



## CERTIFICATE OF AUTHENTICITY

THIS IS TO CERTIFY THAT THE FOLLOWING ELECTRONIC RECORDS ARE TRUE AND ACCURATE REPRODUCTIONS OF THE ORIGINAL RECORDS OF JAMES CITY COUNTY GENERAL SERVICES DEPARTMENT- STORMWATER DIVISION; WERE SCANNED IN THE REGULAR COURSE OF BUSINESS PURSUANT TO GUIDELINES ESTABLISHED BY THE LIBRARY OF VIRGINIA AND ARCHIVES; AND HAVE BEEN VERIFIED IN THE CUSTODY OF THE INDIVIDUAL LISTED BELOW.

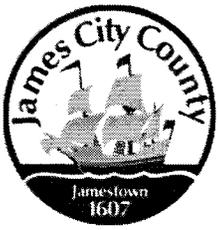
**BMP NUMBER:** PC179

**DATE VERIFIED:** November 2, 2012

**QUALITY ASSURANCE TECHNICIAN:** Leah Hardenbergh



**LOCATION:** WILLIAMSBURG, VIRGINIA



# Stormwater Division

## MEMORANDUM

**DATE:** March 9, 2010  
**TO:** Michael J. Gillis, Virginia Correctional Enterprises Document Management Services  
**FROM:** Jo Anna Ripley, Stormwater  
**PO:** 270712  
**RE:** Files Approved for Scanning

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**General File ID or BMP ID:** PC179

