



**GNA / SPA PROJECT ROUND MOUNTAIN WEST
HUNTING CAMP GNA TIMBER SALE**

NOTICE OF TIMBER SALE

Sealed bids will be received for the purchase of all timber (sawtimber and pulpwood) designated and estimated for harvest on a selected portion of the George Washington & Jefferson National Forest, located in Bland County that is a part of the Eastern Divide Ranger District's Restoration Services Agreement with the Commonwealth of Virginia, Department of Forestry "Department". See attached maps. Bids will be received by the Virginia Department of Forestry, Attention: GNA Project Manager, 210 Riverland Drive, Salem, VA 24153, until 10:00 a.m., Thursday, September 27th, at which time all bids will be opened.

The Timber is owned by the U.S. Forest Service but is being sold by the "Department" under Good Neighbor Authority Supplemental Project Agreement #17-GN-11080800-001. The timber sale area contains approximately 99.4 acres of forestland consisting of mixed hardwood and pine sawtimber, and mixed pulpwood. All designated standing sawtimber and pulpwood is estimated and scheduled for harvesting under this contract in four (4) units. The timber sale unit boundaries are marked with 3 orange paint stripes facing into the units. Ingress and egress shall be only through access roads shown on the map or mutually agreed upon. All logging activity will be confined to the sale area and any logging debris accumulated outside the sale area must be pulled back inside the sale area. Stump height shall not exceed 10 inches above mineral soil.

All sawtimber and pulpwood sized trees within the sale area have been cruised. All merchantable timber is to be harvested except those trees that are designated by a banded Orange mark at DBH and marked at the stump along with any unit boundary trees, and trees marked in Blue paint designating the Streamside Management Zones (SMZ's) to be maintained along with equipment exclusion zones within each SMZ based on the stream classification and within the 99.4 acres designated by the 4 units.

Volume estimates and Timber Utilization standards for timber to be harvested are as follows:

Timber Utilization Standards						
Species¹	Product	Minimum Specifications				
		Merchantable Tree		Piece Required to be Removed		
		DBH² (inches)	No. of Minimum Pieces per Tree	Length (feet)	DIB³ (inches)	Net Scale in % of Gross Scale
All Softwoods	Sawtimber	12.0	1.5	8	8.0	30
All Hardwoods	Sawtimber ⁴	12.0	1.5	8	10.0	30
Low Grade Hardwoods (LGH) ⁵	Sawtimber	12.0	1.5	8	10.0	50
Below Grade Hardwoods (HWDC) ⁶	Sawtimber	12.0	1.5	8	10.0	50
Softwood	Pulpwood	6.0	1.5	10	3.5	NA ⁷
Hardwood	Pulpwood ⁸	6.0	1.5	10	3.5	NA ⁷

¹ Species Groups – the district will interact with local sawmills on lumber markets for all the hardwood species.

² DBH - Diameter at Breast Height. During marking, Chestnut Oak (CNO) should not be cruised as sawtimber unless it is at least 13.0" at DBH due to excessive bark thickness.

³ DIB – Diameter Inside Bark. During marking the cruisers will use 11" DOB (diameter outside bark) for hardwoods, 9" DOB for softwoods, and 4.0" for pulpwood to estimate DIB.

⁴ All Hardwood saw-timber must meet Forest Service Hardwood Tree Grade 3.

⁵ LGH - Low Grade Hardwood saw-timber is less than Forest Service Tree Grade 3 and is greater than 12" DBH. In appraisal zones 1 (Lee, Dry River) and 2 (Deerfield, Glenwood/Pedlar, Warm Springs, James River, New Castle, and Eastern Divide) the LGH species group is set up for tie logs, and construction use logs. In appraisal zone 3 (Clinch and Mt. Rogers NRA) this group may include all material >12" DBH that does not make Forest Service Tree Grade 3.

⁶ Below Grade (HWDC) – species group is set up for use in appraisal zones 1 and 2 to capture material that does not meet Forest Service Tree Grade 3 and is greater than 12" DBH. Appraisal Zone 3 may choose to use this group if a tie market emerges. This group will be tracked in TREV as code 008.

⁷Pulpwood is to be reasonably straight and sound.

⁸ Hardwood Fuelwood specifications will be the same as for hardwood pulpwood.

The following Table shows total sale volumes by species and are only estimates and not guaranteed. Each bidder is urged to use their own cruise data to compute bids.

SPECIES	TOTAL NUMBER OF TREES	TOTAL VOLUME Bd.Ft. INTERNATIONAL 1/4" RULE	TOTAL CORDS PULPWOOD
WHITE OAK	3,716	239.16 MBF	557.34
RED OAK	3,114	267.19 MBF	465.26
RED MAPLE	3,763	19.68 MBF	326.89
MISC. (CHERRY, GUM, POPLAR, HICK)	2,601	26.60 MBF	204.78
PINE (WHITE & SHORTLEAF)	281	12.82 MBF	20.72
TOTAL	13,475	565.45 MBF	1,574.99

The following Table shows the estimated volumes by Unit, these volumes will be used when determining the value needed for payment when starting operations within a "Payment Unit".

PAYMENT UNITS	TOTAL ACRES	TOTAL VOLUME Bd.Ft. INTERNATIONAL 1/4" RULE	TOTAL CORDS PULPWOOD
UNIT 1	16.3	89.11 MBF	184.44
UNIT 2	37.7	227.52 MBF	624.88
UNIT 3	38.3	221.13 MBF	616.16
UNIT 4	7.1	27.69 MBF	150.51
TOTAL	99.4	565.45 MBF	1,574.99

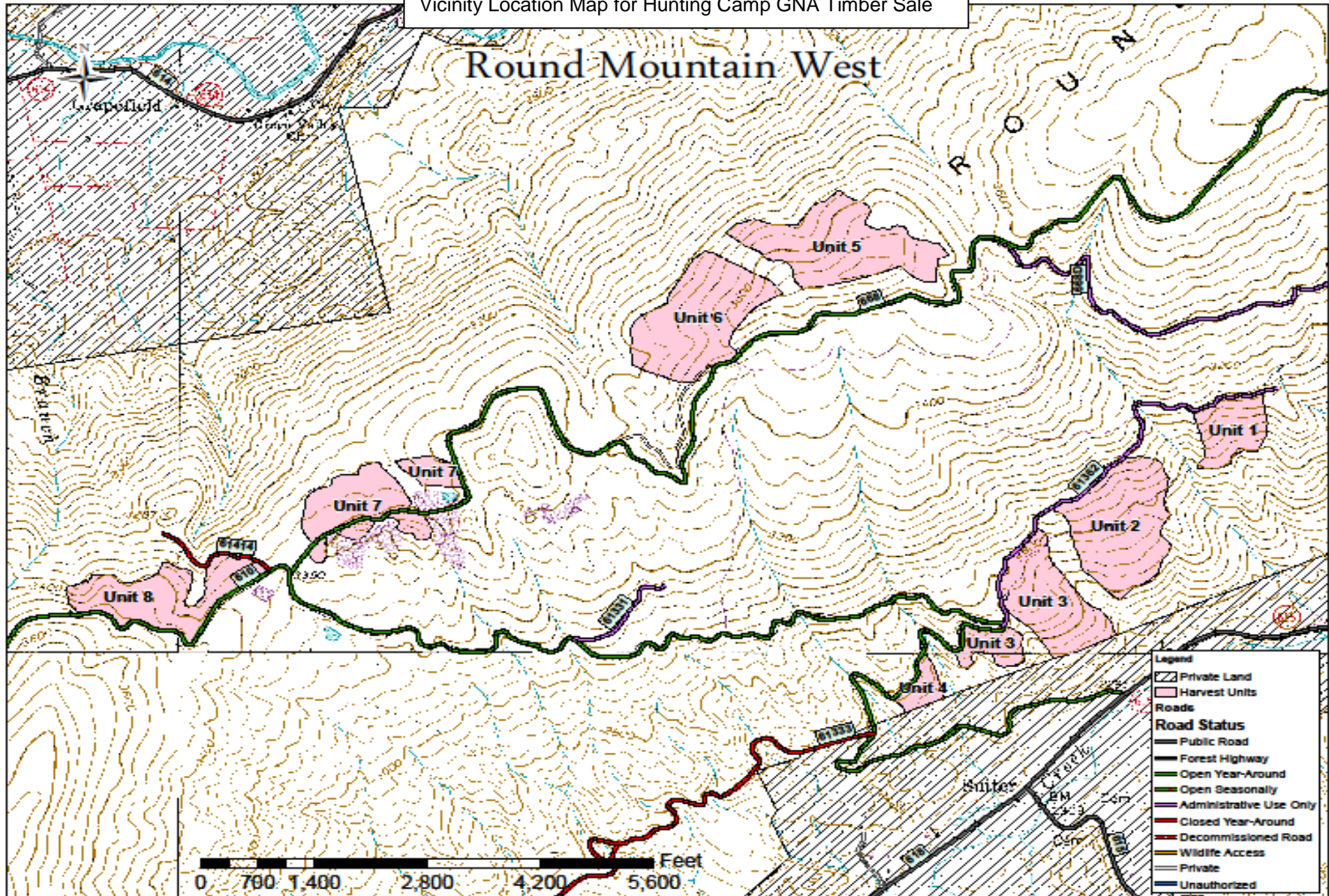
All bids will be on a lump sum basis for the timber offered. No bids on a log scale or mill tally basis will be considered. A 10% (total value of the sale) deposit must accompany all bids. In order for your bid to be accepted, the deposit must be in the form of a cashier's check, certified check, or business check made payable to the State Forester. The deposit will serve as a performance bond and be retained until satisfactory conclusion of the contract by the successful bidder, at which time it will be released. The Department reserves the right to reject any and all bids. Unsuccessful bidders will have their deposits returned immediately.

