

BRISTOL, VIRGINIA INTEGRATED SOLID WASTE MANAGEMENT FACILITY SOLID WASTE PERMIT #588

INTERIM EVOH COVER SYSTEM STORMWATER MANAGEMENT PLAN

BRISTOL, VIRGINIA



STORMWATER MANAGEMENT PLAN SHEETS

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PREPARED FOR:
CITY OF BRISTOL, VIRGINIA
300 LEE STREET
BRISTOL, VIRGINIA 24201

INTEGRATED SOLID WASTE MANAGEMENT FACILITY
2655 VALLEY DRIVE
BRISTOL, VIRGINIA 24201

SCS ENGINEERS
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SCS PROJECT NO. 021180W 18

APRIL 28, 2023

PERMIT
DRAWINGS
DATE: 04/26/23



NO.	REVISION	DATE

SHEET TITLE
COVER SHEET

PROJECT TITLE
SWP#588 INTERIM EVOH COVER SYSTEM
STORMWATER MANAGEMENT PLAN

CLIENT
CITY OF BRISTOL INTEGRATED SOLID
WASTE MANAGEMENT FACILITY
2655 VALLEY DRIVE
BRISTOL, VA 24201

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DATE P.L.C.
02/18/2023

DATE
4/28/23

SCALE
AS SHOWN

DRAWING NO.
1

SHEET NO.
1

SCS ENGINEERS
STEARNES, CONRAD AND SCHMIDT
14211 EIGHTH STREET, SUITE 200
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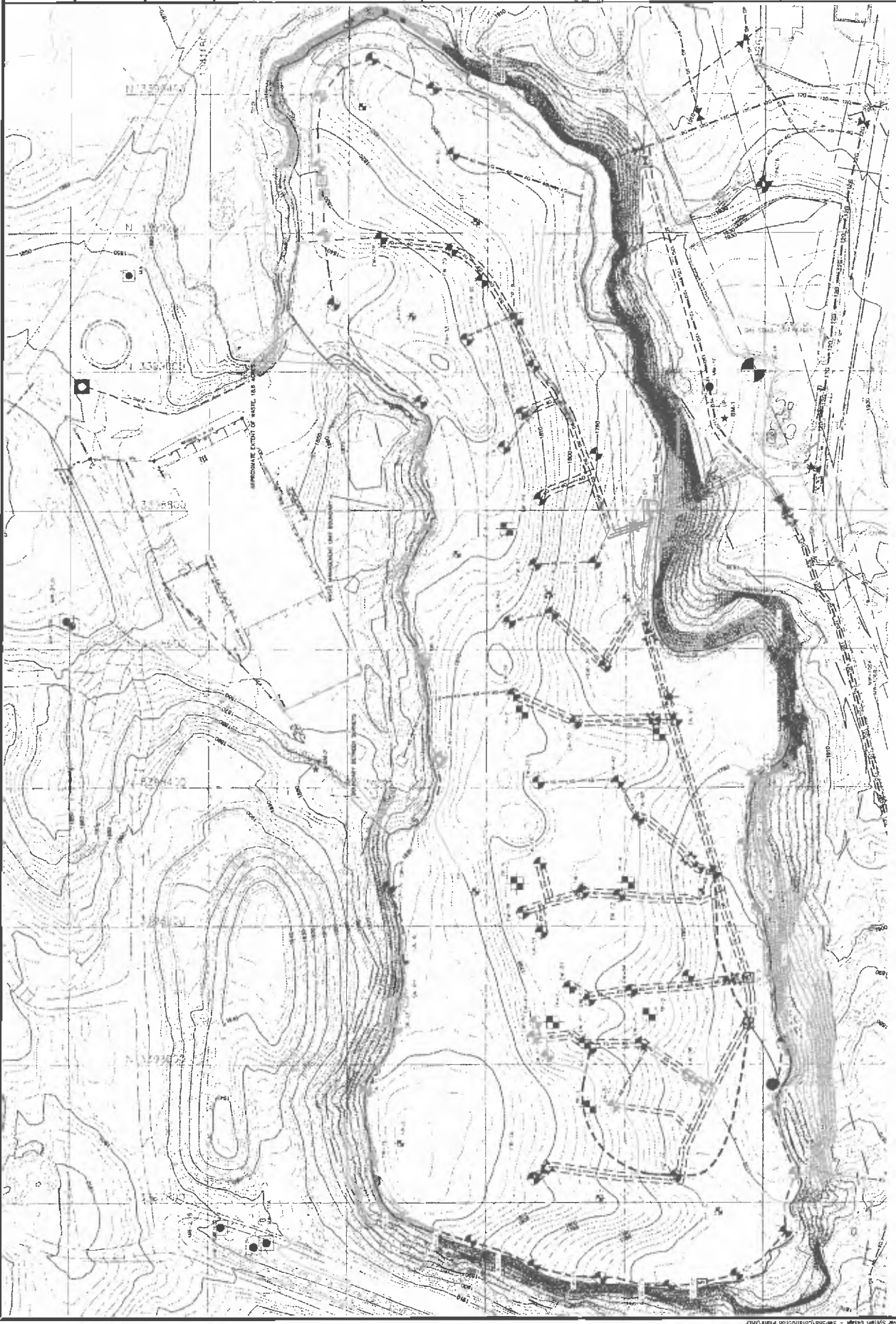
CITY OF BRISTOL INTEGRATED SOLID
WASTE MANAGEMENT FACILITY
2655 VALLEY DRIVE
BRISTOL, VA 24201

EXISTING CONDITIONS
PROJECT TITLE
SHP#568 INTERIM EVOH COVER SYSTEM
STORMWATER MANAGEMENT PLAN

NO.	REVISION	DATE

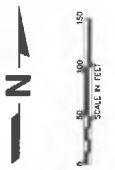


PERMIT
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NOT FOR CONSTRUCTION
UNTIL APPROVED BY
THE AGENCIES



GENERAL NOTE

1. OUTSIDE OF THE QUARRY FOOTPRINT, GRADES SHOWN AS DASHED HALF-TONE CONTOUR LINES REPRESENT THE TOPOGRAPHY DEVELOPED FROM AERIAL PHOTOGRAPHY PROVIDED BY FWS REGIONAL OFFICE (PROJECT NO. 2021-0001) DATED AUGUST 7, 2021. WITHIN THE QUARRY, THE GRADES ARE BASED UPON AN SCS GROUND CONTROL DATUM DATED MARCH 9, 2023.
2. PER A USDA SOIL REPORT OBTAINED ON JANUARY 26, 2023, THE QUARRY AND ITS IMMEDIATE SURROUNDINGS ARE CLASSIFIED AS UOORTENTIS.



