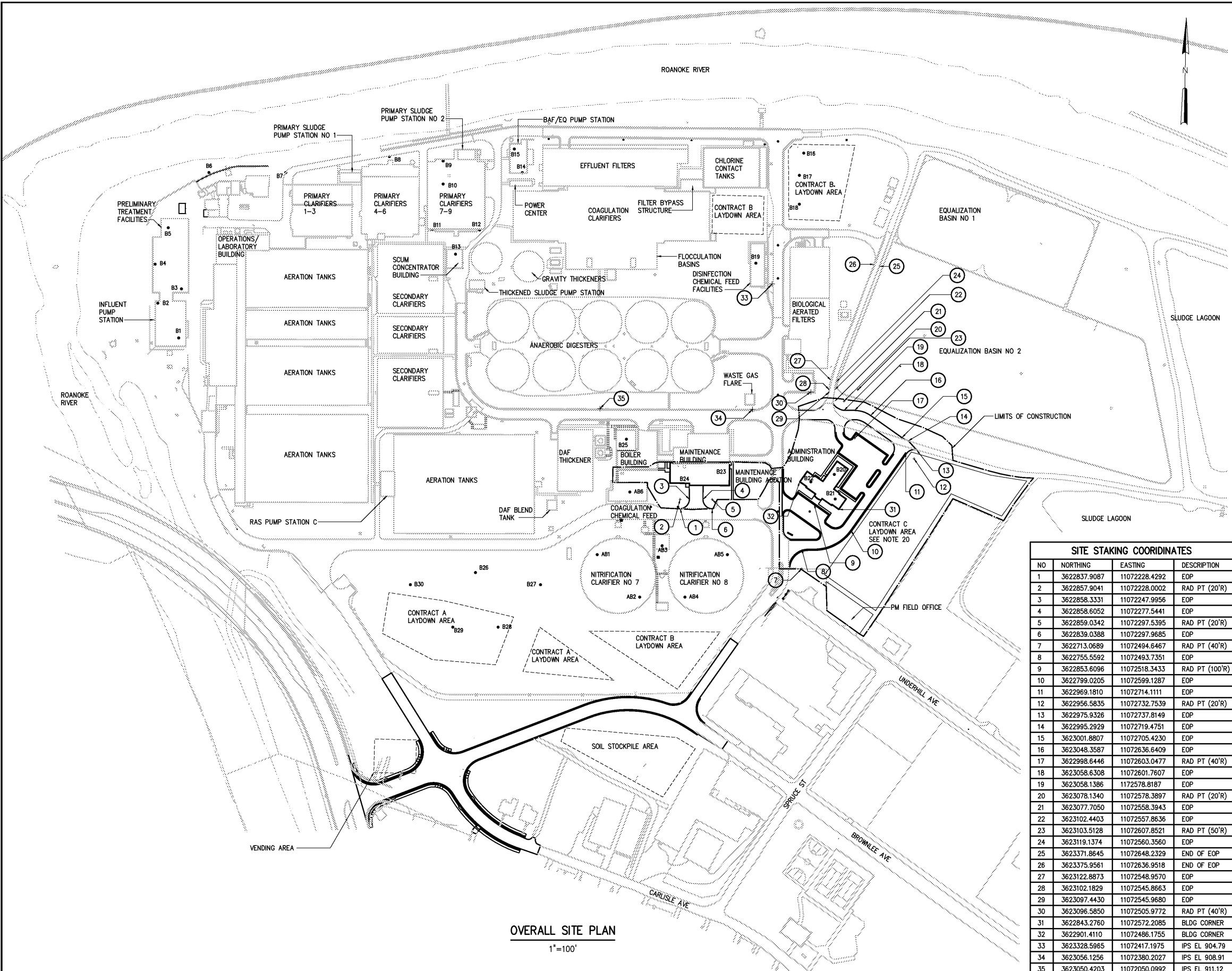


- NOTES:**
- ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM WITH THE CURRENT CITY OF ROANOKE, VIRGINIA DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS, VIRGINIA DEPARTMENT OF PUBLIC UTILITIES SEWER AND WATER SPECIFICATIONS AND DETAILS, VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS, VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS, VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS AND ANY OTHER APPLICABLE CITY OR STATE ORDINANCES, CODES, AND LAWS PRIOR TO ANY CONSTRUCTION ACTIVITY.
  - ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.
  - THE CONTRACTOR/DEVELOPER SHALL CONTACT THE PLAN APPROVING AUTHORITY ONE WEEK PRIOR TO THE PRECONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
  - ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
  - A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
  - PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN FOR REVIEW AND APPROVAL TO THE PLAN APPROVING AUTHORITY AND A COPY TO THE PM.
  - THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
  - ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
  - PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
  - TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS, BUT LESS THAN ONE YEAR.
  - PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
  - ALL EROSION CONTROL AND TREE PROTECTION DEVICES SHALL BE INSTALLED WITH THE FIRST PHASE OF CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE STABILIZED. THE ADDITION OR DELETION OF EROSION CONTROL DEVICES WILL BE AT THE DIRECTION OF THE CIVIL INSPECTOR. EROSION CONTROL DEVICES SHOWN ON THIS PLAN ARE THE MINIMUM NECESSARY UNTIL RELEASE OF BONDS AND OCCUPANCIES AND AS LONG AS UNVEGETATED GROUND REMAINS.
  - THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN SUFFICIENT DEVICES TO PREVENT SOIL FROM BEING ERODED ON TO ADJACENT STREETS, DRAINAGE SYSTEMS AND WATER COURSES. THE DEVICES SHALL BE CLEANED OF MUD, DEBRIS, AND ERODED MATERIAL DURING ALL STAGES OF CONSTRUCTION. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED ON A DAILY BASIS AND ARE SUBJECT TO DAILY INSPECTIONS AFTER A STORM EVENT AND/OR AS REQUIRED BY PM AND APPROVING AUTHORITY. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
  - THE CONTRACTOR SHALL MONITOR AND TAKE PRECAUTIONS AS SPECIFIED TO CONTROL DUST, INCLUDING (BUT NOT LIMITED TO) USE OF WATER OR CHEMICAL DUST PALLIATIVE, LIMITING THE NUMBER OF VEHICLES ALLOWED ON-SITE, MINIMIZING THE OPERATING SPEED OF ALL VEHICLES, ETC.
  - PRIOR TO CONSTRUCTION OR EXCAVATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES (PUBLIC OR PRIVATE) THAT MAY EXIST AND CROSS THROUGH THE AREA OF CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS. BEFORE YOU DIG, CALL "MISS UTILITY" OF VIRGINIA AT 1-800-552-7001. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AT HIS EXPENSE ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
  - ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE PROGRAM AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
  - CONTRACTOR SHALL HAVE A VIRGINIA CERTIFIED "RESPONSIBLE LAND DISTURBER" ON STAFF AND SHALL PROVIDE WRITTEN PROOF THEREOF TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY LAND DISTURBING ACTIVITY.
