



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: 99146

DATE VERIFIED: October 2, 2012

QUALITY ASSURANCE TECHNICIAN: Leah Hardenbergh

Leah Hardenbergh

LOCATION: WILLIAMSBURG, VIRGINIA



Stormwater Division

MEMORANDUM

Date: March 23, 2012
To: Michael J. Gillis, Virginia Correctional Enterprises Document Management Services
From: Leah Hardenbergh
PO: 110426
Re: Files Approved for Scanning

General File ID or BMP ID: 99146 (SP-0103-2009)
PIN: 5140100009
Owner Name (if known): Busch Entertainment Corp.
Legal Property Description: Busch Gardens Stroller Rental Relocation
Site Address: 7851 Pocahontas Trail

(For internal use only):

Box # 1

Agreements (in file as of scan date): N **Book or Doc #:**

Contents for Stormwater Management Facilities As-built Files

Each File is to contain:

- 1. Maintenance Agreement
- 2. Construction certification
- 3. As-Built plan
- 4. Design Calculations
- 6. Correspondence
- 7. Inspection records
- 8. Miscellaneous



James City County, Virginia
Stormwater Division

Stormwater Facilities - BMP and Conveyance Systems
Record Drawing and Construction Certification Forms

Note: In accordance with the requirements of the Chesapeake Bay Preservation Ordinance, Chapter 23, Section 23-10(4), BMPs shall be designed and constructed in accordance with the manual entitled James City County Guidelines for Design and Construction of Stormwater Management BMPs. The Subdivision Ordinance, Chapter 19-62, the Zoning Ordinance, Chapter 24-159, and approved construction plans generally require that at the completion of the project and prior to release of surety, an "as-built" plan prepared by a registered Professional Engineer or Certified Land Surveyor must be provided for the drainage system for the project including any Best Management Practice (BMP) facilities. In addition, for BMP facilities, written construction certification is required by a Professional Engineer who inspected the structure during its construction. Currently there are over 20 water quality type BMPs accepted by the County.

Section 1 - Site Information:

Project Name: Busch Gardens-Williamsburg Stroller Rental Relocation
Structure/BMP Name: STORM DRAIN SYSTEM ONLY - No BMP except 8 rainbarrels
Project Location: _____
BMP Location: _____
County Plan No.: SP - 0103 - 2009
Project Type: Residential Business Tax Map/Parcel No.: _____
 Commercial Office BMP ID Code (if known): _____
 Institutional Industrial Zoning District: _____
 Public Roadway Land Use: _____
 Other _____ Site Area (sf or acres): _____

Brief Description of Stormwater Management/BMP Facility: _____

Nearest Visible Landmark to SWM/BMP Facility: _____

Nearest Vertical Ground Control (if known):
 JCC Geodetic Ground Control USGS Temporary Arbitrary Other

Station Number or Name: _____

Datum or Reference Elevation: _____

Control Description: _____

Control Location from Subject Facility: _____

Section 2 - Stormwater Management / BMP Facility Construction Information:

Preconstruction Meeting Held for Construction of SWM/BMP Facility: Yes No Unknown

Approx. Construction Start Date for SWM/BMP Facility: 2/20/10

Facility Monitored by County Representative during Construction: Yes No Unknown

Name of Site Work Contractor Who Constructed Facility: Henderson, Inc.

Name of Professional Firm Who Routinely Monitored Construction: ECS Mid-Atlantic

Date of Completion for SWM/BMP Facility: 4/13/10

Date of Record Drawing/Construction Certification Submittal: _____

(Note: Record Drawing and Construction Certifications are required within thirty (30) days of the completion of construction of a Stormwater Facility – BMP or Conveyance system. Record Drawings and Construction Certifications must be reviewed and approved by the James City County Stormwater Division prior to final inspection, acceptance and surety release.)

Section 3 - Owner / Designer / Contractor Information:

Owner/Developer: *(Note: Site Owner or Applicant responsible for development of the project.)*

Name: Busch Entertainment Corp.

Mailing Address: One Busch Gardens Blvd, Williamsburg Va. 23187

Business Phone: 757-253-3401 Fax: 757-253-3435

Contact Person: Suzanne Cheely Title: _____

Design Professional: *(Note: Professional Engineer or Certified Land Surveyor responsible for the design and preparation of plans and specifications for the Stormwater facilities.)*

Firm Name: _____

Mailing Address: _____

Business Phone: _____ Fax: _____

Responsible Plan Preparer: _____

Title: _____

Plan Name: _____

Firm's Project No. _____ Plan Date: _____

Sheet No. Applicable to SWM/BMP Facility: _____ / _____ / _____ / _____ / _____

Stormwater Facility Contractor: *(Note: Site Work Contractor directly responsible for construction of the Stormwater facilities.)*

Name: Henderson Inc.

Mailing Address: P.O. Box 8M Williamsburg Va. 23187

Business Phone: 757-565-1090 Fax: 757-564-9120

Contact Person: Mike Powell

Site Foreman/Supervisor: _____

Specialty Subcontractors & Purpose (for BMP Construction Only): _____

Section 4 - Professional Certifications:

Certifying Professionals: *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 stormwater facilities for the project including all BMP and conveyance systems. A Registered Professional Engineer is responsible for the inspection, monitoring and certification of all stormwater facilities – BMP and conveyance systems during their construction.*

Record Drawing and Construction Certifications for Stormwater Facilities - BMP and Conveyance Systems

Record Drawing Certification

Firm Name: _____
Mailing Address: _____

Business Phone: _____
Fax: _____

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 Facilities. The facilities appear to conform to the provisions of the approved construction plans and specifications except as specifically noted.

