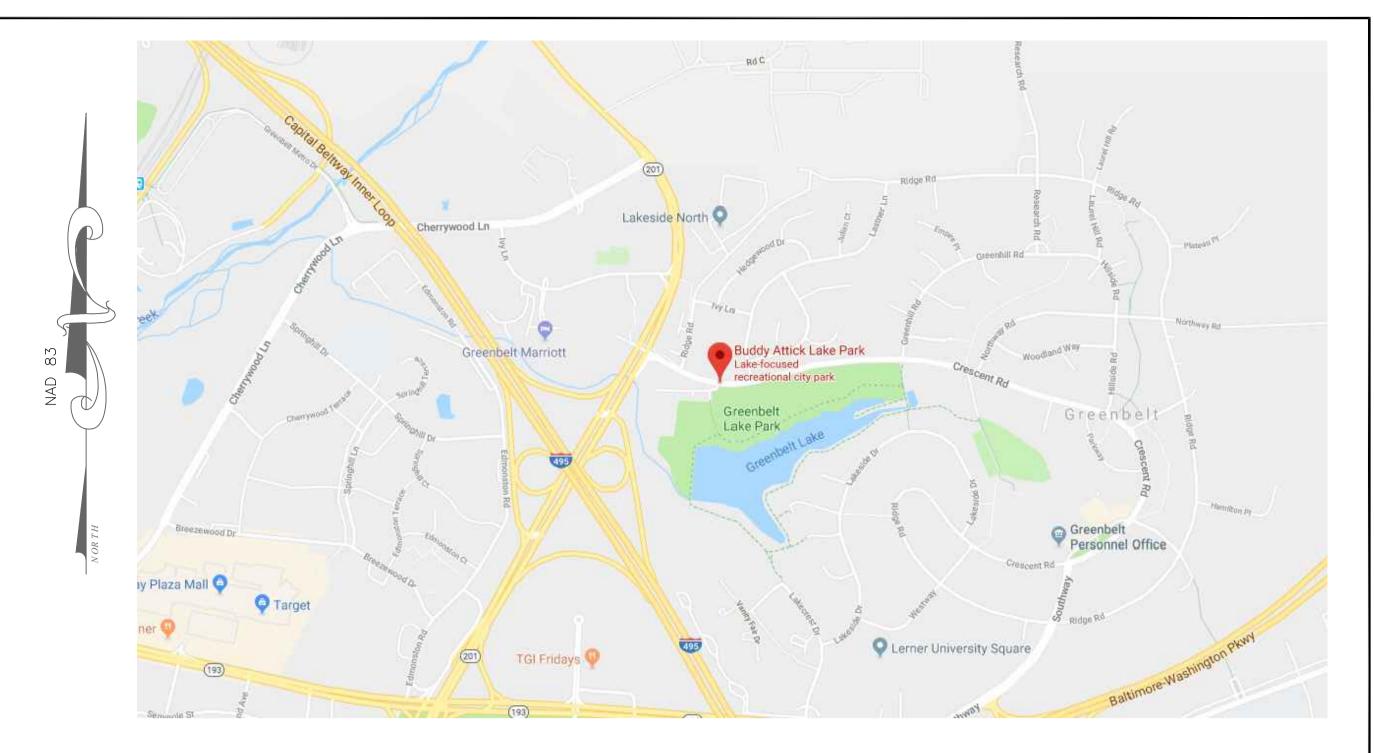
3/19/20

DATE:

SOIL 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.

"MISS UTILITY" NOTE

CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION.

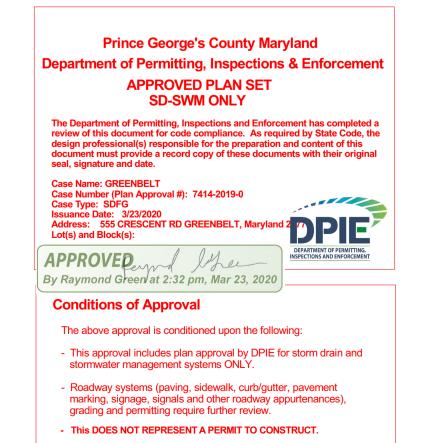


VICINITY MAP

SCALE: 1"=1000'

COVER SHEET FINAL SITE AND FINE GRADING PLAN FOR BUDDY ATTICK LAKE PARK PARKING LOT

555 CRESCENT ROAD GREENBELT, PRINCE GEORGE'S CO., MARYLAND March 19, 2020



SHEET INDEX:

| CIVP-CDP0000 | COVER SHEET |
|--------------|---|
| CIVP-CDP1000 | EXISTING CONDITIONS/DRAINAGE AREA PLAN |
| CIVP-CDP3000 | STORMWATER MANAGEMENT PLAN & GRADING PLAN |
| CIVP-CDP3100 | STORMWATER MANAGEMENT DETAILS |
| CIVP-CDP3200 | STORMWATER MANAGEMENT DETAILS |
| CIVP-CDP4000 | VEHICLE TURNING AND PAVEMENT RESURFACING PLAN |
| LSLP-DSP1000 | TREE PLANTING PLAN |
| LSLP-DSP2000 | PLANTING PLAN |
| LSLP-DSP3000 | PLANTING DETAILS & SCHEDULE |
| LSLP-DSP4000 | PLANTING MAINTENANCE GUIDELINES |
| | |

| SOILS TABLE | | | | |
|-------------|---------------------|--|--|----|
| SOIL | HYDROLOGIC GROUP | DESCRIPTION | | Sl |
| CdD | D | Christiana—Downer—Urban land complex, 5 to 15 percent slopes | | |



