

Section No.	Section Title	Section Description
<b>DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS</b>		
000000	Procurement and Contracting Requirements	Outline Only: Single Document to specify procurement and Contract requirements. Includes topics covered in Division 00 Documents.
001116	Invitation to Bid	Private notice for selected bidders.
002113	Instructions to Bidders	Generic bid submission procedural requirements.
002113.11	Instructions to Bidders - AIA	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	Bid submission procedural requirements with EJCDC Contract forms. NOTE: SpecText files do not contain referenced EJCDC documents.
003100	Available Project Information	List and descriptions of geotechnical, topographic survey, existing conditions survey, and other reports.
004113	Bid Form - Stipulated Sum (Single-Prime Contract)	Generic lump-sum price Bid Form used with AIA, EJCDC, or other Contract forms. NOTE: SpecText files do not contain referenced AIA and EJCDC documents.
004143	Bid Form - Unit Price (Single-Prime Contract)	Generic unit price Bid Form used with AIA, EJCDC, or other Contract forms. NOTE: SpecText files do not contain referenced AIA and EJCDC documents.
004300	Procurement Form Supplements	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)	Incorporates AIA form as Contract agreement. NOTE: SpecText files do not contain referenced AIA documents.
005213.12	Agreement Form - EJCDC Stipulated Sum (Single-Prime Contract)	Incorporates EJCDC form as Contract agreement. NOTE: SpecText files do not contain referenced EJCDC documents.
005223.11	Agreement Form - AIA Construction Management (Single-Prime Contract)	Incorporates AIA construction management form as Contract agreement. NOTE: SpecText files do not contain referenced AIA documents.
007213.11	General Conditions - AIA Stipulated Sum (Single-Prime Contract)	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)	Incorporates EJCDC form as General Conditions. NOTE: SpecText files do not contain referenced EJCDC documents.
007223.11	General Conditions - AIA Construction Management (Single-Prime Contract)	Incorporates AIA construction management form as General Conditions. NOTE: SpecText files do not contain referenced AIA documents.
007313	Supplementary Conditions - AIA	Supplements to AIA standard general conditions. NOTE: SpecText files do not contain referenced AIA documents.
007314	Supplementary Conditions - EJCDC	Supplements to EJCDC standard general conditions. NOTE: SpecText files do not contain referenced EJCDC documents.
007315	Supplementary Conditions - AIA (Construction Management)	Supplements to AIA standard construction management general conditions. NOTE: SpecText files do not contain referenced AIA documents.
009113	Addenda	Form for preparing addenda.
<b>DIVISION 01 - GENERAL REQUIREMENTS</b>		
010000	General Requirements	Outline Only: Single section to specify general requirements. Includes topics covered in other Division 01 Sections.

Section No.	Section Title	Section Description
011000	Summary	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	Allowances, schedule of values, applications for payment, change procedures, defect assessment, unit prices, and alternates.
012500	Substitution Procedures	Product and installer substitution procedures.
013000	Administrative Requirements	Coordination, meetings, electrical characteristics, alterations, and special procedures.
013216	Construction Progress Schedule	Critical path method (CPM) schedules, bar chart schedules, submittals, review and evaluation, updating, and distribution.
013300	Submittal Procedures	Administrative and procedural requirements, product list and data, CAD files, Shop Drawings, samples, design data, reports, certificates, instructions, photographs, and reviews.
014000	Quality Requirements	Quality control, tolerances, references, labeling, mockups, testing and inspection, and manufacturer's field services.
015000	Temporary Facilities and Controls	Temporary utilities, construction facilities, and controls.
016000	Product Requirements	Product description, delivery, storage, handling, and product options.
017000	Execution and Closeout Requirements	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	Construction waste management plan, recycling, and adaptively reusing construction waste.
018113	Sustainable Design Requirements	Project goals, product requirements, and documentation to support LEED certification.
019100	Commissioning	Administrative and procedural requirements for commissioning selected systems.

