Laboratory data presented in Appendix C "Gypsum Testing and Physical Properties" were from the report titled "*Use of Coal Combustion By-products As Engineered Fills*" prepared by Law Engineering, Inc. dated November 10, 1995.

TVA - Fly Ash, Bottom Ash and Scrubber Sludge Study
Classification (Index Property) Summary
Law Engineering Project No. 581860101

Source	Code	Material	Bucket Code	Date Collected	Moisture Content, %	Grain Size - ASTM D422			Atterberg Limits ASTM D4318			Specific Gravity	USCS Classification	AASHTO Classification
						%Ret. on No. 4	%Pass No. 200	%Pass 0.005mm	LL	PL	PI			
Allen	ALF	Boiler Slag - Fine Reed Rejects	A-B	5/11/95	0.06	0.0	18.2	0.8	NL	NP	N/A	2.75	SM	A-2-4(0.0)
			C-D		0.12	0.0	14.6	0.8	NL	NP	N/A	2.79	SM	A-2-4(0.0)
			E-F		0.10	0.0	16.0	0.8	NL	NP	N/A	2.81	SM	A-2-4(0.0)
Bull Run	BRF	Dry Fly Ash	A-B	4/4/95	0.02	0.0	91.2	16.6	NL	NP	N/A	2.36	ML	A-4(0.0)
			C-D	4/5/95	0.05	0.0	91.2	19.5	NL	NP	N/A	2.28	ML	A-4(0.0)
			E-F	4/6/95	0.03	0.0	90.7	17.5	NL	NP	N/A	2.37	ML	A-4(0.0)
		Bottom Ash - From Pond	A-B	3/29/95	6.99	23.0	4.0	----	NL	NP	N/A	2.31	SW	A-1-b
			C-D		6.07	21.3	6.9	----	NL	NP	N/A	2.29	SW-SM	A-1-b
			E-F		6.74	17.9	5.9	----	NL	NP	N/A	2.35	SW-SM	A-1-b
Colbert	COF	Dry Fly Ash - Units 1&2	A	5/25/95										
		- Units 3&4	B	5/25/95	0.01	0.0	81.6	14.9	NL	NP	N/A	2.02	ML	A-4(0.0)
		- Units 1&2	C	5/26/95										
		- Units 3&4	D	5/26/95	0.01	0.0	69.9	11.5	NL	NP	N/A	2.00	ML	A-4(0.0)
		- Units 1&2	E	5/30/95										
		- Units 3&4	F	5/30/95	0.12	0.0	83.6	3.9	NL	NP	N/A	1.95	ML	A-4(0.0)
		Bottom Ash - From Pond	A-B	5/25/95	8.02	7.2	13.6	----	NL	NP	N/A	2.15	SM	A-1-b
			C-D		6.86	15.9	10.8	----	NL	NP	N/A	2.08	SP-SM	A-1-b
			E-F		7.92	12.8	10.5	----	NL	NP	N/A	2.10	SP-SM	A-1-b
Cumberland	CUF	Dry Fly Ash - Units 1&2	A-B	4/17/95	0.31	0.0	95.1	30.0	NL	NP	N/A	2.57	ML	A-4(0.0)
		- Units 1&2	C-D	4/18/95		0.0	92.0	20.7	NL	NP	N/A	2.64	ML	A-4(0.0)
		- Units 1&2	E-F	4/19/95	0.01	0.0	93.2	29.8	NL	NP	N/A	2.65	ML	A-4(0.0)
		Bottom Ash - From Pond	A-B	4/6/95	14.32	30.9	1.1	----	NL	NP	N/A	2.59	SW	A-1-a
			C-D		13.66	46.2	2.2	----	NL	NP	N/A	2.66	SW	A-1-a
			E-F		5.08	32.2	2.8	----	NL	NP	N/A	2.63	SW	A-1-a
		Scrubber Gypsum	A-B	4/6/95	30.44	----	----	----	NL	NP	N/A	----	----	----
			C-D		30.39	----	----	----	NL	NP	N/A	3.41	----	----
			E-F		29.41	----	----	----	NL	NP	N/A	----	----	----
Gallatin	GAF	Dry Fly Ash - Unit 2 Hoppers	A-B	6/9/95	0.03	0.0	94.2	12.0	NL	NP	N/A	2.37	ML	A-4(0.0)
			C-D		0.01	0.0	95.2	13.8	NL	NP	N/A	2.40	ML	A-4(0.0)
			E-F		0.01	0.0	95.5	14.8	NL	NP	N/A	2.39	ML	A-4(0.0)
		Bottom Ash - From Pond	A-B	6/9/95	19.11	18.2	5.9	----	NL	NP	N/A	2.56	SP-SM	A-1-b
			C-D		7.32	27.0	4.0	----	NL	NP	N/A	2.57	SW	A-1-b
			E-F		10.20	18.8	5.6	----	NL	NP	N/A	2.52	SW-SM	A-1-b
John Sevier	JSF	Dry Fly Ash - Unit 4, Hoppers 11&12	A	5/25/95										
		- Unit 3, Hoppers 11&12	B		0.06	0.0	94.2	17.4	NL	NP	N/A	2.27	ML	A-4(0.0)
		- Unit 4, Hoppers 9, 10&13	C	5/25/95										
		- Unit 3, Hoppers 9&10	D		0.01	0.0	96.1	22.1	NL	NP	N/A	2.35	ML	A-4(0.0)
		- Unit 4, Hopper 15,	E	5/25/95										
		- Unit 3, Hopper 16	F		0.20	0.0	94.1	28.0	NL	NP	N/A	2.43	ML	A-4(0.0)
		- Unit 4, Hopper 15												
		Bottom Ash - From Pond	A-B	4/12/95	26.68	22.8	4.3	----	NL	NP	N/A	2.25	SP	A-1-a
			C-D		27.22	22.2	3.3	----	NL	NP	N/A	2.24	SW	A-1-a
			E-F		30.70	27.8	3.7	----	NL	NP	N/A	2.22	SW	A-1-a

