

PART VIII - STANDARD DETAIL DRAWINGS

SERIES 1 - EROSION CONTROL

- 1.01 [SILT FENCE](#)
- 1.02 [EROSION MAT](#)
- 1.03 [TYPICAL INSTALLATIONS OF EROSION BALES](#)
- 1.04 [INLET PROTECTION, TYPE C](#)
- 1.05 [CLEAR STONE BERM FOR EROSION CONTROL](#)
- 1.06 [INLET PROTECTION TYPE D](#)
- 1.07 [CONSTRUCTION ENTRANCE](#)
- 1.08 [STREET CONSTRUCTION ENTRANCE BERM](#)
- 1.09 [SILT SOCK](#)
- 1.10 [STREET CONSTRUCTION STONE BERM](#)

SERIES 2 - EARTHWORK

- 2.01 [STANDARD PLANTING TECHNIQUE FOR TREES IN TURF AREAS](#)
- 2.02 [STANDARD PLANTING TECHNIQUE FOR TREES IN TREE GRATES](#)
- 2.03 [STANDARD PLANTING TECHNIQUE FOR EVERGREENS](#)
- 2.04 [STANDARD PLANTING TECHNIQUE FOR SHRUBS](#)
- 2.05 [STANDARD PRUNING TECHNIQUES FOR DECIDUOUS AND CONIFEROUS TREES AND SHRUBS](#)
- 2.06 [TYPICAL FIELD STONE RETAINING WALL](#)
- 2.07 [WETLAND PLANTING PODS TYPE #1](#)
- 2.08 [WETLAND PLANTING PODS TYPE #2](#)

SERIES 3 - CONCRETE AND CONCRETE STRUCTURES

- 3.01 [STANDARD SPECIAL WATERWAY](#)
- 3.02 [MADISON STANDARD CURB CUT DETAILS](#)
- 3.03 [STANDARD CURB RAMPS TYPES 1 AND 2](#)
- 3.04 [CURB RAMPS GENERAL AND CURB RAMP TYPE 2-A](#)
- 3.05 [CURB & GUTTER DETAIL AT END OF CUL-DE-SAC](#)
- 3.06 [MADISON STANDARD CONCRETE CURB & GUTTER](#)
- 3.07 [MADISON STANDARD CONCRETE CURB & GUTTER](#)
- 3.08 [MADISON STANDARD CONCRETE CURB & GUTTER](#)
- 3.09 [MADISON STANDARD COMMERCIAL DRIVE DETAILS](#)
- 3.10 [LONGITUDINAL JOINTS AND PAVEMENT TIES DETAIL](#)
- 3.11 [DOWELED CONCRETE PAVEMENT DETAIL](#)
- 3.12 [MADISON STANDARD SECTION CORNER MONUMENT DETAIL](#)
- 3.13 [CONCRETE MOUNTABLE MEDIAN ISLAND NOSE DETAILS](#)
- 3.14 [BIKE RAMP CURB CUT DETAIL](#)

SERIES 4 - PAVEMENTS

- 4.01 [TYPICAL SECTION 32' STREET](#)
- 4.02 [TYPICAL SECTION VARIOUS WIDTH STREETS](#)
- 4.03 [TYPICAL SECTION BOULEVARD STREET](#)
- 4.04 [TYPICAL SECTION TEMPORARY STREET](#)
- 4.05 [TYPICAL SECTION WITH UNDERDRAINS](#)
- 4.06 [PAVEMENT DESIGN CRITERIA](#)
- 4.07 [TYPICAL ALLEY WITH CURB & GUTTER](#)
- 4.08 [TYPICAL SECTION BIKE PATH](#)
- 4.09 [GRINDING DETAIL](#)
- 4.10 [CONCRETE SPEED HUMP](#)

4.11 [CONCRETE SPEED HUMP RAISED GUTTER](#)