### DIVISION 02 - EXISTING CONDITIONS

024300	Structure Moving	Relocation of entire structures or portions of structures. Also includes disconnecting and reconnecting utilities.
025700	Sinkhole Remediation	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	Patching and repair of damaged or deteriorated concrete, using cementitious and epoxy repair materials.
031000	Concrete Forming and Accessories	Form materials, water stops and accessories, as required to form cast-in-place concrete.
032000	Concrete Reinforcing	Reinforcing steel and supports for cast-in-place concrete.
033000	Cast-in-Place Concrete	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	Exposed architectural finishes on concrete surfaces, including final cleaning.
033713	Shotcrete	Pneumatically applied concrete for contoured earth surfaces or prepared forms.
033800	Post-Tensioned Concrete	On-Site post-tensioning of cast-in-place concrete structural building framing members and slabs.

Section No.	Section Title	Section Description
033900	Concrete Curing	Procedures for curing horizontal and vertical concrete surfaces.
034100	Precast Structural Concrete	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	Site-cast, load- or non-load-bearing, precast concrete wall panels, including panel insulation.
036000	Grouting	Portland-cement grout, rapid-curing epoxy grout, and non-shrink cementitious grout.

### DIVISION 04 - MASONRY

040513	Masonry Mortaring	Mortar for masonry Work, specified by property method or by proportion method.
--------	-------------------	--

### DIVISION 05 - METALS

055000	Metal Fabrications	Shop fabricated metal items of steel and aluminum.
055100	Metal Stairs	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	Pipe or tube railing system; aluminum or steel materials; custom fabricated or proprietary design.
055300	Metal Gratings	Metal and FRP bar gratings and floor plates for pedestrian or light vehicle loads.

### DIVISION 07 - THERMAL AND MOISTURE PROTECTION

071200	Built-Up Bituminous Waterproofing	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	Sheet waterproofing membranes of various types used in vertical and horizontal applications.
071400	Fluid-Applied Waterproofing	Liquid rubber, elastomeric, or other waterproofing compounds, hot or cold applied, used in vertical and horizontal applications.
071700	Bentonite Waterproofing	Manufactured waterproofing panel containing bentonite clay for below grade vertical and horizontal surfaces.
079000	Joint Protection	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	Preparing, priming, painting, staining, and applying finishes to scheduled surfaces, including mechanical, electrical, and equipment finishing.
099600	High-Performance Coatings	Fluid-applied coatings intended for applications requiring improved scrubability and durability, increased chemical resistance, or increased corrosion protection.

### DIVISION 10 - SPECIALTIES

107500	Flagpoles	Metal and glass-fiber flagpoles, primed for Site painting or prefinished, ground or building mounted, and with manual or electric operation.
--------	-----------	--