Full particulars, including proposal form and sample contract, may be secured from Ed Stoots, Project Manager, by contacting him at the Western Regional Office of the Virginia Department of Forestry located at 210 Riverland Drive, Salem VA, phone 540-387-5462 (O) or 540-492-0152 (C), to inspect the area and timber offered for sale.

INSTRUCTIONS

1. Be sure to enter your complete and correct address.
2. All bids will be on the basis of a lump sum for the timber offered. Be sure to enter the lump sum price for all the timber offered (estimated to be 552.63 thousand board feet of mixed hardwood sawtimber, 12.82 of mixed pine sawtimber, and 1,574.99 standard cords of pulpwood). Bids to purchase portions of the timber offered, or bids on a log scale or mill run price will not be considered. The right to reject any and all bids is reserved.
3. A 10% (total value of the sale) deposit must accompany all bids. The deposit must be in the form of a cashier's check, certified check, or business check made payable to the State Forester. The deposit will serve as a performance bond and be retained until satisfactory conclusion of the contract by the successful bidder, at which time it will be released. For all unsuccessful bidders, the deposit will be returned.
4. Seal your proposal in the envelope marked as follows: "SEALED BID for Timber Sale on the Hunting Camp GNA Timber Sale. OPEN: Thursday September 27th, 2018 at 10:00 a.m." Please write your name on the sealed envelope, "Bid Proposed by: (Name)."
5. Enclose this sealed envelope in your envelope addressed to the Virginia Department of Forestry, Attention: GNA Project Manager, 210 Riverland Drive, Salem, VA 24153.
6. Be sure your bid is signed, sealed and mailed in time to reach Salem well before 10:00 a.m., September 27, 2018.
7. Results of the timber sale can be found on the Virginia Department of Forestry website on the date of the sealed bid opening at <http://www.dof.virginia.gov/business/index.htm#timbersales> or by calling (540) 492-0152.

Vicinity Location Map for Hunting Camp GNA Timber Sale

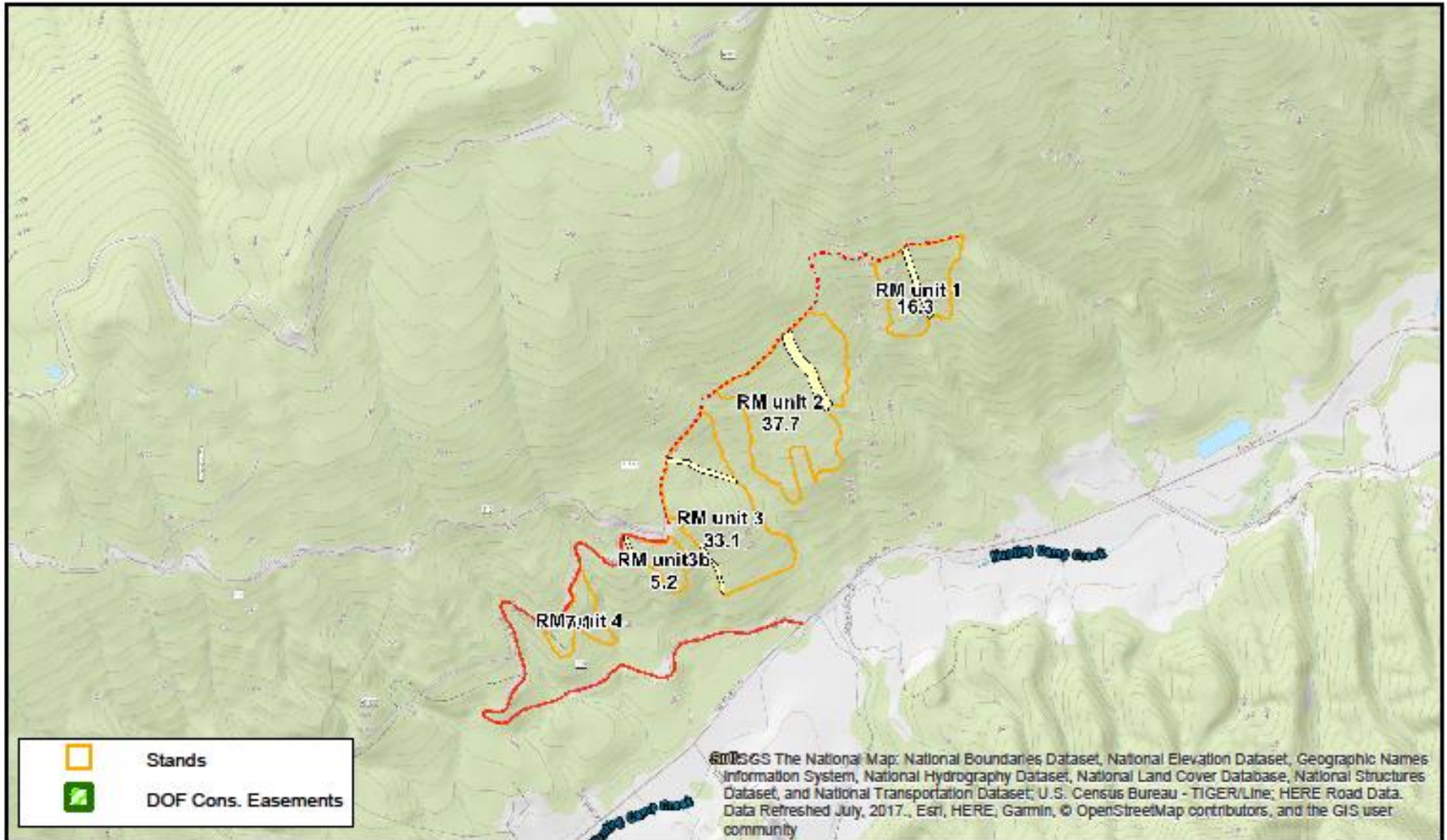


Topographic Sale Area Map depicting Unit number and acreages.
Unit Numbers will correspond to Payment Units also.

