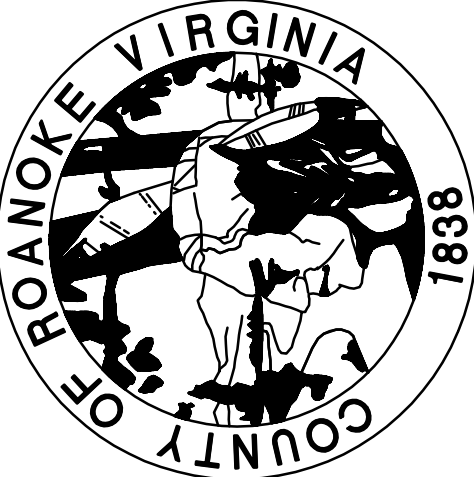




GENERAL NOTES

PRE-CONSTRUCTION MEETING AND CONSTRUCTION COMMENCEMENT:

- All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County, the Western Virginia Water Authority, and the Virginia Department of Transportation.
- Stormwater Management Agreements with an attached 8 1/2" x 11" or 8 1/2" x 14" plat must be approved and recorded prior to the pre-construction meeting.
- Once all required items are submitted to the County of Roanoke, the developer must contact the Development Review Coordinator to indicate that a pre-construction meeting needs to be scheduled. The pre-construction meeting will be scheduled with the owner/developer two (2) working days later.
- All land disturbing projects that require approval of an erosion and sediment control plan, grading or clearing permit shall require that the applicant provide the name of an individual who will be responsible for land disturbing activities and that this individual shall be present at the pre-construction meeting. The project engineer shall be responsible for Environmental Quality. The Responsible Land Disturber can be anyone from the Project team that is certified by the Commonwealth of Virginia to be in charge of carrying out the land disturbing activity for the project.
- It is the responsibility of the owner/developer to notify the certified Responsible Land Disturber and the Utility Contractor to attend the pre-construction meeting.
- The Development Review Coordinator will schedule the pre-construction meeting with the owner/developer, the Virginia Department of Transportation, the Virginia Water Authority and the Town of Vinton Public Works Department if applicable.
- An approved set of plans, Storm Water Pollution Prevention Plan (SWPPP), VSNMP and coverage letter, and all permits must be available at the construction site at all times.
- The developer and/or contractor shall supply all utility companies with copies of approved plans, advising them that all grading and installation shall conform to approved plans.
- The project engineer will inform the owner/developer verbally and in writing of the County's obligation to perform inspections. Everyone in the meeting will be responsible for providing the project engineer with the necessary information and the County's obligation to perform inspections on site.
- The Erosion Control Permit or Combined Erosion Control & VSNMP Permit is given to the developer at the pre-construction meeting.
- Notify the County of Roanoke prior to beginning installation of ESC measures. The County will inspect the site and provide assistance with approved plans prior to starting any grading. The developer SHALL contact the Project Inspector 24 hours before beginning any grading or construction on the property.
- County inspectors must inspect storm drain / stormwater management / BMP at the process of installation. Please contact the site inspector 24 hours in advance.
- All work shall be subject to inspection by Roanoke County, the Western Virginia Water Authority and the Virginia Department of Transportation inspectors.
- Contractors shall notify utilities of proposed construction at least two (2), but not more than seven (7) working days in advance. Area public utilities may be notified thru Miss Utility: 1-800-552-7001 or VA 811.
- The 100 year Floodway shall be staked prior to any construction.
- Grade stakes shall be set for all curb and gutter, culvert, sanitary sewer and storm sewer at all times of construction.
- The Department of Community Development shall be notified when a spring is encountered during construction.
- Construction debris shall be containerized in accordance with the Virginia Litter Control Act. No less than one litter receptacle shall be provided on site.
- The contractor shall provide adequate means of cleaning mud from trucks and/or other equipment prior to entering public streets or rights of ways. It is the contractors responsibility to insure that the streets are in a clean, mud and dust free condition at all times.
- Plan approval in no way relieves the developer or contractors of the responsibilities contained within the erosion and sediment control or stormwater management policies.
- Field construction shall honor proposed drainage divides as shown on plans.
- Field corrections shall be approved by the Roanoke County Engineering Division and/or the Western Virginia Water Authority and the Professional of Record, prior to such construction.
- The developer or contractor shall supply the County and the Western Virginia Water Authority with correct As-Built plans before final acceptance.

VIRGINIA DEPARTMENT OF TRANSPORTATION:

- Plan approval by Roanoke County does not guarantee issuance of any permits by the Virginia Department of Transportation.
- A permit must be obtained from the Virginia Department of Transportation, Salem Residency Office prior to construction in the highway right-of-way.
- The preliminary pavement designs should be based on a predicted sub-grade CBR value of 7.0 and with a Resiliency Factor (RF) of 2.0 as shown in Appendix I of the Virginia Department of Transportation (VDOT) Design Guide for Subdivision and Roadway Construction. The design shall be based on the results of a laboratory and the results submitted to the Virginia Department of Transportation prior to base construction. Should the sub-grade CBR value and/or the RF value be less than the predicted values, additional base material will be required in accordance with Departmental specifications. Refer to the same manual as the number and locations of the required soil samples to be tested. All pavement designs shall be submitted to the Department for review and approval. The sub-grade shall be approved by the Virginia Department of Transportation prior to placement of the base. Base shall be approved by the Virginia Department of Transportation for depth, template, and compaction before the surface is applied.
- Standard MASH guardrail with safety end sections may be required on fills or in areas where hazards exist as deemed necessary. After completion of rough grading operations, the Virginia Department of Transportation shall be notified and the guardrail shall be installed by the contractor. When MASH guardrail is installed, the subgrade shall be protected and the MASH guardrail shall be installed in accordance with the 2016 VDOT Road and Bridge Standards as part of this development.
- Standard street and traffic control signs shall be erected at each intersection by the developer prior to final street acceptance.
- All traffic control devices shall be in accordance with current edition of the "Manual on Uniform Traffic Control Devices" (MUTCD).
- All unsuitable material shall be removed from the construction limits of the roadway before placing unbankment.

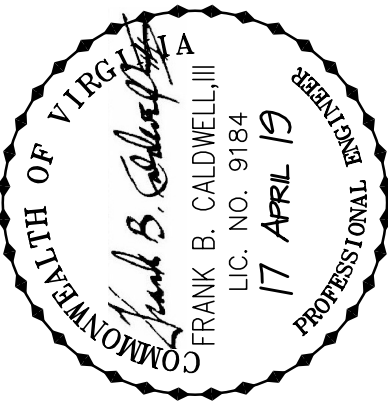
THE NOTES LISTED ABOVE ARE STANDARD COUNTY OF ROANOKE ITEMS AND MAY OR MAY NOT BE NECESSARY FOR THIS PROJECT. ANY QUESTIONS SHALL BE DIRECTED TO THE COUNTY PRIOR TO BIDDING AND/OR CONSTRUCTION.

See Sheet N/A for Stormwater Site Statistics Table.
See Sheet N/A for New BMP Information Table.

The Project Engineer shall provide electronic copies of the approved plans to the Development Review Coordinator within 5 working days of the pre-construction meeting.
The notes on this sheet shall not be modified.

COUNTY OF ROANOKE, VA

Designed:..... F.B.Caldwell
Drawn:..... J.V.Judy
Checked:..... F.B.Caldwell
Date:..... 03/29/19
N.B. No.:..... CH-15
W.O. No.:..... 18-0078



Revisions
#1..... 04/17/2019
PER COUNTY OF ROANOKE
1ST REVIEW

2nd REVIEW

Date Stamp

Approval Stamp

DEMOLITION PLAN
COUNTY OF ROANOKE
4354 & 4360 TODDSBURY LANE
VA. SEC. RTE. 1082
ROANOKE COUNTY, VIRGINIA

Caldwell White Associates
ENGINEERS / SURVEYORS / PLANNERS
4203 MELROSE AVENUE, N.W.
P.O. BOX 6260
ROANOKE, VIRGINIA 24017
(540) 366-3400
EMAIL: CWAR@AOL.COM

SHEET

C-1

QUANTITY & COST ESTIMATE					
ITEM	QUANTITY	UNIT	UNIT PRICE	COST	BONDABLE
CLEANING AND GRUBBING		AC			
EXCAVATION		C.Y.			
EMBANKMENT		C.Y.			
CURB INLET DI-		EA			
CURB INLET DI-		EA			
MANHOLE MH-		EA			
-IN- CONCRETE PIPEL CLASS III		LF			
-IN- CONCRETE PIPEL CLASS IV		LF			
-IN- C.M. CULVERT		LF			
-IN- C.M. CULVERT		LF			
BOX CULVERT		LS			
PAVED SWALE		LF			
RIPRAP - CLASS		SF			
PERMANENT GRASS SWALE		LS			
-IN- CONCRETE ENDWALL EW-		EA			
-IN- END SECTION ES-		EA			
HEADER CURB & GUTTER CG-		LF			
CURB & GUTTER CG-		EA			
VALLEY GUTTER		SY			
GRAVEL BASE		SY			
GRAVEL SHOULDER		SY			
SURFACE TREATMENT		SY			
-IN BIT CONC. TYPE B-		SY			
-IN BIT CONC. TYPE S-		SY			
-IN BASE MATERIAL		C.Y.			
-IN SUBBASE MATERIAL		C.Y.			
TRAFFIC BARRICADE		EA			
8" WATER LINE		LF			
8" WATER LINE		LF			
FIRE HYDRANT ASSEMBLIES		EA			
BLOW OFFS W/ VALVT, FRAME & COVER		EA			
-IN GATE VALVES, W/ VALVT, FRAME & COVER		EA			
-IN GATE VALVES, W/ VALVT, FRAME & COVER		EA			
8" SANITARY SEWER		LF			
STANDARD MANHOLE W/FRAME & COVER		EA			
SAMPLING MANHOLE/PORT		EA			
LANDSCAPING		LS			
AMENITIES (INCLUDING BUT NOT LIMITED TO TRAILS, ETC.,)		LS			
STORMWATER MANAGEMENT		LS			
AS-BUILT PLANS (STORM SEWER SYSTEMS)		LS			
AS-BUILT PLANS (STORMWATER MANAGEMENT)		LS			
10% CONTINGENT					
ESTIMATED TOTAL					

BY: _____ THE PLANS, THE DESIGN PROFESSIONAL HEREBY CERTIFIES THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT MARKET COSTS OF THIS PROJECT.