Section No.	Section Title	Section Description
<b>DIVISION 22 - PLUMBING</b>		
221429	Sump Pumps	Sump pumps for installation in sumps to pump effluent or drain water from structures and facilities.
<b>DIVISION 26 - ELECTRICAL</b>		
265600	Exterior Lighting	Exterior luminaries, poles, and accessories.
<b>DIVISION 31 - EARTHWORK</b>		
310513	Soils for Earthwork	Soil and subsoil materials intended to be referenced by other Sections, generally for fill and grading purposes.
310516	Aggregates for Earthwork	Coarse- and fine-aggregate materials intended to be referenced by other Sections, generally for fill and grading purposes.
310519.13	Geotextiles for Earthwork	Turf reinforcement mats (woven geotextiles) and nonwoven geotextiles materials.
310813	Pile Load Testing	Pile load-testing requirements intended to supplement piling Sections where testing is a project requirement.
U 311000	Site Clearing	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	Passive system to collect radon gas under basements and slabs-on-grade, and vent through roof to atmosphere.
U 312213	Rough Grading	Removal of topsoil, rough grading, filling, and compacting to contour the site in preparation for building excavation and other site work.
312316	Excavation	Excavating for building foundations, site structures, slabs-on-grade, pavement, and utilities within the building.
U 312316.13	Trenching	Trenching and backfilling for utilities outside of buildings, usually extending to utility service connections.
312316.26	Rock Removal	Removal of subsurface rock during excavation by mechanical or explosive methods.
312319	Dewatering	Temporary dewatering and surface water control systems for open excavations, trenches, tunnels, and drilled shafts.
312323	Fill	Backfilling for building foundations, site structures, slabs-on-grade, pavement, and utilities within the building.
312323.33	Flowable Fill	Lean concrete mix for backfill, bedding and subgrade site work.
312500	Erosion and Sedimentation Controls	Erosion and sedimentation control devices
313116	Termite Control	Chemical soil treatment to control subterranean termites and other insects.
U 313213.16	Cement Soil Stabilization	Treating existing site subsoil with cement, aggregate, and other additives for physical stability to support subsequent construction.
U 313213.19	Lime Soil Stabilization	Treating existing site subsoil with lime, aggregate, and other additives for physical stability to support subsequent construction.
313600	Gabions	Wire-mesh, stone-filled gabions and mattresses for earth retention or channel lining, including filters.
313716.13	Rubble-Stone Riprap	Riprap and rock lining placed loose for soil stabilization and slope protection.
313716.19	Sacked Sand-Cement Riprap	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.

Section No.	Section Title	Section Description
314116	Sheet Piling	Sheet piling for retaining walls, weirs, caissons, cofferdams, and bulkheads.
316213.23	Prestressed Concrete Piles	Driven prestressed precast concrete piles, with or without steel points.
316216	Steel Piles	Driven H-section steel piles, with protective coating.
316219	Timber Piles	Driven timber piles, with or without preservative treatment.
316223	Composite Piles	Cast-in-place concrete filled steel pipe piles, end bearing type.
316300	Bored Piles	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	Hollow auger bored shaft with cast-in-place concrete grout pressure injected, end bearing type.
316329	Drilled Concrete Piers and Shafts	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	Mechanically stabilized earth walls for earth retaining structures

### DIVISION 32 - EXTERIOR IMPROVEMENTS

320116	Flexible Paving Rehabilitation	Milling, or heating and removing, reciting, and replacing existing asphaltic concrete, with or without a top seal coat.
320126	Rigid Paving Rehabilitation	Preparation of existing concrete pavement surfaces for subsequent asphalt or concrete pavements.
320513	Soils for Exterior Improvements	Soil and subsoil materials referenced by other sections for fill and grading purposes.
320516	Aggregates for Exterior Improvements	Aggregate materials referenced by other exterior improvements sections for fill and grading purposes.
321123	Aggregate Base Courses	Aggregate subbase and base course for placement under asphalt or concrete pavement, or placed and left exposed.
321216	Asphalt Paving	Conventional (Marshall) and superpave asphalt paving for roads, parking areas, or sidewalks.
321313	Concrete Paving	Concrete pavement for roads, parking areas, sidewalks, median barriers, integral curbs, gutters.
321413	Precast Concrete Unit Paving	Precast concrete paver units of interlocking or butt edge design, laid dry on sand bed.
321416	Brick Unit Paving	Clay brick pavers set into sand, bituminous or mortar bed, on an aggregate or paved base.
321423	Asphalt Unit Paving	Manufactured fibered asphalt block or plank pavers, on a paved base.
321440	Stone Paving	Marble, granite, or slate stone pavers, laid dry on sand or placed on mortar bed.
321623	Sidewalks	Concrete paving for sidewalks.
321713	Parking Bumpers	Precast concrete or timber parking bumpers
321723	Pavement Markings	Painted pavement markings, lines, and legends for bituminous concrete and portland cement concrete roads and parking areas.
321726	Tactile Warning Surfacing	ADA-compliant tactile warning surfacing, suitable for surface or cast-in-place installation in concrete and asphalt.
323113	Chain Link Fences and Gates	Chain link fences of zinc coated steel, aluminum coated steel, and vinyl coated steel.
323223	Segmental Retaining Walls	Manufactured modular wall for landscaping, erosion control, and other transportation, site or waterfront applications.