Civil Engineer:

Greening Urban, LLC
1346 Florida Avenue NW
Washington DC, 20009
(202) 558-4491
greeningurban.com



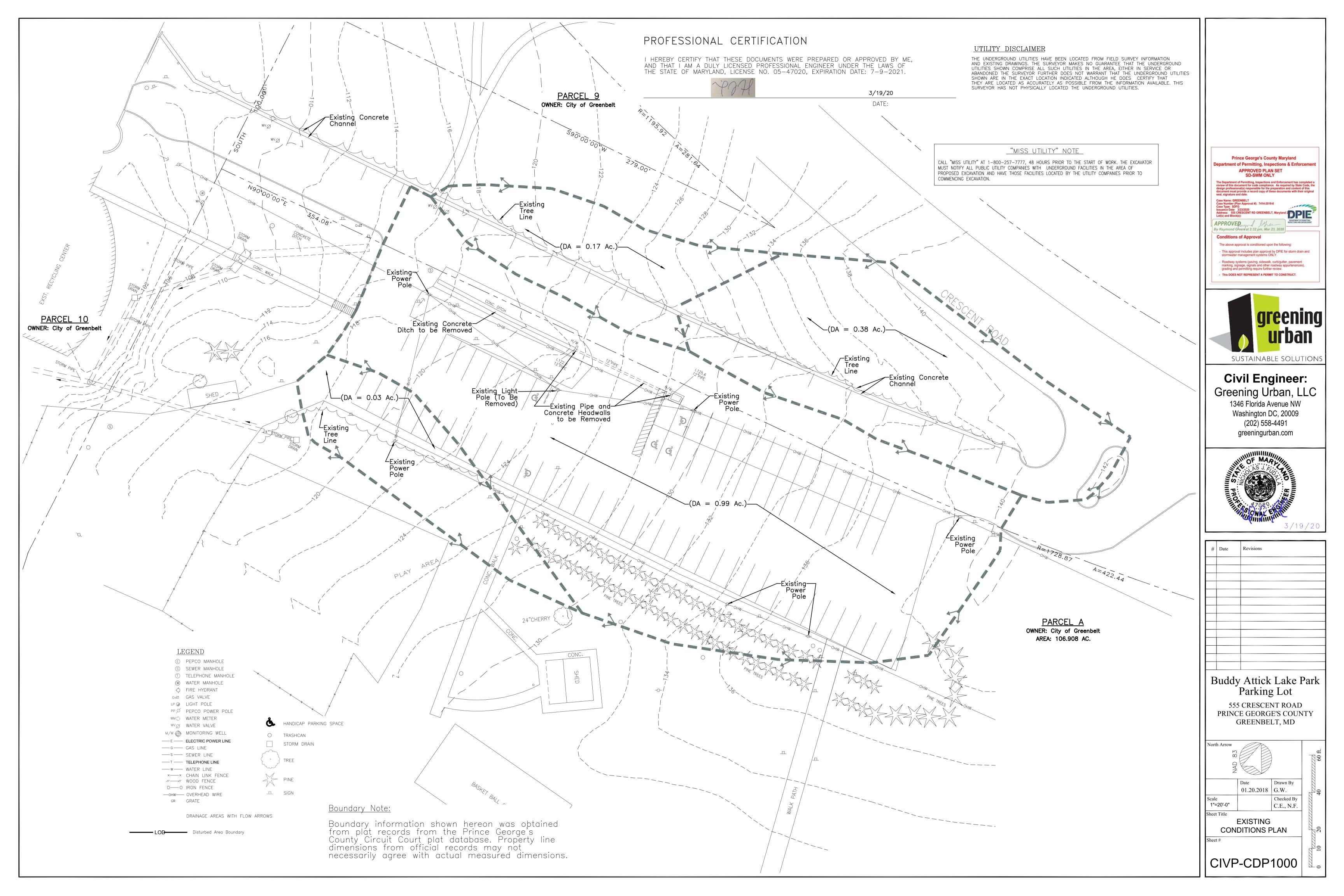
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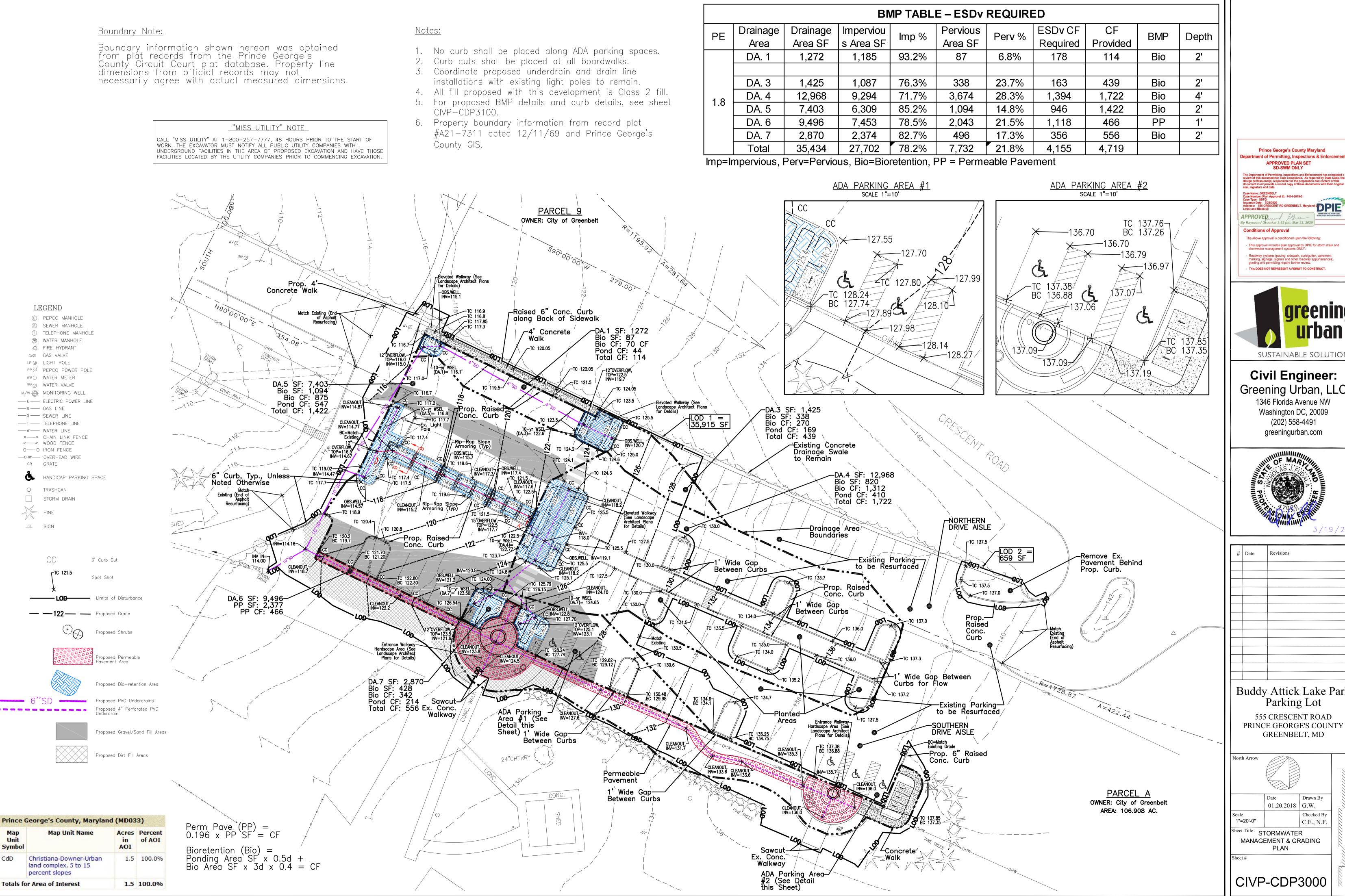
Buddy Attick Lake Park Parking Lot

