

**Beaverdam Mitigation Project
Harnett County, North Carolina**

Year 1 Monitoring Report



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November 2008

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1.0 SUMMARY

This Annual Report details the monitoring activities during the 2008 growing season on the Beaverdam Swamp Mitigation Site. Construction of the site, including planting of trees, was completed in February 2008. The 2008 data represents results from the first year of hydrology and vegetation monitoring for both wetlands and streams.

The design for the Beaverdam Swamp property involved stream restoration, riverine wetland restoration, and wetland enhancement. After construction, it was determined that the project generated 10,102 linear feet of stream restoration, 9.9 acres of wetland restoration, and 2.04 acres of wetland enhancement. The As-Built survey is included as Appendix A.

This Annual Report presents the data from eight automated hydrology monitoring stations, 14 vegetation monitoring plots, three crest gauges, one tipping bucket rain gauge, one funnel rain gauge, 20 cross sections, approximately 3,455 linear feet of profile survey, and photographic reference locations, as specified in the approved Restoration Plan for the site. Data was also collected from three reference automated hydrology monitoring stations.

In 2008, data collected from the groundwater monitoring gauges on the Beaverdam Mitigation Site indicate that only two of the hydrology monitoring stations at the mitigation site recorded hydroperiods of at least 10 percent of the growing season. Three of the remaining gauges fell within the hydroperiod range of the reference gauges and greater than or equal to five percent of the growing season. The remaining three gauges experienced hydroperiods below five percent. Only one of the reference gauges had a hydroperiod greater than 10 percent.

Weather station data from the Dunn Weather Station were used in conjunction the rain gauges located on the site to document precipitation amounts. The onsite gauges are used to validate observations made at the automated station. The on-site rainfall was within or above the normal range during March and April, July, September, and November. In March, June, and September rainfall levels the site received below normal rainfall.

This Annual Monitoring Report documents vegetation survival on 14 vegetation-monitoring plots. The vegetation monitoring indicated survival rates between 260 and 640 stems per acre. The site has experienced a number of incidents involving cattle accidentally entering the planted easement area. This appears has been corrected during the latter part of the growing season. Many plots are just above the minimum criteria of 320 stems per acres after three years. For the 2008 monitoring year, the average number of stems per acre on site is 419. It is recommended that portions of the site be replanted due to initial stocking densities to ensure the site meets its target success criteria. Herbaceous vegetation appears good for the first year and should improve over time. Minimal small areas with bare soil were observed and no remedial action is recommended at this time. Both hydrophytic and non-hydrophytic herbaceous vegetation are found across the site.

Two bankfull events were recorded at the site. The restored stream channel is generally stable and is providing the intended habitat and hydrologic functions. All monitored cross sections and longitudinal profile for 2008 show very little adjustment in stream dimension.

2.0 INTRODUCTION

2.1 PROJECT DESCRIPTION

The Beaverdam Swamp Stream and Wetland Mitigation project is in Harnett County, North Carolina, approximately 3 miles southwest of Erwin (**Figure 1**). The property is on an old floodplain terrace to either side of Bunnlevel Erwin Road (SR 1779). Access is directly from Bunnlevel Erwin through pasture and agricultural fields. Construction at the site was completed in February 2008. Groundwater, surface water, and rain gauges were functional beginning in February 2008. The 2008 monitoring season represents Year 1 of monitoring for the site.

The mitigation site consists of three stream systems and associated riparian wetlands along the floodplain. The three distinct unnamed tributaries (UT) are identified as UT1, UT2, and UT3. The USGS Erwin, NC topographic quadrangle (**Figure 2**) shows UT 1 and UT 2 drain into Beaverdam Swamp and UT3 discharges directly into the Cape Fear River. UT1 has a drainage area of 602 acres (0.94 mi²), UT2 has a drainage area of 147 acres (0.23 mi²), and UT3 has a drainage area of 262 acres (0.41 mi²). Surrounding land use consists of existing forest, open pasture, and agricultural fields. On-site topography, soils, and existing wetland areas demonstrate that the site historically supported riverine wetlands. A conservation easement protects the restoration and preservation areas (**Figure 3**).

The pre-restoration altered conditions of the stream and the riparian buffer reduced water quality and impaired habitat. Livestock access resulted in the direct input of nutrients and biochemical oxygen demand (BOD) into the stream and wetlands. Hoof-shear created bank instability resulting in heavy sedimentation. Water quality was also diminished due to raised turbidity from bank erosion and elevated water temperatures caused by the lack of tree shading. Habitat was reduced by the diminished water quality and loss of physical habitat such as bed features, woody debris, and a well developed vegetative community. Migrating head-cuts had incised the channels and drained wetlands. There are two wetland restoration areas (WR) associated with UT3 and three wetland enhancement areas (WE) associated with UT1.

2.2 PROJECT PURPOSE

The objective of this project is to provide 10,200 stream mitigation units (SMU) and 9 wetland mitigation units (WMU) to the EEP through the full delivery process in the Cape Fear River Basin 03030004110020 hydrologic unit, and to improve riparian and aquatic habitats and water quality through ecological restoration practices. Stream mitigation was provided through restoration and enhancement on three stream systems that are tributaries to Beaverdam Swamp. Riverine wetland mitigation was provided through enhancement and restoration. The site was identified and developed by EBX through the NC EEP full delivery mitigation process.

Monitoring of the Beaverdam Swamp Site is required to demonstrate successful mitigation based on criteria in the Restoration Plan and through a comparison to reference site conditions. The success criteria components adhere to EEP and USACE guidelines. Hydrology, vegetation, and stream monitoring are conducted on an annual basis. This Annual Monitoring Report details the results of the monitoring efforts for 2008 (Year 1) at the Beaverdam Swamp Mitigation Site.

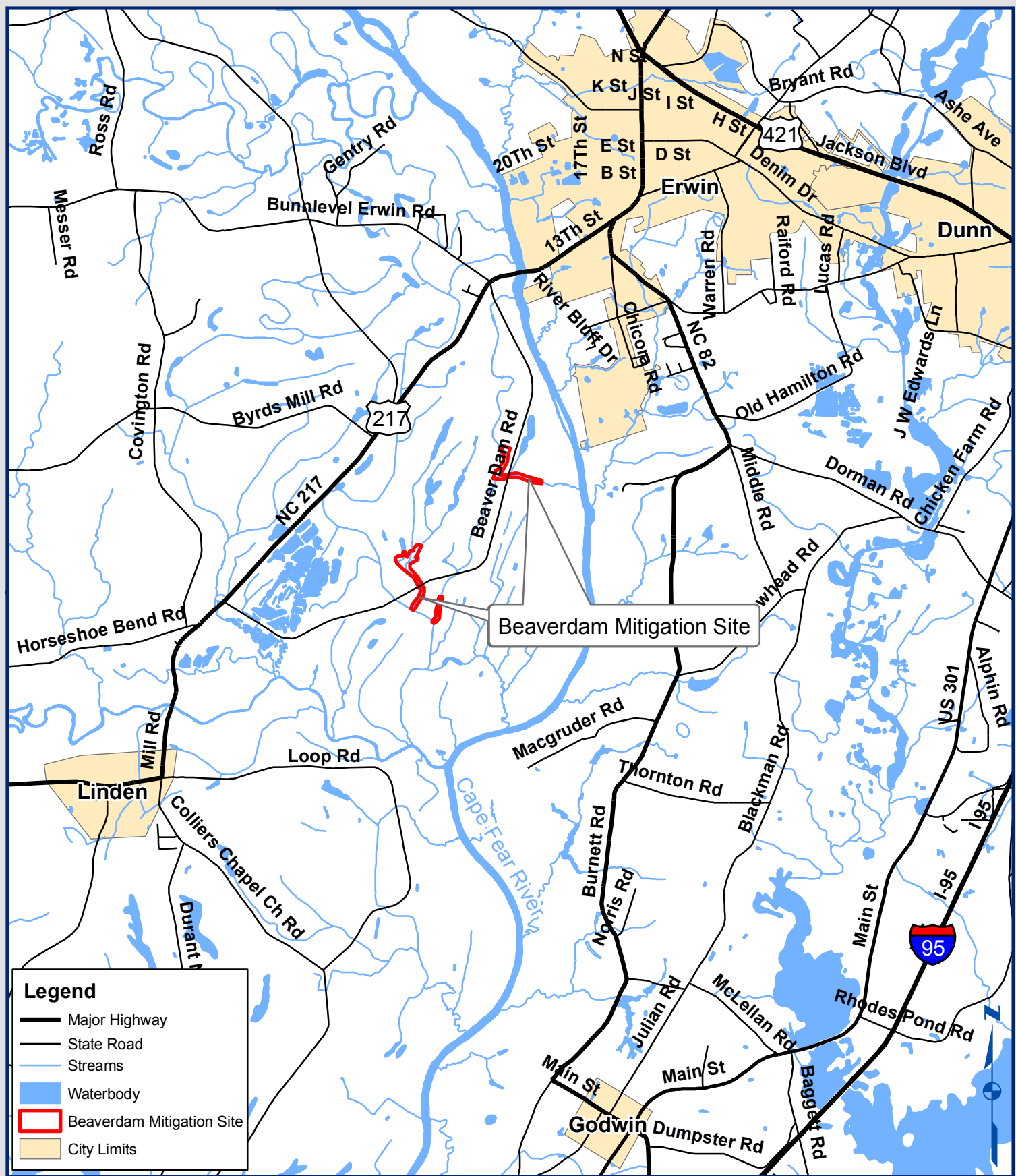
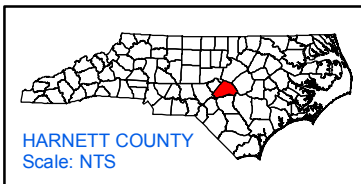


Figure 1.
Beaverdam Creek Mitigation Site
Project Vicinity Map



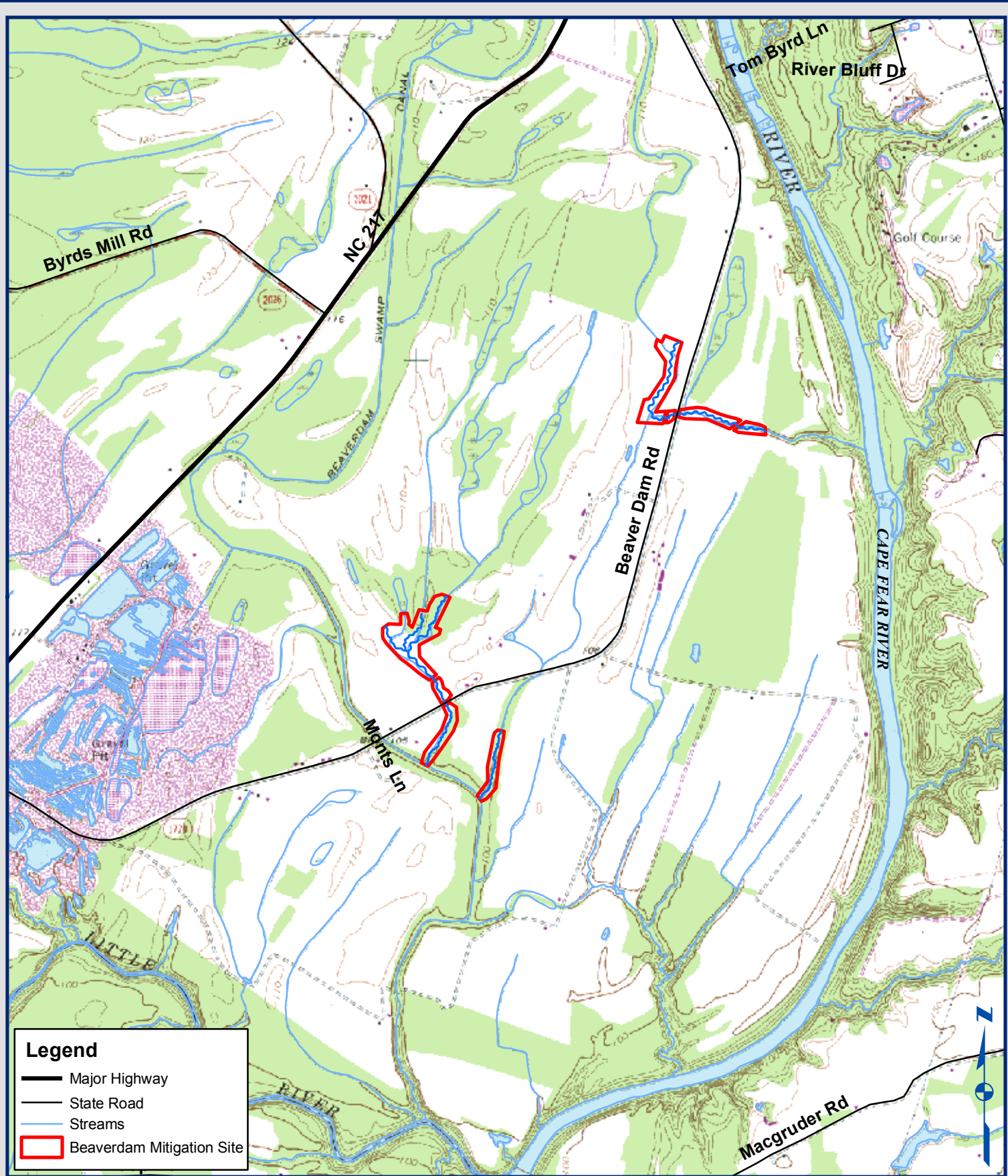
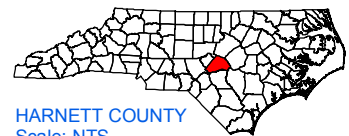


Figure 2.
Beaverdam Creek Mitigation Site
USGS Map

SOURCE: USGS,
 Erwin, NC Quadrangle, 1973

0 1,000 2,000 4,000
 Feet



The Beaverdam Swamp Mitigation Report (May 2008) documented 10,102 linear feet of stream restoration, 292 linear feet of stream enhancement Level II, 9.9 acres of wetland restoration, and 2.04 acres of wetland enhancement, resulting in 10,231 SMUs and 10.9 WMUs for the project (**Table 1**). A raised streambed elevation will provide the hydrology for restoring the wetlands. The wetland and stream restoration will provide multiple ecological and water quality benefits within the Roanoke River Basin. Benefits include nutrient removal, sediment and BOD reduction, water storage, improved groundwater recharge, improved in-stream and riparian habitat, and restored wetland habitat.

Table 1. Project Mitigation Structure and Objectives

Reach Name	As-Built Length (ft)	Wetland (ac)	Restoration Approach
UT1-A/B/C	3,403		Restoration
UT1-D	829		Restoration
UT1-E (Valley)	556		Restoration
UT1-F	583		Restoration
UT2	1,264		Restoration
UT3-A/B	3,479		Restoration
UT3-C	292		Enhancement
WR-A		3.70	Restoration
WR-B		6.20	Restoration
WE-A		0.80	Enhancement
WE-B		0.70	Enhancement
WE-C		0.14	Enhancement
WE-D		0.40	Enhancement
Total	10,406	11.94	

2.3 PROJECT HISTORY & SCHEDULE

The project was constructed in the fall and winter of 2007/2008 and the five year monitoring is expected to be completed in the fall of 2012 (**Table 2**). **Table 3** lists the project contacts.

Table 2. Project Activity and Reporting History

Month	Activity
February 2008	Construction Completed
February 2008	Planting Completed
February 2008	Post Construction Monitoring Gauges Installed
May 2008	As-Built Report Submitted
November 2008	1st Annual Monitoring Report
November 2009	2th Annual Monitoring Report (Scheduled)
November 2010	3th Annual Monitoring Report (Scheduled)
November 2011	4th Annual Monitoring Report (Scheduled)
November 2012	5th Annual Monitoring Report (Scheduled)

Table 3. Project Contacts

Contact	Firm Information
Project Manager Norton Webster	Environmental Banc & Exchange , LLC (919) 608-9688
Designer Todd St. John, PE	Kimley-Horn and Associates (919) 653-2950
Monitoring Contractor Daniel Ingram	WK Dickson and Co., Inc (919) 782-0495

3.0 HYDROLOGY

3.1 HYDROLOGIC SUCCESS CRITERIA

As stated in the Restoration Plan, the hydrology success criterion for the site is to restore the water table at the site so that it will remain within 12 inches of the soil surface for at least 10 percent of the growing season continuously (approximately 21 days). The growing season is from March 16 to November 11. Based on daily minimum temperature greater than 28 Fahrenheit occurring in 5 of 10 years the growing season for Harnett County is 240 day long. Gauge data will be compared to gauge data from a reference wetland in growing seasons with less than normal rainfall. In periods of low rainfall, if a restoration gauge hydroperiod exceeds the reference gauge hydroperiods and both exceed five percent of the growing season, then the gauge will be deemed successful. The results of hydrology monitoring across the wetland restoration site is presented in this annual monitoring report.

3.2 DESCRIPTION OF HYDROLOGY MONITORING EFFORTS

Nine automated HOBO groundwater gauges, one tipping bucket rain gauge, and one funnel rain gauge were installed prior to the beginning of the first growing season (**Figure 3**). Three additional automated groundwater gauges were installed in a reference wetland. Groundwater gauges are installed to a minimum depth of 40 inches below the ground surface. The monitoring protocol for the site specifies that automated monitoring stations will be downloaded and checked for malfunctions on a monthly basis. During monthly site visits, manual groundwater gauges are read and cumulative rainfall totals are collected from the on-site rain gauge. During the 2008 growing season, all nine automated loggers performed well and no periods of missing data were encountered.

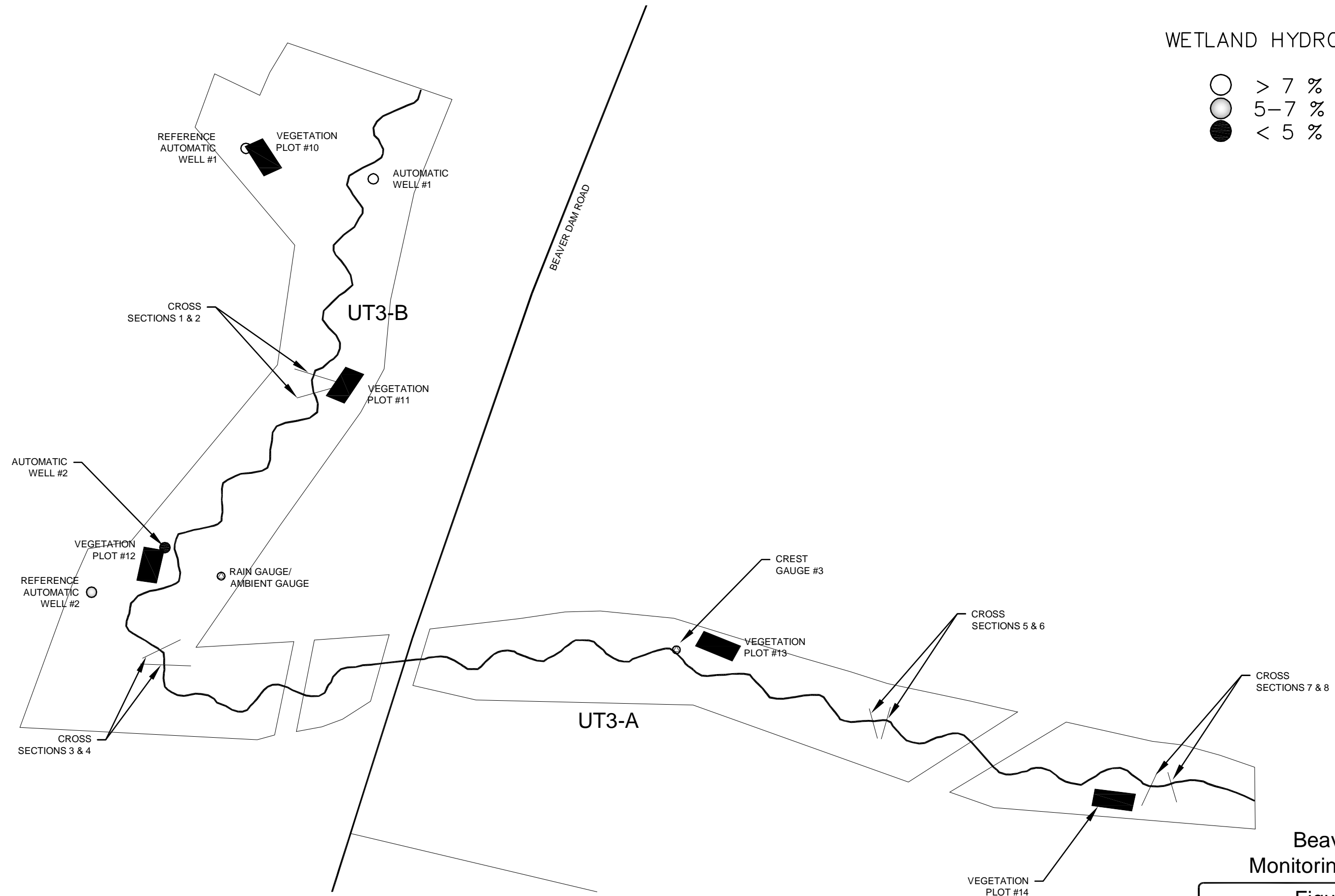
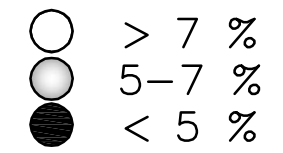
Automated Gauges

HOBO automatic groundwater gauges record water table elevations four times daily at 06:00, 12:00, 18:00, and 24:00. These automatic gauges employ pressure sensors that record water elevation above the bottom of the sensor (with atmospheric pressure compensation). The calibration water table depth is recorded at monthly downloads. To determine wetland hydroperiods the automatically recorded data are compared to the calibration data to determine a standard correction factor between the calibration gauge and the automatic gauge for each location. The standard correction factor is applied to correct daily readings. The corrected daily readings are used to determine wetland hydroperiods.

Data Interpretation

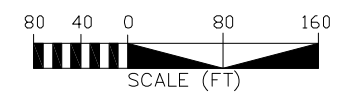
Wetland hydroperiods are calculated for four daily water table depth elevations. A hydroperiod is calculated if the water table is equal to or less than 12 inches below ground surface for at least 24 hours. If a gauge falls below -12 inches for four consecutive readings (24 hours) then the hydroperiod ends at the last reading within 12 inches of the ground surface. If a gauge falls below -12 inches for only of three readings then maintains a reading above -12 inches for a minimum of

WETLAND HYDROPERIOD

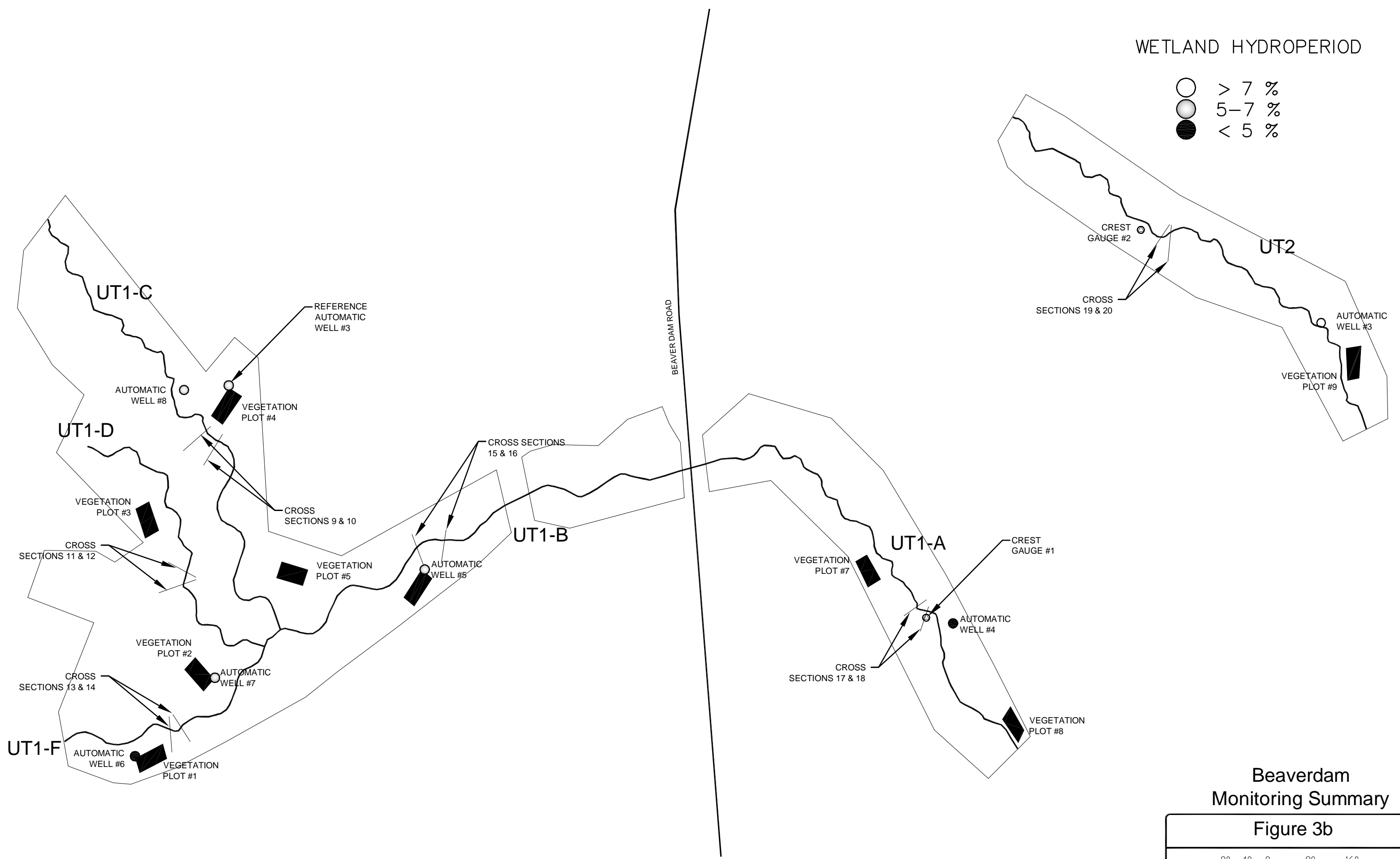
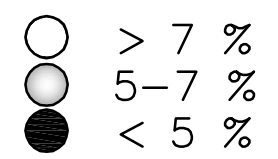


Beaverdam
Monitoring Summary

Figure 3a

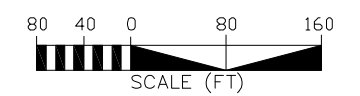


WETLAND HYDROPERIOD



Beaverdam
Monitoring Summary

Figure 3b



24 hours, the hydroperiod is calculated continuously. This methodology accounts for minor technical malfunctions experienced by the automatic gauges.

3.3 RESULTS OF HYDROLOGY MONITORING

The following hydroperiod statistics were calculated for each monitoring station during the growing season: 1) most consecutive days and percent of growing season that the water table was within twelve inches of the surface; 2) cumulative number of days and percent of growing season that the water table was within twelve inches of the soil surface; and 3) number of times that the water table rose to within twelve inches of the soil surface (**Table 4**). Raw hydrograph data collected from the monitoring gauges are provided in **Appendix C**.

Table 4. Hydrologic Monitoring Results

2008 Max Hydroperiod (Growing Season 16-Mar through 11-Nov, 240 days)					
Gauge	Consecutive		Cumulative		Occurrences
	Days	Percent of growing Season	Days	Percent of growing Season	
AW1	56	23.4	109	45.2	10
AW2	9	3.6	54	22.6	18
AW3	29	12.0	76	31.6	7
AW4	4	1.5	5	1.9	2
AW5	17	6.9	113	46.9	17
AW6	10	4.1	43	17.7	10
AW7	17	6.9	101	42.1	13
AW8	15	6.3	43	18.0	9
REFAW1	72	29.8	178	74.3	11
REFAW2	15	6.1	92	38.4	14
REFAW3	15	6.4	43	17.7	10

The site was designed to re-integrate the streams with the drained wetlands, restoring stream and wetland habitat features, and re-establishing a native, forested hardwood wetland ecosystem. Hydrology in the riparian areas is driven primarily by high groundwater and over bank flooding. The growing season data collected for the 2008 Year 1 monitoring period indicate that the site is drier than expected in the Restoration Plan, with only one monitoring station in the mitigation area exceeding the hydrology success criteria. Gauges AW2, AW4, and AW6 were noticeably drier than the reference wetland. This may be due to a number of causes, but most likely because the site is newly restored site and the past two years rainfall conditions have been below normal. Two of the three reference gauges also failed to meet the success criteria.

Table 5 lists the minimum depth at which the under performing gauges achieved a 10 percent hydroperiod. These data demonstrate that most of the wetland area had a water table within 20 inches of the surface for considerable portions of the growing season.

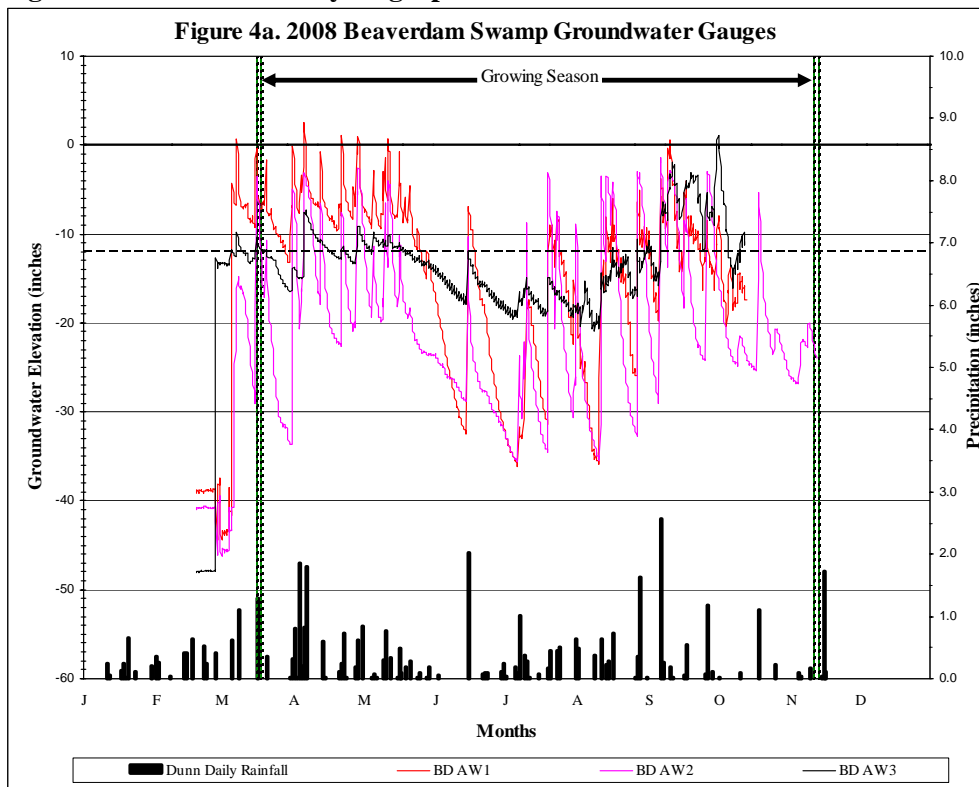
Table 5. Hydroperiod Depths for Unsuccessful Gauges

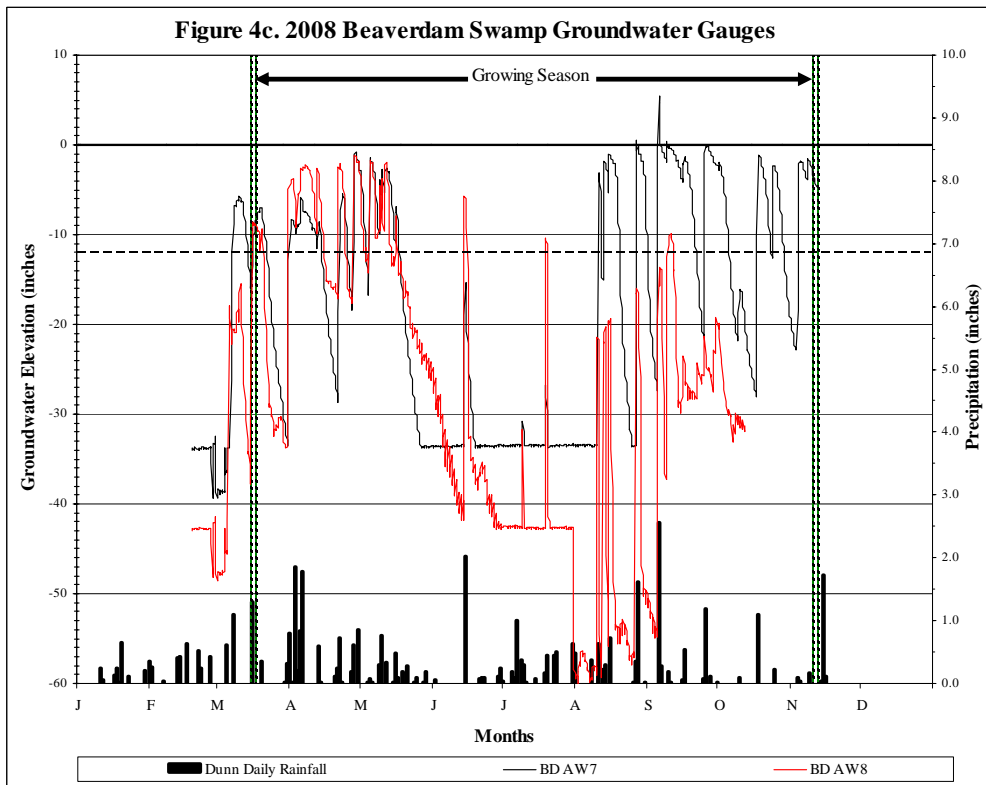
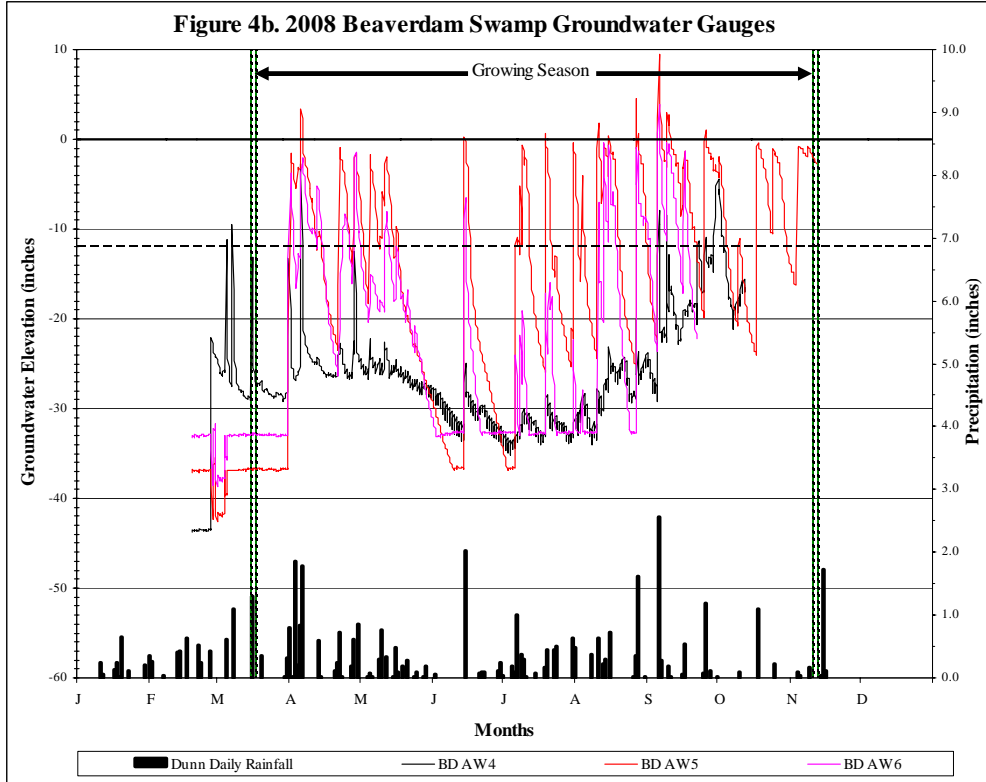
Gauge	10 Percent Hydroperiod Depth
AW2	-20.92
AW4	-21.12
AW5	-18.34
AW6	-20.35
AW7	-18.46
AW8	-16.42
REFAW2	-15.91
REFAW3	-16.09

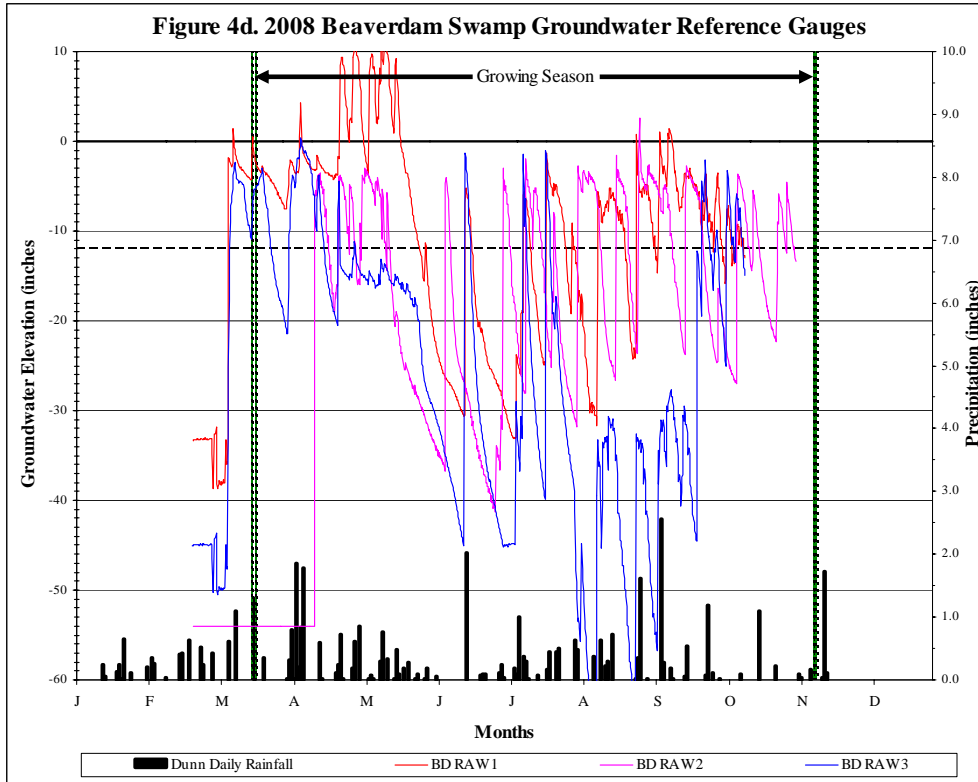
3.3.1 Site Data

Depth of groundwater for each of the monitoring gauges is shown in a graph with precipitation (**Figure 4**). This hydrograph demonstrates the reaction at each monitoring location of the groundwater level to specific rainfall events. Raw hydrograph data collected from the monitoring gauges is provided in **Appendix C**.

Figure 4. Groundwater Hydrographs







3.3.2 Reference Data

The approved Mitigation Plan provides that if the rainfall data for any given year during the monitoring period is not normal, the reference wetland data can be accessed to determine if there is a positive correlation between the performance of the restoration site and the natural hydrology of the reference site. The three reference gauges had hydroperiods ranges of from five to 30 percent of the growing season. Five of the eight restoration gauges fell within this range.

3.3.3 Climate Data

Monthly rainfall for 2008 was compared to historical precipitation for Harnett County (**Table 6** and **Figure 5**). Observed precipitation data were collected from an automated weather station in Dunn (Harnett County). The Dunn weather station data for 2008 was within normal limits for the growing season. Rainfall was below normal limits in January, June, and October; and exceeded normal limits in April and July through September. Monthly rainfall data for the site in November and December was not available at the time this report was compiled. The on-site rainfall was below normal for March and above normal for April, September, and October. The on-site rainfall data for the month of August was unavailable due to livestock in the easement area disturbing the gauge.

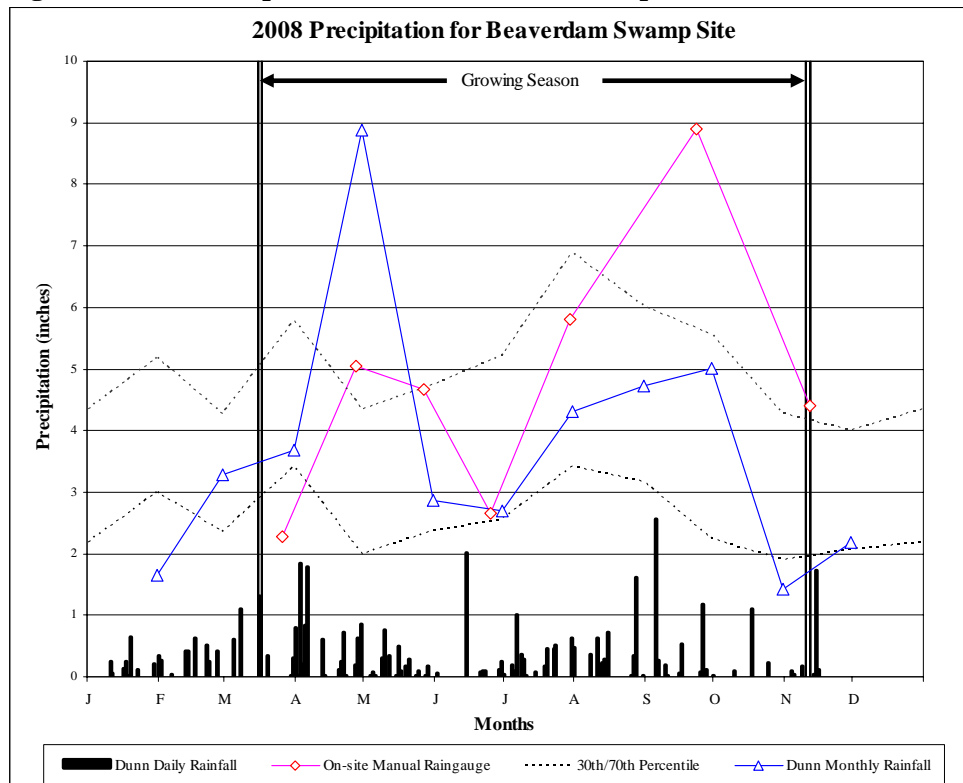
Table 6. Comparison of Normal Rainfall to Observed Rainfall

Month	Average	Normal Limits		Dunn Precipitation	On-Site Precipitation
		30 Percent	70 Percent		
January	4.12	3.00	5.18	1.65	---
February	3.59	2.36	4.27	3.29	---
March	4.71	3.42	5.78	3.69	2.27
April	3.25	1.99	4.34	8.88	5.05
May	3.82	2.37	4.75	2.86	4.66
June	4.50	2.56	5.22	2.69	2.65
July	5.64	3.42	6.89	4.31	5.80
August	4.86	3.17	6.02	4.72	*
September	4.50	2.24	5.56	5.01	8.9
October	3.16	1.89	4.26	1.43	---
November	3.08	2.07	4.01	2.18	4.4**
December	3.57	2.18	4.35	---	---
Annual	---	42.45	51.56	---	---
Total	48.79	---	---	40.71	33.73

* Data lost due to livestock damage

**On-site rainfall data for November includes October data through end of the growing season

Figure 5. 2008 Precipitation for Beaverdam Swamp Site



3.4 HYDROLOGIC CONCLUSIONS

Data collected from the groundwater monitoring gauges on the Beaverdam Mitigation Site in 2008 indicate that only two of the hydrology monitoring stations recorded hydroperiods of at least 10 percent of the growing season and meet the hydrologic success criterion for 2008. Three of the remaining gauges fell within the hydroperiod range of the reference gauges with greater than five percent of the growing season. The remaining three gauges experienced hydroperiods below five percent. Only one of the reference gauges had a hydroperiod greater than 10 percent.

Dunn weather station rainfall data indicates that the 2008 growing season rainfall amounts were normal to above normal for most of the growing season, except for June and October, when rainfall levels were below normal. The on-site rainfall was within or above the normal range during March and April, July, September, and November. In March, the site received below normal rainfall.

4.0 VEGETATION

4.1 VEGETATION SUCCESS CRITERIA

Successful establishment of vegetation in wetland restoration and riparian areas will be the survival of 260 planted stems following Year 5 monitoring. The site must also meet the interim success criterion of the survival of at least 320 planted stems per acre at the end of the Year 3 monitoring period. Up to 20 percent of the species composition may be comprised of volunteers. Remedial action may be required should volunteers present a problem or exceed 20 percent composition.

A digital image photo log will be used to subjectively evaluate the restoration site over time. A series of images over the five year monitoring period should demonstrate maturation of planted vegetation and volunteer hydrophytic species.

4.2 DESCRIPTION OF SPECIES AND VEGETATION MONITORING

Fourteen semi-permanent vegetation sampling plots were established within the planted restoration areas to monitor the success of planted vegetation. The vegetation plots are 0.05 acres in size. The vegetation plots are distributed across the site, but the precise location and orientation of the plots was random (see locations on as-built drawings in **Appendix A**). The plots cover approximately 2.0 percent of the planted area. Twelve tree species were planted on the site (**Table 7**).

Table 7. Planted Tree Species

Common Name	Scientific Name	FAC Status
River Birch	<i>Betula nigra</i>	FACW
Pignut Hickory	<i>Carya glabra</i>	FACU
Green Ash	<i>Fraxinus pennsylvanica</i>	FACW
Black Walnut	<i>Juglans nigra</i>	FACU
Tulip Poplar	<i>Liquidambar styraciflua</i>	FAC+
Swamp Tupelo	<i>Nyssa biflora</i>	OBL
Overcup Oak	<i>Quercus lyrata</i>	OBL
Swamp Chestnut Oak	<i>Quercus michauxii</i>	FACW-
Coastal Willow Oak	<i>Quercus phellos</i>	FACW-
Northern Red Oak	<i>Quercus rubra</i>	FACU
Bald Cypress	<i>Taxodium distichum</i>	OBL
Slippery Elm	<i>Ulmus rubra</i>	FAC

All of the planted stems inside each plot were flagged with orange or pink flagging to help in locating them in the future. Each stem is tagged with a sequentially numbered aluminum tag.

4.3 RESULTS OF VEGETATION MONITORING

Stem counts for each of the 14 vegetation monitoring stations were recorded by species (**Table 8**). Many of the planted stems appeared healthy and have recent growth although a few stems have limited growth and did not appear healthy. The planted stems in the monitoring plots ranged from 260 to 640 stems per acre with an average of 419 stems per acre (**Table 9**). A few of the numbered tags have been lost or damaged, typically on smaller stems. This may be due to tags being sweepover small stems during flooding or small animal theft.

Table 8. Results of 2008 Vegetation Monitoring by Plot

Species	Plot													
	VP 1	VP 2	VP 3	VP 4	VP 5	VP 6	VP 7	VP 8	VP 9	VP 10	VP 11	VP 12	VP 13	VP 14
River birch		3	1	7		7	1	2	4		3			
Pignut Hickory											1	6		
Green ash	13	6	3		2	5		7	6		2	7		
Black walnut			1											
Tulip poplar	2			2				2			2	1		
Swamp Tupelo	2	8	2	4	6	6		6	1	12	9	10		
Overcup oak	1	2	4	1	4		12	4						
Swamp chestnut oak								2	6			3		
Willow oak	1		3					5				2	2	2
Northern red oak							2				4		10	18
Cypress	2	2	3	3	1					9	2	3		
Slippery elm							3				1		13	4

Table 9. Summary of Vegetation Monitoring Results – Year 1

Plot Number	Stems Planted	2008 Stems	Percent Survival	Stem/Acre					
					2008	2009	2010	2011	2012
				As-Built	Year 1	Year 2	Year 3	Year 4	Year 5
1	31	18	58.1	620	360				
2	32	21	65.6	640	420				
3	30	17	56.7	600	340				
4	32	17	53.1	640	340				
5	31	13	41.9	620	260				
6	33	18	54.5	660	360				
7	31	18	58.1	620	360				
8	33	28	84.8	660	560				
9	20	17	85.0	400	340				
10	23	21	91.3	460	420				
11	38	24	63.2	760	480				
12	35	32	91.4	700	640				
13	34	25	73.5	680	500				
14	33	24	72.7	660	480				

Average Stems/Acre: 419

Range of Stems/Acre: 260-640

A plan view drawing of the vegetation plots is provided in **Figures 6a** and **6b**. The drawing includes the appropriate information pertaining to vegetation monitoring of the project. The drawing also shows the locations of the following features:

- Vegetation monitoring plots
- Locations of any vegetation problem areas
- Symbology to represent vegetative problem types (if appropriate)

An estimate of herbaceous vegetation cover is provided to assess the overall stability of the site (**Table 10**). The herbaceous vegetation coverage at the site is nearly 100 percent and is variable in composition, as would be expected in a natural riparian system. The narrow linear areas found just above top of bank typically have the sparsest coverage. Areas observed to have bare soil have herbaceous vegetation and are expected to have complete coverage in the future and no remedial action is recommended at this time.