DEMOLITION PLAN

NAME OF DEVELOPMENT: VINTON

MAGISTERIAL DISTRICT(S):

OWNER: TIMOTHY J. TREITNER AND JULIE A. TREITNER
4354 & 4360 TODDSBURY LANE

DEVELOPER: COUNTY OF ROANOKE
DEPARTMENT OF COMMUNITY DEVELOPMENT
ROANOKE, VIRGINIA 24018
Attn: David Henderson PE – County Engineer
Tel: (540) 772-2083

ENGINEER: CALDWELL WHITE ASSOCIATES
P.O. BOX 6260
ROANOKE, VIRGINIA 24017
Attn: Frank Caldwell, III
Tel: (540) 366-3400

TAX MAP NO(S): 051.03--02--02.00 & 051.03--02--03.00

I, _____, OWNER/DEVELOPER, HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS AND THE THIRTY (30) POINTS SHOWN ON THIS COVER SHEET UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.

SEWER NOTES

All sanitary sewer facilities shall be installed according to the Western Virginia Regional Design and Construction Standards (Latest Edition).

A minimum cover of three (3) feet is required over proposed lines.

Contractor shall be responsible for locating and uncovering all manholes after paving. Manhole tops shall be adjusted to grade if necessary.

All existing utilities may not be shown in their exact location. The contractor shall comply with (State Water Works Regulations, Section 12VACS-580-1150, where lines cross.)

All trenches in existing or future right-of-way shall be compacted according to Virginia Department of Transportation standards.

Lines shall be staked prior to construction.

WATER NOTES

All water facilities shall be constructed according to the Western Virginia Regional Design and Construction Standards (Latest Edition).

A minimum cover of three (3) feet is required over proposed lines.

Contractor shall be responsible for locating and uncovering valve vaults after paving and adjustment to final grade if necessary.

All existing utilities may not be shown in their exact location. The contractor shall comply with the (State Water Works Regulations, Section 12VACS-580-1150, where lines cross.)

All trenches in existing or future highway right-of-ways shall be compacted according to Virginia Department of Transportation standards.

Lines shall be staked prior to construction.

Water main shall be minimum Class 350 Ductile Iron in accordance with AWWA C151 or DR-14 PVC in accordance with AWWA C-900.

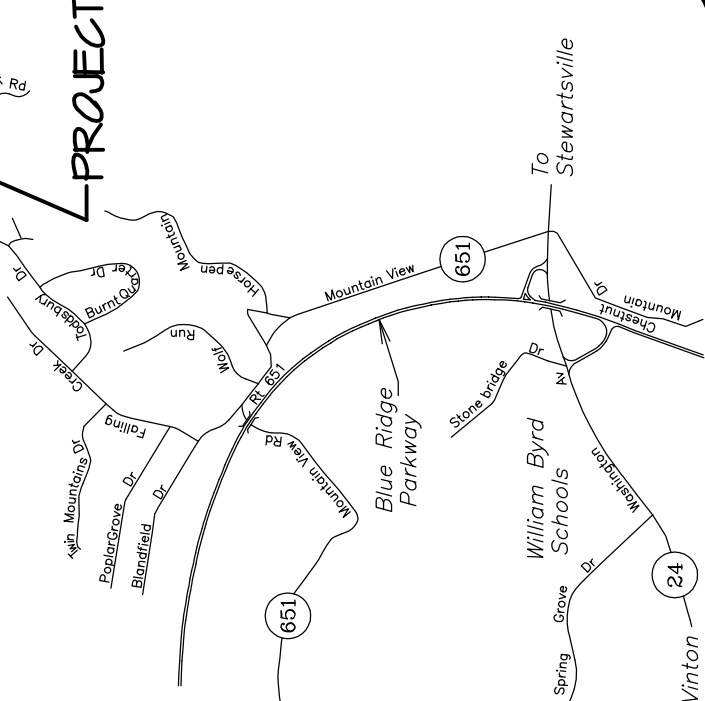
Ductile Iron Pipe in accordance with the Western Virginia Regional Design and Construction Standards shall be required for all pipe with a working pressure equal to or greater than 100 p.s.i.

Western Virginia Water Authority
Availability letter number: N/A

PRIVATE UTILITIES

Underground utilities installed on private property or in private utility easements and building related storm drains shall be designed and installed per the current edition of the Virginia Uniform Statewide Building Code. Design and installation of private utilities shall be the responsibility of the owner/developer. The USBC requirements are acceptable for private utilities. All private utilities are to be permitted through and inspected by the Roanoke County Inspections Office. Vaults, valves and other devices installed by or under the control of the Western Virginia Water Authority may not be substituted for the code required devices.

VICINITY MAP



SHEET INDEX

SHEET	TITLE
C-1	COVER SHEET
C-2	TOPOGRAPHIC SURVEY
C-3	DEMOLITION PLAN
C-4	PHASE 1 GRADING & E.S.C.
C-5	PHASE 2 GRADING & E.S.C.
C-6	EROSION & SEDIMENT CONTROL NOTES
C-7	EROSION & SEDIMENT CONTROL DETAILS

SURVEY INFORMATION

Horizontal and vertical control surveys were performed by year: 2018
By: CALDWELL WHITE ASSOCIATES

All vertical elevations must be referenced to the National Geodetic Vertical Datum of 1929 or 1988. All horizontal elevations must be referenced to the North American Datum of 1927 or 1983.

Horizontal Datum: PB 21, Pg. 20 Vertical Datum: ASSUMED

Source of topographic mapping is dated: NOV. 2018

Boundary was performed by: CALDWELL WHITE ASSOCIATES dated: NOV. 2018

Benchmark Information: SEE SHEET C-2 FOR LOCATION & DESCRIPTION

The professional seal and signature certifies the boundary survey and topographic mapping to be accurate and correct.

NOTES:

1. THIS PLAT WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT BY A LICENSED ATTORNEY. THERE MAY EXIST ENCUMBRANCES WHICH AFFECT THE PROPERTY NOT SHOWN HEREON.
2. THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X", AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL NO. 5116(CD)863, DATED SEPTEMBER 28, 2007.
3. LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD LOCATION OF VISIBLE UTILITIES, AVAILABLE RECORDS, AND AS LOCATED BY "UNDERGROUND LOCATOR SERVICE", TICKET # 4831000251. THERE MAY BE UTILITIES WHICH AFFECT THIS PROPERTY NOT SHOWN HEREON. CONTRACTOR SHALL CALL "MISS UTILITY" TO VERIFY LOCATION OF ANY UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION.
4. REFERENCE: PLAT SHOWING SECTION 8 FALLING CREEK ESTATES BY SLUSHER, SIMPKINS AND ASSOCIATES P.C., DATED MAY 9, 1998, LAST REVISED APRIL 1, 1998, RECORDED IN THE CLERK'S OFFICE OF THE CIRCUIT COURT OF ROANOKE COUNTY IN P.B. 21, PG. 20.
5. VERTICAL DATUM USED FOR THIS SURVEY WAS THE ROANOKE COUNTY GS CONTOUR LOCATION AT THE EASTERN INTERSECTION OF THE DRIVEWAY FOR 4354 TODDSBURY DR. AND THE EDGE OF PAVEMENT OF TODDSBURY DRIVE. ELEVATION SHOWN ON THE GS WAS 1650.00.

SURVEY CONTROL		
POINT	NORTHING	EASTING
1	5000.0000	1667.46
2	5042.4757	4804.3515
3	5318.6731	4900.7694
4	5163.5311	4784.1814

BENCHMARK # 1

TOP OF IRON PIN AT THE INTERSECTION OF DRIVEWAY AND EP OF TODDSBURY DRIVE
ELEVATION = 1650.00

BENCHMARK # 2

ARROWHEAD ON FIRE HYDRANT
ELEVATION = 1658.45

LEGEND

- 925.00 X SPOT ELEVATION
- SS SANITARY SEWER LINE
- 8" SD STORM DRAIN LINE
- GAS LINE
- WATERLINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- UT
- WATER METER
- FIRE HYDRANT
- SURVEY TRAVERSE POINT
- BENCHMARK
- ROANOKE COUNTY GS MINOR CONTOUR
- ROANOKE COUNTY GS MAJOR CONTOUR
- SURVEY MINOR CONTOUR
- SURVEY MAJOR CONTOUR

ABBREVIATIONS

- BIT = BITUMINOUS
- BW = BOTTOM OF WALL
- CONC = CONCRETE
- INVL = INVERT
- IPF = IRON PIN FOUND
- MH = MANHOLE
- MTL = METAL
- PVD = PAVED
- R/W = RIGHT OF WAY
- SD = STORM DRAIN
- SDMH = STORM DRAIN MANHOLE
- SEG = SEGMENTED
- SS = SANITARY SEWER
- SSMH = SANITARY SEWER MANHOLE
- SQ = SQUARE
- TW = TOP OF WALL
- TYP = TYPICAL

THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF FRANK B. CALDWELL III, L.S. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION. THE ORIGINAL DATA WAS OBTAINED BETWEEN NOVEMBER 6, 2018 AND NOVEMBER 13, 2018. THIS SURVEY, INCLUDING METADATA, MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

MERIDIAN OF PLAT SHOWING
SECTION 8 FALLING CREEK ESTATES
(P.B. 21, PG. 20)

CWA#4

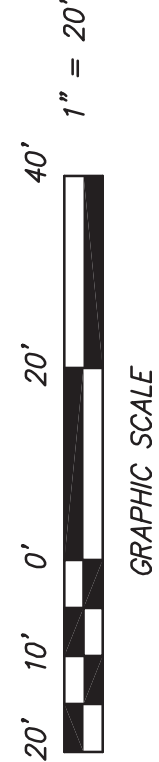
PROPERTY OF
DONALD R. JR. & REGINA M. PRUNTY
INSTRUMENT No. 201707375
LOT 1, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03-02-01.00

PROPERTY OF
TIMOTHY J. TRETINER AND JULIE F. CRAGHEAD
INSTRUMENT No. 200810280
LOT 2, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03-02-02.00

PROPERTY OF
JEFFREY A. & SUZANNE D. PERRY
INSTRUMENT No. 201709778
TRACT A (O.B. 240, PG. 154)
TAX No. 050.02-01-04.00

PROPERTY OF
TIMOTHY J. TRETINER AND JULIE A. TRETINER
INSTRUMENT No. 200916997
LOT 3, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03-02-03.00

PROPERTY OF
THOMAS M. & DELISA PASCOE FIGART
INSTRUMENT No. 200304818
LOT 4, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03-02-04.00