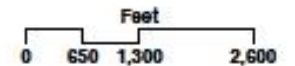


Round Mountain GNA Hunting Camp Timber Sale

E. Stoots
(540)387-5461
ed.stoots@dof.virginia.gov
8/22/2018



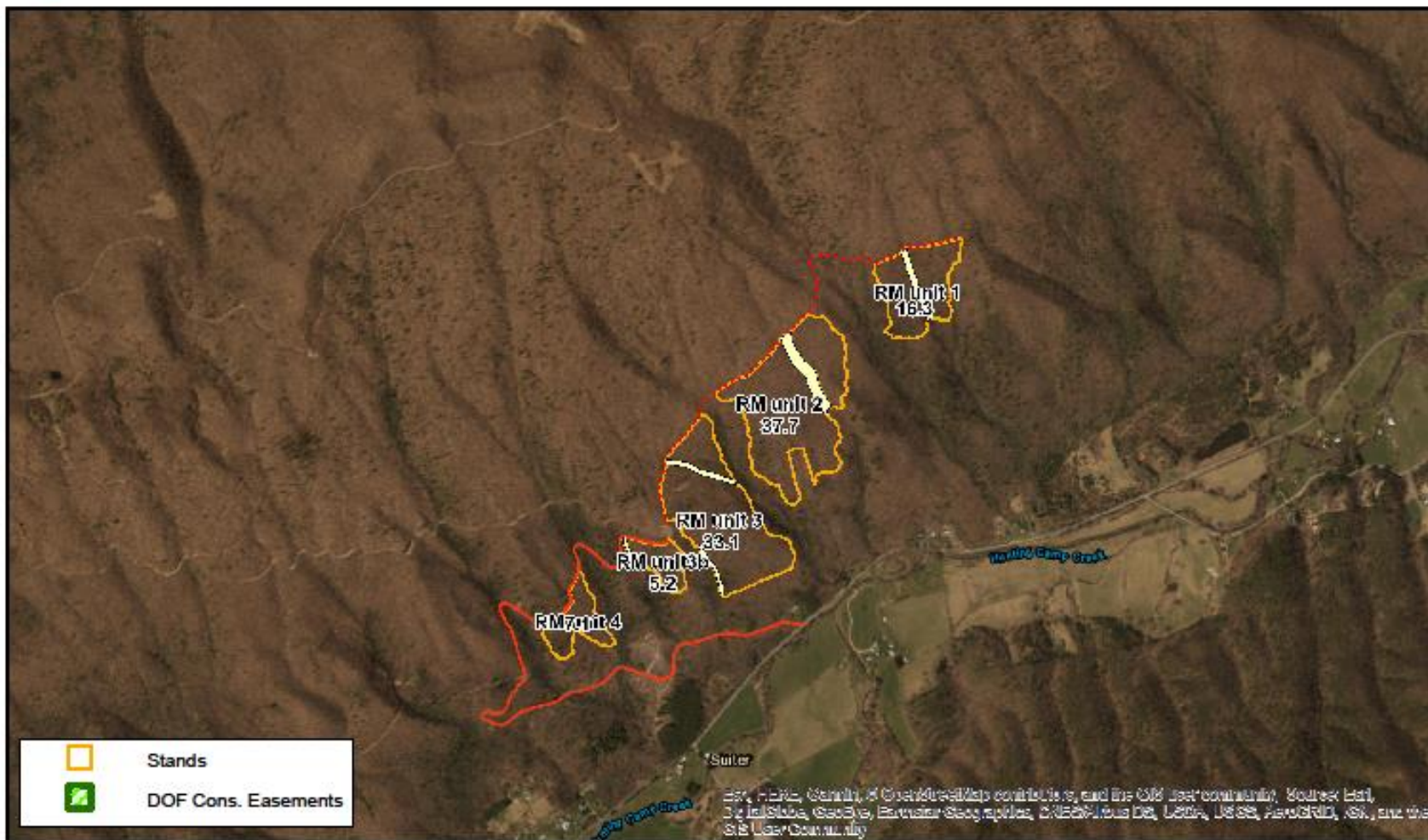
While VDOF has attempted to ensure that the features shown on this map are accurate, VDOF did not perform survey work or otherwise verify information provided to it in preparing this map and all features and acreages shown are approximate. VDOF expressly disclaims all warranties of any type concerning this map, and any use of the map assumes you understand and agree with this disclaimer.





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**GNA / SPA PROJECT ROUND MOUNTAIN WEST
HUNTING CAMP GNA TIMBER SALE**

TIMBER SALE: Located in Bland County, and a part of the George Washington / Jefferson National Forest's Eastern Divide Ranger District. See attached maps and consult a Virginia Highway map. GNA Project Manager or other Department personnel will take prospective buyers to the units if requested. A "Show-Me" trip for the proposed timber sale will be held on September 12th, 2018 starting at 10:00 AM meeting at the Quick Mart off I-77 Exit 58 located West of I-77.

Date _____, 20 _____

I _____, of _____,
(NAME) (RURAL/PO BOX, CITY)

Virginia, _____ [Phone Number: (____) _____ - _____] hereby offer to purchase the timber offered for cutting on the
(ZIP CODE)

designated portion of the Hunting Camp GNA Timber sale located on Eastern Divide Ranger District of the U.S. Forest

Service, estimated to be approximately **552.63 thousand board feet** of mixed hardwood and **12.82 thousand board feet**

of mixed pine sawtimber and **1,574.99 standard cords** of hardwood & pine pulpwood on approximately 99.4 acres located

in four (4) units.

_____ per MBF mixed hardwood sawtimber, _____ per MBF of mixed pine sawtimber (International 1/4" Rule), and _____ per standard cord of hardwood and pine pulpwood

The required cashier's check, certified check, or business check for 10% of the sale value made payable to the State Forester.

The deposit will serve as a performance bond and be retained until satisfactory conclusion of the contract by the successful bidder, at which time it will be released. If the successful bidder fails to execute the contract in the prescribed time period or perform services to the standards outlined in the contract, in addition to all other legal remedies available, the deposit will be forfeited to the Department. If this bid is accepted, payment for timber shall be at the contracted rates before the purchaser starts to harvest timber in any payment unit. A "Payment Unit" is a portion of the Sale Area established for payment purposes. Charges for payment units released for cutting shall be made when the Department prepares and furnishes the Purchaser periodic statements of quantity and value of such timber based upon the purchaser operational schedule. Purchaser shall make such additional deposits to meet the Purchaser's obligations within 15 days of billing. The down payment received at bid opening may not apply toward any other payment required. I have read the sample contract to be signed if my bid is accepted.

A purchaser is in default if his/her bid is accepted and he/she fails to abide by his/her agreement to purchase the timber as offered.

Debarment, suspension or rejection of future bids by the Department may result from such default.

Signature _____

Name (Typed or Printed)

Send to: Virginia Department of Forestry, Attention: GNA Project Manager, 210 Riverland Drive, Salem, Virginia 24153



**TIMBER SALE CONTRACT
HUNTING CAMP GNA TIMBER SALE**

THIS AGREEMENT, made and entered into this 27th day of September 2018, by and between the Commonwealth of Virginia, Department of Forestry hereinafter called the Department, and _____, of _____, Virginia, hereinafter called the Purchaser.

WITNESSETH THAT:

ARTICLE I

- (1) The Department agrees to sell and the Purchaser agrees to buy all the sawtimber and standing pulpwood not designated to be left on an estimated 99.4 acre sale area consisting of four (4) units designated for harvest (as shown on the attached map). All sawtimber and pulpwood volumes not designated to be left have been estimated (prism cruise) and is offered for sale. ALL MERCHANTABLE TIMBER IS SCHEDULED FOR CUTTING UNDER THIS CONTRACT EXCEPT FOR THOSE DESIGNATED FOR LEAVE. The sale area is located on U.S. Forest Service lands that are a part of the George Washington & Jefferson National Forest's Eastern Divide Ranger District - Good Neighbor Authority Supplemental Project Agreement #17-GN-11080800-001 located west of Bastian. See attached maps and consult a Virginia Highway map. The volume is estimated to be approximately 552.63 thousand board feet of mixed hardwood sawtimber, and 12.82 thousand board feet of mixed pine sawtimber (International 1/4" Rule), and 1,574.99 standard cords of standing pulpwood. The volumes are only estimates and not guaranteed. Each bidder is urged to use their own cruise data to compute bids.
- (2) The Purchaser's rate of _____ per MBF on mixed hardwood, and _____ per on MBF mixed pine sawtimber (International 1/4" Rule), and _____ per standard cord of hardwood and pine pulpwood will serve as the contract rates for the total sale value & payment unit values, and for any additional volumes tallied / added to facilitate landing, temporary roads, and skid trail locations for timber currently designated to be left.