Section No.	Section Title	Section Description
323243	Soldier-Beam Retaining Walls	Soldier beam walls for earth retention
323313	Site Bicycle Racks	Bicycle racks and simple shelters.
323314	Bicycle Lockers	Secure bicycle shelters for storage of bicycles.
328400	Planting Irrigation	Piped underground irrigation systems with piping, sprinkler heads, valves, and controls.
329113	Soil Preparation	Preparation of subsoil and topsoil placement.
329119	Landscape Grading	Placing, leveling, and compacting topsoil materials prior to final landscaping
329219	Seeding	Seeding of grassed areas. Also includes subsoil and topsoil preparation
329223	Sodding	Installation of sod and maintenance until acceptance, including preparation of subsoil and topsoil placement.
329300	Plants	Interior and exterior landscaping including trees, plants, and ground cover. Also includes subsoil and topsoil preparation.

### DIVISION 33 - UTILITIES

330110.58	Disinfection of Water Utility Piping Systems	Disinfection of domestic water services associated with site services and utility supply systems.
330110.59	Disinfection of Water Utility Storage Tanks	Methods of disinfecting water storage tanks for potable water.
330130.11	Television Inspection of Sewers	Television inspection of pipeline and associated preparatory Work.
330130.61	Packer Injection Grouting	Grout sealing of sewer pipe joints and cleaning, plugging, and grout sealing of defective manholes.
330130.72	Cured-in-Place Pipe Lining	Relining of sanitary sewer piping and associated preparatory work.
330130.79	Fold-and-Form Pipe Lining	Relining of sanitary sewer piping and associated preparatory work.
330130.86	Manhole Rim Adjustment	Manhole cover grade adjustment and cover replacement.
330150.56	Cleaning of Hydrocarbon Storage Tanks	Methods of cleaning fuel-storage tanks to remove residual fuels, sludge, and scale.
330505.31	Hydrostatic Testing	Hydrostatic testing of pressurized piping and connected appurtenances such as valves.
330505.33	Infiltration and Exfiltration Testing	Infiltration and exfiltration testing of gravity sewer piping and manholes.
330505.36	Vacuum Testing	Vacuum testing of gravity sewer manholes.
330505.41	Air Testing	Low-pressure air testing of gravity sewer piping.
330505.43	Mandrel Testing	Mandrel testing of plastic gravity sewer piping.
330507	Trenchless Installation of Utility Piping	Pipe jacking and tunnel excavation, casing pipes and tunnel liners, secondary inverts, carrier pipes, and ducts for installation of distribution facilities.
U 330507.13	Utility Directional Drilling	Horizontal directional drilling for installation of distribution facilities.
330507.36	Microtunneling	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	Tied joint restraint systems used to anchor and resist forces developed in underground closed pipeline systems.
330561	Concrete Manholes	Cast-in-place precast concrete and masonry manholes to access subsurface drainage and sewerage piping.
330563	Concrete Vaults and Chambers	Precast concrete utility vaults and chambers, with frames and covers, used for subsurface drainage collection, sewage collection, and water distribution systems.

