



PUBLIC NOTICE

US Army
Corps
of Engineers
Baltimore
District

In Reply to Application Number
GENAB-OP-RMS(WO DPW/POCOMOKE
SANITARY LANDFILL/CLOSURE CAP)03-62729-1

Comment Period: May 2, 2003 to May 19, 2003

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC ABOUT THE WORK DESCRIBED BELOW. AT THIS TIME, NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED.

The Baltimore District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344), as described below:

APPLICANT: Worcester County Dept of Public Works
6113 Timmons Road
Snow Hill, Maryland 21863

LOCATION: In wetlands adjacent to Pilchard Creek and Pocomoke River, near Pocomoke, Worcester County, Maryland.

WORK: The applicant is proposing to do final grading and capping to permanently close the existing Pocomoke Sanitary Landfill. The proposed project will impact wetlands that immediately surround the limit of solid waste at the landfill. The grading plan and cap closure conforms with COMAR Title 26.04.07.21 and 40 CFR 258. Due to the prescribed side slopes of the proposed landfill cap and the co-location of existing jurisdictional wetland areas with the current toe of the landfill slope, wetland areas will be impacted by the placement of the proposed cap. The proposed final cap and grading plan to permanently close the Pocomoke Sanitary Landfill is projected to impact 85,536 square feet (1.96 acres) of emergent wetlands and 11,554 square feet (0.27 acres) of forested wetlands (Table 1). The projected wetland impacts total 2.23 acres. Acreage replacement ratios were used to determine the amount of wetlands needed for mitigation. Using the 1:1 mitigation ratio for emergent wetlands, 85,536 square feet (1.96 acres) of emergent wetlands will be created. Since impacts to forested wetlands total 11,554 square feet, 23,108 square feet (0.53 acres) of forested wetlands will be created (using the 2:1 mitigation ratio). Based on the final capping plans for the landfill, the total amount of required wetland mitigation is 2.49 acres. The proposed wetland mitigation sites will be located so that they have the opportunity to intercept both ground and surface water to sustain the hydrology component of the created wetland. One mitigation site will be located in the existing rubble pit area to be excavated, located on the southeastern fringe of the landfill. Wetlands currently exist in this rubble pit area, but as part of the landfill closure, the rubble will be removed and placed under the landfill closure cap and the excavated rubble pit area will be replanted as a wetland mitigation site. The additional mitigation sites will be located on the southern and western sides of the landfill and will be designed to be contiguous with the adjacent, existing jurisdictional wetlands. The created wetland areas will provide valuable habitat, and function as a cohesive unit within the existing wetlands of the surrounding area. Particular side slopes of the landfill are required in the final grading plan to meet design standards and therefore will impact wetlands located directly adjacent to the limit of solid waste. The size of the landfill closure cap footprint was limited to the size that was required to install the cap in accordance with good engineering practices. Applicable regulations include 40 CFR 258 "Criteria for Municipal Solid

Waste Landfills" and COMAR Title 26.04.07.21 "Sanitary Landfill - Closure", which states that "the cap shall be installed with a minimum slope of 4 percent to facilitate drainage of percolate". The purpose of removing the rubble is to cap this waste within the landfill closure, and to beneficially use the excavated rubble pit as an on-site mitigation project for wetlands being filled as part of this project.

All work is to be completed in accordance with the enclosed plan(s). If you have any questions concerning this matter, please contact Mr. Woody Francis at (410) 962-5689.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act from the Maryland Department of the Environment. Any written comments concerning the work described above which relate to water quality certification must be received by the Standards and Certification Division Maryland Department of the Environment, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland 21230-1708 within the comment period as specified above to receive consideration. Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, PO Box 1715, Baltimore, Maryland 21203-1715, within the comment period as specified above to receive consideration. The 401 certifying agency has a statutory limit of one year to make its decision.

The applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the Maryland Coastal Zone Program. This certification statement is available for inspection in the District Office; however, public comments relating to consistency must be received by the Coastal Zone Division, Maryland Department of the Environment, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland, 21230-1708, within the comment period as specified above. It should be noted that CZ Division has a statutory limit of 6 months in which to make its consistency determination.

The applicant must obtain any State or local government permits which may be required.

A preliminary review of this application indicates that the proposed work will not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

Review of the latest published version of the National Register of Historic Places indicates that no registered properties listed as eligible for inclusion therein are located at the site of the proposed work. Currently unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

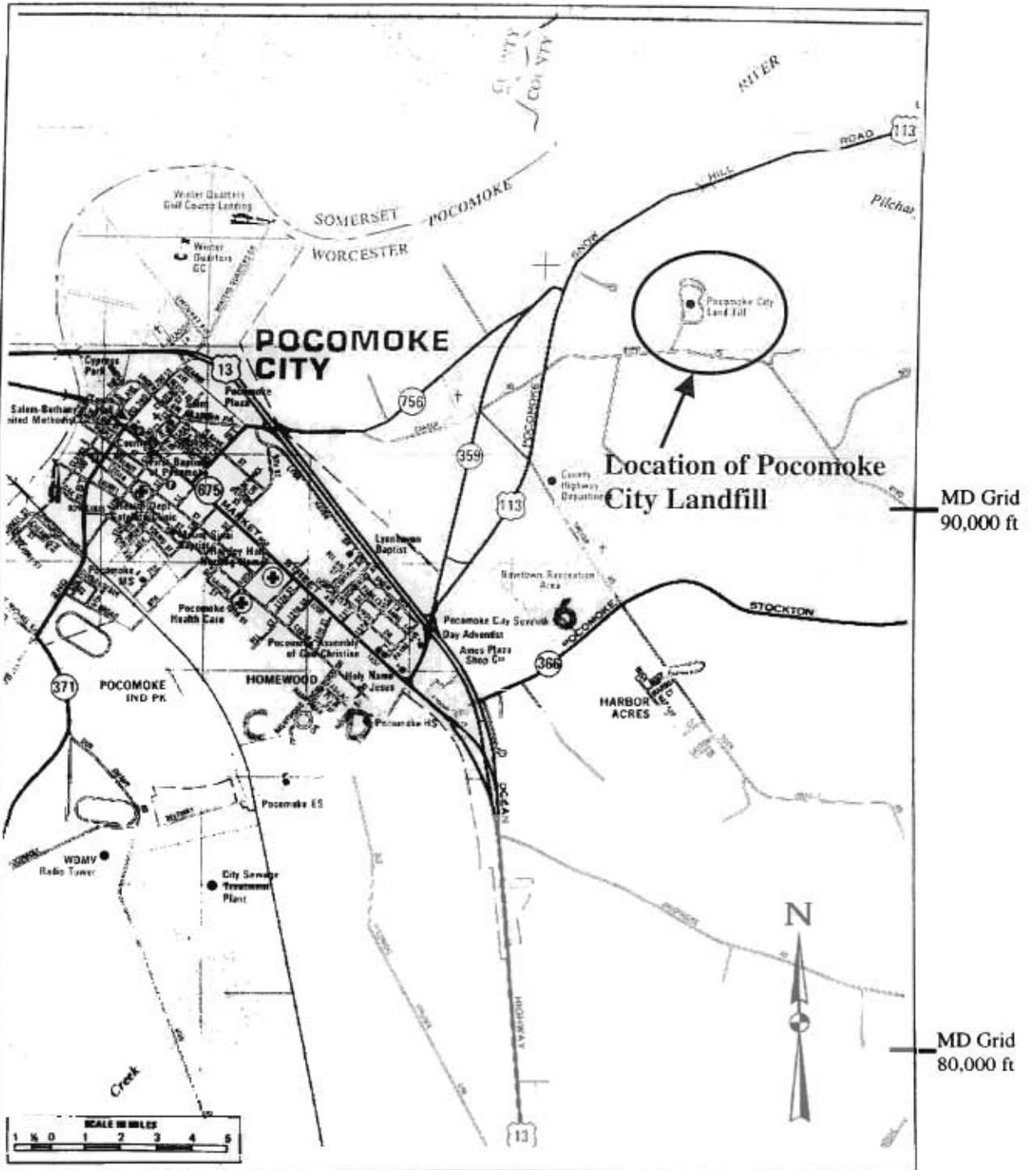
The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act. Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, PO Box 1715, Baltimore, Maryland 21203-1715, within the comment period as specified as above to receive consideration. Also, it must clearly state forth the interest which may be adversely affected by this activity in the manner in which the interest may be adversely affected.

It is requested that you communicate the foregoing information concerning the proposed work to any persons known by you to be interested and not being known to this office, who did not receive a copy of this notice.

FOR THE DISTRICT ENGINEER:



WALTER WASHINGTON, JR.
Chief, Maryland Section Southern



Source: Worcester County, MD Alexandria Drafting Company (ADC) Map # 32

Vicinity Map of Pocomoke City Landfill

TABLE WETLAND TYPE, BUFFER IMPACTS, AND MITIGATION FOR
POCOMOKE SANITARY LANDFILL, MARCH 2003

WETLAND IMPACTS

Wetland Type	Wetland Impact (ft²)	Wetland Impact (acres)	Wetland Mitigation Ratio	Wetland Mitigation (ft²)	Wetland Mitigation (acres)
Emergent Wetland Impacts (PEM1)	85,536	1.96	1 to 1	85,536	1.96
Forested Wetland Impacts (PFO1)	11,554	0.27	2 to 1	23,108	0.53
Wetland Impacts Total	97,090	2.23	N/A	108,644	2.49

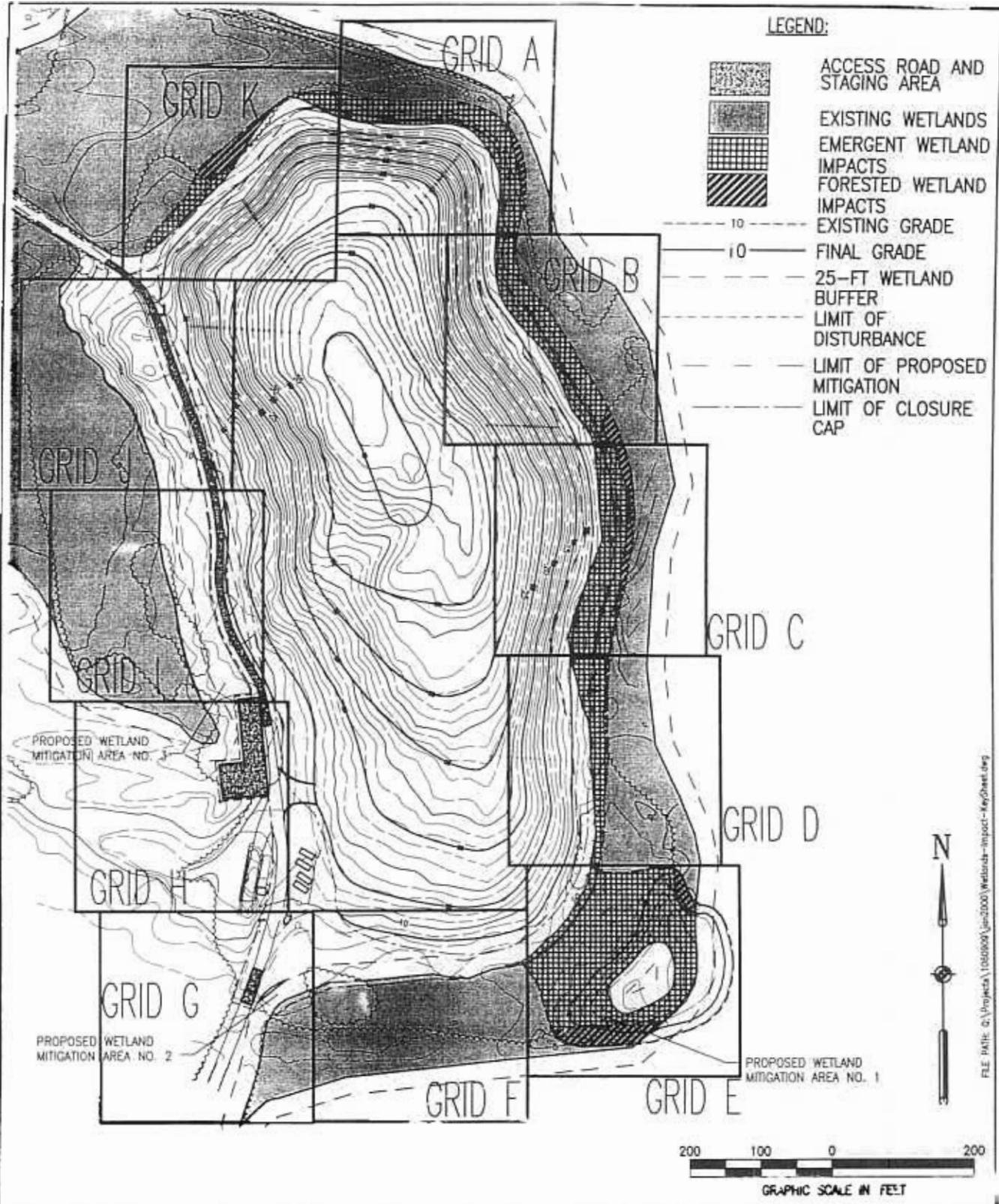
BUFFER IMPACTS

Wetland Type	Buffer Impact (ft²)	Buffer Impact (acres)
Emergent Wetland Buffer Impacts	58,483.35	1.34
Forested Wetland Buffer Impacts	1,649.06	0.04
Wetland Buffer Impacts Total	60,132.41	1.38

