

| Section<br>No. | Section Title                                                            | Issue<br>Date | Section Description                                                                                                                                                         |
|----------------|--------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIVISION C     | 00 - PROCUREMENT AND CONTRACTING REQU                                    | IREME         | NTS                                                                                                                                                                         |
| 000000         | Procurement and Contracting Requirements                                 | 11/11         | Outline Only: Single Document to specify procurement and Contract requirements. Includes topics covered in Division 00 Documents.                                           |
| 001116         | Invitation to Bid                                                        | 10/14         | Private notice for selected bidders.                                                                                                                                        |
| 002113         | Instructions to Bidders                                                  | 10/14         | Generic bid submission procedural requirements.                                                                                                                             |
| 002113.11      | Instructions to Bidders - AIA                                            | 10/14         | Bid submission procedural requirements incorporating and supplementing AIA A701 used with AIA Contract forms. NOTE: SpecText files do not contain referenced AIA documents. |
| 002113.12      | Instructions to Bidders - EJCDC                                          | 10/14         | Bid submission procedural requirements with EJCDC Contract forms. NOTE: SpecText files do not contain referenced EJCDC documents.                                           |
| 003100         | Available Project Information                                            | 10/14         | List and descriptions of geotechnical, topographic survey, existing conditions survey, and other reports.                                                                   |
| 004113         | Bid Form - Stipulated Sum (Single-Prime Contract)                        | 10/14         | Generic lump-sum price Bid Form used with AIA, EICDC, or other Contract forms. NOTE: SpecText files do not contain referenced AIA and EICDC documents.                      |
| 004143         | Bid Form - Unit Price (Single-Prime Contract)                            | 10/14         | Generic unit price Bid Form used with AIA, EJCDC, o<br>other Contract forms. NOTE: SpecText files do not<br>contain referenced AIA and EJCDC documents.                     |
| 004300         | Procurement Form Supplements                                             | 10/14         | Forms to be submitted with Bid for Contractor qualifications, Subcontractor list, pricing schedules, and other information.                                                 |
| 005213.11      | Agreement Form - AIA Stipulated Sum (Single-Prime Contract)              | 10/14         | Incorporates AIA form as Contract agreement.<br>NOTE: SpecText files do not contain referenced AIA<br>documents.                                                            |
| 005213.12      | Agreement Form - EJCDC Stipulated Sum (Single-Prime Contract)            | 10/14         | Incorporates EICDC form as Contract agreement.<br>NOTE: SpecText files do not contain referenced<br>EICDC documents.                                                        |
| 005223.11      | Agreement Form - AIA Construction Management (Single-Prime Contract)     | 10/14         | Incorporates AIA construction management form as<br>Contract agreement. NOTE: SpecText files do not<br>contain referenced AIA documents.                                    |
| 007213.11      | General Conditions - AIA Stipulated Sum (Single-Prime Contract)          | 10/14         | Incorporates AIA form as General Conditions. NOTE SpecText files do not contain referenced AIA documents.                                                                   |
| 007213.12      | General Conditions - EJCDC Stipulated Sum (Single-Prime Contract)        | 10/14         | Incorporates EICDC form as General Conditions.<br>NOTE: SpecText files do not contain referenced<br>EICDC documents.                                                        |
| 007223.11      | General Conditions - AIA Construction Management (Single-Prime Contract) | 10/14         | Incorporates AIA construction management form as<br>General Conditions. NOTE: SpecText files do not<br>contain referenced AIA documents.                                    |
| 007313         | Supplementary Conditions - AIA                                           | 10/14         | Supplements to AIA standard general conditions.<br>NOTE: SpecText files do not contain referenced AIA<br>documents.                                                         |
| 007314         | Supplementary Conditions - EJCDC                                         | 10/14         | Supplements to EJCDC standard general conditions. NOTE: SpecText files do not contain referenced EJCDC documents.                                                           |
| 007315         | Supplementary Conditions - AIA (Construction Management)                 | 10/14         | Supplements to AIA standard construction management general conditions. NOTE: SpecText files do not contain referenced AIA documents.                                       |
| 009113         | Addenda                                                                  | 10/14         | Form for preparing addenda.                                                                                                                                                 |
| DIVISION C     | 1 - GENERAL REQUIREMENTS                                                 |               |                                                                                                                                                                             |
| 010000         | General Requirements                                                     | 04/12         | Outline Only: Single section to specify general requirements. Includes topics covered in other Division 01 Sections.                                                        |