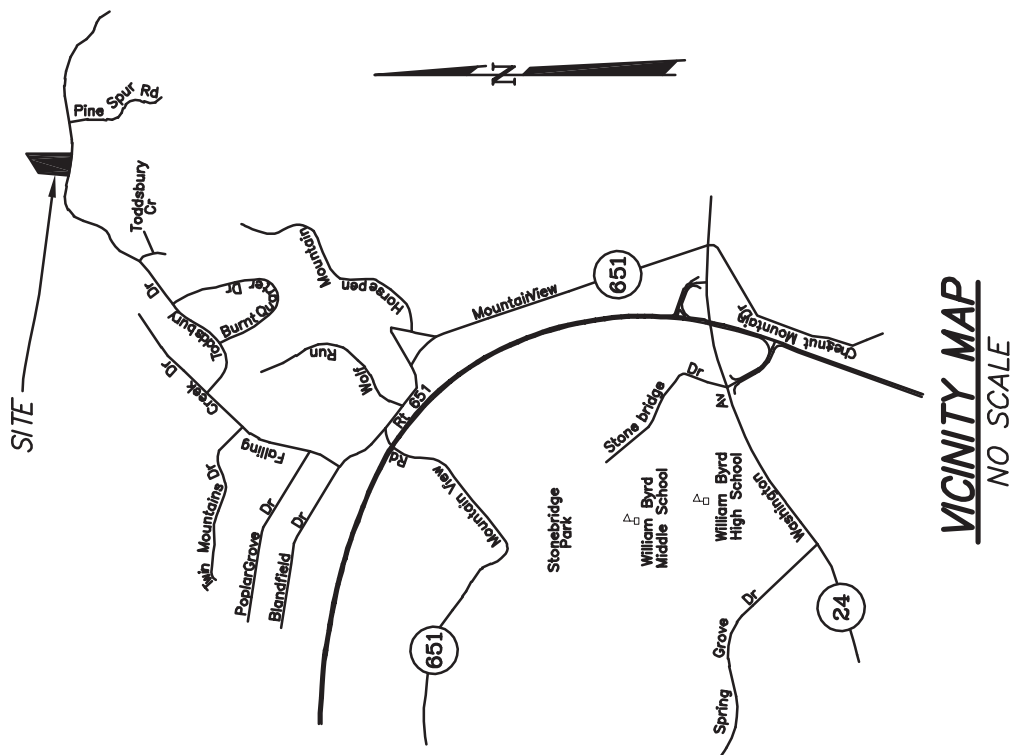


Drawn: C.L. Hurd
Checked: F.B. Caldwell
Date: NOV. 15, 2018
Scale: 1"=20'
51.03-2-3
Tax Parcel: 51.03-2-3
Field Book: CH-15
W.O.: 18-0078

CWA
CALDWELL WHITE ASSOCIATES
ENGINEERS / SURVEYORS / PLANNERS
4203 MELROSE AVENUE, N.W., P.O. BOX 8260
ALBUQUERQUE, NEW MEXICO 87110-8260
Telephone: (505) 386-3400 Fax: (505) 386-8708
E-Mail: cwhite@cwai.com

TOPOGRAPHICAL SURVEY
FOR
**ROANOKE COUNTY DEPARTMENT
OF COMMUNITY DEVELOPMENT**
SHOWING EXISTING SITE CONDITIONS

SITUATE AT 4354 & 4360 TODDSBURY DRIVE
COUNTY OF ROANOKE, VIRGINIA
WINTON MAGISTERIAL DISTRICT



VICINITY MAP
NO SCALE

DEMOLITION NOTES:

ALL REQUIRED PERMITS, FEES AND LICENSES SHALL BE SECURED AND PAID FOR BY THE GENERAL CONTRACTOR FROM ALL APPLICABLE AGENCIES PRIOR TO BEGINNING ANY CONSTRUCTION. G.C. SHALL OBTAIN A DEMOLITION PERMIT FROM THE COUNTY OF ROANOKE. DEPARTMENT OF COMMUNITY DEVELOPMENT. G.C. SHALL OBTAIN A LAND USE PERMIT(UP-A) FROM VDOT (Salim, Residencs). PRIOR TO BEGINNING ANY WORK OR INGRESS/EGRESS TO THE SITE WITHIN THE PUBLIC RIGHT-OF-WAY. G.C. SHALL ALSO BE RESPONSIBLE FOR ALL DISPOSAL CHARGES, ETC AS MAY BE REQUIRED.

THE LOCATION OF ANY UNDERGROUND STRUCTURES OR UTILITIES IDENTIFIED ON THE DRAWINGS ARE BASED ON TOPOGRAPHIC SURVEYS, AND AVAILABLE RECORDS. THE LOCATION, DEPTH AND COMPLETENESS ARE NOT CERTIFIED. THE G.C. IS RESPONSIBLE TO VERIFY THE LOCATION AND DEPTH FOR ANY UNDERGROUND STRUCTURES OR UTILITIES PRIOR TO DIGGING OR ANY CONSTRUCTION ACTIVITY IN THE VICINITY.

THE G.C. SHALL CONTACT "MISS UTILITIES OF VIRGINIA", AT 800-257-7777, (OR 811 LOCALLY) TO HAVE ANY UNDERGROUND CABLE, ELECTRIC, GAS, SANITARY SEWER, TELEPHONE OR WATER SERVICES LOCATED IN THE VICINITY OF ANY DIGGING.

DEMOLITION SHALL INCLUDE, UNLESS OTHERWISE NOTED ON THE DRAWINGS, REMOVAL OF EXISTING OBJECTS OR IMPROVEMENTS, WHETHER INDICATED ON THE DRAWINGS OR NOT, THAT WOULD IN THE OPINION OF THE OWNER, PREVENT OR INTERFERE WITH THE PROGRESS OR COMPLETION OF THE PROPOSED WORK. ALL EXISTING CURBING, CONCRETE SIDEWALK, ENTRANCES, BUILDING FOUNDATIONS AND TREES AND BRUSH, ETC THAT ARE DEMOLISHED SHALL BECOME PROPERTY OF THE G.C., UNLESS NOTED, AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT.

WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITIES IN DEMOLITION OF EXISTING PAVEMENT, CURBS AND GUTTERS, DRAINAGE STRUCTURES AND UTILITIES AS MAY BE REQUIRED.

CONTRACTOR SHALL SAW-CUT ALL JOINTS WHERE EXISTING CURBING, PAVEMENT, ETC. IS TO BE DEMOLISHED AND NEW CONSTRUCTION JOINS THE EXISTING.

CONTRACTOR SHALL COMPLETELY FILL ALL AREAS AND Voids FROM DEMOLITION AND OR REMOVAL OF STRUCTURES (UNDERGROUND FUEL STORAGE TANK, BASEMENTS, WELLS, ETC.) USING APPROVED, COMPACTED SELECT FILL MATERIAL. ALL DEMOLISHED MATERIAL, I.e PAVEMENT, CONCRETE, TREES, BUILDING MATERIAL, ETC. SHALL NOT BE USED AS FILL MATERIAL ON THE SITE.

AREAS DISTURBED OR DAMAGED, THAT WERE NOT IDENTIFIED ON THE PLANS, OR AREAS THAT ARE OUTSIDE THE LIMITS OF DISTURBANCE SHALL BE RESTORED, AT THE G.C.'s EXPENSE, TO THE SATISFACTION OF THE OWNERS.

CONTRACTOR SHALL PROVIDE THE FOLLOWINGS PROTECTIONS AT THE JOB SITE:

• MAKE ARRANGEMENTS, BEFORE INITIATING DEMOLITION, FOR RELOCATING, DISCONNECTION, REROUTING, ABANDONING, OR SIMILAR ACTION AS MAY BE REQUIRED, RELATIVE TO UTILITIES AND OTHER UNDERGROUND PIPING, TO PERMIT WORK TO PROCEED WITHOUT DELAY. ARRANGEMENTS SHALL BE MADE IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES OF THE UTILITIES MENTIONED, SUCH AS OVERHEAD AND UNDERGROUND POWER AND TELEPHONE LINES AND EQUIPMENT, GAS PIPING, STORM SEWERS, SANITARY SEWERS, OR WATER PIPING.

• CONTRACTOR SHALL NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING AND/OR POLLUTION.

• ENSURE SAFE PASSAGE OF PERSONS AROUND ALL AREAS OF DEMOLITION.

• CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS, STRUCTURES, OTHER FACILITIES, OR INJURY TO PERSONS.

• PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER.

• MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. PREVENT INTERRUPTION OF EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES AS ACCEPTABLE TO THE GOVERNING AUTHORITIES.

• USE WATER SPRINKLING AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN AIR TO LOWEST PRACTICAL LEVEL.

• COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

• CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITIONS EXISTING PRIOR TO THE START OF WORK.

IN CASE OF SPILLS:

ALL CHEMICAL OR OTHER HAZARDOUS SUBSTANCE SPILLS IN EXCESS OF REPORTABLE QUANTITIES, IN ACCORDANCE WITH PART III. OF THE PERMIT, WILL BE REPORTED TO THE NATIONAL RESPONSE CENTER, AT 1-800-424-8802. A SPILL IS DEFINED AS A DISCHARGE OF A LIQUID, SOLID, OR GASEOUS SUBSTANCE, OR A RELEASE OF A GASEOUS OR VOLATILE LIQUID, IN SUCH QUANTITY OF OIL IS DEFINED AS A DISCHARGE TO A SURFACE WATER THAT CAUSES A SHEEN, DISCOLORATION, AND/OR AN EMULSION. REPORTS WILL BE MADE TO THE FOLLOWING:

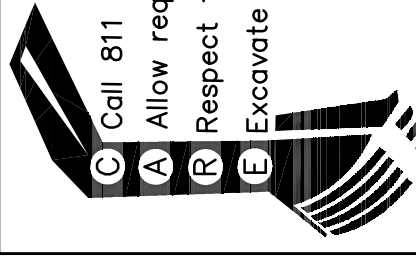
- DEQ BLUE RIDGE REGIONAL OFFICE
PHONE: (540) 562-6700
FAX: (540) 562-5725
FOR REPORTS OUTSIDE NORMAL WORKING HOURS, LEAVE A MESSAGE.

- VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT
EMERGENCY OPERATIONS CENTER (EOC)
PHONE: 1-(800) 468-8892

- COUNTY OF ROANOKE
DEPARTMENT OF COMMUNITY DEVELOPMENT
PHONE: (540) 772-2065

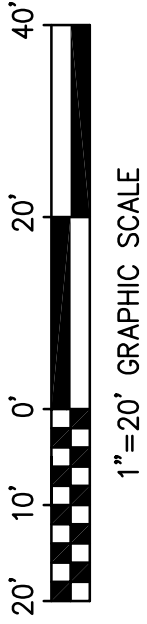
MATERIALS AND EQUIPMENT NECESSARY FOR OIL OR CHEMICAL SPILL CLEANUP WILL BE KEPT IN A TEMPORARY MATERIAL STORAGE TRAILER ONSITE. EQUIPMENT WILL INCLUDE, BUT NOT BE LIMITED TO: BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAW DUST, AND PLASTIC AND METAL TRASH CONTAINERS.

ALL OIL OR OTHER CHEMICAL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. SPILLS LARGE ENOUGH TO REACH THE STORM SEWERS WILL BE REPORTED TO THE NATIONAL RESPONSE CENTER, AT 1-800-424-8802.



