

Index

DIVISIONS	
Division 1	General Requirements
Division 2	Earthworks
Division 3	Aggregate
Division 4	Asphaltic Materials
Division 5	Metals
Division 6	Concrete
Division 7	Pavement Markings
Division 8	Water & Sewer
Division 10	Specialties
Division 12	Traffic Signals
Division 13	Landscaping
Division 14	Shallow Buried Utilities
Division 15	Construction Materials
Drawings	Drawings

DIVISION 1 - GENERAL REQUIREMENTS		
Section 01010	Project Control	01010_Jan04_2005.pdf
Section 01015	Shop Drawings, Product Data, Samples	01015_Jan04_2005.pdf
Section 01020	Testing Laboratory Services	01020_Jan04_2005.pdf
Section 01025	Temporary Facilities	01025_Jan04_2005.pdf
Section 01030	Safety Requirements	01030_Jan04_2005.pdf
Section 01035	Environmental Protection	01035_Jan04_2005.pdf
Section 01040	Cleaning	01040_Jan04_2005.pdf
Section 01045	Products/Workmanship	01045_Jan04_2005.pdf
Section 01050	Project Record Documents	01050_Jan04_2005.pdf

DIVISION 2 - EARTHWORKS		
Section 02005	Excavation and Embankment Construction	02005_Dec22_2009.pdf
Section 02010	Area Grading	02010_Dec22_2009.pdf
Section 02015	Sub-grade Compaction	02015_Dec22_2009.pdf

Section 02055	Construction of Earth Streets and Lanes	02055 Dec22 2009.pdf
Section 02060	Grade Construction for Sidewalks, Curbs and Gutters	02060 Dec22 2009.pdf

DIVISION 3 - AGGREGATE		
Section 03001	Supply of Aggregates	03001 Dec22 2009.pdf
Section 03005	Granular Base Course	03005 Dec22 2009.pdf
Section 03010	Granular Sub-base Course	03010 Dec22 2009.pdf
Section 03015	Stockpiling Aggregates	03015 Jan04 2005.pdf
Section 03020	Testing and Inspection	03020 Jan04 2005.pdf
Section 03050	Hand Placed, Grouted and Random Riprap	03050 Jan04 2005.pdf

DIVISION 4 - ASPHALTIC MATERIALS		
Section 04000	Rubberized Asphalt Crack Sealing	04000 Dec22 2009.pdf
Section 04005	Bituminous Binder	04005 Dec22 2009.pdf
Section 04010	Asphalt Mix	04010 Mar08 2011.pdf
Section 04015	Asphalt Concrete	04015 Dec22 2009.pdf
Section 04025	Asphalt Prime, Tack and Flush Coat	04025 Dec22 2009.pdf
Section 04030	Slurry Seal Coat	04030 Jan04 2005.pdf
Section 04040	Supply of Asphalt Mix	04040 Jan04 2005.pdf
Section 04050	Cold Mix Asphalt	04050 Jan04 2005.pdf
Section 04060	Asphalt Patching	04060 Dec22 2009.pdf

DIVISION 5 - METALS		
Section 05015	Chain Link Fencing	05015 Jan04 2005.pdf
Section 05025	Deck Drains	05025 Jan04 2005.pdf

DIVISION 6 - CONCRETE		
Section 06005	Ready Mixed Concrete	06005 Dec22 2009.pdf
Section 06010	Concrete Sidewalk, Curb and Gutter Construction	06010 Dec22 2009.pdf
Section 06015	Supply of Ready Mixed Concrete	06015 Jan04 2005.pdf
Section 06020	Plain and Reinforced Concrete	06020 Jan04 2005.pdf
Section 06025	Curing Compound	06025 Jan04 2005.pdf

Section 06030	Unit Paving	06030 Dec22 2009.pdf
Section 06040	Cast in Place Overhead Sign Bases	06040 Jan04 2005.pdf
Section 06041	Cast in Place Overhead Sign Bases (Pile Type)	06041 Jan04 2005.pdf
Section 06050	Precast Concrete Barriers	06050 Jan04 2005.pdf
Section 06051	Precast Concrete Curbing	06051 Jan04 2005.pdf
Section 06060	Pressurized Grout Injection	06060 Dec06 2006.pdf
Section 06070	Streetscape	06070 Dec22 2009.pdf
Section 06080	Concrete Curb and Sidewalk Repairs	06080 Dec22 2009.pdf