Table 10. Estimated Herbaceous Total Percent Cover

Plot Number	Estimated Percent Cover
1	100
2	100
3	90
4	95
5	95
6	100
7	90
8	100
9	100
10	100
11	95
12	100
13	95
14	95

The herbaceous cover is typically dense across most of the site and is typical of pasture and disturbed land. The most common herbaceous species across the site are annual ragweed (*Ambrosia artemisiifolia*), dogfennel (*Eupatorium capillifolium*), and tall fescue (*Schedonorus phoenix*). Much of the other species are classified as weedy and include; American pokeweed (*Phytolacca americana*), Bahiagrass (*Paspalum notatum*), blackberry (*Rubus argutus*), broomsedge bluestem (*Andropogon virginicus*), Canada goldenrod (*Solidago canadensis*), Carolina horsenettle (*Solanum carolinense*), foxtail (*Setaria* sp.), giant cane (*Arundinaria gigantea*), hairy crabgrass (*Digitaria sanguinalis*), multiflora rose (*Rosa multiflora*), Nepalese browntop (*Microstegium vimineum*), Rush (*Juncus effusus*), and panic grass (*Panicum anceps*). The woody vine trumpet creeper (*Campsis radicans*) was also observed in some of the plots.

Commonly found woody volunteer species are also monitored throughout the five year monitoring period (**Table 11**). The volunteer species were less obvious, most likely because of decreased germination, vigor, and survival due to the earlier drought. The herbaceous cover also obscures the smaller volunteer individuals.

Table 11. Volunteer Tree Species

Common Name	Scientific Name	FAC Status
Red Maple	<i>Acer rubrum</i>	FAC
Eastern Baccharis	<i>Baccharis halimifolia</i>	FAC
Sugarberry	<i>Celtis laevigata</i>	FACW
Persimmon	<i>Diospyros virginiana</i>	FAC
Sweetgum	<i>Liquidambar styraciflua</i>	FAC+
Black Willow	<i>Salix nigra</i>	OBL
Winged Elm	<i>Ulmus alata</i>	FACU+
Slippery Elm	<i>Ulmus rubra</i>	FAC

4.4 VEGETATION OBSERVATIONS & CONCLUSIONS

In general, the live stems were healthy and many exhibited significant new growth. A number of incidents where cattle accidentally entered the easement area were recorded. The site has experienced a number of incidents involving cattle accidentally entering the planted easement

area. This appears has been corrected during the latter part of the growing season. Damage from trampling and grazing to the young seedlings resulted in some of the plots with low survival. Additional stem loss may be attributed to various caused that include improper planting technique, dry conditions, herbivory, and weaker individual stems. Many plots are just above the minimum criteria of 320 stems per acres after three years. It is recommended that a number of areas be replanted with two-year-old seedlings to ensure the site meets its target success criteria. The areas around plot 8 and plots 11 through 14 have adequate survival and replanting is not necessary.

Herbaceous vegetation appears good for the first year and will improve over time. Minimal small areas with bare soil were observed and no remedial action is recommended at this time. Both hydrophytic and non-hydrophytic herbaceous vegetation are found across the site. The most common herbaceous species are annual ragweed (*Ambrosia artemisiifolia*), dogfennel (*Eupatorium capillifolium*), and tall fescue (*Schedonorus phoenix*). Giant cane (*Arundinaria gigantea*), common rush (*Juncus effusus*), and vine trumpet creeper (*Campsis radicans*) are the common hydrophytic species present.

For the 2008 monitoring year, the average number of stems per acre on site is 419. it is recommended that portions of the site be replanted due to livestock damage.

5.0 STREAM MONITORING

5.1 STREAM SUCCESS CRITERIA

As stated in the approved Mitigation Plan, the stream restoration success criteria for the site includes the following:

- *Bankfull Events*: Two bankfull flow events must be documented within the five-year monitoring period.
- *Cross-Sections*: There should be little change in as-built cross sections. Cross sections shall be classified using the Rosgen stream classification method and all monitored cross-sections should fall within the quantitative parameters defined for "E" or "C" type channels.
- *Longitudinal Profiles*: The longitudinal profiles should show that the bedform features are remaining stable, e.g. they are not aggrading or degrading. Bedforms observed should be consistent with those observed in "E" and "C" type channels.
- *Photo Reference Stations*: Photographs will be used to subjectively evaluate channel aggradation or degradation, bank erosion, success of riparian vegetation and effectiveness of erosion control measures.
- *Benthic Macroinvertebrates*: Sampling of benthic macroinvertebrates within the restored stream channel shall be conducted for the first three years of post-restoration monitoring.

5.2 STREAM MORPHOLOGY MONITORING PLAN

The stream monitoring program will be implemented to document system development and progress toward achieving the success criteria. The monitoring program will be undertaken for 5 years or until the final success criteria are achieved, whichever is longer.

5.2.1 Cross Sections

Two permanent cross sections will be installed per 1,000 linear feet of stream restoration work, with one located at a riffle and one located at a pool. Each cross section will be marked on both

banks with permanent pins to establish the exact transect used. A common benchmark will be used for cross sections to facilitate easy comparison of year-to-year data. The annual cross-section survey will include points measured at all breaks in slope, including top of bank, bankfull, inner berm, edge of water, and thalweg, if the features are present. Riffle cross sections will be classified using the Rosgen stream classification system.

5.2.2 Longitudinal Profile

A longitudinal profile will be measured annually throughout the five-year monitoring period. The profile will be measured along a representative length of restored channel. Measurements will include thalweg, water surface, bankfull, and top of low bank. Each of these measurements will be taken at the head of each feature, for example, shallow, pool, and the max pool depth. The survey will be tied to a permanent benchmark.

5.2.3 Hydrology

The occurrence of bankfull events within the monitoring period will be documented by the use of a crest gauge and photographs. The two crest gauges will record the highest watermark between site visits, and the gauge will be checked monthly to document high flows. Digital images will be used to document the occurrence of debris lines and sediment deposition on the floodplain during monitoring site visits.

5.2.4 Photo Reference Stations

Photographs will be used to subjectively evaluate channel aggradation or degradation, bank erosion, success of riparian vegetation and effectiveness of erosion control measures.

5.3 STREAM MORPHOLOGY MONITORING RESULTS

5.3.1 Cross Sections

The cross sections were surveyed during the monitoring set-up and in August 2008 for Year 1. The baseline data has been compared with the Year 1 monitoring data in **Appendix B**. Compared to the documented baseline data, the Year 1 channel cross sections showed that overall stream dimensions remained stable during this first growing season. There is very little difference between the baseline cross sections, and the Years 1 cross sections.

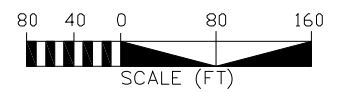
5.3.2 Longitudinal Profile

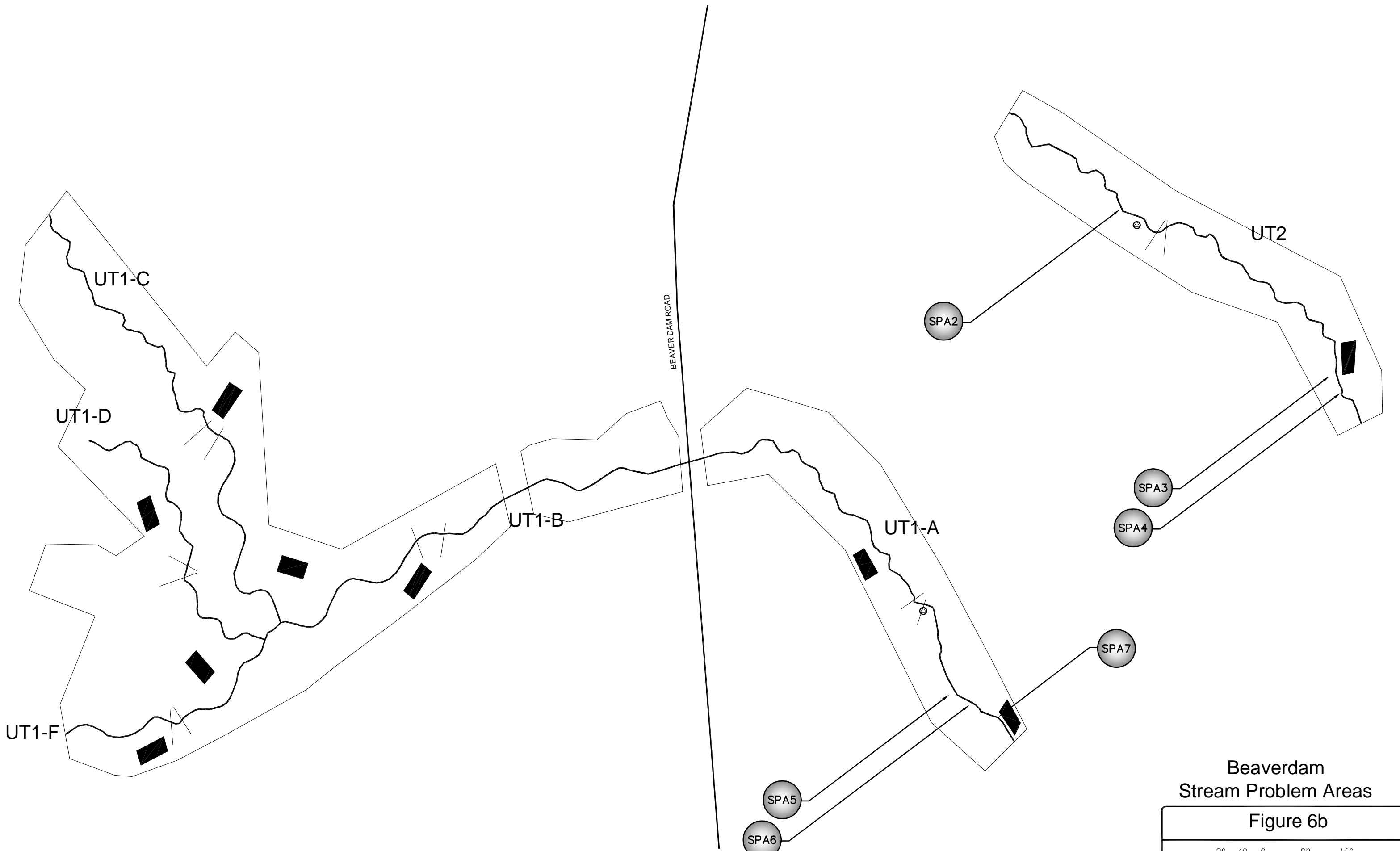
A longitudinal profile survey was conducted along six separate reaches of the restoration project, totaling approximately 3,455 linear feet. Survey was conducted in reach UT1-B Upper from STA 112+72 to STA 119+20, in reach UT1-C from STA 107+00 to STA 112+72, in reach UT1-D from STA 154+00 to STA 158+30, in reach UT1-F from STA 182+80 to STA 185+80, in UT3-A from STA 239+00 to STA 335+00, and in reach UT3-B from STA 307+00 to STA 315+20. The longitudinal profile information documents the elevations and locations of known streambed features and in-stream grade control structures according to the As-Built survey plans, as shown in **Appendix A**. The profile and cross sections show that there has been very little adjustment to stream dimension since construction. **Table 12** summarizes stream areas requiring observation. **Figure 6** shows the locations of the stream areas that require observation.



Beaverdam
Stream Problem Areas

Figure 6a





Beaverdam
Stream Problem Areas

Figure 6b

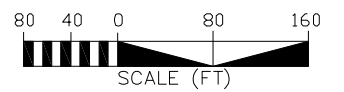


Table 12. Stream Areas Requiring Observation

SPA	Feature	STA	Description
1	Log weir	UT3B 316+00	Improper installation--set too high; deposition and vegetation growth occurring in channel upstream of structure
2	Debris Jam	UT2 203+80	Debris jam caused by fallen tree limbs and other woody vines.
3	Rock A-vane	UT2 211+25	Erosion behind header rock, water flowing around both sides of header rock
4	Rock cross vane	UT2 211+70	Improper installation--header rock set too high; Water flowing around header rock
5	Rock A-vane	UT1A 133+40	Improper installation--header rock set too high; stable but not functioning
6	Rock A-vane	UT1A 134+00	Improper installation--header rock set too high; stable but not functioning
7	Rock A-vane	UT1A 134+60	Improper installation--header rock set too high; stable but not functioning

5.3.3 Hydrology

During the 2008 monitoring season, three crest gauges were monitored to determine if there were any out-of-bank flow events in the Beaverdam stream channel (**Table 13**). Two bankfull events have been documented during the monthly onsite visits: one in April and one in September. Crest Gauge 1 (UT1-A) and 2 (UT2) did not register out-of-bank flows, while Crest Gauge 3 (UT3-A) registered two out-of-bank flows. The largest stream flow documented for Year 1 by the onsite crest gauges was a flow that occurred during September and was 0.6 feet above the bankfull stage.

Table 13. Crest Gauge Data

Month Recorded	CG1	CG2	CG3
January	---	---	---
February	---	---	---
March	0.00	0.00	0.00
April	0.00	0.00	0.03
May	0.00	0.00	0.00
June	0.00	0.00	0.00
July	0.00	0.00	0.00
August	0.00	0.00	0.00
September	0.00	0.00	0.60
October	0.00	0.00	0.45
November	---	---	---
December	---	---	---

5.5 STREAM CONCLUSIONS

In-stream structures installed within the channel include cross vanes, log vanes, rock vanes, log weirs, and step-pools. Visual observations of structures throughout the 2008 growing season indicated that most structures are functioning as designed. One log weir in UT3-B was set too high causing deposition and vegetation growth in the channel upstream of the structure. In UT2 erosion was occurring behind the header rock of one rock A-vane, and the header rock of one rock cross vane was set too high, allowing water to flow around the header rocks of both structures. Header rocks of three rock A-vanes in UT1-A were set too high. Fallen tree limbs and other woody vines have caused a debris jam in UT2. No major areas of bank erosion or stability issues were observed. The banks and structures will be monitored to ensure that they remain stable. **Table 14** and **Table 15** summarize the morphologic parameters; a more detailed morphologic parameters table is provided in **Appendix E**.

Table 14. Summary of Morphologic Monitoring Parameters – As-Built

Parameter	As-Built Reach UT1-A	As-Built Reach UT1-B Upper	As-Built Reach UT1-C	As-Built Reach UT1-D	As-Built Reach UT1-F	As-Built Reach UT2	As-Built Reach UT3-A	As-Built Reach UT3-B Upper
Bankfull Cross Section Area Abkf (sq ft)	9.6	5.8	18.4	6.8	5.4	9.5	181.1	14.9
Avg. Bankfull Width Wbkf (ft)	7.6	9.9	16.4	9.8	9.0	10.5	50.1	24.1
Bankfull W/D	6.1	16.9	14.6	14.0	15.1	11.6	13.9	39.8
Bankfull Mean Depth Dbkf (ft)	1.3	0.6	1.1	0.7	0.6	0.9	3.6	0.6
Bankfull Max Depth Dmax (ft)	1.9	1.1	2.5	1.3	1.2	1.7	6.8	1.4

Table 15. Summary of Morphologic Monitoring Parameters – Year 1

Parameter	Year 1 Reach UT1-A	Year 1 Reach UT1-B Upper	Year 1 Reach UT1-C	Year 1 Reach UT1-D	Year 1 Reach UT1-F	Year 1 Reach UT2	Year 1 Reach UT3-A	Year 1 Reach UT3-B Upper
Bankfull Cross Section Area Abkf (sq ft)	7.5	4.6	16.5	9.0	4.8	9.1	176.5	13.9
Avg. Bankfull Width Wbkf (ft)	7.4	9.0	15.1	11.8	9.2	10.4	47.3	23.6
Bankfull W/D	7.3	17.5	13.7	15.4	17.4	11.9	12.8	40.7
Bankfull Mean Depth Dbkf (ft)	1.0	0.5	1.1	0.8	0.5	0.9	3.8	0.6
Bankfull Max Depth Dmax (ft)	1.7	0.9	2.1	1.5	1.0	1.6	6.9	1.3

6.0 CONCLUSIONS AND RECOMMENDATIONS

- Data collected from the groundwater monitoring gauges on the Beaverdam Mitigation Site in 2008 indicate that only one of the hydrology monitoring stations recorded hydroperiods of at least 10 percent of the growing season, meeting the hydrologic success criterion for 2008. Four of the remaining gauges fell within the hydroperiod range of the reference gauges, and recorded hydroperiods of at least five percent of the growing season. The remaining gauges experienced hydroperiods below five percent of the growing season.

Dunn weather station rainfall data indicates that the 2008 growing season rainfall amounts were normal to above normal for most of the growing season, except for June and October, when rainfall levels were below normal. The on-site rainfall was within or above the normal range during March and April, July, September, and October. In March the site received below normal rainfall.

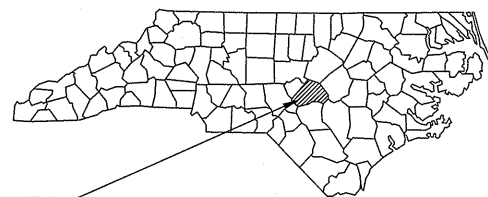
- Vegetation monitoring efforts have calculated the average number of stems per acre on site to be 419 for the 2008 monitoring year, which is a survival rate of greater than 67 percent based on the initial planting count of 623 stems per acre. In general, the live stems were healthy and many exhibited significant new growth. The site has experienced a number of incidents involving cattle entering the planted easement area. While it appears that this issue was resolved during the latter part of the growing season, trampling and grazing of young seedlings resulted in low survival rates in some plots. Additional stem loss may be attributed to various causes including improper planting technique, dry conditions, herbivory, and weak individual stems. Many plots are just above 320 stems per acre—the minimum success criteria of after three years. It is recommended that a number of areas be replanted with two-year-old seedlings to ensure the site meets its target success criteria. The areas around plot 8 and plots 11 through 14 have adequate survival and replanting is not necessary.
- Data collected during monitoring Year 1 and observations of conditions at the site indicate that the project continues to be successful. The stream morphology is generally stable. Several in-stream structures were installed improperly, causing erosion at one structure, and deposition and vegetative growth in the channel at another structure. Several of the improperly installed structures were stable, but not functioning. It was concluded that the site continues to be on track to achieve the stream success criteria specified in the Restoration Plan.
- Vegetation, hydrologic, and stream monitoring will continue through 2012.

APPENDIX A

As-Built Survey

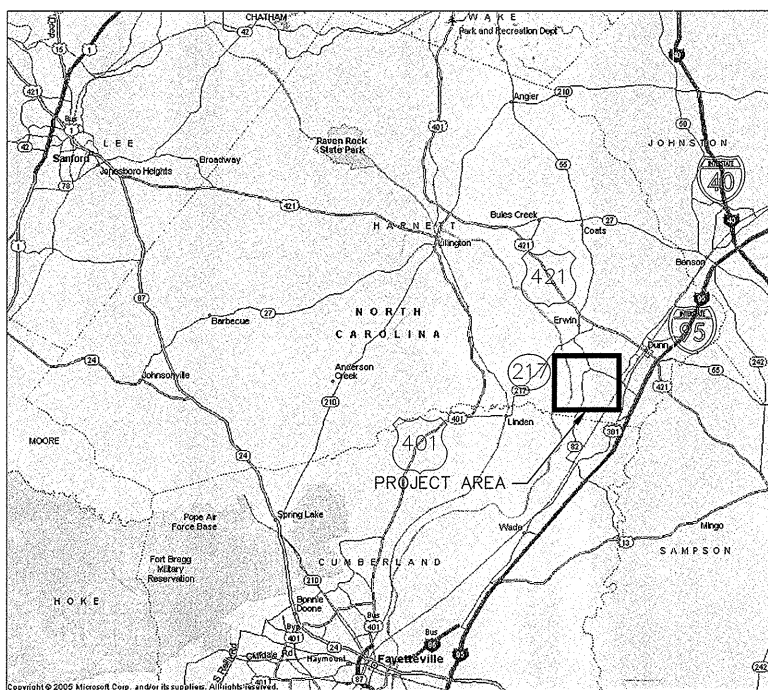
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RECORD SET FOR **BEAVERDAM SWAMP** STREAM AND WETLAND RESTORATION PROJECT EBX NEUSE I, LLC

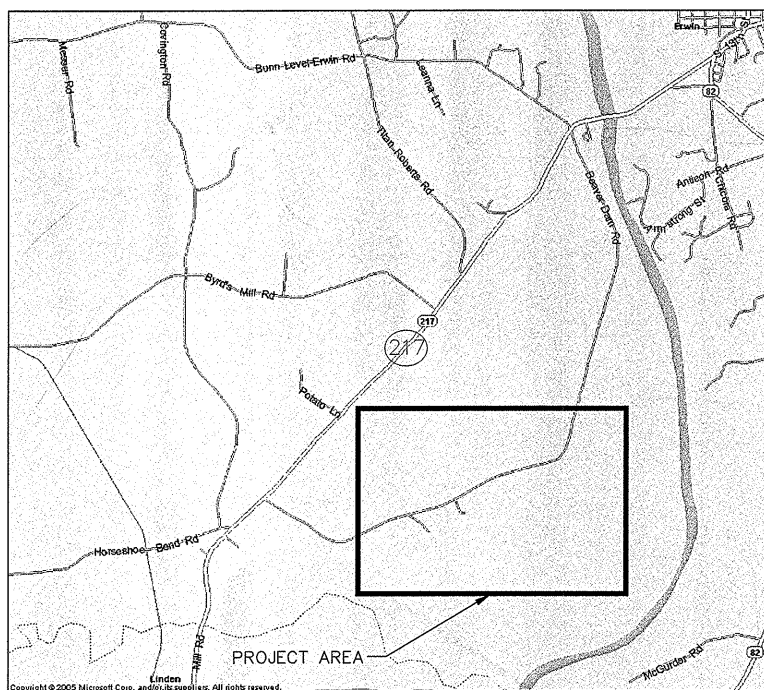


HARNETT COUNTY STATE OF NORTH CAROLINA

HARNETT COUNTY, NORTH CAROLINA
STATE PROJECT NO: D06029-B



VICINITY MAP



LOCATION MAP

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	LEGENDS AND SYMBOLS
4-19	GRADING PLAN AND PROFILE
20-23	TYPICAL CROSS SECTIONS
24-39	PLANTING PLAN

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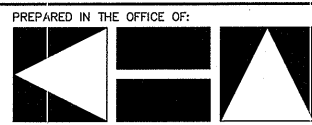
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KINSTON, NC 28501
TEL: 252-522-2500 FAX: 252-522-4747
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NC-EEP CONTACT: GUY PEARCE (919) 715-1656
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ENVIRONMENTAL BANC & EXCHANGE CONTACT: NORTON WEBSTER (919) 829-9909
DISTURBED AREA: 33.4 ACRES

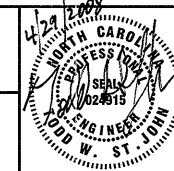
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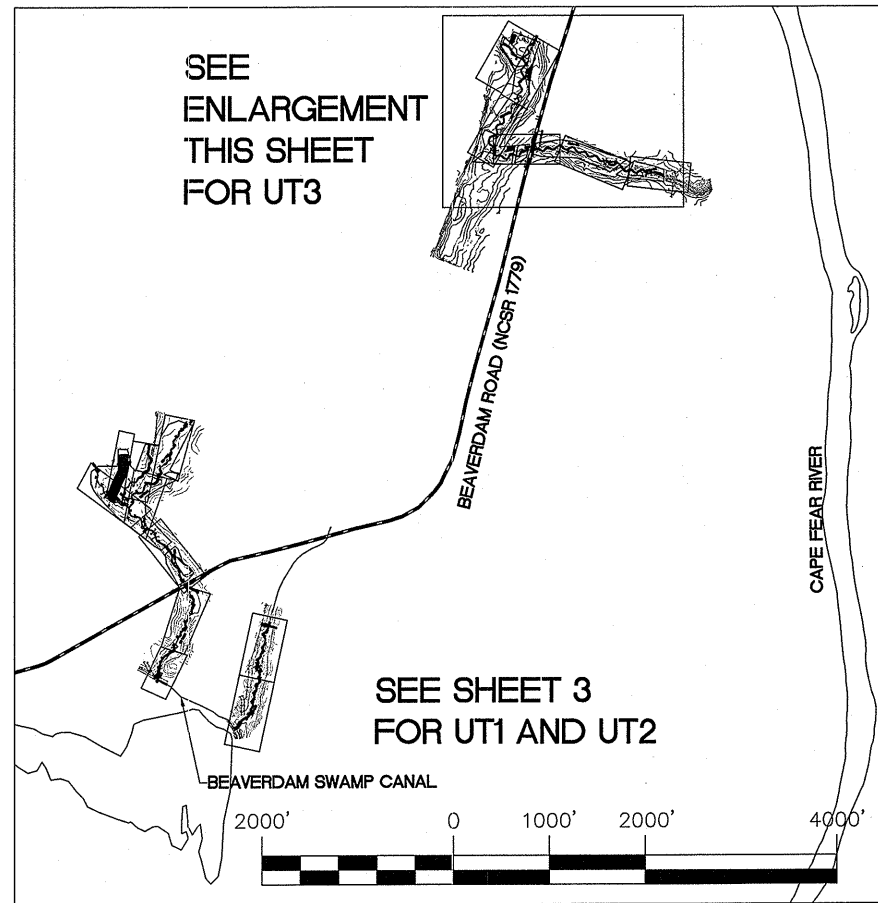
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TITLE: TITLE SHEET



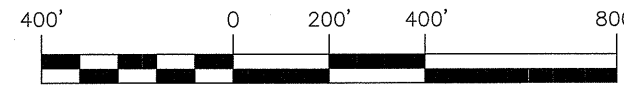
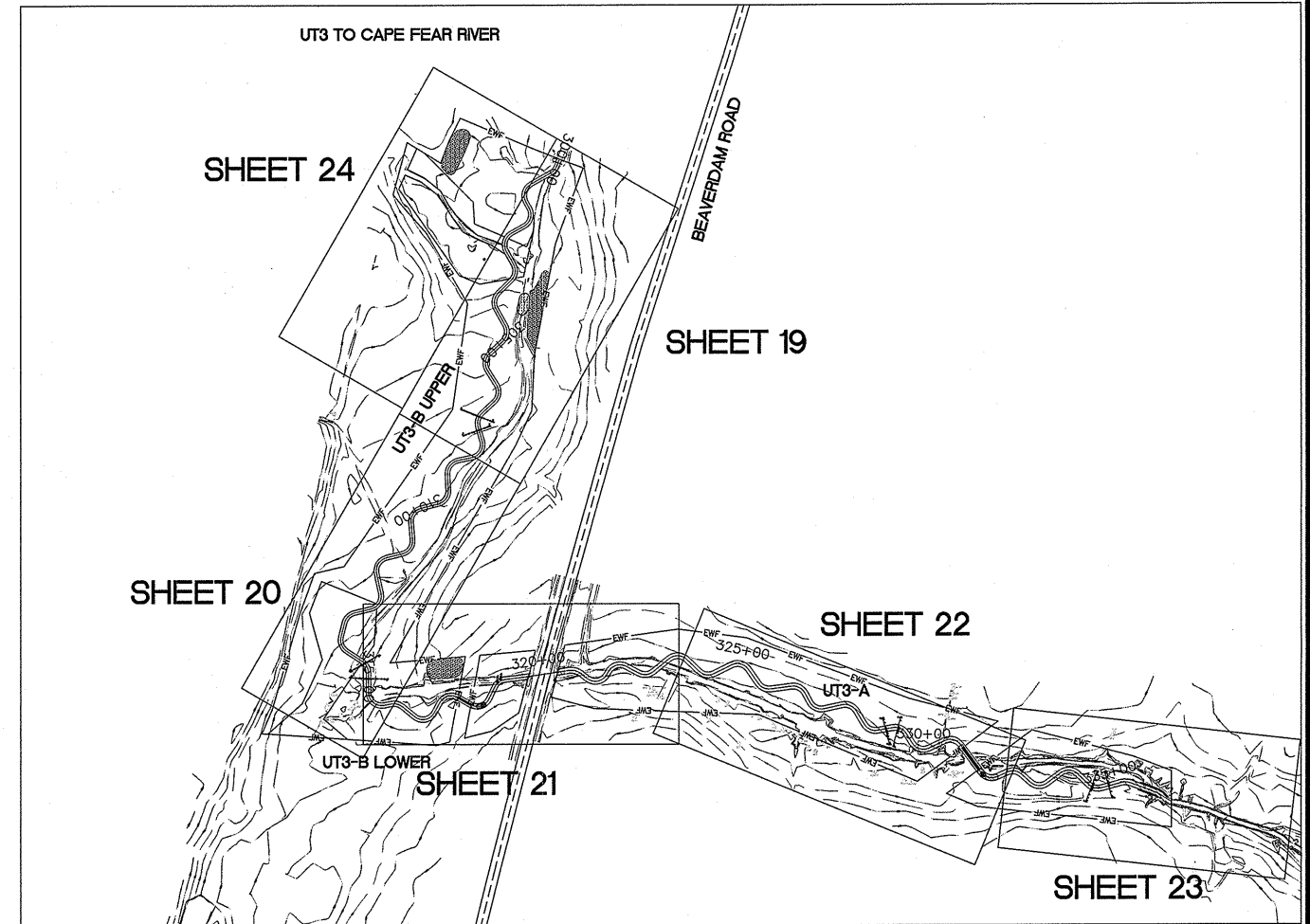
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SITE MAP
N.T.S.

	PROPERTY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	STREAM CENTERLINE
	TREELINE
	EXISTING WETLAND



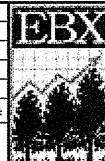
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	PROPOSED CREEK		ROCK A-VANE		LOG VANE
	PERMANENT CONSERVATION EASEMENT		ROCK VANE		LOG CROSS VANE
	STREAM PLUG		STEP POOL		
	CHANNEL BACKFILL				
	WETLAND ENHANCEMENT				
	WETLAND RESTORATION				

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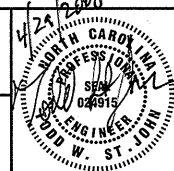
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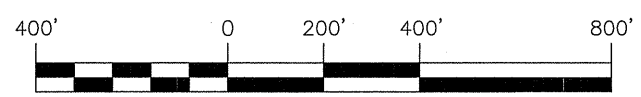
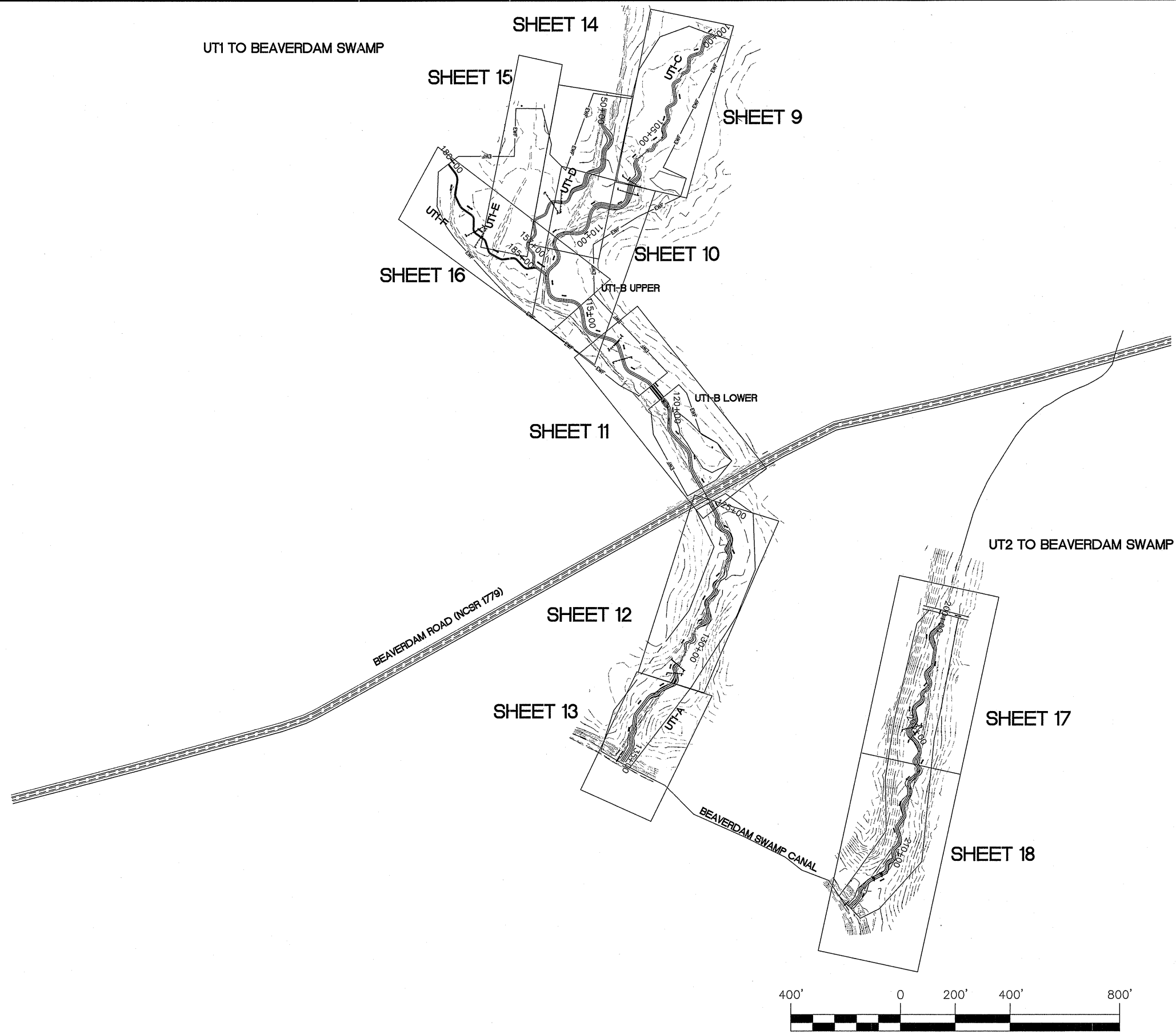
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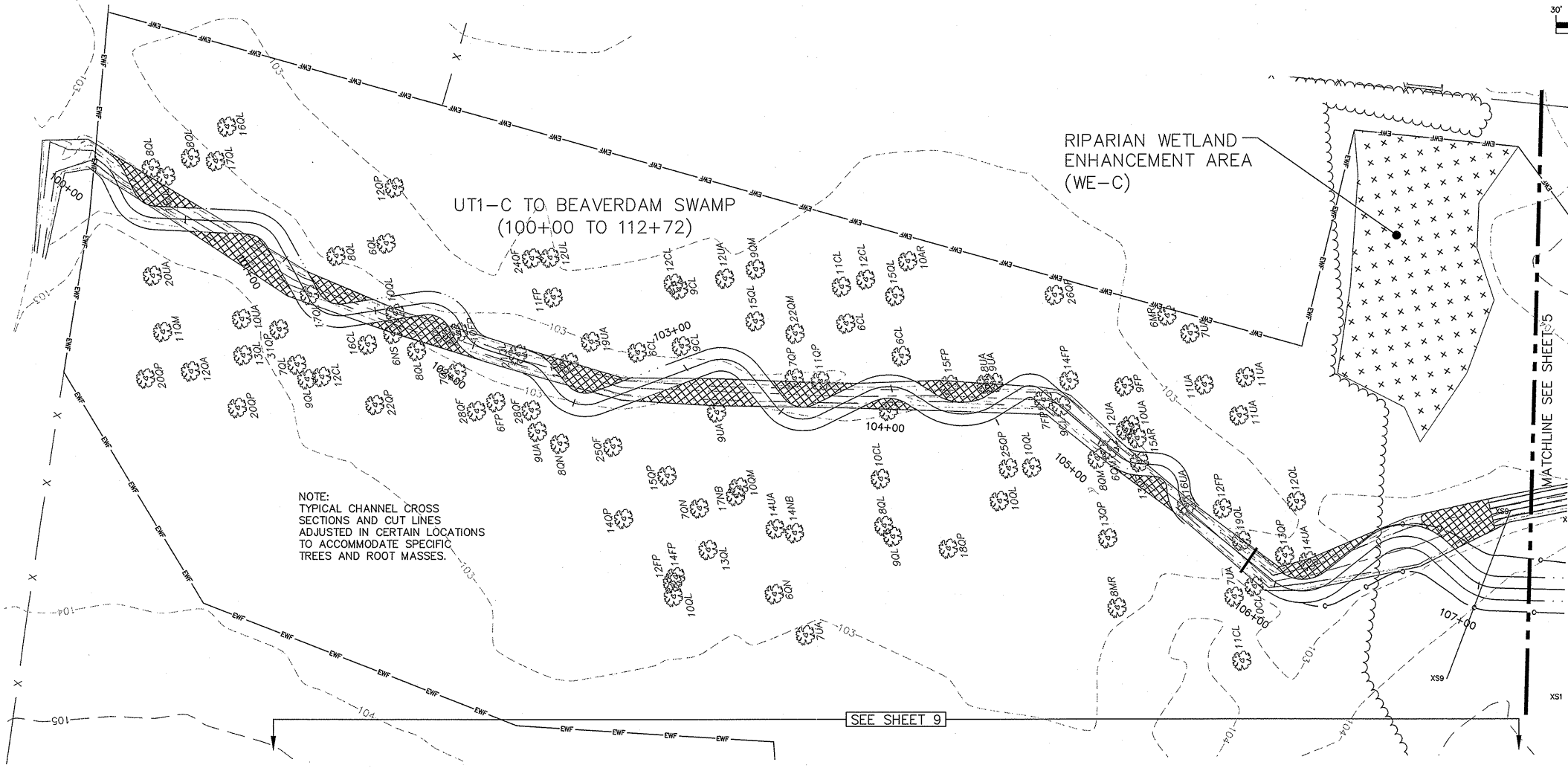
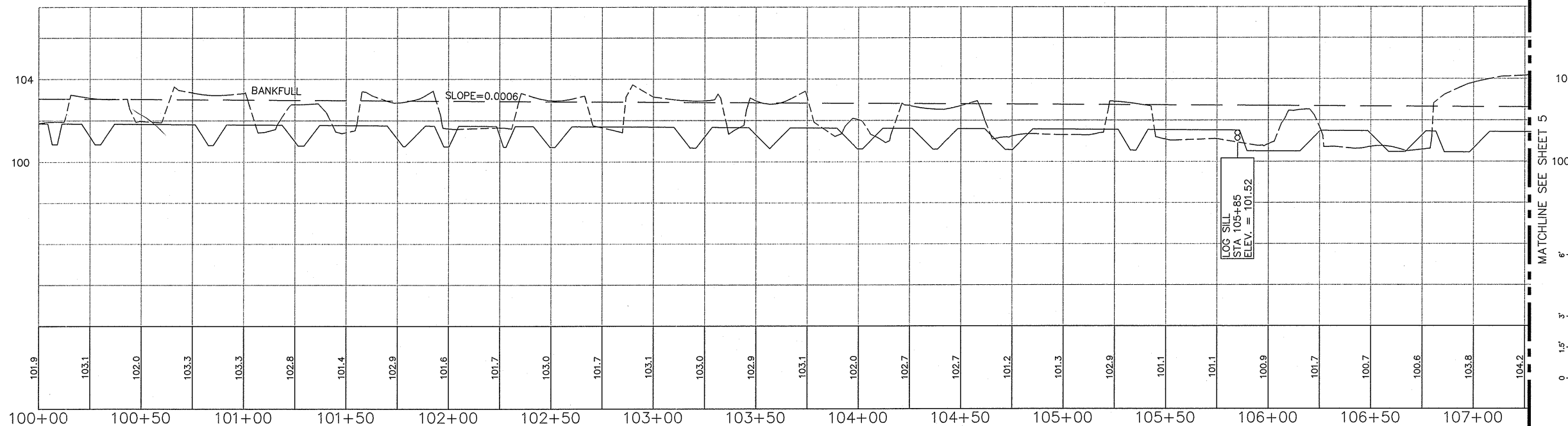


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PROFILE LEGEND

- PROPOSED TOP OF BANK
- Q OF NEW CHANNEL
- EXISTING GROUND-CENTER
- LOG CROSS VANE
- LOG SILL
- ROCK CROSS VANE
- A-VANE

LEGEND

- 10+00 PROPOSED BANK FULL
- Q PROPOSED CREEK
- E PERMANENT CONSERVATION EASEMENT
- EWF PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- C CUT LINE (PROVIDED IN FORESTED AREA ONLY)
- ▨ STREAM PLUG
- ▨ CHANNEL BACKFILL
- ▨ WETLAND ENHANCEMENT
- ROCK CROSS VANE
- ROCK A-VANE
- ROCK VANE
- LOG CROSS VANE
- WETLAND RESTORATION
- STREAM VALLEY RESTORATION
- LOG SILL
- LOG VANE

SURVEY LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- MINOR CONTOURS
- STREAM CENTERLINE
- TREELINE
- EXISTING WETLAND



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ECOSYSTEM ENHANCEMENT PROGRAM**

TITLE: **GRADING PLAN AND
PROFILE**

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DESIGNED BY: RTL
CHECKED BY: TSJ

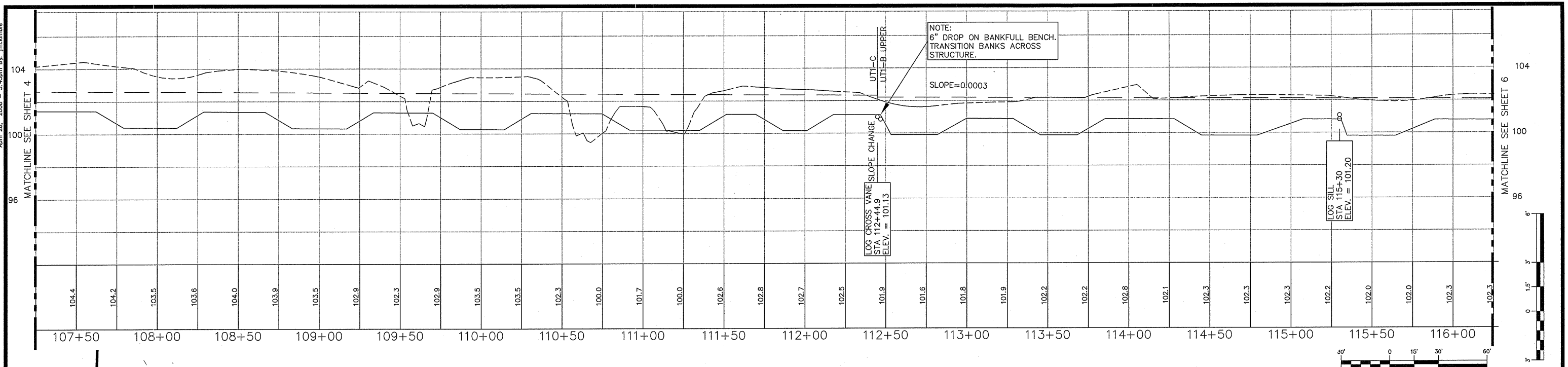
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STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC**

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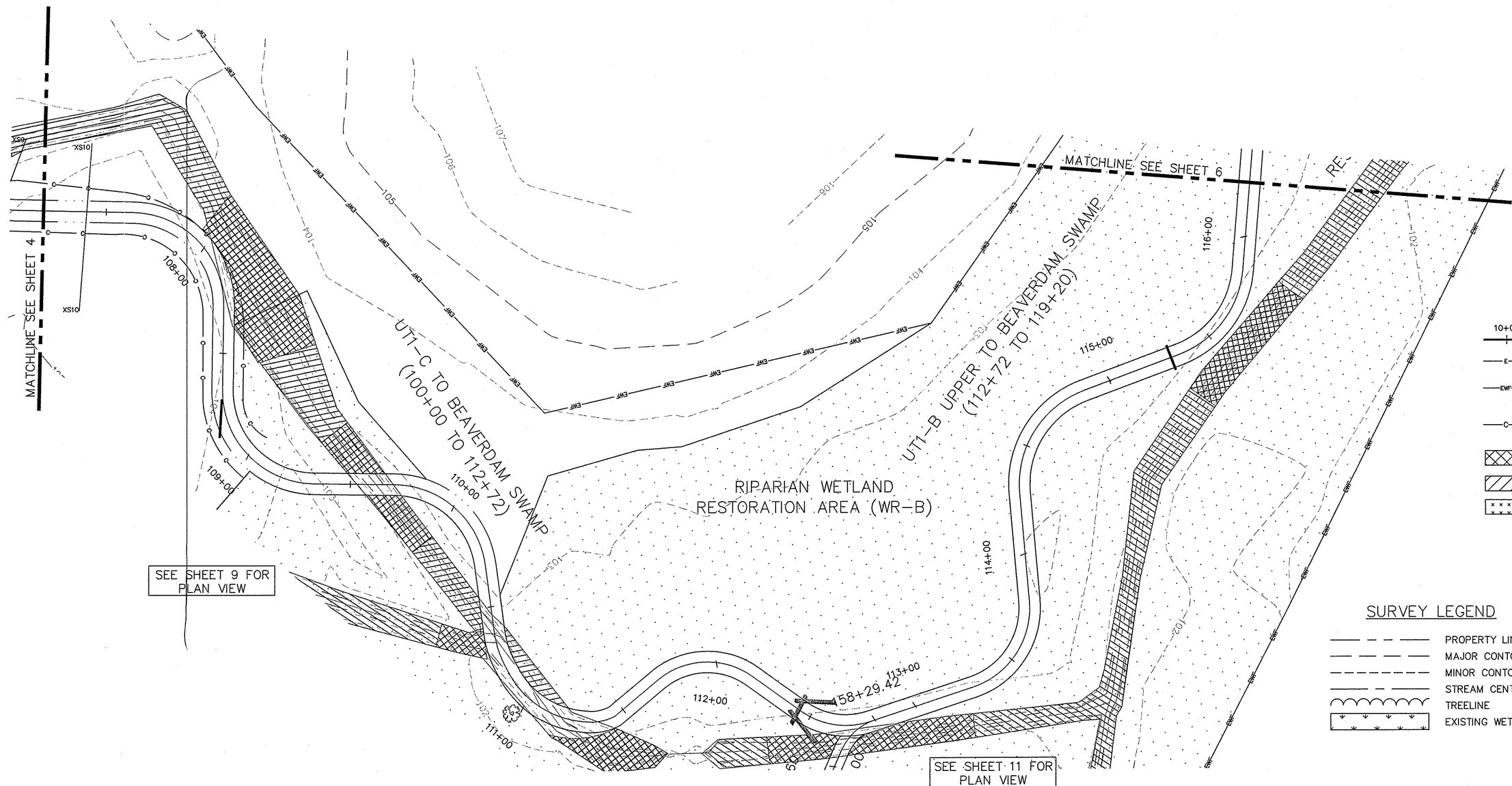
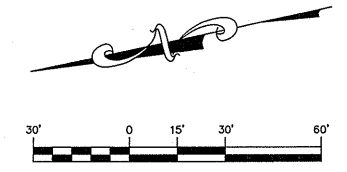
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- LOG CROSS VANE
- LOG SILL
- ROCK CROSS VANE
- A-VANE

LEGEND

- 10+00 PROPOSED BANK FULL
- Q OF PROPOSED CREEK
- PERMANENT CONSERVATION EASEMENT
- PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- CUT LINE (PROVIDED IN FORESTED AREA ONLY)
- ▨ STREAM PLUG
- ▨ CHANNEL BACKFILL
- ▨ WETLAND ENHANCEMENT
- ROCK CROSS VANE
- ROCK A-VANE
- ROCK VANE
- LOG CROSS VANE
- ▨ WETLAND RESTORATION
- ▨ STREAM VALLEY RESTORATION
- LOG SILL
- LOG VANE