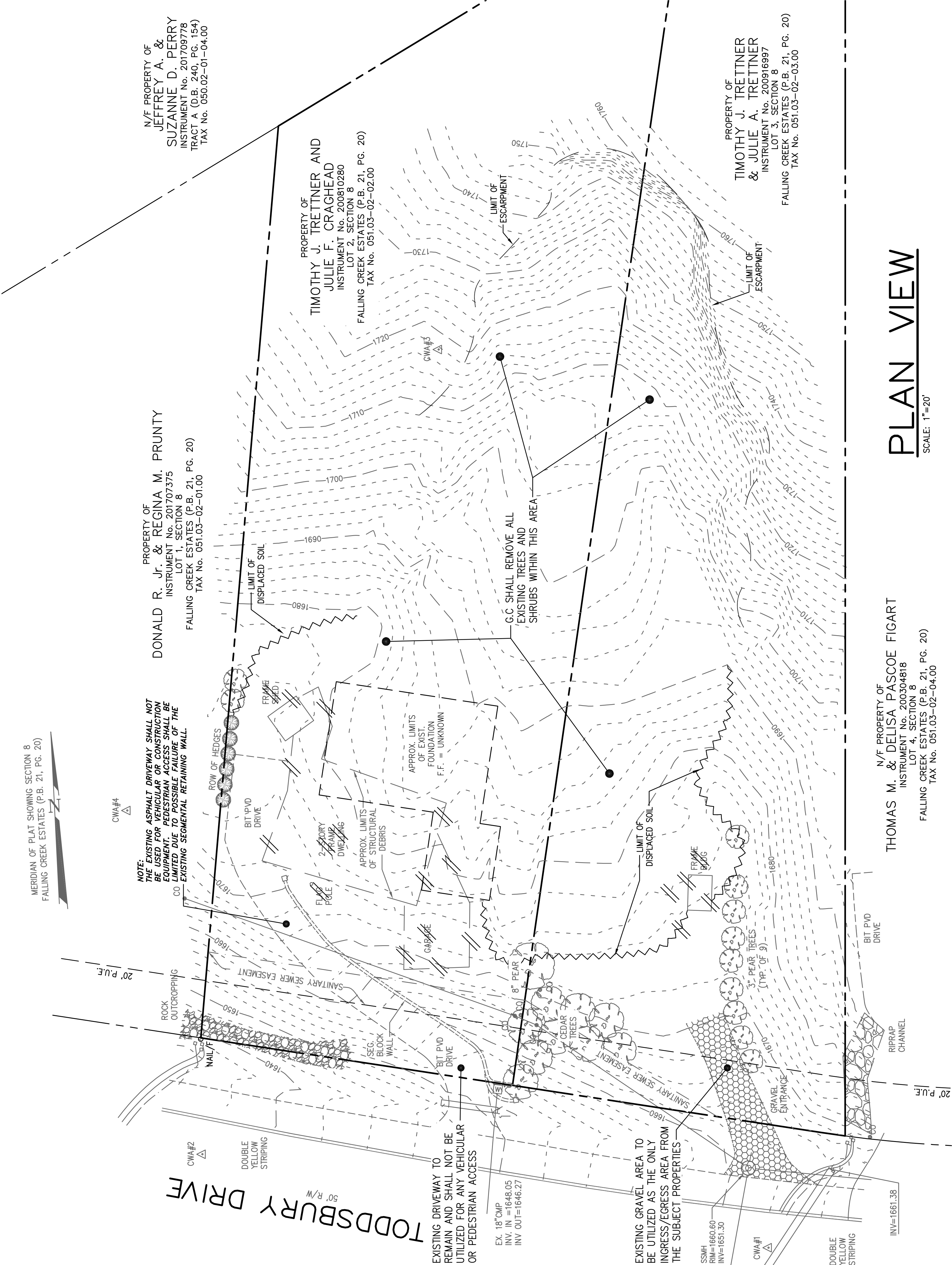
Call 811 before you dig.
Allow required time for marking.
Respect the marks.
Excavate carefully.

Check Ticket Status1-800-552-3120



PLAN VIEW

SCALE: 1"=20'



DEMOLITION PLAN
COUNTY OF ROANOKE
DEMOLITION PLAN

PROPERTY OF
TIMOTHY J. TRETTNER & JULIE A. TRETTNER
4354 & 4360 TODDSBURY LANE
VA. SEC. RTE. 1082
ROANOKE COUNTY, VIRGINIA



CALDWELL WHITE ASSOCIATES

ENGINEERS / SURVEYORS / PLANNERS

4203 MELROSE AVENUE, N.Y.

P.O. BOX 6260

ROANOKE, VIRGINIA 24017

EMAIL: CWA@CWAOL.COM

Designed:	F.B.Caldwell
Drawn:	J.V.Judy
Checked:	F.B.Caldwell
Revised:	04/17/19
Scale:	As Shown
Tax Parcel:	51.03-2-2 & 3
N.B. No.:	GH-15
W.D. No.:	18-0078

MERIDIAN OF PLAT SHOWING SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)

NOTE:
THE EXISTING ASPHALT DRIVEWAY SHALL NOT
BE USED FOR VEHICULAR OR CONSTRUCTION
TRUCK TRAFFIC. THE DRIVEWAY SHALL BE
LIMITED DUE TO POSSIBLE FAILURE OF THE
EXISTING SEGMENTAL RETAINING WALL.

PROPERTY OF
DONALD R. JR. & REGINA M. PRUNTY
INSTRUMENT No. 201707375
LOT 1, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03-02-01.00

N/F PROPERTY OF
JEFFREY A. &
SUZANNE D. PERRY
INSTRUMENT No. 201709778
TRACT A (O.B. 240, PG. 154)
TAX No. 050.02-01-04.00

PROPERTY OF
TIMOTHY J. TRETTNER AND
JULIE F. CRAGHEAD
INSTRUMENT No. 200810280
LOT 2, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03-02-02.00

PROPERTY OF
TIMOTHY J. TRETTNER
& JULIE A. TRETTNER
INSTRUMENT No. 200916997
LOT 3, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03-02-03.00

N/F PROPERTY OF
THOMAS M. & DELISA PASCOE FIGART
INSTRUMENT No. 200304818
LOT 4, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03-02-04.00

PLAN VIEW

SCALE: 1"=20'

GEOTECHNICAL ANALYSIS:

PRIOR TO BEGINNING ON ANY CONSTRUCTION ON-SITE, THE GENERAL CONTRACTOR SHALL OBTAIN AND REVIEW THE "REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ANALYSIS", PREPARED FOR 4354 TODDSBURY DRIVE SLOPE, ROANOKE COUNTY, VIRGINIA. THIS REPORT IS PREPARED BY ENGINEERING CONSULTING SERVICES, AND IDENTIFIED AS ECS REPORT NO. 12-8820-B.

THIS REPORT IDENTIFIES THE SITE AND SUBSURFACE CONDITIONS, ANALYSIS AND RECOMMENDATIONS. THE SOILS ON-SITE ARE MOISTURE-SENSITIVE, WHEN WET, SITE STABILITY DURING THE GRADING PHASE MAY IMPOSE SOME DEGREE OF SLOPE FAILURE, IF DURING THE COURSE OF ANY DEMOLITION OR GRADING WORK. ADVISORY: APPROPRIATE PRELIMINARY GEOTECHNICAL ANALYSIS SHALL BE OBTAINED FROM THE COUNTY OF ROANOKE AND THE SITE GEOTECHNICAL ENGINEER.

LAND DISTURBANCE NOTES:

ALL OFF-SITE DISPOSAL OF MATERIALS, AND ASSOCIATED FEES, WILL BE THE STEWARK CONTRACTOR'S RESPONSIBILITY, AND IS TO BE PERFORMED IN A LEGAL MANNER. ALL OFF-SITE DISPOSAL SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS PERTAINING THERETO.

TODDSBURY DRIVE
50' R/W

EX 18" CIP
INV. IN = 1648.05
INV. OUT = 1646.27

SSW#4
RW = 1660.60
INV = 1651.30

INV = 1661.38

CWA#4

CWA#2

CWA#1

ROW OF HEDGES

BIT PVD DRIVE

LIMIT OF DISPLACED SOIL

APPROX. LIMITS OF STRUCTURAL DOWNSIDE

APPROX. LIMITS OF EXIST. FOUNDATION F.F. = UNKNOWN

TEMPORARY CUT MAX 2H:1V MATERIAL TO BE REMOVED FROM THE SITE

LIMIT OF ESCARPMENT

LIMITS OF DISTURBANCE, PHASE 1

FRAME SLDG

3" PEAR TREES (TYP. OF 9)

BIT PVD DRIVE

RIPRAP CHANNEL

GENERAL EROSION & SEDIMENT CONTROL NOTES:

(AS TAKEN FROM TABLE 6-1 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK)

- ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 42X80-30 EROSION AND SEDIMENT CONTROL REGULATIONS
- ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
- ES-4: A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- ES-5: PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
- ES-6: THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
- ES-7: ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- ES-8: DURING DEMATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
- ES-9: THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUN-OFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

EROSION & SEDIMENT CONTROL CONSTRUCTION SEQUENCE

THE SEQUENCE PROVIDED BELOW IS PROVIDED FOR THE GENERAL CONTRACTOR (G.C.) AS A GENERAL OUTLINE AND NOT INTENDED TO DETAIL EVERY TASK THAT MUST BE PERFORMED TO COMPLETE THE PROJECT AS INDICATED BY THESE CONSTRUCTION PLANS. A STEP-BY-STEP APPROACH TO CONDUCTING THE PROPOSED LAND DISTURBING ACTIVITY - FROM PRELIMINARY CLEARING TO ROUGH GRADING TO FINAL GRADING TO FINAL STABILIZATION SHALL BE PERFORMED. THE LOCAL REVIEWING AND INSPECTING AGENCY UNDERSTANDS THAT SOME OF THE SEQUENCE BEING CONSTRUCTED FOR CONSTRUCTION MAY BE DIFFERENT FROM THE SEQUENCE PROVIDED BELOW. THE G.C. SHALL FOLLOW THE SEQUENCE, BUT ALL RULES AND REGULATIONS OF THE VIRGINIA EROSION & SEDIMENT CONTROL PROGRAM MUST BE ADHERED TO.

1. THE NAME OF THE G.C.'S, RESPONSIBLE LAND DISTURBER (BLD) SHALL BE PROVIDED TO THE COUNTY OF ROANOKE, PRIOR TO SCHEDULING A PRE-CONSTRUCTION MEETING. THE BLD SHALL BE REQUIRED TO ATTEND THE PRE-CONSTRUCTION MEETING, WITH A COPY OF THEIR BLD CERTIFICATE.
2. CLEAR/GRUB AREAS NECESSARY ONLY TO CONSTRUCT THE ESC PRACTICES.
3. INSTALL PERIMETER SILT FENCING AS A FIRST STEP TO BEGINNING ANY DEMOLITION.
4. COMPLETE CLEARING AS NEEDED TO COMPLETE THE TEMPORARY 2H:1V GRADING AND DEMOLITION AS INDICATED. ANY TOPSOIL MATERIAL ON-SITE SHALL BE HAULED OFF AND NOT REINSTALLED WITHIN THE LIMITS OF THE PROPERTY.
5. G.C. SHALL THEN PROCEED WITH DEMOLITION OF THE BUILDING, GARAGE AND SHED AND FOUNDATIONS.
6. THE EARTHWORK AND BACKFILLING OF THE FOUNDATIONS SHALL BE SEQUENCED NEXT SO THAT THE AREA CAN COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL REPORT.
7. GENERAL CONTRACTOR SHALL IMMEDIATELY PROCEED WITH REGRADING THE SITE IN ACCORDANCE WITH PHASE 2, SHEET C-5.