DIVISION 7 - PAVEMENT MARKINGS		
Section 07005	Chlorinated Rubber Traffic Paint	07005 Jan04 2005.pdf
Section 07010	"Drop On" Glass Beads for Pavement Markings	07010 Jan04 2005.pdf
Section 07015	Hot Applied Traffic Paint	07015 Jan04 2005.pdf
Section 07020	Hot Applied Plastic Pavement Markings	07020 Mar23 2007.pdf
Section 07030	Cold Plastic Pavement Markings	07030 Jan04 2005.pdf
Section 07040	Thermoplastic Pavement Markings	07040 Mar23 2007.pdf
Section 07050	Fast Dry Paint	07050 Dec22 2010.pdf

DIVISION 8 - WATER & SEWER		
Section 08000	Construction Materials – General	08000 Dec22 2009.pdf
Section 08001	Construction Materials – Water Mains	08001 Dec22 2009.pdf
Section 08002	Construction Materials – Sewer Mains	08002 Jan05 2012.pdf
Section 08003	Construction Materials – Service Connections	08003 Mar08 2011.pdf
Section 08010	Gravity Storm and Sanitary Sewer Construction	08010 Jan05 2012.pdf
Section 08015	Sewers Constructed in Tunnels	08015 Dec06 2006.pdf
Section 08020	Catch Basin Construction	08020 Dec22 2010.pdf
Section 08025	Water and Sewer Connection Construction	08025 Dec22 2009.pdf
Section 08030	Water Main Construction	08030 Jan05 2012.pdf
Section 08040	Storm Sewers and Culverts	08040 Dec06 2006.pdf
Section 08045	Gravity Storm & Sanitary Sewer Lining	08045 Jan04 2005.pdf
Section 08125	T.V. Camera Sewer Main Inspections	08125 Jan04 2005.pdf

DIVISION 10 - SPECIALTIES		
Section 10000	Bearings	10000_Jan04_2005.pdf
Section 10005	Access Hole Installation	10005_Dec06_2006.pdf
Section 10010	Stationary Truck Scale	10010_Dec06_2006.pdf

DIVISION 12 – TRAFFIC SIGNALS		
Section 12600	Traffic Signal Underground Installation	12600_Mar16_2011.pdf

DIVISION 13 - LANDSCAPING		
Section 13050	Removal of Selected Trees and Hedges	13050_Jan05_2012.pdf
Section 13055	Boulevard Construction	13055_Dec22_2009.pdf
Section 13060	Automatic Irrigation System	13060_Dec06_2006.pdf
Section 13080	Street Trees – Plant Material	13080_Jan05_2012.pdf
Section 13095	Bench Slab and Pad Installation	13095_Jan04_2005.pdf
Section 13100	Soft Landscaping	13100_Jan05_2012.pdf
Section 13200	Maintenance	13200_Jan05_2012.pdf
Section 13400	Topsoil	13400_Jan04_2005.pdf
Section 13500	Fine Grading and Seeding	13500_Jan04_2005.pdf

DIVISION 14 - SHALLOW BURIED UTILITIES		
Section 14001	Roadway Restoration for Shallow Buried Utility Construction	14001_Jan05_2012.pdf

DIVISION 15 – CONSTRUCTION MATERIALS		
Section 15001	Construction Materials – Water Mains	15001_Mar08_2011.pdf
Section 15002	Construction Materials – Water Service Connections	15002_Dec22_2009.pdf
Section 15003	Construction Materials – Sewer Mains	15003_Mar08_2011.pdf
Section 15004	Construction Materials – Sewer Service Connections	15004_Dec22_2009.pdf
Section 15005	Construction Materials – Corrosion Protection	15005_Dec22_2009.pdf

Drawing Index		
Drawing Index	Index of Drawings Listed Below	Drawing Index Jan05 2012.pdf

Boulevards		
102-0001-001r001	Standard Ditch Crossing Requirements	102-0001-001r001 Jan04 2005.pdf
102-0001-002r001	Cross Section VCG & Separate Sidewalk Construction Details	102-0001-002r001 Mar02 2006.pdf
102-0001-003r001	Typical Tree & Utility Placement In Boulevards	102-0001-003r001 Mar02 2006.pdf

