



## 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.

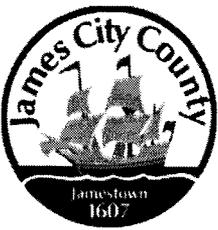
**BMP NUMBER:** SC-010

**DATE VERIFIED:** May 9, 2012

**QUALITY ASSURANCE TECHNICIAN:** Leah Hardenbergh

*Leah Hardenbergh*  
\_\_\_\_\_

**LOCATION:** WILLIAMSBURG, VIRGINIA



# Stormwater Division

## MEMORANDUM

**DATE:** March 11, 2010  
**TO:** Michael J. Gillis, Virginia Correctional Enterprises Document Management Services  
**FROM:** Jo Anna Ripley, Stormwater  
**PO:** 270712  
**RE:** Files Approved for Scanning

---

**General File ID or BMP ID:** SC010

**PIN:** 6010100010

**Subdivision, Tract, Business or Owner**

**Name (if known):**

Walmart

**Property Description:**

Lot 2 Green Mount

**Site Address:**

9305 Pocahontas Trail

*(For internal use only)*

**Box** 18

**Drawer:** N/A

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

Y

**Book or Doc#:**

040027475

**Page:**

000009492

658

565

**Comments**

Inspection Maintenance Agreements for SC009 through SC013 and SC019 through SC024 are located in file 99122 General File

# McCALLUM

## TESTING LABORATORIES, INC.

Geotechnical Engineering, Materials Testing & Environmental Services

February 17, 2006

Glover Construction Co., Inc.  
P.O. Box 40  
Pleasant Hill, NC 27866

Attention: Ed Marks

Subject: Stormwater Management / BMP Facilities  
Wal-Mart Distribution Center - Phase I & II  
James City County, Virginia  
MTL Project 067515

*Note: This was first received via email 4/17/09 after surety inquiry. Oyr Division has no record of ever receiving this particular document in Feb 2006. Was one of the issues for holding \$170,000. Sent 4/27/09*

Dear Mr. Marks:

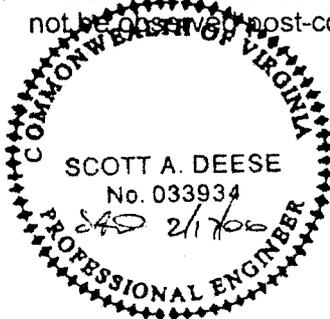
Post-Construction Certification for BMP's SC 009 through SC 013

Firm Name: McCallum Testing Laboratories, Inc.  
Mailing Address: 1808 Hayward Avenue, Chesapeake, Virginia 23320  
Phone: 757-420-2520  
Fax: 757-424-2872  
Name: Scott A. Deese, P.E.  
Title: Project Engineer

Signature:   
Date: 2/17/06

I hereby certify to the best of my knowledge and belief that these Stormwater Management / BMP Facilities were constructed in accordance with the provisions of the approved design plans, specifications and stormwater management plan, except as specifically noted:

1. The installation of outfall pipes through the dam or below the roadways could not be observed post-construction.



  
Scott A. Deese, P.E.  
Project Engineer

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Subject: Stormwater Management / BMP Facilities  
Wal-Mart Distribution Center - Phase I & II  
James City County, Virginia  
MTL Project 067515

Dear Mr. Marks:

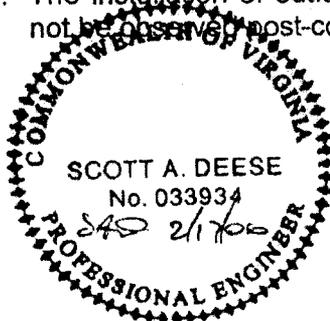
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Phone: 757-420-2520  
Fax: 757-424-2872  
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Title: Project Engineer

Signature:   
Date: 2/17/06

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1. The installation of outfall pipes through the dam or below the roadways could not be observed post-construction.





Scott A. Deese, P.E.  
Project Engineer

**Section 4 - Professional Certifications:**

Certifying Professionals: (Note: A Registered Professional Engineer or Certified Land Surveyor is responsible for preparation of a Record Drawing, sometimes referred to as an As-Built plan, for the drainage system for the project including any Stormwater Management/BMP Facilities. A Registered Professional Engineer is responsible for the inspection, monitoring and certification of Stormwater Management / BMP facilities during its construction.)

**Record Drawing and Construction Certifications for Stormwater Management / BMP Facilities**

Record Drawing Certification

Construction Certification

Firm Name: Glover Const. Co., Inc.  
Mailing Address: P.O. Box 40  
Pleasant Hill, N.C. 27866  
Business Phone: 252-536-2660  
Fax: 252-536-4600

Firm Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
Business Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_

Name: Ed Marks  
Title: Engineer / Estimator  
Signature: Ed Marks  
Date: 12/20/05

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

I hereby certify to the best of my knowledge and belief that this record drawing represents the actual condition of the Stormwater Management / BMP facility. The facility appears to conform with the provisions of the approved design plan, specifications and stormwater management plan, except as specifically noted.

I hereby certify to the best of my knowledge and belief that this Stormwater Management/BMP facility was monitored and constructed in accordance with the provisions of the approved design plan, specifications and stormwater management plan, except as specifically noted.

Field shots taken of outlet structures on 11-30-05 and ponds "C" + "D" dams on 12-8-05. Actual field elevations noted in red.

\_\_\_\_\_  
(Seal)  
Virginia Registered Professional Engineer  
or Certified Land Surveyor

\_\_\_\_\_  
(Seal)  
Virginia Registered  
Professional Engineer

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**Certifying Professionals:** (Note: A Registered Professional Engineer or Certified Land Surveyor is responsible for preparation of a Record Drawing, sometimes referred to as an As-Built plan, for the drainage system for the project including any Stormwater Management/BMP Facilities. A Registered Professional Engineer is responsible for the inspection, monitoring and certification of Stormwater Management / BMP facilities during its construction.)

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Record Drawing Certification

Firm Name: Glover Const. Co., Inc.  
Mailing Address: P.O. Box 40  
Pleasant Hill, N.C. 27866  
Business Phone: 252-536-2660  
Fax: 252-536-4600

Name: Ed Marks  
Title: Engineer / Estimator

Signature: [Signature]  
Date: 12/09/05

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Field shots taken of outlet structures on 11-30-05 and ponds "C" + "D" dams on 12-8-05. Actual field elevations noted in red.

Construction Certification

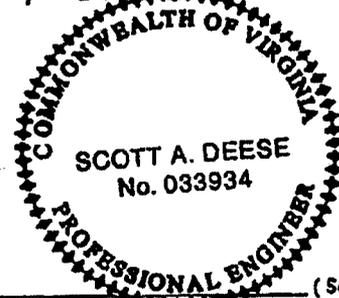
Firm Name: McCauley Testing Lab, Inc.  
Mailing Address: 1808 HAYWARD AVE  
CHESAPEAKE, VA 23320  
Business Phone: 757-420-2520  
Fax: 757-424-2874

Name: Scott A. Deese  
Title: PROJECT ENGINEER

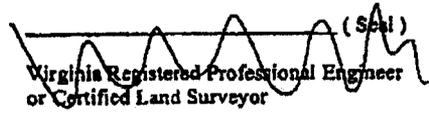
Signature: [Signature]  
Date: 2/17/06

I hereby certify to the best of my knowledge and belief that this Stormwater Management/BMP facility was monitored and constructed in accordance with the provisions of the approved design plan, specifications and stormwater management plan, except as specifically noted.

(1) OUTFALL STRUCTURES THROUGH DUM AND BELOW ROADWAYS COULD NOT BE OBSERVED POST CONSTRUCTION.



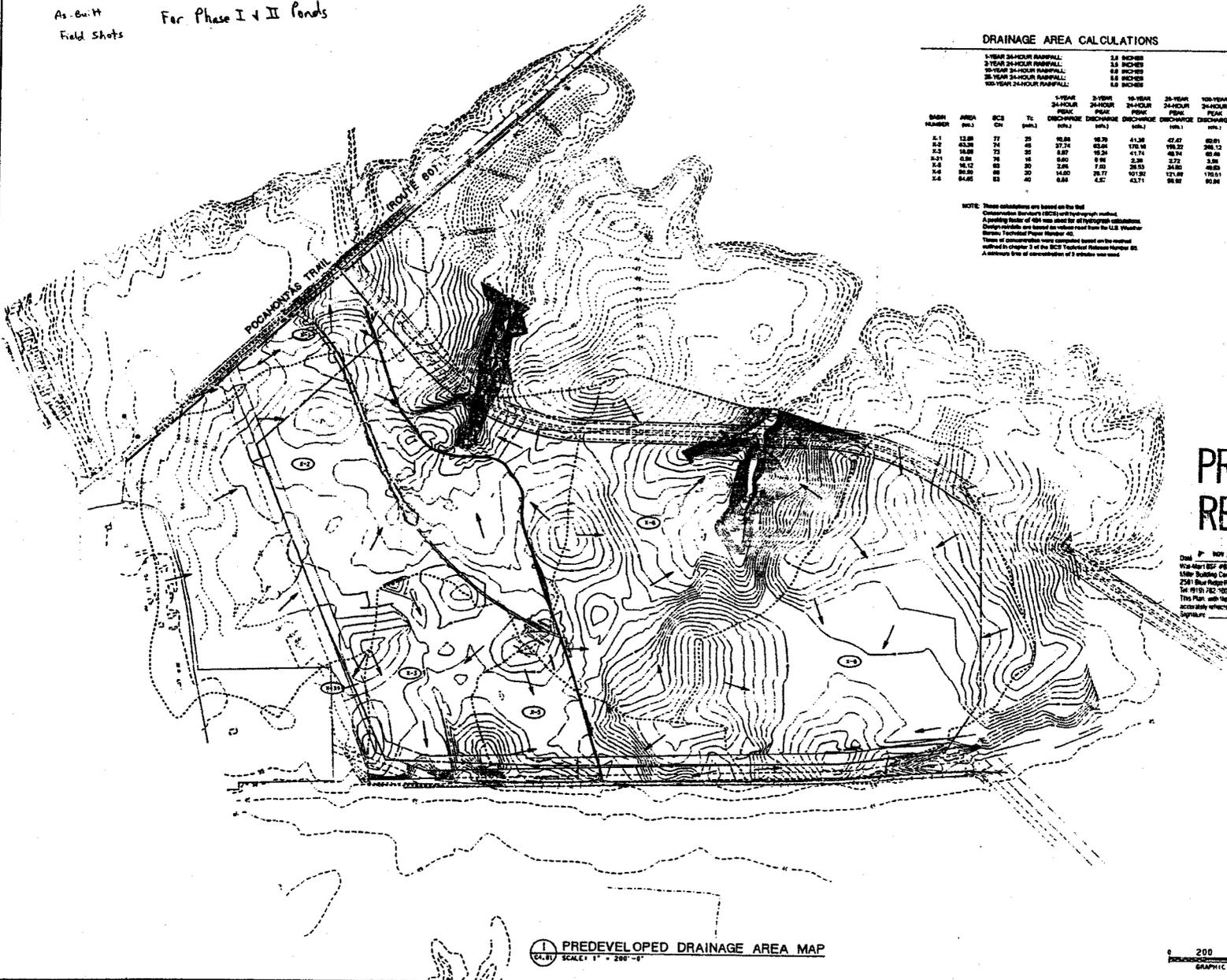
Virginia Registered Professional Engineer



Virginia Registered Professional Engineer or Certified Land Surveyor

As-built  
Field Shots

For Phase I & II Ponds



**DRAINAGE AREA CALCULATIONS**

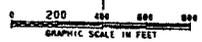
DRAIN NUMBER	AREA (AC.)	SCS CN	TC (%)	1-YEAR 24-HOUR RAINFALL		2-YEAR 24-HOUR RAINFALL		5-YEAR 24-HOUR RAINFALL		10-YEAR 24-HOUR RAINFALL	
				PEAK DISCHARGE (CFS)	PEAK DISCHARGE (MGD)	PEAK DISCHARGE (CFS)	PEAK DISCHARGE (MGD)	PEAK DISCHARGE (CFS)	PEAK DISCHARGE (MGD)	PEAK DISCHARGE (CFS)	PEAK DISCHARGE (MGD)
K-1	13.88	77	30	92.88	0.79	41.30	47.47	40.01			
K-2	43.38	74	30	27.24	0.26	176.16	16.74	80.49			
K-3	19.89	73	30	4.87	0.24	41.74	46.74	80.49			
K-4	4.89	76	30	8.60	0.06	2.30	2.72	3.95			
K-5	16.12	80	30	2.68	7.02	28.53	34.82	48.69			
K-6	30.00	88	30	14.80	29.77	101.92	121.89	170.61			
K-7	64.62	83	40	6.88	4.82	43.11	98.92	92.88			

NOTE: These calculations are based on the SCS Conservation Source (SCS) hydrograph method. A loading factor of 1.0 has been used for all hydrograph calculations. Design methods are based on values from the U.S. Weather Service Technical Paper Number 40. Times of concentration were computed based on the method outlined in Chapter 3 of the SCS Technical Release Number 40. A drainage time of concentration of 5 minutes was used.

**PROJECT RECORD**

Date: NOV 11 2008  
 Site: Wal-Mart Bulk Storage No. 88, James City County, VA  
 15000 Building Construction  
 250 Blue Ridge Blvd, G-100, Roanoke, VA 24061  
 Tel: 919.782.1050  
 This Plan, with its not-to-scale annotations, accurately reflects the field conditions.  
 Signature: \_\_\_\_\_

PLAN NORTH  
 TRUE NORTH  
 -2° 18' 49"



PREDEVELOPED DRAINAGE AREA MAP  
 SCALE: 1" = 200'-0"



DATE	NO.	REV.	BY	CHK.

**WAL-MART**  
BULK STORAGE NO. 88  
JAMES CITY COUNTY, VA

PREDEVELOPED  
DRAINAGE AREA MAP

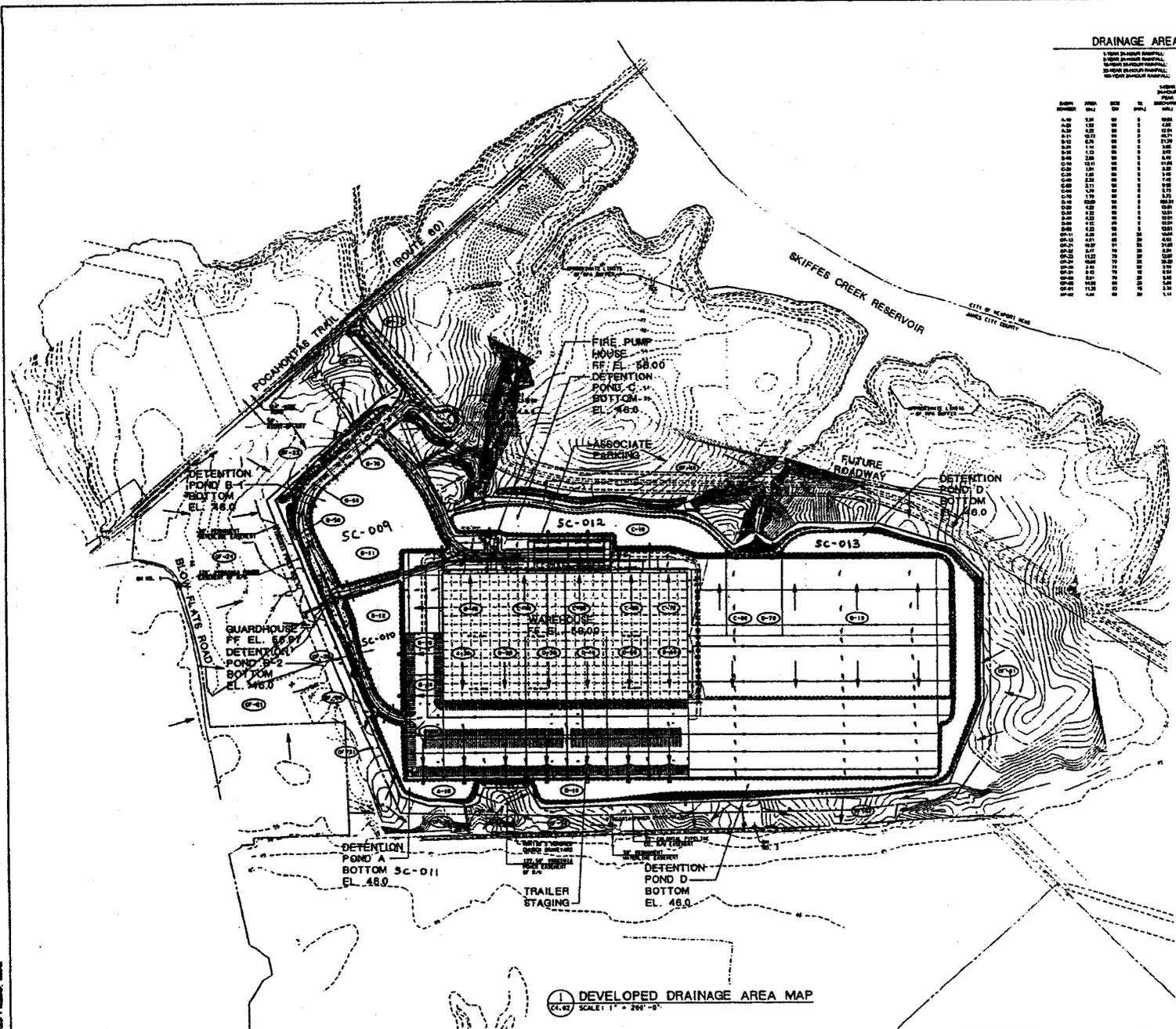
**Carter & Burgess**  
Carter & Burgess, Inc.  
250 Blue Ridge Blvd., G-100  
Roanoke, VA 24061  
Tel: 919.782.1050

