ABBREVIATIONS

AA	ANNUAL AVERAGE	FOC	FACE OF CONCRETE	NIC	NOT IN CONTRACT	SP	SPACING
AB	ANCHOR BOLT	FPM	FEET PER MINUTE	NP	NO PAINT	SPEC	SPECIFICATION
ABAN	ABANDON	FPS	FEET PER SECOND	NPL	NAME PLATE	SQ	SQUARE
ABC	AGGREGATE BASE COURSE	FPW	FIRE PROTECTION WATER SUPPLY	NPT	NATIONAL PIPE THREAD	SQ FT	SQUARE FEET
AC	AIR CONDITIONING	FR	FRAME	NPW	NON-POTABLE WATER	SQ IN	SQUARE INCH
ACOUS	ACOUSTICAL	FRP	FIBERGLASS REINFORCED PLASTIC	NRS	NON-RISING STEAM	SQ YD	SQUARE YARD
ACP	ASPHALTIC CONCRETE	FSTNR	FASTENER	NS	NEAR SIDE	SRT	SOLIDS RETENTION TIME
AD	AREA DRAIN OR ACCESS DOOR	FT	FEET	NTS	NOT TO SCALE	SS	SANITARY SEWER
ADD	ADDENDUM	FTG	FOOTING OR FITTING			SST	STAINLESS STEEL
ADJ	ADJUSTABLE	FUR	FURNACE	OC	ON CENTER	SST BT	STAINLESS STEEL BOLT
AFF	ABOVE FINISHED FLOOR			OD	OUTSIDE DIAMETER	ST	STREET
AFG	ABOVE FINISHED GRADE	G	GAS	OE	OVERHEAD ELECTRIC	STA	STATION
AHU	AIR HANDLING UNIT	GA	GAUGE	OF	OVER FLOW	STD	STANDARD
AL	ALUMINUM	GAL	GALLON	OPNG	OPENING	STL	STEEL
ALT	ALTERNATE	GALV	GALVANIZED	OPP	OPPOSITE	STL JST	STEEL JOIST
AMT	AMOUNT	GB	GRADE BREAK	OPT	OPTIONAL	STL PL	STEEL PLATE
AOR	ACTUAL OXYGEN REQUIRED/ UPTAKE RATE	GIP	GALVANIZED IRON PIPE			SUPP	SUPPLY
APPROX	APPROXIMATE	GRND	GROUND	P	PUMP	SUSP CLG	SUSPENDED CEILING
ARV	AIR RELIEF VALVE	GPD	GALLONS PER DAY	PA	PIPE ANCHOR	SV	SOLENOID VALVE
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	GPM	GALLONS PER MINUTE	PAR	PARALLEL	SVC	SERVICE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GR	GRIT SLURRY	PCO	PRESSURE CLEAN OUT	SW	SIDEWALK
ASPH	ASPHALT	GR BM	GRADE BEAM	PCP	PROGRESSING CAVITY PUMP	SWMP	STORM WATER MANAGEMENT PLAN
ASSY	ASSEMBLY	GRC	GALVANIZED RIGID CONDUIT	PE	PLAIN END	SYMM	SYMMETRICAL
ATS	AUTOMATIC TRANSFER SWITCH	GRTG	GRATING	PEFF	PRIMARY EFFLUENT	SYS	SYSTEM
AVG	AVERAGE	GSP	GALVANIZED STEEL PIPE	PERM	PERMANENT		
AVS	AUTOMATIC VALVE STATION	GV	GATE VALVE	PERP	PERPENDICULAR	T&B	TOP AND BOTTOM
AWWA	AMERICAN WATER WORKS ASSOCIATION	GWB	GYPSUM WALL BOARD	PG	PRESSURE GAGE	T&G	TONGUE AND GROOVE
				PH	PEAK HOUR	T&P	TEMPERATURE AND PRESSURE
B	BLOWER	H	HIGH	PL	PLATE OR PROPERTY LINE	TB	TOP OF BEAM
BB	BOND BEAM	HB	HOSE BIB	PLBG	PLUMBING	TBK	THRUST BLOCK
BAF	BAFFLE	HBP	HOT BITUMINOUS PAVEMENT	PLYWD	PLYWOOD	TBM	TEMPORARY BENCH MARK
BC	BACK OF CURB	HDWL	HEAD WALL	PNT	PAINT	TD	TRENCH DRAIN
BF	BOTTOM FACE	HNDRL	HAND RAIL	POLY	POLYETHYLENE	TE	TOP ELEVATION
BFV	BUTTERFLY VALVE	HNDWL	HANDWHEEL	PORT	PORTABLE	TEMP	TEMPORARY
BIO	DIGESTED SLUDGE	HORIZ	HORIZONTAL	POS	POSITIVE	TF	TOP OF FOOTING