Curbs & Walks		
102-0002-001r001	Full Heights Curbs and Gutters	102-0002-001r001 Jan04 2005.pdf
102-0002-002r001	Curb on Asphalt	102-0002-002r001 Jan04 2005.pdf
102-0002-003r001	Separate Dropped Curb Crossings	102-0002-003r001 Jan04 2005.pdf
102-0002-004r001	810mm Concrete Barrier Curb	102-0002-004r001 Jan04 2005.pdf
102-0002-005r001	Separate Vertical Curb	102-0002-005r001 Jan04 2005.pdf
102-0002-006r002	Crossing – Walk, 150mm Vertical Curb and Gutter	102-0002-006r002 Dec22 2009.pdf
102-0002-007r002	Crossing – Walk, 200mm Vertical Curb and Gutter	102-0002-007r002 Dec22 2009.pdf
102-0002-008r002	Crossing – Walk & 150mm Vertical Curb	102-0002-008r002 Dec22 2009.pdf
102-0002-009r002	Crossing – Walk & 200mm Vertical Curb	102-0002-009r002 Dec22 2009.pdf
102-0002-010r001	Crossing – Separate Walk & Vertical Curb and Gutter	102-0002-010r001 Jan04 2005.pdf
102-0002-011r001	Dropped Curb Crossing – Separate Walk, Vertical Curb	102-0002-011r001 Jan04 2005.pdf
102-0002-012r001	Crossing – Rolled Curb, Gutter & Walk	102-0002-012r001 Jan04 2005.pdf
102-0002-013r001	Curb Return Crossing – Separate Walk, Vertical Curb	102-0002-013r001 Jan04 2005.pdf
102-0002-014r001	Directional Crossing, Walk and Vertical Curb	102-0002-014r001 Jan04 2005.pdf
102-0002-015r001	Directional Crossing, Separate Curb & Walk	102-0002-015r001 Jan04 2005.pdf
102-0002-016r001	Location of Corner Directional Crossings	102-0002-016r001 Jan04 2005.pdf
102-0002-017r001	Typical Driveway Curb Detail – Isometric View	102-0002-017r001 Jan04 2005.pdf
102-0002-018r001	Grade Construction for Curb and Gutter	102-0002-018r001 Jan04 2005.pdf
102-0002-019r001	Grade Construction for Sidewalk, Curb and Gutter	102-0002-019r001 Jan04 2005.pdf
102-0002-020r001	Grade Construction for Walkway and Sidewalk	102-0002-020r001 Jan04 2005.pdf
102-0002-021r001	Control Joints	102-0002-021r001 Jan04 2005.pdf
102-0002-022r001	Dowel/Control Joint Location and Spacing	102-0002-022r001 Jan04 2005.pdf
102-0002-023r001	Sidewalk Ramp Details	102-0002-023r001 Jan04 2005.pdf

102-0002-024r001	Ramp Locations at a T – Intersection	102-0002-024r001_Jan04_2005.pdf
102-0002-025r001	Sidewalk Ramps in High Pedestrian Areas, Texture Details	102-0002-025r001_Jan04_2005.pdf
102-0002-026r001	Sidewalk Ramps – Texture Details	102-0002-026r001_Jan04_2005.pdf
102-0002-027r001	Sidewalk Ramp Section, Rolled Curb	102-0002-027r001_Jan04_2005.pdf
102-0002-028r001	Transition, Typical Sidewalk	102-0002-028r001_Jan04_2005.pdf
102-0002-029r001	Combined Walk, Vertical Curb & Gutter	102-0002-029r001_Jan04_2005.pdf
102-0002-030r001	Walk, Rolled Curb & Gutter	102-0002-030r001_Jan04_2005.pdf
102-0002-031r001	Separate Walk	102-0002-031r001_Jan04_2005.pdf
102-0002-032r001	Concrete Walkway	102-0002-032r001_Jan04_2005.pdf
102-0002-033r001	Combined Walk & Vertical Curb	102-0002-033r001_Jan04_2005.pdf
102-0002-034r001	Asphalt Pathway	102-0002-034r001_Jan04_2005.pdf
102-0002-035r001	Precast Concrete Curb	102-0002-035r001_Jan04_2005.pdf
102-0002-036r001	Reversed Curb and Gutter Detail	102-0002-036r001_Jan04_2005.pdf
102-0002-037r001	Reversed Curb and Gutter Detail	102-0002-037r001_Jan04_2005.pdf
102-0002-038r001	Concrete Placement Rate of Moisture Loss Chart	102-0002-038r001_Jan04_2005.pdf
102-0002-039r001	Separate Sidewalk Irrigation Sleeve	102-0002-039r001_Jan04_2005.pdf
102-0002-040r001	Separate Sidewalk Bus Stop Detail	102-0002-040r001_Jan04_2005.pdf
102-0002-041r001	Perpendicular Separate Sidewalk Ramp Details	102-0002-041r001_Jan04_2005.pdf
102-0002-043r001	Pre-Cast Concrete Barriers Bullnose Male, Bullnose Female, Low Barrier	102-0002-043r001_Mar02_2006.pdf
102-0002-044r001	Pre-Cast Concrete Barriers Transition Barrier	102-0002-044r001_Mar02_2006.pdf
102-0002-045r001	Pre-Cast Concrete Barriers Median Barrier Male	102-0002-045r001_Mar02_2006.pdf
102-0002-046r001	Pre-Cast Concrete Barriers Median Barrier Female	102-0002-046r001_Mar02_2006.pdf
102-0002-047r001	Pre-Cast Concrete Barriers Pier Barrier Male, Pier Barrier Female	102-0002-047r001_Mar02_2006.pdf
102-0002-049r001	Gutter Patch Paving	102-0002-049r001_Dec22_2009.pdf
102-0002-052r001	3.0m Multi-Use Pathway Ramp Configurations	102-0002-052r001_Dec22_2010.pdf
102-0002-054r001	2500 Separate Walkway Concrete	102-0002-054r001_Jan05_2012.pdf
102-0002-055r001	3000 Multi-Use Pathway Asphalt	102-0002-055r001_Jan05_2012.pdf

