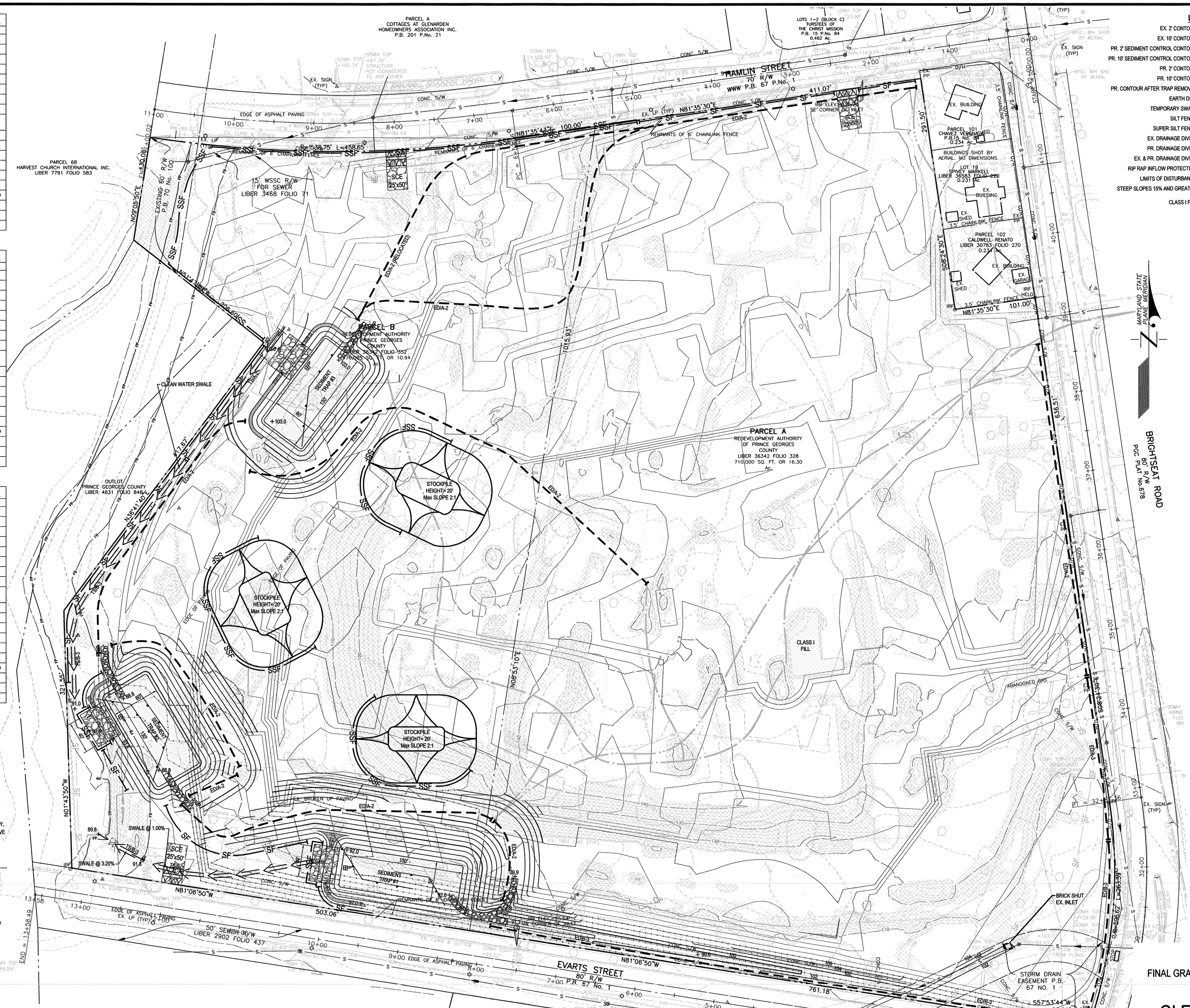
STONE/RIPRAP OUTLET SEDIMENT TRAP ST-II, TRAP NO.	1	
DRAINAGE AREA - INITIAL	9.6	ACRES
DRAINAGE AREA - INTERIM	N/A	ACRES
DRAINAGE AREA - FINAL	10.0	ACRES
TOTAL STORAGE REQUIRED	36,000	CF
TOTAL STORAGE PROVIDED	40,752	CF
WET STORAGE REQUIRED	18,000	CF
WET STORAGE PROVIDED	18,714	CF
DRY STORAGE REQUIRED	18,000	CF
DRY STORAGE PROVIDED	22,038	CF
EXISTING GROUND ELEVATION AT OUTLET (WET STORAGE ELEVATION)	94.1	FT
TRAP BOTTOM ELEVATION	92.0	FT
TRAP BOTTOM DIMENSIONS	150'x50'	FT x FT
WEIR LENGTH	40.0	FT
WEIR CREST (DRY STORAGE) ELEVATION	94.1	FT
CLEANOUT ELEVATION	93.0	FT
TOP OF EMBANKMENT ELEVATION	97.0	FT
SIDE SLOPE	3:1	H:V RATIO
EMBANKMENT TOP WIDTH	4.0	FT
OUTLET PROTECTION - LENGTH	10.0	FT
OUTLET PROTECTION - DEPTH	19.0	IN