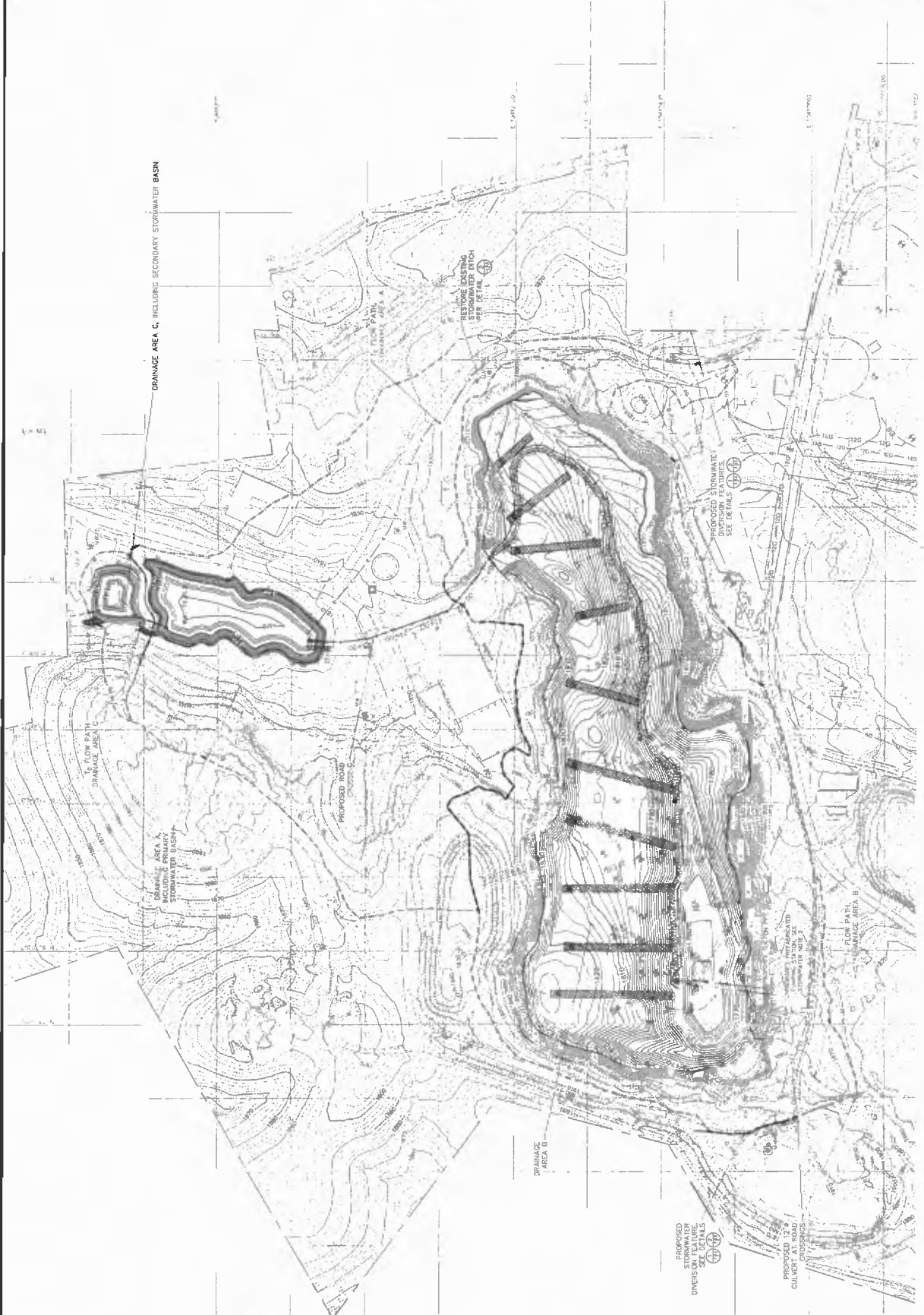


- STORMWATER NOTES**
1. ADDITIONAL STORMWATER RESERVATION AND CALCULATIONS ARE SHOWN ON SHEETS 12-20, INCLUDING ACCEPTED CURVE NUMBER AND TIME OF CONCENTRATION CALCULATIONS.
 2. HYDROGRAPHS AND STORMWATER BASIN INFORMATION IS AVAILABLE FREQUENTLY AS THE PUMPING SYSTEM IS DESIGNED TO OPERATE AT 1100 GALLONS PER MINUTE. SEE PUMPING DETAILS ON SHEET 14.
 3. ANALYSIS PER SW622-870-66.3 FOR CHANNEL PROTECTION IS BASED ON THE FORESTED CONDITION.
 4. COMPLIANCE WITH SW622-870-66 FOR FLOOD PROTECTION IS ACHIEVED PER SW622-870-66.C.2.A.

POST-DEVELOPMENT DRAINAGE AREA CHARACTERISTICS (1-YEAR STORM OR 45 SHOW)

DRAINAGE AREA	DESCRIPTION	AREA (AC)	SI (MI ²)	RUNOFF (IN)	BLUOFF (ACFT)	OUTLET DESCRIPTION	PEAK DISCHARGE 1-YEAR STORM (CFS)	PEAK DISCHARGE 2-YEAR STORM (CFS)	PEAK DISCHARGE 10-YEAR STORM (CFS)
A	RUNOFF INTO QUARRY ROAD	22.67	0.70	1.33	1.33	PROPOSED MULTISTAGE RISER	0.42	0.47	0.56
B	RUNOFF INTO QUARRY ROAD	33.92	0.72	1.34	3.78	PUMP DISCHARGE INTO PRIMARY BASIN	2.45	2.45	2.45
C	RUNOFF INTO SECONDARY POND	119	0.69	0.07	0.07	PROPOSED MULTISTAGE RISER	0.24	0.24	0.24

- GENERAL NOTES**
1. AROUND THE QUARRY FLOOR, THE FULL-TONE CONTOURS SHOW THE PROPOSED MEMBRANE DEPLOYMENT GRADE.
 2. OUTSIDE OF THE QUARRY, THE HALF-TONE CONTOURS SHOW EXISTING TOPOGRAPHY BASED ON AN AERIAL SURVEY PERFORMED BY WVS GEOGRAPHICAL DURING OCTOBER 2022.
 3. EXISTING CONTOURS AND ELEVATIONS FOR BASE MAPS 11 ELEVATIONS ARE BASED ON A CITY OF BRISTOL SURVEY COMPLETED ON APRIL 12, 2023.
 4. THE PROPOSED PRIMARY AND SECONDARY BASIN CONTOURS ARE SHOWN AT 1:1 INTERVAL.



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PROJECT NO. 02219208.05
 DATE 02/28/2023
 SHEET NO. 15 OF 23
 DRAWING NO.

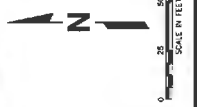
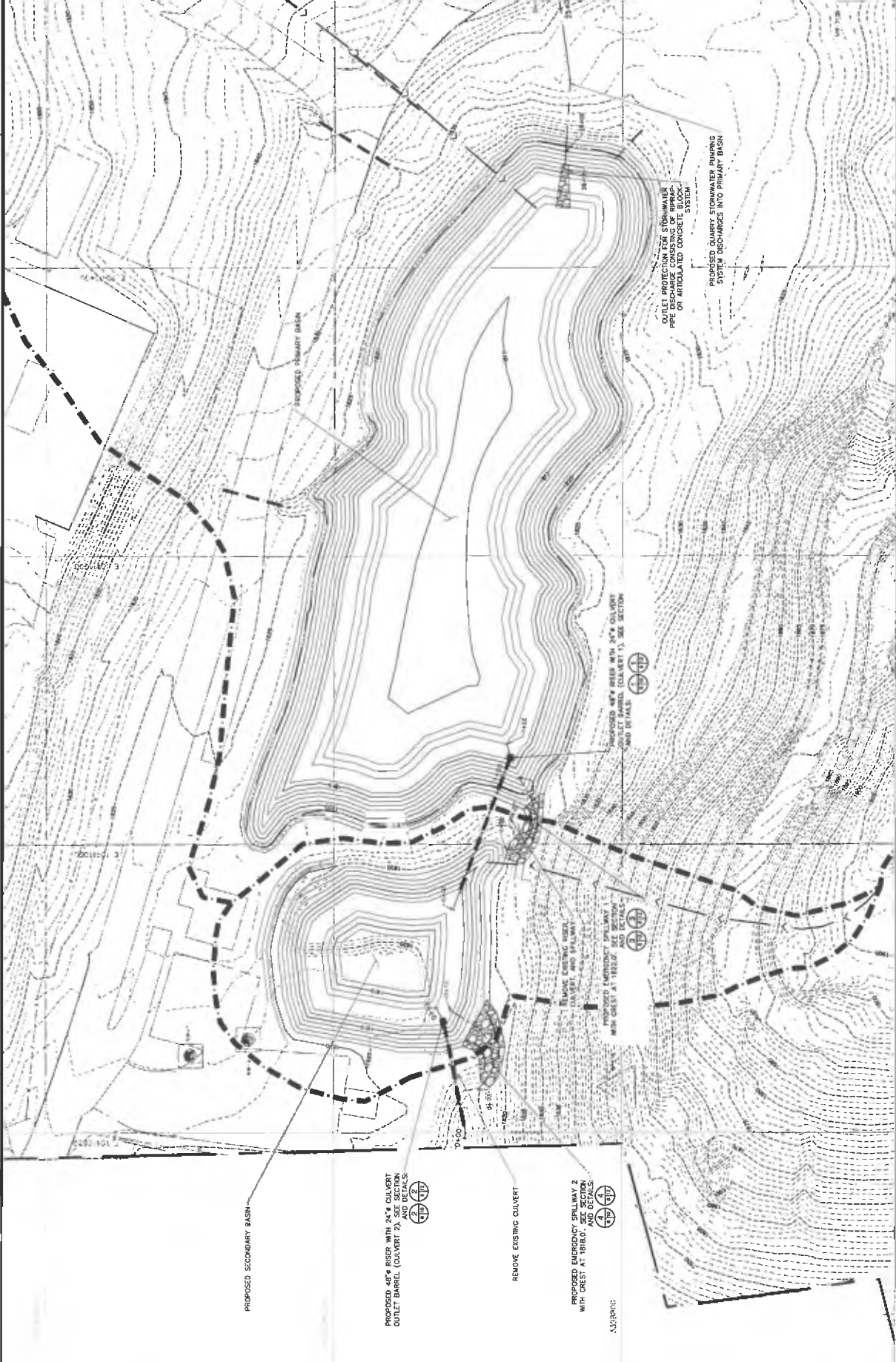
CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY
 2655 VALLEY DRIVE
 BRISTOL, VA 24201

PROPOSED STORMWATER BASINS
 PROJECT FILE: SWP#588 INTERIM EVOH COVER SYSTEM
 STORMWATER MANAGEMENT PLAN

NO.	REVISION	DATE



PERMIT
 CITY OF BRISTOL
 DATE 04/28/2023



GENERAL NOTES

1. THE EXISTING GRADE AND PROPOSED BASIN GRADES ARE SHOWN USING 1' CONTOUR INTERVALS.
2. OUTSIDE OF THE QUARRY, THE HALF-TONE-CONTOURS SHOW EXISTING TOPOGRAPHY BASED ON AN AERIAL SURVEY PERFORMED BY AVE COSPITAL, DURING OCTOBER 2022.
3. UNLESS INDICATED OTHERWISE, EXISTING STORMWATER FEATURE INVERT ELEVATIONS ARE BASED ON A CITY OF BRISTOL SURVEY COMPLETED ON APRIL 12, 2022.

