

STANDARD SPECIFICATIONS

May 25, 2004

May 25, 2004

CITY OF FOLSOM
STANDARD CONSTRUCTION SPECIFICATIONS
TABLE OF CONTENTS

| SECTION | TITLE | PAGE |
|--------------------------------|--|-------------|
| STANDARD SPECIFICATIONS | | |
| SS-1 | PRE-CONSTRUCTION PHOTOGRAPHS AND RECORD DRAWINGS | |
| 01 | Requirement | SS-1 |
| 02 | Pre-construction Photographs Specification | SS-1 |
| 03 | Record Drawings Specification | SS-1 |
| 04 | Payment | SS-1 |
| SS-2 | MOBILIZATION | |
| 01 | Description | SS-1 |
| 02 | Payment | SS-2 |
| SS-3 | CLEARING AND GRUBBING | |
| 01 | Item and Payment | SS-3 |
| 02 | Debris | SS-3 |
| 03 | Signs | SS-3 |
| 04 | Mailboxes | SS-3 |
| 05 | Underground | SS-4 |
| 06 | Survey Monuments | SS-4 |
| 07 | Drainage Facilities | SS-4 |
| 08 | Sprinklers and Lights | SS-4 |
| 09 | Trees and Shrubbery | SS-4 |
| 10 | Fencing | SS-5 |
| 11 | Concrete | SS-5 |
| 12 | Disposal and Salvage | SS-5 |
| 13 | Erosion and Silt Control and Stormwater Pollution Prevention | SS-5 |
| 14 | Abandonment of Pipes and Manholes | SS-6 |
| SS-4 | ROADWAY EXCAVATION | |
| 01 | Item | SS-6 |
| 02 | Payment | SS-6 |
| 03 | Ditches, Channels, Side Slopes | SS-6 |
| 04 | Subgrade Preparation | SS-6 |

| SECTION | TITLE | PAGE |
|----------------|---|-------------|
| | 05 Unsuitable Roadway Excavation and Backfill | SS-7 |
| | 06 Unsuitable Material in Embankments | SS-8 |
| | 07 Relative Compaction | SS-8 |
| | 08 Surplus Material Disposal | SS-8 |
| SS-5 | DITCH AND CHANNEL EXCAVATION | |
| | 01 Item | SS-8 |
| | 02 Grade Control | SS-8 |
| | 03 Unsuitable Ditch and Channel Excavation and Backfill | SS-9 |
| | 04 Unsuitable or Surplus Material Disposal | SS-9 |
| | 05 Channel Backfill | SS-9 |
| | 06 Channel Embankments | SS-10 |
| | 07 Water | SS-10 |
| | 08 Pipe Adjustments | SS-10 |
| | 09 Payment | SS-10 |
| | 10 Final Pay Quantities | SS-10 |
| SS-6 | RESEEDING | |
| | 01 Item and Payment | SS-11 |
| | 02 Specification | SS-11 |
| SS-7 | UNSUITABLE MATERIAL EXCAVATION | |
| | 01 Item and Payment | SS-12 |
| | 02 Approximate Quantity | SS-12 |
| | 03 Embankment and Disposal | SS-12 |
| | 04 Backfill | SS-12 |
| SS-8 | ROCK EXCAVATION | SS-13 |
| SS-9 | IMPORTED BORROW | |
| | 01 Item and Payment | SS-14 |
| | 02 Agreements | SS-14 |
| | 03 Placement | SS-14 |
| SS-10 | STRUCTURE EXCAVATION AND BACKFILL | |
| | 01 Item and Payment | SS-14 |
| | 02 Jetting | SS-15 |
| | 03 Existing Structures | SS-15 |
| | 04 Pipes and Miscellaneous Structures | SS-15 |

| SECTION | TITLE | PAGE |
|----------------|---|-------------|
| 05 | Unsuitable Materials | SS-15 |
| 06 | Final Quantity | SS-15 |
| SS-11 | TRENCH EXCAVATION | |
| 01 | Item | SS-15 |
| 02 | Exploratory Holes | SS-15 |
| 03 | Trench Width | SS-15 |
| 04 | Cutting of Pavement | SS-16 |
| 05 | Earth Saw Trenching | SS-16 |
| 06 | Maximum Length of Trench Open | SS-17 |
| 07 | Control of Water | SS-17 |
| 08 | Special Foundation Treatment | SS-17 |
| 09 | Excavation Method | SS-18 |
| 10 | Payment | SS-18 |
| SS-12 | SHEETING, SHORING AND BRACING | |
| 01 | Item | SS-18 |
| 02 | Specifications | SS-18 |
| 03 | Suspension of Work | SS-19 |
| 04 | Payment | SS-19 |
| SS-13 | TRENCH BEDDING AND BACKFILL | |
| 01 | Bedding and Initial Backfill (Sewer and Drainage) | SS-19 |
| 02 | Trench Preparation and Bedding (Water) | SS-23 |
| 03 | Initial Backfill (Water) | SS-23 |
| 04 | Intermediate Backfill | SS-23 |
| 05 | Top Backfill | SS-24 |
| 06 | Other Backfill Requirements | SS-24 |
| 07 | Payment | SS-25 |
| SS-14 | IMPORTED SELECT MATERIAL | |
| 01 | Item and Payment | SS-25 |
| 02 | Material | SS-25 |
| SS-15 | SURPLUS MATERIAL DISPOSAL | |
| 01 | Item | SS-25 |
| 02 | Agreement | SS-25 |
| 03 | Permits | SS-26 |
| 04 | Payment | SS-26 |