(Seal)
Virginia Registered Professional Engineer
or Certified Land Surveyor

Construction Certification

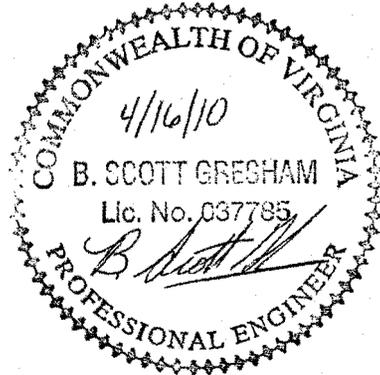
Firm Name: ELS Mid-Atlantic LLC
Mailing Address: 108 Ingram Rd Suite 1
Williamsburg Va 23188
Business Phone: 757-229-6677
Fax: 757-229-9978

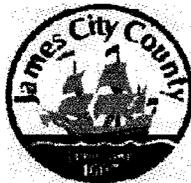
Name: B. Scott Gresham P.E.
Title: Construction Services Manager

Signature: *B. Scott Gresham*
Date: 4/16/10

I hereby certify to the best of my knowledge and belief that these Stormwater Facilities were monitored and constructed in accordance with the provisions of the approved construction plans and specifications except as specifically noted.

(Seal)
Virginia Registered
Professional Engineer





James City County, Virginia
Stormwater Division

Stormwater Facilities - BMP and Conveyance Systems
Record Drawing and Construction Certification Forms

Note: In accordance with the requirements of the Chesapeake Bay Preservation Ordinance, Chapter 23, Section 23-10(4), BMPs shall be designed and constructed in accordance with the manual entitled James City County Guidelines for Design and Construction of Stormwater Management BMPs. The Subdivision Ordinance, Chapter 19-62, the Zoning Ordinance, Chapter 24-159, and approved construction plans generally require that at the completion of the project and prior to release of surety, an "as-built" plan prepared by a registered Professional Engineer or Certified Land Surveyor must be provided for the drainage system for the project including any Best Management Practice (BMP) facilities. In addition, for BMP facilities, written construction certification is required by a Professional Engineer who inspected the structure during its construction. Currently there are over 20 water quality type BMPs accepted by the County.

Section 1 - Site Information:

Project Name: STROLLER RENTAL RELOCATION

Structure/BMP Name: RHINE RIVER (BUSCH GARDEN LAKE)

Project Location: BUSCH GARDENS

BMP Location: BUSCH GARDEN LAKE

County Plan No.: SP - 0103 - 2009

Project Type: Residential Business Commercial Office Institutional Industrial Public Roadway Other _____
Tax Map/Parcel No.: (51-4)(01-9)
BMP ID Code (if known): _____
Zoning District: M-1
Land Use: THEME PARK
Site Area (sf or acres): 382 ACS.

Brief Description of Stormwater Management/BMP Facility: MULTI ABERG LAKE
OUTFALL DAM LOCATED ADJACENT TO
BREWERY SERVICE ROAD

Nearest Visible Landmark to SWM/BMP Facility: BUSCH GARDENS TOLL PLAZA
Nearest Vertical Ground Control (if known):

JCC Geodetic Ground Control USGS Temporary Arbitrary Other

Station Number or Name: _____

Datum or Reference Elevation: _____

Control Description: _____

Control Location from Subject Facility: _____

Section 2 - Stormwater Management / BMP Facility Construction Information:

Preconstruction Meeting Held for Construction of SWM/BMP Facility: Yes No Unknown

Approx. Construction Start Date for SWM/BMP Facility:

Facility Monitored by County Representative during Construction: Yes No Unknown

Name of Site Work Contractor Who Constructed Facility: UNKNOWN

Name of Professional Firm Who Routinely Monitored Construction: UNKNOWN

Date of Completion for SWM/BMP Facility: 1976 +/-

Date of Record Drawing/Construction Certification Submittal: UNKNOWN

(Note: Record Drawing and Construction Certifications are required within thirty (30) days of the completion of construction of a Stormwater Facility – BMP or Conveyance system. Record Drawings and Construction Certifications must be reviewed and approved by the James City County Stormwater Division prior to final inspection, acceptance and surety release.)

Section 3 - Owner / Designer / Contractor Information:

Owner/Developer: *(Note: Site Owner or Applicant responsible for development of the project.)*

Name: BUSCH GARDENS - SUZY CHEELY

Mailing Address: ONE BUSCH GARDENS BLVD

Business Phone: 253-3401 Fax: 253-3435

Contact Person: SUZY CHEELY Title: DIRECTOR ENGINEERING & DESIGN

Design Professional: *(Note: Professional Engineer or Certified Land Surveyor responsible for the design and preparation of plans and specifications for the Stormwater facilities.)*

Firm Name: LANDMARC DESIGN GROUP

Mailing Address: ONE COLUMBUS CENTER SUITE 1100 VA BEACH

Business Phone: 233-3242 Fax: 497-7933

Responsible Plan Preparer: RONNIG ORSBORG

Title: SENIOR ASSOCIATE

Plan Name: STOLLER RENTAL RELOCATION

Firm's Project No. 2007192-002.02 Plan Date: 12/10/09

Sheet No. Applicable to SWM/BMP Facility: - / - / - / - / -

Stormwater Facility Contractor: *(Note: Site Work Contractor directly responsible for construction of the Stormwater facilities.)*

Name: HENDERSON, INC.

