

**SUPPLEMENTAL SPECIFICATION
FOR
JOHNSTON, IOWA
IOWA STATEWIDE URBAN STANDARD SPECIFICATIONS
FOR PUBLIC IMPROVEMENTS
2009 EDITION**

June 15, 2009

Effective June 15, 2009 the City of Johnston hereby adopts as its official standard specification the Iowa Statewide Urban Standard Specifications for Public Improvements 2009 Edition. The 2009 edition shall be applicable for all projects approved by the City of Johnston from and after this date. The 2009 edition shall remain the adopted Standard Specification for the City of Johnston until subsequent action by the City. Issuance of a subsequent edition of the Statewide Urban Standard Specifications shall not affect the effective edition for purposes of the City of Johnston. For projects approved prior to the effective date of the 2009 edition, construction shall be in accordance with the applicable edition at the time of approval, or the edition stated in the approved construction documents. Provided, however, any project approved under a prior edition may be constructed in accordance with the 2009 edition.

This Supplemental Specification incorporates the modifications and deletions to the Iowa Statewide Urban Standard Specifications for Public Improvements as adopted by the City of Johnston as its Official Standard Specifications for Public Improvements. The modifications and deletions set forth in this Supplemental Specification shall take precedence over the provisions of the Iowa Statewide Urban Standard Specifications for Public Improvements, 2007 Edition. This Supplemental Specification supercedes all previous City of Johnston Special Provision and Supplemental Specification.

1. Division 1 - General Provisions and Covenants, Section 1010 - Definitions under Paragraph **1.03 DEFINITIONS AND TERMS**, delete "**ENGINEER**" in its entirety and insert the following:

"ENGINEER. See Jurisdictional Representative".

2. Division 1 - General Provisions and Covenants, Section 1010 - Definitions under Paragraph **1.03 DEFINITIONS AND TERMS**, delete "**JURISDICTIONAL ENGINEER**" in its entirety and insert the following:

"JURISDICTIONAL ENGINEER. See Jurisdictional Representative".

3. Division 1 - General Provisions and Covenants, Section 1010 - Definition under Paragraph **1.03 DEFINITIONS AND TERMS** following **JURISDICTIONAL ENGINEER** insert the following new definition:

"JURISDICTIONAL REPRESENTATIVE. The Jurisdictional Representative is the authorized representative of the City of Johnston."
4. Delete Division 1 - General Provisions and Covenants, Section 1020 - Proposal Requirements and Conditions in its entirety.
5. Delete Division 1 - General Provisions and Covenants, Section 1030 - Approval for Award and Award of Contract in its entirety.
6. Delete Division 1 - General Provisions and Covenants, Section 1040 - Scope of Work in its entirety.
7. Delete Division 1 - General Provisions and Covenants, Section 1050 - Control of Work in its entirety.
8. Division 1 - General Provisions and Covenants, Section 1070 - Legal Relations and Responsibility to the Public delete entire section except for "**2.06 TRAFFIC CONTROL**", "**2.07 PROTECTION OF ABOVEGROUND AND UNDERGROUND FACILITIES**", and "**2.09 LAND MONUMENTS**".
9. Delete Division 1 - General Provisions and Covenants, Section 1080 - Prosecution and Progress in its entirety.
10. Delete Division 1 - General Provisions and Covenants, Section 1090 - Measurement and Payment in its entirety.
11. Division 2 - Earthwork, Section 2010 - Earthwork, Subgrade and Subbase under **PART 3 - EXCAVATION, 3.03 EXCAVATION**, delete Paragraph "**I. Removal or Filling of Pipe Culverts, Pipes and Culverts**" in its entirety and insert the following:
 - "I. Abandoned culverts, sewers, water mains or other conduits:**
 - a. Notify Jurisdictional Engineer whenever abandoned or apparently abandoned culvert, sewer, water main or other conduit is encountered during construction.
 - b. Contractor shall be required to undertaken work to remove abandoned culvert, sewer, water main or conduit as provided herein.

