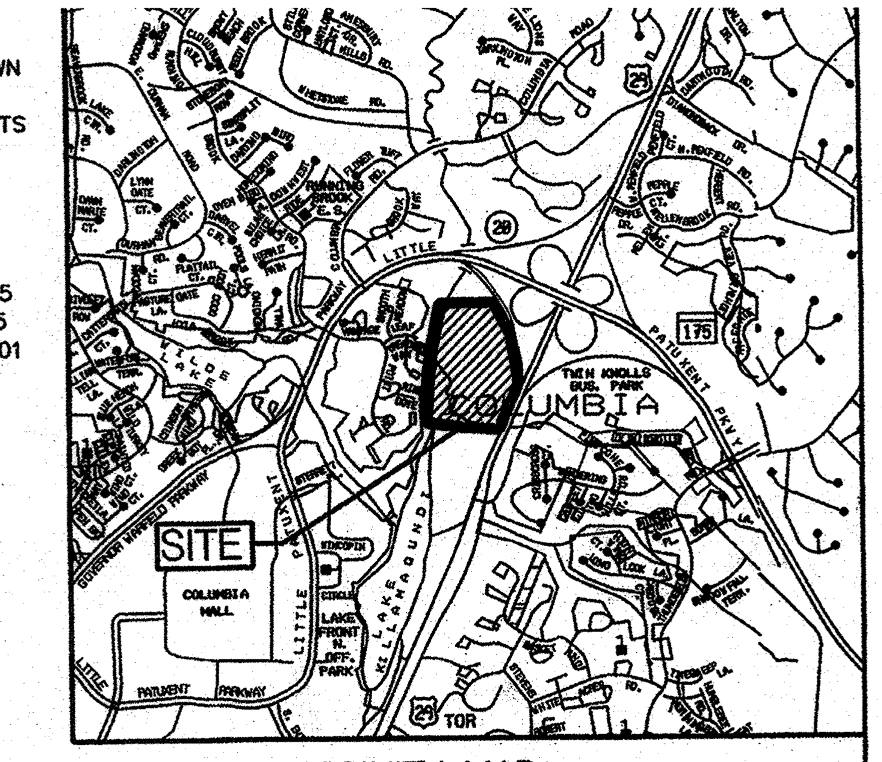
LEAFTREADER WAY
WETLAND MITIGATION SITE
SECTION 7, AREA 10
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
CAPITAL PROJECT S-6175
LITTLE PATUXENT PARALLEL SEWER

ADC MAP COORD. 15 J4

THE HORIZONTAL AND VERTICAL DATUM SHOWN HEREON ARE BASED ON GPS OBSERVATIONS FROM THE FOLLOWING N.G.S. TRAVERSE POINTS
HORIZONTAL NAD 1983/91
VERTICAL NAVD 1988

HOWARD COUNTY CONTROL POINTS

	NORTH	EAST	ELEV
42ED	546494.254	1358095.093	286.765
30G4	567815.218	1353271.279	360.305
30BA	573149.046	1357083.211	397.201



VICINITY MAP
0 1000 2000 FEET
SCALE
NORTH

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LEGEND

ITEM	SYMBOL
LIMIT OF DISTURBANCE	LOD
EXISTING MAJOR CONTOURS	387
EXISTING MINOR CONTOURS	
PROPOSED CONTOURS	387
EXISTING 100 YEAR FLOODPLAIN	
EXISTING TREE TO BE SAVED	
EDGE OF TREELINE	
PROPOSED NONTIDAL WETLAND BOUNDARY	
EXISTING NONTIDAL WETLAND BOUNDARY	
25' NONTIDAL WETLAND BUFFER	
WATERS OF THE US	WUS
PROPERTY LINE	
EXISTING ROAD EDGE	
EXISTING SEWER LINE	S
EXISTING STORM DRAIN	SD
EXISTING SEWER MANHOLE	SS
EXISTING STORM DRAIN MANHOLE	SD
SANDBAG DAM	
PUMP	P
DEWATERING DEVICE	DD
ORANGE SAFETY FENCE	OSF
SILT FENCE	SF
SUPER SILT FENCE	SSF
PIPE SLOPE DRAIN	18" PSD
STABILIZED CONSTRUCTION ENTRANCE	
EXISTING EASEMENT LINE	

SITE ANALYSIS DATA CHART

1. TOTAL PROJECT AREA: 66.5 ACRES (2,896,717 SF).
2. DISTURBED AREA: 10.21 ACRES (444,531 SF).
3. PRESENT ZONING DESIGNATION: NT
4. PROPOSED USE FOR THE SITE: WETLAND MITIGATION
5. OPEN SPACE ON SITE: 66.5 AC, 100% OF GROSS AREA
6. APPLICABLE DPZ FILE REFERENCES: WP-10-069

