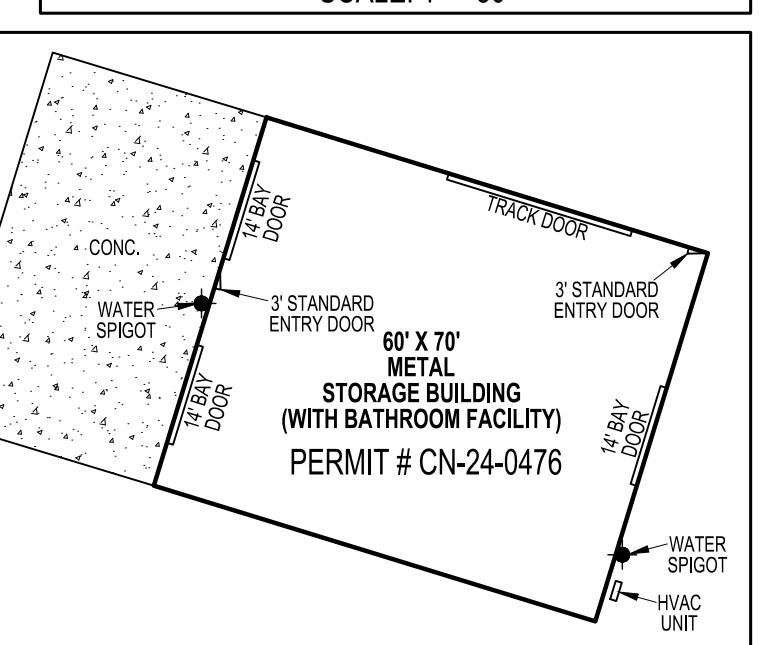
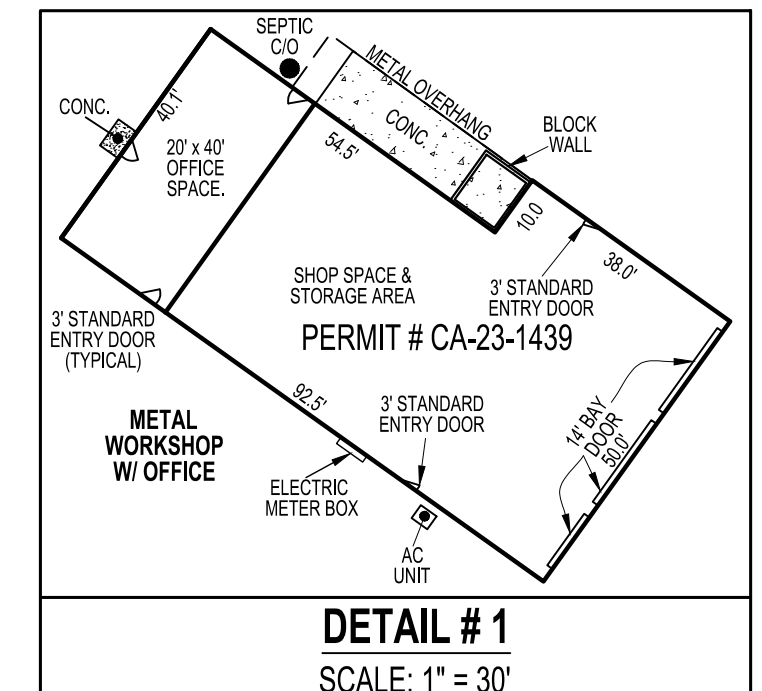


Test #	Test Type	Percolation Rate	Percolation Rate	Comments	Date	Test #
1	OH			>50% Rock @ 5 feet	04/23/24	1
2				Did Not Excavate	04/23/24	2
3	MTF	4 min. at 2 ft.		>2 minutes at 6 feet; >50% Rock at 6	04/23/24	3
4	MTF	20 min. at 2 ft.		>2 minutes at 6 feet; >50% Rock at 6	04/23/24	4
5	MTF	15 min. at 2 ft.		>2 minutes at 6 feet	04/23/24	5
6	MTF	15 min. at 2 ft.		>2 minutes at 6 feet; >50% Rock at 6	04/23/24	6

LEGEND

LIMITS OF DISTURBANCE
SUPER SILT FENCE	— 35F —
SILT FENCE	— 5F —
SOIL CLASSIFICATION
PROPERTY LINE	— 0.5" —
INTERMITTENT STREAM	— 1" —
SEPTIC / STREAM BUFFER	— 5' —
CLEAN OUT	○
SWM DRYWELL	□
FAILED PERC TEST	○
PROPOSED PERC TEST	○
PASSED PERC TEST	○
OBSERVATION HOLE / TREATMENT ZONE	○
EXISTING WELL	○
PROPOSED WELL	○
UTILITY POLE	○
ELECTRIC BOX / TRANSFORMER	○
>2% SLOPES	▨
STONE CONSTRUCTION EASEMENT	▨

VICINITY MAP
SCALE: 1" = 2000'



- #### GENERAL NOTES
- EXISTING ZONING = AGRICULTURE & CONSERVATION
 - TOTAL AREA OF SITE = 27.206 AC.
 - TOTAL DEVELOPED AREA = 2.800 AC.
 - THE PROPERTY SHOWN HEREON IS OWNED BY: WALTER T. COON, JR. & THERESA A. COON, BY DEED DATED MAY 19, 2014, RECORDED AMONG THE LAND RECORDS OF CARROLL COUNTY IN LIBER. L.W.S. 7722 FOLIO 228.
 - TAX MAP: 57 BLOCK, 17 PARCEL, 139
 - TOPOGRAPHY SHOWN HEREON IS FROM A 2014 DATUM AND IS APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND DEPTH OF ANY EXISTING UTILITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 THREE WORKING DAYS PRIOR TO BEGINNING ANY WORK IN THE VICINITY OF EXISTING UTILITIES.
 - THE CONTRACTOR SHALL NOTE THAT IN CASE OF A DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
 - ANY CHANGES TO THIS PLAN WILL REQUIRE AN AMENDED SITE DEVELOPMENT PLAN TO BE APPROVED BY THE CARROLL COUNTY PLANNING AND ZONING COMMISSION.
 - THIS SITE PLAN SHALL BECOME VOID EIGHTEEN MONTHS AFTER THE DATE OF APPROVAL IF NO BUILDING PERMIT OR ZONING CERTIFICATE HAS BEEN ISSUED FOR THIS PROJECT, UNLESS AN EXTENSION OF THIS TIME LIMIT IS ISSUED BY THE DIRECTOR OF THE DEPARTMENT OF PLANNING.
 - THE BOARD OF ZONING APPEALS CASE NUMBER 844, REQUEST FOR A CONDITIONAL USE OF A CONTRACTOR'S EQUIPMENT STORAGE YARD WAS APPROVED APRIL 28, 2023 WITH 1) AN AREA VARIANCE FROM 1 ACRE TO 2.8 ACRES 2) ONE SETBACK VARIANCE AND 3) VARIANCE FOR THE ACCESS DRIVE WIDTH. A REQUEST WAS SUBMITTED OCTOBER 24, 2023 FOR AN EXTENSION OF THE ORIGINAL DECISION DUE TO VARIOUS DELAYING FACTORS. THE BOARD GRANTED THE REQUEST FOR EXTENSION OF ONE YEAR. THIS EXTENSION WILL EXPIRE ON OCTOBER 28, 2024.
 - FOREST CONSERVATION IS BEING ADDRESSED BY ON-SITE FOREST RETENTION. SEE SHEET 2 FOR LOCATION.

- #### SITE DEVELOPMENT PLAN INSPECTION SEQUENCE NOTES
- CONTRACTOR SHALL NOTIFY THE CARROLL COUNTY BUREAU OF PERMITS AND INSPECTIONS AT 410-386-2674, AT LEAST ONE DAY PRIOR TO BEGINNING ANY WORK.
 - SITE COMPLIANCE INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES DURING CONSTRUCTION:
 - PROPOSED STRUCTURES STAKED OUT IN PROPER LOCATIONS AS SHOWN ON THESE APPROVED PLANS.
 - PROPOSED FOUNDATION INSTALLED FOR ALL BUILDING SHOWN ON THESE APPROVED PLANS.
 - SUB-GRADES ESTABLISHED FOR ALL DRIVES, PARKING LOTS AND SURROUNDING GRADING.
 - COMPLETION OF ALL DRIVES, PARKING LOTS AND SURROUNDING GRADING.
 - COMPLETION OF ALL WORK SHOWN ON PLANS.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE CARROLL COUNTY BUREAU OF PERMITS AND INSPECTIONS AT 410-386-2674 UPON COMPLETION OF EACH PHASE OF CONSTRUCTION.
 - CONTRACTOR SHALL NOTIFY CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT, ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 PRIOR TO BEGINNING ANY WORK. ALL FOREST CONSERVATION PLAN DEVICES MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION.
 - FINAL LANDSCAPING INSPECTION SHALL BE ARRANGED THROUGH THE BUREAU OF RESOURCE MANAGEMENT, ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 BY THE CONTRACTOR/DEVELOPER OR AGENT, WRITTEN APPROVAL FROM THE LANDSCAPE REVIEW SPECIALIST, BUREAU OF RESOURCE MANAGEMENT, MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE LANDSCAPING OR FOREST CONSERVATION PLANS OR MODIFICATIONS IN THE PLANT MATERIAL.
 - THE CONTRACTOR SHALL NOT PROCEED TO THE NEXT PHASE OF CONSTRUCTION UNTIL GIVEN APPROVAL OF PRIOR PHASES.

- #### PARKING TABULATION
- APPROVED USE: CONTRACTOR EQUIPMENT STORAGE YARD WITH OFFICE SPACE AS ACCESSORY USE.
 - PARKING REQUIREMENTS: BUSINESS OFFICE = 3.3 SPACES FOR EVERY 1,000 SQUARE FEET OF FLOOR AREA.
 - PARKING REQUIRED: 800 SQUARE FEET OFFICE AREA = 3 PARKING SPACES MINIMUM (ONE A.D.A. COMPLIANT PARKING SPACE)
 - PARKING PROVIDED: 1 HANDICAP PARKING SPACE (SEE H.C. PARKING DETAIL)
6 STANDARD PARKING SPACES (SEE NOTE BELOW)
7 TOTAL PARKING SPACES
- NOTE: ALL PARALLEL PARKING SPACES ARE 9' x 25' EXCEPT END SPACES ARE 9' x 20'

COMMERCIAL SEWERAGE FLOWS

SITE: WTC Contractors, Inc.

(For sites with multiple tenants, calculations must be prepared for each tenant using a 400 gpd minimum unless otherwise approved)

Enter T for each tenant	USE	# OF UNITS	UNITS	X	GAL./UNIT	T
#1	office use	10	employees	X	15	= 150 gallons
#2		X		X		= 0 gallons
#3		X		X		= 0 gallons
#4		X		X		= 0 gallons
#5		X		X		= 0 gallons

400 gallons test

SEPTIC TANK VOLUME REQUIRED

FOR FLOWS (Q) < 1500 GPD: V = 1.5 Q = 600 gallons

FOR FLOWS = or > 1500 GPD: V = 1.125 gallons + .75 Q = N/A gallons

** For sites with laundry and/or garbage disposals, it is recommended that the septic tank be sized to accommodate the additional flows which will be generated by these appliances.