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|----------------|--------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 011000         | Summary                                    | 11/11         | Basic Contract description, work by Owner or others, Owner-furnished products, use of Site, future work, work sequence, Owner occupancy, permits, and specification conventions.                                            |
| 012000         | Price and Payment Procedures               | 11/11         | Allowances, schedule of values, applications for payment, change procedures, defect assessment, unit prices, and alternates.                                                                                                |
| 012500         | Substitution Procedures                    | 11/11         | Product and installer substitution procedures.                                                                                                                                                                              |
| 013000         | Administrative Requirements                | 11/11         | Coordination, meetings, electrical characteristics, alterations, and special procedures.                                                                                                                                    |
| 013216         | Construction Progress Schedule             | 11/11         | Critical path method (CPM) schedules, bar chart schedules, submittals, review and evaluation, updating, and distribution.                                                                                                   |
| 013300         | Submittal Procedures                       | 11/11         | Administrative and procedural requirements, product list and data, CAD files, Shop Drawings, samples, design data, reports, certificates, instructions, photographs, and reviews.                                           |
| 014000         | Quality Requirements                       | 11/11         | Quality control, tolerances, references, labeling, mockups, testing and inspection, and manufacturer's field services.                                                                                                      |
| 015000         | Temporary Facilities and Controls          | 11/11         | Temporary utilities, construction facilities, and controls.                                                                                                                                                                 |
| 016000         | Product Requirements                       | 11/11         | Product description, delivery, storage, handling, and product options.                                                                                                                                                      |
| 017000         | Execution and Closeout Requirements        | 11/11         | Field engineering, startup, closeout, testing, adjusting, balancing, o&m, demonstrations and instructions, record documents, spare parts, warranties and bonds, examination, preparation, cutting & patching, and cleaning. |
| 017419         | Construction Waste Management and Disposal | 11/11         | Construction waste management plan, recycling, and adaptively reusing construction waste.                                                                                                                                   |
| 018113         | Sustainable Design Requirements            | 04/12         | Project goals, product requirements, and documentation to support LEED certification.                                                                                                                                       |
| 019100         | Commissioning                              | 11/11         | Administrative and procedural requirements for commissioning selected systems.                                                                                                                                              |
| DIVISION       | 02 - EXISTING CONDITIONS                   |               |                                                                                                                                                                                                                             |
| 024300         | Structure Moving                           | 07/12         | Relocation of entire structures or portions of structures. Also includes disconnecting and reconnecting utilities.                                                                                                          |
| 025700         | Sinkhole Remediation                       | 04/12         | Excavation within and adjacent to sinkholes and natural subsurface openings; placement of concrete or grout in bedrock openings; and backfilling.                                                                           |
| DIVISION       | 03 - CONCRETE                              |               |                                                                                                                                                                                                                             |
| 030100         | Maintenance of Concrete                    | 10/15         | Patching and repair of damaged or deteriorated concrete, using cementitious and epoxy repair materials.                                                                                                                     |
| 031000         | Concrete Forming and Accessories           | 10/14         | Form materials, water stops and accessories, as required to form cast-in-place concrete.                                                                                                                                    |
| 032000         | Concrete Reinforcing                       | 10/14         | Reinforcing steel and supports for cast-in-place concrete.                                                                                                                                                                  |
| 033000         | Cast-in-Place Concrete                     | 07/14         | Cast-in-place or in situ concrete for structural building frames, slabs on fill or grade, and other concrete components associated with building.                                                                           |
| 033523         | Exposed Aggregate Concrete Finishing       | 10/16         | Exposed architectural finishes on concrete surfaces including final cleaning.                                                                                                                                               |
| 033713         | Shotcrete                                  | 01/17         | Pneumatically applied concrete for contoured earth surfaces or prepared forms.                                                                                                                                              |





