

HIGHWAYS

81 Attachment 2

Town of Naples

Appendix B Specifications for Improvements and Modifications

The majority of the designated road modifications and improvements will be accomplished using conventional earth excavating equipment employing traditional cut and fill procedures. Rock excavation techniques may be warranted in certain locations to achieve the required grades. All materials used in the modifications and improvements of the Town roads shall meet the applicable NYSDOT specifications. Road widening within the Town road limits shall be accomplished as follows:

All improvements, modifications and repairs made within the limits of the roadway shall be at a minimum depth of 12 inches.

After the removal of soft, wet or otherwise unsuitable materials from within the roadway or shoulder areas, the exposed subgrade of the area shall be proof rolled with approved construction equipment such as a loaded ten-wheel tandem dump truck or compactor. This measure will help increase the density of the existing ground and help locate any isolated soft spots, which would be too unstable to accommodate compacted fill.

Unstable areas shall be excavated, scarified, aerated and/or recompacted prior to fill placement or removed and replaced with approved compacted fill. Alternatively, the use of an approved geogrid may be incorporated to stabilize or bridge soft areas on an as-needed basis.

New fill will not be placed on surfaces that are muddy or frozen or have not been approved by testing and or proof rolling.

All sloping areas upon which fill is to be placed shall be benched or “notched” so that a smooth interface between existing ground and new fill will not be present.

For permanent improvements or modifications, outside the roadway surface, controlled fill slopes shall be constructed at 3H:1V slopes or flatter. All fill slopes will have final grades sloped such that surface water from precipitation is directed away from the face of the slopes. In addition, erosion matting may be used to help establish and maintain vegetative growth on the face of the slopes.

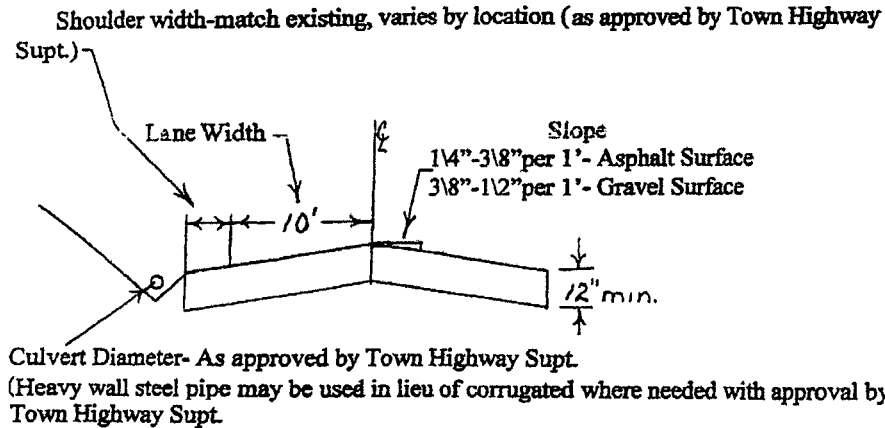
All fill areas shall be sufficiently sloped and properly sealed with a smooth drum roller at the end of each workday to help prevent softening from surface water infiltration.

Materials to be used for improving designated roads will primarily be obtained from local sources and consist of both coarse and fine aggregate. Shale shall not be used as a fill material inside the roadway limits. The typical fill section will utilize coarse aggregate such as a four-inch crusher run in the deeper portion of a fill and be capped with finer aggregate meeting the requirements of a NYSDOT-approved subbase material. The use of geogrids will be utilized as needed, to stabilize and/or bridge soft, wet or otherwise unsuitable soil conditions and must be

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approved by the Town Highway Superintendent if being placed within the roadway limits; such approval will not be unreasonably withheld. If the improvements extend beyond the Town's right-of-way, it is developer's responsibility to obtain the appropriate landowner's consent.

The following is a typical cross section for the construction of the road improvements and modifications to the Town roads:



All driveway and access road entrances shall maintain the roadway slope for a distance of six feet or to the back slope of the roadside ditch, whichever is the greater distance from the center line of the road.