VARIANCES FROM CHAPTER 8.1 - EROSION AND SEDIMENT CONTROL OF THE ROANOKE COUNTY CODE

(GRANTED UPON APPROVAL OF THE PLAN FROM THE COUNTY OF ROANOKE)

1. AN AS-BUILT SURVEY, showing that the finished geometry based on a field survey performed by a licensed surveyor, is in substantial conformity with the design, AS REQUIRED BY 8.1-6(s) SHALL NOT BE REQUIRED.

MODIFIED VIRGINIA CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES

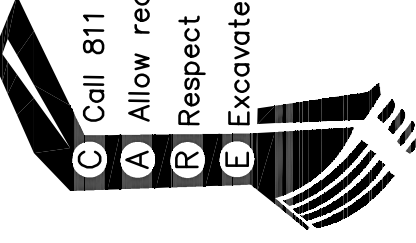
REFER TO SHEET C-7 FOR DETAILS OF IMPLEMENTED MEASURES

NO.	TITLE	KEY	SYMBOL
3.02	CONSTRUCTION ENTRANCE	CE	NOTE AS NEEDED
3.05	SILT FENCE	SF	*****
3.08	CULVERT INLET PROTECTION	CP	ZZZ
3.30	TOPSOILING	TO	→
3.31	TEMPORARY SEEDING	TS	→
3.32	PERMANENT SEEDING	PS	→
3.35	MULCHING	MU	→
3.36	SOIL STABILIZATION BLANKETS & MATTING	SM	→
3.39	DUST CONTROL	DC	→

PHASE 1 AREA OF DISTURBANCE
15,500 SF / 0.35 ACRES

ACRONYMS:

BMP	BEST MANAGEMENT PRACTICE
COV	CODE OF VIRGINIA
DEQ	DEPARTMENT OF ENVIRONMENT QUALITY
EPA	ENVIRONMENTAL PROTECTION AGENCY
ESC	EROSION & SEDIMENT CONTROL
RLD	RESPONSIBLE LAND DISTURBER (REGISTERED W/DEQ)
SWM	STORMWATER MANAGEMENT
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
VAC	VIRGINIA ADMINISTRATIVE CODE
VESCP	VIRGINIA EROSION & SEDIMENT CONTROL PROGRAM
VPDES	VIRGINIA POLLUTION DISCHARGE ELIMINATION SYSTEM
VSMP	VIRGINIA STORMWATER MANAGEMENT PROGRAM

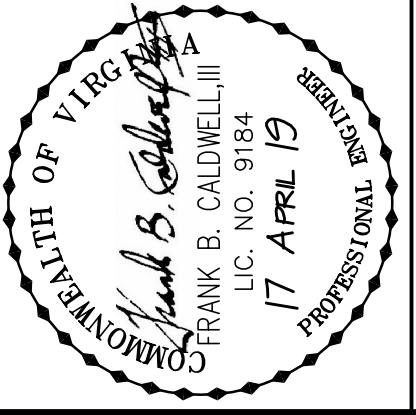


Call 811 before you dig.
Allow required time for marking.
Respect the marks.
Excavate carefully.

Check Ticket Status1-800-552-3120

PHASE 1 GRADING & E.S.C. COUNTY OF ROANOKE DEMOLITION PLAN

PROPERTY OF
TIMOTHY J. TRETTNER & JULIE A. TRETTNER
4354 & 4360 TODDSBURY LANE
VA. SEC. RTE. 1082
ROANOKE COUNTY, VIRGINIA



Designed:	F.B. Caldwell
Drawn:	J.V. Judy
Checked:	F.B. Caldwell
Revised:	04/17/19
Scanned:	As Shown
Tax Parcel:	51.03-2-2 & 3
N.B. No.:	GH-15
W.D. No.:	18-0078

	CALDWELL WHITE ASSOCIATES
ENGINEERS / SURVEYORS / PLANNERS	
4203 MELROSE AVENUE, N.Y. ROANOKE, VIRGINIA 24017	
P.O. BOX 6280 EMAIL: CWA@CWAENGINEERS.COM	

GEOTECHNICAL ANALYSIS:

PRIOR TO BEGINNING ON ANY CONSTRUCTION ON-SITE, THE GENERAL CONTRACTOR SHALL OBTAIN AND REVIEW THE "REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ANALYSIS", PREPARED FOR 4354 TODDSBURY DRIVE SLOPE, ROANOKE COUNTY VIRGINIA. THIS REPORT IS PREPARED BY ENGINEERING CONSULTING SERVICES, AND IDENTIFIED AS ECS REPORT NO. 12-8620-B.

THIS REPORT IDENTIFIES THE SITE AND SUBSURFACE CONDITIONS, ANALYSIS AND RECOMMENDATIONS. THE SOILS ON-SITE ARE MOISTURE-SENSITIVE, WHEN WET, SITE STABILITY DURING THE GRADING PHASE MAY IMPOSE SOME DEGREE OF SLOPE FAILURE. IF DURING THE COURSE OF ANY DEMOLITION OR GRADING WORK, VARIATIONS APPEAR EVIDENT, THE GENERAL CONTRACTOR SHALL IMMEDIATELY INFORM THE COUNTY OF ROANOKE AND THE SITE GEOTECHNICAL ENGINEER.

EROSION & SEDIMENT CONTROL CONSTRUCTION SEQUENCE

THE SEQUENCE PROVIDED BELOW IS PROVIDED FOR THE GENERAL CONTRACTOR (G.C.) AS A GENERAL OUTLINE AND NOT INTENDED TO DETAIL EVERY TASK THAT MUST BE PERFORMED TO COMPLETE THE PROJECT AS INDICATED BY THESE CONSTRUCTION PLANS. A STEP-BY-STEP APPROACH TO CONDUCTING THE PROPOSED LAND DISTURBING ACTIVITY FROM PRELIMINARY CLEARING TO ROUGH GRADING TO FINAL GRADING AND FINISHING SHALL BE MAINTAINED THROUGHOUT THE PROJECT. THE G.C. MAY ALTER THE CONSTRUCTION SEQUENCE, WITH THE UNDERSTANDING THAT ALL RULES AND REGULATIONS OF THE VIRGINIA EROSION & SEDIMENT CONTROL PROGRAM MUST BE ADHERED TO.

- UPON COMPLETION OF THE PHASE 1 GRADING AND DEMOLITION OF THE PHYSICAL FEATURES REQUIRED, THE G.C. SHALL BEGIN TO INSTALL THE PHASE 2 EROSION & SEDIMENT CONTROL MEASURES AS INDICATED.
- CLEAR/GRUB THE REMAINING AREAS NECESSARY ONLY TO COMPLETE THE PHASE 2 GRADING.
- G.C. SHALL BEGIN FILL OPERATIONS AT THE INDICATED TOE OF SLOPE AND MOVE IN AN UPHILL DIRECTION. ANY SIGNIFICANT QUANTITIES OF TOPSOIL MATERIAL WITHIN THE GRADING LIMITS SHALL BE SEPARATED FROM THE GENERAL EARTHWORK MATERIAL AND STORED TO BE REINSTALLED ALONG THE GENERAL "PLAT" AREA, BUT NOT WITHIN THE LIMITS OF THE 3:1 SLOPE GRADING AREA.
- THE SEDIMENT RETENTION ROLL (SRR) AND ASSOCIATED EC-2, TYPE 2 MATTING SHALL ALSO BE INSTALLED CONTINUOUSLY AS THE WORK AREA PROGRESSES UPHILL.
- THE FOLLOWING IS AN EXCERPT FROM THE "REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ANALYSIS" REFERENCED ABOVE. EXCEEDING 12-INCHES IN LOOSE THICKNESS, MOISTURE CONDITIONED SUFFICIENTLY TO PREVENT SIGNIFICANT RITTING AND/OR PUMPING, AND COMPACTED TO AT LEAST 85% OF THE MAXIMUM DRY DENSITY OBTAINED IN ACCORDANCE WITH ASTM D 698, STANDARD PROCTOR MODIFIED. IN LIEU OF COMPACTION TESTING FOR VERIFICATION, FILL SOILS SHALL BE TRAFFICKED WITH COMPACTION EQUIPMENT A MINIMUM OF SIX (6) PASSES.
- ONCE THE SITE HAS ACHIEVED FINAL GRADING, THE FILL SLOPE AREA (3H:1V) SUBGRADE SURFACES SHALL BE COVERED WITH AT LEAST 4-INCHES OF TOPSOIL TRACKED ONTO THE EC-2, TYPE 2 MATTING OF THE NEW FILL SLOPE. PROVIDE PERMANENT STABILIZATION OF SEEDING AND MULCHING ON ALL DENUDED AREAS.
- UPON STABILIZING THE MAJORITY OF THE SITE AREA, THE G.C. SHALL REMOVE THE ROCK/GRAVEL SEDIMENT BARRIERS IN THE TRAPS AND BACKFILL AND COMPACT THE AREA TO PROVIDE POSITIVE DRAINAGE, SEED AND STABILIZE.
- REMOVE THE REMAINING SILT FENCE, AND THE CONSTRUCTION ENTRANCE, RESHAPE THE ROADSIDE DITCH, SEED AND STABILIZE ALL REMAINING DENUDED AREAS.

LAND DISTURBANCE NOTES:

ALL OFF-SITE DISPOSAL OF MATERIALS, AND ASSOCIATED FEES, WILL BE THE SITEWORK CONTRACTOR'S RESPONSIBILITY, AND IS TO BE PERFORMED IN A LEGAL FASHION (CITY/STATE APPROVED WASTE SITE). ALL HAULING IS TO BE PERFORMED IN STRICT ACCORDANCE WITH LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS PERTAINING THERETO.