| Section<br>No. | Section Title                     | Issue<br>Date | Section Description                                                                                                                                                                                         |
|----------------|-----------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 033800         | Post-Tensioned Concrete           | 04/15         | On-Site post-tensioning of cast-in-place concrete structural building framing members and slabs.                                                                                                            |
| 033900         | Concrete Curing                   | 01/16         | Procedures for curing horizontal and vertical concrete surfaces.                                                                                                                                            |
| 034100         | Precast Structural Concrete       | 01/15         | Plant precast and prestressed concrete members for building structural framing members; lifting, supporting, and connection devices; standard or stressing reinforcement; and minor surface finish options. |
| 034713         | Tilt-Up Concrete                  | 04/15         | Site-cast, load- or non-load-bearing, precast concrete wall panels, including panel insulation.                                                                                                             |
| 036000         | Grouting                          | 07/15         | Portland-cement grout, rapid-curing epoxy grout, and non-shrink cementitious grout.                                                                                                                         |
| DIVISION       | 04 - MASONRY                      |               |                                                                                                                                                                                                             |
| 040513         | Masonry Mortaring                 | 10/14         | Mortar for masonry Work, specified by property method or by proportion method.                                                                                                                              |
| DIVISION       | 05 - METALS                       |               |                                                                                                                                                                                                             |
| 055000         | Metal Fabrications                | 07/13         | Shop fabricated metal items of steel and aluminum.                                                                                                                                                          |
| 055100         | Metal Stairs                      | 01/13         | Shop fabricated steel stairs with concrete filled pan, checkered plate, or open grating; pre-engineered or engineer designed, preassembled stair towers; including integral handrails and balusters.        |
| 055200         | Metal Railings                    | 01/13         | Pipe or tube railing system; aluminum or steel materials; custom fabricated or proprietary design.                                                                                                          |
| 055300         | Metal Gratings                    | 01/13         | Metal and FRP bar gratings and floor plates for pedestrian or light vehicle loads.                                                                                                                          |
| DIVISION       | 07 - THERMAL AND MOISTURE PROTEC  | TION          |                                                                                                                                                                                                             |
| 071200         | Built-Up Bituminous Waterproofing | 01/13         | Hot or cold applied asphalt or hot applied coal tar waterproofing, with integral fabric reinforcement for foundation walls, buried structures, and concealed horizontal slabs.                              |
| 071300         | Sheet Waterproofing               | 01/13         | Sheet waterproofing membranes of various types used in vertical and horizontal applications.                                                                                                                |
| 071400         | Fluid-Applied Waterproofing       | 01/13         | Liquid rubber, elastomeric, or other waterproofing compounds, hot or cold applied, used in vertical and horizontal applications.                                                                            |
| 071700         | Bentonite Waterproofing           | 01/13         | Manufactured waterproofing panel containing bentonite clay for below grade vertical and horizontal surfaces.                                                                                                |
| 079000         | Joint Protection                  | 07/15         | Gun-grade and pourable sealants, compressible foam sealers, and gaskets for sealing static joints, dynamic joints, and joints between differing materials and components.                                   |
| DIVISION       | 09 - FINISHES                     |               |                                                                                                                                                                                                             |
| 099000         | Painting and Coating              | 10/14         | Preparing, priming, painting, staining, and applying finishes to scheduled surfaces, including mechanical, electrical, and equipment finishing.                                                             |
| 099600         | High-Performance Coatings         | 10/14         | Fluid-applied coatings intended for applications requiring improved scrubbability and durability, increased chemical resistance, or increased corrosion protection.                                         |

#### **DIVISION 10 - SPECIALTIES**





| Section<br>No. | Section Title                      | Issue<br>Date | Section Description                                                                                                                          |
|----------------|------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 107500         | Flagpoles                          | 01/17         | Metal and glass-fiber flagpoles, primed for Site painting or prefinished, ground or building mounted, and with manual or electric operation. |