- c. The provisions of this section shall be applicable to all abandoned culverts, sewers, water mains or conduits except to the extent abandonment of sanitary sewers is specified under Division 4 - Sewers and Drains, Section 4010 - Sanitary Sewers, **PART 3 - EXECUTION**, Paragraph 3.08 Sanitary Sewer Abandonment, or **DIVISION 4 - SEWERS AND DRAINS, SECTION 4020 - STORM SEWER, PART 3 - EXECUTION, PARAGRAPH 3.07 STORM SEWER ABANDONMENT.**
- d. Abandoned culverts shall be removed in their entirety.
- e. Abandoned sanitary sewers, storm sewers and drains similar to storm sewers shall be removed to the next upstream manhole or intake and to the next downstream manhole or intake.
- f. In the event there is no manhole or similar access point on an abandoned sanitary sewer, storm sewer or drain within 150 feet of either upstream, downstream or in both directions, the pipe shall be removed for a distance of 150 feet and the end of remaining pipe plugged by completely filling the end of the remaining pipe with concrete for a minimum distance of 16 inches, or one-half pipe diameter, whichever is greater.
- g. Abandoned water main or pipes similar to water mains shall be removed to the next upstream valve and to the next downstream valve.
- h. In the event there is no valve or similar access point on an abandoned water main within 150 feet either upstream, downstream or in both directions, the pipe shall be removed for a minimum distance of 150 feet and the remaining water main plugged by completely filling the end of the remaining pipe with concrete for a minimum distance of 16 inches, or one-half pipe diameter, whichever is greater.
- i. For all other conduits abandonment shall be in the same manner as the type of pipe most similar to the unidentified conduit either as a sewer or water main as applicable.
- j. With the approval of the Jurisdictional Engineer, a line may be abandoned with flowable mortar or CLSM (comply with Section 3010) by gravity flow or pumping.
- k. Compensation for the removal of abandoned pipes shall be considered incidental to construction."

12. Division 3 - Trench, Backfill, and Trenchless, Section 3010 - Trench and Backfill, under **PART 1 - TRENCH AND BACKFILL, 1.08 MEASUREMENT AND PAYMENT**, delete Paragraph "**B. Rock Excavation:**" in its entirety.
13. Division 3 - Trench and Trenchless Construction, Section 3010 - Trench Excavation and Backfill, under **PART 2 - PRODUCTS, 2.01 MATERIALS EXCAVATED FROM A TRENCH** delete Paragraph **B.** in its entirety and insert the following:

"B. Rock excavation: considered as Standard Trench Excavation."
14. Division 3 - Trench and Trenchless Construction, Section 3010 - Trench Excavation and Backfill, under **PART 2 - PRODUCTS, 2.02 BEDDING AND BACKFILL MATERIAL, A. Class I Material** in Paragraph 2. delete reference to "gravel".
15. Division 3 - Trench and Trenchless Construction, Section 3010 - Trench Excavation and Backfill, under **PART 2 - PRODUCTS, 2.04 STABILIZATION (FOUNDATION) MATERIALS**, delete **C.** in its entirety and insert the following:

"C. Jurisdictional Representative may authorize a change in gradation subject to materials available locally at the time of construction. With approval of Jurisdictional Representative, crushed concrete (PCC) may be used if it is substantially the same gradation and durability as crushed stone."
16. Division 3 - Trench and Trenchless Construction, Section 3010 - Trench Excavation and Backfill, under **PART 3 - EXECUTION, 3.05 PIPE BEDDING AND BACKFILL, A. General** following Paragraph 5. add the following:

"6. If width of trench exceeds the dimensions shown on Figure 3010.101 and Figure 3010.102, designated as "TW" or "1.25 x OD", for any rigid pipe, increase class of bedding as required to provide sufficient bedding strength. Obtain approval of Jurisdictional Representative for increased bedding class prior to installation. This provision applicable regardless of allowable bury depth as shown on Figure 3010.102.

17. Division 3 - Trench and Trenchless Construction, Section 3010 - Trench Excavation and Backfill, under **PART 3 - EXECUTION, 3.06 TRENCH COMPACTION TESTING, C. Field Testing**: delete Paragraph 1. in its entirety and insert the following:

- "1. **Testing Frequency and Locations**: perform testing of final trench backfill beginning at a depth of 2 feet above the top of pipe, as follows:
- a. Coordinate the timing of testing with Jurisdictional Representative.
 - b. Jurisdictional Representative will determine the location of testing.
 - c. For each 2 vertical feet of consolidated fill, provide tests at a maximum horizontal spacing of 200 feet and at all street or trail crossings.
 - d. Additional testing may be required by the Jurisdictional Representative in the event of non-compliance, changing conditions, or the determination by the Jurisdictional Representative that additional testing is required to document compaction. Additional tests shall be provided at no cost to the Jurisdiction.
 - e. If necessary, excavate to the depth and size as required by the Jurisdictional Representative to allow compaction tests. Place backfill material and recompact.