Landscape		
102-0004-001r001	Chain Link Fence Details – 1.8m Fence	102-0004-001r001_Jan04_2005.pdf
102-0004-002r001	Chain Link Fence Details – 1.2m Fence	102-0004-002r001_Jan04_2005.pdf
102-0004-003r001	Chain Link Fence Details – Gate Detail	102-0004-003r001_Jan04_2005.pdf

102-0004-005r001	Chain Link Fence Type A	102-0004-005r001_Jan04_2005.pdf
102-0004-006r001	Chain Link Fence Type A	102-0004-006r001_Jan04_2005.pdf

Lanes		
102-0005-001r001	Lane Gravelling Typ. Lane Cross Section	102-0005-001r001_Jan04_2005.pdf
102-0005-002r001	Lane, Paved - Typical Lane Cross Section	102-0005-002r001_Dec22_2010.pdf
102-0005-003r001	Residential Lane Dead-End Turnaround T-Type: Large Car	102-0005-003r001_Dec22_2010.pdf
102-0005-004r001	Residential Lane Dead-End Turnaround T-Type: Light Single Unit	102-0005-004r001_Dec22_2010.pdf
102-0005-005r001	Commercial Lane Dead-End Turnaround T-Type: Medium Single Unit	102-0005-005r001_Dec22_2010.pdf
102-0005-006r001	Residential Lane Dead-End Turnaround L-Type: Large Car	102-0005-006r001_Dec22_2010.pdf

Medians		
102-0006-001r001	Splash Apron	102-0006-001r001_Jan04_2005.pdf
102-0006-002r001	Mountable Median Tip	102-0006-002r001_Jan04_2005.pdf
102-0006-003r001	Median Ramp	102-0006-003r001_Jan04_2005.pdf
102-0006-005r001	830 Median Barrier	102-0006-005r001_Mar08_2011.pdf

Shallow Buried Utilities		
102-0007-001r004	Utilities Placement Standards	102-0007-001r004_Mar05_2007.pdf
102-0007-002r004	Utilities Placement Standards	102-0007-002r004_Mar05_2007.pdf
102-0007-003r004	Utilities Placement Standards	102-0007-003r004_Mar05_2007.pdf
102-0007-005r002	Utilities Placement Standards	102-0007-005r002_Jan04_2005.pdf
102-0007-006r001	Typical Roadway Crossing Electrical Sleeve	102-0007-006r001_Jan04_2005.pdf
102-0007-007r001	Typical Roadway Crossing Irrigation Sleeve	102-0007-007r001_Jan04_2005.pdf

Streets		
102-0008-001r001	Rubberized Asphalt Crack Sealant – Cross Section	102-0008-001r001_Jan04_2005.pdf
102-0008-002r001	Speed Hump Cross Sections	102-0008-002r001_Jan29_2008.pdf

Surveying		
102-0009-001r001	Specifications for Survey Stakes	102-0009-001r001_Jan04_2005.pdf
102-0009-002r001	Survey Tablet Marker Type 1	102-0009-002r001_Jan04_2005.pdf
102-0009-003r001	COS Survey Marker	102-0009-003r001_Mar02_2006.pdf
102-0009-004r001	COS Survey Marker Casing	102-0009-004r001_Mar02_2006.pdf
102-0009-005r001	COS Survey Marker Installation	102-0009-005r001_Mar02_2006.pdf

