

STANDARD DETAILS 2008

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
SEPARATER 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 NOTES APPLICABLE TO PRESSURE PIPE SYSTEMS

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 PUMP STATION PUMP
PANEL PUMP CONTROL PANEL (DUPLEX PUMP CONTROL PANEL
DEAD FRONT (VIEW)
SLS-13 ELECTRICAL LINE DIAGRAM
(SINGLE) PUMP & RTU ELECTRICAL
PANELS SUB-PANEL LAYOUT
SLS-16 BY-PASS PUMP
CONNECTION BACKFLOW DETAIL FOR L.S WATER
SERVICE 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"