

## General Information

Chapter titles and the order of chapters did not change for the 2021 DCSM. Significant changes were made to chapters 2, 4, 7, and 8. Changes to the text from the 2020 to the 2021 version (additions, replacements, removals, etc.) are listed in the summary of changes by 2021 DCSM section numbers. New appendices are listed at the end.

Most of the section numbers did not change from the 2020 to the 2021 version. For sections or numbered items that changed, the 2020 section numbering is included in parentheses. Changes made to the 2021 DCSM Revision 1 release are incorporated in the summary.

Examples of references to the 2020 sections or item numbers:

- 1.3.8.3 (2020, 1.3.7.3): Section 1.3.7.3 in the 2020 DCSM was renumbered as 1.3.8.3 for the 2021 DCSM.
- 2.6.5.12, #6.d (2020, 7.8.2, #2): Text from point 2 in section 7.8.2 of the 2020 DCSM was moved to become point 6.d in section 2.6.5.12 for the 2021 DCSM.
- 7.7.2, #6 (2020, 7.7.5, #4 and #5): Text from points 4 and 5 in section 7.7.5 of the 2020 DCSM were combined into point 6 of section 7.7.2 for the 2021 DCSM.

## Summary of Changes from the May 2020 Version to the 2021 Version Rev. 1

### OVERALL DOCUMENT

- Updated AVP & CFO to VPCPIF.
- Updated Facilities Department to Campus Planning, Infrastructure, and Facilities or CPIF.
- Updated the version of the Virginia Construction Code to 2018.
- Added a Table of Tables and a Table of Figures after the Table of Contents.
- Added references to the new design phase submittal checklists for narratives and drawings in locations where the 2020 text referred to sections and lists in chapter 2.
- Changed custodial to housekeeping for clarity.

### CHAPTER 1 – GENERAL REQUIREMENTS

- 1.1.1: Added CPIF and VPCPIF to the acronyms. Removed AVP & CFO.
- 1.1.2: Added Accessible, Accessibility, and Universal to the terms.
- 1.2.3: Added a reference to the drawing checklists for the design phases.
- 1.2.5: Added a reference to the new Vegetative Roofs section in 5.5.9.
- 1.2.5.2: Added a paragraph about the Virginia Tech Comprehensive Waste Management Plan.

- 1.2.5.2, #1.a: Removed the requirement for the size of the concrete slab.
- 1.3.1, #2: Changed from approval to review. Added a statement about the review by the Virginia Art and Architecture Review Board (AARB) being a part of the review by the Governor.
- 1.3.2: Changed the document submittal time to approximately two months.
- 1.3.3: Changed the role of the Virginia Department of Historic Resources (DHR) from providing approval to providing input to the Governor regarding planned demolitions.
- 1.3.5: Expanded the design waiver requirements and created subsections.
  - 1.3.5.1: Added the requirement for the A/E to initiate the request for the design waiver with the VT PM, to provide supporting documents to the VT PM, and to submit the request as soon as possible during the design process. Added a requirement for the VT PM to obtain approvals for the design waiver from departments affected by the change.
  - 1.3.5.2: Added the requirement for initiating a design waiver record electronically and the requirement for creating a combined PDF of the waiver request and supporting documents for routing. Added a reference to the new Design Waiver Approval Routing Flowchart.
  - 1.3.5.3: Emphasized need for timely submission of design waivers during each phase and for submission of all approved waiver requests with permit requests.
- 1.3.6: Added a section on environmental permits. The level three headers after this section in 1.3 incremented to higher numbers.
- 1.3.7 (2020, 1.3.6): Replaced the one-acre project size requirement in the second paragraph to requiring a permit when applicable.
- 1.3.8.1 (2020, 1.3.7.1): Added a reference to the working drawing checklists.
- 1.3.8.2, #1 (2020, 1.3.7.2, #1 and #2): Added the requirement to include a copy of the demolition submission provided to the Governor. Added the requirement for the AARB hearing date of the demolition submission to be a minimum of 30 days prior to the application for the demolition permit. Removed the AARB demolition approval. All points following this incremented lower in number.
- 1.3.8.2, #4 (2020, 1.3.7.2): Added the requirement to submit a site plan or an aerial image with the submission of the HECO-17.1. This requirement was added in the VA 2020 CPSM Rev-0.
- 1.3.8.3 (2020, 1.3.7.3): Expanded the requirements to include Accessibility, the Virginia Industrialized Building Safety Regulations, and the Virginia Manufactured Home Safety Regulations. Added a requirement to provide the location and aesthetics of the structure to the AARB. Added a requirement to receive a report of inspection that recommends occupancy from the regional SFMO and provide it with the HECO-13.3A.