SURVEY LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- MINOR CONTOURS
- STREAM CENTERLINE
- TREETLINE
- ▨ EXISTING WETLAND



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 PHONE: (919) 677-2000 FAX: (919) 677-2050

CLIENT: STATE OF NORTH CAROLINA
 ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: GRADING PLAN AND PROFILE



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 CHECKED BY: TSJ

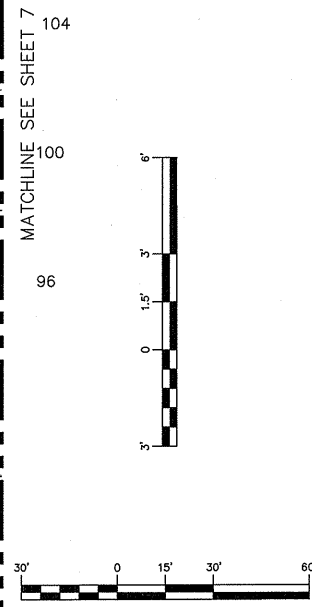
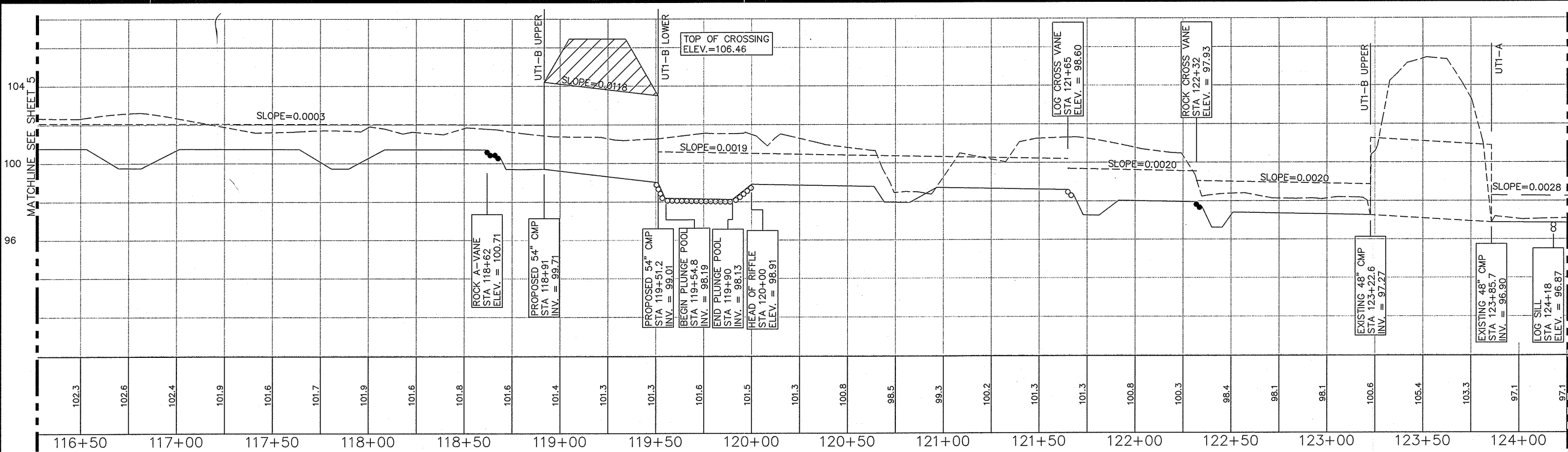
PROJECT: BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 5

April 28, 2008 - 3:43pm By: jrn:ambl

T:\m\01262010 Beaverdam Swamp Restoration\010_LDD\dwg\RECORD SET 04-10-08\05-PLANS.dwg



PROFILE LEGEND

- PROPOSED TOP OF BANK
- - - - - Q OF NEW CHANNEL
- - - - - EXISTING GROUND-CENTER
- ○ ○ ○ ○ LOG CROSS VANE
- ○ ○ ○ ○ LOG SILL
- ● ● ● ● ROCK CROSS VANE
- ▲ ▲ ▲ ▲ ▲ A-VANE

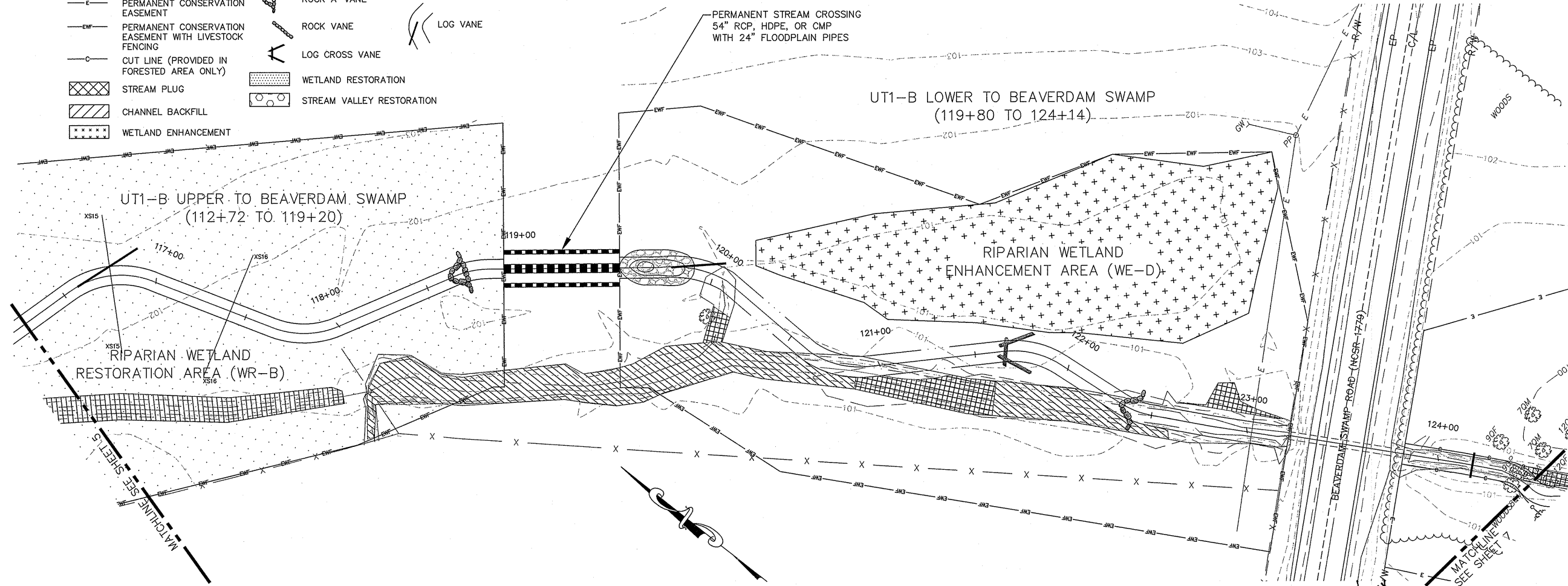
SURVEY LEGEND

- PROPERTY LINE
- - - - - MAJOR CONTOURS
- - - - - MINOR CONTOURS
- - - - - STREAM CENTERLINE
- ~ ~ ~ ~ ~ TRELLINE
- ▨ ▨ ▨ ▨ ▨ EXISTING WETLAND

ALL CONSTRUCTION MUST CONFORM TO THE UNDERGROUND UTILITY PROTECTION ACT

**BEFORE YOU DIG!
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1-800-632-4949**

- 10+00 PROPOSED BANK FULL
- ⊙ PROPOSED CREEK
- - - - - PERMANENT CONSERVATION EASEMENT
- - - - - PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- - - - - CUT LINE (PROVIDED IN FORESTED AREA ONLY)
- ▨ ▨ ▨ ▨ ▨ STREAM PLUG
- ▨ ▨ ▨ ▨ ▨ CHANNEL BACKFILL
- ▨ ▨ ▨ ▨ ▨ WETLAND ENHANCEMENT
- ○ ○ ○ ○ ROCK CROSS VANE
- ▲ ▲ ▲ ▲ ▲ ROCK A-VANE
- ○ ○ ○ ○ ROCK VANE
- ○ ○ ○ ○ LOG CROSS VANE
- ○ ○ ○ ○ LOG SILL
- ○ ○ ○ ○ LOG VANE
- ▨ ▨ ▨ ▨ ▨ WETLAND RESTORATION
- ○ ○ ○ ○ STREAM VALLEY RESTORATION



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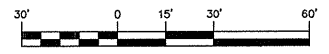
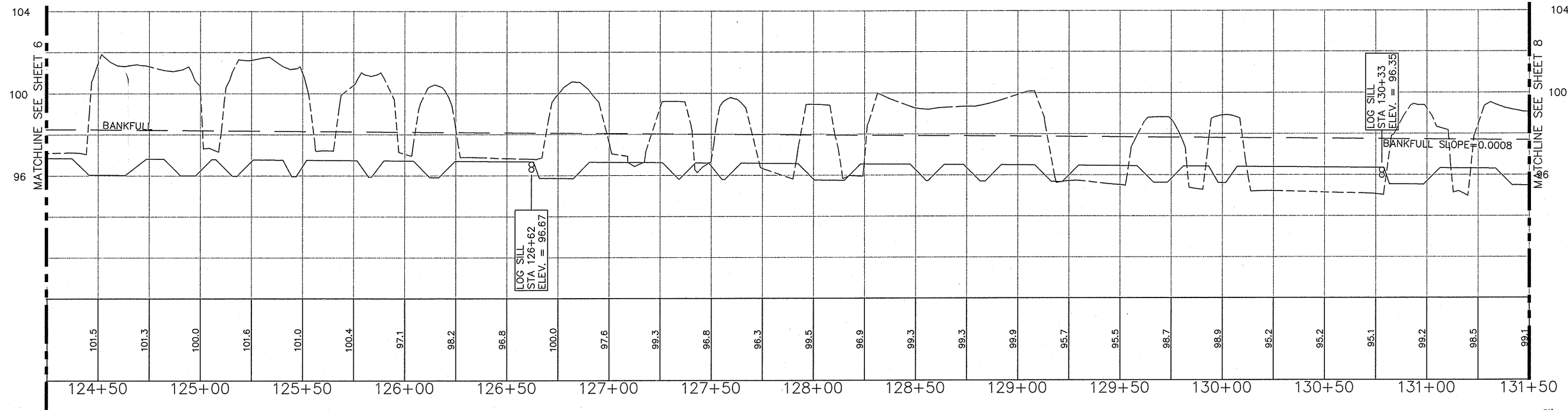
TITLE: GRADING PLAN AND PROFILE

DATE: 02/25/08
DRAWN BY: JIK
DESIGNED BY: RTL
CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 6



PROFILE LEGEND

- PROPOSED TOP OF BANK
- Q OF NEW CHANNEL
- - - EXISTING GROUND-CENTER
- LOG CROSS VANE
- LOG SILL
- ROCK CROSS VANE
- A-VANE

LEGEND

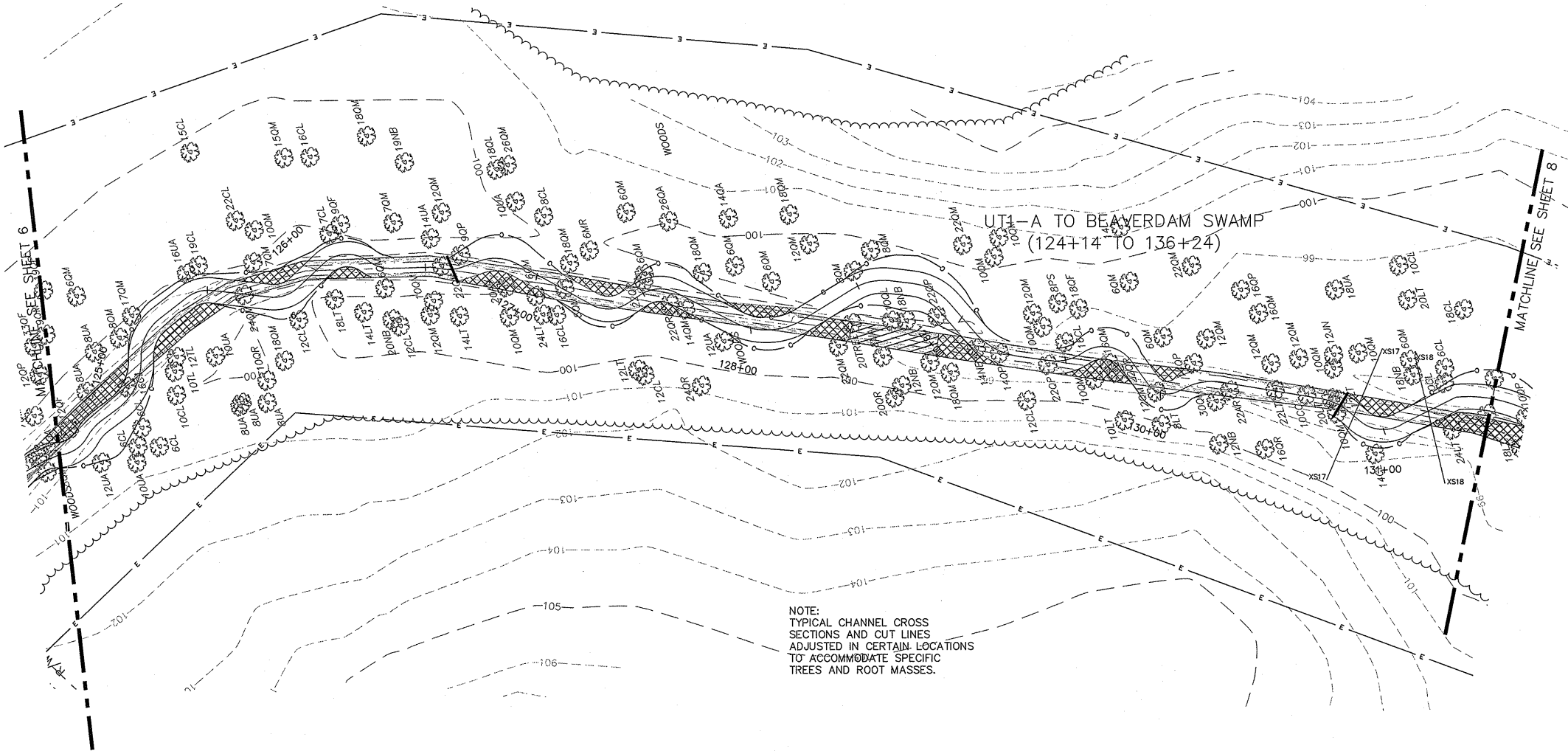
- 10+00 PROPOSED BANK FULL
- Q PROPOSED CREEK
- E PERMANENT CONSERVATION EASEMENT
- EWF PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- C CUT LINE (PROVIDED IN FORESTED AREA ONLY)
- ▨ STREAM PLUG
- ▨ CHANNEL BACKFILL
- ▨ WETLAND ENHANCEMENT
- ⌋ ROCK CROSS VANE
- ⌋ ROCK A-VANE
- ⌋ ROCK VANE
- ⌋ LOG CROSS VANE
- ⌋ LOG SILL
- ⌋ LOG VANE
- ▨ WETLAND RESTORATION
- STREAM VALLEY RESTORATION

SURVEY LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- MINOR CONTOURS
- STREAM CENTERLINE
- TREELINE
- ▨ EXISTING WETLAND

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NOTE:
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EBX NEUSE I, LLC

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JOB NUMBER: 012620010 SHEET NUMBER: 7

PROFILE LEGEND

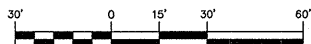
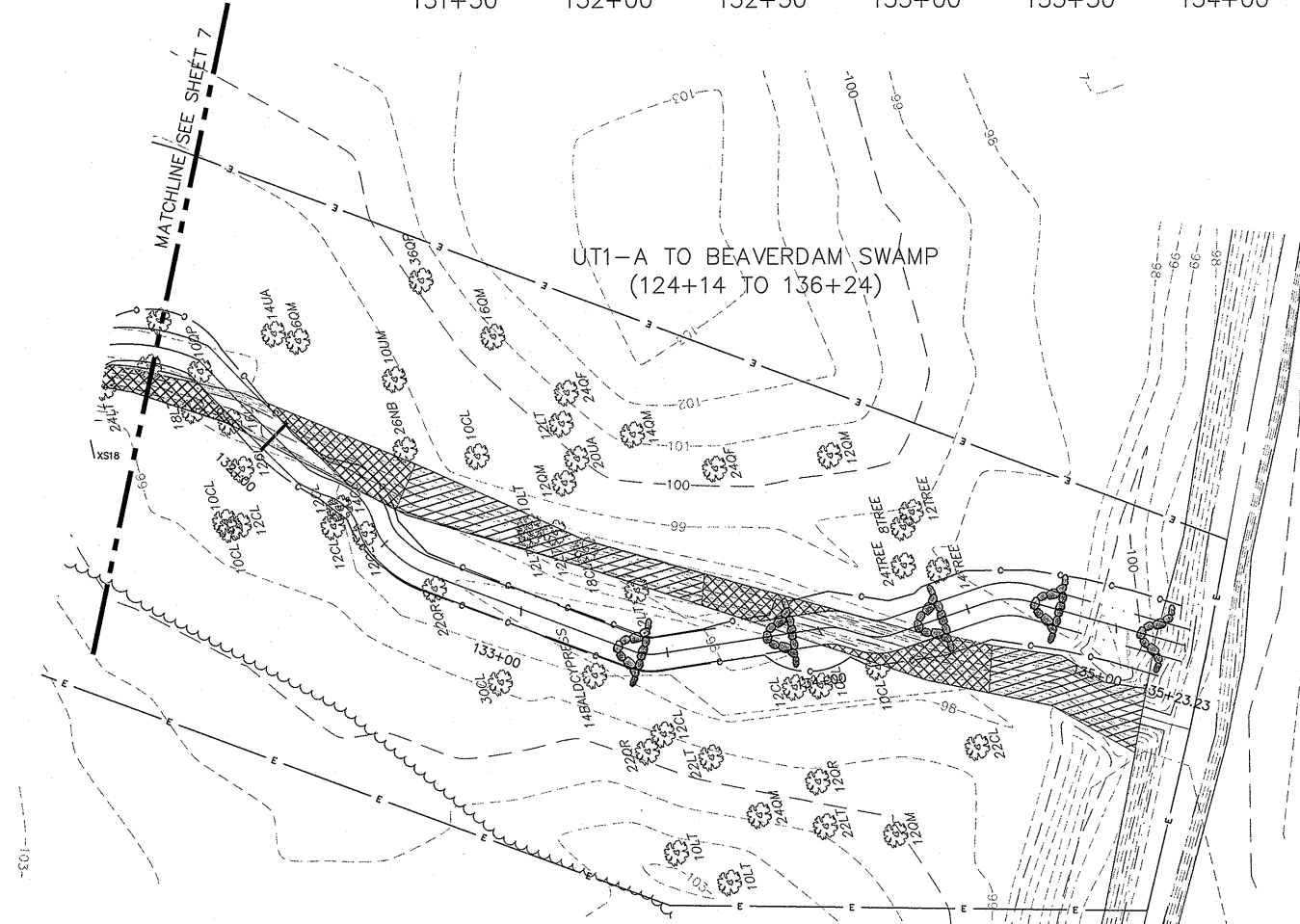
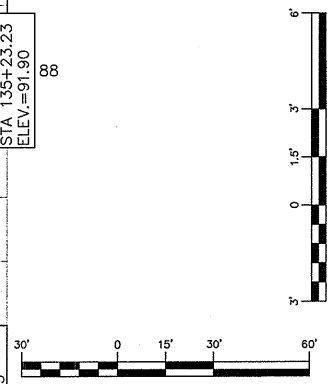
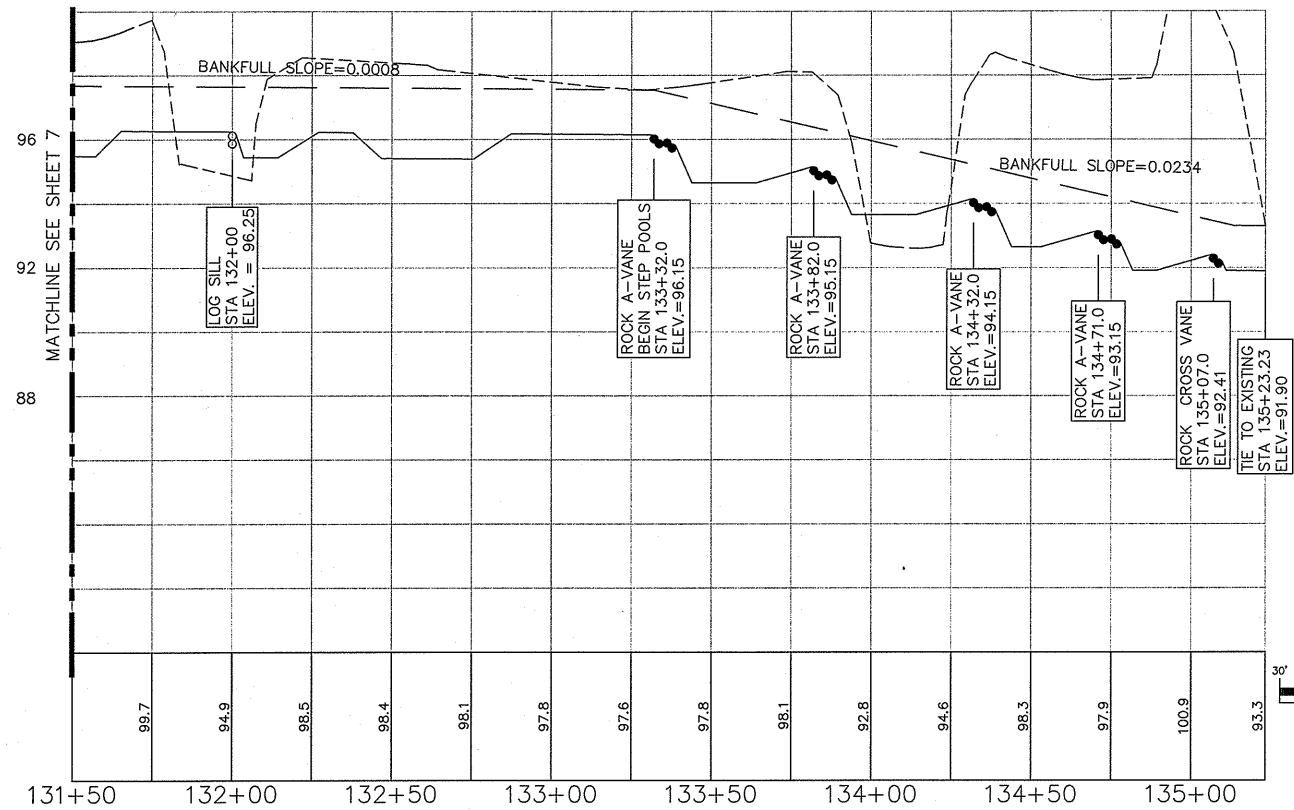
- PROPOSED TOP OF BANK
- C OF NEW CHANNEL
- EXISTING GROUND-CENTER
- LOG CROSS VANE
- LOG SILL
- ROCK CROSS VANE
- A-VANE

LEGEND

- 10+00 --- PROPOSED BANK FULL
- C OF PROPOSED CREEK
- PERMANENT CONSERVATION EASEMENT
- PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- CUT LINE (PROVIDED IN FORESTED AREA ONLY)
- ▨ STREAM PLUG
- ▨ CHANNEL BACKFILL
- ▨ WETLAND ENHANCEMENT
- ROCK CROSS VANE
- ROCK A-VANE
- ROCK VANE
- LOG CROSS VANE
- WETLAND RESTORATION
- STREAM VALLEY RESTORATION
- LOG SILL
- LOG VANE

SURVEY LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- MINOR CONTOURS
- STREAM CENTERLINE
- TREELINE
- EXISTING WETLAND



NOTE:
TYPICAL CHANNEL CROSS SECTIONS AND CUT LINES ADJUSTED IN CERTAIN LOCATIONS TO ACCOMMODATE SPECIFIC TREES AND ROOT MASSES.



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TITLE: GRADING PLAN AND PROFILE

DATE: 02/25/08
DRAWN BY: JJK
DESIGNED BY: RTL
CHECKED BY: TSJ

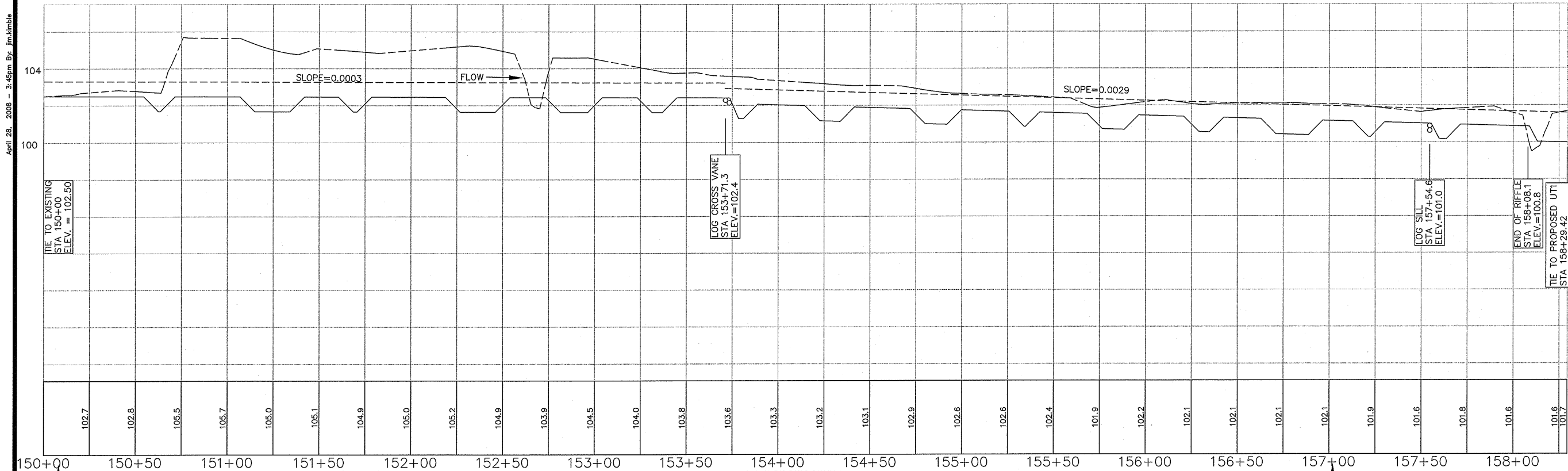
PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

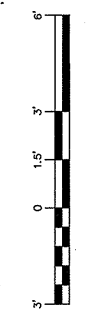
JOB NUMBER: 012620010 SHEET NUMBER: 8

April 28, 2008 - 3:45pm By: Jm.kimble

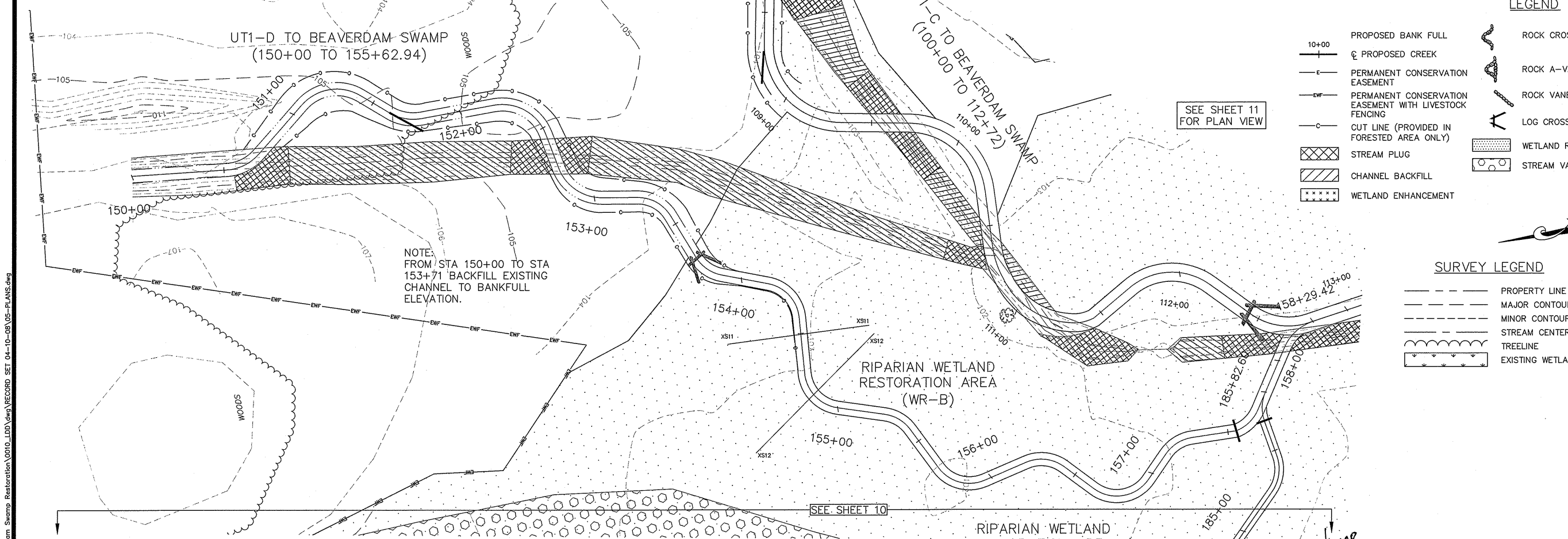
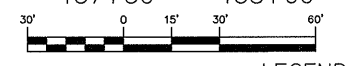
TIE TO EXISTING
STA 150+00
ELEV. = 102.50



- PROFILE LEGEND**
- PROPOSED TOP OF BANK
 - @ OF NEW CHANNEL
 - - - EXISTING GROUND-CENTER
 - LOG CROSS VANE
 - LOG SILL
 - ROCK CROSS VANE
 - A-VANE



102.7 102.8 105.5 105.7 105.0 105.1 104.9 105.0 105.2 104.9 103.9 104.5 104.0 103.8 103.6 103.3 103.2 103.1 102.9 102.6 102.6 102.4 101.9 102.2 102.1 102.1 102.1 101.9 101.6 101.8 101.6 101.6 101.7



NOTE:
FROM STA 150+00 TO STA
153+71 BACKFILL EXISTING
CHANNEL TO BANKFULL
ELEVATION.

SEE SHEET 11
FOR PLAN VIEW

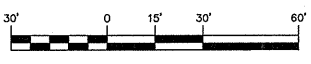
SEE SHEET 10

- LEGEND**
- 10+00 PROPOSED BANK FULL
 - @ PROPOSED CREEK
 - PERMANENT CONSERVATION EASEMENT
 - EWF PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
 - C CUT LINE (PROVIDED IN FORESTED AREA ONLY)
 - ▨ STREAM PLUG
 - ▨ CHANNEL BACKFILL
 - ▨ WETLAND ENHANCEMENT
 - ROCK CROSS VANE
 - ROCK A-VANE
 - ROCK VANE
 - LOG CROSS VANE
 - ▨ WETLAND RESTORATION
 - STREAM VALLEY RESTORATION
 - ▨ LOG SILL
 - ▨ LOG VANE

- SURVEY LEGEND**
- PROPERTY LINE
 - MAJOR CONTOURS
 - MINOR CONTOURS
 - STREAM CENTERLINE
 - TREELINE
 - EXISTING WETLAND



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CLIENT: **STATE OF NORTH CAROLINA ECOSYSTEM ENHANCEMENT PROGRAM**

TITLE: **GRADING PLAN AND PROFILE**

DATE: 02/25/08
DRAWN BY: JIK
DESIGNED BY: RTL
CHECKED BY: TSJ

PROJECT: **BEAVERDAM SWAMP STREAM AND WETLAND RESTORATION EBX NEUSE I, LLC**

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JOB NUMBER: 012620010 SHEET NUMBER: 9

LEGEND

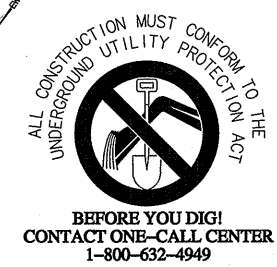
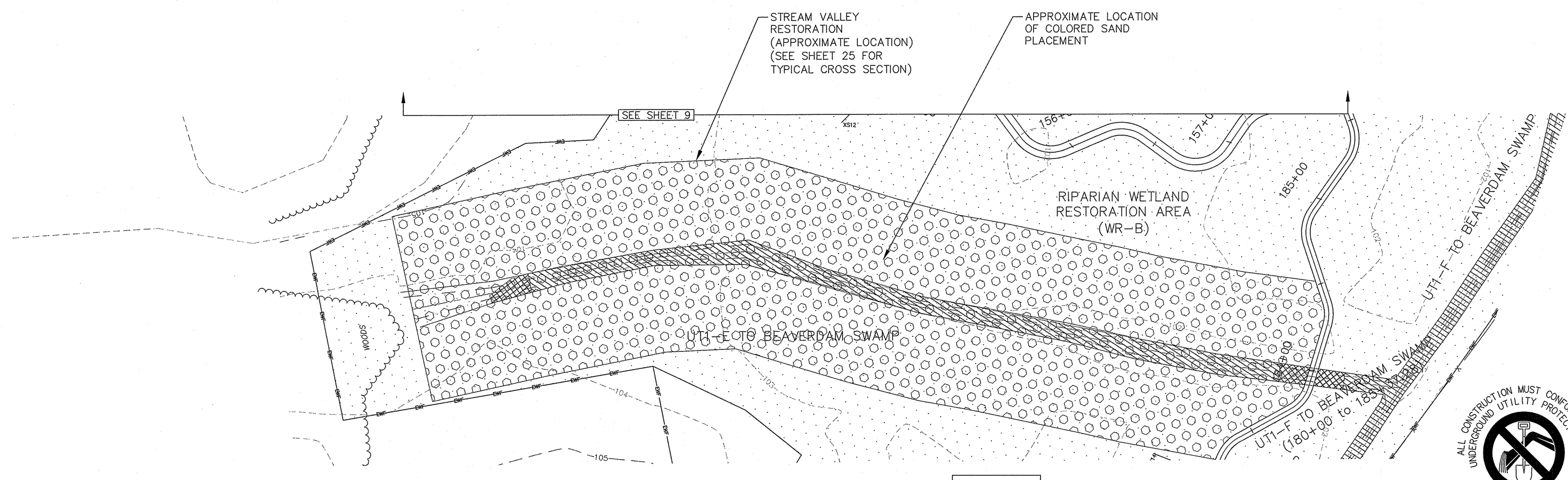
- 10+00 PROPOSED BANK FULL
- ⊕ PROPOSED CREEK
- PERMANENT CONSERVATION EASEMENT
- PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- CUT LINE (PROVIDED IN FORESTED AREA ONLY)
- ▨ STREAM PLUG
- ▧ CHANNEL BACKFILL
- ▩ WETLAND ENHANCEMENT
- ⋈ ROCK CROSS VANE
- ⋈ ROCK A-VANE
- ⋈ ROCK VANE
- ⋈ LOG CROSS VANE
- ▨ WETLAND RESTORATION
- ▨ STREAM VALLEY RESTORATION

SURVEY LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- MINOR CONTOURS
- STREAM CENTERLINE
- TREELINE
- ▨ EXISTING WETLAND
- ⋈ LOG SILL
- ⋈ LOG VANE

PROFILE LEGEND

- PROPOSED TOP OF BANK
- ⊕ OF NEW CHANNEL
- EXISTING GROUND-CENTER
- ⋈ LOG CROSS VANE
- ⋈ LOG SILL
- ⋈ ROCK CROSS VANE
- ⋈ A-VANE



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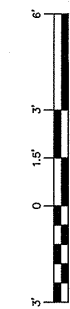
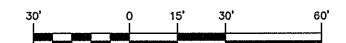
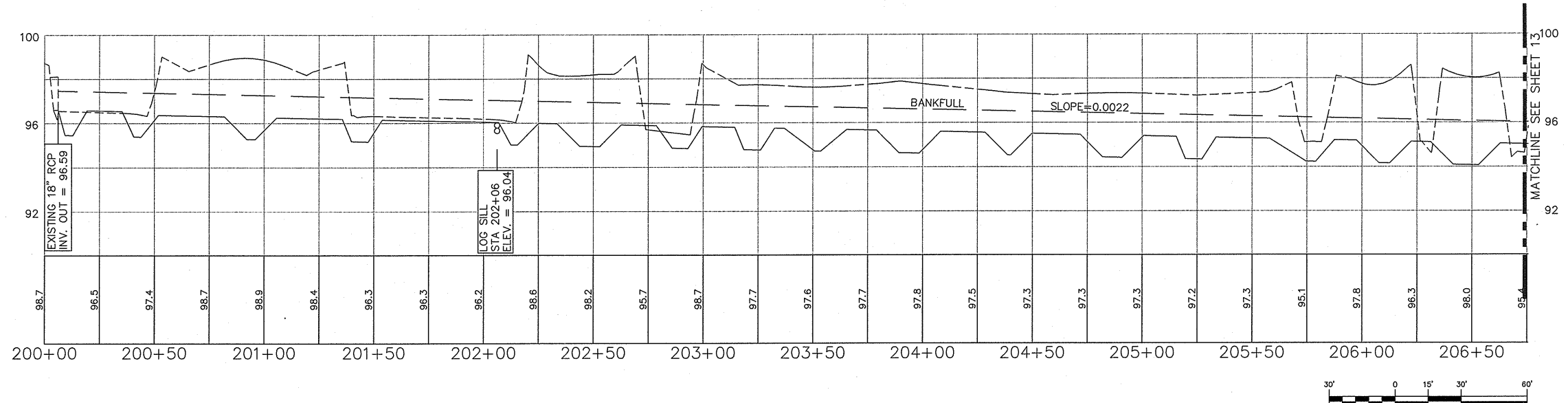


DATE: 02/25/08
 DRAWN BY: JIK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 10



PROFILE LEGEND

- PROPOSED TOP OF BANK
- @ OF NEW CHANNEL
- EXISTING GROUND-CENTER
- LOG CROSS VANE
- LOG SILL
- ROCK CROSS VANE
- A-VANE

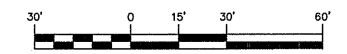
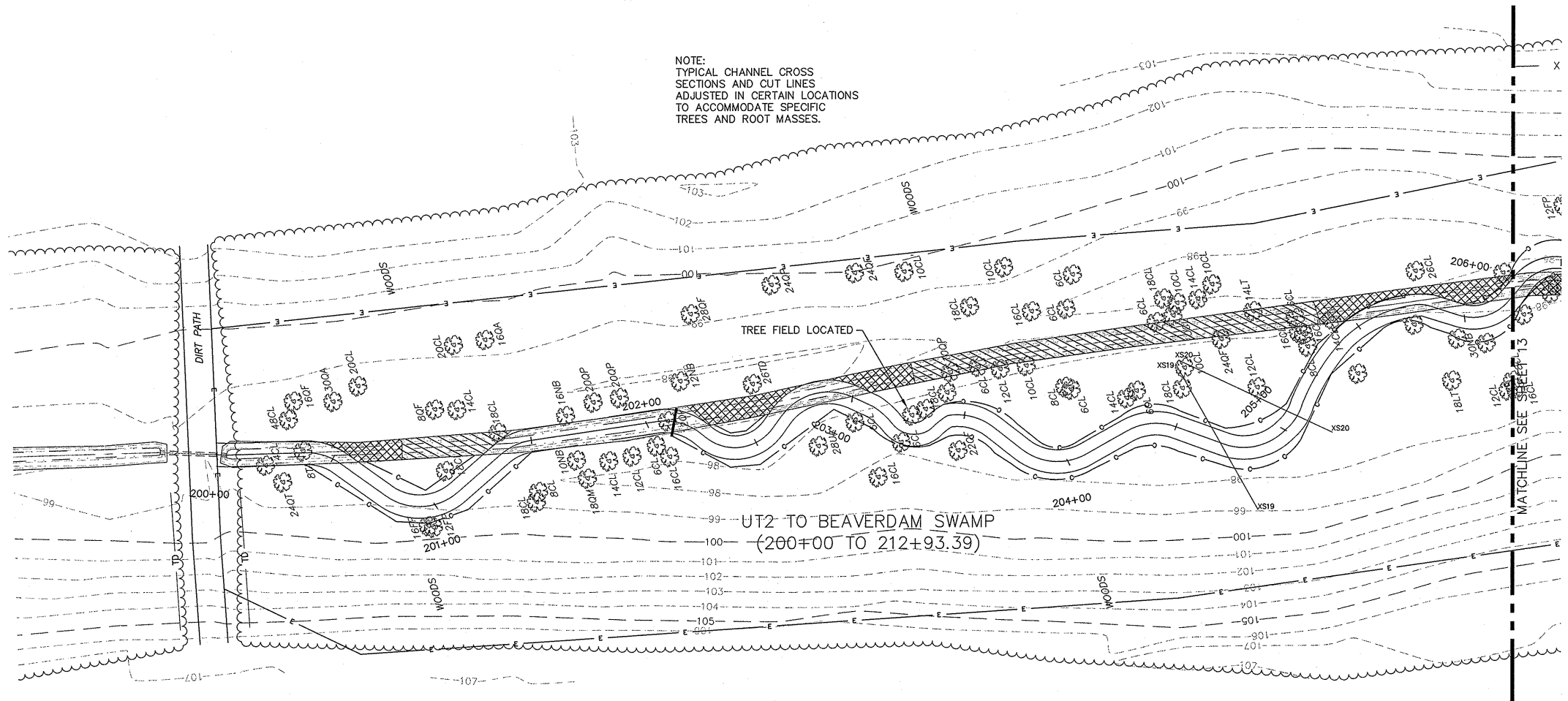
LEGEND

- 10+00 PROPOSED BANK FULL
- ⊕ PROPOSED CREEK
- PERMANENT CONSERVATION EASEMENT
- PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- CUT LINE (PROVIDED IN FORESTED AREA ONLY)
- ▨ STREAM PLUG
- ▨ CHANNEL BACKFILL
- ▨ WETLAND ENHANCEMENT
- ROCK CROSS VANE
- ROCK A-VANE
- ROCK VANE
- LOG CROSS VANE
- LOG SILL
- LOG VANE
- ▨ WETLAND RESTORATION
- STREAM VALLEY RESTORATION

SURVEY LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- MINOR CONTOURS
- STREAM CENTERLINE
- TREELINE
- EXISTING WETLAND

NOTE:
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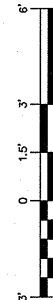
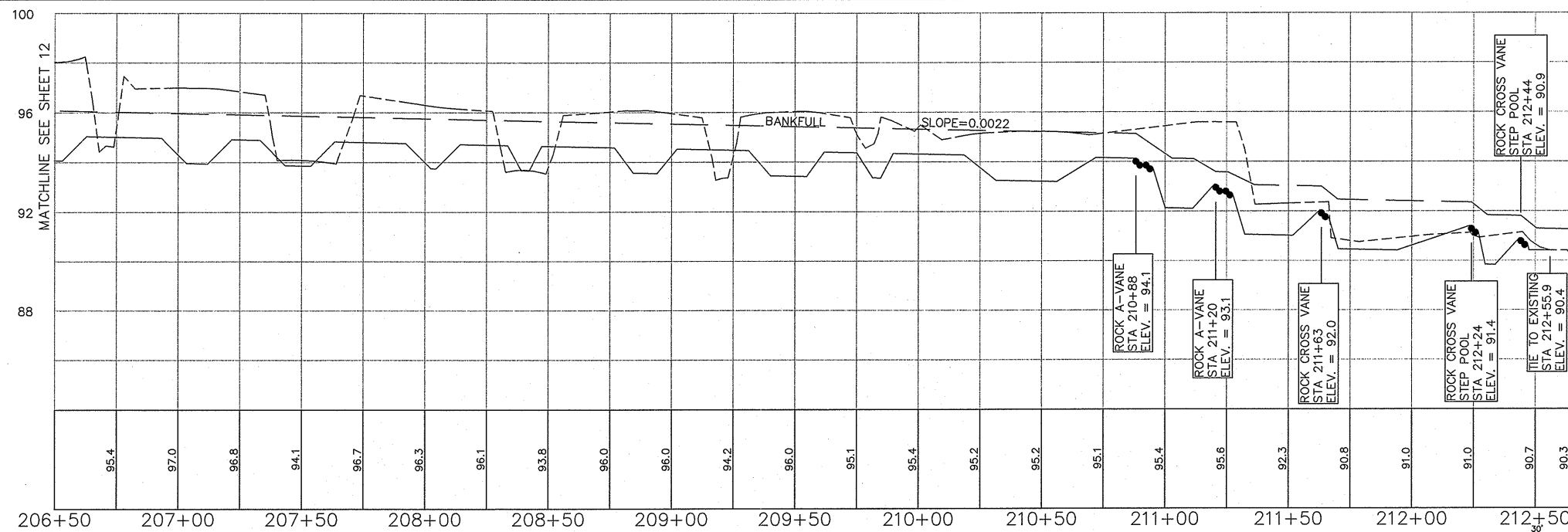


DATE: 02/25/08
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DESIGNED BY: RTL
CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 12



PROFILE LEGEND

- PROPOSED TOP OF BANK
- C OF NEW CHANNEL
- - - EXISTING GROUND-CENTER
- LOG CROSS VANE
- LOG SILL
- ROCK CROSS VANE
- ▲ A-VANE

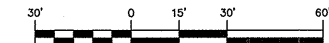
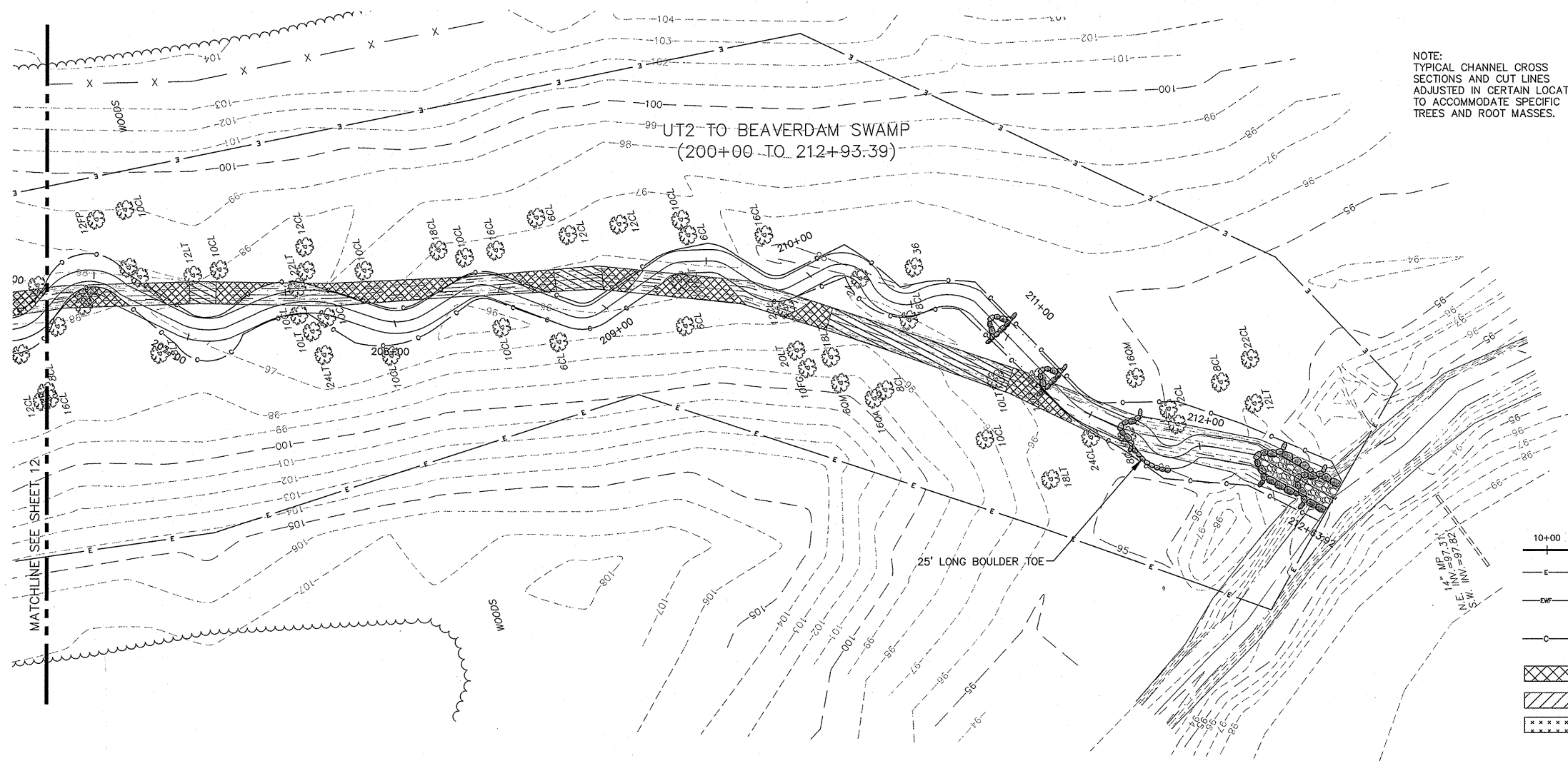
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SURVEY LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- - - MINOR CONTOURS
- STREAM CENTERLINE
- TREELINE
- EXISTING WETLAND

