

SUPPLEMENTAL SPECIFICATIONS

1. **PERMIT:** The individual in charge of the work shall have the permit and the approved plans of sketches in his possession on the job at all times.
2. **EXCAVATION AND DISPOSAL OF EXCAVATED MATERIALS:** The contractor and/or the Utility Company shall provide and place the necessary sheeting, shoring and bracing required to prevent caving, loss or settlement of foundation material supporting the pavement, or any other highway installation such as sewers, culverts, etc. The contractor and/or Utility Company shall assume the full responsibility for this protection and shall not proceed in these areas before approval of methods by the Commission.
3. Excavated material shall be stocked in such locations that it does not obstruct vision on the traveled portion of the highway and in such a manner that it will interfere as little as possible with the flow of traffic. Sod and topsoil shall be stocked separately from other excavated material. The applicant shall dispose of all surplus and unsuitable material outside of the limits of the highway unless the permit provides for disposal at approved locations within the right-of-way. In the latter case, the material shall be leveled and trimmed in an approved manner. All materials stocked in the road right-of-way shall be properly signed.
4. **BACKFILLING AND COMPACTING BACKFILL:** All trenches, holes, and pits shall be filled with sound earth or sand-gravel if so provided, placed in successive layers not more than 9 inches in depth, loose measure, and each layer shall be thoroughly compacted by tamping and all backfill compaction will be subject to check by the Controlled Density Method. Restoration shall be such that it will provide a condition equal to or better than the original condition and in accordance with Michigan Department of State Highways and Transportation Standard Specifications.
5. Sand-gravel backfill material shall consist of approved bank-run sand or gravel or a mixture of approved sand or stone screenings with gravel or crushed stone provided that there shall be a substantial excess of sand or stone screenings in the mixture. All of the material shall be of such size that it will pass through a screen 2 ½ inch square openings, unless otherwise authorized.
6. **CROSSING BY CUTTING GRAVEL AND TRENCHING:** All trenches shall be backfilled with sand-gravel as specified in paragraph 3, or material accepted to the Commission, to within 6 inches of surface or traveled portion of road. Place 8 inches of 22A gravel in trench on traveled portion of road.
7. **CROSSING ROADBED BY BORING OR JACKING:** When pipe is installed by boring or jacking without cutting the existing pavement, the backfill shall be made by tamping a dry mix of lean concrete into place so as to completely fill any voids remaining around installation. The concrete shall be composed of one part of Portland cement and 10 parts of sand-gravel by volume. Sand-gravel shall conform to the requirements given in paragraph 3. Boring pits shall be minimum 10 feet from the edge of the traveled roadway.
8. **CROSSING BY CUTTING PAVEMENT AND TRENCHING:** When this method is approved by the Commission, the pavement shall be cut back so that the opening is at least one foot wider on each side than the width of the trench. In all concrete surfaces or bases, edges of trenches shall be formed by the use of a concrete saw. The pavement shall be broken in such a manner as to allow the reinforcing steel to protrude a sufficient distance for lapping or tying with similar reinforcement in the pavement patch. In all asphalt surfaces or bases, the material shall be cut in a straight line. Backfill shall be made with sand-gravel as specified in item 3. After the backfill has been placed by the controlled density method, the pavement shall be replaced with new pavement of the original type and quality, unless at a season of the year when it is not feasible to replace pavement in kind, in which case a temporary surface of bituminous material shall be placed, and later replaced with pavement of original type at the applicant's expense.
9. **DEPTH OF COVER MATERIAL:** Pipes shall be placed to a depth that will provide not less than 4 feet of cover between the top of the roadway surface, the top of the pipe, and not less than 3 feet below bottom of ditches to the top of the pipe, unless otherwise authorized by the Commission.
10. **TREE TRIMMING OR TREE REMOVAL:** (a) Contact and secure permission of the abutting property owner where necessary. (b) Dispose of all limbs, stumps and litter in a manner acceptable to the Commission. (c) Comply with any additional supplemental provisions deemed necessary to protect the interest of the Commission.
11. **INSPECTION:** In all cases the applicant or contractor shall notify the Commission 48 hours in advance of when the work will commence so, if necessary, arrangements may be billed for the necessary expense of the inspector.
12. **OTHER REQUIREMENTS:** Any operation in the right-of-way not covered by the above specifications, submitted with this permit, shall be done in accordance with Commission requirements.
13. **COMPLIANCE:** Full compliance is required with and regulations of the Public Service Commission and Municipal or County Regulations.
14. **ATTACHMENTS:** THE FOLLOWING MUST BE ATTACHED TO APPLICATION WHEN APPLICABLE: 1) Deposit, except for residential driveways and local units of government 2) Plans, specifications and location of facility. 3) Copy of resolution- for local units of government. 4) Traffic plan in case of street closures. 5) In case of banner applications, legend must be shown.
15. **MISS DIG:** CALL MISS DIGS at least 48 hours before you dig. Toll free phone number: 1-800-482-7171.