- 1.4.1: Added a statement to allow the pre-design conference to be the initial meeting in the LEED certification process.
- 1.4.2: Added two paragraphs to address VT PM responsibilities for value engineering and the relationship of value engineering to Design-Build and Construction Manager at Risk delivery methods. Removed the percentage of completion (40%) associated with the preliminary design.
- 1.4.2.3, #1: Changed 35% to preliminary design.
- 1.4.2.4, #5: Changed 35% to preliminary design.
- 1.4.2.6, #3: Changed 35% to preliminary design.
- 1.5.1: Removed the hard copy requirements for the UBO and SID. Added a requirement for full-size documents for the construction site. Updated the requirements for OUP and Engineering Operations.
- 1.5.4.1: Removed CO-6D, CO-6E, and CO-6F from the list. Changed CO-6A to HECO-6A and CO-6B to HECO-6B.
- 1.7.1: Added a reference to DCSM section 5.5.4 for Hokie Stone procedures.
- 1.7.2.3.2: Added clarifications for ADA requirements for vertical grab bars to the text and table. These clarifications were added in the VA 2020 CPSM Rev-0.
- 1.7.2.4.1: Removed UBO from the section header.
- 1.7.3.5.1, #4: Added the option to use privacy indicators on locks.
- 1.7.3.5.2, #6: Added a reference to handwashing requirements in section 5.13.
- 1.7.3.5.3: Added a new section with requirements for baby changing facilities. This is in response to the requirements added to the VA 2020 CPSM Rev-0.
- 1.7.3.6: Added all gender facilities to the fixture count.
- 1.7.5: Changed to require approval from the Board of Visitors and the Governor for building demolition. Added a time limit for the Governor to disapprove of a new design prior to proceeding with the planned demolition. Removed the DHR recommendation.
- 1.9: Added requirements to provide to DEB if a project cannot be closed out within 12 months. This requirement was added in the VA 2020 CPSM Rev-0.
- 1.9.3.1: Removed CNRs from examples of project forms.
- 1.9.6: Added a section on land disturbance permit/construction general permit termination. The level three header after this section incremented to 1.9.7.

**CHAPTER 2 – DOCUMENT AND DRAWING REQUIREMENTS**

This chapter received significant rework. Lists of requirements for submittals, narratives, and drawings have been redesigned as checklists. A small portion of text that was not appropriate for the checklists was relocated to other sections of the DCSM.

The Cost Estimate Standards section in 2.2 was reorganized into subsections of general cost estimate requirements, cost estimate format, systems format, estimate backup, construction delivery method requirements, and estimator qualifications and ethics. Cost estimate requirements for specific design phases were moved from the Cost Estimates Requirements and Format section (2020, 2.2.4) into separate design phase sections within chapter 2. DEB requirements were removed. Cost estimate requirements were clarified based on the delivery method and the design phase.

- 2.6.5.12: Created a General Notes for Contractor Parking section from text in the Transportation & Parking Project Review Checklist (formerly Appendix H; see Appendices section) and from the Contractor Parking section (2020, 7.8.2).
- 2.6.5.12, #6.d (2020, 7.8.2, #2): Removed reference to both company and privately owned vehicles for purchasing permits when parking in the designated contractor lot.
- 2.6.5.12, #8 (2020, 7.8.2, #4): Changed notification for deliveries outside of the staging area from VTPD to Virginia Tech Parking Services and the Transportation Engineer in OUP.
- 2.7 (2020, 2.4): The Computer-Aided Design (CAD) Standards section was relocated in the chapter.