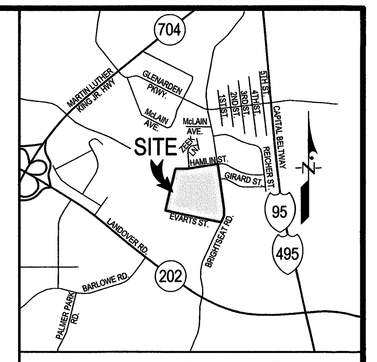
STONE/RIPRAP OUTLET SEDIMENT TRAP ST-II, TRAP NO.	2	
DRAINAGE AREA - INITIAL	10.0	ACRES
DRAINAGE AREA - INTERIM	N/A	ACRES
DRAINAGE AREA - FINAL	8.0	ACRES
TOTAL STORAGE REQUIRED	36,000	CF
TOTAL STORAGE PROVIDED	41,472	CF
WET STORAGE REQUIRED	18,000	CF
WET STORAGE PROVIDED	18,168	CF
DRY STORAGE REQUIRED	18,000	CF
DRY STORAGE PROVIDED	23,304	CF
EXISTING GROUND ELEVATION AT OUTLET (WET STORAGE ELEVATION)	90.8	FT
TRAP BOTTOM ELEVATION	88.8	FT
TRAP BOTTOM DIMENSIONS	130'x60'	FT x FT
WEIR LENGTH	40.0	FT
WEIR CREST (DRY STORAGE) ELEVATION	92.8	FT
CLEANOUT ELEVATION	89.8	FT
TOP OF EMBANKMENT ELEVATION	93.8	FT
SIDE SLOPE	3:1	H:V RATIO
EMBANKMENT TOP WIDTH	4.0	FT
OUTLET PROTECTION - LENGTH	10.0	FT
OUTLET PROTECTION - DEPTH	19.0	IN

STONE/RIPRAP OUTLET SEDIMENT TRAP ST-II, TRAP NO.	3	
DRAINAGE AREA - INITIAL	9.2	ACRES
DRAINAGE AREA - INTERIM	N/A	ACRES
DRAINAGE AREA - FINAL	10.0	ACRES
TOTAL STORAGE REQUIRED	36,000	CF
TOTAL STORAGE PROVIDED	41,472	CF
WET STORAGE REQUIRED	18,000	CF
WET STORAGE PROVIDED	18,168	CF
DRY STORAGE REQUIRED	18,000	CF
DRY STORAGE PROVIDED	23,304	CF
EXISTING GROUND ELEVATION AT OUTLET (WET STORAGE ELEVATION)	105.0	FT
TRAP BOTTOM ELEVATION	103.0	FT
TRAP BOTTOM DIMENSIONS	130'x60'	FT x FT
WEIR LENGTH	40.0	FT
WEIR CREST (DRY STORAGE) ELEVATION	107.0	FT
CLEANOUT ELEVATION	104.0	FT
TOP OF EMBANKMENT ELEVATION	108.0	FT
SIDE SLOPE	3:1	H:V RATIO
EMBANKMENT TOP WIDTH	4.0	FT
OUTLET PROTECTION - LENGTH	10.0	FT
OUTLET PROTECTION - DEPTH	19.0	IN