MODIFIED VIRGINIA CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES

REFER TO SHEET C-7 FOR DETAILS OF IMPLEMENTED MEASURES

NO.	TITLE	KEY	SYMBOL
3.02	CONSTRUCTION ENTRANCE	CE	NOTE AS NEEDED
3.05	SILT FENCE	SF	*****
3.08	CULVERT INLET PROTECTION	CI	ZZ
3.30	TOPSOILING	TO	→(T)→
3.31	TEMPORARY SEEDING	TS	→(TS)→
3.32	PERMANENT SEEDING	PS	→(PS)→
3.33	SODDING	SO	→(SO)→
3.35	MULCHING	MU	→(MU)→
3.36	SOIL STABILIZATION BLANKETS & MATTING	EM	→(EM)→
3.39	DUST CONTROL	DC	→(DC)→
NON STD.	SEDIMENT RETENTION ROLL	SRR	∞∞∞∞∞∞

PHASE 2 AREA OF DISTURBANCE
36,500 SF / 0.85 ACRES

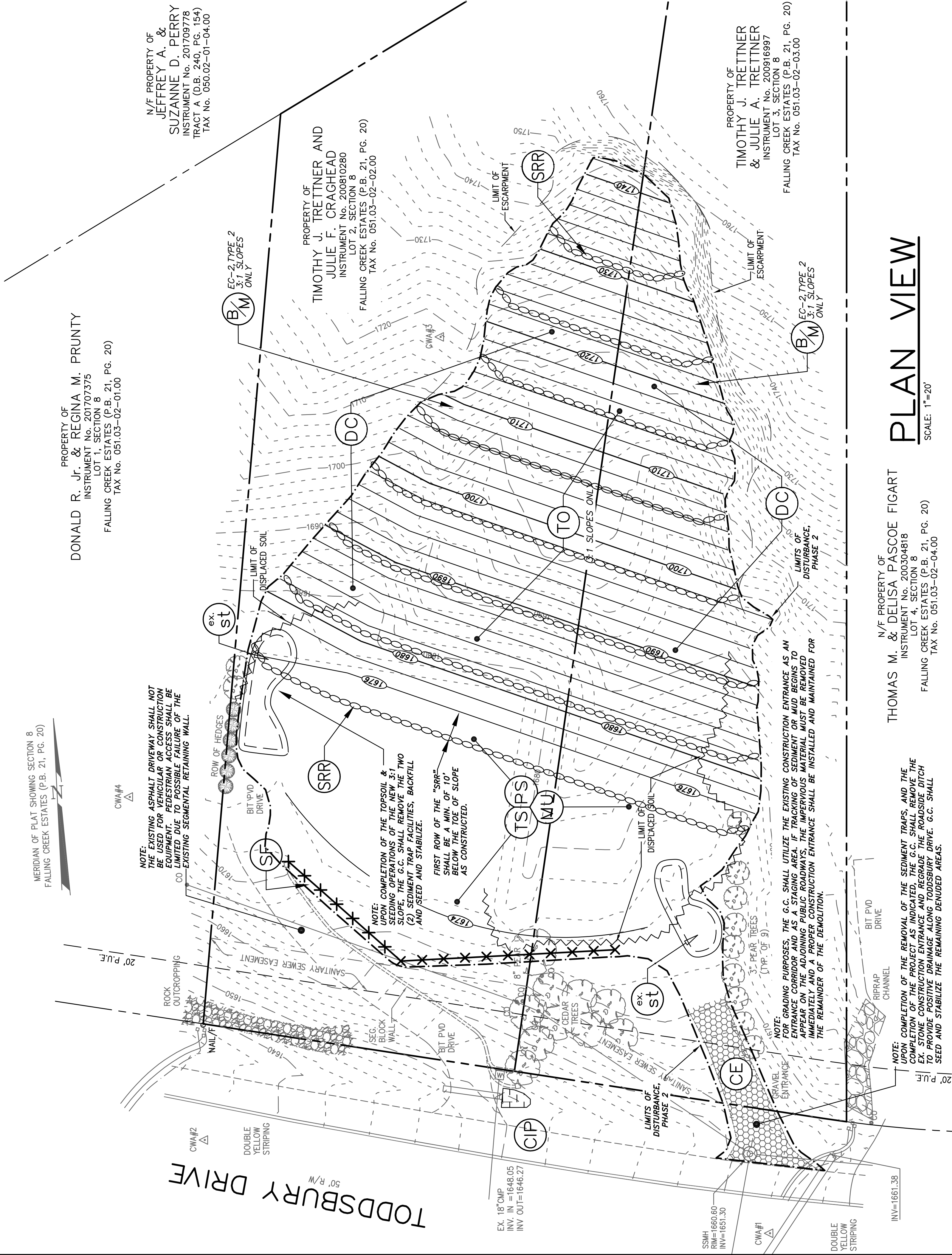
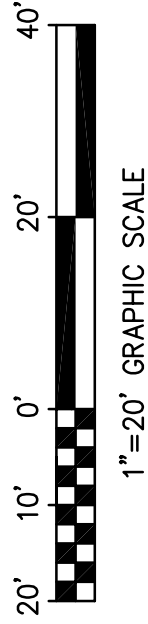
ACRONYMS:

BMP	BEST MANAGEMENT PRACTICE
COV	CODE OF VIRGINIA
DEQ	DEPARTMENT OF ENVIRONMENT QUALITY
EPA	ENVIRONMENTAL PROTECTION AGENCY
ESC	EROSION & SEDIMENT CONTROL
RLD	RESPONSIBLE LAND DISTURBER (REGISTERED W/DEQ)
SWM	STORMWATER MANAGEMENT
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
VAC	VIRGINIA ADMINISTRATIVE CODE
VESCP	VIRGINIA EROSION & SEDIMENT CONTROL PROGRAM
VPDES	VIRGINIA POLLUTION DISCHARGE ELIMINATION SYSTEM
VSMP	VIRGINIA STORMWATER MANAGEMENT PROGRAM



Call 811 before you dig.
Allow required time for marking.
Respect the marks.
Excavate carefully.

Check Ticket Status1-800-552-3120



PLAN VIEW

SCALE: 1"=20'

THOMAS M. & DELISA PASCOE FIGART
INSTRUMENT No. 200304818
LOT 4, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03--02--04.00

N/F PROPERTY OF
TIMOTHY J. TRETTNER
& JULIE A. TRETTNER
INSTRUMENT No. 200916997
LOT 3, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03--02--03.00

PROPERTY OF
DONALD R. JR. & REGINA M. PRUNTY
INSTRUMENT No. 201707375
LOT 1, SECTION 8
FALLING CREEK ESTATES (P.B. 21, PG. 20)
TAX No. 051.03--02--01.00

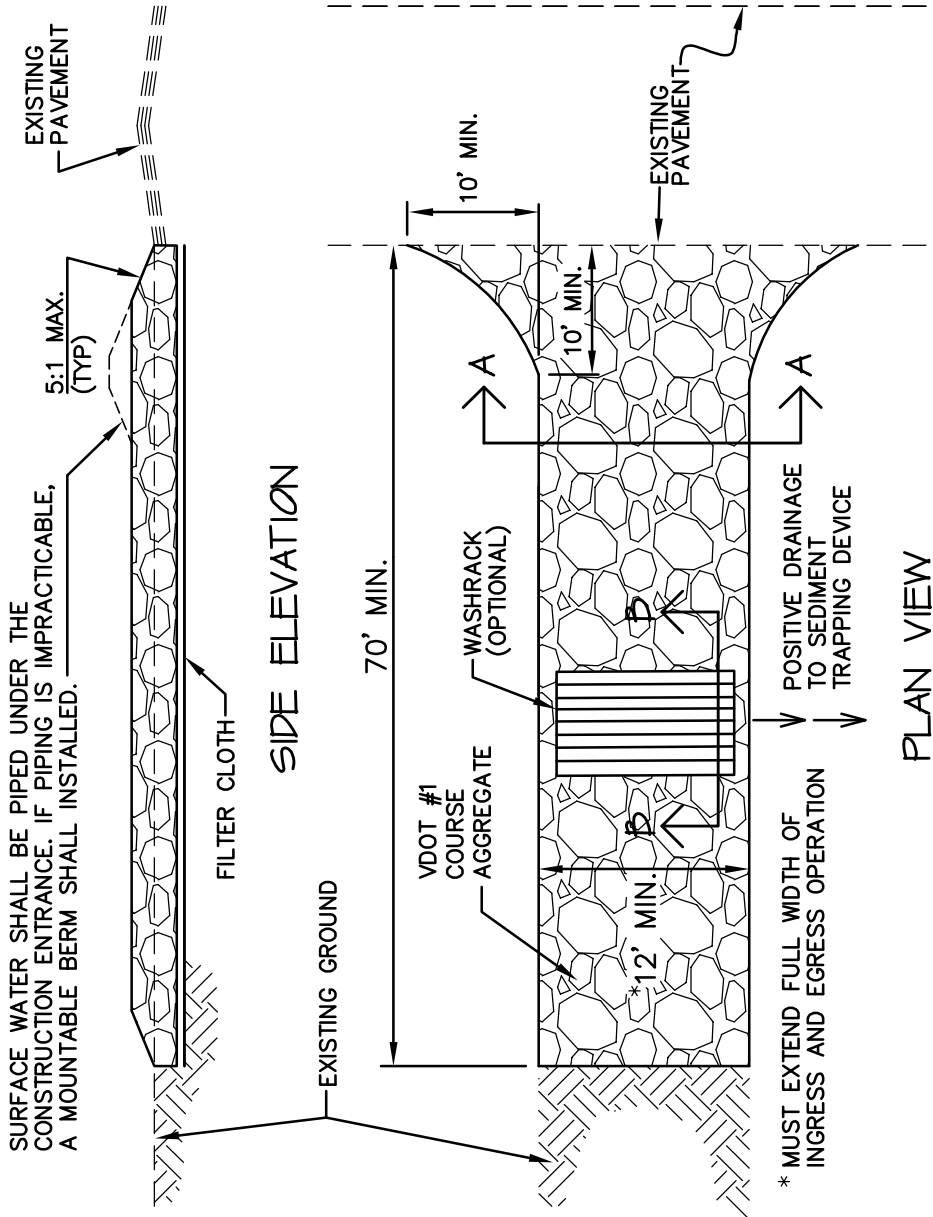
NOTE:
THE EXISTING ASPHALT DRIVEWAY SHALL NOT BE USED FOR VEHICULAR OR CONSTRUCTION PURPOSES. THE DRIVEWAY SHALL BE LIMITED DUE TO POSSIBLE FAILURE OF THE EXISTING SEGMENTAL RETAINING WALL.

NOTE: COMPLETION OF THE TOPSOIL & SEEDING OPERATIONS OF THE NEW 8:1 SLOPE, THE G.C. SHALL REMOVE THE TWO (2) SEDIMENT TRAP FACILITIES, BACKFILL AND SEED AND STABILIZE.

NOTE: FIRST ROW OF THE "SRR" SHALL BE A MIN OF 10' BELOW THE TOE OF SLOPE AS CONSTRUCTED.

NOTE: FOR GRADING PURPOSES, THE G.C. SHALL UTILIZE THE EXISTING CONSTRUCTION ENTRANCE AS AN ENTRANCE CORRIDOR AND AS A STAGING AREA. IF TRACKING OF SEDIMENT OR MUD BEGINS TO APPEAR ON THE ADJOINING PUBLIC ROADWAYS, THE IMPERVIOUS MATERIAL MUST BE REMOVED TO PREVENT TRACKING OF SEDIMENT AND MUD. THE REMAINDER OF THE DEMOLITION.