**CHAPTER 3 – SAFETY AND SECURITY**

- 3.7.2, #5.c: Expanded the requirement to include security cameras in all elevator cabs.
- 3.8.2.4: Relocated the conduit pathway installation figure to the Detail Library.
- 3.10: Moved the text about the information to provide and the applicability of requirements from the Fire Protection Information Plan (2020, 3.10.1.1) to this section level.
- 3.10.1: Moved the Fire Safety Systems header (2020, 3.10.1.2) to 3.10.1 and added the requirement for the Fire Systems checklists in each design phase submittal. Removed the Fire Protection Information Plan header (2020, 3.10.1.1).
- 3.10.2 (2020, 3.10.1.3): Moved this section up one level. This shifted the subsection, A/E Shop Drawing Final Approval, to 3.10.2.1 (2020, 3.10.1.3.1). The level three sections (and their subsections) after this section in 3.10 incremented to higher numbers.
- 3.10.7.1 (2020, 3.10.6.1): Added the requirement for full integration of new fire alarm systems with the campus fire alarm network.
- 3.10.7.3 (2020, 3.10.6.3), #2.b: Replaced Blacksburg Volunteer Fire Department and BVFD with local fire department.

- 3.10.7.3 (2020, 3.10.6.3), #3.a: Changed the text for locations of pull stations to match the text from the Fire Alarm Design Standards document provided by EHS.
- 3.10.7.4 (2020, 3.10.6.4), #2: Changed the text for Class 1 building specifications to match the text from the Fire Alarm Design Standards document provided by EHS. Changed the panel model requirement and specified requirements for sprinklered and non-sprinklered buildings.

### CHAPTER 4 – SITE DEVELOPMENT

- 4.1, #5: Added text to clarify bioretention planting outside the treatment area.
- 4.1.1, #2: Updated the reference to the plant and tree lists to Appendix I (see Appendices section).
- 4.1.3: Created subsections for preservation priorities and construction site activities. Added instruction to contact the University Arborist for tree risk assessment and tree inspection procedures.
  - 4.1.3.1: Added the prohibition for any construction, renovation, and development within tree protection zones. Reduced the tree diameter for identification of trees. Changed text from protecting to preservation for subsections.
    - 4.1.3.1.1, #1 (2020, 4.1.3, #1.b): Reduced the tree size for small trees. Removed text about the building footprint.
    - 4.1.3.1.1, #2 (2020, 4.1.3, #1.a): Removed text about the building footprint. Added text for University Arborist to make value determination for larger trees.
    - 4.1.3.1.2, #1 (2020, 4.1.3, #1.c): Changed tree sizes and added text for University Arborist to make value determination for larger trees.
    - 4.1.3.1.2, #2: Added the requirement to preserve trees planted as memorials, commencement trees, or commemorative trees.
  - 4.1.3.2, #1 (2020, 4.1.3, #2.a): Increased the minimum clearance from base of trees. Changed edge of canopy drip line to critical root zone as determined by the University Arborist.
- 4.3: Changed the section name. Many revisions were made in the subsections. Removed the Goals and Targets subsection (2020, 4.3.5) and all subsections within that. Removed the Tree Damage Assessment, Enforcement, and Penalties subsection (2020, 4.3.6).
  - 4.3.1: Added text to clarify that the DCSM text is the reference for planting or implementing activities that may impact tree assets. Added the requirement for all tree planting and care to conform to ANSI standards and ANSI safety standards.
  - 4.3.1, #1: Expanded the objective to have tree installation compliant with industry standards.

