

SITE DATA

OWNER (P. 309 & 331)
ALEXANDRIA ONE ASSOCIATES, LP
4733 BETHESDA AVE STE 340
BETHESDA, MD 20814

OWNER (P. 261 & 529)
COUNTY COMMISSIONERS OF CHARLES COUNTY
P.O. BOX 2150
LA PLATA, MD 20646

OWNER (P. 481)
INDIAN HEAD ELDERLY LTD PARTNERSHIP
77 WEST ST STE 210
ANNAPOLIS, MD 21401

ENGINEER/SURVEYOR
VISTA DESIGN, INC.
11634 WORCESTER HWY
SHOWELL, MD 21862
PH: 410-352-3874

SITE LOCATION

TAX MAP: 5
PARCELS: 261, 309, 397, 481, 529

FLOOD ZONE

THIS SITE IS LOCATED WITHIN FLOOD ZONE "C" (AREA OF MINIMAL FLOODING) PER F.I.R.M. MAP #2400890045 B, DATED JUNE 5, 1985

NON-TIDAL WETLANDS

ENVIRONMENTAL RESOURCES, INC. HAS DETERMINED THAT THERE ARE NO WETLANDS DISTURBANCES ON THE SITE.

IMPERVIOUS AREA TREATED BY CONTROL

CONTROL TYPE	AREA (AC.)
DRY SWALE A	0.162
DRY SWALE B	0.565
FILTERRA	0.575
STORM FILTER	8.92

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GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST CHARLES COUNTY DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT SPECIFICATIONS MANUAL, THE LATEST CHARLES COUNTY DETAIL MANUAL AND IN ACCORDANCE WITH CURRENT COUNTY ORDINANCES.
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO ANY EXCAVATION WORK TO LOCATE ALL UTILITIES IN THE WORK AREA. ANY CONFLICTS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE TO HOLD A "PRECONSTRUCTION" MEETING TO INCLUDE THE CONTRACTOR, CHARLES COUNTY INSPECTION PERSONNEL, PUBLIC UTILITIES, AND ANY LOCAL, STATE OR FEDERAL AGENCIES AS REQUIRED PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE CHARLES COUNTY DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT/DEVELOPMENT SERVICES DIVISION 48 HOURS PRIOR TO THE START OF ALL CONSTRUCTION IN ACCORDANCE TO ALL PERMITS ISSUED @ (301) 645-0700.
- MAXIMUM SLOPES SHALL BE NOT GREATER THAN THREE (3) FEET HORIZONTAL TO ONE (1) FOOT VERTICAL OUTSIDE THE ROAD RIGHT-OF-WAY. SLOPES WITHIN THE ROAD RIGHT-OF-WAY SHALL BE NOT GREATER THAN TWO (2) FEET HORIZONTAL TO ONE (1) FOOT VERTICAL, OR AS SPECIFIED IN THE COUNTY ROAD ORDINANCE AND IN THE CHARLES COUNTY DETAIL MANUAL.
- CERTIFIED COMPACTION TESTS ARE REQUIRED FOR ALL TRENCH/FILL WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE COUNTY SPECIFICATIONS MANUAL AND GRADING ORDINANCE. FINAL REPORTS AND CERTIFICATIONS SHALL BE PROVIDED PRIOR TO PRE FINAL INSPECTIONS.
- CERTIFIED COMPACTION TESTS AND GEOTECHNICAL REPORTS SHALL BE SUBMITTED ON A BIWEEKLY BASIS THROUGHOUT THE COURSE OF CONSTRUCTION AS REQUIRED BY THE SPECIFICATIONS MANUAL.
- AS-BUILT PLANS SHALL BE SUBMITTED PRIOR TO FINAL INSPECTIONS.
- WITH APPROVAL FROM THE CHARLES COUNTY SEDIMENT CONTROL INSPECTOR, ALL EROSION AND SEDIMENT CONTROL STRUCTURES MUST BE REMOVED PRIOR TO THE RELEASE OF BONDS.
- PRIOR TO BOND RELEASE, ALL OUTFALLS SHALL BE INSPECTED AND APPROVED BY COUNTY.
- TOPOGRAPHY SHOWN IS AT ONE (1) FOOT CONTOUR INTERVALS AS SURVEYED BY VISTA DESIGN, INC., DATED AUGUST, 2009. THE VERTICAL DATUM IS BASED ON THE NAVD 88 DATUM. THE HORIZONTAL DATUM IS BASED ON THE NAD 83 DATUM.
- THE CONTRACTOR SHALL NOTIFY THE CHARLES COUNTY SEDIMENT CONTROL INSPECTIONS DIVISION AT 301-645-0700, FIVE (5) DAYS PRIOR TO THE START OF WORK, AND UPON COMPLETION WHEN SEDIMENT CONTROL IS READY TO BE REMOVED.
- ALL STREET SIGNS AND REGULATORY SIGNS WILL BE IN PLACE BEFORE PLACEMENT OF ANY ASPHALT. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR PROVIDING SIGNAGE AND PLACEMENT REQUIREMENTS.
