ABBREVIATIONS

Aeration Basin	AB
Aeration Basin Influent	ABI
Above Finished Floor	AFF
Acre	AC
Additional	ADDL
Ahead	AHD
Altitude	ALT
Aluminum	AL
Amount	AMT
Approximate	APPROX
Arc Distance	A
Asbestos-Cement Pipe	ACP
Asphalt	ASPH
Assembly	ASSY
Automatic	AUTO
Auxiliary	AUX
Avenue	AVE
Average	AVG
Back Pulse	BP
Backwash Drain	BWD
Backwash Supply	BWS
Ball Valve	BV
Basin Drain	BD
Bearing	BRG
Bell Up	BU
Bench Mark	BM
Blind Flange	BF
Bad Feed	BF
Belt Filter Press	BFP
Both Ways	BW
Building	BLDG
Butterfly Valve	BFV
Cannibal Solids Separation and Dewatering	CSSD
Catch Basin	CB
Cast Iron	CI
Cast Iron Pipe	CIP
Center	CTR
Centered	CTD
Centers	CTRS
Center Line	℄
Check Valve	CV
Chemical	CHEM
Chord Distance	CHD
Circle	CIR
Clean-in-place	CIP
Clear	CLR
Clearance	CL
Clean out	CO
Column	COL
Compaction	CMPT
Concrete	CONC
Concrete Masonry Unit	CMU
Construction	CONST
Construction Joint	CJ
Continuous or Continued	CONT
Corner	COR
Corporation	CORP
Corrugated Metal Pipe	CMP
Coupling	CPLG
Cubic Feet	CU FT
Cubic Feet Per Minute	CFM
Cubic Feet Per Second	CFS
Cubic Inch	CU IN
Cubic Inch Displacement	CID
Cubic Yard	C.Y.
Culvert	CULV
Deformed Anchor Stud	DAS
Department	DEPT
Detail	DET
Dewatered Purge Sludge	DPS
Diameter	DIA
Discharge	DISCH

Distance	DIST
Double Tee	DT
Down	DN
Drawing(s)	DWG(s)
Ductile Iron Pipe	DIP
Each	EA
Each Face	EF
Each Way	EW
Easement	ESMT
Eccentric	ECC
Effluent	EFFL
Elbow	ELB
Elevation	EL
Equipment	EQPT
Estimate	EST
Existing	EX, EXST
Expansion	EXP
Feet (foot)	FT
Fibre-Reinforced Polymer	FRP
Figure	FIG
Finish	FNSH
Finished Water	FW
Finish Floor Elevation	FFE
Finish Grade	FNSH GR
Fire Hydrant	FH
Flange	FLG
Flange Coupling Adapter	FCA
Flared End Section	FES
Floor Drain	FD
Flow Line	FL
Footing	FTG
Force Main	FM
Gage (Gauge)	GA
Gallon	GAL
Gallons Per Minute	GPM
Galvanize (d)	GALV
Galvanized Iron	GALVI
Gate Valve	GTV
Grating	GRTG
Ground	GR
Ground Water	GW
Hard Valve (manual)	HV
Harnessed Mechanical Clpg	HMC
Headed Anchor Stud	HAS
Height	HGT
High Water Level	HWL
Horizontal	HORZ
Horsepower	HP
Hosebib	HB
Inch	IN
Influent	INF, INFL
Inside Diameter	ID
Interchange Activated Sludge	IAS
Interchange Activated Sludge Feed	IASF
Interchange Activated Sludge Return	IASR
IAS Purge Sludge	IASPS
Interior	INTR
Invert	INV
Invert Elevation	IE
Joint	JT
Keyway	KWY
Left	LT
Linear Feet	LF
Low Water Level	LWL
Male Pipe Thread	MPT
Malleable Iron Pipe	MIP
Manhole	MH
Manufacturer	MFR
Material	MATL
Maximum	MAX
Mechanical	MECH
Mechanical Coupling	MC
Mechanical Joint	MJ

Mega - Flange	MF
Million Gallons	MG
Million Gallons/Day	MGD
Minimum	MIN
Miscellaneous	MISC
Mixed Liquor	ML
Non-Potable Water	NPW
Northwest	NW
Not In Contract	NIC
Not To Scale	NTS
Number	NO
Odorous Air	OA
On Center	OC
Opening	OPNG
Ounce	OZ
Outside Diameter	OD
Oxidation	OX
Pipe Anchor	PA
Pipe Support	PS
Plain End	PE
Plant Drain	PD
Plate (Steel)	PL
Plug Valve	PV
Point or Point of Tangency	PT
Point of Curvature	PC
Polyvinyl Chloride	PVC
Potable Water	PW
Pounds	LBS
Pounds Per Square Inch	PSI
Press Feed	PF
Presswater Feed	PWF
Pressure Reducing Station	PRS
Pressure Reducing Valve	PRV
Primary Clarifier Influent	PCI
Purge Sludge	PS
Property Line	℘
Quick Connect	QC
Radial	RADL
Radius	R
Raw Water	RW
Reducer	RDCR
Reinforce & Reinforcing	REINF
Reinforced Concrete Pipe	RCP
Required	REQD
Requirements	REQ'MTS
Restrained Joint	RJ
Return Activated Sludge	RAS
Revision	REV
Right	RT
Right of Way	ROW
Road	RD
Sample	SAM
Secondary Effluent	SE
Sanitary Sewer	SEW
Schedule	SCH
Screened Return Activated Sludge	SRAS
Section	SEC
Sheet	SHT
Sidewalk	SW
Similar	SIM
Sleeve	SLV
Slope	SL
Southwest	SW
Spacing	SPG
Specifications	SPEC
Square	SQ
Square Feet	SQ FT
Stainless Steel	SS
Standard	STD
Station	STA
Steel	STL
Storm Sewer	SSEW
Structural	STR
Surface Wash Supply	SWS

