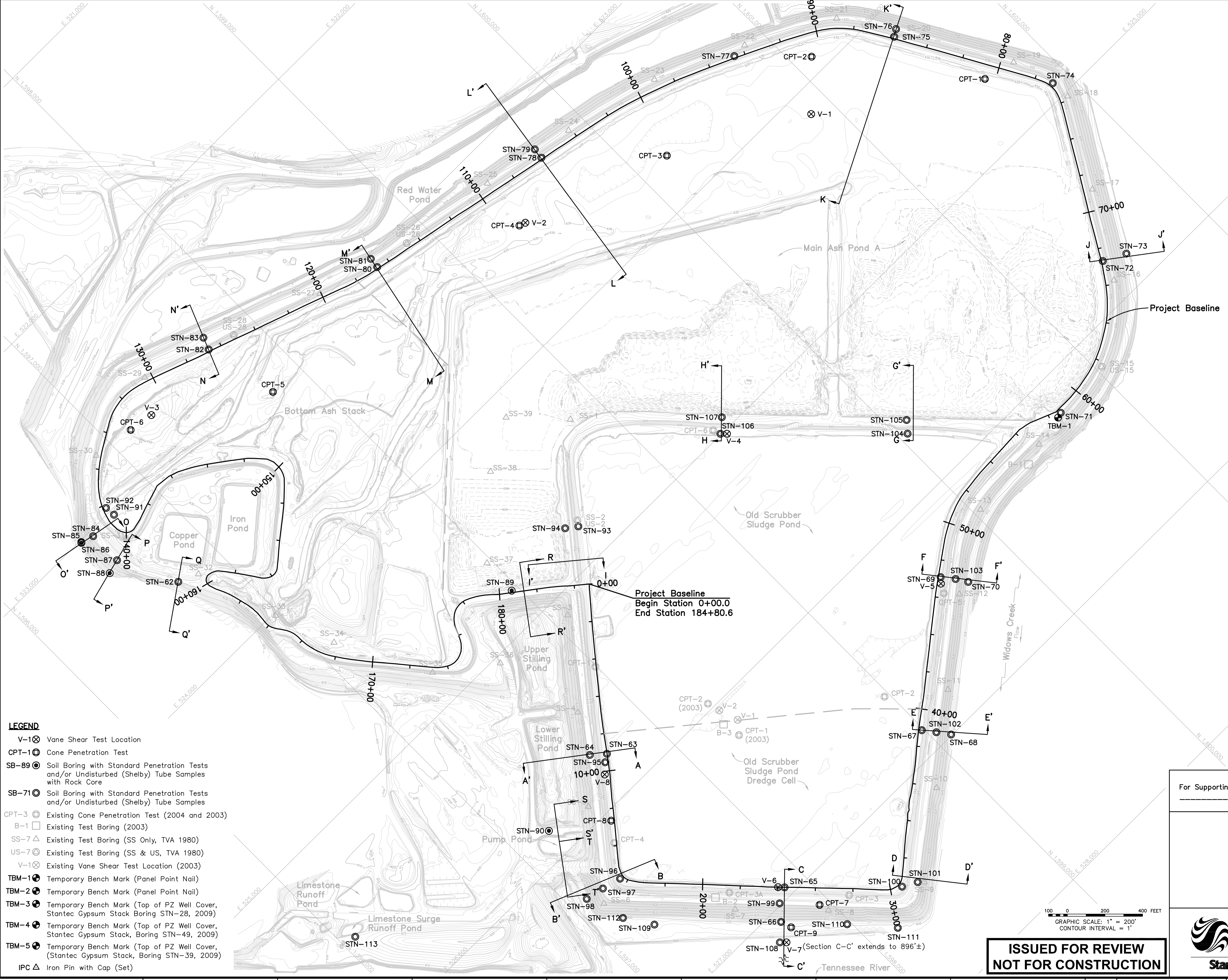


SURVEY CONTROL TABLE			
SURVEY POINT	NORTHING	EASTING	ELEV. (FEET)
TBM-1	1,600,675.13	526,198.77	636.75
TBM-2	1,600,424.81	528,228.01	616.34
TBM-3	1,600,650.11	527,741.06	651.46
TBM-4	1,601,258.43	527,058.79	654.99
TBM-5	1,602,374.57	526,839.67	655.19
IPC(SET)	1,602,197.57	526,907.77	676.73

