

# STANDARD DETAILS 2006

## TABLE OF CONTENTS

### **GC – GENERAL CONSTRUCTION STANDARDS**

GC-1	CONCRETE SIDEWALK
GC-2	SIDEWALK RAMPS
GC-3	CONCRETE CURB & GUTTER
GC-4	CONCRETE CURB & GUTTER (CONTINUED)
GC-5	ASPHALT PAVEMENT SECTION
GC-6	DRIVEWAY TURN OUTS
GC-7	DRIVEWAY TURN OUTS (CONTINUED)
GC-8	RAMPS WITH UPPER LANDINGS
GC-9	DUMPSTER ENCLOSURE

### **GN – GENERAL NOTES**

GN-1	APPLICABLE TO PUBLIC UTILITIES PROJECTS
GN-2	APPLICABLE TO PUBLIC UTILITIES PROJECTS (CONTINUED)
GN-3	APPLICABLE TO PUBLIC UTILITIES PROJECTS (CONTINUED)
GN-4	APPLICABLE TO PUBLIC UTILITIES PROJECTS (CONTINUED)
GN-5	STORMWATER DRAINAGE SYSTEMS
GN-6	PRESSURE PIPE SYSTEM
GN-7	SUBMERSIBLE LIFT STATION

### **GS – GRAVITY SEWER STANDARDS**

GS-1	MANHOLE FRAME & COLLAR/COVER
GS-2	MANHOLE
GS-3	SEWER FLOW CHANNELS
GS-4	DROP MANHOLE
GS-5	LATERAL CONNECTIONS
GS-6	CLEAN OUT
GS-7	OIL, GREASE & WATER SEPARATOR
GS-8	DOG HOUSE MANHOLE
GS-9	GRAVITY SEWER SYSTEMS NOTES

### **P – PRESSURE PIPE STANDARDS**

P-1	VALVE BOX SETTING
P-2	BUTTERFLY VALVE
P-3	DESIGN TABLE FOR THRUST RESTRAINT
P-4	TRENCH/BACKFILL/PAVEMENT RESTORATION

P-5	AIR RELEASE VALVE & VAULT
P-6	AIR RELEASE VALVE & VAULT NOTES
P-7	PIGGING PROCEDURE
P-8	BLOW-OFF TERMINAL
P-9	FIRE HYDRANT CONNECTION
P-10	FIRE DEPT. REQUIREMENTS FOR R.O.W. HYDRANTS
P-11	FORCE MAIN AT MANHOLE
P-12	PIPE CASING
P-13	SAMPLING POINT
P-14	UTILITY CROSSING

### **SL – STREET LIGHTING**

SL-1	STREET LIGHT DETAIL
SL-2	LIGHT POLE DETAIL
SL-3	STREET LIGHT DETAIL
SL-4	LIGHT POLE DETAIL
SL-5	TYPICAL STREET LIGHT FIXTURES OR APPROVED EQUALIVENTS
SL-6	FULL BOX DETAIL
SL-7	SCHEMATIC WIRING DETAIL
SL-8	TYPICAL TRENCH DETAILS
SL-9	STREET LIGHT NOTES
SL-10	UNDERGROUND SERVICE PEDESTAL
SL-11	FPL UNMETERED SERVICE CONNECTION
SL-12	STREET SIGN DETAIL
SL-13	BANNER ARM

### **SLS – SUBMERSIBLE LIFT STATION STANDARDS**

SLS-1	TYPICAL LIFT STATION PLAN
SLS-2	WET WELL “B” SECTION
SLS-3	LIFT STATION, REQUIREMENT DATA
SLS-4	PUMP TEST/START-UP FORM
SLS-5	PUMP TEST/START-UP FORM
SLS-6	“P.I.” TEST FORM
SLS-7	ELECTRICAL PANELS – ELEVATION
SLS-8	ELECTRICAL PANELS – PLAN VIEW
SLS-9	ELECTRICAL PANELS – NOTES
SLS-10	PUMP PANEL REQUIREMENTS
SLS-11	PUMP STATION PUMP PANEL
SLS-12	PUMP CONTROL PANEL (DUPLEX PUMP CONTROL PANEL DEAD FRONT (VIEW))
SLS-13	ELECTRICAL LINE DIAGRAM (SINGLE)
SLS-14	PUMP & RTU ELECTRICAL PANELS
SLS-15	SUB-PANEL LAYOUT
SLS-16	BY-PASS PUMP CONNECTION
SLS-17	BACKFLOW DETAIL FOR L.S WATER SERVICE
SLS-18	PUMP PANEL MANUFACTURERS LIST