| DIVISION 2     | 2 - PLUMBING                       |               |                                                                                                                                              |
| 221429         | Sump Pumps                         | 01/13         | Sump pumps for installation in sumps to pump effluent or drain water from structures and facilities.                                         |
| DIVISION 2     | 26 - ELECTRICAL                    |               |                                                                                                                                              |
| 265600         | Exterior Lighting                  | 01/13         | Exterior luminaries, poles, and accessories.                                                                                                 |
| DIVISION 3     | 1 - EARTHWORK                      |               |                                                                                                                                              |
| 310513         | Soils for Earthwork                | 07/17         | Soil and subsoil materials intended to be referenced by other Sections, generally for fill and grading purposes.                             |
| 310516         | Aggregates for Earthwork           | 07/17         | Coarse- and fine-aggregate materials intended to be referenced by other Sections, generally for fill and grading purposes.                   |
| 310519.13      | Geotextiles for Earthwork          | 01/16         | Turf reinforcement mats (woven geotextiles) and nonwoven geotextiles materials.                                                              |
| 310813         | Pile Load Testing                  | 01/15         | Pile load-testing requirements intended to supplement piling Sections where testing is a project requirement.                                |
| 311000         | Site Clearing                      | 01/13         | Removal of paving and curbs, debris, grass, and plant life and rough grading of soil, in preparation for site or building excavation work.   |
| 312113         | Radon Mitigation                   | 04/16         | Passive system to collect radon gas under basements and slabs-on-grade, and vent through roof to atmosphere.                                 |
| 312213         | Rough Grading                      | 01/13         | Removal of topsoil, rough grading, filling, and compacting to contour the site in preparation for building excavation and other site work.   |
| U 312316       | Excavation                         | 10/17         | Excavating for building foundations, site structures, slabs-on-grade, pavement, and utilities within the building.                           |
| 312316.13      | Trenching                          | 01/15         | Trenching and backfilling for utilities outside of buildings, usually extending to utility service connections.                              |
| 312316.26      | Rock Removal                       | 01/15         | Removal of subsurface rock during excavation by mechanical or explosive methods.                                                             |
| U 312319       | Dewatering                         | 10/17         | Temporary dewatering and surface water control systems for open excavations, trenches, tunnels, and drilled shafts.                          |
| U 312323       | Fill                               | 10/17         | Backfilling for building foundations, site structures, slabs-on-grade, pavement, and utilities within the building.                          |
| 312323.33      | Flowable Fill                      | 01/15         | Lean concrete mix for backfill, bedding and subgrade site work.                                                                              |
| 312500         | Erosion and Sedimentation Controls | 01/13         | Erosion and sedimentation control devices                                                                                                    |
| 313116         | Termite Control                    | 11/11         | Chemical soil treatment to control subterranean termites and other insects.                                                                  |
| 313213.16      | Cement Soil Stabilization          | 01/15         | Treating existing site subsoil with cement, aggregate, and other additives for physical stability to support subsequent construction.        |
| 313213.19      | Lime Soil Stabilization            | 01/15         | Treating existing site subsoil with lime, aggregate, and other additives for physical stability to support subsequent construction.          |





| Section<br>No. | Section Title                        | Issue<br>Date | Section Description                                                                                                                                                                                                 |
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| 313600         | Gabions                              | 07/16         | Wire-mesh, stone-filled gabions and mattresses for earth retention or channel lining, including filters.                                                                                                            |
| 313716.13      | Rubble-Stone Riprap                  | 07/16         | Riprap and rock lining placed loose for soil stabilization and slope protection.                                                                                                                                    |
| 313716.19      | Sacked Sand-Cement Riprap            | 07/16         | Riprap and rock lining used for soil stabilization and slope protection, placed in closed-jute or geotextile-fabric sacks for concealed or exposed-to-view locations.                                               |
| 314116         | Sheet Piling                         | 07/16         | Sheet piling for retaining walls, weirs, caissons, cofferdams, and bulkheads.                                                                                                                                       |
| 316213.23      | Prestressed Concrete Piles           | 07/16         | Driven prestressed precast concrete piles, with or without steel points.                                                                                                                                            |
| U 316216       | Steel Piles                          | 10/17         | Driven H-section steel piles, with protective coating.                                                                                                                                                              |