18. Division 4 - Sewer and Drains, Section 4010 - Sanitary Sewers, **PART 2 - PRODUCTS**, under **2.01 - SANITARY SEWER (Gravity Mains)**, delete Paragraph A. **Solid Wall Polyvinyl Chloride Pipe (PVC) 8" - 15"**, Paragraph B. **Solid Wall Polyvinyl Chloride Pipe (PVC) 18" - 27"**, and Paragraph H. **Vitrified Clay Pipe (VCP) 8" - 42"** in their entirety.

19. Division 4 - Sewers and Drains, Section 4010 - Sanitary Sewers, under **PART 3 - EXECUTION, 3.02 - GRAVITY SEWER INSTALLATION, A. General** following "8." add the following:

- "9. Existing sanitary sewers may not be used for discharge of underground or surface water at any time without prior approval of Jurisdictional Representative."

20. Division 4 - Sewers and Drains, Section 4020 - Storm Sewers under **PART 3 - EXECUTION, 3.02 PIPE INSTALLATION, A. General** following 9. add the following:

- "10. Jurisdictional Representative may require downstream end of new storm sewers to be plugged prior to final acceptance. If Jurisdictional Representative requires downstream end of storm sewers to be plugged during construction, contractor responsible to provide appropriate facilities to accommodate drainage normally tributary to new storm sewers under construction without adverse consequences to downstream or adjoining property owners.
11. Contractor responsible to prevent silt and soil from washing into existing storm sewers or new storm sewers under construction. Responsibility to prevent washing of silt and soil into new storm sewers and existing storm sewers is in addition to any requirements with respect to erosion control.
12. Contractor will be required to provide appropriate facilities to prevent washing of silt and soil into new and existing storm sewers including but not limited to, the installation of silt ponds.
13. Jurisdictional Representative may require installation of appropriate mechanisms for control of silt and soil washing into storm sewers including installation of silt ponds installed by deleting portion of storm sewer during construction, and installation of temporary silt pond at the storm sewer section.
14. Contractor responsible for cleanup and restoration of any areas disturbed by silt and soil washing into storm sewer sections including, but not limited to, removal of silt and soil from new storm sewers, removal of silt and soil from existing storm sewers, and cleanup of any silt and soil discharge from new or existing storm sewers onto adjoining property, whether public or private.
15. Provide tracer wire along all storm sewer lines including footing drain sewer collectors where location of storm sewer cannot be determined as a straight tangent between manholes and other visible access points. Tracer wire materials and installation shall be as specified in Division 5 - Water Mains and Appurtenances. Final determination of pipes requiring tracer wire shall be by City of Johnston."

21. Division 4 - Sewers and Drains, Section 4020 - Storm Sewers, under **PART 3 - EXECUTION, 3.09 CLEANING, INSPECTION AND TESTING** add the following:

"3.10 PIPE END SECTIONS

Install apron guard on all 15 inch and larger storm sewers, or on smaller storm sewers where requested by Jurisdictional Representative.
Construct as shown on Iowa DOT Standard Road Plan RF-26."

