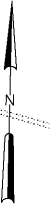
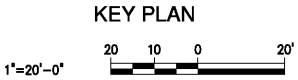
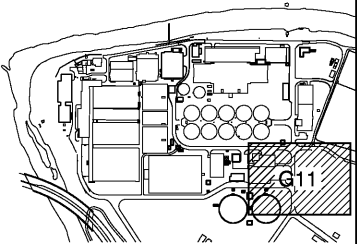


NOTES  
1 SEE NOTES ON DRAWING G1.



PROCESS PIPE DESIGNATIONS

- A AIR
- ADS ANAEROBICALLY DIGESTED SLUDGE
- ALS ALUM SOLUTION
- BAFE BAF EFFLUENT
- BAFI BAF INFLUENT
- BBW BAF BACKWASH
- BS BLENDED SLUDGE
- CAS CAUSTIC SOLUTION
- CLS HYPOCHLORITE SOLUTION
- CR CONDENSATE RETURN
- CS COAGULATION SLUDGE
- D DRAIN
- DAFS DAF SUBNATANT
- DG DIGESTER GAS
- DP DRY POLYMER
- DPD DRAIN PUMP DISCHARGE
- DSU DIGESTER SUPERNATANT
- EQ EQUALIZATION
- EQR EQUALIZATION RETURN
- FBWR FILTER BACKWASH RECLAIM
- FECL FERRIC CHLORIDE
- FD FLOOR DRAIN
- FE FINAL EFFLUENT
- FTE FILTERED EFFLUENT
- GR GRIT
- GTO GRAVITY THICKENER OVERFLOW
- HOCL SODIUM HYPOCHLORITE
- HPW HOT POTABLE WATER
- LPW LIQUID POLYMER
- ML MIXED LIQUOR
- MUW MAKEUP WATER
- NPW NON-POTABLE WATER
- OF OUTFALL
- P POLYMER
- PD PROCESS DRAIN
- PE PRIMARY EFFLUENT
- PS PRIMARY SLUDGE
- PTE PRELIMINARY TREATMENT EFFLUENT
- PW POTABLE WATER
- RAS RETURN ACTIVATED SLUDGE
- RD ROOF DRAIN
- RW RAW WASTEWATER
- S SAMPLE
- SA SERVICE AIR
- SBS SODIUM BISULFITE
- SC SCUM
- SCCE SCUM CONCENTRATOR EFFLUENT
- SCE SECONDARY CLARIFIER EFFLUENT
- SD STORM DRAIN
- SPD SUMP PUMP DISCHARGE
- SS SANITARY SEWER
- SW SEAL WATER
- TS THICKENED SLUDGE
- V VENT
- WAS WASTE ACTIVATED SLUDGE



				DESIGNED	DAN	RECORD DRAWING	THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY ROBERT S. DIFIORE, SEAL NO. 22769	HAZEN AND SAWYER Environmental Engineers & Scientists 4011 WestChase Blvd, Raleigh, North Carolina 27607	CITY OF ROANOKE VIRGINIA	REGIONAL WATER POLLUTION CONTROL PLANT PROCESS TRAIN IMPROVEMENTS	SITE PLAN  GENERAL  PARTIAL YARD PIPING	THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.	DATE JANUARY 2004		
				DRAWN	RWB								H & S JOB NUMBER	30788C	
				CHECKED									CONTRACT NUMBER	DRAWING NUMBER	
3	RECORD DRAWING	JAN 2006	RLT	PROJ. ENGR.	DAN	APPROVED	THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY RONALD L. TAYLOR, SEAL NO. 024649							C	G11
2	CONSTRUCTION	JAN 2004	RLT												
1	REGULATORY APPROVAL	NOV 2003	RLT												
NO.	ISSUED FOR	DATE	BY												