| 316219         | Timber Piles                         | 11/11         | Driven timber piles, with or without preservative treatment.                                                                                                                                                        |
| 316223         | Composite Piles                      | 11/11         | Cast-in-place concrete filled steel pipe piles, end bearing type.                                                                                                                                                   |
| 316300         | Bored Piles                          | 01/13         | Cast-in-place concrete footings, compacted to form an expanded bulbular base, with or without shaft liner, end bearing type.                                                                                        |
| 316316         | Auger Cast Grout Piles               | 01/13         | Hollow auger bored shaft with cast-in-place concrete grout pressure injected, end bearing type.                                                                                                                     |
| 316329         | Drilled Concrete Piers and Shafts    | 11/11         | Cast-in-place concrete piers in bored shafts, with or without shaft liner, bells, rock socket, shear ring, or reinforcing steel; end bearing and friction type. Sometimes referred to as caissons or drilled piers. |
| 316616         | Special Foundation Walls             | 01/13         | Mechanically stabilized earth walls for earth retaining structures                                                                                                                                                  |
| DIVISION 3     | 32 - EXTERIOR IMPROVEMENTS           |               |                                                                                                                                                                                                                     |
| 320116         | Flexible Paving Rehabilitation       | 07/12         | Milling, or heating and removing, reciting, and replacing existing asphaltic concrete, with or without a top seal coat.                                                                                             |
| 320126         | Rigid Paving Rehabilitation          | 07/12         | Preparation of existing concrete pavement surfaces for subsequent asphalt or concrete pavements.                                                                                                                    |
| 320513         | Soils for Exterior Improvements      | 01/13         | Soil and subsoil materials referenced by other sections for fill and grading purposes.                                                                                                                              |
| 320516         | Aggregates for Exterior Improvements | 01/13         | Aggregate materials referenced by other exterior improvements sections for fill and grading purposes.                                                                                                               |
| 321123         | Aggregate Base Courses               | 07/12         | Aggregate subbase and base course for placement under asphalt or concrete pavement, or placed and left exposed.                                                                                                     |
| 321216         | Asphalt Paving                       | 11/11         | Conventional (Marshall) and superpave asphalt paving for roads, parking areas, or sidewalks.                                                                                                                        |
| 321313         | Concrete Paving                      | 11/11         | Concrete pavement for roads, parking areas, sidewalks, median barriers, integral curbs, gutters.                                                                                                                    |
| 321413         | Precast Concrete Unit Paving         | 01/13         | Precast concrete paver units of interlocking or butt edge design, laid dry on sand bed.                                                                                                                             |
| 321416         | Brick Unit Paving                    | 01/13         | Clay brick pavers set into sand, bituminous or mortar bed, on an aggregate or paved base.                                                                                                                           |
| 321423         | Asphalt Unit Paving                  | 01/13         | Manufactured fibered asphalt block or plank pavers on a paved base.                                                                                                                                                 |
| 321440         | Stone Paving                         | 01/13         | Marble, granite, or slate stone pavers, laid dry on sand or placed on mortar bed.                                                                                                                                   |
|                |                                      |               |                                                                                                                                                                                                                     |
| 321623         | Sidewalks                            | 01/16         | Concrete paving for sidewalks.                                                                                                                                                                                      |





| Section<br>No. | Section Title                                | Issue<br>Date | Section Description                                                                                                                                          |
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| 321723         | Pavement Markings                            | 04/16         | Painted pavement markings, lines, and legends for bituminous concrete and portland cement concrete roads and parking areas.                                  |
| 321726         | Tactile Warning Surfacing                    | 01/15         | ADA-compliant tactile warning surfacing, suitable for surface or cast-in-place installation in concrete and asphalt.                                         |
| 323113         | Chain Link Fences and Gates                  | 07/12         | Chain link fences of zinc coated steel, aluminum coated steel, and vinyl coated steel.                                                                       |