TVA - Fly Ash, Bottom Ash and Scrubber Sludge Study
Classification (Index Property) Summary
Law Engineering Project No. 5810860101

Source	Code	Material	Bucket Code	Date Collected	Moisture Content, %	Grain Size - ASTM D422			Atterberg Limits ASTM D4318			Specific Gravity	USCS Classification	AASHTO Classification
						%Ret. on No. 4	%Pass No. 200	%Pass 0.005mm	LL	PL	PI			
Johnsonville	JOF	Ponded Fly Ash (New Dredge Cell)	A-B	6/7/95	28.82	3.2	47.1	2.4	NL	NP	N/A	2.36	SM	A-4(0.0)
			C-D		39.10	0.0	54.4	4.2	NL	NP	N/A	2.56	ML	A-4(0.0)
			E-F		31.07	1.8	59.2	3.5	NL	NP	N/A	2.31	ML	A-4(0.0)
		Ponded Fly Ash (Old Dredge Cell)	A-B	6/7/95	13.61	3.6	33.6	0.0	NL	NP	N/A	2.41	SM	A-2-4(0.0)
			C-D		10.98	8.7	42.2	4.1	NL	NP	N/A	2.43	SM	A-2-4(0.0)
			E-F		15.11	2.5	41.4	2.1	NL	NP	N/A	2.23	SM	A-4(0.0)
		Ponded Fly Ash (Active Ash Pond)	A-B	6/7/95	28.09	0.0	95.0	15.6	NL	NP	N/A	2.48	ML	A-4(0.0)
			C-D		31.07	0.0	94.8	14.8	NL	NP	N/A	2.48	ML	A-4(0.0)
			E-F		32.70	0.0	93.9	16.8	NL	NP	N/A	2.50	ML	A-4(0.0)
		Bottom Ash - From Pond	A-B	6/7/95	13.28	15.6	26.3	----	NL	NP	N/A	2.39	SM	A-1-b
			C-D		11.92	23.0	16.8	----	NL	NP	N/A	2.39	SM	A-1-b
			E-F		11.51	29.8	18.1	----	NL	NP	N/A	2.39	SM	A-1-b
Kingston	KIF	Ponded Fly Ash (Cell I)	A-B	5/3/95	28.28	0.0	86.4	13.6	NL	NP	N/A	2.28	ML	A-4(0.0)
			C-D		33.95	0.0	97.1	13.2	NL	NP	N/A	2.31	ML	A-4(0.0)
			E-F		30.95	0.0	94.0	13.1	NL	NP	N/A	2.30	ML	A-4(0.0)
		Ponded Fly Ash (Cell III)	A-B	5/3/95	36.09	0.0	96.5	22.6	NL	NP	N/A	2.31	ML	A-4(0.0)
			C-D			0.0	98.3	25.0	NL	NP	N/A	2.29	ML	A-4(0.0)
			E-F		36.19	0.0	96.1	18.4	NL	NP	N/A	2.34	ML	A-4(0.0)
		Bottom Ash - From Pond	A-B	5/3/95	9.62	21.9	9.7	----	NL	NP	N/A	2.37	SW-SM	A-1-b
			C-D		10.91	19.3	10.7	----	NL	NP	N/A	2.34	SP-SM	A-1-b
			E-F		17.15	18.4	11.3	----	NL	NP	N/A	2.33	SP-SM	A-1-b
Paradise	PAF	Ponded Fly Ash (East Cell)	A-B	5/17/95	----	0.0	99.4	20.9	NL	NP	N/A	2.82	ML	A-4(0.0)
			C-D		----	0.0	98.1	11.4	NL	NP	N/A	2.77	ML	A-4(0.0)