Catch Basins		
102-0010-002r001	Storm Drainage Catch Basin for Tandem Installation	102-0010-002r001_Jan04_2005.pdf
102-0010-003r001	500mm Round Catch Basin Frame and Cover	102-0010-003r001_Jan04_2005.pdf
102-0010-004r001	Catch Basin Frame and Cover Surface Inlet Model	102-0010-004r001_Jan04_2005.pdf
102-0010-005r001	Catch Basin Frame and Cover Curb Inlet Model	102-0010-005r001_Jan04_2005.pdf
102-0010-006r002	Rolled Curb Catch Basin	102-0010-006r002_Jan04_2005.pdf
102-0010-007r001	Precast Reinforced Round Catch Basin	102-0010-007r001_Jan04_2005.pdf
102-0010-009r003	Installation of Catch Basin Lead for Sidewalk Const	102-0010-009r003_Dec22_2009.pdf
102-0010-010r002	Hamilton Kent Pipe to Manhole Connector Specification Sheet	102-0010-010r002_Jan04_2005.pdf
102-0010-012r001	Typical Catch Basin Conversion at Driveway or Crossing	102-0010-012r001_Jan04_2005.pdf
102-0010-013r002	Curb Inlet Risers for Catchbasin Frame and Cover	102-0010-013r002_Jan04_2005.pdf
102-0010-014r001	Curb Inlet Catch Basin Frame and Cover	102-0010-014r001_Jan29_2008.pdf

Manholes		
102-0011-001r002	Manhole Safety Platform	102-0011-001r002_Jan23_2007.pdf
102-0011-003r003	Standard Manhole for Large Sewers Not To Be Used on Manholes Over 6 Meters Deep	102-0011-003r003_Jan23_2007.pdf
102-0011-004r004	Non-Standard 1050mm Manhole for 200mm to 525mm Sanitary Sewers	102-0011-004r004_Jan05_2012.pdf
102-0011-005r006	Standard 1200mm Manhole for 200mm to 600mm Sanitary Sewers With Drop Structure	102-0011-005r006_Jan05_2012.pdf
102-0011-006r005	Standard 1200mm Manhole for 675mm to 900mm Sewers	102-0011-006r005_Jan05_2012.pdf
102-0011-007r002	Circular Pipe Beddings	102-0011-007r002_Jan04_2005.pdf
102-0011-008r002	Drop Structure Manhole for Connection to Trunk Storm Sewers	102-0011-008r002_Jan23_2007.pdf
102-0011-009r002	Standard 1200mm Manhole for 200mm to 600mm Sewers	102-0011-009r002_Jan05_2012.pdf

102-0011-012r001	Concrete Manhole Collars	102-0011-012r001_Jan04_2005.pdf
102-0011-013r001	Lifter Ring Details	102-0011-013r001_Jan04_2005.pdf
102-0011-014r001	Rubber Manhole Adjustment Riser	102-0011-014r001_Jan04_2005.pdf
102-0011-016r001	Manhole Rehabilitation Where Thickness of Concrete Below Invert Exceeds 125mm	102-0011-016r001_Jan04_2005.pdf
102-0011-017r001	Manhole Rehabilitation Where Thickness of Concrete Below Invert Does Not Exceed 125mm	102-0011-017r001_Jan04_2005.pdf
102-0011-018r002	Sewer Force Main Inspection Manhole	102-0011-018r002_Jan23_2007.pdf
102-0011-019r002	Standard Lockable COS Manhole Frame & Cover For Public Properties	102-0011-019r002_Dec06_2006.pdf
102-0011-020r002	Lock Wing & Spacers For Standard COS Manhole Covers	102-0011-020r002_Dec06_2006.pdf
102-0011-021r002	Standard Lockable COS Manhole Frame & Cover for Private Properties	102-0011-021r002_Dec06_2006.pdf
102-0011-022r001	TF-48 Beehive Grate	102-0011-022r001_Jan29_2008.pdf
102-0011-023r001	TF-48 Beehive Frame	102-0011-023r001_Jan29_2008.pdf
102-0011-024r002	Sanitary Sewer Manhole Drop Structure Between High Line and Low Line	102-0011-024r002_Jan05_2012.pdf
102-0011-025r001	TF-101 Beehive Frame	102-0011-025r001_Dec23_2008.pdf
102-0011-026r001	TF-101 Beehive Grate	102-0011-026r001_Dec23_2008.pdf