- ALL STORM DRAINS MUST HAVE A MINIMUM COVER OF 12" VERTICAL COVER BETWEEN ALL OTHER UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING AND VERIFYING ALL SERVICE LATERALS PRIOR TO THE START OF CONSTRUCTION IN PROPOSED AREAS.
- CONTRACTOR TO IMMEDIATELY NOTIFY CHARLES COUNTY PGM AND DESIGN ENGINEER IF FIELD CONDITIONS DIFFER FROM THOSE SHOWN ON PLANS. DESIGN ENGINEER WILL REVIEW CURRENT CONDITIONS AND ADVISE PGM/CONTRACTOR ON HOW TO PROCEED.
- THE DEVELOPER OR CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE CHARLES COUNTY DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT A LETTER OF MATERIAL CERTIFICATION FROM THE SUPPLIERS FOR ALL PRECAST STRUCTURES RELATED TO STORM DRAIN SYSTEMS AND STORMWATER MANAGEMENT FACILITIES IN THE FOLLOWING FORMAT:
17.1. CONTRACTOR'S NAME AND ADDRESS.
17.2. PROJECT NAME AND STRUCTURE NUMBER.
17.3. MANUFACTURER'S PRODUCT CERTIFICATION.
17.4. TYPE AND QUALITY OF PRODUCT.
17.5. SHOP DRAWINGS SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND.
- THE DEVELOPER OR HIS AGENT WILL NOTIFY THE DEPARTMENT FOR FINAL INSPECTION AFTER THE COMPLETION OF PERMITTED WORK PER APPROVED PLANS. THE DEPARTMENT WILL REQUIRE THE FOLLOWING FOR THEIR FILES:
18.1. AN "AS BUILT" REPRODUCIBLE PLAN AND SURVEY BY A PROFESSIONAL LAND SURVEYOR AND/OR PROFESSIONAL ENGINEER AT THE SAME SCALE AS THE ORIGINAL PLAN AND SHOWING ALL IMPROVEMENTS AND FINAL GRADES.
18.2. CERTIFICATION BY THE CONTRACTOR THAT ALL GRADING, DRAINAGE, EROSION CONTROL MEASURES, AND PERMANENT FACILITIES AND VEGETATIVE MEASURES HAVE BEEN COMPLETED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
18.3. A REPORT SUMMARIZING THE INSPECTION REPORTS AND TEST RESULTS AS PER SECTIONS 10.2 AND 10.4 OF THE CHARLES COUNTY STORMWATER ORDINANCE.
- THE CONTRACTOR SHALL SUBMIT TO THE CHARLES COUNTY DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT CONCRETE CYLINDER BREAK REPORTS CERTIFIED BY A PROFESSIONAL ENGINEER FOR ALL CAST-IN-PLACE STRUCTURES USED FOR STORM DRAIN SYSTEMS AND/OR STORMWATER MANAGEMENT FACILITIES.
- ALL SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD DETAILS GIVEN IN M.D.E.'S "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."
- ALL SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED AND PLACED IN OPERATION BEFORE EXCAVATION IS STARTED. THE CONTRACTOR SHALL ADJUST THE SEDIMENT CONTROL DEVICES AS NECESSARY TO MEET FIELD CONDITIONS, KEEP THEM CLEAN AND IN WORKING ORDER DURING CONSTRUCTION. NO SEDIMENT CONTROL DEVICE SHALL BE REMOVED UNTIL THE ENTIRE AREA DRAINING TO IT HAS BEEN PERMANENTLY STABILIZED, INSPECTED AND APPROVED BY CHARLES COUNTY SEDIMENT CONTROL INSPECTOR.
- THE CONTRACTOR SHALL TAKE WHATEVER MEASURES ARE NECESSARY TO KEEP MUD AND DEBRIS FROM BEING TRACKED ON PUBLIC ROADS.
- APPROVAL OF CHARLES COUNTY SEDIMENT CONTROL INSPECTIONS DIVISION AT 301-645-0700 SHALL BE REQUESTED BY THE OWNER/DEVELOPER UPON COMPLETION OF THE INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- EROSION AND SEDIMENT PRACTICES, AND SITE IN GENERAL, MUST BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT, BY THE CONTRACTOR OR OTHER RESPONSIBLE PERSON, AND ANY NEEDED MAINTENANCE PERFORMED IMMEDIATELY.
- SEDIMENT AND EROSION CONTROLS CANNOT BE REMOVED UNTIL THE SITE HAS ADEQUATE STABILIZATION. ONCE VEGETATION IS ESTABLISHED, THE SITE SHALL HAVE 65% GROUND COVER TO BE CONSIDERED ADEQUATE STABILIZED AND THE SEDIMENT CONTROL INSPECTOR HAS APPROVED SUCH REMOVAL.