| SECTION | TITLE | PAGE |
|----------------|-----------------------------|-------------|
| SS-16 | PIT RUN | |
| 01 | Item and Payment | SS-26 |
| 02 | Materials | SS-26 |
| SS-17 | COBBLES | |
| 01 | Item and Payment | SS-27 |
| 02 | Materials | SS-27 |
| SS-18 | QUARRY ROCK | |
| 01 | Item and Payment | SS-27 |
| 02 | Materials | SS-27 |
| SS-19 | CLASS "C" SUBGRADE | |
| 01 | Location | SS-27 |
| 02 | Preparation | SS-27 |
| 03 | Payment | SS-28 |
| SS-20 | AGGREGATE SUBBASE | |
| 01 | Item and Payment | SS-28 |
| 02 | Material and Placement | SS-28 |
| SS-21 | AGGREGATE BASE | |
| 01 | Item and Payment | SS-29 |
| 02 | Material and Placement | SS-29 |
| SS-22 | ASPHALT CONCRETE - TYPE "B" | |
| 01 | Item and Payment | SS-30 |
| 02 | Material and Placement | SS-30 |
| 03 | Miscellaneous Areas | SS-31 |
| 04 | Paving and Rolling | SS-31 |
| 05 | Leveling Course | SS-31 |
| 06 | Paving Aggregate | SS-31 |
| 07 | Existing Pavement | SS-31 |
| 08 | Thickness | SS-32 |
| 09 | Equipment | SS-32 |
| 10 | Joints | SS-32 |

| SECTION | TITLE | PAGE |
|----------------|-------------------------|-------------|
| SS-23 | WATER | |
| 01 | Item and Payment | SS-32 |
| 02 | Water Source | SS-32 |
| SS-24 | SAND COVER | |
| 01 | Item and Payment | SS-32 |
| SS-25 | LIQUID ASPHALT | |
| 01 | Item and Payment | SS-33 |
| 02 | Grades | SS-33 |
| 03 | Rates | SS-33 |
| SS-26 | ASPHALTIC EMULSION | |
| 01 | Item and Payment | SS-33 |
| 02 | Grade and Rate | SS-33 |
| SS-27 | SCREENINGS | |
| 01 | Item and Payment | SS-33 |
| 02 | Grade and Rate | SS-33 |
| SS-28 | DUST PALLIATIVE | |
| 01 | Application | SS-33 |
| 02 | Payment | SS-34 |
| SS-29 | RESTORATION OF SURFACES | |
| 01 | Item and Payment | SS-34 |
| 02 | General | SS-34 |
| 03 | Private Roads | SS-34 |
| 04 | Resurfacing Streets | SS-34 |
| 05 | Concrete | SS-36 |
| 06 | Pavement Markings | SS-37 |
| 07 | Temporary Paving | SS-37 |

| SECTION | TITLE | PAGE |
|----------------|---|-------------|
| SS-30 | CLASS "A" PORTLAND CEMENT CONCRETE (STRUCTURES) | |
| 01 | Item and Payment | SS-37 |
| 02 | Material and Method | SS-37 |
| 03 | Slump | SS-38 |
| 04 | Tolerance | SS-38 |
| 05 | Patching | SS-38 |
| 06 | Admixtures | SS-38 |
| SS-31 | PORTLAND CEMENT CONCRETE | |
| 01 | Specification | SS-39 |
| 02 | Class "A" | SS-39 |
| 03 | Class "B" | SS-39 |
| 04 | Class "C" | SS-39 |
| 05 | Admixtures | SS-39 |
| 06 | Cement | SS-39 |
| 07 | Cement Mortar and Grout | SS-39 |
| SS-32 | BAR REINFORCING STEEL | |
| 01 | Item and Payment | SS-39 |
| 02 | Material and Placement | SS-40 |
| 03 | Final Quantities | SS-40 |
| SS-33 | PORTLAND CEMENT CONCRETE CURB AND GUTTER | |
| 01 | Item and Payment | SS-40 |
| 02 | Material | SS-40 |
| 03 | Types | SS-40 |
| 04 | Curing | SS-40 |
| 05 | Testing and Tolerance | SS-40 |
| 06 | Use of Extrusion Machine | SS-40 |
| 07 | Aggregate Base Material | SS-40 |
| 08 | Reinforcing Steel | SS-40 |
| SS-34 | PORTLAND CEMENT CONCRETE CURB | |
| 01 | Item and Payment | SS-41 |
| 02 | Anchoring | SS-41 |
| 03 | Curing | SS-41 |
| 04 | Medians and Islands | SS-41 |
| 05 | Weep Holes | SS-41 |
| 06 | Use Extrusion Machine | SS-41 |