The following Table shows total sale volumes by species and are only estimates and not guaranteed. Each bidder is urged to use their own cruise data to compute bids.

SPECIES	TOTAL NUMBER OF TREES	TOTAL VOLUME Bd.Ft. INTERNATIONAL 1/4" RULE	TOTAL CORDS PULPWOOD
WHITE OAK	3,716	239.16 MBF	557.34
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The following Table shows the estimated volumes by Unit and the volumes will be used when determining the value needed for payment when starting operations within a "Payment Unit".

PAYMENT UNITS	TOTAL ACRES	TOTAL VOLUME Bd.Ft. INTERNATIONAL 1/4" RULE	TOTAL CORDS PULPWOOD
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UNIT 3	38.3	221.13 MBF	616.16
UNIT 4	7.1	27.69 MBF	150.51
TOTAL	99.4	565.45 MBF	1,574.99

- (3) Except as provided, current contract rates and required deposits are required when a payment unit is released for cutting based upon the units estimated value as determined using the bid rates for products estimated by the Department. A payment unit is a portion of the Sale Area established for payment purposes. An account will be maintained by the

Department of all Purchaser's deposits, credits, payment guarantees, and the charges for timber at current contract rates. Purchaser agrees to make cash deposits to meet the Purchaser's obligations within 15 days of billing by the Department for units released for cutting.

- (4) The U.S. Forest Service, through agreement with the Department, guarantees the title to said timber and to defend it against any and all claims for taxes, mortgages or other legitimate encumbrances at its own expense.
- (5) The Department, through agreement with the U.S. Forest Service, hereby expressly grants to the Purchaser the right of ingress and egress across and upon the sale area. U.S. Forest Service personnel also have the right of ingress & egress into the sale area via FS Road 610. Roads shall remain open within the sale area except for FS Road 6136 which is gated and leads to Units 1, 2 and the main part of 3. Said road shall remain locked at all times to restrict traffic before, during, and after operations.
- (6) When required, the U.S. Forest Service maintains responsibility for acquiring easements or use agreements of any private roads within the project area.

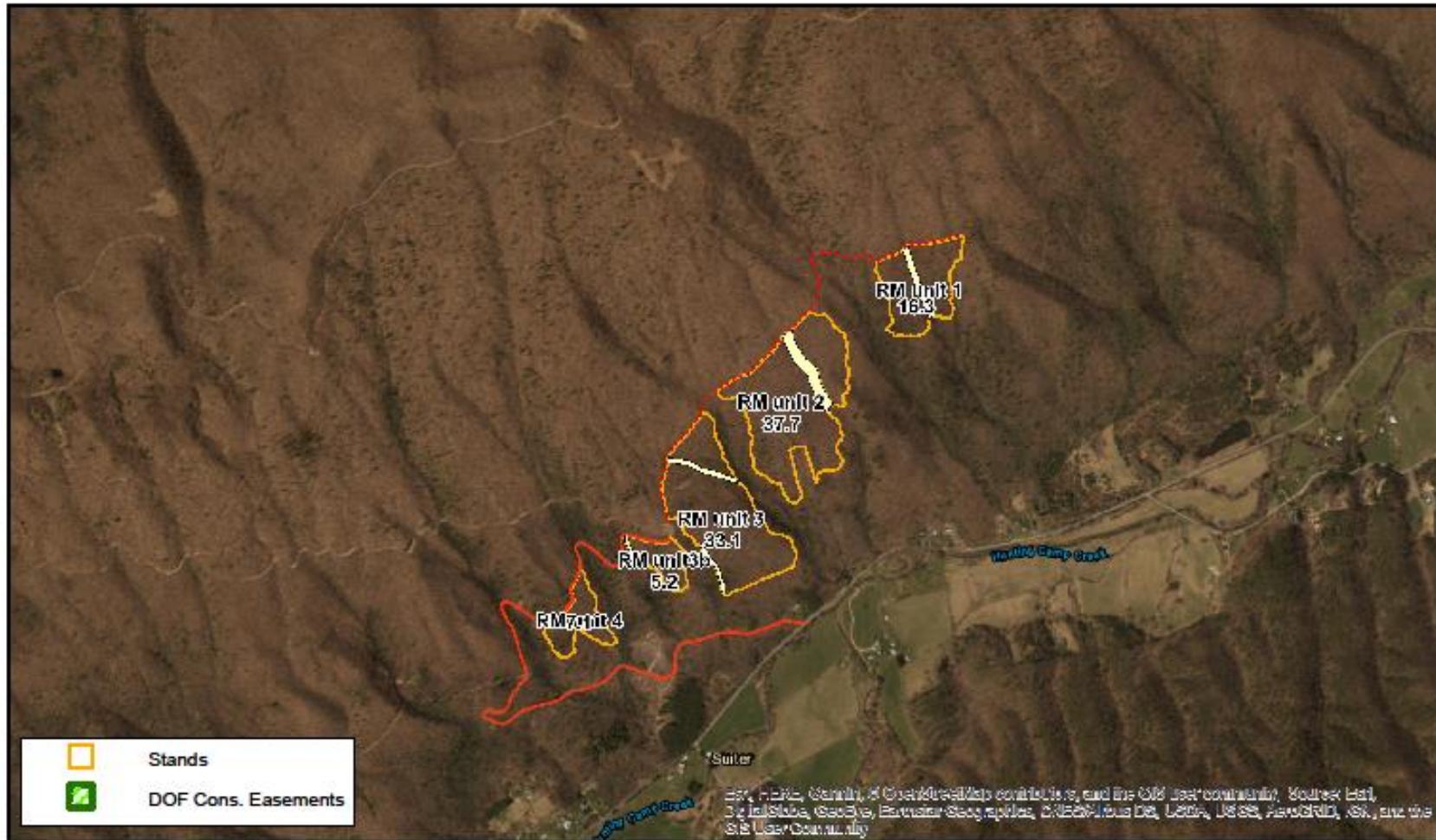
ARTICLE II

- (1) The Purchaser agrees to make payment for timber at the contracted rates before the purchaser starts to harvest timber in any payment unit. A "Payment Unit" is a portion of the Sale Area established for payment purposes. Charges for payment units released for cutting shall be made when the Department prepares and furnishes the purchaser periodic statements of quantity and value of such timber. Purchaser shall make additional payments in the form of a cashier's check, certified check, or business check to meet the Purchaser's obligations within 15 days of billing by the Department for all the timber estimated and sold within each payment unit that the purchaser intends to open and start harvest operations. No timber shall be cut, nor shall this contract be deemed to be in effect, until payment has been made in full for each payment unit scheduled to operate.
- (2) The Purchaser agrees to notify the Project Manager with the State within three working days prior to the commencement of harvest activities.
- (3) Unless a written extension of time is granted by the Department, or barring forfeiture of cutting rights for noncompliance of contract provisions, all stumpage sold hereunder shall be removed within 2 years of a fully executed contract unless an extension is granted in writing. Normal operating seasons shall be from March 15th to December 1st of each year unless otherwise agreed to in writing.
- (4) The boundaries of the "Sale Area" and any Payment Unit thereof, are shown on the attached "Sale Area Map" that is made a part hereof, and where, before timber sale advertisement, designated on the ground by the Department and approved by the U.S. Forest Service to meet the anticipated needs of the parties. Approximate acreages are stated by unit but are not guaranteed. Also shown on attached maps; Stream courses identified that will require various limits of care.
- (5) The purchaser shall designate in writing, unless otherwise agreed to, a representative who is authorized to receive notices in regard to performance under this contract and take related action. In no case will a currently debarred person, one scheduled for debarment, or one suspended by the U.S. Forest Service be designated.
- (6) Prior to moving Off-Road Equipment onto the "Sale Area", purchaser shall power wash equipment before entering the project area in order to limit the spread or import of noxious weeds onto the "Sale Area". Off-Road equipment is defined as all logging and construction machinery, except log trucks, chip vans, service vehicles, water trucks, cars, and similar vehicles. Exception would be for a purchaser moving into another sale area as part of the overall project area.