- EXPLANATION OF SYMBOLS**
1. ADDITIONAL STORMWATER INFORMATION AND CALCULATIONS ARE SHOWN ON SHEETS 15-20, INCLUDING WEIGHTED DRAIN NUMBER AND TIME OF CONCENTRATION CALCULATIONS, RUNOFF HYDROGRAPHS, TIDING HYDROGRAPHS, AND STORMWATER BASIN INFORMATION.

PROPOSED 2-BAY STORMWATER DIVULGING SYSTEM DISCHARGES INTO PRIMARY BASIN

PROPOSED 48" RISER WITH 24" CULVERT OUTLET BARREL (CULVERT 2), SEE SECTION AND DETAILS

REMOVE EXISTING RISER, CULVERT, AND SPILLWAY WITH GUEST AT 1816.0' SEE SECTION AND DETAILS

PROPOSED EMERGENCY SPILLWAY 2 WITH GUEST AT 1816.0' SEE SECTION AND DETAILS

REMOVE EXISTING CULVERT

PROPOSED 48" RISER WITH 24" CULVERT OUTLET BARREL (CULVERT 2), SEE SECTION AND DETAILS

PROPOSED SECONDARY BASIN

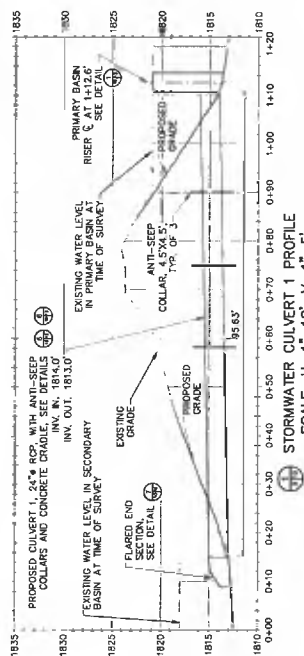


NO.	REVISION	DATE

PROJECT FILE: SW#2888 INFILTRATION COVER SYSTEM
STORMWATER MANAGEMENT PLAN

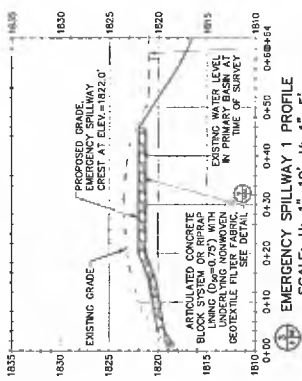
CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY
BRISTOL, VA 24201

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STORMWATER CULVERT 1 PROFILE
SCALE: H: 1"=10', V: 1"=5'
INDICATED SCALE MAY VARY DEPENDING ON PLOT SIZE

NOTE: AS AN ALTERNATIVE TO ANTI-SEEP COLLARS, A CUT-OFF BENCH, SEEPAGE DIAPHRAGM, DE DRAIN, AND/OR DRAINAGE BLANKET MAY BE USED



STORMWATER CULVERT 2 PROFILE
SCALE: H: 1"=10', V: 1"=5'
INDICATED SCALE MAY VARY DEPENDING ON PLOT SIZE

NOTE: AS AN ALTERNATIVE TO ANTI-SEEP COLLARS, A CUT-OFF BENCH, SEEPAGE DIAPHRAGM, DE DRAIN, AND/OR DRAINAGE BLANKET MAY BE USED

TABLE 3.19-D
REQUIREMENTS FOR FILTER FABRIC USED WITH RIPRAP

Physical Property	Test Method	Requirements
Equivalent Opening Size	Corps of Engineers CMO 2215-77	Equal or greater than U.S. No. 50 sieve
Tensile Strength* @ 20% (minimum)	VTM-52	30 lbs./linear m (minimum)
Puncture Strength	ASTM D751*	80 lbs. (minimum)

* Tension testing machine with ring clamp, steel ball replaced with 5/16 diameter solid steel cylinder with hemispherical tip centered within the ring clamp. Seams shall be equal in strength to basic material. Additional fabric material or non-corrosive steel wire may be incorporated into the fabric to increase overall strength.

Source: VDOT Road and Bridge Specifications

NONWOVEN GEOTEXTILE FOR EMERGENCY SPILLWAYS



PERMIT DRAWINGS
DATE 01/28/2015

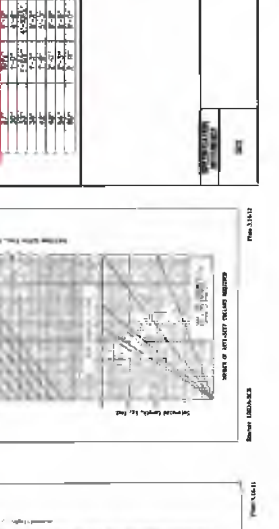
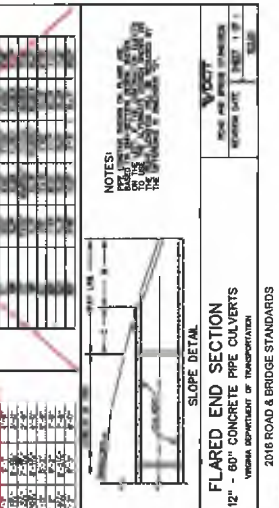
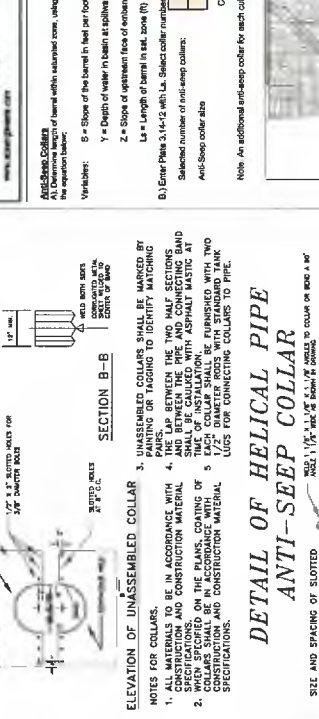
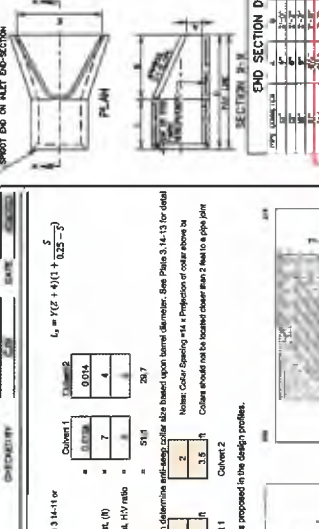
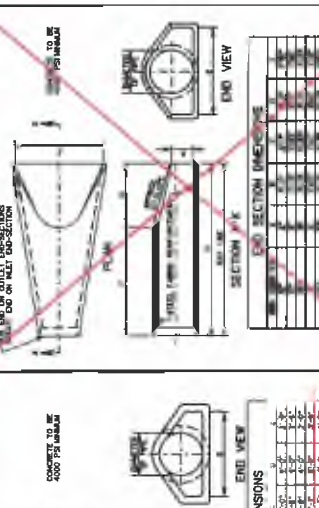
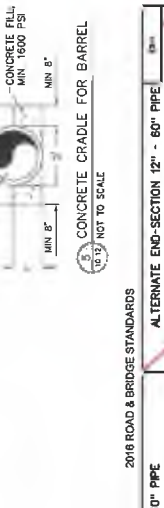
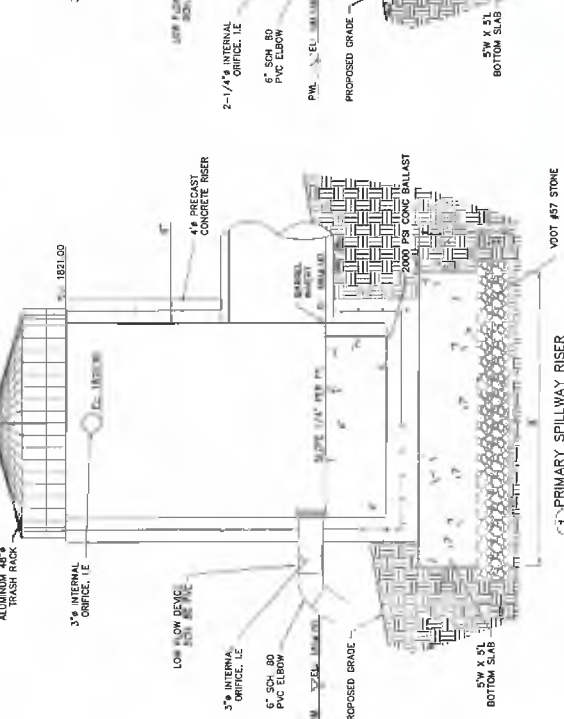
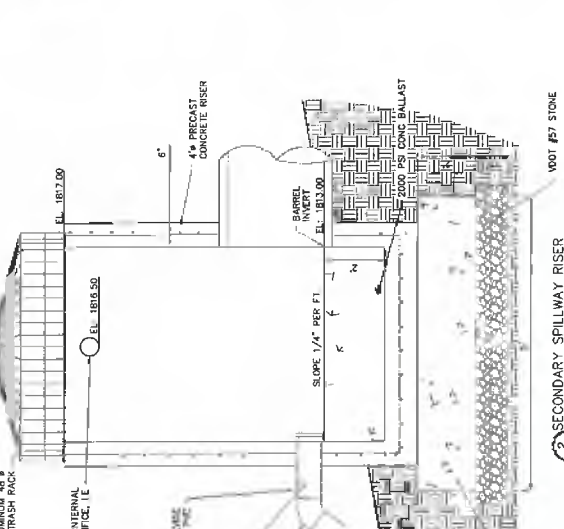
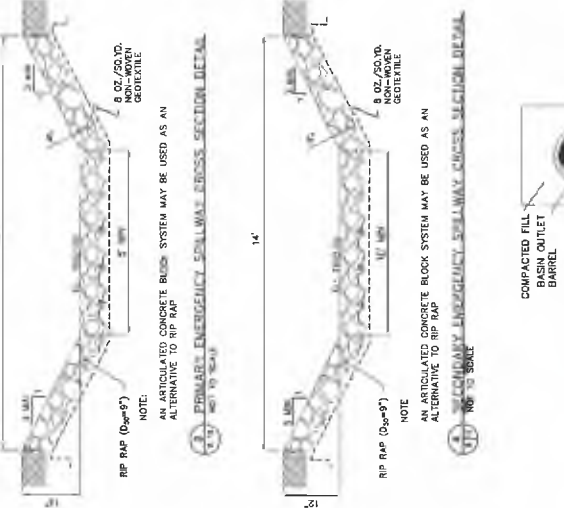