| SECTION | TITLE | PAGE |
|----------------|---------------------------------------|-------------|
| SS-35 | SPECIAL PORTLAND CEMENT CONCRETE CURB | |
| 01 | Item and Payment | SS-42 |
| 02 | Material | SS-42 |
| 03 | Curing | SS-42 |
| 04 | Use of Extrusion Machine | SS-42 |
| SS-36 | PORTLAND CEMENT CONCRETE SIDEWALK | |
| 01 | Item and Payment | SS-42 |
| 02 | Method and Materials | SS-42 |
| 03 | Curing | SS-42 |
| 04 | Use of Extrusion Machine | SS-42 |
| 05 | Aggregate Base Material | SS-42 |
| SS-37 | SIDEWALK RAMPS | |
| 01 | Item and Payment | SS-43 |
| 02 | Removal | SS-43 |
| 03 | Material and Placement | SS-43 |
| 04 | Details | SS-43 |
| 05 | Curing | SS-43 |
| 06 | Testing | SS-43 |
| 07 | Aggregate Base Material | SS-43 |
| SS-38 | CHANNEL LINING | |
| 01 | Item and Payment | SS-43 |
| 02 | Materials | SS-43 |
| 03 | Placement and Thickness | SS-44 |
| 04 | Reinforcement | SS-44 |
| 05 | Construction Joints | SS-44 |
| 06 | Expansion Joints | SS-44 |
| 07 | Contraction Joints | SS-45 |
| 08 | Weep Holes | SS-45 |
| 09 | Cutoff Walls | SS-45 |
| 10 | Finishing | SS-45 |
| 11 | Curing | SS-45 |
| SS-39 | AIR BLOWN MORTAR | |
| 01 | Item and Payment | SS-46 |
| 02 | Uses | SS-46 |
| 03 | Material and Placement | SS-46 |

| SECTION | TITLE | PAGE |
|----------------|---------------------------------------|-------------|
| SS-40 | ASPHALT CONCRETE DIKE | |
| 01 | Item | SS-46 |
| 02 | Placement | SS-46 |
| 03 | Payment | SS-46 |
| SS-41 | PILING | |
| 01 | Item and Payment | SS-46 |
| SS-42 | DRIVING PILES | |
| 01 | Item and Payment | SS-46 |
| SS-43 | PILES - CAST-PLACE CONCRETE | |
| 01 | Item and Payment | SS-47 |
| SS-44 | RAILING - METAL BEAM GUARD | |
| 01 | Item and Payment | SS-47 |
| SS-45 | METAL RAILING - (PIPE AND/OR TUBULAR) | |
| 01 | Item and Payment | SS-47 |
| SS-46 | PIPE OPTIONS | |
| 01 | Alternates | SS-47 |
| 02 | Measurement | SS-48 |
| 03 | Payment | SS-49 |
| SS-47 | REINFORCED CONCRETE PIPE (RCP) | |
| 01 | Item and Payment | SS-49 |
| 02 | Specification | SS-49 |
| 03 | Joints for Reinforced Concrete Pipe | SS-49 |
| 04 | Curved Alignment | SS-49 |
| SS-48 | DUCTILE IRON PIPE (SEWER) | |
| 01 | Item and Payment | SS-50 |
| 02 | Specification | SS-50 |

| SECTION | TITLE | PAGE |
|----------------|---|-------------|
| SS-49 | NON-REINFORCED CONCRETE PIPE (CP) | |
| 01 | Item and Payment | SS-50 |
| 02 | Specification | SS-50 |
| 03 | Joints for Non-Reinforced Concrete Pipe | SS-50 |
| 04 | Curved Alignment | SS-50 |
| SS-50 | POLYVINYL CHLORIDE PIPE (SEWER)(PVCPS) | |
| 01 | Item and Payment | SS-50 |
| 02 | Specification | SS-51 |
| SS-51 | CORRUGATED STEEL PIPE (CSP) | |
| 01 | Item and Payment | SS-51 |
| 02 | Specification | SS-51 |
| 03 | Lateral Connections | SS-52 |
| 04 | Protective Coatings | SS-52 |
| 05 | Couplings | SS-52 |
| 06 | Fittings | SS-53 |
| 07 | Curved Alignment | SS-53 |
| 08 | Distortion | SS-53 |
| 09 | Metal Collar | SS-53 |
| SS-52 | RIBBED STEEL PIPE | |
| 01 | Item and Payment | SS-53 |
| 02 | Specification | SS-53 |
| 03 | Lateral Connections | SS-54 |
| 04 | Protective Coatings | SS-54 |
| 05 | Couplings | SS-54 |
| 06 | Fittings | SS-54 |
| 07 | Curved Alignment | SS-55 |
| 08 | Distortion | SS-55 |
| 09 | Bedding and Backfill | SS-55 |
| SS-53 | CORRUGATED ALUMINUM PIPE (CAP) | |
| 01 | Item and Payment | SS-55 |
| 02 | Specification | SS-55 |
| 03 | Insulation | SS-56 |
| 04 | Couplings | SS-56 |
| 05 | Fittings | SS-56 |
| 06 | Curved Alignment | SS-56 |