SHEET  
**C4.01**



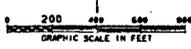
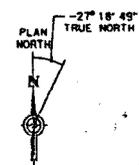
### DRAINAGE AREA CALCULATIONS

Run	Area	Run	Area	Run	Area	Run	Area
1	1.00	11	1.00	21	1.00	31	1.00
2	1.00	12	1.00	22	1.00	32	1.00
3	1.00	13	1.00	23	1.00	33	1.00
4	1.00	14	1.00	24	1.00	34	1.00
5	1.00	15	1.00	25	1.00	35	1.00
6	1.00	16	1.00	26	1.00	36	1.00
7	1.00	17	1.00	27	1.00	37	1.00
8	1.00	18	1.00	28	1.00	38	1.00
9	1.00	19	1.00	29	1.00	39	1.00
10	1.00	20	1.00	30	1.00	40	1.00



# PROJECT RECORD

Date: 07/11/2008  
 Project: WAL-MART BULK STORAGE NO. 88, James City County, VA  
 Under Building Corporation  
 2501 Blue Ridge Pk., # 100, Raleigh, NC 27607  
 Tel: (919) 782-1004  
 This Plan, with the as-built proposals, accurately reflects the conditions of the site.  
 Signature: \_\_\_\_\_



DEVELOPED DRAINAGE AREA MAP  
 SCALE: 1" = 200'-0"

**WAL-MART**  
 BULK STORAGE NO. 88  
 JAMES CITY COUNTY, VA

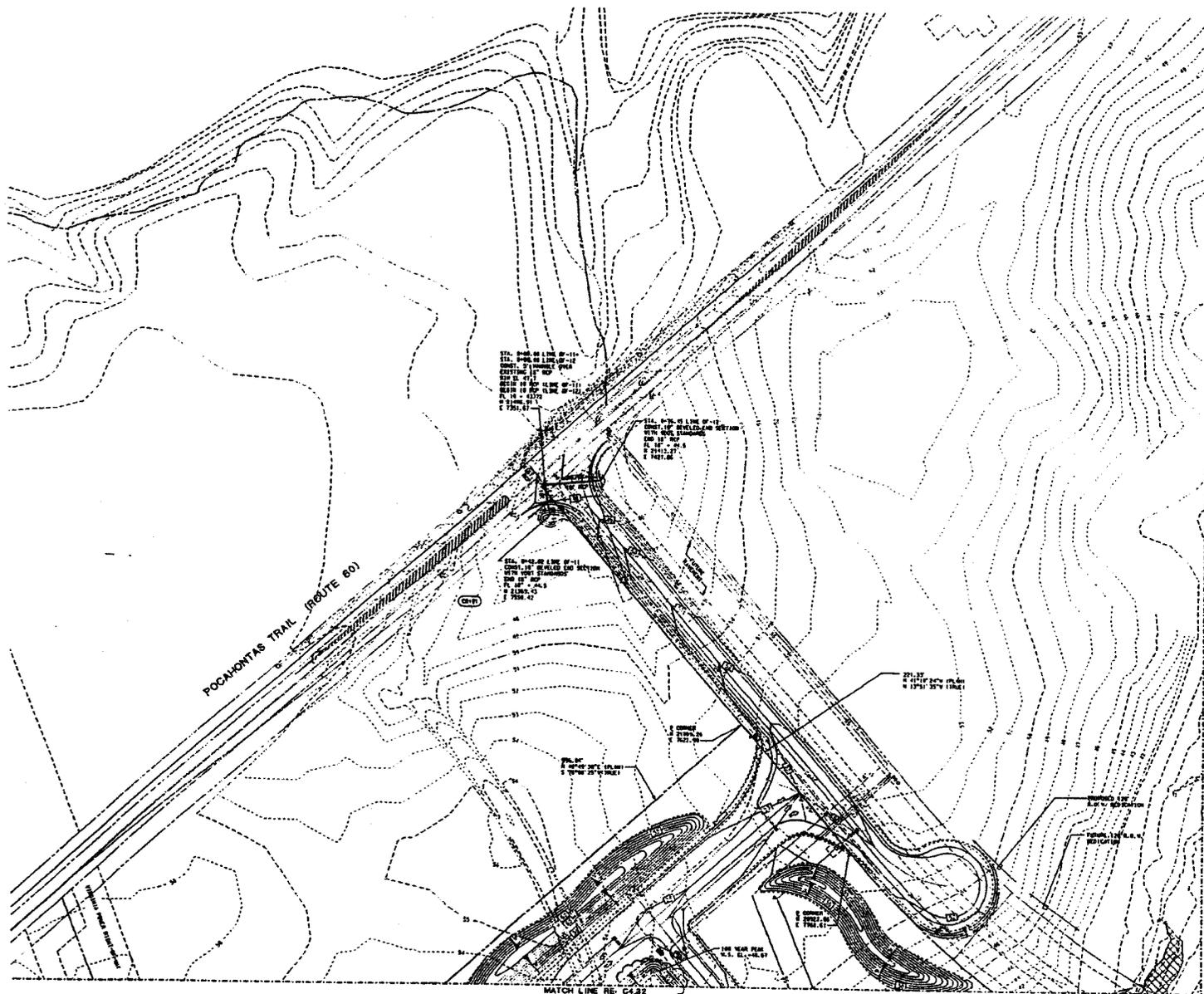
DEVELOPED AREA MAP  
 DRAINAGE AREA MAP

**Carter & Burgess**  
 Consulting Engineers, Architects, Planners & Environmental Scientists  
 2501 Blue Ridge Pk., # 100, Raleigh, NC 27607  
 Tel: (919) 782-1004  
 Fax: (919) 782-1004

SHEET  
**C4.02**







# PROJECT RECORD

Date: Nov 11, 2004  
 Drawn: BOB FROST, James City County, VA  
 Miller Building Corporation  
 2201 Blue Ridge Rd., S-100, Raleigh, NC 27607  
 Tel: 919-727-1000  
 This Plan, with the no-build conditions, accurately reflects the contractor's interpretation.



**1** AREA 1 - STORM DRAIN PLAN  
 C4.21 SCALE: 1" = 50'-0"



DATE	NOV 11 2008
PROJECT	WAL-MART BULK STORAGE NO. 86
SHEET NO.	AREA 2 - STORM DRAIN PLAN
DRAWN BY	W. J. BURTON
CHECKED BY	J. BURTON
SCALE	AS SHOWN
DATE	NOV 11 2008

**WAL-MART**  
BULK STORAGE NO. 86  
JAMES CITY COUNTY, VA

**PROJECT RECORD**

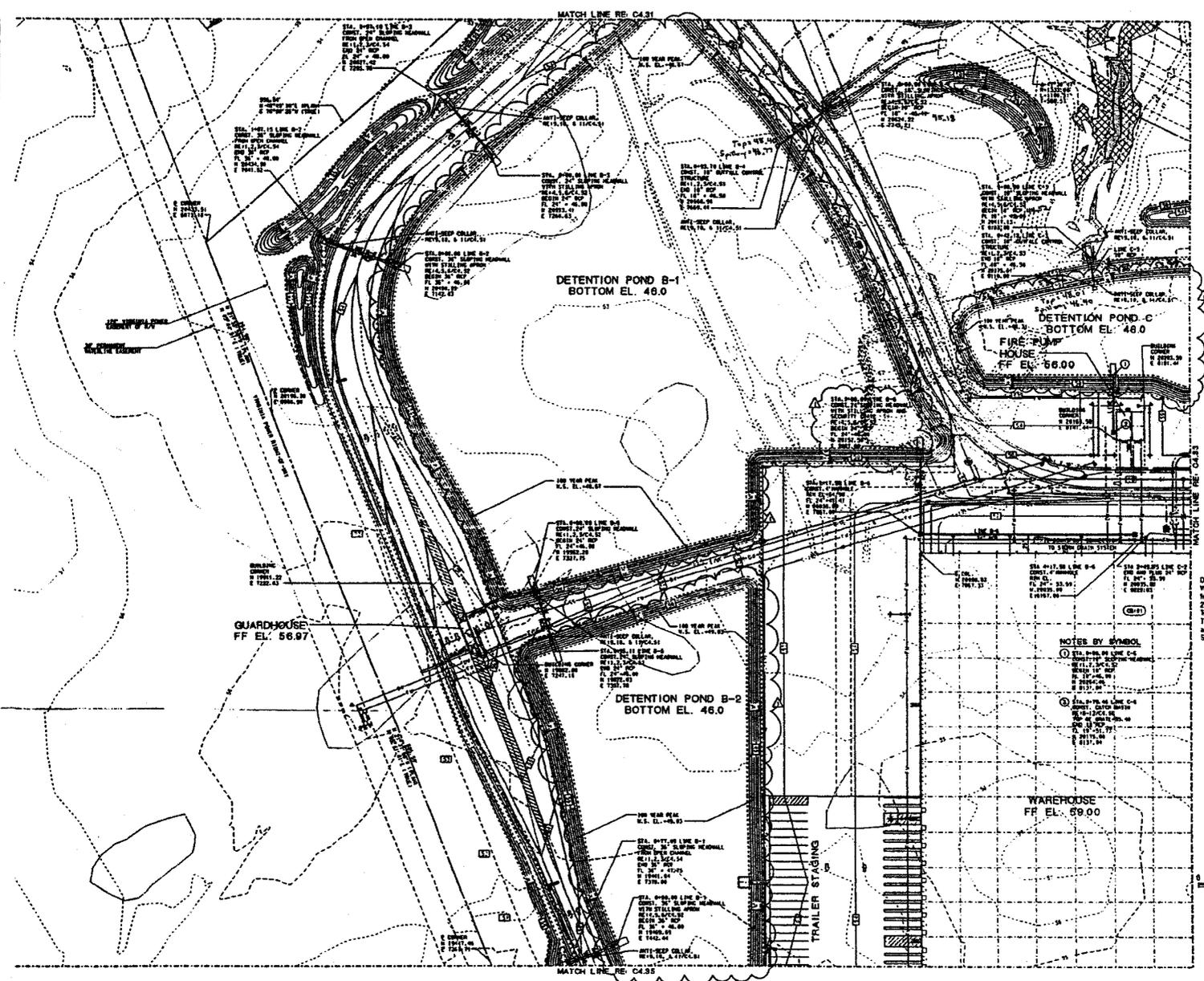
AREA 2 -  
STORM DRAIN PLAN

DATE: NOV 11 2008  
 WAL-MART 857 400, James City County VA  
 Interim Survey Corporation  
 2521 Blueberry Hill, S-102, Raleigh, NC 27607  
 Tel: 919.782.1934  
 This Plan, with the Supplement(s) necessarily reflects the original design signature

**Carter & Burgess**  
 Consulting Engineers and Surveyors  
 1000 W. Main Street, Suite 100  
 Norfolk, VA 23510  
 Tel: 757.637.1234

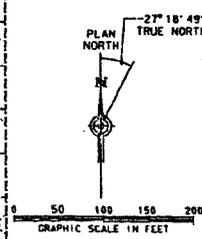
Sheet  
**C4.32**

Copyright © 2008 by Carter & Burgess, Inc.

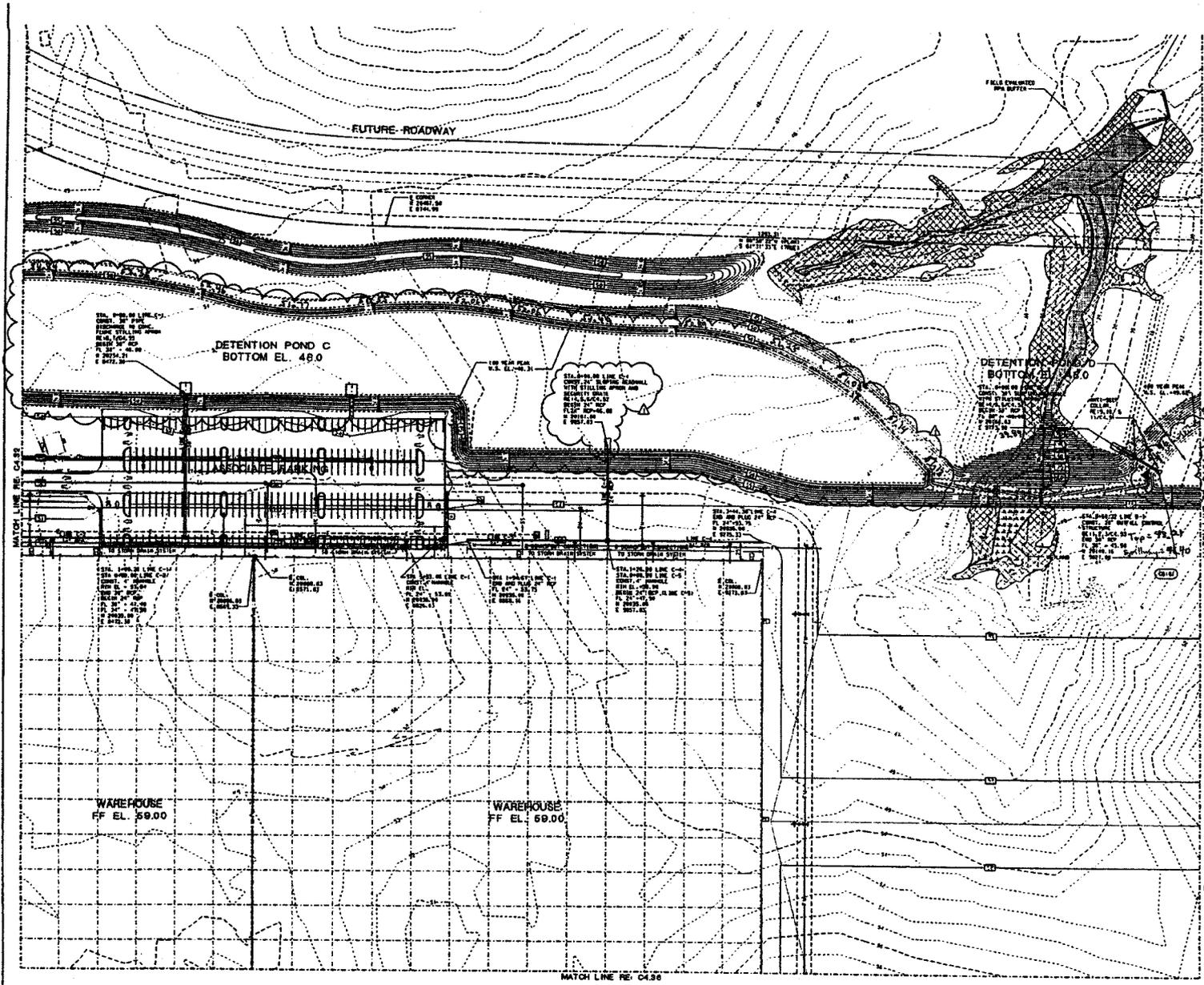


**PROJECT RECORD**

DATE: NOV 11 2008  
 WAL-MART 857 400, James City County VA  
 Interim Survey Corporation  
 2521 Blueberry Hill, S-102, Raleigh, NC 27607  
 Tel: 919.782.1934  
 This Plan, with the Supplement(s) necessarily reflects the original design signature

