

Concrete Pad Construction Notes

1) The concrete shall meet the provisions of ASTM C-94. Concrete shall have a minimum compressive strength of 3,000 PSI at 28 days, have an air content of 4 to 7% and contain a minimum of 6 bags of cement per cubic yard. Cement used shall be type 1 or 1A. Coarse aggregate shall conform to ASTM C-33 size numbers 467, 67, or 57. Slump shall be 3 1/2" + or -1". Concrete may be mixed at the site providing the concrete is proportioned and mixed to meet the above specifications.

2) Maximum 6"x6" 6/6 spaced Welded Wire Fabric (WWF) meeting ASTM A-185 shall be used. Splice by overlapping the two pieces so the end crosswire of each piece is in contact with the second cross wire of the other piece. Secure to prevent curling and support the fabric with metal or concrete bar supports (concrete chairs) spaced 2' apart both ways to insure proper location in the center of the pad. There shall be a minimum of 2" clear cover between any reinforcing steel or wire fabric and any concrete surface. With the approval of NRCS technical staff polypropylene fibers added at the rate of 1.5 lbs per cubic yard may be substituted for the welded wire fabric. When used the polypropylene fibers shall be manufactured for such use and shall have a specific gravity of 0.91 and a Tensile Strength of 80 to 100 ksi, and shall be added to the concrete when it is batched.

Note: This detail can be used where vehicles park, load, unload or turnout onto public roads. Also for light use access roads, over pipe or culvert crossings, or as a ford crossing. Pad design based on temperature and shrinkage steel and min. concrete cover. For heavier loads or if the pad is part of a larger structure, use additional steel.

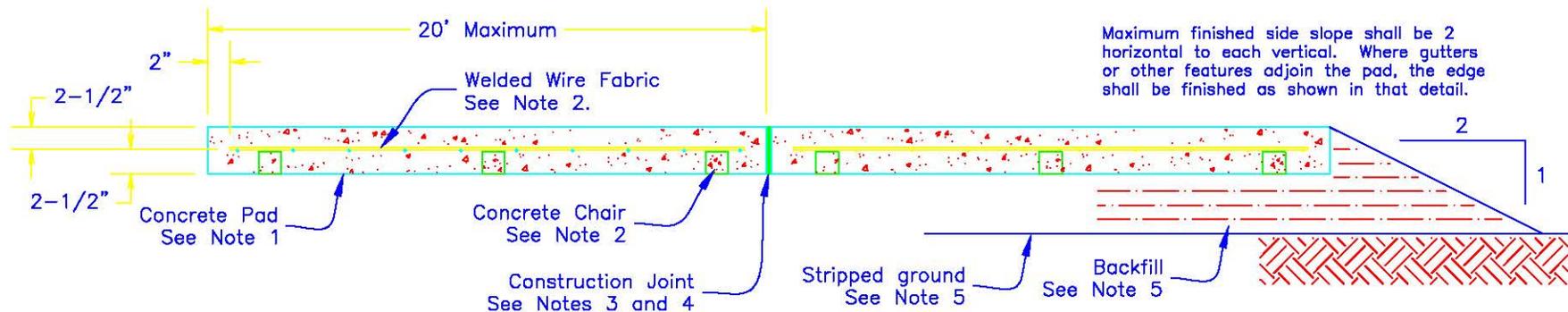
3) Construction joints shall be made with the end of each pour perpendicular to the finished surface of the concrete.

4) The maximum spacing between construction joints shall be 20 ft in any direction. Joint material shall be asphalt treated fiber board, or other approved insect and rot resistant material.

5) Fill, when required by the site, shall be placed in 9 inch lifts and compacted with four passes of a vibratory plate for each lift. Fill shall be free draining granular material and shall not be placed on organic or other material susceptible to settling.

6) The concrete shall be moist cured for six days following placement. Moist curing can be accomplished by keeping it covered with damp cloth, organic material, or plastic sheeting. Moisture shall be added to maintain the dampness during the curing period. Concrete shall be covered to prevent damage from rain during the curing period.

Concrete Pad Quantities		
Item	Units	Quantity
Concrete, 3,000 PSI	Cubic Yards	
6"x6" 6/6 WWF	Square Feet	
Asphalt Fiber Board	Square Feet	
Concrete Chairs	Each	



Maximum finished side slope shall be 2 horizontal to each vertical. Where gutters or other features adjoin the pad, the edge shall be finished as shown in that detail.

Elevations, grades, dimensions, and location of concrete pad are shown on the profile, cross section, and plan view sheets.

Side View of Concrete Pad

Scale : No Scale

Date	Approved by	Date	Approved by	Date	Approved by
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Title	Title	Title	Title	Title	Title
.....
Designed	Drawn	Traced	Checked
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Detail of Concrete Pad for Access Roads U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE					
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