- 4.3.1, #3: Expanded the objective to conserve trees. Expanded the objective to protect and conserve trees during project development.
- 4.3.1, #4: Added ANSI standards to practices and changed trees to urban forest.
- 4.3.1, #5: Added development displacement to the list.
- 4.3.2: Changed the responsible department to the University Arborist office.
- 4.3.3: Changed the section header and identified the Arboretum Committee as the Campus Tree Advisory Committee for Tree Campus USA accreditation purposes.
- 4.3.4: Moved the Campus Arboriculture Practices section to 4.3.7. Expanded planting and tree diversity (2020, 4.3.4.4.2) in this section. Added diversity thresholds and percentages and a limitation for small, mostly ornamental tree species. Added requirements for planting stock.
- 4.3.5: Added a Planting Specifications section with subsections on planting seasons, installation, staking and tree wrap, pruning, watering, and mulching.
- 4.3.6: Added an Installation Maintenance section with subsections on watering, other maintenance activities, guarantee period, tree replacement, and vandalism.
- 4.3.7 (2020, 4.3.4): Relocated and revised the Campus Arboriculture Practices section and subsections.
  - 4.3.7.1 (2020, 4.3.4.1): Revised the section to include tree condition as a factor in pruning and to base pruning frequency on the tree's classification in the Virginia Tech Tree Inventory.
  - 4.3.7.2.2 (2020, 4.3.4.2.2), #3: Added an option to leave some dead wood in low occupancy areas for the benefit of wildlife and for education and outreach.
  - 4.3.7.2.5 (2020, 4.3.4.2.5), #1: Added the option to reduce the size of a tree's crown with reduction pruning.
  - 4.3.7.2.6: Added a section to prohibit damaging crown- or branch-reduction pruning.
  - 4.3.7.3.1 (2020, 4.3.4.3.1): Removed irrigation from the section header. Clarified tree size.
  - 4.3.7.4 (2020, 4.3.4.4.1): Moved the section from level five to level four. Expanded the reasons for tree removal.
  - 4.3.7.5 (2020, 4.3.4.4.3): Moved the section from level five to level four.
- 4.5.1.3: Added the requirement to get approvals from OUP, the UBO, and the Office for Equity and Accessibility if stadium seating in the campus landscape is in the design.
- 4.5.2.2 (2020, 4.5.5): Relocated to be a Paving and Curbs (4.5.2) subsection. The level four sections after this section in 4.5.2 incremented to higher numbers.
- 4.5.2.4 (2020, 4.5.2.3): Reworded to allow for additional curbing options within VDOT standards. Added the CG-3 curbing standard as an example.

- 4.5.3: Updated the bollard model number to MCSP-SS2-U.
- 4.5.5 (2020, 4.5.6): This section and the level three sections following it decreased in section number when the Unit Paving section (2020, 4.5.5) was moved to become section 4.5.2.2.
- 4.6: Clarified that the section applies for projects regulated by SID and that VSMP regulations apply for projects not regulated by SID.
- 4.6.2.1, Table 4-3: Changed the names for two types of systems to be consistent with regulations.
- 4.6.2.4: Clarified the values to be used for calculations in drainage system design.
- 4.6.2.5.2: Changed the Rational Method drainage area limitations from 200 acres to 20 acres.
- 4.7.2, #3: Added sizes larger than 3 inches for the requirements.
- 4.7.2, #4: Added more detail to the water lines description.
- 4.7.2, #8: Added a requirement to use reduced pressure zone assemblies (RPZ valves) on domestic water lines for backflow prevention.
- 4.7.3, #1: Added VDOT as the source for the VB-1 valve box detail.
- 4.7.4, #4: Added the requirement for a water meter with a bypass for all new buildings.
- 4.7.10, #1: Added the requirement for valves to be marked as rated for steam use.
- 4.7.10, #8: Added the requirement for tight seal shutoffs for steam pressure reducing valves.
- 4.7.11.3, #6.a: Reworded to follow procedures and safety measures required by the contract.
- 4.7.12, #3.g: Relocated the gauge valve figure to the Detail Library.
- 4.8: The transportation section received significant rework. New subsections were created and 2020 subsections were moved to organize the information. The definition for transportation and traffic was expanded to include all mobility. Items from the Transportation & Parking Project Review Checklist (Appendix H, 2020 version) were incorporated in this section. Changed the references to the Transportation Details to the specific name for that detail in the Detail Library.
  - 4.8.1: Organized and added to the applicable standards for transportation and traffic.
  - 4.8.2: Organized ADA requirements.
  - 4.8.3 (2020, 4.8.2): Added a requirement for approval by OUP and Parking Services Alternative Transportation for the locations of bike racks.
  - 4.8.3.1: Added the bike parking calculation method.
  - 4.8.5: Added examples of large vehicles needing access on transportation routes.