			E-F		----	0.0	98.5	18.7	NL	NP	N/A	2.93	ML	A-4(0.0)
		Boiler Slag (Reed Rejects)	A-B	5/18/95	----	0.0	5.8	0.0	NL	NP	N/A	2.78	SP-SM	A-1-b
			C-D		----	0.0	12.5	0.0	NL	NP	N/A	2.84	SM	A-2-4(0.0)
			E		----	1.0	10.2	0.0	NL	NP	N/A	2.73	SW-SM	A-1-b
		Scrubber Gypsum	A-B	5/17/95	----	----	----	----	NL	NP	N/A	----	----	----
			C-D		----	----	----	----	NL	NP	N/A	3.00	----	----
			E		----	----	----	----	NL	NP	N/A	----	----	----
Shawnee	SHF	Dry Fly Ash	A-B	4/6/95	0.14	0.0	91.6	7.6	NL	NP	N/A	2.14	ML	A-4(0.0)
			C-D	4/7/95	0.13	0.0	91.2	6.4	NL	NP	N/A	2.09	ML	A-4(0.0)
			E-F	4/10/95	0.16	0.0	90.1	7.5	NL	NP	N/A	2.11	ML	A-4(0.0)
		Bottom Ash - From Pond	A-B	4/5/95	23.64	20.0	11.2	----	NL	NP	N/A	2.14	SP-SM	A-1-b
			C-D		23.83	14.7	9.1	----	NL	NP	N/A	2.14	SP-SM	A-1-b
			E-F		21.11	18.3	9.3	----	NL	NP	N/A	2.09	SP-SM	A-1-b
		Spent Bed Material (SBM)	A-B	4/6/95	0.00	----	----	----	NL	NP	N/A	2.93	----	----
			C-D	4/7/95	0.00	----	----	----	NL	NP	N/A	2.86	----	----
			E-F	4/10/95	0.00	----	----	----	NL	NP	N/A	2.92	----	----
		Char	A-B	4/6/95	0.00	----	----	----	NL	NP	N/A	3.00	----	----
			C-D	4/7/95	0.00	----	----	----	NL	NP	N/A	2.99	----	----
			E-F	4/10/95	0.00	----	----	----	NL	NP	N/A	3.00	----	----
Widows Creek	WCF	Ponded Fly Ash (Ash Pond)	A-B	4/28/95	42.20	0.0	84.5	6.7	NL	NP	N/A	2.38	ML	A-4(0.0)
			C-D		75.19	1.5	84.6	8.2	NL	NP	N/A	2.40	ML	A-4(0.0)
			E-F		63.46	0.0	92.9	3.6	NL	NP	N/A	2.22	ML	A-4(0.0)
		Scrubber Gypsum	A-B	4/28/95	----	----	----	----	NL	NP	N/A	----	----	----
			C-D		----	----	----	----	NL	NP	N/A	3.01	----	----
			E-F		----	----	----	----	NL	NP	N/A	----	----	----
		Bottom Ash - From Pond	A-B	4/28/95	4.25	33.7	4.8	----	NL	NP	N/A	2.74	SW	A-1-a
			C-D		2.36	29.9	4.1	----	NL	NP	N/A	2.60	SW	A-1-a
			E-F		4.03	40.9	4.5	----	NL	NP	N/A	2.67	SW	A-1-a

TVA - Fly Ash, Bottom Ash and Scrubber Sludge Study
Volumetric Testing Summary
Law Engineering Project No. 5810860101

