

gmc 9/7/07

51829-6817

MJ 4/20/07

Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor



Margaret G. McHale
Chair

Ren Serey
Executive Director

**STATE OF MARYLAND
CRITICAL AREA COMMISSION
CHESAPEAKE AND ATLANTIC COASTAL BAYS**

1804 West Street, Suite 100, Annapolis, Maryland 21401
(410) 260-3460 Fax: (410) 974-5338
www.dnr.state.md.us/criticalarea/

September 7, 2007

Ms. Joan Kean
Somerset County Department of
Technical and Community Services
11916 Somerset Avenue
Princess Anne, MD 21853

Re: Westover Sewer Service Project
Consistency Report

Dear Ms. Kean:

Thank you for forwarding the above-referenced project to this office per the requirements of COMAR 27.02.02 - State and Local Agency Actions Resulting in Development of Local Significance on Private Lands or Lands Owned by Local Jurisdictions. The project involves the installation of a centralized sewer collection and transmission system in the Resource Conservation Area (RCA). After reviewing the consistency report this office agrees that the project is consistent with the Somerset County Critical Area Program for the reasons outlined below:

- There are no Buffer impacts.
- This project does not interfere with any other Habitat Protection Areas.
- Temporary disturbance of 2,180 square feet is proposed to occur in grassed and paved areas. Therefore, no clearing is necessary.
- MDE permit #2007 64138 has been received by your office for impacts to non-tidal wetlands.
- Stormwater management and sediment and erosion control approvals were received.

Since the project is consistent with the local program, it will not require formal approval by the Chesapeake Bay Critical Area Commission, notwithstanding any other required resource agency approvals.

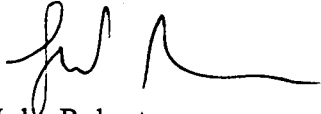
Ms. Joan Kean

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9/7/2007

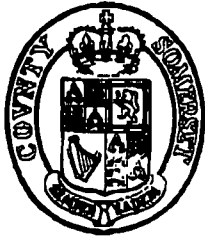
Thank you for the opportunity to comment. Please call me at (410) 260-3476 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Julie Roberts', with a long horizontal flourish extending to the right.

Julie Roberts
Natural Resources Planner

cc: SO 239-07



**SOMERSET COUNTY
DEPARTMENT OF TECHNICAL AND COMMUNITY SERVICES**

Joan S. Kean, Director

March 27, 2007

Mr. Joshua J. Taylor
Project Manager
Davis, Bowen & Friedel, Inc.

Re: Westover Sewer Service Project/ Critical Area Consistency Review

Dear Mr. Taylor:

I have reviewed the plans and it appears that the only infringement on the Critical Area is in the vicinity of Perry Road and ECI. Although the project is planned to be within the State right-of-way, it is technically within the area to be reviewed as a local project by the Critical Area Commission.

Accordingly, they will want to see a site plan, project description and any environmental assessment. I am sending you along a Commission checklist, which they have supplied. Most of this will not be applicable to the project, as I agree that the temporary disturbance will not affect the Critical Area or any habitat. Finally, I am sending you a copy of Map 40 and overlay of the Critical Area as it may be slightly different from the DNR map.

You may send this information directly to the attention of Julie Roberts at the Critical Area Commission, 1804 West Street, Suite 100, Annapolis, MD 21401. I will be in communication with her for any other data she may request from me or from the Sanitary District.

Sincerely,

Joan S. Kean
Director

Consistency Report for Local Government Projects

Project Name: WESTOVER SEWER SERVICE PROJECT	Jurisdiction: SOMERSET COUNTY
Project Description: PROJECT INCLUDES INSTALLATION OF A CENTRALIZED SEWER COLLECTION AND TRANSMISSION SYSTEM IN THE WESTOVER, MD AREA. SEWAGE WILL BE PUMPED TO THE PRINCESS ANNE WWTP FOR TREATMENT.	
Local Agency proposing project: SOMERSET COUNTY SANITARY COMMISSION	
Contact Name and Phone Number: ROBERT C. STREET, JR., MANAGER 410.651.3831	
Project Location (include street address, tax map and parcel number): • WESTOVER, MD (TAX MAPS 32 & 40) PLEASE REFER TO DRAWINGS ENTITLED • CRITICAL AREAS ON TAX MAPS 23 & 32. "WESTOVER SEWER SERVICE", JAN. 2007	
Critical Area acreage and designation: 2100 SQ. FT OF TEMPORARY DISTURBANCE WITHIN GRASS/PAVED AREAS IN RCA	

