

SPECIFICATIONS FOR PLANTING

PLANT IDENTIFICATION: ALL PLANTS SHALL BE PROPERLY MARKED FOR IDENTIFICATION AND CHECKING.

LIST OF PLANT MATERIAL: THE CONTRACTOR WILL VERIFY PLANT QUANTITIES PRIOR TO BIDDING AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER. THE CONTRACTOR SHALL FURNISH AND PLANT ALL PLANTS REQUIRED TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS. SUBSTITUTIONS SHALL NOT BE MADE WITHOUT THE WRITTEN APPROVAL OF THE OWNER.

PLANT QUALITY: ALL SHRUBS SHALL BE DENSE, HEAVY TO THE GROUND, AND WELL GROWN, SHOWING EVIDENCE OF HAVING BEEN SHEARED REGULARLY, SHALL BE VIGOROUS, HEALTHY, AND OF GOOD COLOR. ALL PLANTS SHALL BE SOUND, FREE OF PLANT DISEASE OR INSECT EGGS, AND SHALL HAVE HEALTHY NORMAL ROOT SYSTEMS. PLANTS SHALL BE FRESHLY DUG AND NOT HELD-IN STOCK, NOR STOCK FROM COLD STORAGE. ALL PLANTS SHALL BE NURSERY GROWN. PLANTS SHALL NOT BE PRUNED PRIOR TO DELIVERY. THE SHAPE OF THE PLANT IN GENERAL SHALL CONFORM TO ITS NATURAL GROWTH PROPORTIONS, UNLESS OTHERWISE SPECIFIED. ALL PLANTS INCLUDING CONTAINER-GROWN SHALL CONFORM TO THE BRANCHING, CALIPER, AND HEIGHT SPECIFICATIONS OF THE MOST CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.

PLANT SPACING: PLANT SPACING IS TO SCALE ON PLAN. NO PLANTS EXCEPT ESPALIERED MATERIAL SHALL BE CLOSER THAN 30 INCHES TO BUILDINGS.

SOIL MIX: SOIL MIX WILL BE 2/3 EXISTING SOIL, 1/3 LEAF MOLD OR EQUAL ORGANIC MATERIAL, THOROUGHLY MIXED AND HOMOGENIZED.

BALL SIZE: THE BALL SIZE SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK.

EXCAVATION: HOLES FOR ALL PLANTS SHALL BE 18 INCHES LARGER IN DIAMETER THAN SIZE OF BALL OR CONTAINER, AND SHALL HAVE VERTICAL SIDES, HEDGES SHALL BE PLANTED IN A TRENCH 12 INCHES WIDER THAN BALL DIAMETER. BEDS FOR MASS PLANTING SHALL BE ENTIRELY ROTOTILLED TO A DEPTH OF 8 INCHES AND SHALL BE 18 INCHES BEYOND THE AVERAGE OUTSIDE EDGE OF PLANT BALLS. ORGANIC MATERIAL (I.E., LEAF MOLD) WILL BE INCORPORATED INTO PLANT BED BY TILLING AGAIN. PROPORTIONS OF SOIL TO ORGANIC MATERIAL WILL BE 2 PARTS TO 1 PART.

PLANTING: BACKFILLING SHALL BE DONE WITH SOIL MIX, REASONABLY FREE OF STONES, SUBSOIL, CLAY LUMPS, STUMPS, ROOTS, WEEDS, BERMUDA GRASS, LITTER, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH OR HINDER GRADING, PLANTING, OR MAINTENANCE OPERATIONS. SHOULD ANY UNFORESEEN OR UNSUITABLE PLANTING CONDITIONS ARISE SUCH AS FAULTY SOIL DRAINAGE OR CHEMICAL RESIDUES, THEY SHOULD BE CALLED TO THE ATTENTION OF THE OWNER FOR ADJUSTMENT BEFORE PLANTING. THE PLANT SHALL BE SET PLUMB AND STRAIGHT AND SHALL BE STAKED AT THE TIME OF PLANTING. BACKFILL SHALL BE WELL WORKED ABOUT THE ROOTS AND SETTLED BY WATERING. PLANTS WILL BE PLANTED HIGHER THAN SURROUNDING GRADE. SHRUBS WILL BE 1 INCH HIGHER AND TREES WILL BE 3 INCHES HIGHER. REMOVE ROPE FROM AROUND TREE TRUNKS AND LAY BACK BURLAP FROM TOP OF B&B MATERIAL. NYLON OR VINYL ROPE AND/OR BURLAP WILL BE COMPLETELY REMOVED FROM ALL PLANT MATERIAL PRIOR TO PLANTING.

TRANSPLANTING TREES BY TREE MACHINES: TREES SHALL BE MOVED BY MACHINES THAT PROVIDE A MINIMUM BALL DIAMETER OF 12 INCHES PER 1 INCH OF TREE CALIPER. HOLES ARE TO BE DUG BY THE SAME SIZE MACHINE AS THE ONE TRANSPORTING THE PLANT. THE PLANT MATERIAL SHALL BE TRANSPORTED IN APPROXIMATELY THE SAME GROWING CONDITION AS IT IS PRESENTLY GROWING, IN TERMS OF SOIL TYPE AND MOISTURE CONTENT. FERTILIZE AND GUY AS DESCRIBED IN THESE PLANS AND SPECIFICATIONS.

TRANSPLANTING EXISTING TREES: HARDWOODS SHOULD BE TRANSPANTED IN THE LATE FALL, FOLLOWING THEIR LEAF DROP. EVERGREENS MAY BE TRANSPANTED BEGINNING WITH THE FALL COOL-DOWN PERIOD (NORMALLY SEPTEMBER) AND MAY CONTINUE INTO SPRING PRIOR TO ELONGATION OF THE NEW GROWTH. PROPER DIGGING OF A TREE INCLUDES THE CONSERVATION OF AS MUCH OF THE ROOT SYSTEM AS POSSIBLE, PARTICULARLY THE FINE ROOTS. SOIL ADHERING TO THE ROOTS SHOULD BE DAMP WHEN TREE IS DUG, AND KEPT MOIST UNTIL PLANTING. THE SOIL (OR "ROOT") BALL SHOULD BE 12 INCHES IN DIAMETER FOR EACH INCH OF DIAMETER OF THE TRUNK. THE TREE SHOULD BE CAREFULLY EXCAVATED AND THE SOIL BALL WRAPPED IN BURLAP AND TIED WITH ROPE. SOIL AROUND BALLED AND BURLAPPED TREE ROOTS SHOULD BE DUG WITH THE TREE AND NOT JUST PACKED AROUND BARE ROOTS. BALLED AND BURLAPPED PLANT MATERIAL SHALL BE KEPT MOIST.

CULTIVATION: ALL TRENCHES AND SHRUB BEDS SHALL BE CULTIVATED, EDGED, AND MULCHED TO A DEPTH OF 3 INCHES WITH FINE SHREDDED HARDWOOD BARK. THE AREA AROUND ISOLATED PLANTS SHALL BE MULCHED TO AT LEAST A 6-INCH GREATER DIAMETER THAN THAT OF THE HOLE. PLANT BEDS ADJACENT TO BUILDINGS SHALL BE MULCHED TO THE BUILDING WALL.

MAINTENANCE: THE CONTRACTOR SHALL BE RESPONSIBLE DURING THE CONTRACT AND, UP TO THE TIME OF ACCEPTANCE, FOR KEEPING THE PLANTING AND WORK INCIDENTAL THERETO IN GOOD CONDITION, BY REPLANTING, PLANT REPLACEMENT, WATERING, WEEDING, CULTIVATING, PRUNING AND SPRAYING, STAKING, AND CLEANING UP, AND BY PERFORMING ALL OTHER NECESSARY OPERATIONS OF CARE FOR PROMOTION OF GOOD PLANT GROWTH, SO THAT ALL WORK IS IN SATISFACTORY CONDITION AT THE TIME OF ACCEPTANCE, AT NO ADDITIONAL COST TO THE OWNER.

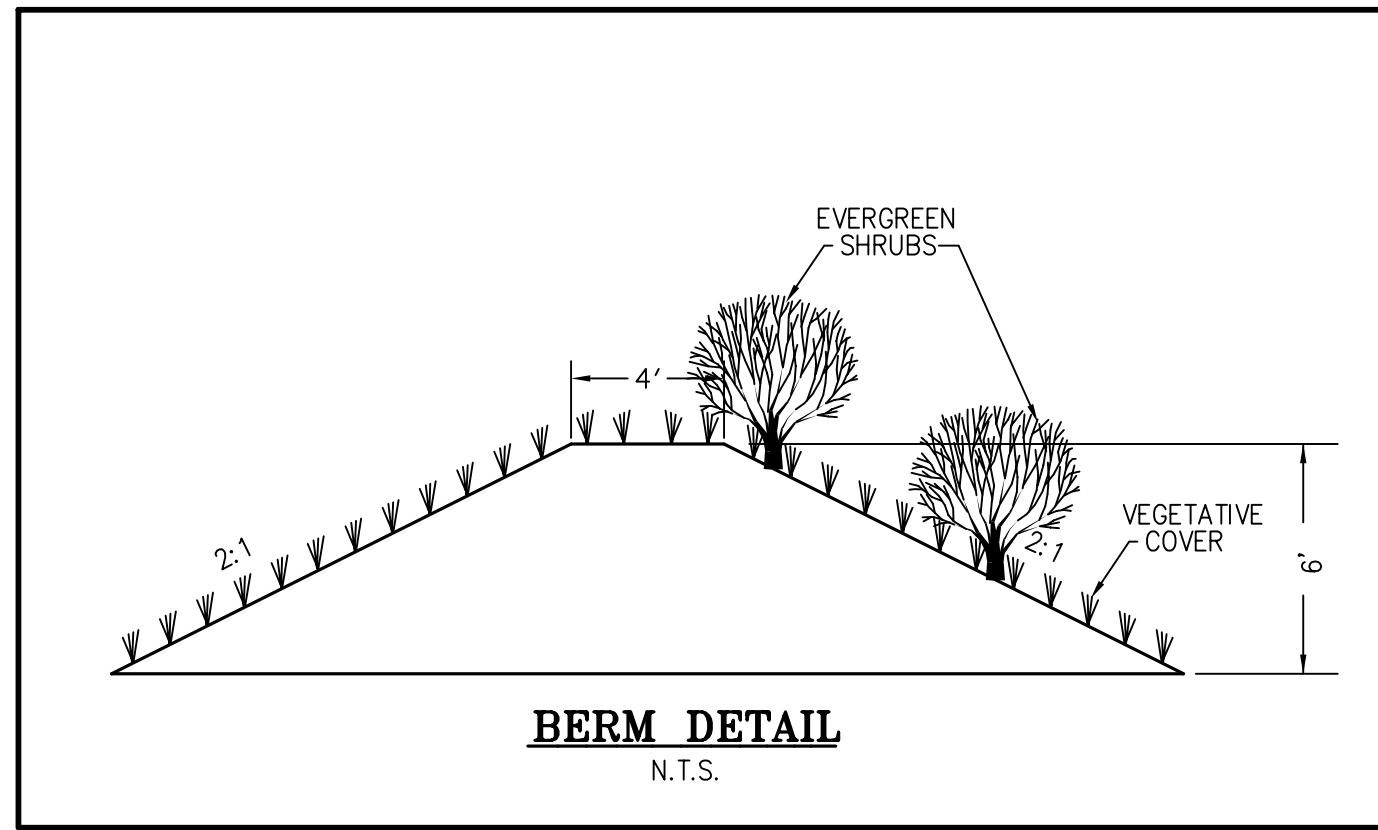
FERTILIZER: FERTILIZER SHALL BE A SLOW-RELEASE TYPE CONTAINED IN POLYETHYLENE PERFORATED BAGS WITH MICROPORE HOLES FOR CONTROLLED FEEDING, SUCH AS "EASY GROW" AS MANUFACTURED BY SPECIALTY FERTILIZER, INC., BOX 355, SUFFERN, NEW YORK, 10901 OR APPROVED EQUAL. THE BAGS SHALL CONTAIN 1 OUNCE OF SOLUBLE FERTILIZER ANALYSIS 16-18-16 PER UNIT TO LAST FOR THREE YEARS AND SHALL BE APPLIED DURING PLANTING AS RECOMMENDED BY THE MANUFACTURER. IF FERTILIZER PACKETS ARE NOT USED, THE CONTRACTOR SHALL APPLY GRANULAR FERTILIZER TO THE SOIL MIX OF 10-6-6 ANALYSIS, 50% ORGANIC, AT THE FOLLOWING RATES:

TREE PITS:
2-3 LBS. PER CALIPER INCH

SHRUB BEDS:
3-5 LBS. PER 100 SQ. FT.

GROUND COVER:
2-3 LBS. PER 100 SQ. FT.

GROUND COVER: ALL AREAS OF GROUND COVER SHALL BE ROTOTILLED TO A DEPTH OF SIX INCHES, APPLY 2 INCHES OF ORGANIC MATERIAL AND ROTOTILL UNTIL THOROUGHLY MIXED, APPLY FERTILIZER AS STATED ABOVE.



PLANT LIST

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	CANOPY/SPREAD	REMARKS	TOTAL
TREES:								
CL	30	Cupressus x leylandii	Leyland Cypress		6' MIN.	90 SF	B&B	2,700 SF
PS	26	Pinus Strobus	White Pine		6' MIN.	90 SF	B&B	2,340 SF
IO	20	Ilex Opaca	American Holly		6' MIN.	90 SF	B&B	1,800 SF
							TOTAL CANOPY AREA OF TREES TO BE PLANTED:	6,840 SF
SHRUBS:								
IG	22	Ilex glabra	Inkberry	N/A	30"	N/A	#3	N/A

LANDSCAPING REQUIREMENTS

SCREENING:

ALONG PROPOSED 225' BERM - 2 ROWS OF EVERGREEN SHRUBS PLANTED 20' ON CENTER AND STAGGERED. REQUIRED: 22 EVERGREEN SHRUBS PROVIDED: 22 EVERGREEN SHRUBS

ALONG 290' FRONTAGE, IN LIEU OF STREET TREES - 3 ROWS OF EVERGREEN TREES PLANTED 10' ON CENTER AND STAGGERED. EVERGREEN TREES PROVIDED: 76

TREE CANOPY COVER CALCULATIONS

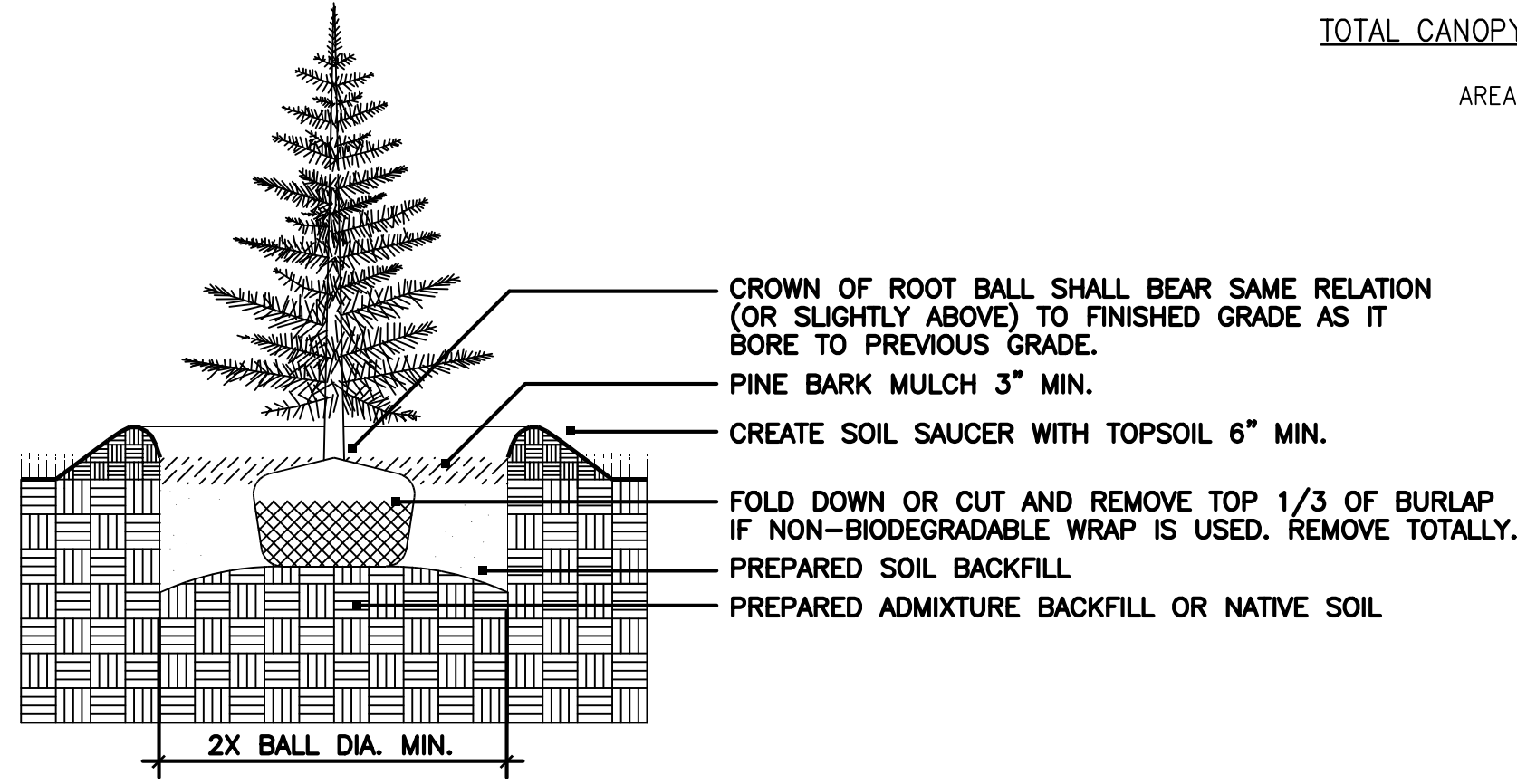
GROSS SITE AREA (1.86 AC.) = 81,021.6 SF.
MULTIPLIED BY PERCENTAGE OF TREE COVER REQUIRED (U=10%) = 8,103 SF

CANOPY AREA REQUIRED: = 8,103 SF

AREA OF EXISTING WOODLANDS TO BE PRESERVED: = 24,239 SF
CANOPY AREA OF TREES TO BE PLANTED: SF = 6,840

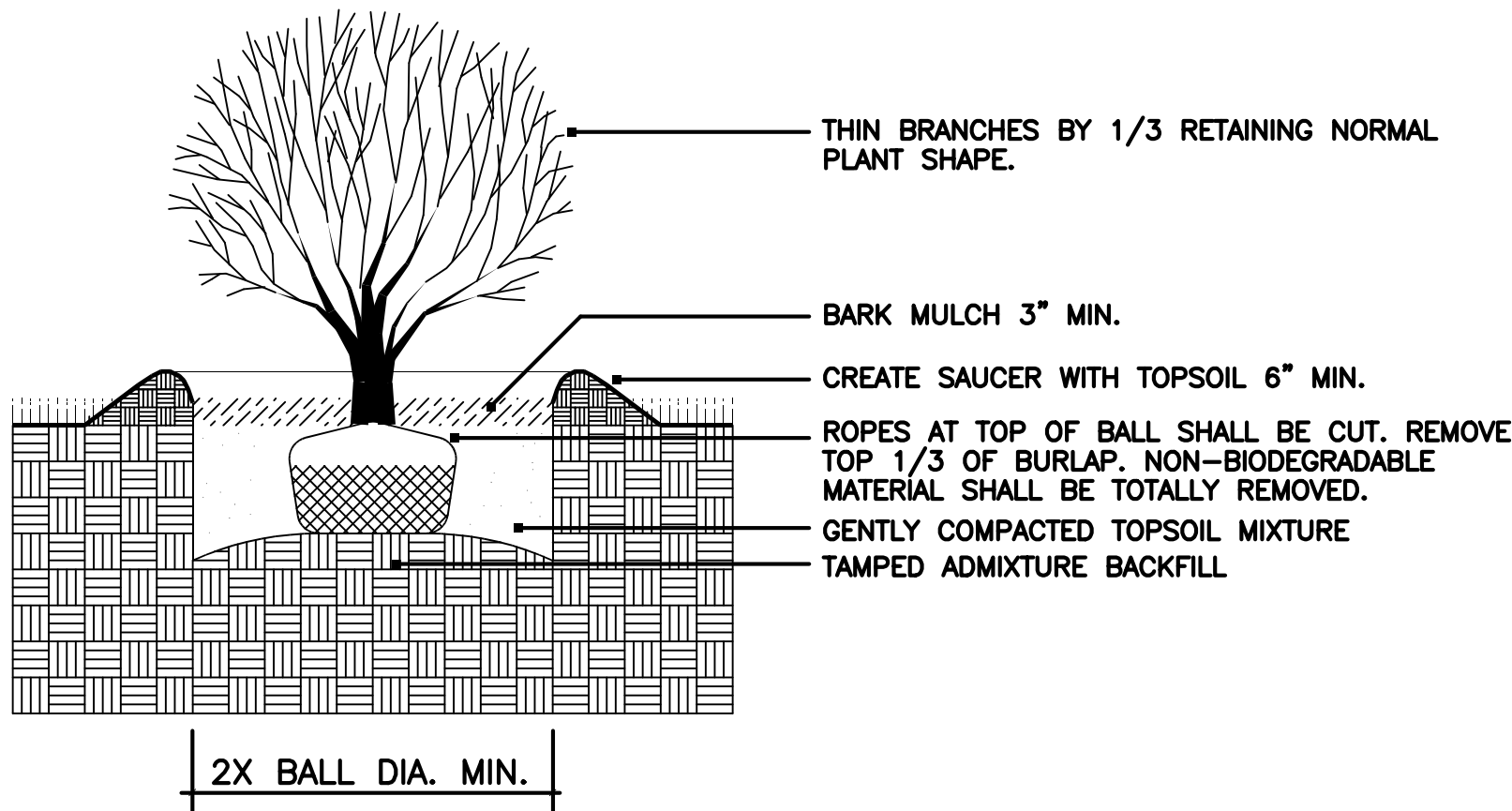
TOTAL CANOPY AREA PROVIDED: = 31,079 SF

AREA PROVIDED EXCEEDS REQUIRED.