Watermains		
102-0012-001r004	Copper Dead End Water Main Flusher	102-0012-001r004_Jan05_2012.pdf
102-0012-002r002	Reaction Blocking and Water Main Anchoring	102-0012-002r002_Dec22_2010.pdf
102-0012-003r003	Fire Hydrant Standard Installation	102-0012-003r003_Jan05_2012.pdf
102-0012-004r002	Square Hydrant Guard	102-0012-004r002_Dec23_2008.pdf
102-0012-005r001	Pumped Drain Structure	102-0012-005r001_Jan04_2005.pdf
102-0012-006r002	Manual Air Release C301/303 Pipe	102-0012-006r002_Apr05_2007.pdf
102-0012-007r002	Typical Pipe Insulation	102-0012-007r002_Jan04_2005.pdf
102-0012-009r001	Welded Type Tapping Saddle for Large Diameter Steel Watermains	102-0012-009r001_Jan04_2005.pdf
102-0012-010r003	Valve Anchoring Details for 300mm & Larger Valves	102-0012-010r003_Dec22_2010.pdf
102-0012-011r001	Manual Air Release C905 Pipe	102-0012-011r001_Apr05_2007.pdf
102-0012-012r001	Circular Hydrant Guard	102-0012-012r001_Dec23_2008.pdf
102-0012-013r001	Water Circulator Service Connection	102-0012-013r001_Dec22_2009.pdf
102-0012-014r002	Polyethylene Dead End Water Main Flusher	102-0012-014r002_Jan05_2012.pdf

Service Connections		
102-0013-001r004	Typ. Sewer & Polyethylene Water Service Connection	102-0013-001r004_Dec22_2009.pdf
102-0013-002r004	Typ. Sewer & Copper Water Service Connection	102-0013-002r004_Dec22_2009.pdf
102-0013-003r001	Typical Duplex Water & Sewer Service Connection	102-0013-003r001_Jan04_2005.pdf
102-0013-004r002	Interior Drop Structure at Sanitary Sewer Manhole	102-0013-004r002_Jan05_2012.pdf
102-0013-005r001	Typical Sewer Service Cleanout	102-0013-005r001_Jan04_2005.pdf
102-0013-007r001	Typical Sewer Tapping	102-0013-007r001_Jan04_2005.pdf
102-0013-008r001	PVC Service Connection Riser Assembly	102-0013-008r001_Jan04_2005.pdf
102-0013-009r001	100mm Water Service Seasonal Connection	102-0013-009r001_Jan04_2005.pdf
102-0013-010r001	50mm Water Service Seasonal Connection	102-0013-010r001_Jan04_2005.pdf
102-0013-011r005	Standard Curb Box	102-0013-011r005_Mar08_2011.pdf
102-0013-012r004	Curb Box Cap	102-0013-012r004_Dec22_2010.pdf
102-0013-013r002	15mm Spindle Details	102-0013-013r002_Mar08_2011.pdf
102-0013-015r002	19mm Spindle Details	102-0013-015r002_Mar08_2011.pdf
102-0013-016r001	PVC Service Connection Vertical Riser Assembly (Reconstruction Only)	102-0013-016r001_Dec22_2009.pdf

Cathodic Protection		
102-0014-001r001	Multiple Impressed Current Anode Ground Bed Vertical	102-0014-001r001_Jan04_2005.pdf
102-0014-002r001	Multiple Impressed Current Anode Ground Bed Horizontal	102-0014-002r001_Jan04_2005.pdf

Parking		
102-0015-001r002	Type 1 Parking Meter Installation	102-0015-001r002_Dec23_2008.pdf
102-0015-002r002	Type 2 Parking Meter Installation	102-0015-002r002_Mar02_2006.pdf
102-0015-003r002	Type 3 Parking Meter Installation	102-0015-003r002_Dec23_2008.pdf

Traffic Signals		
102-0016-019r004	Traffic Signal Conduit Junction Box Installation	102-0016-019r004_Mar16_2011.pdf
102-0016-020r004	Specifications for Pre-Cast Traffic Signal Pole Base	102-0016-020r004_Mar16_2011.pdf
102-0016-021r001	Specifications for Traffic Signal Corridor Pole	102-0016-021r001_Mar16_2011.pdf
102-0016-022r002	Combination Street Light and Traffic Signal Pole	102-0016-022r002_Mar16_2011.pdf
102-0016-023r001	Specifications for Traffic Signal Arms	102-0016-023r001_Mar16_2011.pdf

102-0016-025r001	Specifications for Hand Hole Assembly	102-0016-025r001_Mar16_2011.pdf
102-0016-029r001	Pre-Cast Pole Base Installation Details	102-0016-029r001_Mar16_2011.pdf
102-0016-032r001	Trenching Installation Details	102-0016-032r001_Mar16_2011.pdf
102-0016-033r003	Cast-In-Place Cabinet Base in Natural Ground Details	102-0016-033r003_Jan05_2012.pdf
102-0016-034r002	Service Pedestal Installation Details	102-0016-034r002_Mar16_2011.pdf
102-0016-039r001	Cast-In-Place Cabinet Base in Sidewalk Details	102-0016-039r001_Mar16_2011.pdf