Source	Code	Material	Standard Proctor		Modified Proctor		Relative Density, Dry Method (pcf)	
			Max. Dry Dens. (pcf)	Opt. Moisture (%)	Max. Dry Dens. (pcf)	Opt. Moisture (%)	Minimum	Maximum
Allen	ALF	Boiler Slag (Fine Reed Rejects)	95.3	21.5	102.6	23.2	----	----
Bull Run	BRF	Dry Fly Ash	91.6	17.4	95.7	15.1	----	----
		Bottom Ash - From Pond	91.9	22.6	98.7	18.5	73.9	92.1
Colbert	COF	Dry Fly Ash (Units 1-4)	56.7	45.4	62.9	40.3	----	----
		Bottom Ash - From Pond	64.2	27.4	73.2	17.2	55.7	71.2
Cumberland	CUF	Dry Fly Ash (Units 1-2)	111.4	13.2	116.3	11.5	----	----
		Bottom Ash - From Pond	90.1	15.4	103.3	15.7	67.0	87.1
		Scrubber Gypsum	77.6	40.6	85.9	29.7	----	----
Gallatin	GAF	Dry Fly Ash (Unit 2 Hoppers)	86.6	21.4	88.9	18.8	----	----
		Bottom Ash - From Pond	92.0	25.5	102.5	20.9	71.3	90.7
John Sevier	JSF	Dry Fly Ash (Units 3-4)	83.7	18.6	86.7	17.8	----	----
		Bottom Ash - From Pond	78.9	30.3	96.2	21.9	55.7	73.9
Johnsonville	JOF	Ponded Fly Ash (New Dredge Cell)	75.8	31.4	92.5	20.6	----	----
		Ponded Fly Ash (Old Dredge Cell)	89.5	20.5	96.0	16.1	----	----
		Ponded Fly Ash (Active Ash Pond)	86.6	22.8	91.7	18.0	----	----
		Bottom Ash - From Pond	99.2	18.0	104.1	12.0	80.2	99.2
Kingston	KIF	Ponded Fly Ash (Cell I)	81.0	25.2	84.7	24.1	----	----
		Ponded Fly Ash (Cell III)	81.0	23.5	84.4	23.7	----	----
		Bottom Ash - From Pond	89.0	24.1	97.6	21.0	71.0	88.4
Paradise	PAF	Ponded Fly Ash (East Cell)	110.0	16.5	114.4	13.7	----	----
		Boiler Slag (Reed Rejects)	112.5	18.2	116.0	18.7	----	----
		Scrubber Gypsum	85.7	31.7	87.4	30.8	----	----
Shawnee	SHF	Dry Fly Ash	72.4	28.3	77.2	24.4	----	----
		Bottom Ash - From Pond	71.7	30.5	81.4	26.1	57.4	74.0
		Spent Bed Material (SBM)	----	----	----	----	----	----
		Char	----	----	----	----	----	----
Widows Creek	WCF	Ponded Fly Ash (Ash Pond)	67.0	39.8	73.5	27.8	----	----
		Scrubber Gypsum	92.0	23.1	99.9	19.4	----	----
		Bottom Ash - From Pond	106.2	17.6	120.8	15.8	83.0	103.3

TVA - Fly Ash, Bottom Ash and Scrubber Sludge Study
Consolidation/Hydraulic Conductivity/Chemical Testing Summary
Law Engineering Project No. 5810860101

Source	Code	Material	Consolidation Compression Index, C_c	Hydraulic Conductivity (cm/sec)	Resistivity (Ohm-cm)	pH	Water Soluble Sulfate (mg/kg)	Water Soluble Chloride (mg/kg)
Allen	ALF	Boiler Slag (Fine Reed Rejects)	0.04	9.0E-4	30000	7.5	43	<10
Bull Run	BRF	Dry Fly Ash	0.04	4.0E-5	690	8.4	4630	<10
		Bottom Ash - From Pond	----	1.8E-2	7300	7.2	370	<10
Colbert	COF	Dry Fly Ash (Units 1-4)	0.08	2.8E-4	850	9.4	1660	<10
		Bottom Ash - From Pond	----	1.6E-2	4500	5.4	215	<10
Cumberland	CUF	Dry Fly Ash (Units 1-2)	0.01	2.2E-5	2600	11.6	5020	<10
		Bottom Ash - From Pond	----	6.8E-2	1200	2.7	4790	<10
		Scrubber Gypsum	0.12	1.2E-3	1100	7.8	4830	<10
Gallatin	GAF	Dry Fly Ash (Unit 2 Hoppers)	0.05	7.7E-5	420	10.6	5800	<10
		Bottom Ash - From Pond	----	2.9E-2	1600	2.8	1660	<10
John Sevier	JSF	Dry Fly Ash (Units 3-4)	0.05	5.5E-5	440	4.1	4910	<10
		Bottom Ash - From Pond	----	2.6E-2	5200	6.8	285	<10
Johnsonville	JOF	Ponded Fly Ash (New Dredge Cell)	0.06	5.0E-4	2800	8.1	83	<10
		Ponded Fly Ash (Old Dredge Cell)	0.10	5.8E-4	2600	6.8	1520	20
		Ponded Fly Ash (Active Ash Pond)	0.11	3.5E-5	690	8.4	2960	60
		Bottom Ash - From Pond	----	4.7E-3	740	6.0	2200	<10
Kingston	KIF	Ponded Fly Ash (Cell I)	0.05	8.3E-5	7700	7.6	200	<10
		Ponded Fly Ash (Cell III)	0.05	3.4E-5	6400	6.8	140	<10
		Bottom Ash - From Pond	----	9.1E-3	1900	4.0	490	<10
Paradise	PAF	Ponded Fly Ash (East Cell)	0.04	1.0E-5	2600	8.1	340	<10
		Boiler Slag (Reed Rejects)	----	1.3E-3	9700	4.3	220	<10
		Scrubber Gypsum	0.13	1.5E-4	1100	7.7	4630	10
Shawnee	SHF	Dry Fly Ash	0.04	9.2E-5	1000	11.5	2270	<10
		Bottom Ash - From Pond	----	8.9E-3	3000	8.1	4200	10
		Spent Bed Material (SBM)	----	----	----	12.0	4190	150
		Char	----	----	190	12.0	4130	980
Widows Creek	WCF	Ponded Fly Ash (Ash Pond)	0.12	1.8E-4	1400	9.2	1060	<10
		Scrubber Gypsum	0.07	3.9E-4	1200	6.7	3050	<10
		Bottom Ash - From Pond	----	3.4E-2	3100	8.0	4070	130