| SECTION | TITLE | PAGE |
|----------------|--|-------------|
| 07 | Distortion | SS-56 |
| 08 | Metal Collar | SS-56 |
| 09 | End Finish | SS-57 |
| SS-54 | VITRIFIED CLAY PIPE (VCP) | |
| 01 | Item and Payment | SS-57 |
| 02 | Specification | SS-57 |
| 03 | Joints for Vitrified Clay Pipe (Sewer and Drainage) | SS-57 |
| SS-55 | CORRUGATED POLYETHYLENE PIPE (CPEP), DRAINAGE | |
| 01 | Item and Payment | SS-57 |
| 02 | Specification | SS-57 |
| 03 | Joints and Connection to Structures | SS-59 |
| 04 | End Sections | SS-59 |
| 05 | Bedding and Backfill | SS-59 |
| 06 | Certificates | SS-59 |
| 07 | Deflection Testing | SS-60 |
| SS-56 | DUCTILE IRON PIPE (DIP) | |
| 01 | Item and Payment | SS-60 |
| 02 | Specification | SS-60 |
| 03 | Joints | SS-60 |
| SS-57 | PRECAST CONCRETE MANHOLE (SEWER) | |
| 01 | Item and Payment | SS-60 |
| 02 | Dimensions | SS-61 |
| 03 | Specification | SS-61 |
| 04 | Cones | SS-61 |
| 05 | Joints | SS-61 |
| 06 | Frames and Covers | SS-62 |
| 07 | Connections | SS-62 |
| 08 | Flow Channelization | SS-62 |
| 09 | Drop Connections | SS-63 |
| 10 | Cast-in-Place Grade Adjustment | SS-63 |
| 11 | Manhole Lining | SS-63 |
| 12 | Payment | SS-64 |
| SS-58 | POLYVINYL CHLORIDE PIPE (PVCP), WATER AND SEWER FORCE MAIN AND EXTRA STRENGTH GRAVITY SEWER | |

| SECTION | TITLE | PAGE |
|----------------|--|-------------|
| 01 | Item and Payment | SS-64 |
| 02 | Specification | SS-65 |
| 03 | Joints | SS-65 |
| 04 | Fittings | SS-65 |
| SS-59 | POLYVINYL CHLORIDE PIPE (PVC), DRAINAGE | |
| 01 | Item and Payment | SS-66 |
| 02 | Specification | SS-66 |
| 03 | Joints and Connection to Structures | SS-66 |
| 04 | End Sections | SS-66 |
| 05 | Bedding and Backfill | SS-66 |
| 06 | Deflection Testing | SS-66 |
| SS-60 | ACRYLONITRILE-BUTADIENE-STYRENE (ABS) OR POLYVINYL CHLORIDE (PVC) COMPOSITE PIPE (SEWER) | |
| 01 | Item and Payment | SS-67 |
| 02 | Specification | SS-67 |
| 03 | Joints | SS-67 |
| SS-61 | CONDUCTOR PIPES | |
| 01 | Item and Payment | SS-67 |
| 02 | Corrugated Steel Pipe | SS-67 |
| 03 | Reinforced Concrete Pipe | SS-67 |
| 04 | Welded Steel Pipe | SS-68 |
| SS-62 | DRIVEWAY CULVERTS | |
| 01 | Item and Payment | SS-68 |
| 02 | Specification | SS-68 |
| 03 | Joints | SS-68 |
| 04 | Bedding and Backfill | SS-68 |
| 05 | End Finish | SS-68 |
| SS-63 | FLARED END SECTIONS | |
| 01 | Item and Payment | SS-68 |
| 02 | Specification | SS-68 |