  - THE CONTRACTOR SHALL SUBMIT DEWATERING PLANS AND CALCULATIONS TO THE ENGINEER FOR REVIEW. DEWATERING PROCEDURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS SET FORTH IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND AS SPECIFIED IN THE PROJECT MANUAL, WHICHEVER IS MORE STRINGENT.
  - EXISTING SITE CONDITIONS WERE COMPILED UTILIZING PLANS PREPARED BY ALVORD, BURDICK AND HOWSON ENTITLED "ADDITIONS TO SEWAGE TREATMENT PLANT, ROANOKE, VIRGINIA - CONTRACTS A, B, C AND D" DATED 1973 AND PLANS PREPARED BY MALCOLM PIRNIE ENTITLED "WATER POLLUTION CONTROL PLANT UPGRADE AND EXPANSION" DATED 1997 AND AS SPECIFIED IN THE PROJECT MANUAL, WHICH EVER IS MORE STRINGENT. SUPPLEMENTAL DATA WAS INCORPORATED UTILIZING FIELDWORK PERFORMED BY HAZEN AND SAWYER AND AERIAL SURVEY. THE CONTRACTOR IS ADVISED THAT FEATURES, DIMENSIONS AND APPURTENANCES SHOWN ARE NOT WARRANTED TO BE COMPLETE AND ACCURATE IN ALL RESPECTS.
  - CONTRACTOR SHALL PLACE SILT FENCE AROUND LAYDOWN AREA AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.



SITE STAKING COORDINATES			
NO	NORTHING	EASTING	DESCRIPTION
1	3622837.9087	11072228.4292	EOP
2	3622857.9041	11072228.0002	RAD PT (20'R)
3	3622858.3331	11072247.9956	EOP
4	3622858.6052	11072277.5441	EOP
5	3622859.0342	11072297.5395	RAD PT (20'R)
6	3622839.0388	11072297.9685	EOP
7	3622713.0689	11072494.6467	RAD PT (40'R)
8	3622755.5592	11072493.7351	EOP
9	3622853.6096	11072518.3433	RAD PT (100'R)
10	3622799.0205	11072599.1287	EOP
11	3622969.1810	11072714.1111	EOP
12	3622956.5835	11072732.7539	RAD PT (20'R)
13	3622975.9326	11072737.8149	EOP
14	3622995.2929	11072719.4751	EOP
15	3623001.8807	11072705.4230	EOP
16	3623048.3587	11072636.6409	EOP
17	3622998.6446	11072603.0477	RAD PT (40'R)
18	3623058.6308	11072601.7607	EOP
19	3623058.1386	1172578.8187	EOP
20	3623078.1340	11072578.3897	RAD PT (20'R)
21	3623077.7050	11072558.3943	EOP
22	3623102.4403	11072557.8636	EOP
23	3623103.5128	11072607.8521	RAD PT (50'R)
24	3623119.1374	11072560.3560	EOP
25	3623371.8645	11072648.2329	END OF EOP
26	3623375.9561	11072636.9518	END OF EOP
27	3623122.8873	11072548.9570	EOP
28	3623102.1829	11072545.8663	EOP
29	3623097.4430	11072545.9680	EOP
30	3623096.5850	11072505.9772	RAD PT (40'R)
31	3622843.2760	11072572.2085	BLDG CORNER
32	3622901.4110	11072486.1755	BLDG CORNER
33	3623328.5965	11072417.1975	IPS EL 904.79
34	3623056.1256	11072380.2027	IPS EL 908.91
35	3623050.4203	11072050.0992	IPS EL 911.12

DISTURBED AREA = 4.1 AC

DESIGNED	DAN		
DRAWN	RWB		
CHECKED			
PROJ. ENGR.	DAN		
NO.	DATE	BY	APPROVED
3	JAN 2006	RLT	
2	JAN 2004	RLT	
1	NOV 2003	RLT	

**RECORD DRAWING**

THIS DRAWING HAS BEEN MODIFIED TO REFLECT FIELD CHANGES REPORTED BY THE CONTRACTOR OR ANOTHER PARTY, BUT NOT VERIFIED BY THE CERTIFYING ENGINEER. THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY DAVID A. NAILOR, 025465. THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.

**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  
OVERALL SITE PLAN

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.	DATE	JANUARY 2004
	H & S JOB NUMBER	30788C
	CONTRACT NUMBER	C
	DRAWING NUMBER	G1