- 4.8.8 (2020, 4.8.5.2): Removed the paragraph about parking enforcement and violations. The information for enforcement and violations is in section 2.6.5.12.
- 4.8.8.2 (2020, 4.8.5.3): Added a requirement to avoid the use of wheel stops if possible.

## CHAPTER 5 – BUILDING

- 5.1: Added the requirement to use the current version of ASHRAE Standard 90.1.
- 5.4: Changed the header from Exterior Enclosure to Exterior Walls. Relocated Exterior Windows (2020, 5.4.2) to become section 5.7.6. Removed Architectural Woodwork (2020, 5.4.3); the text was duplicated in section 5.14 for Interior Stairways.
- 5.4.1 (2020, 5.4.1.1): Elevated the section to level three by eliminating the Exterior Walls header (2020, 5.4.1). All 2020 level four subheadings elevated to level three.
- 5.5.9: Added a section for vegetative roofs.
- 5.7: Rearranged the subsection order. Added in the Exterior Windows section (2020, 5.4.2) and removed the Windows section (2020, 5.7.4); the text had been repeated in the two sections.
- 5.7.1, #1: Added five-ply and a lifetime warranty and removed stain grade from the description.
- 5.7.1, #2: Added more detail to the requirements for wood interior doors.
- 5.7.1, #3: Added requirements for vision panels.
- 5.7.8, #2: Added text for typical window shades in E&G buildings.
- 5.8.2: Added an exception for using light orange peel spray finish.
- 5.10.2: Added the requirement to avoid painting over fire-rated plywood logos. Added a suggestion to use plexiglass over the logo.
- 5.12.1, #2: Added a new point in the list to require consulting with Engineering Operations on lighting controls for E&G buildings.
- 5.12.1, #6 (2020, 5.12.1, #5): Changed to provide dimming systems requirement for specific rooms instead of restricting the use to only those rooms.
- 5.13, #4: Added minimum paper towel and soap dispenser sizes for handwashing areas.
- 5.13, #5: Added minimum toilet paper dispenser size for restroom stalls.
- 5.15.4.1: Removed the wall tile text that was repeated. The wall tile text is in 5.15.2.
- 5.15.4.1, #4: Added a new point to suggest solutions for tiling on uneven existing subfloors.
- 5.16.3: Combined lists of repeating requirements and rearranged the list. Moved faucet and sink requirements to 6.6.7.8, Commercial Sinks, and added a reference to that section.
- 5.16.6.3: Removed the requirement for a handle that accommodates personal padlocks.



- 5.18.6.1, #4: Added a new point in the list about weatherproof caution labels. This text was relocated from the laboratory equipment and fume hoods list (2020, 2.7.7.10.2, #4) during the chapter 2 rework.
- 5.18.6.2: Added a paragraph describing the operation of fume hoods. This text was relocated from the laboratory equipment and fume hoods list (2020, 2.7.7.10.2, #6) during the chapter 2 rework.
- 5.18.9, #7: Added the requirement for ducted biosafety cabinets to be approved prior to initiating the design. Points following this in the list incremented to higher numbers.

## CHAPTER 6 – BUILDING SERVICES

- 6.3.3, #1: Added the note to include the energy dashboard with the building graphic.
- 6.4.2: Removed bidding from the section header.
- 6.6.4, 1.c: Added a size limitation for threaded valves.
- 6.6.5.2, #7: Added a requirement for booster pumps to be connected to emergency power.
- 6.6.7: Added a requirement for camera inspection of sub-slab sanitary waste systems for older buildings.
- 6.6.7.8, #2: Added a size requirement for sinks in housekeeping closets and housekeeping equipment closets.
- 6.6.7.8, #3: Added a requirement for separate hot and cold water utilities with no mixing valves.
- 6.6.7.8, #4 (2020, 6.6.7.8, #2): Removed the basis of design product information.
- 6.6.7.10, #1: Removed the gallons per minute specification and added a requirement for faucets to meet LEED standards.
- 6.6.7.10, #2: Added a requirement for hot water to be provided to faucets within 30 seconds of water draw or to consider adding a dedicated recirculating line for the faucet.
- 6.7.1, #3: Added the requirement to select HVAC systems based on the lowest life cycle cost. This text was relocated from a heating, ventilating, and air conditioning list (2020, 2.1.2.4, #1.b) during the chapter 2 rework.
- 6.7.7.3, #4: Added NIBCO as a potential source for a valve.
- 6.7.11: Removed requirements for anti-microbial coatings in all but the first 20 feet of supply air ductwork.
- 6.7.18, #6: Added the requirement to evaluate existing hydronic systems and provide sidebar submicron filtration if needed.
- 6.7.18, #7: Added a requirement for pot feeders for all heating hot water hydronic systems and to obtain water quality requirements from Engineering Operations.