**PIN:** 3221200001A

**Subdivision, Tract, Business or Owner**

**Name (if known):**

Scotts Pond

**Property Description:**

Open Area Section 1A

**Site Address:**

*(For internal use only)*

**Box** 6

**Drawer:** 3

**Agreements:** (in file as of scan date)

N

**Book or Doc#:**

**Page:**

Comments

OPEN SPACE

FUTURE DEVELOPMENT

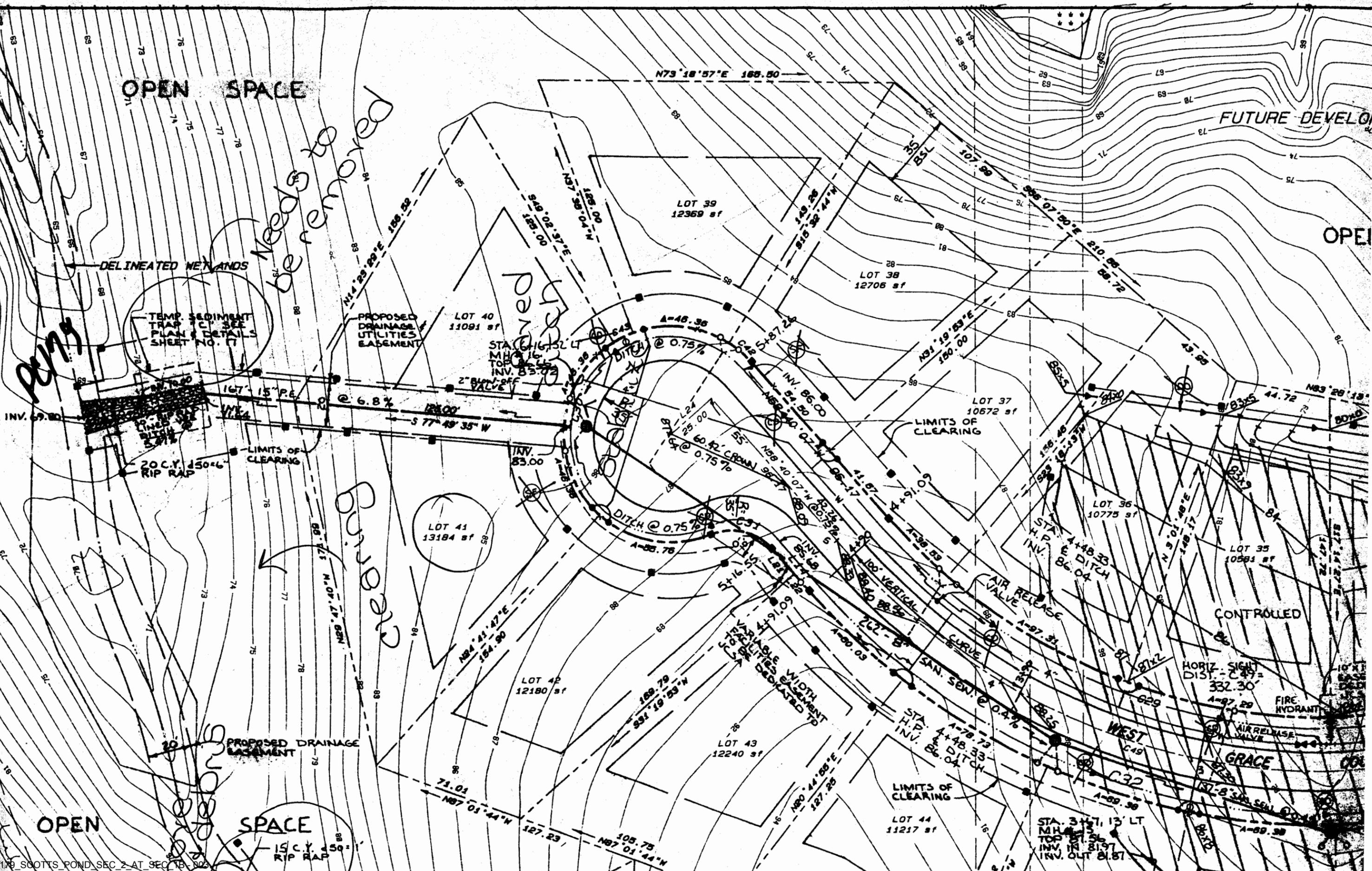
OPEN

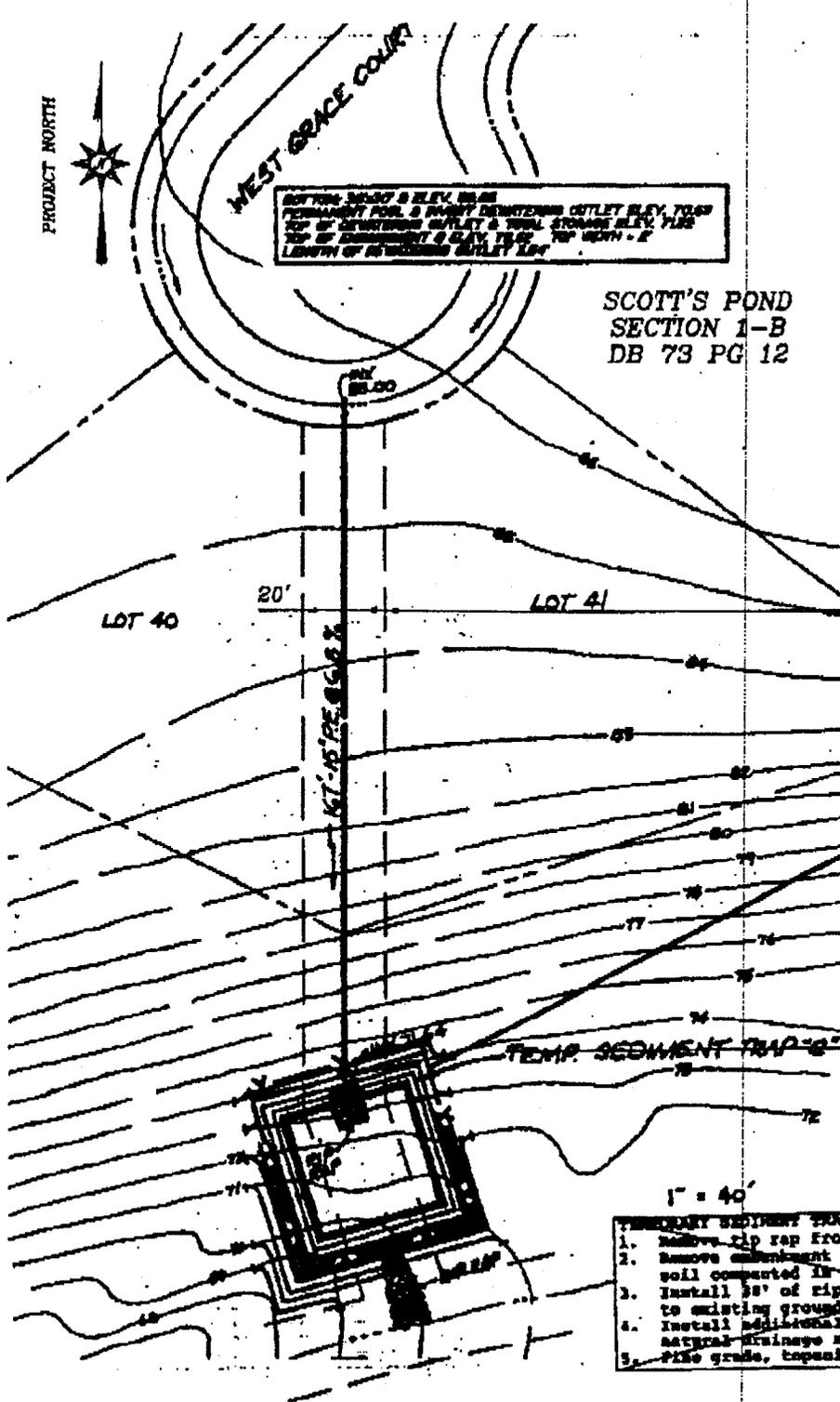
*Needs to be removed*

*Drain*

*Drain*

*am*

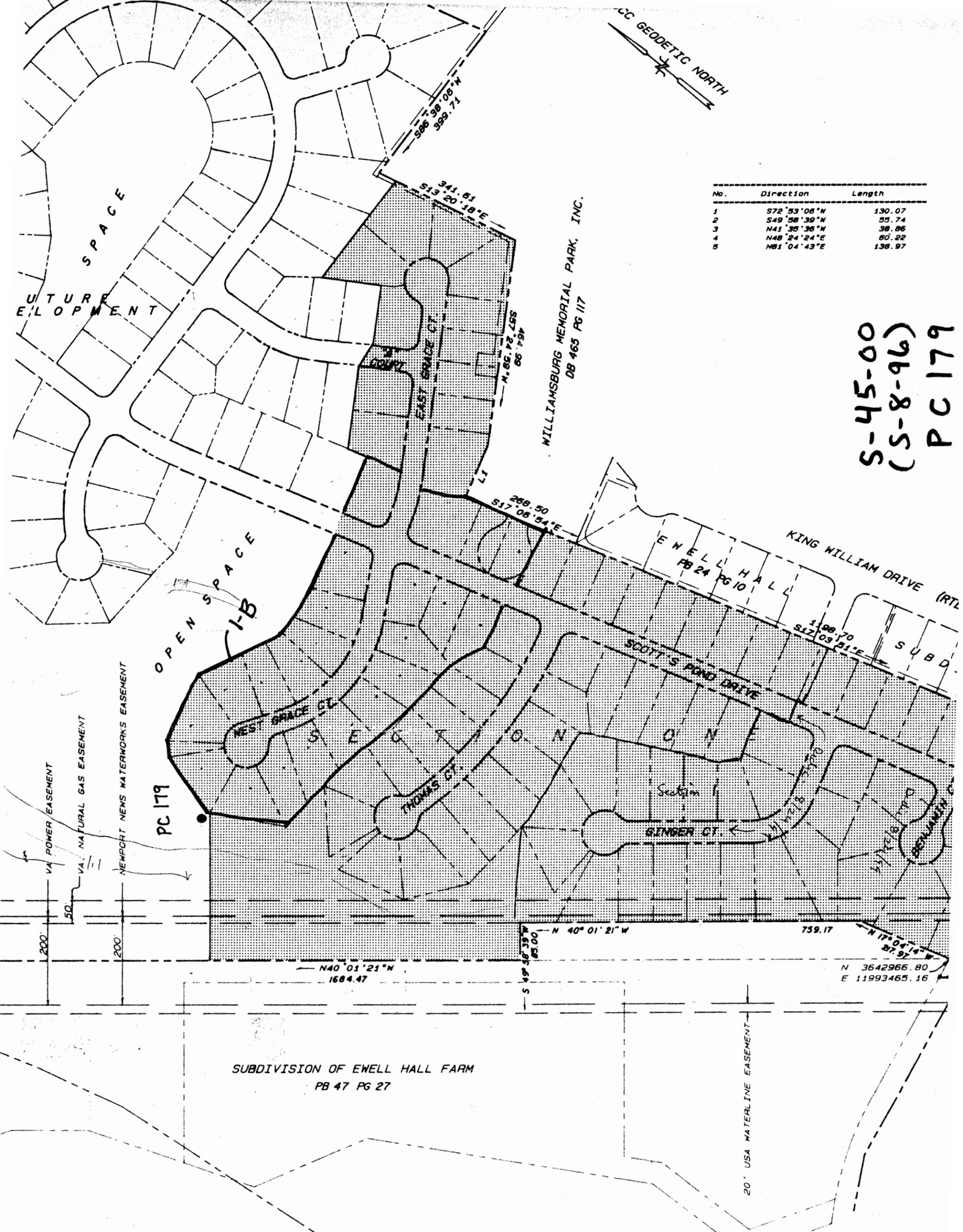




BOX TOP: 26.27 @ ELEV. 78.88  
 PERMANENT POOL @ INVERT DEWATERING OUTLET ELEV. 79.69  
 TOP OF DEWATERING OUTLET & TYPICAL STORAGE ELEV. 79.88  
 TOP OF DEWATERING @ ELEV. 79.88 TOP WIDTH = 2'  
 LENGTH OF DEWATERING OUTLET 10'

- SEDIMENT FOREBAY SECTION J**
- HAND CLEAR ALL WOODY VEGETATION FROM BANKS OF EXISTING TRAP.
  - REMOVE ACCUMULATED SEDIMENT FROM TRAP & REGRADE NORTHERN SLOPES TO MAX. OF 3:1
  - REMOVE EXISTING OUTFALL STRUCTURE AND REPLACE RIPRAP TO A LEVEL 1' BELOW THE TOP OF EXISTING BEEM.
  - SEED ALL DENuded AREAS TO REStABILIZE.
  - INSTALL FENCE AT TOP OF BANK AROUND PERIMETER OF TRAP AS SHOWN.

