ABBREVIATIONS LIST

ABBREVIATIONS	DESCRIPTIONS
A	
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AC	ACRE OR AIR COMPRESSOR
ACI	AMERICAN CONCRETE INSTITUTE
AD	AIR DRYER OR GRADE CHANGE
ADMIN	ADMINISTRATION
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AFG	ABOVE FINISHED GRADE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AR	AIR RECEIVER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVE	AVENUE
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
B	
BEG	BEGIN
BGS	BELOW GROUND SURFACE
BLDG	BUILDING
BM	BEAM
BMP's	BEST MANAGEMENT PRACTICES
BOS	BOTTOM OF STEEL
BP	BEGIN ALIGNMENT
BRG	BEARING
C	
C	CONDUIT
CA	COMPRESSED AIR
CB	CONTAINER BERTH
CBP	CUSTOMS AND BORDER PROTECTION
CCTV	CLOSED CIRCUIT TELEVISION
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CIP	CAST-IN-PLACE
CKD	CHECKED
CLR	CLEAR
CMB	CRUSHED MISCELLANEOUS BASE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATES
CPT	CONE PENETRATION TEST
CPP	CRUMPLER PLASTIC PIPE
CTIL	CHATHAM TERMINAL INDUSTRIAL LEAD
CTR	CENTER
CY	CUBIC YARD
D	
DA	DRAINAGE AREA
DACS	DATA ACQUISITION & CONTROL SYSTEM
DC	DYNAMIC COMPACTION
DEG	DEGREE
DET	DETAIL
DEMO	DEMOLITION OR DEMOLISH
DIA	DIAMETER
DI	DUCTILE IRON
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DPI	DIFFERENTIAL PRESSURE INDICATOR
DPSH	DIFFERENTIAL PRESSURE SWITCH-HIGH
DWG	DRAWING
DWN	DRAWN
E	
E	EAST OR ELECTRICAL
EA	EACH
EB	EAST BUNDLE
EC	EMPTY CONDUIT
EG	EXAMPLE GIVEN OR EXISTING GRADE
EJ	EXPANSION JOINT
EL OR ELEV	ELEVATION
ELEC	ELECTRICAL
EMBED	EMBEDMENT OR EMBEDDED
EP	END ALIGNMENT OR EDGE OF PAVEMENT
EQ	EQUAL
EQUIP	EQUIPMENT
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
ES	EACH SIDE
ES&PC	EROSION SEDIMENTATION & POLLUTION CONTROL
ETC	ET CETERA
EXIST OR EX	EXISTING
EXP	EXPANSION
F	

ABBREVIATIONS LIST

ABBREVIATIONS	DESCRIPTIONS
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDN	FOUNDATION
FES	FLARED END SECTION
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FL OR FLG	FLANGE
FM	FLOW METER OR FORCE MAIN
FT	FOOT OR FEET
FR	FRAME
FRP	FIBER REINFORCED POLYMER
FS	FLOW SWITCH
G	
GA	GAUGE OR GEORGIA
GABC	GRADED AGGREGATE BASE COURSE
GALV	GALVANIZED
GCL	GARDEN CITY LEAD
GCT	GARDEN CITY TERMINAL
GDOT	GEORGIA DEPARTMENT OF TRANSPORTATION
GI	GRATE INLET
GPA	GEORGIA PORTS AUTHORITY
GPF	GENERAL PURPOSE FILTER
GB	GRADE BREAK
GR	GRADE
GSWCC	GEORGIA SOIL & WATER CONSERVATION COMMISSION
H	
H	HEIGHT
HBR	HERCULES BACKER ROD
HD	HIGH DENSITY
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HEF	HIGH EFFICIENCY FILTER
HK	HOOK
HMP	HIGH MAST POLE
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL STEEL
I	
IAW	IN ACCORDANCE WITH
IBC	INTERNATIONAL BUILDING CODE OR INTER BOX CONNECTOR
ICTF	INTERMODAL CONTAINER TRANSFER FACILITY
ID	INNER DIAMETER
IE	INVERT ELEVATION
IMMC	INTERNATIONAL MULTI-MODAL CONNECTOR
IN	INCHES
INC.	INCORPORATED
INFO	INFORMATION
INV	INVERT
IY	INTERMODAL YARD
J	
JT	JOINT
K	
K	KIPS
KLF	KIPS PER LINEAR FOOT
KSI	KIPS PER SQUARE INCH
L	
LAT	LATITUDINAL
LB	POUND
LBS	POUNDS
LED	LIGHT-EMITTING DIODE
LF	LINEAR FEET
LG	LONG
LH	LEFT HAND
LONG	LONGITUDINAL
LP	LOW POINT
LR	LOW RELAXATION
LSH	LEVEL SWITCH-HIGH
LT	LEFT OR LONG TON
LV	PROFILE CURVE LENGTH
M	
M	METER
MAINT	MAINTENANCE
MAT'L	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MH	MANHOLE
MHW	MEAN HIGH WATER
MHHW	MEAN HIGHER HIGH WATER
MIN	MINIMUM
MISC	MISCELANEOUS
mm	MILLIMETER
MJ	MECHANICAL JOINT
MPH	MILES PER HOUR
MSE	MECHANICALLY STABILIZED EARTH
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL
N	
N	NORTH