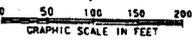
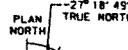


**AREA 2 - STORM DRAIN PLAN**  
 SCALE: 1" = 50'-0"



# PROJECT RECORD

Date: MAY 11 2009  
 Wal-Mart Bulk Storage #88, James City County, VA  
 Utility Building Corporation  
 2371 Blue Ridge Rd., S-100, Newport, NC 27807  
 Tel: (919) 752-1934  
 This Plan, with all add-on changes, accurately reflects the current work.  
 Signature: *[Signature]*



1 AREA 3 - STORM DRAIN PLAN  
 (C4.33) SCALE: 1" = 50'-0"



PROJECT NO.	DATE
DRAWING NO.	SCALE
SHEET NO.	TOTAL SHEETS
PROJECT NAME	PROJECT LOCATION

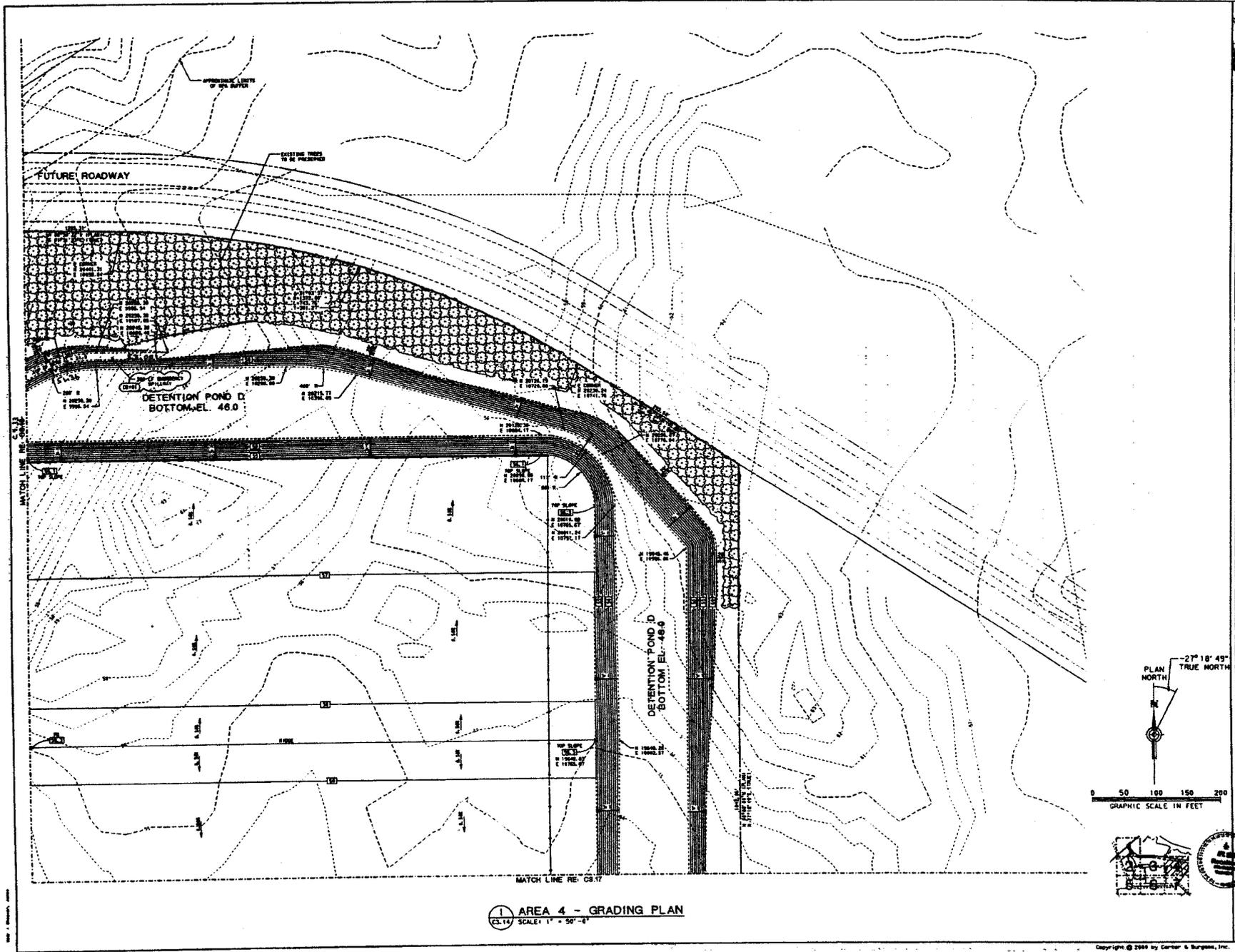
**WAL-MART**  
 BULK STORAGE NO. 88  
 JAMES CITY COUNTY, VA

AREA 3 -  
 STORM DRAIN PLAN

**Carter Burgess**  
 CONSULTING ENGINEERS  
 CARTER & BURGESS, INC.  
 100 W. MAIN ST., SUITE 200  
 ROANOKE, VA 24002  
 TEL: (540) 781-1111  
 FAX: (540) 781-1112

SHEET  
**C4.33**

Inserted This Page To Show  
Continuation of Dam at Pond "D"





DATE	NOV 11 2008
PROJECT NO.	WAL-MART
SHEET NO.	86
TOTAL SHEETS	100
SCALE	1" = 50'-0"

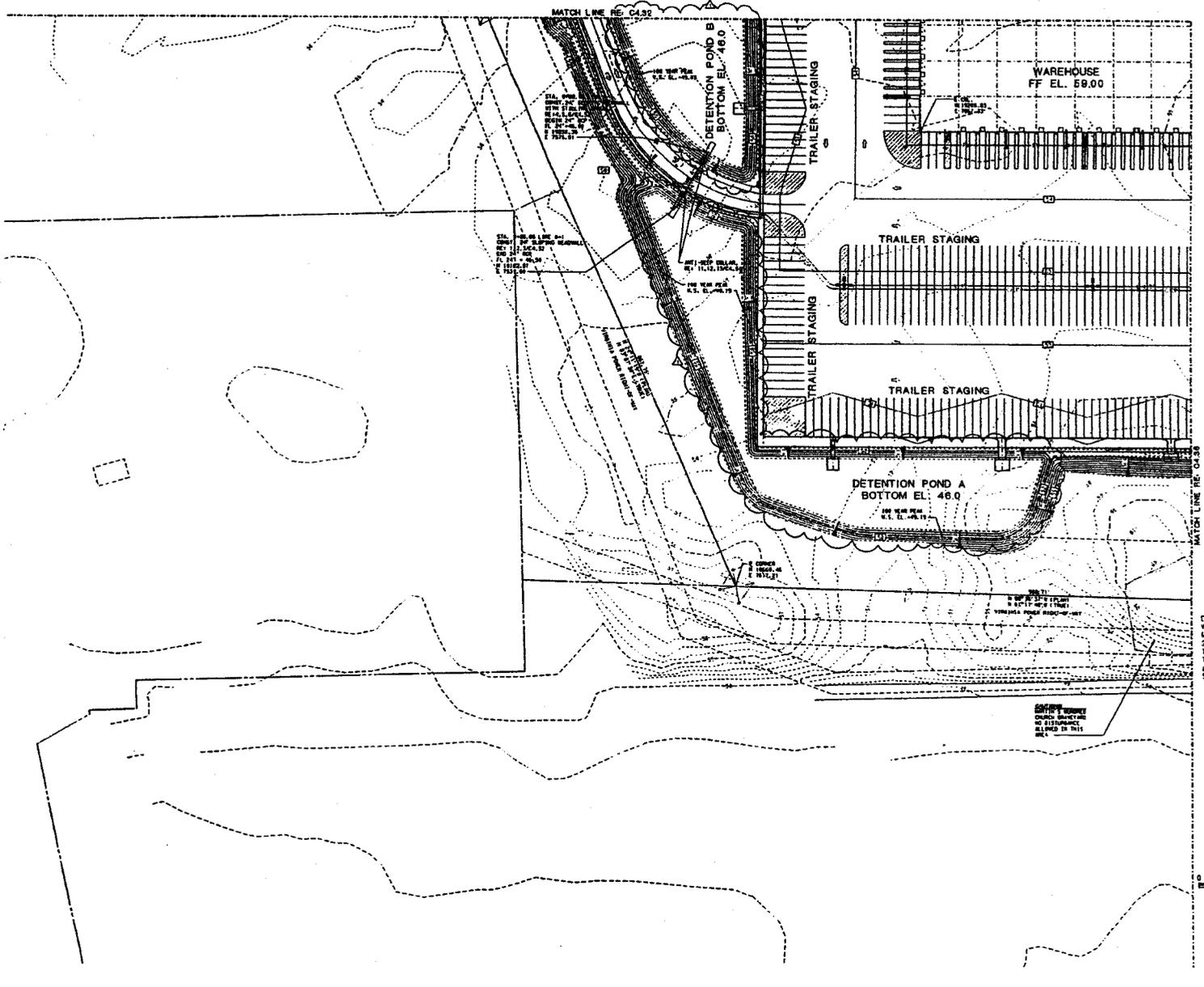
WAL-MART  
BULK STORAGE NO. 86  
JAMES CITY COUNTY, VA

AREA 5 -  
STORM DRAIN PLAN

**Cartier & Burgess**  
Civil & Environmental Engineers  
1000 W. MAIN ST., SUITE 100  
JAMES CITY, VA 22024  
(804) 361-1111

NOV 11 2008  
NO. 86  
SCALE: 1" = 50'-0"

PROJECT NO. 86  
SHEET NO. 86  
DATE: NOV 11 2008



# PROJECT RECORD

NOV 11 2008  
700 Main Street #100, James City County, VA  
LMA: Building Corporation  
2500 Blue Ridge Pk. E. 1001 Raleigh, NC 27607  
Tel: 919.721.1004  
This Plan, when used as part of a project, shall be accurate, reflects the design of the project.

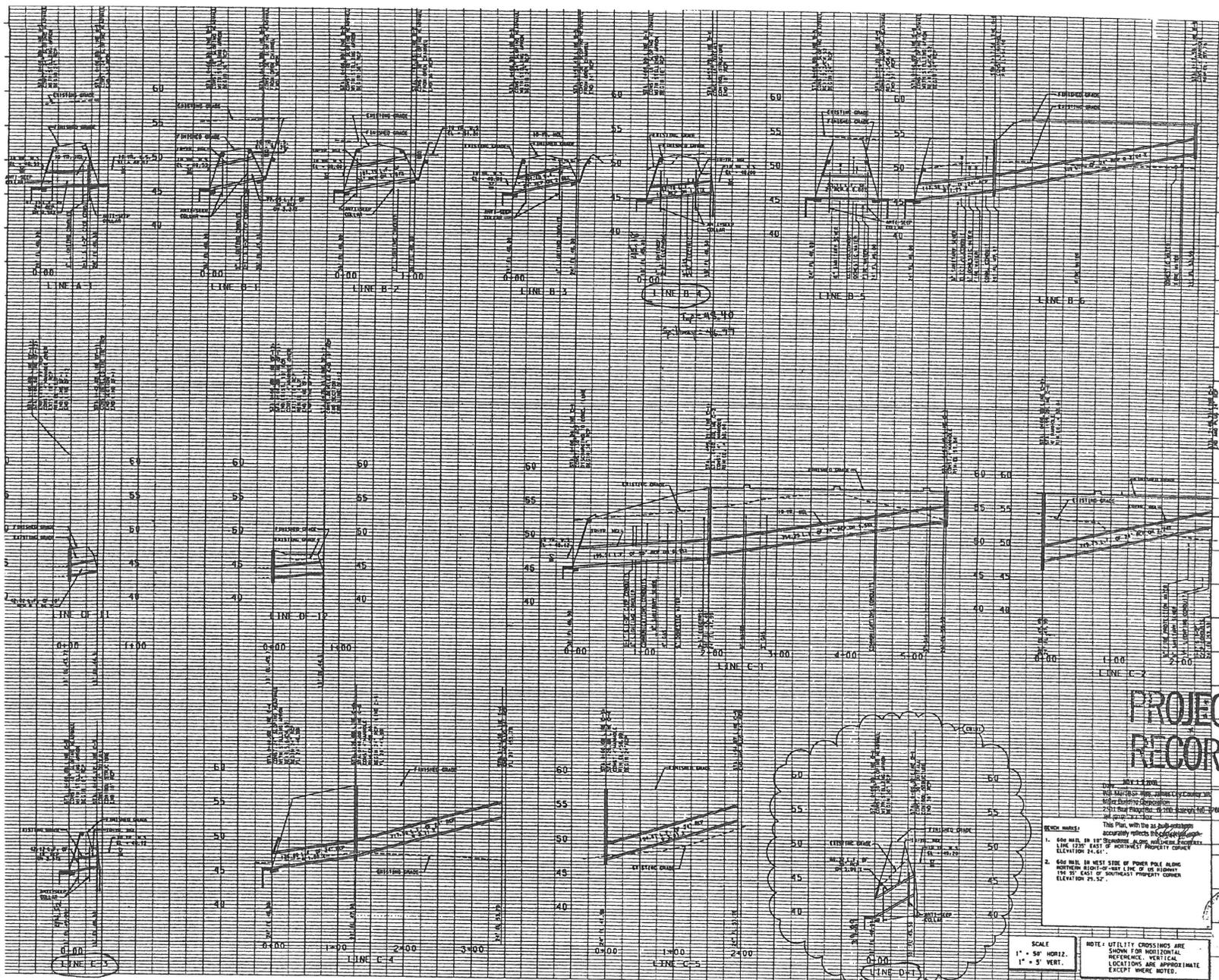
PLAN NORTH  
-2° 18' 49" TRUE NORTH



0 50 100 150 200  
GRAPHIC SCALE IN FEET



1 AREA 5 - STORM DRAIN PLAN  
SCALE: 1" = 50'-0"



# PROJECT RECORD

DATE: JULY 1, 2008  
 BY: [Illegible]  
 FOR: [Illegible]  
 PROJECT: [Illegible]

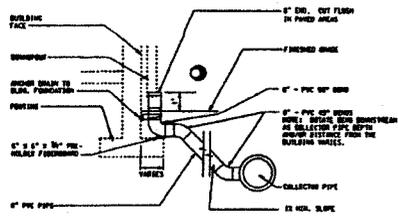
- RECORD NOTES:**
1. 600 MBL. 88 1/2" DEPTH. ALONG NORTHEAST CORNER LINE 1337' EAST OF NORTHEAST PROPERTY CORNER ELEVATION 41.61'.
  2. 600 MBL. 88 1/2" DEPTH. ALONG NORTHEAST CORNER LINE 1337' EAST OF NORTHEAST PROPERTY CORNER ELEVATION 41.52'.

**SCALE:**  
 1" = 50' HORIZ.  
 1" = 5' VERT.

**NOTE:** UTILITY CROSSINGS ARE SHOWN FOR HORIZONTAL REFERENCE. VERTICAL LOCATIONS ARE APPROXIMATE EXCEPT WHERE NOTED.

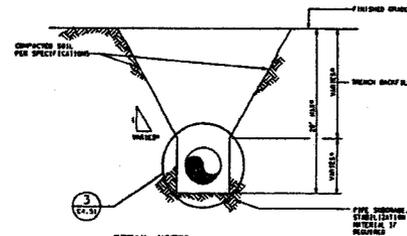
Top = 48.91  
 Spillway = 46.40

Top = 48.21  
 Spillway = 46.40



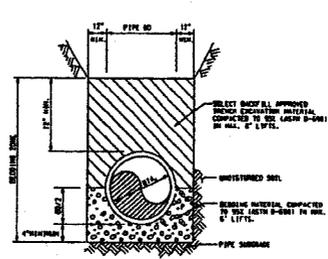
- DETAIL NOTES:**
1. DOWNSPOUT CONNECTIONS TO BE MADE ON THIS PROJECT.
  2. SEE AISC BRIDGE PACKAGE FOR COMPONENT LOCATIONS.
  3. IN WINDY AREAS, USE AN STRONG PUMP BRIDGE DESIGN PER ACI 308 FOR PILING AND CON. NOTES TO SHEET 10-27.
  4. CONNECTION TO CONDUIT TO FUSE PROTECTION & LINE INSTALLATION TO ENSURE PROPER FLOW IN DOWNSPOUT COLLECTION.

