

Major Revisions in January 2020 Edition of the HRSD
Design and Construction Standards

Section	Title	Revision Summary
		General Comment - HRSD has shifted some of the responsibilities, including risk assessment and claims, previously under the Community Relations Liaison between Public Information Specialist in the Communications Department and the Real Estate Manager position within the Engineering Department. A careful review of all sections including Master Specifications that previously referenced responsibilities of and coordination with the Community Relations Liaison is warranted.
Table of Contents		The 2020 version of these Standards includes significant organizational changes with respect to renumbering and placement of sections as compared to previous publications. Please take an opportunity to review and become familiar with the Table of Contents to help you map out the new order of sections.
1	Introduction	Previous Paragraph E.1.b. regarding AACE Estimate Classifications has been moved to Section 5 "Capital Project Cost, Schedule and Risk Reporting".
5	Capital Project Cost, Schedule and Risk Reporting	The information regarding use of AACE cost estimate classifications was moved from Section 1 and now resides in Paragraph A Introduction in this section along with a template Project History and AACE Classification report as Exhibit B.
6	Drawings, Record Drawings, and Valve Guides	References have been included throughout this section to a new Section 7 "HRSD Building Information Model (BIM) Requirements".
7	HRSD Building Information Model (BIM) Requirements	This is a new section to the 2020 publication of these Standards.
10	Flood Elevation Requirements	This section has been revised significantly from the 2019 version and warrants a careful review.
12	Preconstruction Assessments and Damage Mitigation Procedures	This section has been reformatted and revised from the 2019 version and warrants a careful review.
13	Coordination with Virginia Department of Environmental	This section has been revised to remove references to sales tax exemption for sanitary sewer projects.

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	Quality (DEQ) for Certificate to Construct and Certificate to Operate	
20	Condition Assessment Protocol for Repaired or Abandoned Pipelines	This section was revised significantly from the 2019 edition and warrants a careful review.
21	Regulatory Reporting and Requirements for Spills	Revisions made to Paragraph C for work days and phone numbers.
24	Pipelines and Appurtenances	Revisions made to the following: Paragraph C.1.n.iv. added regarding proprietary restraint systems. Paragraph F.4 revised to clarify use of corrosion proof materials.
27	Trenchless Crossing Installations	This section has been revised to separate trenchless crossings from rehabilitation methods and materials. A new Section 29 “Rehabilitation of Sanitary Sewer Systems” has been introduced in the 2020 edition of these standards. A careful review of Section 27 is warranted due to extensive revisions.
29	Rehabilitation of Sanitary Sewer Systems	This section is new to the 2020 edition of these standards.
30	Pump Stations	The following new attachments are incorporated into this section: Attachment A – Pump Station Substantial Completion Checklist Attachment B – Temporary Portable Pump Alarms and Setup Standards
31	Treatment Plants	This section has been revised for formatting and content from the 2019 version and warrants a careful review.
32	Electrical and Instrumentation	The following new exhibits are incorporated into this section: Exhibit H – SCADA / MMP Site Exhibit I – Future SWIFT Design

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36	Standard Details	<p>The following details have been added or revised from the 2019 version:</p> <p>Series 200: Collection Systems and Appurtenances</p> <ul style="list-style-type: none"> • 231 – Deactivation at HRSD Gravity Main • 232 – Alternate Service Lateral Connection to Existing Gravity Sewer Main • 233 – Permanent Sewer Lateral Deactivation at HRSD Manhole • 277 – Lateral Connection to Existing Vacuum Valve Pit • 278 – Vacuum System Division Valve <p>Series 300: Interceptors and Appurtenances</p> <ul style="list-style-type: none"> • 309 – New Grinder Pit Connection to Existing HRSD Force Main • 328 - Valve Box and Riser for Mainline Valve <p>Series 600: Cathodic Protection for Buildings</p> <ul style="list-style-type: none"> • 646 A/B – Typical Spall Repair with Exposed Reinforcing Steel • 651 – Typical Sealant Details
38	Front End Documents	This section and the accompanying EJCDC front-end documents have been updated for the 2018 edition of the Design-Bid-Build EJCDC documents.
39	Construction Administration Forms / Formats	This section has been updated for the 2018 edition of the Design-Bid-Build EJCDC documents. A new form, “Notice of Acceptability”, has been incorporated.
40	Master Specification Sections Overview	<p>The following Master Specifications have been revised from the 2019 publication:</p> <p>01520 – Maintenance of Pipeline and Pumping Operations</p> <ul style="list-style-type: none"> • Part 3 Execution includes requirements related to Temporary Portable Pump Alarms and Setup <p>02774 – Condition Assessment Data Collection for Pipelines</p> <ul style="list-style-type: none"> • Revisions incorporated in Paragraphs 3.2.B.2; 3.2.B.3; and 3.3
41	VDEQ Virginia Clean Water Revolving Loan Fund (VCWRLF)	This is a new section to the 2020 publication of the Standards and details the process for HRSD and our consultants to follow for VCWRLF projects.