DATE: _____
REVISION: _____
NO. _____

PROJECT TITLE:
STORMWATER MANAGEMENT PLAN
SWM#568 INTERIM EYOH COVER SYSTEM

CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY
BRISTOL, VA 24201
PROJECT NO. 15-001

SCS ENGINEERS
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DATE: 02/21/2015
SCALE: AS SHOWN
DRAWING NO.



DETAILS OF CORRUGATED METAL ANTI-SEEP COLLAR

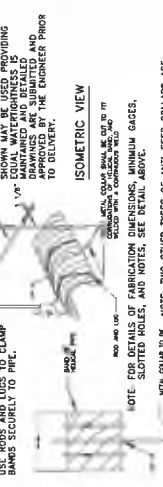


ELEVATION OF UNASSEMBLED COLLAR

NOTES FOR COLLARS:

- ALL MATERIALS TO BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AISC STEEL CONSTRUCTION SPECIFICATIONS.
- WHEN SPECIFIED ON THE PLANS, COATING OF THE COLLAR SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AISC STEEL CONSTRUCTION SPECIFICATIONS.
- UNASSEMBLED COLLARS SHALL BE MARKED BY PAINTING OR TAGGING TO IDENTIFY MATCHING.
- THE LAP BETWEEN THE TWO HALF SECTIONS SHALL BE CALLED WITH ASPHALT MASTIC AND SHALL BE CALLED WITH ASPHALT MASTIC.
- WHEN SPECIFIED ON THE PLANS, COLLARS SHALL BE FURNISHED WITH TWO 1/2" DIAMETER HOLES WITH STANDARD TANK LUGS FOR CONNECTING COLLARS TO PIPE.

DETAIL OF HELICAL PIPE ANTI-SEEP COLLAR



ISOMETRIC VIEW

NOTE FOR BANDS AND COLLARS: CORRUGATED METAL SHALL BE USED TO CLAMP BANDS TO COLLAR. USE RODS AND LUGS TO CLAMP BANDS SECURELY TO PIPE.

NOTE FOR DETAILS OF FABRICATION DIMENSIONS, MINIMUM GAGES, SLOTTED HOLES, AND NOTES, SEE DETAIL ABOVE.

NOTE: TWO OTHER TYPES OF ANTI-SEEP COLLARS ARE: 1. CORRUGATED METAL SIMILAR TO UPPER, EXCEPT SHOP WELDED TO A SHORT (LEFT) SECTION OF THE PIPE AND 2. CONCRETE, 5/8" INCHES THICK CORNERED AROUND THE PIPE WITH #5 REBAR SPACED 15" HORIZONTALLY AND VERTICALLY.

PARTIAL ELEVATION

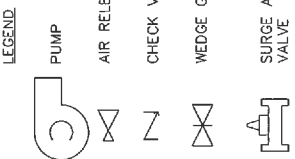
NOTE:
AN ARTICULATED CONCRETE BLOCK SYSTEM MAY BE USED AS AN ALTERNATIVE TO RIP RAP

6" Ø (60") NON-WOVEN GEOTEXTILE

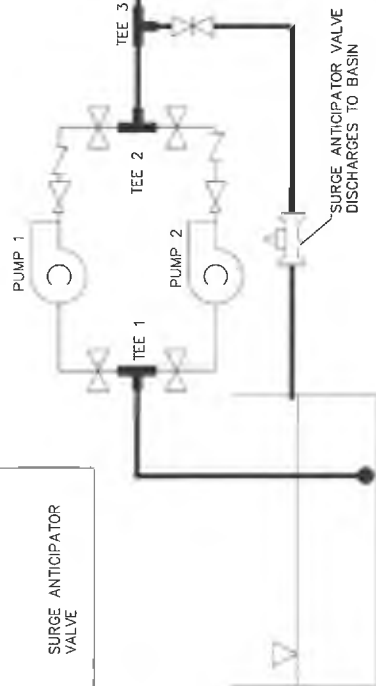
14'

6" Ø (60") NON-WOVEN GEOTEXTILE

NOTE:
AN ARTICULATED CONCRETE BLOCK SYSTEM MAY BE USED AS AN ALTERNATIVE TO RIP RAP



APPROXIMATE PUMP INLET
ELEVATION=1771'



STORMWATER BASIN
HIGH WATER = 1769'
LOW WATER = 1760'

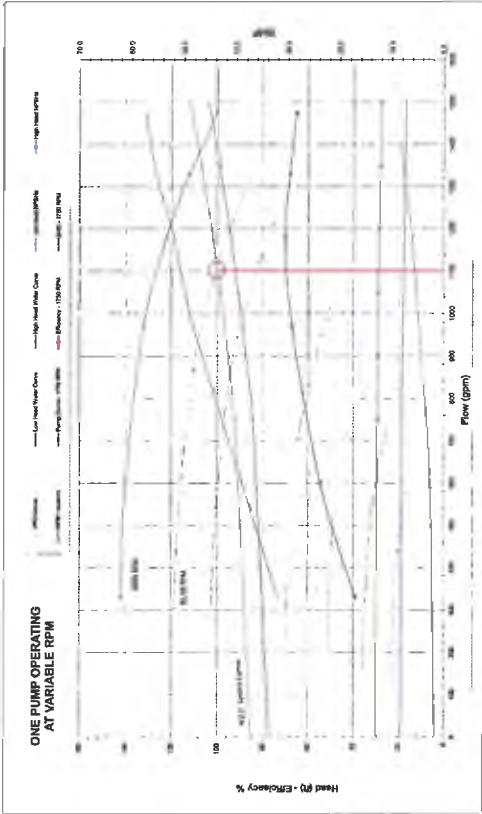
- NOTES
1. THIS DIAGRAM INDICATES THE RELATIVE POSITIONING OF VALVES AND FITTINGS FOR CLARITY. ALL PUMPING SYSTEM FEATURES ARE NOT SHOWN.
 2. THE PUMPING SYSTEM IS INTENDED TO BE OPERATED USING ONE PUMP AT A TIME AN ALTERNATING SCHEDULE WILL BE USED AS APPROPRIATE.
 3. MOTOR ACTUATED OR HYDRAULICALLY OPERATED CHECK VALVES WILL BE USED TO PREVENT SUDDEN OPENING AND CLOSING.
 4. A SURGE ANTICIPATOR VALVE WILL BE INSTALLED ALONG THE DISCHARGE PIPE.
 5. THE PUMPING SYSTEM SHALL BE EQUIPPED WITH A VARIABLE FREQUENCY DRIVE.
 6. THE PUMPING SYSTEM SHALL BE EQUIPPED WITH A VARIABLE FREQUENCY DRIVE.