22. Division 4 - Sewers and Drains, Section 4030 - Pipe Culverts, under **PART 2 - PRODUCTS, 2.01 PIPE CULVERTS, B. Entrance Pipe Culvert** delete "4.", "5.", "6.", "7." and "8." in their entirety.
23. Division 4 - Sewers and Drains, Section 4040 - Subdrains and Footing Drain Collectors, under **PART 2 - PRODUCTS, 2.01 FOOTING DRAIN COLLECTORS, A. Polyvinyl Chloride Pipe and Fittings (Solid Wall PVC)**: following "3." add the following:
- "4. Not allowed under street pavement except for required transverse crossings."
24. Division 4 - Sewers and Drains, Section 4040 - Subdrains and Footing Drain Collectors, under **PART 2 - PRODUCTS, 2.01 FOOTING DRAIN COLLECTORS, B. Corrugated Polyvinyl Chloride Pipe and Fittings (Corrugated PVC)**: following "4." add the following:
- "5. Not allowed under street pavement except for required transverse crossings."
25. Division 4 - Sewers and Drains, Section 4040 - Subdrains and Footing Drain Collectors, under **PART 2 - PRODUCTS, 2.01 FOOTING DRAIN COLLECTORS, C. High Density Polyethylene Pipe and Fittings (HDPE)**: following "2." add the following:
- "3. Not allowed under street pavement except for required transverse crossings."
26. Division 4 - Sewers and Drains, Section 4040 - Subdrains and Footing Drain Collectors, **PART 2 - PRODUCTS, 2.05 Subdrain Outlet, A. Corrugated Metal Pipe (CMP)**: following "4." add the following
- "5. Use of CMP not allowed under existing or proposed pavement or driveways."

27. Division 4 - Sewers and Drains, Section 4060 - Cleaning, Inspection and Testing of Sewers, under **PART 3 - EXECUTION, 3.03 VIDEO INSPECTION, A. General** delete Paragraph 1. in its entirety and substitute the following:
- "1. Conduct video inspection of all new and rehabilitated sanitary sewers and storm sewers after all backfill and compaction operations are completed, but prior to any paving over sewers."
28. Division 4 - Sewers and Drains, Section 4060 - Cleaning, Inspection and Testing of Sewers, under **PART 3 - EXECUTION, 3.03 VIDEO INSPECTION, A. General** following "4." add the following:
- "5. Video inspection to be performed after backfill over sanitary sewer or storm sewer has been in place for at least 30 days and before any paving activity takes place over sewer."
29. Division 5 - Water Mains and Appurtenances, Section 5010 - Pipe and Fittings, under **PART 2 - PRODUCTS, 2.01 - WATER MAIN** delete "**C. Prestressed Concrete Cylinder Pipe**" in its entirety.
30. Division 5 - Water Mains and Appurtenances, Section 5010 - Pipe and Fittings, under **PART 2 - PRODUCTS, 2.03 - FITTINGS**, delete "**B. For Prestressed Concrete Cylinder Pipe:**" in its entirety.
31. Division 5 - Water Main and Appurtenances, Section 5010 - Pipe and Fittings, under **PART 2 - PRODUCTS, 2.07 - WATER SERVICE PIPE AND APPURTENANCES, B. Materials**, Paragraph 1. **Copper Pipe:** following "b." add the following:
- "c. Use for water services 2 inches and smaller.
 - d. Minimum size: 1 inch.
 - e. Use flared end fittings only."
32. Division 5 - Water Main and Appurtenances, Section 5010 - Pipe and Appurtenances, under **PART 2 - PRODUCTS, 2.07 - WATER SERVICE PIPE AND APPURTENANCES, B. Materials**, under Paragraph 2. **DIP**, add the following:
- "a. Use for services 4 inches and larger."
33. Division 5 - Water Main and Appurtenances, Section 5010 - Pipe and Appurtenances, under **PART 2 - PRODUCTS, 2.07 - WATER SERVICE PIPE AND APPURTENANCES, B. Materials** delete "3.", "4." and "5." in their entirety.

34. Division 5 - Water Main and Appurtenances, Section 5010 - Pipe and Appurtenances, under **PART 3 - EXECUTION**, delete "**3.04 - ADDITIONAL REQUIREMENTS FOR PRESTRESSED CONCRETE CYLINDER PIPE INSTALLATION**" in its entirety.
35. Division 5 - Water Main and Appurtenances, Section 5010 - Pipe and Fittings, under **PART 3 - EXECUTION**, **3.10 WATER SERVICE STUB**, following "C." add the following:
- "D. Contractor shall provide and install fittings, curb valve box and pipe for service connections. Obtain approval of Jurisdiction Representative for materials. Provide locking type valves to prevent unauthorized use of service valve."

36. Division 5 - Water Main and Appurtenances, Section 5010 - Pipe and Fittings, under **PART 3 - EXECUTION**, following **3.11 TESTING AND DISINFECTION**, add the following:

"3.12 WATER SERVICE RELOCATIONS

A. Water Service Stop Box Relocation

1. Relocate Stop Box from its existing location to its new location as shown on the plans or as designated by the Jurisdictional Engineer or authorized representative.
2. When Stop Boxes are not as indicated, the relocation shall be verified by the Jurisdictional Engineer or authorized representative before relocating.