Project Data	
Existing forest/woodland/trees:	∅ % of site: N/A
Proposed clearing:	∅ % of existing forest: N/A
Mitigation to be provided: N/A	
Planting location & species (also show on site plan): N/A	
Existing impervious surface: 80 SQ. FT	% of site: N/A
Proposed new impervious: ∅	
Total impervious surface: 80 SQ. FT	% of site: N/A
If the % of impervious cover exceeds the permitted amount in the LDA or RCA, the project may need a Conditional Approval from the Critical Area Commission. Please contact your Commission planner for assistance.	
Total Area Disturbed: 2100 SQ. FT WITHIN RCA	
Stormwater Management: (If site is in the IDA, the 10% worksheets must be attached. Otherwise, local stormwater requirements must be addressed.) EXISTING ROADSIDE DRAINAGE DITCHES/SWALES AND AGRICULTURAL DITCHES	
Has project received local approval of SWM and sediment and erosion control plans? YES	
Buffer impacts? NONE	Is project water dependent? NO
If there are Buffer Impacts proposed and the project is not water dependent, the project may need a Conditional Approval from the Critical Area Commission. Please contact your Commission planner for assistance.	
Other Habitat Protection Areas:	
Colonial Nesting Waterbird site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Waterfowl Staging Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Endangered / threatened species? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Forest Interior Dwelling Bird Habitat? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Anadromous Fish Propagation Waters? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Non-tidal Wetland Impacts? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, MDE permit #: 2007 64138	
Tidal Wetland Impacts? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, MDE permit #:	

In accordance with COMAR 27.02.02, we hereby certify that this local agency project is consistent with the requirements of the local Critical Area Program.

Joan S. Kean, Director (Signature)

Please sign above, attach the site plan to this report and submit to the Critical Area Commission at 1804

239-07



ARCHITECTS ENGINEERS SURVEYORS

Gerald G. Friedel, P.E.
Michael R. Wigley, AIA
Randy B. Duplechain, P.E.
Charles R. Waadward, Jr., LS
Ja Anne Williams, P.E.
Charles A. Hauser, P.E.
W. Zachary Crauch, P.E.

April 24, 2007

Critical Area Commission
1804 West Street, Suite 100
Annapolis, MD 21401

ATTN: Ms. Julie Roberts
Natural Resources Planner

RE: Westover Sewer Service Project
Somerset County Sanitary District
Somerset County, Maryland
DBF #044C019B

RECEIVED

APR 26 2007

CRITICAL AREA COMMISSION

Dear Ms. Roberts:

Enclosed for your review, please find a copy of the letter from Ms. Joan Kean, dated March 27, 2007, the Critical Area Commission Project Application Checklist, and a partial set of permit drawings for the referenced project. These plans have been revised to show the Critical Area boundary and Development Area designations per Somerset County Critical Area Maps 23 and 40. Also enclosed, please find a copy of the Environmental Report completed for the Westover Water and Sewer System Expansion, completed in December 2005 in accordance with requirements of the funding agency, USDA – Rural Development. Please refer to the Environmental Report for additional information regarding the project description, purpose, environmental impacts and mitigation. Note that this Environmental Report covers the proposed *Westover Sewer Service Project* and the future *Westover Water Service Project*, scheduled to begin after completion of the sewer project.

The Somerset County Sanitary District is proposing to construct a centralized sewage collection and transmission system in Westover, MD. The project will include the installation of approximately 16,200 feet of small diameter force main, 26,200 feet of sewage force main and 13,600 feet of gravity sewer. All of the work will be completed in SHA and County Right of Ways or within easements that have been obtained by the Somerset County Sanitary District for pump station maintenance. The following is a brief summary of work included in this project:

The existing Tawes sewage pump station on will be replaced to increase its capacity and bring it up to Sanitary District and MDE standards. The Tawes station will pump via force main to the proposed collection system, allowing the existing Tawes Wastewater Treatment Plant to be abandoned. Two new pump stations will be constructed along with gravity sewer and force main collection and transmission mains which will convey sewage to the existing force main at Perry Road which will transmit the sewage to the Princess Anne Wastewater Treatment Plant (WWTP). Please refer to the enclosed permit drawings for additional information.

The project will cause temporary disturbance within the Critical Area RCA in the vicinity of Perry Road. The force main installation will cause approximately 2100 square feet of temporary disturbances to

Ms. Julie Roberts
Maryland Department of Natural Resources
April 24, 2007
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maintained grassed areas, and 80 square feet of temporary disturbance to existing pavement (outside of the 100' Buffer). The area disturbed will be immediately stabilized and restored to original conditions as quickly as feasible. No additional impervious area will be created.

Davis, Bowen & Friedel, Inc. is currently in the process of obtaining permits from MDE, Army Corps of Engineers, MD-DNR, and MD-SHA. These determinations will be forwarded when received. Our environmental sub-consultant, Environmental Resources, Inc., is currently performing an environmental review and wetlands delineation for the purpose of obtaining environmental permits. We need to have all permits in-hand by the end of May, 2007 in order to facilitate bidding and construction of the Phase 1 sewer utilities with the purpose of serving the new Somerset County Intermediate School in Westover, which is scheduled to open in early 2008.

We greatly appreciate your assistance with this process. I will contact you to discuss the project and schedule a site visit if necessary. If you have any questions or comments, or if you require additional information, please contact me at (410) 543-9091.

Sincerely,
DAVIS, BOWEN & FRIEDEL, INC.