| 323223         | Segmental Retaining Walls                    | 01/13         | Manufactured modular wall for landscaping, erosion control, and other transportation, site or waterfront applications.                                       |
| 323243         | Soldier-Beam Retaining Walls                 | 01/13         | Soldier beam walls for earth retention                                                                                                                       |
| 323313         | Site Bicycle Racks                           | 01/16         | Bicycle racks and simple shelters.                                                                                                                           |
| 323314         | Bicycle Lockers                              | 01/16         | Secure bicycle shelters for storage of bicycles.                                                                                                             |
| 328400         | Planting Irrigation                          | 11/11         | Piped underground irrigation systems with piping, sprinkler heads, valves, and controls.                                                                     |
| 329113         | Soil Preparation                             | 01/13         | Preparation of subsoil and topsoil placement.                                                                                                                |
| 329119         | Landscape Grading                            | 01/13         | Placing, leveling, and compacting topsoil materials prior to final landscaping                                                                               |
| 329219         | Seeding                                      | 01/13         | Seeding of grassed areas. Also includes subsoil and topsoil preparation                                                                                      |
| 329223         | Sodding                                      | 04/16         | Installation of sod and maintenance until acceptance, including preparation of subsoil and topsoil placement.                                                |
| 329300         | Plants                                       | 01/13         | Interior and exterior landscaping including trees, plants, and ground cover. Also includes subsoil and topsoil preparation.                                  |
|                | Disinfection of Water Utility Piping Systems | 10/16         | Disinfection of domestic water services associated with site services and utility supply systems.                                                            |
| 330110.59      | Disinfection of Water Utility Storage Tanks  | 10/16         | Methods of disinfecting water storage tanks for potable water.                                                                                               |
| 330130.11      | Television Inspection of Sewers              | 10/16         | Television inspection of pipeline and associated preparatory Work.                                                                                           |
| 330130.61      | Packer Injection Grouting                    | 10/16         | Grout sealing of sewer pipe joints and cleaning, plugging, and grout sealing of defective manholes.                                                          |
| 330130.72      | Cured-in-Place Pipe Lining                   | 10/16         | Relining of sanitary sewer piping and associated preparatory work.                                                                                           |
| 330130.79      | Fold-and-Form Pipe Lining                    | 10/16         | Relining of sanitary sewer piping and associated peparatory work.                                                                                            |
| 330130.86      | Manhole Rim Adjustment                       | 10/16         | Manhole cover grade adjustment and cover replacement.                                                                                                        |
| 330150.56      | Cleaning of Hydrocarbon Storage Tanks        | 10/16         | Methods of cleaning fuel-storage tanks to remove residual fuels, sludge, and scale.                                                                          |
|                | Hydrostatic Testing                          | 10/16         | Hydrostatic testing of pressurized piping and connected appurtenances such as valves.                                                                        |
|                | Infiltration and Exfiltration Testing        | 10/16         | Infiltration and exfiltration testing of gravity sewer piping and manholes.                                                                                  |
| -              | Vacuum Testing                               | 10/16         | Vacuum testing of gravity sewer manholes.                                                                                                                    |
| 330505.41      | Air Testing                                  | 10/16         | Low-pressure air testing of gravity sewer piping.                                                                                                            |
| 330505.43      | Mandrel Testing                              | 10/16         | Mandrel testing of plastic gravity sewer piping.                                                                                                             |
| 330507         | Trenchless Installation of Utility Piping    | 10/16         | Pipe jacking and tunnel excavation, casing pipes and tunnel liners, secondary inverts, carrier pipes, and ducts for installation of distribution facilities. |
|                |                                              |               |                                                                                                                                                              |





| Section<br>No. | Section Title                                        | Issue<br>Date | Section Description                                                                                                                                                                                                                                           |
|----------------|------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | Microtunneling                                       | 10/16         | Provisions for microtunnel systems to install casing or product pipe immediately behind controlled, steerable, articulated Microtunnel Boring Machine (MTBM).                                                                                                 |