| SECTION | TITLE | PAGE |
|----------------|--|-------------|
| SS-64 | PIPE FITTINGS AND MISCELLANEOUS PIPE FACILITIES | |
| 01 | Payment | SS-69 |
| 02 | Jointing | SS-69 |
| 03 | Transition Joints and Fittings (Sewer) | SS-69 |
| SS-65 | BORING AND JACKING | |
| 01 | Item and Payment | SS-69 |
| 02 | General | SS-69 |
| 03 | Direct Jacking of Reinforced Concrete Pipe or Reinforced Concrete Pipe Sewer | SS-70 |
| 04 | Installation of Conductor | SS-70 |
| 05 | Placing Pipe in Conductor | SS-70 |
| 06 | Backfill of Voids | SS-70 |
| 07 | Tolerances | SS-71 |
| 08 | Dry Boring Under Curb, Gutter and Sidewalk | SS-71 |
| 09 | Wet Boring of Small Diameter Pipelines | SS-71 |
| SS-66 | PIPE INSTALLATION (SEWER AND DRAINAGE) | |
| 01 | Pipe Laying | SS-71 |
| 02 | Sewer System Plugs | SS-72 |
| 03 | Existing Utilities | SS-73 |
| 04 | Sequence | SS-73 |
| 05 | Internal Inspection | SS-73 |
| 06 | Measurement and Payment | SS-73 |
| SS-67 | PRECAST CONCRETE MANHOLES | |
| 01 | Item | SS-74 |
| 02 | Dimensions | SS-74 |
| 03 | Specification | SS-74 |
| 04 | Cones | SS-74 |
| 05 | Joints | SS-74 |
| 06 | Frames and Covers | SS-75 |
| 07 | Connections | SS-75 |
| 08 | Cast Portion | SS-75 |
| 09 | Payment | SS-76 |

| SECTION | TITLE | PAGE |
|----------------|------------------------------------|-------------|
| SS-68 | SADDLE MANHOLES | |
| 01 | Item | SS-76 |
| 02 | Specification | SS-76 |
| 03 | Payment | SS-76 |
| SS-69 | DROP CONNECTIONS EXISTING MANHOLES | |
| 01 | Item | SS-76 |
| 02 | Specification | SS-77 |
| 03 | Payment | SS-77 |
| SS-70 | DROP INLET | |
| 01 | Item | SS-77 |
| 02 | Specification | SS-77 |
| 03 | Payment | SS-77 |
| SS-71 | INLET AND OUTLET STRUCTURES | |
| 01 | Item | SS-77 |
| 02 | Specification | SS-78 |
| 03 | Payment | SS-78 |
| SS-72 | EROSION CONTROL APRONS | |
| 01 | Item | SS-78 |
| 02 | Material and Placement | SS-78 |
| 03 | Payment | SS-78 |
| SS-73 | AREA DRAINS | |
| 01 | Item | SS-78 |
| 02 | Specification | SS-78 |
| 03 | Payment | SS-78 |
| SS-74 | CASTINGS | |
| 01 | Materials | SS-78 |
| 02 | Payment | SS-79 |

| SECTION | TITLE | PAGE |
|----------------|------------------------------------|-------------|
| SS-75 | ADJUST MANHOLES TO GRADE | |
| 01 | Item and Payment | SS-80 |
| 02 | Specifications | SS-80 |
| 03 | Manholes Within Traffic Lanes | SS-80 |
| SS-76 | FLUSHING BRANCHES | |
| 01 | Item | SS-80 |
| 02 | Specifications | SS-80 |
| 03 | Payment | SS-80 |
| SS-77 | PIPE CONNECTIONS TO STRUCTURES | |
| 01 | Method | SS-80 |
| 02 | Payment | SS-81 |
| SS-78 | (NOT USED) | |
| SS-79 | SERVICE SEWERS | |
| 01 | Item | SS-81 |
| 02 | Installation | SS-81 |
| 03 | Cleanout to Grade | SS-82 |
| 04 | Location | SS-82 |
| 05 | Payment | SS-82 |
| SS-80 | SANITARY SERVICE SEWER RELOCATIONS | |
| 01 | Item and Payment | SS-82 |
| 02 | Installation | SS-83 |
| SS-81 | SANITARY SEWER CROSSINGS | |
| 01 | Item and Payment | SS-83 |
| 02 | Installation | SS-83 |
| SS-82 | GROUTED COBBLES (LANDSCAPE) | |
| 01 | Item and Payment | SS-83 |
| 02 | Materials and Placement | SS-83 |

| SECTION | TITLE | PAGE |
|----------------|-----------------------------------|-------------|
| SS-83 | GROUTED COBBLES (EROSION CONTROL) | |
| 01 | Item and Payment | SS-84 |
| 02 | Materials and Placement | SS-84 |
| 03 | Measurement and Payment | SS-85 |
| SS-84 | METAL DOWNDRAIN ASSEMBLIES | |
| 01 | Item | SS-85 |
| 02 | Specifications | SS-85 |
| 03 | Payment | SS-85 |
| SS-85 | GRATE ASSEMBLIES | |
| 01 | Item and Payment | SS-85 |
| 02 | Specification | SS-85 |
| SS-86 | FIRE HYDRANT ASSEMBLIES | |
| 01 | Item | SS-86 |
| 02 | Specification | SS-86 |
| 03 | Installation | SS-86 |
| 04 | Payment | SS-86 |
| SS-87 | FIRE PROTECTION SERVICE ASSEMBLY | |
| 01 | Item | SS-86 |
| 02 | Specification | SS-87 |
| 03 | Installation | SS-87 |
| 04 | Payment | SS-87 |
| SS-88 | WATER VALVES | |
| 01 | Item | SS-87 |
| 02 | Specification | SS-87 |
| 03 | Gate Valves | SS-87 |
| 04 | Butterfly Valves | SS-88 |
| 05 | Valve Boxes | SS-88 |
| 06 | Installation | SS-88 |
| 07 | Payment | SS-88 |