Signage		
102-0017-010r003	Adapter Plate for Roadside Guidesign	102-0017-010r003_Jan04_2005.pdf
102-0017-011r001	Concrete Base for Roadside Guidesign	102-0017-011r001_Jan04_2005.pdf
102-0017-012r003	I-Beam for Roadside Guidesign	102-0017-012r003_Jan04_2005.pdf
102-0017-013r002	Bolt Assembly I-Beam to Adapter Plate for Ground Mounted Signs	102-0017-013r002_Dec06_2006.pdf
102-0017-015r001	I-Beam for Median Guidesign	102-0017-015r001_Jan04_2005.pdf
102-0017-016r001	Pavement Marking Test Section Sign Details	102-0017-016r001_Jan04_2005.pdf
102-0017-017r001	Advance Warning Flasher Structure Pile and Anchor Bolt	102-0017-017r001_Jan04_2005.pdf
102-0017-021r001	Standard W-Beam Guardrail Standard Post and Rail Details	102-0017-021r001_Dec06_2006.pdf
102-0017-022r001	Standard W-Beam Guardrail Collapsible Terminal End	102-0017-022r001_Dec06_2006.pdf
102-0017-023r001	Standard W-Beam Guardrail Standard End Treatment	102-0017-023r001_Dec06_2006.pdf
102-0017-024r001	Standard W-Beam Guardrail Wood Post Material and Specifications	102-0017-024r001_Dec06_2006.pdf
102-0017-027r001	Standard W-Beam Guardrail Rail Section & End Details	102-0017-027r001_Dec06_2006.pdf
102-0017-031r002	Temporary Sign Base	102-0017-031r002_Mar16_2011.pdf

Storm Sewer		
102-0018-001r001	Grating for Concrete Endwall Pipe Dia. Up to 1200mm	102-0018-001r001_Jan04_2005.pdf
102-0018-002r001	Grating for Concrete Endwall Pipe Dia. 1350mm to 1800mm	102-0018-002r001_Jan04_2005.pdf
102-0018-003r001	Standard Handrail	102-0018-003r001_Jan04_2005.pdf
102-0018-004r001	Standard Riprap Detail	102-0018-004r001_Jan04_2005.pdf
102-0018-005r001	Storm Sewer Outfall	102-0018-005r001_Jan04_2005.pdf
102-0018-006r001	Storm Sewer Outfall Reinforcement Details	102-0018-006r001_Jan04_2005.pdf
102-0018-007r001	Handrail Details	102-0018-007r001_Jan04_2005.pdf
102-0018-009r001	Standard Ditch Crossing Culvert Requirements	102-0018-009r001_Jan04_2005.pdf

Trenching		
102-0019-001r001	Keying of Trench	102-0019-001r001_Jan04_2005.pdf

Berms		
102-0021-001r001	Typical Berm Requirements	102-0021-001r001_Dec22_2009.pdf

Lot Drainage		
102-0022-003r001	Easement Grading Back Yard	102-0022-003r001_Jan04_2005.pdf
102-0022-004r001	Easement Grading Side Yard Grading	102-0022-004r001_Jan04_2005.pdf
102-0022-005r001	Drainage Swale Back of Lot, 1 of 2	102-0022-005r001_Jan04_2005.pdf
102-0022-007r001	Drainage Swale Back of Lot, 2 of 2	102-0022-007r001_Jan04_2005.pdf
102-0022-006r001	Grade Markers Electrical Kiosk	102-0022-006r001_Jan04_2005.pdf
102-0022-008r001	Grade Markers Electrical Kiosk	102-0022-008r001_Jan04_2005.pdf
102-0022-009r002	C.O.S. Lot Grade Markers Construction and Placement	102-0022-009r002_Jan04_2005.pdf
102-0022-010r001	Drainage Improvement	102-0022-010r001_Jan04_2005.pdf
102-0022-012r001	Side Yard Drainage Swale	102-0022-012r001_Dec22_2010.pdf
102-0022-013r001	Lot Grading Transition Lot Type A/D & D/A	102-0022-013r001_Dec22_2010.pdf
102-0022-014r001	Lot Grading Transition Lot Type D/C & C/D	102-0022-014r001_Dec22_2010.pdf
102-0022-015r001	Lot Grading Transition Lot Type D/E & E/D	102-0022-015r001_Dec22_2010.pdf
102-0022-016r001	Lot Grading Type A	102-0022-016r001_Dec22_2010.pdf
102-0022-017r001	Lot Grading Type D	102-0022-017r001_Dec22_2010.pdf
102-0022-018r001	Lot Grading Type C	102-0022-018r001_Dec22_2010.pdf
102-0022-019r001	Lot Grading Type E	102-0022-019r001_Dec22_2010.pdf
102-0022-021r001	Lot Grading Transition Lot Type C/E & E/C	102-0022-021r001_Jan05_2012.pdf
102-0022-022r001	Side Yard Typical Concrete Drainage Swale	102-0022-022r001_Jan05_2012.pdf
102-0022-023r001	Back Yard Typical Concrete Drainage Swale	102-0022-023r001_Jan05_2012.pdf