**1 DOWNSPOUT COLLECTOR**  
NOT TO SCALE

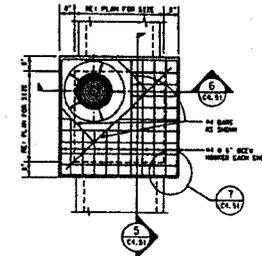


- DETAIL NOTES:**
1. ALL CONSTRUCTION, INSPECTION AND MONITORING SHALL COMPLY WITH ALL STATE, STATE AND LOCAL ORDINANCES, LAWS AND REGULATIONS AND ALL APPLICABLE AISC CONSTRUCTION DETAILS, SAFETY, INSPECTION AND MONITORING SHALL BE EXTENSIVE AND FURNISHED BY THE CONTRACTOR AS REQUIRED BY OWNER, STATE AND LOCAL ORDINANCES, LAWS AND REGULATIONS.

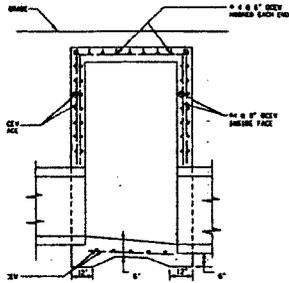
**2 TRENCHING DETAIL**  
NOT TO SCALE



**3 BEDDING ZONE**  
NOT TO SCALE

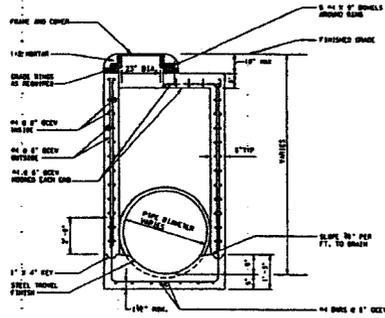


**4 STORM DRAIN MANHOLE**  
NOT TO SCALE

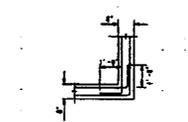


- DETAIL NOTES:**
1. SLOPE SHEET IF AVAILABLE AS INDICATED BY PROFILE SHEET.
  2. PROVIDE 1/2\"/>

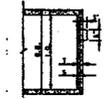
**5 SECTION**  
NOT TO SCALE



**6 SECTION**  
NOT TO SCALE



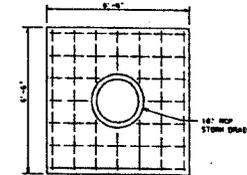
**7 CORNER DETAIL**  
NOT TO SCALE



- DETAIL NOTES:**
1. STEEL MANHOLE FOR REINFORCED CONCRETE PIPE PLUG SHALL BE LEASTENED TO 1/2\"/>

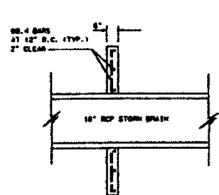
**8 REINFORCED CONCRETE PIPE PLUG DETAIL**  
NOT TO SCALE

PLUS REINFORCEMENT SCHEDULE				
PIPE SIZE	REINFORC. BAR	SPECIFIC	S	
12"-30"	4"	80% WTS	1/2"	1/2"
36"-48"	6"	80% WTS	1/2"	1/2"
60"-84"	8"	80% WTS	1/2"	1/2"

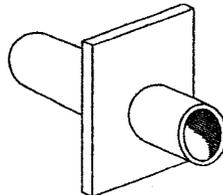


- DETAIL NOTES:**
1. CONCRETE COLLARS TO BE CAST-IN-PLACE USING 3000 PSI CONCRETE.

**9 ANTI-SEEP COLLAR ELEVATION**  
NOT TO SCALE



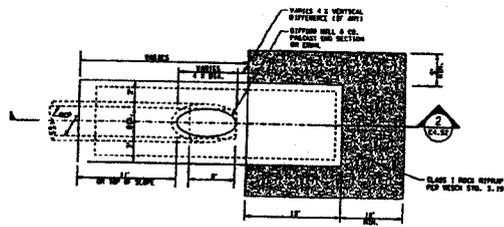
**ANTI-SEEP COLLAR SECTION**  
NOT TO SCALE



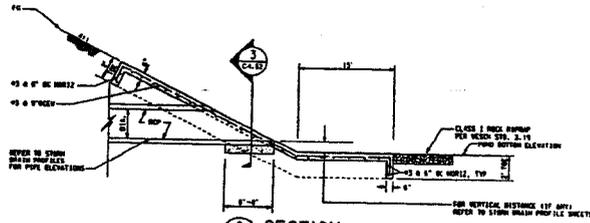
**ANTI-SEEP COLLAR PERSPECTIVE**  
NOT TO SCALE

**PROJECT RECORD**

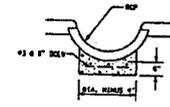
Date: NOV 11 2008  
 160-Mile Road of VA, James City County, VA  
 Miller Building Construction  
 2501 Blue Ridge Rd., G-106, Raleigh, NC 27607  
 Tel: (919) 782-1004  
 This Plan, with the as-built conditions, accurately reflects the work done.  
 Signature: *[Signature]*



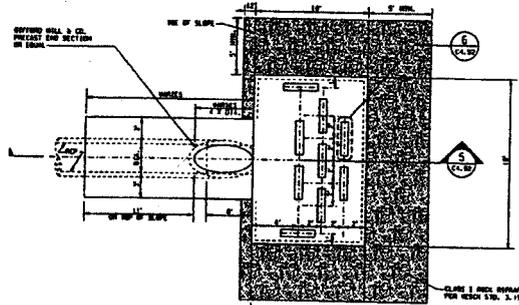
1 SLOPING HEADWALL DETAIL  
NOT TO SCALE



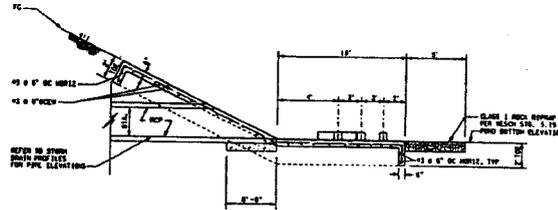
2 SECTION  
(C4.52) NOT TO SCALE



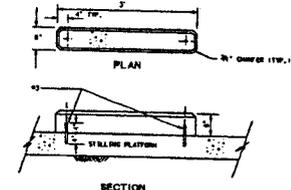
3 SECTION  
(C4.52) NOT TO SCALE



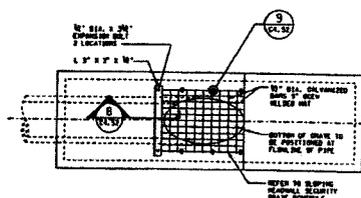
4 SLOPING HEADWALL WITH STILLING APRON  
NOT TO SCALE



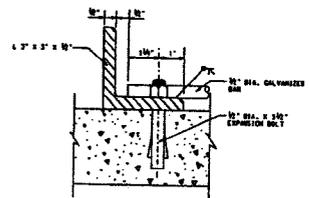
5 SECTION  
(C4.52) NOT TO SCALE



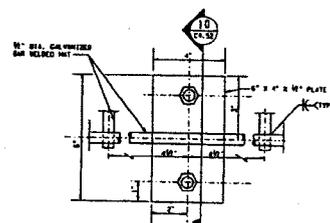
6 CONCRETE BAFFLE  
NOT TO SCALE



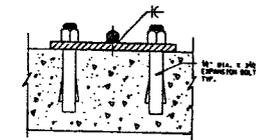
7 SLOPING HEADWALL SECURITY GRATE DETAIL  
NOT TO SCALE



8 SECTION  
(C4.52) NOT TO SCALE



9 SECURITY GRATE FASTENER  
(C4.52) NOT TO SCALE



10 SECTION  
(C4.52) NOT TO SCALE

**BLOPING HEADWALL SECURITY GRATE SCHEDULE**

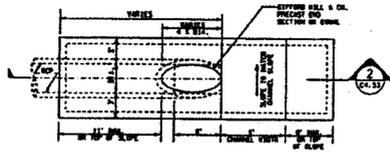
PIPE SIZE INCHES	18" DIA. GALVANIZED BARS L 3 x 3 x 2 1/2			
	LONGITUDINAL BARS		LATERAL	
	NO.	LENGTH IN IN.	NO.	LENGTH IN IN.
18	9	91	9	42
21	9	90	10	42
24	7	100	12	50
36	8	153	17	64
42	9	180	20	73
48	9	207	23	73

# PROJECT RECORD

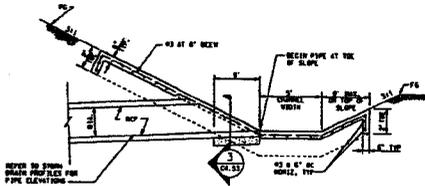
Date: MAY 11 2008  
 For: MARTIN BESS & ASSOCIATES, JAMES CITY COUNTY, VA  
 Author: Building Construction  
 2501 Shaw Ridge Rd., G-10A, Raleigh, NC 27607  
 Tel: (919) 782-1500  
 This Plan, with the no-legal-responsibility  
 accurately reflects the design of the  
 Signature: \_\_\_\_\_



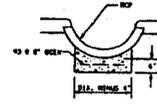




1 SLOPING HEADWALL DISCHARGE FROM OPEN CHANNEL  
NOT TO SCALE

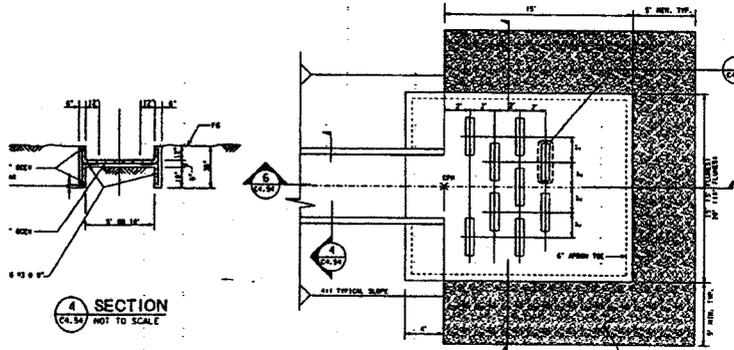


2 SECTION  
NOT TO SCALE



3 SECTION  
NOT TO SCALE

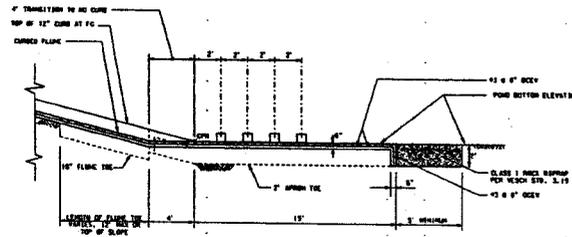
PIPE SIZE (INCHES)	12\"/>		
	NO. LENGTH (IN.)	NO. LENGTH (IN.)	NO. LENGTH (INCHES)
18	6 81	9 46	1 52
21	6 99	10 46	1 52
24	7 106	12 55	1 61
36	6 152	17 64	1 79
42	9 166	20 73	1 79
48	9 201	23 73	1 79



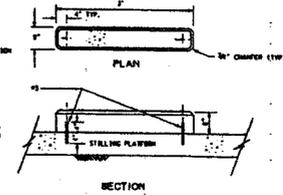
4 SECTION  
NOT TO SCALE

DETAIL NOTES:  
1. REFER TO LAYOUT AND OVERFLOW PLAN FOR COORDINATE OF CENTER POINT (HORIZONTAL 100%).

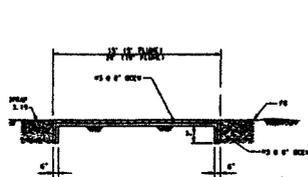
5 FLUME STILLING APRON DETAIL  
NOT TO SCALE



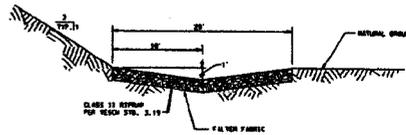
6 SECTION  
NOT TO SCALE



7 CONCRETE BAFFLE  
NOT TO SCALE



8 SECTION  
NOT TO SCALE

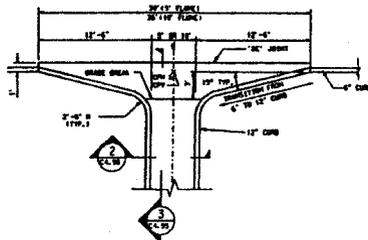


DETAIL NOTES:  
1. REFER TO CHANNEL PLAN FOR FLOW LINE OF ROCK CHANNEL.

9 ROCK CHANNEL DETAIL  
NOT TO SCALE

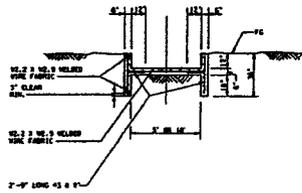
# PROJECT RECORD

Date: Nov 21 2000  
 Plan: 1025 EQF 400L James City County, VA  
 Miller Building Corporation  
 2501 Blue Ridge Rd., G-100, Raleigh, NC 27607  
 Tel: 919-720-1000  
 This Plan, with the as-built conditions, accurately reflects the construction of the project.  
 Signature: \_\_\_\_\_

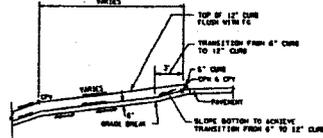


- DETAIL NOTES
1. FLUME LENGTH AND SLOPE, SEE REF. TO LAYOUT AND DIMENSIONED PLANS AND GRADE PLANS.
  2. REFER TO LAYOUT AND DIMENSIONED PLANS FOR COORDINATE OF CONTROL POINT INTERSECTION, ETC.
  3. REFER TO GRADE PLANS FOR ELEVATION OF CONTROL POINT, INTERSECTION, ETC.
  4. REFER TO LAYOUT AND DIMENSIONED PLANS TO DETERMINE FLUME WIDTH (12" OR 18").

