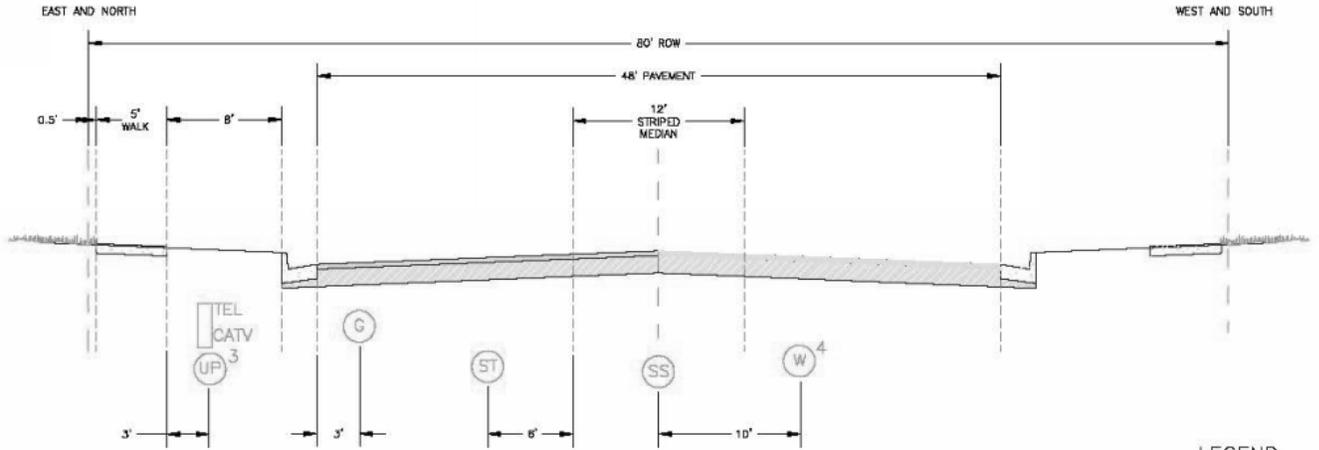


DEVIATION REQUEST (Attach diagrams, figures, and other documentation to clarify request)

A deviation from the standards of or Chapter 4, Section 4.3.5.E.2, **Utility Design: Utility Location of Underground Utilities (Longitudinal Placement)** & **Appendix F, Standard Drawings, SD-4-3** - of the Engineering Criteria Manual (ECM) is requested.

Identify the specific ECM standard which a deviation is requested:

A deviation is requested from the above standard, which requires storm sewer to be longitudinally placed 6' from the striped median edge (not under the curb and gutter), according to the standard drawing (SD 4-3) below under a non-residential collector roadway (Proposed Meadowbrook Parkway).



LEGEND

- UNDERGROUND POWER
- TELEPHONE CABLE TELEVISION
- STORM SEWER
- GAS
- WATER
- SANITARY SEWER

NOTES:

1. MINIMUM COVER AND SEPARATION FOR FIBEROPTICS, STORM, SANITARY SEWER, WATER, GAS, POWER AND NON-FIBEROPTICS TELEPHONE AND CABLE TELEVISION SHALL BE IN COMPLIANCE WITH FEDERAL AND STATE REGULATIONS.
2. SEE PLANS FOR UTILITY COVER REQUIREMENTS.
3. MAY BE PLACED EITHER SIDE OF CENTERLINE IN RESIDENTIAL PLATS. POWER, TELEPHONE, AND CABLE TV MAY SHARE THE SAME TRENCH.
4. TYPICAL HORIZONTAL SEPARATION SHALL BE AT 5 FT. FROM OTHER UTILITIES AND MINIMUM 4 FT. FROM THE MEDIAN.