The following tank configuration will be utilized:

PERCOLATION RATE =	10 minutes
APPLICATION RATE =	0.5 gal per sq. ft. per day
WASHING MACHINE? IF YES, ENTER 0.4 (for 40%)	0.4
GARBAGE DISPOSAL? IF YES ENTER 0.2 (for 20%)	0.2
additional absorptive area req'd	N/A

The following tank configuration will be utilized:

AREA REQUIRED WHO LAUNDRY OR GARBAGE DISPOSAL =	500 square feet
AREA REQUIRED FOR LAUNDRY AND GARBAGE DISPOSAL =	0 square feet
TOTAL ABSORPTIVE AREA REQUIRED =	500 square feet total

TRENCH LENGTH REQUIRED

STONE DEPTH (ENTER 5 FOR TILE FIELD) = 0.5 feet

LENGTH OF STANDARD TRENCH REQUIRED = 167 linear ft. of tile field

DEEP TRENCH CONVERSION FACTOR = (w+2) / ((w+1)+2d) = N/A

LENGTH OF DEEP TRENCH REQUIRED = N/A feet

167 FT. OF TILE FIELD WITH A STONE DEPTH OF 0.5 FEET IS REQUIRED

- #### ENVIRONMENTAL HEALTH DEPARTMENT NOTES
- THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY UNLESS SHOWN HEREON.
 - BEFORE ISSUANCE OF A SEPTIC PERMIT, IT MUST BE DEMONSTRATED THAT THERE IS ADEQUATE AREA FOR AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS IN ACCORDANCE WITH COMAR 26.04.02.04F (EFFECTIVE 11/18/95).
 - IF GRAVITY FLOW TO SEWAGE DISPOSAL AREA CANNOT BE ENSURED, A PUMPED SEWAGE DISPOSAL SYSTEM WILL BE REQUIRED.
 - A PERCOLATION TEST IS ONLY ONE OF THE CRITERIA USED IN CONSIDERING A LOT FOR INSTALLATION OF A SEPTIC SYSTEM. ADDITIONAL TESTING CAN BE REQUIRED AND MAY BE SUBJECT TO SCHEDULING DURING THE SEASONAL WET WEATHER PERIOD. THE ENTIRE LOT IS EVALUATED WHEN APPLICATION FOR A SEPTIC PERMIT IS MADE. ADJOINING PROPERTY HISTORY, PERCOLATION TEST METHODOLOGY, ADJOINING WELLS AND SEPTIC SYSTEMS, PROPOSED NUMBER OF BEDROOMS, HISTORY OF FAILING SEPTIC SYSTEMS AND WELLS, DESIGN, SOIL AND GEOLOGICAL CONDITIONS AND TOPOGRAPHY IN THE IMMEDIATE AREA ARE THEN USED TO DETERMINE IF THE LOT IS SUITABLE FOR THE UNDERGROUND DISPOSAL OF SEWAGE. ISSUANCE OF A SEPTIC SYSTEM PERMIT CONSTITUTES LOT APPROVAL BY THE HEALTH DEPARTMENT.

- #### SHEET INDEX
- SHEET-1 SITE PLAN
 - SHEET-2 ENVIRONMENTAL SITE DELINEATION PLAN & WATER RESOURCE PROTECTION PLAN
 - SHEET-3 STORMWATER MANAGEMENT PLAN
 - SHEET-4 STORMWATER MANAGEMENT DETAILS

PROPOSED AREA OF DISTURBANCE = 23,373 SQ. FT. ±

SITE PLAN OF CONTRACTOR EQUIPMENT STORAGE YARD FOR

WTC CONTRACTORS, INC.

3033 SALEM BOTTOM ROAD
9TH ELECTION DISTRICT, CARROLL CO. MD
TAX MAP: 57, GRID: 17, PARCEL: 138

EXISTING USE = CONTRACTOR'S EQUIPMENT STORAGE YARD
PROPOSED USE = CONTRACTOR'S EQUIPMENT STORAGE YARD



CHECKED BY: _____ DATE: _____
DRAWN BY: _____ DATE: _____
SCALE: 1" = 50'

RTF JOB#: 18-50 COUNTY FILE#: S-24-0001 SHEET: 1 OF 4

OWNER/DEVELOPER

I CERTIFY THAT THIS PLAN OF SOIL EROSION & SEDIMENT CONTROL WILL BE IMPLEMENTED TO THE FULLEST EXTENT, AND ALL STRUCTURES WILL BE INSTALLED TO THE DESIGN AND SPECIFICATIONS AS SPELLED OUT IN THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN CONSTRUCTION OF THIS PROJECT WILL HAVE A CERTIFICATION OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SOIL EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE EVALUATION BY THE CARROLL SOIL CONSERVATION DISTRICT PERSONNEL AND COOPERATING AGENCIES.

DEVELOPER _____ DATE _____

PRINTED NAME OF DEVELOPER _____

DEVELOPER COMPANY NAME _____

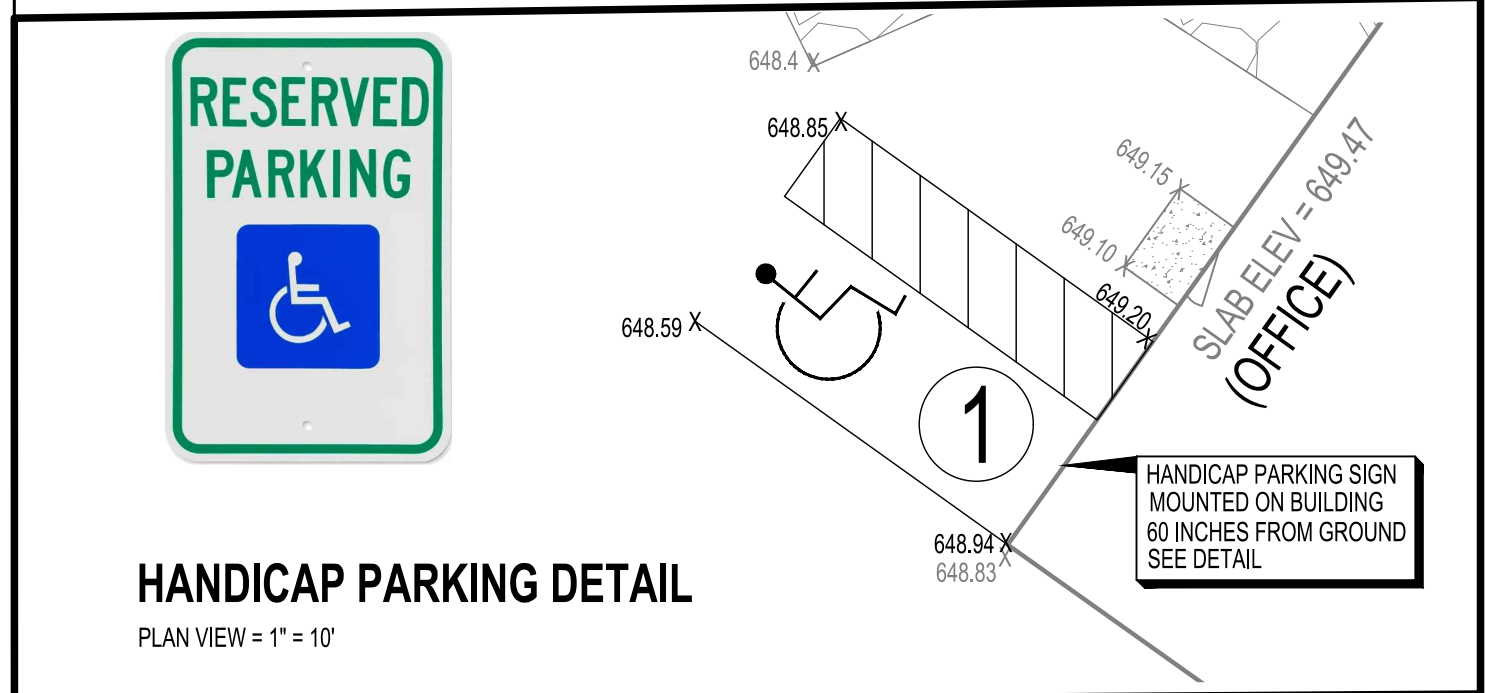
DEVELOPER PHONE NUMBER _____

CARROLL COUNTY PLANNING AND ZONING COMMISSION:

BY _____ DATE _____

CARROLL COUNTY HEALTH DEPARTMENT:

BY _____ DATE _____



OWNER/DEVELOPER

I/WE HEREBY CERTIFY THAT ALL PROPOSED WORK SHOWN ON THESE CONSTRUCTION DRAWING(S) HAS BEEN REVIEWED BY ME/US AND THAT I/WE FULLY UNDERSTAND WHAT IS NECESSARY TO ACCOMPLISH THIS WORK AND THAT THE WORK WILL BE CONDUCTED IN STRICT ACCORDANCE WITH THESE PLANS. I/WE ALSO UNDERSTAND THAT ANY CHANGES TO THESE PLANS WILL REQUIRE AN AMENDED PLAN TO BE REVIEWED AND APPROVED BY THE CARROLL COUNTY PLANNING AND ZONING COMMISSION BEFORE ANY CHANGE IN THE WORK IS MADE.

NAME(S) PRINTED DATE _____

SIGNED DATE _____

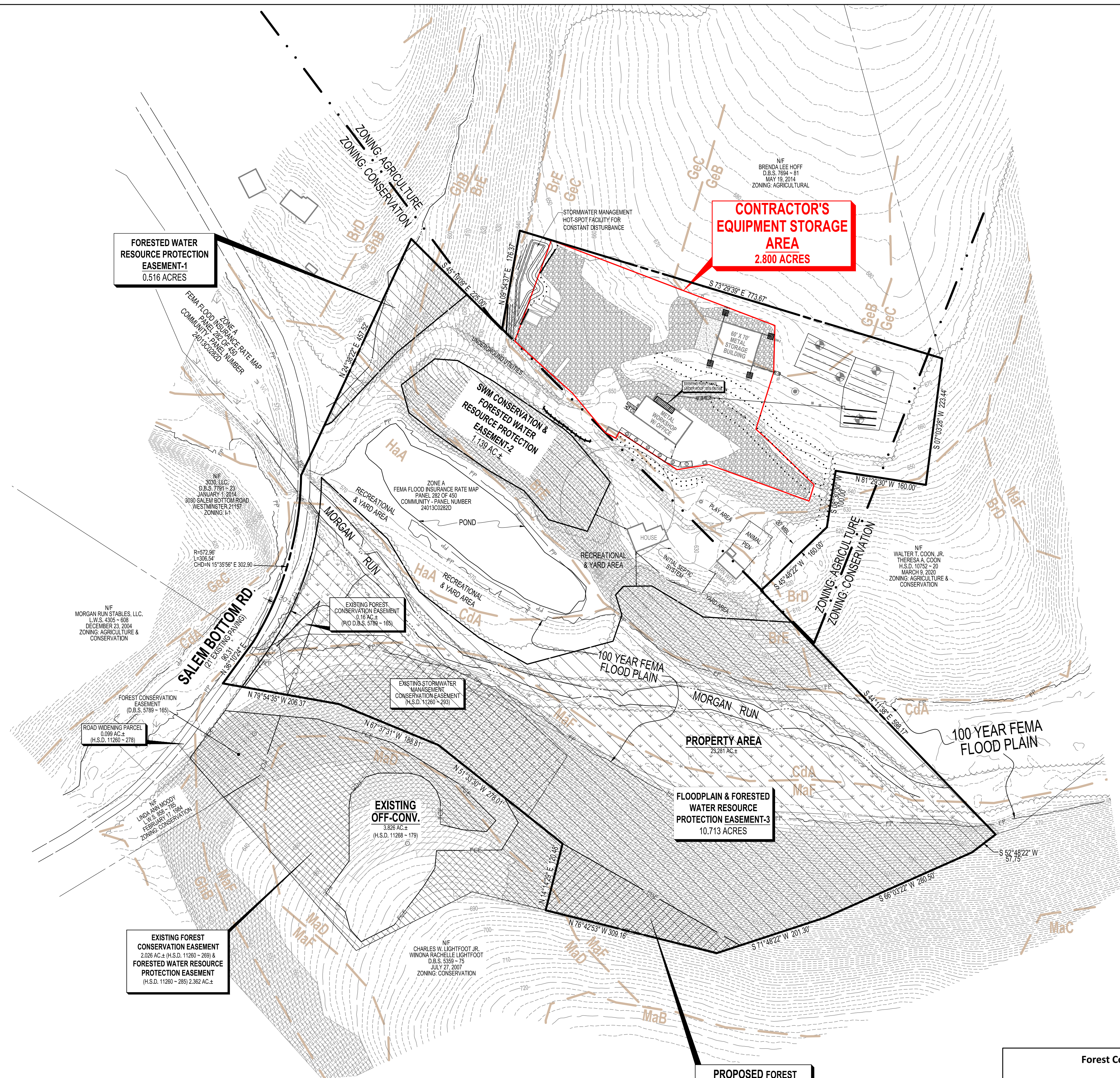
PROFESSIONAL LAND SURVEYOR/ENGINEER

I CERTIFY THAT THIS PLAN OF SEDIMENT CONTROL IS DESIGNED WITH MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND HAS BEEN DESIGNED TO THE STANDARDS AND SPECIFICATIONS ADOPTED BY THE CARROLL SOIL CONSERVATION DISTRICT.