Note: Consolidation and Hydraulic Conductivity test specimen were remolded to approximately 95 percent of the Standard Proctor maximum dry density

TVA - Fly Ash, Bottom Ash and Scrubber Sludge Study
Strength Testing Summary
Law Engineering Project No. 5810860101

Source	Code	Material	Triaxial CU with pore pressure				Direct Shear		Angle of Repose
			Effective Stress		Total Stress		Cohesion, c (ksf)	Internal friction, ϕ	
			Cohesion, c' (ksf)	Internal friction, ϕ'	Cohesion, c (ksf)	Internal friction, ϕ			
Allen	ALF	Boiler Slag (Fine Reed Rejects)	0.00	37.3	1.15	39.2	2.32	25.2	----
Bull Run	BRF	Dry Fly Ash	0.31	27.7	1.12	21.2	1.36	27.4	----
		Bottom Ash - From Pond	----	----	----	----	----	----	32.4
Colbert	COF	Dry Fly Ash (Units 1-4)	0.34	27.6	0.69	19.9	1.31	28.6	----
		Bottom Ash - From Pond	----	----	----	----	----	----	30.9
Cumberland	CUF	Dry Fly Ash (Units 1-2)	0.00	53.5	1.70	50.5	2.53	33.4	----
		Bottom Ash - From Pond	----	----	----	----	----	----	30.8
		Scrubber Gypsum	0.00	38.1	3.33	33.4	1.32	41.4	----
Gallatin	GAF	Dry Fly Ash (Unit 2 Hoppers)	0.00	31.7	0.57	26.2	1.37	34.5	----
		Bottom Ash - From Pond	----	----	----	----	----	----	31.8
John Sevier	JSF	Dry Fly Ash (Units 3-4)	0.22	22.4	0.26	17.7	1.11	33.6	----
		Bottom Ash - From Pond	----	----	----	----	----	----	27.4
Johnsonville	JOF	Ponded Fly Ash (New Dredge Cell)	0.23	32.4	1.26	25.8	1.29	32.4	----
		Ponded Fly Ash (Old Dredge Cell)	0.12	30.5	0.66	15.2	2.14	39.3	----
		Ponded Fly Ash (Active Ash Pond)	0.00	22.6	0.01	15.8	1.41	36.6	----
		Bottom Ash - From Pond	----	----	----	----	----	----	30.8
Kingston	KIF	Ponded Fly Ash (Cell I)	0.14	26.1	0.36	19.6	0.82	39.1	----
		Ponded Fly Ash (Cell III)	0.03	24.4	0.00	17.8	1.47	37.6	----
		Bottom Ash - From Pond	----	----	----	----	----	----	31.3
Paradise	PAF	Ponded Fly Ash (East Cell)	0.37	21.2	0.55	15.6	2.27	20.2	----
		Boiler Slag (Reed Rejects)	0.06	40.6	2.00	40.3	----	----	----
		Scrubber Gypsum	0.00	39.7	3.07	35.5	0.97	45.7	----
Shawnee	SHF	Dry Fly Ash	1.24	22.4	1.79	14.7	1.10	39.8	----
		Bottom Ash - From Pond	----	----	----	----	----	----	31.6
		Spent Bed Material (SBM)	----	----	----	----	----	----	----
		Char	----	----	----	----	----	----	----
Widows Creek	WCF	Ponded Fly Ash (Ash Pond)	1.85	25.5	1.94	21.5	1.70	31.2	----
		Scrubber Gypsum	0.00	37.8	3.01	33.1	0.55	28.9	----
		Bottom Ash - From Pond	----	----	----	----	----	----	29.0