- 6.7.41, #3: Added the requirement for humidifier sections to be the last section in the airstream of air handling units with the exception of supply fans.
- 6.7.41, #4: Added a requirement for float and thermostatic traps for steam humidifiers. Points following this in the list incremented to higher numbers.
- 6.8.1, #11: Added requirements for the type and installation of floor boxes.
- 6.8.1, #16 (2020, 6.8.1, #15.n): Removed point that prohibited floor boxes in new construction and renovations.
- 6.8.3.7, #7: Changed the distance for the requirement for the use of drive cables with VFDs from 150 feet to 125 feet.
- 6.9.2, #4: Added flexibility to time-out settings based on the closest options provided by manufacturers.
- 6.9.2, #4.a and #4.d: Changed from a specific amount of time to a range for time-out settings.

## CHAPTER 7 – CONSTRUCTION RELATED ACTIVITY

- 7.1, #2.f: Added project and permit termination to SID requirements.
- 7.6, #1.b: Replaced Blacksburg Volunteer Fire Department with local fire department.
- 7.7: This section received significant changes. The section header was changed to Traffic Impacts and Road Construction. Subsections and text were changed and reorganized. Responsibilities for the VT PM and OUP were updated. Text from the Temporary Facilities, Signage, and Controls section (2020, 7.7) was included in the drawing checklists for specific design phases. The information from the Road Work Specifications subsection (2020, 7.7.3) was reduced in the new 7.7.5 subsection of Road Construction; information that was removed is in the pavement repair detail in the Detail Library. The Temporary Barriers and Enclosures subsection (2020, 7.7.6) was removed. The Temporary Facilities subsection (2020, 7.7.7) was removed; the same information is available in section 1.3.8.3.
  - 7.7.1: Changed the section header. Moved some text for traffic disruptions to section 7.7.3.
  - 7.7.1, #1 (2020, 7.8.1): Added the text from the Access subsection (2020, 7.8.1).
  - 7.7.1, #5 (2020, 7.7, #3): Included screening in the construction activities that are prohibited from blocking sight distances.
  - 7.7.2, #6 (2020, 7.7.5, #4 and #5): Removed the construction warning and ADA parking signs. Added a requirement to follow the ADA parking sign detail in the Detail Library.
  - 7.7.3, #2 (2020, 7.7.1, #8.c): Changed the requirement for message boards maintenance during road impacts from a minimum of four weeks to the duration of the impact.
  - 7.7.5.3 #4: Added the requirement for all road construction work to be graded to drain.

- 7.8: The Temporary Parking/Staging Areas section received significant changes. Text in the Access subsection (2020, 7.8.1) was relocated to section 7.7.1, #1. The Contractor Parking subsection (2020, 7.8.2) was removed; the same text is available in section 2.6.5.12.
  - 7.8.1: Added a Contractor Parking and Traffic subsection with the instruction to follow the general notes requirements in section 2.6.5.12 and the general notes on plans.
  - 7.8.2 (2020, 7.8.3): The Staging Areas section moved up one level. Added instructions for deliveries outside of the staging area. Added a reference to the section on road closures and traffic disruptions. Added notes about travel routes between the staging area and project site.
- 7.9.2: Moved text into the Tree Protection Fencing subsection. Added subsections for material storage and critical root zones.
  - 7.9.2.1, #1: Expanded requirements for tree protection fencing.
  - 7.9.2.1, #2 (2020, 7.9.2, #2): Changed tree protection fencing distances. Added a reference to requirements for tree protection zones in the tree protection detail in the VT Design Standard Detail Library. Added an option for alternate tree protection zone designs with approval from University Arborist.
  - 7.9.2.1, #5 (2020, 7.9.2, #5): Changed permission from the University to the University Arborist.
  - 7.9.2.1, #7 (2020, 7.9.2, #7): Added the requirement for asset appraisal and direction by the University Arborist.