BORING LOCATION TABLE			
NO.	NORTHING	EASTING	ELEV. (FT.)
V-1	1,600,947.0	523,864.1	636.0
V-2	1,599,381.1	523,453.6	636.4
V-3	1,597,268.3	522,789.7	636.0
V-4	1,599,385.6	525,014.6	645.9
V-5	1,599,662.8	526,325.4	647.6
V-6	1,597,855.6	526,911.6	645.0
V-7	1,597,691.2	527,181.6	601.5
V-8	1,597,661.0	525,832.6	646.1
CPT-1	1,601,668.3	524,646.2	636.6
CPT-2	1,601,097.5	523,912.5	636.7
CPT-3	1,600,179.8	523,743.4	636.0
CPT-4	1,599,361.5	523,455.3	636.4
CPT-5	1,597,807.1	523,159.9	642.4
CPT-6	1,597,127.6	522,770.4	647.3
CPT-7	1,597,948.6	527,145.3	638.2
CPT-8	1,597,477.5	526,046.5	646.5
CPT-9	1,597,756.7	527,123.4	604.3
STN-48	1,601,416.0	527,060.8	654.9
STN-62	1,596,738.1	523,522.1	635.8
STN-63	1,597,711.8	525,777.5	646.1
STN-64	1,597,643.0	525,718.1	638.1
STN-65	1,597,882.0	526,948.3	645.0
STN-66	1,597,739.2	527,065.2	606.3
STN-67	1,598,989.4	526,868.9	647.0
STN-68	1,599,083.7	526,995.0	611.4
STN-69	1,599,634.0	526,360.9	647.6
STN-70	1,599,720.3	526,482.8	613.3
STN-71	1,600,703.4	526,190.1	636.6
STN-72	1,601,431.1	525,775.3	636.6
STN-73	1,601,547.9	525,835.7	598.5
STN-74	1,601,909.1	524,916.3	635.7
STN-75	1,601,484.2	524,146.7	624.5
STN-76	1,601,519.8	524,124.6	624.5
STN-77	1,600,807.9	523,621.0	636.1
STN-78	1,599,698.1	523,281.1	636.8
STN-79	1,599,704.9	523,225.1	622.8
STN-80	1,598,668.7	523,078.9	637.2
STN-81	1,598,675.7	523,024.0	625.5
STN-82	1,597,723.5	522,758.9	636.9
STN-83	1,597,747.8	522,694.6	624.9
STN-84	1,596,588.0	523,031.0	639.3
STN-85	1,596,520.8	523,008.4	614.6
STN-86	1,596,518.5	523,011.9	617.6
STN-87	1,596,587.8	523,211.1	637.4
STN-88	1,596,511.6	523,232.4	618.5
STN-89	1,597,963.8	524,804.6	636.3
STN-90	1,597,204.1	525,851.5	613.2
STN-91	1,596,746.8	523,027.9	641.1
STN-92	1,596,741.8	522,972.4	640.1
STN-93	1,598,456.4	524,812.1	641.8
STN-94	1,598,399.5	524,769.6	639.0
STN-95	1,597,673.7	525,803.4	646.1
STN-96	1,597,293.4	526,298.6	647.6
STN-97	1,597,191.9	526,271.3	638.6
STN-98	1,597,091.5	526,250.2	602.5
STN-99	1,597,803.4	526,989.8	638.4
STN-100	1,598,328.0	527,385.4	644.1
STN-101	1,598,404.3	527,426.8	638.8
STN-102	1,599,036.5	526,931.3	638.7
STN-103	1,599,683.2	526,424.2	638.9
STN-104	1,600,046.7	525,695.6	645.9
STN-105	1,600,094.3	525,640.4	637.6
STN-106	1,599,340.1	524,994.7	645.9
STN-107	1,599,407.0	524,937.4	636.7
STN-108	1,597,658.1	527,138.2	601.5
STN-109	1,597,251.2	526,600.7	603.2
STN-110	1,597,979.8	527,321.7	606.5
STN-111	1,598,157.7	527,525.4	604.9
STN-112	1,597,157.5	526,457.8	604.1
STN-113	1,596,076.0	525,525.5	611.9



