

GENERAL CONSTRUCTION NOTES

1. The landowner is responsible for procuring and complying with all permits and easements, including all Federal, State and local requirements. The landowner is also responsible for insuring that all work done on access roads that join state or county roads shall be in compliance with the requirements for these roads.
2. Earthwork shall be kept to the extents shown on drawings. Care shall be taken to minimize disturbance to hillside slopes and surrounding environment to the greatest extent possible. Removal of grass, trees, shrubs and all other stabilizing vegetation, where possible leave or minimize.
3. Grades shall not exceed 10% except for short lengths unless approved by a qualified NRCS representative.
4. Surface of road depends on use, road and hillside slope, and location. See drawing for more details.
5. Intersection with public roads shall be at an angle of 90 degrees to provide maximum turning radius for trucks.
6. Disturbed areas and slopes shall be seeded to grass upon completion. Seed mix will be determined by qualified NRCS representatives.
7. Care shall be taken to balance cut/fill volumes on all road work to minimize handling, transport and disposing of spoils away from site. All cuts and fills shall have side slopes designed to be stable for the site conditions.
8. Operating speed in all blade (shaping) operations shall not exceed 5 mph. Recommended operating speed shall be 3 to 4 mph.
9. Use INSLOPE road on steep grades, unstable or erodible fill, medium use, and where ditches can be constructed.
10. Use OUTSLOPE road on less than 8% grade, rocky or well drained soils, unable to maintain ditches, low or temporary use.
11. Use CROWN road in high traffic areas, unstable or erodible soils, year around use. 1/2" of crown per foot (-4% slope) on the cross-slope is recommended for long term performance.

SITE PREPARATION

1. Construction operations should be carried out in such a manner that erosion, air, and water pollution are minimized and held within the legal limits.
2. Construction shall begin when site is firm enough to support heavy equipment. Care shall be taken to avoid earthwork when soils are wet or at other times when soils are very dry.
3. Tree, stumps, roots, brush and weeds shall be removed from the work area. Fill and compact low spots.
4. Subgrade shall be moist during preparation.
5. Construct road above natural ground for better drainage when possible.
6. Site shall be tightly bladed to provide a smooth surface for placement of gravel base and/or to support the fabric. Tight blading will establish a crown (as necessary) and will provide drainage for surface runoff and will provide a smooth surface to insure an even thickness of gravel placed on the fabric.
7. At a minimum, roadside ditches shall be 1 foot below road surface.
8. Drainage ditches shall be graded.
9. Where appropriate, recommend minimum 2% slope on ditches and road surfaces to insure proper drainage.
10. Subgrade shall be compacted with appropriate roller compaction equipment and in the appropriate lift thickness prior to placement of aggregate base.
11. Seed and mulch ditches and side slopes. Lime and fertilize seeded areas if directed by NRCS.

PLACEMENT OF GEOTEXTILE FABRIC (AS APPLICABLE)

1. Care shall be taken to continually pull fabric taut to keep fabric free of wrinkles during installation. The fabric should be installed as smooth and wrinkle free to prevent fabric from tearing during placement of gravel.
2. If more than one roll width is required, overlap rolls a minimum 18" or as required by manufacturer.
3. Care shall be taken to determine which direction gravel will be dumped and spread. All lap joints shall be made in the same direction to prevent separation of fabric.
4. Edges and laps shall be nailed down using 40d to 60d nails and flat washers (or approved equal) spaced a maximum of 24" o.c., or per manufacturer's recommendations. The washers help keep the head of the nail from pulling through the fabric.
5. All edges shall be buried in a trench 8" deep to prevent fabric from being exposed during normal wear and tear.
6. Heavy equipment operator shall be cautioned against sudden hard stops of take-offs while equipment is on the fabric or from turning the front wheels on the fabric. Sudden sliding or spinning of the truck can tear the fabric or wrinkle the smooth surface.
7. Care shall be taken not to drive directly on fabric.

PLACEMENT/COMPACTION OF GRAVEL

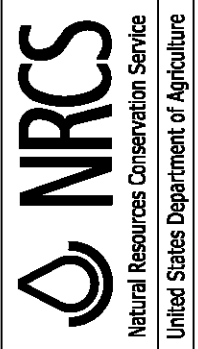
1. Base aggregate shall be well graded with fines no greater than 7%. Fines shall be non-plastic (no clay).
2. Base surface aggregate shall be hard, durable, and face fractured. Durability shall be determined by the appropriate testing (i.e. LA Abrasion test, Oregon Air degradation, etc). At a minimum, rock shall be classified using the Unified Rock Classification System (URCS) to determine its suitability for use as a paving material for gravel roads.
3. Equipment should begin dumping the gravel on the fabric at least 5 feet from the starting end of the fabric to prevent fabric from catching air underneath it and allowing gravel to migrate underneath fabric.
4. Equipment operator shall maintain a minimum of 6" of cover between the fabric and the drive wheels at all times in order to support the weight of the equipment and to absorb the torque action of the drive wheels.
5. Spread the aggregate over geotextile to design thickness.
6. Place the minimum required depth of aggregate base material as per indicated on drawings. Aggregate base shall be placed in horizontal layers not to exceed 12 inches in thickness prior to compaction. Every point on each layer shall be compacted by at least 8 passes of 7 foot wide operated smooth drum vibratory (1,400 vpm or more) roller, or as approved by the Engineer. Additional passes may be needed if rutting/pumping of surface is observed.
7. A hand tamper is acceptable for use in compacting sand and gravel in trenches.

MAINTENANCE REQUIREMENTS

1. Ensure road surface water flow by grading periodically. Maintain crown and eliminate shoulder buildup.
2. Mow ditches to promote healthy vegetation.
3. Perform inspections on road, ditch, and other structures annually and/or after significant storm events.

Date \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Title \_\_\_\_\_

ACCESS ROAD JOBSHEET  
 CONSTRUCTION SPECIFICATIONS  
 PRACTICE STANDARD 560 - ACCESS ROADS



File Name  
 access\_roads.dwg  
 Drawing No.

Sheet \_\_\_\_\_ of \_\_\_\_\_