B. Water Service Depth Check

1. Measure and assure that existing water service is a minimum of 60 inches below the finished grade and not in conflict with proposed sewers, walls, and other structures.
2. If the depth of the service is not adequate, the service shall be lowered in accordance with Section 5010.3.12 C., Water Service Lowering.

C. Water Service Lowering

1. The existing water service shall be lowered to provide a minimum of 60 inches of earth cover and to minimum clearances as shown in Figure 5010.9 for proposed sewers, walls, and structures.

2. Replace Stop Box and pipe and fittings if required.
3. For all copper water service lines located under portland cement concrete pavement, wrap service line with suitable protective wrap to prevent contact with potentially corrosive slurry from portland cement concrete pavement. Wrap materials shall be approved by City of Johnston.
4. Install a manufactured curb box receptacle to prevent stop box from bonding to portland cement concrete sidewalk or driveway. A.Y. McDonald Co. Model 5639.

D. Lower Water Service with New Copper

1. Replace services that do not meet plumbing code standards with new 1-inch copper tubing.
2. Lower to provide a minimum of 60 inches earth cover and to minimum clearance at proposed sewers, walls, and structures as shown in Figure 5010.901.
3. Replace stop box, if required.
4. For all copper water service lines located under portland cement concrete pavement, wrap service line with suitable protective wrap to prevent contact with potentially corrosive slurry from portland cement concrete pavement. Wrap materials shall be approved by City of Johnston.
5. Install a manufactured curb box receptacle to prevent stop box from bonding to portland cement concrete sidewalk or driveway. A.Y. McDonald Co. Model 5639.

E. New Water Service

1. At locations where plumbing code enforcement dictates that the existing water service must be reconstructed in conjunction with relocating water services or relocating stop boxes, the existing water service must be reconstructed from the water main to and including the stop box.
2. The new service shall be constructed to provide a minimum of 60 inches of earth cover to minimum clearances at proposed sewers, walls, and structures as shown in Figure 5010.901.

3. Utilize the existing corporation tap on the water main and provide all new materials required.
4. For all copper water service lines located under portland cement concrete pavement, wrap service line with suitable protective wrap to prevent contact with potentially corrosive slurry from portland cement concrete pavement. Wrap materials shall be approved by City of Johnston.
5. Install a manufactured curb box receptacle to prevent stop box from bonding to portland cement concrete sidewalk or driveway. A.Y. McDonald Co. Model 5639.

F. Water Service Relocation

1. Relocate the existing water service when there is conflict with sewer construction.
2. Relocate Stop Box if required.
3. For all copper water service lines located under portland cement concrete pavement, wrap service line with suitable protective wrap to prevent contact with potentially corrosive slurry from portland cement concrete pavement. Wrap materials shall be approved by City of Johnston.
4. Install a manufactured curb box receptacle to prevent stop box from bonding to portland cement concrete sidewalk or driveway. A.Y. McDonald Co. Model 5639.

G. Water Service Disconnection

1. Disconnect abandoned water service.
2. Abandon in accordance with local water works requirements.
3. Utilize the existing corporation tap on the water main and provide all new materials required.

3.13 WATER SERVICE DISCONNECTION

Designated water services and stubs in the Contract Documents within the project area or demolition site or sites shall be disconnected. The Contractor shall, with the help of the Jurisdiction Water Works, locate these water services. The water services shall be cut at the corporation stop and the stop closed by a Jurisdiction licensed plumber. The stop box consisting of the stem and casing shall be completely removed. In the event that more than one water tap exists for a single structure and the corporation can be cut in the original street cut, the Contractor shall be compensated as stipulated in the Contract Documents for each additional tap cut. Water service disconnections shall be inspected and approved by the Jurisdiction."

37. Division 5 - Water Main and Hydrants, Section 5010 - Pipes and Fittings, add the following figures:

"SP-1 and SP-2, attached herewith are made a part of this Supplemental Specification."

38. Division 5 - Water Main and Appurtenances, Section 5010 - Pipe and Fittings, on Figure SP-1 - 1-inch Service Pipe Installation add the following:

"Plan View Distance B is 3 feet".