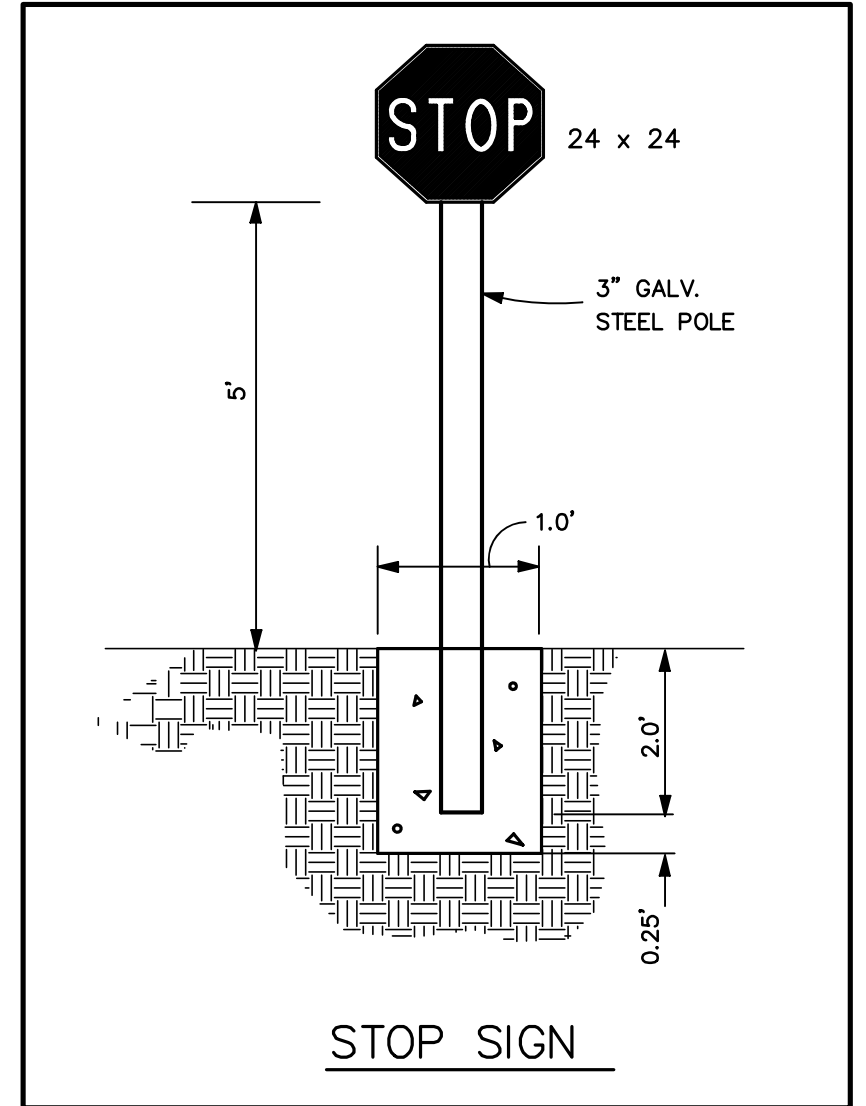
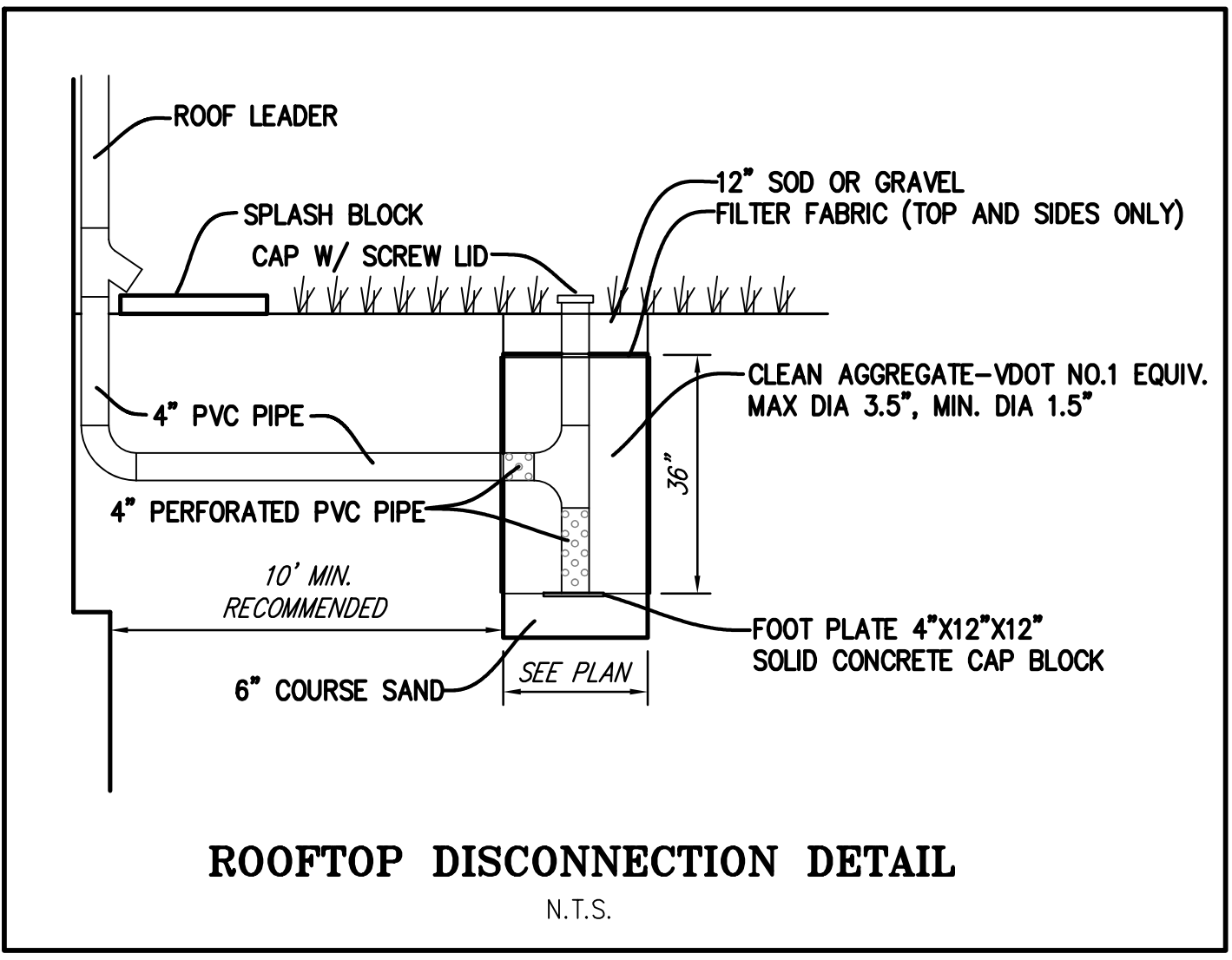
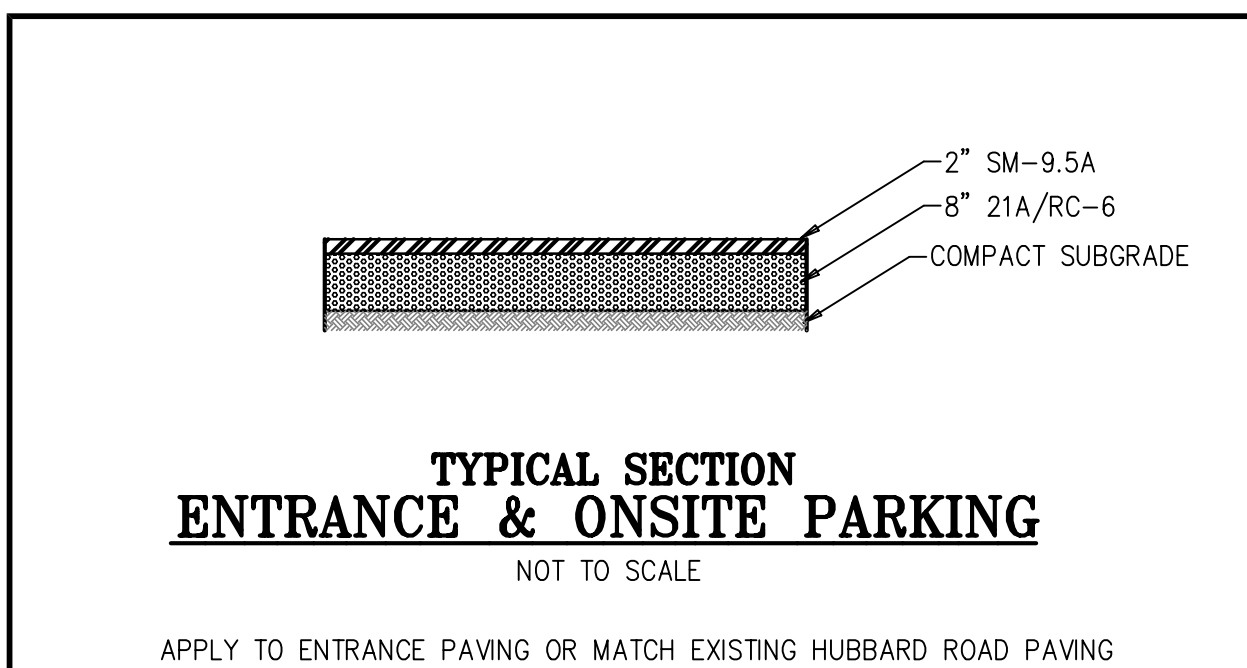
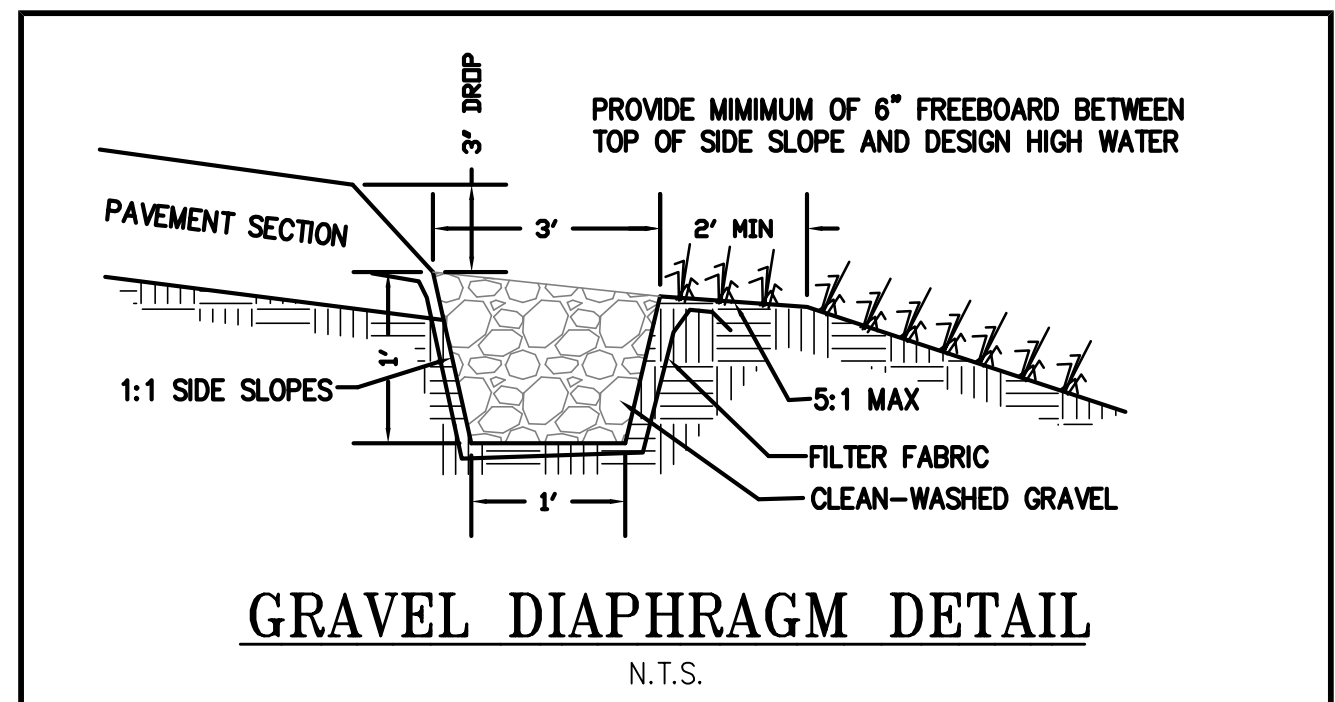