Mailing Address: MORETOWN ROAD

Business Phone: Fax:

Contact Person: PETER HENDERSON

Site Foreman/Supervisor: MIKE CONNER

Specialty Subcontractors & Purpose (for BMP Construction Only):

Section 4 - Professional Certifications:

Certifying Professionals: *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 stormwater facilities for the project including all BMP and conveyance systems. A Registered Professional Engineer is responsible for the inspection, monitoring and certification of all stormwater facilities – BMP and conveyance systems during their construction.*

Record Drawing and Construction Certifications for Stormwater Facilities - BMP and Conveyance Systems

Record Drawing Certification

Construction Certification

Firm Name: LANDMARK DESIGN GROUP
Mailing Address: ONE COLUMBUS CENTER
SUITE 1100 V.D. BEACH 23462
Business Phone: 233-3242
Fax: 497-7933

Firm Name: _____
Mailing Address: _____
Business Phone: _____
Fax: _____

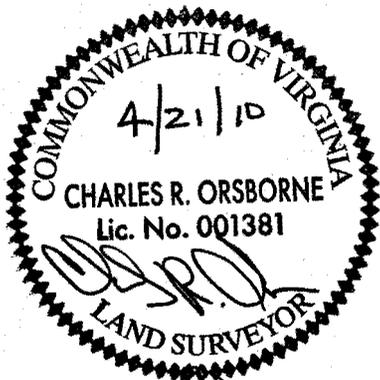
Name: ROBBIE ORSBORNE
Title: SENIOR ASSOCIATE
Signature: _____
Date: 4/21/10

Name: _____
Title: _____
Signature: _____
Date: _____

001381

I hereby certify to the best of my knowledge and belief that this record drawing represents the actual condition of the Stormwater Facilities. The facilities appear to conform to the provisions of the approved construction plans and specifications except as specifically noted.

I hereby certify to the best of my knowledge and belief that these Stormwater Facilities were monitored and constructed in accordance with the provisions of the approved construction plans and specifications except as specifically noted.



Charles R. Orsborne (Seal)
Virginia Registered Professional Engineer
or Certified Land Surveyor

Virginia Registered
Professional Engineer (Seal)

BUSCH GARDENS



SP-0103-2009

COUNTY OF JAMES CITY
FINAL DATE: JAN 10 2010
APPROVALS: [Signatures]
File Date: 01/06/10
Month Dept: [Blank]
Project: CAS
Location: ST
Zoning Adm: M-1
JCCA: DO
County Eng: [Blank]
REA: [Blank]
Cohort: [Blank]



STROLLER RENTAL RELOCATION

JAMES CITY COUNTY, VIRGINIA

DECEMBER 10, 2009

JCC CASE # SP-0103-2009

STATISTICAL DATA

PROJECT SITE ADDRESS	7851 POCAHONTAS TRAIL WILLIAMSBURG, VA. 23187 (51-4)(01-9)
JAMES CITY COUNTY TAX MAP NO.	M-1
ZONING	CITY COUNTY
PROJECT SITE INCLUDED IN THE PSA OF JAMES CITY COUNTY	382 ACRES
TOTAL SITE AREA	10,264 sq.ft./0.24 ACRES
TOTAL PROJECT AREA	8,190 sq.ft./0.19 ACRES
TOTAL DISTURBED AREA	251 sq.ft./0.006 ACRES (2.5% OF PROJECT AREA)
TOTAL PRE-DEVELOPMENT IMPERVIOUS AREA	4,998 sq.ft./0.11 ACRES (45.8% OF PROJECT AREA)
TOTAL POST-DEVELOPMENT IMPERVIOUS AREA	A-3
BUILDING CLASSIFICATION	TYPE V-B
BUILDING CONSTRUCTION TYPE	16'
BUILDING HEIGHT:	3,620 sq.ft.
BUILDING AREA (TOTAL FOOTPRINT AREA)	

NO PART OF THE EXPANSION SHALL EXCEED 60' (ABOVE FINISHED GRADE) IN HEIGHT, PURSUANT TO SECTION 24-419 OF THE ZONING ORDINANCE.

ANY SIGNS CONSTRUCTED IN CONJUNCTION WITH THIS PROJECT THAT ARE VISIBLE FROM ANY PUBLIC RIGHT OF WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE II, DIVISION 3 OF THE JAMES CITY COUNTY ZONING ORDINANCE.

ALL UTILITIES CONSTRUCTED IN ASSOCIATION WITH THIS PROJECT SHALL BE PLACED UNDERGROUND.

FLOOD INSURANCE RATE MAP
COMMUNITY-PANEL NUMBER 510201 0050 B
DATED: FEBRUARY 6, 1991
PROJECT APPEARS TO BE IN ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN

WATER SUPPLY: WATER SUPPLIED BY NEWPORT NEWS WATER WORKS
WATER SYSTEM: PRIVATE
SANITARY SEWER DISCHARGE: THROUGH HAMPTON ROADS SANITATION DISTRICT
SANITARY SEWER SYSTEM: PRIVATE
STORM WATER QUALITY: RHINE RIVER WILL PROVIDE STORM WATER QUALITY BMP
STORM WATER MANAGEMENT: RHINE RIVER WILL PROVIDE STORM WATER MANAGEMENT WATERSHED: THIS SITE LIES WITHIN THE JAMES RIVER WATERSHED.

THE OWNER OR CONTRACTOR SHALL OBTAIN A VSMP STORMWATER PERMIT FROM DCR PRIOR TO ISSUANCE OF LAND DISTURBING PERMIT.

OWNER/DEVELOPER: BUSCH GARDENS
CONTACT: SUZY CHEELY
ADDRESS: ONE BUSCH GARDENS BLVD.
WILLIAMSBURG, VA. 23187-8765
TELEPHONE: 1.757.253.3401
FAX: 1.757.253.3435

RESPONSIBLE LAND DISTURBER
CHARLES R. ORSBORNE, LAND SURVEYOR (LIC. NO. 1381), LANDMARK DESIGN GROUP, WILLIAMSBURG, VIRGINIA WILL SERVE AS RESPONSIBLE LAND DISTURBER FOR THE DURATION OF THE REVIEW PROCESS ONLY. THE OWNER WILL PROVIDE A QUALIFIED RLD UPON ISSUANCE OF A LAND DISTURBANCE PERMIT OR SITE APPROVAL, WHICH EVER COMES FIRST.