39. Division 5 - Water Main and Appurtenances, Section 5010 - Pipe and Fittings, on Figure SP-2 - 1-1/2" or 2" Service Pipe Installation add the following:

"Plan View Distance B is 3 feet".

40. Division 5 - Water Main and Appurtenances, Section 5020 - Valves, Fire Hydrants and Appurtenances, under **PART 2 - PRODUCTS, 2.02 FIRE HYDRANT ASSEMBLY** delete **B. Manufacturers** and substitute the following:

"**B. Manufacturer:** Watrous 5-1/4 inch Pacer."

41. Division 5 - Water Main and Appurtenances, Section 5020 - Valves, Fire Hydrants and Appurtenances, under **PART 2 - PRODUCTS, 2.02 FIRE HYDRANT ASSEMBLY, C. Features**, delete **5.** and substitute the following:

"**5. Direction of opening:** counter-clockwise only."

42. Division 5 - Water Main and Appurtenances, Section 5020 - Valves, Fire Hydrants and Appurtenances, under **PART 2 - PRODUCTS, 2.02 FIRE HYDRANT ASSEMBLY, C. Features**, following "6." add the following:
- "7. **Locking Cap:** all hydrants must be installed with a locking fire hydrant cap: Captivater™ by American Flow Control only.
 - 8. **Color:** sea green.
 - 9. **Traffic Section:** hydrant to be provided with 16-inch long upper standpipe section (traffic section)."
43. Division 6 - Structures for Sanitary and Storm Sewers, Section 6010 - Structures for Sanitary and Storm Sewers, under **PART 2 - PRODUCTS, 2.01 MANHOLE AND INTAKE TYPE**, delete reference in table to Figure 6010.3.04 for a Type SW-304 manhole.
44. Division 6 - Structures for Sanitary and Storm Sewers, Section 6010 - Structures for Sanitary and Storm Sewer, under **PART 2 - PRODUCTS, 2.09 MANHOLE OR INTAKE ADJUSTMENT RINGS (GRADE RINGS)** under "A." delete "2." in its entirety.
45. Division 6 - Structures for Sanitary and Storm Sewers, Section 6010 - Structures for Sanitary and Storm Sewers, under **PART 3 - EXECUTION, 3.01 GENERAL REQUIREMENTS FOR INSTALLATION OF MANHOLES AND INTAKES**, delete **J. Casting:** and substitute the following:
- J. Casting:** no manholes allowed in pavement unless approved by Jurisdictional Representative. When manhole casting is approved for installation in pavement install casting as specified and adjust to property grade. In portland cement concrete pavement adjustable casting required. Adjust casting to match slope of finished surface."
46. Division 7 - Streets & Related Work, Section 7010 - Portland Cement Concrete Pavement, under **PART 1 - GENERAL, 1.08 MEASUREMENT FOR PAYMENT** delete Paragraph **M. Concrete Thickness Pay Factor** in its entirety.
47. Division 7 - Streets & Related Work, Section 7010 - Portland Cement Concrete Pavement, under **PART 1 - GENERAL, 1.08 MEASUREMENT FOR PAYMENT, N. Thickness Cores:** delete Paragraphs "2." , "9." and "10." in their entirety and modify "1." to read as follows:
- "1. One 4-inch core shall be taken initially for each section of approximately one thousand (1,000) square yards. Additional cores may be required by the Jurisdiction."

- a. The Jurisdictional Representative shall evaluate the extent and severity of the deficiencies in the pavement area. Depending on the severity of the deficiencies, the Jurisdictional Representative may require the deficient areas to be removed shall be removed at the Contractor's expense and replaced with pavement meeting the requirements of this specification.
- 2. At the discretion of the Jurisdictional Representative a mutually acceptable agreement may be negotiated that provides an extended maintenance bond period for deficient pavement areas left in place. If the Jurisdictional Engineer determines it would accept an agreement for an extended guarantee period and a mutually acceptable agreement cannot be negotiated, the deficient areas shall be removed at the Contractor's expense and replaced with pavement meeting the requirements of this specification."

48. Division 7 - Streets & Related Work, Section 7010 - Portland Cement Concrete Pavement, under **PART 3 - EXECUTION, 3.10 - JOINT SEALING**, 3. Joint Sealer, following "f." add the following:

"g. No backer rod permitted in saw joints. Use only specified joint filler material."