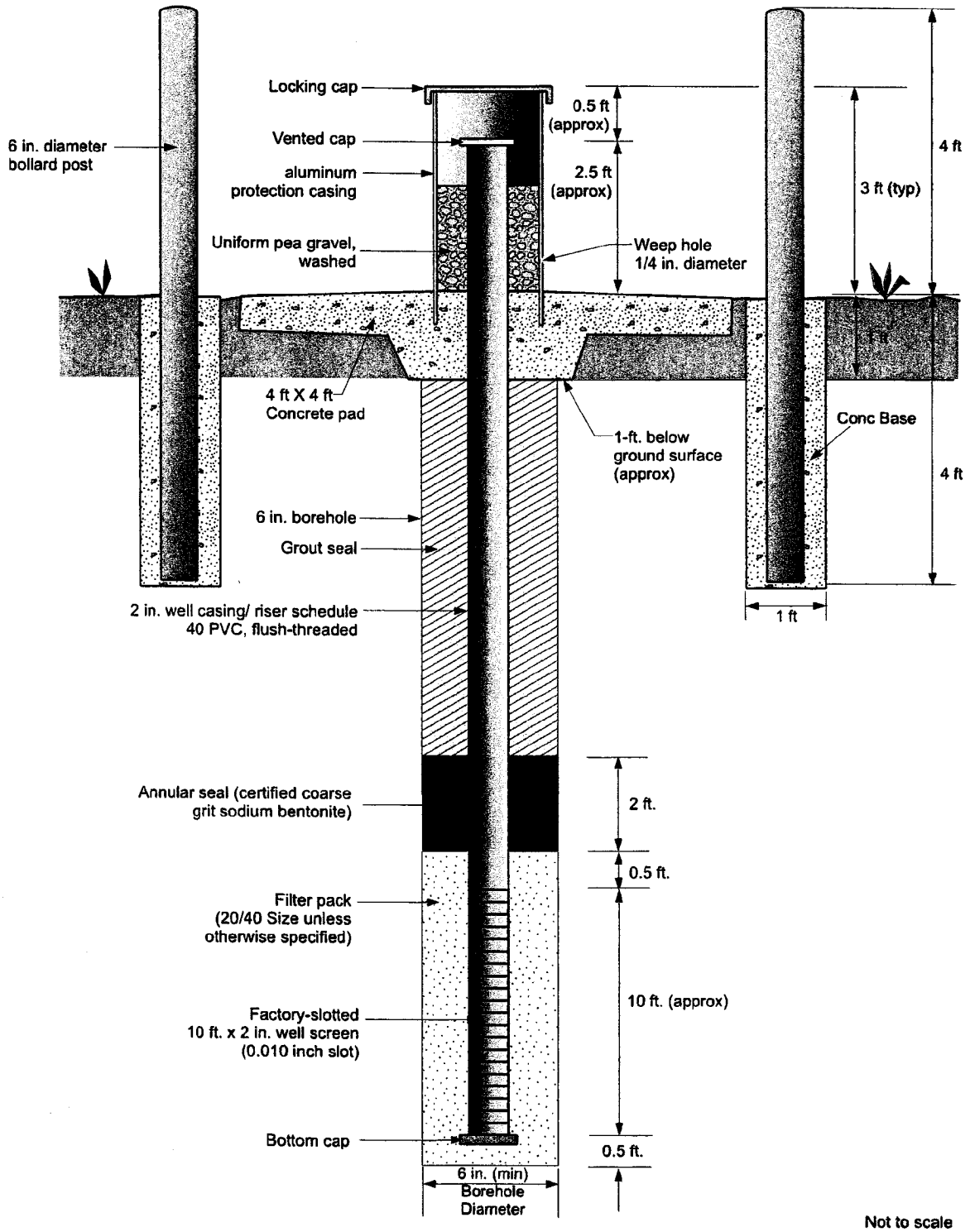
Note: Triaxial CU and Direct Shear test specimen were remolded to approximately 95 percent of the Standard Proctor maximum dry density at or near optimum moisture content

TVA - Fly Ash, Bottom Ash and Scrubber Sludge Study
Strength Testing Summary
Law Engineering Project No. 5810860101