SHEET INDEX

COVER SHEET	
C-1	EXISTING CONDITIONS & DEMOLITION PLAN
C-2	SITE PLAN
C-3	SITE DETAILS
C-4	OVERALL ENVIRONMENTAL INVENTORY
C-5	ENVIRONMENTAL INVENTORY - RPA
L-1	PLANTING PLAN AND SCHEDULE
L-2	PLANTING NOTES AND DETAILS

AMENDMENT TO JCC CASE # SP-151-06

THIS SITE PLAN AMENDMENT IS THE RELOCATION OF THE EXISTING STROLLER AND ECV RENTAL OPERATIONS TO THE ENTRANCE OF THE PARK FOR GUEST CONVENIENCE.

STORMWATER GENERAL PERMIT NOTES
THE CONTRACTOR SHALL ENSURE COMPLIANCE WITH THE REQUIREMENTS OF VR 680-14-19 - VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM (VPDES) GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITES, INCLUDING BUT NOT LIMITED TO THE FOLLOWING ITEMS:

IMPLEMENTATION, DOCUMENTATION, AND INSPECTIONS NECESSARY FOR COMPLIANCE WITH STORM WATER GENERAL PERMIT

1. IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN AS DEVELOPED FOR THE SITE AND IN ACCORDANCE WITH THE GENERAL PERMIT REQUIREMENTS WITH REGARD TO EROSION AND SEDIMENT CONTROL, POST-CONSTRUCTION STORM WATER MANAGEMENT, AND OTHER CONTROLS REGARDING SOLID MATERIALS, SEDIMENTS AND DUST, AND THE DEMONSTRATED COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

2. RETENTION OF THE STORM WATER POLLUTION PREVENTION PLAN AT THE CONSTRUCTION SITE. THE PLAN AND OTHER RELATED DOCUMENTS SHALL BE MADE AVAILABLE UPON REQUEST TO AUTHORIZED LOCAL, STATE, OR FEDERAL REPRESENTATIVES.

3. AMENDMENT OF THE STORM WATER POLLUTION PREVENTION PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO THE SURFACE WATERS OF THE STATE, OR IF THE STORM WATER POLLUTION PREVENTION PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM THE CONSTRUCTION ACTIVITY.

4. DOCUMENTATION OF THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE IMPLEMENTED.

5. INSPECTIONS OF DISTURBED AREAS OF THE CONSTRUCTION SITE AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT PRODUCES SURFACE RUNOFF AS REQUIRED BY THE GENERAL PERMIT REGULATIONS. REPORTS SUMMARIZING THE INSPECTIONS SHALL BE MADE IN ACCORDANCE TO THE REGULATIONS AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN.

6. ALL CONTRACTORS AND SUBCONTRACTORS SHALL SIGN A COPY OF THE CERTIFICATION STATEMENT AS DESCRIBED IN THE GENERAL PERMIT BEFORE CONDUCTING ANY PROFESSIONAL SERVICES AT THE SITE IDENTIFIED IN THE POLLUTION PREVENTION PLAN. ALL CERTIFICATIONS SHALL BE INCLUDED IN THE STORM WATER POLLUTION PREVENTION PLAN.

7. ALL DOCUMENTS, RECORDS, REPORTS, AND OTHER INFORMATION RELEVANT TO THE GENERAL PERMIT REGULATIONS SHALL BE GIVEN TO THE OWNER FOLLOWING FINAL STABILIZATION OF THE SITE.

8. WHERE THE SITE HAS BEEN FINALLY STABILIZED AND ALL STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED BY THE GENERAL PERMIT ARE ELIMINATED, A NOTICE OF TERMINATION SHALL BE PREPARED FOR THE OWNER TO SIGN AND SUBMIT TO THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY, WATER DIVISION.

9. THE STRUCTURAL STABILITY OF THE PERMITTED FACILITIES SHALL BE ENSURED.

PROHIBITION AND REPORTING OF RELEASES OF SUBSTANCES OTHER THAN STORM WATER

10. EXECUTION OF REPORTING REQUIREMENTS IN THE EVENT OF NONCOMPLIANCE OF THE GENERAL PERMIT OR IF ANY UNPERMITTED, UNUSUAL OR EXTRAORDINARY DISCHARGE ENTERS OR COULD BE EXPECTED TO ENTER SURFACE WATERS OF THE STATE.

11. PROHIBITION OF NON-STORMWATER DISCHARGES EXCEPT AS PROVIDED FOR IN THE GENERAL PERMIT. APPROPRIATE POLLUTION PREVENTION MEASURES FOR NON-STORM WATER COMPONENTS OF DISCHARGE SHALL BE IMPLEMENTED.

12. EXECUTION OF REPORTING REQUIREMENTS OF 40 CFR PART 117 (1992) AND 40 CFR PART 302 (1992). IN ADDITION, THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORM WATER DISCHARGE FROM THE CONSTRUCTION SITE SHALL BE PREVENTED OR MINIMIZED IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN.

13. PROHIBITION OF DISCHARGE OF HAZARDOUS SUBSTANCES, OIL, OR POLLUTANTS RESULTING FROM ON-SITE SPILLS OR RELEASES.

MANAGEMENT MEASURES AND RESPONSE TO UNINTENTIONAL RELEASES

14. ALL WASTE COLLECTING, CONTROL, TREATMENT, MANAGEMENT OF POLLUTANT ACTIVITIES AND DISPOSAL FACILITIES SHALL BE OPERATED IN A MANNER CONSISTENT WITH THE GENERAL PERMIT REGULATIONS.