NOT TO SCALE

AIR RELEASE VALVE AT HIGH POINT
Z=1846'

DISCHARGE Z=1825'

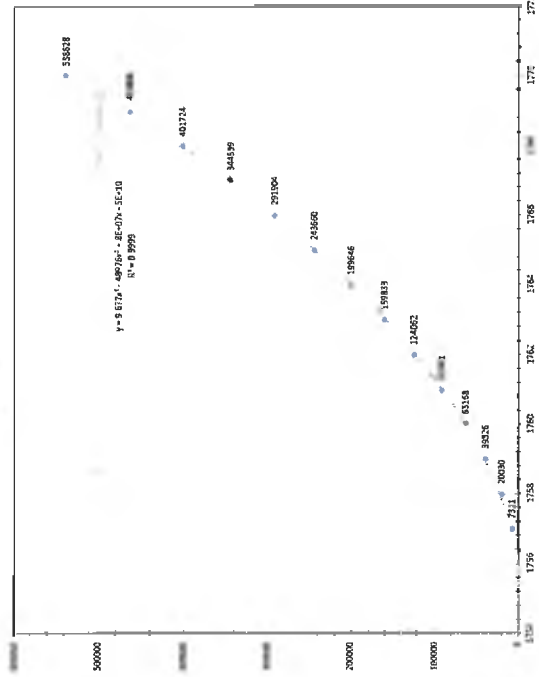
STORMWATER POND



- NOTES
1. THE PUMP CURVE IS BASED UPON A CORMAN-RUPP MODEL LFB-B PUMP. THE OWNER MAY WISH TO OBTAIN A PUMP WITH BETTER EFFICIENCY. THE EFFICIENCY OF THE PUMP IS DEMONSTRATED.

NOT TO SCALE

Quarry Basin - Elevation vs Storage (Cubic Feet)



PERMIT
DRAWINGS
DATE: 04/28/23



NO.	REVISION	DATE

PROJECT TITLE: PUMPING SYSTEM SCHEMATIC
DETAILS &
STORMWATER MANAGEMENT PLAN
SMP#588 INTERIM EYOH COVER SYSTEM

CLIENT: CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY
3055 VALLEY DRIVE
BRISTOL, VA 24201

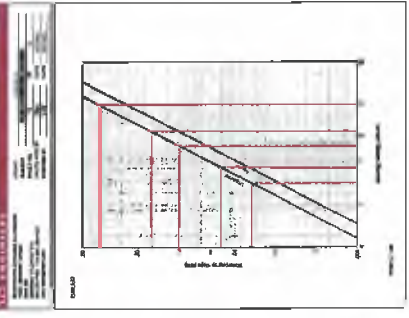
DATE: 04/28/23
DRAWING NO.: 3 QUARRY BASIN STAGE STORAGE
SCALE: AS SHOWN

NEW CONCRETE

NO.	DESCRIPTION	AREA (SQ. FT.)	THICKNESS (IN.)	CONCRETE CLASS.	FORMWORK (SQ. FT.)	FORMWORK (HOURS)	REINFORCING (LBS.)	PAINT (GAL.)	FINISH (SQ. FT.)	EST. COST (\$)
1	CONCRETE	100	4	3000	200	100	1000	10	100	1000
2	FORMWORK	200								2000
3	REINFORCING	1000								10000
4	PAINT	100								1000
5	FINISH	100								1000
TOTAL										13000

NEW CONCRETE

NO.	DESCRIPTION	AREA (SQ. FT.)	THICKNESS (IN.)	CONCRETE CLASS.	FORMWORK (SQ. FT.)	FORMWORK (HOURS)	REINFORCING (LBS.)	PAINT (GAL.)	FINISH (SQ. FT.)	EST. COST (\$)
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2	FORMWORK	200								2000
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5	FINISH	100								1000
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5	FINISH	100								1000
TOTAL										13000

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TOTAL										13000

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5	FINISH	100								1000
TOTAL										13000

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2	FORMWORK	200								2000
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TOTAL										13000

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TOTAL										13000

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TOTAL										13000

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TOTAL										13000

NEW CONCRETE

NO.	DESCRIPTION	AREA (SQ. FT.)	THICKNESS (IN.)	CONCRETE CLASS.	FORMWORK (SQ. FT.)	FORMWORK (HOURS)	REINFORCING (LBS.)	PAINT (GAL.)	FINISH (SQ. FT.)	EST. COST (\$)
1	CONCRETE	100	4	3000	200	100	1000	10	100	1000
2	FORMWORK	200								2000
3	REINFORCING	1000								10000
4	PAINT	100								1000
5	FINISH	100								1000
TOTAL										13000

NEW CONCRETE

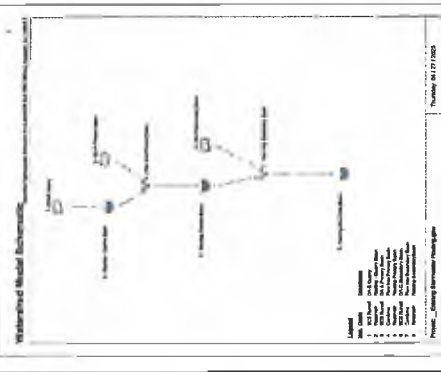
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TOTAL										13000

NEW CONCRETE

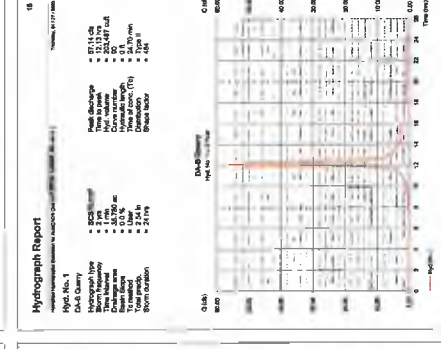
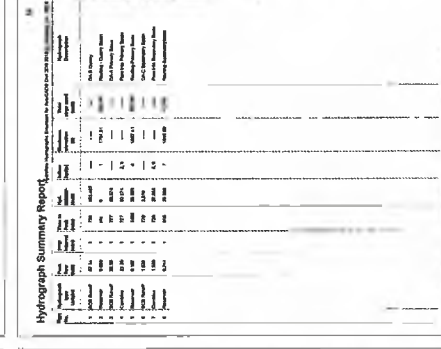
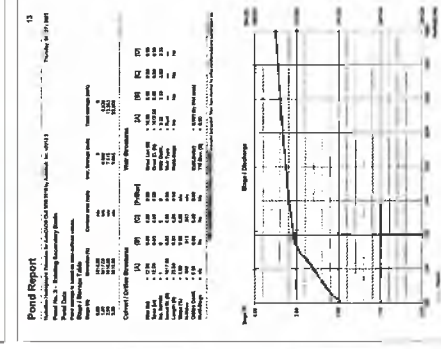
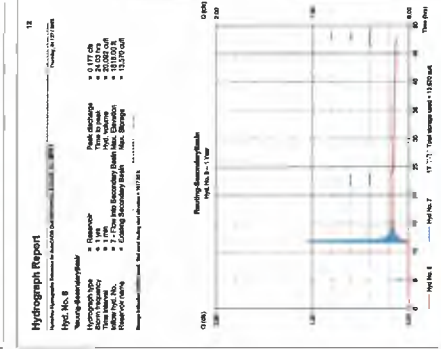
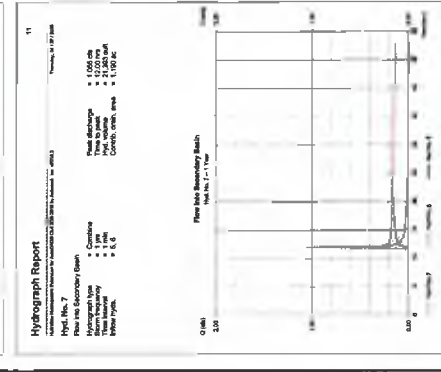
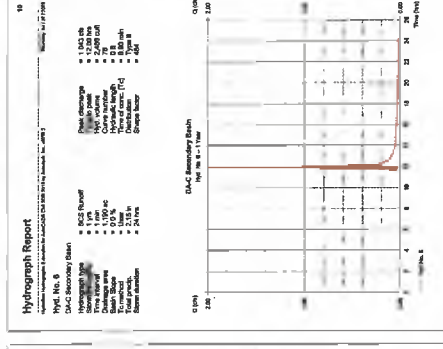
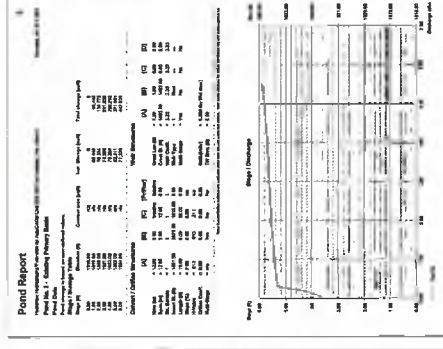
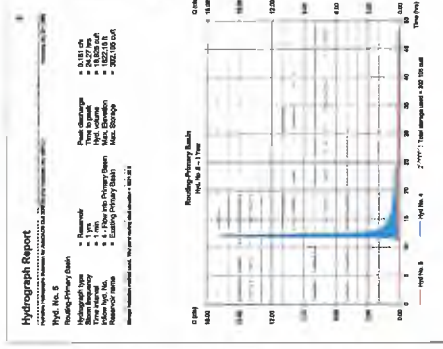
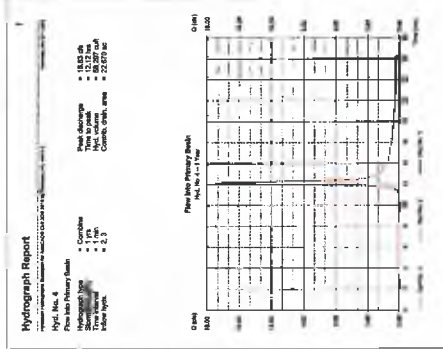
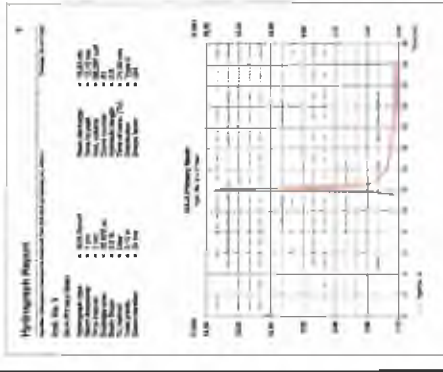
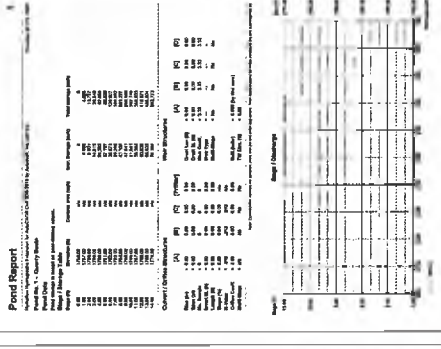
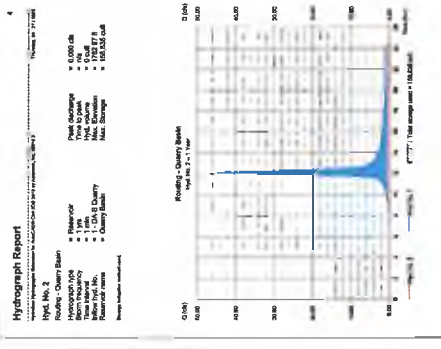
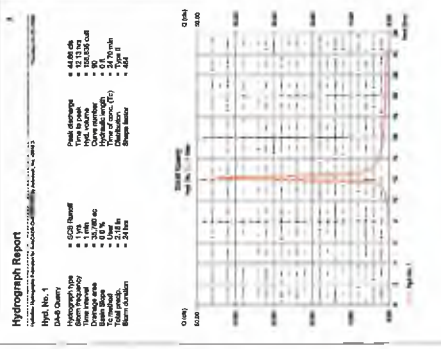
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1	CONCRETE	100	4	3000	200	100	1000	10	100	1000
2	FORMWORK	200								2000
3	REINFORCING	1000								10000
4	PAINT	100								1000
5	FINISH	100								1000
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NEW CONCRETE

