



**TOWN OF DEWEY-
HUMBOLDT DEPARTMENTAL
REGULATION**

Department: Public Works

**Subject: *Minimum design and
construction standards for Evacuation
Route within Dewey-Humboldt.***

1. **Scope.** This procedure applies **minimum** standards for the design and construction of Evacuation Route within public and private rights of way and easements in The Town of Dewey-Humboldt, Arizona.

2. **Purpose.** To establish criteria for safe, adequate access to planned Evacuation Routes within the Town of Dewey-Humboldt. (These are gated and to be used for emergency only.)

3. **Right-of-Way Requirements.**

3.1. Minimum Right-of-Way Widths for Evacuation Routes roads.

3.1.1. Evacuation Route - 25' minimum.

4. **Road Width Requirements.**

4.1.1. Minimum Evacuation route drivable surface widths:

Evacuation Route - 16' wide

5. **Design Standards.**

5.1. Design speeds may be decreased for Evacuation Route as approved by the Town Public Works Director or Town Engineer.

5.2. Vertical Alignment:

5.2.1. Street grades of twelve (12) percent shall have a maximum length of six hundred (600) feet. (Wherever possible)

5.2.2. Shoulders minimum 2' each side of drivable surface.

5.2.3. Roadside drainage channels shall be in accordance with the drainage analysis and the drainage plan as approved by the Yavapai County Flood Control and the Town.

5.2.4. All Evacuation routes shall have a maintainable surface.

5.2.5. Inverted crown Evacuation Routes will not be acceptable without approval of a variance.

5.2.6. All road improvements shall conform to Maricopa Association of Governments (M.A.G.) construction standards as approved by the Town.

5.3. Design Criteria for Road Drainage.

5.3.1. All-natural drainages crossing the Evacuation Route will be culverted unless approved otherwise by Yavapai County Flood Control and/or Town. Inlet and outlet erosion protection shall be implemented to prevent sediment transport.

5.3.2. Whenever possible, storm water shall be conveyed separately from the Evacuation Route system and defined drainage ways shall follow existing alignment.

5.3.3. Minimum cover of fill over culverts must be provided to maintain the structural integrity of the pipe under anticipated loading conditions. Culvert manufacturers provide minimum cover requirements for prefabricated pipe. The minimum size culvert allowed across an Evacuation Route will be 18" in diameter or arch/squash equivalent. Inlet and outlet erosion protection shall be implemented to prevent sediment transport.

5.4. Drainage Reports shall be in accordance with Yavapai County Drainage Criteria Manual and will be subject to review for conformance with regulatory flood control requirements.

6. Construction Standards for Evacuation Route.

6.1. All construction shall be in accordance with the approved improvement plans, and any changes in construction from the approved plans shall be preapproved by the Town.

6.2. Any errors or omissions discovered at the time of construction shall be corrected by the responsible party at no cost to The Town.

6.3. Construction Inspection and Submittals.

6.3.1. Inspection by Town representative will be done on the following stages:

6.3.1.1. Subgrade Completion - all utilities, culverts, ditches, shaping to finished subgrade, etc. complete in place.

6.3.1.2. Final with finish material complete in Place.

6.3.2. The Town will inspect on a total-stage completion basis and not on a partial-stage completion basis.

6.3.3. It shall not be assumed that inspection by the Town Engineer's office will in any way eliminate the need for regular inspection during the construction period

6.3.3.1. The engineering firm and/or inspecting firm shall document, verify and report to the Town Engineer's office all pertinent information relative to quality control for all improvements being installed, and in accordance with the quality control and testing section of this document.

6.3.3.2. All laboratory reports deemed necessary for quality control and testing and as specified in the documents, along with compaction test results, will be submitted to the Town Engineer's office by the inspecting firm as backup data for the bi-monthly progress report.

6.3.3.3. The responsibility for the construction of all projects shall lie with the contractor/developer.

6.3.3.4. The costs for the above required quality control shall be borne by the developer and/or contractor.

6.3.3.5. Any questions as to construction standards, interpretation of results, or methods of construction, shall be brought to the Town Public Works Director's attention for interpretation.

6.4. Testing and Sampling. All testing and sampling will be performed by a qualified and approved laboratory and/or engineering firm, in accordance with the applicable provisions of ASTM, with the results submitted to the Town Engineer's office.

7. Utilities.

7.1. All utilities required in Evacuation Route rights-of-way will be designed in accordance with the standards specified by the respective utility company and approved by the proper regulatory agency with placement location reviewed and approved by the Town.

7.2. Utility depth, separation, and requirements shall conform to applicable standards (e.g., Arizona Administrative Code, Arizona Department of Environmental Quality, private utility companies).

7.3. All above ground devices shall be outside of the Evacuation Route template and located as near to the right of way as feasible.

7.4. As-built utility plans sealed by a Professional Engineer registered in the State of Arizona will be submitted to the proper utility company as required by the respective utilities and the Town.

8. Variances. Procedure for variance from these specifications shall be as follows:

8.1. Variance requests shall follow the Town's normal variance procedure.

9. Town Acceptance.

9.1. Action by the Town Council.

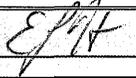
10. Material Specifications.

10.1. Subgrade. The subgrade of the Evacuation Route shall be thoroughly compacted to at least 95% of maximum density, based on standard proctor, by wetting and rolling. The compacted depth shall not be less than 6".

10.1.1. The materials for the subgrade of an Evacuation Route shall meet M.A.G. Standard Specification 702.

Base material shall be placed in uniform layers not to exceed 6" in depth. Each layer shall be bladed to a smooth surface conforming to the cross section shown on the plans and shall be watered and thoroughly rolled in a manner satisfactory to obtain a minimum compaction of 95% of maximum density, based on a standard proctor. Testing shall be in accordance with the quality control and testing section of this document.

11. Guarantee. All work shall be guaranteed for a period of two years beginning at the time of final acceptance by the Town Council.

TOWN MANAGER APPROVAL	Initial: 
Notes: <u>Approved by the Town Council on December 17, 2019.</u>	