Joshua J. Taylor
Project Manager

Enclosures

JJT/res
N:\00\044C\044C019B\Letters\Roberts042407.doc

cc: Ms. Joan Kean, Director – Somerset County Community & Technical Services
Mr. Robert C. Street, Jr. - Somerset County Sanitary District

WESTOVER SEWER SERVICE

SOMERSET COUNTY SANITARY DISTRICT

SOMERSET COUNTY, MARYLAND

JANUARY 2007

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APR 26 2007
CRITICAL AREA COMMISSION

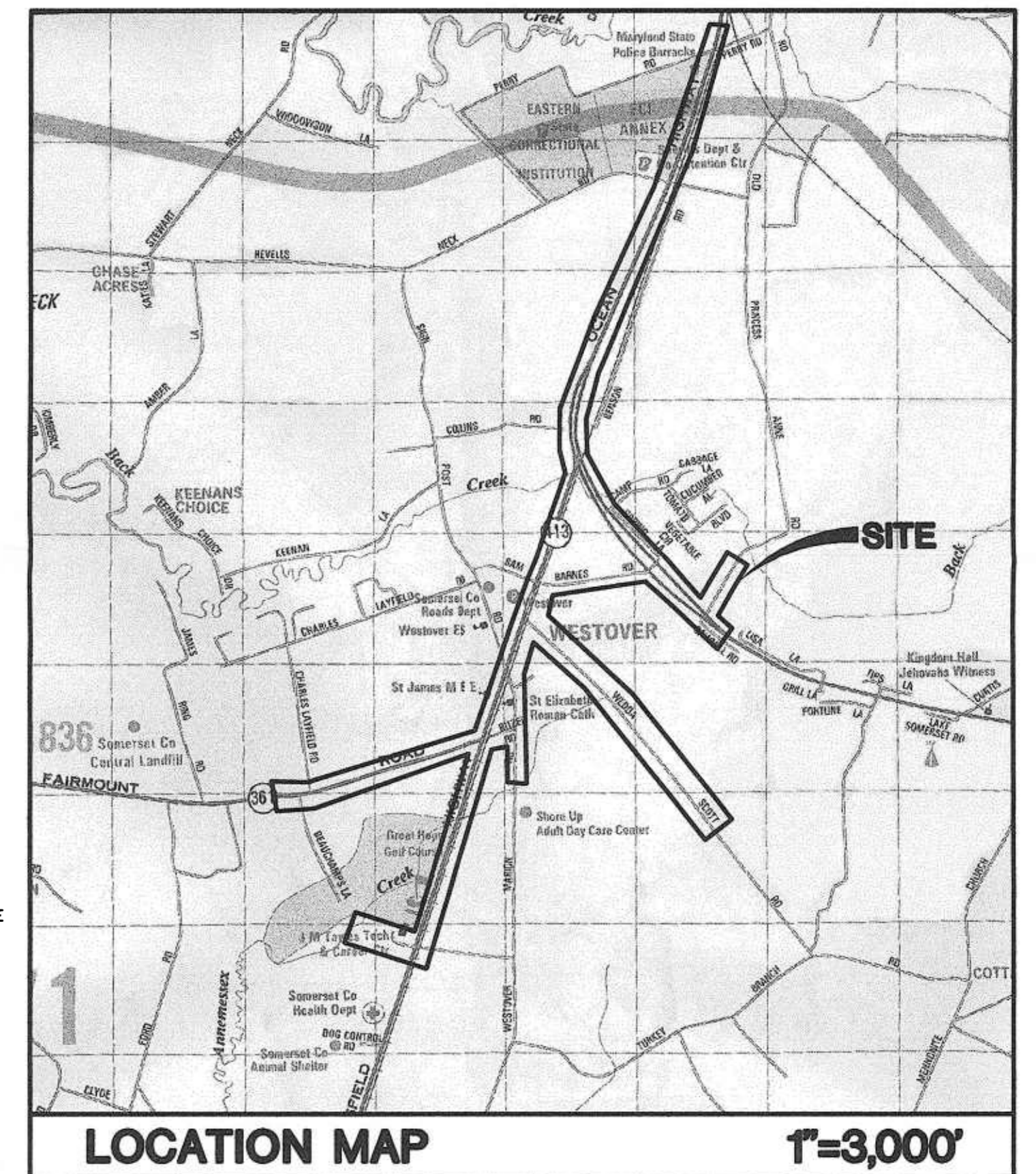
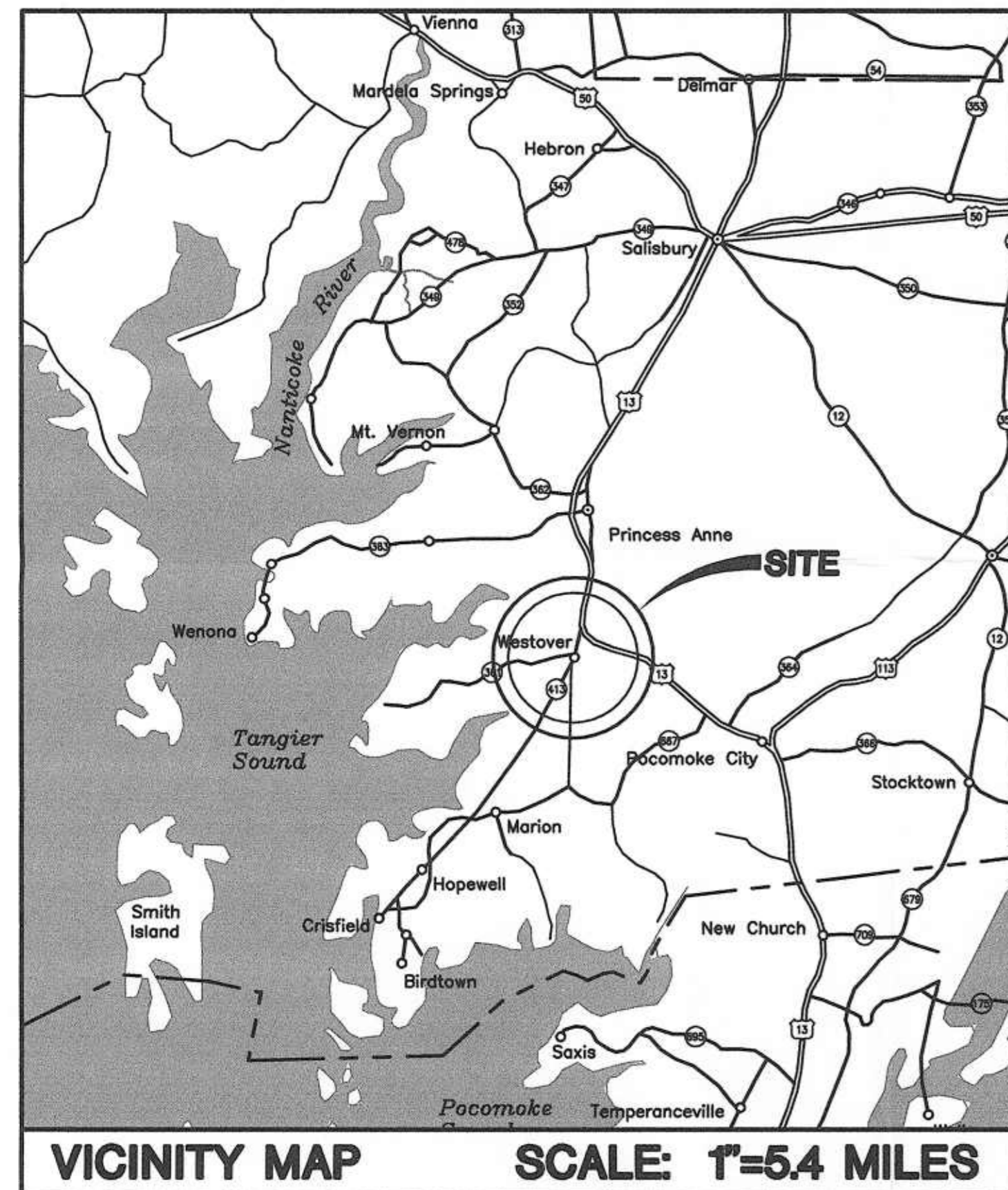
DBF NO. 044C019B