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS	PLAT #
1/ 410	W. ROUTE 29	7506

SPECIAL CONTRACTOR NOTES

1. 100-YEAR FLOODPLAIN ELEVATION IS SHOWN ON THE PLANS.
2. NO STOCKPILE OF ANY MATERIAL IS ALLOWED IN THE 100-YEAR FLOODPLAIN.
3. IN-STREAM WORK IS PROHIBITED FROM MARCH 1ST TO JUNE 15TH, INCLUSIVE. STREAM CLASSIFICATION: USE I-P.
4. CONTRACTOR SHALL CONTINUALLY MONITOR WEATHER FORECASTS DURING WORK ACTIVITIES AND SCHEDULE WORK DURING FAVORABLE CONDITIONS.
5. THE CONTRACTOR SHALL EXERCISE CARE IN ACTIVITIES INVOLVING EITHER CUT AND FILL OR GRADING IN THE VICINITY OF TREES THAT ARE TO REMAIN AT THE CONSTRUCTION SITE. ALL EARTH CUTS AND ACTIVITIES IN THE VICINITY OF TREES TO REMAIN SHALL BE MADE IN A MANNER THAT DOES NOT DISTURB THE CRITICAL ROOT ZONE WITHIN THE DRIPLINE OF THE TREE. PROTECTIVE ORANGE FENCING SHALL BE INSTALLED AROUND THE PERIMETER OF THE CRITICAL ROOT ZONE PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL NOT STORE EQUIPMENT, MATERIALS AND/OR SUPPLIES BEYOND THE ORANGE FENCING SHOWN ON THE PLANS.
7. UPON COMPLETION OF THE WORK, BUT PRIOR TO DE-MOBILIZATION, THE CONTRACTOR SHALL REMOVE ALL REMNANTS OF CONSTRUCTION MATERIALS FROM THE SITE. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE PRE-CONSTRUCTION CONDITIONS.
8. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, PHOTOGRAPHS OF THE PROPOSED WORK AREA AND ACCESS SHALL BE TAKEN.
9. ALL TREES TO BE REMOVED SHALL BE CUT AT THE BASE WITH A SAW AND NOT PUSHED OVER. TREE STUMPS MAY BE LEFT IN PLACE, UNLESS OTHERWISE DIRECTED ON THE PLANS.
10. REMOVED TREES AND BRUSH MAY BE REDISTRIBUTED ON SITE AT THE DISCRETION OF THE ENGINEER.

GENERAL NOTES

1. THE SUBJECT PROPERTIES ARE ZONED NT PER FEBRUARY 2, 2004 COMPREHENSIVE ZONING PLAN AND THE COMP-LITE ZONING AMENDMENTS DATED 7/28/2006.
2. THE DEPARTMENT OF PLANNING AND ZONING AND THE HOWARD SOIL CONSERVATION DISTRICT HAVE DETERMINED THAT THE DISTURBANCES WITHIN THE 100-YEAR FLOODPLAIN, WETLANDS, STREAM AND REQUIRED BUFFERS FOR THE PROPOSED WETLAND RESTORATION PROJECT ARE CONSIDERED ESSENTIAL OR NECESSARY IN ACCORDANCE WITH SECTIONS 16.115(C) AND 16.116(C) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
3. THIS PROJECT IS NOT A SUBDIVISION, AND THEREFORE THIS PLAN IS NOT REQUIRED TO MEET THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
4. THERE ARE NO BURIAL GROUNDS OR CEMETERY SITES LOCATED ON THE PROJECT SITE.
5. THIS PLAN MEETS THE REQUIREMENTS OF THE FOREST CONSERVATION REGULATIONS.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY CONTAINED HEREIN PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
7. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS, BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 24 HOURS IN ADVANCE OF ANY WORK BEING DONE.
8. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
9. THE COORDINATES SHOWN HEREON ARE BASED ON HOWARD COUNTY GEODETIC CONTROL, WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS NUMBERS 30BA,30G4, AND 42ED WERE USED FOR THIS SITE.
10. WATER IS PUBLIC.
11. SEWER IS PUBLIC.
12. STORMWATER MANAGEMENT IS NOT REQUIRED FOR THIS PROJECT SINCE THE PROJECT WILL NOT ADD IMPERVIOUS AREA NOR WILL IT CHANGE THE EXISTING HYDROLOGY OF THE SITE.
13. EXISTING UTILITIES ARE BASED ON FIELD SURVEYS AND AVAILABLE RECORD DRAWINGS.
14. THE 100-YEAR FLOODPLAIN IS BASED ON DATA OBTAINED FROM FEMA Q3. FLOOD DATA 1997 (PANEL NO. 2400440028C).
15. THE WETLANDS DELINEATION FOR THIS PROJECT WAS PERFORMED BY KCI TECHNOLOGIES, INC. IN 2007.
16. THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH ONE FOOT CONTOUR INTERVALS PREPARED BY DEWBERRY IN AUGUST 2006 & FEBRUARY 2009.
17. ALL WORK SHALL BE CONSTRUCTED ACCORDING TO THE REQUIREMENTS OF THE NONTIDAL WETLANDS AND WATERWAYS PERMIT APPROVED OCTOBER 18, 2008. (MDE TRACKING #07-NT-3268/200764080 AND USACE PERMIT #NAB-2007-07575-M04).
18. NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.
19. OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND KCI TECHNOLOGIES, INC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION GIVEN. SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCIES BETWEEN THE PLANS AND THE FIELD CONDITIONS, THE CONTRACTOR MUST VERIFY SUCH INFORMATION TO HIS OWN SATISFACTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
20. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