NOTE: UPON COMPLETION OF THE REMOVAL OF THE SEDIMENT TRAPS, AND THE COMPLETION OF THE PROJECT AS INDICATED, THE G.C. SHALL REMOVE THE EX. STONE CONSTRUCTION ENTRANCE, REGRADE THE ROADSIDE DITCH AND STABILIZE THE REMAINING DENUDED AREAS.



CE CONSTRUCTION ENTRANCE

ON AN AS-NEEDED BASIS OR AS DIRECTED BY THE VESCP INSPECTOR, THE GENERAL CONTRACTOR SHALL UTILIZE ONE OF THE FOLLOWING METHODS TO CONTROL DUST:

- WATER – THE EXPOSED SOIL SURFACE SHOULD BE MOISTENED PERIODICALLY WITH AN ADEQUATE SUPPLY OF WATER TO CONTROL DUST.
- CALCIUM CHLORIDE – CHEMICAL COMPONENT SHALL BE EITHER LOOSE DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH A SPREADER AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.

DC DUST CONTROL

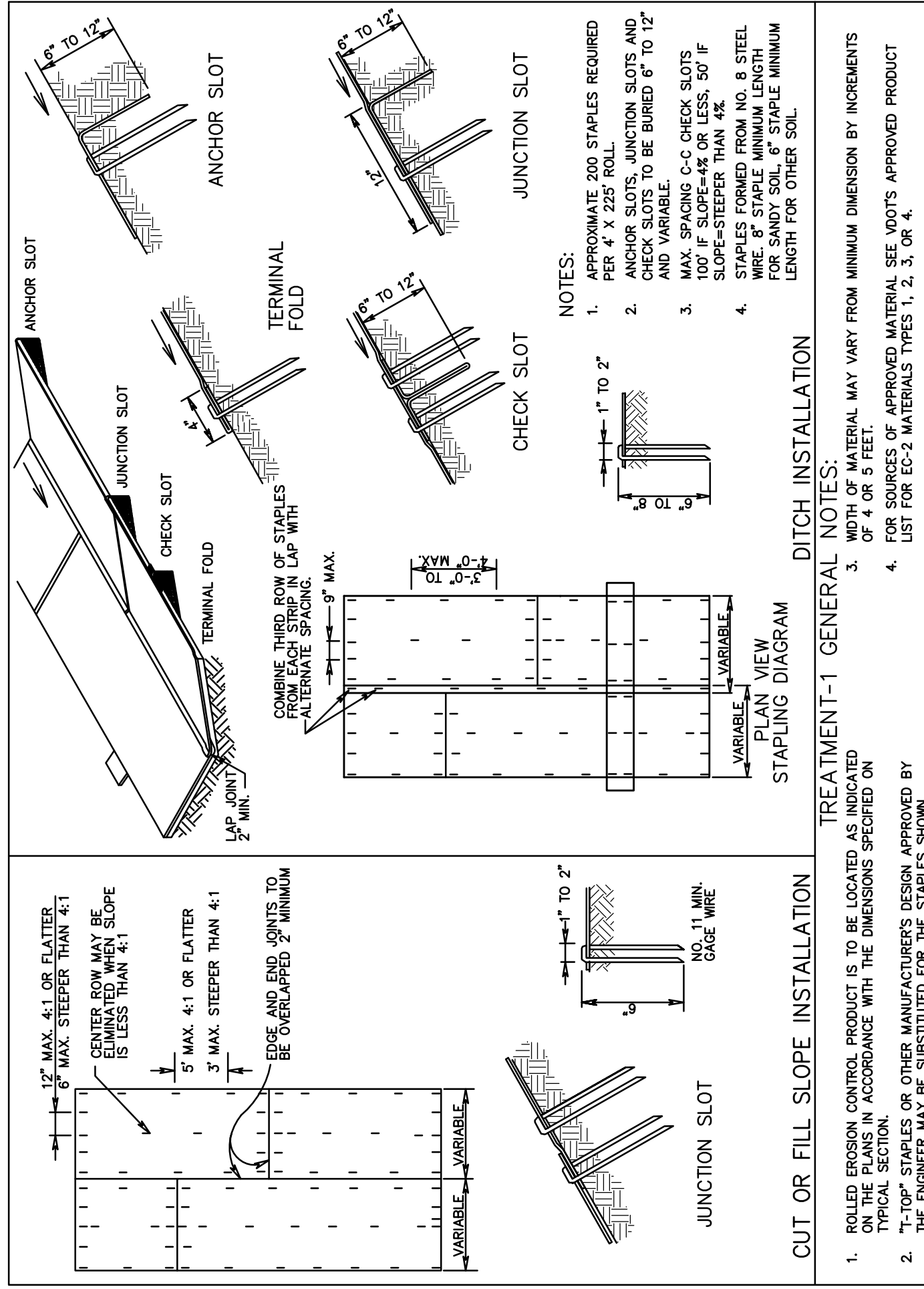
THE APPLICATION OF MULCH TO THE SOIL SURFACE, FOR BOTH TEMPORARY AND PERMANENT SEEDING, IS ONE OF THE MOST EFFECTIVE MEANS OF CONTROLLING RUNOFF AND EROSION ON DISTURBED LAND. PERMANENT SEEDING MUST BE COMPLETED WITHIN 14 DAYS OF THE TIME WHEN THE DISTURBED AREA IS EXPOSED TO THE WEATHER. MULCHING IS A METHOD OF PROTECTING THE SOIL SURFACE AND FOSTERING THE GROWTH OF VEGETATION BY INCREASING THE MOISTURE CONTENT AND PROVIDING INSULATION FROM EXTREME TEMPERATURES. REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (STD & SPEC 3.35) FOR DETAILS AND MULCH SPECIFICATIONS, INCLUDING A LIST OF THE TYPICAL MATERIALS USED TO MULCH (FOR EXAMPLE STRAW, WOOD CHIPS, AND FIBER MULCH).

MU MULCHING

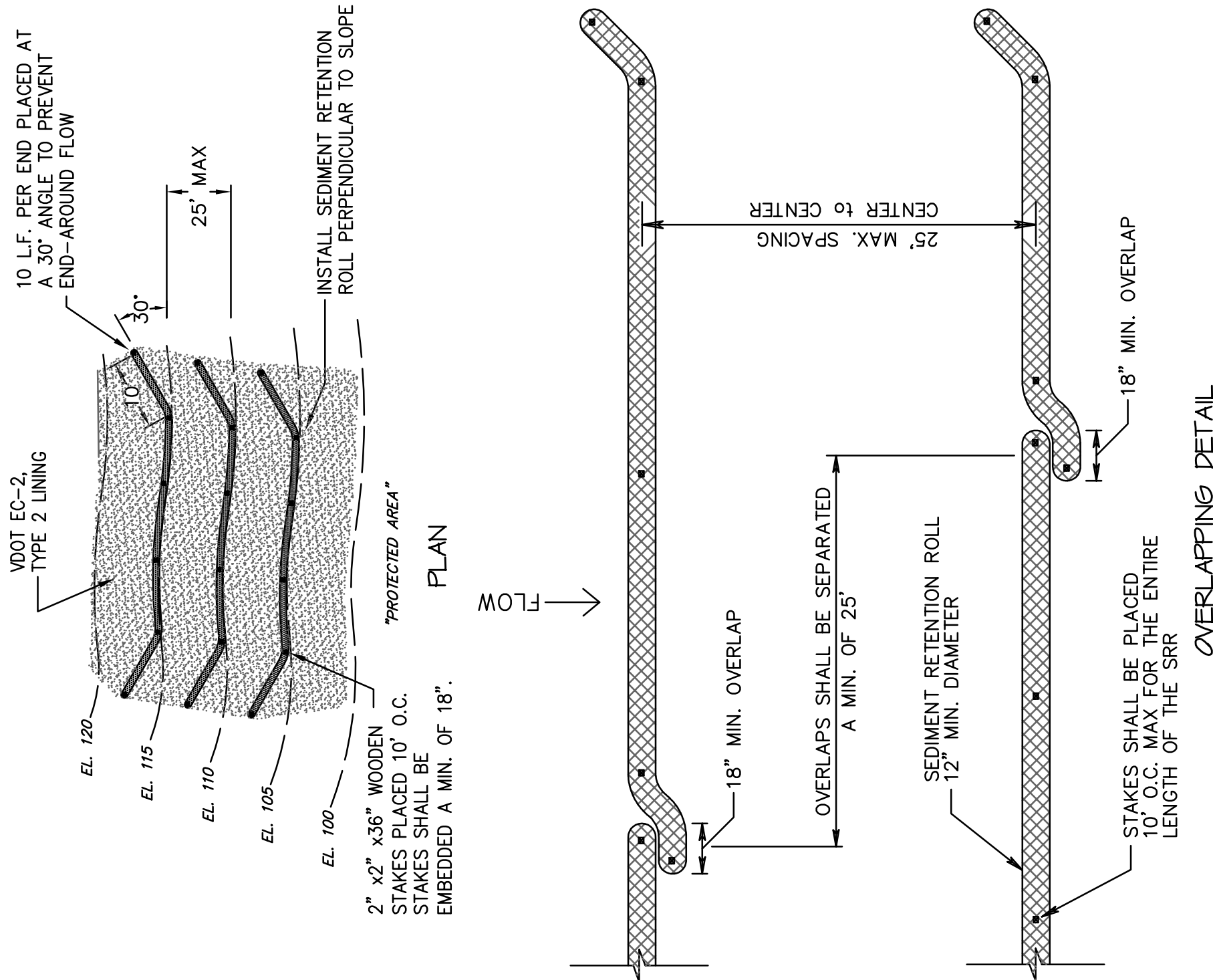
TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION. WHEN TOPSOIL OR SUBGRADE IS EXCESSIVELY MOIST OR CONTAINS TOO MUCH WATER, THE TOPSOIL SHOULD BE DRYED OR PROPER SEEDING METHODS SHOULD BE USED. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM DEPTH OF 4-INCHES. ANY IRREGULARITIES IN THE SURFACE, RESULTING FROM TOPSOILING OR OTHER OPERATIONS, SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.

IT IS NECESSARY TO COMPACT THE TOPSOIL ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL AND TO OBTAIN A LEVEL SEEDBED FOR THE ESTABLISHMENT OF VEGETATION. HOWEVER, UNDUE COMPACTION IS TO BE AVOIDED AS IT INCREASES RUNOFF VELOCITY AND VOLUME, AND DETERS SEED GERMINATION. AVOID UNNECESSARY COMPACTION BY HEAVY MACHINERY WHENEVER POSSIBLE.