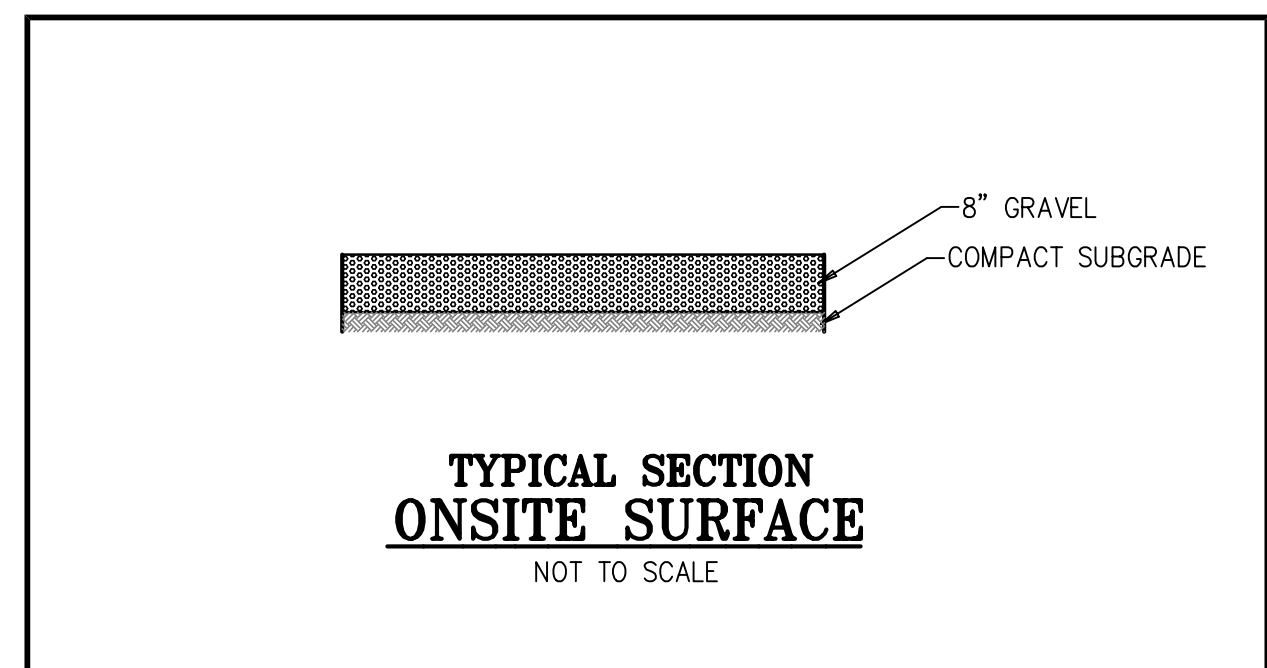
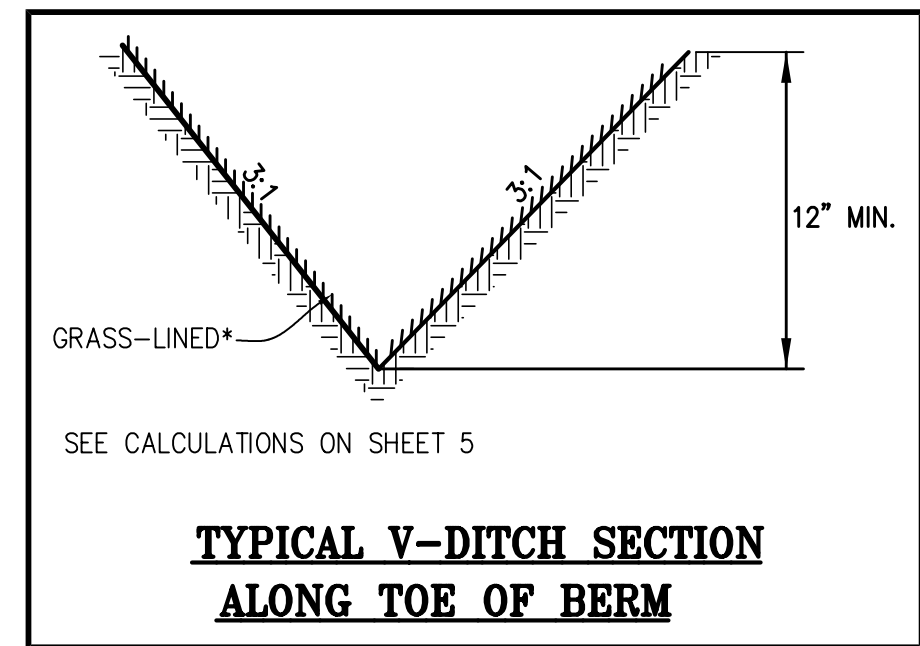
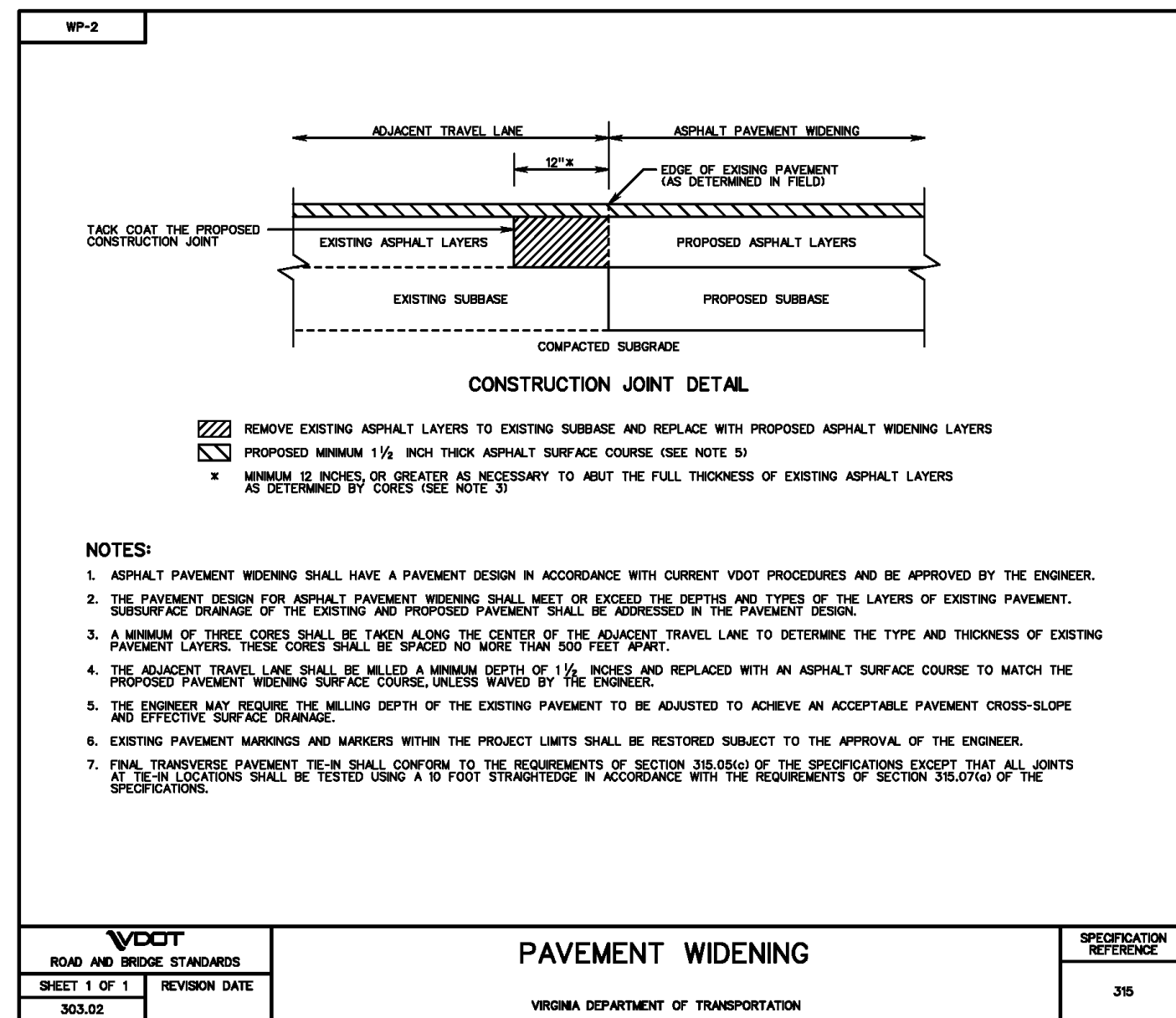
TYPICAL EVERGREEN PLANTING