| 330509.33      | Thrust Restraint for Utility Piping                  | 10/16         | Tied joint restraint systems used to anchor and resist forces developed in underground closed pipeline systems.                                                                                                                                               |
| 330561         | Concrete Manholes                                    | 10/16         | Cast-in-place precast concrete and masonry manholes to access subsurface drainage and sewerage piping.                                                                                                                                                        |
| 330563         | Concrete Vaults and Chambers                         | 10/16         | Precast concrete utility vaults and chambers, with frames and covers, used for subsurface drainage collection, sewage collection, and water distribution systems.                                                                                             |
| 330573         | Polyethylene Manholes                                | 10/16         | PE manholes, rims, and covers used in gravity piping systems used to transport corrosive wastewater or chemicals.                                                                                                                                             |
| 330576         | Fiberglass Manholes                                  | 10/16         | Fiberglass manholes, rims, and covers used in gravity piping systems to transport corrosive wastewater or chemicals.                                                                                                                                          |
| 330577         | Fiberglass Metering Manholes                         | 10/16         | Packaged fiberglass metering manholes used for installation of flumes.                                                                                                                                                                                        |
| 330597         | Identification and Signage for Utilities             | 10/16         | Pipeline marker posts, metal and plastic utility markers, marking flags, plastic ribbon tape, and trace wire.                                                                                                                                                 |
| 331100         | Groundwater Sources                                  | 10/16         | Drilling of public supply water wells, including casing and grouting, pump, and accessories.                                                                                                                                                                  |
| 331113         | Potable Water Supply Wells                           | 10/16         | Water well drilling, casing and grouting, pump, and accessories used for small residential or commercial domestic water wells.                                                                                                                                |
| 331413         | Public Water Utility Distribution Piping             | 10/16         | Pipe materials, fittings, valves, and meters normally encountered with public water distribution systems, including potable water and fire water systems within public rights-of-way.                                                                         |
| 331416         | Site Water Utility Distribution Piping               | 10/16         | Pipe materials, fittings, and valves for domestic water, and fire water systems from the building to the utility source.                                                                                                                                      |
| 331417         | Site Water Service Utility Laterals                  | 10/16         | Pipe materials, fittings, valves, meters, and backflow preventers used for water-service connections to small commercial and light industrial buildings and residential homes.                                                                                |
| 331419         | Valves and Hydrants for Water Utility Service        | 10/16         | Fire hydrants and valves used for installation in water mains.                                                                                                                                                                                                |
| 331616         | Multi-Column Elevated Steel Water Storage Tanks      | 10/16         | Design, fabrication, and erection of welded steel elevated water tank.                                                                                                                                                                                        |
| 331636         | Ground-Level Reinforced Concrete Water Storage Tanks | 10/16         | Design, fabrication, and erection of site precast, prestressed concrete water storage tanks.                                                                                                                                                                  |
| 331900         | Water Utility Metering Equipment                     | 10/16         | Meters and appurtenances commonly used in water distribution systems, including positive displacement meters, propeller flow meters, magnetic flow meters, ultrasonic flow meters, venturi flow meters, transmitters, indicators, recorders, and integrators. |
| 332313         | Geothermal Energy Exchange Wells                     | 10/14         | Drilling, grouting, excavation, backfill, piping, valves, and accessories for wells used in geothermal heat pump systems.                                                                                                                                     |
| 333100         | Sanitary Sewerage Piping                             | 10/16         | Pipe materials and accessories used for gravity sanitary building piping from outside building to connection with municipal sewers or other discharge method.                                                                                                 |
| 333111         | Public Sanitary Sewerage Gravity Piping              | 10/16         | Pipe materials, manholes, and accessories for public gravity sanitary sewers.                                                                                                                                                                                 |
| 333123         | Sanitary Sewerage Force Main Piping                  | 10/16         | Pipe materials and accessories used for municipal sanitary sewerage force mains.                                                                                                                                                                              |