ABBREVIATIONS LIST

ABBREVIATIONS	DESCRIPTIONS
NA	NEUTRAL AXIS
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPT	NATIONAL PIPE THREAD
NS	NORFOLK SOUTHERN
NS FL	NORFOLK SOUTHERN FOUNDATION LEAD
NTS	NOT TO SCALE
NTU	NEPHELOMETRIC TURBIDITY UNIT
O	
OC	ON CENTER
OD	OUTER DIAMETER
OFF	OFFSET
OTM	OTHER TRACK MATERIAL
OWS	OIL WATER SEPARATOR
P	
PC	POINT OF CURVATURE
P/C	PRECAST
PEN	PENETRATION
PG	PROPOSED GROUND
PH	PHASE
PI	POINT OF INTERSECTION OR PRESSURE INDICATOR
PITO	POINT OF INTERSECTION TURNOUT
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PNL	PANEL
PROP	PROPOSED
PS	POINT OF SWITCH
P/S	PRESTRESSED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	POINT OF TANGENT OR PRESSURE TRANSMITTER
P/T	POST-TENSION
PVC	POINT OF VERTICAL CURVE OR POLYVINYL CHLORIDE
PVI	VERTICAL POINT OF INTERSECTION
PVMT	PAVEMENT
PVT	VERTICAL POINT OF TANGENCY
PWR	POWER
Q	
QTY	QUANTITY
R	
R OR RAD	RADIUS
R/C	REINFORCED CONCRETE
RCEP	REINFORCED CONCRETE ELLIPTICAL PIPE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION
RGS	RIGID GALVANIZED STEEL
RH	RIGHT HAND
RMG	RAIL MOUNTED GANTRY CRANE
RPM	RADIATION PORTAL MONITOR
RR	RAILROAD
RT	RIGHT
ROW	RIGHT-OF-WAY
RTG	RUBBER TIRED GANTRY CRANE
S	
S	SOUTH
SAPT	SAVANNAH PORT TERMINAL RAILROAD
SAV	SAVANNAH
SCH	SCHEDULE
SD	STORM DRAIN
SDR	STANDARD DIMENSION RATIO
SEC	SECOND
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SNG	SOUTHERN NATURAL GAS
SPA	SPACES
SPECS	SPECIFICATIONS
SPT	STANDARD PENETRATION TEST
SQ	SQUARE
SR	STATE ROAD
SS	STAINLESS STEEL OR SANITARY SEWER
STA	STATION
STD	STANDARD
STL	STEEL
STR OR STRUC	STRUCTURE OR STRUCTURAL
SY	SQUARE YARD

ABBREVIATIONS LIST

ABBREVIATIONS	DESCRIPTIONS
T	
T	TON OR TELEPHONE
T&B	TOP & BOTTOM
TC	TOP OF CURB
TD	TIE-DOWN
TEMP	TEMPORARY
TEU	TWENTY FOOT EQUIVALENT UNIT
THK	THICK
TI	TEMPERATURE INDICATOR
TIMS	TRAIN IN MOTION SIGN
TOA	TURN OF ANCOR
TOB	TOP OF BANK
TOC	TOP OF CONCRETE
TOR	TOP OF RAIL
TOS	TOP OF STEEL
TOW	TOP OF WATER
TP	TOP OF PAVEMENT
TRNSFMR	TRANSFORMER
TYP	TYPICAL
T/	TOP OF
T/DC	TOP OF DYNAMIC COMPACTION
T/G	TOP OF GRAVEL
T/LMR	TOP OF LANDFILL MATERIAL REMOVAL
T/S	TOP OF SUB-BALLAST
U	
UE	UNDERGROUND ELECTRICAL
UHMW	ULTRA HIGH MOLECULAR WEIGHT
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UR	UP RIVER
USCS	UNIFIED SOIL CLASSIFICATION SYSTEM
USF	US FOUNDRY
U.S.	UNITED STATES
V	
V	VOLT
VERT	VERTICAL
W	
W	WIDTH OR WEST
W/	WITH
WB	WEST BUNDLE
WOG	WATER-OIL-GAS
WP	WORKING POINT
WT	WALL THICKNESS
WWF	WELDED WIRE FABRIC
X	
XFMR	TRANSFORMER