Urban NonResidential Collector Roadway Utility Placement Cross Section	
REVISION DATE: 3/15/12	FILE NAME: SD_4-3

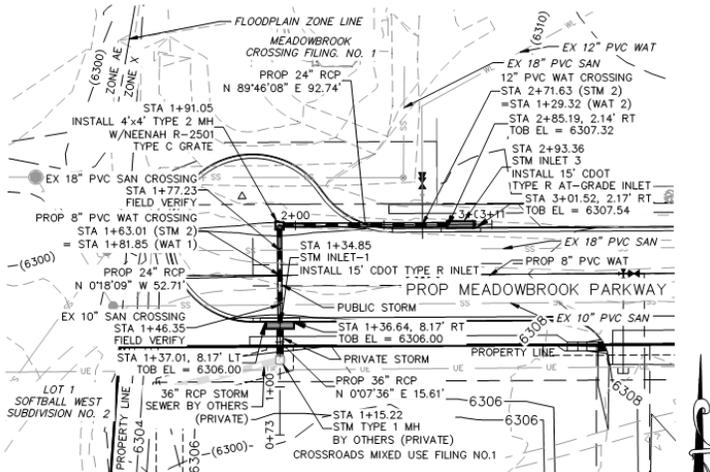
SCALE: NOT TO SCALE

State the reason for the requested deviation:

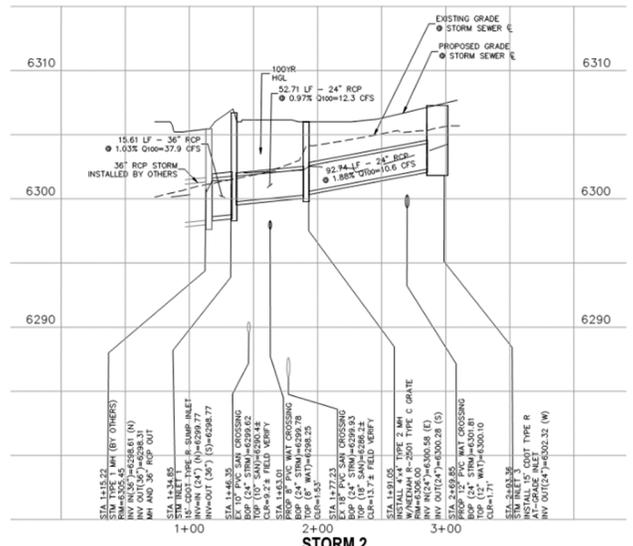
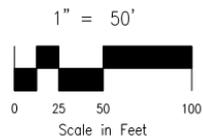
The deviation is being requested due to geographical limitations caused by adjacent existing utilities that inhibit the ability to construct the storm sewer in the standard location with adequate utility spacing.

Explain the proposed alternative and compare to the ECM standards (May provide applicable regional or national standards used as basis):

The proposed solution is to install the storm sewer in the location shown in the exhibit below. This location is under the proposed curb and gutter, as compared to the standard drawing above. The Neenah R-2501 grated inlet is used in the proposed condition to capture bypassed flows from the upstream inlet, and is in-line with the future extension of Meadowbrook Parkway to be replaced as a curb inlet.



STORM 2
STA 1+15.22 TO STA 2+93.36
(PUBLIC/PRIVATE)



STORM 2

LIMITS OF CONSIDERATION

(At least one of the conditions listed below must be met for this deviation request to be considered.)

- The ECM standard is inapplicable to the particular situation.
- Topography, right-of-way, or other geographical conditions or impediments impose an undue hardship and an equivalent alternative that can accomplish the same design objective is available and does not compromise public safety or accessibility.
- A change to a standard is required to address a specific design or construction problem, and if not modified, the standard will impose an undue hardship on the applicant with little or no material benefit to the public.

Provide justification:

Utility spacing constraints, water lowering design considerations, existing infrastructure locations, maintenance of the storm sewer, proposed dry utilities, and future use of the grated inlet as a curb inlet were all considerations in determining the most efficient longitudinal placement of this storm sewer.