Section No.	Section Title	Section Description
330573	Polyethylene Manholes	PE manholes, rims, and covers used in gravity piping systems used to transport corrosive wastewater or chemicals.
330576	Fiberglass Manholes	Fiberglass manholes, rims, and covers used in gravity piping systems to transport corrosive wastewater or chemicals.
330577	Fiberglass Metering Manholes	Packaged fiberglass metering manholes used for installation of flumes.
330597	Identification and Signage for Utilities	Pipeline marker posts, metal and plastic utility markers, marking flags, plastic ribbon tape, and trace wire.
331100	Groundwater Sources	Drilling of public supply water wells, including casing and grouting, pump, and accessories.
331113	Potable Water Supply Wells	Water well drilling, casing and grouting, pump, and accessories used for small residential or commercial domestic water wells.
331413	Public Water Utility Distribution Piping	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	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	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	Fire hydrants and valves used for installation in water mains.
331616	Multi-Column Elevated Steel Water Storage Tanks	Design, fabrication, and erection of welded steel elevated water tank.
331636	Ground-Level Reinforced Concrete Water Storage Tanks	Design, fabrication, and erection of site precast, prestressed concrete water storage tanks.
331900	Water Utility Metering Equipment	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	Drilling, grouting, excavation, backfill, piping, valves, and accessories for wells used in geothermal heat pump systems.
333100	Sanitary Sewerage Piping	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	Pipe materials, manholes, and accessories for public gravity sanitary sewers.
333123	Sanitary Sewerage Force Main Piping	Pipe materials and accessories used for municipal sanitary sewerage force mains.
333126	Sanitary Pressure Sewer Piping	Pipe materials and accessories used for low-pressure sanitary sewage collection systems where on-lot grinder pumps are used to convey domestic sewage.
U 333211	Field-Erected Wastewater Pumping Stations	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	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	On-lot, submersible, centrifugal and progressing-cavity sewage grinder pumping units.
333219	Septic Tank Effluent Pumps	Septic tank effluent pump units for low-pressure septic tank effluent pumping (STEP) systems.

Section No.	Section Title	Section Description
333413.13	Concrete Septic Tanks	Materials and installation requirements for concrete septic tanks.
333413.23	Fiberglass Septic Tanks	Materials and installation requirements for fiberglass (FRP) septic tanks.
333413.33	Polyethylene Septic Tanks	Materials and installation requirements for high-density polyethylene (HDPE) septic tanks.
333451	Drainage Field System	Materials and installation requirements for drainage fields (leach fields) used to further treat effluent from septic tanks.
333453	Distribution Chambers	Materials and installation requirements for distribution chambers used to divert septic tank effluent to drainage fields.
334113	Foundation Drainage	Weep tile drainage system including piping, aggregate and filter fabric for building perimeter.
334119	Underslab Drainage	Weep tile drainage system including piping, aggregate and filter fabric for under slabs-on-grade.
334200	Stormwater Conveyance	Gravity storm drain piping from building to municipal utility or other discharge system, and gravity storm drainage of paved and landscaped Site areas.
334213	Stormwater Culverts	Corrugated-steel, aluminum, concrete, PE, PVC pipe culverts, and concrete box sections.
334236	Stormwater Trench Drains	Trench drains and accessories.
335213	Liquid Hydrocarbon Piping	Factory-insulated piping for use with oil distribution systems in below-ground applications.
336100	Hydronic Energy Distribution	Factory-insulated piping for use with hydronic distribution systems in below-ground applications.
336300	Steam Energy Distribution	Factory-insulated piping for use with steam distribution systems in below-ground applications.

### DIVISION 34 - TRANSPORTATION

347113	Vehicle Barriers	Formed steel guard rail on steel or timber posts for vehicular traffic control.
--------	------------------	---

### DIVISION 40 - PROCESS INTERCONNECTIONS

400539.13	Concrete Pressure Water Pipe	Concrete pipe materials and appurtenances normally encountered with pressurized-water piping in a water-treatment plant.
400539.23	Concrete Gravity and Drainage Process Pipe	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	Non-freeze yard hydrant (also referred to as post hydrant) assemblies for installation in irrigation and potable-water systems.

MasterFormat® is produced jointly by The Construction Specifications Institute (CSI) and Construction Specifications Canada (CSC). U.S. copyright is held by CSI and Canadian copyright by CSC. All Rights Reserved. For more information on MasterFormat visit [www.MasterFormat.com](http://www.MasterFormat.com)