| Section<br>No. | Section Title                               | Issue<br>Date | Section Description                                                                                                                                                               |
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| 333126         | Sanitary Pressure Sewer Piping              | 10/16         | Pipe materials and accessories used for low-<br>pressure sanitary sewage collection systems where<br>on-lot grinder pumps are used to convey domestic<br>sewage.                  |
| 333211         | Field-Erected Wastewater Pumping Stations   | 10/16         | Excavation, submersible pump basin, pumps, control panel, and accessories for small public sewage pumping stations for residential, commercial, industrial, or institutional use. |
| 333213         | Packaged Wastewater Pumping Stations        | 10/16         | Excavation, submersible pump basin, pumps, control panel, and accessories for packaged sewage pumping stations for residential, commercial, industrial, or institutional use.     |
| 333216         | Packaged Wastewater Grinder Pump Assemblies | 10/16         | On-lot, submersible, centrifugal and progressing-<br>cavity sewage grinder pumping units.                                                                                         |
| 333219         | Septic Tank Effluent Pumps                  | 10/16         | Septic tank effluent pump units for low-pressure septic tank effluent pumping (STEP) systems.                                                                                     |
| 333413.13      | Concrete Septic Tanks                       | 10/16         | Materials and installation requirements for concrete septic tanks.                                                                                                                |
| 333413.23      | Fiberglass Septic Tanks                     | 10/16         | Materials and installation requirements for fiberglass (FRP) septic tanks.                                                                                                        |
| 333413.33      | Polyethylene Septic Tanks                   | 10/16         | Materials and installation requirements for high-<br>density polyethylene (HDPE) septic tanks.                                                                                    |
| 333451         | Drainage Field System                       | 10/16         | Materials and installation requirements for drainage fields (leach fields) used to further treat effluent from septic tanks.                                                      |
| 333453         | Distribution Chambers                       | 10/16         | Materials and installation requirements for distribution chambers used to divert septic tank effluent to drainage fields.                                                         |
| 334113         | Foundation Drainage                         | 10/16         | Weep tile drainage system including piping, aggregate and filter fabric for building perimeter.                                                                                   |
| 334119         | Underslab Drainage                          | 10/16         | Weep tile drainage system including piping, aggregate and filter fabric for under slabs-on-grade                                                                                  |
| 334200         | Stormwater Conveyance                       | 10/16         | Gravity storm drain piping from building to<br>municipal utility or other discharge system, and<br>gravity storm drainage of paved and landscaped<br>Site areas.                  |
| 334213         | Stormwater Culverts                         | 10/16         | Corrugated-steel, aluminum, concrete, PE, PVC pipe culverts, and concrete box sections.                                                                                           |
| 334236         | Stormwater Trench Drains                    | 10/16         | Trench drains and accessories.                                                                                                                                                    |
| 335213         | Liquid Hydrocarbon Piping                   | 10/16         | Factory-insulated piping for use with oil distribution systems in below-ground applications.                                                                                      |
| 336100         | Hydronic Energy Distribution                | 10/14         | Factory-insulated piping for use with hydronic distribution systems in below-ground applications.                                                                                 |
| 336300         | Steam Energy Distribution                   | 10/14         | Factory-insulated piping for use with steam distribution systems in below-ground applications.                                                                                    |
| DIVISION 3     | 4 - Transportation                          |               |                                                                                                                                                                                   |
| 347113         | Vehicle Barriers                            | 07/12         | Formed steel guard rail on steel or timber posts for vehicular traffic control.                                                                                                   |
| DIVISION 4     | 0 - PROCESS INTERCONNECTIONS                |               |                                                                                                                                                                                   |
| 400539.13      | Concrete Pressure Water Pipe                | 01/17         | Concrete pipe materials and appurtenances normally encountered with pressurized-water piping in a water-treatment plant.                                                          |
| 400539.23      | Concrete Gravity and Drainage Process Pipe  | 01/17         | Pipe materials and appurtenances normally encountered with gravity process and drainage piping in a water- and wastewater-treatment plant.                                        |
| 400581.26      | Freeze-Proof Yard Hydrants                  | 01/17         | Non-freeze yard hydrant (also referred to as post hydrant) assemblies for installation in irrigation and potable-water systems.                                                   |





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