NO.	DESCRIPTION	AREA (SQ. FT.)	THICKNESS (IN.)	CONCRETE CLASS.	FORMWORK (SQ. FT.)	FORMWORK (HOURS)	REINFORCING (LBS.)	PAINT (GAL.)	FINISH (SQ. FT.)	EST. COST (\$)
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2	FORMWORK	200								2000
3	REINFORCING	1000								10000
4	PAINT	100								1000
5	FINISH	100								1000
TOTAL										13000



Hydrograph Summary Report table with columns for Basin, Peak Discharge, Time to Peak, etc.



Hydrograph Summary Report table with columns for Basin, Peak Discharge, Time to Peak, etc.

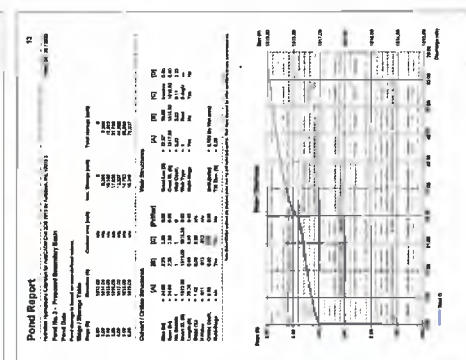
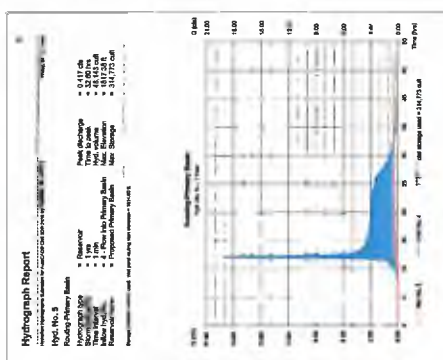
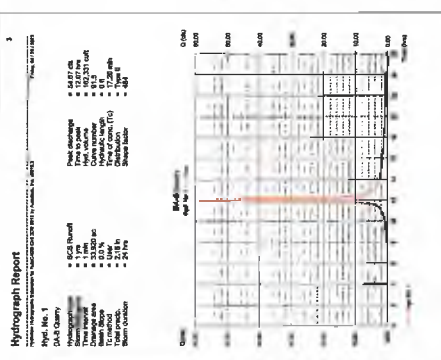


NO.	REVISION	DATE

PROJECT FILE: STORMWATER CALCULATIONS & STORMWATER MANAGEMENT PLAN
 CLIENT: CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY
 2658 VALLEY DRIVE
 BRISTOL, VA 24201

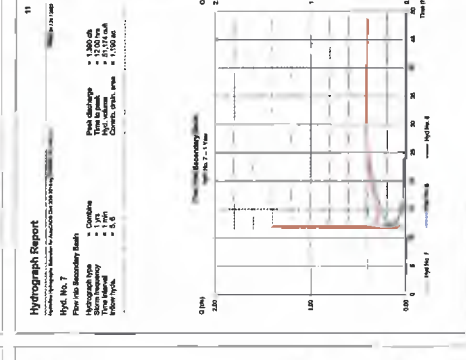
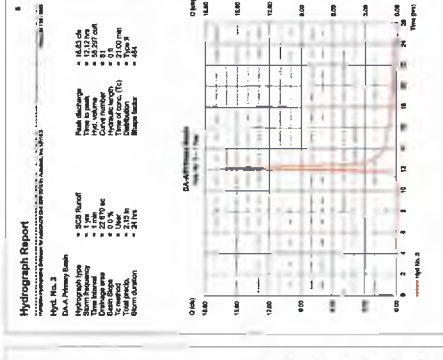
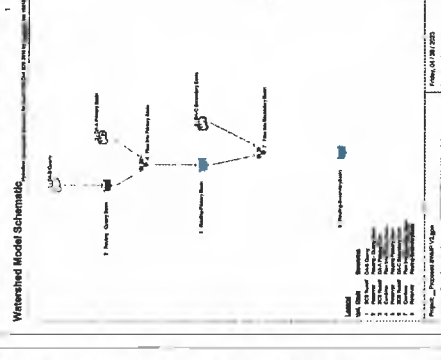
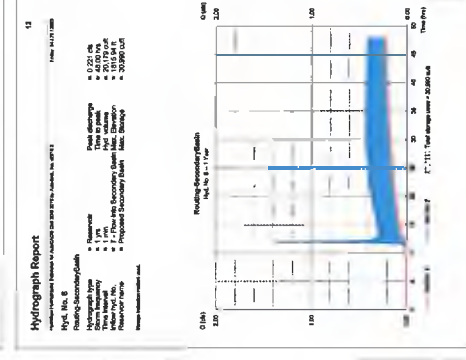
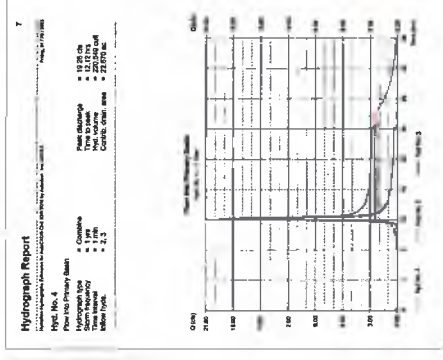
CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY
 2658 VALLEY DRIVE
 BRISTOL, VA 24201

SCS ENGINEERS
 CONSULTING ENGINEERS, INC.
 1000 EAST BRISTOL AVENUE, SUITE 100
 BRISTOL, VA 24201
 PHONE: (804) 438-1100
 FAX: (804) 438-1101
 WWW.SCS-VA.COM
 DATE: 7/28/23
 SCALE: AS SHOWN
 DRAWING NO.: 18 of 21