GENERAL NOTES:

- EXISTING TOPOGRAPHIC SURVEY IS BASED ON AERIAL TOPOGRAPHIC SURVEY PREPARED BY AXIS GEOSPACIAL, LLC, IN MARCH 2006. HORIZONTAL COORDINATES ARE REFERENCED TO MARYLAND STATE PLANE COORDINATE SYSTEM. ADDITIONAL TOPOGRAPHIC SURVEY PERFORMED BY DAVIS, BOWEN, & FRIEDEL, INC., AUGUST/SEPTEMBER 2006. VERTICAL DATUM BASED ON BENCHMARK 88 ELEV. 12.88, BM N.A.V.D. 88.
- ACCORDING TO FEMA/FIRM FLOOD MAPS 2400610175A AND 2400610300A, PROJECT DISTURBANCE IS IN AREAS OF MINIMAL FLOODING.
- RIGHT-OF-WAY LINES ARE AS DETERMINED BY THE BEST AVAILABLE INFORMATION AND ARE SHOWN ONLY FOR THE CONTRACTOR'S CONVENIENCE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL RIGHT-OF-WAY LINES AND EASEMENTS PRIOR TO BEGINNING CONSTRUCTION. ALL PROPOSED UTILITIES ARE TO BE CONSTRUCTED WITHIN MARYLAND STATE HIGHWAY ADMINISTRATION OR SOMERSET COUNTY ROADS RIGHT-OF-WAYS OR EASEMENTS OBTAINED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL TEMPORARY CONSTRUCTION EASEMENTS NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL PROVIDE ALL STAKEOUTS NECESSARY FOR THE INSTALLATION OF THE WORK.
- EXISTING UTILITY LOCATIONS ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION, AND ARE SHOWN ONLY FOR THE CONTRACTOR'S CONVENIENCE. THE CONTRACTOR SHALL VERIFY LOCATION, SIZE, MATERIALS AND INVERT OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION, WHETHER OR NOT SHOWN ON THE DRAWINGS, SHALL BE REPAIRED BY THE CONTRACTOR, TO THE UTILITY OWNER'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE.
- 48 HOURS PRIOR TO ANY EXCAVATION BEING PERFORMED, THE CONTRACTOR SHALL CALL "MISS UTILITY OF DELMARVA" (1-800-441-8355), TO HAVE EXISTING UNDERGROUND UTILITIES LOCATED AND MARKED. IN ORDER TO LOCATE STATE OWNED TRAFFIC SIGNAL FACILITIES, CONTACT MR. ED RODENHIZER AT THE OFFICE OF TRAFFIC AND SAFETY, 410-787-7852. FOR STATE OWNED STREET LIGHTING, CONTACT THE LOCAL RESIDENT MAINTENANCE ENGINEER, MR. WAYNE WEICHMAN, R.M.E. SOMERSET COUNTY AT 410-551-1533. PLEASE ALLOW AT LEAST 72 HOURS RESPONSE TIME FOR STATE FACILITIES. THE SOMERSET COUNTY SANITARY DISTRICT SHALL BE NOTIFIED TO LOCATE AND MARK COUNTY OWNED UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC IN ALL WORK AREAS IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. TRAFFIC CONTROL, REGULATORY, WARNING AND INFORMATIONAL SIGNS SHALL REMAIN FUNCTIONAL AND VISIBLE TO THE APPROPRIATE LANES OF TRAFFIC AT ALL TIMES, WITH THEIR RELOCATION KEPT TO A MINIMUM DISTANCE. REFER TO MD-SHA UTILITY PERMIT AND SOMERSET COUNTY ROADS CONSTRUCTION PERMIT FOR ADDITIONAL INFORMATION.
- WHENEVER EXCAVATION DISRUPTS GUY WIRES OR ENDANGERS EXISTING UTILITY POLES, THE POLE SHALL BE BRACED AND/OR GUY WIRES RELOCATED IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS.
- CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION TO PROTECT ALL TREES, SHRUBS, AND LANDSCAPING FROM DAMAGE DURING CONSTRUCTION OPERATIONS UNLESS SPECIFICALLY DESIGNATED TO BE REMOVED. REFER TO MD-DNR ROADSIDE TREE PERMIT FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL REMOVE AND IMMEDIATELY REPLACE, RELOCATE, RESET, OR RECONSTRUCT ALL OBSTRUCTIONS IN THE WORK AREA, INCLUDING, BUT NOT LIMITED TO: MAIL BOXES, SIGNS, LANDSCAPING, CULVERTS, FENCES, PROPERTY MARKERS, OR OTHER NATURAL OR MAN-MADE OBSTRUCTIONS ENCOUNTERED. ALL ASSOCIATED COST SHALL BE INCLUDED IN THE APPROPRIATE PRICES BID.
- ALL PAVING, DRIVEWAYS, CURBS, GUTTERS, SIDEWALKS, ETC., REGARDLESS OF CONDITION, DAMAGED BY THE CONTRACTOR, SHALL BE REMOVED AND REPLACED IN-KIND. COST SHALL BE INCLUDED IN THE APPROPRIATE PRICES BID.
- PAVING DISTURBED SHALL BE RESTORED IN ACCORDANCE WITH THE MARYLAND STATE HIGHWAY ADMINISTRATION AND SOMERSET COUNTY ROADS REQUIREMENTS AND AS SHOWN ON THE DETAILS. WHERE DETAILS ARE PROVIDED, THEY ARE PROVIDED IN ADDITION TO THE AGENCY PERMITS. WHERE DISCREPANCIES BETWEEN THE PERMIT AND DETAILS EXIST, THE PERMIT SHALL SUPERCEDE THE DRAWINGS.