SERIES 5 - SEWER AND SEWER STRUCTURES

- 5.1 GENERAL
- 5.1.1 [MANDREL DETAIL](#)
- 5.1.2 [RCBC REPAIR TYPE I & TYPE II](#)
- 5.1.3 [TYPICAL SECTION SAS ACCESS ROAD TEMPORARY](#)
- 5.1.4 [TYPICAL SECTION SAS ACCESS ROAD PERMANENT](#)
- 5.2 TRENCH EXCAVATION, BEDDING AND BACKFILL
- 5.2.1 [STORM AND SANITARY SEWER BEDDINGS](#)
- 5.2.1A [HDPE BEDDING AND BACKFILL](#)
- 5.2.2 [TYPICAL TRENCH COMPACTION](#)
- 5.2.3 [TYPICAL TRENCH COMPACTION \(GREENWAY/PARK\)](#)
- 5.2.4 [TYPICAL PAVEMENT PATCH SECTIONS](#)
- 5.3 SANITARY SEWER PIPES
- 5.3.1 [RISER DETAIL](#)
- 5.3.2 [LOCATION OF SANITARY LATERALS](#)
- 5.3.3 [COUPLING DETAILS](#)
- 5.4 STORM SEWER PIPES, APRON ENDWALLS AND OTHER STORM WATER CHANNELS
- 5.4.1 [APRON ENDWALLS FOR PIPES AND PIPE ARCHES](#)
- 5.4.2 [MULTIPLE RCP AE](#)
- 5.4.3 [MULTIPLE HERCP AE](#)
- 5.4.4 [RIPRAP AT APRON ENDWALLS](#)
- 5.4.5 [CONCRETE COLLAR](#)
- 5.4.6 [CONCRETE PIPE JOINT TIES](#)
- 5.4.7 [DRAINAGE FLUME DETAIL](#)
- 5.4.8 [DRAINAGE FLUME DETAIL](#)
- 5.4.9 [SIDEWALK FLUME DETAIL](#)
- 5.4.10 [CURB TO DITCH TRANSITION ASPHALT FLUME](#)
- 5.4.11 [TYPICAL GREENWAY SECTION \(GRASSED-FLOWLINE\)](#)
- 5.4.12 [TYPICAL GREENWAY SECTION \(STABILIZED-FLOWLINE\)](#)
- 5.4.13 [BIO-RETENTION DETAIL](#)
- 5.5 BOX CULVERTS AND WINGWALLS
- 5.5.1 [BOX CULVERT WINGWALL](#)
- 5.5.2 [RIPRAP AT BOX CULVERT WINGWALLS](#)
- 5.6 STORM SEWER GATES
- 5.6.1 [RCP AE GATE](#)
- 5.6.2 [BOX CULVERT INLET GATE \(UPSTREAM\)](#)
- 5.6.3 [BOX CULVERT OUTLET GATE \(DOWNSTREAM\)](#)
- 5.6.4 [STANDARD BASIN OUTLET STRUCTURE](#)
- 5.6.5 [STANDARD-BASIN OUTLET PIPE GATE DETAIL](#)
- 5.7 SEWER STRUCTURES
- 5.7.1 [SANITARY SEWER CAST-IN-PLACE SAS](#)
- 5.7.2 [SANITARY SEWER PRECAST SAS](#)
- 5.7.3 [STORM SEWER FIELD POURED SAS AND CATCHBASINS](#)
- 5.7.4 [STORM SEWER 6'X6' CATCHBASIN](#)
- 5.7.5 [STORM SEWER PRECAST SAS \(THROUGH SECTION VIEW\)](#)
- 5.7.6 [STORM SEWER PRECAST SAS \(TOP VIEW\)](#)
- 5.7.7 [TYPE "H" INLET](#)
- 5.7.8 [SADDLED INLET TYPE I](#)
- 5.7.9 [SADDLED INLET TYPE II](#)
- 5.7.9A [STORM SEWER FIELD POURED SADDLED SAS](#)
- 5.7.10 [STORM SEWER PRECAST SADDLED INLET](#)
- 5.7.10A [STORM SEWER PRECAST SADDLED SAS](#)
- 5.7.11 [RECONSTRUCT TUB INLET](#)
- 5.7.12 [TERRACE INLET TYPE 1](#)

- 5.7.12A [TERRACE INLET TYPE 2](#)
- 5.7.12B [TERRACE INLET TYPE 3](#)
- 5.7.12C [TERRACE INLET TYPE 4](#)
- 5.7.12D [TERRACE INLET TYPE 5](#)
- 5.7.13 [CURB OUTLET STRUCTURE](#)
- 5.7.14 [UNDERDRAIN](#)
- 5.7.15 [SAS CHIMNEY AND CASTING](#)
- 5.7.16 [SAS FRAME AND COVER](#)
- 5.7.17 [SAS INTERNAL CHIMNEY SEAL](#)
- 5.7.18 [R-3067 FRAME](#)
- 5.7.19 [R-3067 CURB BOX](#)
- 5.7.20 [R-3067 TYPE R GRATE](#)
- 5.7.21 [R-3067 TYPE V GRATE \(VANE\)](#)
- 5.7.22 [R-3067 EL CURB BOX](#)
- 5.7.24 [R-3067 CDS CURB BOX](#)
- 5.7.25 [TYPE "S" INLET & R-3281 CASTING](#)
- 5.7.26 [CONSTRUCTION STORM STAKING LAYOUT](#)
- 5.7.27 [H INLET LOCATIONS IN DIFFERENT CURB TYPES](#)
- 5.7.28 [INLET IN TYPE "H" CURB AND GUTTER WITH CONCRETE PAVEMENT](#)
- 5.7.29 [INLET CASTING OFFSET CRITERIA FOR H INLETS](#)
- 5.7.30 [INSIDE DROP FOR SANITARY LATERAL](#)
- 5.7.31 [FLEXIBLE PIPE TO SAS CONNECTOR](#)
- 5.7.32 [STORM SEWER TAP DETAIL](#)
- 5.7.33 [H INLET ALLEY CURB](#)
- 5.7.34 [DITCH INLET STRUCTURE](#)
- 5.7.35 [TERRACE FLUME](#)
- 5.7.36 [SIDEWALK DRAIN](#)
- 5.7.37 [RIBBON CURB CASTING R-3382](#)
- 5.7.38 [CURB HEAD PLATE FOR DRIVEWAY R-3067-7000](#)
- 5.8 [UTILITY CROSSINGS](#)
- 5.8.1 [CONCRETE SUPPORTS](#)
- 5.8.2 [REINFORCED CONCRETE BEAM SUPPORT](#)