555 CRESCENT ROAD PRINCE GEORGE'S COUNTY GREENBELT, MD

| North Arrow | | |
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| | | |
| | | |
| | Date | Drawn By |
| | 01.20.2018 | G.W. |
| Scale | | Checked By |
| | | C.E., N.F. |
| Sheet Title | | |
| CO | VER SHE | ET |

CIVP-CDP0000





APPROVED PLAN SET SD-SWM ONLY Case Type: SUPG
Issuance Date: 3/23/2020
Address: 555 CRESCENT RD GREENBELT, Maryland 2
DIE
Lot(s) and Block(s): APPROVED Ly

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.



Civil Engineer: Greening Urban, LLC

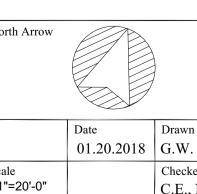
1346 Florida Avenue NW Washington DC, 20009 (202) 558-4491 greeningurban.com



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| B | Ruddy | Attick Lake Park |

Duddy Amer Lake Falk Parking Lot

555 CRESCENT ROAD PRINCE GEORGE'S COUNTY GREENBELT, MD



C.E., N.F. Sheet Title STORMWATER MANAGEMENT & GRADING

CIVP-CDP3000

GENERAL STORM DRAIN NOTES

1) ALL STORM DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE STORMWATER STANDARDS AND SPECIFICATIONS OF PRINCE GEORGE'S COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES, UNLESS OTHERWISE NOTED.

2) FOR TYPES OF STRUCTURES REFER TO THE LATEST STORMWATER MANAGEMENT STANDARD DETAILS, DER (SWMSD), UNLESS OTHERWISE NOTED.

3) INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF THE UTILITIES BY DIGGING TEST PITS AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED, CONTACT THE ENGINEER, AND THE OWNER OF OTHER INVOLVED UTILITY BEFORE PROCEEDING WITH CONSTRUCTION.

4) ALL STORM DRAIN PIPES MUST HAVE A MINIMUM OF 1 FOOT COVER.

5) ALL INLETS TOP SLAB FRONT FACES SHALL BE PAINTED WITH THE FOLLOWING CHESAPEAKE BAY DRAINAGE, "DON'T DUMP" (STANDARD 82.0).