ASBUILT CERTIFICATIONS

SURVEY CERTIFICATION :

I HEREBY CERTIFY THAT THIS AS-BUILT SURVEY IS AN ACCURATE REPRESENTATION OF THE LOCATIONS AND ELEVATIONS IN THE FIELD AS OF 03/12/14.

5/5/14
DATE

EDWARD W. SIEGERT
PROFESSIONAL LAND SURVEYOR
MARYLAND REGISTRATION NO. 21706
LICENSE EXPIRES 06-02-2015.

DESIGN CERTIFICATION :

I HAVE PERSONALLY OBSERVED AND INSPECTED THE CONSTRUCTION OF THIS STREAM RESTORATION PROJECT. I HAVE ALSO REVIEWED THE AS-CONSTRUCTED CONDITIONS DEPICTED ON THIS AS-BUILT SURVEY. I HEREBY CERTIFY THAT THE STREAM RESTORATION CONSTRUCTION IS WITHIN THE ACCEPTED TOLERANCES AS NOTED ON THE PLANS AND WITHIN THE SPECIAL PROVISIONS.

5/9/14
DATE

JAMES G. KESTER
PROFESSIONAL ENGINEER
MARYLAND REGISTRATION NO. 20903
LICENSE EXPIRES 07-08-2013

STATE OF MARYLAND — JAMES G. KESTER — NO. 20903 REGISTERED — PROFESSIONAL ENGINEER

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. 20903 EXPIRATION DATE: 07-18-2013

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT"

P.E. # 20903 — 8/7/12 DATE
SIGNATURE OF ENGINEER (PRINT NAME BELOW SIGNATURE)
JAMES G. KESTER

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE THE BEGINNING OF THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT"

8/16/12 DATE
SIGNATURE OF DEVELOPER (PRINT NAME BELOW SIGNATURE)

APPROVED PLAN REVISION
SCD 4/30/13
NRCS Technical Review Date

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SCD — 8/9/12 DATE

ASBUILT
Sheet 1 of 3

PERMIT INFORMATION CHART

SUBDIVISION NAME			SECTION/AREA		LOT/PARCEL #
VANTAGE POINT			SECT. 7 / AREA 10		1/410
PLAT # or L/F	GRID #	ZONING	TAX MAP NO.	ELECT. DISTR.	CENSUS TRACT
7506	21	NT	30	15	605402
WATER CODE			SEWER CODE		
PUBLIC			PUBLIC		

OWNER:
HOWARD COUNTY
UTILITY DESIGN DIVISION
9250 BENDIX ROAD
COLUMBIA, MD 21045
410-313-2040

EP-10-17

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 8/21/12
CHIEF, BUREAU OF ENGINEERING — 8/16/12 DATE
CHIEF, BUREAU OF UTILITIES — 8/17/12 DATE
CHIEF, UTILITY DESIGN DIVISION KKS — 8/16/12 DATE

KCI TECHNOLOGIES
Engineers
Planners
Scientists
Construction Managers
936 Ridgebrook Road
Sparks, Maryland 21152
Telephone: (410) 316-7800
Fax: (410) 316-7818

DES: ES/JK/JB				
DRN: KP/CD/MP				
CHK: JK/JB/JK				
DATE: JULY 2012	BY	NO.	REVISION	DATE

TITLE SHEET

600' SCALE MAP NO. ______ BLOCK NO. ______

LEAFTREADER WAY
WETLAND MITIGATION SITE
SECTION 7, AREA 10
CAPITAL PROJECT No. S-6175
ELECTION DISTRICT NO. 15 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
SHEET 1 OF 16