SERIES 6 - TRAFFIC ENGINEERING

- 6.01 [TYPICAL ELEVATIONS FOR BASES](#)
- 6.02 [TYPICAL PLAN VIEW OF DUCT INSTALLATION & DUCT IMPRINT LOCATION](#)
- 6.03 [DUCT TERMINATION DETAIL](#)
- 6.04 [LOOP LEAD DUCT DETAIL](#)
- 6.05 [CONCRETE POLE BURIAL DETAIL](#)
- 6.06 [POLE MOUNTED STREET LIGHT CONTROL PANEL](#)
- 6.07 [PEDESTAL MOUNTED STREET LIGHT CONTROL PANEL](#)
- 6.08 [120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL](#)
- 6.09 [CONDUIT PLACEMENT DETAILS FOR COMMERCIAL DRIVE APPROACH](#)
- 6.10 [TYPE "M" AND "P" CONTROLLER BASE DETAIL](#)
- 6.11 [TYPE "G" BASE DETAIL](#)
- 6.12 [LB-1 DETAIL](#)
- 6.13 [LB-2 DETAIL](#)
- 6.14 [LB-3 DETAIL](#)
- 6.15 [LB-4 DETAIL](#)
- 6.17 [LB-6 DETAIL](#)
- 6.18 [LB-7 BASE DETAIL](#)
- 6.19 [LB-8 BASE DETAIL](#)
- 6.20 [OFFSET BASE DETAIL](#)
- 6.21 [TYPICAL DETAIL FOR AUGERING A HOLE\(S\) IN EXISTING BASE FOR DUCT ENTRANCE](#)
- 6.22 [TYPE I HANDHOLE DETAIL](#)

6.23	<u>TYPE II HANDHOLE DETAIL</u>
6.24	<u>TYPE III HANDHOLE DETAIL</u>
6.25	<u>TYPE IV HANDHOLE DETAIL</u>
6.26	<u>TYPE V HANDHOLE DETAIL</u>
6.27	<u>ELECTRICAL UTILITY ACCESS STRUCTURE DETAIL</u>
6.28	<u>ELECTRICAL CONDUIT BOX-OUT DETAIL</u>
6.29	<u>STREET BARRICADE DETAILS</u>
6.30	<u>SUPPLEMENTAL TRAFFIC CONTROLS FOR BIKEWAY CLOSURES</u>
6.31	<u>BARRICADES AND SIGNS FOR MAINLINE CLOSURES</u>
6.32	<u>BARRICADES AND SIGNS FOR SIDEROAD CLOSURES</u>
6.33	<u>TRAFFIC CONTROL, SINGLE LANE CLOSURE NON-FREEWAY/EXRESSWAY</u>
6.34	<u>TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE</u>
6.35	<u>TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)</u>
6.36	<u>TRAFFIC CONTROL, SIDEWALK CLOSURE</u>
6.37	<u>PAVEMENT MARKING DETAILS, PAGE 1</u>
6.38	<u>PAVEMENT MARKING DETAILS, PAGE 2</u>
6.39	<u>PAVEMENT MARKING DETAILS, PAGE 3</u>
6.40	<u>PAVEMENT MARKING DETAILS, PAGE 4</u>
6.41	<u>PIPE INSERT IN CONCRETE FOR SIGNING</u>
6.42	<u>PRECAST SIGN POST BASE DETAILS</u>
6.43	<u>SIGN POST DETAIL</u>
6.44	<u>ALTERNATE BUSINESS ACCESS SIGN</u>

SERIES 7 - WATER MAINS AND SERVICE LATERALS

7.01	<u>SERVICE INSTALLATION - PRIVATE CONTRACT</u>
7.02	<u>STANDARD THREADED RODDING</u>
7.03	<u>STANDARD THRUST BLOCKING</u>
7.04	<u>TYPICAL HYDRANT INSTALLATION</u>
7.05	<u>TYPICAL STYROFOAM INSTALLATION</u>
7.06A	<u>WATER METER PIT CONSTRUCTION</u>
7.06B	<u>WATER METER PIT DIMENSIONS</u>
7.06C	<u>WATER METER PIT CONSTRUCTION NOTES</u>
7.07	<u>WATER MAIN VALVE ACCESS STRUCTURE</u>