- TEMPORARY SEDIMENT TRAP REMOVAL**
- Remove rip rap from inside the trap.
  - Remove embankment and fill trap with clean, inorganic soil compacted in 4" to 12" layers.
  - Install 30' of rip rap lined V-ditch from pipe outfall to existing ground as shown on Plan Sheet 4.
  - Install additional rip rap to the centerline of the natural drainage swale.
  - Pipe grade, topsoil, seed and mulch all disturbed areas.



S-45-00  
(S-8-96)  
PC 179

SUBDIVISION OF EWELL HALL FARM  
PB 47 PG 27

14. Any ditch which has not developed a good sod by the time of acceptance must be paved.
15. Traffic control shall be in accordance with the Virginia Work Area Protection Manual and as indicated on these plans. A flagman may be required on Old Towne Road for entrance and road improvements.
16. All debris from clearing and grubbing, structure removal and construction shall be hauled off-site at the contractor's expense.
17. Topsoil shall be stripped from all areas of proposed improvements and stockpiled on-site at a location to be indicated by the Engineer.
18. Excavated material suitable for fill shall be placed on Scott's Pond Dam and in the hatched areas indicated for fill on the plans.
19. Any areas indicated to be filled shall be cleared and grubbed with all organic material removed. Place clean inorganic clay material from on-site sources in 6"-12" layers and compact with a vibrating compactor to a minimum density at optimum moisture. Moisture

materials  
(suitability) tests.  
Contractor's review

ES  
VGS  
- Casp

TYPICAL ROAD SECTION

N.T.S.