6) CONTRACTORS SHALL ADJUST ALL EXISTING UTILITIES AS NEEDED TO CONSTRUCT PROPOSED ROAD IMPROVEMENTS. ADJUSTMENTS MAY INCLUDE BUT NOT LIMITED TO MANHOLE COVERS, VALVES, FIRE HYDRANTS, STORM DRAIN INLETS, STREET LIGHTS, TRAFFIC SIGNALS STRUCTURES, UTILITY POLES, SIDEWALKS, BURIED UTILITY



PRODUCT: PERMEABLE FLYER PAVER

DIMENSIONS: 4 岃 W x 9" L x 3" THICK (VEHICULAR GRADE) COLOR(S): CHARCOAL AND LIMESTONE GRAY, TUDOR FINISH

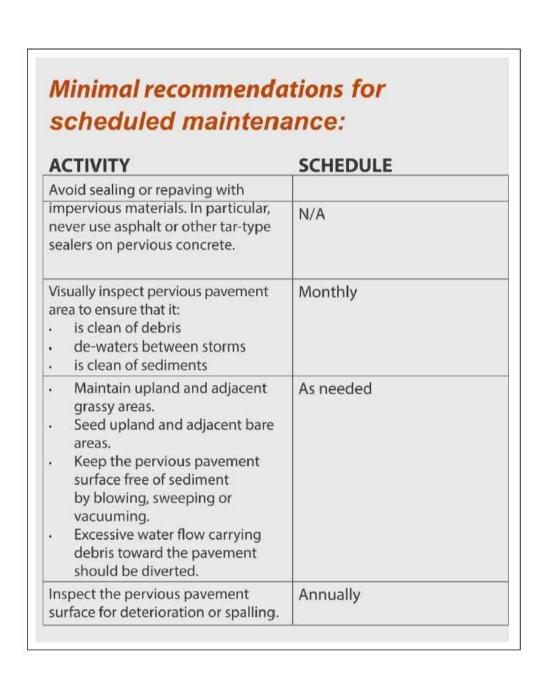
MATERIAL(S): PREST CONCRETE

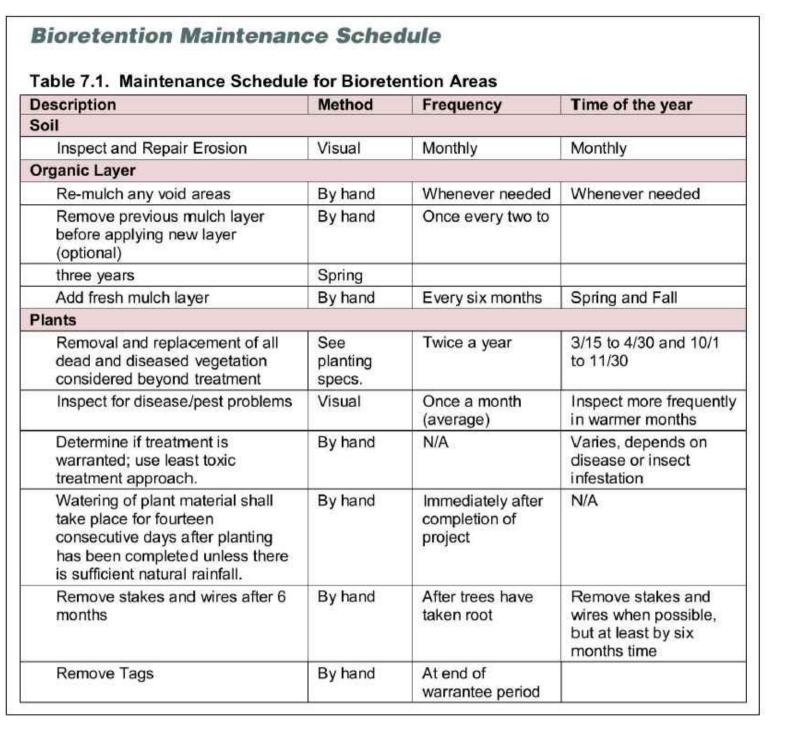
MANUFACTURER: HANOVER ARCHITECTURAL PRODUCTS

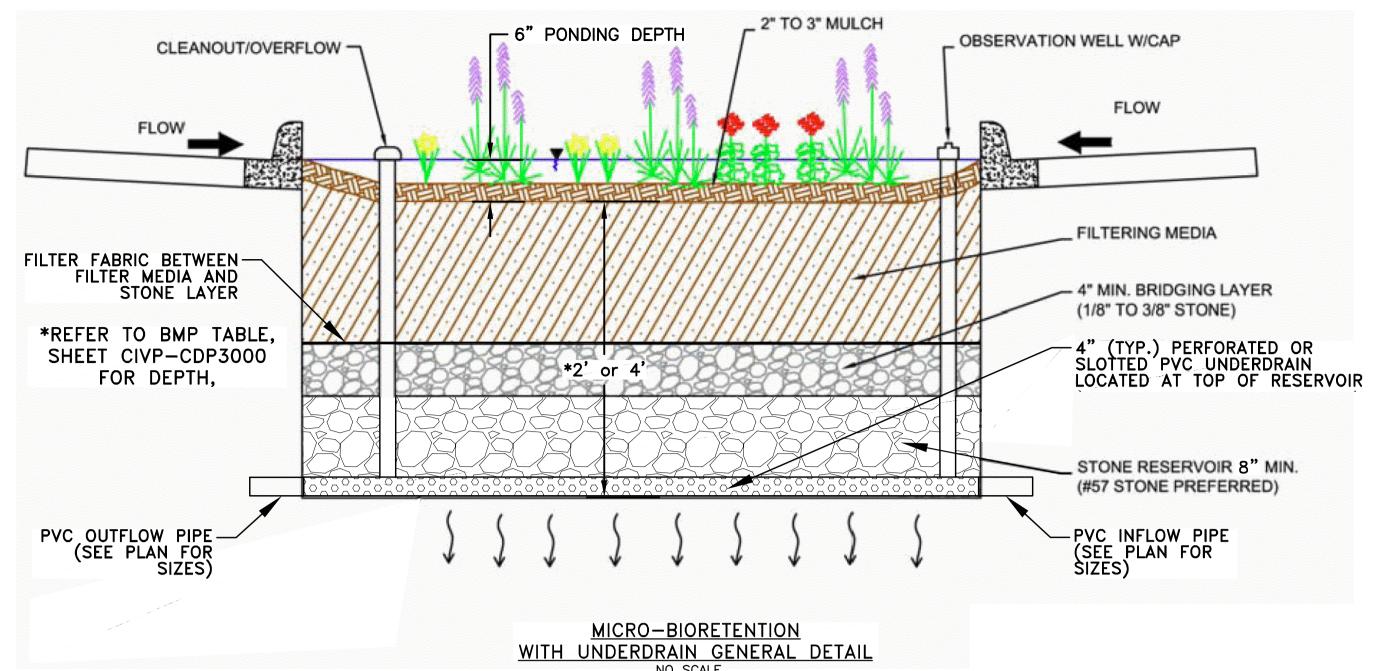
CONTACT INFO: 5000 HANOVER ROAD HANOVER, PA 17331 (717) 637.0500