LEGEND

- EX. 2' CONTOUR
- EX. 10' CONTOUR
- PR. 2' SEDIMENT CONTROL CONTOUR
- PR. 10' SEDIMENT CONTROL CONTOUR
- PR. 2' CONTOUR
- PR. 10' CONTOUR
- PR. CONTOUR AFTER TRAP REMOVAL
- EARTH DIKE
- TEMPORARY SWALE
- SILT FENCE — SF
- SUPER SILT FENCE — SSF
- EX. DRAINAGE DIVIDE
- PR. DRAINAGE DIVIDE
- EX. & PR. DRAINAGE DIVIDE
- RIP RAP INFLOW PROTECTION — RRIP
- LIMITS OF DISTURBANCE
- STEEP SLOPES 15% AND GREATER
- CLASS I FILL



VICINITY MAP

SCALE: 1" = 2000'
ADC MAP BOOK: 5531 C-2/3
WSSC 200' SHEET: 204 NE 08

SEDIMENT CONTROL GENERAL NOTES

1. "I hereby certify that this plan conforms to Subtitle 32, Division 2 of the Prince George's County Building Code and that I have inspected this site and that drainage flows from other uphill properties onto this site, and from this site onto other downhill properties, have been addressed in substantial accordance with applicable codes."
2. It is the applicant's responsibility to obtain any State permits, if required, for any construction activity covered by this plan which impacts a State regulated wetland. Any changes to plans for this development, whether required by the State or required by the applicant to meet State requirements, must be approved by PGSCD.
3. Stakeout from this plan shall be for sediment control devices and grading only.
4. Call "Miss Utility" at 1-800-257-7777 forty-eight (48) hours prior to beginning excavation to determine the location of existing facilities. The "Miss Utility" Verification Number (ticket number) must be updated every ten (10) days.
5. Upon completion of the work, site grading, drainage, property corner and landscape observations and certifications must be preformed by a licensed professional, confirming that all work has been completed in accordance with the permit, approved plans, and codes. These certifications are required to finalize the permit and release bonds.
6. All grades, elevations, earth quantities, etc., are to be verified by the contractor. Any earth quantities shown or implied are measured to final grade and are approximate. No allowance has been made for unsuitable material encountered during construction. Suitability of soil for use in fill areas or stability of cut areas, compaction, etc., should be determined by a soils engineer.
7. The contractor will be responsible for any damage to the existing structures and underground utilities.
8. The contractor will have sole responsibility for the construction means, methods, and techniques of executing his work, including safety.
9. All proposed load-bearing fills for the support of buildings, walls, and other structures shall be Class I. All fills for the support of roadways, pavements, rigid utility lines and house connections shall be Class II. All landscaped areas, lawns and plantings, or other nonload-bearing uses shall be Class III. Each layer of Class I and Class II fills shall be compacted at optimum moisture content and to a minimum of 95% and 90% respectively of maximum density as determined in the laboratory by the Standard Proctor Test. (AASHTO T-99, ASTM D-698). In place density test shall be provided by a licensed Geotechnical Engineer.
10. The property is zoned: M-X-T
11. The area of the property is: 27.2 acres.
11. The total disturbed area is: 26.3 acres.

PROJECT CONCEPT NARRATIVE

The Redevelopment Authority of Prince George's County is the developer of Glenarden Apartments located in Lanham Maryland. The site is located on the west side of Brightseat Road, between the intersecting road of Evarts Street and Hamlin Street.

The project is a 27.2 acre redevelopment site, zoned M-X-T, and was previously developed as an apartment complex with approximately 13.6 acres (50%) of impervious areas. Since then, the building structures and paving have been removed and the property stabilized. The proposed concept will include rough grading only with no impervious areas and stormwater management proposed at this time. The future development phase will include a new concept with Environmental Site Design methods to the MEP as required.