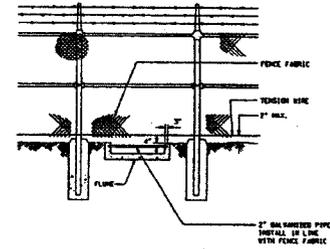
1 FLUME DETAIL  
NOT TO SCALE



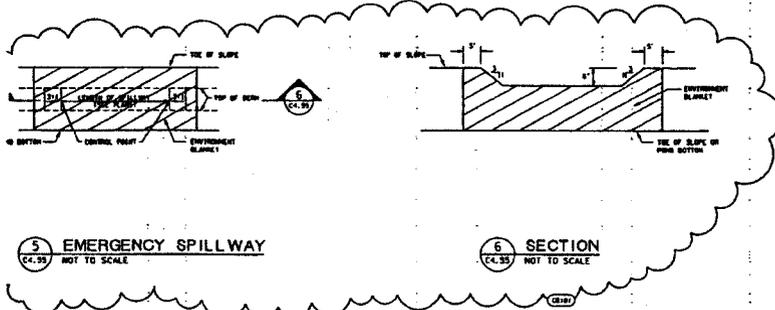
2 SECTION  
NOT TO SCALE



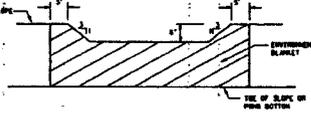
3 SECTION  
NOT TO SCALE



4 SECURITY PIPE FOR  
FLUMES UNDER SECURITY FENCE  
NOT TO SCALE



5 EMERGENCY SPILLWAY  
NOT TO SCALE



6 SECTION  
NOT TO SCALE

# PROJECT RECORD

Date: MON 11.1.2009  
 VOA-ASMT BSE #28, James City County, VA  
 Miller Building Corporation  
 2571 Blue Ridge Rd., S-100, Raleigh, NC 27607  
 Tel: (919) 782-1204  
 This Plan, with the as-built notations  
 accurately reflects the constructed work.  
 Signature: *[Signature]*





- DRAWING LEGEND:**
- SEWER MAIN
  - STORM WATER CONDUIT CHANNEL
  - SALT FENCE
  - TEMPORARY CONSTRUCTION ENTRANCE
  - TEMPORARY FILL RETENTION
  - EXISTENT DRAIN PROTECTION
  - TEMPORARY SLOPE DRAIN
  - SOIL PROTECTION
  - LIMITS OF CONSTRUCTION (CH)
  - SLOPES OF JOB OR RELATED

NOTE: THE ENVIRONMENTAL LIABILITY AS REQUIRED BY SECTION 23-104.1 OF THE CONSTITUTION AND PARAGRAPH 100-100-100 OF THE ZONING ORDINANCE HAS PREVIOUSLY PROVIDED BY SHEETS C-10 & C-11 OF APPROVED PLAN SP-05-00-00

- BENCH MARKS:**
- B.M. 11: Station 101.100 - 2.00' HIGH TO CORNER SET APPROX. 10' FROM THE BRIDGE SUPPORT. STATIONED ON THE EAST SIDE OF BLVD. PLANT AREA. APPROX. 10' WEST OF THE BRIDGE TO APPROXIMATELY 111.2' WEST OF THE POINT OF INTERSECTION OF BLVD. STATIONED ON BLVD. PLANT AREA. ELEV. = 58.00.
  - B.M. 21: STATIONED APPROXIMATELY 10' FROM THE BRIDGE SUPPORT. STATIONED ON THE EAST SIDE OF BLVD. APPROXIMATELY 10' EAST OF THE POINT OF INTERSECTION OF BLVD. STATIONED ON BLVD. PLANT AREA. ELEV. = 58.00.
  - B.M. 31: STATIONED APPROXIMATELY 10' FROM THE BRIDGE SUPPORT. STATIONED ON THE EAST SIDE OF BLVD. APPROXIMATELY 10' EAST OF THE POINT OF INTERSECTION OF BLVD. STATIONED ON BLVD. PLANT AREA. ELEV. = 58.00.



PROJECT NO.	DATE
DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

**WAL-MART**  
 BULK STORAGE NO. 8088  
 JAMES CITY COUNTY, VA

**AREA 2 -**  
 STORM DRAIN  
 EXPANSION  
 EROSION CONTROL PLAN

**Carter & Burgess**  
 2801 Blue Ridge Pk., G-103, Raleigh, NC 27607  
 Tel: (919) 750-6000  
 Fax: (919) 750-6004  
 This Plan, with the exception of any handwritten annotations, reflects the design of the project.



Sheet **C-11**

**PROJECT RECORD**

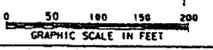
**PROJECT RECORD**

**AREA 2 - STORM DRAIN PLAN**  
 SCALE 1" = 50'-0"

Date: 10/26/01  
 Mr. Scott B. Carter, PE, Expansion, James City County, VA  
 Miller Building Corporation  
 2801 Blue Ridge Pk., G-103, Raleigh, NC 27607  
 Tel: (919) 750-6000  
 This Plan, with the exception of any handwritten annotations, reflects the design of the project.  
 Signature: \_\_\_\_\_



-27° 18' 49" TRUE NORTH

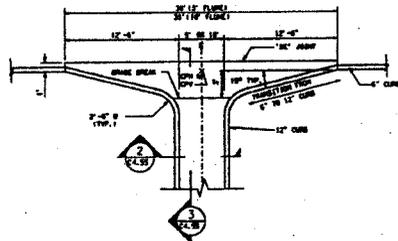


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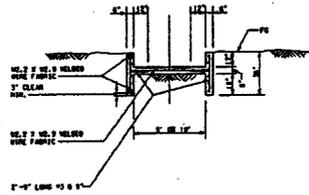




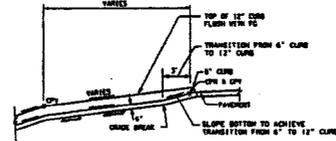
**DETAIL NOTES:**

1. FLUME LENGTH AND SLOPE VARIES, REFER TO LAYOUT AND EROSION CONTROL PLAN, AND EROSION CONTROL PLAN.
2. REFER TO LAYOUT AND EROSION CONTROL PLAN FOR CONSTRUCTION OF CONTROL POINT HORIZONTALS.
3. REFER TO EROSION CONTROL PLAN FOR DETERMINATION OF CONTROL POINT HORIZONTALS.
4. REFER TO LAYOUT AND EROSION CONTROL PLAN FOR DETERMINATION OF CONTROL POINT HORIZONTALS.

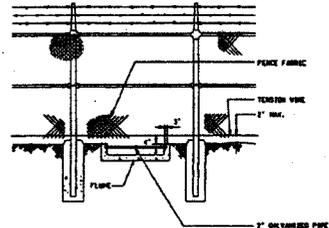
**1 FLUME DETAIL**  
NOT TO SCALE



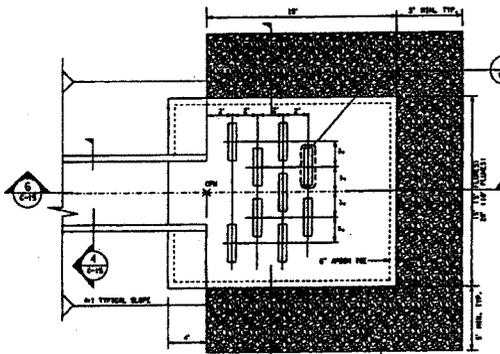
**2 SECTION**  
NOT TO SCALE



**3 SECTION**  
NOT TO SCALE



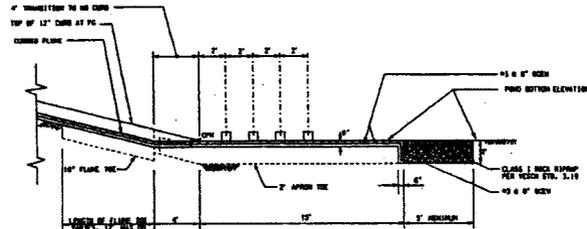
**4 SECURITY PIPE FOR FLUMES UNDER SECURITY FENCE**  
NOT TO SCALE



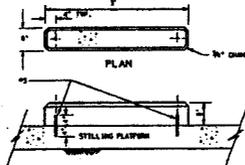
**DETAIL NOTES:**

1. REFER TO LAYOUT AND EROSION CONTROL PLAN FOR CONSTRUCTION OF CONTROL POINT HORIZONTALS.

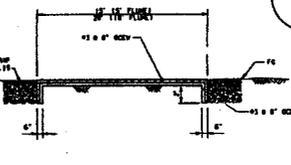
**5 FLUME STILLING APRON DETAIL**  
NOT TO SCALE



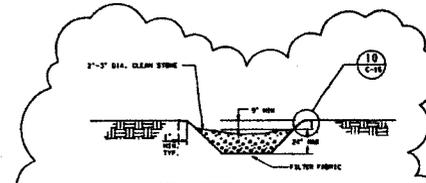
**6 SECTION**  
NOT TO SCALE



**7 CONCRETE BAFFLE**  
NOT TO SCALE



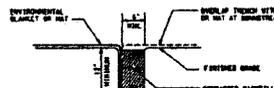
**8 SECTION**  
NOT TO SCALE



**DETAIL NOTES:**

1. CHECK DAM TO HAVE 2\"/>

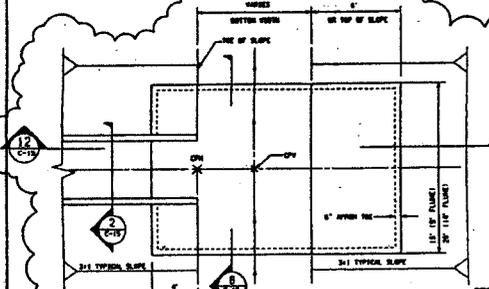
**9 CHECK DAM IN SWALE (ALTERNATIVE) ROCK**  
NOT TO SCALE



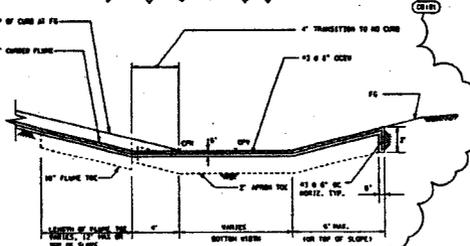
**DETAIL NOTES:**

1. INSTALLATION TO BE PER MANUFACTURER'S RECOMMENDATION.
2. TO BE USED FOR RETENTION, BARRIERS & PROTECTED SLOPE.

**10 ENVIRONMENTAL BLANKET & MAT ANCHOR TRENCH DETAIL**  
NOT TO SCALE



**11 FLUME APRON DETAIL ALONG EAST SIDE OF POND D**  
NOT TO SCALE



**12 SECTION**  
NOT TO SCALE

**DETAIL NOTES:**

1. REFER TO LAYOUT AND EROSION CONTROL PLAN FOR CONSTRUCTION OF CONTROL POINT HORIZONTALS.
2. REFER TO EROSION CONTROL PLAN FOR DETERMINATION OF CONTROL POINT HORIZONTALS.

Date: 12/10/11  
 140-001001 POND, James City County, VA  
 Water Retention Construction  
 2011 Blue Ridge Pk., G-100, Roanoke, VA 24060  
 Tel: (540) 752-2200  
 This Plan, with the contract conditions, accurately reflects the design and construction of the project.  
 Signature: [Signature]

**PROJECT RECORD**

**PROJECT RECORD**

**13 EARTH CONTAINMENT BERM**  
NOT TO SCALE

**WAL-MART**  
 BULK STORAGE NO. 6088  
 EXPANSION  
 JAMES CITY COUNTY, VA

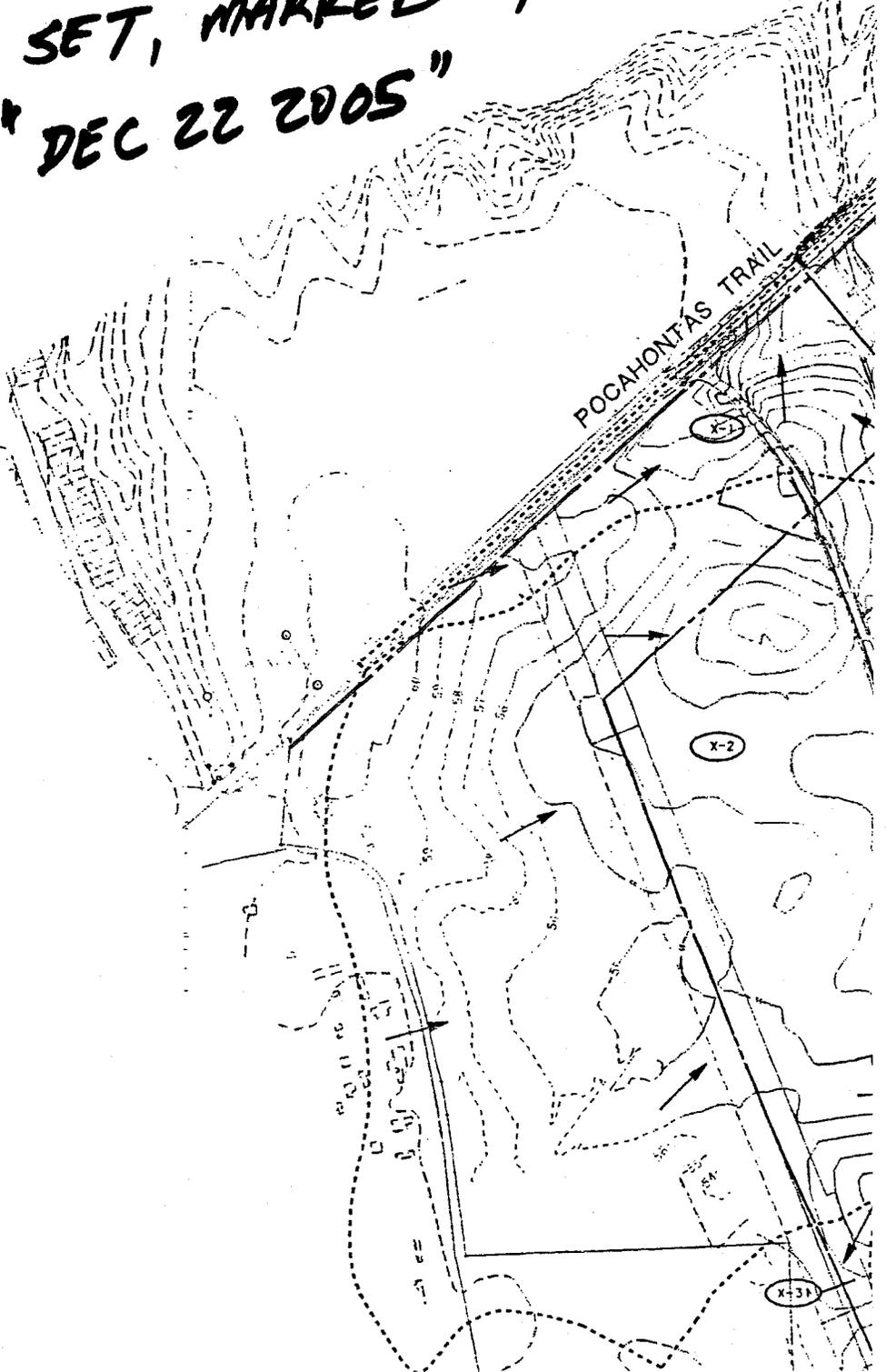
STORM DRAIN A  
 EROSION CONTROL DETAILS  
 SHEET 2 OF 2

**Carrier-Burgess**  
 CONSULTING ENGINEERS  
 140-001001 POND, James City County, VA  
 2011 Blue Ridge Pk., G-100, Roanoke, VA 24060  
 Tel: (540) 752-2200

C-15

As-Built  
Field Shots

**SEE MASTER "RED  
LINE" PROJECT RECORD  
SET, MARKED W/ AB ELEV  
"DEC 22 2005"**



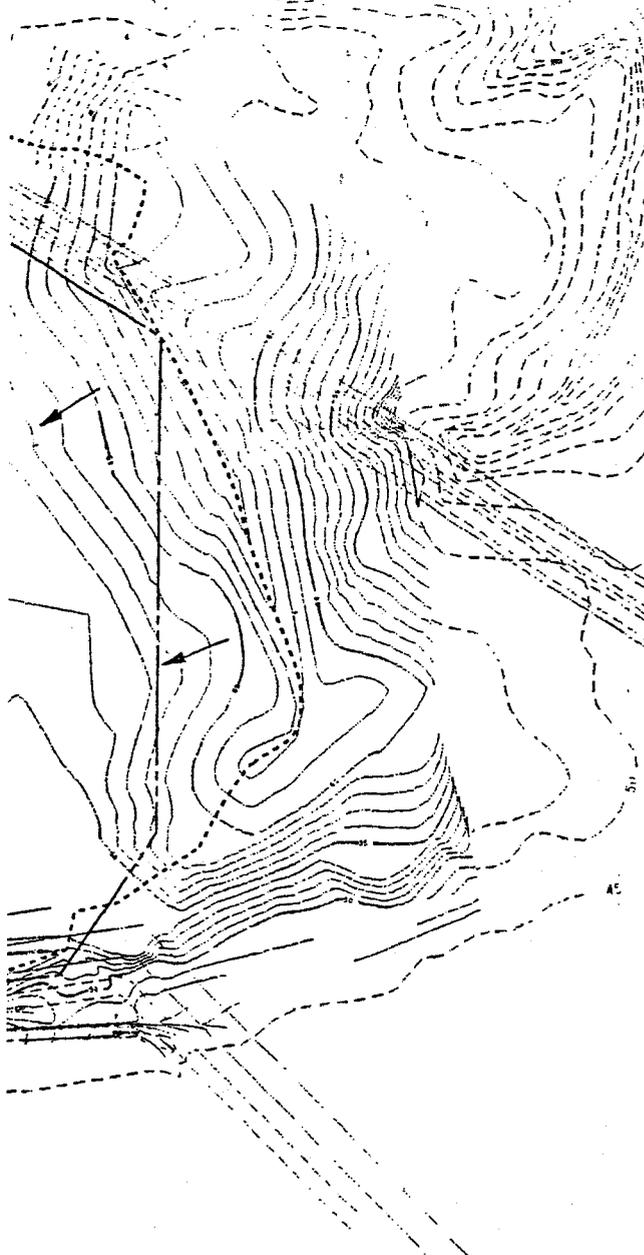
0m+22, 26-28, 34, 37, 40, 41  
(SHOOTTOP)