Source	Code	Material	CBR	Resilient Modulus (Standard Effort)				Resilient Modulus (Modified Effort)			
			%	K1	K2	K5	M_R at S_c=4psi, S_3=4psi	K1	K2	K5	M_R at S_c=4psi, S_3=4psi
Allen	ALF	Boiler Slag (Fine Reed Rejects)	37	2,662	0.09516	0.53980	6,419	2,468	0.14322	0.51069	6,110
Bull Run	BRF	Dry Fly Ash	2	3,225	-0.17750	0.54531	5,370	3,283	-0.01625	0.38843	5,500
		Bottom Ash - From Pond	35	1,857	0.10936	0.78070	6,378	1,977	0.13522	0.76648	6,901
Colbert	COF	Dry Fly Ash (Units 1-4)	9	1,353	-0.00868	0.56321	2,918	1,639	0.01011	0.53301	3,480
		Bottom Ash - From Pond	24	2,368	0.11934	0.58242	6,264	2,455	0.09488	0.59309	6,372
Cumberland	CUF	Dry Fly Ash (Units 1-2)	24	7,531	-0.03317	0.34550	11,612	10,959	0.14896	0.24877	19,021
		Bottom Ash - From Pond	15	2,194	0.09530	0.67882	6,417	1,994	0.13866	0.76150	6,945
		Scrubber Gypsum	20	9,623	0.09590	0.25471	15,646	11,738	0.08396	0.20475	17,515
Gallatin	GAF	Dry Fly Ash (Unit 2 Hoppers)	2	2,713	-0.09930	0.47991	4,598	3,602	-0.12389	0.45133	5,671
		Bottom Ash - From Pond	30	1,972	0.20995	0.65540	6,545	2,427	0.20416	0.61364	7,541
John Sevier	JSF	Dry Fly Ash (Units 3-4)	1	2,965	-0.08694	0.43636	4,813	4,033	-0.09489	0.39276	6,095
		Bottom Ash - From Pond	40	2,156	0.08085	0.76340	6,949	2,108	0.09702	0.69867	6,352
Johnsonville	JOF	Ponded Fly Ash (New Dredge Cell)	12	1,487	0.03358	0.63725	3,769	2,541	-0.01211	0.48836	4,917
		Ponded Fly Ash (Old Dredge Cell)	28	1,495	0.03707	0.78260	4,657	2,255	0.09559	0.65332	6,368
		Ponded Fly Ash (Active Ash Pond)	1	2,146	-0.18159	0.60215	3,844	3,980	-0.14235	0.42844	5,917
		Bottom Ash - From Pond	50	2,373	0.16927	0.51994	6,169	2,389	0.13323	0.56010	6,247
Kingston	KIF	Ponded Fly Ash (Cell I)	2	1,803	0.07728	0.41203	3,553	2,374	-0.04388	0.47386	4,309
		Ponded Fly Ash (Cell III)	1	2,592	-0.10787	0.48134	4,350	3,254	-0.09252	0.43051	5,199
		Bottom Ash - From Pond	60	1,427	0.13665	0.75876	4,938	1,822	0.19126	0.64487	5,807
Paradise	PAF	Ponded Fly Ash (East Cell)	4	5,929	-0.09595	0.40269	9,071	5,551	-0.06155	0.44309	9,421
		Boiler Slag (Reed Rejects)	55	1,661	0.06737	0.79102	5,460	1,715	0.08023	0.76411	5,529
		Scrubber Gypsum	14	9,420	0.10296	0.23790	15,110	10,977	0.08137	0.20492	16,325
Shawnee	SHF	Dry Fly Ash	9	2,390	-0.04340	0.45385	4,222	2,774	-0.03472	0.41978	4,731
		Bottom Ash - From Pond	25	1,928	0.11134	0.73640	6,244	1,558	0.08323	0.76224	5,030
		Spent Bed Material (SBM)	----	----	----	----	----	----	----	----	----
		Char	----	----	----	----	----	----	----	----	----
Widows Creek	WCF	Ponded Fly Ash (Ash Pond)	3	1,026	-0.02608	0.63430	2,384	3,283	-0.01625	0.38843	5,500
		Scrubber Gypsum	15	7,937	0.08949	0.23891	12,513	8,454	0.05337	0.26140	13,079
		Bottom Ash - From Pond	30	2,258	0.19103	0.66319	7,379	2,260	0.28011	0.26147	4,788

Note: CBR and Resilient Modulus test specimen were remolded to approximately 95 percent of the Standard Proctor (and Modified Proctor for Res. Mod.) maximum dry density at or near optimum moisture content