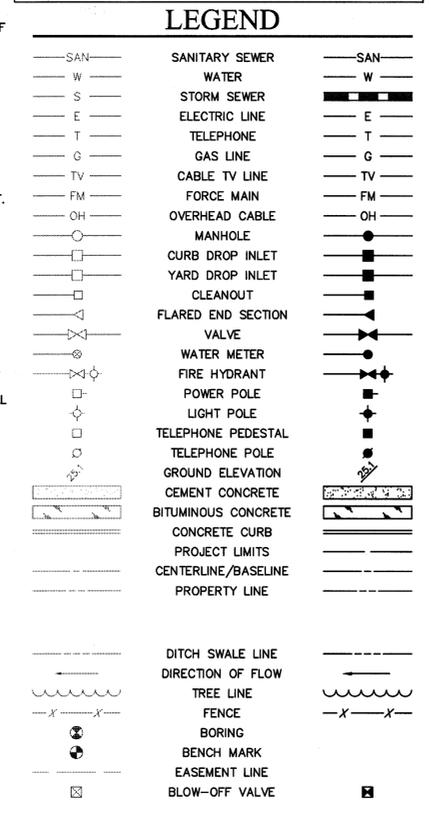
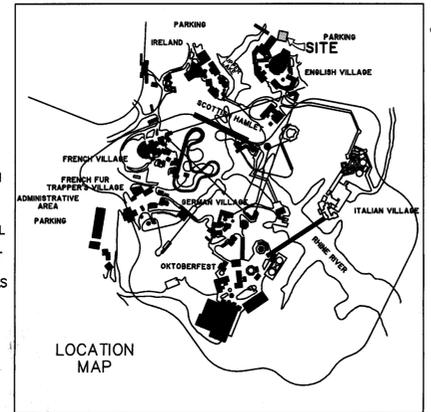
15. ALL FEASIBLE STEPS TO MINIMIZE ANY ADVERSE IMPACTS TO STATE WATERS RESULTING FROM NON-COMPLIANCE WITH CONDITIONS SPECIFIED IN THE GENERAL PERMIT SHALL BE TAKEN.

16. ALL REASONABLE STEPS TO MINIMIZE, CORRECT OR PREVENT ANY DISCHARGE IN VIOLATION OF THE GENERAL PERMIT WHICH HAS A REASONABLE LIKELIHOOD OF ADVERSELY AFFECTING HUMAN HEALTH OR THE ENVIRONMENT SHALL BE TAKEN.

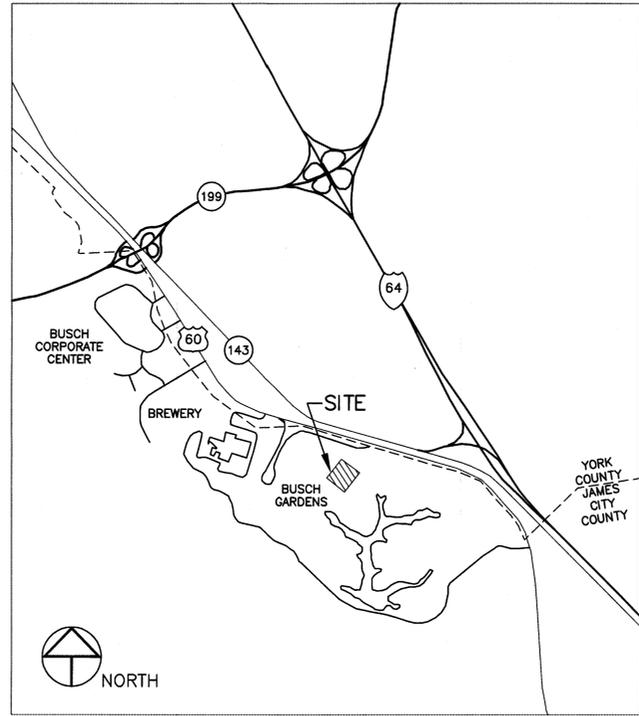
NOTES:
1. PRIVATELY OWNED UTILITIES (EG WATER AND SEWER LINES, PRIVATE FIRE SERVICE MAINS) SHOWN ON THIS PLAN ARE REGULATED BY THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE (USBC) AND ENFORCED BY THE JAMES CITY COUNTY CODES COMPLIANCE DIVISION. THESE PRIVATELY OWNED UTILITIES MUST COMPLY WITH THE INTERNATIONAL PLUMBING CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 24, THE VIRGINIA STATEWIDE FIRE PREVENTION CODE AND THE HAMPTON ROADS PLANNING DISTRICT COMMISSION (HRPDC) REGIONAL CONSTRUCTION STANDARDS 4TH EDITION. CONTRACTORS WORKING FROM THIS SITE PLAN ARE CAUTIONED NOT TO INSTALL OR CONCEAL PRIVATELY OWNED SITE UTILITIES WITHOUT FIRST OBTAINING THE REQUIRED PERMITS AND INSPECTIONS.

HRPDC DETAILS USED ON THIS PLAN:

- EW_01 PIPE BEDDING DETAIL
- SS_11 SANITARY SEWER LATERAL CLEAN OUT FRAME AND COVER
- SS_12 SANITARY SEWER LATERAL CLEANOUT FRAME AND COVER FOR HEAVY LOADS
- SS_14 SANITARY SEWER SERVICE CONNECTION
- WS_01 STANDARD VALVE BOX FRAME AND COVER
- WS_02 VALVE SETTING DETAIL



NOTE: SOME SYMBOLS SHOWN IN THIS LEGEND MAY NOT NECESSARILY BE USED FOR THIS PROJECT.