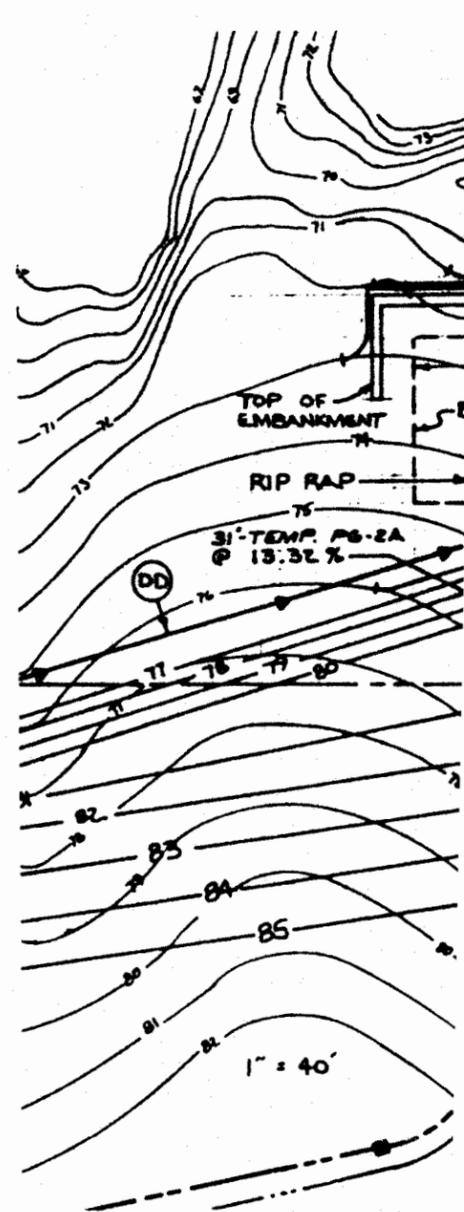
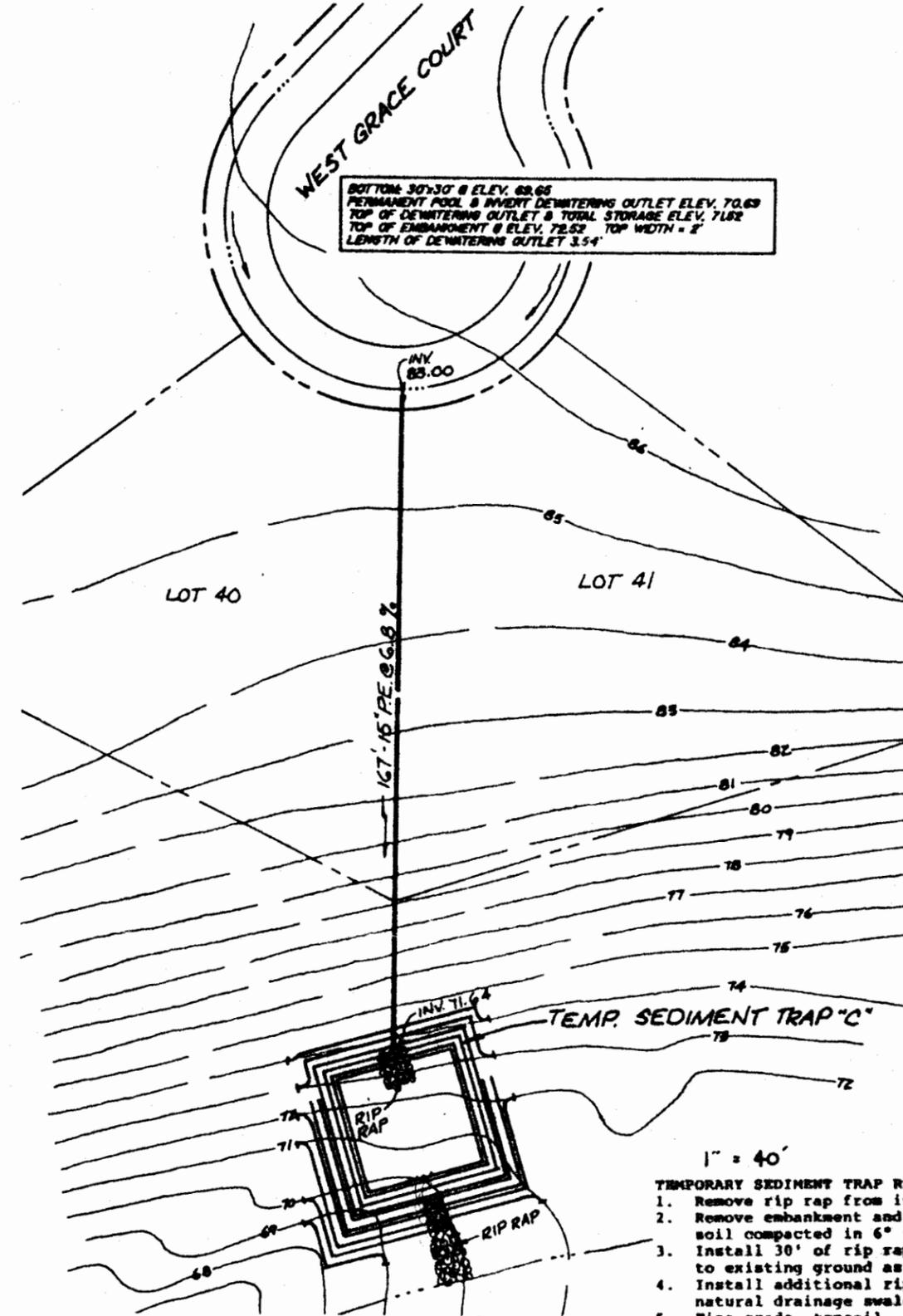
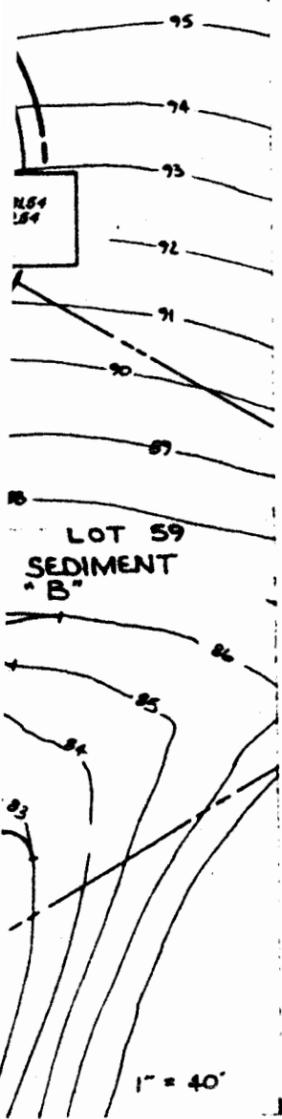
PAVEMENT SECTION