LEGEND:

Property Line	---
Adjacent Property Line	---
Right of Way	---
Existing 1x Contour	---
Existing 5x Contour	---
Existing High Water Mark	---
Existing EOP/FOC	---
Existing Points	•
Existing Storm Drain	---
Existing Building	---
Existing Light Post	⊙
Existing Monitoring Well	⊕
Limits of Disturbance	---

REQUIRED PERMITS

PRIOR TO ANY DEVELOPMENT OF THE SITE, THE FOLLOWING PERMITS AND/OR AUTHORIZATIONS WILL BE REQUIRED.

- SEDIMENT CONTROL APPROVAL FROM THE CHARLES SOIL CONSERVATION DISTRICT
- DEVELOPMENT SERVICES PERMIT FROM CHARLES COUNTY PGM

REV NO.	CONSTRUCTION REVISION	DATE

NOTE

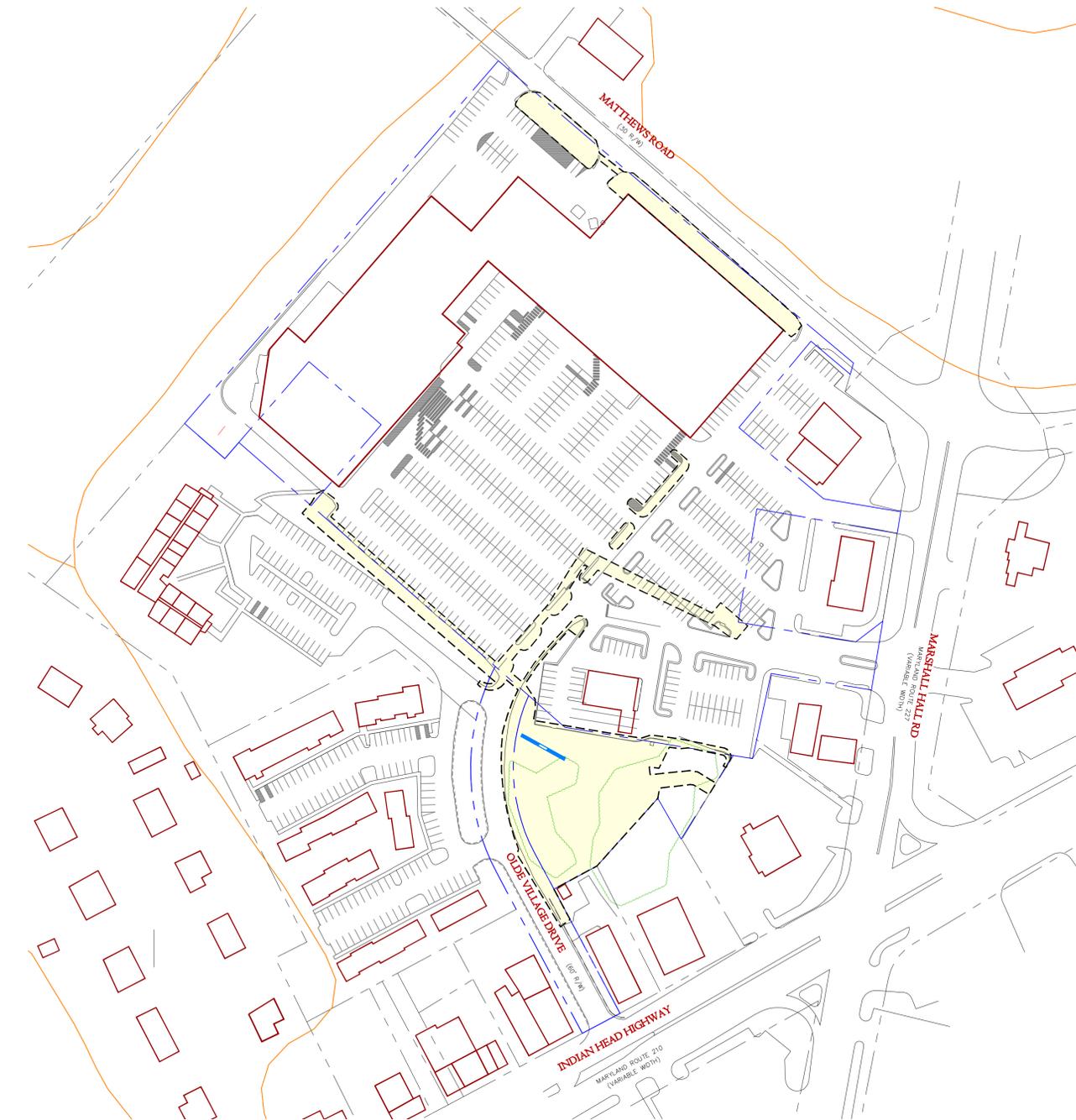
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NOTE

This Drawing does not include necessary components for construction safety. All construction must be done in compliance with the occupational safety and health act of 1970 and all rules and regulations thereto applicable.