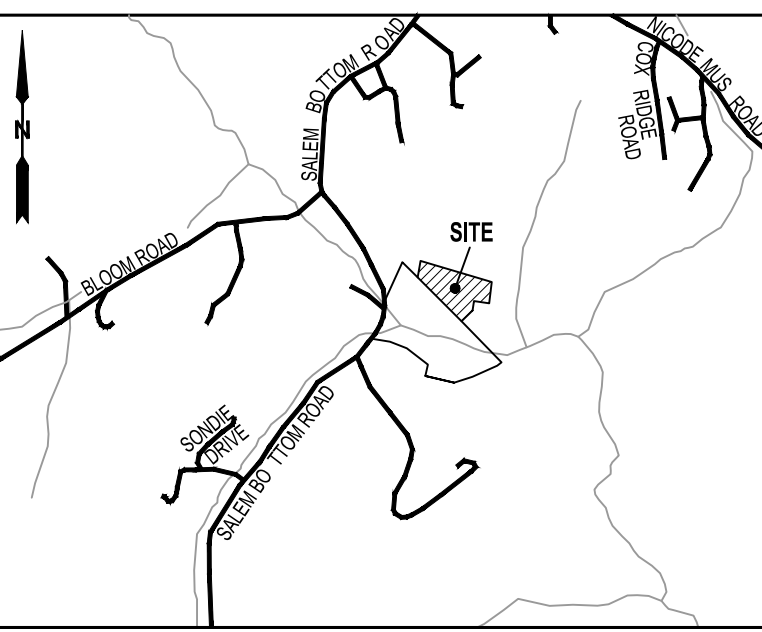
LAND SURVEYOR #21096 DATE _____

JOHN E. LEMMERMAN
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 21096
EXP. 08-03-2025

ALL PERCOLATION TESTS / OBSERVATION HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND ARE ACCURATELY SHOWN ON THE PLAN



LEGEND	
LIMITS OF DISTURBANCE
SUPER SILT FENCE	---SIF---
SILT FENCE	---SF---
SOIL CLASSIFICATION	---SC---
PROPERTY LINE	---
INTERMITTENT STREAM	---
SEPTIC / STREAM BUFFER	---
CLEAN OUT	○
SWM DRYWELL	□
FAILED PERC TEST	○
PROPOSED PERC TEST	⊕
PASSED PERC TEST	⊙
OBSERVATION HOLE / TREATMENT ZONE	○
EXISTING WELL	●
PROPOSED WELL	▲
UTILITY POLE	□
ELECTRIC BOX / TRANSFORMER	□
>25% SLOPES	▨
>12% SLOPES	▩
STONE CONSTRUCTION EASEMENT	▨



- WATER RESOURCE MANAGEMENT:**
1. WATER RESOURCE MANAGEMENT AREAS = SURFACE WATERSHED AREA, SURFACE MANAGEMENT ZONE WITH STREAM BUFFER.
 2. TIER II CATCHMENTS NAME = MORGAN RUN, MD WATERSHED 02130907
 3. THERE ARE REGULATED SUBSTANCE STORAGE ON SITE (FUEL TANKS). FUEL TANKS ARE CONTAINED AND UNDER ROOF. SEE PLAN VIEW FOR LOCATION AND DETAIL.
 4. **WATER RESOURCE PROTECTION EASEMENTS:** DUE TO UNIQUE SITE CONDITIONS, STEEP SLOPES, ETC., ENTIRE SITE IS TO BE PLACED IN A WATER RESOURCE PROTECTION / FLOOD PLAIN EASEMENT EXCEPT AREAS NEEDED FOR USE, MAINTENANCE AND RECREATION, WHICH IS EXCLUDED FROM PROPOSED EASEMENT AREAS AS INSTRUCTED BY THE ENVIRONMENTAL REVIEW SUPERVISOR AT THE PRE-SUBMITTAL CONFERENCE.



ONSITE FUEL TANK STORAGE DETAIL
N.T.S.

FORESTED WATER RESOURCE PROTECTION EASEMENT-1
0.516 ACRES

CONTRACTOR'S EQUIPMENT STORAGE AREA
2.800 ACRES

SWM CONSERVATION & FORESTED WATER RESOURCE PROTECTION EASEMENT-2
1.130 ACRES

FLOODPLAIN & FORESTED WATER RESOURCE PROTECTION EASEMENT-3
10.713 ACRES

PROPOSED FOREST CONSERVATION RETENTION EASEMENT
0.56 ACRES

EXISTING FOREST CONSERVATION EASEMENT
2.026 ACRES (H.S.D. 11260 - 269) & FORESTED WATER RESOURCE PROTECTION EASEMENT
(H.S.D. 11260 - 269) 2.362 ACRES

EXISTING OFF-CONV.
3.826 ACRES (H.S.D. 11266 - 179)

PROPERTY AREA
23.281 ACRES

CONCEPT

Forest Conservation Worksheet	
A. Forest to be cleared:	0
B. Reforestation Required:	0
(Forest which is cut or cleared, measured to the nearest one-tenth acre, shall be reforested at a ratio of one acre planted or banked for every one acre of forest removed.)	
C. Net Tract Area:	2.8 (APPROVED LAND USE CHANGE)
D. Minimum Forest Threshold:	0.56
(15% for areas zoned commercial or industrial, or institutional development areas; 20% for all other zones)	
E. Existing Forest within the Net Tract Area:	0
F. Forest to be Retained (E - A):	0
G. Forest Credit (B + F):	0
H. Afforestation Required (D - G):	0.56
(Afforestation may be addressed by retaining in an easement forest that is within the net tract area, planting, or banking. If H < 0, no afforestation is required.)	

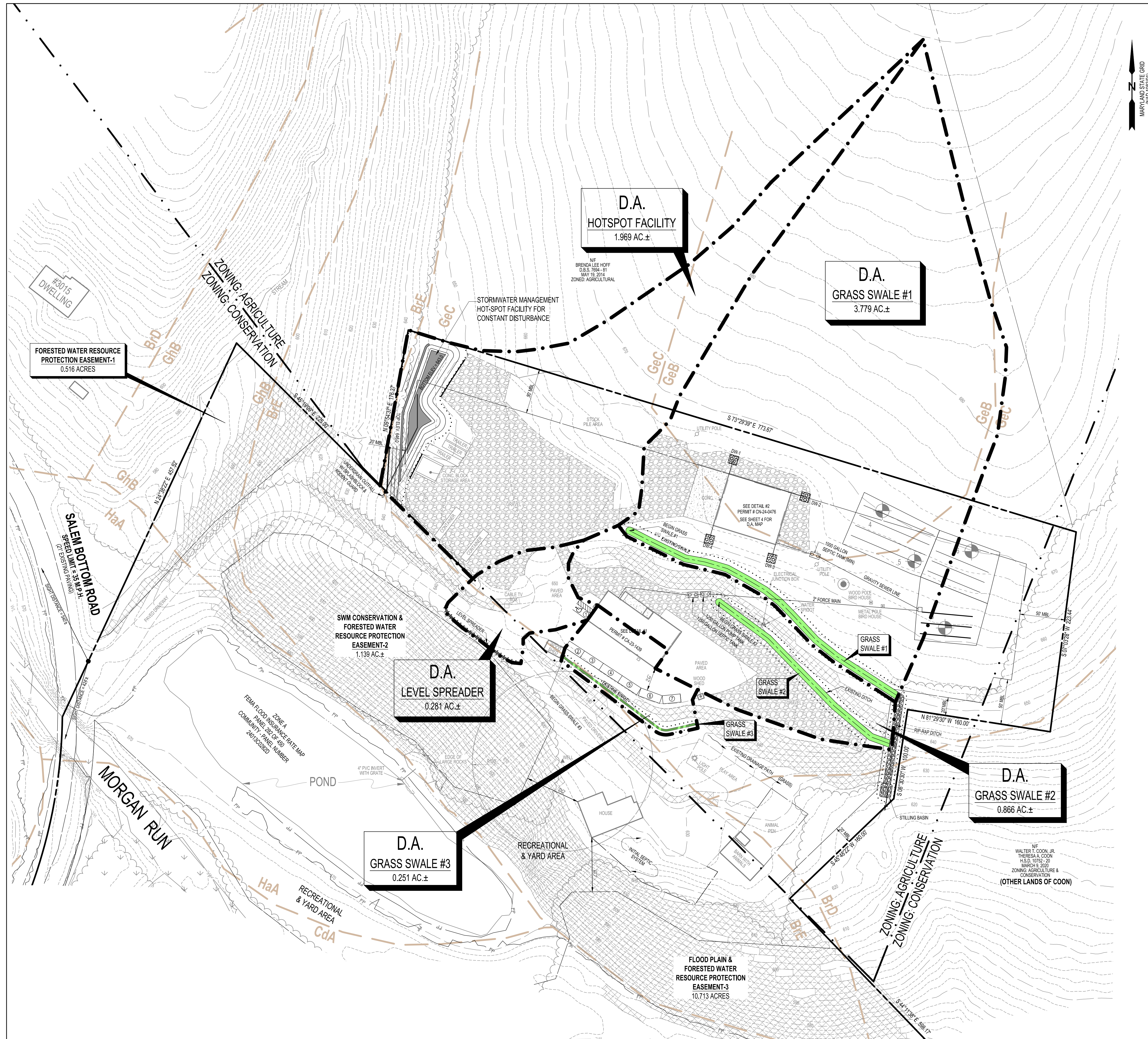
OWNER/DEVELOPER	
WALTER T. COON, JR. THERESA A. COON 3033 SALEM BOTTOM ROAD WESTMINSTER, MD 21157 410-875-4771	
REVISIONS	
DATE	REASON

ENVIRONMENTAL SITE DELINEATION & WATER RESOURCE PROTECTION PLAN OF CONTRACTOR EQUIPMENT STORAGE YARD FOR **WTC CONTRACTORS, INC.**