RESIDUUM MONITORING WELL SCHEMATIC

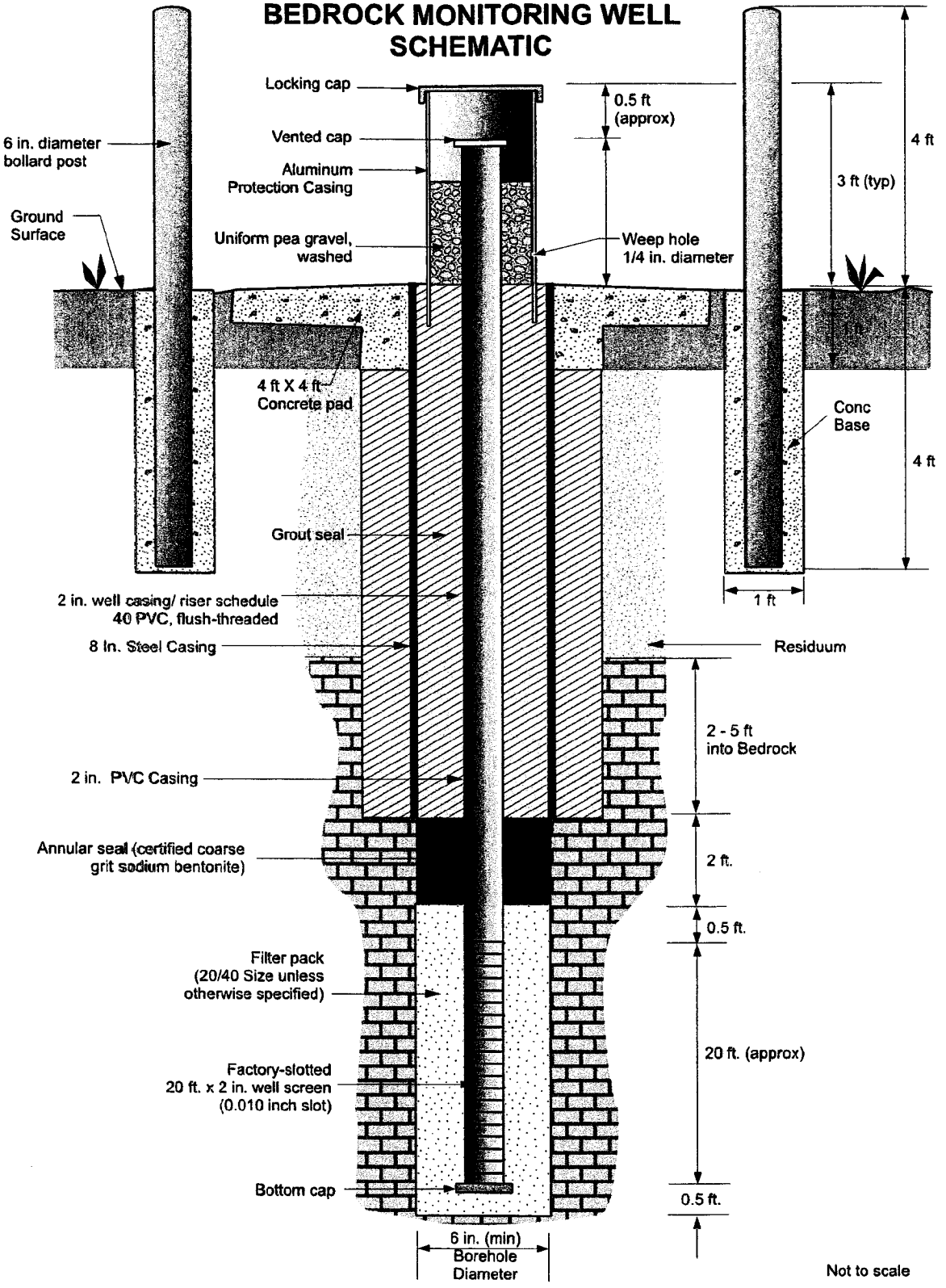


Not to scale

GeoSyntec Consultants
ATLANTA, GEORGIA

FIGURE NO.	1-2
PROJECT NO.	GR3731-06
DOCUMENT NO.	GA060000
FILE NO.	M-WELLS.CDR

BEDROCK MONITORING WELL SCHEMATIC



GeoSyntec Consultants
ATLANTA, GEORGIA

FIGURE NO.	1-3
PROJECT NO.	GR3731-06
DOCUMENT NO.	GA060000
FILE NO.	M-WELLS.CDR