- THE CONTRACTOR SHALL TOPSOIL, SEED AND MULCH ALL UNPAVED AREAS DISTURBED DURING CONSTRUCTION, ACCORDING TO THE EROSION AND SEDIMENT CONTROL PLAN AND/OR THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- FITTINGS SHOWN ON THE PLANS ILLUSTRATE ANTICIPATED SIZE AND ANGLE OF DEFLECTION. THIS INFORMATION IS SHOWN FOR GENERAL INFORMATION AND IS NOT GUARANTEED. ACTUAL SIZES AND ANGLES MAY VARY DUE TO FIELD CONDITIONS.
- THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY DEVIATION FROM THESE PLANS UNLESS WRITTEN APPROVAL HAS BEEN PROVIDED BY THE ENGINEER.
- FORCE MAINS SHALL BE INSTALLED PER THE PLANS AND PROFILES, A MINIMUM OF 3.5' BELOW GRADE MEASURED FROM THE FINISHED GROUND SURFACE TO THE TOP OF PIPE UNLESS OTHERWISE SPECIFIED. SUBMIT PROPOSED METHODS OF INSTALLATION TO THE ENGINEER FOR APPROVAL. AIR RELEASE VALVES SHALL BE INSTALLED AT ALL HIGH POINTS.
- PIPELINE DETECTION TAPE SHALL BE INSTALLED CONTINUOUSLY ALONG THE FORCE MAIN IN TWO LOCATIONS, 12" BELOW THE GROUND SURFACE AND 12" ABOVE THE TOP OF PIPE. THE TAPE SHALL HAVE A MINIMUM WIDTH OF 2" AND BE CAPABLE OF BEING DETECTED BY INDUCTIVE METHODS.
- PROVIDE CONCRETE BUTTRESSES FOR ALL BENDS, TEES AND PLUGS ON THE PROPOSED FORCE MAINS PER DETAILS.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE CONTRACT DOCUMENTS, INCLUDING PLANS, NOTES AND SPECIFICATIONS.
- ALL WORK IS TO BE DONE IN ACCORDANCE WITH REQUIREMENTS OF THE SOMERSET COUNTY SOIL CONSERVATION SERVICE, MARYLAND DEPARTMENT OF THE ENVIRONMENT, CHESAPEAKE BAY CRITICAL AREA COMMISSION, THE MARYLAND STATE HIGHWAY ADMINISTRATION, MARYLAND DEPARTMENT OF NATURAL RESOURCES AND ALL AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL INSTALL POLYETHYLENE PIPE IN ACCORDANCE WITH THE DETAILS AND THE MANUFACTURER'S RECOMMENDATIONS INCLUDING BUT NOT LIMITED TO STORAGE, HANDLING, MINIMUM BENDING RADIUS, FITTINGS, THRUST RESTRAINT, HEAT FUSION CONNECTIONS, COUPLINGS, TESTING, AND DISINFECTION.
- CONTRACTOR TO MAINTAIN A MINIMUM 12" VERTICAL CLEARANCE BETWEEN SEWER AND WATER PIPING, WITH WATER ABOVE SEWER WHERE FEASIBLE UNLESS OTHERWISE SHOWN ON THE DRAWINGS. MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN PARALLEL WATER AND SEWER PIPING, WHERE MINIMUM CLEARANCES CANNOT BE MAINTAINED, WATER MAIN SHALL TRANSITION TO DUCTILE IRON AND BE ENCASED IN CONCRETE FOR A MINIMUM OF 10' ON EACH SIDE OF CROSSING. WATER MAIN JOINTS SHALL BE PLACED AS FAR AS IS PRACTICABLE FROM THE SEWER CROSSING. SEWER PIPING SHALL BE INSTALLED WITH 12" VERTICAL CLEARANCE UNDER ALL OTHER UTILITIES, INCLUDING STORMWATER.
- CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE MARYLAND FOREST CONSERVATION ACT (FCA), ANNOTATED CODE OF MARYLAND, NATIONAL RESOURCES ARTICLE SECTION 5-1601, ET SEQ., AND REGULATIONS ADOPTED THEREUNDER.
- WHERE CONNECTIONS TO THE EXISTING SYSTEM ARE REQUIRED, THE CONTRACTOR SHALL PROVIDE ALL COUPLINGS, SLEEVES, AND ADAPTERS NECESSARY TO MAKE THE CONNECTION WITHIN THE UNIT PROCESS BID. THE SANITARY DISTRICT PERSONNEL SHALL OPERATE ALL VALVES AND EQUIPMENT.
- THE CONTRACT DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS OF CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE PERFORMED IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AS AMENDED, AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.
- ALL SMALL DIAMETER ($\leq 3'$) FORCE MAIN MANIFOLDS SHALL USE WYE CONNECTIONS.
- GRINDER STATIONS AND FORCE MAINS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THE CONTRACT DOCUMENTS.
- GRINDER STATIONS SHALL BE INSTALLED AT THE PROPERTY LINE. CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER AND SANITARY DISTRICT REPRESENTATIVE TO DETERMINE THE MOST SUITABLE LOCATION FOR THE GRINDER STATION, POWER CABLE, AND HOUSE MOUNTED ELECTRICAL PANELS FOR EACH RESIDENCE. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY AND PROPERTY OWNER PRIOR TO CONNECTION TO THE SERVICE METER.