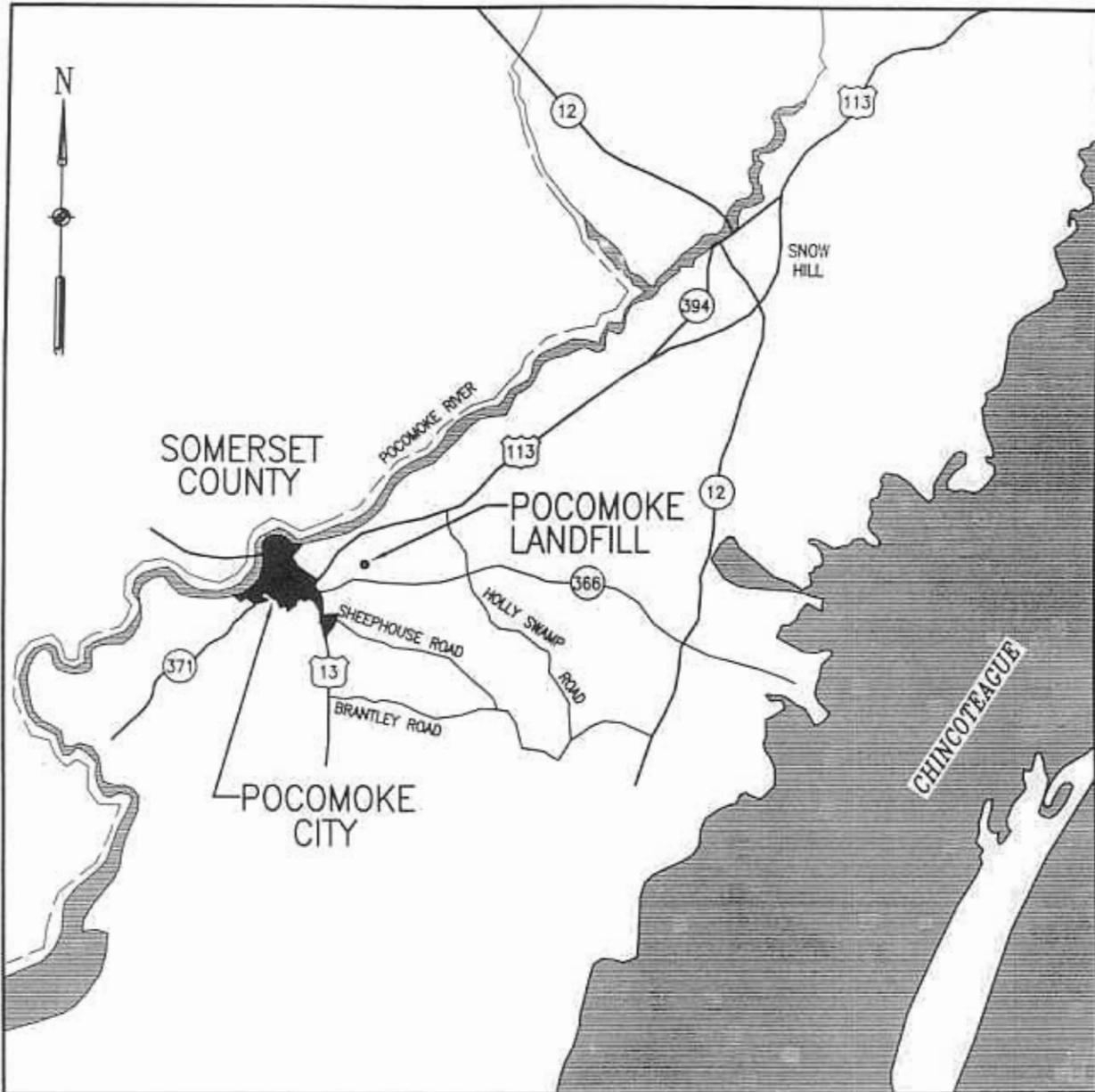
TABLE 2. PROPOSED NATIVE VEGETATION SPECIES FOR THE POCOMOKE SANITARY LANDFILL WETLAND MITIGATION PROJECT

Quantity	Spacing (feet)	Scientific Name	Common Name	Wetland Status	Layer	Comments
50	10	<i>Acer rubrum</i>	Red Maple*	FAC	Hardwood tree, mid-canopy	Medium-sized tree that grows in wet thickets, and on floodplains.
50	10	<i>Liquidambar styraciflua</i>	Sweetgum*	FAC	Hardwood tree, canopy	Shade tree with rapid growth rate.
50	10	<i>Fraxinus pennsylvanica</i>	Green Ash	FACW	Hardwood tree, canopy	Good riparian species.
50	10	<i>Quercus palustris</i>	Pin Oak	FACW	Hardwood tree, canopy	Abundant wildlife food source, tolerant of high pH soils.
Total: 200						
35	10	<i>Aronia arbutifolia</i>	Red Chokeberry	FACW	Shrub	Red berries, adaptable species.
35	10	<i>Cornus amomum</i>	Silky Dogwood	FACW	Shrub	Multi-stemmed, stream side, wildlife food source.
35	10	<i>Sambucus canadensis</i>	Elderberry	FACW-	Shrub	Wetland species, wildlife food source, fast growing.
Total: 105						
600	3	<i>Asclepias incarnata</i>	Swamp Milkweed	OBL	Herbaceous	Occurs in a range of wet conditions.
600	3	<i>Carex crinita</i> or <i>Carex lurida</i>	Fringed Sedge or Lurid Sedge	OBL	Herbaceous	Wetland emergent grass-like plant.
600	3	<i>Hibiscus moscheutos</i>	Swamp Rose Mallow*	OBL	Herbaceous	Tolerates standing water, large plant - up to 8 ft.
800	3	<i>Juncus effusus</i>	Soft Rush*	FACW+	Herbaceous	Wet ground stems and seeds provide food for wildlife.
800	3	<i>Panicum virgatum</i>	Switchgrass	FAC	Herbaceous	Tall grass prairie, very tolerant plant, prefers moist areas.
600	3	<i>Vernonia noveboracensis</i>	New York Ironweed	FACW+	Herbaceous	Deep purple flowers in moist meadows, tall - up to 8 ft.
Total: 4,000						

*Plant species observed on-site during field investigation.



EA ENGINEERING, SCIENCE, AND TECHNOLOGY		POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND			GRID KEY SHEET		
PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-26-02	SHEET 1 OF 13	FIGURE KEY SHEET



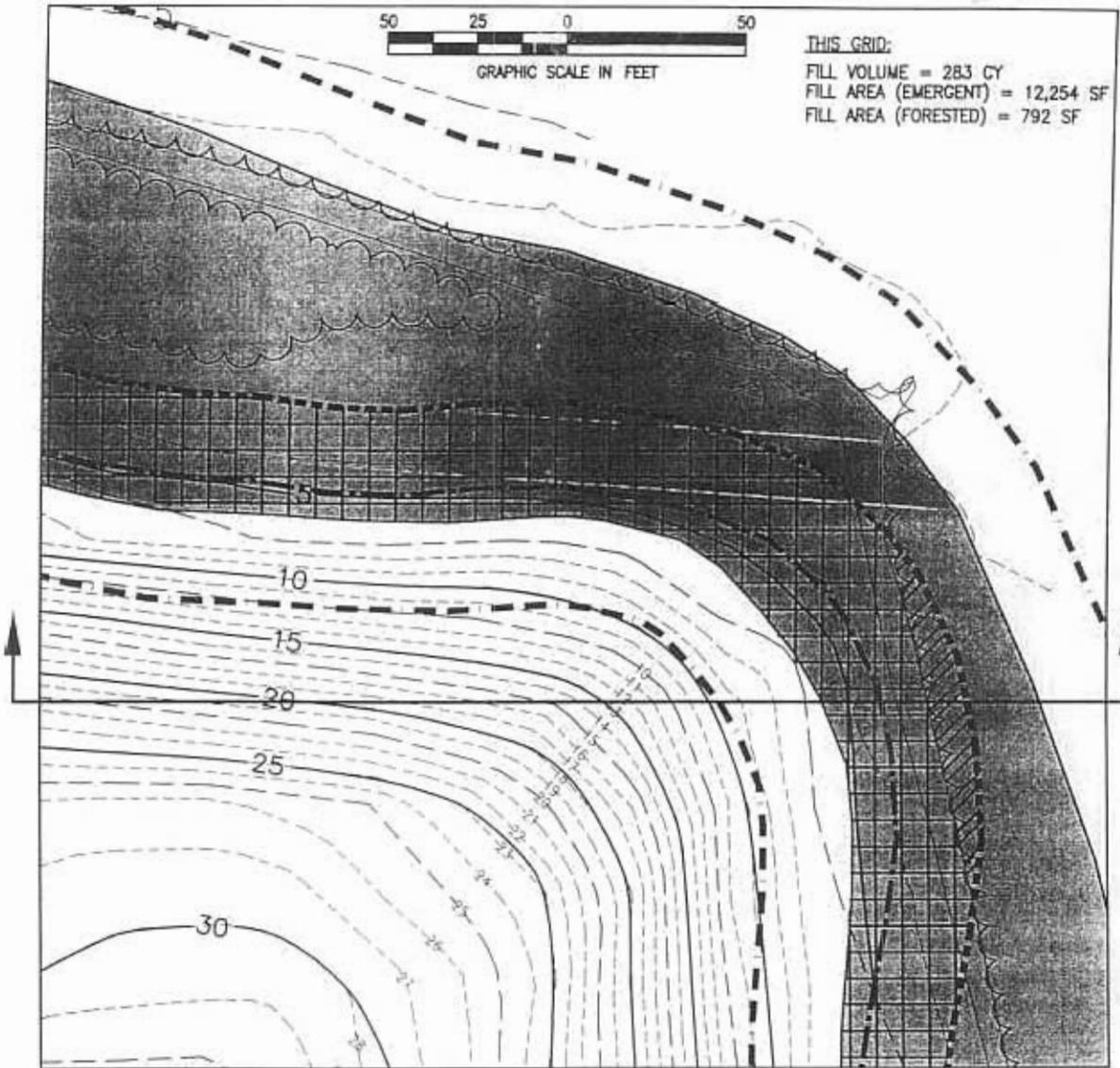
FILE: (LOCAL) g:\PROJECTS\1018002\VICINITY.DWG

EA® EA ENGINEERING,
SCIENCE, AND
TECHNOLOGY

POCOMOKE SANITARY LANDFILL
WORCESTER COUNTY, MARYLAND

VICINITY OF
POCOMOKE SANITARY LANDFILL

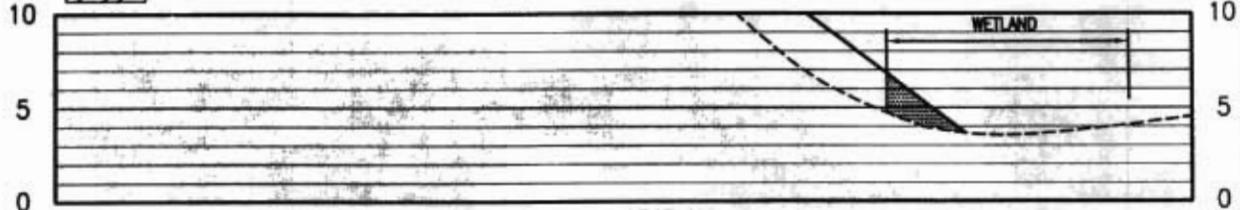
PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	SHEET	FIGURE
CWL	DOK	DOK	CWL	AS SHOWN	2-20-03	2 OF 13	MAP