SCALE: 1"=2000'

REVISIONS
01/06/10 PER COUNTY COMMENTS



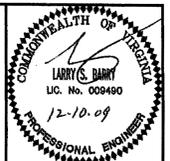
Engineers • Planners • Surveyors
Landscape Architects • Environmental Consultants

ONE COLUMBUS CENTER
SUITE 1100
VIRGINIA BEACH, VIRGINIA 23462
(757)253-2975 - VOICE
(757)229-0049 - FAX

Miss Utility of Virginia
1829 BLUE HILL CIRCLE
NE ROANOKE, VIRGINIA 24012



BEFORE YOU DIG ANYWHERE IN VIRGINIA CALL 811 (IN VIRGINIA) 1-800-552-7001 (OUTSIDE VIRGINIA)
VA LAW REQUIRES 3 WORKING DAYS NOTICE BEFORE YOU EXCAVATE.



One Columbus Center
Suite 1100
Richmond, VA 23242
Tel: (757) 473-2000
Fax: (757) 497-7833
Email: lrbann@landmark.com

LANDMARK DESIGN GROUP
Engineers • Planners • Surveyors
Landscape Architects • Environmental Scientists

DRAWING STATUS	
Interoffice Review	_____
Client for Review	_____
Pre Approved Bidding	_____
COUNTY APPROVAL	_____
1st Submitted	_____
2nd Submitted	_____
3rd Submitted	_____
Approved	_____

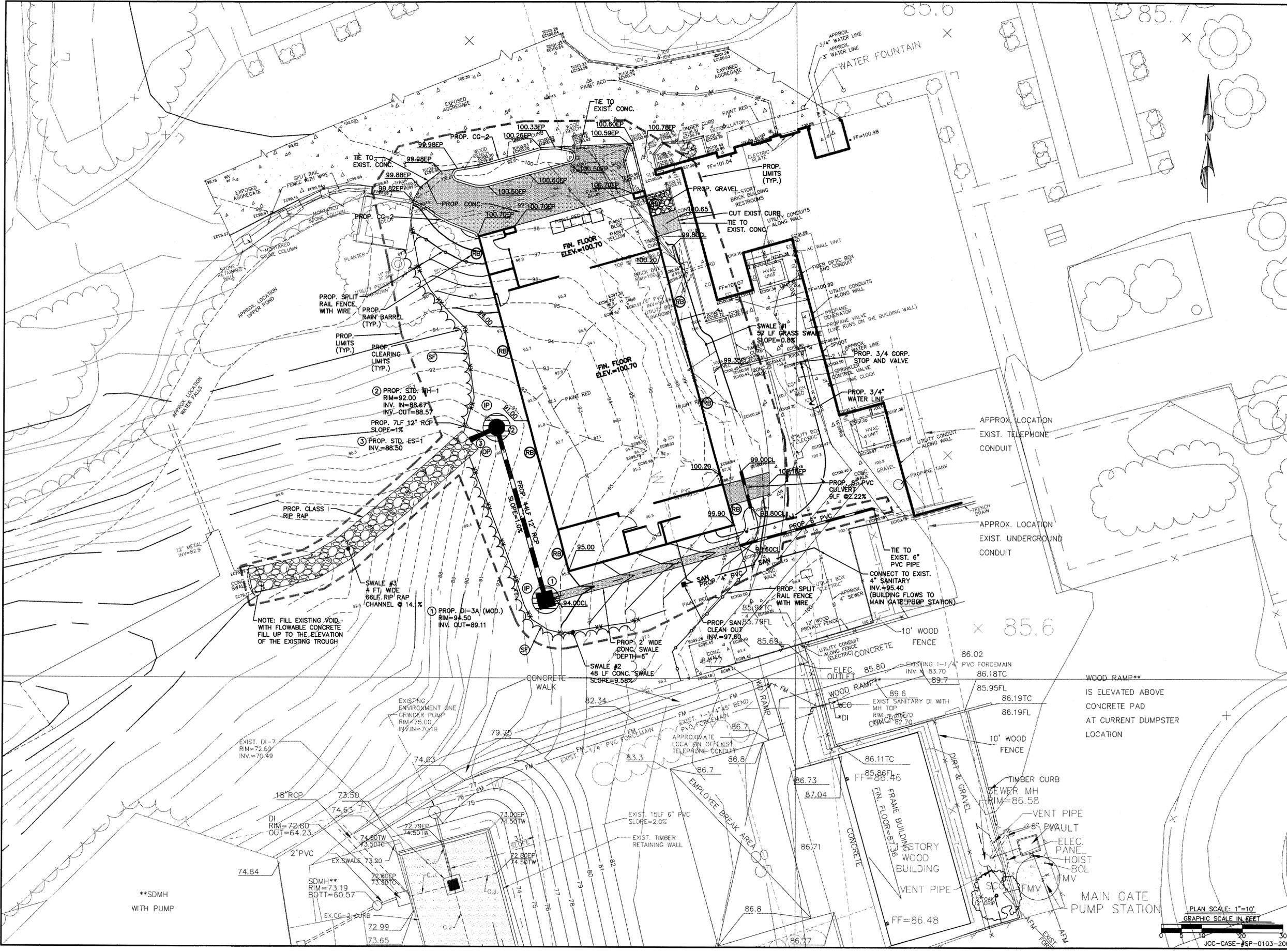
REVISIONS	
No.	Date
1	10/20/10
2	11/02/10
3	11/02/10
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6	11/02/10
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30	11/02/10

BUSCH GARDENS
WILLIAMSBURG, VA

SITE PLAN
STROLLER RENTAL RELOCATION
BUSCH GARDENS - WILLIAMSBURG
JAMES CITY COUNTY, VIRGINIA
FOR
BUSCH GARDENS

Designed: CRO Date: 12/10/09
Checked: LSB Scale: 1"=10'
File Mgr./Drawn: LMDG CADD File name: C-2.dwg
Project Number: 2007192-002.02 Dwg. File No.: 19203 W
Drawing Number: JCC-CASE-#SP-0103-2009

C-2





ECS MID-ATLANTIC, LLC

Field Compaction Summary, ASTM D-2922

Project No: 10576

Project Name: BG Stroller Rental Relocation Cmt

Date: 04/13/10

Client: Busch Entertainment Corp/
Anheuser-Busch

Contractor: Henderson, Inc.