0m+1, 2, 31-36, 61-63  
(BOAR)

0m+1, 3, 4  
(DAM)

0m+1, 3-12  
(SIT)

0m+1, 3-12, 14-35, 37-63  
(ROAD)



# PROJECT RECORD

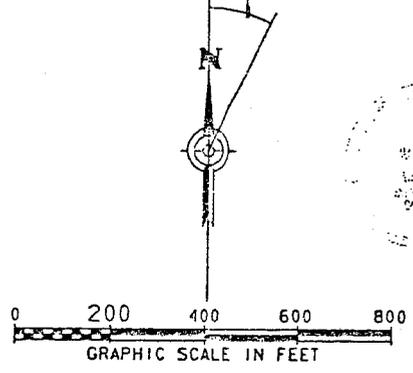
Date **NOV 11 2000**  
 Wal-Mart BSF #88, James City County, VA  
 Miller Building Corporation  
 2501 Blue Ridge Rd., G-100, Raleigh, NC 27607  
 Tel: (919) 782-1004  
 This Plan, with the as-built notations, accurately reflects the construction.  
 Signature *[Signature]*

**WAL-MART**  
 STORE #88  
 BULK STORY  
 JAMES CITY

PREDEVELOPED  
 DRAINAGE AREA MAP

**C&B** **Carter & Burgess**  
 Consultants in Planning, Engineering, Architecture,  
 Construction Management, and Related Services  
**CARTER & BURGESS, INC.**  
 3001 MEACHAM BOULEVARD, SUITE 200  
 FORT WORTH, TX 76137 - 8122

PLAN NORTH  
 TRUE NORTH  
 $-27^{\circ} 18' 49''$



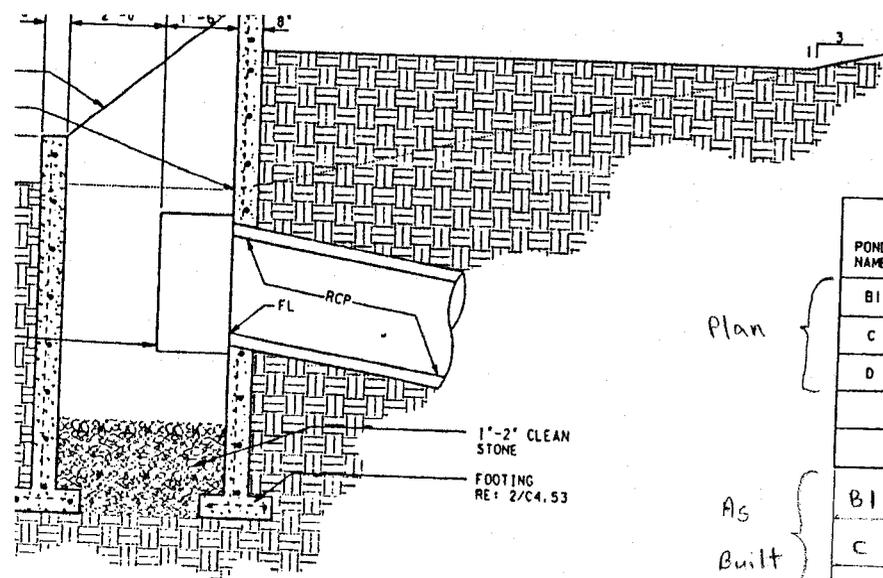
SHEET  
**C4.01**

G:\A\08\99E103\NC1\VD\box\cpdr.sht

3001 Meacham Blvd., Suite 200, Fort Worth, Texas 76137

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**RECEIVED**  
 DEC 22 2005  
 ENVIRONMENTAL  
 DIVISION



Plan

POND NAME	POND BOTTOM ELEV. (FT.)	ELEV. 'A' (FT.)	ELEV. 'B' (FT.)	FLOW LINE (FT.)	COMMENTS
B1	46.0	46.5	48.25	46.5	LINE B-4
C	46.0	46.5	48.25	46.5	LINE C-3
D	46.0	47.0	48.75	43.5	LINE D-1

As Built

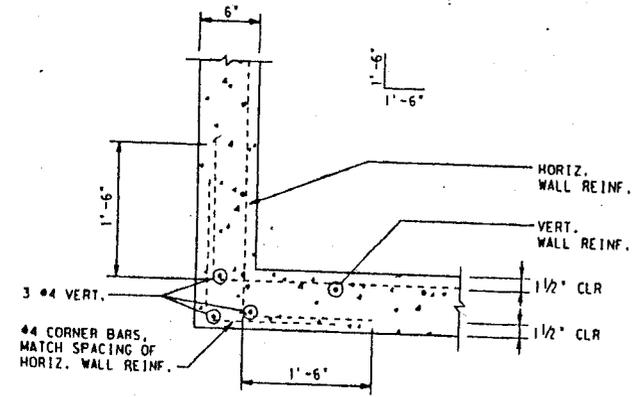
B1	46.77	48.40	-	As-Built	45.18	45.40	Plan
C	46.40	48.01	-	As-Built	44.52	45.29	Plan
D	46.40	48.21	-	As-Built	39.89	40.00	Plan

Spillway Top Inv. In Actual Inv. Out Plan Inv. Out

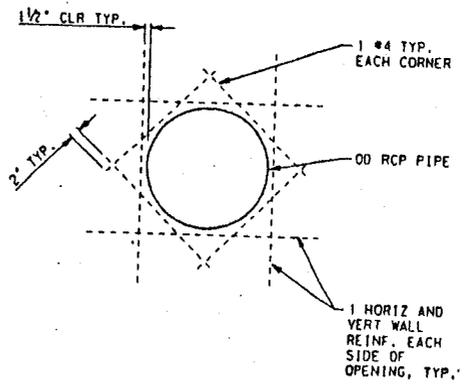
← Inside of Skimmer Plate

DETAIL NOTES:  
1. SKIMMER PLATES AND FOOTINGS ARE INTENDED TO BE PERMANENT INSTALLATIONS AT THE OUTFALL STRUCTURES.

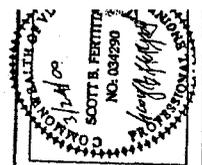
3 SECTIONS  
C4.53 NOT TO SCALE



6 CORNER BAR DETAIL



7 WALL OPENING



PROJECT NO.	DESIGN BY	DRAWN BY	APPROVED BY	DATE	NO.	DATE	ISSUE
98.103	P. MASSELL	E. ROBERTSON	S. FERTITTA	03/27/2009	1	03/27/09	ISSUE FOR CONSTRUCTION

**WAL-MART**  
STORES, INC.  
BULK STORAGE NO. 88  
JAMES CITY COUNTY, VA

AIR DETAILS  
3 OF 5

# LETTER OF TRANSMITTAL

**GLOVER CONSTRUCTION COMPANY, INC.**  
 P.O. Box 40 - Hwy. 301 North & NC 48 East  
 PLEASANT HILL, NORTH CAROLINA 27866

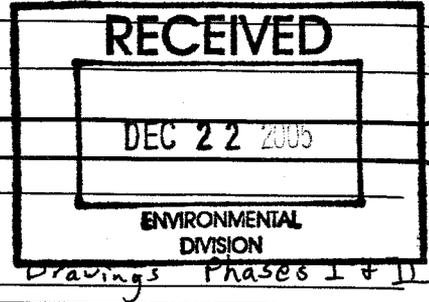
Phone (252) 536-2660

Fax (252) 536-4600

Scott J. Thomas, P.E., Senior Engineer  
 James City County Environmental Division

101 Mounts Bay Road; P.O. Box 8784  
 Williamsburg, VA 23187-8784

JOB NO. S.C.C. Wal-Mart	DATE Tues. 12-20-05
ATTENTION Scott Thomas	
RE: Pond As-Builts	



**WE ARE SENDING YOU**

the following:

- |                                            |                                                                     |
|--------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Attached          | <input type="checkbox"/> Under separate cover via _____             |
| <input type="checkbox"/> Shop Drawings     | <input type="checkbox"/> Specifications                             |
| <input type="checkbox"/> Copy of letter    | <input type="checkbox"/> Change order                               |
| <input checked="" type="checkbox"/> Prints | <input type="checkbox"/> Plans                                      |
| <input type="checkbox"/> Samples           | <input checked="" type="checkbox"/> As-Built Drawings Phases I + II |

COPIES	DATE	NUMBER	DESCRIPTION

**THESE TRANSMISSIONS ARE:**

- |                                                         |                                                           |                                                                  |
|---------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|
| <input type="checkbox"/> For your approval              | <input type="checkbox"/> Approved as submitted            | <input type="checkbox"/> Resubmit with _____ copies for approval |
| <input type="checkbox"/> For your use                   | <input type="checkbox"/> Approved as noted                | <input type="checkbox"/> Submit _____ copies for distribution    |
| <input checked="" type="checkbox"/> As per your request | <input type="checkbox"/> Corrections noted                | <input type="checkbox"/> Return _____ corrected prints           |
| <input type="checkbox"/> For your review and comment(s) | <input type="checkbox"/> _____                            |                                                                  |
| <input type="checkbox"/> FOR BIDS DUE _____ 19 _____    | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US |                                                                  |

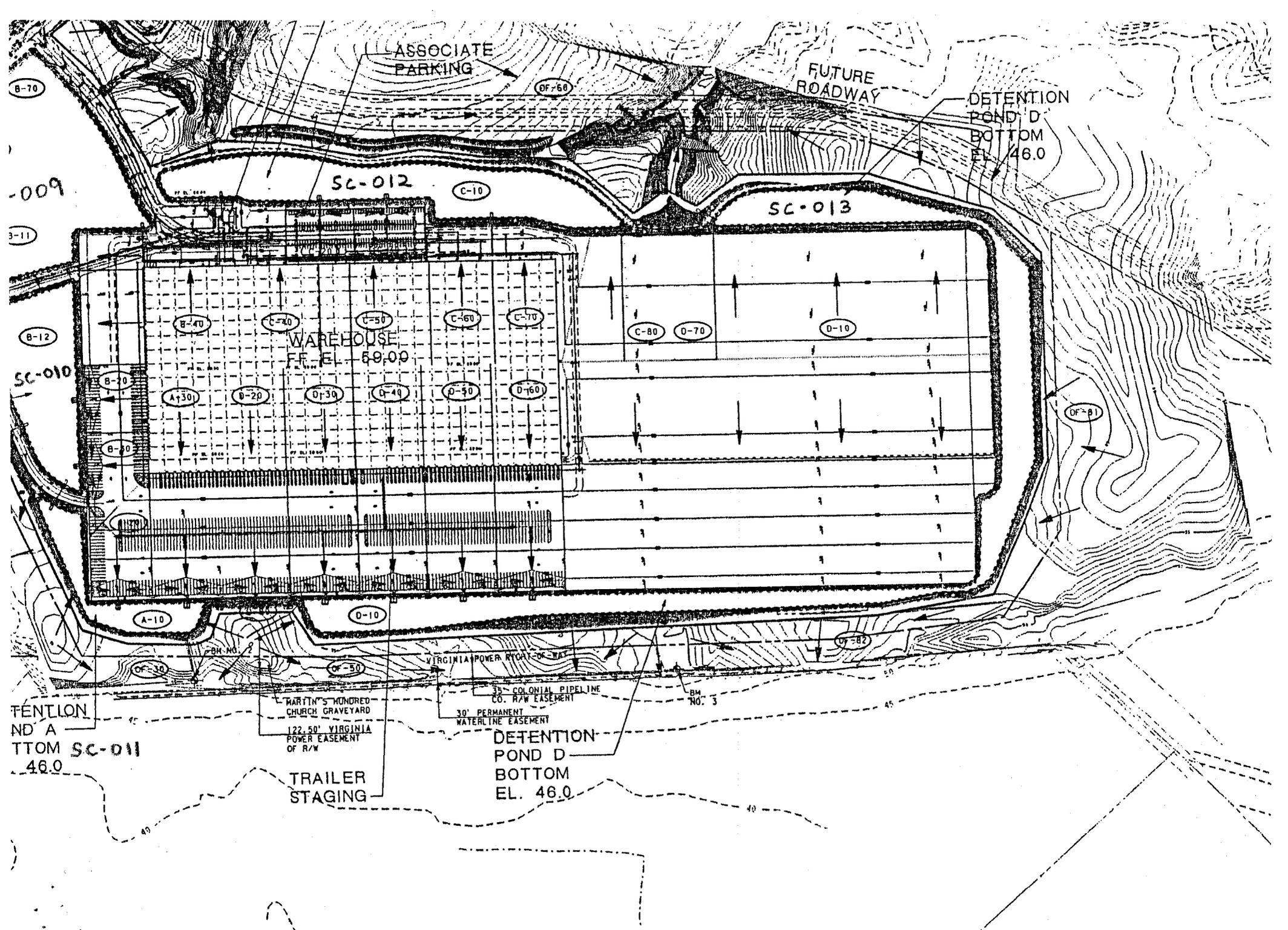
**REMARKS:**

Enclosed are the as-built pond drawings for Phases I + II with actual field shots, shown in red, which were taken after dams and structures were cleaned up per your request. I have spoken with Scott Deese of McCallum and have been informed that you are trying to obtain some test results (compaction, etc.) from Wal-Mart for tests taken on the dams, etc. Unfortunately, I do not have any other information to share with you. I hope Wal-Mart will cooperate.

Also, the Phase III certified drawings and mylars should be here any day.

Thanks for all your help.