INDEX OF DRAWINGS

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- K-1 ... KEY MAP & PHASING PLAN
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- PS-1 ... PUMPSTATION PLANS
- PS-2 ... TAWES PUMP STATION DETAILS
- PS-3 ... ROUTE 413 PUMP STATION DETAILS
- PS-4 ... CAMP ROAD PUMP STATION DETAILS
- DT-1 - DT-4 ... DETAILS
- ESC-1 ... EROSION & SEDIMENT CONTROL NOTES AND DETAILS
- E-1 - E-5 ... ELECTRICAL DETAILS



LEGEND	
EXISTING	PROPOSED
EX-8" W-4	WATER MAIN, VALVE, HYDRANT ASSEMBLY
EX-8" FM	SEWER FORCE MAIN
EX-8" S	SEWER MAIN, MANHOLE
EX-12" S	CATCH BASIN, STORM DRAIN, FLARED END SECTION
E	UNDER GROUND ELECTRIC
T	UNDER GROUND TELEPHONE
P	POWER POLE/ POWER POLE W/ GUY WIRE
S	SIGN
M	MAILBOX
B	BUILDING
C&G	CURB AND GUTTER
C	CURB
2892	TOPOGRAPHIC SPOT ELEVATION
F	FENCE
DT	DECIDUOUS TREE, EVERGREEN TREE & TREE LINE
19	CONTOUR
R.O.W.	R.O.W. LINE / PROPERTY LINE
W	TIDAL WETLANDS BOUNDARY, FLAGGING
N-T	NON-TIDAL WETLANDS / BUFFER
100	100 FOOT WETLANDS BUFFER WITHIN CRITICAL AREA
P	PRIORITY FUNDING AREA
W	WATERWAY / CENTER OF SWALE OR DITCH
E	EASEMENT
NWI	NWI WETLANDS
NWB	NWI WETLANDS BOUNDARY
C.O.	GRAVITY SEWER, CLEAN OUT & MANHOLE
G.S.	SEWER FORCE MAIN, GRINDER STATION, AIR RELEASE VALVE ASSEMBLY
U.B.P.	UTILITY BORE PIT LOCATION, CASING & CARRIER PIPE
UE	UNDERGROUND ELEC.
P.R.	PAVEMENT RESTORATION
C	CONCRETE
G	GRAVEL
T.L.	TREE LINE
F	FENCE
L.O.D.	LIMIT OF DISTURBANCE
19	CONTOUR
S	SILT FENCE
A.G.I.P.	AT GRADE INLET PROTECTION