THIS GRID:
 FILL VOLUME = 283 CY
 FILL AREA (EMERGENT) = 12,254 SF
 FILL AREA (FORESTED) = 792 SF

LEGEND:

-  EXISTING WETLANDS
-  EMERGENT WETLAND IMPACTS
-  FORESTED WETLAND IMPACTS
-  LIMIT OF CLOSURE CAP
-  EXISTING GRADE
-  FINAL GRADE
-  25-FT WETLAND BUFFER
-  LIMIT OF DISTURBANCE

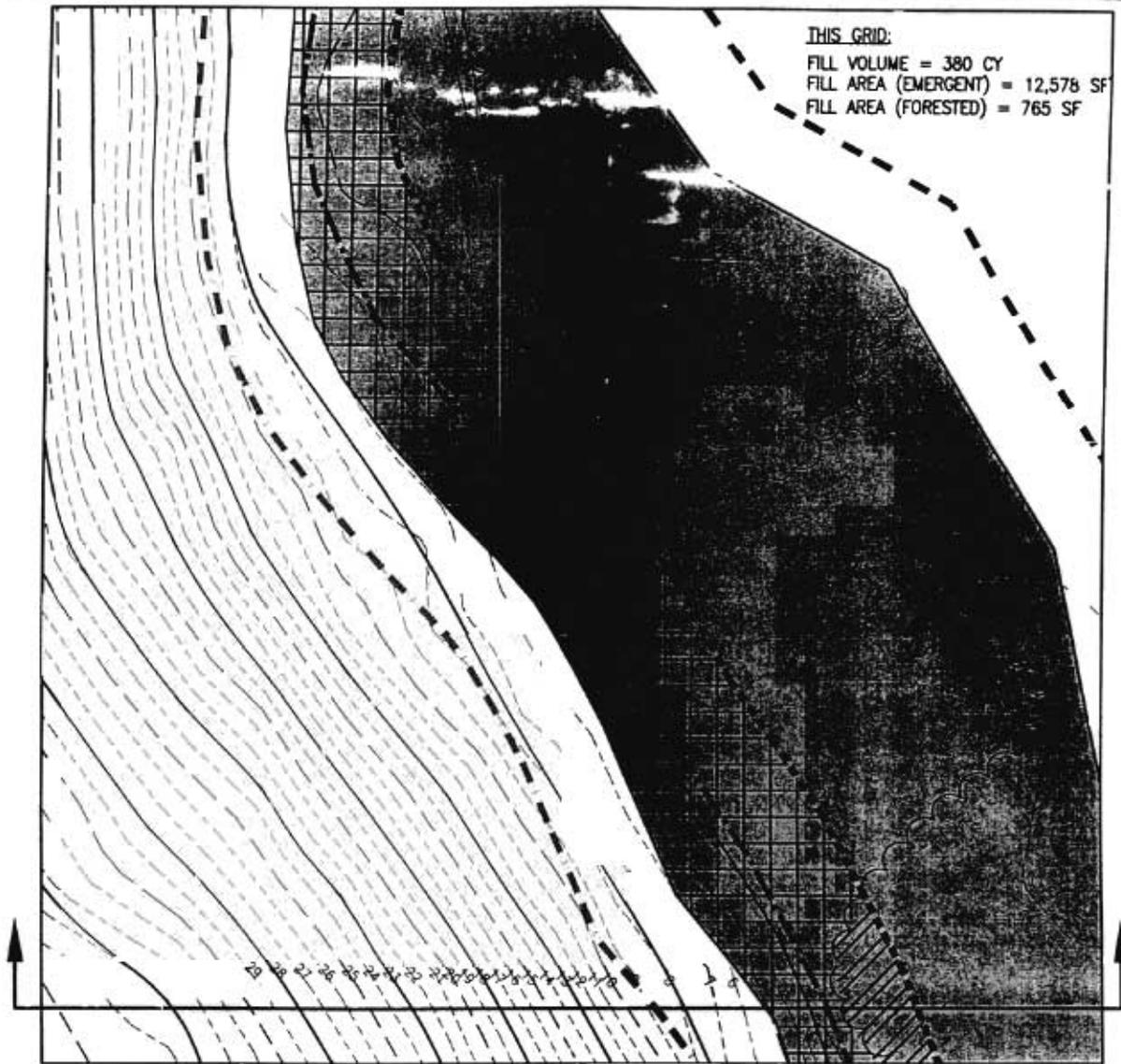


CROSS-SECTION
 SCALE: 1" = 100' H
 1" = 10' V

-  WETLAND FILL AREA
-  FINAL GRADE
-  EXISTING GRADE

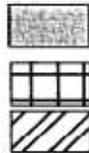
FILE PATH: G:\Projects\1060909\jen2003\Wetlands-Impact.dwg [Grid A]

 EA ENGINEERING, SCIENCE, AND TECHNOLOGY		POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND		WETLAND PERMIT			
PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 3 OF 13	FIGURE GRID A



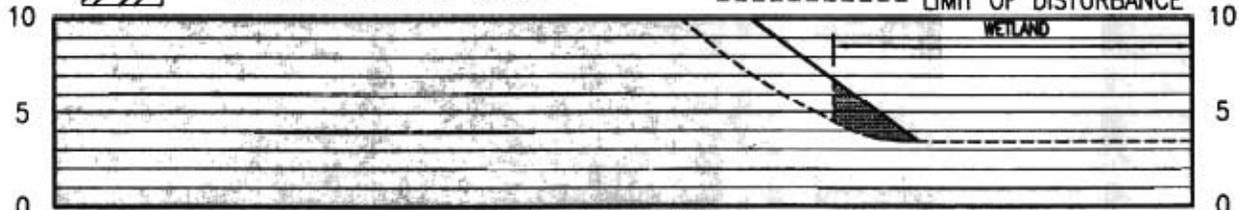
THIS GRID:
 FILL VOLUME = 380 CY
 FILL AREA (EMERGENT) = 12,578 SF
 FILL AREA (FORESTED) = 765 SF

LEGEND:



EXISTING WETLANDS
 EMERGENT WETLAND IMPACTS
 FORESTED WETLAND IMPACTS

--- LIMIT OF CLOSURE CAP
 - - - - 10 --- EXISTING GRADE
 - - - - 10 --- FINAL GRADE
 - - - - 25 --- 25-FT WETLAND BUFFER
 - - - - --- LIMIT OF DISTURBANCE



WETLAND FILL AREA

CROSS-SECTION
 SCALE: 1" = 100' H
 1" = 10' V

— FINAL GRADE
 - - - - EXISTING GRADE

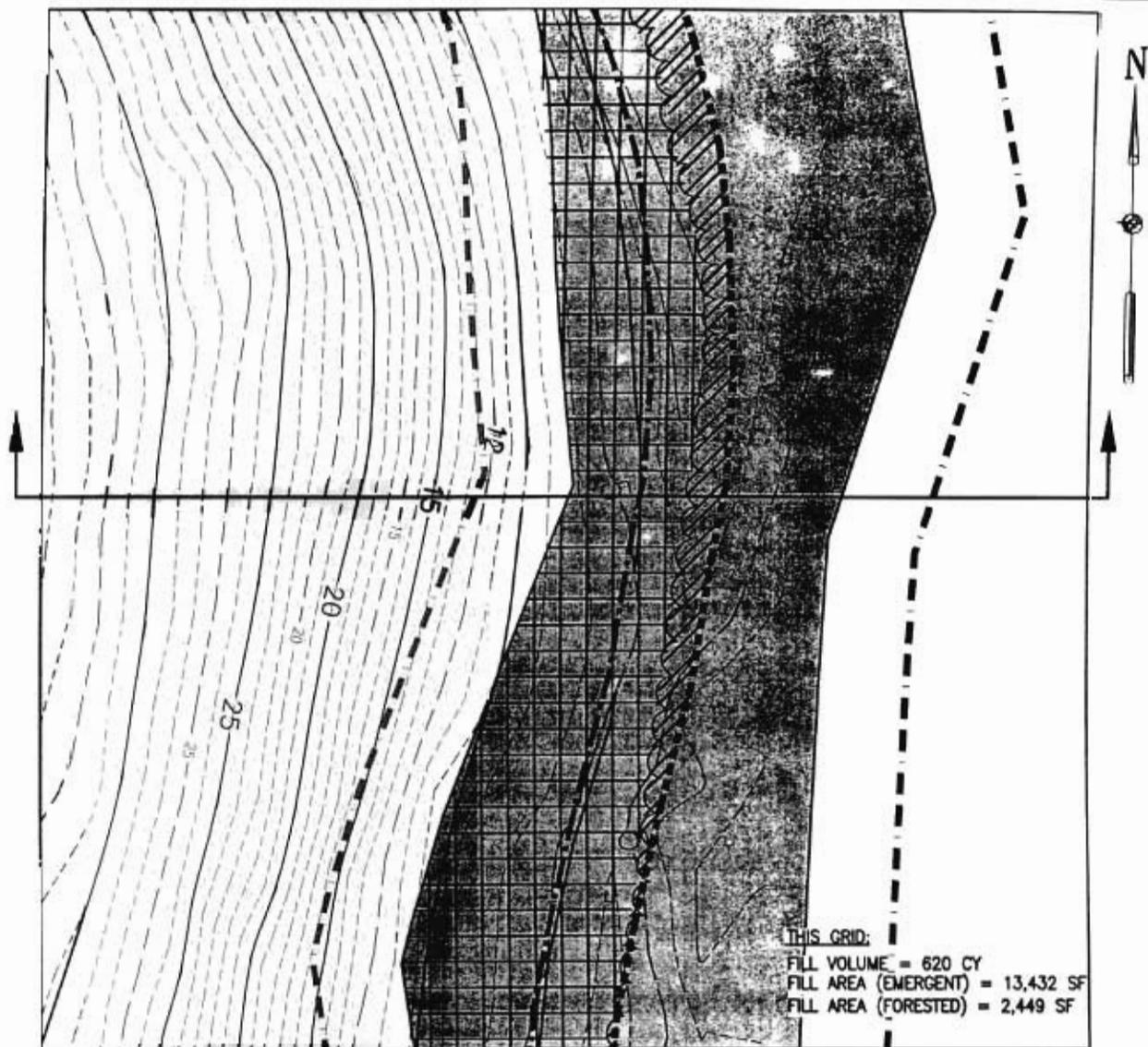
FILE PATH: G:\Projects\1065808\Grid\Wetlands-Impact.dwg [Grid B]



POCOMOKE LANDFILL CLOSURE
 WETLAND PERMIT
 WORCESTER COUNTY, MARYLAND

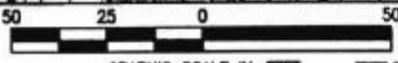
WETLAND PERMIT

PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 4 OF 13	FIGURE GRID B
--------------------	--------------------	-----------------	-------------------	-------------------	-----------------	------------------	------------------



THIS GRID:
 FILL VOLUME = 620 CY
 FILL AREA (EMERGENT) = 13,432 SF
 FILL AREA (FORESTED) = 2,449 SF

LEGEND:



- EXISTING WETLANDS
- EMERGENT WETLAND IMPACTS
- FORESTED WETLAND IMPACTS
- LIMIT OF CLOSURE CAP
- 10' EXISTING GRADE
- 10' FINAL GRADE
- 25-FT WETLAND BUFFER
- LIMIT OF DISTURBANCE