NOT TO SCALE



SHRUB PLANTING DETAIL

NOT TO SCALE



NOTES:

1. OMIT COLLAR AROUND SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
2. INSTALL TOP OF PLANT BALL 2-3" ABOVE FINISH GRADE.
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND PLANT BALL.
4. SOAK PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION
5. SEE SPECIFICATIONS FOR OTHER PLANTING REQUIREMENTS.

PROTECTION:

THE APPLICANT SHALL BE RESPONSIBLE FOR AND EMPLOY REASONABLE EFFORTS FOR THE PROTECTION OF THE TOPS, TRUNKS AND ROOTS OF ALL EXISTING TREES, AS WELL AS OTHER VEGETATION ON THE SITE. PROTECTION DEVICES SHALL BE INSTALLED ALONG THE LIMITS OF CLEARING AND GRADING, PRIOR TO ANY CONSTRUCTION OCCURRING ON-SITE. SUCH PROTECTION SHALL BE MAINTAINED UNTIL ALL WORK IN THE VICINITY HAS BEEN COMPLETED, AND SHALL NOT BE REMOVED WITHOUT THE CONSENT OF THE ZONING ADMINISTRATOR.

MAINTENANCE:

DEAD AND DYING TREES AND REPLACEMENTS. THE APPLICANT SHALL REPLACE ANY TREES PLANTED ALONG THE FORESTED BUFFER THAT DIE WITHIN THREE (3) YEARS OF PLANTING. IF ANY TREES SHOWN ON THE APPROVED SITE PLAN TO BE PRESERVED OR PLANTED AS PART OF THE PERIMETER BUFFER BECOME DISEASED OR ARE DYING, THEN THE APPLICANT MAY REMOVE THOSE TREES. IF THE REMOVED TREES ARE PART OF THE SCREENING BUFFER AS SHOWN ON THE APPROVED LANDSCAPE/BUFFER PLAN, THEN THE APPLICANT SHALL REPLACE WITH SUCH NUMBER OF TREES AS ARE NECESSARY TO SATISFY THE SCREENING INTENT OF THE APPROVED LANDSCAPE/BUFFER PLAN. THE REPLACEMENT TREES MUST BE EQUIVALENT TO THAT SHOWN ON THE APPROVED PLAN.

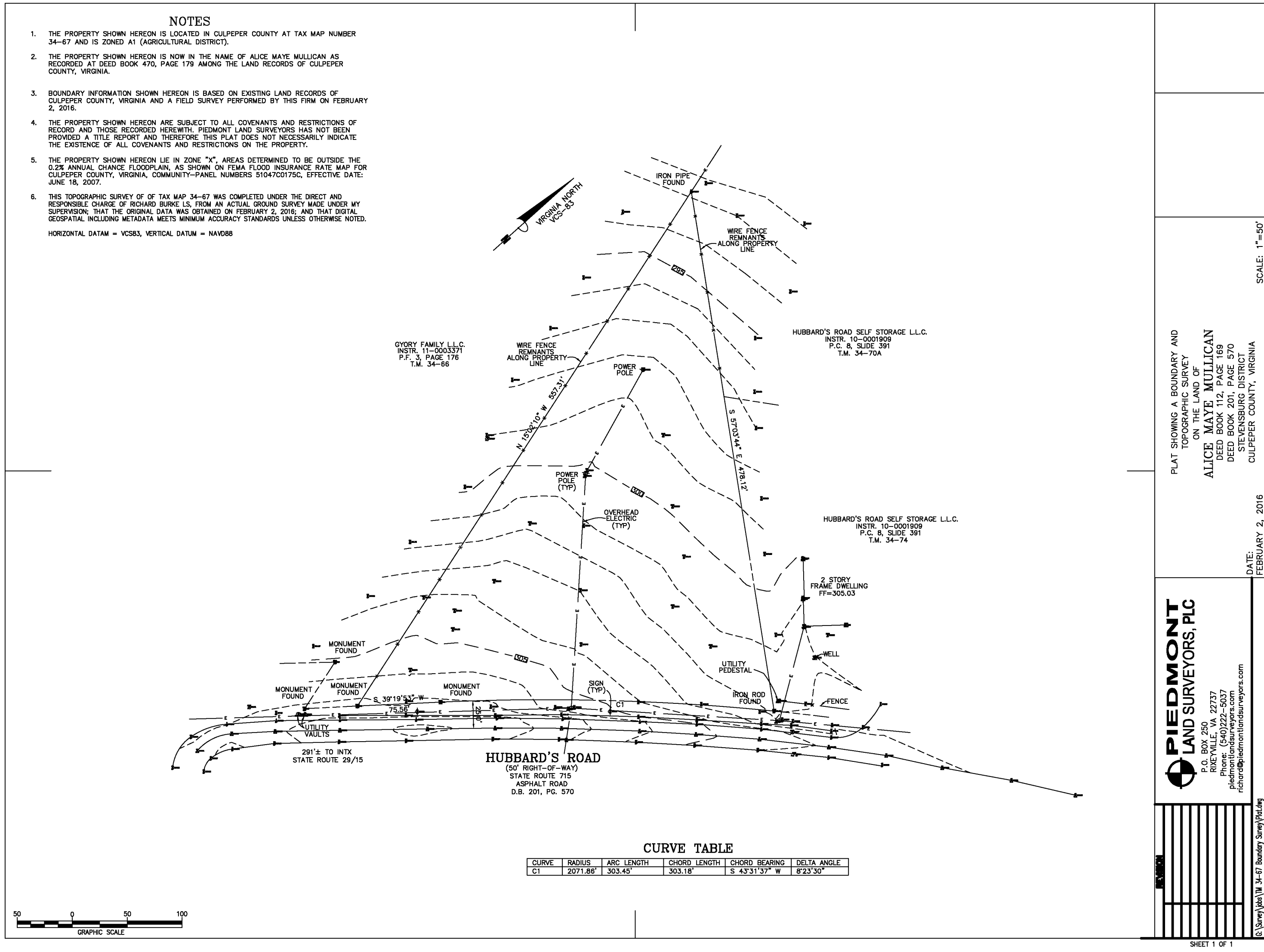
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SUITE 201
CULPEPER, VIRGINIA 22701



GENERAL NOTES & DETAILS
SITE PLAN AMENDMENT
CAN'T TOUCH THIS LLC
STEVENSURG MAGISTERIAL DISTRICT - CULPEPER COUNTY, VIRGINIA

SCALE: AS NOTED
DATE: 11/25/2024
REVISIONS:

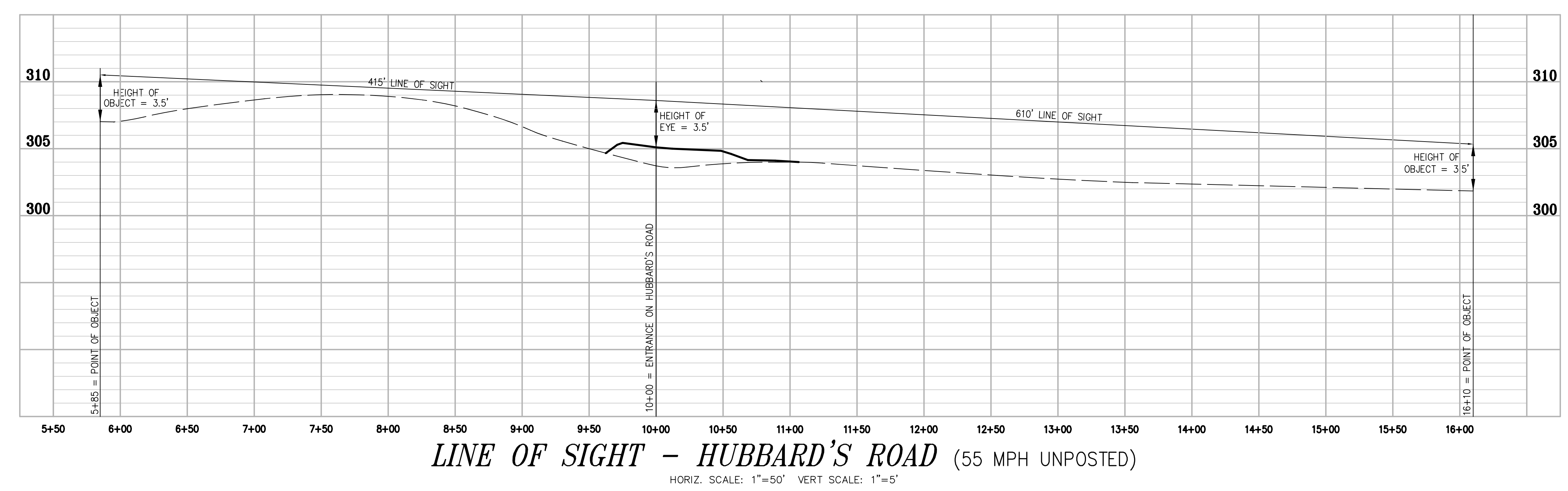
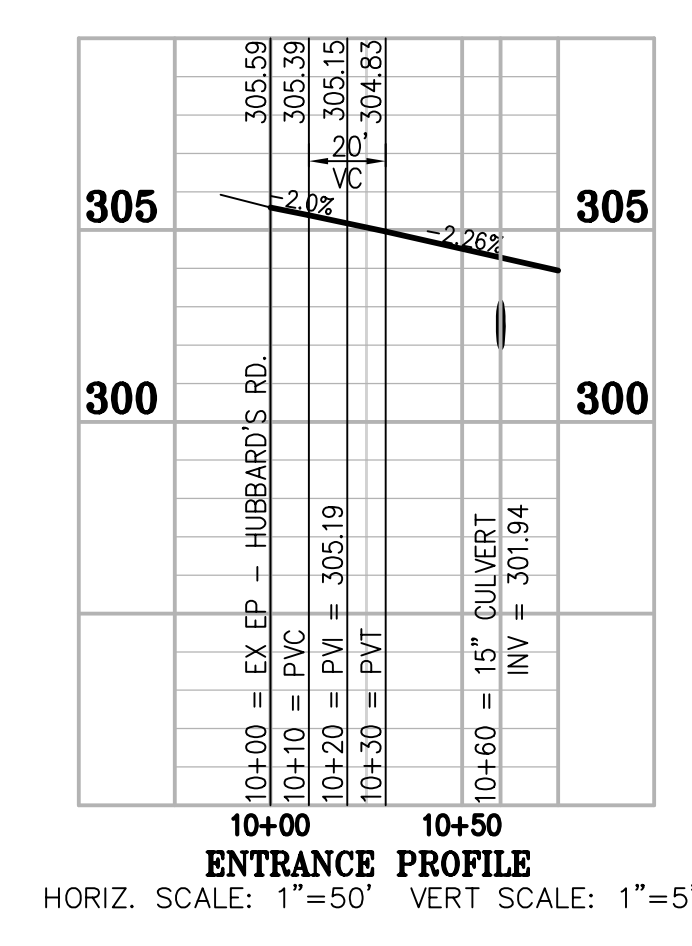
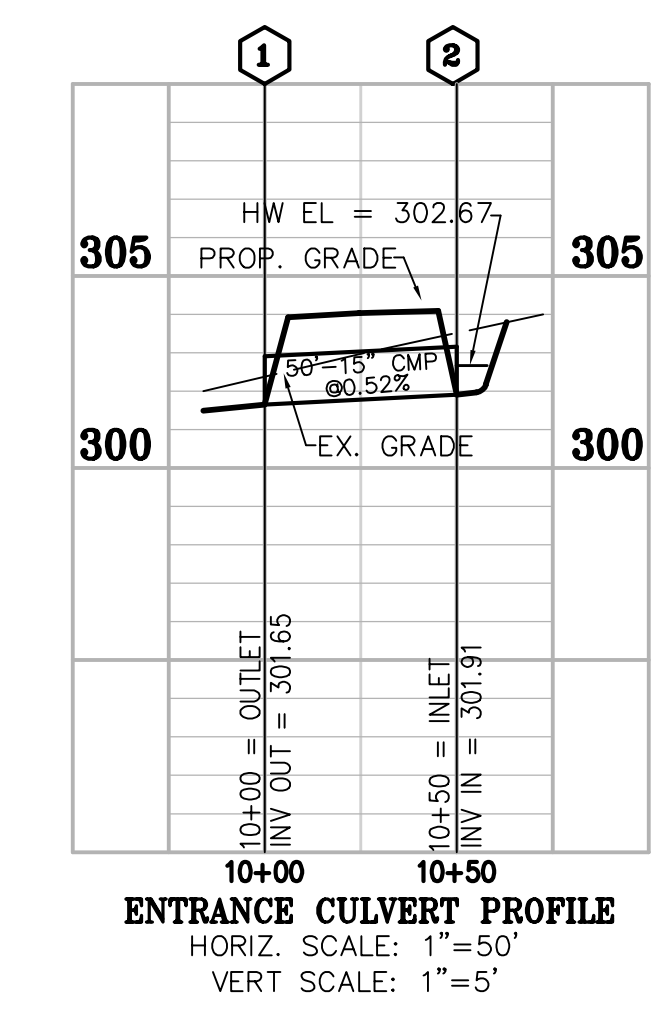
SHEET 2 OF 6
FILE NO. 1276