BLDG	BUILDING	HP	HORSEPOWER	PPM	PARTS PER MILLION	TFA	TO FLOOR ABOVE
BLK	BLOCK	HR	HOUR	PREFAB	PREFABRICATED	TFB	TO FLOOR BELOW
BM	BENCHMARK	HRT	HYDRAULIC RESIDENCE TIME	PREFIN	PREFINISHED	TFF	TOP OF FINNISH FLOOR
BMPS	BEST MANAGEMENT PRACTICES	HS	HIGH STRENGTH	PRELIM	PRELIMINARY	THD	THREAD(ED)
BOD	BIOCHEMICAL OXYGEN DEMAND	HVAC	HEATING, VENTILATION, AIR CONDITIONING	PREP	PREPARATION	THK	THICK
BOT	BOTTOM	HW	HOT WATER	PROJ	PROJECT	TJ	TOP OF JOIST
BSMT	BASEMENT	HWL	HIGH WATER LINE	PROP	PROPERTY	TOB	TOP OF BANK
BV	BALL VALVE	HWY	HIGHWAY	PRS	PRESSURE REDUCING STATION	TOC	TOP OF CONCRETE
		HYD	HYDRANT	PRV	PRESSURE REDUCING VALVE	TOE	THREADED ONE END
CA	COMPRESSED AIR			PRTV	PRESSURE TEMPERATURE RELIEF VALVE	TOF	TOP OF FOOTING
C/C	CENTER TO CENTER	INCL	INCLUDED	PSF	POUNDS PER SQUARE FOOT	TOT	TOTAL
CB	CATCH BASIN	INCR	INCREASER	PSI	POUNDS PER SQUARE INCH	TOW	TOP OF WALL
CCW	COUNTER CLOCKWISE	ID	INSIDE DIAMETER	PSIA	POUNDS PER SQUARE INCH ABSOLUTE	TP	TOP OF PAVEMENT
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION	IF	INSIDE FACE	PSIG	POUNDS PER SQUARE INCH GAGE	TR	TOP OF RIM
CEN	CENTRATE	INF	INFLUENT	PT	POINT OF TANGENCY	TSL	TOP OF SLAB
CIP	CAST IRON PIPE	INL	INLET	PV	PLUG VALVE	TWL	TOP WATER LEVEL
CJ	CONSTRUCTION JOINT	INSTL	INSTALLATION	PVC	POLYVINYL CHLORIDE	TYP	TYPICAL
CL	CHAIN LINK OR CENTER LINE	INSTR	INSTRUMENT	PVMT	PAVEMENT		
℄	CENTER LINE	INSUL	INSULATION	PW	POTABLE WATER	UBC	UNIFORM BUILDING CODE
CLG	CEILING	INTR	INTERIOR			UNGD	UNDERGROUND
CLR	CLEAR	INV	INVERT	QAVG	AVERAGE DAILY FLOW	UGE	UNDERGROUND ELECTRIC
CMP	CORRUGATED METAL PIPE	INV EL	INVERT ELEVATION	QMAX	MAXIMUM DAILY FLOW	UGT	UNDERGROUND TELEPHONE
CMU	CONCRETE MASONRY UNIT	ISA	INSTRUMENT SOCIETY OF AMERICA	QPEAK	PEAK HOUR FLOW	ULT	ULTIMATE
CO	CLEAN OUT	ISO	ISOMETRIC	QCV	QUICK COUPLER VALVE	UN	UNION
CONSTR	CONSTRUCTION			QTR	QUARTER	UNFIN	UNFINISHED
CONT	CONTINUOS	JST	JOIST	QTY	QUANTITY	UNIF	UNIFORM
COR	CORNER	JTS	JOINTS			UV	ULTRAVIOLET
CP	CENTRIFUGAL PUMP			R	RISER		
CPLG	COUPLING	KO	KNOCKOUT	RAD	RADIUS	VAC	VACUUM
CTR	CENTER	KPL	KICK PLATE	RAS	RETURN ACTIVATED SLUDGE	VB	VALVE BOX
CU FT	CUBIC FEET	KWY	KEYWAY	RC	REINFORCED CONCRETE	VCP	VITRIFIED CLAY PIPE
CW	COLD WATER			RCP	REINFORCED CONCRETE PIPE	VERT	VERTICAL
CWL	CONTROL WATER LEVEL	L	LEFT OR LITER	RD	ROOF DRAIN	VIF	VERIFY IN FIELD
CY	CUBIC YARDS	LAB	LABORATORY	RED	REDUCER	VTR	VENT THROUGH ROOF
		LATL	LATERAL	REC	RECESSED		
DEFL	DEFLECTION	LB(S)	POUND(S)	RECT	RECTANGULAR	W	WIDE, WIDTH, WATER OR WEST
