

APPENDIX 2.10

Additional Civil Design Criteria

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- A 20' travel width at the minimum 115' outside curve radii is acceptable.
- The blade tip sweep has been based upon the platform trailer being able to turn corners while holding the center point of the trailer tangent to the inside edge of travel way.
- Grade is allowed to break at the edge of the turbine foundation limits.
- Access to turbine pads is to be provided at a 45-degree angle or less.
- Maximum elevation of the crane pad above finished grade at the foundation is 20 feet.
- The minimum elevation of crane pad below the foundation is 1 foot.
- 2' shoulders are to be provided beyond the 50x160 crane pad.
- A 6" maximum dip or rise in 50' is acceptable where the crane comes onto the crane pad.
- At corners a 14% centerline grade will result in a steeper inner cord grade. M.A. Mortenson has indicated that this is acceptable and the 14% maximum design centerline grade does not need to be reduced at radii.
- A minimum K value of 10.5 is allowed for vertical curves.