BRYAN'S ROAD

NPDES PROGRAM: DESIGN OF STORMWATER MANAGEMENT RETROFITS



LOCATION PLAN
SCALE 1" = 100'



VICINITY MAP

OWNER'S/DEVELOPERS CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION, VEGETATIVE STABILIZATION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I HEREBY AUTHORIZE THE RIGHT TO ENTRY FOR PERIODIC ON-SITE EVALUATION BY STATE OF MARYLAND, DEPARTMENT OF THE ENVIRONMENT, COMPLIANCE INSPECTORS AND THE REPRESENTATIVES OF THE CHARLES SOIL CONSERVATION DISTRICT.

DATE: _____ OWNER/DEVELOPER SIGNATURE: _____
 CARD NO.: _____ PRINTED NAME AND TITLE: _____
 TELEPHONE NUMBER: (301) 645-1314
 ADDRESS: P.O. BOX 2150, LA PLATA, MD, 20646-2150

CONSULTANTS CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE 1994 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL OR CURRENT REVISIONS THEREOF, AND DEPARTMENT OF THE ENVIRONMENT STORMWATER MANAGEMENT REGULATIONS.

MD P.E. LICENSE # 36310
 MD LAND SURVEYOR LICENSE # N/A
 MD LANDSCAPE ARCHITECT # N/A
 NAME: RICHARD F. POLK
 FIRM NAME: VISTA DESIGN, INC.
 STREET ADDRESS: 11634 WORCESTER HWY, SHOWELL, MD 21862



ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN MEETS OR EXCEEDS THE REQUIREMENTS OF THE STORMWATER MANAGEMENT & STORM DRAINAGE ORDINANCE, FLOODPLAIN MANAGEMENT ORDINANCE, GRADING ORDINANCE, ROAD ORDINANCE, WATER & SEWER ORDINANCE, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II, ALL STATE AND FEDERAL CODES, THE CHARLES COUNTY STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION MANUAL, THE CHARLES COUNTY DETAILS MANUAL, THE APPROVED SITE PLAN OR PRELIMINARY PLAN, OTHER PGM ORDINANCES AND REGULATIONS AND ANY CONDITIONS IMPOSED BY CHARLES COUNTY.

MARYLAND REGISTERED PROFESSIONAL ENGINEER: 36310
 LICENSE NUMBER: _____ DATE: _____



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: 36310, EXPIRATION DATE: 11/17/2012

**CHARLES COUNTY GOVERNMENT
DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT
DEVELOPMENT SERVICES DEPARTMENT**

	GRADING	CONSTRUCTION	AS-BUILT	REMARKS OR CONDITIONS
ROADS	CONSTRUCTION	AS-BUILT		
STORM DRAINAGE	CONSTRUCTION	AS-BUILT		
STORMWATER MANAGEMENT	CONSTRUCTION	AS-BUILT		
WATER	CONSTRUCTION	AS-BUILT		
SEWER	CONSTRUCTION	AS-BUILT		
OTHER	CONSTRUCTION	AS-BUILT		
SIGNED:				THIS PERMIT EXPIRES ON:
DATE:				DATE:

CHARLES SOIL CONSERVATION DISTRICT APPROVAL

CHARLES SCD SEDIMENT AND EROSION CONTROL PLAN NUMBER: 89-10

CHARLES SCD SMALL POND APPROVAL NUMBER(S):

SEDIMENT AND EROSION CONTROL PLAN AND SMALL POND (IF APPLICABLE) IS HEREBY APPROVED BY THE CHARLES SOIL CONSERVATION DISTRICT.

THIS APPROVAL EXPIRES: _____
 WRITTEN REQUEST FOR EXTENSION MAY BE SUBMITTED TO THE DISTRICT.

THIS PLAN MEETS THE TECHNICAL REQUIREMENTS OF THE U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE.

COVER SHEET

VISTA DESIGN, INC.

Landscape Architects, Land Planning Consultants, Engineers & Surveyors

11634 Worcester Hwy, Showell, MD 21862
 ph 410-352-3874 fax 410-352-3875 email vista@vistadesigninc.com

PROJECT DATA

DRAWN BY: RB
 CHECK BY: RP
 CHARLES COUNTY
 BRYAN'S ROAD, MARYLAND
 FB NO: 00-00-00
 TM NO: 0-00-00-00
 DATE: 05/20/10
 SCALE: NTS

09-047

PROJ. NO.

CE 012210.dwg

File Name:

1

SHEET NO.