SYMBOLS LIST

SYMBOLS	DESCRIPTION
&	AND
@	AT
*	ASTERISK
L	ANGLE
℄	CENTERLINE
°	DEGREES
'	MINUTES OR FEET
#	NUMBER OR POUNDS
%	PERCENT
"	SECONDS OR INCH

MECHANICAL SYMBOLS

- PRESSURE REGULATOR
- CHECK VALVE
- BALL VALVE
- FLEX CONNECTION
- GATE VALVE
- AUTOMATIC DRAIN
- REDUCER

811 Know what's below. Call before you dig.

LEGEND

- EXISTING PAVEMENT EDGE - ASPHALT
- EXISTING GRAVEL YARD
- EXISTING TREE LINE
- EXISTING COMMUNICATIONS VAULT
- EXISTING CONTROL POINT/BENCHMARK
- EXISTING CONTOURS
- EXISTING ELECTRICAL BOX/TRANSFORMER/VAULT
- EXISTING FLARED END SECTION
- EXISTING FIRE HYDRANT
- EXISTING STORM DRAINAGE GRATE INLET
- EXISTING LIGHT POLE
- EXISTING POWER POLE
- EXISTING SANITARY MANHOLE
- EXISTING SIGN
- EXISTING STORM MANHOLE
- EXISTING WATER METER
- EXISTING WATER/GAS/SEWER VALVE
- EXISTING AMMONIA LINE
- EXISTING COMPRESSED AIR LINE
- EXISTING UNDERGROUND COMMUNICATIONS
- EXISTING RAILROAD CENTERLINE
- EXISTING OVERHEAD ELECTRICAL
- EXISTING UNDERGROUND ELECTRICAL
- EXISTING 8' PERIMETER SECURITY FENCE
- EXISTING FLUORIDE LINE
- EXISTING FORCE MAIN
- EXISTING UNDERGROUND NATURAL GAS
- EXISTING SANITARY SEWER
- EXISTING STORM DRAINAGE PIPE
- EXISTING WATER LINE
- ABANDONED EXISTING UTILITY LINE
- PROPOSED GRAVEL
- PROPOSED SUBBALLAST
- PROPOSED TREE LINE
- PROPOSED CONTOURS
- PROPOSED FLARED END SECTION
- PROPOSED CONTROL STRUCTURE
- PROPOSED DRAINAGE GRATE INLET
- PROPOSED POWER POLE
- PROPOSED SIGN
- X 17.99 — PROPOSED SPOT ELEVATION
- SD — PROPOSED STORM DRAINAGE PIPE
- OE — PROPOSED OVERHEAD ELECTRICAL
- CA — PROPOSED COMPRESSED AIR LINE
- X — PROPOSED FENCE
- PROPOSED CONCRETE BARRIER

TYPICAL CALLOUTS

VIEW NUMBER * / ## / #-### / VIEW TITLE / SCALE: 1/4"=1'-0" / SHEET NUMBER VIEW REFERENCED TO

VIEW NUMBER * / ## / #-### / SHEET NUMBER VIEW REFERENCED TO

VIEW TITLE

SECTION CUT

ADDITIONAL SHEET REFERENCES / VIEW NUMBER * / ## / #-### / #-### / SHEET NUMBER VIEW REFERENCED TO

VIEW NUMBER * / ## / #-### / SHEET NUMBER VIEW REFERENCED TO

DETAIL CALLOUT

ELEVATION VIEW

*VIEW NUMBER IS BASED ON THE (DACS) LOCATION OF THE LOWER-LEFT EXTENTS OF THE VIEW ON THE REFERENCED SHEET. WHEN REFERENCING DRAWING INFORMATION BETWEEN SHEETS, BOTH THE VIEW AND SHEET NUMBERS MUST BE QUOTED TOGETHER - EITHER IN A CALLOUT FORMAT AS SHOWN ABOVE OR IN THE FORM;"VIEW NO./SHEET NO." (EG. A1/G-101).

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GCT CAPACITY IMPROVEMENTS - PHASE 2

ABBREVIATIONS, LEGEND & SYMBOLS

Rev.	Description	Date	Appr
0	ISSUE FOR BID	02/03/2021	JHP

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M&N Project No.: 5531-264B
GPA Project No.: 1916-101C
Drawing Scale: AS NOTED
Plot scale: 1:1 (D SHEET)

2 EAST BRYAN ST., STE 501
SAVANNAH, GA 31401
912-231-0044
moffatt & nichol

SEAL

Sheet Reference No.
G-004
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