- LEGEND**
- V-1 ⊗ Vane Shear Test Location
  - CPT-1 ⊕ Cone Penetration Test
  - SB-89 ⊙ Soil Boring with Standard Penetration Tests and/or Undisturbed (Shelby) Tube Samples with Rock Core
  - SB-71 ⊙ Soil Boring with Standard Penetration Tests and/or Undisturbed (Shelby) Tube Samples
  - CPT-3 ⊕ Existing Cone Penetration Test (2004 and 2003)
  - B-1 □ Existing Test Boring (2003)
  - SS-7 △ Existing Test Boring (SS Only, TVA 1980)
  - US-7 ⊗ Existing Test Boring (SS & US, TVA 1980)
  - V-1 ⊗ Existing Vane Shear Test Location (2003)
  - TBM-1 ⊕ Temporary Bench Mark (Panel Point Nail)
  - TBM-2 ⊕ Temporary Bench Mark (Panel Point Nail)
  - TBM-3 ⊕ Temporary Bench Mark (Top of PZ Well Cover, Stantec Gypsum Stack Boring STN-28, 2009)
  - TBM-4 ⊕ Temporary Bench Mark (Top of PZ Well Cover, Stantec Gypsum Stack, Boring STN-49, 2009)
  - TBM-5 ⊕ Temporary Bench Mark (Top of PZ Well Cover, Stantec Gypsum Stack, Boring STN-39, 2009)
  - IPC △ Iron Pin with Cap (Set)

- NOTES:**
- Topographic mapping was provided by Tennessee Valley Authority (TVA) on April 1, 2009. The flight date for the Main Ash Pond Complex is February 4, 2008. The hydrographic survey for the Stilling Pond is dated June 26, 2008 through July 7, 2008. The hydrographic survey for the Main Ash Pond is dated October, 2009. The hydrographic survey for the Pump Pond Discharge Channel is dated June 23, 2008.
  - The Baseline depicted hereon was recreated from Drawing No. 10W7420 titled "Limestone and Ash Disposal Area" and 10W7463-01 titled "Ash Disposal Area Units 7 and 8".
  - The Project Baseline shown hereon is for illustrative purposes only, and should not be used by the Owner or Contractor.

**ISSUED FOR REVIEW  
NOT FOR CONSTRUCTION**

For Supporting Design Calculations see		R - - - - -		DISCIPLINE							
ISSUED FOR REVIEW		R 0 12/09/09 GKA TJ RDF HRA HRA HRA TJ - - -		INTERFACE							
REV. NO.	DATE	DSGN	DRWN	CHKD	SUPV	RVWD	APPD	ISSD	PROJECT	AS CONST	REV
SCALE: 1"=200'										EXCEPT AS NOTED	
YARD											
WIDOWS CREEK FOSSIL PLANT ASH POND COMPLEX BORING LAYOUT											
DESIGNED BY:	DRAWN BY:	CHECKED BY:	SUPERVISED BY:	REVIEWED BY:	APPROVED BY:	ISSUED BY:					
K. ANDERSON	T. JOHNSON	R. FULLER	H. APARICIO	H. APARICIO	H. APARICIO	T. JOHNSON					
WIDOWS CREEK FOSSIL PLANT TENNESSEE VALLEY AUTHORITY FOSSIL AND HYDRO ENGINEERING											
AUTOCAD R 2000	DATE	34	C	XXWXXX-01	R 0						
STANTEC		0		PLOT FACTOR:XX		C.A.D. DRAWING DO NOT ALTER MANUALLY					
TASK COMPLETED BY:		REV NO.		W_TVA							



10-XXXXXX (12/09/09) (SS, US, US&SS, V, V&SS, TBM, CPT, SB, IPC) (TVA, STANTEC) (10W7420, 10W7463-01) (BL, DWG)