LEGEND

- 10+00 — PROPOSED BANK FULL
- C OF PROPOSED CREEK
- PERMANENT CONSERVATION EASEMENT
- PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- CUT LINE (PROVIDED IN FORESTED AREA ONLY)
- ▨ STREAM PLUG
- ▨ CHANNEL BACKFILL
- ▨ WETLAND ENHANCEMENT
- ROCK CROSS VANE
- ▲ ROCK A-VANE
- ROCK VANE
- ▲ LOG CROSS VANE
- ▨ WETLAND RESTORATION
- STREAM VALLEY RESTORATION
- LOG SILL
- LOG VANE



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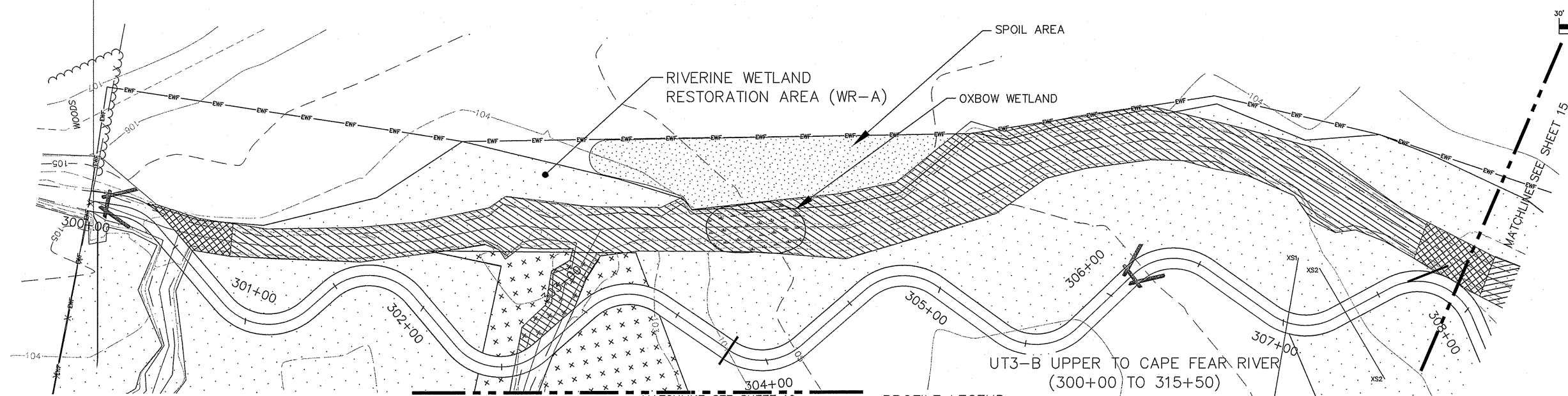
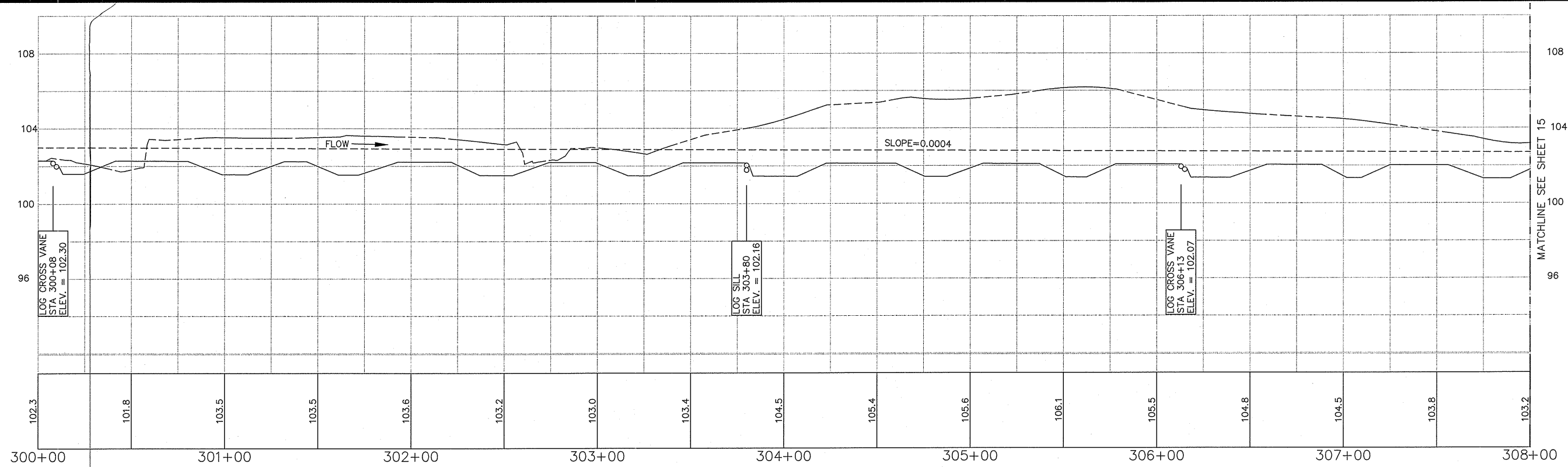
TITLE: **GRADING PLAN AND PROFILE**

DATE: 02/25/08
DRAWN BY: JIK
DESIGNED BY: RTL
CHECKED BY: TSJ

PROJECT: **BEAVERDAM SWAMP STREAM AND WETLAND RESTORATION**
EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 13



- LEGEND**
- 10+00
 - PROPOSED BANK FULL
 - PROPOSED CREEK
 - PERMANENT CONSERVATION EASEMENT
 - PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
 - CUT LINE (PROVIDED IN FORESTED AREA ONLY)
 - STREAM PLUG
 - CHANNEL BACKFILL
 - WETLAND ENHANCEMENT
 - ROCK CROSS VANE
 - ROCK A-VANE
 - ROCK VANE
 - LOG CROSS VANE
 - WETLAND RESTORATION
 - STREAM VALLEY RESTORATION
 - SPOIL AREA

- SURVEY LEGEND**
- PROPERTY LINE
 - MAJOR CONTOURS
 - MINOR CONTOURS
 - STREAM CENTERLINE
 - TREELINE
 - EXISTING WETLAND

- PROFILE LEGEND**
- PROPOSED TOP OF BANK
 - Q OF NEW CHANNEL
 - EXISTING GROUND-CENTER
 - LOG CROSS VANE
 - LOG SILL
 - ROCK CROSS VANE
 - A-VANE



REV. NO.	REVISION	DATE	DRAWN BY	CHECKED BY
1	REVISED PER EROSION CONTROL REVIEW	08/23/07	JIK	TWS

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 P.O. BOX 33068 - RALEIGH, NORTH CAROLINA 27636-3068
 PHONE: (919) 677-2000 FAX: (919) 677-2050

CLIENT: STATE OF NORTH CAROLINA
 ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: GRADING PLAN AND PROFILE

DATE: 02/25/08
 DRAWN BY: JIK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

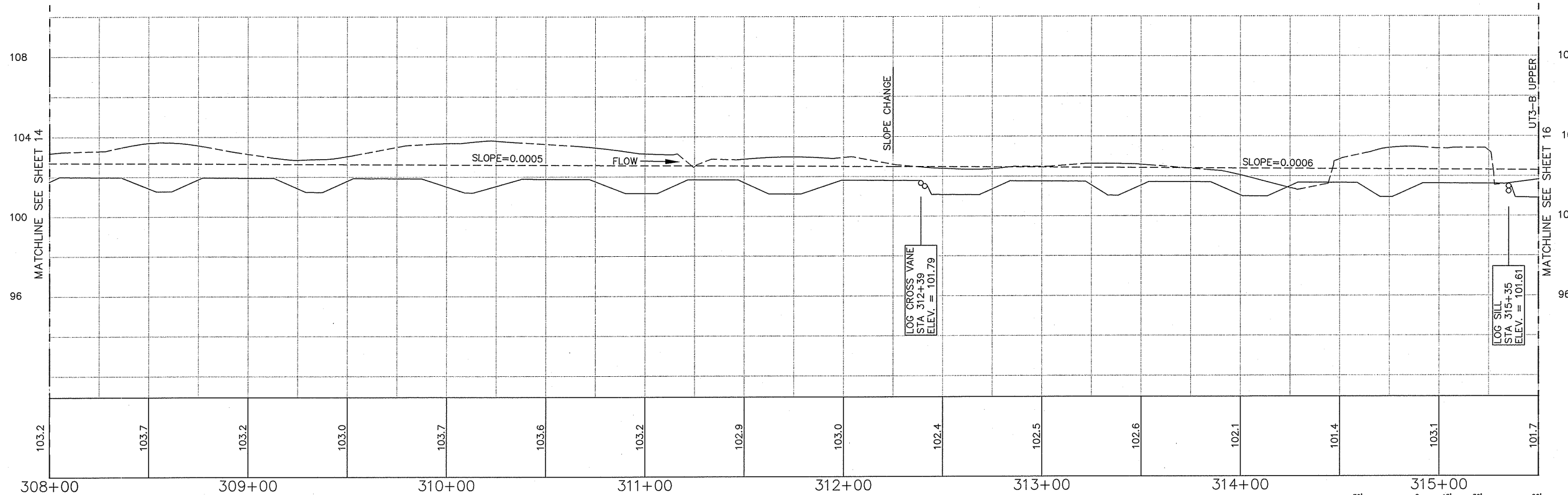
PROJECT: BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 14

April 28, 2008 - 3:48pm By: jmkimble

T:\env\012620010 Beaverdam Swamp Restoration\010_LDD\env\RECORD_SET\04-10-08\05-PLANS.dwg



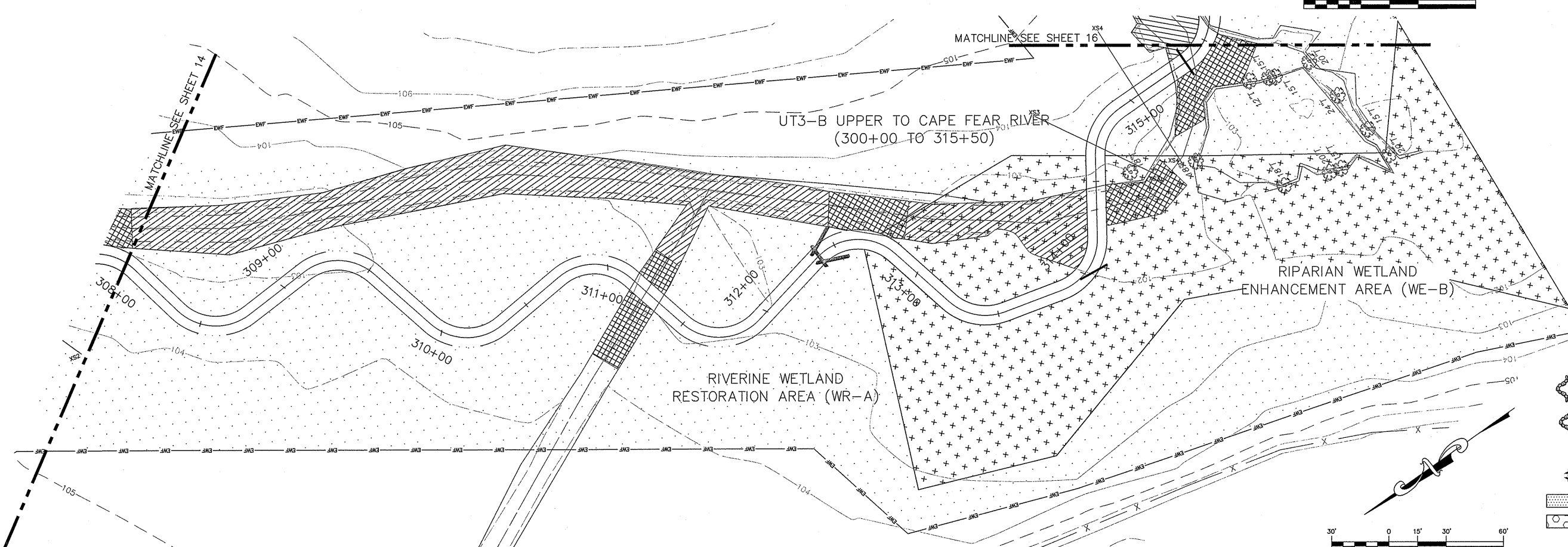
- PROFILE LEGEND**
- PROPOSED TOP OF BANK
 - OF NEW CHANNEL
 - - - EXISTING GROUND-CENTER
 - LOG CROSS VANE
 - LOG SILL
 - ROCK CROSS VANE
 - A-VANE

- SURVEY LEGEND**
- PROPERTY LINE
 - MAJOR CONTOURS
 - MINOR CONTOURS
 - STREAM CENTERLINE
 - TREELINE
 - EXISTING WETLAND



- LEGEND**
- 10+00 PROPOSED BANK FULL
 - PROPOSED CREEK
 - PERMANENT CONSERVATION EASEMENT
 - PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
 - CUT LINE (PROVIDED IN FORESTED AREA ONLY)
 - ▨ STREAM PLUG
 - ▨ CHANNEL BACKFILL
 - ▨ WETLAND ENHANCEMENT

- ROCK CROSS VANE
- LOG SILL
- ROCK A-VANE
- LOG VANE
- ROCK VANE
- LOG CROSS VANE
- ▨ WETLAND RESTORATION
- STREAM VALLEY RESTORATION



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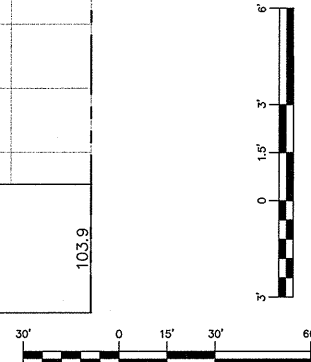
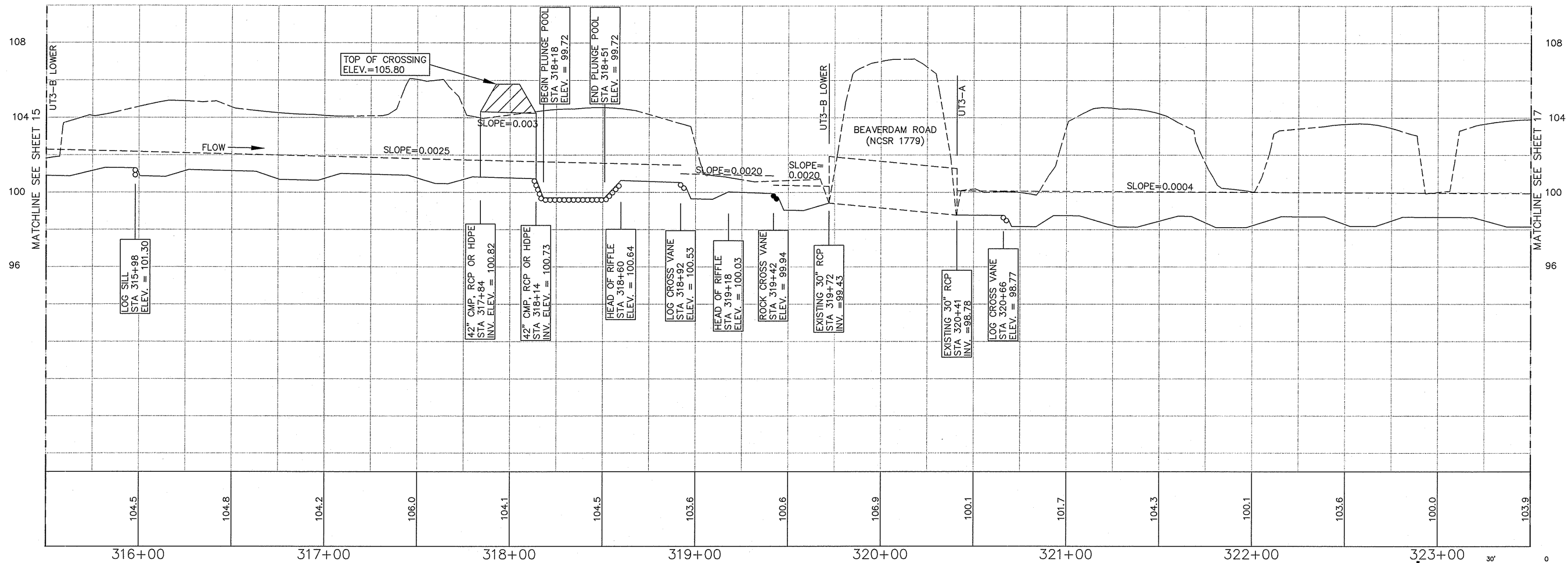
TITLE: GRADING PLAN AND PROFILE

DATE: 02/25/08
 DRAWN BY: JJK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC

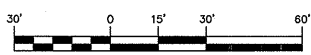
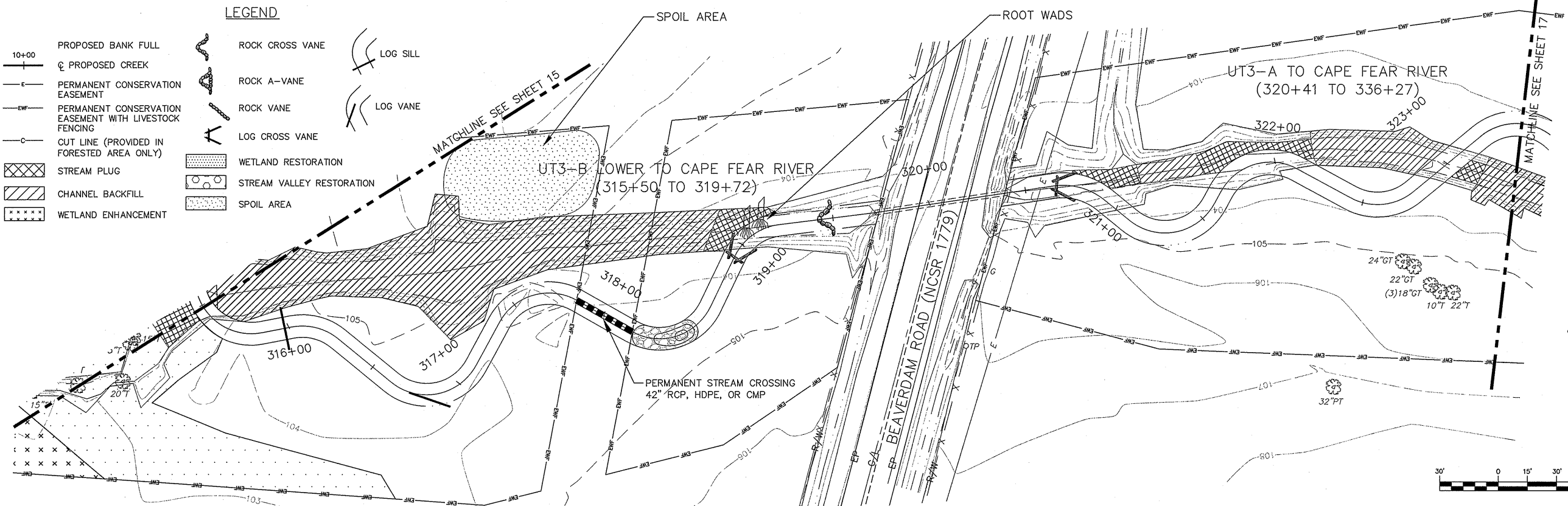
The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 15



- LEGEND**
- 10+00 PROPOSED BANK FULL
 - ⊕ PROPOSED CREEK
 - PERMANENT CONSERVATION EASEMENT
 - PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
 - CUT LINE (PROVIDED IN FORESTED AREA ONLY)
 - ▨ STREAM PLUG
 - ▨ CHANNEL BACKFILL
 - ▨ WETLAND ENHANCEMENT
 - ROCK CROSS VANE
 - ROCK A-VANE
 - ROCK VANE
 - LOG CROSS VANE
 - ▨ WETLAND RESTORATION
 - ▨ STREAM VALLEY RESTORATION
 - ▨ SPOIL AREA
 - LOG SILL
 - LOG VANE

- PROFILE LEGEND**
- PROPOSED TOP OF BANK
 - ⊕ OF NEW CHANNEL
 - EXISTING GROUND-CENTER
 - ⊕ LOG CROSS VANE
 - ⊕ LOG SILL
 - ⊕ ROCK CROSS VANE
 - ⊕ A-VANE
- SURVEY LEGEND**
- PROPERTY LINE
 - MAJOR CONTOURS
 - MINOR CONTOURS
 - STREAM CENTERLINE
 - TREELINE
 - EXISTING WETLAND



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CLIENT: STATE OF NORTH CAROLINA
ECOSYSTEM ENHANCEMENT PROGRAM

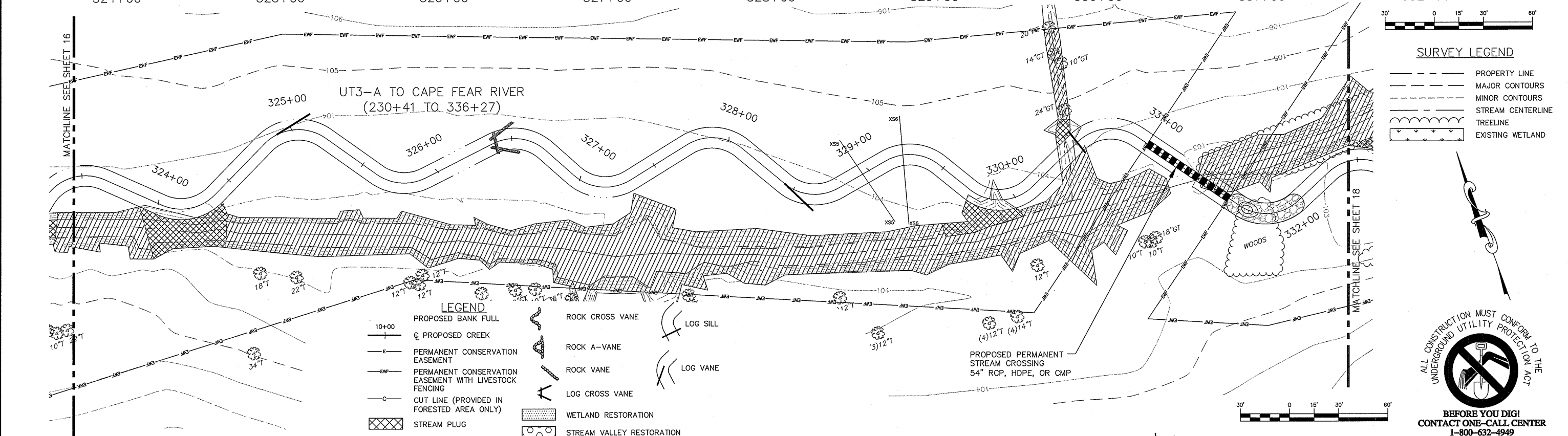
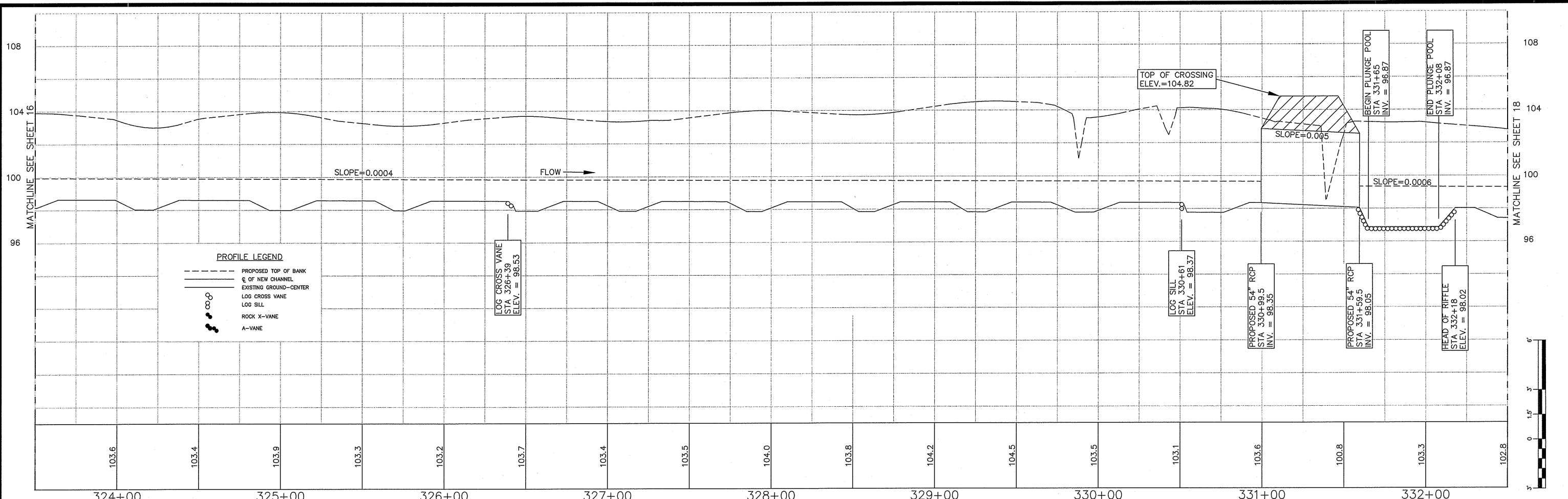
TITLE: GRADING PLAN AND PROFILE

DATE: 02/25/08
DRAWN BY: JIK
DESIGNED BY: RTL
CHECKED BY: TSJ

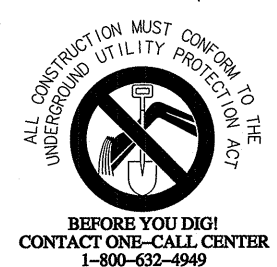
PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

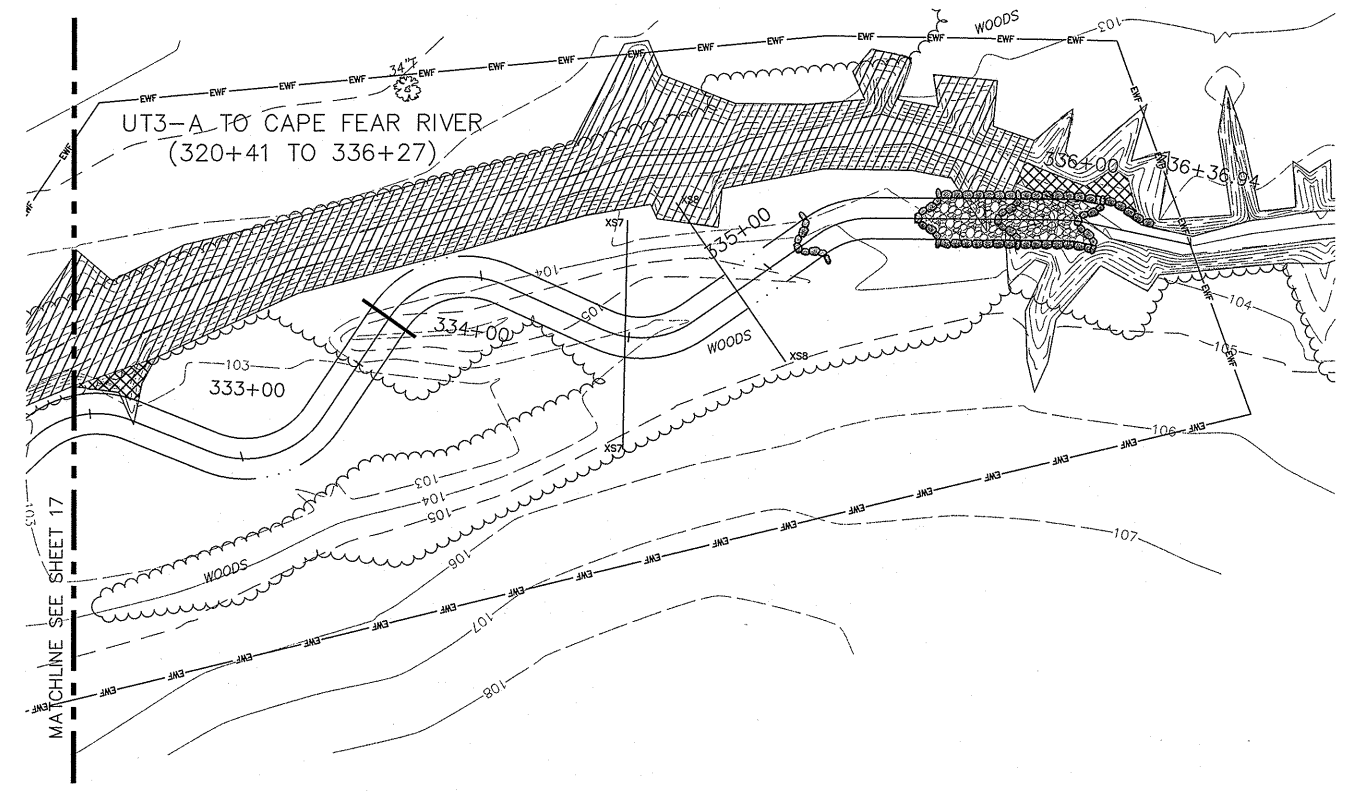
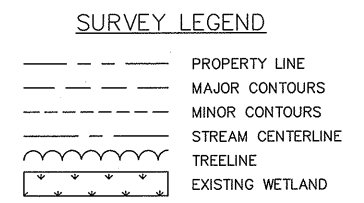
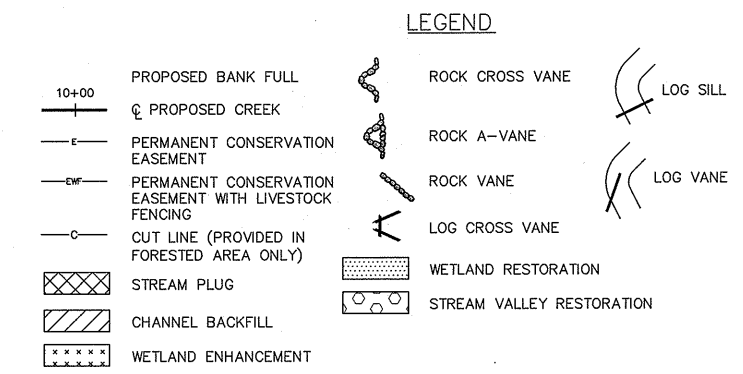
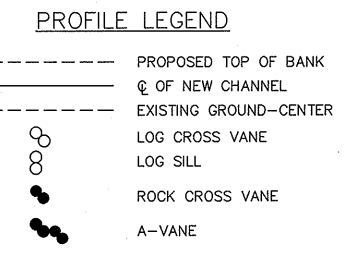
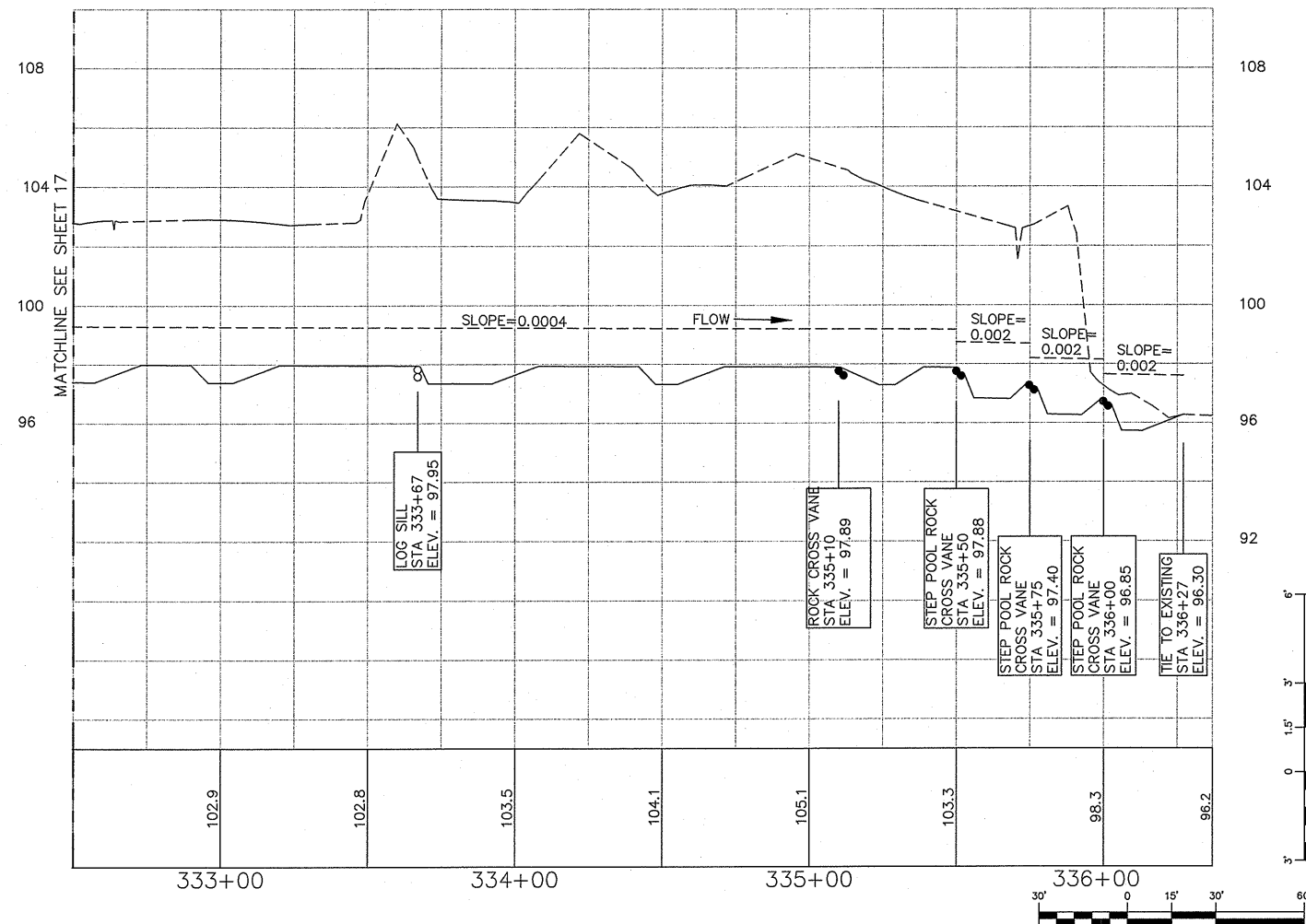
JOB NUMBER: 012620010 SHEET NUMBER: 16



REVISIONS 1 REVISED PER EROSION CONTROL REVIEW DATE: 08/23/07 DRAWN BY: JIK CHECKED BY: TWS		DBX PREPARED IN THE OFFICE OF: Kimley-Horn and Associates, Inc. P.O. BOX 33068 - RALEIGH, NORTH CAROLINA 27636-3068 PHONE: (919) 677-2000 FAX: (919) 677-2050		CLIENT: STATE OF NORTH CAROLINA ECOSYSTEM ENHANCEMENT PROGRAM TITLE: GRADING PLAN AND PROFILE		DATE: 02/25/08 DRAWN BY: JIK DESIGNED BY: RTL CHECKED BY: TSJ		PROJECT: BEAVERDAM SWAMP STREAM AND WETLAND RESTORATION EBX NEUSE I, LLC JOB NUMBER: 012620010 SHEET NUMBER: 17	
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CLIENT: STATE OF NORTH CAROLINA
 ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: GRADING PLAN AND PROFILE



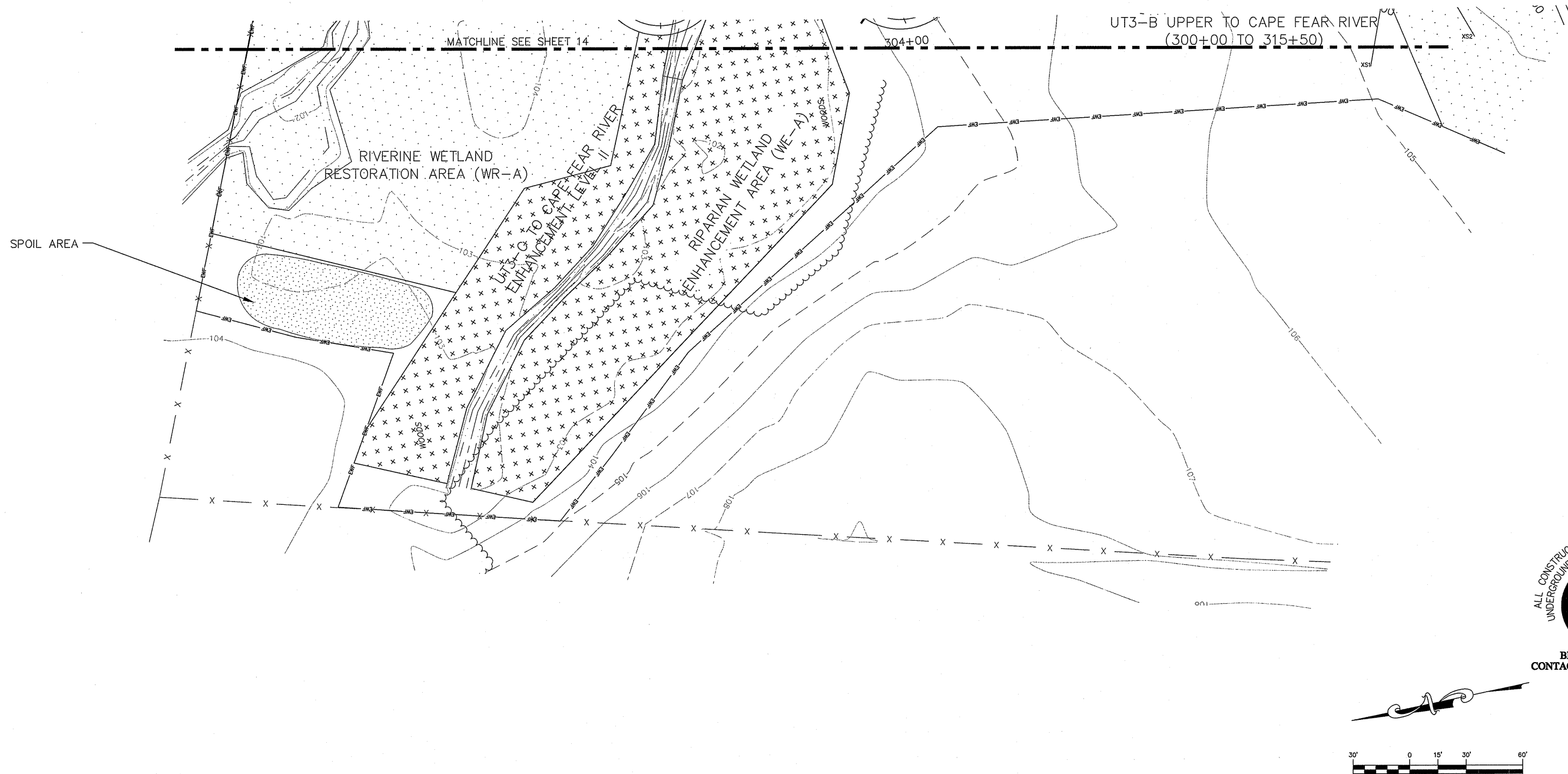
DATE: 02/25/08 PROJECT: BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC

DESIGNED BY: JIK
 CHECKED BY: TSJ

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 18

- | | | | | |
|-------|--------------------------------------------------------|---------------------------|----------|-------------------|
| 10+00 | PROPOSED BANK FULL | ROCK CROSS VANE | LOG SILL | PROPERTY LINE |
| ⊕ | PROPOSED CREEK | ROCK A-VANE | LOG VANE | MAJOR CONTOURS |
| —E— | PERMANENT CONSERVATION EASEMENT | ROCK VANE | | MINOR CONTOURS |
| —EW— | PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING | LOG CROSS VANE | | STREAM CENTERLINE |
| —C— | CUT LINE (PROVIDED IN FORESTED AREA ONLY) | WETLAND RESTORATION | | TREELINE |
| XXXX | STREAM PLUG | STREAM VALLEY RESTORATION | | EXISTING WETLAND |
| //// | CHANNEL BACKFILL | SPOIL AREA | | |
| XXXX | WETLAND ENHANCEMENT | | | |



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CLIENT: STATE OF NORTH CAROLINA ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: GRADING PLAN AND PROFILE



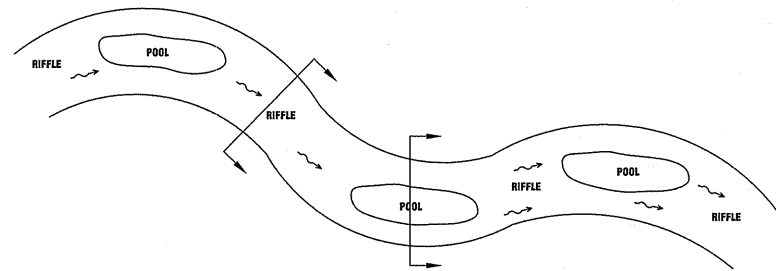
DATE: 02/25/08
DRAWN BY: JIK
DESIGNED BY: RTL
CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP STREAM AND WETLAND RESTORATION EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 19

April 28, 2008 - 3:56pm By: jmkimble



TYPICAL PLAN VIEW SCHEMATIC

NTS

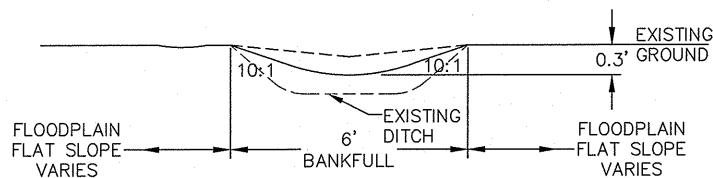
NOTES:

TYPICAL SECTIONS ARE PROVIDED TO GIVE THE GENERAL DIMENSIONS OF THE CHANNEL. FINAL GRADING WILL GIVE THE CHANNEL A MORE "NATURAL" APPEARANCE AND ALLOW A SMOOTH TRANSITION FROM EXISTING CHANNEL TO NEW CHANNEL.

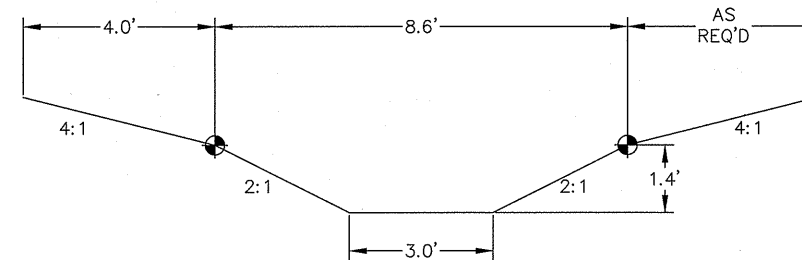
ALL POOLS SHALL BE OVERDUG 1' TO ACCOUNT FOR SEDIMENTATION.

LEGEND:

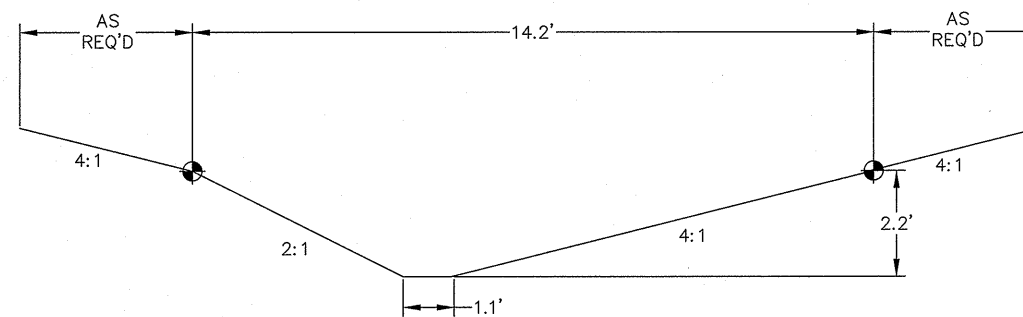
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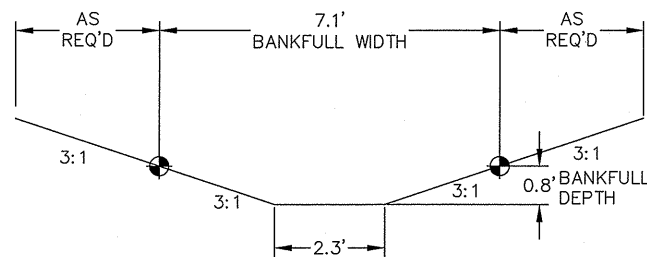
UT1-E VALLEY



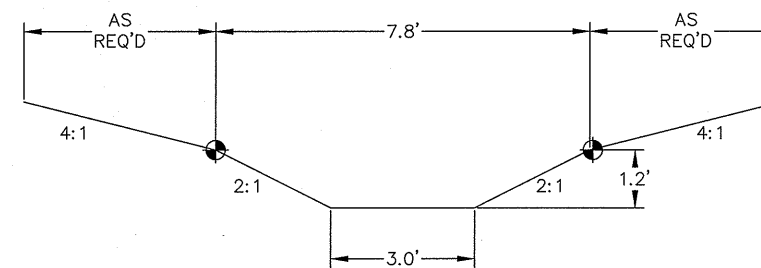
**UT1-A RIFFLE
STA 123+82 TO 135+23**



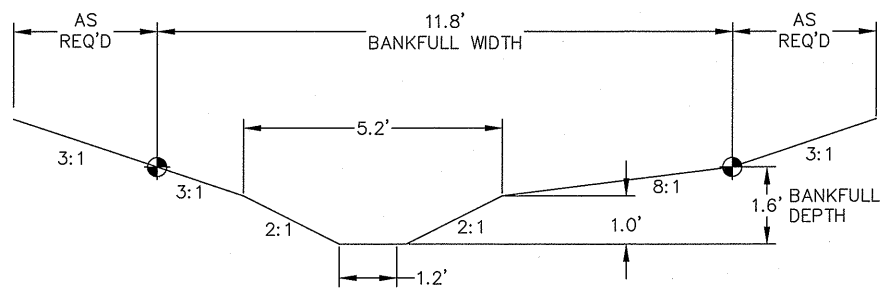
**UT1-A POOL
STA 123+82 TO 135+23**



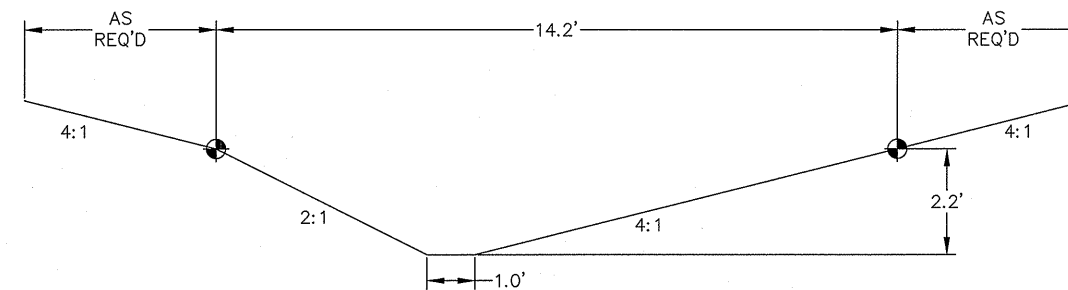
**UT1-D RIFFLE
STA 150+00 TO 155+63**



**UT1-C RIFFLE
STA 100+00 TO 112+63**



**UT1-D POOL
STA 150+00 TO 155+63**



**UT1-C POOL
STA 100+00 TO 112+63**

T:\en\012920010 Beaverdam Swamp Restoration\0010_LDD.dwg\RECORD SET 04-10-08-TYPICALS.dwg

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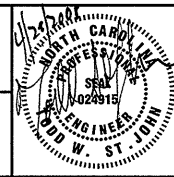
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CLIENT: STATE OF NORTH CAROLINA
ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: TYPICAL CROSS SECTIONS

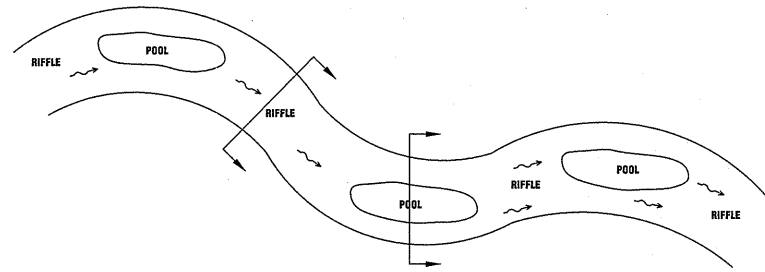


DATE: 02/25/08
DRAWN BY: JIK
DESIGNED BY: RTL
CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 20



TYPICAL PLAN VIEW SCHEMATIC

NTS

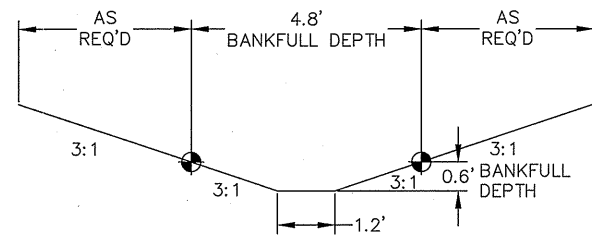
NOTES:

TYPICAL SECTIONS ARE PROVIDED TO GIVE THE GENERAL DIMENSIONS OF THE CHANNEL. FINAL GRADING WILL GIVE THE CHANNEL A MORE "NATURAL" APPEARANCE AND ALLOW A SMOOTH TRANSITION FROM EXISTING CHANNEL TO NEW CHANNEL.