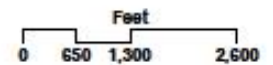


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Sale Area Map Depicted Above

ARTICLE III

- (1) Timber harvested hereunder shall be felled, skidded and concentrated in such manner as to cause the least possible waste and the least amount of damage to designated crop trees, streams, creeks, springs and soils.
- (a) Stumps shall be cut in such manner as to cause the least possible waste and not higher than 10 inches above ground level; except on misshapen trees, or other adverse conditions such as exposed or defective trees where cutting below 10 inches is not practical.
- (b) All trees (live or dead) sold hereunder shall be utilized as low in diameter in the tops as may be practical. Utilization standards will be in accordance with attached Forest Service Timber Utilization Standards.

Forest Service Timber Utilization Standards						
Species ¹	Product	Minimum Specifications				
		Merchantable Tree		Piece Required to be Removed		
		DBH ² (inches)	No. of Minimum Pieces per Tree	Length (feet)	DIB ³ (inches)	Net Scale in % of Gross Scale
All Softwoods	Sawtimber	12.0	1.5	8	8.0	30
All Hardwoods	Sawtimber ⁴	12.0	1.5	8	10.0	30
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Softwood	Pulpwood	6.0	1.5	10	3.5	NA ⁷
Hardwood	Pulpwood ⁸	6.0	1.5	10	3.5	NA ⁷

Volume to be removed from the entire sale area is estimated at 565.45 thousand board feet of mixed hardwood and pine sawtimber & 1,574.99 cords of pulpwood, but such volume is estimated and not guaranteed.

- (c) All merchantable trees will be cut within the boundaries of the designated units except for those trees banded at DBH and stumped marked in orange paint, or those unit boundary trees designated with three orange slash marks facing into the unit at DBH, or trees banded at DBH and stumped marked in blue paint to be left which designate the start of equipment exclusion zones and / or streamside management zones.
- (d) All trees not designated to be left shall be felled within the cutting boundaries. Logging debris accumulated outside the sale area shall be pulled back within the sale area unless otherwise specified by the GNA Project Manager. Slash or logging debris is defined as tops and limbs from the harvest of trees and do not meet merchantability standards, such shall not be piled at landings but shall be disbursed back into the boundaries of the cutting units unless otherwise agreed to in writing. Slash adjacent to log landings, delimiting areas, and similar areas of slash accumulation within all payment units shall be disbursed as well. Concentrations of slash greater than 2 (two) feet in height or 5 (five) feet in length, as measured at the greatest distances, shall be removed from the landings and lopped and scattered back into the payment units. Slash depth should not exceed 4 (four) feet. Slash shall not be scattered within 15 feet of the bole of any leave tree within any payment unit.

¹ Species Groups – the district will interact with local sawmills on lumber markets for all the hardwood species.

² DBH - Diameter at Breast Height. During marking, Chestnut Oak (CNO) should not be cruised as sawtimber unless it is at least 13.0" at DBH due to excessive bark thickness.

³ DIB – Diameter Inside Bark. During marking the cruisers will use 11" DOB (diameter outside bark) for hardwoods, 9" DOB for softwoods, and 4.0" for pulpwood to estimate DIB.

⁴ All Hardwood saw-timber must meet Forest Service Hardwood Tree Grade 3.

⁵ LGH - Low Grade Hardwood saw-timber is less than Forest Service Tree Grade 3 and is greater than 12" DBH. In appraisal zones 1 (Lee, Dry River) and 2 (Deerfield, Glenwood/Pedlar, Warm Springs, James River, New Castle, and Eastern Divide) the LGH species group is set up for tie logs, and construction use logs. In appraisal zone 3 (Clinch and Mt. Rogers NRA) this group may include all material >12" DBH that does not make Forest Service Tree Grade 3.

⁶ Below Grade (HWDC) – species group is set up for use in appraisal zones 1 and 2 to capture material that does not meet Forest Service Tree Grade 3 and is greater than 12" DBH. Appraisal Zone 3 may choose to use this group if a tie market emerges. This group will be tracked in TREV as code 008.

⁷Pulpwood is to be reasonably straight and sound.

⁸ Hardwood Fuelwood specifications will be the same as for hardwood pulpwood.

- (e) Extreme caution shall be expected in felling and skidding around marked trees designated to be left. This is to minimize damage to the residual growing stock which will be retained.
- (f) No trees, logs or logging debris will be left in streams, creeks or springs. Streamside Management Zones (SMZ's) and / or Equipment Exclusion Zones have been identified and marked on the ground in Blue Paint and are designated by their location:
- Perennial Streams are designated on the ground with a 100 foot no cut buffer from the edge of the channel in blue paint on slopes less than 11%, and on slopes between 11% and 45% an additional 25 foot no equipment exclusion zone is established with trees to be left marked in orange paint within the 25 foot zone. On slopes greater than 45% an additional 50 foot no cut buffer will be established in addition to the 100 foot initial no cut zone along with additional 50 foot equipment zone exclusion where trees may be harvested.
 - Intermittent Streams are designated on the ground with a 50 foot no cut buffer from the edge of the channel in blue paint on slopes less than 11%, and on slopes between 11% and 45% and additional 25 foot equipment exclusion zone is established with trees to be left marked in orange paint within the 25 foot zone. On slopes greater than 45% there will be a 50 foot no cut buffer plus an additional 50 foot no equipment exclusion zone where timber may be harvested.
 - Channeled Ephemeral Streams are designated on the ground in blue paint with a 25 foot no cut exclusion zone no matter the slope percent with 50% of the basal area marked for leave.
 - Wetlands will be protected from vehicular or skidding equipment except where roads, landings, and tractor roads are approved in advance.
 - Identified ponds will require a 100' no equipment and no harvest exclusion.
- (g) The Purchaser and the Department shall mutually lay out the designated system of temporary roads over which the timber sold hereunder shall be removed and all skidding activities will be concentrated to flow into these temporary roads. Decking along existing permanent roads is allowed but the road must remain open at all times, and no skidding is allowed on any system / permanent roads. All temporary roads are required to be rehabilitated immediately following the harvest. NO permanent road construction is allowed.
- (h) Any trees designated for leave that are mutually determined as needing to be removed due to log landing locations, temporary roads, skid trails, or system / permanent road improvements shall be marked by the Department in Yellow Paint and the additional volume will be scaled and paid for by the Purchaser at the established bid rates based on the product.
- (i) The Department and the Purchaser shall mutually agree to suspend logging activities during such time as these activities would result in detrimental consequences to forest soils during prolonged periods of inclement weather.
- (j) All right, title, and interest in and to any included timber shall remain with the Department and the U.S. Forest Service until it has been paid for and removed from the sale area or other authorized cutting area, at which time title shall vest to the Purchaser. Title to any included timber that has been paid for but not removed from the sale area prior to Termination Date shall remain with the Department and the U.S. Forest Service.
- (k) In the event the included timber to which the Department and U.S. Forest Service holds title to is destroyed. Purchaser will not be obligated to remove and pay for such timber. For damaged timber the Project Manager shall make an appraisal to determine for each product / species the difference between the appraised unit value immediately prior to the loss and the appraised value after the loss. The Purchaser shall not be obligated to accept and pay for timber that is destroyed or damaged except through written agreement. Damages to timber would include events such as fire, wind, flood, insects, disease, or similar cause but does not include damage caused by the Purchaser's operations or those of any subcontractor.