2" SM-2A BITUMINOUS CONCRETE  
6" # 21 A AGGREGATE  
SUBGRADE COMPACTED TO 95%  
MAX. DENSITY @ OPTIMUM MOISTURE

EAST GRACE COURT  
7'-0" REQUIRED WITH  
GUARD RAIL @ 48"  
CULVERT CROSSING

BENJAMIN COURT  
GINGER COURT  
THOMAS COURT  
EAST GRACE COURT  
WEST GRACE COURT

NOTE:  
ALL CUTS OR FILLS  
ADJACENT TO R/W  
TO HAVE 3:1 SLOPE



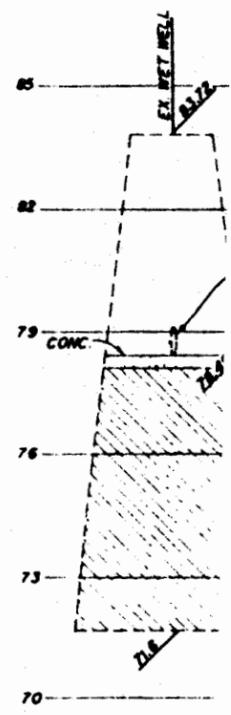
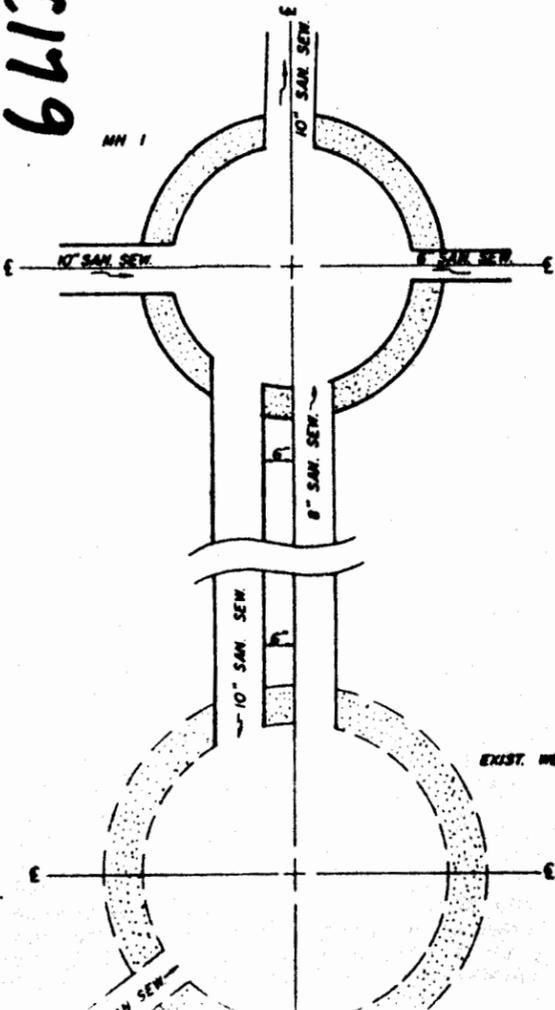
TEMPORARY SE  
1. Remove r  
2. Entire a  
in accor

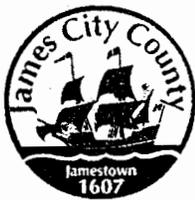
- TEMPORARY SEDIMENT TRAP REMOVAL
1. Remove rip rap from inside the trap.
  2. Remove embankment and fill trap with clean, inorganic soil compacted in 6" to 12" layers.
  3. Install 30' of rip rap lined V-ditch from pipe outfall to existing ground as shown on Plan Sheet 4.
  4. Install additional rip rap to the centerline of the natural drainage swale.
  5. Fine grade, topsoil, seed and mulch all disturbed areas.

CONSTRUCTION SEQUENCE

- Initial Installation
1. Check incoming invert of 8" sanitary sewer into wet well. Advise Engineer of elevation before proceeding.
  2. Install proposed 10" sanitary sewer and proposed 8" sanitary sewer at given grades and inverts to proposed MH #1.
  3. Plug proposed 8" sanitary sewer out to MH #1 at wet well with temporary plug (to be removed when 8" line goes into service in future).
  4. Install MH #1 with 3-proposed 10" sanitary sewer, 1-proposed 8" sanitary sewer and 1-proposed 6" sanitary sewer line in place at given inverts and shape channel from 8" to 10" for future use.
  5. Call Engineer to as-built installation and verify correct inverts and grades.
  6. Plug proposed 8" sanitary sewer from wet well and proposed 10" sanitary sewer run towards "A" Court with temporary plug (to be removed when lines go into service in future).
  7. Place 8 5/8" of clean sand into MH #1 and compact.
  8. Pour 4" concrete over sand to create temporary bottom to MH #1 at invert elevations of 10" sanitary sewer out and shape bottom to channel flows from incoming 10" and 6" sanitary sewer.
- Future Redirection - When the 8" sanitary sewer and 10" sanitary sewer ("A" Court) is ready to be put into service (future)
- a. Plug incoming lines into MH #1.
  - b. Remove temporary bottom from MH #1 and remove all sand.
  - c. Remove temporary plugs from 8" and 10" sanitary sewer.
  - d. Permanently plug 10" sanitary sewer running toward wet well.
  - e. Open incoming 10" and 6" line at MH #1 to flow into new 10" out.
  - f. Plug incoming 8" sanitary sewer line at wet well.
  - g. Pump down remaining sanitary sewer in wet well and remove any remaining solids.
  - h. Fill wet well with 6.5' of sand and compact.
  - i. Pour 4" concrete over sand to form new bottom. Shape channel from existing 8" in to new 8" out.
  - j. Remove temporary plug in 8" out to open line for service.
  - k. Remove plug from 8" in to allow sanitary sewer to flow to new pump station.