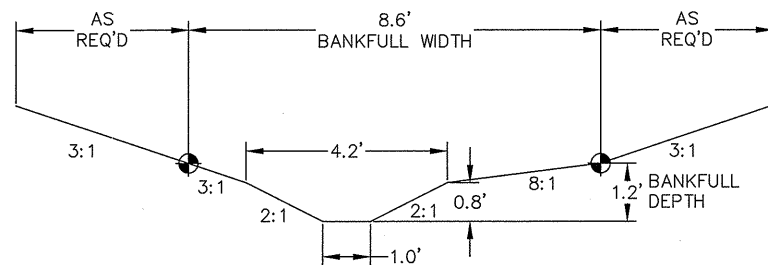
ALL POOLS SHALL BE OVERDUG 1' TO ACCOUNT FOR SEDIMENTATION.

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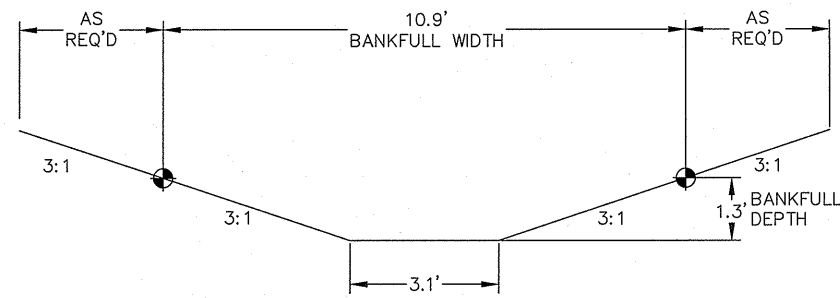
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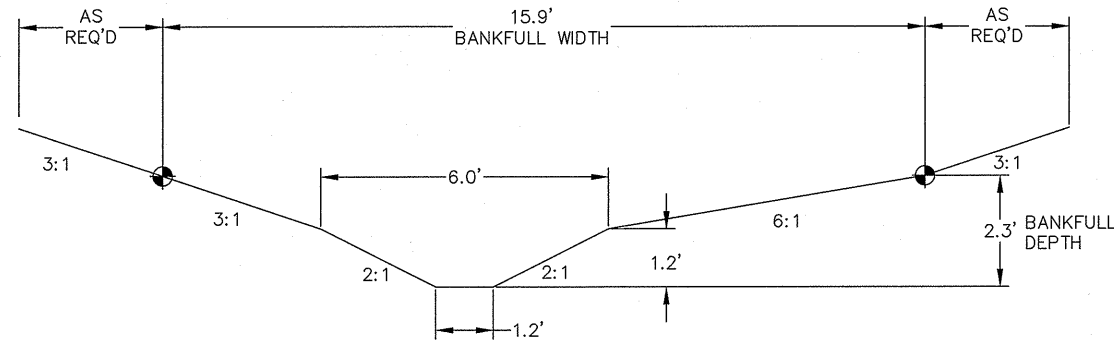
UT1-F RIFFLE
STA 180+00 TO 186+31



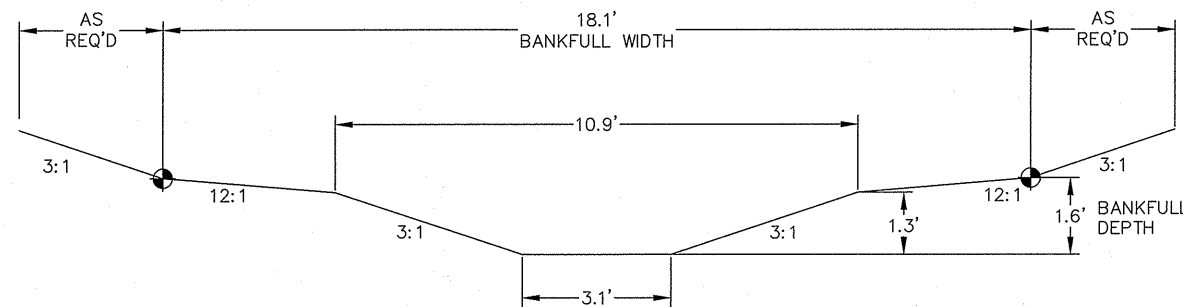
UT1-F POOL
STA 180+00 TO 186+31



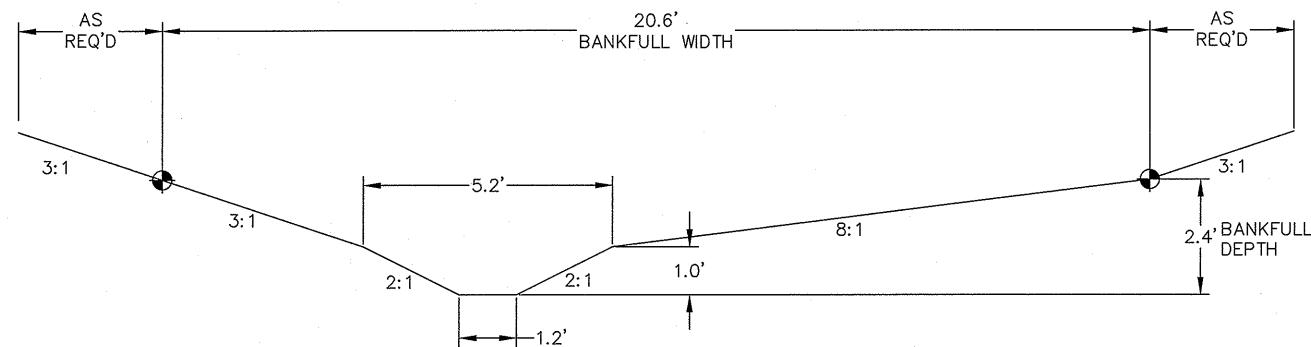
UT1-B UPPER RIFFLE
STA 112+63 TO 118+91



UT1-B UPPER POOL
STA 112+63 TO 118+91



UT1-B LOWER RIFFLE
STA 119+01 TO 123+22



UT1-B LOWER POOL
STA 119+01 TO 123+22

REV. No.	REVISION	DATE	DRAWN BY	CHECKED BY
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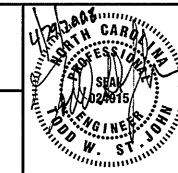


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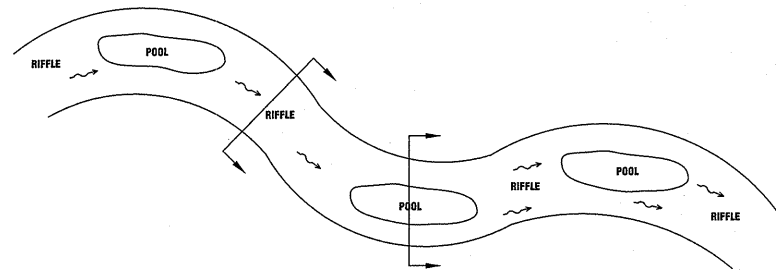
TITLE: TYPICAL CROSS SECTIONS



DATE: 02/25/08
DRAWN BY: JJK
DESIGNED BY: RTL
CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions. JOB NUMBER: 012620010 SHEET NUMBER: 21



TYPICAL PLAN VIEW SCHEMATIC

NTS

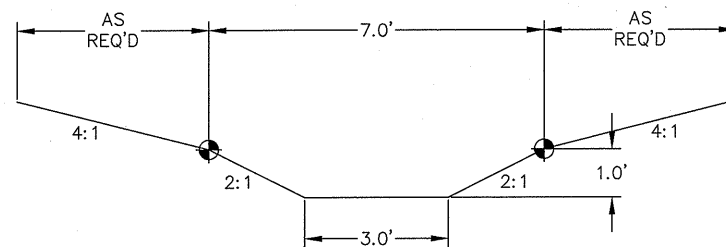
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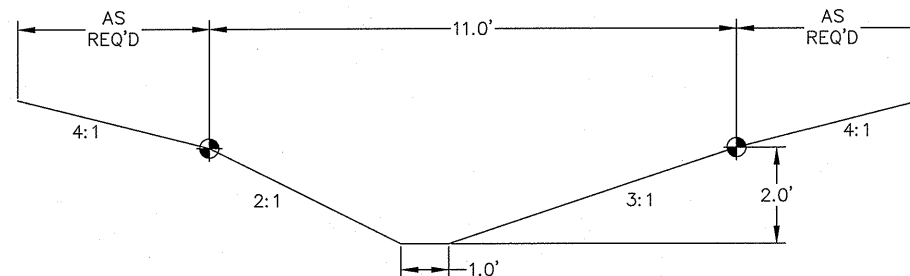
ALL POOLS SHALL BE OVERDUG 1' TO ACCOUNT FOR SEDIMENTATION.

LEGEND:

◆ BANKFULL ELEVATION TO ACT AS VERTICAL CONTROL POINT. POINT SHOULD BE VERIFIED BY DESIGNER BEFORE EARTHWORK BEGINS.



UT2 RIFFLE
STA 200+00 TO 212+63.92



UT2 POOL
STA 200+00 TO 212+62.94

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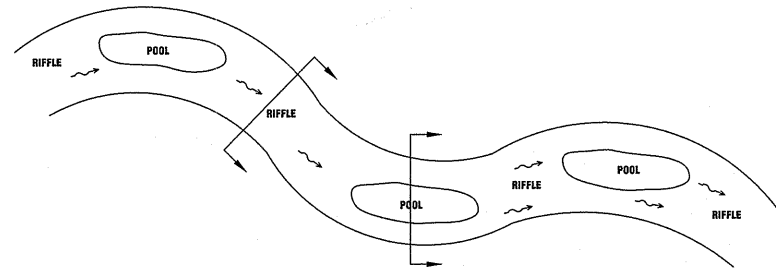
TITLE: TYPICAL CROSS SECTIONS



DATE: 02/25/08
DRAWN BY: JIK
DESIGNED BY: RTL
CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions. JOB NUMBER: 012620010 SHEET NUMBER: 22



TYPICAL PLAN VIEW SCHEMATIC

NTS

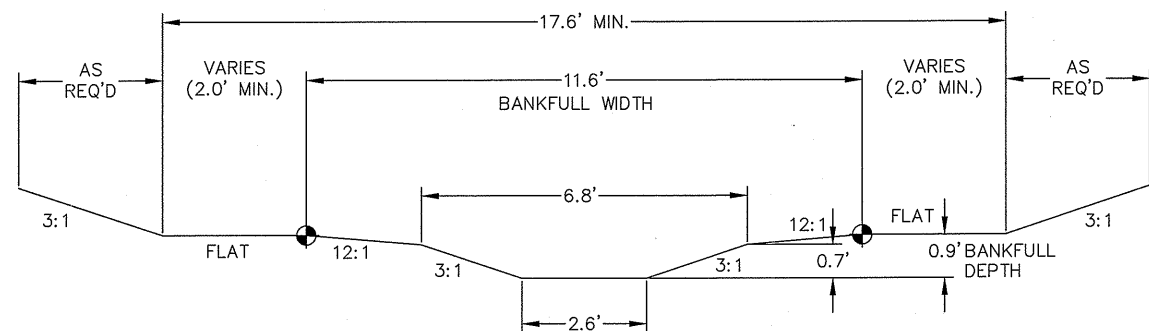
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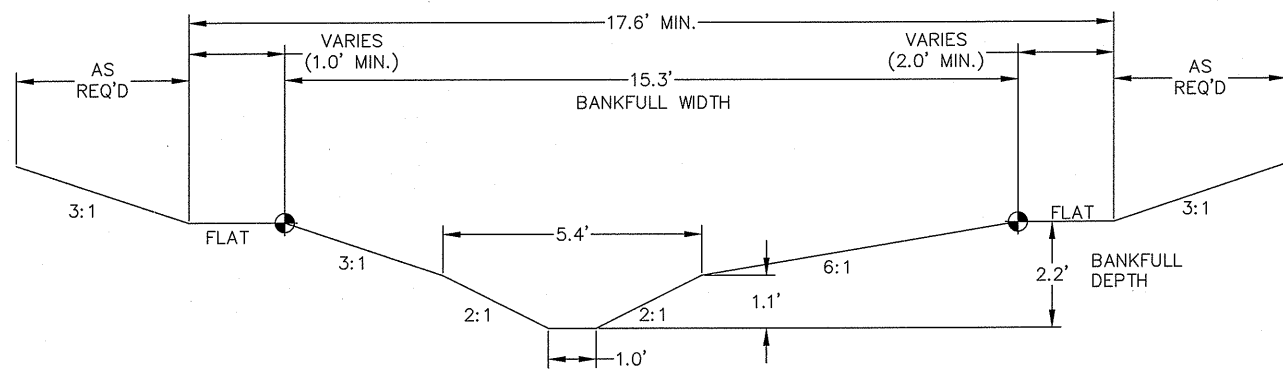
ALL POOLS SHALL BE OVERDUG 1' TO ACCOUNT FOR SEDIMENTATION.

LEGEND:

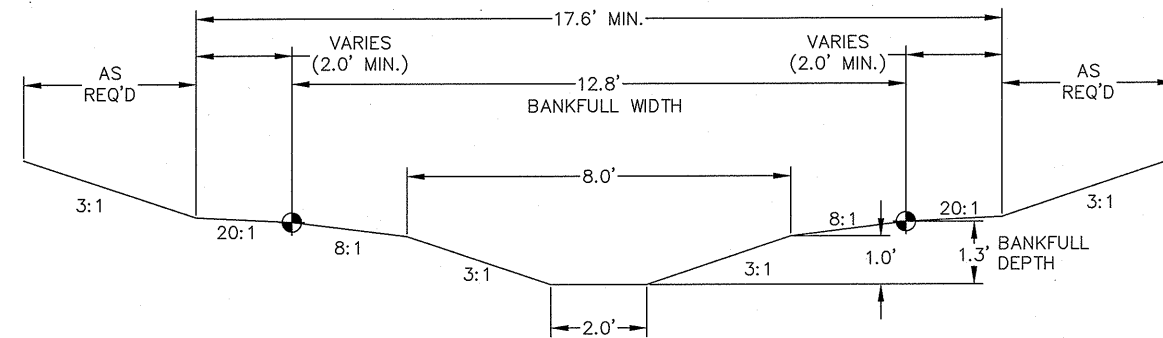
● BANKFULL ELEVATION TO ACT AS VERTICAL CONTROL POINT. POINT SHOULD BE VERIFIED BY DESIGNER BEFORE EARTHWORK BEGINS.



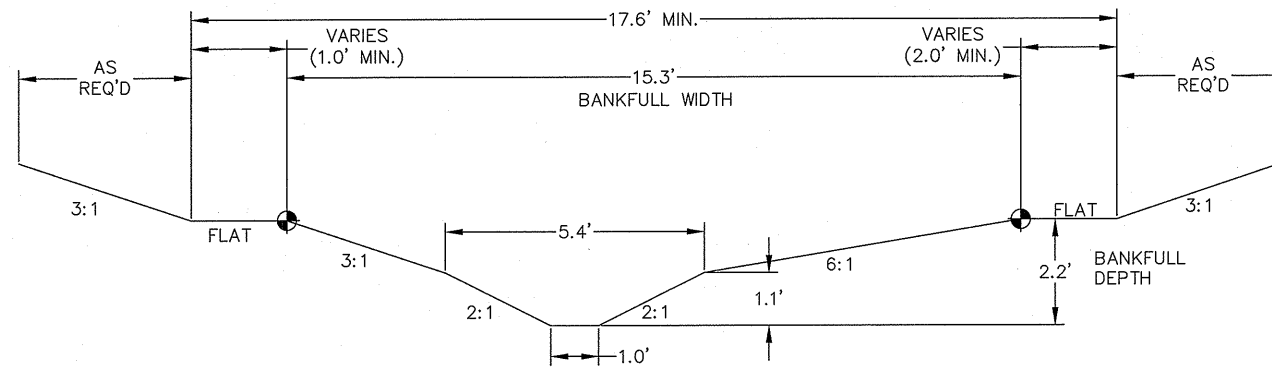
UT3-B LOWER RIFFLE
STA 315+50 TO 319+72



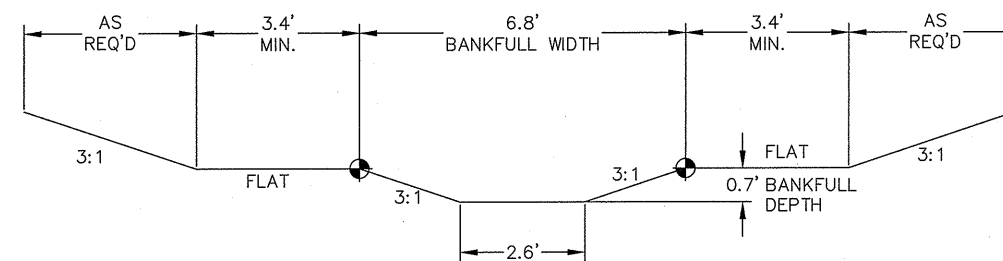
UT3-B LOWER POOL
STA 315+50 TO 319+72



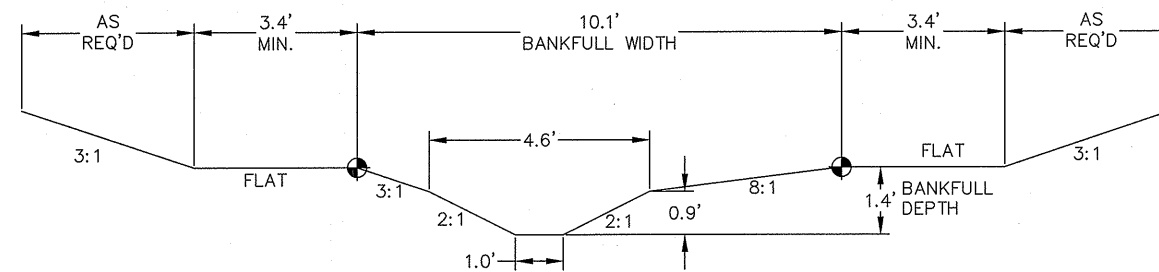
UT3-A RIFFLE
STA 320+41 TO 336+27



UT3-A POOL
STA 320+41 TO 336+27



UT3-B UPPER RIFFLE
STA 300+00 TO 315+50



UT3-B UPPER POOL
STA 300+00 TO 315+50

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REV. No.	REVISION	DATE	DRAWN BY	CHECKED BY

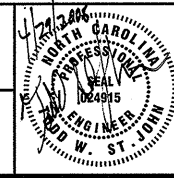
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CLIENT: STATE OF NORTH CAROLINA
ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: TYPICAL CROSS SECTIONS



DATE: 02/25/08
PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

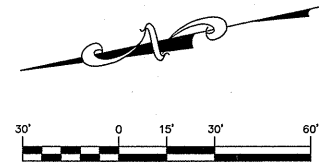
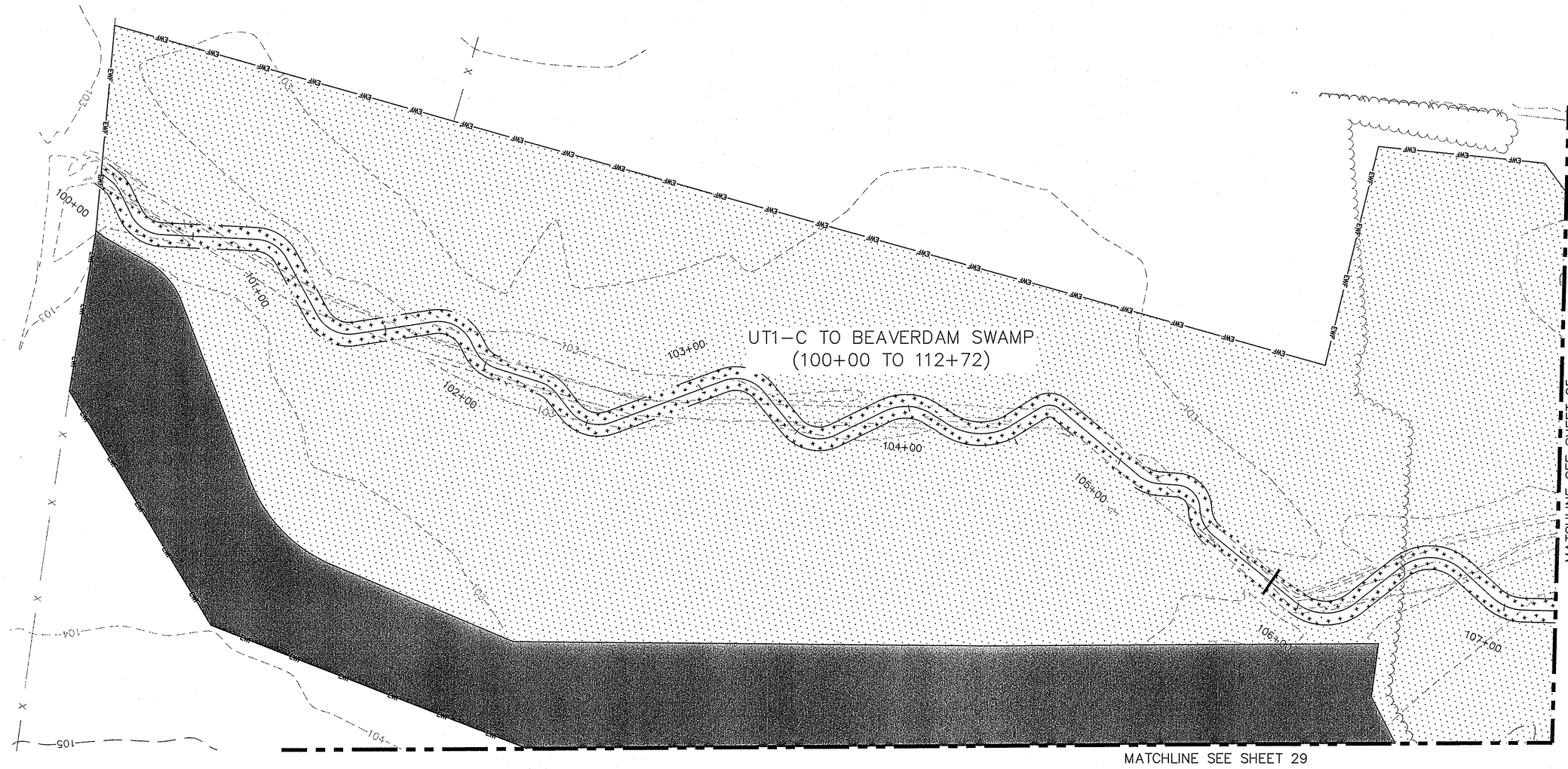
DESIGNED BY: JIK
CHECKED BY: RTL
TSJ

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 23

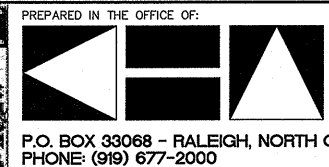
- | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>10+00</p> PROPOSED BANK FULL
PROPOSED CREEK
PERMANENT CONSERVATION EASEMENT
PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING | <p>LEGEND</p> ROCK CROSS VANE
ROCK A-VANE
ROCK VANE
LOG CROSS VANE | <p>SURVEY LEGEND</p> PROPERTY LINE
MAJOR CONTOURS
MINOR CONTOURS
STREAM CENTERLINE
TREELINE
EXISTING WETLAND | <p>PLANTING LEGEND</p> <p>ZONE 1 STREAM BANKS
 ZONE 2 RIPARIAN
 ZONE 3 UPLAND
 ZONE 4 TO REMAIN</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|

NOTE:
 UT1-C DOWN TO STA 106+50 TO RECEIVE INVASIVE REMOVAL TREATMENT AND SUPPLEMENTAL PLANTING ONLY WITHIN THE FORESTED AREA. FORESTED AREA SHALL NOT BE RIPPED.



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CLIENT: STATE OF NORTH CAROLINA
 ECOSYSTEM ENHANCEMENT PROGRAM
 TITLE: PLANTING PLAN



DATE:	02/25/08	PROJECT:	BEAVERDAM SWAMP STREAM AND WETLAND RESTORATION EBX NEUSE I, LLC
DRAWN BY:	JK	DESIGNED BY:	RTL
CHECKED BY:	TSJ	JOB NUMBER:	012620010
			SHEET NUMBER: 24

The record drawings represent the construction plans with adjustments made to represent constructed conditions.



PLANTING LEGEND

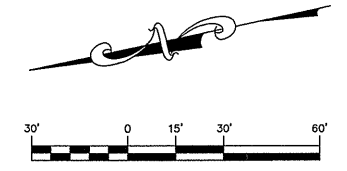
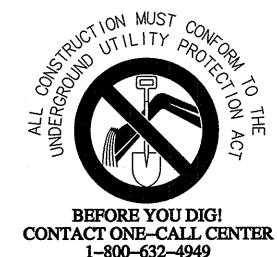
- ZONE 1 STREAM BANKS
- ZONE 2 RIPARIAN
- ZONE 3 UPLAND
- ZONE 4 TO REMAIN

LEGEND

- 10+00
- PROPOSED CREEK
- PROPOSED BANK FULL
- PERMANENT CONSERVATION EASEMENT
- PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- ROCK CROSS VANE
- ROCK A-VANE
- ROCK VANE
- LOG CROSS VANE
- LOG SILL
- LOG VANE

SURVEY LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- MINOR CONTOURS
- STREAM CENTERLINE
- TREELINE
- EXISTING WETLAND



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 ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: **PLANTING PLAN**



DATE: 02/25/08
 DRAWN BY: JIK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

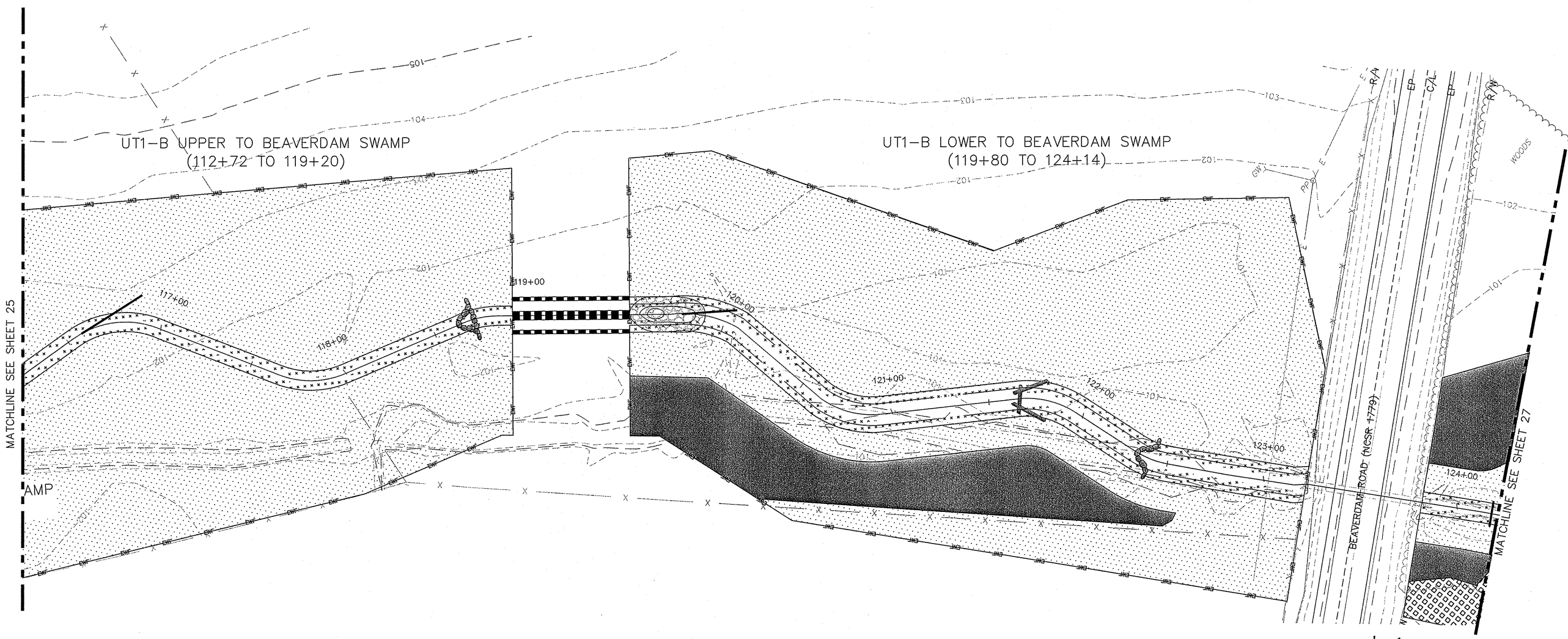
PROJECT: **BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC**

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 25

April 28, 2008 - 3:51pm By: jmkimble

<p>10+00</p> <p>PROPOSED BANK FULL</p> <p>PROPOSED CREEK</p> <p>PERMANENT CONSERVATION EASEMENT</p> <p>PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING</p>		<p>LEGEND</p> <p>ROCK CROSS VANE</p> <p>ROCK A-VANE</p> <p>ROCK VANE</p> <p>LOG CROSS VANE</p>		<p>SURVEY LEGEND</p> <p>PROPERTY LINE</p> <p>MAJOR CONTOURS</p> <p>MINOR CONTOURS</p> <p>STREAM CENTERLINE</p> <p>TREELINE</p> <p>EXISTING WETLAND</p>		<p>PLANTING LEGEND</p> <p>ZONE 1 STREAM BANKS</p> <p>ZONE 2 RIPARIAN</p> <p>ZONE 3 UPLAND</p> <p>ZONE 4 TO REMAIN</p>	



ALL CONSTRUCTION MUST CONFORM TO THE UNDERGROUND UTILITY PROTECTION ACT

BEFORE YOU DIG! CONTACT ONE-CALL CENTER 1-800-632-4949

T:\n\012620010 Beaverdam Swamp Restoration\0101_LDD.dwg\RECORD SET 04-10-08\08-VEG PLANS.dwg

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TITLE: PLANTING PLAN

DATE: 02/25/08

DRAWN BY: JIK

DESIGNED BY: RTL

CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP STREAM AND WETLAND RESTORATION EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 26

LEGEND

- 10+00
- PROPOSED BANK FULL
- PROPOSED CREEK
- PERMANENT CONSERVATION EASEMENT
- PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
- ROCK CROSS VANE
- ROCK A-VANE
- ROCK VANE
- LOG CROSS VANE
- LOG SILL
- LOG VANE

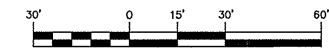
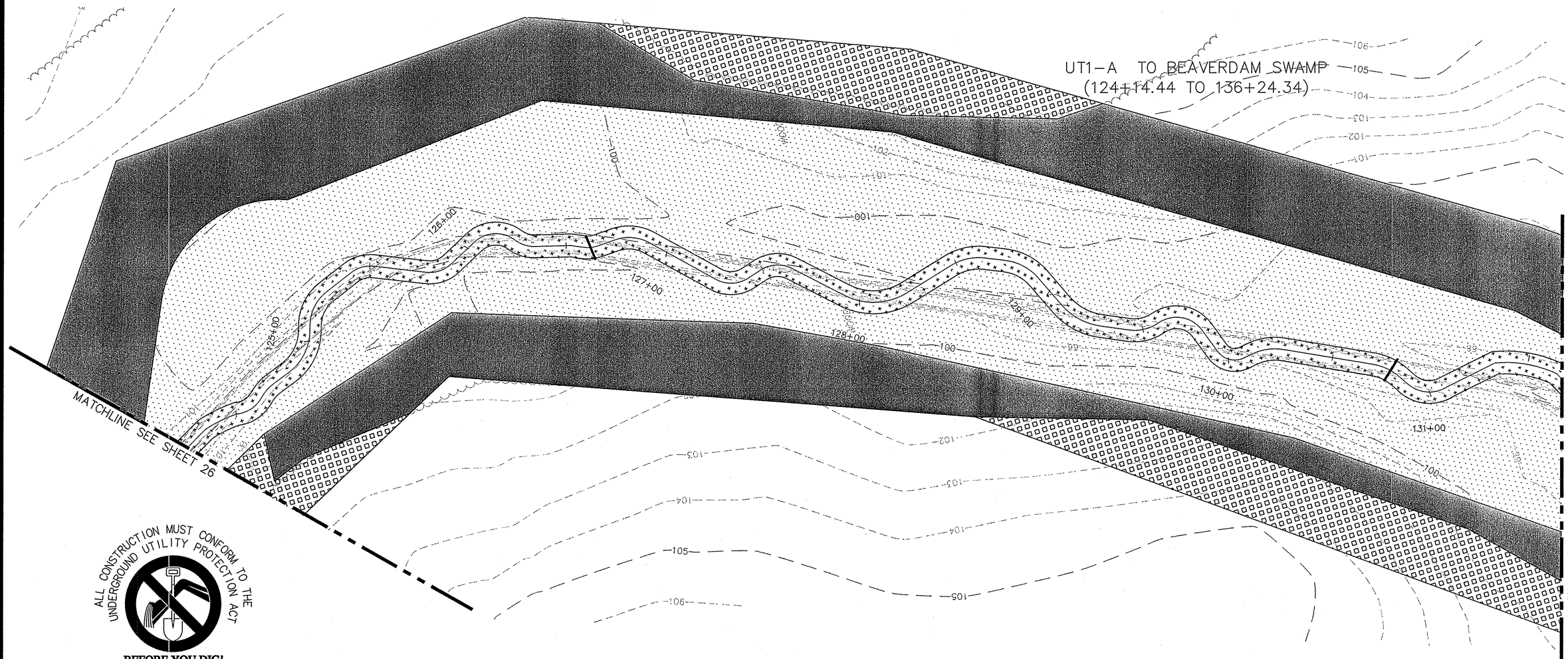
SURVEY LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- MINOR CONTOURS
- STREAM CENTERLINE
- TREELINE
- EXISTING WETLAND

PLANTING LEGEND

- ZONE 1: STREAM BANKS
- ZONE 2: RIPARIAN
- ZONE 3: UPLAND
- ZONE 4: TO REMAIN





NOTE:
 UT1-A BELOW BEAVERDAM ROAD TO RECEIVE
 INVASIVE REMOVAL TREATMENT AND SUPPLEMENTAL
 PLANTING ONLY WITHIN THE FORESTED AREA.
 FORESTED AREA SHALL NOT BE RIPPED.













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REV. No.: 1 REVISION: REVISED PER EROSION CONTROL REVIEW		DATE: 08/23/07 DRAWN BY: JIK CHECKED BY: TWS		TITLE: PLANTING PLAN				The record drawings represent the construction plans with adjustments made to represent constructed conditions.	
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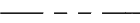



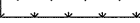

PLANTING LEGEND

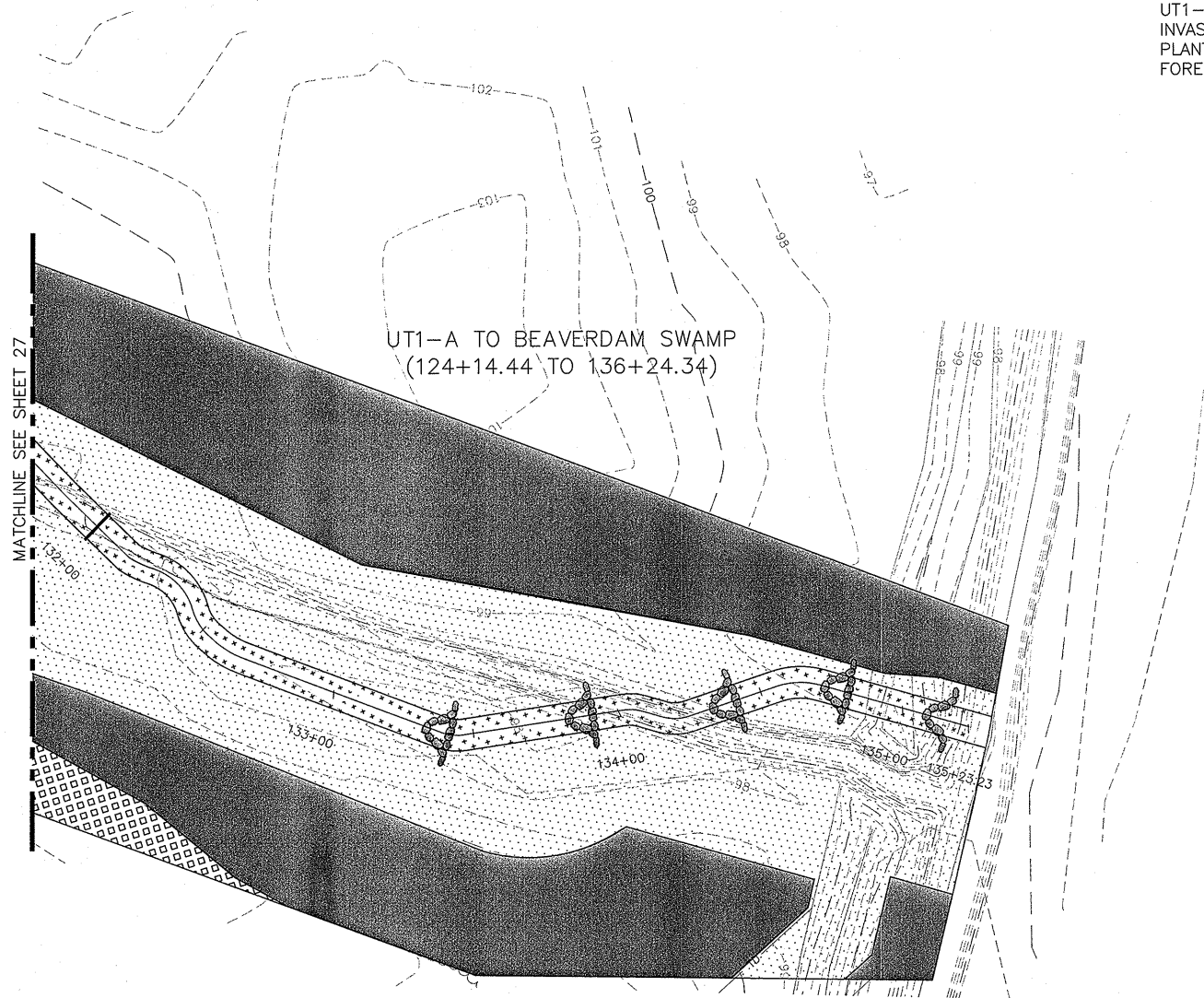
- ZONE 1  STREAM BANKS
- ZONE 2  RIPARIAN
- ZONE 3  UPLAND
- ZONE 4  TO REMAIN

LEGEND

-  10+00
-  PROPOSED CREEK
-  PERMANENT CONSERVATION EASEMENT
-  PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
-  ROCK CROSS VANE
-  ROCK A-VANE
-  ROCK VANE
-  LOG CROSS VANE
-  LOG SILL
-  LOG VANE

SURVEY LEGEND

-  PROPERTY LINE
-  MAJOR CONTOURS
-  MINOR CONTOURS
-  STREAM CENTERLINE
-  TREELINE
-  EXISTING WETLAND



NOTE:
 UT1-A BELOW BEAVERDAM ROAD TO RECEIVE
 INVASIVE REMOVAL TREATMENT AND SUPPLEMENTAL
 PLANTING ONLY WITHIN THE FORESTED AREA.
 FORESTED AREA SHALL NOT BE RIPPED.



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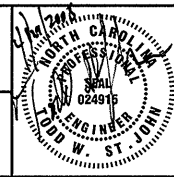
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CLIENT: STATE OF NORTH CAROLINA ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: **PLANTING PLAN**







DATE: 02/25/08
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 DESIGNED BY: RTL
 CHECKED BY: TSJ

PROJECT: **BEAVERDAM SWAMP STREAM AND WETLAND RESTORATION**
 EBX NEUSE I, LLC











The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 28


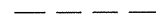

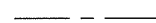

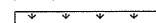
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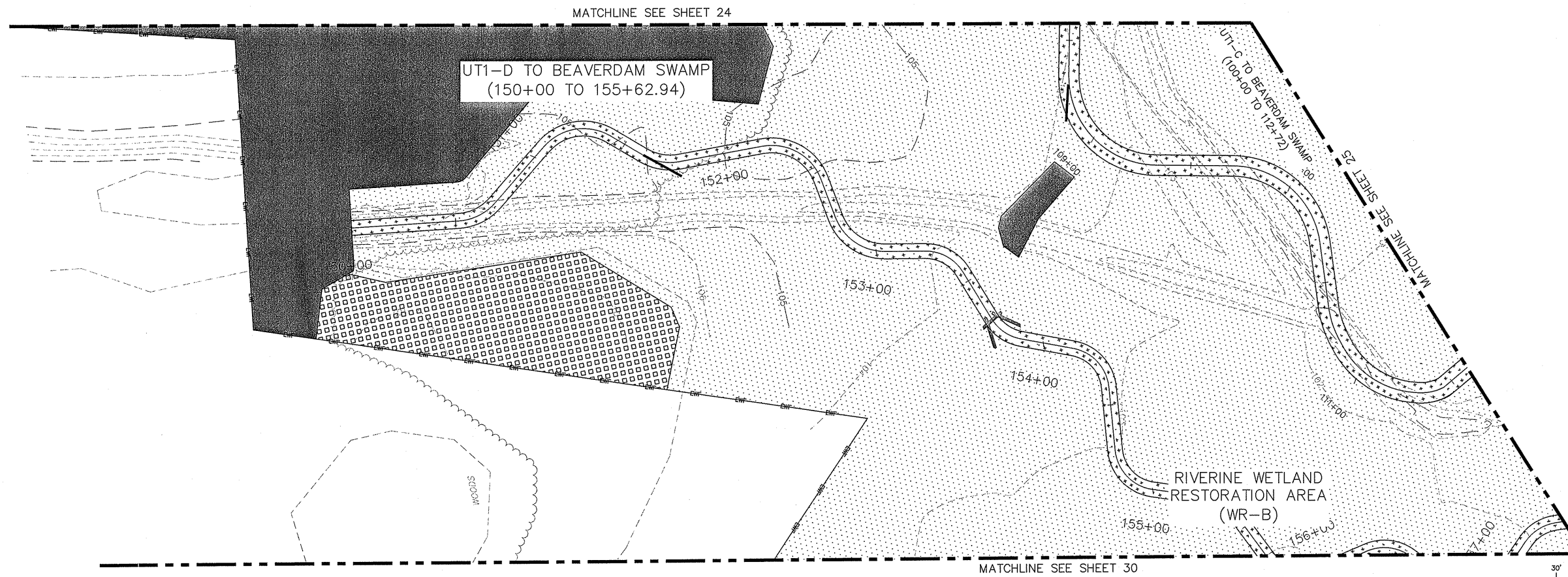
- ZONE 1  STREAM BANKS
- ZONE 2  RIPARIAN
- ZONE 3  UPLAND
- ZONE 4  TO REMAIN

LEGEND

-  10+00
-  PROPOSED CREEK
-  PERMANENT CONSERVATION EASEMENT
-  PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
-  ROCK CROSS VANE
-  ROCK A-VANE
-  ROCK VANE
-  LOG CROSS VANE
-  LOG SILL
-  LOG VANE

SURVEY LEGEND

-  PROPERTY LINE
-  MAJOR CONTOURS
-  MINOR CONTOURS
-  STREAM CENTERLINE
-  TREELINE
-  EXISTING WETLAND



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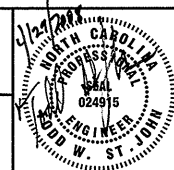
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 ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: PLANTING PLAN



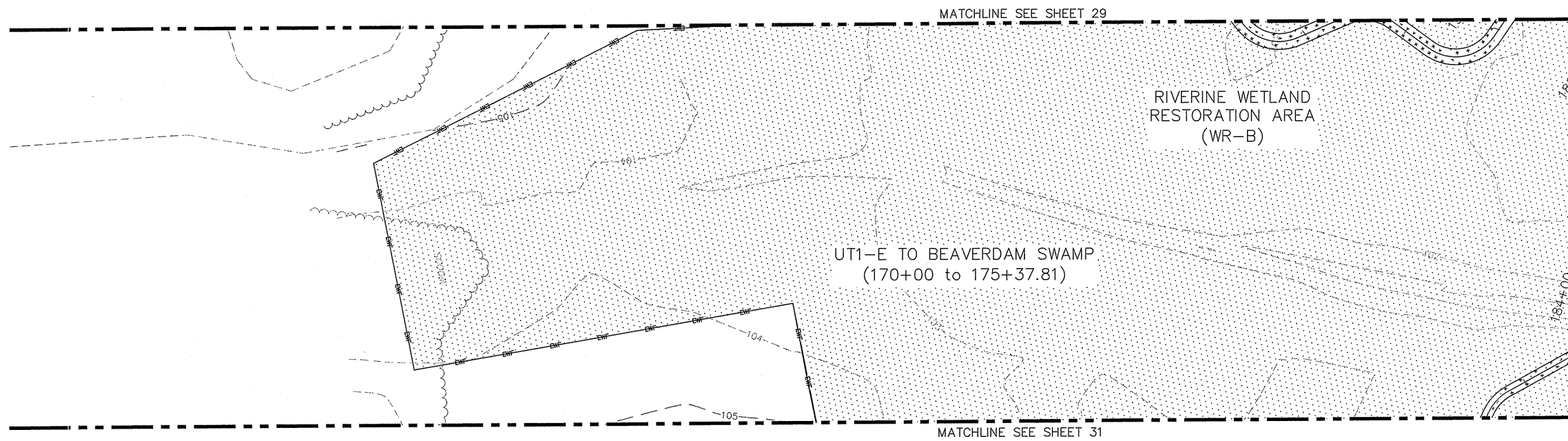
DATE: 02/25/08
 DRAWN BY: JIK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 29

LEGEND		SURVEY LEGEND		PLANTING LEGEND	
10+00	PROPOSED BANK FULL	ROCK CROSS VANE	PROPERTY LINE	ZONE 1	STREAM BANKS
⊕	PROPOSED CREEK	ROCK A-VANE	MAJOR CONTOURS	ZONE 2	RIPARIAN
---	PERMANENT CONSERVATION EASEMENT	ROCK VANE	MINOR CONTOURS	ZONE 3	UPLAND
---	PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING	LOG CROSS VANE	STREAM CENTERLINE	ZONE 4	TO REMAIN
		LOG SILL	TREELINE		
		LOG VANE	EXISTING WETLAND		



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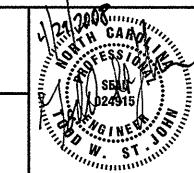


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CLIENT: STATE OF NORTH CAROLINA
 ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: PLANTING PLAN



