

1503050 – Grounds Maintenance and Landscaping	
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Spec Item	Title	Description
1	General Information	<p>The Contractor shall provide all labor, management, supervision, tools, materials, and equipment necessary to provide grounds maintenance and landscaping services located at the northern section of the Greater Sandy Run Training Area, Marine Corps Base, Camp Lejeune, North Carolina. This area shall be treated consists of 299.03 acres of mixed pine and pine/hardwood woodlands. Site Locations are provided in J-1503050-04-1 through J-1503050-04-6.</p> <p>This contract is a one-time offer and the work is to be completed 90 days after date of contract award.</p> <p>The mechanical forest fuels treatment is intended to provide defensible space during wildfire emergencies for the implementation of wildfire suppression strategies.</p>
1.1	Concept of Operations	<p>The intent of 1503050 Grounds Maintenance and Landscaping is to specify the requirements related to tree control within installation grounds parcels designated as an unimproved area. Services include brush mowing.</p> <p>The work to be performed involves severing midstory and understory vegetation completely from the stump and mulching/shredding the downed vegetation, pre-existing slash, and snags in the designated treatment area.</p>

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Spec Item	Title	Description
2	Management and Administration	
2.1	Definitions and Acronyms	Definitions and Acronyms are listed in J-1503050-01.
2.2	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required to efficiently provide grounds maintenance and landscaping services.
2.2.1	Certification, Training, and Licensing	Not applicable to this contract.
2.3	Special Requirements	<p>All supplies and equipment need to complete the terms of this contract will be supplied by the Contractor. The Contractor shall furnish sufficient personnel, supervision, and working equipment to treat an average of 25 acres per week.</p> <p>The mowing equipment will utilize a heavy duty type cutter head that can be raised and lowered. The cutter head will have either a rotating cutter, similar to the FECON BULLHOG, or a cutting head similar to the ROTARY AX style cutting attachment. The width of the cutting blade(s) should be equal to or greater than the width of the machine so that all trees will be cut in the path of the machine.</p> <p>Permission to remove dead snag hazard trees over 5" diameter at breast height (dbh) will be obtained prior to cutting the snag. Point of contact is Mr. Pete Steponkus located at the Environmental Management Division and he can be contacted at (910) 451-7221.</p>
2.3.1	Vehicles on Sidewalks or Lawns	Vehicles shall not be permitted on sidewalks or lawns without prior approval from the KO. The Contractor's request shall include the methods on how he intends to protect the lawns and sidewalks from damage. Replace or restore all lawns, plants, and property damaged by the Contractor to their original condition or better at no additional cost to the Government.
2.3.2	Equipment Restrictions	Not applicable to this contract.
2.3.3	Safety	Grounds maintenance and landscaping equipment shall be approved by the Contracting Officer..
2.3.4	Work Identification	The Contractor shall identify and recommend Non-recurring work as appropriate to the KO. Non-recurring work is not applicable to this contract.
2.3.5	Working Adjacent to Parking Areas	Work shall be performed with care on grounds adjacent to parking areas so as to prevent damage to parked vehicles.
2.3.6	Access Coordination	The Contractor shall coordinate all access to performance areas such as airfields and firing ranges through the KO. If required, the Contractor shall be in radio contact with the controlling authority during work performance.
2.3.7	Water Management	The Contractor shall conform to waste and water management measures imposed on the Navy and the Navy-imposed water conservation requirements
2.3.7.1	Water Conservation Plan	Not applicable to this contract.
2.4	References and Technical Documents	References and Technical Documents are listed in J-1503050-02.

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Recurring Work	The Contractor shall maintain unimproved grounds to ensure a slightly appearance.	Work includes routine services. This specification contains one area of grounds maintenance; unimproved. Grounds areas to be maintained are identified on the Site Maps provided in J-1503050-04-1 through J-1503050-04-06.	Unimproved grounds are maintained.
3.1	Improved Grounds	Not applicable to this contract.		
3.1.1	Lawn Care	Not applicable to this contract.		
3.1.1.1	Mowing and Trimming	Not applicable to this contract.		
3.1.1.2	Edging	Not applicable to this contract.		
3.1.1.3	Lawn Maintenance	Not applicable to this contract.		
3.1.2	Vegetation Control	Not applicable to this contract.		
3.1.3	Irrigation Systems Operation	Not applicable to this contract.		
3.1.4	Debris Removal	Not applicable to this contract.		
3.1.5	Shrub and Hedge Maintenance	Not applicable to this contract.		
3.1.6	Plant Maintenance	Not applicable to this contract.		
3.1.7	Plant Bed Maintenance	Not applicable to this contract.		
3.1.8	Tree Maintenance	Not applicable to this contract.		
3.1.9	Maintenance of Artificial Turf	Not applicable to this contract.		
3.1.10	Maintenance of Xeriscape Area	Not applicable to this contract.		
3.2	Semi-improved Grounds	Not applicable to this contract.		

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
3.2.1	Grounds Care	Not applicable to this contract.		
3.2.2	Tree Control	Not applicable to this contract.		
3.2.3	Vegetation Control	Not applicable to this contract.		
3.3	Unimproved Grounds	The Contractor shall perform the severing midstory and understory vegetation completely from the stump and mulching/shredding the downed vegetation, pre-existing slashes, and snags in the designated treatment areas.	The Contractor shall be performing heavy brush mowing. Unimproved grounds areas governed by specific requirements are identified on the Site Maps provided in J-1503050-04-1 through J-1503050-04-6.	Unimproved grounds do not interfere with operational requirements.
3.3.1	Grounds Care	Not applicable to this contract.		
3.3.2	Tree Control	The Contractor shall provide services which involves severing midstory and understory vegetation completely from the stump and mulching/shredding the downed vegetation, pre-existing slash, and snags in the designated treatment areas.	In stands consisting of mid-rotation timber, all hardwood midstory and pine midstory stems, to include any and all other brush or tree species, less than 5" in diameter at breast height (bdh), shall be cut unless otherwise specified. Midstory vegetation will be severed from the stump within 6" of the ground. Site locations are provided in J-1503050-04-1 through J-1503050-04-6. In stands consisting of pine regeneration with no over-story, and where sufficient numbers of pine stems exist, all vegetation will be removed to produce a spacing of pine stems of approximately 20'X20'. In areas of existing, pre-commercial pine plantations, mowing will only be done between the planted rows. Debris will not be gathered for treatment at a collection area. Any stems treated with hand tools will be mulched, shredded, or otherwise ground. Any pre-existing slash (stumps, logs,	Work is to be completed 90 days after date of contract award. Removal of midstory and understory vegetation completely from the stump. All vegetative debris that are on the ground, in the treatment area as a result of work, shall be mowed, mulched, shredded, or otherwise ground into small pieces and left where debris lay. Shredded material shall not be piled.

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>limbs) will be reduced to within 6" of the ground and chipped/mulched.</p> <p>All snags less than 5' dbh will be mulched/shredded or otherwise ground in small pieces to within 6" of the ground.</p> <p>Permission to remove dead snag hazard trees over 5" dbh will be obtained prior to cutting the snags. Point of contact is Mr. Pete Steponkus located at the Environmental Management Division (910) 451-7221.</p> <p>The mowing equipment will utilize a heavy duty type cutter head that can be raised and lowered. The cutter head will have either a rotating cutter, similar to the FECON BULLHOG, or a cutting head similar to the ROTARY AX style cutting attachment. The width of the cutting blade(s) should be equal to or greater than the width of the machine so that all trees will be cut in the path of the machine.</p> <p>MCI EAST Camp Lejeune Conservation Branch, Forest Management Section will perform site visits with the Contractor as required to discuss methodology and identify site boundaries. Point of contact is Mr. Pete Steponkus located at the Environmental Management Division (910) 451-7221.</p>	
3.4	Storm Drainage Systems	Not applicable to this contract.		

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Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	Non-recurring Work	Not applicable to this contract.		

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
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<u>ATTACHMENT NUMBER</u>	<u>ATTACHMENT TITLE</u>
J-1503050-01	Definitions and Acronyms
J-1503050-02	References and Technical Documents
J-1503050-03-1 through J-1503050-03-6	Site Maps

J-1503050-01
DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Aeration	Introduction of air into the soil by mechanical means to promote health and growth.
Appearance	Where there is a sense impression or outward aspect of an area or thing that is consistent, uniform and neat in and around the surroundings.
ATFP	Anti-Terrorism Force Protection
Artificial Turf	An artificial surface that resembles grass.
BASH	Bird Aircraft Strike Hazard
Berm	A mound or bank of earth typically used as a barrier.
Brow Ditch	A drainage ditch with sufficient slope to prevent erosion of adjacent grading.
Bruising of Lawn	An injury to grass areas resulting in discolored blades of grass, usually caused by mowing with a dull blade.
Caliper	The measurement of a tree trunk at its widest diameter, measured six inches up from the ground for trees under four inch caliper, and twelve inches from the ground for trees over four inch caliper. Multi-stem plants are measured at the widest point of all trunks, six inches up from the ground for trees under four inch caliper, and twelve inches from the ground for trees over four inch caliper.
Classification and Ordering of Plants	For the purposes of pruning, trimming, planting, or removal, specific plants shall be identified according to their type and application as specified in the American Horticulture Society Encyclopedia of Garden Plants (latest edition), D.K. Publishing under ISBN-0-7894-1943-2. Example: A Red Tip Photinia bush which is 15' tall will be classified as a shrub.
Clipping	Any vegetation that is left on paved surfaces, lawns, and plant beds after being cut by means of shears, mowers, etc.
De-thatch	Removal of unwanted thatch from mowed areas to promote health and growth.
Debris	Includes, but is not limited to, paper, cans, bottles, limbs and branches, pine straw and pinecones, leaves, rocks, and other similar items.
Depression	A small area that has sunken below its surroundings.
Diameter at Breast Height (DBH)	The diameter of a tree measured at 4½ feet above ground level.
Edging	Creating a uniform edged cut to promote a neat appearance and prevent ground structures from vegetation encroachment.
Fertilization	Application of natural and synthetic materials to the soil where it has become deficient in nutrients essential for proper plant growth.
FronD	A large leaf or branch of a palm tree, usually with many divisions.
Grade	To bring soil to previously established level or inclination using appropriate tools and equipment.
Grass Cutting	Cutting or trimming, monoecious flowering plants with simple leaves, within a designated area. Also includes cutting and trimming broadleaf weeds and other vegetation found in the lawn area to the required height as specified per contract.
Ground Cover	A plant which is chosen for the special task of providing a dense low attractive cover that prevents weeds and erosion. Varieties include, but are not limited to Vinca, Hosta, Ivy, Alyssum, Ajuga, and Liriope.
Hedge	Shrubs or other plants planted closely together so as to form an unbroken line during trimming.
Improved Area	Improved grounds apply to areas within the built-up section of an installation which contains lawns and landscape development parade grounds, drill fields, athletic facilities, cemeteries, golf courses (except roughs), and similar areas, and include the maintenance and care of ornamental and decorative growth, such as shrubs and flowers and other plantings that are appurtenant to and within lawn areas.
Irrigation	Application of water to the soil to promote health and growth.

J-1503050-01
DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Irrigation System	A permanent system used for apply water to lawns and plants. The irrigation system includes all pumps, controls, piping and, sprinkler heads. The irrigation system starts at the valve supplying to the system.
Maximum Growth Height	That limit of dominant vegetative growth, excluding seed heads or pods.
Mowing	Cutting of all grasses, weeds, and other vegetation that is 1 inch or less in diameter (at ground level).
Parcel	A designated area of land which may be indicated on installation maps or other attachments.
Prestige Area	Prestige grounds apply to areas in the immediate vicinity of main gates, command headquarters buildings and similar areas, and includes the maintenance and care of ornamental and decorative growth, such as shrubs and flowers and other plantings that are appurtenant to and within lawn areas. Limited to 5% of improved acreage.
Pruning	The selective removal of unwanted growth to restore a plant or tree to its natural symmetry and appearance. Pruning involves selection and judgment, and does not include the practice of cutting off all branches to an even length. This may include re-sculpting, changing the size, or any other form of work that directly affects the look and growth pattern of the plant.
Rejuvenation	The severe pruning of overgrown bushes, shrubs and hedges to within a few inches of the ground or as directed by the KO to restore the plant to its natural shape.
Rut	Depressions made in soil or grass by tires of vehicles or heavy equipment.
Semi-improved Area	Semi-improved grounds apply to airfields, small arms ranges, ammunition storage, and similar areas.
Shrub	A woody perennial plant generally smaller than a tree, usually having many permanent stems branching from or near the ground, and does not have a definite crown shape. Shrubs may be deciduous or evergreen, and in the area covered by this contract, may be very large in height and width.
Sightly	Attractive, tasteful, or pleasing to the sight and consistent with its intended purpose.
Special Event	Services that could not reasonably have been anticipated and were not contemplated at time of contract award.
Stump	The bottom portion of a tree, which remains in the ground after the tree, has been cut for removal. Usually less than five feet in height.
Swale	A low-lying or depressed area intended for drainage.
Thatch	A layer of slowly decomposing organic residues situated above the soil surface and constituting the upper stratum of the medium that supports turf grass growth. Usually associated with warm season grasses.
Tree	A perennial woody plant having a permanent self-supporting single stem or multiple stems. Ordinarily grows higher than ten feet, and usually develops branches at some distance above the ground with a definite crown shape.
Trimming	Removal of unwanted vegetation around trees, shrubs, flower and shrub beds, cultivated areas, poles, walls, valves, and other similar objects to match the height and appearance of the surrounding grass. Shrub and hedge trimming includes removal of unwanted vegetation to maintain a uniform, and well-shaped appearance, and to prevent interference with pedestrians, vehicle traffic and building encroachment.
Trunk	The main stem of a tree, usually long, large and relatively straight.
Unimproved Area	Unimproved grounds apply to agricultural areas, pastures, forests, swamps, marshes, deserts, and rocky or barren areas.
Xeriscape	A trademark for a method of landscaping that emphasizes water conservation in its use of drought-resistant plants

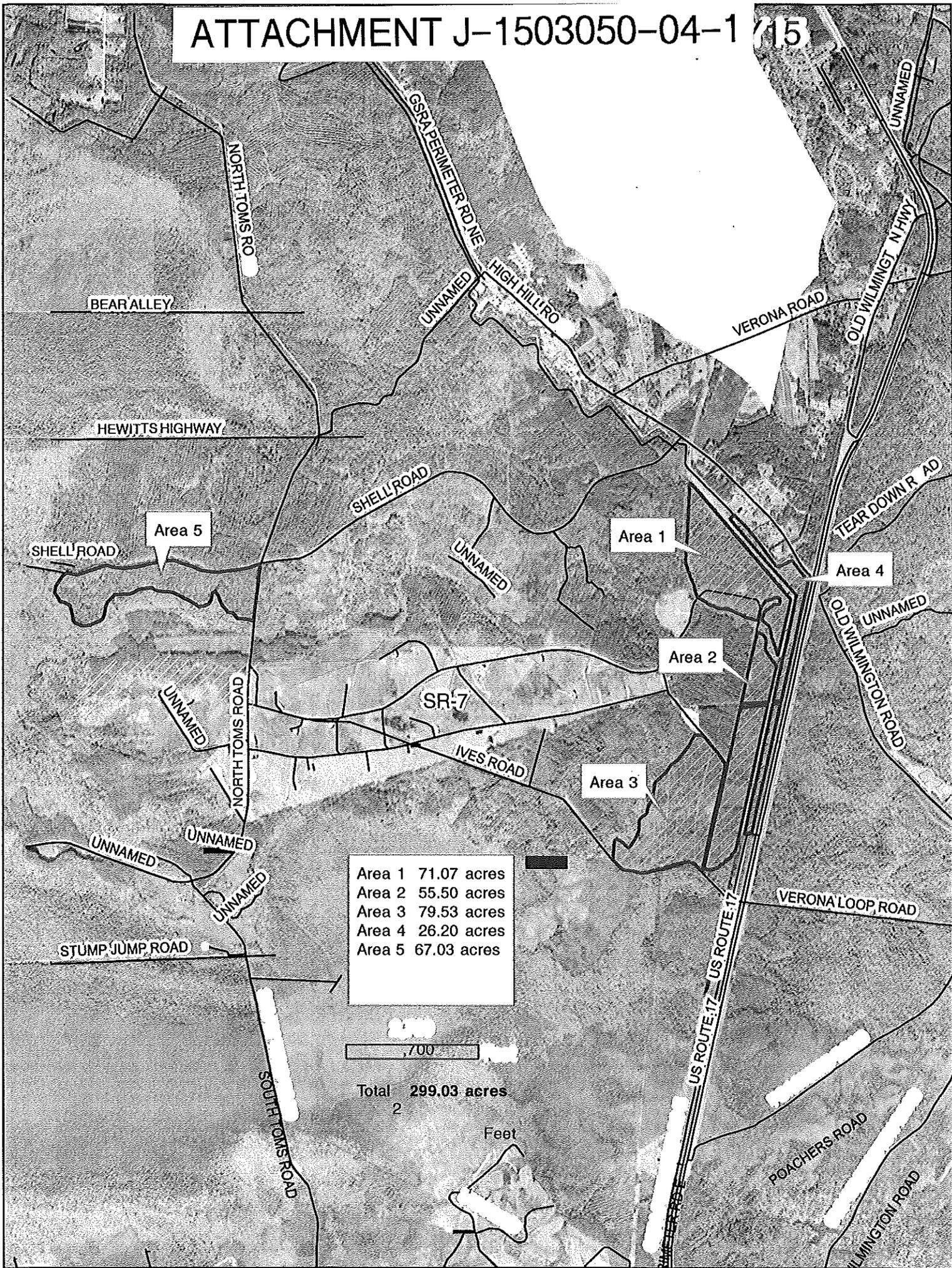
ATTACHMENT J-1503050-03

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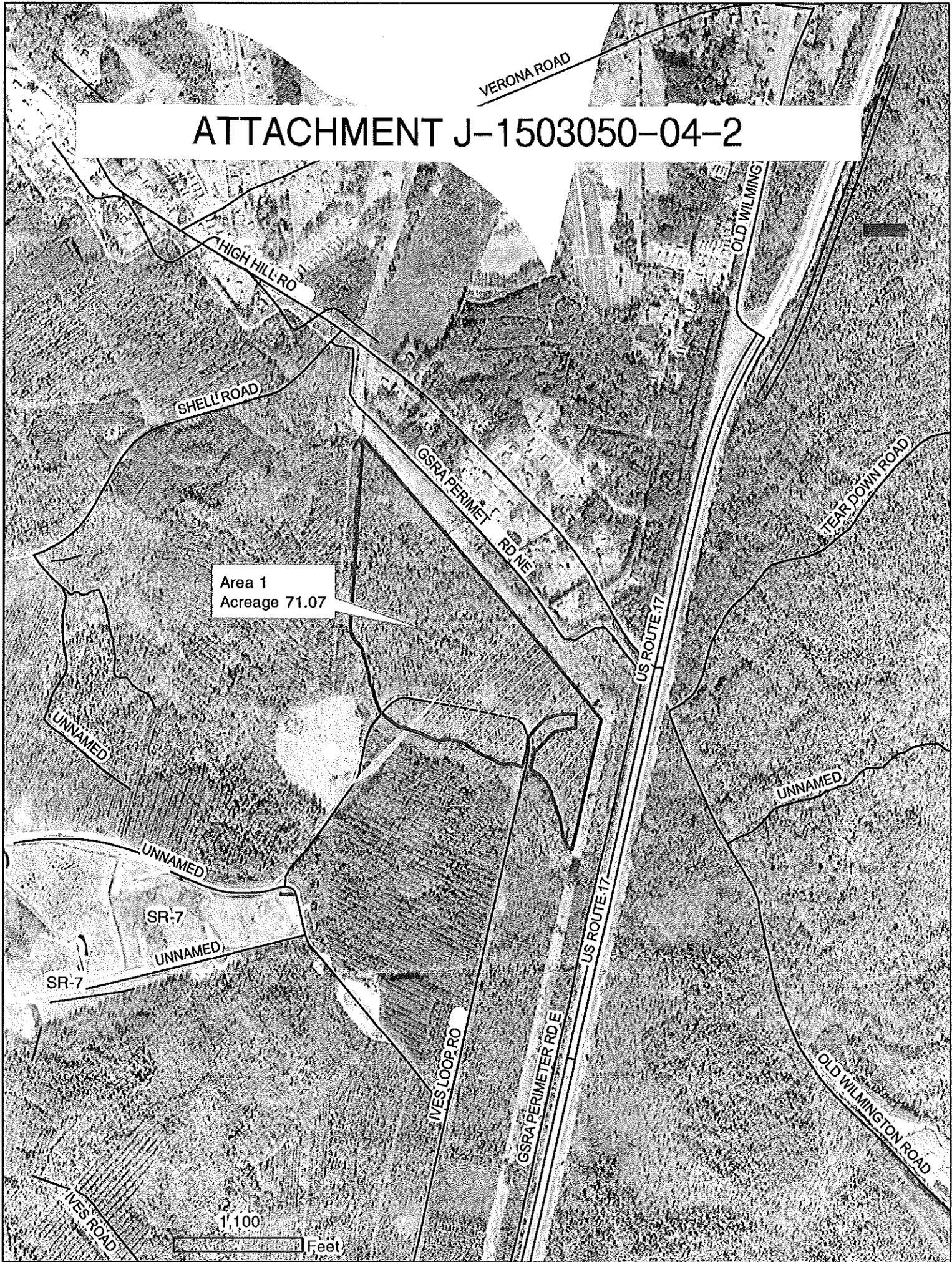
ATTACHMENT J-1503050-02
REFERENCES AND TECHNICAL DOCUMENTS

<u>Reference</u>	<u>Title</u>
ANSI Z133.1	American National Standard of Tree Care Operations-Pruning, Trimming, Repairing, Maintaining, and Removing and Cutting Brush-Safety Requirements.
ANSI A-300	American National Standard of Tree Care Operations-Tree, Shrub and Other Woody Plant Maintenance-Standard practices, Secretariat-National Arborist Association, Incorporated.
Irrigation Association - Water Management Committee	Turf and Landscape Irrigation Best Management Practices April 2005
NAVFAC DM 5	Drainage for Areas Other Than Airfields
NAVFAC INST 11320.2(most current)	Fire Prevention and Protection
NAVFAC P-73	<u>Natural Resources Management Procedural Manual</u>
NAVFAC MO-100.1	Natural Resources Land Management
NAVFAC MO-100.3	Natural Resources Fish and Wildlife Management
NAVFAC MO-100.4	Natural Resources Outdoor Recreation and Cultural Values
NAVFAC P-905	Planting and Maintenance of Trees, Shrubs, and Vines
NAVFAC P-960	Installation Design, Chapter 1 "Planting Design"
NAVSEA OP 5	Ammunition and Explosives Safety Ashore
OPNAV 5090.1 (most current)	Safe Drinking Water Act Compliance Ashore
OPNAV INST 6240.3 (most current)	Chapter 9, Pest Management
NFPA Fire Protection Handbook	Fire Protection Handbook

ATTACHMENT J-1503050-04-1 15



ATTACHMENT J-1503050-04-2



ATTACHMENT J-1503050-04-3



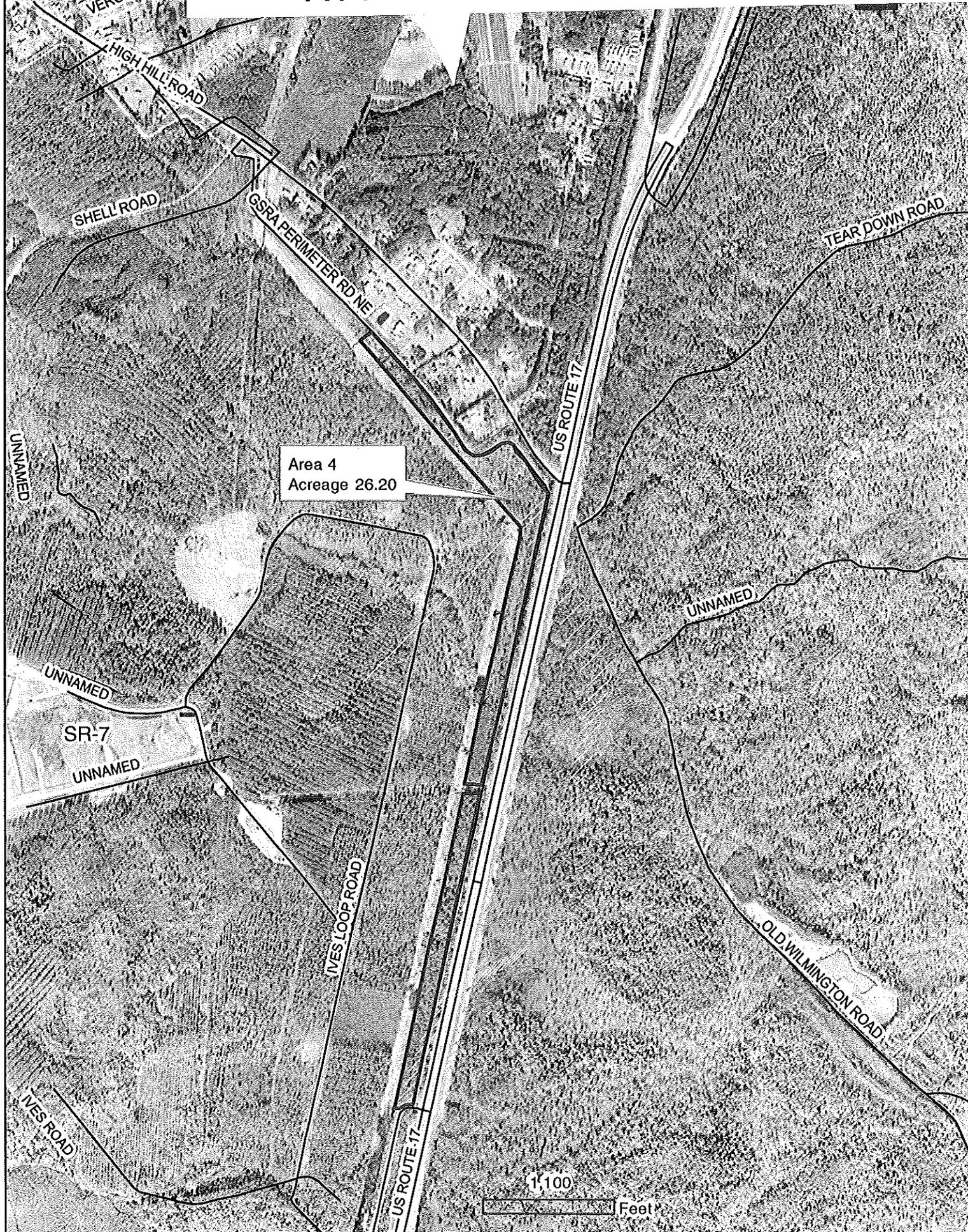
ATTACHMENT J-1503050-04-4



Area 3
Acreage 79.53

900 Feet

ATTACHMENT J-1503050-04-5



ATTACHMENT J-1503050-04-6