PC179





# DEVELOPMENT MANAGEMENT

101-E MOUNTS BAY ROAD, P.O. BOX 8784, WILLIAMSBURG, VIRGINIA 23187-8784  
(757) 253-6671 Fax: (757) 253-6850 E-MAIL: devtman@james-city.va.us

CODE COMPLIANCE  
(757) 253-6626  
codecomp@james-city.va.us

ENVIRONMENTAL DIVISION  
(757) 253-6670  
environ@james-city.va.us

PLANNING  
(757) 253-6685  
planning@james-city.va.us

COUNTY ENGINEER  
(757) 253-6678  
INTEGRATED PEST MANAGEMENT  
(757) 253-2620

May 2, 2002

Mr. Anthony D. Potts  
A. D. Potts & Associates  
11524 Jefferson Avenue  
Newport News, VA 23601

RE: Scotts Pond, Section 2

Dear Mr. Potts:

As discussed previously, the sediment trap "C" in the Scotts Pond, Section I is to remain as a permanent forebay to Scotts Pond. The trap has recently been cleared of vegetation and I made a field visit to assess what modifications would be required in order to allow it to remain as a permanent feature.

Based on my field visit, in addition to the items you identified in a plan dated 2/15/02, there are two other items that need to be addressed. The first is that the outlet protection stone, riprap, needs to be replaced. The existing riprap is totally clogged with debris and does not allow water to flow through it. When the trap discharges it flows over the top of the stone which is currently too high potentially causing the adjacent berm to suffer erosion when the trap does overflow. Although your plan calls for the riprap to be cleaned, it does not appear that will be possible; rather it will need to be replaced to be functional. When the outlet is replaced, the height of the riprap will need to be one foot below the top of the berm, not even with it as it currently is. The other issue is that there are portions of the sediment trap primarily at the outfall of the storm drain where the slopes are too steep to be stabilized. These area will need to be regraded and stabilized with grass. If the slopes are steeper than 3:1, they will need to be covered with an EC-2 erosion control mat to assist with stabilization of these areas. This work could all be accomplished when the existing sediment is removed from the trap.

I know the client is anxious to begin construction on Section II. Please revise the drawing and resubmit to resolve this last outstanding issue. If you have any questions, please feel free to contact me at 253-6670.

Sincerely,

Darryl E. Cook  
Environmental Director

RATING = 3

Attached revisions acceptable.  
DEC 5/3/02

*Handwritten notes:*  
5-8-96  
sect 1-B  
west of Grace Court  
SED TRAP I-C  
CONVERT TO SMALL  
FOREBAY FOR  
SECT 2 PLAN.  
S-45-00  
(CONVERSION July 1 '02)

**ADPA**



**A. D. Potts & Associates, Inc.**

11524 Jefferson Avenue  
Newport News, Virginia 23601  
Phone: (757) 595-4610  
Telefax: (757) 591-2723

February 19, 2002

Mr. Darryl Cook  
Environmental Division  
James City County  
P.O. Box 8784  
Williamsburg, VA 23187

Re: S-045-00, Scott's Pond, Section II

Dear Darryl:

Per our phone conversation on 2-11-02 concerning Scott's Pond, Phase I forebay requirement, and a letter dated 2-12-02 from JCC, Environmental, comment 2B, please see the attached "Sediment Forebay Section One" drawing.

If you have further comments or questions, please call.

Sincerely;