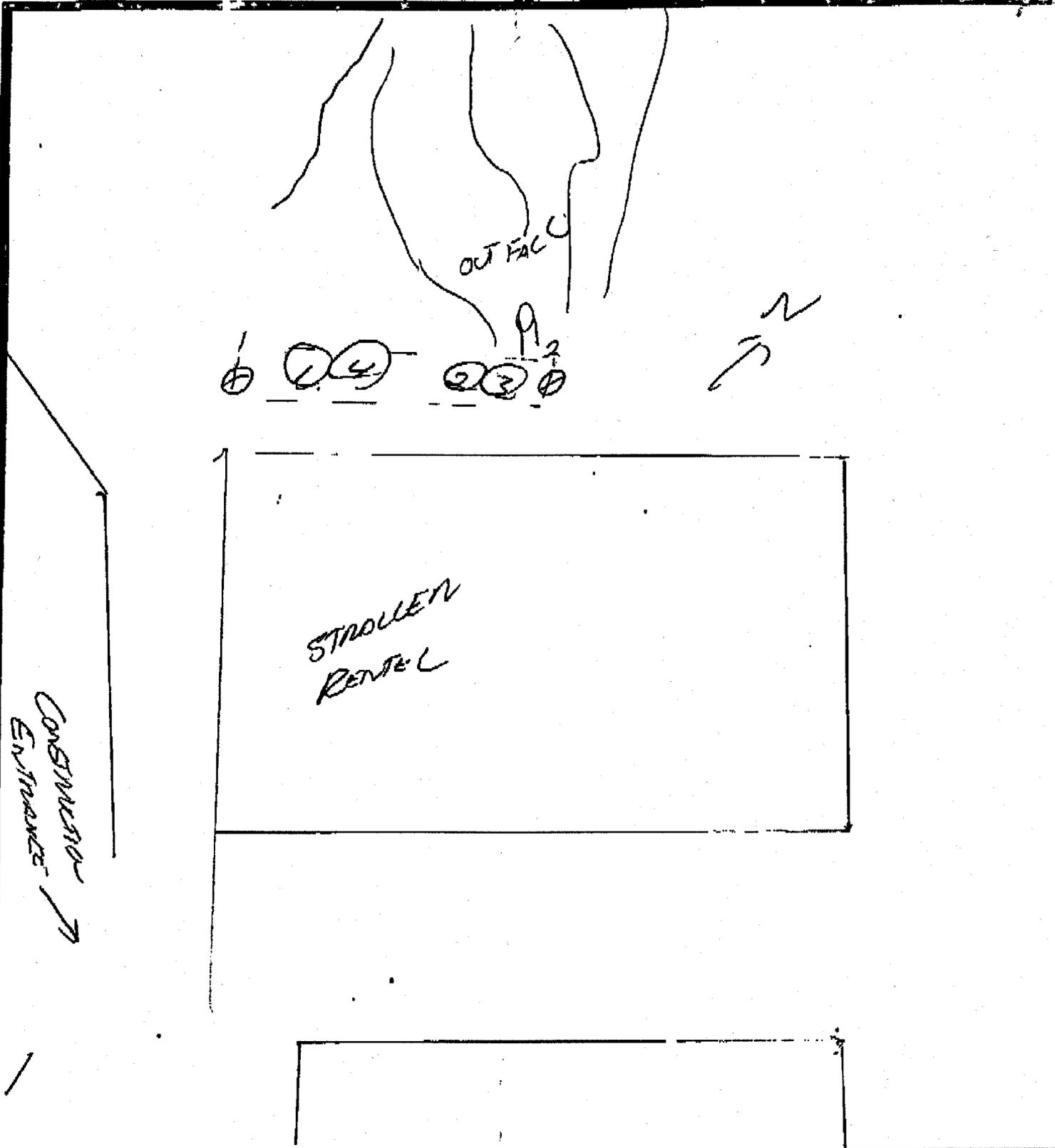
Technician: Edwin Padua Batalon

Test Method ASTM D-2922			
Nuclear Gauge No. 14			
Make	Troxler	Density Std	1205
Model	3440	Moisture Std	145
Ser. No.	19449		

Sample: **B-1/1pt** Description: **Fine-Medium Sandy CLAY Brown (CL)** Proctor Method: **Standard Proctor Method (ASTM D-698)** Uncorrected Max. Density: **109.60** Uncorrected Opt. MC: **16.40**

Test No.	Test Mode	Probe Depth	Station / Location	Lift / Elev	% Oversize	Corrected Maximum Dry Density (pcf)	Corrected Optimum Moisture Content (%)	Test Data				P / F	GPS Longitude GPS Latitude	Comments
								Wet Density (pcf)	Dry Density (pcf)	Moisture Content (%)	Percent Comp. (%)			
1	DT	6	Storm sewer 1 and outfall 2	L1	0.00	109.60	16.40	121.5	104.9	15.8	95.7	P	no GPS Lat no GPS Lat	
2	DT	6	Storm sewer 1 and outfall 2	L1	0.00	109.60	16.40	122.6	105.6	16.1	96.4	P	no GPS Lat no GPS Lat	
3	DT	6	Storm sewer 1 and outfall 2	L2	0.00	109.60	16.40	121.3	105.1	15.4	95.9	P	no GPS Lat no GPS Lat	
4	DT	6	Storm sewer 1 and outfall 2	L2	0.00	109.60	16.40	122.3	104.8	16.7	95.6	P	no GPS Lat no GPS Lat	

Test Mode: DT = Direct Transmission BS = Back Scatter



LOCATION: Stroller Rental

TECHNICIAN: E.B.