## CHAPTER 8 – INSPECTIONS AND OCCUPANCY

- 8.1: Changed this section to organize the responsibilities of the CFR. Incorporated the points from a Capital Construction document listing CFR responsibilities for reporting, inspections, and scheduling. Removed the Use of Facilities subsection (2020, 8.1.2) after moving the statement of A/E requirements to section 8.1.
  - 8.1.1: Added the flexibility to not require weekly reports when the CFR is not full time.
  - 8.1.2 (2020, 8.1.3): The Minimum Qualifications of the CFR subsection moved after the Use of Facilities subsection (2020, 8.1.2) was removed.
  - 8.1.3 (2020, 8.1.4): Created four subsections to categorize the responsibilities of the CFR.
    - 8.1.3.1, #3: Added the requirement to submit daily reports summarizing significant activities and occurrences to the VT PM.
    - 8.1.3.1, #5: Added a requirement to notify the Contractor of time-sensitive items that require notification to the VT PM and A/E.
    - 8.1.3.1, #7 (2020, 8.1.4, #22): Added a requirement to spot check sub-contractors about updated changes.

- 8.1.3.1, #9 (2020, 8.1.4, #9): Added the requirement to document issues in addition to notifying the VT PM.
- 8.1.3.1, #10 (2020, 8.1.4, #10 and #11): Combined two points with overlapping requirements.
- 8.1.3.2, #2 (2020, 8.1.4, #7): Added text for ensuring approvals of shop drawings and product submittals or samples prior to installation and removed the requirement to notify the A/E and VT PM.
- 8.1.3.2, #4 (2020, 8.1.4, #26): Added the requirement to notify the VT PM of recommended changes based on unit costs.
- 8.1.3.2, #6 (2020, 8.1.4, #24): Added the requirement to notify the A/E of a slippage in the critical time path.
- 8.1.3.2, #7: Added the requirement to review form CO-6B for all required inspections.
- 8.1.3.2, #8 (2020, 8.1.4, #13): Added the requirement to verify hours reported by third-party inspectors.
- 8.1.3.3, #1 (2020, 8.1.4, #1): Added a requirement to take relevant pictures.
- 8.1.3.3, #2 (2020, 8.1.4, #2): Added the requirement to inspect for compliance with contract documents.
- 8.1.3.3, #3 (2020, 8.1.4, #2): Added the requirement to report to the VT PM and make notes on the daily reports if trades are not coordinated.
- 8.1.3.3, #5: Added requirements and responsibilities related to UBO inspections of work.
- 8.1.3.4, #1.b: Added requirements to record actual start dates of activities and any updated project schedules.
- 8.1.3.4, #2: Added a requirement to ensure the project team is maintaining the change log.
- 8.1.3.4, #3.a (2020, 8.1.4, #20.a): Added permit revision documents to the list of items the CFR must keep at the jobsite. This requirement was added in the VA 2020 CPSM Rev-0.
- 8.1.4: Added an Authority of the CFR subsection. Listed approved actions for the CFR (2020, 8.1.4, #6, #8, and #25) and actions the CFR is not allowed to perform (2020, 8.1.4, #4 and #29).
- 8.2.2, Table 8-1: Removed HECO forms HECO-6D, HECO-6E, and HECO-6F.
- 8.9: Added a requirement for the VT PM to submit the New Building Information form provided by the Office of Risk Management.

## APPENDICES

- Appendix H – Maintenance of Traffic Plans

Appendix H was changed to Maintenance of Traffic Plans. The 2020 version of Appendix H, the Transportation & Parking Project Review Checklist, has been incorporated into the Site Plan drawing checklist for each design phase and into DCSM sections 2.6.5.12, 4.8, 7.7, and 7.8.

- Appendix I – Approved Plant and Tree Lists
  - Appendix I1: Approved Woody & Herbaceous Plant List
  - Appendix I2: Core Campus Approved Tree List