(2) Timber harvested by the Purchaser from standing trees shall be removed in such a manner as to cause the least possible damage to the existing main haul roads and create no public hazard at entrance ways to primary and secondary Virginia highways.

- (a) Access to the sale area is adequate and main hauls will be confined to this system for all the purchaser's workers, materials, subcontractors, and logging equipment including transport trucks necessary for the removal of said

timber; the right to designate or approve, or improve the location of any new road across Forest Service land is specifically reserved. Normal operating seasons, unless otherwise agreed to, shall be March 15th to December 15th of each year.

All such roads with the exception of skidding roads constructed by the Purchaser and all existing roads within the timber sale area shall be left in passable condition (usable by pickup truck) during and upon completion of this contract. The vegetation plan and specifications for closure of temporary roads, landings, and other bare soil areas shall be to revegetate the areas with a mix approved by the Department and the U.S. Forest Service immediately after use and at proper seeding times. Landings shall be ditched and sloped so as to permit water to drain or spread, except not directly into any designated stream, and if needed ripped. Temporary Roads and Skid trails shall be cross drained, back bladed or other erosion controlled measures as designated or approved by the Department. Rates for mulch, lime, fertilization, and seeding shall be at the following rates unless otherwise agreed to: Mulch if needed at a rate of 3,000 pounds per acre (70 bales) and may be in the form of certified weed free straw, pine straw, shredded bark or other acceptable to the Department. Lime if needed at a rate of 2,000 pounds per acres. Fertilizer (10-10-10), if needed, will apply at a rate of 600 pounds per acre. Seed mixture shall be Orchard Grass at 65 pounds per acre, Annual Rye at 25 pounds per acre, and White Clover at 10 pounds per acre. Slashing exposed soil areas, skid trails and temporary roads with tops and branches is acceptable if coverage is adequate. The need for ripping or disking of landings or skid trails shall be determined by the conditions on the ground at the time of revegetation. Gravel or other form of stable surface such as log mats or portable bridges on temporary roads & the Hunting Camp Road is only needed if there are soft spots or when crossing SMZ's.

- (b) During and upon completion of the harvest operation, the Purchaser shall comply with the Water Quality and BMP standards listed in the "Virginia's Forestry Best Management Practices for Water Quality, Fifth Edition" issued by the Virginia Department of Forestry. The Department reserves specifically the right to request corrective action of the Purchaser in maintenance and stabilization of forest roads, trails, culvert pipes, water bars, side ditches, lead-off ditches, decks, skid trails and streams where destructive action of the Purchaser has contributed to a BMP or Water Quality problem.
- (c) The Purchaser shall guard against the unnecessary transfer of mud and debris by vehicle onto the public highway system of the Commonwealth of Virginia, whereby the same poses a threat to public safety. Furthermore, the Purchaser assumes the responsibility for the prevention and any corrective action necessary to eliminate this source of hazard should a problem develop during the harvest.
- (d) The Purchaser will assume the responsibility for stabilizing against erosion on used forest roads and trails according to the Water Quality BMP Handbook, Fifth Edition.
- (e) All logging operators on forest lands must be trained and certified under their respective state's professional logger program such as Virginia's SHARP Logger Program.
- (f) Dispersed skidding will occur during the harvest so that on 85% of the area being harvested, the organic layer, topsoil, and root mat will be left in place or revegetated immediately after use and at proper seeding times as determined by the Department.
- (g) Skidding of trees should be directed in a manner that prevents creation of channels or gullies that concentrate water flow to adjacent streams.
- (h) Log landings will be located outside the riparian corridors. All equipment used for harvesting and hauling operations will be serviced outside of riparian corridors. Ruts will be smoothed to restore hydrology and drainage paths.
- (i) If during harvest implementation, active Indiana bat roost trees are identified they will be avoided, and all activity will cease within a ¼ mile diameter buffer around the roost trees, until consultation with the Department.
- (j) All prehistoric caves, sensitive areas, and historic areas will be excluded from ground disturbance when identified. Any discovery by the purchaser of additional areas, resources, species, or members of species needing special protection shall be promptly reported to the Department and the purchaser shall immediately suspend operations within the area discovered. Any trees shall not be allowed to be felled into any areas identified.

(k) Purchaser shall maintain roads, commensurate with Purchaser's use and in accordance with the attached road maintenance requirements & specifications – ((see attachment to Article III, (2), (k) on the end of the contract)).

- (3) The location of any landings, logging deck areas and stream crossings will be approved by the Department prior to development.
- (4) The Purchaser agrees to exercise the utmost care and caution to prevent the occurrence and spread of forest fires on the area for sale and on adjoining areas. The Purchaser further agrees to observe and comply with all the forest fire laws of the State of Virginia which may be applicable. The Purchaser will be held liable for costs associated with controlling any fire caused by him / her or any subcontractor involved in the harvest operation or for fire damage to residual trees and adjacent forest stands. This includes any equipment used in the harvest or activities associated with harvest operations. Purchaser also agrees to report all fires immediately. Effective muffler systems installed by the manufacturer as standard equipment shall be maintained on exhausts of trucks, power saws and other internal combustion engines used in the Purchaser's Operations. When the Department advises the Purchaser that local fire weather conditions are becoming critical, the Purchaser shall keep with gasoline chain saws at all times 1) a fire extinguisher (A: B:C Dry Chemical, 5 lb. min.); and 2) a Standard Grade Round point Long-handled shovel (48" min.), and/or a Standard Grade Long-handled Fire Rake (48" min.) and take precautionary measures requested by the Department. Any Equipment furnished by the Department shall be stored in sealed boxes provided for this purpose and shall be transported to locations in the immediate vicinity of current logging and milling operations on Sale Area. The Department shall be reimbursed for any damage to or loss of fire-fighting equipment furnished by the Department, which occurs on Negligently-Caused Fires or as a result of using equipment for unauthorized purposes.
- (5) The Purchaser shall limit or restrict operations in accordance with the Fire Danger Rating schedule shown below. The Department in conjunction with the U.S. Forest Service will determine Fire danger ratings by using the National Fire Danger Rating System. The Department shall notify the Purchaser of predicted fire danger that may limit or restrict operations. In all cases, the actual weather elements shall govern over the predicted weather elements in determining Fire Danger. Fire danger ratings are based on a severity index from A (low) to E (highest).

Fire Danger Rating:	Limitations or Restrictions on Purchaser
Operations: A to C:	Normal fire precautionary operations
C+ to D (Very High)	Department may suspend any or all of Purchaser's operations.
E (Extreme)	In addition to above restrictions, internal combustion engines or other spark-producing equipment shall not be operated within any areas of the timber sale without specific written approval by the Department.

- (6) Unnecessary damage to or negligent, or willful cutting of undesignated timber on portions of the Sale Area cut over under this contract shall be paid for by the purchaser as fixed, agreed, and liquidated damages an amount equivalent to the amount payable at Current Contract Rates. If designated by the project manager, Purchaser shall remove such marked damaged or cut timber and pay for it at current contract rates.
- (7) So far as practicable, the purchaser shall protect specified roads and other improvements (such as roads, trails, telephone lines, ditches, fences, culverts, along with any improvements not owned by the Department or the U.S. Forest Service. Purchaser shall protect all known survey monuments, witness corners, reference monuments, signs, and bearing trees. Any damage to specified roads or other improvements shall be repaired and replaced by the Purchaser and at their costs.
- (8) Areas known by the Department and U.S. Forest Service needing special protection of plants, animals, cultural resources, and / or cave resources (if known) are shown on the Sale Area Map and / or identified on the ground, and shall be avoided by wheeled or tracked machines, nor will trees be allowed to felled into such areas unless agreed to in advance. If additional areas needing special measures for protection are discovered after the contract is signed those measures will / may be revised or newly prescribed in which case timber volumes and values may be adjusted based upon the timber

contracted values & volumes by product. Any discovery by the purchaser of additional areas, resources, species, or members of species needing special protection shall be promptly reported to the Department.