| SECTION | TITLE | PAGE |
|----------------|---|-------------|
| SS-89 | AIR VALVES | |
| 01 | Item | SS-88 |
| 02 | Specifications | SS-88 |
| 03 | Air Release Valves | SS-88 |
| 04 | Combination Air Valves | SS-89 |
| 05 | Installation | SS-89 |
| 06 | Payment | SS-89 |
| SS-90 | BLOWOFF ASSEMBLY (WATER DISTRIBUTION SYSTEMS) | |
| 01 | Item | SS-89 |
| 02 | Specification | SS-89 |
| 03 | Payment | SS-89 |
| SS-91 | WATER SERVICE LINES (1 INCH THROUGH 2 INCH) | |
| 01 | Item | SS-89 |
| 02 | Materials | SS-89 |
| 03 | Location | SS-90 |
| 04 | Meter Box and Lid | SS-90 |
| 05 | Payment | SS-90 |
| SS-92 | WATER SERVICES (3 INCH AND LARGER) | |
| 01 | Item | SS-90 |
| 02 | Materials | SS-91 |
| 03 | Installation | SS-91 |
| 04 | Meter Box and Lid | SS-91 |
| 05 | Payment | SS-91 |
| SS-93 | (NOT USED) | |
| SS-94 | (NOT USED) | |
| SS-95 | WATER SYSTEMS INSTALLATION (WATER DISTRIBUTION SYSTEMS) | |
| 01 | Alternates | SS-91 |
| 02 | Testing of Material | SS-92 |
| 03 | Installation | SS-92 |
| 04 | Connections to existing Mains | SS-93 |
| 05 | Locating Wire | SS-93 |
| 06 | Regulations Relating to Sanitary Hazards | SS-93 |
| 07 | Installation of Water Services | SS-93 |

| SECTION | TITLE | PAGE |
|----------------|-------------------------------------|-------------|
| 08 | Disinfection and Flushing | SS-94 |
| 09 | Acceptance Test | SS-95 |
| 10 | Payment | SS-95 |
| SS-96 | REDUCED PRESSURE BACKFLOW PREVENTER | |
| 01 | Item | SS-96 |
| 02 | Specification | SS-96 |
| 03 | Installation | SS-96 |
| 04 | Payment | SS-96 |
| SS-97 | STREET CLOSURES | |
| 01 | Requirements | SS-96 |
| 02 | Payment | SS-97 |
| SS-98 | DEWATERING | |
| 01 | Payment | SS-97 |
| SS-99 | TEMPORARY PAVING | |
| 01 | Item | SS-97 |
| 02 | Payment | SS-98 |
| SS-100 | ACCEPTANCE TESTS - SANITARY SEWERS | |
| 01 | Requirements | SS-98 |
| 02 | Manhole Vacuum Test | SS-98 |
| 03 | Cleaning and Flushing | SS-98 |
| 04 | Polyvinyl Chloride Deflection Test | SS-99 |
| 05 | Low Pressure Air Test | SS-99 |
| 06 | T.V. Inspection | SS-100 |
| SS-101 | PROPERTY FENCE AND GATES | |
| 01 | Item | SS-101 |
| 02 | Type BW Property Fence | SS-101 |
| 03 | Type WM Property Fence | SS-101 |
| 04 | Specification | SS-102 |
| 05 | Measurement | SS-102 |
| 06 | Payment | SS-102 |

| SECTION | TITLE | PAGE |
|----------------|---|-------------|
| SS-102 | CHAIN LINK FENCE | |
| 01 | Item | SS-102 |
| 02 | Materials and Methods | SS-102 |
| 03 | Posts | SS-102 |
| 04 | Extension Arms | SS-102 |
| 05 | Measurement | SS-103 |
| 06 | Payment | SS-103 |
| SS-103 | CHAIN LINK FENCE WITH REDWOOD PICKETS AND GATES | |
| 01 | Item | SS-103 |
| 02 | Materials | SS-103 |
| 03 | Posts, Rails, and Braces | SS-103 |
| 04 | Fittings | SS-104 |
| 05 | Gates | SS-104 |
| 06 | Extension Arms | SS-104 |
| 07 | Installation | SS-104 |
| 08 | Measurement | SS-105 |
| 09 | Payment | SS-105 |
| SS-104 | RESET EXISTING FENCES | |
| 01 | Item | SS-105 |
| 02 | Materials | SS-106 |
| 03 | Payment | SS-106 |
| SS-105 | TRAFFIC STRIPING | |
| 01 | Item and Payment | SS-106 |
| 02 | Placement Schedule | SS-106 |
| 03 | Angle Points | SS-106 |
| 04 | Material | SS-106 |
| 05 | Thermoplastic | SS-107 |
| 06 | Permanent Striping and Pavement Marking Material | SS-107 |
| 07 | Pavement Markers | SS-108 |
| 08 | Traffic Stripe Removal | SS-109 |
| SS-106 | STREET NAME SIGNS, HIGHWAY SIGNS, AND GUIDE MARKERS | |
| 01 | Scope | SS-110 |
| 02 | General | SS-110 |
| 03 | Minimum Requirements for Reflective Sheeting | SS-111 |