DEMO	DEMOLITION	LCMU	LIGHTWEIGHT CONCRETE MASONRY UNIT	REF	REFERENCE	W/	WITH
DI	DEIONIZATION	LF	LINEAR FOOT	REHAB	REHABILITATION	W/O	WITHOUT
DIA	DIAMETER	LG	LENGTH	REINF	REINFORCE	W/W	WALL TO WALL
DIAG	DIAGONAL	LH	LATENT HEAT	REQD	REQUIRED	WAS	WASTE ACTIVATE SLUDGE
DIM	DIMENSION	LL	LIVE LOAD	RESIL	RESILIENT	WC	WATER CLOSET
DIP	DUCTILE IRON PIPE	LOC	LOCATION	RFCA	RESTRAINED FLANGED COUPLING ADAPTER	WCO	WALL CLEANOUT
DL	DEAD LOAD	LP	LOW PRESSURE OR LIGHT POLE	RFG	ROOFING	WD	WOOD
DN	DOWN	LRG	LARGE	RH	RIGHT HAND	WDW	WINDOW
DR	DRAIN	LT	LIGHT	RM	ROOM	WH	WALL HYDRANT
DWG	DRAWING	LT WT	LIGHT WEIGHT	RND	ROUNDS	WHSE	WAREHOUSE
DWL	DOWEL	LWC	LIGHT WEIGHT CONCRETE	RO	ROUGH OPENING	WI	WROUGHT IRON
DWV	DRAIN WASTE AND VENT	LWL	LOW WATER LEVEL	ROW	RIGHT OF WAY	WL	WATER LINE OR WIND LOAD
				RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	WP	WASTE PIPE
EA	EACH	MAINT	MAINTENANCE	RMP	REVOLUTIONS PER MINUTE	WPR	WORKING PRESSURE
ECC	ECCENTRIC	MAN	MANUAL	RPS	REVOLUTIONS PER SECOND	WSE	WATER SURFACE ELEVATION
EF	EACH FACE OR ELECTRICAL FAN	MATL	MATERIAL	RTN	RETURN	WSR	WASTE SLUDGE RECYCLE
EFF	EFFLUENT	MAX	MAXIMUM			WT	WEIGHT
EJ	EXPANSION JOINT	MCC	MOTOR CONTROL CENTER	S	SOUTH	WTR	WATER
EL	ELEVATION	MECH	MECHANICAL	SA	SUPPLY AIR	WTRPRF	WATERPROOFING
EXST	EXISTING	MED	MEDIUM	SALV	SALVAGE	WW	WASTEWATER
EXST GR	EXISTING GRADE	MFM	MAGNETIC FLOW METER	SAN	SANITARY	WWF	WELDED WIRE FABRIC
EXT	EXTERIOR	MFR	MANUFACTURER	SB	SPLASH BLOCK	X-SECT	CROSS SECTION
EXTN	EXTENSION	MG	MILLION GALLONS OR MILLIGRAMS	SBNR	SINGLE BASIN NUTRIENT REMOVAL		
		MGD	MILLION GALLONS PER DAY	SCFM	STANDARD CUBIC FEET PER MINUTE	YCO	YARD CLEANOUT
FF	FINISHED FLOOR	MGMT	MANAGEMENT	SCH	SCHEDULE	YD	YARD DRAIN
F/F	FACE TO FACE	MH	MANHOLE	SCRN	SCREEN	YH	YARD HYDRANT
FCA	FLANGE COUPLING ADAPTER	MIN	MINIMUM	SD	STORM DRAIN		
FD	FLOOR DRAIN	MISC	MISCELLANEOUS	SDR	STANDARD DIMENSION RATIO		
FDN	FOUNDATION	MJ	MECHANICAL JOINT	SECT	SECTION		
FED	FEDERAL	MLSS	MIXED LIQUID SUSPENDED SOLIDS	SEFF	SECONDARY EFFLUENT		
FES	FLARED END SECTION	MM	MAX MOUNTH	SHT	SHEETING OR SHEET		
FF	FINISH FLOOR	MO	MASONRY OPENING	SHTHG	SHEATHING		
FIN	FINISH	MRGYB	MOISTURE RESISTANT GYPSUM WALL BOARD	SIM	SIMILAR		
FLG	FLANGE	MTG	MOUNTING	SLR	SLUDGE LOADING RATE		
FL OR ℄	FLOW LINE			SLV	SLEEVE		
FN	FENCE	N	NITROGEN OR NORTH	SM	SMOOTH		
FM	FLOW METER OR FORCE MAIN	NA	NOT APPLICABLE	SOR	STANDARD OXYGEN REQUIRED/ UPTAKE RATE		
		NF	NEAR FACE	SOTE	STANDARD OXYGEN TRANSFER EFFICIENCY		