TO TOPSOILING

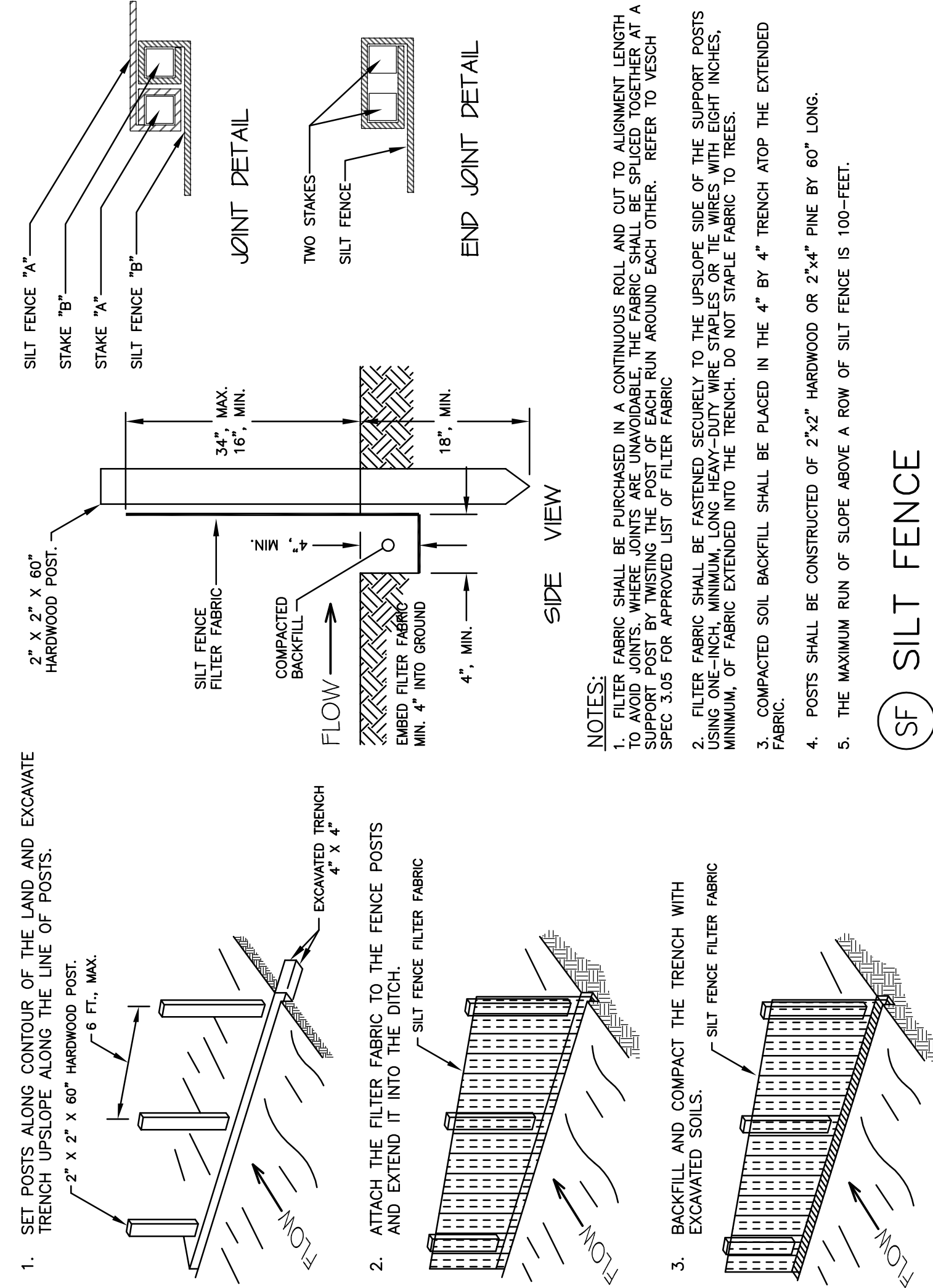


BM SOIL STABILIZATION BLANKETS & MATTING



THIS DETAIL IS FOR THE INSTALLATION OF ELITREXX SILTROLLX. THE PURPOSE OF THIS EROSION & SEDIMENT CONTROL MEASURE IS TO PROVIDE SLOPE INTERRUPTION AND SLOPE LENGTH REDUCTION. THE SRR MATERIAL IS TO BE INSTALLED PARALLEL WITH THE FINISH CONTOURS. INSTALLATION, INSPECTION AND MAINTENANCE OF THIS PRODUCT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

SRR SEDIMENT RETENTION ROLL



SF SILT FENCE

VESCH TABLE 3.31-B (REVISED JUNE 2003)
TEMPORARY SEEDING SPECIFICATIONS QUICK REFERENCE FOR ALL REGIONS

APPLICATION DATES	SPECIES	APPLICATION RATES
SEPT 1 – FEB 15	50/50 MIX OF ANNUAL RYEGRASS (olium multi- lawn) & CEREAL (winter) RYE (seeds covered)	50-100 (lbs/acre)
FEB 16 – APR 30	ANNUAL RYEGRASS (olium multi- lawn)	60-100 (lbs/acre)
MAY 1 – AUG 31	GERMAN MILLET	50 (lbs/acre)

FERTILIZER & LIME
APPLY 10-10-10 FERTILIZER AT A RATE OF 450 lbs/acre (or 10 lbs/1,000 sf) APPLY PULVERIZED AGRICULTURAL LIMESTONE AT A RATE OF 2 tons/acre (or 90 lbs/1,000 sf)
NOTES: 1. A SOIL TEST IS NECESSARY TO DETERMINE THE ACTUAL AMOUNT OF LIME REQUIRED TO ADJUST THE SOIL pH OF THE SITE. 2. INCORPORATE THE LIME AND FERTILIZER INTO THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR BY OTHER MEANS. 3. WHEN APPLYING SLOWLY AVAILABLE NITROGEN, USE RATES AVAILABLE IN EROSION & SEDIMENT CONTROL TECHNICAL BULLETIN #4, 2003 NUTRIENT MANAGEMENT FOR DEVELOPMENT SITES AT HTTP://WWW.DCR.STATE.VA.US/SW/FASTHMPUBS

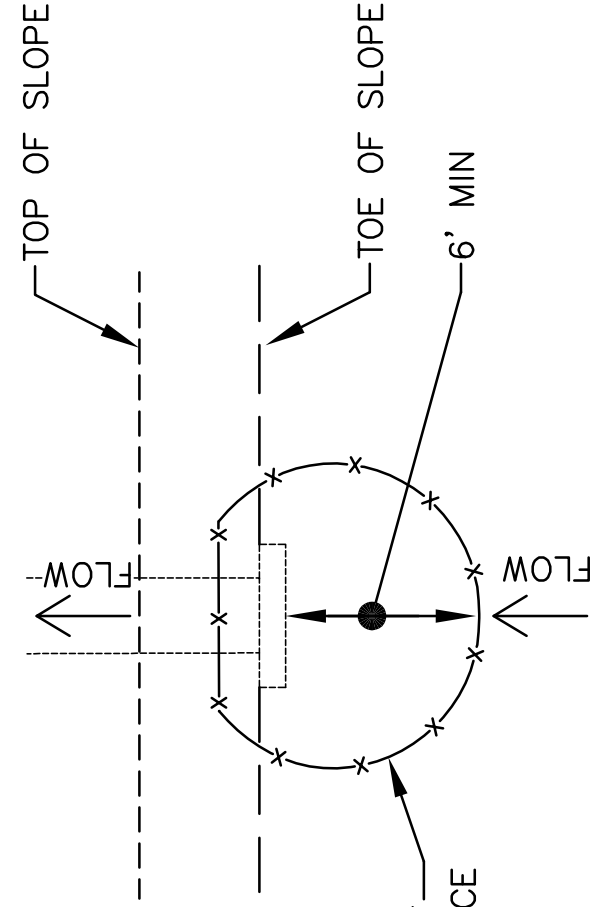
TS TEMPORARY SEEDING

LAND USE	SEED 1	SPECIES	APPLICATION RATES
MINIMUM CARE LAWN (RESIDENTIAL)	TALL FESCUE 1 PERENNIAL RYEGRASS 2 KENTUCKY BLUEGRASS 1	0-10% 0-10% 0-10%	TOTAL: 150 lbs.
HIGH-MAINTENANCE TURF	NOT APPLICABLE	NOT APPLICABLE	TOTAL: 125 lbs.
GENERAL SLOPE (3:1 OR LESS)	TALL FESCUE 1 RED TOP GRASS or CREEPING RED FESCUE SEASONAL NURSE CROP 3	125 lbs. 2 lbs. 20 lbs.	TOTAL: 150 lbs.
LOW-MAINTENANCE SLOPE (STEEPER THAN 3:1)	TALL FESCUE 1 RED TOP GRASS or CREEPING RED FESCUE SEASONAL NURSE CROP 3	125 lbs. 2 lbs. 20 lbs.	TOTAL: 150 lbs.

1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCA) recommended turfgrass variety list. Quality seed will bear a label indicating that they are approved by the VCA. For more information, visit the VCA website at www.vca.org.
2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providing cover and erosion resistance for seedbed.
3 - All legume seed must be properly inoculated. If FloPace is used, increase to 30 lbs/acre. If Mesping is used, increase to 30-40 lbs/acre.
4 - All legume seed must be properly inoculated. If FloPace is used, increase to 30 lbs/acre. If Mesping is used, increase to 30-40 lbs/acre.

FERTILIZER & LIME
APPLY 10-20-10 FERTILIZER AT A RATE OF 500 lbs/acre (or 12 lbs/1,000 sf) APPLY PULVERIZED AGRICULTURAL LIMESTONE AT A RATE OF 2 tons/acre (or 90 lbs/1,000 sf)
NOTES: 1. A SOIL TEST IS NECESSARY TO DETERMINE THE ACTUAL AMOUNT OF LIME REQUIRED TO ADJUST THE SOIL pH OF THE SITE. 2. INCORPORATE THE LIME AND FERTILIZER INTO THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR BY OTHER MEANS. 3. WHEN APPLYING SLOWLY AVAILABLE NITROGEN, USE RATES AVAILABLE IN ESC TECHNICAL BULLETIN #4, 2003 NUTRIENT MANAGEMENT FOR DEVELOPMENT SITES AT HTTP://WWW.DCR.STATE.VA.US/SW/FASTHMPUBS

PS PERMANENT SEEDING



CIP CULVERT INLET PROTECTION

EROSION & SEDIMENT CONTROL DETAILS COUNTY OF ROANOKE DEMOLITION PLAN

PROPERTY OF
TIMOTHY J. TRETTNER & JULIE A. TRETTNER
4354 & 4360 TODDSBURY LANE
VA. SEC. RTE. 1082
ROANOKE COUNTY, VIRGINIA

Designed: F.B. Caldwell
Drawn: J.V. Judy
Checked: F.B. Caldwell
Revised: 04/17/19
Scale: As Shown
Tax Parcel: 5103-2-2 & 3
NB. No.: GH-15
MO. No.: 18-0078

CALDWELL WHITE ASSOCIATES
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