NOTE: ABOVE SURVEY HAS BEEN REDUCED.

PROJECT: UTT		STA / STR: CULVERT 1-2		DESIGNER / DATE: JOHN		11/5/2024	
HYDROLOGICAL DATA				CULVERT DESIGN FORM			
METHOD:	Rational (Q=CIA)	CULVERT TYPE:	CMP				
AREA =	0.28	ENT. TYPE:	NONE				
Tc = 5 min.	C = 0.42	NO. OF PIPES =	1				
Intensity:	i 2 YEAR = 6.93	DIAMETER =	1.25 FT				
DESIGN FLOWS / TAILWATER				MANNING'S			
R.I. (YEARS)	FLOW (CFS)	TW (FT)	N =	0.024			
2	0.00	1	Ke =	0.5			
10	0.81	1	ELi =	301.91			
			ELo =	301.65			
CULVERT DESCRIPTION:				HEADWATER CALCULATIONS			
MATERIAL-SHAPE-SIZE-ENTRANCE				CONTROL			
18" CMP WITH NO END SECTION				INLET CONTROL			
10 YEAR				OUTLET CONTROL			
Q (CFS)				HW ELEV.			
0.81				302.69			
Q PER BARREL (CFS)				APPROX OUTLET VEL.			
0.81				2.70			
HW/D				COMMENTS			
0.42				O.C.			
HWI							
0.53							
EL(hi)							
302.44							
TW							
1							
dc							
0.36							
(dc+D)/2							
0.80							
ho							
1.00							
Ke							
0.5							
H							
0.04							
EL(ho)							
302.69							

- TECHNICAL FOOTNOTES:**
- HWI BASED ON POLYNOMIAL BEST-FIT EQUATIONS FROM THE FHA PUBLICATION ENTITLED CALCULATOR DESIGN SERIES #3
 - HWI MAY NOT BE ACCURATE FOR VALUES < 0.5D AND > 4.5D
 - EL(hi) = HWI + ELi (INVERT OF INLET CONTROL SECTION)
 - TW BASED ON DOWNSTREAM CONTROL OR FLOW DEPTH IN CHANNEL
 - ho = TW OR (dc+D)/2 WHICHEVER IS GREATER
 - H = (1 + Ke + (29 m^2 L) / R^1.33) V^2 / 2g
 - EL(ho) = ELo + H + ho



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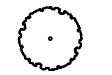

PROFILES AND SURVEY PLAT
 SITE PLAN AMENDMENT
CAN'T TOUCH THIS LLC
 STEVENSBURG MAGISTERIAL DISTRICT - CULPEPER COUNTY, VIRGINIA

SCALE: AS NOTED
 DATE: 11/25/2024
 REVISIONS:

SHEET **3** OF **6**
 FILE NO. 1276

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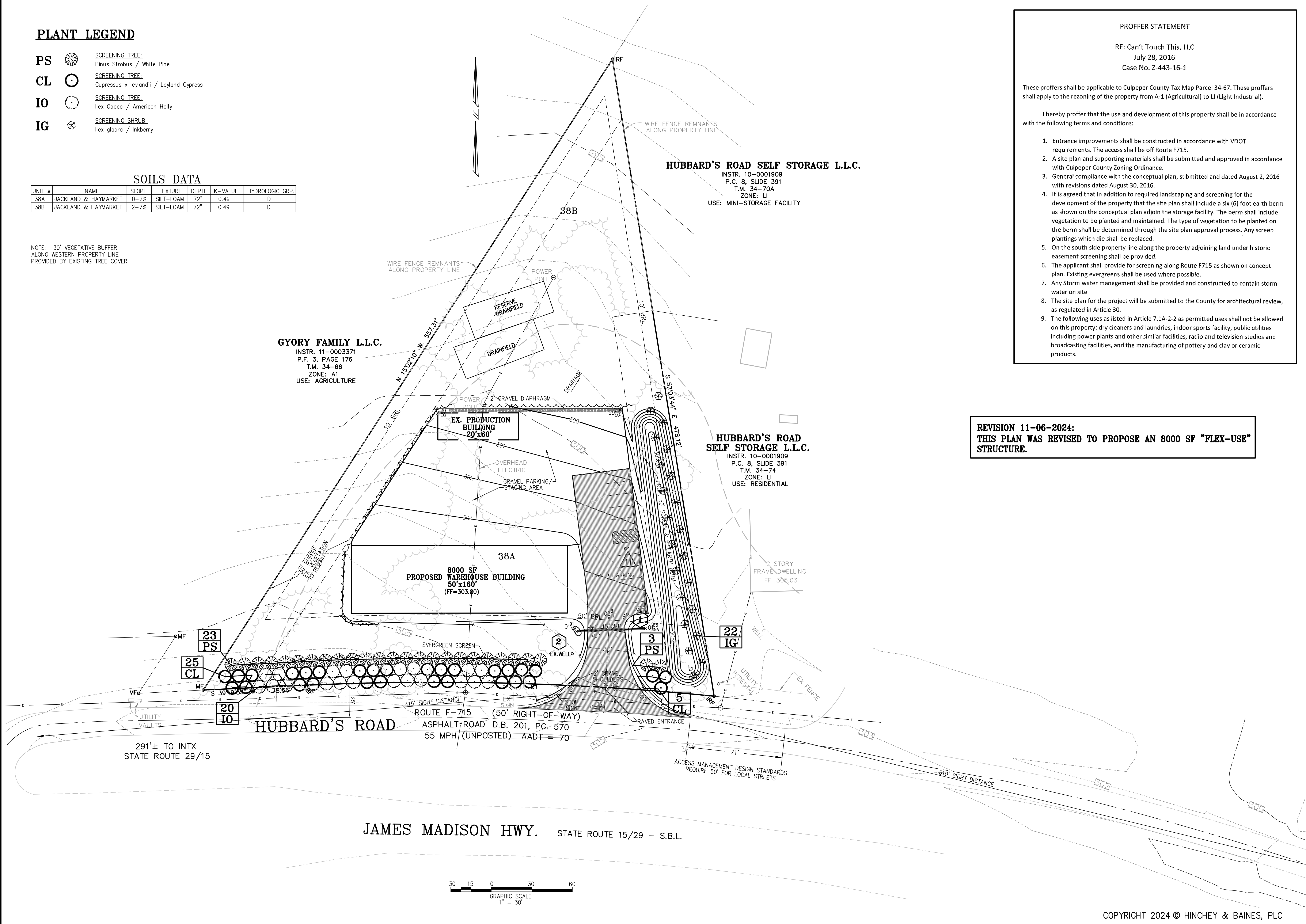
PLANT LEGEND

- PS  SCREENING TREE:
Pinus Strobos / White Pine
- CL  SCREENING TREE:
Cupressus x leylandii / Leyland Cypress
- IO  SCREENING TREE:
Ilex Opaca / American Holly
- IG  SCREENING SHRUB:
Ilex glabra / Inkberry

SOILS DATA

UNIT #	NAME	SLOPE	TEXTURE	DEPTH	K-VALUE	HYDROLOGIC GRP.
38A	JACKLAND & HAYMARKET	0-2%	SILT-LOAM	72"	0.49	D
38B	JACKLAND & HAYMARKET	2-7%	SILT-LOAM	72"	0.49	D

NOTE: 30' VEGETATIVE BUFFER
ALONG WESTERN PROPERTY LINE
PROVIDED BY EXISTING TREE COVER.