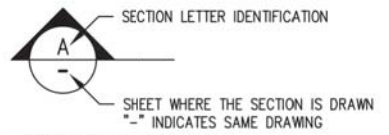
LEGEND

EARTH
ROCK
GROUT
GRAVEL
STEEL
CONCRETE
SAND
CONCRETE MASONRY UNIT
RIGID INSULATION
BATT INSULATION
GLASS
STEEL PLATE
SCREEN
GRATING IN PLAN
GRATING IN SECTION
WOOD IN SECTION
EXISTING STRUCTURE
NEW STRUCTURE
DRAINAGE FLOW LINE
FENCE
BUSHES, TREES
BID ALTERNATE

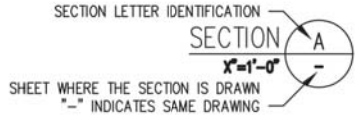
THRUST BLOCK
PIPE 4" ø OR GREATER
HARNESSED MECHANICAL COUPLING
NEW VALVE W/ TIE RODS
EXISTING VALVE
BUTTERFLY VALVE
CHECK VALVE
MECHANICAL JOINT
FLANGED JOINT
NEW PIPE IN SECTION
EXISTING PIPE IN SECTION
WALL SLEEVE
PIPE LESS THAN 4"ø
LINE TURNING UP
LINE TURNING DOWN
STOP & WASTE VALVE
BALL VALVE
PLUG VALVE
GATE VALVE
PRESSURE RELIEF VALVE

GAS LINE
WATER LINE
TELEPHONE LINE
PROPOSED STORM DRAIN/CULVERT
UNDERGROUND ELECTRIC
OVERHEAD ELECTRIC W/ POWER POLE
ELECTRICAL LIGHT POLE
EXISTING SANITARY SEWER
PROPOSED SANITARY SEWER
PROPERTY LINE
SURVEY CONTROL POINT
LIMITS OF PROPOSED ACCESS ROAD
PROPOSED CONTOUR
EXISTING CONTOUR
SILT FENCE

SYMBOLS

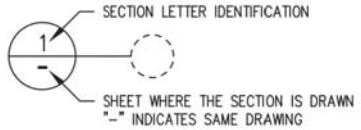


SECTION OR ELEVATION MARKER
ARROW INDICATES VIEWING ORIENTATION



SECTION OR ELEVATION TITLE

DETAIL MARKER



DETAIL TITLE

0 1
IF THIS BAR DOES NOT MEASURE 1" DRAWING IS NOT TO LABELED SCALE

Orsatti Water Consultants

TOWN OF GEORGETOWN
LAKE LAGOON DREDGING PROJECT

ABBREVIATIONS, LEGEND, & SYMBOLS

PROJECT No.: 17007
DATE: 5/10/2018
DESIGNED BY: RPO
DRAWN BY: KPR
CHECKED BY: RPO/ERO

G-2