| SECTION | TITLE | PAGE |
|----------------|---|-------------|
| 04 | Base Metal | SS-115 |
| 05 | Screening Inks and Process Pastes | SS-116 |
| 06 | Sign Panel Fabrication | SS-118 |
| 07 | Frames | SS-118 |
| 08 | Metal Guide Posts and Flexible Delineator Posts | SS-119 |
| 09 | Street Name Signs | SS-120 |
| 10 | Inspection | SS-120 |
| 11 | Patents | SS-120 |
| SS-107 | TRAFFIC SIGNALS AND LUMINAIRES | |
| 01 | Item | SS-121 |
| 02 | Specification | SS-121 |
| 03 | Vendor Order and Warrant | SS-121 |
| 04 | Notice to Equipment Suppliers | SS-121 |
| 05 | Order of Work | SS-121 |
| 06 | Removing and Replacing Improvements | SS-121 |
| 07 | Foundations | SS-121 |
| 08 | Poles, Steel Pedestals, and Posts | SS-122 |
| 09 | Conduit | SS-122 |
| 10 | Wiring | SS-122 |
| 11 | Service | SS-123 |
| 12 | Painting | SS-123 |
| 13 | Controller Cabinets | SS-123 |
| 14 | Type 90 Controller Assemblies | SS-125 |
| 15 | Detector Rack and Power Supply | SS-126 |
| 16 | Conflict Monitoring Device | SS-126 |
| 17 | Emergency Vehicle Preemption System | SS-127 |
| 18 | Internally Illuminated Street Name Signs | SS-127 |
| 19 | Ballasts | SS-128 |
| 20 | Backplates | SS-128 |
| 21 | Pedestrian Signals | SS-130 |
| 22 | Vehicle and Pedestrian Signals and Fittings | SS-130 |
| 23 | Programmed Visibility Vehicle Signal Faces | SS-131 |
| 24 | Inductive Loop Detectors | SS-131 |
| 25 | Detector Sealant | SS-133 |
| 26 | High Pressure Sodium Luminaires | SS-134 |
| 27 | Ballasts | SS-134 |
| 28 | Traffic Signal Salvage | SS-134 |
| 29 | Traffic Signal Interconnect System | SS-134 |
| 30 | Work on Existing Signals | SS-136 |
| 31 | Signal Turn-On | SS-136 |

| SECTION | TITLE | PAGE |
|----------------|--|-------------|
| SS-108 | STREET LIGHTING SYSTEM | |
| 01 | Item | SS-136 |
| 02 | Specification | SS-136 |
| 03 | Vendor Order and the Warrant | SS-136 |
| 04 | Notice to Equipment Suppliers | SS-136 |
| 05 | Requirements Relating to General Conduct of Work | SS-136 |
| 06 | Foundations | SS-137 |
| 07 | Lighting Poles | SS-137 |
| 08 | Luminaires | SS-138 |
| 09 | Lamps | SS-139 |
| 10 | Ballasts | SS-139 |
| 11 | Conductors | SS-139 |
| 12 | Wiring | SS-139 |
| 13 | Pullboxes | SS-139 |
| 14 | Fuses | SS-139 |
| 15 | Photoelectric Unit | SS-140 |
| 16 | Service | SS-140 |
| 17 | Painting | SS-140 |
| 18 | Cleanup | SS-141 |
| 19 | Acceptance Test | SS-141 |
| 20 | Street Light Salvage | SS-141 |
| SS-109 | LAWN PLANTING | |
| 01 | Item and Payment | SS-142 |
| 02 | Soil Preparation and Fertilization | SS-142 |
| 03 | Soil Settlement | SS-142 |
| 04 | Recultivate and Float | SS-142 |
| 05 | Finish Grading | SS-142 |
| 06 | Seeding | SS-143 |
| 07 | Establishment of Lawn Planting | SS-143 |
| 08 | Materials | SS-144 |
| SS-110 | TREE, SHRUB, AND GROUNDCOVER PLANTING | |
| 01 | Item and Payment | SS-145 |
| 02 | Plant Specification | SS-145 |
| 03 | Tree Planting Installation | SS-146 |
| 04 | Shrub Planting Installation | SS-146 |
| 05 | Groundcover Planting Installation | SS-146 |
| 06 | Plant Establishment Period | SS-147 |
| 07 | Plant Materials and Guarantee | SS-147 |
| 08 | Water for Establishment | SS-147 |
| 09 | Materials | SS-147 |