PERMEABLE PAVERS *

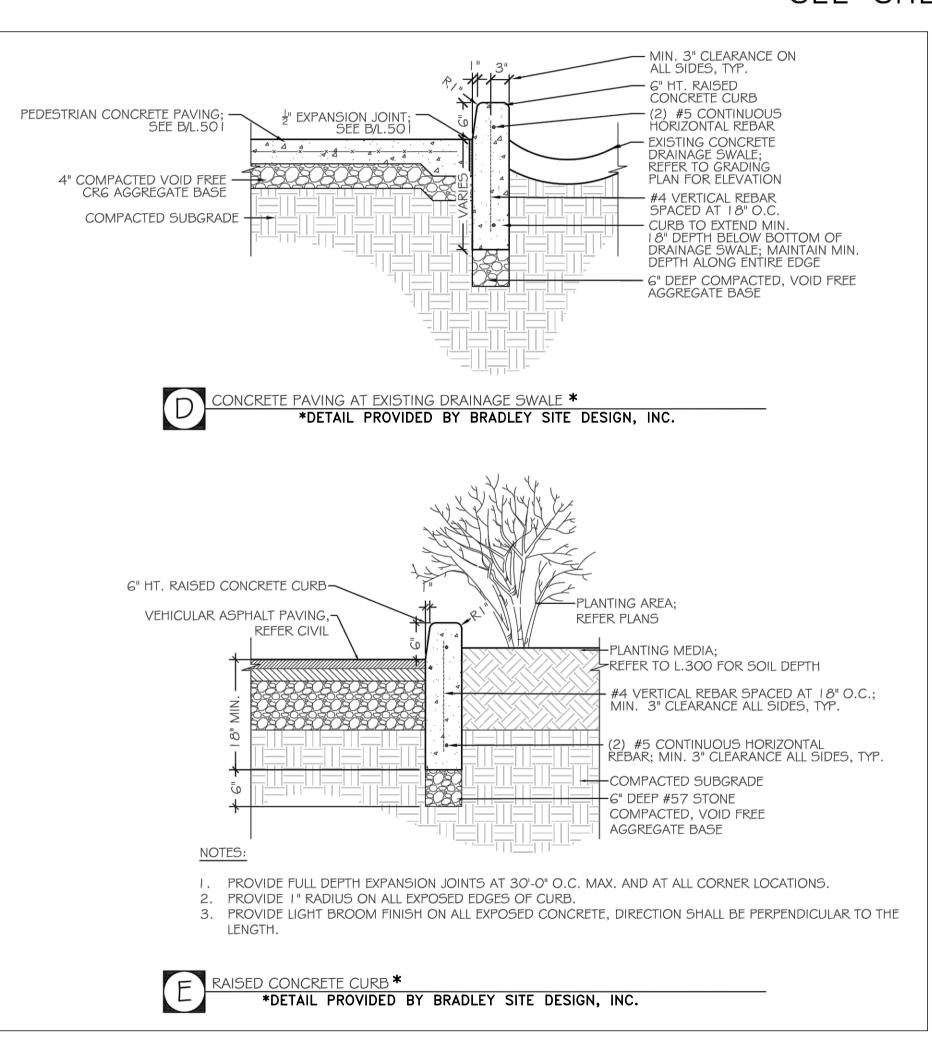
*DETAIL PROVIDED BY BRADLEY SITE DESIGN, INC.