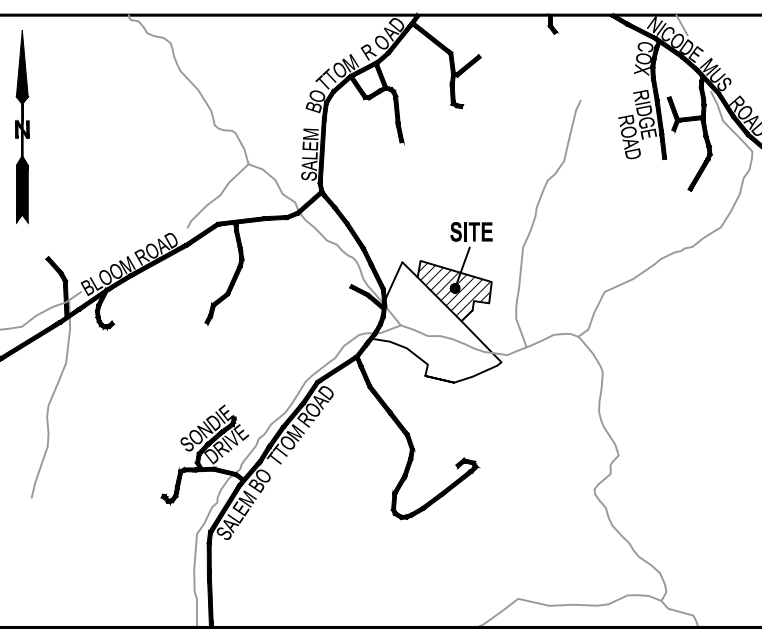
3033 SALEM BOTTOM ROAD
9TH ELECTION DISTRICT, CARROLL CO. MD
TAX MAP: 57, GRID: 17, PARCEL: 138
EXISTING USE = CONTRACTOR'S EQUIPMENT STORAGE YARD
PROPOSED USE = CONTRACTOR'S EQUIPMENT STORAGE YARD



142 EAST MAIN STREET WESTMINSTER, MD 21157
410-846-2040 410-876-1222
WWW.RTFSURVEYING.COM
CHECKED BY: _____ DATE: _____
DRAWN BY: _____ AR DATE: _____
SCALE: 1" = 100'



LEGEND	
LIMITS OF DISTURBANCE
SUPER SILT FENCE	—55F—
SILT FENCE	—5F—
SOIL CLASSIFICATION	—
PROPERTY LINE	—
INTERMITTENT STREAM	—
SEPTIC / STREAM BUFFER	—
CLEAN OUT	○
SWM DRYWELL	□
FAILED PERC TEST	○
PROPOSED PERC TEST	⊕
PASSED PERC TEST	⊙
OBSERVATION HOLE / TREATMENT ZONE	●
EXISTING WELL	▲
PROPOSED WELL	△
UTILITY POLE	□
ELECTRIC BOX / TRANSFORMER	□
>25% SLOPES	▨
STONE CONSTRUCTION EASEMENT	▨



- STORMWATER MANAGEMENT MAINTENANCE AGREEMENT SCHEDULE**
- THE STORMWATER MANAGEMENT FACILITY/FACILITIES SHOWN ON THESE PLANS SHALL BE CONSTRUCTED AND MAINTAINED BY THE OWNER(S).
 - THE OWNER, HIS HEIRS OR ASSIGNS SHALL BE RESPONSIBLE FOR CONTINUING MAINTENANCE OF THE FACILITY/FACILITIES, WHICH SHALL INCLUDE SUCH ITEMS AS MOWING, CLEANING AND REMOVING SEDIMENT, TREES, SHRUBS AND DEBRIS. REQUIREMENTS AND SCHEDULES FOR SPECIFIC TYPES OF FACILITIES AND PRACTICES AS LISTED ON THE PLANS ARE HEREBY INCLUDED. THE TIME PERIOD FOR THIS CONTINUING MAINTENANCE SHALL BE ON "AS-NEEDED" BASIS BUT SHALL BE DELAYED NO LONGER THAN THIRTY (30) DAYS.
 - THE OWNER, HIS HEIRS OR ASSIGNS SHALL BE RESPONSIBLE FOR REPAIRING OR ANY STRUCTURAL DAMAGES OR FAILURE WHICH MAY OCCUR AS A RESULT OF NEGLIGENCE, ACCIDENT OR MISUSE. IN THE EVENT OF STRUCTURAL DAMAGE, OWNER SHALL BE REQUIRED TO MAKE THE NECESSARY REPAIRS AS QUICKLY AS POSSIBLE BUT IN ANY CASE WITHIN THIRTY (30) DAYS.
 - IF AFTER NOTICE BY THE COUNTY/TOWN TO CORRECT A VIOLATION REQUIRING MAINTENANCE WORK, SATISFACTORY CORRECTIONS ARE NOT MADE BY THE OWNER(S) WITHIN THIRTY (30) DAYS, THE COUNTY/TOWN MAY PERFORM ALL NECESSARY WORK TO PLACE THE FACILITY IN PROPER WORKING CONDITION. THE OWNER(S) OF THE FACILITY SHALL BE ASSESSED THE COST OF WORK AND ANY PENALTIES. THESE MONIES SHALL BE COLLECTED FROM A BOND, WHICH THE DEVELOPER IS REQUIRED TO POST WITH THE COUNTY/TOWN TO COVER SUCH EXPENSES UNTIL "COMPLETION OF THE FACILITY". "COMPLETION OF THE FACILITY" IS CONSTRUED TO MEAN THAT ALL CONTRIBUTORY DRAINAGE AREAS ARE PAVED OR SUPPORTING A TWO INCH STAND OF GRASS AND THAT THE CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT HAS INSPECTED THE CONSTRUCTION AND A REGISTERED PROFESSIONAL ENGINEER/SURVEYOR HAS CERTIFIED THAT THE "AS-BUILT" PLANS MEET THE PLANS AND SPECIFICATIONS FOR CONSTRUCTION. AFTER "COMPLETION OF THE FACILITY" THE OWNER(S) WILL BE ASSESSED FOR ANY WORK AND PENALTIES. THIS MAY BE ACCOMPLISHED BY PLACING A LIEN ON THE PROPERTY, WHICH MAY BE PLACED ON THE TAX BILL AND COLLECTED AS ORDINARY TAXES BY THE COUNTY/TOWN/CITY.
 - OWNER(S) SHALL GRANT RIGHT OF ENTRY TO AUTHORIZED COUNTY/TOWN/CITY PERSONNEL, FOR PURPOSES OF INSPECTION, MONITORING AND/OR REPAIR. SITE VISITS FOR INSPECTION AND/OR MONITORING SHALL BE CONDUCTED ONLY DURING NORMAL COUNTY WORKING HOURS (8:00 A.M. TO 5:00 P.M. MONDAY THRU FRIDAY).
 - THIS AGREEMENT INCLUDING RIGHT OF ENTRY FOR INSPECTION/MAINTENANCE AND REPAIR SHALL BE RECORDED BY THE APPLICANT AND/OR OWNER IN THE LAND RECORDS OF THE COUNTY.

- NOTES**
- GRASS SWALE #1 AND #3 ARE EXISTING GRASS SWALES TO BE IMPROVED TO MEET CURRENT S.W.M. REQUIREMENTS.
 - GRASS SWALE #2 IS AN EXISTING DITCH TO BE IMPROVED TO MEET CURRENT S.W.M. REQUIREMENTS.
 - SEE SHEET 4 FOR S.W.M. NOTES AND DETAILS.

STORMWATER MANAGEMENT PLAN
OF
CONTRACTOR EQUIPMENT STORAGE YARD
FOR
WTC CONTRACTORS, INC.
3033 SALEM BOTTOM ROAD
9TH ELECTION DISTRICT, CARROLL CO. MD
TAX MAP: 57, GRID: 17, PARCEL: 138
EXISTING USE = CONTRACTOR'S EQUIPMENT STORAGE YARD
PROPOSED USE = CONTRACTOR'S EQUIPMENT STORAGE YARD

OWNER/DEVELOPER	
WALTER T. COON, JR. THERESA A. COON 3033 SALEM BOTTOM ROAD WESTMINSTER, MD 21157 410-875-4771	
REVISIONS	
DATE	REASON



142 EAST MAIN STREET WESTMINSTER, MD 21157
410-846-2040 410-876-1222
WWW.RTFSURVEYING.COM
CHECKED BY: _____ DATE: _____
DRAWN BY: _____ AR _____ DATE: _____
SCALE: 1" = 50'

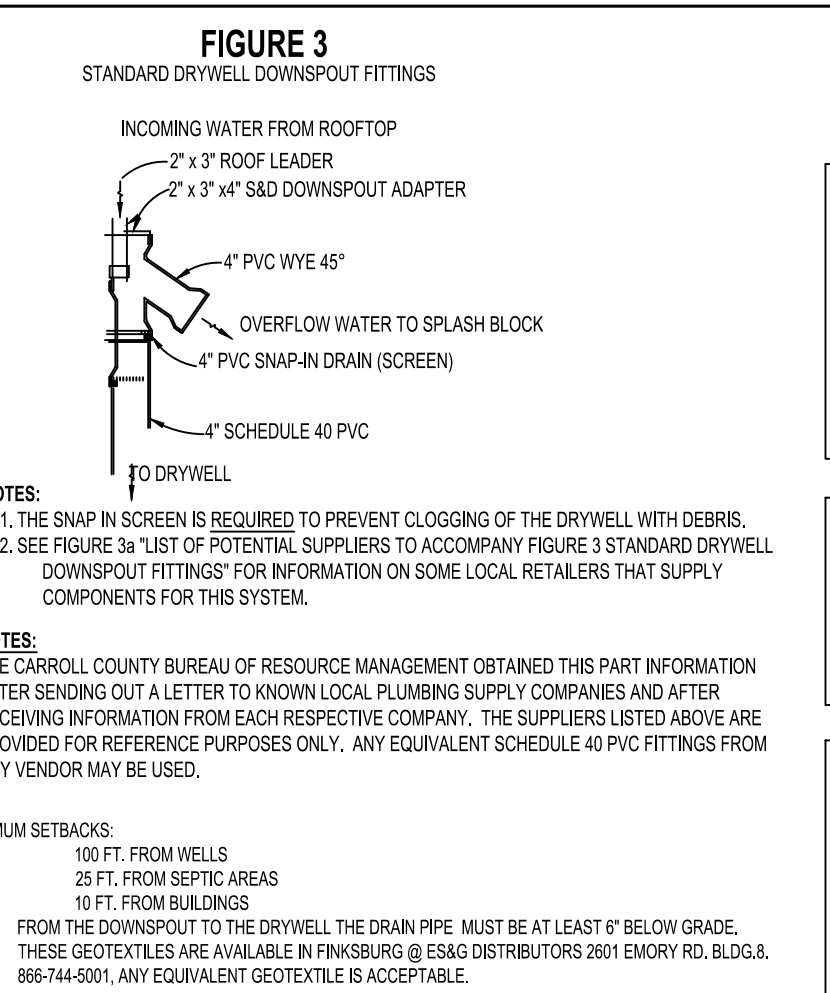
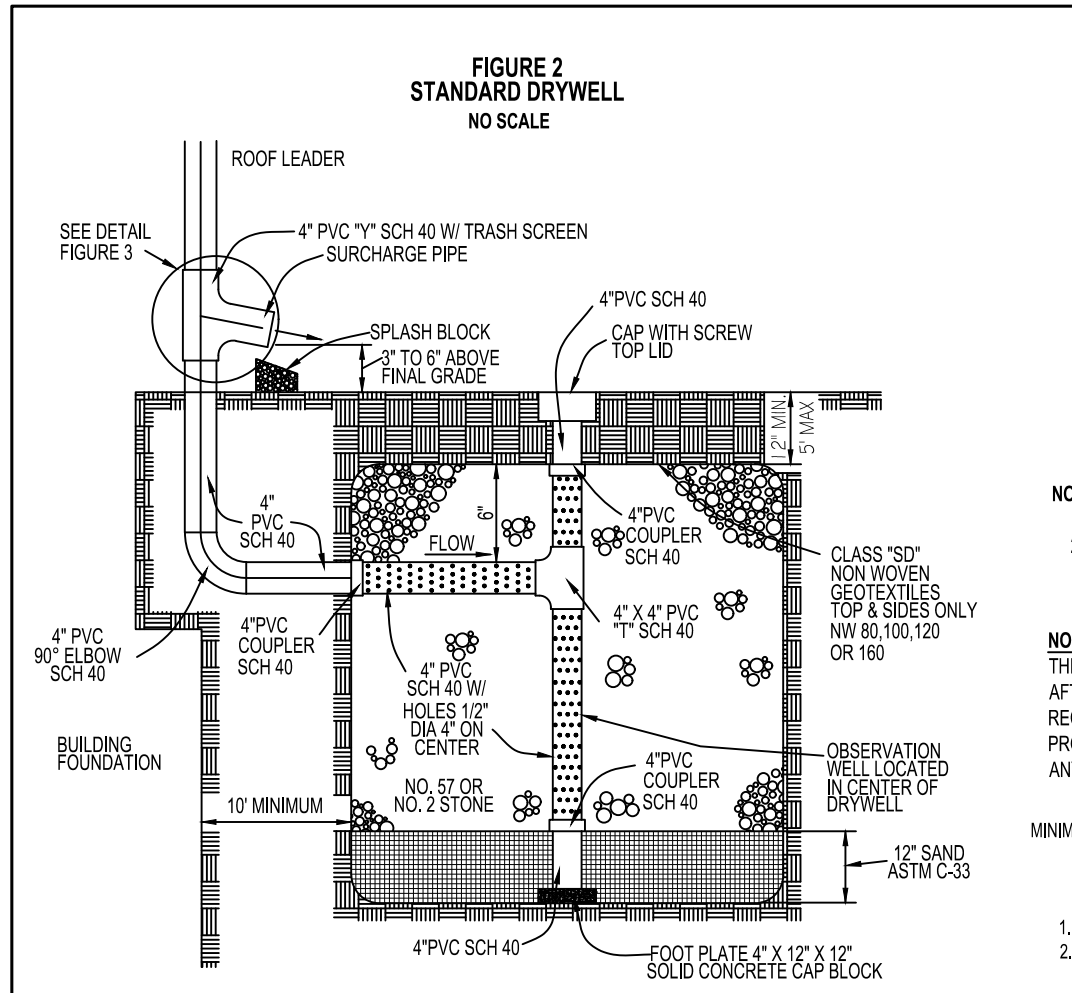