CROSS-SECTION
 SCALE: 1"=100' H
 1"=10' V

WETLAND FILL AREA

FINAL GRADE
 EXISTING GRADE



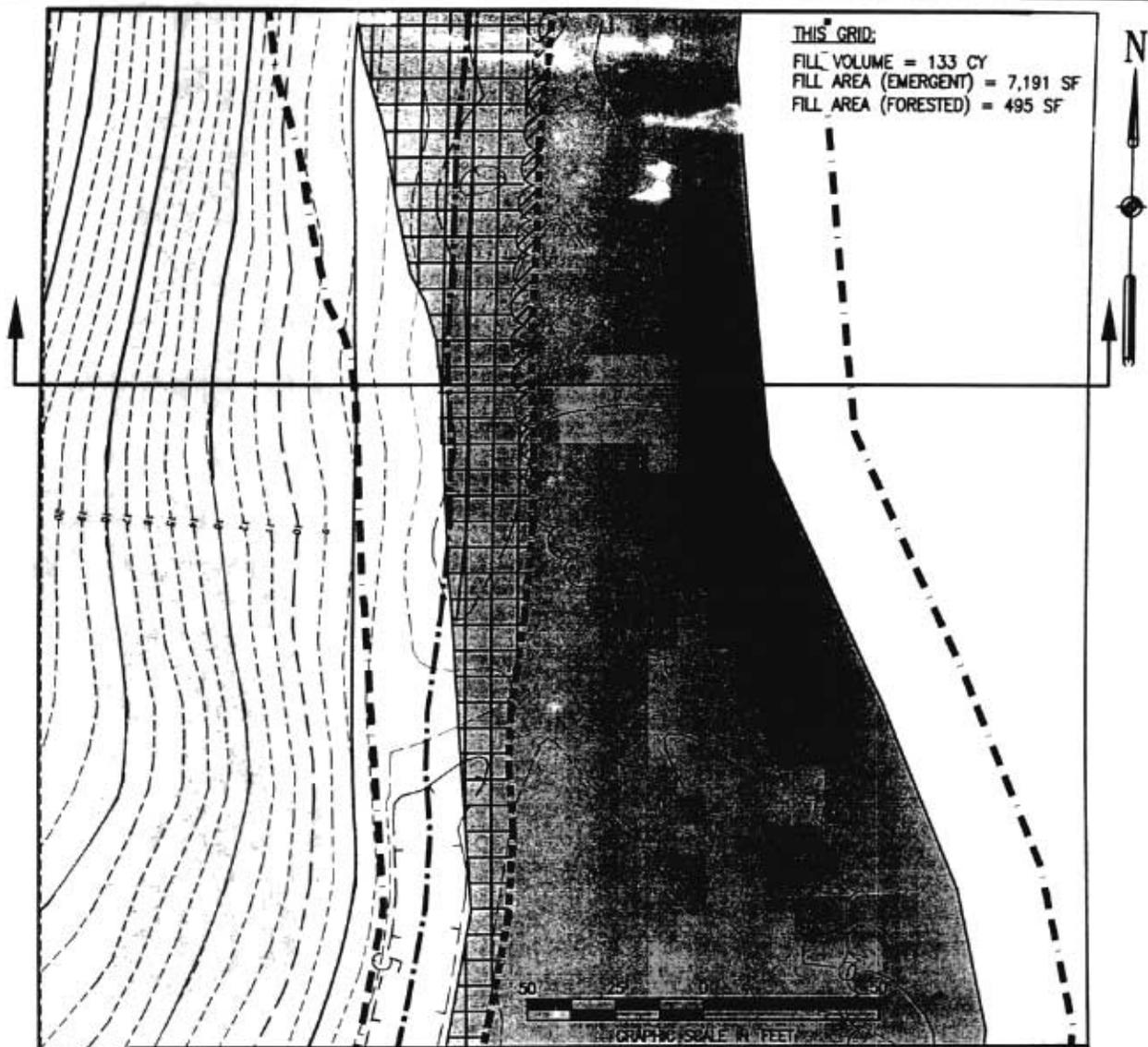
**EA ENGINEERING,
 SCIENCE, AND
 TECHNOLOGY**

**POCOMOKE LANDFILL CLOSURE
 WETLAND PERMIT**
 WORCESTER COUNTY, MARYLAND

WETLAND PERMIT

PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 5 OF 13	FIGURE GRID C
--------------------	--------------------	-----------------	-------------------	-------------------	-----------------	------------------	------------------

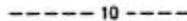
FILE PATH: Q:\Projects\1100009\landfill\landfill-impact.dwg [Grid C]



THIS GRID:
 FILL VOLUME = 133 CY
 FILL AREA (EMERGENT) = 7,191 SF
 FILL AREA (FORESTED) = 495 SF



LEGEND:

-  EXISTING WETLANDS
-  EMERGENT WETLAND IMPACTS
-  FORESTED WETLAND IMPACTS
-  LIMIT OF CLOSURE CAP
-  10' EXISTING GRADE
-  10' FINAL GRADE
-  25-FT WETLAND BUFFER
-  LIMIT OF DISTURBANCE

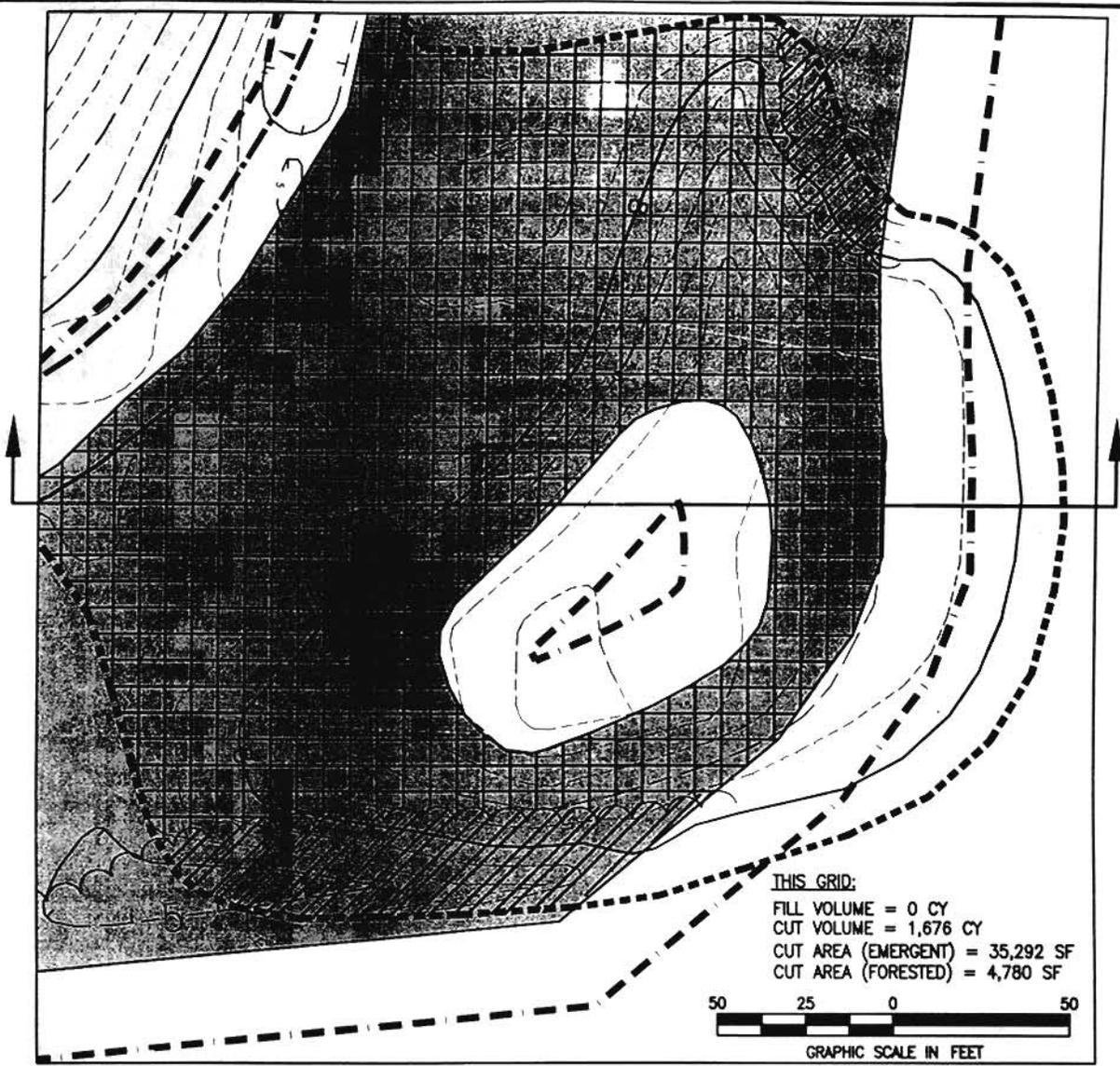


CROSS-SECTION
 SCALE: 1" = 100' H
 1" = 10' V

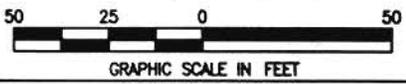
-  WETLAND FILL AREA
-  FINAL GRADE
-  EXISTING GRADE

FILE PATH: G:\Projects\1000000\1000000000\Wetlands-Impact.dwg (1 of 8)

 EA ENGINEERING, SCIENCE, AND TECHNOLOGY			POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND			WETLAND PERMIT	
PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 6 OF 13	FIGURE GRID D

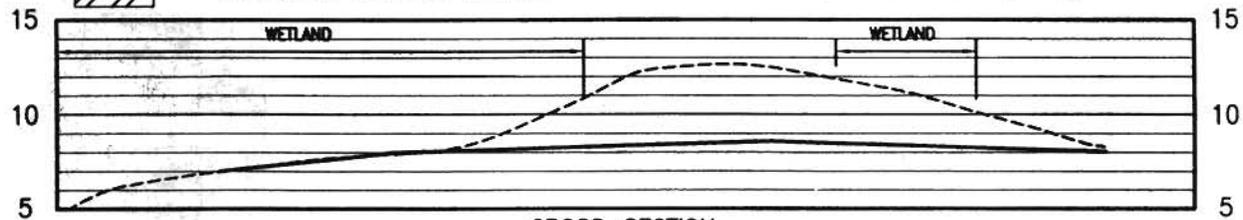


THIS GRID:
 FILL VOLUME = 0 CY
 CUT VOLUME = 1,676 CY
 CUT AREA (EMERGENT) = 35,292 SF
 CUT AREA (FORESTED) = 4,780 SF



LEGEND:

- | | | | |
|---|--------------------------|---|----------------------|
|  | EXISTING WETLANDS |  | LIMIT OF CLOSURE CAP |
|  | EMERGENT WETLAND IMPACTS |  | 10' EXISTING GRADE |
|  | FORESTED WETLAND IMPACTS |  | 10' FINAL GRADE |
| | |  | 25-FT WETLAND BUFFER |
| | |  | LIMIT OF DISTURBANCE |



CROSS-SECTION
 SCALE: 1" = 100' H
 1" = 10' V

— FINAL GRADE
 - - - EXISTING GRADE

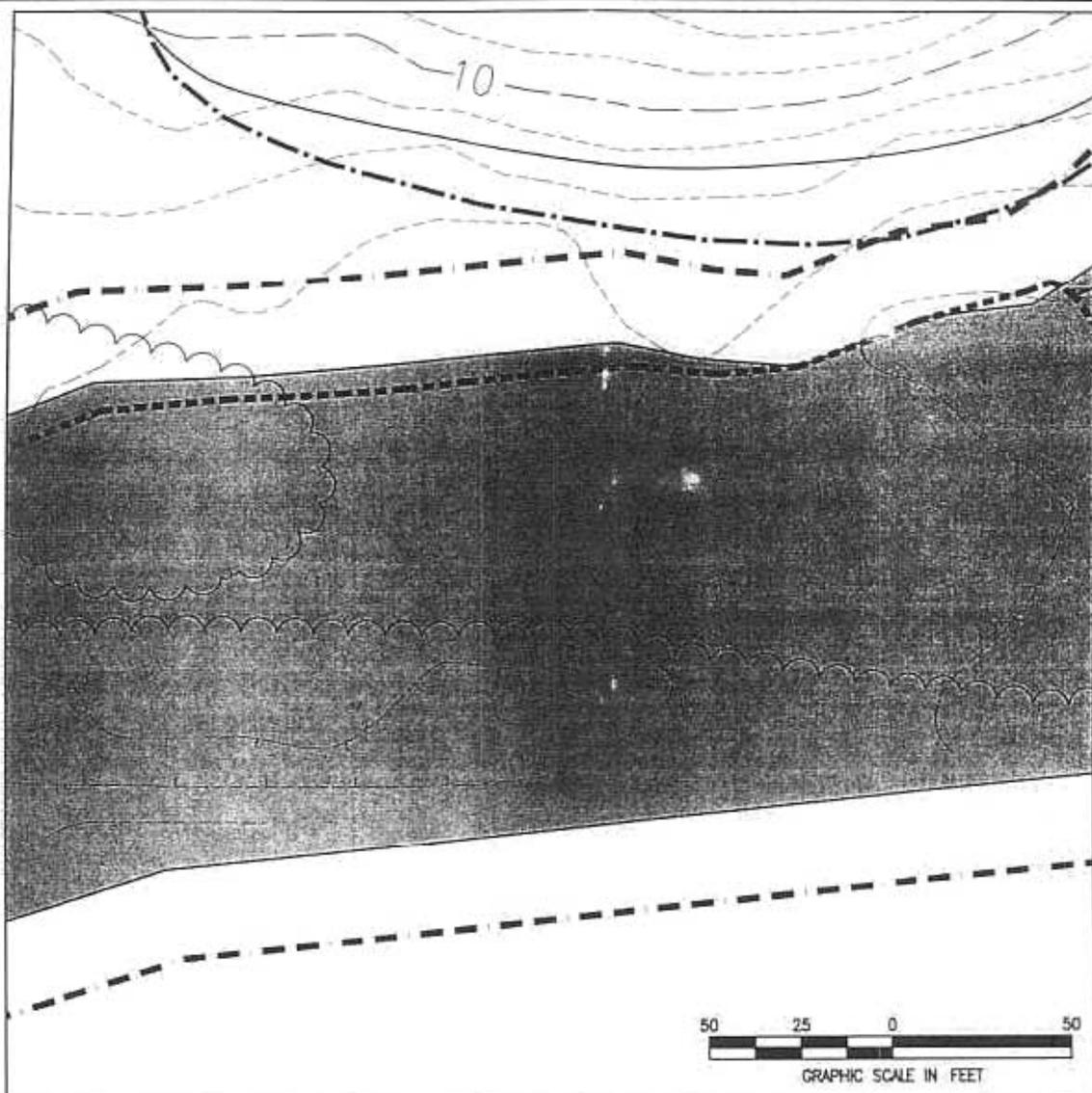
FILE PATH: G:\Projects\1060909\Jan2000\Wetlands-Impact.dwg [Grid E]