49. Division 7 - Streets & Related Work, Section 7010 - Portland Cement Concrete Pavement, under **PART 3 - EXECUTION, 3.14 - TESTING FOR PORTLAND CEMENT CONCRETE** in the table under the heading "Methods of Acceptance of Sampling & Testing" under the entry "Cert. Plant Inspector" change entry to read:

"Quality certification (6)."

Add the following footnote at bottom of the table:

"(6). Jurisdiction reserves the right to require certified plant inspector on a project-by-project basis."

50. Division 7 - Streets & Related Work, Section 7010 - Portland Cement Concrete Pavement, under **PART 3 - EXECUTION**, following **3.16 - REMOVAL OF PAVEMENT**, add the following:

"3.17 DEAD END STREET TERMINATIONS

- A. Temporary Dead End Streets:** All temporary dead end streets serving 4 or more lots or exceeding 200 feet in length shall terminate with a temporary turnaround constructed of asphaltic cement concrete pavement with a minimum diameter of 60 feet, or other satisfactory geometric configuration approved by Jurisdiction, to allow for turning of a vehicle, including vehicles required for snow removal.
- B. Dead End Street Barricades.** Install permanent barricade at end of all stub end or dead end streets. Permanent barricade shall consist of 5 vertical delineate posts with reflective delineating marked sign indicating dead end street. Location of permanent barricade at dead end street shall be approved by Jurisdictional."

51. Division 7 - Streets and Related Work, Section 7020 - Hot Mix Asphalt Pavement, under **PART 1 - GENERAL, 1.02 - DESCRIPTION OF WORK**, following Paragraph B. add the following:

"C. Use of hot mix asphalt (HMA) pavement for new street construction not allowed."

52. Division 7 - Streets and Related Work, Section 7020 - Hot Mix Asphalt Pavement, under **PART 3 - EXECUTION, 3.05 - QUALITY CONTROL**, Paragraph B. subparagraph 5. Certification add the following sentence at the end of the section:

"Jurisdiction reserves the right to require a certified plant inspector on a project-by-project basis."

53. Division 7 - Streets & Related Work, Section 7030 - Recreational Trails, Sidewalks, and Driveways on Figure 7030.101 and Figure 7030.102 delete "E" joint at the back of the curb and add "E" joint at face of sidewalk.

54. Division 7 - Streets and Related Work, Section 7030 - Recreational Trails, Sidewalks, and Driveways, on Figure 7030.101 add a note as follows:

"Maximum width of driveway is 20 feet at right-of-way line."

55. Division 7 - Streets and Related Work, Section 7030 - Recreational Trails, Sidewalks, and Driveways, on Figure 7030.102 add a note as follows:

"Maximum width of driveway is 20 feet at right-of-way line."

56. Division 7 - Streets & Related Work, Delete Section 7050 - Asphalt Stabilization in its entirety.
57. Division 7 - Streets & Related Work, Delete Section 7060 - Bituminous Seal Coat in its entirety.
58. Division 7 - Streets & Related Work, Delete Section 7070 - Emulsified Asphalt Slurry Seal in its entirety.
59. Delete Division 8 - Traffic Signals in its entirety.
60. Division 9 - Sitework & Landscaping, Section 9040 - Erosion & Settlement Control, under **PART 3 - EXECUTION, 3.07 - SILT FENCES, A. Installation**, following "6." add the following:

"7. At time of installation of silt fence, date of installation to be painted on silt fence in clear view on the side of silt fence not to be filled with sediment."

61. Division 10 - Utility Service Location Details, delete Figure 10000.1 and Figure 10000.2 in their entirety.
62. Division 10 - Utility Service Location Details, in lieu of Figure 10000.1 and Figure 10000.2 insert the following requirements for utility service locations in the City of Johnston:

- "1. Building water service: center of lot with stop box 3 feet from right-of-way (lot line) towards streets, in the sidewalk if a sidewalk is present; one cut mark at top of curb with blue stake at end of service.
2. Building sewer service: 18 inches right of building water service as viewed from street; two cut marks in top of curb and green stake on end of service.
3. Building storm sewer: 18 inches left of building water service as viewed from street; three cut marks in top of curb and white stake at end of service."