- (9) If purchaser maintains storage facilities for oil, gas, or oil products on the Sale Area, Purchaser shall take appropriate preventive measures to ensure that any spill of such oil, gas, or oil products does not enter any stream or other water of the Commonwealth or the United States. If Purchaser maintains a total of oil or oil products storage in excess of 1,320 gallons in containers of 55 gallons or greater, Purchaser shall prepare a Spill Prevention Control and Countermeasures Plan – such plan shall meet applicable EPA requirements including certification by a registered professional engineer.

Purchaser shall also notify the National Response Center, as well as, the Virginia Department of Environmental Quality, and the Department's project manager of all releases of hazardous substances on or in the vicinity of the Sale Area that are caused by the Purchaser's employees, agents, subcontractors, or their employees or agents, directly or indirectly, as a result of Purchaser's operations.

ARTICLE IV

- (1) The Department reserves the right to postpone timber removal under terms of this contract for gross noncompliance with the agreed upon provisions herein, to the extent, however, that in case of dispute over the terms of this agreement, the Department and the Purchaser agree to accept the decision of an arbitration board of three selected persons. Each of the contracting persons will select one person and the two selected will select a third to form this board. In the event a satisfactory decision is not reached, appeal to the local Circuit Court is available. The Department may also interrupt or cancel harvesting operations due to a court order or to comply with NEPA or other legal sanction. The Department reserves the right to modify, cancel, or suspend the contract to prevent environmental degradation or resource damage, including, but not limited to, harm to habitat, plants, animals, cultural resources, or cave resources. Suspension might also incur to ensure consistency with land and resource management plans or other documents prepared to the National Environmental Policy Act (NEPA) of 1969, or to conduct environmental analysis, including but not limited to, engaging in consultation pursuant to the Endangered Species Act of 1973.

ARTICLE V

(1). The Purchaser's signature on the face of this bid certifies that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same material and is in all respects, fair and without collusion or fraud. The Purchaser understands that collusive bidding is a violation of the Virginia Governmental Fraud Act – Section 18.2- 498.1 and federal law and can result in fines, prison sentences, and civil damage awards. The Purchaser agrees to abide by all conditions of this bid/proposal.

(2). The Purchaser shall obtain certifications from its Subcontractor regarding debarment, suspension, ineligibility, and voluntary exclusion, including additional subcontractors obtained after award of this contract. Purchaser may rely upon certification of a prospective Subcontractor that is not proposed for debarment, debarred, suspended, ineligible, or voluntarily excluded from participating in covered transactions or timber sales. Purchaser shall keep certifications of Subcontractors on file until timber sale Termination Date.

(3). The Purchaser, and all solicitations and advertisements for employees placed by or on behalf of the Purchaser, will state that such Purchaser is an equal opportunity employer.

(a) The Purchaser will not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin, except where religion, sex or national origin is a bon-a-fide occupational qualification reasonably necessary to the normal operation of the Purchaser.

(b) The Purchaser agrees to post in conspicuous places, available to employees and applicants for employment, notice setting forth the provisions of this nondiscrimination clause.

(4). DRUG FREE WORKPLACE: The Purchaser acknowledges and certifies that it understands that the following acts by the Purchaser, its employees, and/or agents performing services on State property or Forest Service are prohibited:

(a) The unlawful manufacture, distribution, dispensing, possession or use of alcohol or other drugs; and

- (b) Any impairment or incapacitation from the use of alcohol or other drugs (except the use of drugs for legitimate medical purposes).

The Purchaser further acknowledges and certifies that it understands that a violation of these prohibitions constitutes a breach of contract and may result in default action being taken by the Commonwealth in addition to any criminal penalties that may result from such conduct.

(5). The Purchaser certifies and warrants that by his signature on the face of this bid he has neither offered nor received any kickbacks from any other bidder in connection with his bid on this solicitation. A kickback is defined as an inducement for the award of a contract, in the form of any payment, loan, subscription, advance, deposit of money, services or anything, present or promised, unless consideration of substantially equal or greater value is exchanged. Further, no person shall demand or receive any payment, loan subscription, advance, deposit of money, services or anything of value in return for an agreement not to compete on a public contract.

(6). No bidder shall confer on any public employee having official responsibility for a procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value is exchanged.

(7). The Purchaser shall indemnify, and hold harmless the Commonwealth of Virginia, the Department, and the U.S. Forest Service, its offices, agents and employees from any claims, suits, liability or damage arising from or caused by negligence on the part of the Purchaser in harvesting the timber designated for removal herein conveyed.

(8). The Department is prevented from doing business with corporations or their principals that have been convicted of a felony criminal violation under any Federal law within the preceding 24 months and / or have unpaid Federal Tax Liability. Appropriate certifications will be provided by the Purchaser.

(9).The required performance bond or down payment shall also protect the United States in event the Purchaser defaults.

(10).This contract may not be assigned, sublet or transferred without the written consent of the Department. The Purchaser shall obtain certifications from its Subcontractor regarding debarment, suspension, ineligibility, and voluntary exclusion, including additional subcontractors obtained after award of this contract. Purchaser may rely upon certification of a prospective Subcontractor that is not proposed for debarment, debarred, suspended, ineligible, or voluntarily excluded from participating in covered transactions or timber sales. Purchaser shall keep certifications of Subcontractors on file until timber sale Termination Date.

WITNESS:

PURCHASER

TELEPHONE NUMBER

Approved at Charlottesville, VA under the above conditions _____, 2018

Andres Alvarez
CHIEF OF ADMINISTRATION

**Attachment to Article III, (2), (k) –
Road Maintenance Requirements and Specifications
Hunting Camp GNA Timber Sale**

SECTION 1. GENERAL

Purchaser's maintenance responsibility begins (1) after purchaser performs Prehaul Maintenance on a road listed in the Road Maintenance Requirements Schedule; or (2) for all other roads, when Purchaser begins to use the road. Occasional travel by Purchaser's light vehicles, prior to beginning of construction clearing or logging operations in the area accessed by the road, does not constitute beginning of use. Purchaser is not required to perform routine maintenance during periods of inactivity. During periods of inactivity, Forest Service will perform maintenance only as required to meet its needs.

The Purchaser shall maintain roads, commensurate with the Purchaser's use, in accordance with the Road Maintenance Requirements Summary and Road Maintenance Specifications. Performance of road maintenance work by the Purchaser may be required prior to, during, or after each period of use. The timing of work accomplishment shall be based on the Purchaser's operating schedule.

The Purchaser may use different roads than those listed in the Road Maintenance Requirements Summary, only after it is determined what the Purchaser's commensurate share of road maintenance and/or revise road maintenance deposits will be.

Unless agreed to in writing otherwise, prehaul maintenance shall be completed on any portion of road prior to hauling on that portion.

The Purchaser shall attend to the following situations as they occur and concurrently with sale operations: remove slides, fallen timber and other obstructions and overhanging brush obstructing road sight distance. Excess material resulting from any maintenance activity shall not be placed at locations where it will wash into streams.

SECTION 2. ROAD MAINTENANCE DEFINITIONS

Wherever the following terms are used in the Road Maintenance Specifications, the meaning shall be:

Base Course. Material placed on the Subgrade to distribute concentrated wheel loads.

Berm. Curb or dike constructed to prevent Roadway runoff water from discharging onto embankment slope.

Borrow. Select Material taken from designated borrow sites.

Crown, Inslope, and Outslope. The cross slope of the Traveled Way to aid in drainage and traffic maneuverability.

Culverts. A conduit or passageway under a road, trail, or other obstruction. A culvert differs from a bridge in that it is usually entirely below the elevation of the Traveled Way.

Drainage Dip. A dip in the Traveled Way which intercepts surface runoff and diverts the water off the Traveled Way. A Drainage Dip does not block the movement of traffic.

Drainage Structures. Manufactured structures which control the runoff of water from the Roadway including Inslope, overside drains, aprons, flumes, downdrains and downpipes.