COPY TO: Scott Deese of McCallum	SIGNATURE: Ed Make
----------------------------------	--------------------



1
 DEVELOPED DRAINAGE AREA MAP  
 C4.02 SCALE: 1" = 200' - 0"

Location	+	H 2	-	Actual Elev.	Theory Elev.
T.B.M.	5.97	62.11			56.14
0+60.32			13.90	48.21	48.75
✓			15.71	46.40	47.00
0+00			22.22	39.89	40.00
T.B.M.	3.27	59.27			56.00
			12.87	46.40	46.50
			11.26	48.01	48.25
			14.75	44.52	45.29
C	5.58	57.53	7.32	51.95	
			10.76	46.77	46.50
			9.13	48.40	48.25
			12.35	45.18	45.40
E	7.08	60.08	4.53	53.00	
			4.08	56.00	56.00
			15.49	44.59	45.29

Reuban + Ed #2

Diff		Notes		
Assumed		Flume	Flowline	
- .54	Pond	D" outlet	ctrl. struct. B	Top
- .60	✓	✓	✓	A <del>Flume</del> Spillway
- .11	✓	✓	Sloping H/W	Flow
		F.F.	Firehouse	
- .10	Pond	"C"		A Spillway
- .24	✓	✓		B Top
- .77	✓	✓	Sloping H/W	Flow
+ .27	Pond	"B"		A Spillway
+ .15	✓	✓		B Top
- .22	✓	✓		Flow
		S.P. Lid	A Light #4	
Flat				
- .70	re ok	"C" outlet		

No. \_\_\_\_\_ Pond "D" Dam

Date \_\_\_\_\_ Page \_\_\_\_\_

Location	+	H.I.	-	Actual Elev.	Theory Elev.
Flume spillway	6.03'	62.17			56.14
Dam			10.71	51.46	51.00
100'			11.37	50.80	51.00
200'			10.81	51.36	51.00
300' 250'			9.17	53.00	51.00
✓ - in			6.09	56.08	56.14
			6.04	56.13	✓

No. 5.c.c. Phase I & II Dam behind Pond "D"

Date Thurs. 12-8-05 Page 6

Harold + Ed #2

Diff.	Notes
	Assumed T.B.M. @ "D" Outlet End
+0.46	@ Pond "D" Outlet Street.
-0.20	Going East
	↓
+1.36	
+2.00	tie to O.G.
-0.06 ✓ OK	Flume Next Spillway headed east
-0.01 ✓	↓
	Down .05 Due to Air

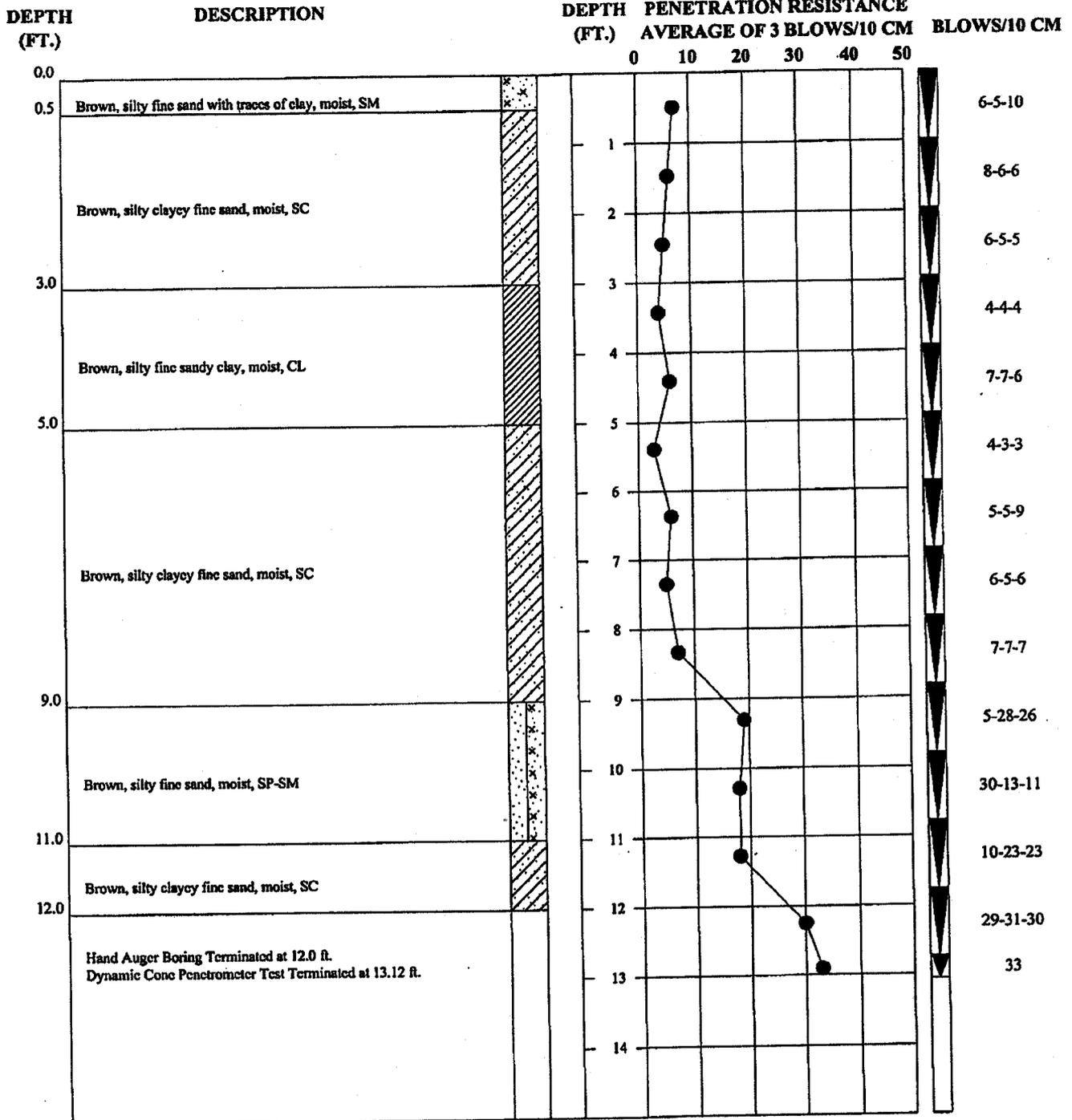
No. Pond "C" Dam  
Date Page

No. S.C.C. Vol-Mat Phase I + II Pond "C" Dam  
Date Thurs. 12-8-05 Page 7

Arnold + Ed #2

Location	+	H.I	-	Actual Elev.	Thery Elev.	Diff.	Notes
T.B.M.	4.91	57.91			53.00		S.B. Lid @ #4 Light Pole
West End			5.99	51.92	51.00	+ .92	
100'			4.65	53.26	↓	+ 2.26	
C 200'	7.02	59.88	5.05	52.86		+ 1.86	
↓ 300'			5.91	53.97		+ 2.97	
400'			5.04	54.84		+ 3.84	
500'			6.52	53.36		+ 2.36	
C 600'	4.53	56.99	7.42	52.46		+ 1.46	
700'			5.22	51.77		+ .77	
800'			5.44	51.55		+ .55	
900'			4.93	52.06		+ 1.06	
C 1000'	4.72	56.78	4.93	52.06		+ 1.06	
1100'			5.29	51.49		+ 1.49	
1200'			5.89	50.89		- .11	
C 1300'	6.63	57.88	5.53	51.25		+ .25	
Ø 1400'			6.86	51.02		+ .02	
1500'			6.74	51.14	↑	+ .14	
1530'			6.75	51.13	51.00	+ .13	tie back @ parking lot
Flume Spill			1.60	56.28	56.14	+ .14	✓-ok for tie

**DYNAMIC CONE  
PENETROMETER TEST**



NOTES: *Groundwater Not Encountered within Depth of Boring.*

- Stratum Change
- ▼ - Groundwater Level at Time of Drilling
- - Cone Penetration Resistance  
Average of 3 Blows/10 cm Increment
- ▼ - Dynamic Cone Penetrometer Test  
Blows per 10 cm Increment

HAND AUGER BORING RECORD	
<b>BORING NUMBER</b>	HA-1
<b>DATE DRILLED</b>	January 24, 2006
<b>PROJECT NUMBER</b>	06-7515
<b>PROJECT LOCATION</b>	Wal-Mart Distribution Center - Phase I & II James City County, Virginia
<b>McCALLUM TESTING LABORATORIES, INC.</b>	

**DYNAMIC CONE  
PENETROMETER TEST**

**DEPTH  
(FT.)**

**DESCRIPTION**

**DEPTH PENETRATION RESISTANCE  
(FT.) AVERAGE OF 3 BLOWS/10 CM BLOWS/10 CM**

0.0

0.5

Brown, clayey silty fine sand, moist, SM-SC

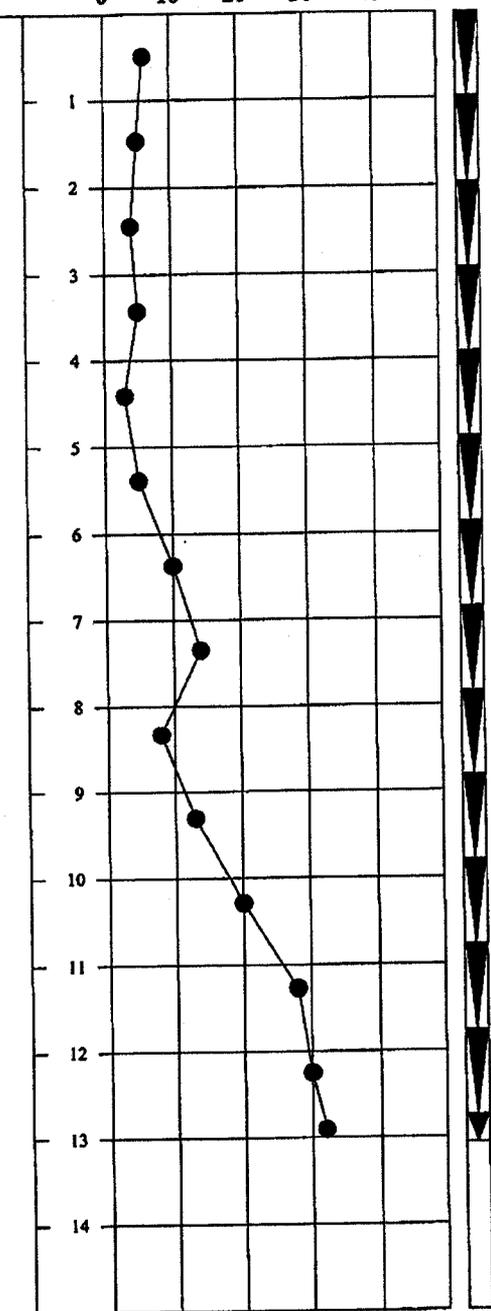
Brown, silty clayey fine sand, moist, SC

7.0

7.2

Brown, silty fine sand with traces of clay, moist, SM

Hand Auger Boring Terminated at 7.2 ft. Due to Obstruction  
Dynamic Cone Penetrometer Test Terminated at 13.12 ft.



5-8-7

7-6-4

4-5-5

5-5-6

4-3-2

2-5-8

9-10-11

17-15-12

8-8-9

10-14-17

20-22-20

26-29-31

30-28-32

32

NOTES: Groundwater Not Encountered within Depth of Boring.

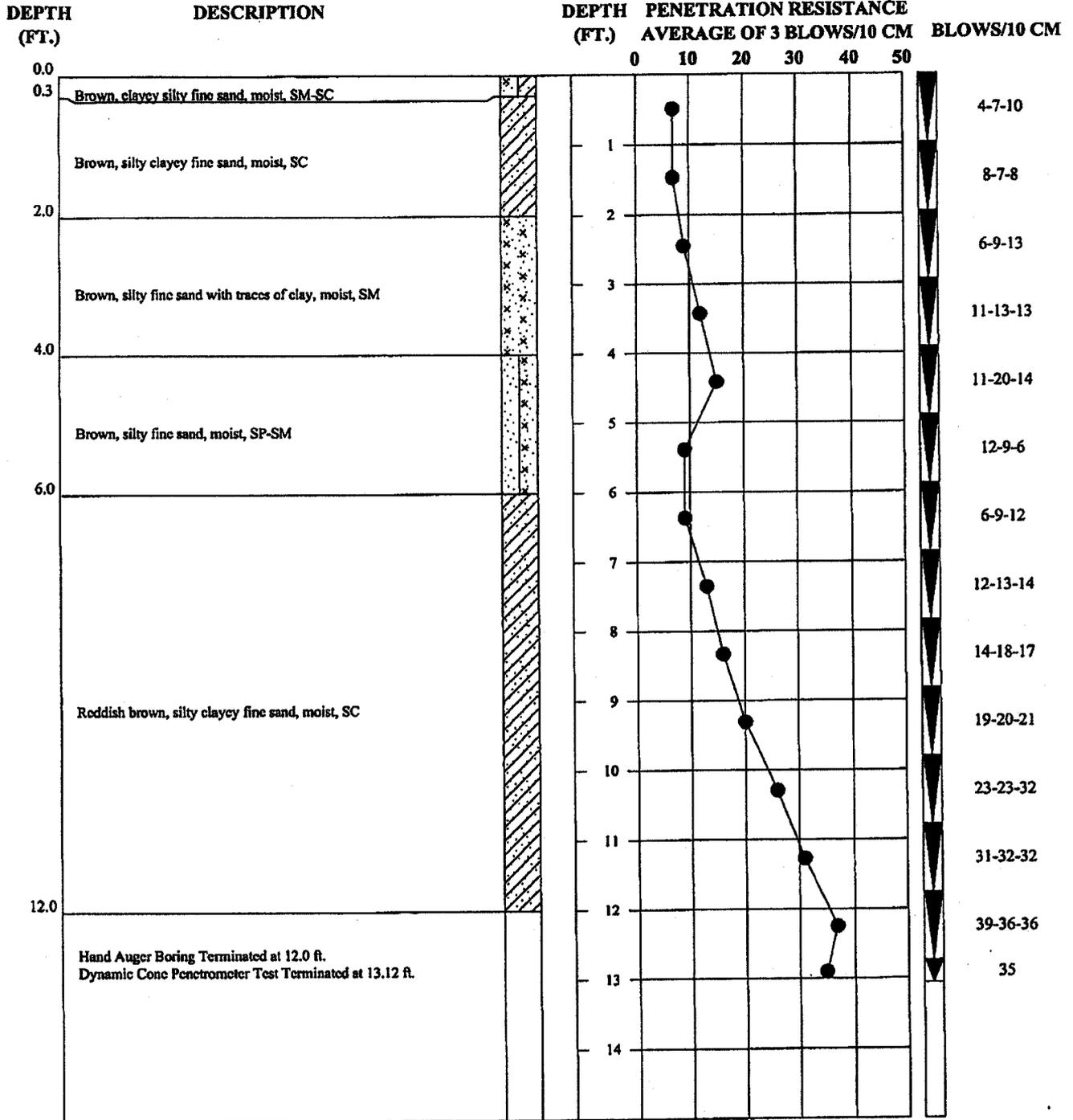
**HAND AUGER BORING RECORD**

<b>BORING NUMBER</b>	HA-2
<b>DATE DRILLED</b>	January 24, 2006
<b>PROJECT NUMBER</b>	06-7515
<b>PROJECT</b>	Wal-Mart Distribution Center - Phase I & II
<b>LOCATION</b>	James City County, Virginia

**McCALLUM TESTING LABORATORIES, INC.**

- Stratum Change
- ∇ - Groundwater Level at Time of Drilling
- - Cone Penetration Resistance  
Average of 3 Blows/10 cm Increment
- ▼ - Dynamic Cone Penetrometer Test  
Blows per 10 cm Increment

**DYNAMIC CONE  
PENETROMETER TEST**



NOTES: *Groundwater Not Encountered within Depth of Boring.*

- - Stratum Change
- ▼ - Groundwater Level at Time of Drilling
- - Cone Penetration Resistance  
Average of 3 Blows/10 cm Increment
- ▼ - Dynamic Cone Penetrometer Test  
Blows per 10 cm Increment

HAND AUGER BORING RECORD	
<b>BORING NUMBER</b>	HA-3
<b>DATE DRILLED</b>	January 24, 2006
<b>PROJECT NUMBER</b>	06-7515
<b>PROJECT</b>	Wal-Mart Distribution Center - Phase I & II
<b>LOCATION</b>	James City County, Virginia
<b>McCALLUM TESTING LABORATORIES, INC.</b>	

## Scott Thomas

---

**From:** Melanie Davis  
**Sent:** Friday, April 17, 2009 1:51 PM  
**To:** Scott Thomas  
**Subject:** FW: Erosion and Sediment Control Bond Bond # 81456700  
**Attachments:** mcall cert.pdf; as built.pdf

**Importance:** High

Scott – Are these documents all that was required for release of the Wal-Mart bonds?

---

**From:** Angela King  
**Sent:** Friday, April 17, 2009 1:46 PM  
**To:** Melanie Davis  
**Subject:** FW: Erosion and Sediment Control Bond Bond # 81456700

Just received this response from Chubb.

---

**From:** bmarx@chubb.com [mailto:bmarx@chubb.com]  
**Sent:** Friday, April 17, 2009 1:35 PM  
**To:** Angela King  
**Cc:** mglover@gloverconstruction.com; emartin@gloverconstruction.com; rtowle@chubb.com  
**Subject:** Erosion and Sediment Control Bond Bond # 81456700

Dear Ms. King:

In response to your inquiry to Mr. Towle, Glover has provided the as-built drawings and construction certificate, both of which are attached. Your claim letter of December 8, 2008 indicated that these two documents, which Glover advised were already provided to James City, would satisfy your claim. As such, no obligation is owed under the bond.

This letter and all prior or subsequent communications are made with express reservation of all rights and defenses that may be available to Federal Insurance Company under the terms and provisions of the bond, contract documents and applicable law.