PROFFER STATEMENT

RE: Can't Touch This, LLC
July 28, 2016
Case No. Z-443-16-1

These proffers shall be applicable to Culpeper County Tax Map Parcel 34-67. These proffers shall apply to the rezoning of the property from A-1 (Agricultural) to LI (Light Industrial).

I hereby proffer that the use and development of this property shall be in accordance with the following terms and conditions:

1. Entrance improvements shall be constructed in accordance with VDOT requirements. The access shall be off Route F715.
2. A site plan and supporting materials shall be submitted and approved in accordance with Culpeper County Zoning Ordinance.
3. General compliance with the conceptual plan, submitted and dated August 2, 2016 with revisions dated August 30, 2016.
4. It is agreed that in addition to required landscaping and screening for the development of the property that the site plan shall include a six (6) foot earth berm as shown on the conceptual plan adjoin the storage facility. The berm shall include vegetation to be planted and maintained. The type of vegetation to be planted on the berm shall be determined through the site plan approval process. Any screen plantings which die shall be replaced.
5. On the south side property line along the property adjoining land under historic easement screening shall be provided.
6. The applicant shall provide for screening along Route F715 as shown on concept plan. Existing evergreens shall be used where possible.
7. Any Storm water management shall be provided and constructed to contain storm water on site
8. The site plan for the project will be submitted to the County for architectural review, as regulated in Article 30.
9. The following uses as listed in Article 7.1A-2-2 as permitted uses shall not be allowed on this property: dry cleaners and laundries, indoor sports facility, public utilities including power plants and other similar facilities, radio and television studios and broadcasting facilities, and the manufacturing of pottery and clay or ceramic products.

REVISION 11-06-2024:
THIS PLAN WAS REVISED TO PROPOSE AN 8000 SF "FLEX-USE" STRUCTURE.

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SITE PLAN
SITE PLAN AMENDMENT
CAN'T TOUCH THIS LLC
STEVENSURG MAGISTERIAL DISTRICT - CULPEPER COUNTY, VIRGINIA

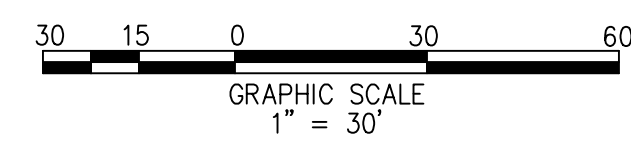
SCALE: 1"=20'

DATE: 11-25-2024

REVISIONS:

SHEET
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FILE NO.
1276



9VAC25-840-40. MINIMUM STANDARDS

A VESCP MUST BE CONSISTENT WITH THE FOLLOWING CRITERIA, TECHNIQUES AND METHODS:

- PERMANENT SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
- DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES, THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
- PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
- SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
- STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
- SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN.
 - THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA AND THE TRAP SHALL ONLY CONTROL DRAINAGE AREAS LESS THAN THREE ACRES.
 - SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED BY A SEDIMENT BASIN. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT BASIN SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA. THE OUTFALL SYSTEM SHALL, AT A MINIMUM, MAINTAIN THE STRUCTURAL INTEGRITY OF THE BASIN DURING A 25-YEAR STORM OF 24-HOUR DURATION. RUNOFF COEFFICIENTS USED IN RUNOFF CALCULATIONS SHALL CORRESPOND TO A BARE EARTH CONDITION OR THOSE CONDITIONS EXPECTED TO EXIST WHILE THE SEDIMENT BASIN IS UTILIZED.
- CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.
- CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.
- WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.
- ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.
- WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS.
- WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED.
- ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.
- THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.
- UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
 - NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
 - EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
 - EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
 - MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
 - RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THIS CHAPTER.
 - APPLICABLE SAFETY REQUIREMENTS SHALL BE COMPLIED WITH.
- WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE VESCP AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

- PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA. STREAM RESTORATION AND RELOCATION PROJECTS THAT INCORPORATE NATURAL CHANNEL DESIGN CONCEPTS ARE NOT MAN-MADE CHANNELS AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS:
 - CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN-MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED.
 - ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:
 - THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION; OR
 - (a) NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A TWO-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED OR BANKS.
 - (b) ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND
 - (c) PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.
 - IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL:
 - IMPROVE THE CHANNELS TO A CONDITION WHERE A TEN-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL, THE BED, OR THE BANKS; OR
 - IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES;
 - DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PRE DEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR
 - PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE VESCP AUTHORITY TO PREVENT DOWNSTREAM EROSION.
 - THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.
 - ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT CONDITION OF THE SUBJECT PROJECT.
 - IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE VESCP OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE.
 - OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS SHALL BE PLACED AT THE OUTFALL OF ALL DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABILIZED TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL.
 - ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE.
 - INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY.
 - IN APPLYING THESE STORMWATER MANAGEMENT CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT, AS A WHOLE, SHALL BE CONSIDERED TO BE A SINGLE DEVELOPMENT PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT CONDITION SHALL BE USED IN ALL ENGINEERING CALCULATIONS.
 - ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EMPLOYED IN A MANNER WHICH MINIMIZES IMPACTS ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS AND OTHER WATERS OF THE STATE.
 - ANY PLAN APPROVED PRIOR TO JULY 1, 2014, THAT PROVIDES FOR STORMWATER MANAGEMENT THAT ADDRESSES ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS IF SHALL SATISFY THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN THE PRACTICES ARE DESIGNED TO (I) DETAIN THE WATER QUALITY VOLUME AND TO RELEASE IT OVER 48 HOURS; (II) DETAIN AND RELEASE OVER A 24-HOUR PERIOD THE EXPECTED RAINFALL RESULTING FROM THE ONE YEAR, 24 HOUR STORM; AND (III) REDUCE THE ALLOWABLE PEAK FLOW RATE RESULTING FROM THE 1.5, 2, AND 10 YEAR, 24 HOUR STORMS TO A LEVEL THAT IS LESS THAN OR EQUAL TO THE PEAK FLOW RATE FROM THE SITE ASSUMING IT WAS IN A GOOD FORESTED CONDITION, ACHIEVED THROUGH MULTIPLICATION OF THE FORESTED PEAK FLOW RATE BY A REDUCTION FACTOR THAT IS EQUAL TO THE RUNOFF VOLUME FROM THE SITE WHEN IT WAS IN A GOOD FORESTED CONDITION DIVIDED BY THE RUNOFF VOLUME FROM THE SITE IN ITS PROPOSED CONDITION, AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS AS DEFINED IN ANY REGULATIONS PROMULGATED PURSUANT TO § 62.1-44.15:54 OR 62.1-44.15:65 OF THE ACT.
 - FOR PLANS APPROVED ON AND AFTER JULY 1, 2014, THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS OF § 62.1-44.15:52 A OF THE ACT AND THIS SUBSECTION SHALL BE SATISFIED BY COMPLIANCE WITH WATER QUANTITY REQUIREMENTS IN THE STORMWATER MANAGEMENT ACT (§ 62.1-44.15:24 ET SEQ. OF THE CODE OF VIRGINIA) AND ATTENDANT REGULATIONS, UNLESS SUCH LAND DISTURBING ACTIVITIES ARE IN ACCORDANCE WITH 9VAC25-870-48 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSM) PERMIT REGULATIONS. N. COMPLIANCE WITH THE WATER QUANTITY MINIMUM STANDARDS SET OUT IN 9VAC25-870-66 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSM) REGULATIONS SHALL BE DEEMED TO SATISFY THE REQUIREMENTS OF SUBDIVISION 19 OF THIS SUBSECTION.

MAINTENANCE

- TEMPORARY CONSTRUCTION ENTRANCE - 3.02
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
- SILT FENCE - 3.05
SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
- PERMANENT SEEDING - 3.32
WHEN IT IS CLEAR THAT PLANTS HAVE NOT GERMINATED ON AN AREA OR HAVE DIED, THESE AREAS MUST BE RESEEDED IMMEDIATELY TO PREVENT EROSION DAMAGE. HOWEVER, IT IS EXTREMELY IMPORTANT TO DETERMINE FOR WHAT REASON GERMINATION DID NOT TAKE PLACE AND MAKE ANY CORRECTIVE ACTION NECESSARY PRIOR TO RESEEDING THE AREA.

TEMPORARY SEEDING REQUIREMENTS

VE SCH - TABLE 3.31-B

50/50 MIX OF ANNUAL RYEGRASS AND CEREAL (WINTER) RYE @ 50-100 LBS/ACRE (SEPT. 1 - FEB. 15)
OR
ANNUAL RYEGRASS @ 60-100 LBS/ACRE (FEB. 15 - APR. 30)
OR
GERMAN MILLET @ 50 LBS/ACRE (MAY 1 - AUG. 31)

FERTILIZER: 10/20/10 MIX @ 600 LBS/ACRE
LIME: AGRICULTURAL LIMESTONE @ 2 TONS/ACRE
STRAW MULCH: APPLIED @ 1.5-2.0 TONS/ACRE

PERMANENT SEEDING REQUIREMENTS

VE SCH - TABLE 3.32-D

COMMERCIAL/RESIDENTIAL MIXTURE @ 175-200 LBS/ACRE
KENTUCKY 31 OR TURF TYPE TALL FESCUE (95-100%)
IMPROVED PERENNIAL RYEGRASS (0-5%)
KENTUCKY BLUEGRASS (0-5%)

FERTILIZER: 10/20/10 MIX @ 600 LBS/ACRE
LIME: AGRICULTURAL LIMESTONE @ 2 TONS/ACRE
STRAW MULCH: APPLIED @ 1.5-2.0 TONS/ACRE

TABLE 3.32-D SITE SPECIFIC SEEDING MIXTURES FOR PIEDMONT AREA		Total Lbs. Per Acre.
Minimum Care Lawn		
- Commercial or Residential		175-200 lbs.
- Kentucky 31 or Turf-Type Tall Fescue		95-100%
- Improved Perennial Ryegrass		0-5%
- Kentucky Bluegrass		0-5%
High-Maintenance Lawn		200-250 lbs.
- Kentucky 31 or Turf-Type Tall Fescue		100%
General Slope (3:1 or less)		
- Kentucky 31 Fescue		128 lbs.
- Red Top Grass		2 lbs.
- Seasonal Nurse Crop *		20 lbs.
		150 lbs.
Low-Maintenance Slope (Steeper than 3:1)		
- Kentucky 31 Fescue		108 lbs.
- Red Top Grass		2 lbs.
- Seasonal Nurse Crop *		20 lbs.
- Crownvetch **		20 lbs.
		150 lbs.