The site drains to an adjacent floodplain, Cattail Branch to the west of the project site, and is part of the Anacostia River watershed. The project site is not located in a Tier II watershed. The watershed is Category 4a- impaired, TMDL completed for Total Suspended Solids, Phosphorus and Nitrogen. The proposed rough grading will not increase impervious areas for this phase and the current drainage patterns will be maintained.

The areas of steep slopes are limited onsite. The proposed rough grading will regrade site with maximum slopes of 3:1. There is no Marlboro Clay outcrops, as per PgAtlas, but the site is composed of highly erodible soils with slopes greater than five percent with a K-Factor greater than 0.35. The highly erodible soils are CdD (Cristiana-Downer-Urban land complex, 5 to 15 percent slopes) approximately 7% of the site, as designated from the PGSCD Pond Safety Reference Manual.

Areas of land disturbance will be stabilized as the work progresses in conformance with the 2013 stabilization requirements and the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control. Generally permanent or temporary stabilization will be completed within three (3) calendar days for perimeter dikes, swales, ditches and all slopes steeper than 3H:1V; or, within seven (7) calendar days for all other disturbed areas not actively graded. Enhanced sediment control will include longer baffle boards in each sediment trap to increase the inflow travel time through each trap to allow enhanced particle settling time for the limited areas of highly erodible soil.

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

JOSEPH A. BONANNA, PE

MD REGISTRATION NO. 18541

EXPIRATION DATE: 12/27/17

OWNERS / DEVELOPER'S CERTIFICATION

"I/We hereby 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 5/22/2016

Name (printed) STEPHEN J. PAUL Title ASSOC. DIRECTOR

Ph# 301-883-3288 Firm REDEVELOPMENT AUTHORITY OF PRINCE GEORGE'S COUNTY

Complete address 9200 BASIL COURT, SUITE 504
LARGO, MARYLAND 20774

CALL MISS UTILITY
1-800-257-7777
48 hrs, Before Excavation

CONSULTANT'S CERTIFICATION

"I certify that this plan of erosion and sediment control represents a practicable and workable plan based on my personal 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 License# 18541

Print Name JOSEPH A. BONANNO, P.E. Date _____

BEN DYER ASSOCIATES, INC.
11721 WOODMORE ROAD, SUITE 200
MITCHELLVILLE, MD 20721

REFER TO BDAI DWG. NO. 40.005-Z
FOR SEQUENCE OF CONSTRUCTION

WETLAND NOTE

IT IS THE APPLICANT'S RESPONSIBILITY TO OBTAIN ANY STATE PERMITS, IF REQUIRED, FOR ANY CONSTRUCTION ACTIVITY COVERED BY THIS PLAN WHICH IMPACTS A STATE REGULATED WETLAND. ANY CHANGES TO PLANS FOR THIS DEVELOPMENT WHETHER REQUIRED BY THE STATE OR INITIATED BY THE APPLICANT TO MEET STATE REQUIREMENTS, MUST BE APPROVED BY PGSCD.

OWNER/APPLICANT
REDEVELOPMENT AUTHORITY OF
PRINCE GEORGE'S COUNTY
9200 BASIL COURT, SUITE 504
LARGO, MARYLAND 20774
MANAGER: ROSALYN B. CLEMENS
PHONE: 301-883-3288

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

FSC# 130-16 EXPIRATION DATE

POND (P#)

DISTRICT SIGNATURE APPROVAL DATE

FINAL GRADING, EROSION AND SEDIMENT CONTROL PLAN FOR DEMOLITION & ROUGH GRADING PARCELS 'A' & 'B'

GLENARDEN APARTMENTS

KENT DISTRICT No. 13
PRINCE GEORGE'S COUNTY, MARYLAND

GRAPHIC SCALE 1"=50'
0 50' 100' 150'

60

SHEET 1 OF 3

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
JOSEPH A. BONANNO, PE
LICENSE NO. 18541
EXPIRATION DATE: 12/27/17

DATE	DESCRIPTION	BY
6-29-16	BID SET	BMC
	REVISIONS	

11721 WOODMORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000

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DRAWN BY: ZAH DESIGNED BY: LC CHECKED BY: JAB
SCALE: 1"=50' DATE: JUNE, 2016
RECORD NO. J-A62050
DRWG. NO. 40.002-Z

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