DAVIS, BOWEN & FRIEDEL, INC.
ARCHITECTS ENGINEERS SURVEYORS

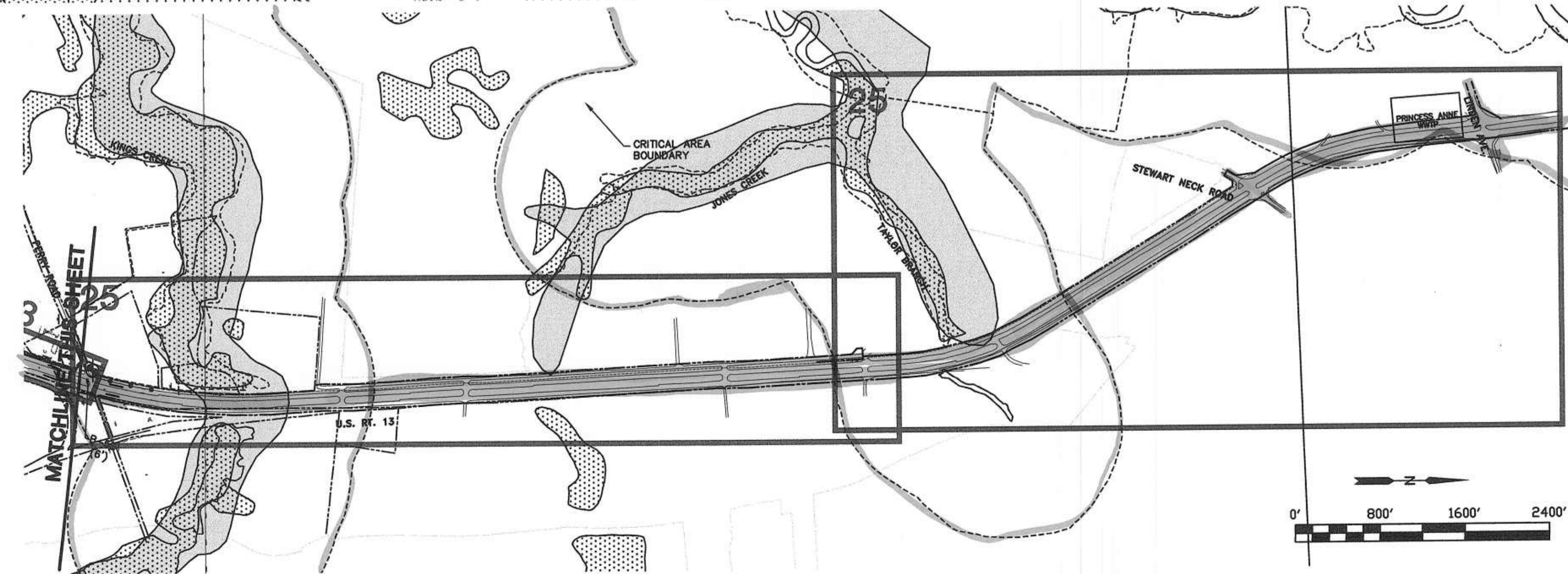
EASTON, MARYLAND (410) 770-4515
MILFORD, DELAWARE (302) 424-1441
SALISBURY, MARYLAND (410) 543-9091

APPROVED BY SOMERSET COUNTY SANITARY DISTRICT:
SIGNATURE: _____
DATE: _____

THIS DRAWING, THE DESIGN AND CONSTRUCTION FEATURES DISCLOSED ARE PROPRIETARY TO DAVIS, BOWEN & FRIEDEL, INC., AND SHALL NOT BE ALTERED OR REUSED WITHOUT WRITTEN PERMISSION.

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APR 26 2007
CRITICAL AREA COMMISSION

C:\00440040\019B\dwg\K1.dwg Apr 25, 2007 - 1:23pm (bwh)



- KEY MAP**
- FEMA ZONE A (100 YR. FLOOD ZONE)
 - NATIONAL WETLANDS INVENTORY
 - 1000' CRITICAL AREA BOUNDARY
 - SOIL BORING LOCATION AND DEPTH
B-## (depth)