Anthony D. Potts, L.S.  
President



**ADPA**



**A. D. Potts & Associates, Inc.**

11524 Jefferson Avenue  
Newport News, Virginia 23601  
Phone: (757) 595-4610  
Telefax: (757) 591-2723

Date 5-3-02

Reference SCOTT'S POND

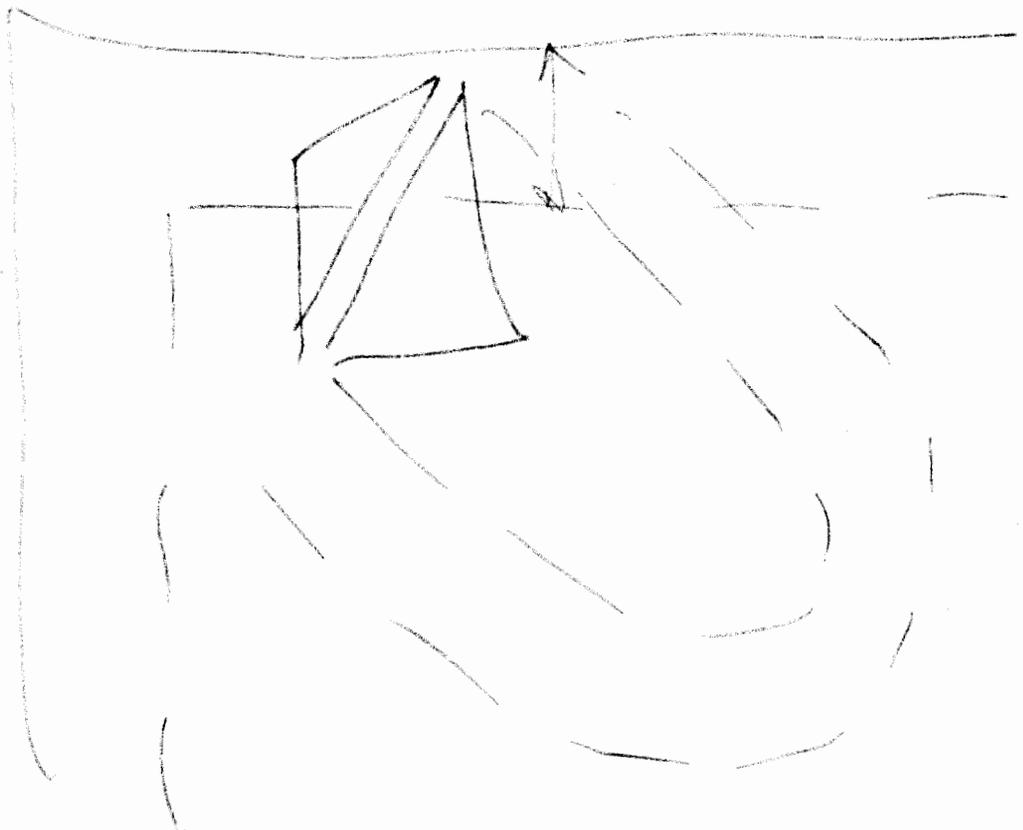
To D. COOK  
J.C.C.

Via Fax# 253-6850  
259-4032

Note: REVISIONS: Put PROJECT North for Ref.  
Revised NOTE 2 & 3

Please Review & Call me if this is OK  
or NOT

Sent by: DUANE



WATERSHED	PC	MAINTENANCE PLAN	No	CTRL STRUC DESC	Stone Outlet
BMP ID NO	179	SITE AREA acre	37.23	CTRL STRUC SIZE inches	36
PLAN NO	S-45-00	LAND USE	Gen Residential	OTLT BARRL DESC	None
TAX PARCEL	(32-02)(12-1A)	old BMP TYP	Forebay	OTLT BARRL SIZE inch	
PIN NO	3221200001A	JCC BMP CODE			
CONSTRUCTION DATE	7/1/2002	POINT VALUE	4	EMERG SPILLWAY	Yes
PROJECT NAME	Scotts Pond Sec 2			DESIGN HW ELEV	72.5
FACILITY LOCATION	Behind (west) 5131 West Grace Ct.			PERM POOL ELE	70.69
CITY-STATE	Williamsburg, Va. 23188	SVC DRAIN AREA acres	0.59	2-YR OUTFLOW cfs	0.00
CURRENT OWNER	KT & BK LLC			10-YR OUTFLOW cfs	0.00
OWNER ADDRESS	11524 Jefferson Ave.			REC DRAWING	No
OWNER ADDRESS 2		SERVICE AREA DESCRI	SF Lots & Roads		
CITY-STATE-ZIP CODE	Newport News, Va. 23601	IMPERV AREA acres	0.18	CONSTR CERTI	No
OWNER PHONE		RECV STREAM	UT of Powhatan Creek		
MAINT AGREEMENT	Yes	EXT DET-WQ-CTRL	Yes	LAST INSP DATE	5/2/2002
EMERG ACTION PLAN	No	WTR QUAL VOL acre-ft	0.03	INTERNAL RATING	3
		CHAN PROT CTRL	No	MISC/COMMENTS	
		CHAN PROT VOL acre-ft	0		Sed Trap C Sec 1-B, S-8-96. Convert to FB Sec 2.
		SW/FLOOD CONTROL	Yes		
		GEOTECH REPORT	No		

**Get Last BMP No**

**Return to Menu**



NOTE: SMALL SEDIMENT FOREBAY.

CONSTRUCTED AS SED TRAP "C"  
FOR PHASE I, 5-8-96. CONVERT  
TO FOREBAY AS PART OF APPROVAL  
FOR PHASE 2, 5-45-00.