Very truly yours,

Brian Marx CPCU, CSRP, MA  
Surety Bond Claims Examiner

New Jersey and Specialty Claims  
P.O. Box 1616  
Warren NJ 07059-1616  
phone 908-903-5632  
fax 800-664-5358  
e-mail: [bmarx@chubb.com](mailto:bmarx@chubb.com)

*(See attached file: mcall cert.pdf) (See attached file: as built.pdf)*

# Glover Construction Co., Inc.

P. O. Box 40 • Highway 301 N.  
Pleasant Hill, North Carolina 27866  
(252) 536-2660 • Fax (252) 536-4600

June 18, 2004

**Mr. Scott J. Thomas, P.E.**

PO Box 8784

Williamsburg, Virginia 23187-8784

Re: Wal-Mart Bulk Storage Facility #88  
Green Mount Industrial Park, US route 60  
Phase I (County Plan No. SP-45-00)  
Phase II (County Plan No. SP-24-01, amended SP-81-01)

Dear Mr. Thomas

Enclosed are the AS-Built Drawings of the BMP facilities at the referenced site. As you know we have had a hard time getting the required information from Wal-Mart. We are still trying to get the certification from the parties responsible for inspection of the site on behalf of Wal-Mart. I know this isn't your concern as to how our subcontract was written, but the problem we have is that inspection and as-built drawings were excluded from our subcontract. Therefore we are depending on others whom we have no control over to provide the required information to release these bonds. To further complicate matters, the general contractor for whom we worked is no longer in business, but all the documentation should have been turned over to Wal-Mart if we can just motivate them to find it. However the problem lies in the fact that they have no motivation to cooperate and search their records for this information, since they have no financial exposure as we do. They have told us that they will continue to search the project records for the inspection reports so they can certify the facilities, but so far nothing has been given to us except the as-built drawings. In the mean time is there a possibility of lowering the bond amounts since this is a completed and active facility with little actual exposure. We would be glad to meet with you to further discuss how to resolve this matter.

If you have any questions, please call me.

Very truly yours,

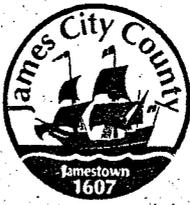
*Ed Martin*

**GLOVER CONSTRUCTION CO., INC**  
Ed Martin, Chief Engineer



*LOG IN*

*-need cons'tcerts!*



## 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 15, 2002

Mr. Ed Martin  
 Glover Construction  
 P.O. Box 40  
 Pleasant Hill, NC 27866

Re: Wal-Mart Bulk Storage Facility # 88  
 Green Mount Industrial Park, US Route 60  
 Phase I (County Plan No. SP-45-00)  
 Phase II Expansion (County Plan No. SP-24-01, amended SP-81-01)

Dear Mr. Martin:

At your request, the Environmental Division has identified items which pertain to release or reduction of erosion and sediment control bond being held for the above referenced projects.

**Record Drawings and Construction Certifications:**

Note # 18 of the Erosion and Sediment Control Notes on Sheet C5.01 of the approved plan for Phase I required as-built drawings and construction certification for BMP facilities following completion. The note on the approved plan is as follows:

*"As-built drawings must be provided for all detention/BMP facilities. Also upon completion, the construction of all detention/BMP facilities shall be certified by a professional engineer who inspected the structure during construction. The certification shall state that to the best of his/her judgement, knowledge and belief, the structure was constructed in accordance with the approval plans and specifications".*

Note # 18 on Sheet C-10 of the Phase II expansion plan also relayed this same information. In Phase II, Pond D was expanded in size to service additional impervious area associated with the building and parking lot expansion. Therefore, record drawings (as-builts) would need to reflect expansion of the Pond D. To date, no record drawings or construction certifications have been received for any of the BMP facilities at the site.

There are five (5) identified pond cells around the perimeter of the Phase I Wal-mart Bulk Storage Facility # 88 and the Phase II expansion site. The wet extended detention ponds are further identified as Ponds A, B-1, B-2, C and D. Although there are five pond cells, two of the ponds, A and B-2 are interconnected to the larger Pond B-1. Interconnected cells will also require record drawings (as-builts) and construction certification, as necessary.

The following matrix provides useful information relative to the onsite BMP's. This will aid in proper submission, review and approval of certification information.

BMP Facility	Location	Assigned County BMP ID Code
Detention Pond B-1	Large pond, NW corner of site.	SC 009
Detention Pond B-2	West part of site, interconnected to Pond B-1.	SC 010
Detention Pond A	SW corner of site, interconnected to Pond B-2.	SC 011
Detention Pond C	North-central part of site, next to parking lot.	SC 012
Detention Pond D	NE and SE corners of site.	SC 013

To aid in the understanding current requirements for submission of record drawings (as-builts) and construction certifications, I have attached the following information packet entitled *James City County, Environmental Division, Stormwater Management/BMP Facilities, Record Drawing and Construction Certification, Standard Forms and Instructions*. Each facility will require proper information and documentation including fully completed forms from the packet, record drawing(s) and a construction certification using the assigned County BMP ID Code number.

Once information as such is received, our division can proceed with a final (detailed) field inspection of each of the BMP facilities. A final field inspection will determine if any construction-related items are necessary for BMP completion. It is our normal process to not proceed with final inspection of stormwater management facilities until such time as the record drawings are received, reviewed and compared for consistency to approved design plan requirements.

*(Note: One issue that will need to be addressed upon final inspection of the onsite BMPs is the condition of wetland plantings and the landscaping plan associated with Detention Pond B-1. This is the largest of the ponds situated in the front of the site closest to Route 60. Sheets C9.01 and C9.02 of approved Phase I plan SP-45-00 called for three zones of wetland plants to be incorporated into this pond. Based on our monitoring efforts since the pond was constructed and our more recent site inspections, wetland plantings at this cell are considerably deficient, mainly due to geese activity and other circumstances. In order to meet the County 10 point system requirements for stormwater management, this facility was intended be a County type A-3 wet extended detention pond facility. Normally, wet extended detention facilities are required to have permanent pools ranging from 3 to 8 feet in depth. As site earthwork and other design constraints prohibited use of a deeper permanent pool, a shallower permanent was allowed by the Environmental Division with the understanding that the facility would be supplemented with wetland plantings for water quality purposes. The current condition of wetland vegetation for this pond would not appear to meet approved stormwater management plan requirements for the site or guidelines of the County BMP manual. Alternatives for replanting based on approved specifications, a modified planting plan which is more adaptable to current conditions or modification of the pond with a deeper pool should be investigated.)*

Site - Related Issues:

*Phase I (SP-45-00)*

1. The eastern shoulder of the paved entrance road between Route 60 and the cul-de-sac requires stabilization. Use of stone is preferred as trucks are heavily utilizing this area for off-road parking.
2. The eastern most temporary slope drain (TSD) on Detention Pond C is still in place. It appears the slope drain is adequately protecting the slope from concentrated runoff; therefore, the pipe can be left in place as a permanent stormwater conveyance. However, if left in place, the outfall end of the slope drain will require riprap outlet protection.
3. Two temporary slope drains along the northern most part of Pond D are still in place. Again, it appears the slope drains are adequately protecting the slope from concentrated runoff; therefore, the pipes can be left in place as permanent stormwater conveyances. However, if left in place the outfall ends of each of the slope drains will require riprap outlet protection.

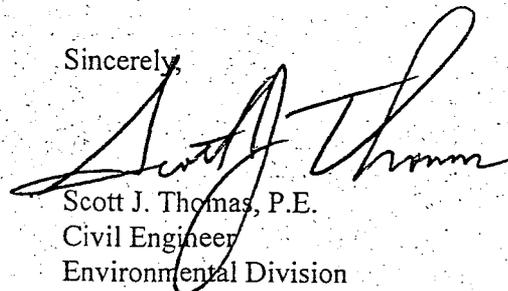
*Phase II Expansion Site (SP-24-01)*

4. Bare soil areas in regraded portions of the emergency spillway for Detention Pond C requires stabilization with seed and mulch or matting.
5. The location of the construction entrance in the back portion of the expansion project (ie. over the gas pipeline) requires stabilization with seed and mulch.

Certification materials and any construction-related items that may be necessary for the onsite BMP facilities when final inspections are performed will remain associated with bond being held for the Phase I portion of the site. Therefore, it appears that upon completion of the site-related issues for Phase II as outlined above, the Phase II bond can be substantially reduced or released in full.

Please contact me at 757-253-6639 or the assigned Environmental Division inspector, Mike Woolson, at 757-253-6823 if you have any further comments or questions.

Sincerely,



Scott J. Thomas, P.E.  
Civil Engineer  
Environmental Division

Date Record Created:

WS\_BMPNO:

Print Record

Created By: Scott Thomas

SC010

PRINTED ON  
Thursday, March 11, 2010  
2:55:32 PM

WATERSHED SC  
 BMP ID NO 010  
 PLAN NO SP-45-00  
 TAX PARCEL  
 PIN NO 6010100010  
 CONSTRUCTION DATE  
 PROJECT NAME Walmart Bulk Storage Facility # 88  
 FACILITY LOCATION 9305 Pochahontas Trail  
 CITY-STATE Williamsburg, VA 23185  
 CURRENT OWNER Wal-Mart Stores East LP  
 OWNER ADDRESS P.O. Box 8050 MS0555  
 OWNER ADDRESS 2  
 CITY-STATE-ZIP CODE Bentonville, AR 72712  
 OWNER PHONE  
 MAINT AGREEMENT Yes  
 EMERG ACTION PLAN No

MAINTENANCE PLAN Yes  
 SITE AREA acre 89.29  
 LAND USE Industrial  
 old BMP TYP Wet Pond  
 JCC BMP CODE A3 Wet ED Pond  
 POINT VALUE 10

SVC DRAIN AREA acres 13.18

SERVICE AREA DESCRI Building & Truck Parking Area

IMPERV AREA acres 0.00

RECV STREAM

EXT DET-WQ-CTRL Yes

WTR QUAL VOL acre-ft

CHAN PROT CTRL Yes

CHAN PROT VOL acre-ft

SW/FLOOD CONTROL Yes

GEOTECH REPORT No

CTRL STRUC DESC Skimmer

CTRL STRUC SIZE inches

OTLT BARRL DESC RCP

OTLT BARRL SIZE inch 24

EMERG SPILLWAY No

DESIGN HW ELEV 49.03

PERM POOL ELEV 46.5

2-YR OUTFLOW cfs 4.43

10-YR OUTFLOW cfs 11.65

REC DRAWING Yes

CONSTR CERTIF Yes

LAST INSP DATE Inspected by:

INTERNAL RATING

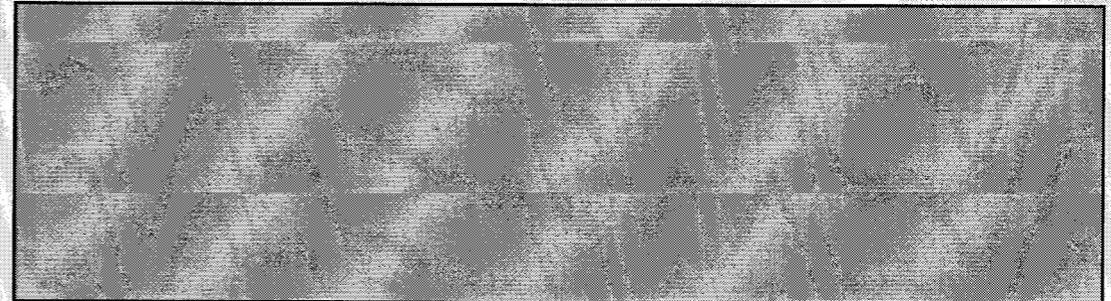
MISC/COMMENTS

Pond B-2 (West)

Get Last BMP No

Return to Menu

Additional Comments:



## **Construction Experience Of Principal Individuals**

*Name, Position, Time Employed in Current Position:* **J. M. Glover, President – 30 Years**  
*Construction Experience, Aggregate Dollar Amount:* **47 Years Experience / 400 Million Plus**  
*Classification Of Work:* **All types of highway construction, landfill construction, airports, water and sewer treatment plants, golf courses, large industrial sites, buildings, dams, bridges, major utility lines. Involved in all phases of construction management, field work, design of alternate construction methods and negotiations.**

*Name, Position, Time Employed in Current Position:* **J. Mark Glover, Vice President – 27 Years**  
*Construction Experience, Aggregate Dollar Amount:* **32 Years Experience / 300 Million Plus**  
*Classification Of Work:* **All types of highway construction, landfill construction, airports, water and sewer treatment plants, golf courses, large industrial sites, buildings, dams, bridges, major utility lines. Currently as Vice President, he supervises several projects working closely with all of the superintendents from start to finish on their projects.**

*Name, Position, Time Employed in Current Position:* **Matt B. Glover, Vice President – 25 Years**  
*Construction Experience, Aggregate Dollar Amount:* **30 Years Experience / 300 Million Plus**  
*Classification Of Work:* **All types of highway construction, landfill construction, airports, water and sewer treatment plants, golf courses, large industrial sites, buildings, dams, bridges, major utility lines. Has experience in field operations, and served as a field superintendent for three years prior to being placed in charge of office operations. Involved in estimating, project management, contract negotiations, legal matters, company policy, and subcontractor negotiations.**

*Name Present Position, & Time Employed:* **Durwood Jeffries, Superintendent-31 Years**  
*Construction Experience, Aggregate Dollar Amount:* **40 Years Experience/300 Million Plus**  
*Classification of Work:* **All phases of highway construction, landfill construction, and mass excavation projects, canal construction, dredging, mining operations, golf courses, large industrial sites, buildings, dams, bridges, major utility lines, has experience in field operations, and served as a field superintendent for the past twenty five years after coming to work as a highly talented equipment operator and drainage expert.**

*Name Present Position, & Time Employed:* **Wayne Clements, Superintendent-19 Years**  
*Construction Experience, Aggregate Dollar Amount:* **18 Years Construction Experience 5 Years Logging Experience/150 Million Plus**  
*Classification of Work:* **Several Large highway projects, landfill construction, very large utility relocation projects involving deep lines and pile supported encasement pipes, and airport construction. Superintendent for the past 16 years and has been instrumental in the successful completion of several fast track projects.**

Name Present Position & Time Employed: **Jerry Walski, Superintendent-19 Years**  
Construction Experience, Aggregate Dollar Amount: **24 years Experience/200 Million Plus**  
Classification of Work: **All types of highway construction, landfill construction, airports, water and sewer treatment plants, golf courses, large industrial sites, buildings, dams, bridges, major utility lines. Superintendent for the past 16 years and prior to that he was a self employed concrete contractor.**

Name Present Position & Time Employed: **Ed Martin, Chief Engineer/Estimator-17 Years**  
Construction Experience, Aggregate Dollar Amount: **20 Years Experience/500 Million Plus**  
Classification of Work: **Highway construction, landfill construction, utility and building construction. Chief estimator, involved in all phases of bidding, contract management, subcontract negotiation, planning, project meetings, and is our DBE Liaison Officer.**

Name Present Position & Time Employed: **Armon Pfeifer, Engineer/Estimator – 13 Years**  
Construction Experience, Aggregate Dollar Amount: **23 Years Experience/300 Million Plus**  
Classification of Work: **Highway construction, landfill construction, utility and building construction. Involved in estimating, bidding, subcontractor scheduling, and project management.**

Name Present Position, & Time Employed: **Reuben Williams, Superintendent – 8 Years**  
Construction Experience, Aggregate Dollar Amount: **18 Years Experience/150 Million Plus**  
Classification of Work: **All types of highway construction, landfill construction, airports, water and sewer treatment plants, large industrial sites, buildings, dams, bridges, major utility lines. Superintendent for the past 5 years and prior to that he was an inspector for the NCDOT.**

Name Present Position, & Time Employed: **Harold Powell, Superintendent – 11 Years**  
Construction Experience, Aggregate Dollar Amount: **20 Years Experience/125 Million Plus**  
Classification of Work: **All types of highway construction, landfill construction, airports, water and sewer treatment plants, large industrial sites, buildings, dams, bridges, major utility lines. Superintendent for the past 10 years, prior to that he worked as a superintendent on similar projects.**

Name Present Position, & Time Employed: **Ed Marks, Engineer/Estimator – 9 Months**  
Construction Experience, aggregate Dollar Amount: **19 Years Experience/200 Million Plus**  
Classification of Work: **Highway construction, surveying, and utility construction. Involved in estimating, bidding, subcontractor scheduling, and project management.**