* Use seasonal nurse crop in accordance with seeding dates as stated below:
February 16th through April Annual Rye
May 1st through August 15th Foxtail Millet
August 16th through October Annual Rye
November through February 15th Winter Rye

** Substitute Sericea lespedeza for Crownvetch east of Farmville, Va. (May through September use hulled Sericea, all other periods, use unhulled Sericea). If Flupra is used in lieu of Crownvetch, increase rate to 30 lbs./acre. All legume seed must be properly inoculated. Weeping Lovegrass may be added to any slope or low-maintenance mix during warmer seeding periods; add 10-20 lbs./acre in mixes.

TABLE 3.31-B ACCEPTABLE TEMPORARY SEEDING PLANT MATERIALS 'QUICK REFERENCE FOR ALL REGIONS'		
Planting Dates	Species	Rate (lbs./acre)
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (Lolium multi-florum) & Cereal (Winter) Rye (Secale cereale)	50 - 100
Feb. 16 - Apr. 30	Annual Ryegrass (Lolium multi-florum)	60 - 100
May 1 - Aug 31	German Millet (Setaria italica)	50

EROSION & SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION:

TOTAL SITE AREA: 1.86 ACRES. A TOTAL OF 0.99 ACRES WILL BE DISTURBED DURING CONSTRUCTION. THE PURPOSE OF THIS PROJECT IS TO CLEAR AND GRADE THE SITE FOR THE CONSTRUCTION OF A COMMERCIAL TRUCK-PAINTING FACILITY

PROJECT LOCATION:

THE SITE IS LOCATED IN CULPEPER COUNTY ON HUBBARD'S RUN ROAD WHICH RUNS NORTH OF AND PARALLEL TO JAMES MADISON HIGHWAY (US RTE 15 & 29) BETWEEN RICHLAND'S ROAD AND THE TOWN OF REMINGTON. THIS PROJECT WILL DISTURB APPROXIMATELY 0.99 ACRES.

EXISTING SITE CONDITIONS:

THIS SITE IS MOSTLY WOODED. THE AREA IS GENTLY SLOPING WITH SLOPES OF 2-5%.

ADJACENT PROPERTY:

IT IS BOUNDED ON THE SOUTH BY HUBBARD'S RUN ROAD, ON THE WEST BY A LARGE AGRICULTURAL PROPERTY AND TO THE EAST BY A SELF-STORAGE FACILITY WITH A CARETAKER'S RESIDENCE.

CRITICAL EROSION AREAS:

THERE ARE NO CRITICAL AREAS.

EROSION AND SEDIMENT CONTROL MEASURES:

ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE V.E.S.C.H. 3RD ED. 1992 AND SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

PRIOR TO DEVELOPMENT, THE LIMITS OF CLEARING SHALL BE CLEARLY MARKED ON THE PROPERTY AND SUITABLE PROTECTIVE BARRIERS SHALL BE ERECTED 5 FEET OUTSIDE THE DRIP LINE OF ANY TREE OR STAND OF TREES TO BE PRESERVED WITHIN 100 FEET OF THE CONSTRUCTION FOOTPRINT. THE BARRIERS SHALL REMAIN ERECTED THROUGHOUT ALL PHASES OF CONSTRUCTION. THE STORAGE OF EQUIPMENT, MATERIALS, DEBRIS OR FILL SHALL NOT BE ALLOWED WITHIN THE AREA TO BE PROTECTED BY THE BARRIER.

THE E&S INSPECTOR HAS THE AUTHORITY TO ADD OR DELETE E&S CONTROLS AS NECESSARY IN THE FIELD AS SITE CONDITIONS CHANGE. A PRE-CONSTRUCTION MEETING IS REQUIRED WITH THE COUNTY ENVIRONMENTAL STAFF PRIOR TO THE INSTALLATION OF ANY EROSION AND SEDIMENT CONTROLS OR START OF ANY LAND DISTURBING ACTIVITY. IN ADDITION, NO SEDIMENT BASIN OR TRAP CAN BE REMOVED WITHOUT WRITTEN AUTHORIZATION.

TEMPORARY AND PERMANENT SOIL STABILIZATION: ALL CUT AND FILL SLOPES ARE TO BE STABILIZED IMMEDIATELY UPON COMPLETION IN ACCORDANCE WITH MINIMUM STANDARD NO. 5. AREAS NOT TO BE PAVED SHALL RECEIVE PERMANENT SEEDING AND MULCHING IN ACCORDANCE WITH SPEC 3.32. DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 14 DAYS SHALL RECEIVE TEMPORARY SEEDING AND MULCHING IN ACCORDANCE WITH SPEC 3.31. SEE SEEDING REQUIREMENTS, THIS SHEET.

STRUCTURAL PRACTICES:

- SILT FENCE BARRIER - 3.05
SILT FENCE SEDIMENT BARRIERS WILL BE INSTALLED DOWNSLOPE OF AREAS WITH MINIMAL GRADES TO FILTER SEDIMENT-LADEN RUNOFF FROM SHEET FLOW.
- TEMPORARY CONSTRUCTION ENTRANCE - 3.02
TEMPORARY CONSTRUCTION ENTRANCE WITH WASH RACK SHALL BE INSTALLED AT THE SITE ACCESS POINT. DURING MUDDY CONDITIONS, DRIVERS OF CONSTRUCTION VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING THE ADJACENT ROADWAY.
- SAFETY FENCE - 3.01
SAFETY FENCING SHALL BE INSTALLED AROUND THE PROPOSED DRAINFIELD SITE PRIOR TO BEGINNING CONSTRUCTION AND GRADING.
- CULVERT INLET PROTECTION - 3.08
SILT-FENCE CULVERT INLET PROTECTION SHALL BE INSTALLED AT THE INLET OF THE ENTRANCE CULVERT.
- OUTLET PROTECTION - 3.18
OUTLET PROTECTION SHALL BE INSTALLED AT THE OUTLET OF THE ENTRANCE CULVERT
- SURFACE-ROUGHENING - 3.29
THE BANKS OF THE PROPOSED BERM ALONG THE EASTERN EDGE OF THE PROPERTY SHALL BE ROUGHENED BY TRACKING TO PREVENT EROSION UNTIL THE PERMANENT SEEDING IS ESTABLISHED.

VEGETATIVE PRACTICES:

- TOP SOILING (STOCKPILE) - 3.30
TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATIONS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR SEDIMENT TRAPPING MEASURES PRIOR TO LAND-DISTURBING ACTIVITIES. SUBMIT A SUPPLEMENTARY EROSION AND SEDIMENT PLAN TO THE OWNER COVERING THE STOCKPILE AREA WHICH MAY HAVE TO BE APPROVED BY THE PLAN AUTHORITY BEFORE ANY ACTIVITY COMMENCES. NO SOIL IS TO BE TAKEN OFFSITE.
- TEMPORARY SEEDING - 3.31
ALL DENUDED AREAS WHICH WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME SHALL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED.

CONSTRUCTION SEQUENCE:

- CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
- INSTALL TEMPORARY CONSTRUCTION ENTRANCE WITH WASH RACK AT ENTRANCE LOCATION OF CONSTRUCTION SITE. MUD AND DEBRIS SHALL BE WASHED FROM ALL CONSTRUCTION VEHICLES AND EQUIPMENT BEFORE LEAVING THE SITE. A WATER TANKER TRUCK SHALL BE USED IF PUBLIC WATER IS NOT AVAILABLE.
- INSTALL PERIMETER CONTROLS AS SHOWN TO INCLUDE SILT FENCES AND SAFETY FENCING, SHALL BE INSTALLED AS A FIRST STEP IN GRADING PER THE EROSION & SEDIMENT CONTROL PLAN.
- GRADING OPERATIONS MAY COMMENCE ONCE PERIMETER CONTROLS, DIVERSIONS AND TRAPPING MEASURES ARE INSTALLED TO THE SATISFACTION OF THE INSPECTOR.
- CULVERT INLET PROTECTION AND OUTLET PROTECTION SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF THE ENTRANCE CULVERT.
- FILL SLOPE SURFACES SHALL BE LEFT IN ROUGHENED CONDITION TO REDUCE SHEET AND RILL EROSION OF THE SLOPES. THE CONTRACTOR SHALL REDIRECT CONCENTRATED FLOW AWAY FROM THE FILL SLOPES BY INSTALLING EARTH BERMS AND DIRECT THE RUN-OFF TO STABILIZED OUTLET OR SEDIMENT BASIN AND TRAPPING DEVICES.
- TEMPORARY SEEDING OR OTHER STABILIZATION WILL FOLLOW IMMEDIATELY AFTER GRADING.
- AREAS THAT ARE NOT TO BE DISTURBED WILL BE CLEARLY MARKED BY FLAGS, SIGNS, ETC.
- FOR VEGETATIVE STABILIZATION OF ALL DENUDED AREAS SEE EROSION CONTROL MEASURES AND VEGETATIVE PRACTICES.
- THE JOB SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.
- AFTER ACHIEVING ADEQUATE STABILIZATION, THE TEMPORARY EROSION AND SILTATION CONTROLS WILL BE CLEANED UP AND REMOVED AT THE DIRECTION OF THE SITE INSPECTOR.

CUT AND FILL FOR THE GRADED ON-SITE AREAS SHOULD BALANCE BUT ADDITIONAL FILL WILL NEED TO BE BROUGHT IN FROM OTHER APPROVED SITES FOR CONSTRUCTION OF THE BERM.

MAINTENANCE PROGRAM: ALL MEASURES ARE TO BE INSPECTED DAILY BY THE SITE SUPERINTENDENT. ANY DAMAGED STRUCTURAL MEASURE SHALL BE REPAIRED BY THE CLOSE OF DAY. SEE MAINTENANCE INSTRUCTIONS ON THIS SHEET FOR SPECIFIC MAINTENANCE PROCEDURES FOR EACH CONTROL MEASURE.

RLD NOTE:

RESPONSIBLE LAND DISTURBER REPORTS CAN BE AUDITED BY THE E&S INSPECTOR AT ANY TIME. IF RLD REPORTS ARE NOT PROVIDED, THE E&S INSPECTOR CAN REPORT THIS TO THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ). A FOLLOW UP INSPECTION MAY TAKE PLACE BY DEQ (VIRGINIA EROSION & SEDIMENT CONTROL LAW, SEC. 62.1-44.15:58).

MS-19 NOTE:

THERE WILL BE APPROXIMATELY 16,000 SF OF ASPHALT AND ROOFTOP AND ABOUT 15,000 SF OF GRAVEL SURFACE. DRAINAGE WILL NOT BE CONCENTRATED AND WILL LEAVE THE SITE BY SHEET FLOW TO THE NORTH AND WEST.

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EROSION AND SEDIMENT CONTROL NARRATIVE AND NOTES
SITE PLAN AMENDMENT
CAN'T TOUCH THIS LLC
STEVENSBURG MAGISTERIAL DISTRICT - CULPEPER COUNTY, VIRGINIA

SCALE: N/A
DATE: 11/25/2024
REVISIONS: