

## **Road Standards and Specifications: Road Right-of-Way (ROW)**

### **ROW Felling**

- Summer: 7 - 20 m
- A. on east/west roading, feller buncher should place bunches on south side of ROW.
- B. using the maximum allowed ROW width in summer will improve drying by increasing daylight and allowing exposure to wind.
- Winter: 7 - 20 m
- A. using narrower ROW widths in the winter will provide shading and help to extend the haul season in spring weather.

## **ROW Skidding and Decking**

### **Skidder operators should avoid decking:**

- In depressions where culverts will be installed.
- Where deep fills will raise roadbeds, making it difficult for the loader to load trucks.
- At the edge of topography breaks, where earth cuts will make the decks inaccessible to loaders.
- In truck turn-arounds.

### **Log decks must:**

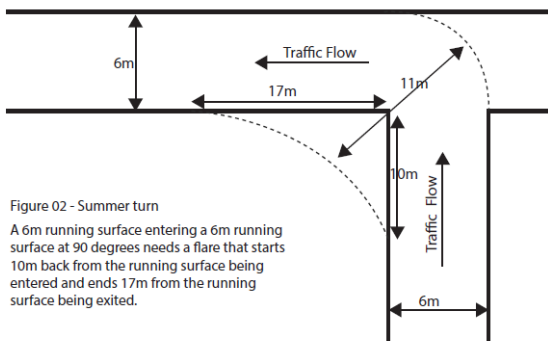
- Follow the road alignment.
- Be within 3 m of the edge of the road.
- Should be at least 2.0 m in height.
- Utilize as much road as feasible

## Temp Road Construction

### Summer Roads

- Running surface of 5 - 10m.
- Completed v-ditches no less than 0.5m deep where required to ensure water drainage.
- A crowned surface to shed water when ditching.
- Ditching is not required on high parts of the roading.
- Stabilize road surface on main block roads, if required, with materials such as gravel or geogrids.
- Ensure roads are built so they shed water away from the road area.

### Roading Turns (90 degrees)

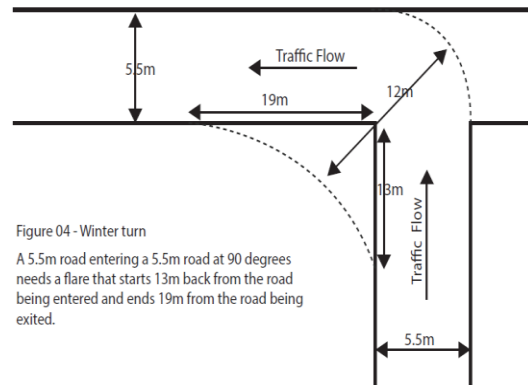


## Temp Road Construction

### Winter Roads

- A running surface of 5 - 10m.
- No ditching is required.
- Shearing of stumps is acceptable.

### Roading Turns (90 degrees)



## Road Standards and Specifications

### Adverse Grades (Loaded Truck Flow)

Final grades must not exceed:

- 10% (short pitch) OR
- 8% (sustained run).
- 9% grade change in less than 9 m linear distance.

### Favorable Grades

Final grades must not exceed:

- 12% (short pitch) OR
- 10% (sustained run).
- 9% grade change in less than 9 m linear distance.

## **Road Standards and Specifications (cont'd)**

### ***Cuts and Fills***

- Should be completed to the above specifications as native road material is graded.
- Do not have to be backsloped, as they will be reclaimed after the log haul is complete.
- May require culvert if impeding drainage.

### ***Ditchlines (Summer Roads only)***

- Must provide unimpeded drainage
- Must be established before the grader completes a final crowning.
- Diversion ditches and or ditchblocks must be constructed where applicable.

## **Truck Turnarounds and Pullouts**

Loops (Figure shown below) or T-turnaround must be available every 500 m within the block.

Truck turnaround loops must be:

- Constructed at the end of each harvest block.
- A minimum of 35 m on the inside diameter when using a 6 m wide road.

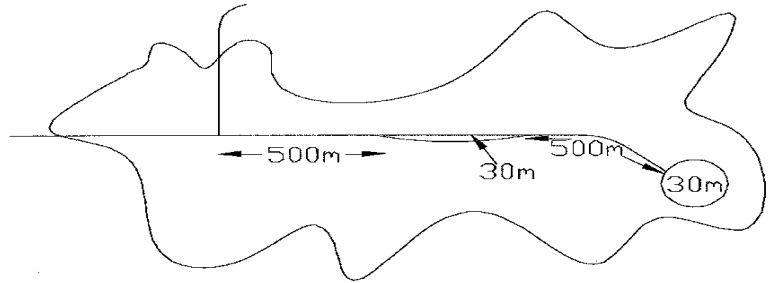
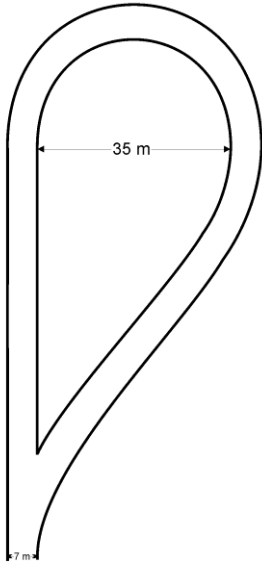
Hayracks with jeeps:

- Loop diameter must be increased to accommodate hayrack with jeep configuration.

Truck T-turnaround must be:

- Constructed at 90° to the access road.
- Widened (flared) at the junction to the access road to allow trucks the ability to turn in either direction.

Provide Truck Turnaround Every 500 Meters within Harvest Block



#### **Truck Pull-Outs**

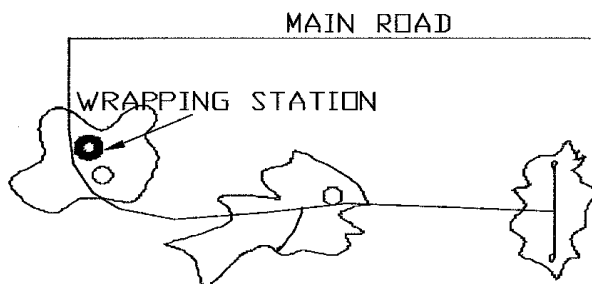
- Must be provided for empty trucks at least every 500 m.
- Should be a minimum of 5 m wide and 35 m long.

#### **Wrapping Station**

Each series of blocks must have a wrapping station constructed before a main access to allow trucks to secure their loads. The wrapping station must be:

- At least 50 m long.
- At least 5m wide.
- Located on the loaded traffic side of the road.
- May be substituted with properly constructed junctions and Tear Drops within the block.
- Should be placed where there is the least amount of disturbance, such as in natural clearings, abandoned well sites, or non-merchantable areas.

Wrapping Station Located at End of Series of Blocks



***Pipeline Crossings***

- Do not begin construction of a pipeline crossing without permission from an Operations Coordinator.
- Check with the Operations Coordinator to confirm pipeline crossing agreement specifications
- Must have 31 m of straight road on either side of pipeline crossing
- Do not exceed vertical curve grades of 9% over 9 m.
- Soil cover of at least 1.2 m deep and 5 m wide must cover the width of the pipeline ROW. The use of rig mats may also be an option.

***Approaches to Main Roads***

- Must be level to Intersecting road
- Minimum of 31 m long and flared in both directions

***Well Heads***

- Roads must be a minimum of 10 m from well heads, unless otherwise stated

***Borrow Pits***

- Can be excavated within allowed road right of way.