EA EA ENGINEERING, SCIENCE, AND TECHNOLOGY

POCOMOKE LANDFILL CLOSURE
 WETLAND PERMIT
 WORCESTER COUNTY, MARYLAND

WETLAND PERMIT

PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 7 OF 13	FIGURE GRID E
--------------------	--------------------	-----------------	-------------------	-------------------	-----------------	------------------	------------------



LEGEND:



EXISTING WETLANDS



EMERGENT WETLAND IMPACTS



FORESTED WETLAND IMPACTS

--- LIMIT OF CLOSURE CAP

- - - 10 --- EXISTING GRADE

- - - 10 --- FINAL GRADE

- - - 25-FT WETLAND BUFFER

- - - - - LIMIT OF DISTURBANCE

NO WETLAND IMPACTS - THIS EXHIBIT

P:\E-PA\H\ (LONKON) 0\Projects\1060909\1060909\Wetlands-Impact\Lang_Grid F



**EA ENGINEERING,
SCIENCE, AND
TECHNOLOGY**

**POCOMOKE LANDFILL CLOSURE
WETLAND PERMIT
WORCESTER COUNTY, MARYLAND**

WETLAND PERMIT

PROJECT MGR
CWL

DESIGNED BY
DOK

DRAWN BY
DOK

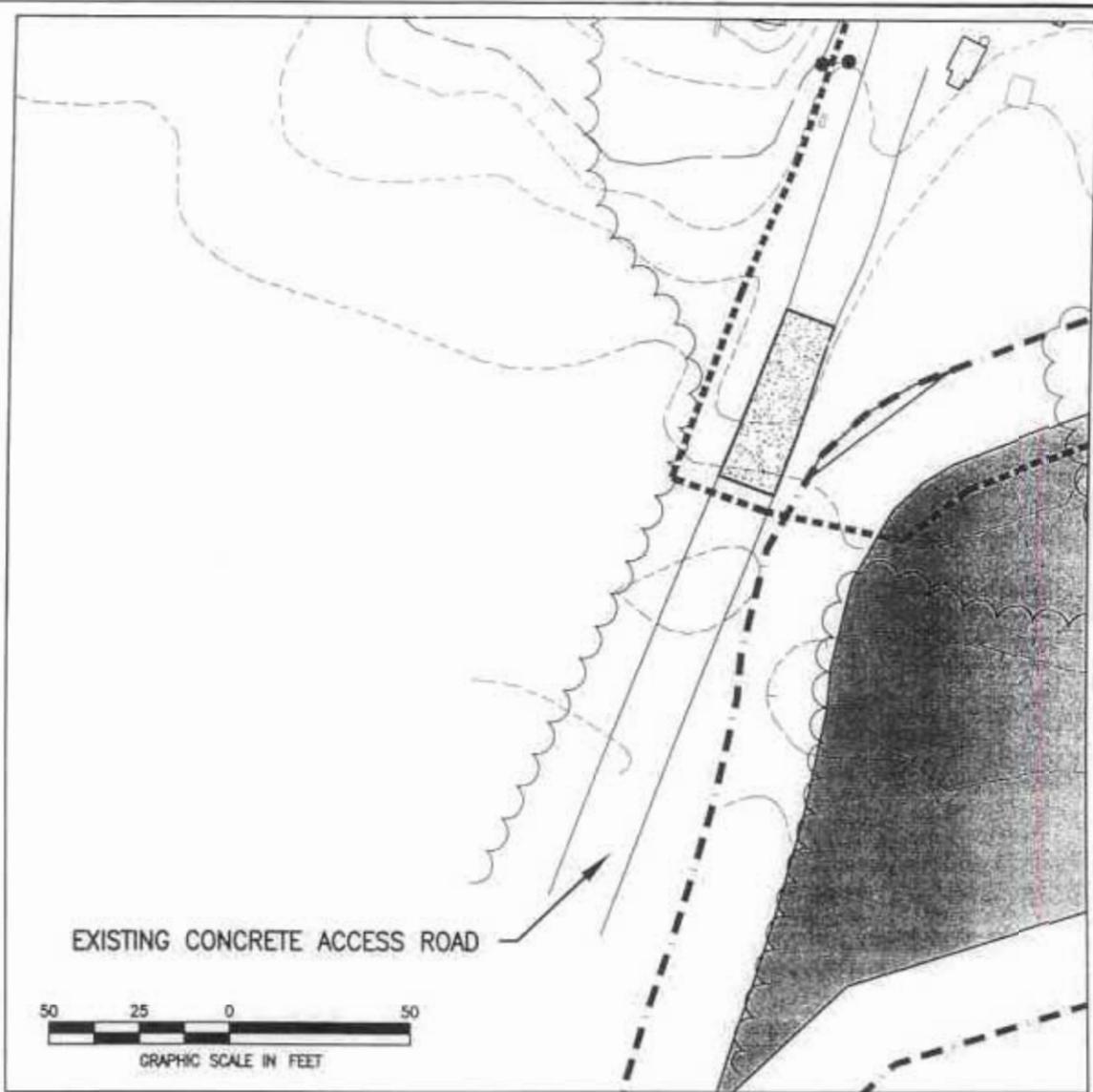
CHECKED BY
CWL

SCALE
AS SHOWN

DATE
2-20-03

SHEET
8 OF 13

FIGURE
GRID F



LEGEND:



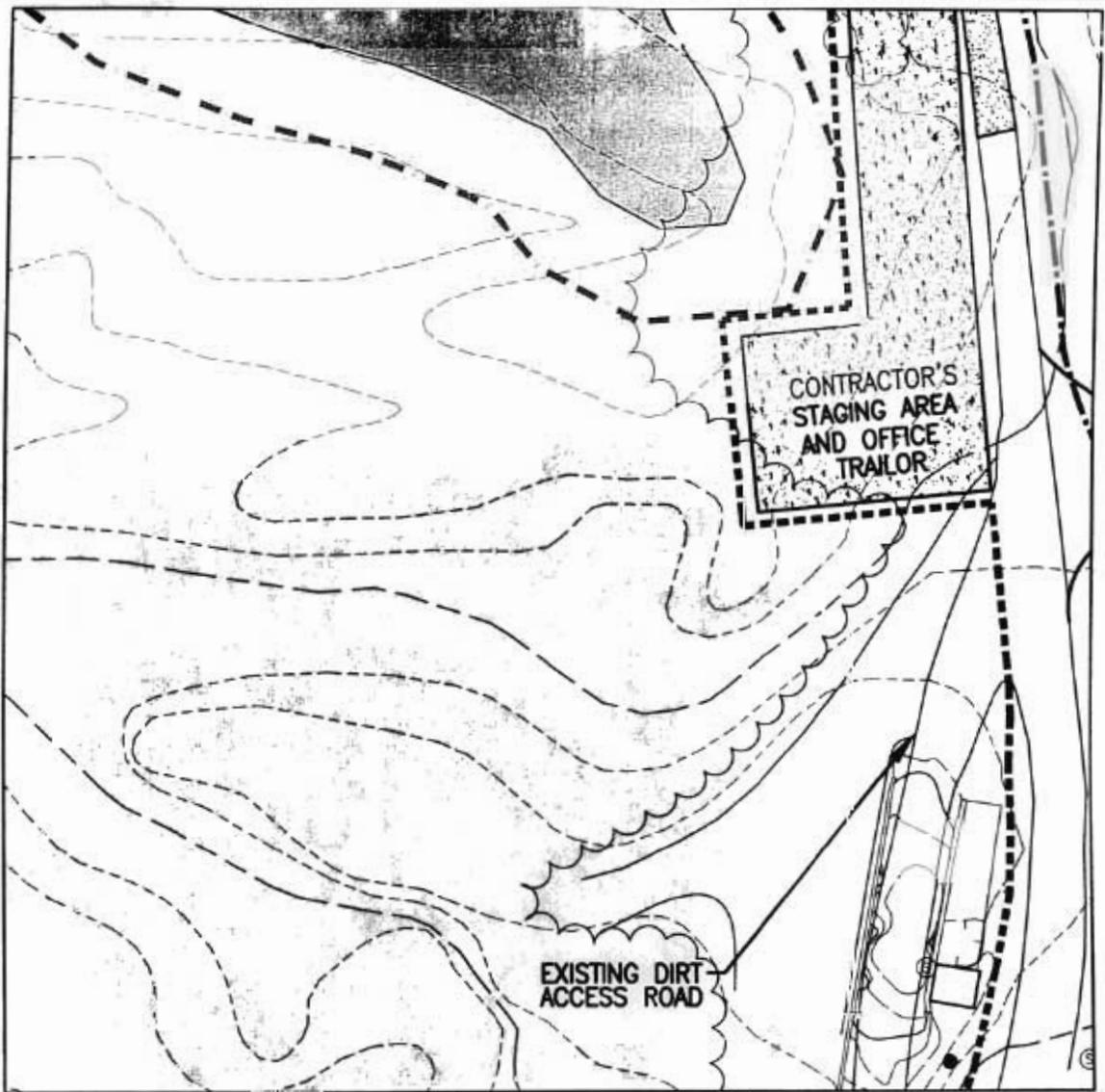
EXISTING WETLANDS
EMERGENT WETLAND IMPACTS
FORESTED WETLAND IMPACTS

--- LIMIT OF CLOSURE CAP
- - - 10 - - - EXISTING GRADE
— 10 — FINAL GRADE
- - - 25-FT WETLAND BUFFER
- - - - - LIMIT OF DISTURBANCE

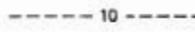
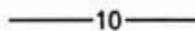
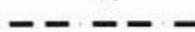
NO WETLAND IMPACTS – THIS EXHIBIT

FILE: \\h. 61\Projects\11080909\11080909\wpland\wpland-impact.dwg [10/15]

EA ENGINEERING, SCIENCE, AND TECHNOLOGY		POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND			WETLAND PERMIT		
PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 9 OF 13	FIGURE GRID G