### **ST – STORMWATER DRAINAGE STANDARDS**

ST-1	TOP SLAB REINFORCING
------	----------------------

ST-2	TOP SLAB REINFORCING DIAGRAM
ST-3	RECTANGULAR STRUCTURE BOTTOM
ST-4	RECTANGULAR STRUCTURE SLAB DESIGN (1 OF 3)
ST-5	RECTANGULAR STRUCTURE SLAB (2 OF 3)
ST-6	RECTANGULAR STRUCTURE SLAB (3 OF 3)
ST-7	CIRCULAR STRUCTURE BOTTOM
ST-8	CIRCULAR STRUCTURE SLAB DESIGN (1 OF 2)
ST-9	CIRCULAR STRUCTURE BOTTOM SLAB DESIGN (2 OF 2)
ST-10	MANHOLE TOP
ST-11	MANHOLE FRAME & COVER
ST-12	MANHOLE FRAME & COVER
ST-13	CURB INLET TOP (1 OF 2)
ST-14	CURB INLET TOP (2 OF 2)
ST-15	CURB INLET FRAME & GRATE
ST-16	THROATED CURB INLET
ST-17	THROATED CURB INLET (CAST IRON)
ST-18	THROATED CURB INLET (STEEL)
ST-19	THROATED CURB INLET (STEEL, CONTINUED)
ST-20	THROATED CURB INLET (NOTES)
ST-21	THROATED CURB INLET (1 OF 3)
ST-22	THROATED CURB INLET (2 OF 3)
ST-23	THROATED CURB INLET (3 OF 3)
ST-24	MITERED END SECTIONS
ST-25	MITERED END SECTION (CONTINUED)
ST-26	MITERED END SECTION (CONTINUED)
ST-27	STORMWATER DRAINAGE MITERED
ST-28	ENDWALL DESIGNS (RIP-RAP)
ST-29	ENDWALL DESIGNS (NOTES)
ST-30	ENDWALL DESIGNS
ST-31	CONCRETE ENDWALL DESIGNS
ST-32	HEADWALL DESIGNS
ST-33	EXFILTRATION TRENCH
ST-34	STORM PIPE JOINT WRAPPING
ST-35	HAY BALE INSTALLATION
ST-36	TURBIDITY BARRIER INSTALLATION (1 OF 2)
ST-37	TURBIDITY BARRIER INSTALLATION (2 OF 2)
ST-38	SILT FENCE INSTALLATION
ST-39	ROOT BARRIER PROTECTION
ST-40	SITE CATCH BASINS & DITCH BOTTOM INLETS (1 OF 3)
ST-41	SITE CATCH BASINS & DITCH BOTTOM INLETS (2 OF 3)
ST-42	SITE CATCH BASINS & DITCH BOTTOM INLETS (3 OF 3)

## **TC – TRAFFIC CALMING STANDARDS**

TC-1	SPEED HUMP WITH PLANTER
TC-2	SPEED HUMP WITH PLANTER (CONTINUED)
TC-3	SPEED HUMP WITH MEDIAN
TC-4	FAUX SPEED HUMP
TC-5	NOTE APPLICABLE TO TRAFFIC CALMING

## **WS – WATER SERVICE STANDARDS**

- WS-1 1" & 2" SERVICE INSTALLATION
- WS-2 DUAL SERVICE INSTALLATION
- WS-3 MULTIPLE METER SERVICE INSTALLATION
- WS-4 1" & 2" & DUAL SERVICE SIDEWALK INSTALLATION
- WS-5 DOMESTIC SERVICE LOCATION
- WS-6 3" & LARGER DOMESTIC METER DETAIL
- WS-7 3" & LARGER METER LEGEND
- WS-8 3" & LARGER DUAL REDUCED PRESSURE BACKFLOW PREVENTER
- WS-9 FIRE/FLOW METER TO PRIVATE SERVICE
- WS-10 DOUBLE CHECK DETECTOR & METER INSTALLATION
- WS-11 IRRIGATION BACKFLOW ASSEMBLY
- WS-12 DUAL BACKFLOW PREVENTER ASSEMBLY ¾" THROUGH 2"