**WESTOVER SEWER SERVICE
SOMERSET COUNTY SANITARY DISTRICT
SOMERSET COUNTY, MARYLAND**

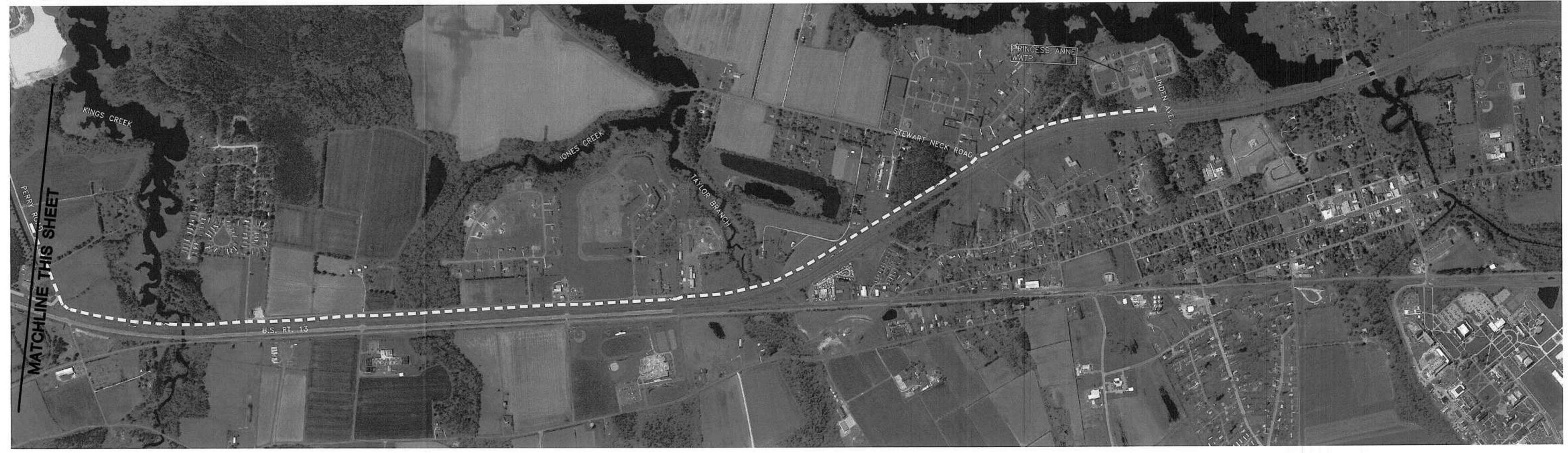
ARCHITECTS ENGINEERS SURVEYORS
DAVIS, BOWEN & FRIEDEL, INC.
EASTON, MARYLAND (410) 775-4515
MILFORD, DELAWARE (302) 424-1441
SALISBURY, MARYLAND (410) 543-0001

KEY MAP

Revisions:

Date: JANUARY 2007
Scale: 1" = 800'
Dwn.By: GHN/RJD/DJR
Proj.No.: 044C019B
Dwg.No.:

K1

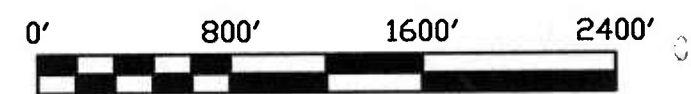


KEY MAP

- PHASE 1 PROPOSED GRAVITY SEWER
- - - PHASE 1 PROPOSED SEWER FORCEMAIN
- - - PHASE 1 EXISTING FORCEMAIN IMPROVEMENTS
- PHASE 2 PROPOSED GRAVITY SEWER
- - - PHASE 2 PROPOSED SEWER FORCEMAIN

PHASING NOTES

1. PHASE 1 WORK SHALL INCLUDE REPLACEMENT OF THE TAWES PUMP STATION, CONSTRUCTION OF THE RT. 413 PUMP STATION, AND CONSTRUCTION OF PHASE 1 FORCEMAIN AND GRAVITY SEWER AS INDICATED, AND IMPROVEMENTS TO THE EXISTING 14" FORCEMAIN ALONG U.S. RT. 13.
2. UTILITY STUB-OUTS FOR CONNECTIONS TO PHASE 2 WORK SHALL BE MADE AS PHASE 1 PROGRESSES TO MINIMIZE SERVICE INTERRUPTIONS AND ALLOW RESTORATION OF PHASE 1 UTILITIES.
3. COMPLETE ALL TESTING AND STARTUP FOR PHASE 1 UTILITIES AND SUBMIT REQUIRED DOCUMENTATION AND CERTIFICATIONS NECESSARY FOR BENEFICIAL USE OF THE ENTIRE PHASE 1 SEWER SYSTEM.
4. PHASE 2 WORK SHALL INCLUDE CONSTRUCTION OF THE CAMP ROAD PUMP STATION AND PHASE 2 FORCEMAIN AND GRAVITY SEWER AS INDICATED.

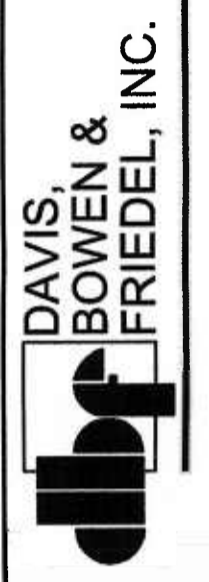


RECEIVED
APR 26 2007
CRITICAL AREA COMMISSION

MATCHLINE THIS SHEET

MATCHLINE THIS SHEET

ARCHITECTS ENGINEERS SURVEYORS
DAVIS, BOWEN & FRIEDEL, INC.
1000 WILSON AVENUE
SALISBURY, MARYLAND 21801
(410) 543-6343
(410) 543-1441
(410) 543-6081



PHASING PLAN

**WESTOVER SEWER SERVICE
SOMERSET COUNTY SANITARY DISTRICT
SOMERSET COUNTY, MARYLAND**

Revisions:

Date: JANUARY 2007
Scale: 1" = 800'
Dwn.By: GHN/RJD/DJR²
Proj.No.: 044C019B
Dwg.No.:

PH-1