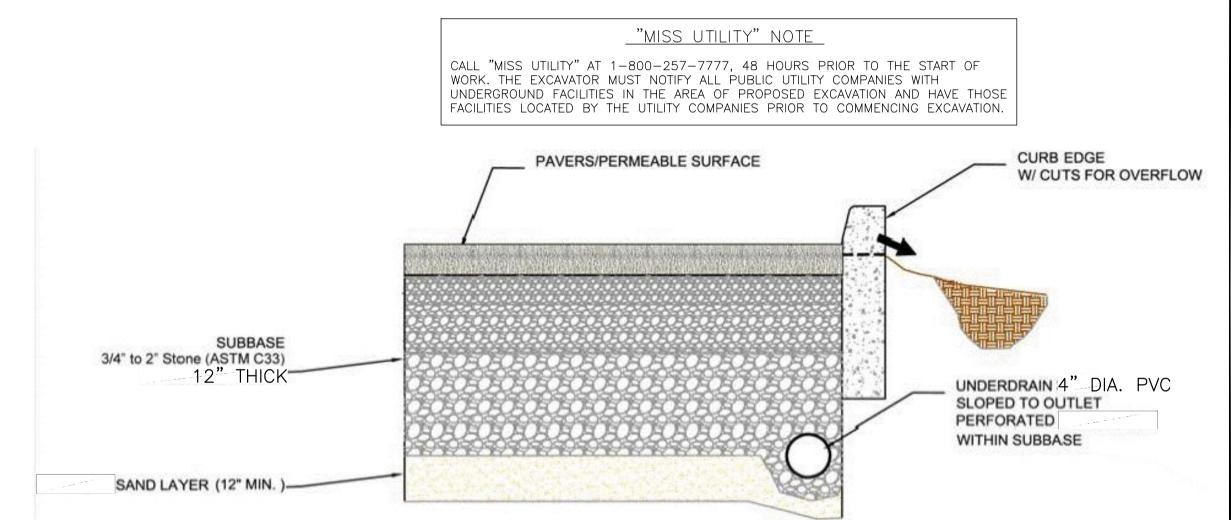






SEE SHEET CIVP-CDP3200 FOR BIO-RETENTION CROSS SECTION PROFILES





Nyoplast Drainage Grates for Bio-Retention

Nyloplast (866) 888-8479 / (770) 932-2443 • Fax: (770) 932-2490 © Nyloplast Inlet Capacity Charts June 2012

−6"RAISED*−*

CONCRETE CURB

6" X 3' CURB — CUT OPENING

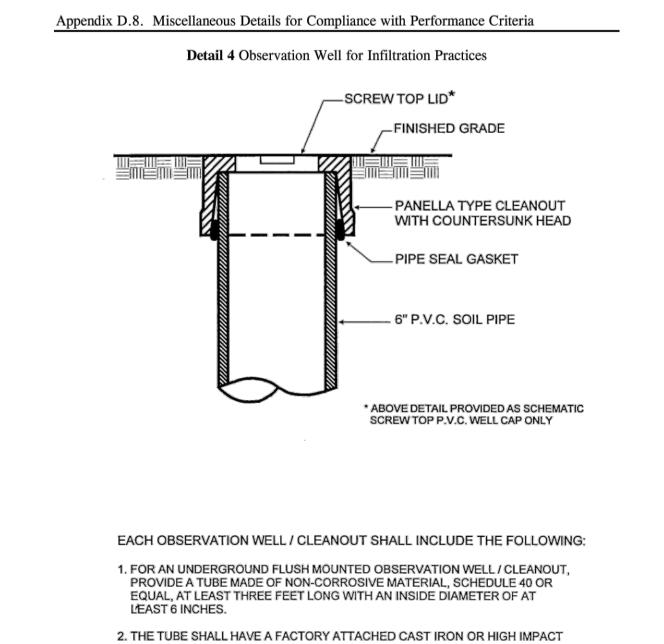
CURB CUT DETAIL

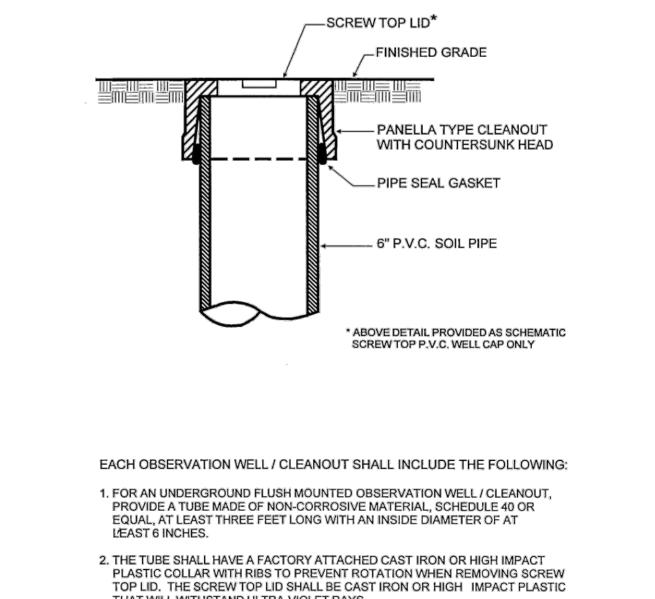
NO SCALE

EDGE OF-PAVEMENT/

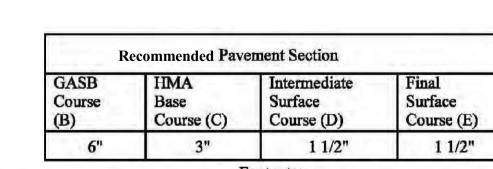
FLOW LINE

PERMEABLE PAVEMENT WITH UNDERDRAIN CROSS-SECTION NO SCALE





OBSERVATION WELL DETAIL



- A. See Tables I-3, I-4, I-5, I-6, I-7, I-8 and I-9 of Section I "Roadway Development Guidelines" for subgrade criteria.
 B. Graded Aggregate Subbase (GASB). See Section II "Technical Specifications."
- C. Superpave Mixture Hot Mix Asphalt (HMA) base, 19mm, PG 64-22. See Section II "Technical Specifications."
 D. Superpave Mixture Hot Mix Asphalt (HMA) surface, 9.5mm, PG 64-22. See Section II "Technical Specifications." Transit route: Superpave Mixture Hot Mix Asphalt (HMA) surface, 9.5mm, PG 70-22. See Section II "Technical
- Specifications" E. Superpave Mixture Hot Mix Asphalt (HMA) surface, 9.5mm, PG 64-22. See Section II "Technical Specifications." Transit route: Superpave Mixture Hot Mix Asphalt (HMA) surface, 9.5mm, PG 70-22. See Section II "Technical Specifications"

