

OSCEOLA COUNTY ROAD COMMISSION

OPEN CUT ROAD CROSSING GUIDELINES

The following guidelines are to be used for open cut connections across public roads under the jurisdiction of the Osceola County Road Commission (OCRC):

Far side utility connections shall be made via bore and jack methods or, if approved by OCRC, open cut.

Permit Requirements

The following requirements must be met:

- Completed permit application with purpose fully explained (e.g. construct 1-1/2 inch diameter natural gas main across Mackinaw Trail)
- Furnished scaled plan and cross-section drawings with application (see requirements below)
- Insurance certificate with the Osceola County Road Commission listed as a certificate holder
- Permit fee paid, if applicable
- Reimbursement of OCRC for all staff oversight time & materials.

Drawing Requirements

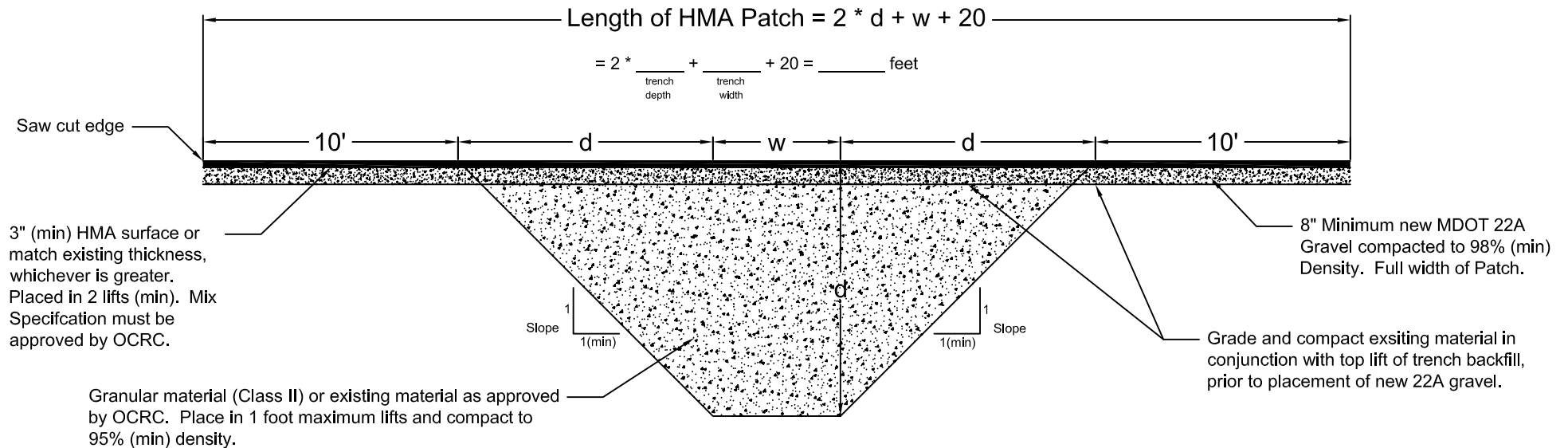
The plan detail and cross-section drawings shall indicate, as a minimum, the following:

- Pavement & shoulder widths, also sidewalk and curb & gutter locations, when applicable
- Right-of-way lines and width
- Location, size, and depth of mainline utility
- Location, size, and depth of proposed service including boring, casing, size, and length
- Location and address of building to be serviced
- Location of known existing utilities (type, size, and dimension)
- Minimum scale of 1 inch = 50 feet
- Drawing sheets shall be 8.5"x11" or 11"x17"
- When the residence/development area to be serviced is too large to be displayed, a separate General Plan of Site sheet at 1 inch = 100' should be provided

Additional Requirements for Open Cut

- Submit Traffic Control Detail sheet with proposed signing, detours and or staging. Signing shall be in accordance with the requirements of part 6 of the Michigan Manual of Uniform Traffic Control Devices.
- No Work allowed on Saturday or Sunday
- All work shall be completed during daylight hours. Road must be re-opened to traffic no later than sun down.
- Applicant/Contractor shall notify Emergency Services and the OCRC not less than 15 minutes prior to, and immediately following, lane closures.
- For open cut crossings provide length, width and thickness of pavement to be disturbed. Saw cut pavement perpendicular to centerline, not less than 10' from edges of trench excavation. Restoration thickness of pavement shall be the same as the existing pavement, but not less than 3" placed in two (min) lifts.
- Compact trench material at maximum 1' layers and provide certification density by a licensed engineer. Density shall be 95% (min).
- Place a minimum of 8" of new aggregate meeting the MDOT requirements for Aggregate Base. Provide certification of obtaining 98% (min) density.

OPEN CUT ROAD CROSSING REQUIREMENTS



NOTES:

ENGINEER CERTIFICATION:

A Registered Professional Engineer shall certify the following in writing:

- Document the as constructed dimension of trench width, trench depth and width of patch.
- Certify that the dimension comply with the OCRC requirements.
- Certify that the materials (backfill, gravel, bituminous mixture) are per requirements.
- Certify that the material compaction (Density) requirements were met. Include Density Reports in submittal.

DENSITY TESTING FREQUENCY:

- A minimum of one test per lift per 50' of trench.

TRAFFIC CONTROL:

- Applicant and/or Contractor is responsible for all traffic control and shall notify Emergency Services and OCRC when open cut will occur.
- Detour routes must be approved by the OCRC in advance.

SEASONAL LIMITATIONS:

- Open cut construction will not be allowed from November 1 through May 1, except for critical utility work and must be approved by the Road Commission.
- Backfill and patches of open cuts made after November 1 or before May 1 will be considered temporary and shall be reconstructed to meet requirements during the next regular construction season.