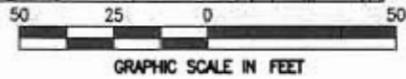
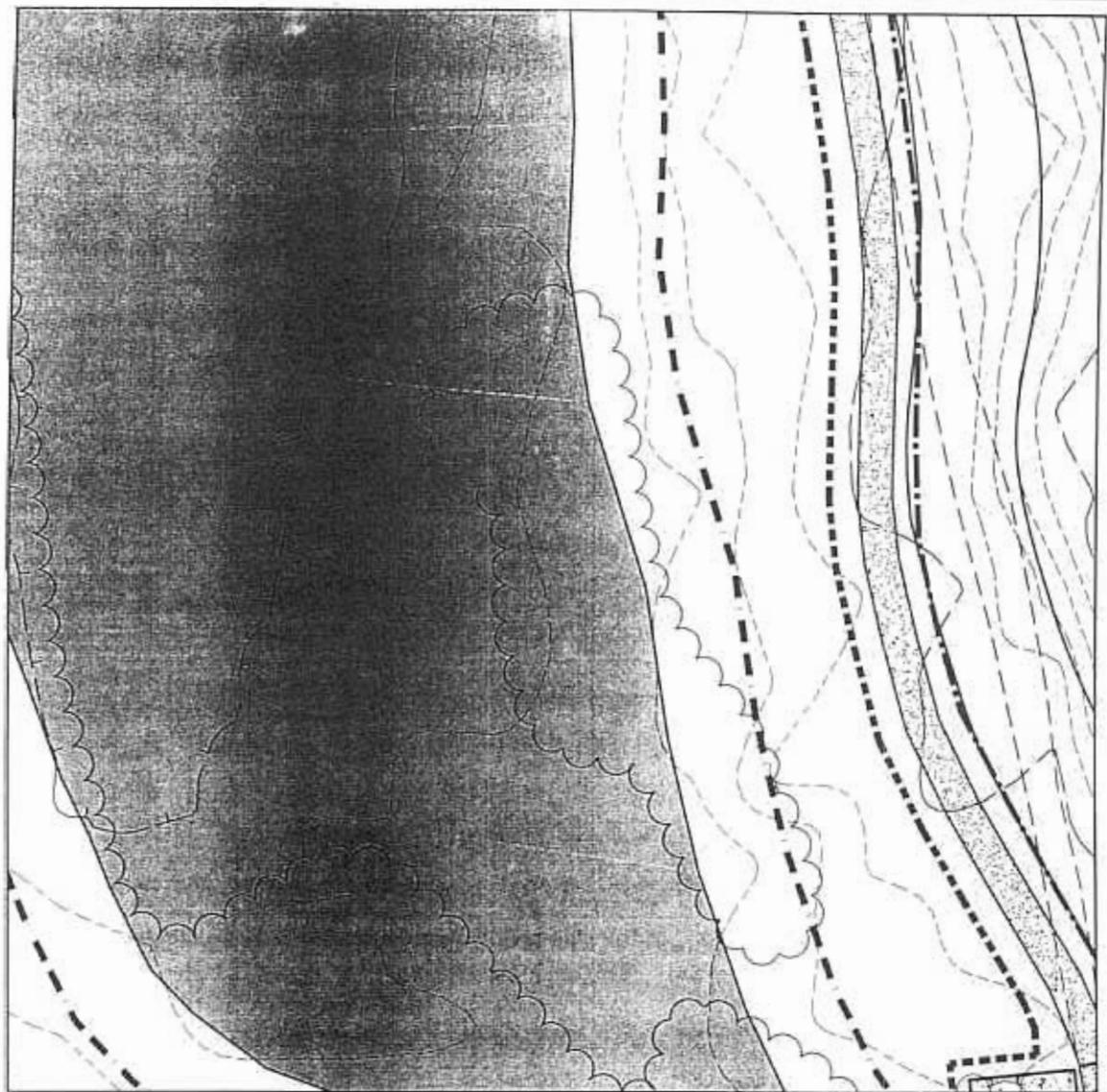
LEGEND:

-  EXISTING WETLANDS
-  EMERGENT WETLAND IMPACTS
-  FORESTED WETLAND IMPACTS
-  LIMIT OF CLOSURE CAP
-  10 EXISTING GRADE
-  10 FINAL GRADE
-  25-FT WETLAND BUFFER
-  LIMIT OF DISTURBANCE

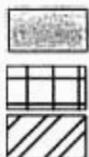
NO WETLAND IMPACTS - THIS EXHIBIT

FILE PATH: Q:\Projects\1050000\van\0000\Wetlands-Impact.dwg [Grid D]

 EA ENGINEERING, SCIENCE, AND TECHNOLOGY		POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND		WETLAND PERMIT			
PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 10 OF 13	FIGURE GRID H



LEGEND:



EXISTING WETLANDS
 EMERGENT WETLAND IMPACTS
 FORESTED WETLAND IMPACTS

--- LIMIT OF CLOSURE CAP
 - - - 10 - - - EXISTING GRADE
 ——— 10 ——— FINAL GRADE
 - - - 25 - - - 25-FT WETLAND BUFFER
 ······ LIMIT OF DISTURBANCE

NO WETLAND IMPACTS – THIS EXHIBIT

FILE PATH: G:\Projects\1660001\loc2000\Wetlands-impact.dwg [Grid 1]



POCOMOKE LANDFILL CLOSURE
 WETLAND PERMIT
 WORCESTER COUNTY, MARYLAND

WETLAND PERMIT

PROJECT MGR
 CWL

DESIGNED BY
 DOK

DRAWN BY
 DOK

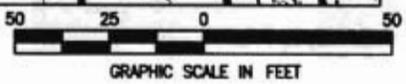
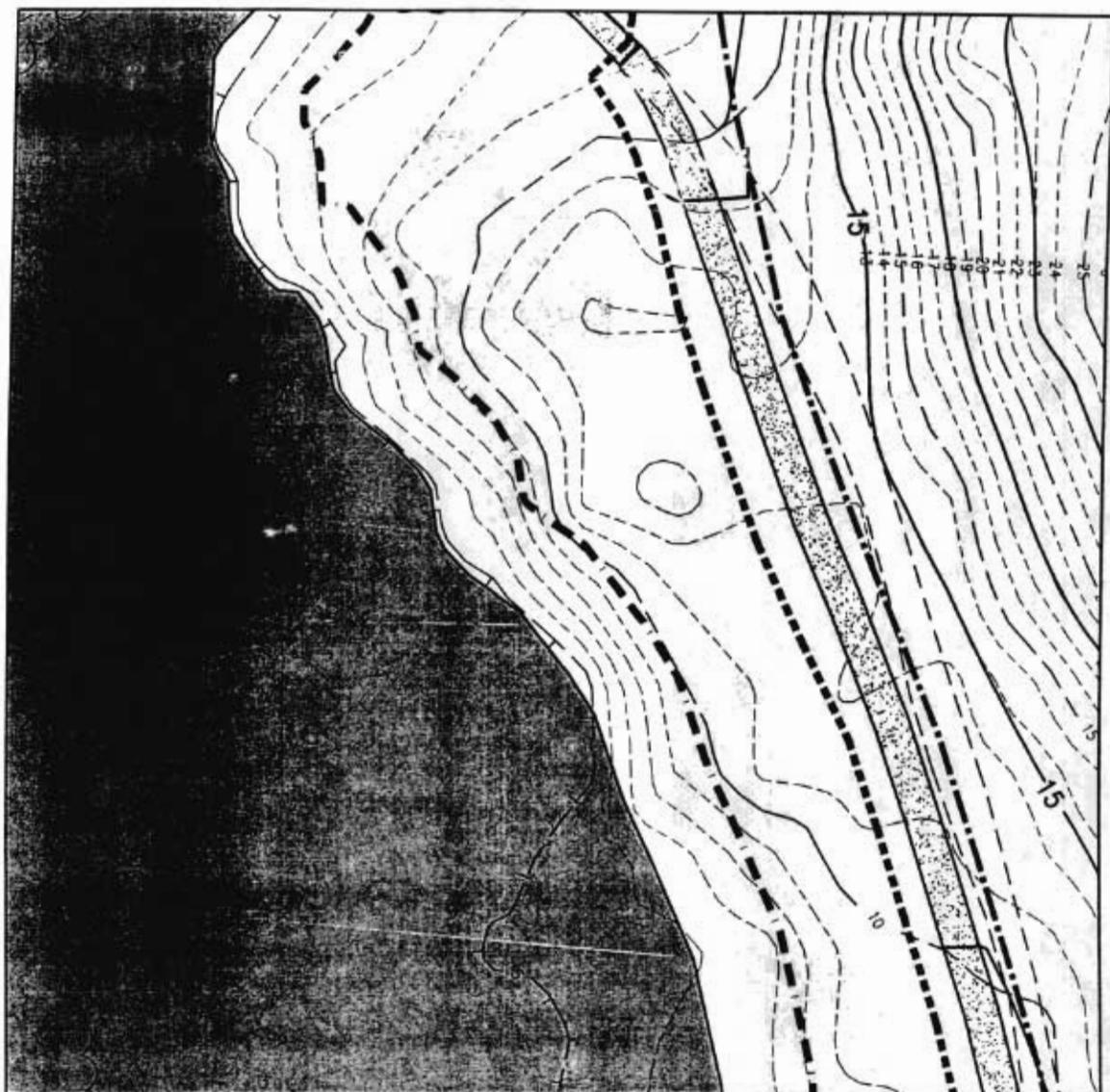
CHECKED BY
 CWL

SCALE
 AS SHOWN

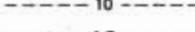
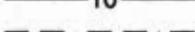
DATE
 2-20-03

SHEET
 11 OF 13

FIGURE
 GRID 1



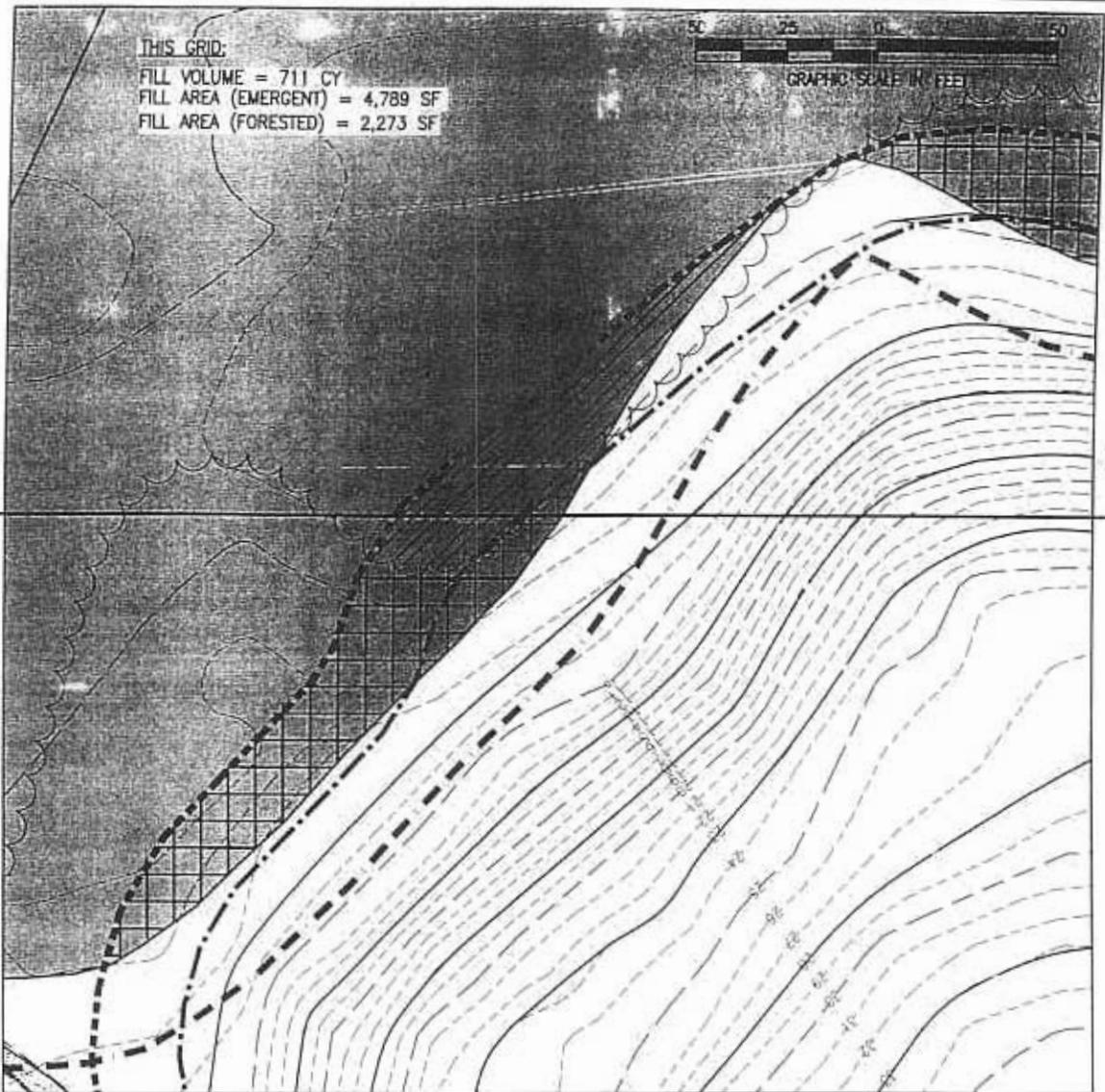
LEGEND:

-  EXISTING WETLANDS
-  EMERGENT WETLAND IMPACTS
-  FORESTED WETLAND IMPACTS
-  LIMIT OF CLOSURE CAP
-  10 EXISTING GRADE
-  10 FINAL GRADE
-  25-FT WETLAND BUFFER
-  LIMIT OF DISTURBANCE

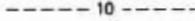
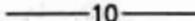
NO WETLAND IMPACTS - THIS EXHIBIT

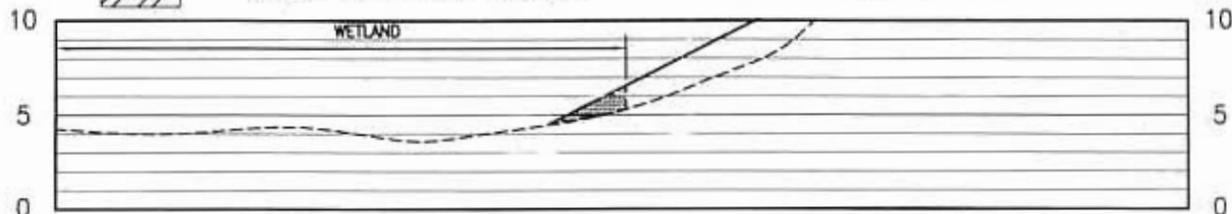
FILE PATH: G:\Projects\1060009\1060009\Wetlands-Import.dwg [Grid J]

 EA ENGINEERING, SCIENCE, AND TECHNOLOGY		POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND			WETLAND PERMIT		
PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 12 OF 13	FIGURE GRID J



LEGEND:

- | | | | |
|---|--------------------------|---|----------------------|
|  | EXISTING WETLANDS |  | LIMIT OF CLOSURE CAP |
|  | EMERGENT WETLAND IMPACTS |  | EXISTING GRADE |
|  | FORESTED WETLAND IMPACTS |  | FINAL GRADE |
| | |  | 25-FT WETLAND BUFFER |
| | |  | LIMIT OF DISTURBANCE |



- | | | | | |
|---|-------------------|----------------------|--|----------------|
|  | WETLAND FILL AREA | CROSS-SECTION |  | FINAL GRADE |
| | | SCALE: 1"=100' H |  | EXISTING GRADE |
| | | 1"=10' V | | |

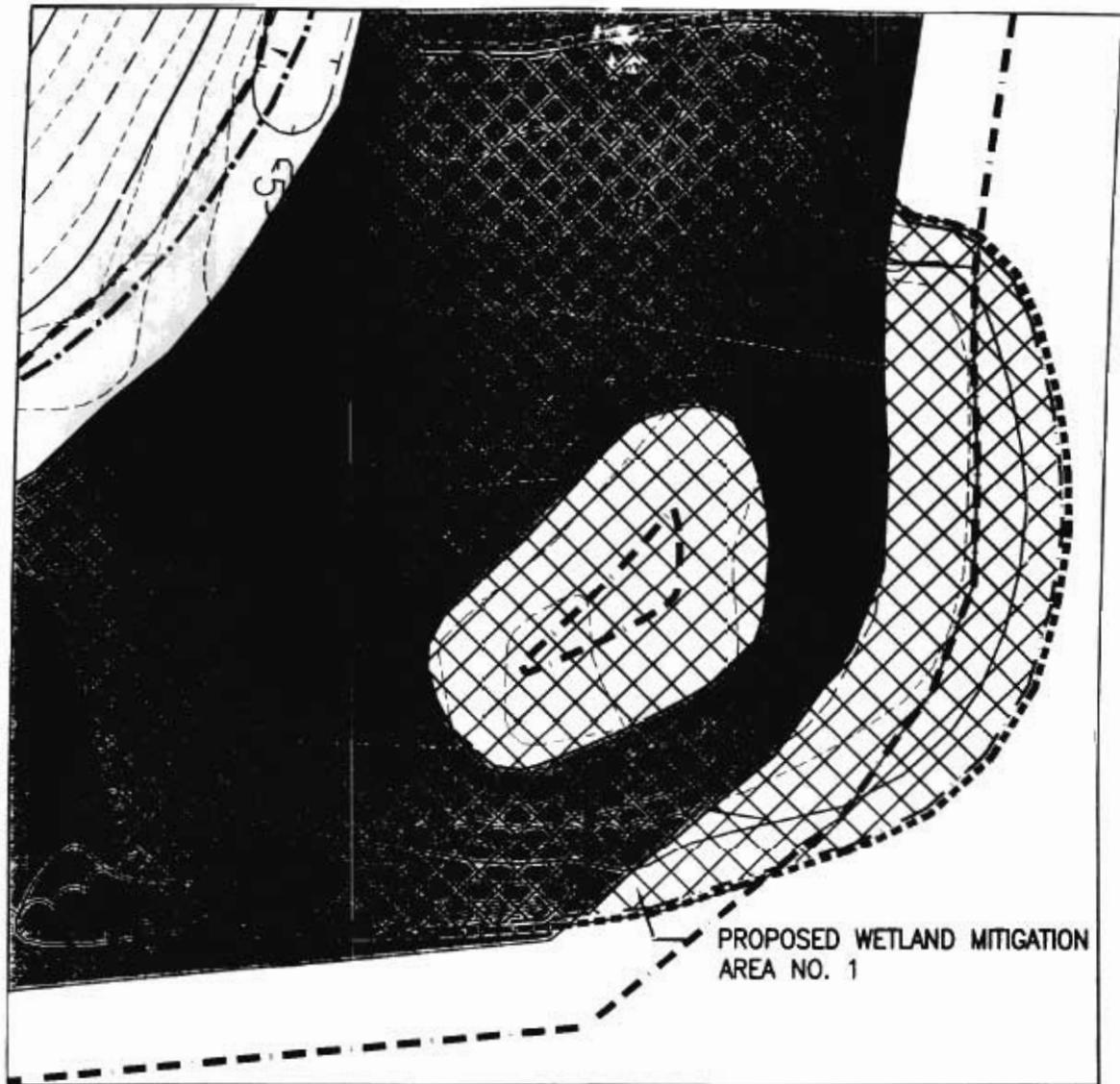
FILE PATH: Q:\Projects\1000009\Jan2003\Wetland-Impact.dwg [Grid K]

 EA ENGINEERING, SCIENCE, AND TECHNOLOGY			POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND			WETLAND PERMIT		
PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 13 OF 13	FIGURE GRID K	

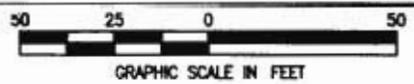
TABLE 2. PROPOSED NATIVE VEGETATION SPECIES FOR THE POCOMOKE SANITARY LANDFILL WETLAND MITIGATION PROJECT

Quantity	Spacing (feet)	Scientific Name	Common Name	Wetland Status	Layer	Planting Zone
50	10	<i>Acer rubrum</i>	Red Maple*	FAC	Hardwood tree, mid-canopy	A
50	10	<i>Liquidambar styraciflua</i>	Sweetgum*	FAC	Hardwood tree, canopy	A
50	10	<i>Fraxinus pennsylvanica</i>	Green Ash	FACW	Hardwood tree, canopy	A
50	10	<i>Quercus palustris</i>	Pin Oak	FACW	Hardwood tree, canopy	A
Total: 200						
35	10	<i>Aronia arbutifolia</i>	Red Chokeberry	FACW	Shrub	A
35	10	<i>Cornus amomum</i>	Silky Dogwood	FACW	Shrub	A
35	10	<i>Sambucus canadensis</i>	Elderberry	FACW-	Shrub	A
Total: 105						
600	3	<i>Asclepias incarnata</i>	Swamp Milkweed	OBL	Herbaceous	B
600	3	<i>Carex crinita or Carex lurida</i>	Fringed Sedge or Lurid Sedge	OBL	Herbaceous	B
600	3	<i>Hibiscus moscheutos</i>	Swamp Rose Mallow*	OBL	Herbaceous	B
800	3	<i>Juncus effusus</i>	Soft Rush*	FACW+	Herbaceous	B
800	3	<i>Panicum virgatum</i>	Switchgrass	FAC	Herbaceous	B
600	3	<i>Vernonia noveboracensis</i>	New York Ironweed	FACW+	Herbaceous	B
Total: 4,000						

*Plant species observed on-site during field investigation.



PROPOSED WETLAND MITIGATION
AREA NO. 1

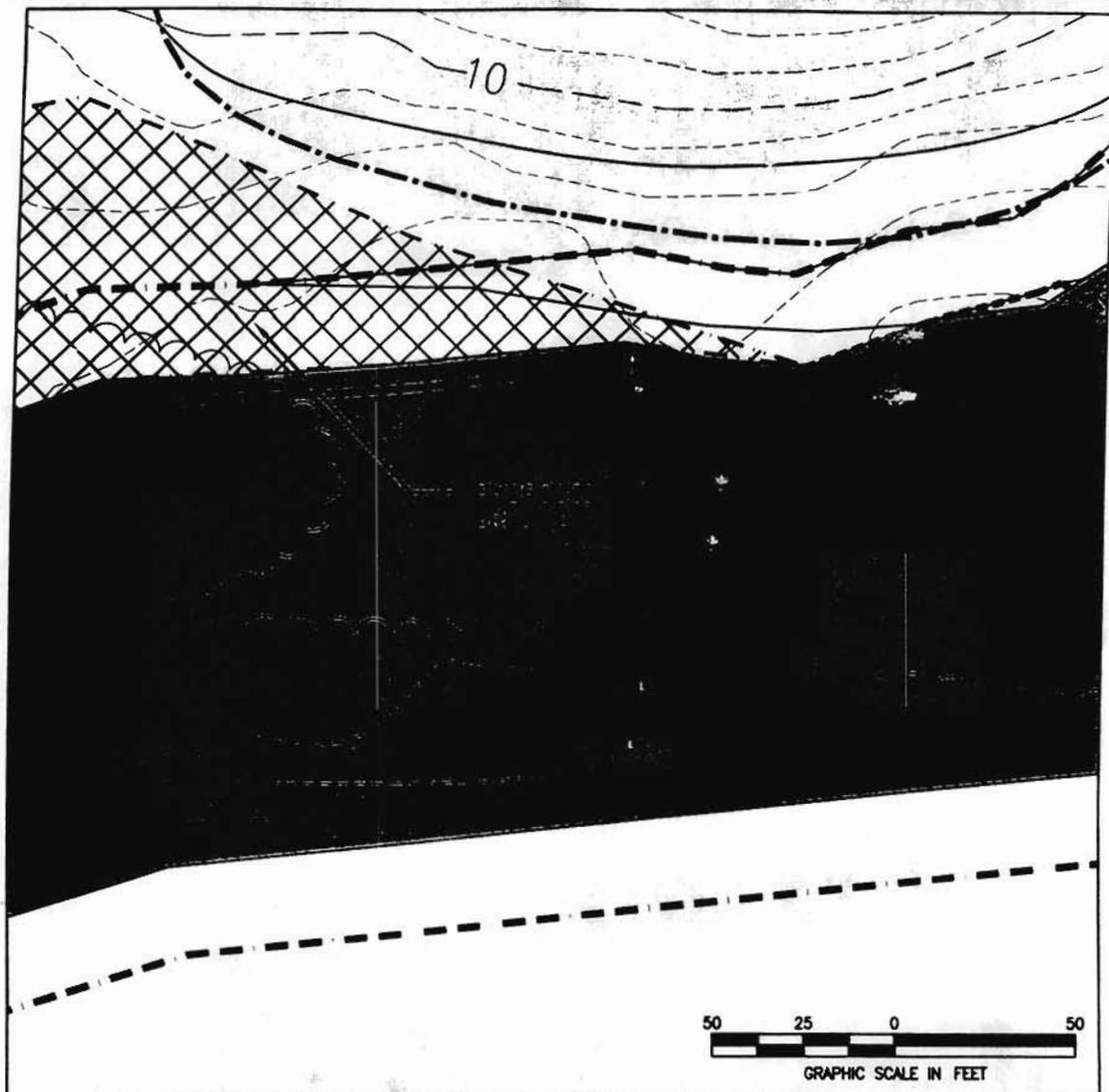


LEGEND:

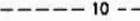
- EXISTING WETLANDS
- PROPOSED MITIGATION AREA
- 10' EXISTING GRADE
- 10' FINAL GRADE
- 25-FT WETLAND BUFFER
- LIMIT OF DISTURBANCE
- LIMIT OF PROPOSED MITIGATION
- LIMIT OF CLOSURE CAP

FILE PATH: G:\Projects\100909\Jan2003\Wetlands-impact-441040101.dwg [Grid E]

	EA ENGINEERING, SCIENCE, AND TECHNOLOGY		POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND			WETLAND MITIGATION AREA NO. 2	
	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03	SHEET 1 OF 5	FIGURE GRID E



LEGEND:

- | | | | |
|---|--------------------------|---|------------------------------|
|  | EXISTING WETLANDS |  | 25-FT WETLAND BUFFER |
|  | PROPOSED MITIGATION AREA |  | LIMIT OF DISTURBANCE |
|  | EXISTING GRADE |  | LIMIT OF PROPOSED MITIGATION |
|  | FINAL GRADE |  | LIMIT OF CLOSURE CAP |

FILE: A:\Projects\100909\100909.dwg [03/17]



**EA ENGINEERING,
SCIENCE, AND
TECHNOLOGY**

**POCOMOKE LANDFILL CLOSURE
WETLAND PERMIT
WORCESTER COUNTY, MARYLAND**

WETLAND MITIGATION AREA NO. 3

PROJECT MGR
CWL

DESIGNED BY
DOK

DRAWN BY
DOK

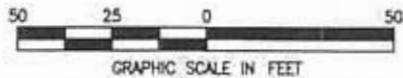
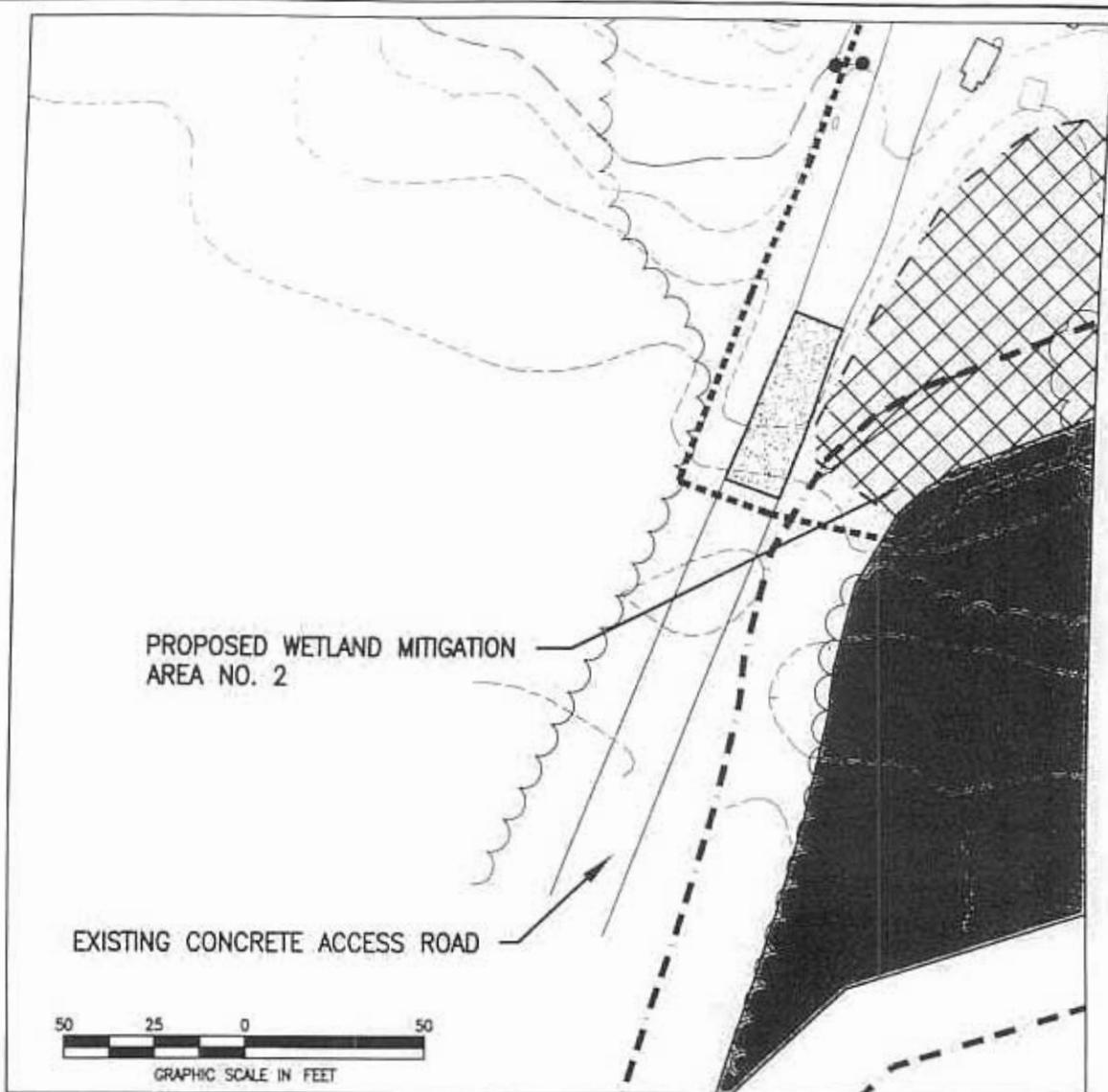
CHECKED BY
CWL

SCALE
AS SHOWN

DATE
2-20-03

SHEET
2 OF 5

FIGURE
GRID F

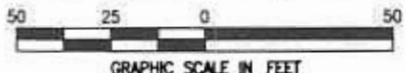
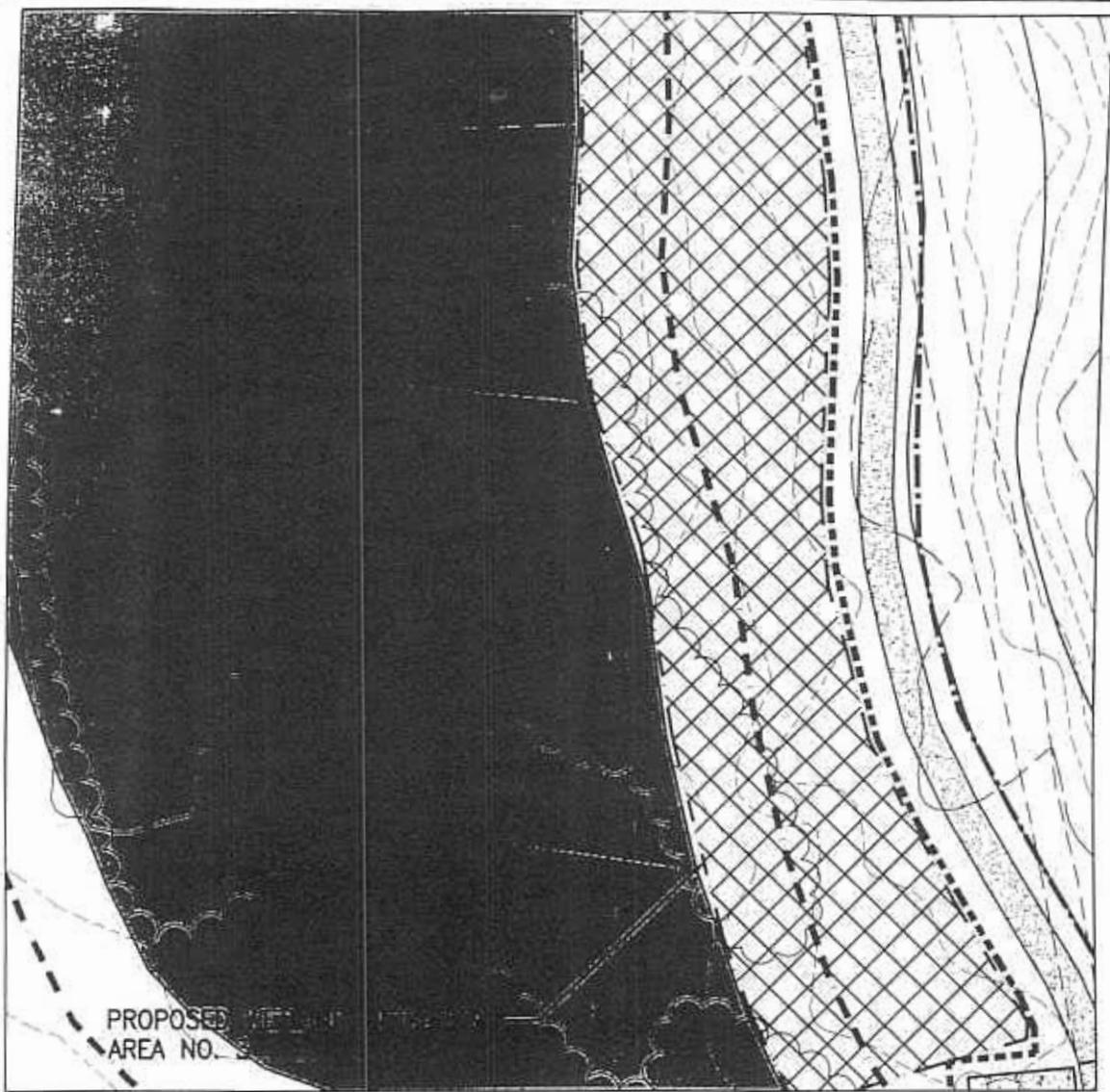


LEGEND:

- | | | | |
|---|--------------------------|---|------------------------------|
|  | EXISTING WETLANDS |  | 25-FT WETLAND BUFFER |
|  | PROPOSED MITIGATION AREA |  | LIMIT OF DISTURBANCE |
|  | EXISTING GRADE |  | LIMIT OF PROPOSED MITIGATION |
|  | FINAL GRADE |  | LIMIT OF CLOSURE CAP |

FILE PATH: D:\Projects\100999\100999\Wetlands\Impact-Mitigation.dwg [Grid G]

 EA ENGINEERING, SCIENCE, AND TECHNOLOGY		POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND		WETLAND MITIGATION AREA NO. 2	
PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03
				SHEET 3 OF 5	FIGURE GRID G



LEGEND:

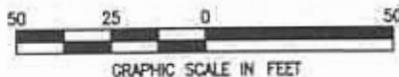
- EXISTING WETLANDS
- PROPOSED MITIGATION AREA
- 10' EXISTING GRADE
- 10' FINAL GRADE
- 25-FT WETLAND BUFFER
- LIMIT OF DISTURBANCE
- LIMIT OF PROPOSED MITIGATION
- LIMIT OF CLOSURE CAP

FILE PATH: 2 \Projects\106909\106909\106909\Wetlands-Impact-Mitigation.dwg [14.1]

		POCOMOKE LANDFILL CLOSURE WETLAND PERMIT <small>WORCESTER COUNTY, MARYLAND</small>			WETLAND MITIGATION AREA NO. 1		
		PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03



PROPOSED WETLAND MITIGATION AREA NO. 1



LEGEND:

- EXISTING WETLANDS
- PROPOSED MITIGATION AREA
- 10' EXISTING GRADE
- 10' FINAL GRADE
- 25-FT WETLAND BUFFER
- LIMIT OF DISTURBANCE
- LIMIT OF PROPOSED MITIGATION
- LIMIT OF CLOSURE CAP

FILE PATH: G:\Projects\1060205\1060205\Wetlands-impact-mitigation.dwg [Sheet 1]

EA ENGINEERING, SCIENCE, AND TECHNOLOGY		POCOMOKE LANDFILL CLOSURE WETLAND PERMIT WORCESTER COUNTY, MARYLAND			WETLAND MITIGATION AREA NO. 1		
		PROJECT MGR CWL	DESIGNED BY DOK	DRAWN BY DOK	CHECKED BY CWL	SCALE AS SHOWN	DATE 2-20-03