DATE: 4-13-10



SITE DRAWING

ECS PROJECT NAME: B+G

ECS PROJECT NO. 10576

WORK ORDER ID #: 50264



ECS Mid-Atlantic, LLC

108 Ingram Road
Suite 1
Williamsburg, VA 23188
(757) 229-6677

FIELD REPORT

Project **BG Stroller Rental Relocation Cmt**
Location **Williamsburg, VA**
Client **Busch Entertainment Corp - Suzanne Cheely**
Contractor **Henderson, Inc. - Mike Powell**

Project No. **07:10576**
Report No. **25**
Day & Date **Tuesday 04/13/2010**
Weather **80°/ Sunny**
On-Site Time **1.00**
Lab Time **0.50**
Travel Time* **1.00**
Total **2.50**
Re Obs.Time **0.00**

Remarks **compaction testing**

Trip Charges* Tolls/Parking* Mileage* **30** Time of Arrival Departure
Chargeable Items **01:15P 02:15P**

* Travel time and mileage will be billed in accordance with the contract.

Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

The undersigned senior engineering technician arrived on site, as requested, to observe the placement and compaction of soils for the storm drain line between MH#1 and MH#2 at the outfall structure. Please see the attached sketch.

The Nuclear Method (ASTM D-2922) was used to check the compaction of soils. Test results indicated that the compacted material, at the areas and elevations tested, met or exceeded the project requirements of 95 % of the maximum dry density as obtained in our laboratory by using the Standard Proctor Method (ASTM D-698).

By **Edwin Padua Batalon**

1700



ECS Mid-Atlantic, LLC

108 Ingram Road
Suite 1
Williamsburg, VA 23188
(757) 229-6677

LETTER OF TRANSMITTAL

April 14, 2010

Busch Entertainment Corp
One Busch Gardens Blvd
Williamsburg, VA 23187

ATTN: Ms. Suzanne Cheely

RE: **BG Stroller Rental Relocation Cmt**

ECS Job # **07:10576**

Permits:

Location: **One Busch Gardens Way
Williamsburg, VA**

We are enclosing:

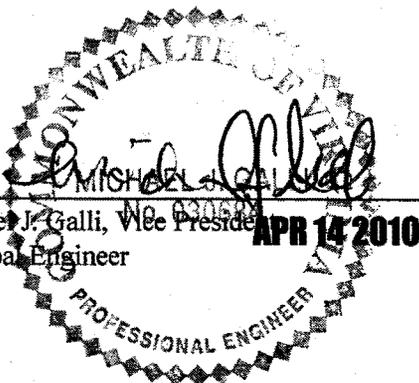
- Materials Engineering Division Reports
- For your use
- As requested

CC: **Henderson, Inc. - Mike Powell**
Henderson, Inc. - Leslie Shultz
James City County Compliance - Laura Kirkpatrick
Mckinney And Company - Nancy Walker

ENCL:

Field Report # 25 04/13/2010 compaction testing

 Michael J. Galli, Vice President
 Principal Engineer



 J. David Eakes
 James D. Eakes, E.I.T.
 Project Engineer



ECS Mid-Atlantic, LLC

108 Ingram Road
Suite 1
Williamsburg, VA 23188
(757) 229-6677

LETTER OF TRANSMITTAL

February 22, 2010

Busch Entertainment Corp
One Busch Gardens Blvd
Williamsburg, VA 23187

ATTN: Ms. Suzanne Cheely

RE: **BG Stroller Rental Relocation Cmt**

ECS Job # **07:10576**

Permits:

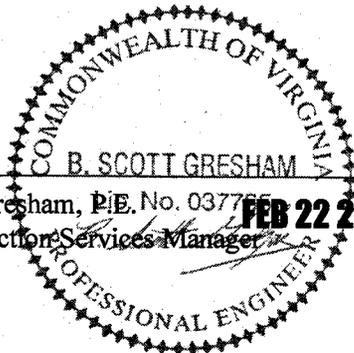
Location: **One Busch Gardens Way
Williamsburg, VA**

We are enclosing:

- Materials Engineering Division Reports
- For your use
- As requested

ENCL:

Field Report # 2	02/18/2010	precon meeting
Field Report # 3	02/19/2010	subgrades
Field Report # 4	02/20/2010	pipe installation



Scott Gresham, P.E. No. 037765
Construction Services Manager

James D. Eakes, E.I.T.
Project Engineer



STORMWATER FACILITIES

Data Sheet and Application for Certificate to Construct

Date of Application: January 5, 2010 JCC CASE: SP-0103-2009

I. GENERAL INFORMATION:

- a. Project Name: Busch Gardens – New Building for Stroller/ECV Rentals
- b. Project Address: _____
- c. Developer: _____
- d. Submitted By: _____
- e. Contact Person: _____
- f. Address: _____
- g. Phone: _____ Fax: _____ Email: _____
- h. Tax Map number(s) _____

II. STORMWATER CONVEYANCE SYSTEM

TYPE OF CONVEYANCE	LENGTH (FT)	FEE AMOUNT (\$0.90/LF)
STORM DRAIN	45	40.5
OPEN CHANNEL	45	40.5
TOTALS	90	81

III. BEST MANAGEMENT PRACTICE

COUNTY BMP TYPE	BMP DESCRIPTION	NUMBER of BMPs	FEE AMOUNT (\$900/BMP)
	NA		
TOTAL			

IV. TOTAL FEE: TABLE II: 81 + TABLE III: 0 = TOTAL FEE 81

Reviewed by: D Cook Inspection fee of: \$ _____ Paid on: _____
 Certificate issued on _____