CONSTRUCTION NOTES

- All work will be done according to Maine NRCS Construction Specification 432, Structure Concrete and Steel Reinforcement.
- Subgrade material shall be well compacted.
- Rebar shall be tied to ensure a rigid mat. Mat shall be located 1.5–2 inches below finished surface of slab.
- Subgrade and reinforcing steel shall be approved prior to placing concrete. Forms shall be made available for inspection at least 24 hours prior to concrete placement. Failure to notify the NRCS of concrete prior to concrete placement may result in the project not meeting NRCS standards and specifications the withdrawal of technical and financial assistance.
- If fiber is approved, use polypropylene fiber at 1.0–2 pounds per cubic yard (0.1%–0.2% by volume).
- Concrete shall have minimum compressive strength of 3000 psi at 28 days.
- Concrete shall use Portland Cement Type II or Type IA.
- Concrete temperature at time of placement shall be between 50°F–70°F.
- Day air temperature at time of placement shall be between 40°F and 90°F.
- Mix concrete shall not be in the truck more than 1.5 hours.
- Moisture in the slab before placing concrete.
- All exposed surfaces of the concrete shall be accurately scored to grade and then float finished, unless specified otherwise.
- Exposed concrete surfaces shall be kept moist for 7 days or until curing compound is applied.
- Joint shall be used on all slab jobs. See Joint Details.
- All O.S.H.A. requirements shall be met during construction.
- Any changes from design must be pre-approved by the NRCS.

Check required reinforcement:

<table>
<thead>
<tr>
<th>Reinforcing Joint Spacing</th>
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</thead>
<tbody>
<tr>
<td>Plan concrete: 18 Ft.</td>
</tr>
<tr>
<td>#3 bars @ 18&quot; - 25 Ft.</td>
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<tr>
<td>Fiber: 25 Ft.</td>
</tr>
<tr>
<td>Fiber or Steel—Land Owner’s Choice</td>
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</tbody>
</table>

Gravel Base Details:
- Gravel base to be 12" thick unless otherwise specified.
- Gravel to be free draining base run gravel or crushed rock.
- Bottom 9" to have no rocks larger than 3".
- Top 3" to have no rocks larger than 1.5".
- No more than 5% may pass the #200 sieve.

NO STEEL OR FIBER REINFORCEMENT:
Use contraction joints or construction joints. Space joints at 10' maximum each way.

CONTRACTION JOINT—Place a cut or trowel groove 1/2 the thickness of the concrete slab.

STEEL OR FIBER REINFORCEMENT:
Use contraction joints and construction joints. Space joints at 25’ maximum each way.

When steel reinforcement is used, use equal size steel at joints. Stop steel 2" back at each side from joint.

CONSTRUCTION JOINT—Place a cut or trowel groove 1/2 the thickness of the concrete slab.

Saw Cut or Trowel Groove 1" Deep
Saw Cuts Shall be within 4–12 Hours of Pour.

Discontinue Steel Through Joint

TOP VIEW

* STANDARDIZED DESIGNS MUST BE ADAPTED TO THE SPECIFIC SITE.
NOT DRAWN TO SCALE