FIGURE 3a
LIST OF POTENTIAL SUPPLIERS TO ACCOMPANY FIGURE 3
STANDARD DRYWELL DOWNSPOUT FITTINGS

2" x 3" x 4" S&D DOWNSPOUT ADAPTER
BT PLUMBING SUPPLY, INC., 486 LUCABAUGH MILL RD., WESTMINSTER, MD 21157, 410-876-2116- PART NO. PSD05A234
FERGUSON ENTERPRISES, INC., 900 WAKEFIELD VALLEY RD., NEW WINDSOR, MD 21776, 410-635-6692- PART NO. PSD0AMP
LOWES HOME IMPROVEMENT WAREHOUSE OF WESTMINSTER, 777 MARKET ST., WESTMINSTER, MD 21157, 410-857-7445- PART NO. NDE LSP04

4" PVC WYE 45°
BT PLUMBING SUPPLY, INC., 486 LUCABAUGH MILL RD., WESTMINSTER, MD 21157, 410-876-2116- PART NO. P14
FERGUSON ENTERPRISES, INC., 900 WAKEFIELD VALLEY RD., NEW WINDSOR, MD 21776, 410-635-6692- PART NO. PDWVP1
LOWES HOME IMPROVEMENT WAREHOUSE OF WESTMINSTER, 777 MARKET ST., WESTMINSTER, MD 21157, 410-857-7445- PART NO. CHARLOTTE CPF600 1400

4" PVC SNAP-IN DRAIN SCREEN
JONES-STEPHENS CORP., WWW.PLUMBEST.COM, 800-355-6637- PART NO. D42-0404
LOWES HOME IMPROVEMENT WAREHOUSE OF WESTMINSTER, 777 MARKET ST., WESTMINSTER, MD 21157, 410-857-7445- PART NO. DATEY 435693

THE PLUMBER HOME CENTER (TWO LOCATIONS), 15 NORTH MAIN STREET, MT. AIRY, MD 21771, 301-829-1770 OR 410-751-1113; OR 418 E. BALTIMORE ST., TANAYTOWN, MD 21787, 410-751-1113- PART NO. -REQUIRES CUTTING TO FIT

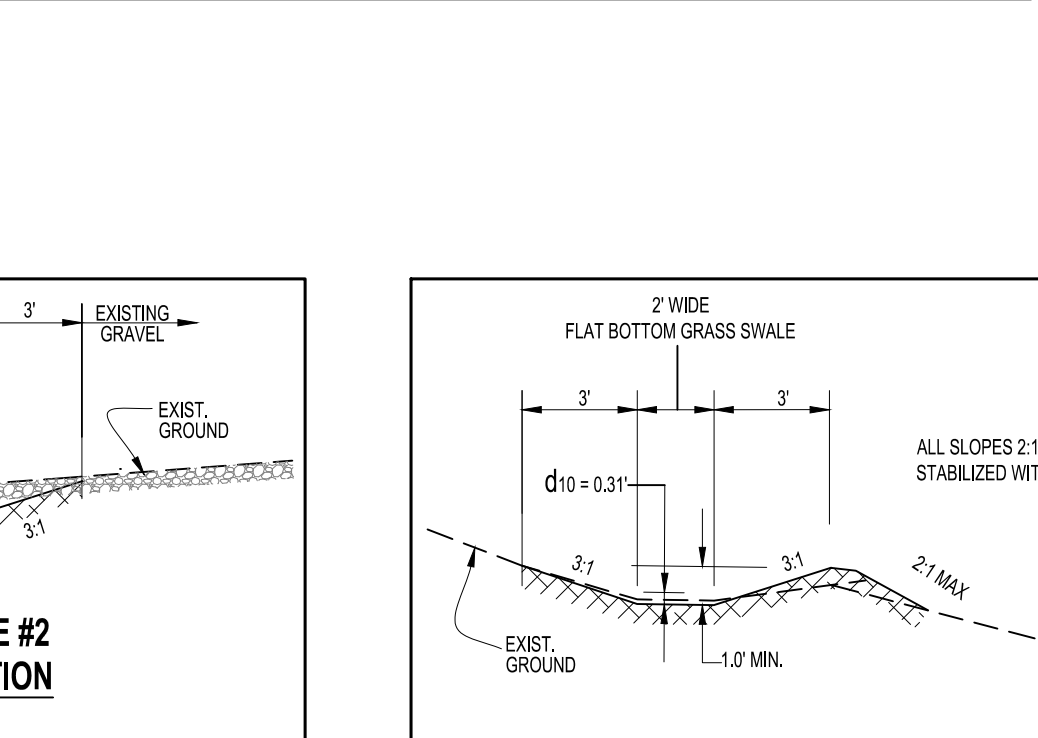
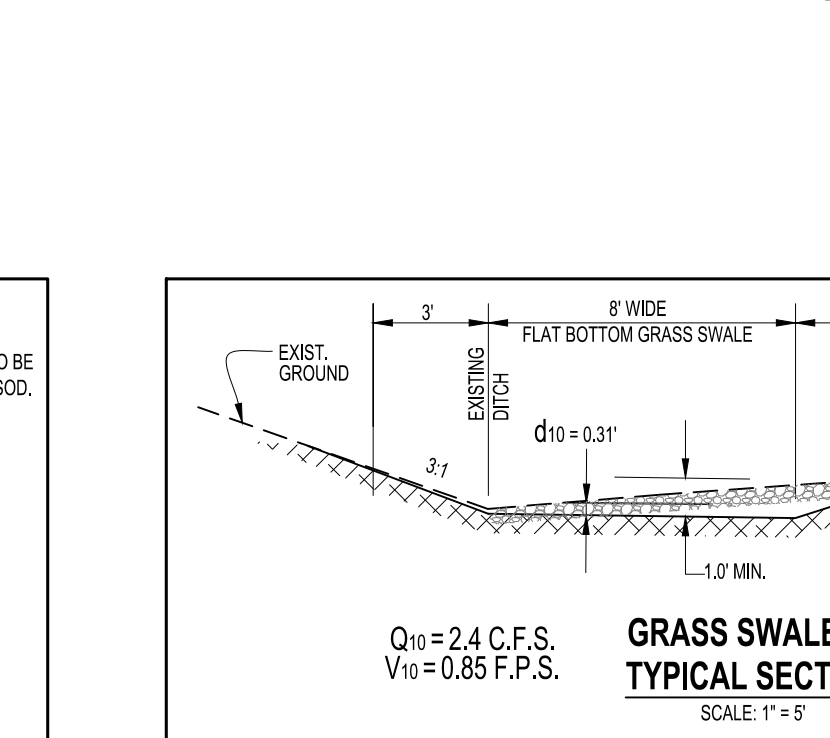
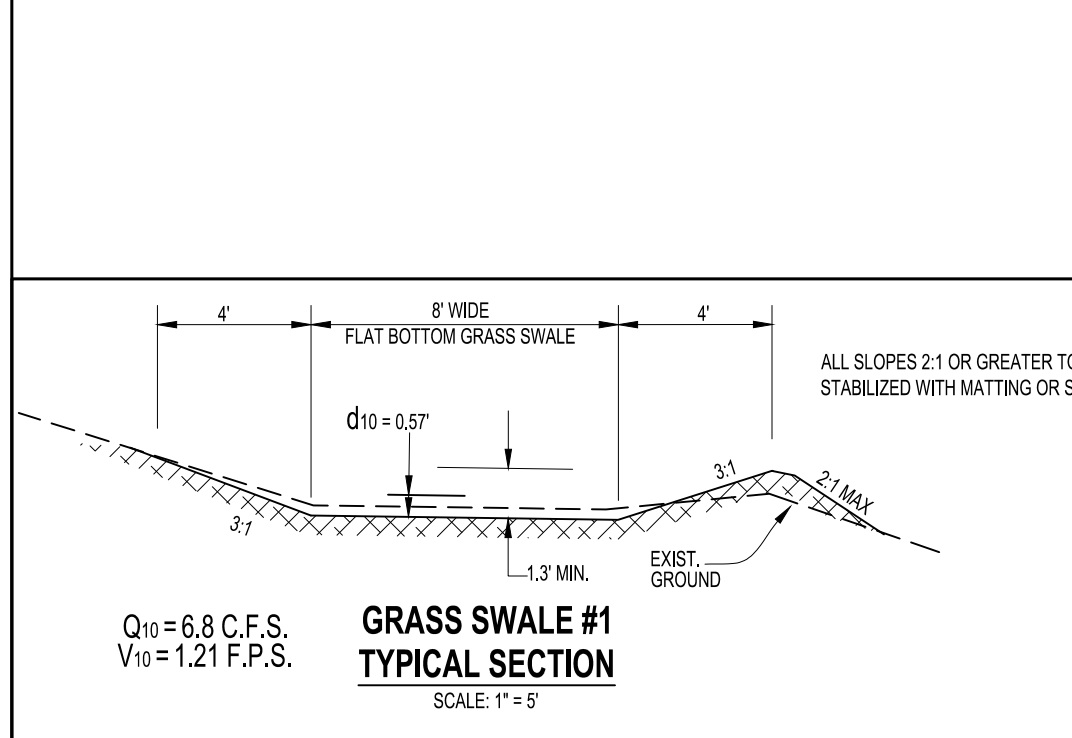
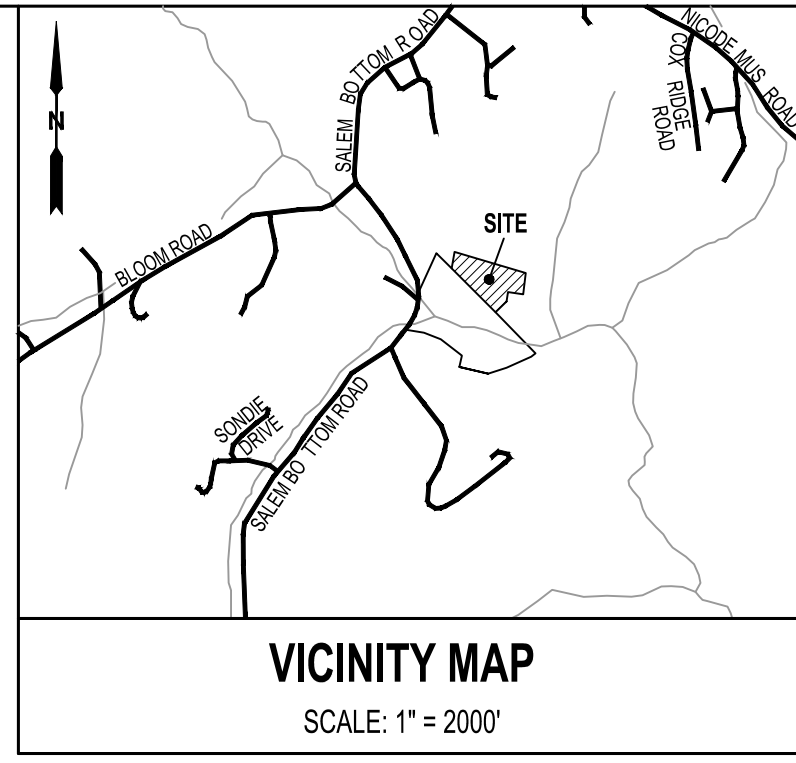
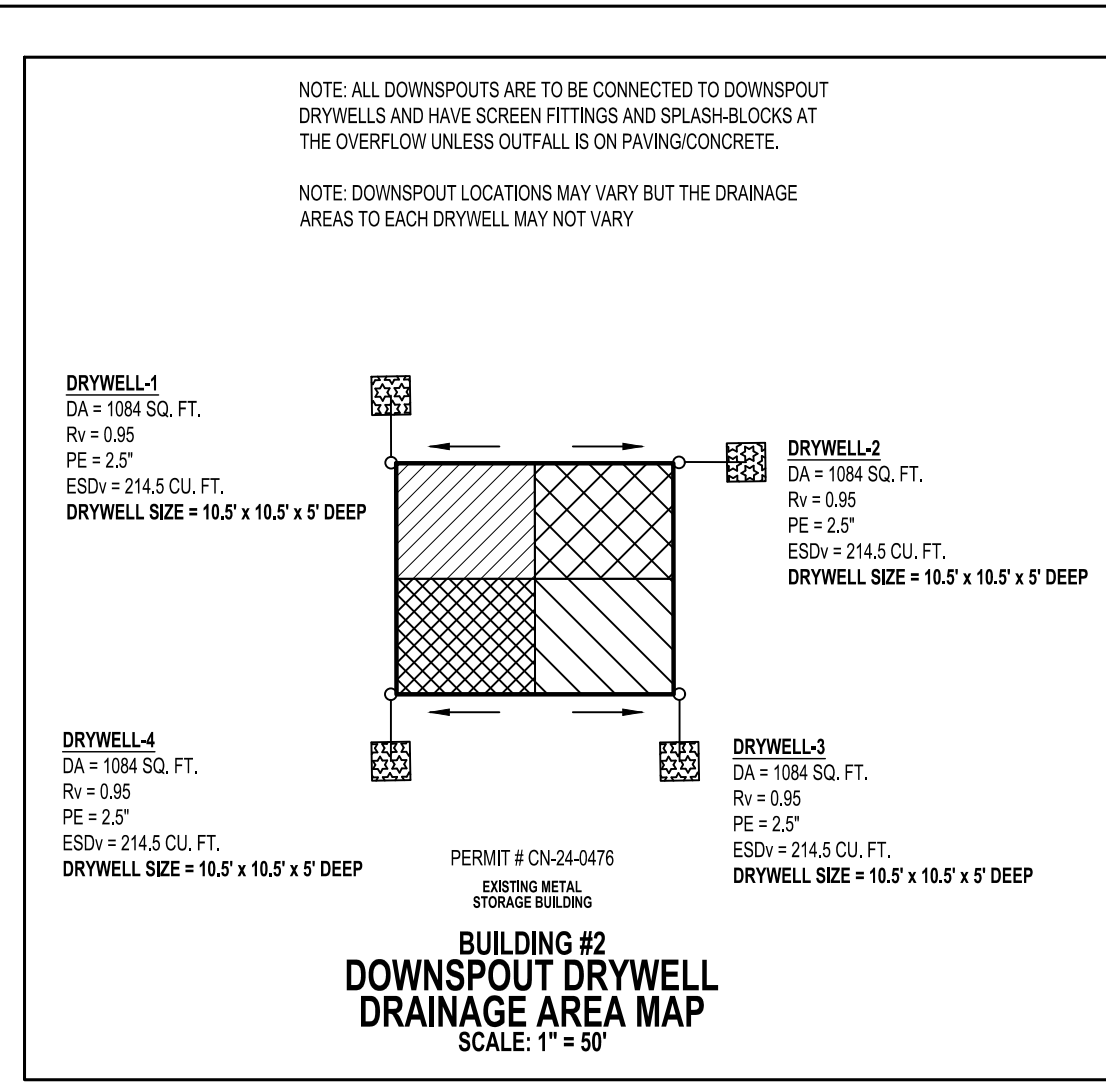
BUILDING #2