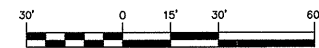
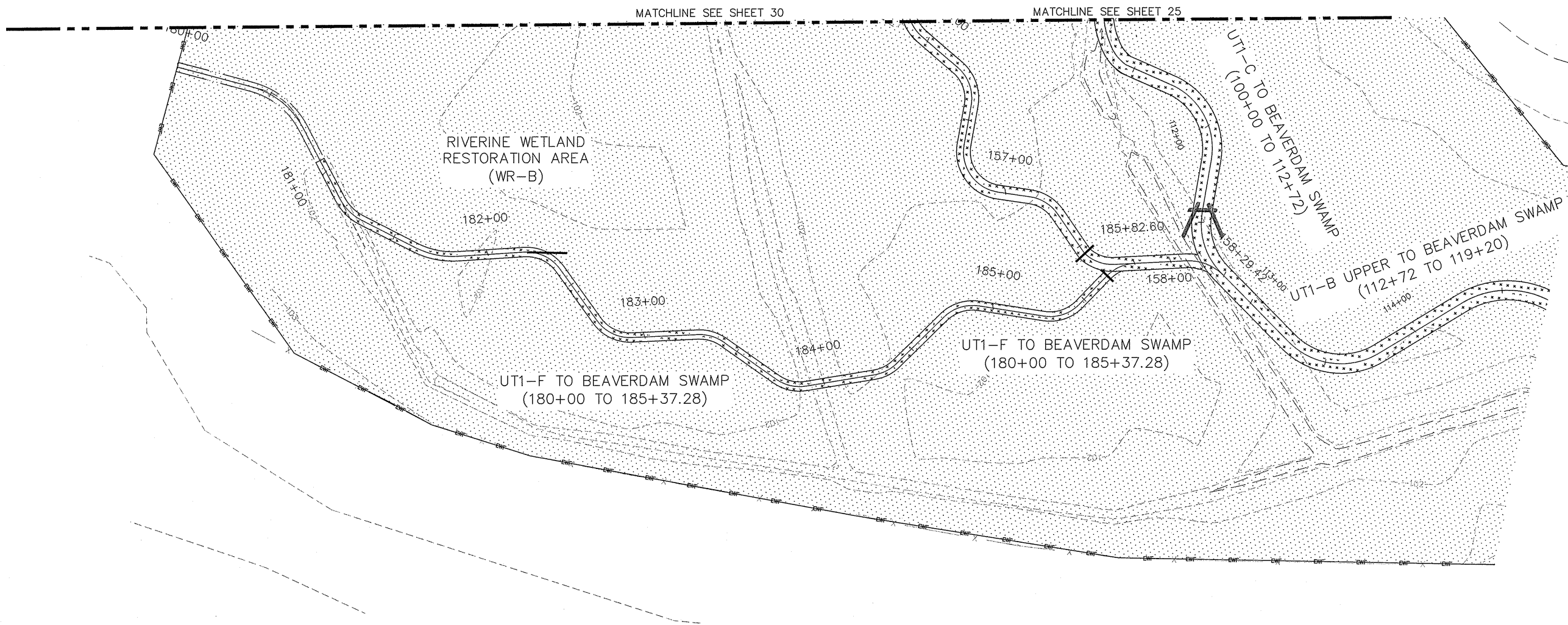
DATE: 02/25/08
 DRAWN BY: JIK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 30

- | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>10+00
 PROPOSED BANK FULL
 PROPOSED CREEK
 PERMANENT CONSERVATION EASEMENT
 PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING</p> | | <p>LEGEND
 ROCK CROSS VANE
 ROCK A-VANE
 ROCK VANE
 LOG CROSS VANE</p> | | <p>SURVEY LEGEND
 PROPERTY LINE
 MAJOR CONTOURS
 MINOR CONTOURS
 STREAM CENTERLINE
 TREELINE
 EXISTING WETLAND</p> | | <p>PLANTING LEGEND
 ZONE 1 STREAM BANKS
 ZONE 2 RIPARIAN
 ZONE 3 UPLAND
 ZONE 4 TO REMAIN</p> | |
| | | <p> LOG SILL
 LOG VANE</p> | | | | | |



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 PHONE: (919) 677-2000 FAX: (919) 677-2050

CLIENT: STATE OF NORTH CAROLINA ECOSYSTEM ENHANCEMENT PROGRAM

TITLE: PLANTING PLAN

DATE: 02/25/08

PROJECT: BEAVERDAM SWAMP STREAM AND WETLAND RESTORATION EBX NEUSE I, LLC

DRAWN BY: JIK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 01262010 SHEET NUMBER: 31

April 28, 2008 - 3:53pm By: Jm.Kimble

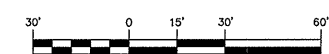
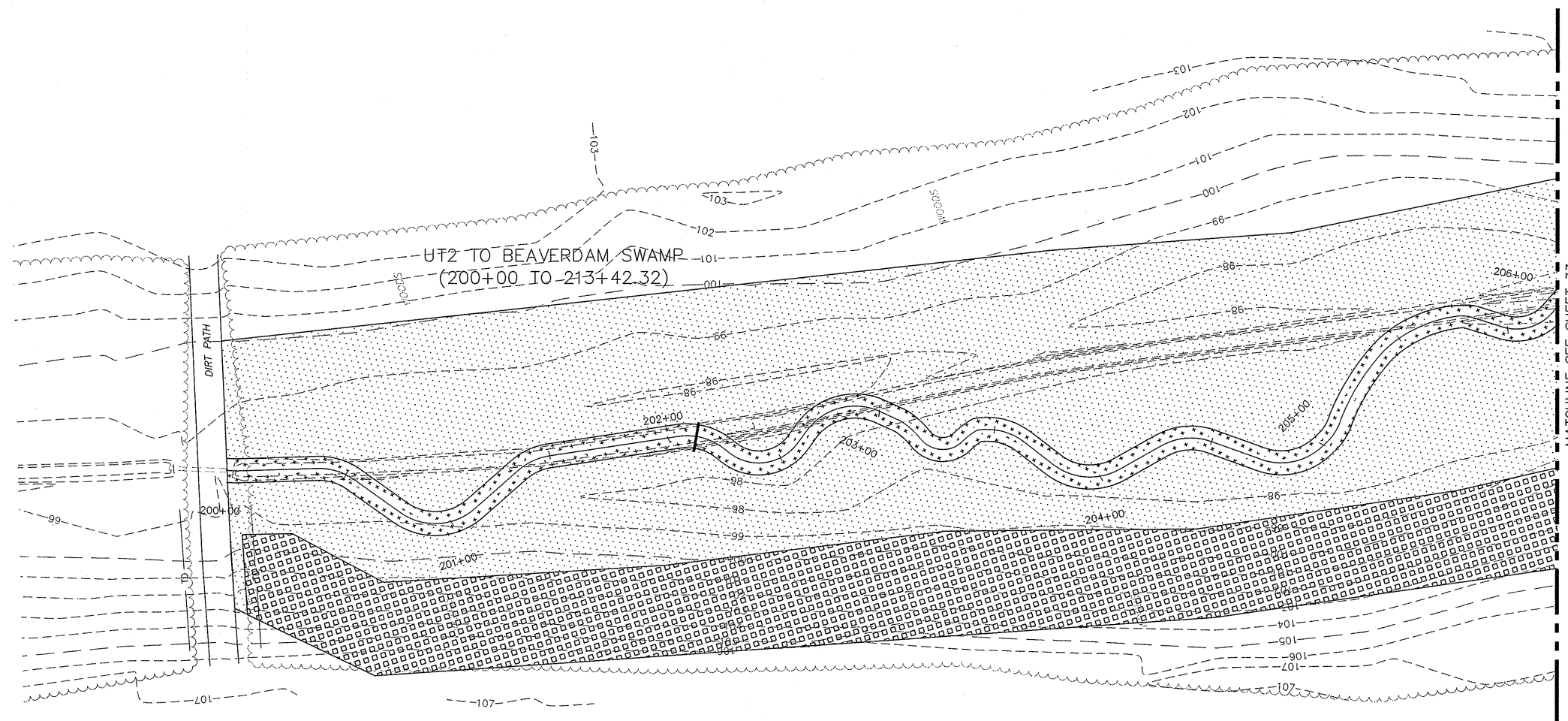
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LEGEND		
10+00	PROPOSED BANK FULL	ROCK CROSS VANE
⊙	PROPOSED CREEK	ROCK A-VANE
— —	PERMANENT CONSERVATION EASEMENT	ROCK VANE
— —	PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING	LOG CROSS VANE
		LOG SILL
		LOG VANE

SURVEY LEGEND	
---	PROPERTY LINE
---	MAJOR CONTOURS
---	MINOR CONTOURS
---	STREAM CENTERLINE
~	TREELINE
---	EXISTING WETLAND

PLANTING LEGEND	
ZONE 1	STREAM BANKS
ZONE 2	RIPARIAN
ZONE 3	UPLAND
ZONE 4	TO REMAIN

NOTE:
 FORESTED AREA TO RECEIVE INVASIVE REMOVAL TREATMENT AND SUPPLEMENTAL PLANTING ONLY.
 FORESTED AREA SHALL NOT BE RIPPED.



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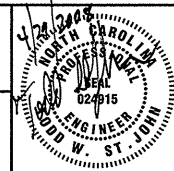
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DATE: 02/25/08
 DRAWN BY: JIK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 32

LEGEND

	PROPOSED BANK FULL		ROCK CROSS VANE		LOG SILL
	PROPOSED CREEK		ROCK A-VANE		LOG VANE
	PERMANENT CONSERVATION EASEMENT		ROCK VANE		
	PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING		LOG CROSS VANE		

SURVEY LEGEND

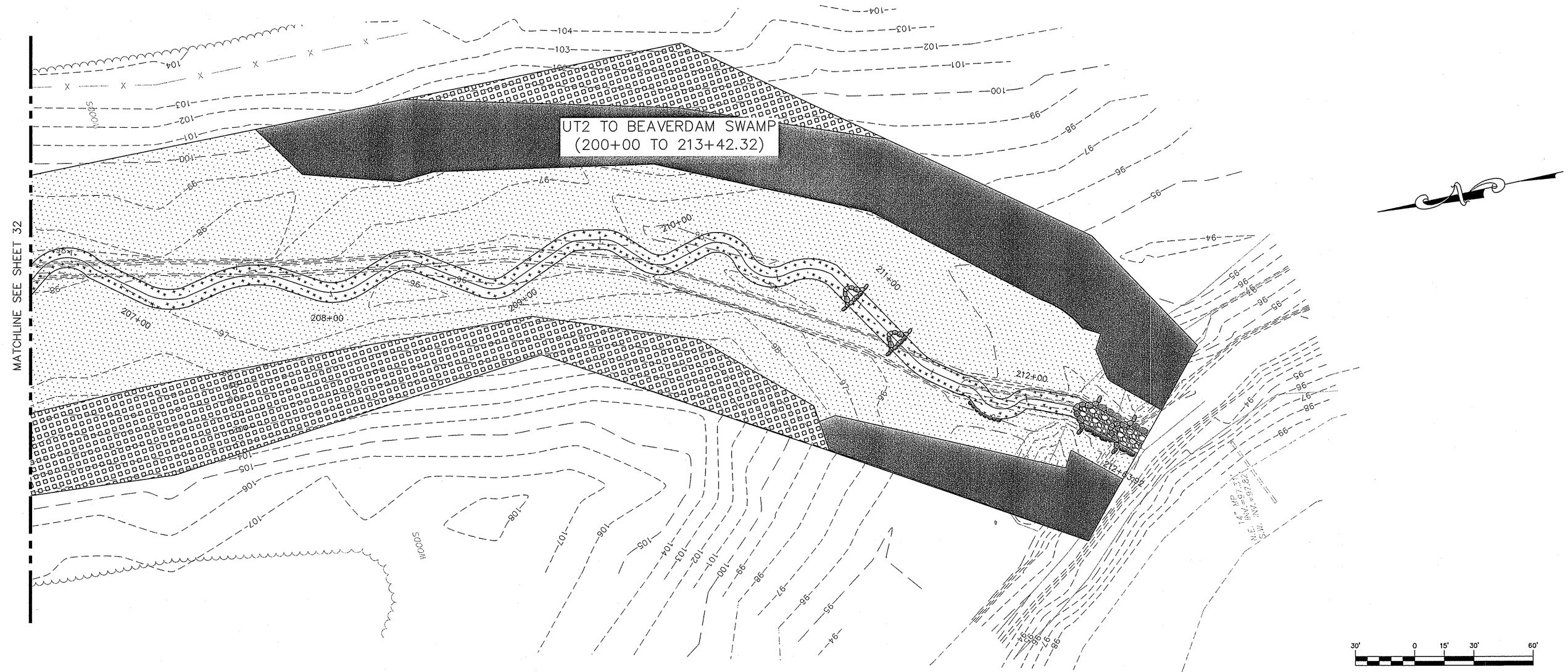
	PROPERTY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	STREAM CENTERLINE
	TREELINE
	EXISTING WETLAND

PLANTING LEGEND

ZONE 1		STREAM BANKS
ZONE 2		RIPARIAN
ZONE 3		UPLAND
ZONE 4		TO REMAIN



NOTE:
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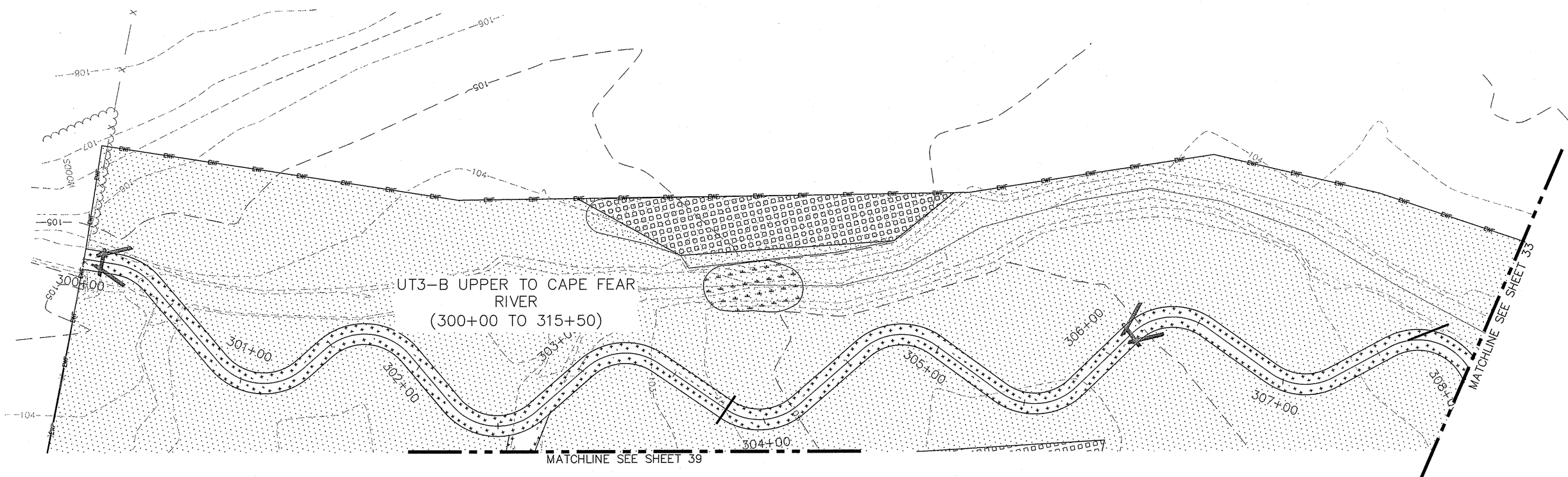
DATE: 02/25/08
 DRAWN BY: JIK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

PROJECT: **BEAVERDAM SWAMP
 STREAM AND WETLAND RESTORATION
 EBX NEUSE I, LLC**


The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 33

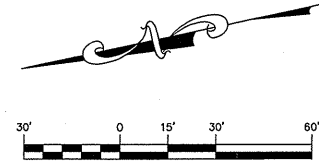
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|---------------|--------------------------------------------------------|----------------------|-------------------|------------------------|--------------|
| LEGEND | | SURVEY LEGEND | | PLANTING LEGEND | |
| 10+00 | PROPOSED BANK FULL | ROCK CROSS VANE | PROPERTY LINE | ZONE 1 | STREAM BANKS |
| ⊕ | PROPOSED CREEK | ROCK A-VANE | MAJOR CONTOURS | ZONE 2 | RIPARIAN |
| — — | PERMANENT CONSERVATION EASEMENT | ROCK VANE | MINOR CONTOURS | ZONE 3 | UPLAND |
| — — | PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING | LOG CROSS VANE | STREAM CENTERLINE | ZONE 4 | TO REMAIN |
| | | LOG SILL | TREELINE | | |
| | | LOG VANE | EXISTING WETLAND | | |



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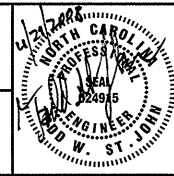
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PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 34

LEGEND

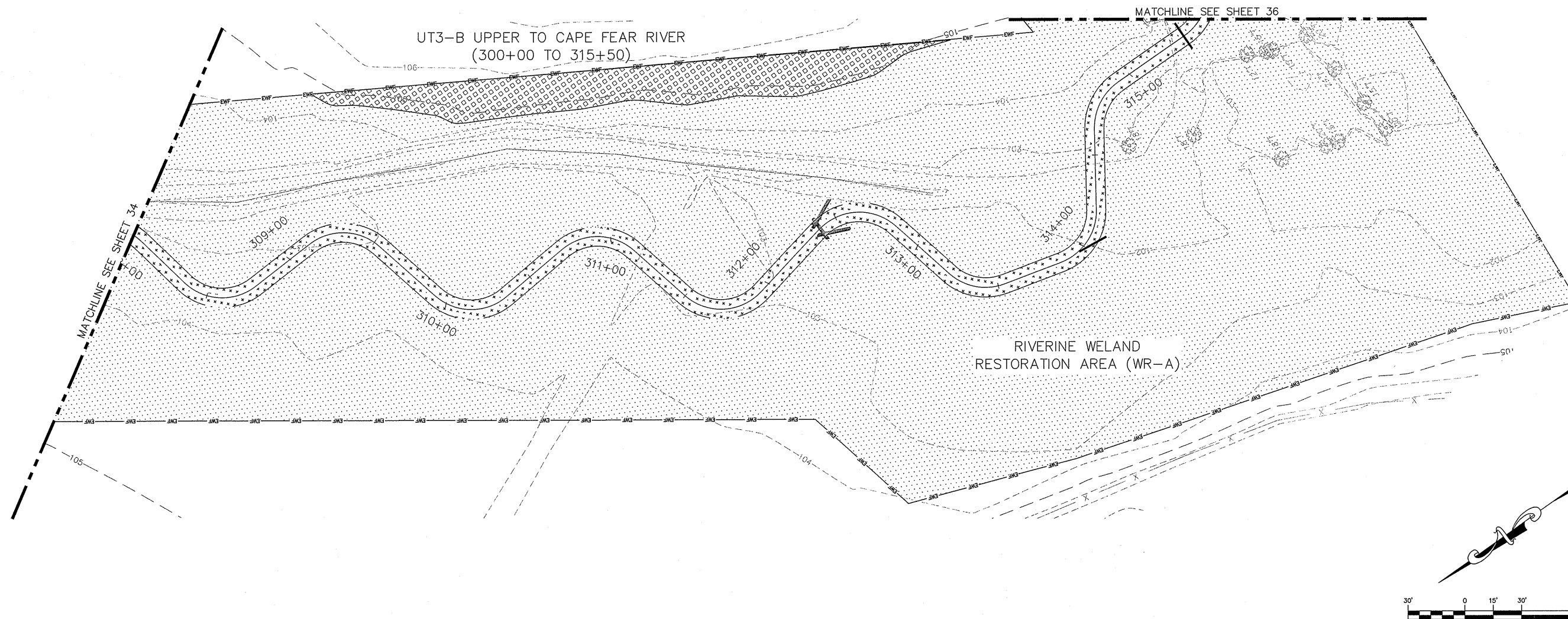
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	PROPOSED CREEK		ROCK A-VANE		LOG VANE
	PERMANENT CONSERVATION EASEMENT		ROCK VANE		
	PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING		LOG CROSS VANE		

SURVEY LEGEND

	PROPERTY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	STREAM CENTERLINE
	TREELINE
	EXISTING WETLAND

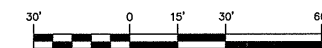
PLANTING LEGEND

ZONE 1		STREAM BANKS
ZONE 2		RIPARIAN
ZONE 3		UPLAND
ZONE 4		TO REMAIN



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DATE: 02/25/08

DRAWN BY: JIK

DESIGNED BY: RTL

CHECKED BY: TSJ

PROJECT: BEAVERDAM SWAMP STREAM AND WETLAND RESTORATION EBX NEUSE I, LLC

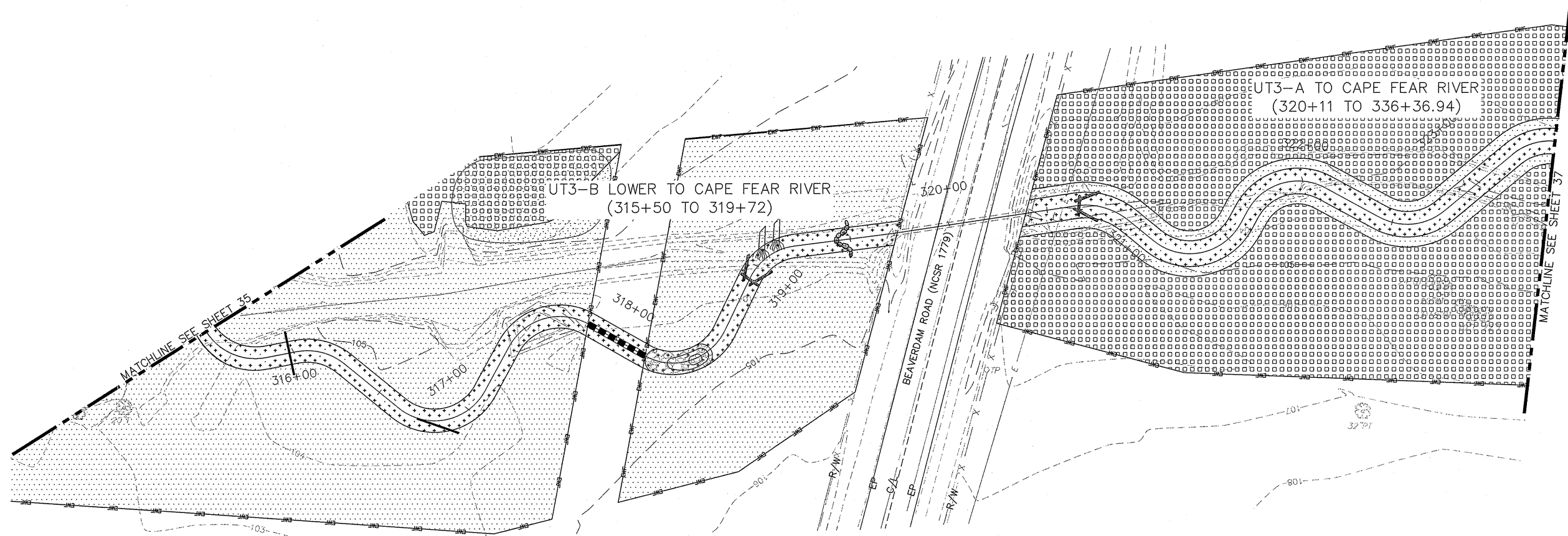
The record drawings represent the construction plans with adjustments made to represent constructed conditions.

JOB NUMBER: 012620010 SHEET NUMBER: 35

LEGEND	
	PROPOSED BANK FULL
	PROPOSED CREEK
	PERMANENT CONSERVATION EASEMENT
	PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING
	ROCK CROSS VANE
	ROCK A-VANE
	ROCK VANE
	LOG CROSS VANE
	LOG SILL
	LOG VANE

SURVEY LEGEND	
	PROPERTY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	STREAM CENTERLINE
	TREELINE
	EXISTING WETLAND

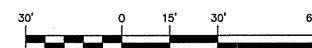
PLANTING LEGEND	
	ZONE 1 STREAM BANKS
	ZONE 2 RIPARIAN
	ZONE 3 UPLAND
	ZONE 4 TO REMAIN



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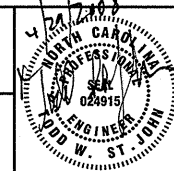
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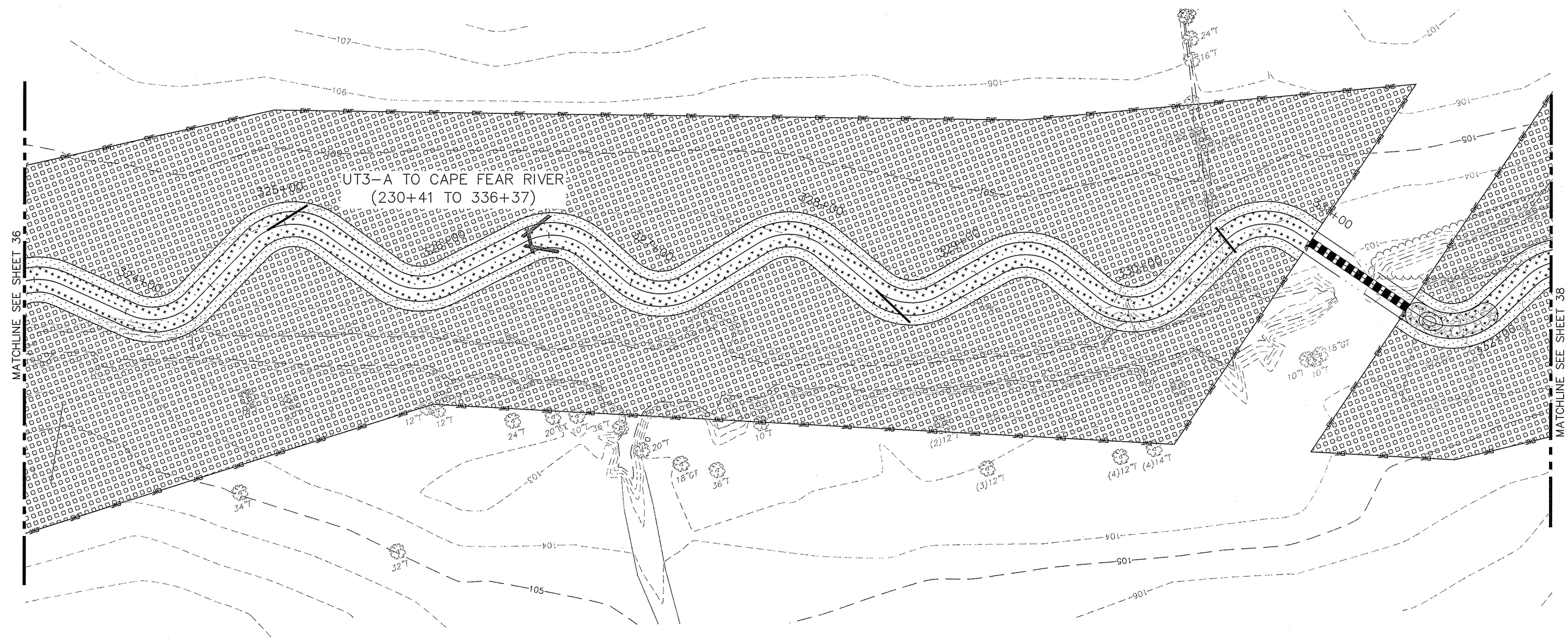
DATE: 02/25/08
DRAWN BY: JIK
DESIGNED BY: RTL
CHECKED BY: TSJ

PROJECT: **BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC**

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JOB NUMBER: 012620010 SHEET NUMBER: 36

LEGEND		SURVEY LEGEND		PLANTING LEGEND	
10+00	PROPOSED BANK FULL	ROCK CROSS VANE	PROPERTY LINE	ZONE 1	STREAM BANKS
⊙	PROPOSED CREEK	ROCK A-VANE	MAJOR CONTOURS	ZONE 2	RIPARIAN
—	PERMANENT CONSERVATION EASEMENT	ROCK VANE	MINOR CONTOURS	ZONE 3	STREAM CENTERLINE
—ew	PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING	LOG CROSS VANE	STREAM CENTERLINE	ZONE 4	UPLAND
		LOG SILL	TREELINE		TO REMAIN
		LOG VANE	EXISTING WETLAND		



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

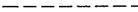








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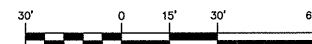
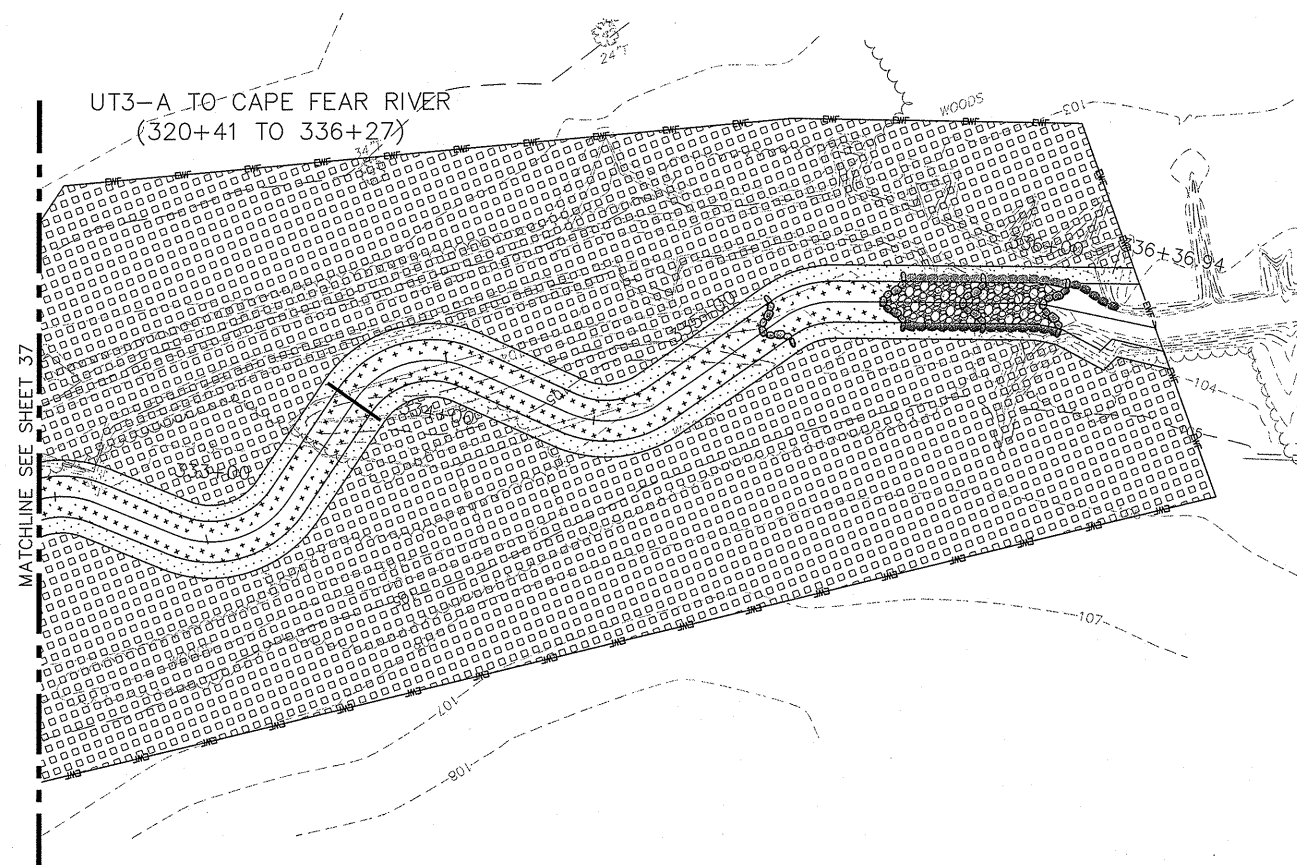
DATE: 02/25/08
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 DESIGNED BY: RTL
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 EBX NEUSE I, LLC

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JOB NUMBER: 012620010 SHEET NUMBER: 37

		LEGEND		SURVEY LEGEND		PLANTING LEGEND	
10+00 -----	PROPOSED BANK FULL		ROCK CROSS VANE		PROPERTY LINE	ZONE 1 	STREAM BANKS
-----	PROPOSED CREEK		ROCK A-VANE		MAJOR CONTOURS	ZONE 2 	RIPARIAN
-----	PERMANENT CONSERVATION EASEMENT		ROCK VANE		MINOR CONTOURS	ZONE 3 	UPLAND
-----	PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING		LOG CROSS VANE		STREAM CENTERLINE	ZONE 4 	TO REMAIN
			LOG SILL		TREELINE		
			LOG VANE		EXISTING WETLAND		



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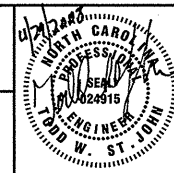
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 DRAWN BY: JIK
 DESIGNED BY: RTL
 CHECKED BY: TSJ

PROJECT: **BEAVERDAM SWAMP
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JOB NUMBER: 012620010 SHEET NUMBER: **38**

April 28, 2008 - 3:55pm By: jmk/mbt

T:\env\02282010\Beaverdam_Swamp_Restoration\0210_LDD.dwg\RECORD_SET_04-10-08\03-LEG_PLANS.dwg

LEGEND

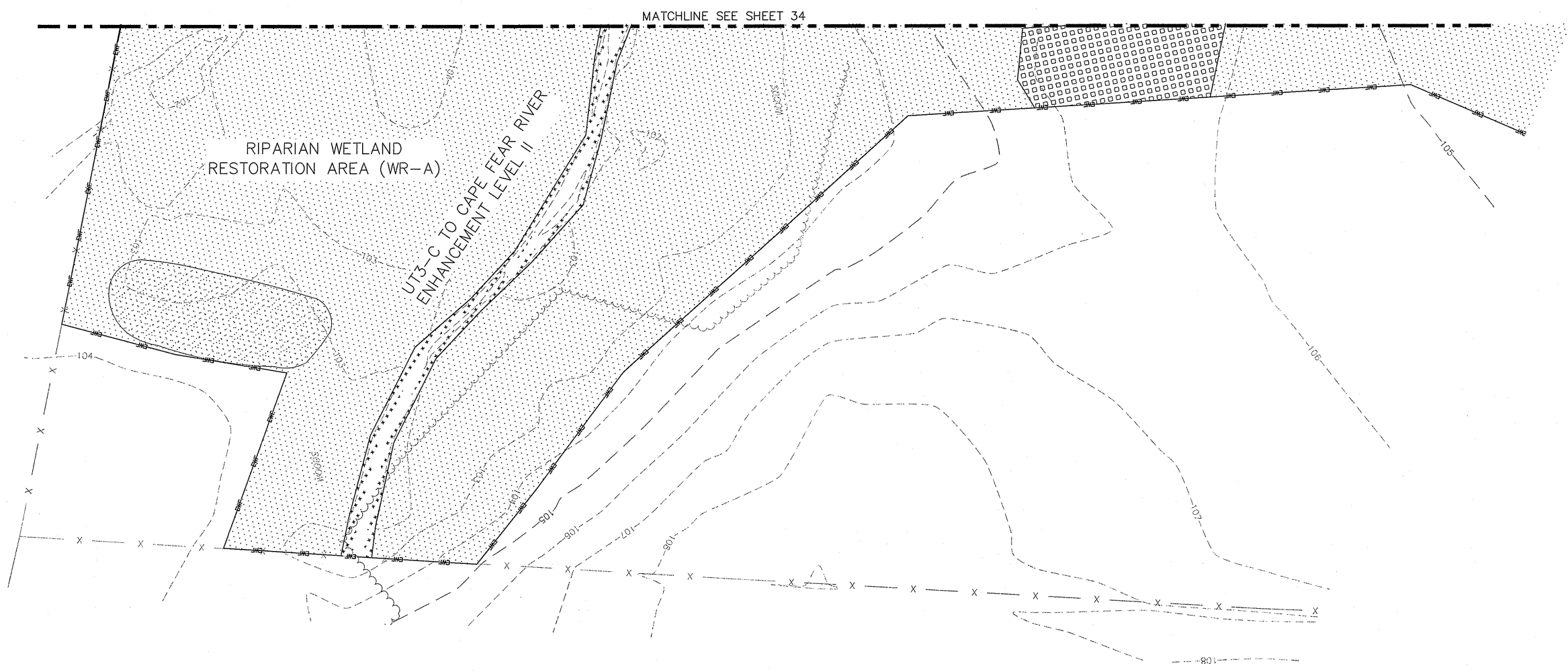
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	PROPOSED CREEK		ROCK A-VANE		LOG VANE
	PERMANENT CONSERVATION EASEMENT		ROCK VANE		
	PERMANENT CONSERVATION EASEMENT WITH LIVESTOCK FENCING		LOG CROSS VANE		

SURVEY LEGEND

	PROPERTY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	STREAM CENTERLINE
	TREELINE
	EXISTING WETLAND

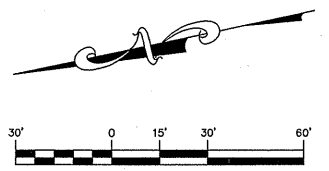
PLANTING LEGEND

ZONE 1		STREAM BANKS
ZONE 2		RIPARIAN
ZONE 3		UPLAND
ZONE 4		TO REMAIN



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DATE: 02/25/08

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CHECKED BY: TSJ

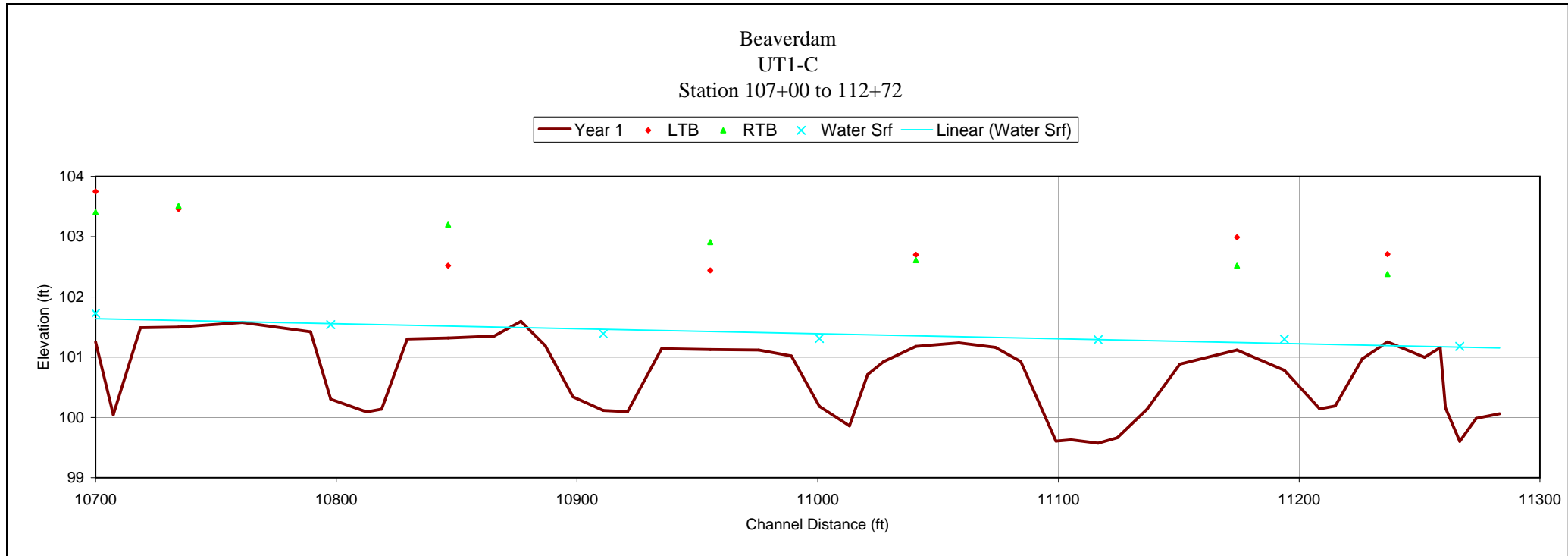
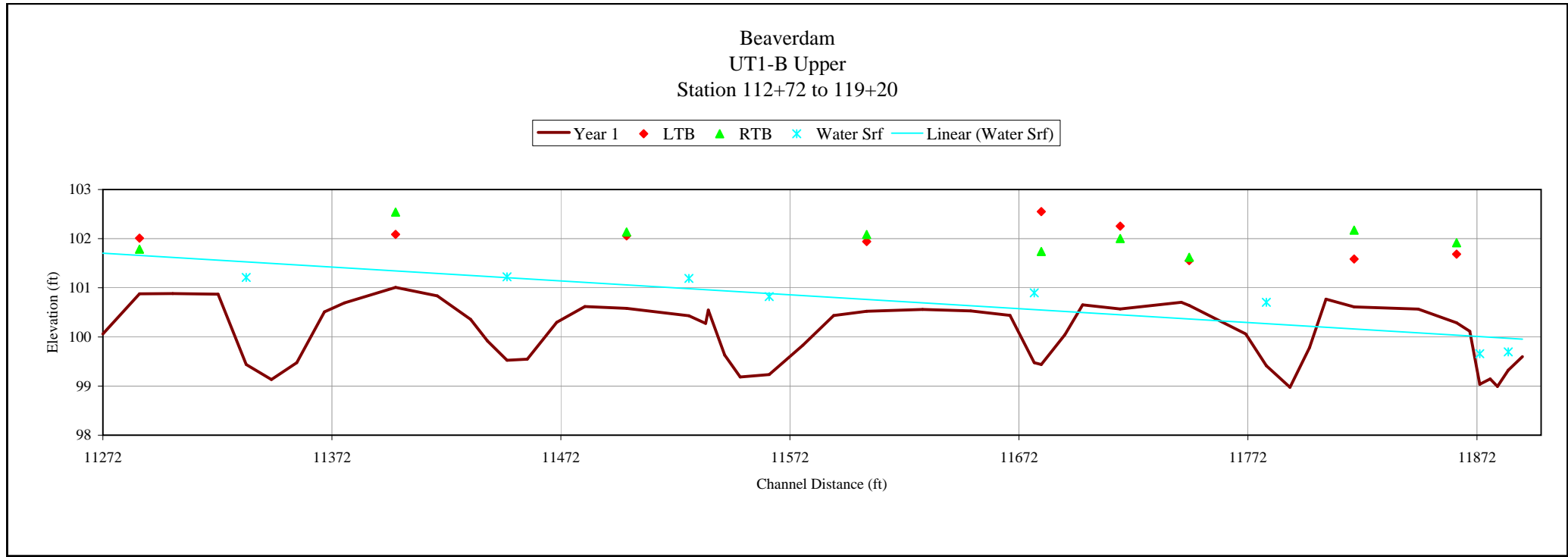
PROJECT: BEAVERDAM SWAMP
STREAM AND WETLAND RESTORATION
EBX NEUSE I, LLC

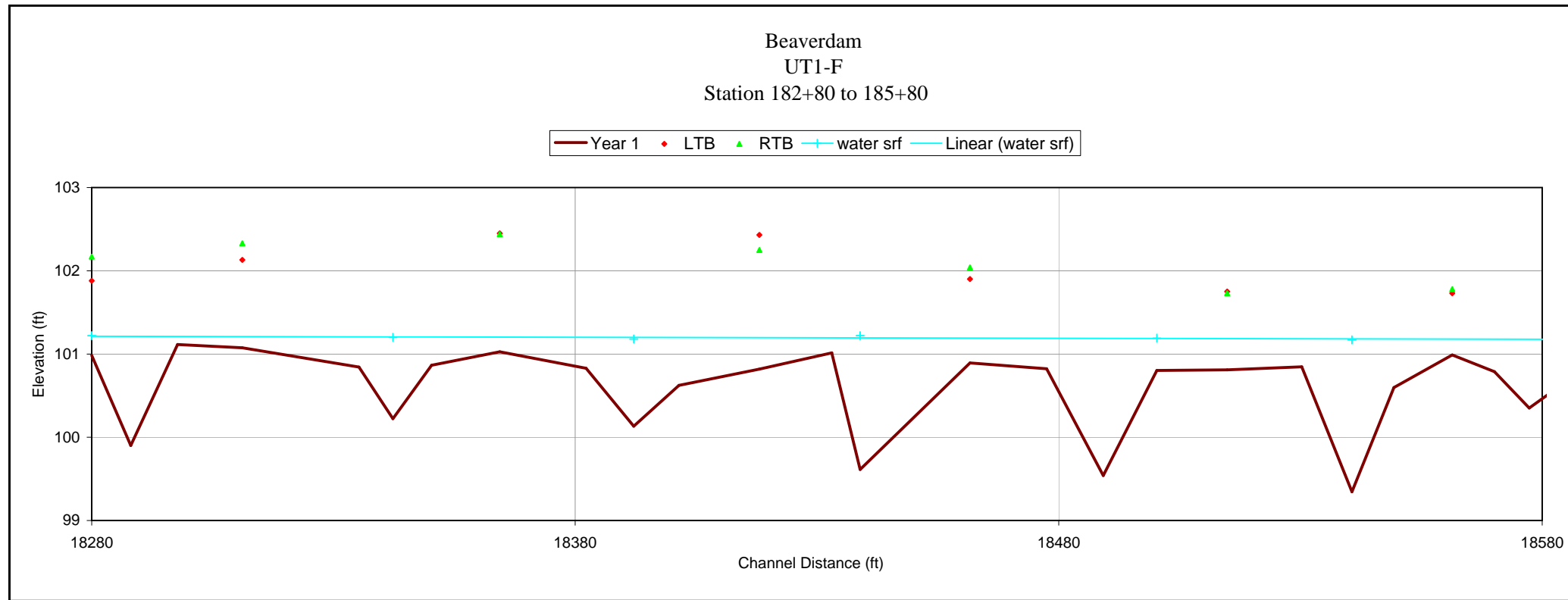
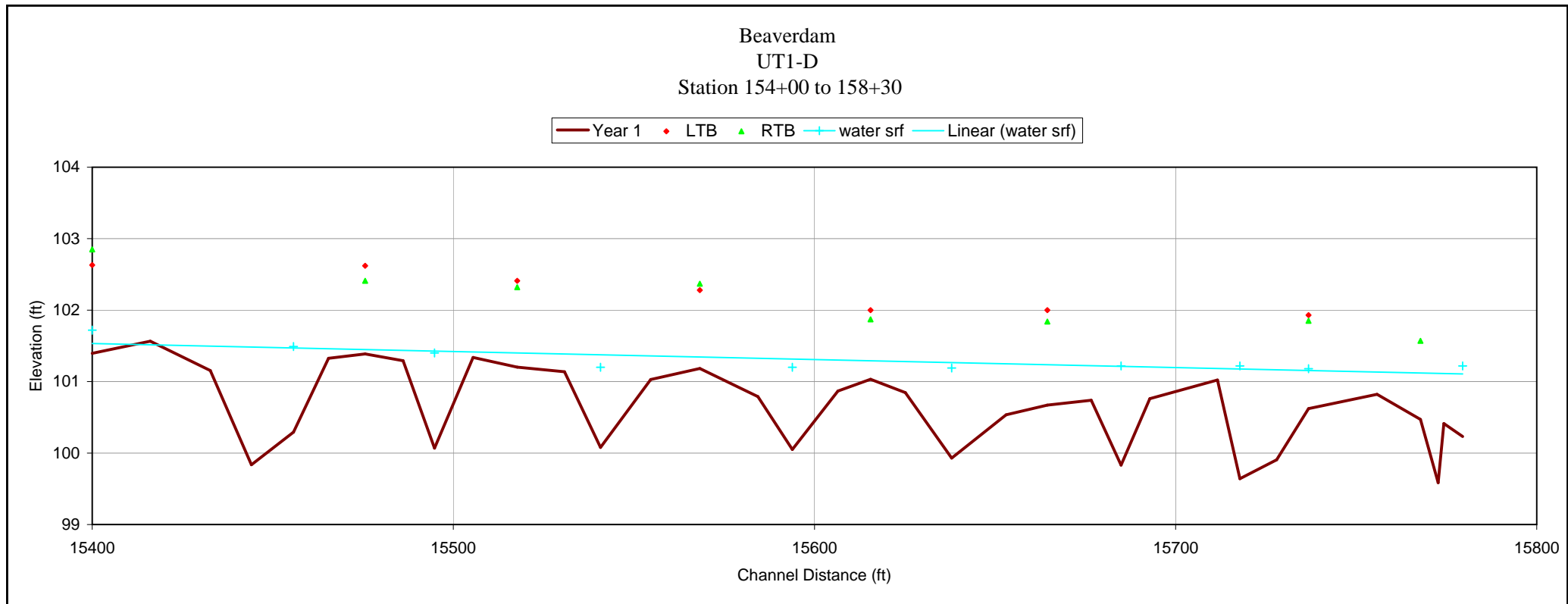
The record drawings represent the construction plans with adjustments made to represent constructed conditions.