CRITERIA FOR APPROVAL

Per ECM section 5.8.7 the request for a deviation may be considered if the request is **not based exclusively on financial considerations**. The deviation must not be detrimental to public safety or surrounding property. The applicant must include supporting information demonstrating compliance with **all of the following criteria**:

The deviation will achieve the intended result with a comparable or superior design and quality of improvement.

The proposed solution will achieve the intended result of the standards with respect to:

- Underground utilities standards
- Lateral placement
- Storm sewer design
- Street capacity and stormwater conveyance
- Minimizing disturbance of adjacent infrastructure (fence, irrigation system, etc.)
- Future use of the extended roadway

The deviation will not adversely affect safety or operations.

The deviation will not adversely affect safety or roadway operations since it is located out of the travel path of vehicles and pedestrians and is necessary to maintain adequate street capacity, protecting those traveling in the street and downstream infrastructure.

The deviation will not adversely affect maintenance and its associated cost.

Deviation will not affect maintenance and its associated cost as this location is practical considering the justifications and effects on safety & roadway operations above. Future use of the grated inlet will assist in lowering maintenance and associated costs downstream, when Meadowbrook is extended.

The deviation will not adversely affect aesthetic appearance.

Deviation will not affect aesthetic appearance as the utility is underground. Future use of the grated inlet will assist in improving downstream aesthetics and functions when Meadowbrook is extended.

The deviation meets the design intent and purpose of the ECM standards.

The deviation meets the intent and purpose of the ECM Standards of Chapter 4 and those pertaining to storm sewer design.

The deviation meets the control measure requirements of Part I.E.3 and Part I.E.4 of the County's MS4 permit, as applicable.
The requested deviation meets control measure requirements of Part I.E.3 and Part I.E.4 of the MS4 Permit.

REVIEW AND RECOMMENDATION:

Approved by the ECM Administrator

This request has been determined to have met the criteria for approval. A deviation from **Chapter 2, and Appendix F, SD 4-4** of the ECM is hereby granted based on the justification provided.

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Denied by the ECM Administrator

This request has been determined not to have met criteria for approval. A deviation from **Chapter 2, and Appendix F, SD 4-4** of the ECM is hereby denied.

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ECM ADMINISTRATOR COMMENTS/CONDITIONS:

1.1. PURPOSE

The purpose of this resource is to provide a form for documenting the findings and decision by the ECM Administrator concerning a deviation request. The form is used to document the review and decision concerning a requested deviation. The request and decision concerning each deviation from a specific section of the ECM shall be recorded on a separate form.

1.2. BACKGROUND

A deviation is a critical aspect of the review process and needs to be documented to ensure that the deviations granted are applied to a specific development application in conformance with the criteria for approval and that the action is documented as such requests can point to potential needed revisions to the ECM.

1.3. APPLICABLE STATUTES AND REGULATIONS

Section 5.8 of the ECM establishes a mechanism whereby an engineering design standard can be modified when if strictly adhered to, would cause unnecessary hardship or unsafe design because of topographical or other conditions particular to the site, and that a departure may be made without destroying the intent of such provision.

1.4. APPLICABILITY

All provisions of the ECM are subject to deviation by the ECM Administrator provided that one of the following conditions is met:

- The ECM standard is inapplicable to a particular situation.
- Topography, right-of-way, or other geographical conditions or impediments impose an undue hardship on the applicant, and an equivalent alternative that can accomplish the same design objective is available and does not compromise public safety or accessibility.
- A change to a standard is required to address a specific design or construction problem, and if not modified, the standard will impose an undue hardship on the applicant with little or no material benefit to the public.

1.5. TECHNICAL GUIDANCE

The review shall ensure all criteria for approval are adequately considered and that justification for the deviation is properly documented.

1.6. LIMITS OF APPROVAL

Whether a request for deviation is approved as proposed or with conditions, the approval is for project-specific use and shall not constitute a precedent or general deviation from these Standards.

1.7. REVIEW FEES

A Deviation Review Fee shall be paid in full at the time of submission of a request for deviation. The fee for Deviation Review shall be as determined by resolution of the BoCC.