INSPECTION CHART FOR DRYWELL INSTALLATION (M-8)

STAGE	INSPECTORS DRYWELL APPROVAL #1	INSPECTORS DRYWELL APPROVAL #2	INSPECTORS DRYWELL APPROVAL #3	INSPECTORS DRYWELL APPROVAL #4	
INITIALS	DATE	INITIALS	DATE	INITIALS	DATE
1. INDIVIDUAL HOUSE HAS BEEN CONSTRUCTED AND FINAL GRADING IS COMPLETE. EXCAVATE TO REQUIRED SIZE & LOCATION					
2. PLACEMENT OF SAND & INSTALL GEOTEXTILE FABRIC ON SIDES					
3. INSTALL FOOT PLATE, 4" PVC AND WASHED NO. 2 STONE					
4. WRAP TOP OF STONE WITH GEOTEXTILE FABRIC & BACKFILL					
5. INSTALL & CONNECT DOWNSPOUTS TO FACILITY WITH SCREEN FITTINGS AND SPLASH BLOCKS AT OVERFLOWS					

STORMWATER MANAGEMENT SEQUENCE OF CONSTRUCTION - DOWNSPOUT DRYWELLS

- CONTACT THE CERTIFYING PROFESSIONAL ENGINEER/PROFESSIONAL LAND SURVEYOR (JOHN E. LEMMERMAN, RTF ASSOCIATES, INC. 410-848-2040) A MINIMUM OF 24 HOURS PRIOR EXCAVATION OF DRYWELLS TO INSPECT EXCAVATION SIZE AND LOCATION. HAVE ALL MATERIALS ON SITE.
- ONCE INDIVIDUAL HOUSE IS FINAL GRADED, EXCAVATE DRYWELL TO REQUIRED SIZE AND LOCATION.
- ONCE SIZE AND LOCATION IS VERIFIED BY CERTIFYING PROFESSIONAL, INSTALL FOOTPLATE, GEOTEXTILE FABRIC ON TOP & SIDES ONLY, SAND AND STONE. WHILE CERTIFYING PROFESSIONAL IS ON SITE.
- ONCE ALL DOWNSPOUTS ARE CONNECTED, HAVE SCREEN FITTINGS AND SPLASH BLOCKS DOWN AT ALL OVERFLOWS, CONTACT CERTIFYING PROFESSIONAL FOR FINAL INSPECTION.
- SUBMIT AS-BUILT CERTIFICATION FOR BOND RELEASE.



INSPECTION CHART FOR GRASS SWALE #1 (M-8)

STAGE	INSPECTORS	APPROVAL
INITIALS	DATE	
1. GRASS CHANNEL STAKED OUT PER PLAN LINE AND GRADE		
2. SWALE BOTTOM, SIDES AND UPPER DIVERSION BERM EXCAVATED TO SUBGRADE		
3. PLACEMENT OF 3" TOPSOIL, SEED & MULCH OR STABILIZATION MATTING IN GRASS SWALE		
4. ALL VEGETATED DISTURBED AREAS ARE STABILIZED WITH A 2" STAND OF GRASS		
5. SIGNED AND CERTIFIED AS-BUILT SUBMITTED TO THE CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT		

INSPECTION CHART FOR GRASS SWALE #2 (M-8)