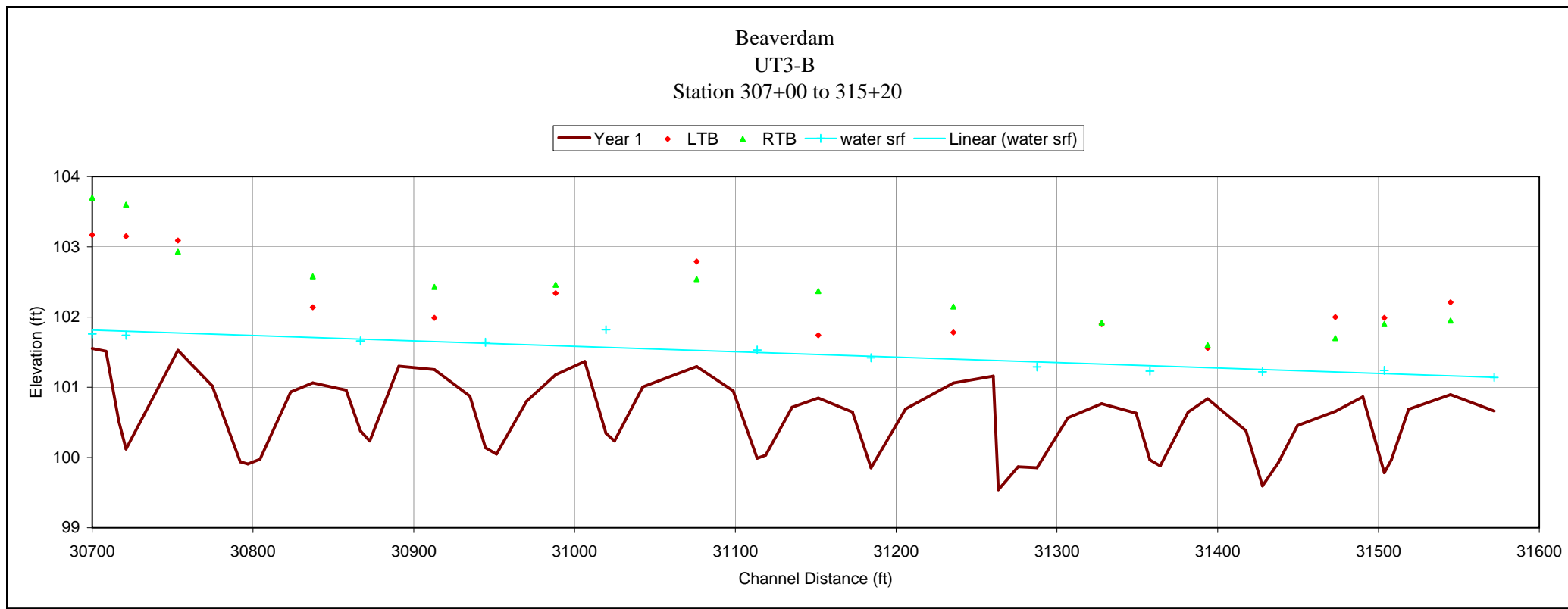
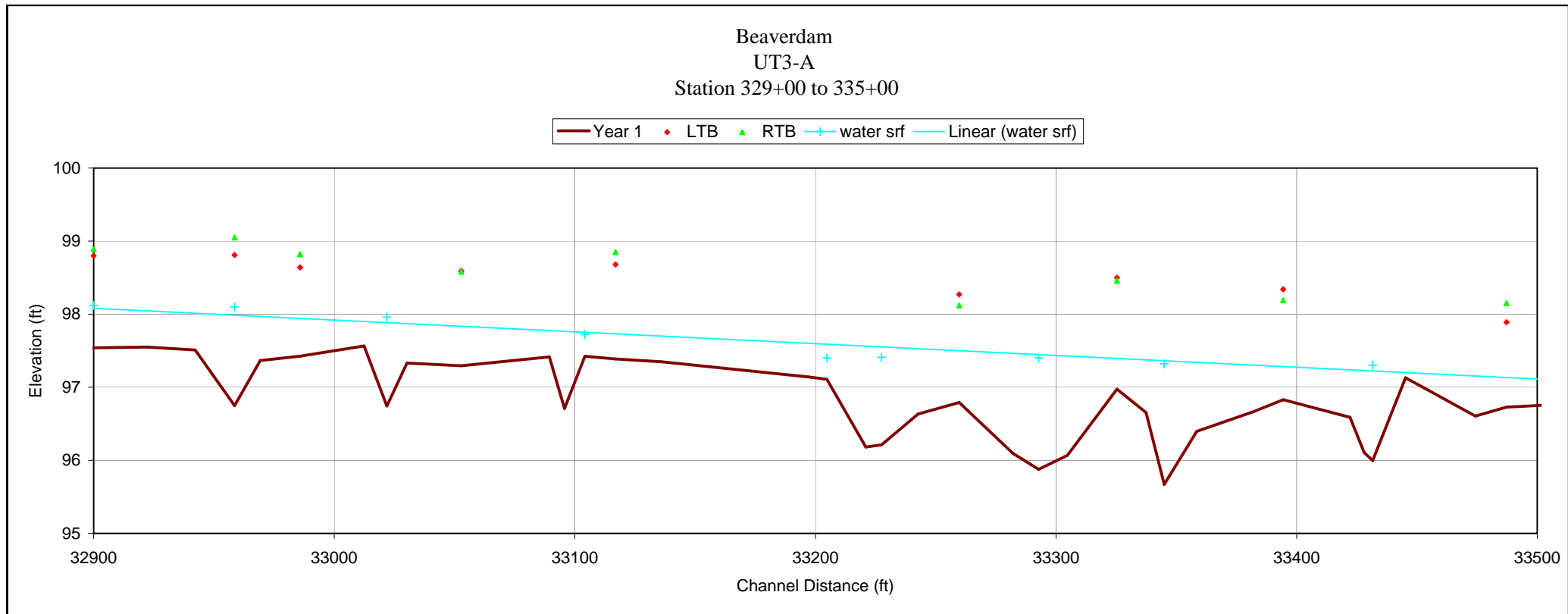
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APPENDIX B

2008 Profile and Cross Section Data







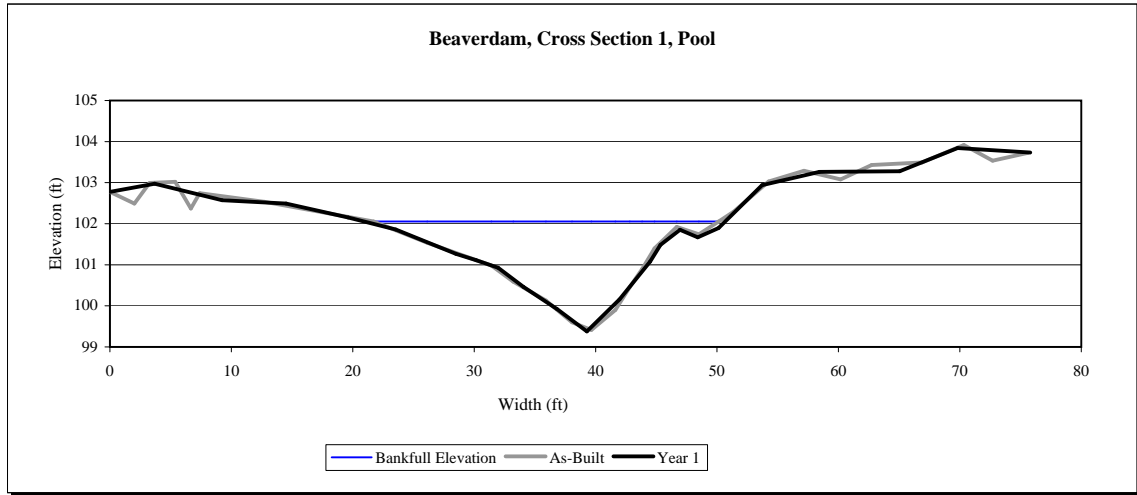
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



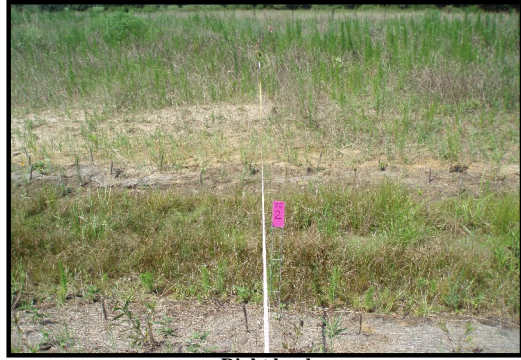
Right bank



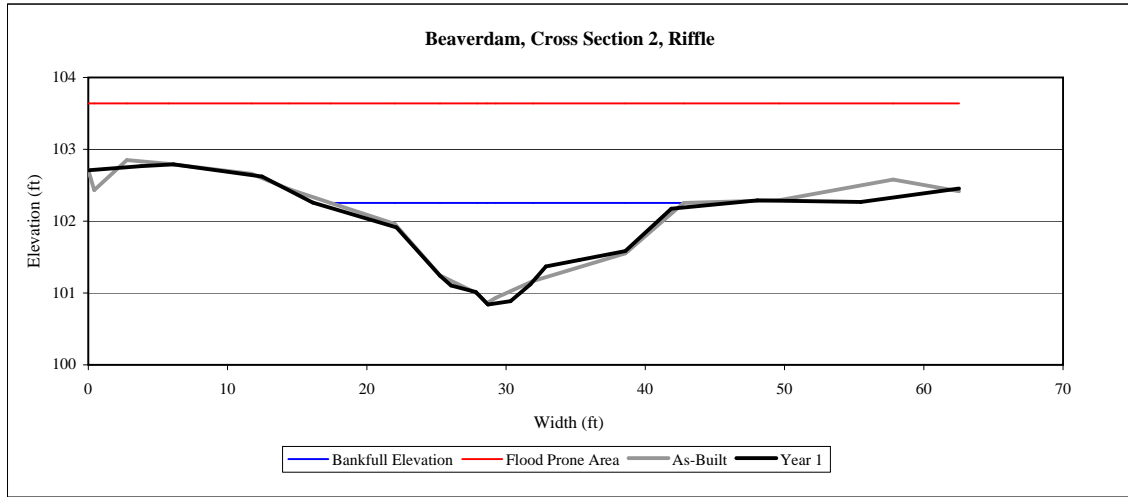
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Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



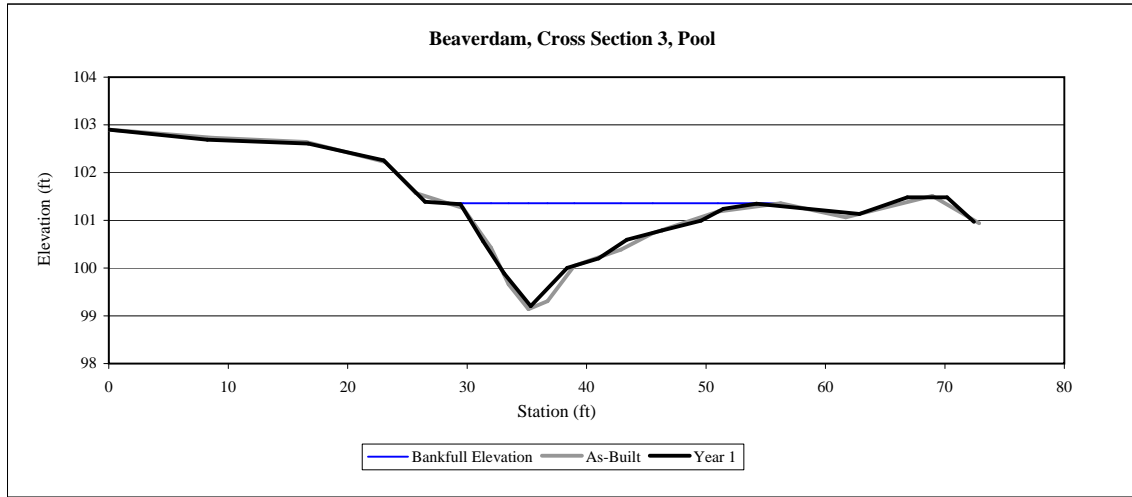
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



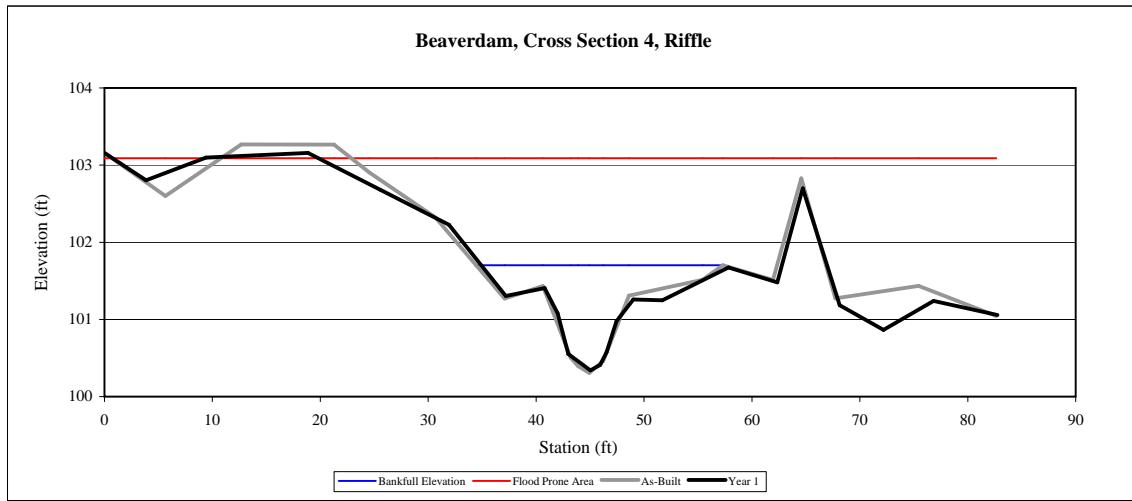
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



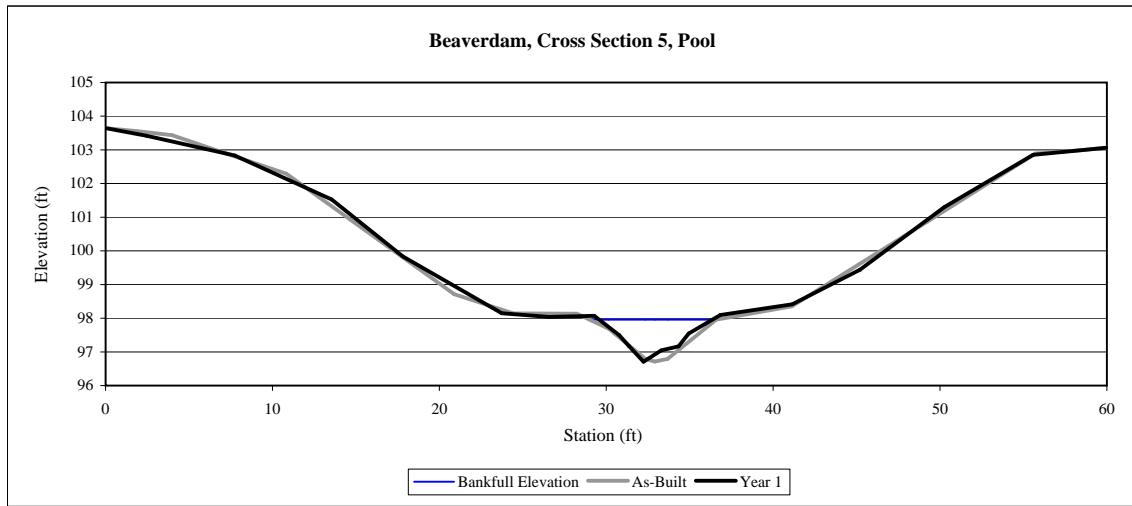
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



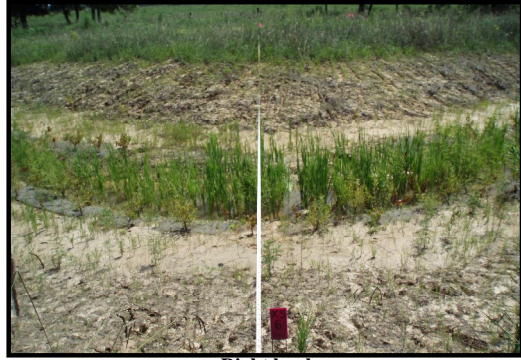
Right bank



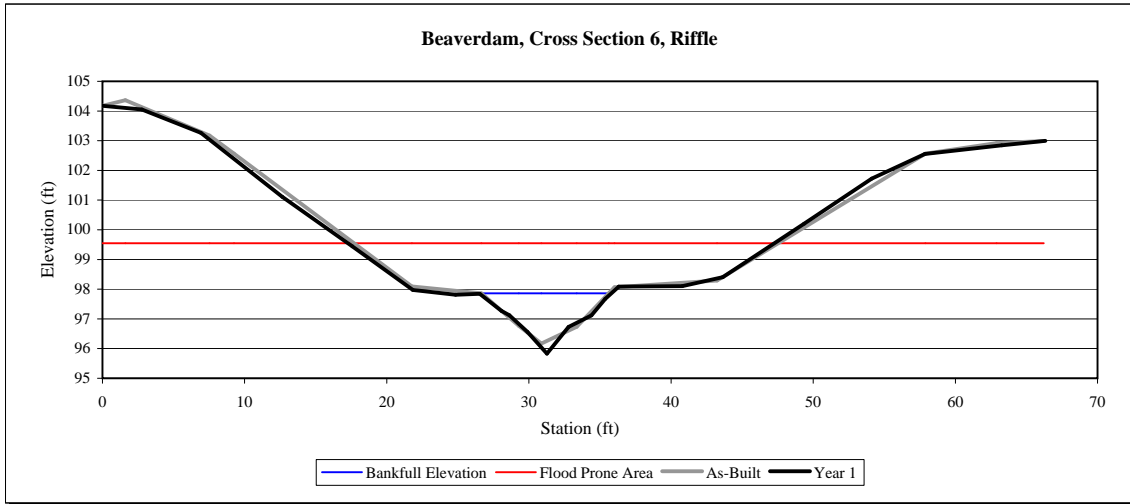
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



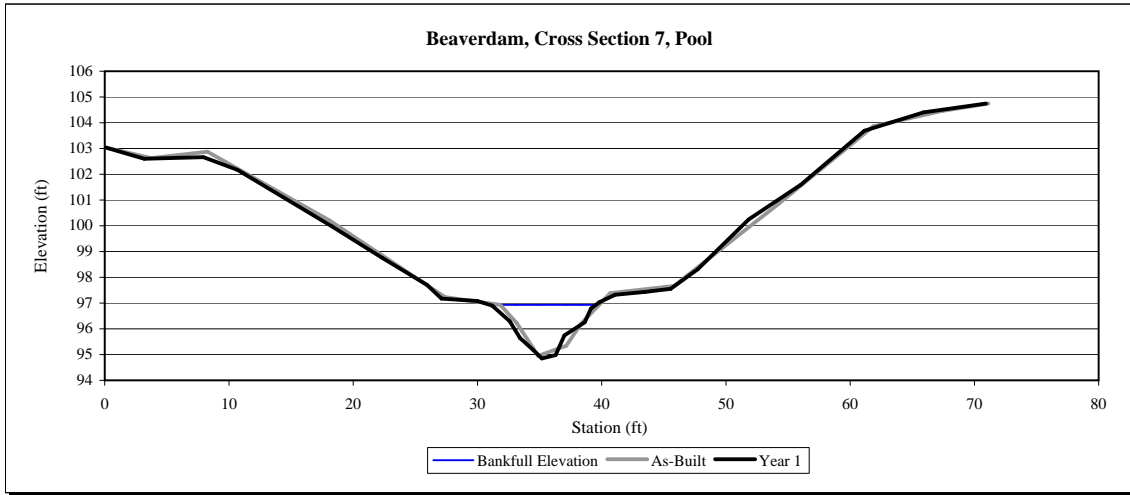
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



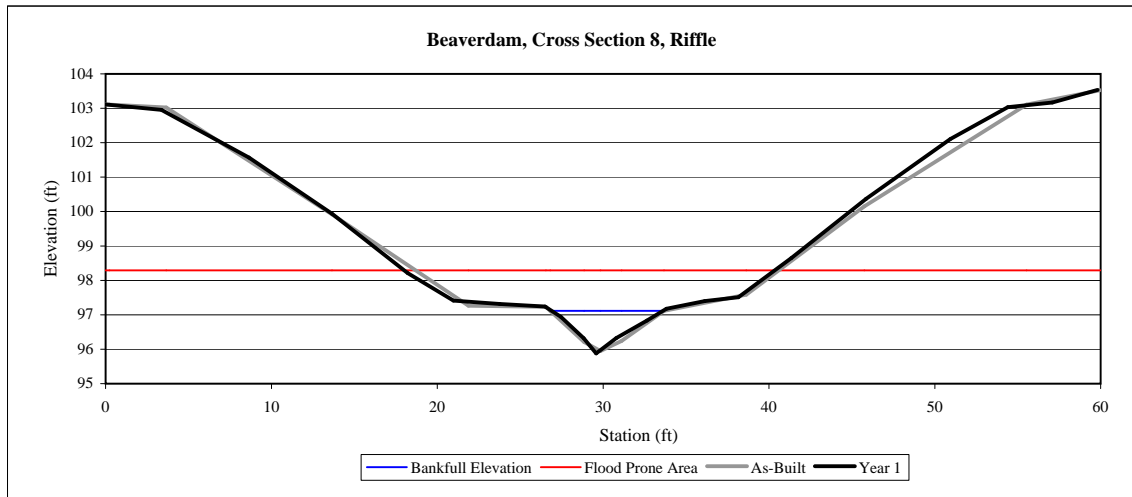
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



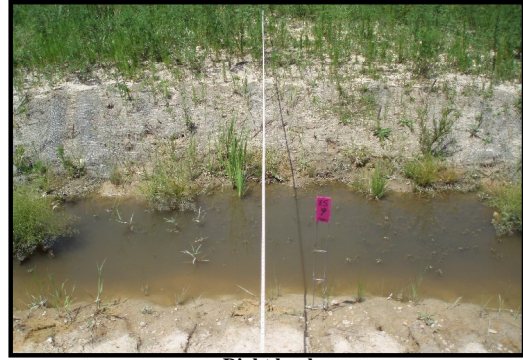
Right bank



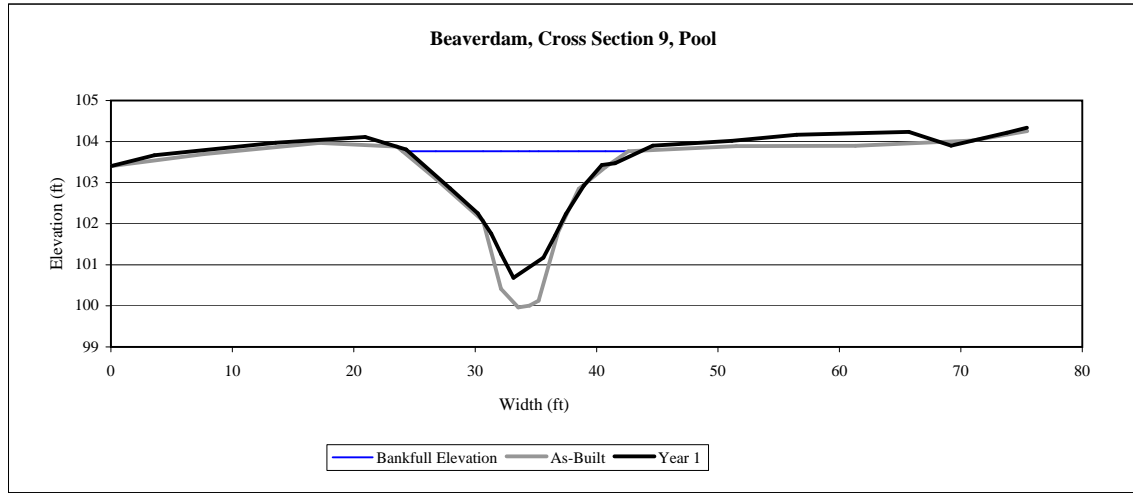
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



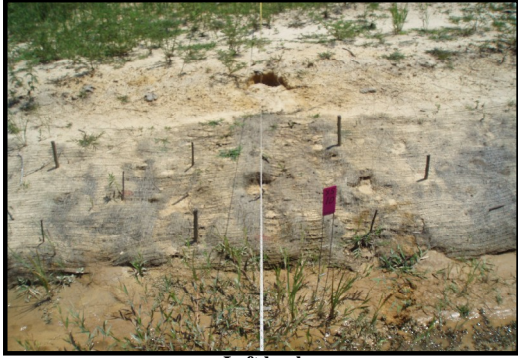
Left bank



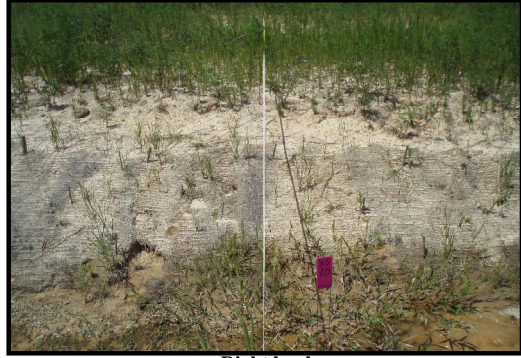
Right bank



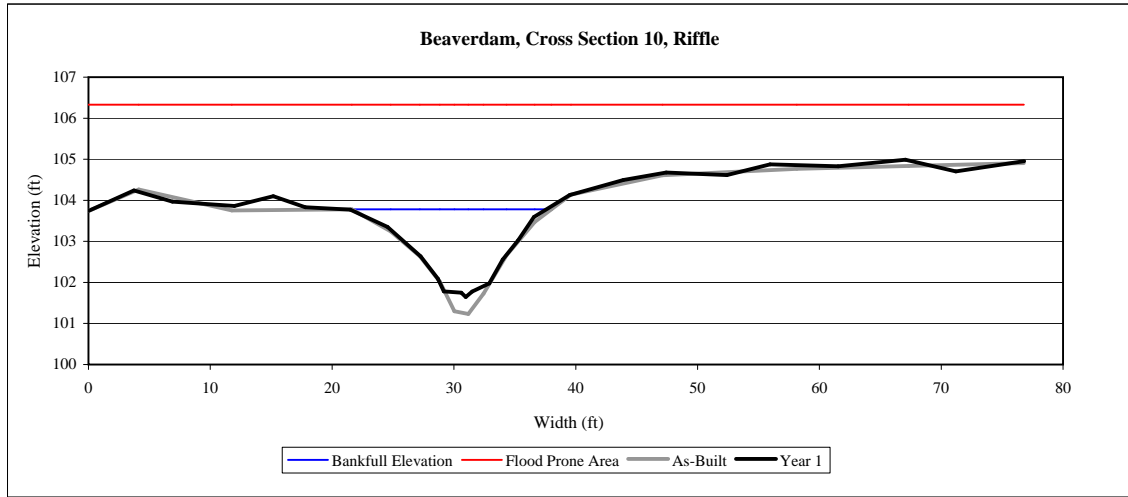
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



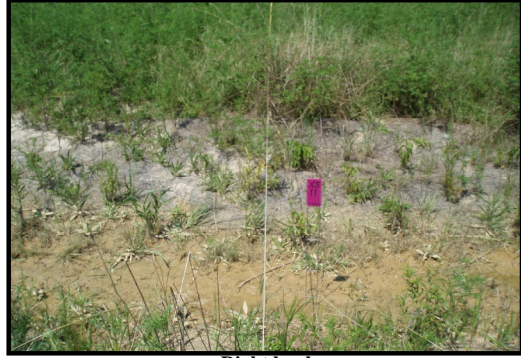
Right bank



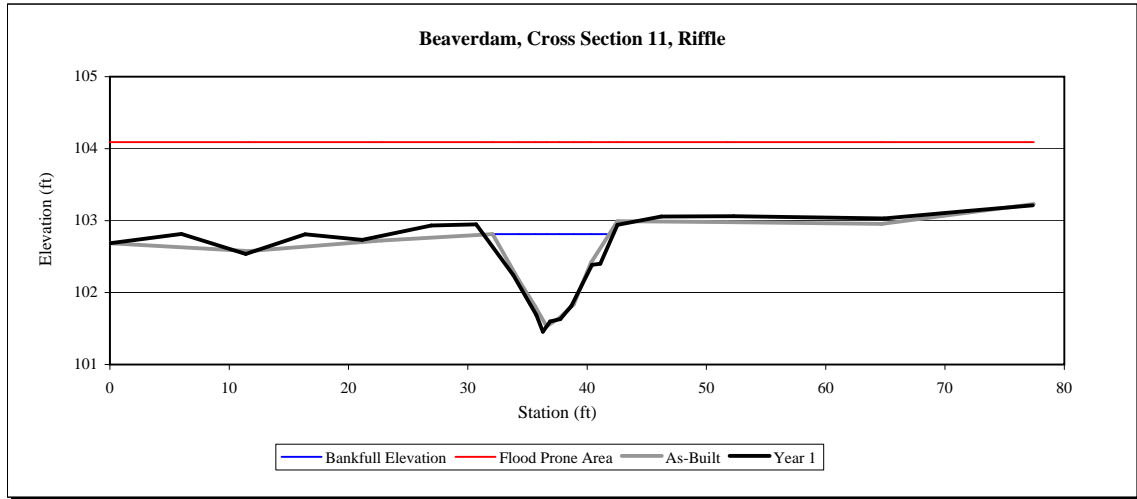
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



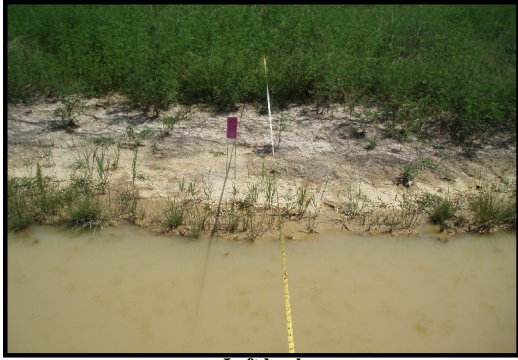
Left bank



Right bank



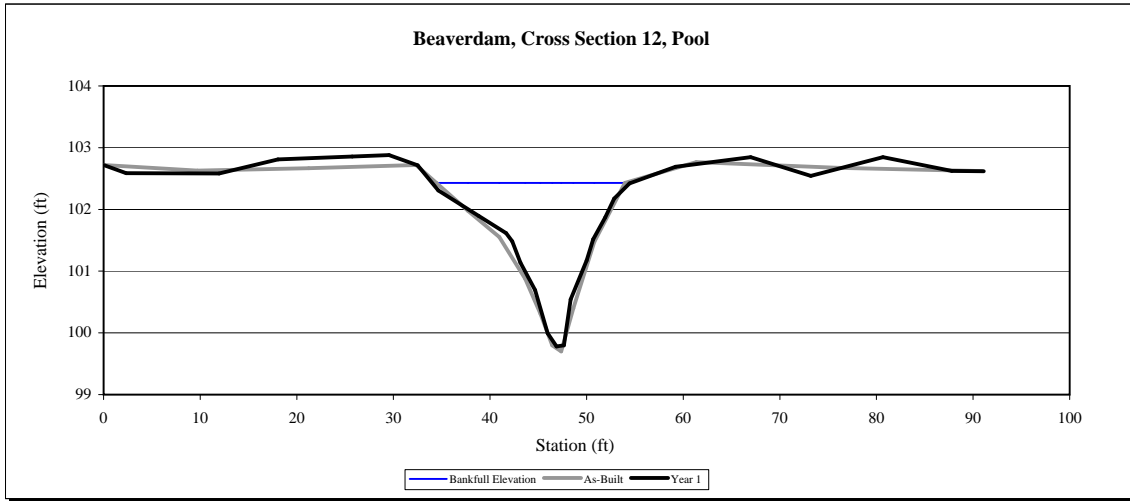
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



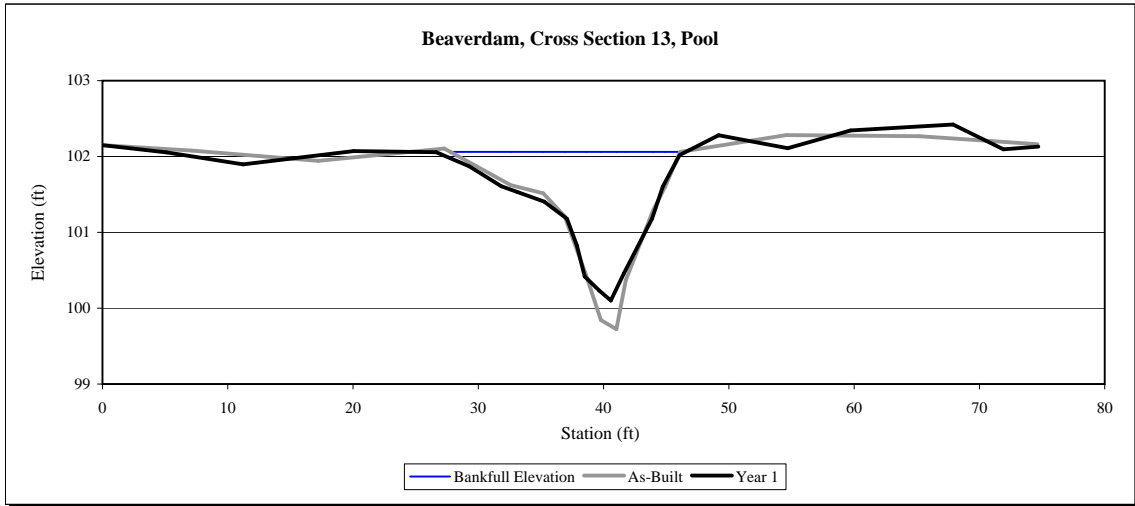
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



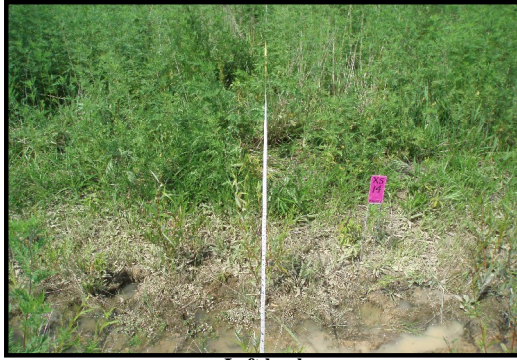
Left bank



Right bank



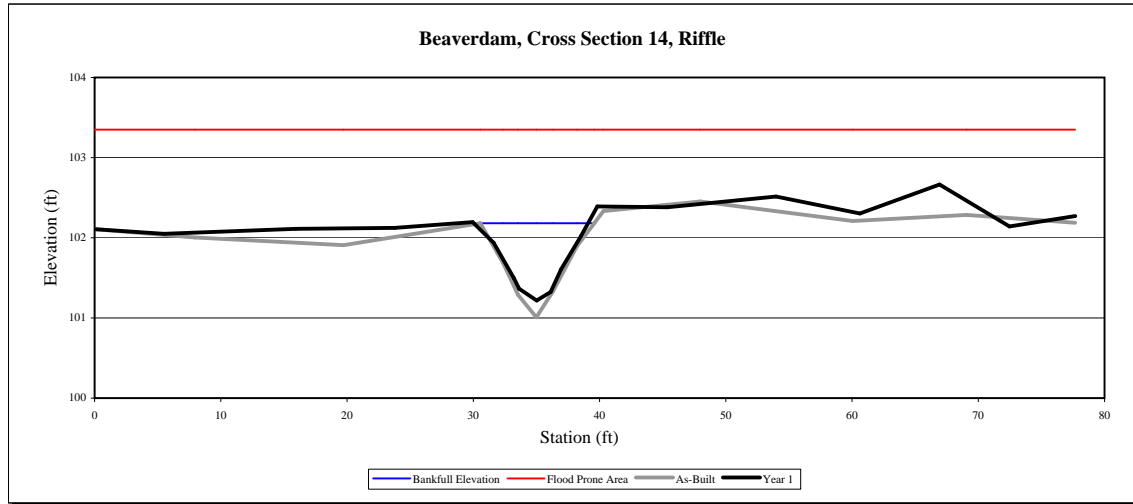
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



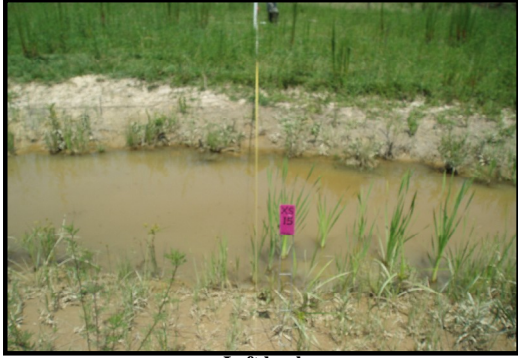
Left bank



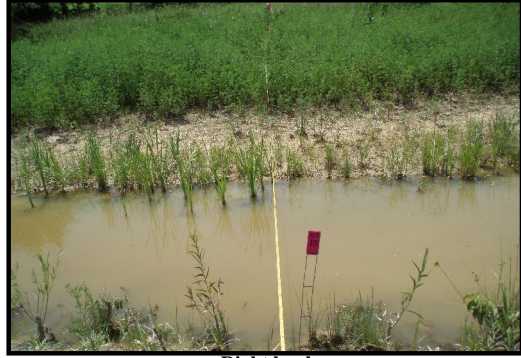
Right bank



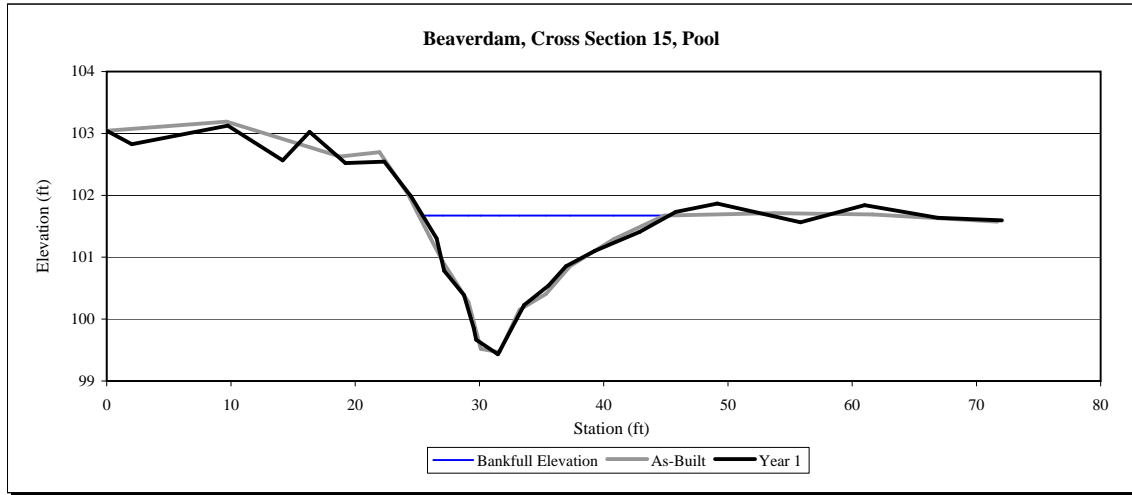
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



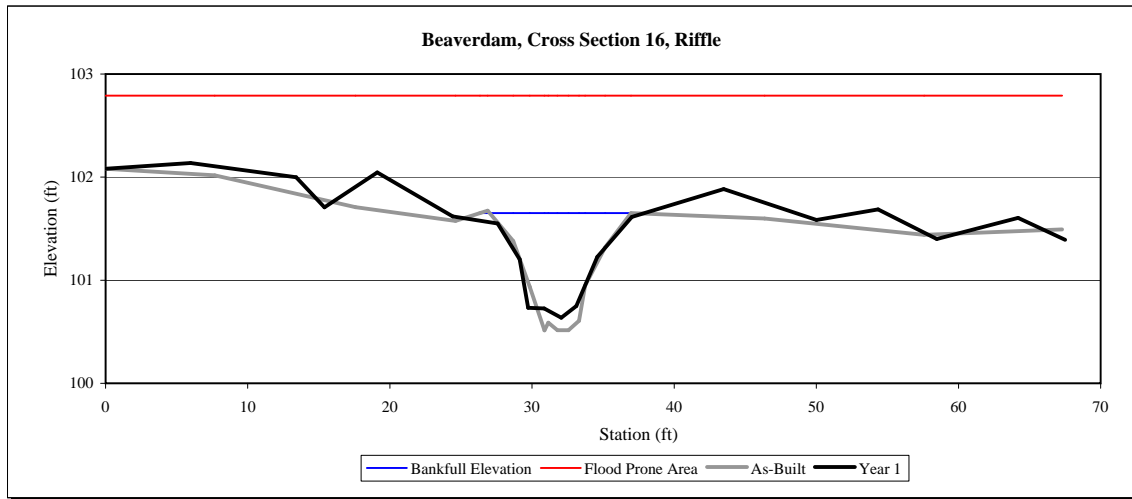
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



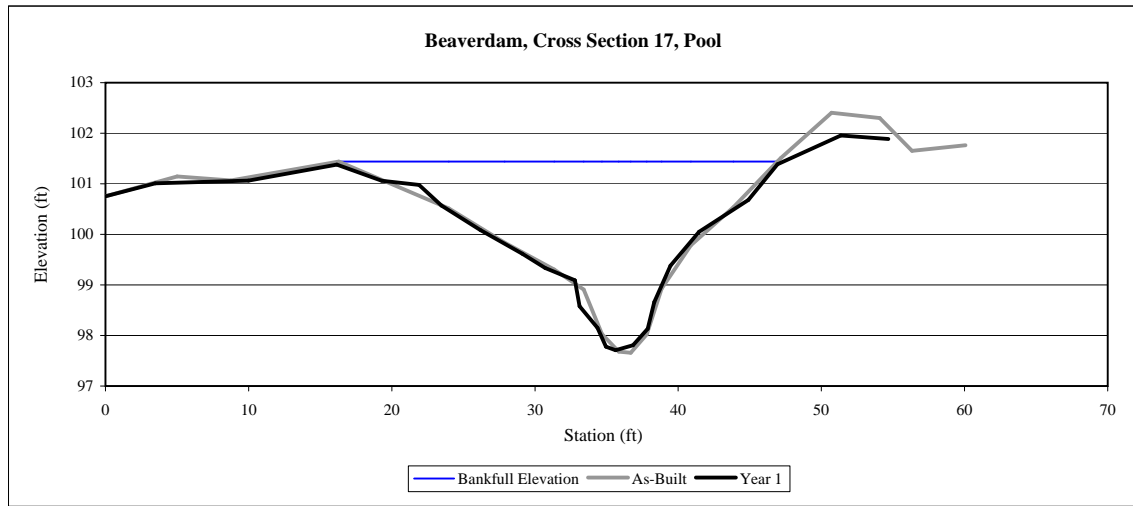
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



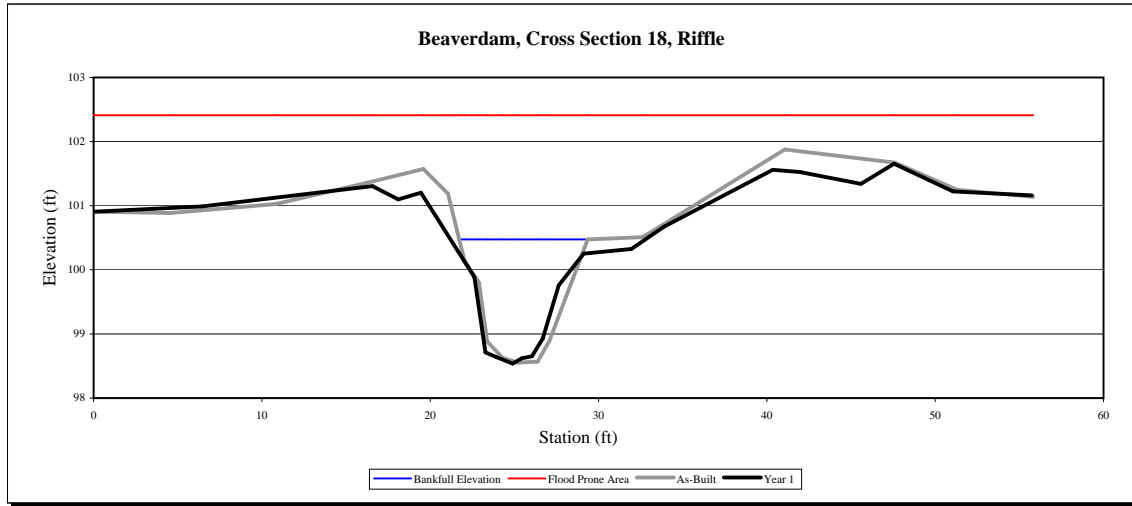
Left bank



Right bank



Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



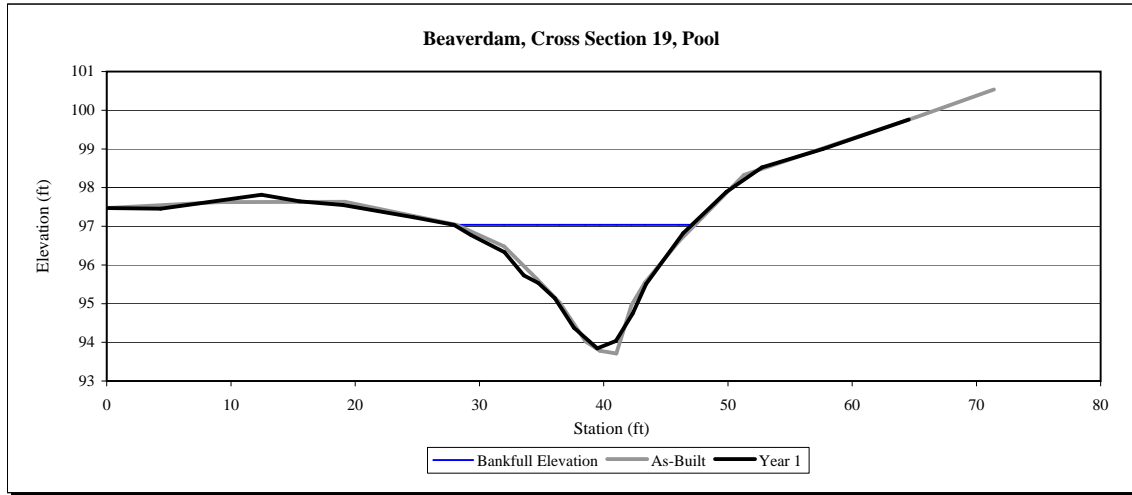
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



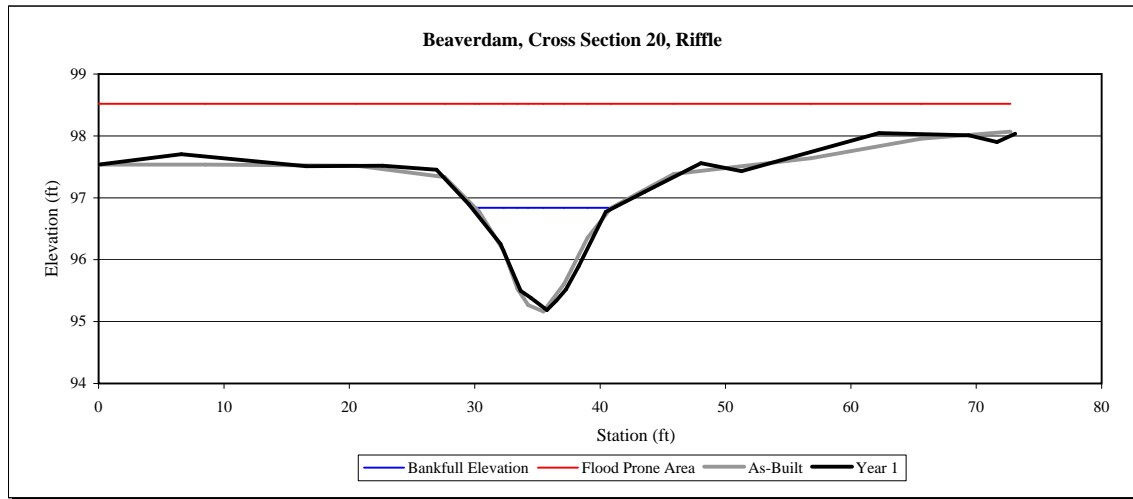
Beaverdam Mitigation Site
Annual Monitoring Report for 2008 (Year 1)