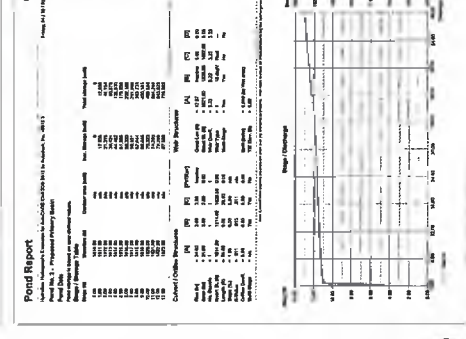
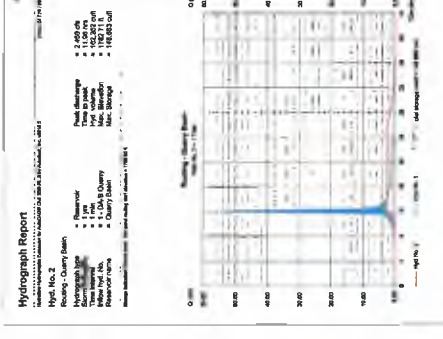
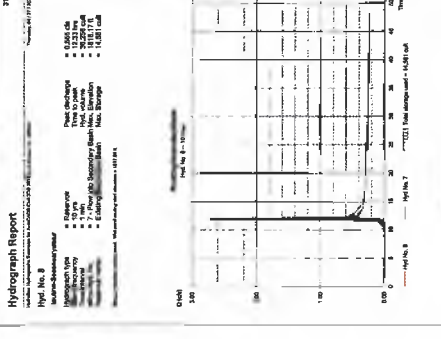
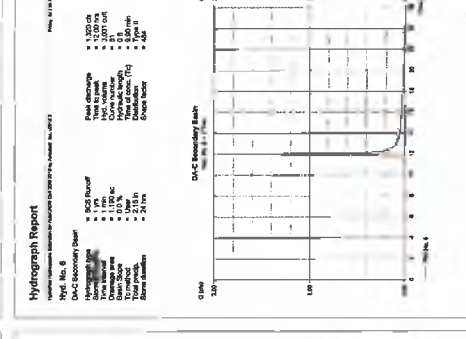
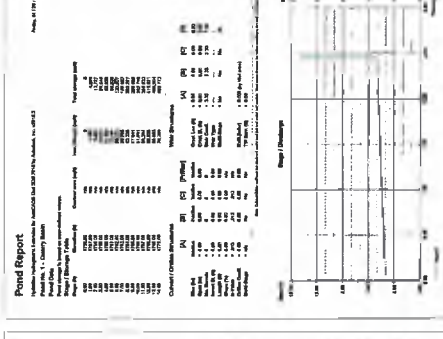
Hydrograph Summary Report

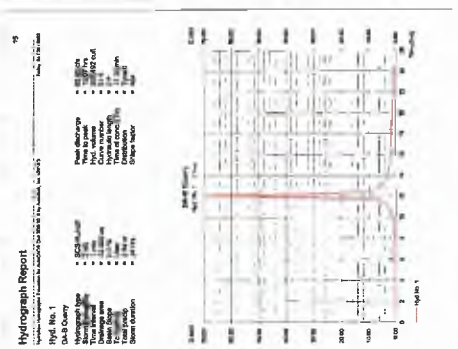
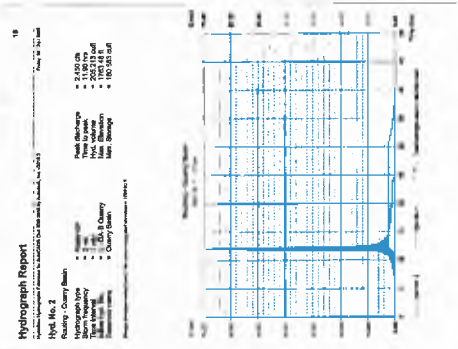
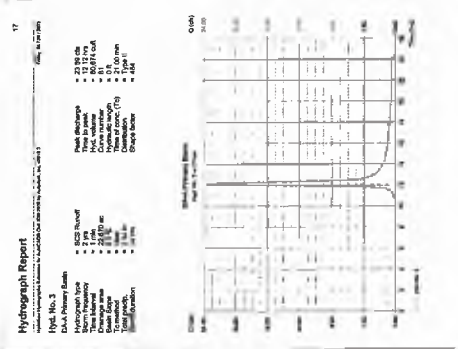
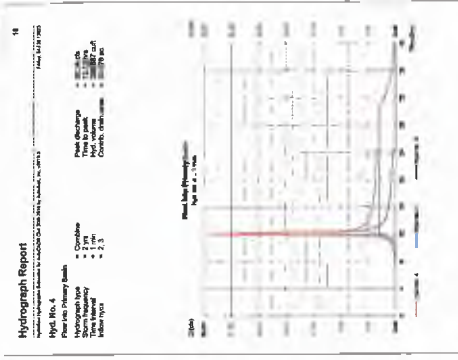
Hydrograph No.	Area (sq ft)	Volume (cu ft)	Peak Discharge (cfs)	Time to Peak (hr)	Duration (hr)	Time of Travel (min)	Time of Conc. (min)	Storm Duration (hr)
1	1,000	10,000	1,425	11:00 AM	1.0	17.00	17.00	1.00
2	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
3	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
4	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
5	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
6	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
7	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
8	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
9	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
10	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
11	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
12	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
13	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00



END OF EXISTING CONDITIONS SUMMARY ANALYSIS

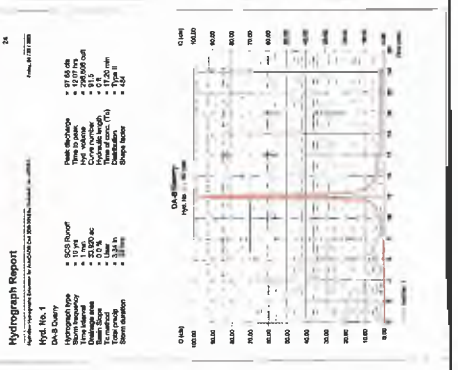
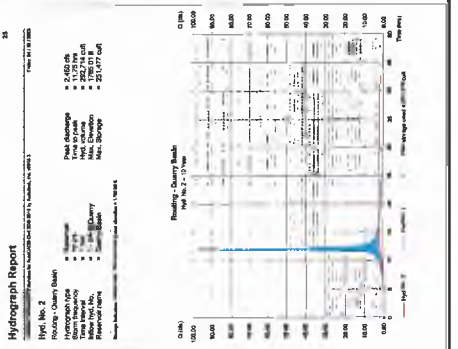
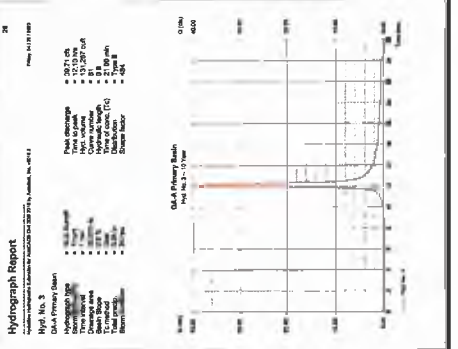
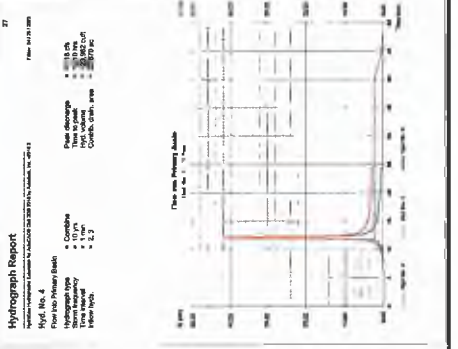
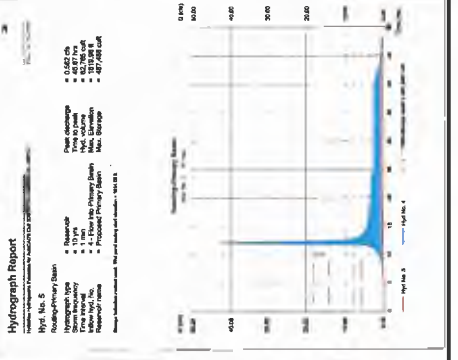
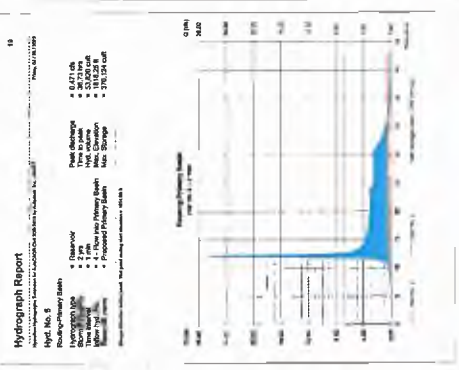
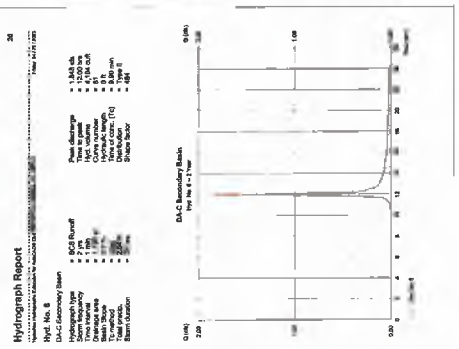
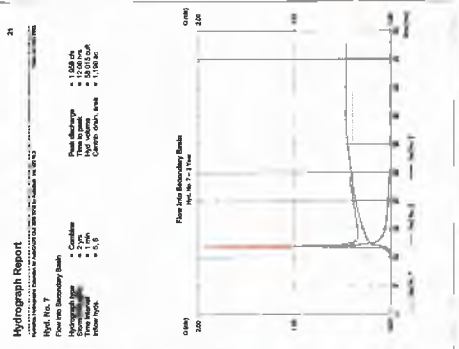
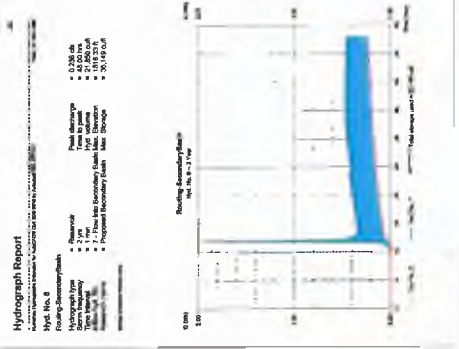
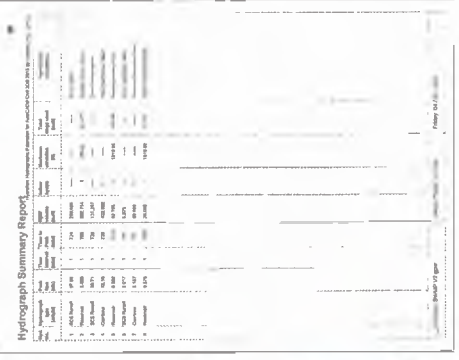
Hydrograph No.	Area (sq ft)	Volume (cu ft)	Peak Discharge (cfs)	Time to Peak (hr)	Duration (hr)	Time of Travel (min)	Time of Conc. (min)	Storm Duration (hr)
1	1,000	10,000	1,425	11:00 AM	1.0	17.00	17.00	1.00
2	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
3	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
4	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
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6	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
7	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
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10	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
11	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
12	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00
13	1,000	10,000	1,110	11:00 AM	1.0	17.00	17.00	1.00