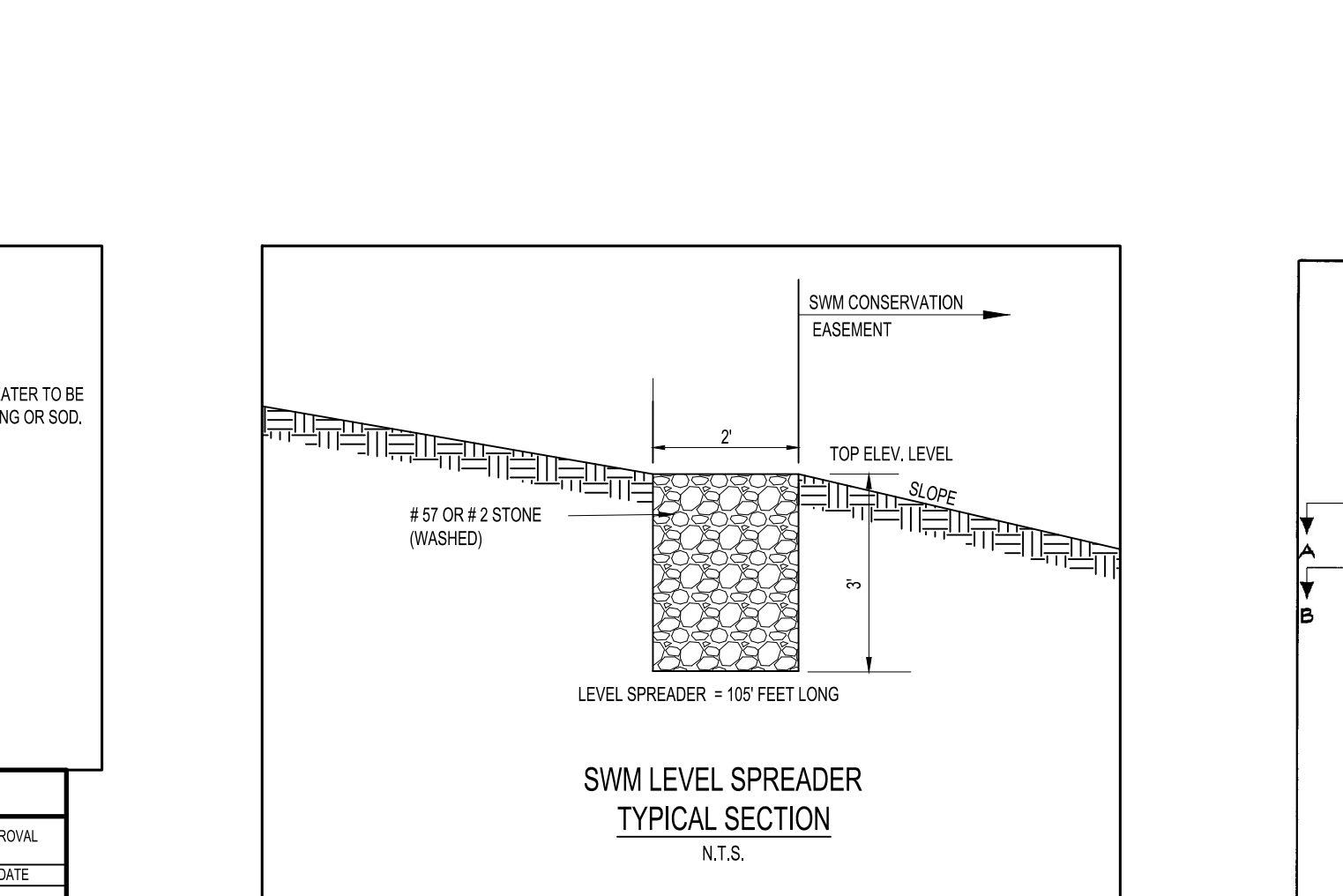
STAGE	INSPECTORS	APPROVAL
INITIALS	DATE	
1. GRASS CHANNEL STAKED OUT PER PLAN LINE AND GRADE		
2. SWALE BOTTOM, SIDES AND UPPER DIVERSION BERM EXCAVATED TO SUBGRADE		
3. PLACEMENT OF 3" TOPSOIL, SEED & MULCH OR STABILIZATION MATTING IN GRASS SWALE		
4. ALL VEGETATED DISTURBED AREAS ARE STABILIZED WITH A 2" STAND OF GRASS		
5. SIGNED AND CERTIFIED AS-BUILT SUBMITTED TO THE CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT		

INSPECTION CHART FOR GRASS SWALE #3 (M-8)

STAGE	INSPECTORS	APPROVAL
INITIALS	DATE	
1. GRASS CHANNEL STAKED OUT PER PLAN LINE AND GRADE		
2. SWALE BOTTOM, SIDES AND UPPER DIVERSION BERM EXCAVATED TO SUBGRADE		
3. PLACEMENT OF 3" TOPSOIL, SEED & MULCH OR STABILIZATION MATTING IN GRASS SWALE		
4. ALL VEGETATED DISTURBED AREAS ARE STABILIZED WITH A 2" STAND OF GRASS		
5. SIGNED AND CERTIFIED AS-BUILT SUBMITTED TO THE CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT		

(M-8) GRASS SWALE - STORMWATER MANAGEMENT SEQUENCE OF CONSTRUCTION

- REQUEST STAKEOUT
- CONTACT THE CERTIFYING PROFESSIONAL ENGINEER/PROFESSIONAL LAND SURVEYOR (JOHN E. LEMMERMAN, RTF ASSOCIATES, INC. 410-848-2040) A MINIMUM OF 24 HOURS PRIOR EXCAVATION OF GRASS SWALE TO INSPECT EXCAVATION SIZE AND LOCATION.
- EXCAVATE THE SWALE AND DIVERSION BERM TO APPROVED PLAN SUBGRADE.
- PLACE 3" TOPSOIL ON SWALE BOTTOM AND SIDE SLOPES AND STABILIZE WITH PERMANENT GRASS SEED OR MULCH.
- ONCE THE ENTIRE DRAINAGE AREA TO THE GRASS CHANNEL IS STABILIZED WITH PAVEMENT OR 2" STAND OF GRASS, SUBMIT AN AS-BUILT CERTIFICATION TO THE CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT FOR BOND RELEASE.

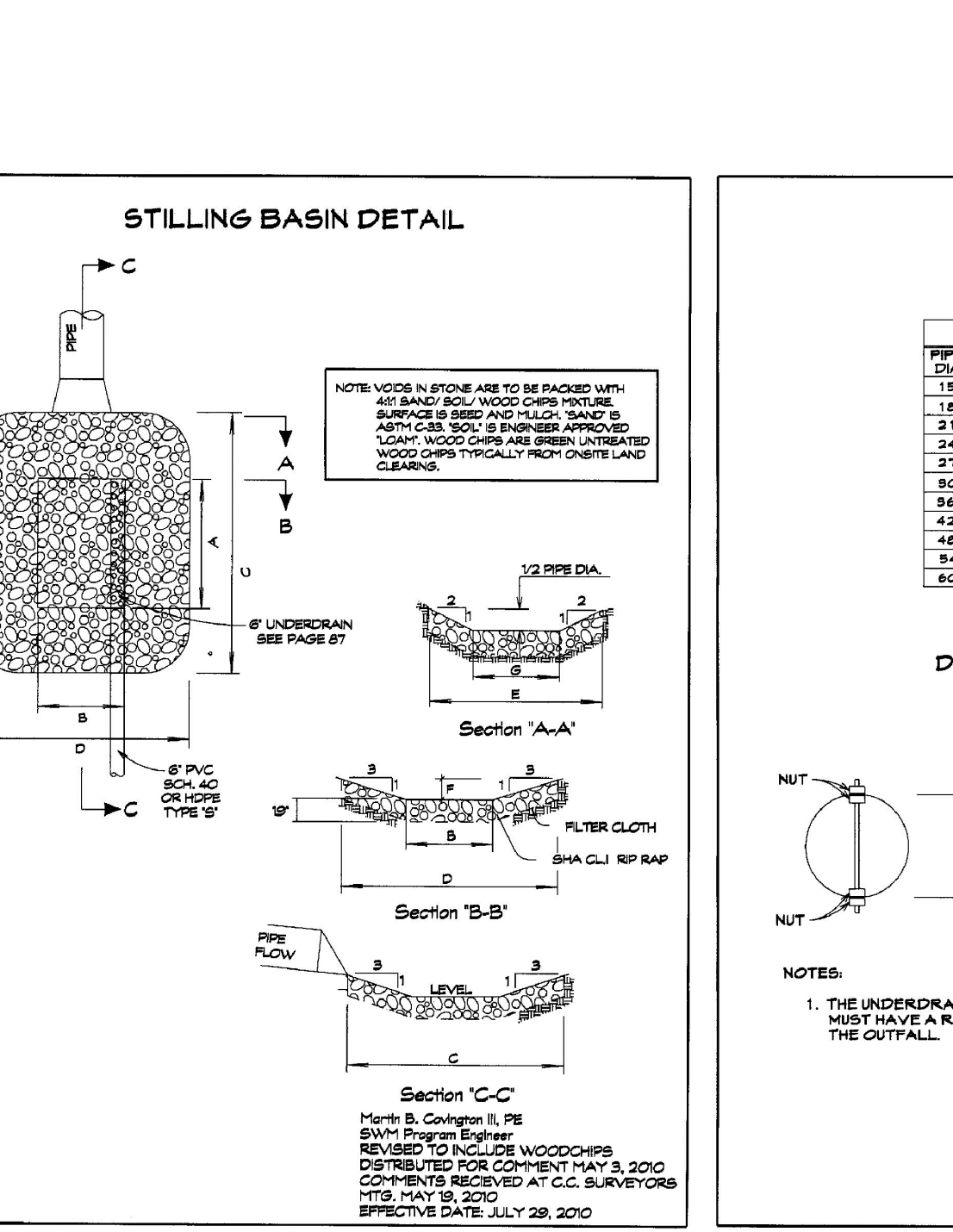


INSPECTION CHART FOR LEVEL SPREADER INSTALLATION

STAGE	INSPECTORS	APPROVAL
INITIALS	DATE	
1. VERIFY DRAINAGE AREA TO LEVEL SPREADER IS STABILIZED WITH A VEGETATION OR A 2" STAND OF GRASS		
2. EXCAVATE LEVEL SPREADER TO THE REQUIRED SIZE/LOCATION		
3. INSTALL STONE		
4. REMOVE/STABILIZE EXCESS MATERIAL		
5. SUBMIT SWM AS-BUILT CERTIFICATION FOR BOND RELEASE		

STORMWATER MANAGEMENT SEQUENCE OF CONSTRUCTION - LEVEL SPREADER

- CONTACT THE CERTIFYING PROFESSIONAL ENGINEER/PROFESSIONAL LAND SURVEYOR (JOHN E. LEMMERMAN, RTF ASSOCIATES, INC. 410-848-2040) A MINIMUM OF 24 HOURS PRIOR EXCAVATION OF DRYWELLS TO INSPECT EXCAVATION SIZE AND LOCATION. HAVE ALL MATERIALS ON SITE.
- ONCE DRAINAGE AREA TO LEVEL SPREADER IS STABILIZED WITH VEGETATION OR IF PREVIOUSLY DISTURBED, A 2" STAND OF GRASS, EXCAVATE LEVEL SPREADER TO THE REQUIRED SIZE AND LOCATION.
- ONCE SIZE AND LOCATION IS VERIFIED BY CERTIFYING PROFESSIONAL, INSTALL STONE WHILE CERTIFYING PROFESSIONAL IS ON SITE.
- ONCE ALL EXCESS MATERIAL IS REMOVED OR STABILIZED, CONTACT CERTIFYING PROFESSIONAL FOR FINAL INSPECTION.
- SUBMIT AS-BUILT CERTIFICATION FOR BOND RELEASE.



