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**DEVIATION REVIEW
 AND DECISION FORM**

Procedure # R-FM-051-07
 Issue Date: 12/31/07
 Revision Issued: 00/00/00

DSD FILE NO.:

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General Property Information:

Address of Subject Property (Street Number/Name):
 Tax Schedule ID(s) #: 5233-10-10003
 Legal Description of Property: Homestead at SR Filing No. 2

Provide updated form.

Subdivision or Project Name: Homestead at SR Filing No. 2

Section of ECM from Which Deviation is Sought: ECM 3.3.1.J.8
 Specific Criteria from Which a Deviation is Sought: Maximum Storm Sewer velocity shall be 18 fps.
 Summary

Proposed Nature and Extent of Deviation: The following section of storm sewer exceeds 18 fps. Storm 3 - btw Sta 1+05.38 - Sta 2+58.80.

Applicant Information:

Applicant: M&S Civil Consultants, Inc. Email Address: virgils@mscivil.com
 Applicant is: Owner Consultant Contractor
 Mailing Address: PO Box 1360 State: CO Postal Code: 80901
 Telephone Number: 719-491-0818 Fax Number:

Engineer Information:

Engineer: Virgil A. Sanchez, P.E. Email Address: virgils@mscivil.com
 Company Name: M&S Civil Consultants, Inc.
 Mailing Address: PO Box 1360 State: CO Postal Code: 80901
 Registration Number: 37160 State of Registration: CO
 Telephone Number: 719-491-0818 Fax Number:

Explanation of Request (Attached diagrams, figures and other documentation to clarify request):

Section of ECM from Which Deviation is Sought: ECM 3.3.1.J.8
 Specific Criteria from Which a Deviation is Sought: Maximum Storm Sewer velocity shall be 18 fps.

Proposed Nature and Extent of Deviation: The following section of storm sewer exceeds 18 fps. Storm 3 - btw Sta 1+05.38 - Sta 2+58.80.

Reason for the Requested Deviation: Due to hydraulic storm sewer design and outfall into Sand Creek, in avoidance of excessively deep storm sewer construction and maintenance.

Comparison of Proposed Deviation to ECM Standard: Only the section of pipe between Sta 1+05.58 and sta 2+58.80 promote velocities exceeding 18 fps. The entire pipe system does not promote excessive velocities. Pipe segments that have flows in excess of 18 fps will be made of 5,000 psi pipe as shown on plans.

El Paso County Procedures Manual
 Procedure # R-FM-051-07
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Reword this
 (doesn't make
 sense)

Application Consideration:

CHECK IF APPLICATION MEETS CRITERIA FOR CONSIDERATION

JUSTIFICATION

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.

___ Common design practice for outfalling into creeks or drainage ways. The approval of the deviation does not relate to cost savings, aesthetics, safety, or compromise the integrity of the storm sewer pipe system. _

If at least one of the criteria listed above is not met, this application for deviation cannot be considered.

Criteria for Approval:

PLEASE EXPLAIN HOW EACH OF THE FOLLOWING CRITERIA HAVE BEEN SATISFIED BY THIS REQUEST

The request for a deviation is not based exclusively on financial considerations.

___ Does not relate to financial considerations. The pipe segments will be installed with 5,000 psi pipe _____

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

___ The 5,000 psi pipe will provide for additional assurance of the normal design life of reinforced concrete pipe. _____

The deviation will not adversely affect safety or operations.

___ Does not affect safety or revise the normal operations or maintenance of the storm sewer pipe system _____

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

___ N/A _____

The deviation will not adversely affect aesthetic appearance.

___ No negative effects to the aesthetic appearance as the temporary pond is located away from the development and the trail corridor will enhance the aesthetics of the area and the development. _____