Sump Details		
102-0025-001r004	Sump with Pumped Discharge to Surface	102-0025-001r004 Jan04 2005.pdf
102-0025-002r004	Sump with Pumped Discharge to Storm Sewer	102-0025-002r004 Jan04 2005.pdf
102-0025-003r001	Sump Pump Retrofit #1	102-0025-003r001 Jan04 2005.pdf
102-0025-004r001	Sump Pump Retrofit #2 With Pumped Discharge to Surface Plus Backflow Prevention	102-0025-004r001 Jan04 2005.pdf

Crosswalks		
102-0028-001r002	Crosswalk Pavement Markings	102-0028-001r002 Apr07 2006.pdf
102-0028-008r001	Required Pavement Markings at Intersections	102-0028-008r001 Apr07 2006.pdf
102-0028-009r001	Required Pavement Markings at Chevrons	102-0028-009r001 Apr07 2006.pdf

Geometrics/Channelization		
102-0029-001r002	Channelized Intersection Design Standards	102-0029-001r002 Dec06 2006.pdf
102-0029-002r001	Freeway / Expressway Urban Cross Section	102-0029-002r001 Dec22 2009.pdf
102-0029-003r001	Freeway / Expressway Rural Cross Section	102-0029-003r001 Dec22 2009.pdf
102-0029-004r001	Arterial Class 'A'	102-0029-004r001 Dec22 2009.pdf
102-0029-005r001	Arterial Class 'B'	102-0029-005r001 Dec22 2009.pdf
102-0029-006r001	Arterial Class 'C'	102-0029-006r001 Dec22 2009.pdf
102-0029-007r001	Industrial Roadway	102-0029-007r001 Dec22 2009.pdf
102-0029-008r001	Collector Class 'A'	102-0029-008r001 Dec22 2009.pdf
102-0029-009r001	Collector Class 'B'	102-0029-009r001 Dec22 2009.pdf
102-0029-010r001	Collector Class 'C'	102-0029-010r001 Dec22 2009.pdf
102-0029-011r001	Local Class 'A'	102-0029-011r001 Dec22 2009.pdf
102-0029-012r001	Local Class 'B' Length of 500m or Less	102-0029-012r001 Dec22 2009.pdf
102-0029-013r001	Bikeways Class A, B, C	102-0029-013r001 Dec22 2009.pdf
102-0029-014r001	Bus Bay Turnout	102-0029-014r001 Dec22 2009.pdf
102-0029-016r001	Local Class 'C' Cul-De-Sac	102-0029-016r001 Dec22 2009.pdf
102-0029-017r001	Roundabout Functional Design Local Class 'A'	102-0029-017r001 Jan05 2012.pdf
102-0029-018r001	Roundabout Detailed Design Local Class 'A'	102-0029-018r001 Jan05 2012.pdf
102-0029-019r001	Roundabout Sight Lines Design Local Class 'A'	102-0029-019r001 Jan05 2012.pdf
102-0029-020r001	Roundabout Operating Speeds Design Local Class 'A'	102-0029-020r001 Jan05 2012.pdf

102-0029-021r001	Roundabout Functional Design Collector Class 'A' / Local Class 'A'	102-0029-021r001_Jan05_2012.pdf
102-0029-022r001	Roundabout Detailed Design Collector Class 'A' / Local Class 'A'	102-0029-022r001_Jan05_2012.pdf
102-0029-023r001	Roundabout Sight Lines Design Collector Class 'A' / Local Class 'A'	102-0029-023r001_Jan05_2012.pdf
102-0029-024r001	Roundabout Operating Speeds Design Collector Class 'A' / Local Class 'A'	102-0029-024r001_Jan05_2012.pdf
102-0029-025r001	Alternative Median Barrier Treatment	102-0029-025r001_Mar08_2011.pdf
102-0029-027r001	Standard Neighbourhood Entrances	102-0029-027r001_Jan05_2012.pdf