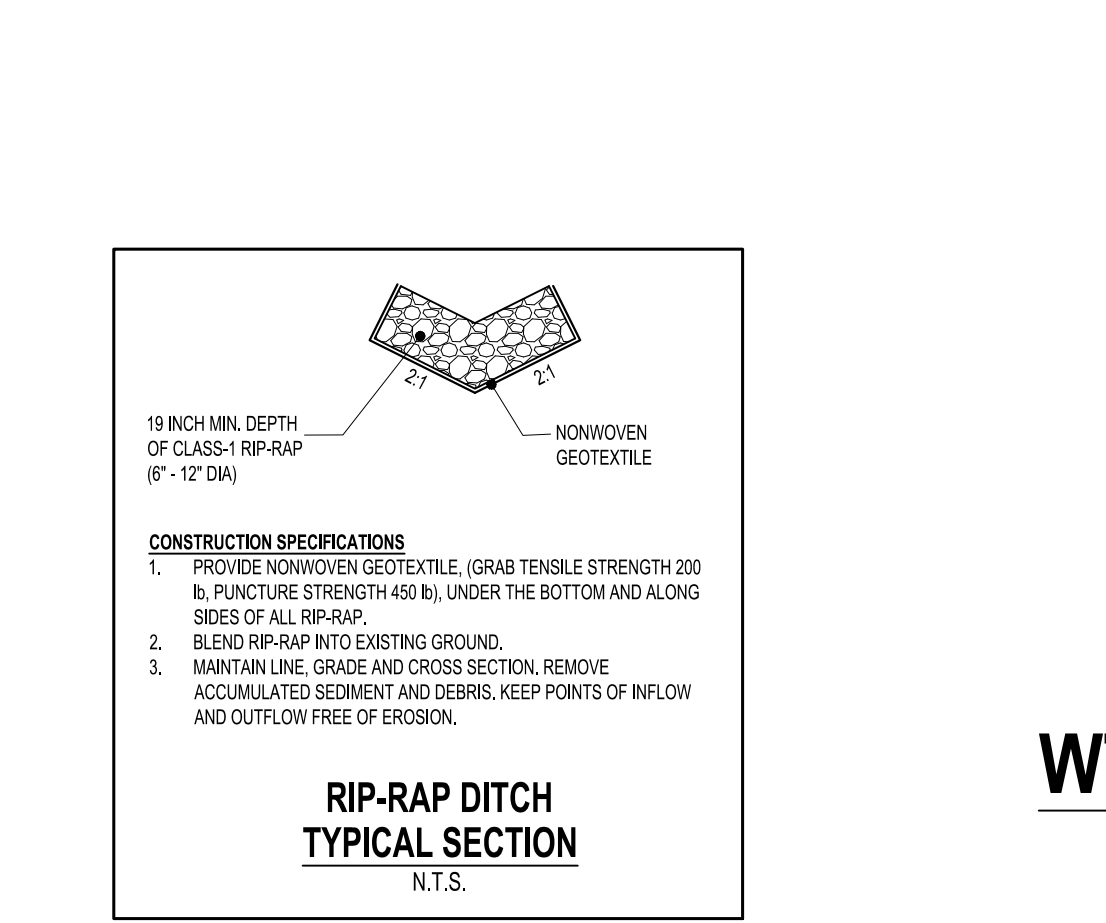
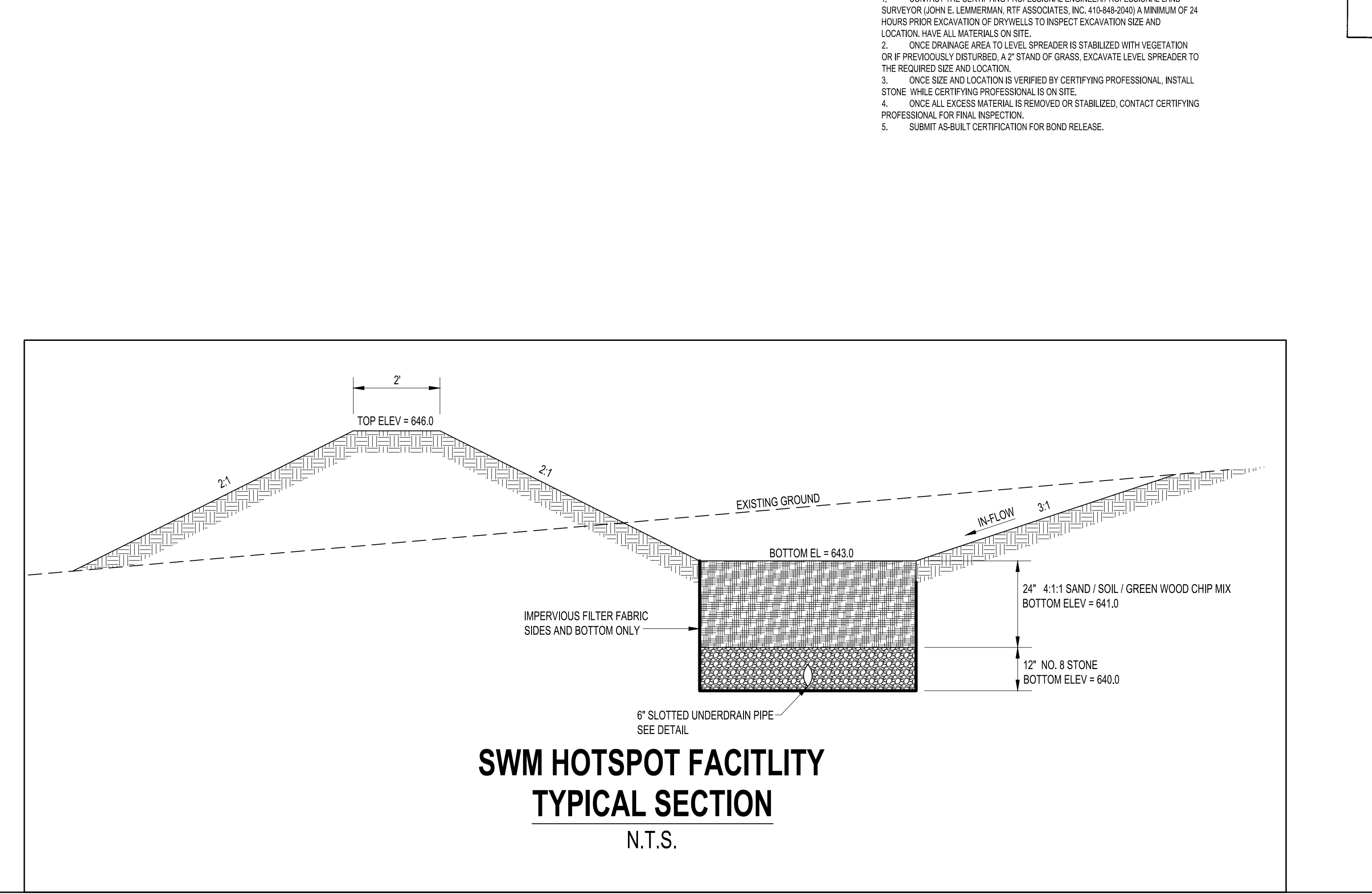
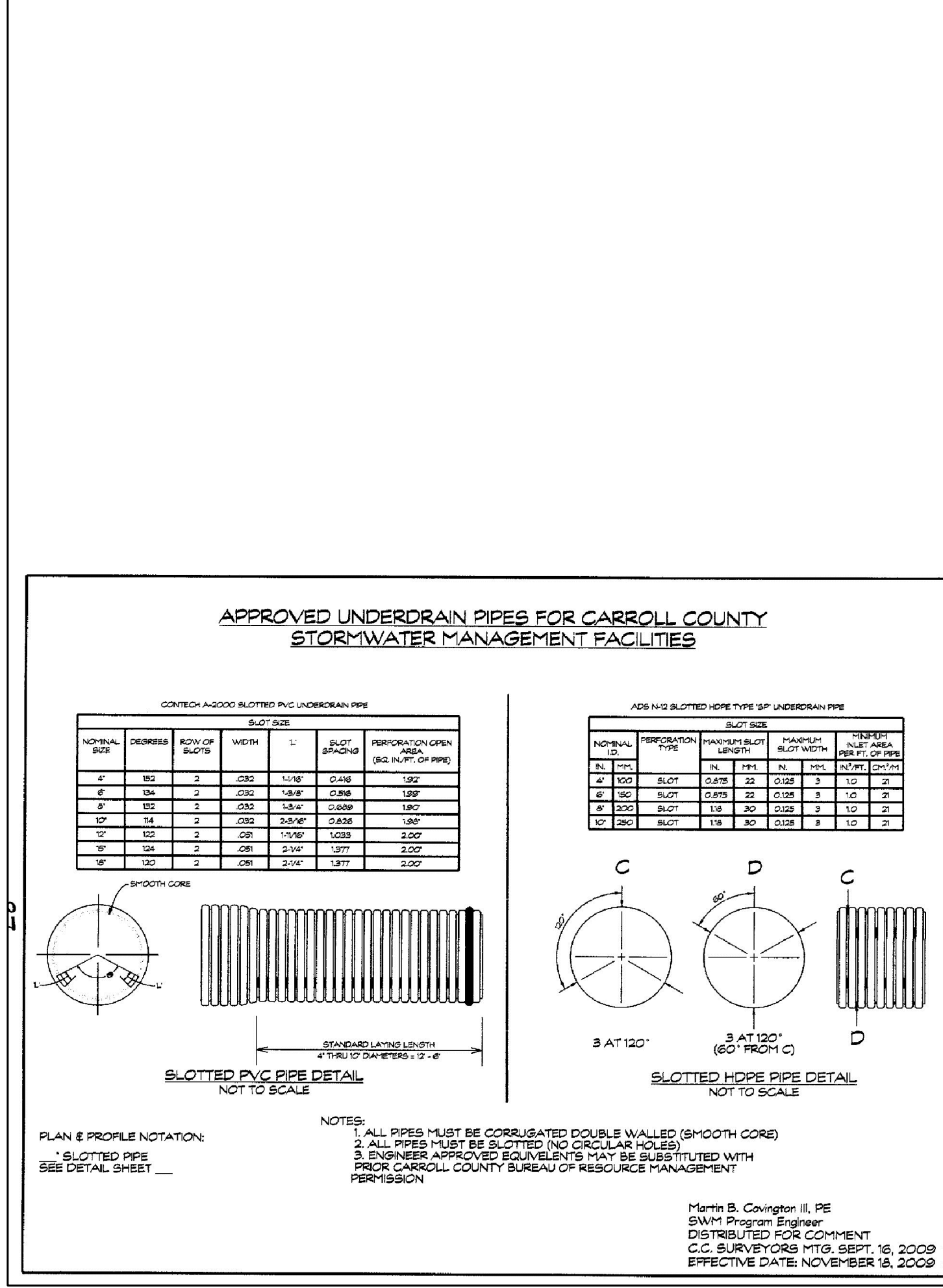
STILLING BASIN DETAIL

BASIN DIMENSIONS

PIPE DIA.	18"	24"	30"	36"	42"	48"	54"	60"
18"	8.18	2.82	1.82	0.82	0.418	0.209	0.104	0.052
24"	10.82	3.82	2.82	1.82	0.82	0.418	0.209	0.104
30"	13.46	4.82	3.82	2.82	1.82	0.82	0.418	0.209
36"	16.10	5.82	4.82	3.82	2.82	1.82	0.82	0.418
42"	18.74	6.82	5.82	4.82	3.82	2.82	1.82	0.82
48"	21.38	7.82	6.82	5.82	4.82	3.82	2.82	1.82
54"	24.02	8.82	7.82	6.82	5.82	4.82	3.82	2.82
60"	26.66	9.82	8.82	7.82	6.82	5.82	4.82	3.82

DETAIL A - RODENT GUARD

1. THE UNDERDRAIN, WHERE IT DISCHARGES ONTO THE GROUND, MUST HAVE A RODENT GUARD AND A SPLASH BLOCK TO PROTECT THE CUTFALL.



STORMWATER MANAGEMENT DETAILS FOR CONTRACTOR EQUIPMENT STORAGE YARD

WTC CONTRACTORS, INC.
3033 SALEM BOTTOM ROAD
9TH ELECTION DISTRICT, CARROLL CO. MD
TAX MAP: 57, GRID: 17, PARCEL: 138

EXISTING USE = CONTRACTOR'S EQUIPMENT STORAGE YARD
PROPOSED USE = CONTRACTOR'S EQUIPMENT STORAGE YARD

OWNER/DEVELOPER
WALTER T. COON, JR.
THERESA A. COON
3033 SALEM BOTTOM ROAD
WESTMINSTER, MD 21157
410-875-4771

REVISIONS

DATE	REASON

RTF associates, Inc.
LAND SURVEYORS & PLANNERS

142 EAST MAIN STREET WESTMINSTER, MD 21157
410-848-2040
WWW.RTFSURVEYING.COM

CHECKED BY: _____ DATE: _____
DRAWN BY: _____ AR _____ DATE: _____
SCALE: 1" = 50'

RTF JOB#: 18-50 COUNTY FILE#: S-24-0001 SHEET: 4 OF 4