Tangent or Top	T
Temperature	TEM
Temporary	TEMP
Temporary Bench Mark	TBM
Thrust Block	TB
Thrust Restrain	TR
Top of Foundation	TF
Top of Wall	TOW
Top and Bottom	T&B
Typical	TYP
Ultraviolet	UV
Underground Electric	UGE
Underground Telephone	UGT
Underground Television	UGTV
Unless Noted Otherwise	UNO
Valve Box	VB
Vertical	VERT
Violaulic	VIC
Vertical Point of Intersection	VPI
Vertical Point of Curvature	VPC
Vertical Point of Tangency	VPT
Vertical Point on Curve	VPOC
Vitrified Clay Pipe	VCP
Volume	VOL
Wastewater Treatment Plant	WWTP
Waste Activated Sludge	WAS
Water	W
Waterstop	WS
With	W/
Yard	YD

LEGEND

CENTERLINE
CURB AND GUTTER
CULVERT
DITCH OR STREAM
EDGE OF PAVEMENT
EDGE OF GRAVEL
FENCE
FIBER OPTICS LINE
FM — FORCEMAIN
GAS LINE
5015 — INDEX CONTOUR (Proposed)
5014 — INTERMEDIATE CONTOUR (Proposed)
5015 — INDEX CONTOUR (Existing)
INTERMEDIATE CONTOUR (Existing)
OVERHEAD UTILITY LINE
PERMANENT EASEMENT
PROPERTY LINE
RIGHT-OF-WAY LINE
SANITARY SEWER/WATERLINE (Proposed)
SANITARY SEWER LINE
SECTION LINE
STORM DRAIN LINE
STORM DRAIN (Proposed)
TEMPORARY CONSTRUCTION EASEMENT
UNDERGROUND ELECTRIC LINE
UNDERGROUND CABLE TV
UNDERGROUND IRRIGATION LINE
UNDERGROUND TELEPHONE LINE
WATERLINE

ASPHALT PAVING
CONCRETE
GROUND
GROUT

FIRE HYDRANT
YARD HYDRANT
WATER METER
WATER VALVE
WATER BLOW OFF VALVE
THRUST BLOCK
WATER MANHOLE
SEWER MANHOLE
SEWER CLEAN OUT
STORM MANHOLE
GAS METER
GAS VALVE
DOWN SPOUT
DECIDUOUS TREE
CONIFEROUS TREE
SHRUB
AREA LIGHT
BOLLARD
MONITOR WELL
MISCELLANEOUS PIPE
MISCELLANEOUS MANHOLE
MISCELLANEOUS PEDESTAL
TANK FILL LID
MAIL BOX
FUEL PUMP
RAILROAD SWITCH
TEST HOLE
POT HOLE
FLAG POLE
CATHODE PROTECTION TEST
MISCELLANEOUS POLE
GATE POST
PLUG VALVE
CHECK VALVE
ELECTRONICALLY ACTIVATED VALVE

CABLE TV PEDESTAL
TELEPHONE PEDESTAL
TELEPHONE MANHOLE
LIGHT POLE
IRRIGATION CONTROL BOX
IRRIGATION CONTROL VALVE
IRRIGATION PEDESTAL
SPRINKLER VALVE
BENCHMARK
PANEL POINT
SURVEY CONTROL
ELECTRIC METER
ELECTRIC MANHOLE
ELECTRIC PEDESTAL
ELECTRIC BOX
ELECTRIC SWITCH
CONTROL BOX
UTILITY POLE
GUY ANCHOR
GUY POLE
SIGNAL POLE
SIGNAL BOX
SIGN
FOUND MONUMENTATION AS NOTED
FOUND CHISELED "+"
FOUND SECTION CORNER AS NOTED
FOUND QUARTER CORNER AS NOTED
FOUND R/W MARKER AS NOTED
WATER SERVICE
SANITARY SEWER SERVICE
FLARED END SECTION
SPRING
HANDICAP PARKING OR RAMP

PROPOSED — Example (BLACK)
EXISTING — Example (SCREENED)

STANDARD SYMBOLS

SECTION NO. A
DIRECTION OF SECTION CUT
A / C12
SECTION SHOWN ON SHEET NO. C1.2

SECTION
SCALE
SECTION NO. A
A / C18
SECTION CUT ON SHEET NO. C1.8

DETAIL NO. 1
1 / C1.2
SHOWN ON SHEET NO. C1.2

DETAIL 1
DETAIL
SCALE
1 / C18
DETAIL TAKEN FROM SHEET NO. C1.8

D=DOOR
L=LOUVER
W=WINDOW
D / 2
OPENING
OPENING NO.

VALVE NO.
902

ELEVATION

✳ DIMENSION TO BE DETERMINED BY EQUIPMENT FURNISHED.

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Top Center	COVER SHEET
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C1	OVERALL SITE PLAN
C2	SITE GRADING PLAN
C3	SANITARY SEWER PLAN AND PROFILE
C4	SANITARY SEWER PLAN AND PROFILE
C5	LIFT STATION PLAN
C6	LIFT STATION SECTION
C7	LIFT STATION SECTION
C8	LIFT STATION SECTION
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S10	STRUCTURAL DETAILS
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ARCHITECTURAL	
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NO.	DATE	REVISIONS	BY

DRAWN JWL | DESIGNED SB | DATE APRIL 2009
SCALE AS SHOWN | CHECKED SB | APPROVED RCS | PROJ. NO. 09028.20

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ABBREVIATIONS LEGEND AND INDEX

SCALE VERIFICATION 0 — 1" IF NOT 1 INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

SHEETS

SHEET G1