Revision 03/14/12 Specifications and Standards for Roadways and Bridges Section III – 7

CIVP-CDP3100

STORMWATER

MANAGEMENT DETAILS

North Arrow

Prince George's County Maryland

APPROVED PLAN SET

SD-SWM ONLY

Case Name: GREENBELT Case Number (Plan Approval #): 7414-2019-0 Case Type: SDFG

APPROVED When

The above approval is conditioned upon the following:

Conditions of Approval

epartment of Permitting, Inspections & Enforcement

he Department of Permitting, Inspections and Enforcement has completed a sview of this document for code compliance. As required by State Code, the seign professional(s) responsible for the preparation and content of this ocument must provide a record copy of these documents with their original

Case Type: SDFG Issuance Date: 3/23/2020 Address: 555 CRESCENT RD GREENBELT, Maryland 2 DPLE Lot(s) and Block(s):

This approval includes plan approval by DPIE for storm drain and stormwater management systems ONLY.

SUSTAINABLE SOLUTION

Civil Engineer:

Greening Urban, LLC

1346 Florida Avenue NW

Washington DC, 20009

(202) 558-4491

greeningurban.com

OF MARL

Buddy Attick Lake Park

Parking Lot

555 CRESCENT ROAD PRINCE GEORGE'S COUNTY GREENBELT, MD

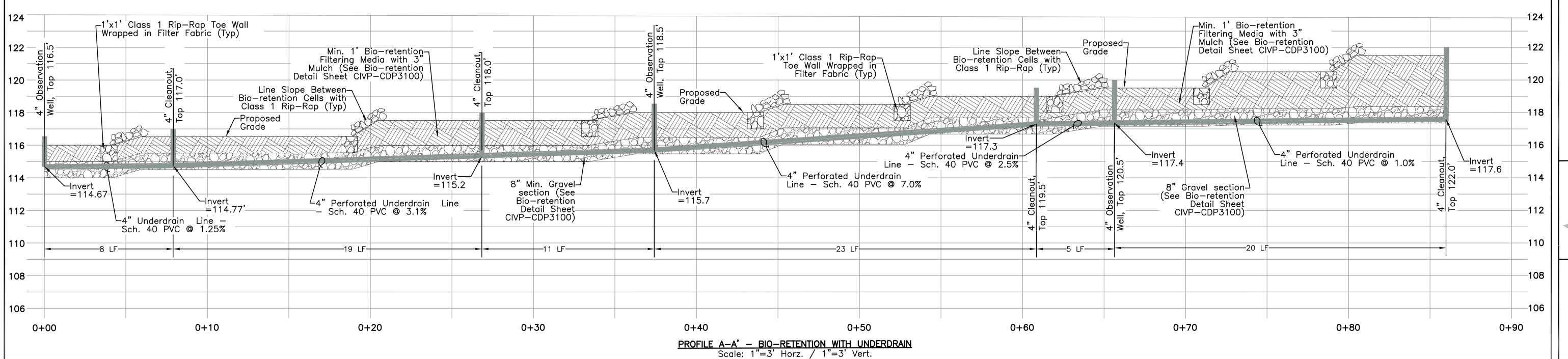
01.20.2018 G.W.

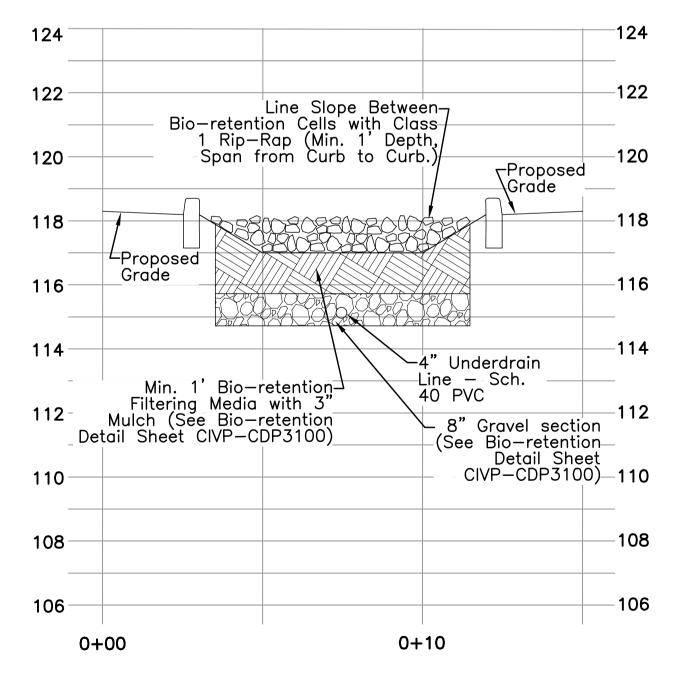
Drawn By

C.E., N.F.

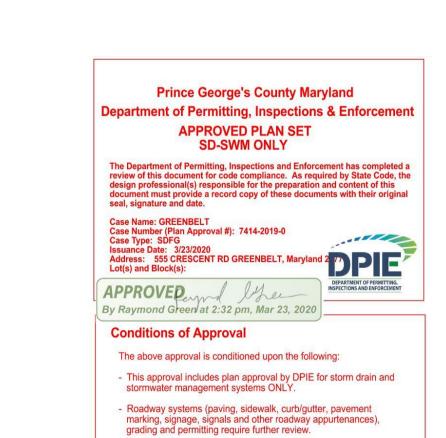
Roadway systems (paving, sidewalk, curb/gutter, pavement marking, signage, signals and other roadway appurtenances), grading and permitting require further review.