| SECTION | TITLE | PAGE |
|----------------|---|-------------|
| SS-111 | QUICK COUPLING VALVES (SPRINKLER SYSTEMS) | |
| 01 | Item | SS-148 |
| 02 | Specification | SS-148 |
| 03 | Quick Coupling Valve Keys | SS-148 |
| 04 | Valve Box | SS-148 |
| 05 | Payment | SS-148 |
| SS-112 | ELECTRIC REMOTE CONTROL VALVE - ELECTRIC SOLENOID TYPE (SPRINKLER SYSTEM) | |
| 01 | Item | SS-149 |
| 02 | Specification | SS-149 |
| 03 | Valve Box | SS-149 |
| 04 | Irrigation Control Wire | SS-149 |
| 05 | Payment | SS-149 |
| SS-113 | AUTOMATIC CONTROLLER (SPRINKLER SYSTEM) | |
| 01 | Item | SS-150 |
| 02 | Specification | SS-150 |
| 03 | Installation | SS-150 |
| 04 | Payment | SS-151 |
| SS-114 | SPRINKLER HEADS | |
| 01 | Item | SS-151 |
| 02 | Specification | SS-151 |
| 03 | Installation | SS-151 |
| 04 | Sprinkler Heads | SS-151 |
| 05 | Payment | SS-152 |
| SS-115 | REDUCED PRESSURE BACKFLOW PREVENTER (SPRINKLER SYSTEMS) | |
| 01 | Payment | SS-152 |
| SS-116 | POLYVINYL CHLORIDE PIPE (PVC) SCHEDULE 40 (3/4 INCH - 1-1/2 INCH SIZE) | |
| 01 | Item and Payment | SS-152 |
| 02 | Specification | SS-152 |
| 03 | Joints | SS-152 |
| 04 | Fittings | SS-152 |
| 05 | Installation | SS-153 |

| SECTION | TITLE | PAGE |
|----------------|---|-------------|
| SS-117 | POLYVINYL CHLORIDE PIPE (PVC) (RING TYPE) | |
| 01 | Item and Payment | SS-153 |
| 02 | Specification | SS-153 |
| 03 | Joints | SS-153 |
| 04 | Fittings | SS-153 |
| SS-118 | POLYVINYL CHLORIDE PIPE (PVC) CLASS 315 (2 INCH SIZE AND LARGER) | |
| 01 | Item and Payment | SS-153 |
| 02 | Specification | SS-154 |
| 03 | Joints | SS-154 |
| 04 | Fittings | SS-154 |
| 05 | Installation | SS-154 |
| SS-119 | POLYVINYL CHLORIDE PIPE (PVC) CLASS 200 (SPRINKLER SYSTEMS) | |
| 01 | Item and Payment | SS-154 |
| 02 | Specification | SS-154 |
| 03 | Joints | SS-154 |
| 04 | Fittings | SS-155 |
| 05 | Installation | SS-155 |
| SS-120 | (NOT USED) | |
| SS-121 | FLUSHING, DISINFECTING, AND TESTING (SPRINKLER SYSTEMS) | |
| 01 | Item | SS-155 |
| 02 | Payment | SS-155 |
| 03 | Testing | SS-155 |
| SS-122 | HEAVY DUTY CONTROLLER ENCLOSURE | |
| 01 | Item and Payment | SS-156 |
| 02 | Installation | SS-156 |
| SS-123 | DRIP IRRIGATION PRESSURE REGULATOR | |
| 01 | Item | SS-156 |
| 02 | Specification | SS-156 |
| 03 | Installation | SS-156 |
| 04 | Payment | SS-156 |

| SECTION | TITLE | PAGE |
|----------------|--------------|-------------|
|----------------|--------------|-------------|

| | | |
|----------------------------------|--|--|
| SS-124DRIP IRRIGATION - Y-FILTER | | |
|----------------------------------|--|--|

| | | |
|----|---------------|--------|
| 01 | Item | SS-156 |
| 02 | Specification | SS-156 |
| 03 | Installation | SS-157 |
| 04 | Payment | SS-157 |

| | | |
|--------------------------------|--|--|
| SS-125DRIP IRRIGATION EMITTERS | | |
|--------------------------------|--|--|

| | | |
|----|----------------|--------|
| 01 | Item | SS-157 |
| 02 | Specification | SS-157 |
| 03 | Installation | SS-157 |
| 04 | Emitters | SS-157 |
| 05 | Emitter Tubing | SS-158 |
| 06 | Payment | SS-158 |

May 25, 2004