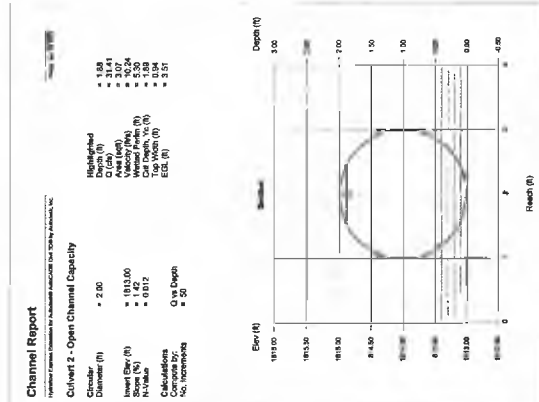
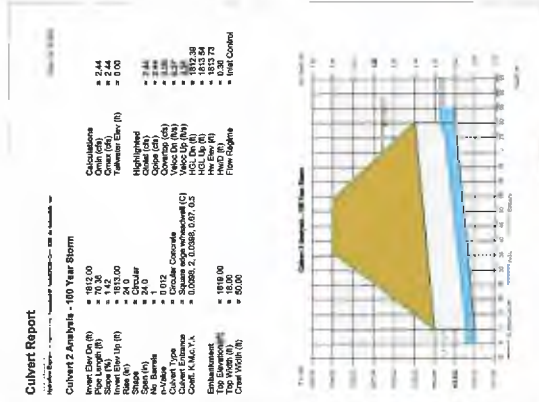
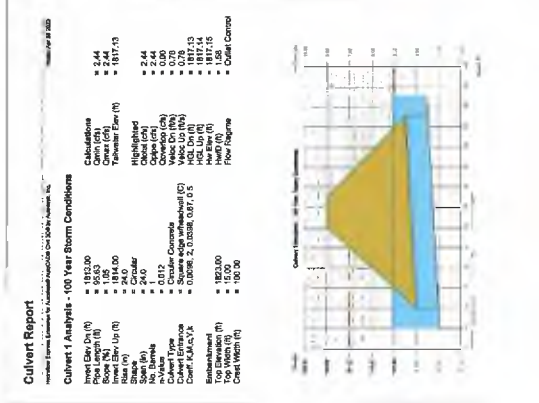
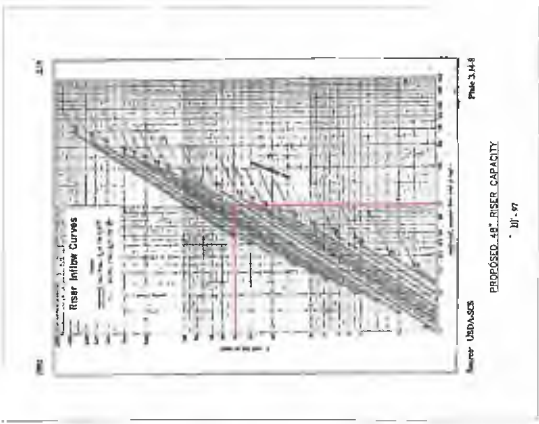
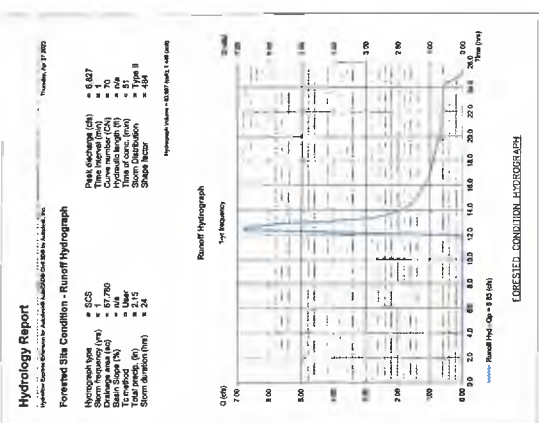
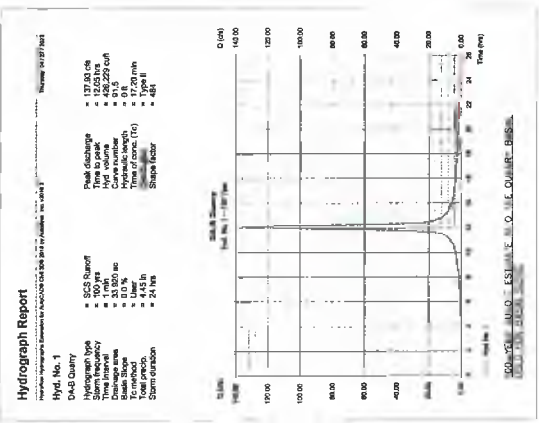




Hydrograph Summary Report

Hydrograph No.	Peak Discharge (cfs)	Time to Peak (min)	Volume (cu ft)	Time to Base (min)	Base Flow (cfs)	Duration (min)	Storm Depth (in)
1	1.15	1.0	0.000	1.0	0.000	1.0	0.000
2	1.15	1.0	0.000	1.0	0.000	1.0	0.000
3	1.15	1.0	0.000	1.0	0.000	1.0	0.000
4	1.15	1.0	0.000	1.0	0.000	1.0	0.000





Midlothian, VA

PROJECT: Bristol, LF EVOH Cover, Bristol LF, VA
02218208.16 DATE: 4/28/2023

SUBJECT: 588 Stormwater Management Plan TRANSMITTAL ID: 00003

PURPOSE: For your review and comment VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Thomas Williams Midlothian, VA	SCS Engineers	TWilliams@scsengineers.com	+1-804-486-1916

TO

NAME	COMPANY	EMAIL	PHONE
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Erin Malone 1650 Arch Street Philadelphia PA 19103 United States	Environmental Protection Agency	malone.erin@epa.gov	
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Jeffery Hurst Southwest Regional Office 355 Deadmore Street Abingdon VA 24210 United States	Virginia Department of Environmental Quality	jeff.hurst@deq.virginia.gov	
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Jacob Chandler 2515 Valley Drive Bristol VA 24201 United States	Bristol, VA, City of	jacob.chandler@bristolva.org	+1-276-645-2316
Joey Lamie	Bristol, VA, City of	Joey.Lamie@bristolva.org	276-645-7333

Transmittal

DATE: 4/28/2023
 TRANSMITTAL ID: 00003

NAME	COMPANY	EMAIL	PHONE
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Susan Blalock United States	Virginia Department of Environmental Quality	susan.blalock@deq.virginia.gov	

REMARKS: Good evening,

Please see the link to download the SWP #588 stormwater management plan for the EVOH cover system.

Thanks,

Thomas

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	4/28/2023	588 EVOH Cover System - Stormwater Management Plan 4-28-23 v1.0.pdf	

COPIES:

Thomas Williams (SCS Engineers)

Transmittal

DATE: 4/28/2023
TRANSMITTAL ID: 00003