Lead-off Ditches. A ditch used to transmit water from a Culvert, Drainage Structure or Drainage Dip outlet to the natural drainage area.

Maintenance Activity. Items of work leading to the minor restoration and upkeep of a road and necessary to sustain the road's anticipated traffic.

Material. Any substance specified for use in the performance of the work.

Prehaul Maintenance. Road maintenance work to be accomplished prior to the roads use.

Roadbed. The portion of a road between the intersection of Subgrade and sideslopes, excluding that portion of the ditch below Subgrade.

Roadside. A general term denoting the area adjoining the outer edge of the Roadway.

Roadway. The portion of a road within the limits of excavation and embankment.

Shoulder. That portion of Roadway contiguous with Traveled Way for accommodation of stopped vehicles, for emergency use, and lateral support of Base and Surface Course, if any.

Slide. A concentrated deposit of materials from above or on backslope extending onto the Traveled Way or Shoulders, whether caused by mass land movements or accumulated ravelling.

Slough. Material eroded from the backslope which partially or completely blocks the ditch, but does not encroach on the Traveled Way so as to block passage of traffic.

Slump. A localized portion of the Roadbed which has slipped or otherwise become lower than that of the adjacent Roadbed and constitutes a hazard to traffic.

Subgrade. Top surface of Roadbed upon which Base Course or Surface Course is constructed. For roads without Base Course or Surface Course, that portion of Roadbed prepared as the finished wearing surface.

Surface Course. The Material placed on the Base Course or Subgrade to enhance traction, distribute concentrated wheel loads and resist abrasion and the effects of climate. Surface Course may be referred to as surfacing.

Traveled Way. That portion of Roadway, excluding Shoulders, used for the movement of vehicles.

Turnouts. That portion of the Traveled Way constructed as additional width on single lane roads to allow for safe passing of vehicles.

Waterbar. A dip in the Roadbed which intercepts surface runoff and diverts the water off the Roadway. A Waterbar is not designed to be traversable by logging trucks.

SECTION 3. ROAD MAINTENANCE REQUIREMENTS SCHEDULE

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Pre-haul Road Maintenance Specifications									
	From	To		1020	1040	3020	4020						
FS 610	VA 615	FS61362	2.4	P	P	P	P						
FS61362	FS610	Termi	1.0	P	P		P						

P = Purchaser Performance Item

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications									
	From	To		1020	1040	3020	4020						
FS 610	VA 615	FS61362	2.4	P	P								
FS61362	FS610	Termi	1.0	P	P								

P = Purchaser Performance Item

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications									
	From	To		1020	1040	3020	4020						
FS 610	VA 615	FS61362	2.4	P	P	P							
FS61362	FS610	Termi	1.0	P	P								

P = Purchaser Performance Item

SECTION 4. ROAD MAINTENANCE ACTIVITY SPECIFICATIONS

INCLUDED SPECIFICATIONS

<u>Activity No.</u>	<u>Activity Specification Title</u>
1020	Surface Blading (Dozer)
1040	Spot Surface Course Placement
3020	Ditch Cleaning
4020	Roadway Mowing and Clearing

ACTIVITY 1020 - SURFACE BLADING (DOZER)

DESCRIPTION

1.1 Surface blading is keeping a native or aggregate surfaced Roadbed in a condition to facilitate traffic and provide proper drainage. It includes maintaining the Crown, Inslope or Outslope of the Traveled Way, Turnouts, and Shoulder; repairing Berms; blending approach road intersections; and cleaning bridge decks, Drainage Dips, and Lead-off Ditches. This work may be accomplished using a crawler tractor with a dozer blade capable of angling.

REQUIREMENTS

3.1 Surface blading shall be performed before, during, and after Purchaser's use as often as necessary to facilitate traffic and proper drainage.

3.2 The surface blading shall preserve the existing cross-section. Ruts, chuckholes and corrugations that affect the smoothness of ride do not have to be removed unless they become excessive or interfere with proper drainage. Surface Course Material which has been displaced to the Shoulders or Turnouts shall be returned to the Traveled Way. The blading operation shall be conducted to conserve surface Material and to provide for a thorough mixing of the Material being worked.

3.3 On native surfaced roads, Material generated from backslope Sloughing, and ditch cleaning may be blended with the surface Material being worked. On aggregate surfaced roads this Material shall not be blended with Surface or Base Course Material unless agreed otherwise.

3.4 Roadway backslopes shall not be undercut.

3.5 Drainage Dips and Lead-off Ditches shall be cleaned and maintained to retain the existing line, grade, and cross-section.

3.6 Intersecting roads shall be bladed for a distance of 50 feet to assure blending of the surfaces.

3.7 Rocks or other Material remaining on the Traveled Way after the final pass that are 4 inches in diameter or larger shall be removed. The unsuitable Material shall be disposed of by sidecasting unless agreed otherwise.

3.8 Material resulting from this activity shall not remain on or in structures, such as Culverts, cattle guards, ditches and Drainage Dips.

3.9 Material resulting from this activity, plus any accumulated debris, shall be removed from bridge decks and the deck drains opened.

ACTIVITY 1040 - SPOT SURFACE COURSE PLACEMENT

DESCRIPTION

1.1 Spot surface course placement includes subgrade preparation, furnishing, spreading and shaping Materials in accordance with the Requirements.

MATERIALS

2.1 Surface course Material will be in accordance with the Requirements, 3.2.

REQUIREMENTS

3.1 Subgrade Preparation. Prepare subgrade to receive surface course Material at locations as designated on-the-ground by the Forest Service on roads listed below. Prepare the subgrade by shaping the Roadbed to approximately the original cross-section and consistent with adjacent sections.

3.2 Furnish and spread Material at spot locations designated on the ground as follows.

Road Number	Road Name	Pre-haul/During Haul	Type Material	Quantity (C.Y./Tons)
FS 610	Garden Mountain road	Pre-haul	VA #57	100 Tons
FS 61362	Hunting Camp	Pre-haul	VA #57 Stone/Surge	40 Tons
FS 610	Garden Mountain road	During haul	VA #57	40 Tons
FS 61362	Hunting Camp	During haul	VA #57	20 Tons
FS 610	Garden Mountain road	Post haul	VA #57	40 Tons
FS 61362	Hunting Camp	Post haul	VA #57	20 Tons

3.3 Variations. Suggested Amounts of Stone Needed is estimated as follows for the roadways being used, unless alternate mats or portable bridges are used on Hunting Camp Road in areas where gravel could be required. Mats and / or portable bridges would be pulled at conclusion of use the crossings bladed smooth, out-sloped, and vegetated at conclusion of use.

ACTIVITY 3020 - DITCH CLEANING

DESCRIPTION

1.1 Ditch cleaning is the removal and disposal of all accumulated organic and Slough Material from Roadway ditches to provide a free-draining waterway.

REQUIREMENTS

3.1 Ditch cleaning shall be repeated during sale operations as often as necessary to facilitate proper drainage.

3.2 All Slough Material or other debris which might obstruct water flow in the Roadway ditch shall be removed. Material removed from the ditch, if suitable, may be blended into existing native road surface or Shoulder or placed in designated Berms in conjunction with Surface Blading, Activity 4020, operations.

Material removed from ditches that is not suitable for blending into the existing surface course shall be placed on adjacent fill slopes or disposed of as agreed otherwise.

3.3 Roadway backslopes shall not be undercut.

ACTIVITY 4020 - ROADWAY MOWING AND CLEARING

DESCRIPTION

1.1 This work includes removal of brush, trees and other vegetative growth from within the Roadway limits.

REQUIREMENTS

3.1 **Vegetative matter within the Roadway which impedes vehicular travel or interferes with road maintenance operations, such as surface blading and ditch and culvert cleaning shall be removed.** Downed timber meeting utilization standards shall be cut in appropriate lengths and decked along the Roadside in locations where the Traveled Way or sight distances will not be impaired.

3.2 Vegetative matter removed from the Roadway shall be uniformly placed on fill slopes unless agreed otherwise.