

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](#)

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 [MOUNTABLE MEDIAN ISLAND NOSE DETAIL](#)
- 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 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 TYPE II HANDHOLE DETAIL
- 6.24 TYPE III HANDHOLE DETAIL
- 6.25 TYPE IV HANDHOLE DETAIL

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

SERIES 7 - WATER MAINS AND SERVICE LATERALS

- 7.01 [SERVICE INSTALLATION - PRIVATE CONTRACT](#)
- 7.02 [STANDARD THREADED RODDING](#)
- 7.03 [STANDARD THRUST BLOCKING](#)
- 7.04 [TYPICAL HYDRANT INSTALLATION](#)
- 7.05 [TYPICAL STYROFOAM INSTALLATION](#)
- 7.06A [WATER METER PIT CONSTRUCTION](#)
- 7.06B [WATER METER PIT DIMENSIONS](#)
- 7.06C [WATER METER PIT CONSTRUCTION NOTES](#)
- 7.07 [WATER MAIN VALVE ACCESS STRUCTURE](#)