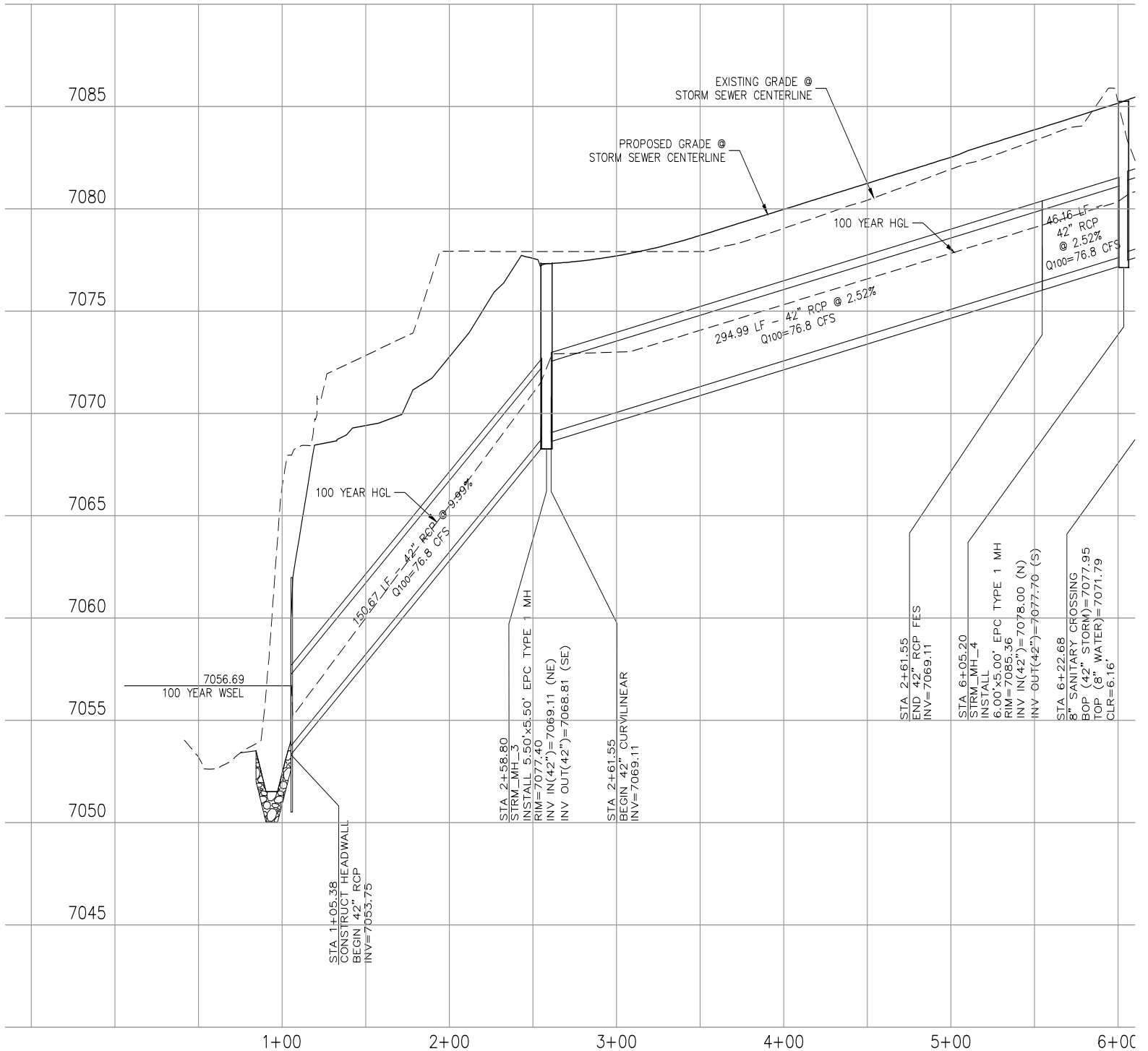
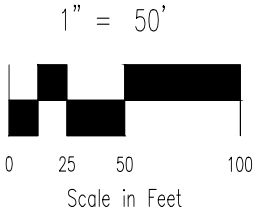
Address the outfall design. What can be done to reduce velocities at the outfall?

STORM 3 STA 1+00.00 TO STA 7+63.63



NOTES:
 STA 1+05.58 TO STA 1+29.58
 (NEXT FULL JOINT) TIE PIPE
 SEGMENTS TOGETHER W/4- $\frac{3}{4}$ "
 CANOPY TYPE ROD LUG JOINT
 FASTENERS.

REINFORCED CONCRETE PIPE INSTALLED
 BETWEEN STA 1+05.58 AND STA 2+58.80
 SHALL BE FABRICATED USING A CONCRETE
 MIX DESIGN THAT RESULTS IN A MIN. 5000 PSI
 COMPRESSIVE STRENGTH.



STORM 3 STA 1+00.00 TO STA 7+63.63

**DEVIATION REQUEST EXHIBIT HOMESTEAD AT SR FILING NO.2
 ECM 3.3.1.J.8 EXCEEDING MAXIMUM VELOCITY 18 FPS**