This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.





PROFILE B-B' - BIO-RETENTION WITH UNDERDRAIN
Scale: 1"=3" Horz. / 1"=3" Vert.



- This DOES NOT REPRESENT A PERMIT TO CONSTRUCT.

"MISS UTILITY" NOTE

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Civil Engineer: Greening Urban, LLC 1346 Florida Avenue NW Washington DC, 20009 (202) 558-4491

greeningurban.com



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Buddy Attick Lake Park Parking Lot

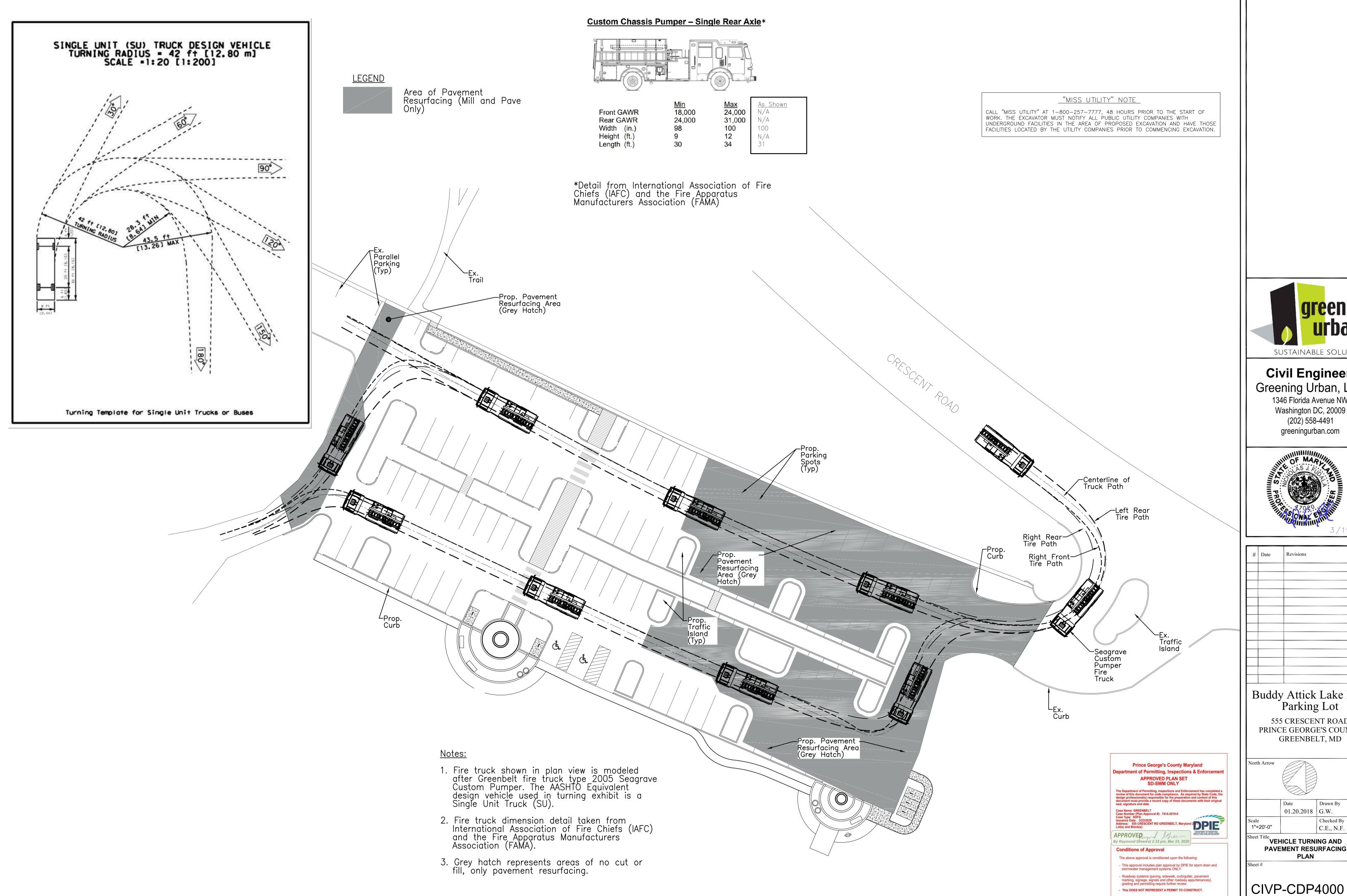
555 CRESCENT ROAD PRINCE GEORGE'S COUNTY GREENBELT, MD

North Arrow

Date Drawn By 01.20.2018 G.W.
Checked By C.E., N.F.

Sheet Title
STORMWATER
MANAGEMENT DETAILS

CIVP-CDP3200

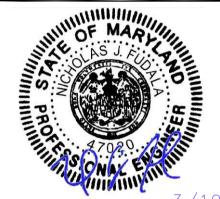




SUSTAINABLE SOLUTIONS

Civil Engineer: Greening Urban, LLC 1346 Florida Avenue NW

Washington DC, 20009 (202) 558-4491 greeningurban.com



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Buddy Attick Lake Park

555 CRESCENT ROAD PRINCE GEORGE'S COUNTY GREENBELT, MD