Left bank



Right bank



APPENDIX C

2008 Gauge Data

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
1-Jan-2008	06:00:00						
1-Jan-2008	12:00:00						
1-Jan-2008	18:00:00						
1-Jan-2008	24:00:00						
2-Jan-2008	06:00:00						
2-Jan-2008	12:00:00						
2-Jan-2008	18:00:00						
2-Jan-2008	24:00:00						
3-Jan-2008	06:00:00						
3-Jan-2008	12:00:00						
3-Jan-2008	18:00:00						
3-Jan-2008	24:00:00						
4-Jan-2008	06:00:00						
4-Jan-2008	12:00:00						
4-Jan-2008	18:00:00						
4-Jan-2008	24:00:00						
5-Jan-2008	06:00:00						
5-Jan-2008	12:00:00						
5-Jan-2008	18:00:00						
5-Jan-2008	24:00:00						
6-Jan-2008	06:00:00						
6-Jan-2008	12:00:00						
6-Jan-2008	18:00:00						
6-Jan-2008	24:00:00						
7-Jan-2008	06:00:00						
7-Jan-2008	12:00:00						
7-Jan-2008	18:00:00						
7-Jan-2008	24:00:00						
8-Jan-2008	06:00:00						
8-Jan-2008	12:00:00						
8-Jan-2008	18:00:00						
8-Jan-2008	24:00:00						
9-Jan-2008	06:00:00						
9-Jan-2008	12:00:00						
9-Jan-2008	18:00:00						
9-Jan-2008	24:00:00						
10-Jan-2008	06:00:00						
10-Jan-2008	12:00:00						
10-Jan-2008	18:00:00						
10-Jan-2008	24:00:00						
11-Jan-2008	06:00:00						
11-Jan-2008	12:00:00						
11-Jan-2008	18:00:00						
11-Jan-2008	24:00:00						
12-Jan-2008	06:00:00						
12-Jan-2008	12:00:00						
12-Jan-2008	18:00:00						
12-Jan-2008	24:00:00						
13-Jan-2008	06:00:00						
13-Jan-2008	12:00:00						

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
13-Jan-2008	18:00:00						
13-Jan-2008	24:00:00						
14-Jan-2008	06:00:00						
14-Jan-2008	12:00:00						
14-Jan-2008	18:00:00						
14-Jan-2008	24:00:00						
15-Jan-2008	06:00:00						
15-Jan-2008	12:00:00						
15-Jan-2008	18:00:00						
15-Jan-2008	24:00:00						
16-Jan-2008	06:00:00						
16-Jan-2008	12:00:00						
16-Jan-2008	18:00:00						
16-Jan-2008	24:00:00						
17-Jan-2008	06:00:00						
17-Jan-2008	12:00:00						
17-Jan-2008	18:00:00						
17-Jan-2008	24:00:00						
18-Jan-2008	06:00:00						
18-Jan-2008	12:00:00						
18-Jan-2008	18:00:00						
18-Jan-2008	24:00:00						
19-Jan-2008	06:00:00						
19-Jan-2008	12:00:00						
19-Jan-2008	18:00:00						
19-Jan-2008	24:00:00						
20-Jan-2008	06:00:00						
20-Jan-2008	12:00:00						
20-Jan-2008	18:00:00						
20-Jan-2008	24:00:00						
21-Jan-2008	06:00:00						
21-Jan-2008	12:00:00						
21-Jan-2008	18:00:00						
21-Jan-2008	24:00:00						
22-Jan-2008	06:00:00						
22-Jan-2008	12:00:00						
22-Jan-2008	18:00:00						
22-Jan-2008	24:00:00						
23-Jan-2008	06:00:00						
23-Jan-2008	12:00:00						
23-Jan-2008	18:00:00						
23-Jan-2008	24:00:00						
24-Jan-2008	06:00:00						
24-Jan-2008	12:00:00						
24-Jan-2008	18:00:00						
24-Jan-2008	24:00:00						
25-Jan-2008	06:00:00						
25-Jan-2008	12:00:00						
25-Jan-2008	18:00:00						
25-Jan-2008	24:00:00						

		Water Level (inches)					
Date	Time	BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
dd-mmm-yyyy	hh:mm:ss						
26-Jan-2008	06:00:00						
26-Jan-2008	12:00:00						
26-Jan-2008	18:00:00						
26-Jan-2008	24:00:00						
27-Jan-2008	06:00:00						
27-Jan-2008	12:00:00						
27-Jan-2008	18:00:00						
27-Jan-2008	24:00:00						
28-Jan-2008	06:00:00						
28-Jan-2008	12:00:00						
28-Jan-2008	18:00:00						
28-Jan-2008	24:00:00						
29-Jan-2008	06:00:00						
29-Jan-2008	12:00:00						
29-Jan-2008	18:00:00						
29-Jan-2008	24:00:00						
30-Jan-2008	06:00:00						
30-Jan-2008	12:00:00						
30-Jan-2008	18:00:00						
30-Jan-2008	24:00:00						
31-Jan-2008	06:00:00						
31-Jan-2008	12:00:00						
31-Jan-2008	18:00:00						
31-Jan-2008	24:00:00						
1-Feb-2008	06:00:00						
1-Feb-2008	12:00:00						
1-Feb-2008	18:00:00						
1-Feb-2008	24:00:00						
2-Feb-2008	06:00:00						
2-Feb-2008	12:00:00						
2-Feb-2008	18:00:00						
2-Feb-2008	24:00:00						
3-Feb-2008	06:00:00						
3-Feb-2008	12:00:00						
3-Feb-2008	18:00:00						
3-Feb-2008	24:00:00						
4-Feb-2008	06:00:00						
4-Feb-2008	12:00:00						
4-Feb-2008	18:00:00						
4-Feb-2008	24:00:00						
5-Feb-2008	06:00:00						
5-Feb-2008	12:00:00						
5-Feb-2008	18:00:00						
5-Feb-2008	24:00:00						
6-Feb-2008	06:00:00						
6-Feb-2008	12:00:00						
6-Feb-2008	18:00:00						
6-Feb-2008	24:00:00						
7-Feb-2008	06:00:00						
7-Feb-2008	12:00:00						

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
7-Feb-2008	18:00:00						
7-Feb-2008	24:00:00						
8-Feb-2008	06:00:00						
8-Feb-2008	12:00:00						
8-Feb-2008	18:00:00						
8-Feb-2008	24:00:00						
9-Feb-2008	06:00:00						
9-Feb-2008	12:00:00						
9-Feb-2008	18:00:00						
9-Feb-2008	24:00:00						
10-Feb-2008	06:00:00						
10-Feb-2008	12:00:00						
10-Feb-2008	18:00:00						
10-Feb-2008	24:00:00						
11-Feb-2008	06:00:00						
11-Feb-2008	12:00:00						
11-Feb-2008	18:00:00						
11-Feb-2008	24:00:00						
12-Feb-2008	06:00:00						
12-Feb-2008	12:00:00						
12-Feb-2008	18:00:00						
12-Feb-2008	24:00:00						
13-Feb-2008	06:00:00						
13-Feb-2008	12:00:00						
13-Feb-2008	18:00:00						
13-Feb-2008	24:00:00						
14-Feb-2008	06:00:00						
14-Feb-2008	12:00:00						
14-Feb-2008	18:00:00						
14-Feb-2008	24:00:00						
15-Feb-2008	06:00:00						
15-Feb-2008	12:00:00						
15-Feb-2008	18:00:00						
15-Feb-2008	24:00:00						
16-Feb-2008	06:00:00						
16-Feb-2008	12:00:00						
16-Feb-2008	18:00:00						
16-Feb-2008	24:00:00						
17-Feb-2008	06:00:00						
17-Feb-2008	12:00:00						
17-Feb-2008	18:00:00						
17-Feb-2008	24:00:00						
18-Feb-2008	06:00:00						
18-Feb-2008	12:00:00						
18-Feb-2008	18:00:00						
18-Feb-2008	24:00:00						
19-Feb-2008	06:00:00						
19-Feb-2008	12:00:00	-39.15	-40.87	-48.11	-43.71	-37.17	-33.28
19-Feb-2008	18:00:00	-38.82	-40.95	-48.06	-43.64	-36.96	-33.08
19-Feb-2008	24:00:00	-38.76	-40.77	-47.94	-43.50	-36.79	-32.99

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
20-Feb-2008	06:00:00	-39.05	-40.85	-47.96	-43.64	-36.97	-33.11
20-Feb-2008	12:00:00	-39.10	-40.79	-47.98	-43.55	-36.99	-33.24
20-Feb-2008	18:00:00	-38.81	-40.75	-48.05	-43.58	-36.88	-32.96
20-Feb-2008	24:00:00	-38.75	-40.69	-47.98	-43.57	-36.82	-32.88
21-Feb-2008	06:00:00	-38.94	-40.81	-47.96	-43.59	-36.87	-32.98
21-Feb-2008	12:00:00	-38.93	-40.77	-47.87	-43.57	-36.99	-33.08
21-Feb-2008	18:00:00	-38.79	-40.77	-47.96	-43.58	-36.96	-32.99
21-Feb-2008	24:00:00	-38.93	-40.77	-47.88	-43.61	-36.97	-33.12
22-Feb-2008	06:00:00	-39.05	-40.78	-47.92	-43.59	-36.93	-33.10
22-Feb-2008	12:00:00	-39.12	-40.87	-47.97	-43.62	-37.09	-33.20
22-Feb-2008	18:00:00	-38.97	-40.75	-47.91	-43.52	-36.96	-33.06
22-Feb-2008	24:00:00	-38.85	-40.66	-47.90	-43.39	-36.81	-32.95
23-Feb-2008	06:00:00	-38.85	-40.58	-47.82	-43.52	-36.82	-32.96
23-Feb-2008	12:00:00	-38.77	-40.61	-47.80	-43.49	-36.82	-32.98
23-Feb-2008	18:00:00	-38.79	-40.76	-47.96	-43.57	-36.90	-32.96
23-Feb-2008	24:00:00	-38.70	-40.69	-47.92	-43.56	-36.88	-32.89
24-Feb-2008	06:00:00	-38.75	-40.72	-47.84	-43.50	-36.84	-32.89
24-Feb-2008	12:00:00	-38.92	-40.88	-48.00	-43.58	-36.97	-33.18
24-Feb-2008	18:00:00	-38.91	-40.77	-47.94	-43.52	-36.92	-33.10
24-Feb-2008	24:00:00	-38.77	-40.70	-47.90	-43.49	-36.80	-33.01
25-Feb-2008	06:00:00	-38.91	-40.81	-47.84	-43.53	-36.92	-33.18
25-Feb-2008	12:00:00	-38.91	-40.85	-47.90	-43.58	-36.96	-33.12
25-Feb-2008	18:00:00	-38.69	-40.77	-47.85	-43.47	-36.84	-32.93
25-Feb-2008	24:00:00	-38.76	-40.84	-47.94	-43.61	-36.91	-32.98
26-Feb-2008	06:00:00	-38.99	-40.83	-47.98	-43.59	-36.94	-32.99
26-Feb-2008	12:00:00	-38.94	-40.77	-48.00	-43.64	-36.99	-33.01
26-Feb-2008	18:00:00	-38.67	-40.87	-48.00	-43.46	-36.94	-33.01
26-Feb-2008	24:00:00	-38.68	-40.81	-47.96	-43.39	-36.94	-32.90
27-Feb-2008	06:00:00	-38.70	-40.71	-47.80	-43.47	-36.81	-32.86
27-Feb-2008	12:00:00	-38.82	-40.61	-47.78	-43.34	-36.86	-33.01
27-Feb-2008	18:00:00	-38.63	-40.67	-47.97	-43.49	-36.90	-33.04
27-Feb-2008	24:00:00	-40.26	-42.35	-12.65	-22.08	-38.55	-34.70
28-Feb-2008	06:00:00	-44.08	-45.82	-13.26	-22.70	-42.06	-38.39
28-Feb-2008	12:00:00	-44.41	-46.09	-13.61	-23.27	-42.38	-38.53
28-Feb-2008	18:00:00	-38.56	-40.52	-13.88	-23.59	-36.57	-32.76
28-Feb-2008	24:00:00	-38.17	-40.15	-13.24	-23.76	-36.19	-32.26
29-Feb-2008	06:00:00	-38.26	-40.16	-13.38	-23.99	-36.16	-32.44
29-Feb-2008	12:00:00	-38.27	-39.98	-13.42	-24.25	-36.14	-32.44
29-Feb-2008	18:00:00	-37.42	-39.39	-13.41	-24.32	-35.52	-31.72
29-Feb-2008	24:00:00	-43.73	-45.67	-13.17	-24.19	-42.01	-37.91
1-Mar-2008	06:00:00	-44.45	-46.28	-13.29	-24.57	-42.62	-38.71
1-Mar-2008	12:00:00	-44.25	-46.06	-13.34	-24.63	-42.31	-38.42
1-Mar-2008	18:00:00	-43.67	-45.80	-13.31	-24.71	-41.96	-38.02
1-Mar-2008	24:00:00	-43.35	-45.38	-13.24	-24.89	-41.61	-37.46
2-Mar-2008	06:00:00	-43.87	-45.58	-13.29	-25.40	-41.90	-37.94
2-Mar-2008	12:00:00	-43.87	-45.63	-13.40	-25.79	-42.00	-37.97
2-Mar-2008	18:00:00	-43.75	-45.82	-13.52	-26.16	-42.01	-38.06
2-Mar-2008	24:00:00	-43.39	-45.51	-13.25	-26.00	-41.74	-37.69
3-Mar-2008	06:00:00	-43.85	-45.70	-13.41	-26.31	-42.08	-38.17
3-Mar-2008	12:00:00	-43.93	-45.65	-13.37	-26.21	-42.04	-38.12

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
3-Mar-2008	18:00:00	-43.21	-45.47	-13.61	-26.30	-41.59	-37.68
3-Mar-2008	24:00:00	-43.48	-45.70	-13.47	-25.79	-41.76	-37.78
4-Mar-2008	06:00:00	-43.33	-45.53	-13.46	-25.75	-41.74	-37.61
4-Mar-2008	12:00:00	-43.29	-45.52	-13.34	-25.81	-41.71	-37.74
4-Mar-2008	18:00:00	-38.50	-40.71	-13.52	-25.95	-36.90	-32.95
4-Mar-2008	24:00:00	-41.22	-43.47	-13.00	-25.38	-39.70	-35.46
5-Mar-2008	06:00:00	-41.16	-43.21	-11.90	-11.18	-39.48	-35.32
5-Mar-2008	12:00:00	-41.63	-43.41	-11.74	-18.29	-39.63	-35.76
5-Mar-2008	18:00:00	-38.47	-40.71	-11.84	-22.94	-36.93	-33.01
5-Mar-2008	24:00:00	-4.35	-40.73	-12.06	-24.41	-36.90	-33.00
6-Mar-2008	06:00:00	-5.31	-40.75	-12.21	-25.38	-36.92	-32.96
6-Mar-2008	12:00:00	-5.73	-35.45	-12.38	-26.24	-36.94	-33.10
6-Mar-2008	18:00:00	-6.19	-28.10	-12.41	-26.67	-36.91	-33.04
6-Mar-2008	24:00:00	-6.49	-24.61	-12.46	-26.95	-36.86	-32.92
7-Mar-2008	06:00:00	-6.79	-23.13	-12.58	-27.44	-36.90	-32.94
7-Mar-2008	12:00:00	-6.35	-21.63	-12.60	-27.56	-36.84	-32.96
7-Mar-2008	18:00:00	-1.60	-19.39	-12.41	-27.39	-36.90	-33.07
7-Mar-2008	24:00:00	0.75	-16.05	-9.81	-9.48	-36.94	-32.98
8-Mar-2008	06:00:00	-1.00	-15.23	-10.38	-16.76	-36.88	-33.00
8-Mar-2008	12:00:00	-0.99	-14.90	-10.56	-22.14	-36.86	-33.00
8-Mar-2008	18:00:00	-2.17	-14.78	-10.88	-22.79	-36.86	-32.98
8-Mar-2008	24:00:00	-5.43	-15.88	-11.24	-24.62	-36.92	-32.87
9-Mar-2008	06:00:00	-6.41	-16.28	-11.44	-25.61	-36.90	-33.02
9-Mar-2008	12:00:00	-6.88	-16.24	-11.72	-26.49	-36.88	-33.04
9-Mar-2008	18:00:00	-6.90	-15.87	-11.78	-26.83	-36.82	-33.05
9-Mar-2008	24:00:00	-6.97	-15.82	-11.84	-27.08	-36.86	-32.95
10-Mar-2008	06:00:00	-7.03	-16.58	-11.96	-27.49	-36.91	-33.02
10-Mar-2008	12:00:00	-7.15	-16.81	-12.11	-27.85	-36.92	-33.00
10-Mar-2008	18:00:00	-6.88	-16.66	-12.12	-27.91	-36.94	-33.06
10-Mar-2008	24:00:00	-7.09	-16.70	-12.09	-27.91	-36.80	-32.92
11-Mar-2008	06:00:00	-6.65	-17.50	-12.11	-27.93	-36.86	-32.89
11-Mar-2008	12:00:00	-7.00	-18.34	-12.40	-28.22	-36.82	-33.01
11-Mar-2008	18:00:00	-7.02	-18.97	-12.39	-28.10	-36.88	-33.01
11-Mar-2008	24:00:00	-6.89	-18.95	-12.18	-28.01	-36.84	-32.98
12-Mar-2008	06:00:00	-6.57	-19.57	-12.21	-28.08	-36.75	-32.92
12-Mar-2008	12:00:00	-7.08	-20.24	-12.39	-28.31	-36.81	-32.92
12-Mar-2008	18:00:00	-7.68	-21.23	-12.65	-28.56	-36.90	-33.05
12-Mar-2008	24:00:00	-8.19	-21.58	-13.01	-28.50	-36.72	-32.78
13-Mar-2008	06:00:00	-8.40	-22.65	-13.28	-28.89	-36.74	-32.88
13-Mar-2008	12:00:00	-8.31	-23.66	-13.22	-28.86	-36.74	-32.89
13-Mar-2008	18:00:00	-8.16	-24.62	-13.22	-28.87	-36.98	-33.11
13-Mar-2008	24:00:00	-8.71	-24.80	-13.10	-28.85	-36.78	-32.86
14-Mar-2008	06:00:00	-8.41	-25.51	-13.08	-28.91	-36.72	-32.93
14-Mar-2008	12:00:00	-8.23	-26.13	-12.99	-28.87	-36.67	-32.89
14-Mar-2008	18:00:00	-7.95	-26.72	-12.94	-28.77	-36.80	-32.90
14-Mar-2008	24:00:00	-8.76	-26.97	-12.66	-28.61	-36.62	-32.84
15-Mar-2008	06:00:00	-8.94	-27.65	-12.87	-28.81	-36.75	-32.94
15-Mar-2008	12:00:00	-9.27	-28.43	-12.87	-29.10	-36.80	-32.96
15-Mar-2008	18:00:00	-8.94	-29.08	-12.77	-28.65	-36.81	-32.87
15-Mar-2008	24:00:00	-1.60	-18.43	-12.18	-28.13	-36.69	-32.83

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
16-Mar-2008	06:00:00	-0.30	-3.45	-10.26	-13.11	-36.70	-32.87
16-Mar-2008	12:00:00	-2.81	-4.12	-10.74	-22.13	-36.69	-32.78
16-Mar-2008	18:00:00	-4.54	-4.72	-11.16	-24.71	-36.82	-32.99
16-Mar-2008	24:00:00	-5.52	-5.97	-11.18	-25.40	-36.67	-32.78
17-Mar-2008	06:00:00	-6.35	-6.69	-11.49	-26.11	-36.66	-32.78
17-Mar-2008	12:00:00	-6.81	-7.12	-11.62	-26.60	-36.66	-32.78
17-Mar-2008	18:00:00	-6.89	-7.96	-11.61	-26.67	-36.73	-32.90
17-Mar-2008	24:00:00	-7.18	-10.46	-11.60	-26.97	-36.69	-32.86
18-Mar-2008	06:00:00	-7.15	-12.93	-11.75	-27.25	-36.80	-32.93
18-Mar-2008	12:00:00	-7.06	-14.55	-11.87	-27.30	-36.75	-32.96
18-Mar-2008	18:00:00	-6.93	-15.35	-11.80	-27.39	-36.73	-32.96
18-Mar-2008	24:00:00	-6.49	-15.65	-11.87	-27.20	-36.68	-32.84
19-Mar-2008	06:00:00	-6.31	-16.07	-11.79	-27.26	-36.68	-32.84
19-Mar-2008	12:00:00	-6.22	-16.66	-11.98	-27.38	-36.80	-32.92
19-Mar-2008	18:00:00	-6.43	-17.02	-12.08	-27.32	-36.81	-33.01
19-Mar-2008	24:00:00	-6.77	-17.13	-11.94	-27.13	-36.67	-32.83
20-Mar-2008	06:00:00	-1.73	-11.50	-11.78	-26.93	-36.76	-33.01
20-Mar-2008	12:00:00	-3.84	-10.73	-12.06	-27.29	-36.66	-32.83
20-Mar-2008	18:00:00	-6.25	-12.43	-12.36	-27.68	-36.84	-33.04
20-Mar-2008	24:00:00	-7.38	-15.02	-12.58	-27.92	-36.82	-32.95
21-Mar-2008	06:00:00	-7.89	-17.30	-12.65	-28.15	-36.85	-32.98
21-Mar-2008	12:00:00	-7.85	-18.55	-12.70	-28.19	-36.86	-32.89
21-Mar-2008	18:00:00	-7.68	-19.36	-12.69	-28.09	-36.84	-32.88
21-Mar-2008	24:00:00	-7.95	-19.70	-12.65	-27.96	-36.90	-32.98
22-Mar-2008	06:00:00	-7.66	-20.33	-12.62	-27.84	-36.75	-32.90
22-Mar-2008	12:00:00	-7.15	-20.99	-12.56	-27.78	-36.75	-32.96
22-Mar-2008	18:00:00	-7.31	-21.70	-12.62	-27.89	-36.84	-33.02
22-Mar-2008	24:00:00	-8.28	-22.00	-12.58	-27.83	-36.82	-32.95
23-Mar-2008	06:00:00	-9.06	-22.87	-12.94	-28.50	-36.62	-32.93
23-Mar-2008	12:00:00	-8.97	-24.04	-12.94	-28.49	-36.63	-32.78
23-Mar-2008	18:00:00	-9.05	-25.19	-12.96	-28.38	-36.74	-33.04
23-Mar-2008	24:00:00	-9.47	-25.72	-12.90	-28.33	-36.70	-32.98
24-Mar-2008	06:00:00	-9.19	-26.35	-12.88	-28.39	-36.70	-32.92
24-Mar-2008	12:00:00	-9.27	-27.02	-12.88	-28.43	-36.62	-32.86
24-Mar-2008	18:00:00	-9.27	-27.79	-13.17	-28.40	-36.74	-32.89
24-Mar-2008	24:00:00	-9.89	-28.22	-13.66	-28.52	-36.75	-32.96
25-Mar-2008	06:00:00	-10.05	-28.82	-13.96	-28.68	-36.76	-32.88
25-Mar-2008	12:00:00	-10.14	-29.50	-14.27	-28.81	-36.78	-32.93
25-Mar-2008	18:00:00	-10.12	-30.26	-14.34	-28.83	-36.85	-32.92
25-Mar-2008	24:00:00	-10.31	-30.49	-14.48	-28.61	-36.76	-32.89
26-Mar-2008	06:00:00	-10.24	-30.64	-14.69	-28.69	-36.78	-32.89
26-Mar-2008	12:00:00	-10.18	-30.91	-14.68	-28.64	-36.84	-32.93
26-Mar-2008	18:00:00	-10.30	-31.19	-14.85	-28.39	-36.85	-33.01
26-Mar-2008	24:00:00	-10.91	-31.17	-14.99	-28.22	-36.96	-33.10
27-Mar-2008	06:00:00	-10.90	-31.27	-15.17	-28.37	-36.84	-33.08
27-Mar-2008	12:00:00	-10.72	-31.47	-15.48	-28.46	-36.87	-33.05
27-Mar-2008	18:00:00	-10.75	-31.63	-15.41	-28.40	-36.98	-33.06
27-Mar-2008	24:00:00	-11.46	-31.41	-15.54	-28.41	-36.87	-33.02
28-Mar-2008	06:00:00	-11.31	-31.41	-15.62	-28.41	-36.87	-33.06
28-Mar-2008	12:00:00	-11.17	-31.40	-15.65	-28.45	-36.68	-32.88

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
28-Mar-2008	18:00:00	-11.53	-31.77	-15.93	-28.43	-36.93	-33.06
28-Mar-2008	24:00:00	-12.18	-31.66	-15.88	-28.34	-36.72	-32.93
29-Mar-2008	06:00:00	-12.41	-31.87	-15.95	-28.67	-36.62	-32.92
29-Mar-2008	12:00:00	-12.70	-32.20	-16.14	-29.12	-36.69	-32.84
29-Mar-2008	18:00:00	-13.20	-32.86	-16.17	-29.16	-36.67	-32.86
29-Mar-2008	24:00:00	-13.20	-33.14	-16.26	-28.92	-36.66	-32.95
30-Mar-2008	06:00:00	-13.25	-33.37	-16.43	-28.79	-36.81	-32.95
30-Mar-2008	12:00:00	-13.19	-33.46	-16.46	-28.67	-36.64	-32.88
30-Mar-2008	18:00:00	-12.72	-33.69	-16.49	-28.69	-36.62	-32.92
30-Mar-2008	24:00:00	-10.36	-33.67	-16.44	-28.35	-36.70	-32.96
31-Mar-2008	06:00:00	-6.79	-33.70	-16.30	-28.16	-36.70	-32.99
31-Mar-2008	12:00:00	-7.00	-33.45	-16.34	-28.21	-36.67	-32.94
31-Mar-2008	18:00:00	-2.63	-23.61	-15.60	-26.93	-36.74	-32.99
31-Mar-2008	24:00:00	-0.09	-4.90	-13.83	-13.22	-21.91	-13.28
1-Apr-2008	06:00:00	-1.50	-5.49	-13.67	-18.90	-6.88	-4.75
1-Apr-2008	12:00:00	-2.41	-5.83	-13.76	-24.45	-2.17	-3.73
1-Apr-2008	18:00:00	-3.30	-6.50	-13.92	-24.89	-1.51	-4.37
1-Apr-2008	24:00:00	-4.38	-8.03	-14.03	-25.43	-2.54	-7.37
2-Apr-2008	06:00:00	-5.05	-8.93	-14.12	-25.63	-2.77	-9.14
2-Apr-2008	12:00:00	-5.62	-10.39	-14.42	-26.05	-3.00	-10.55
2-Apr-2008	18:00:00	-6.35	-12.86	-14.67	-26.46	-3.72	-12.07
2-Apr-2008	24:00:00	-7.05	-15.11	-14.74	-26.58	-4.41	-12.91
3-Apr-2008	06:00:00	-7.63	-17.47	-15.00	-26.90	-5.18	-14.05
3-Apr-2008	12:00:00	-7.17	-19.13	-15.00	-26.85	-5.50	-15.20
3-Apr-2008	18:00:00	-7.02	-20.15	-15.02	-26.70	-5.32	-16.01
3-Apr-2008	24:00:00	-6.57	-20.61	-14.88	-26.37	-5.29	-16.57
4-Apr-2008	06:00:00	-3.31	-17.72	-14.90	-26.17	-3.34	-14.32
4-Apr-2008	12:00:00	-4.69	-16.25	-15.05	-25.95	-3.34	-12.95
4-Apr-2008	18:00:00	-4.93	-16.34	-15.04	-25.79	-3.08	-12.70
4-Apr-2008	24:00:00	-5.35	-16.47	-15.03	-26.00	-3.34	-12.82
5-Apr-2008	06:00:00	-2.46	-11.90	-14.79	-25.28	-3.19	-13.21
5-Apr-2008	12:00:00	0.66	-3.29	-12.10	-10.02	-1.34	-10.78
5-Apr-2008	18:00:00	2.51	-3.38	-10.47	-2.73	-0.67	-6.92
5-Apr-2008	24:00:00	1.69	-3.08	-7.56	-4.23	3.34	-3.79
6-Apr-2008	06:00:00	0.12	-3.77	-7.83	-11.43	2.28	-2.47
6-Apr-2008	12:00:00	-0.89	-4.04	-7.31	-15.78	0.62	-2.14
6-Apr-2008	18:00:00	-2.11	-4.34	-7.49	-19.85	-0.45	-2.59
6-Apr-2008	24:00:00	-3.40	-4.57	-7.78	-21.35	-1.51	-3.82
7-Apr-2008	06:00:00	-4.18	-4.65	-8.18	-21.92	-2.02	-4.18
7-Apr-2008	12:00:00	-4.42	-5.01	-8.27	-22.27	-2.22	-4.56
7-Apr-2008	18:00:00	-4.97	-5.45	-8.51	-22.68	-2.61	-4.97
7-Apr-2008	24:00:00	-4.95	-5.81	-8.63	-22.80	-2.89	-6.02
8-Apr-2008	06:00:00	-5.41	-6.21	-8.91	-23.25	-3.31	-7.28
8-Apr-2008	12:00:00	-5.62	-6.62	-9.11	-23.61	-3.58	-7.82
8-Apr-2008	18:00:00	-5.74	-6.87	-9.32	-23.70	-3.79	-8.20
8-Apr-2008	24:00:00	-5.93	-7.97	-9.52	-23.73	-4.18	-9.26
9-Apr-2008	06:00:00	-6.05	-9.02	-9.57	-23.96	-4.92	-10.03
9-Apr-2008	12:00:00	-6.09	-9.55	-9.80	-24.19	-5.43	-9.95
9-Apr-2008	18:00:00	-6.29	-10.30	-9.89	-24.15	-5.74	-10.16
9-Apr-2008	24:00:00	-6.49	-11.30	-9.90	-24.30	-6.20	-10.19

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
10-Apr-2008	06:00:00	-6.72	-12.57	-10.17	-24.53	-6.99	-10.45
10-Apr-2008	12:00:00	-6.73	-13.53	-10.25	-24.74	-6.67	-10.54
10-Apr-2008	18:00:00	-6.52	-14.33	-10.48	-24.84	-7.28	-10.12
10-Apr-2008	24:00:00	-6.71	-14.62	-10.47	-24.85	-7.65	-9.86
11-Apr-2008	06:00:00	-6.75	-15.35	-10.46	-24.79	-8.54	-10.10
11-Apr-2008	12:00:00	-6.89	-16.06	-10.83	-25.11	-9.48	-10.25
11-Apr-2008	18:00:00	-6.34	-16.57	-10.82	-24.93	-9.97	-10.28
11-Apr-2008	24:00:00	-6.85	-16.42	-10.70	-24.80	-10.18	-10.33
12-Apr-2008	06:00:00	-7.01	-17.00	-10.79	-24.85	-10.93	-11.11
12-Apr-2008	12:00:00	-6.91	-17.36	-10.88	-24.93	-11.55	-11.48
12-Apr-2008	18:00:00	-7.20	-17.93	-10.95	-25.05	-12.32	-12.19
12-Apr-2008	24:00:00	-0.76	-6.51	-10.60	-24.29	-10.92	-5.26
13-Apr-2008	06:00:00	-2.99	-7.89	-10.82	-24.50	-10.80	-5.77
13-Apr-2008	12:00:00	-4.21	-8.81	-10.97	-24.73	-10.45	-6.22
13-Apr-2008	18:00:00	-5.02	-9.99	-11.10	-24.81	-10.20	-6.90
13-Apr-2008	24:00:00	-5.98	-11.65	-11.22	-25.19	-10.34	-7.74
14-Apr-2008	06:00:00	-6.46	-13.49	-11.30	-25.33	-11.26	-9.17
14-Apr-2008	12:00:00	-6.87	-14.63	-11.27	-25.43	-12.00	-10.16
14-Apr-2008	18:00:00	-6.88	-15.50	-11.32	-25.56	-12.50	-10.88
14-Apr-2008	24:00:00	-6.95	-16.06	-11.48	-25.67	-13.16	-11.34
15-Apr-2008	06:00:00	-7.17	-16.79	-11.45	-25.81	-13.87	-12.20
15-Apr-2008	12:00:00	-7.37	-17.37	-11.56	-25.87	-14.48	-13.08
15-Apr-2008	18:00:00	-7.61	-18.03	-11.68	-26.06	-15.16	-14.18
15-Apr-2008	24:00:00	-7.78	-18.29	-11.67	-26.01	-15.52	-14.90
16-Apr-2008	06:00:00	-8.21	-18.95	-11.84	-26.22	-16.36	-15.83
16-Apr-2008	12:00:00	-8.45	-19.72	-12.02	-26.47	-17.00	-16.86
16-Apr-2008	18:00:00	-8.20	-20.42	-11.92	-26.29	-17.46	-17.70
16-Apr-2008	24:00:00	-8.22	-20.37	-11.88	-26.18	-17.77	-18.10
17-Apr-2008	06:00:00	-8.35	-20.65	-11.96	-26.25	-18.21	-18.77
17-Apr-2008	12:00:00	-8.33	-21.01	-12.10	-26.05	-18.73	-19.58
17-Apr-2008	18:00:00	-8.01	-21.17	-11.93	-25.99	-19.08	-19.98
17-Apr-2008	24:00:00	-8.65	-21.23	-12.26	-26.33	-19.41	-20.52
18-Apr-2008	06:00:00	-8.51	-21.15	-12.18	-26.07	-19.66	-20.90
18-Apr-2008	12:00:00	-8.82	-21.56	-12.29	-26.31	-20.12	-21.44
18-Apr-2008	18:00:00	-8.59	-21.77	-12.35	-26.42	-20.52	-22.10
18-Apr-2008	24:00:00	-9.24	-21.69	-12.41	-26.41	-20.56	-22.21
19-Apr-2008	06:00:00	-9.22	-21.79	-12.52	-26.43	-20.94	-22.61
19-Apr-2008	12:00:00	-9.16	-21.91	-12.51	-26.25	-21.20	-23.06
19-Apr-2008	18:00:00	-8.99	-22.23	-12.60	-26.43	-21.48	-23.54
19-Apr-2008	24:00:00	-9.61	-22.18	-12.69	-26.48	-21.72	-23.78
20-Apr-2008	06:00:00	-9.42	-22.09	-12.51	-26.18	-21.82	-24.02
20-Apr-2008	12:00:00	-6.72	-22.13	-12.50	-25.97	-22.10	-24.41
20-Apr-2008	18:00:00	-7.07	-22.31	-12.72	-26.45	-22.57	-24.92
20-Apr-2008	24:00:00	-6.63	-22.24	-12.82	-26.53	-22.64	-25.02
21-Apr-2008	06:00:00	-6.66	-22.33	-12.70	-26.33	-22.93	-25.49
21-Apr-2008	12:00:00	-7.47	-22.40	-12.74	-26.35	-23.20	-25.91
21-Apr-2008	18:00:00	-7.91	-22.63	-12.80	-26.41	-23.56	-26.39
21-Apr-2008	24:00:00	1.13	-7.53	-11.75	-24.06	-16.17	-24.96
22-Apr-2008	06:00:00	-1.00	-8.21	-11.37	-23.89	-2.00	-21.20
22-Apr-2008	12:00:00	-2.32	-8.85	-11.34	-23.65	-0.87	-19.01

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
22-Apr-2008	18:00:00	-3.54	-9.97	-11.76	-22.74	-1.51	-16.75
22-Apr-2008	24:00:00	-4.48	-11.29	-11.90	-23.22	-2.23	-14.94
23-Apr-2008	06:00:00	-5.07	-12.81	-11.92	-23.36	-2.40	-13.13
23-Apr-2008	12:00:00	-5.64	-13.82	-11.93	-23.64	-2.44	-11.74
23-Apr-2008	18:00:00	-5.92	-14.63	-12.16	-24.32	-2.66	-10.69
23-Apr-2008	24:00:00	-6.30	-15.53	-12.34	-25.02	-3.42	-9.89
24-Apr-2008	06:00:00	-6.58	-16.29	-12.34	-25.01	-3.82	-9.49
24-Apr-2008	12:00:00	-6.87	-17.15	-12.38	-25.22	-4.16	-9.40
24-Apr-2008	18:00:00	-6.93	-18.03	-12.64	-25.62	-4.53	-8.82
24-Apr-2008	24:00:00	-7.32	-18.27	-12.68	-26.09	-4.96	-8.35
25-Apr-2008	06:00:00	-7.55	-18.68	-12.53	-25.63	-6.16	-9.10
25-Apr-2008	12:00:00	-7.57	-19.16	-12.68	-25.64	-7.50	-9.61
25-Apr-2008	18:00:00	-7.44	-19.76	-12.87	-26.06	-8.35	-9.80
25-Apr-2008	24:00:00	-8.02	-19.90	-13.08	-26.59	-9.07	-9.94
26-Apr-2008	06:00:00	-8.40	-20.21	-13.07	-26.18	-10.08	-10.68
26-Apr-2008	12:00:00	-8.31	-20.45	-13.01	-25.94	-11.00	-11.69
26-Apr-2008	18:00:00	-8.35	-20.92	-13.37	-26.70	-11.68	-12.85
26-Apr-2008	24:00:00	-4.66	-20.21	-13.24	-26.49	-11.86	-13.24
27-Apr-2008	06:00:00	-6.06	-19.91	-13.19	-26.13	-12.55	-14.08
27-Apr-2008	12:00:00	-6.55	-20.19	-13.16	-26.01	-13.23	-14.94
27-Apr-2008	18:00:00	-6.94	-20.49	-13.38	-26.61	-13.82	-15.66
27-Apr-2008	24:00:00	-6.30	-20.39	-13.12	-26.16	-14.11	-16.12
28-Apr-2008	06:00:00	0.26	-5.24	-11.42	-22.45	-9.70	-12.16
28-Apr-2008	12:00:00	-1.07	-5.65	-11.20	-23.90	-6.21	-8.10
28-Apr-2008	18:00:00	0.74	-3.40	-10.42	-15.55	-2.91	-3.36
28-Apr-2008	24:00:00	1.01	-2.59	-9.18	-12.49	-2.06	-1.96
29-Apr-2008	06:00:00	0.13	-2.71	-9.11	-17.10	-1.53	-1.49
29-Apr-2008	12:00:00	-1.72	-3.14	-9.39	-22.21	-1.62	-2.48
29-Apr-2008	18:00:00	-2.98	-3.69	-9.75	-23.22	-2.42	-4.75
29-Apr-2008	24:00:00	-4.63	-4.82	-10.05	-23.73	-3.48	-7.66
30-Apr-2008	06:00:00	-5.91	-5.47	-10.25	-24.01	-4.18	-9.72
30-Apr-2008	12:00:00	-6.46	-5.91	-10.31	-24.17	-4.21	-10.34
30-Apr-2008	18:00:00	-6.53	-6.88	-10.62	-24.38	-4.80	-10.32
30-Apr-2008	24:00:00	-6.81	-8.75	-10.83	-24.77	-5.68	-10.94
1-May-2008	06:00:00	-7.21	-9.40	-10.71	-24.47	-6.84	-12.06
1-May-2008	12:00:00	-7.55	-10.28	-10.90	-24.71	-8.01	-13.36
1-May-2008	18:00:00	-7.25	-11.25	-11.20	-25.26	-8.72	-13.79
1-May-2008	24:00:00	-7.24	-12.69	-11.20	-25.63	-9.22	-14.18
2-May-2008	06:00:00	-7.54	-13.82	-11.12	-25.05	-10.50	-14.86
2-May-2008	12:00:00	-7.57	-14.45	-11.25	-25.14	-11.46	-15.62
2-May-2008	18:00:00	-7.56	-15.47	-11.46	-25.80	-12.36	-16.27
2-May-2008	24:00:00	-7.91	-16.16	-11.58	-26.19	-12.92	-16.57
3-May-2008	06:00:00	-8.28	-16.69	-11.48	-25.52	-13.82	-17.05
3-May-2008	12:00:00	-8.21	-17.08	-11.43	-25.39	-14.71	-17.60
3-May-2008	18:00:00	-8.10	-17.71	-11.76	-26.07	-15.62	-18.24
3-May-2008	24:00:00	-8.64	-18.11	-11.86	-26.27	-16.09	-18.46
4-May-2008	06:00:00	-9.03	-18.31	-11.78	-25.83	-16.70	-18.88
4-May-2008	12:00:00	-8.33	-18.50	-11.80	-25.57	-17.32	-19.46
4-May-2008	18:00:00	-8.52	-19.04	-12.12	-26.40	-17.86	-19.99
4-May-2008	24:00:00	-9.35	-19.31	-12.32	-26.82	-18.34	-20.35

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
5-May-2008	06:00:00	-2.80	-11.37	-9.89	-22.21	-6.26	-18.13
5-May-2008	12:00:00	-3.95	-12.33	-9.86	-23.35	-1.71	-17.40
5-May-2008	18:00:00	-5.03	-13.60	-10.12	-23.97	-2.19	-16.69
5-May-2008	24:00:00	-5.57	-14.68	-10.40	-24.59	-3.26	-15.05
6-May-2008	06:00:00	-6.53	-15.65	-10.47	-24.27	-3.63	-15.29
6-May-2008	12:00:00	-7.19	-16.48	-10.48	-24.41	-3.75	-15.64
6-May-2008	18:00:00	-7.43	-17.30	-10.85	-24.96	-3.91	-15.84
6-May-2008	24:00:00	-7.89	-17.68	-10.90	-25.45	-4.82	-15.82
7-May-2008	06:00:00	-8.49	-18.16	-10.88	-24.90	-5.83	-16.30
7-May-2008	12:00:00	-8.57	-18.52	-10.77	-24.79	-6.40	-16.78
7-May-2008	18:00:00	-8.53	-19.21	-11.25	-25.67	-6.96	-17.17
7-May-2008	24:00:00	-9.06	-19.36	-11.37	-26.05	-7.51	-17.12
8-May-2008	06:00:00	-9.31	-19.39	-11.10	-25.39	-9.06	-17.58
8-May-2008	12:00:00	-9.40	-19.60	-11.14	-25.26	-10.41	-18.08
8-May-2008	18:00:00	-8.94	-19.90	-11.04	-25.11	-11.30	-18.71
8-May-2008	24:00:00	-7.72	-19.73	-10.98	-25.17	-11.35	-18.86
9-May-2008	06:00:00	-7.78	-19.65	-10.80	-24.73	-12.01	-19.20
9-May-2008	12:00:00	-2.99	-18.35	-10.52	-24.42	-12.21	-18.91
9-May-2008	18:00:00	-4.27	-17.21	-10.95	-25.22	-10.84	-17.89
9-May-2008	24:00:00	-6.30	-18.19	-11.48	-26.23	-10.80	-18.04
10-May-2008	06:00:00	-1.37	-7.09	-10.90	-25.04	-11.07	-18.23
10-May-2008	12:00:00	-1.84	-6.55	-10.77	-24.90	-8.08	-18.43
10-May-2008	18:00:00	-3.25	-8.02	-11.15	-25.41	-5.89	-18.38
10-May-2008	24:00:00	-5.07	-11.33	-11.33	-26.19	-6.02	-18.48
11-May-2008	06:00:00	-6.25	-12.76	-11.32	-25.56	-6.98	-18.80
11-May-2008	12:00:00	-6.31	-13.69	-11.09	-25.08	-7.38	-19.25
11-May-2008	18:00:00	0.72	-4.09	-10.16	-22.61	-4.16	-13.93
11-May-2008	24:00:00	-0.66	-5.12	-10.22	-23.45	-2.67	-10.56
12-May-2008	06:00:00	-0.70	-4.36	-10.17	-23.29	-1.96	-9.14
12-May-2008	12:00:00	-3.07	-5.21	-10.37	-23.45	-2.30	-8.03
12-May-2008	18:00:00	-4.43	-6.27	-10.67	-23.95	-2.71	-8.20
12-May-2008	24:00:00	-5.65	-7.45	-10.95	-24.59	-3.42	-9.58
13-May-2008	06:00:00	-6.81	-8.42	-11.02	-24.65	-3.98	-10.92
13-May-2008	12:00:00	-7.29	-9.34	-11.12	-24.80	-4.41	-11.52
13-May-2008	18:00:00	-7.45	-10.78	-11.36	-25.81	-4.54	-11.86
13-May-2008	24:00:00	-7.73	-13.25	-11.62	-26.59	-5.92	-12.67
14-May-2008	06:00:00	-7.90	-14.41	-11.36	-25.63	-7.45	-13.76
14-May-2008	12:00:00	-8.16	-15.32	-11.31	-25.25	-8.53	-14.75
14-May-2008	18:00:00	-8.05	-16.17	-11.55	-26.17	-9.10	-15.16
14-May-2008	24:00:00	-7.95	-16.84	-11.48	-26.21	-9.87	-15.61
15-May-2008	06:00:00	-8.08	-17.24	-11.36	-25.57	-11.00	-16.28
15-May-2008	12:00:00	-7.99	-17.41	-11.31	-25.17	-11.94	-16.87
15-May-2008	18:00:00	-7.85	-17.87	-11.54	-25.41	-12.73	-17.63
15-May-2008	24:00:00	-8.10	-18.25	-11.66	-26.01	-13.29	-18.08
16-May-2008	06:00:00	-4.08	-16.51	-11.21	-25.10	-13.00	-17.81
16-May-2008	12:00:00	-0.79	-11.92	-10.94	-24.55	-10.98	-15.04
16-May-2008	18:00:00	-2.86	-10.22	-11.22	-25.19	-9.69	-12.05
16-May-2008	24:00:00	-4.59	-12.51	-11.43	-25.87	-9.70	-11.90
17-May-2008	06:00:00	-4.33	-11.27	-11.32	-25.57	-10.58	-12.60
17-May-2008	12:00:00	-5.73	-11.74	-11.45	-25.57	-11.82	-13.33

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
17-May-2008	18:00:00	-6.35	-13.31	-11.79	-26.29	-12.74	-14.47
17-May-2008	24:00:00	-6.97	-15.01	-11.91	-26.55	-13.69	-15.06
18-May-2008	06:00:00	-7.73	-15.77	-11.64	-25.81	-14.71	-15.85
18-May-2008	12:00:00	-7.86	-16.24	-11.56	-25.39	-15.64	-16.63
18-May-2008	18:00:00	-7.81	-16.91	-11.87	-26.11	-16.51	-17.33
18-May-2008	24:00:00	-8.76	-17.55	-11.97	-26.47	-16.90	-17.84
19-May-2008	06:00:00	-5.82	-17.75	-11.91	-26.01	-17.11	-17.27
19-May-2008	12:00:00	-6.81	-17.92	-11.81	-25.99	-17.54	-17.86
19-May-2008	18:00:00	-7.31	-18.37	-12.22	-26.60	-18.09	-18.55
19-May-2008	24:00:00	-7.99	-18.83	-12.35	-27.18	-18.27	-18.95
20-May-2008	06:00:00	-8.70	-19.09	-12.00	-26.18	-18.64	-19.32
20-May-2008	12:00:00	-8.37	-19.16	-11.94	-25.65	-19.29	-20.06
20-May-2008	18:00:00	-8.47	-19.29	-12.26	-26.24	-19.63	-20.30
20-May-2008	24:00:00	-8.26	-19.46	-12.27	-26.65	-19.69	-20.40
21-May-2008	06:00:00	-4.49	-18.58	-12.20	-26.17	-19.58	-16.79
21-May-2008	12:00:00	-5.76	-18.28	-11.96	-25.87	-19.77	-17.30
21-May-2008	18:00:00	-6.45	-18.71	-12.30	-26.52	-20.02	-18.04
21-May-2008	24:00:00	-7.31	-19.11	-12.46	-27.13	-20.26	-18.50
22-May-2008	06:00:00	-8.28	-19.48	-12.35	-26.43	-20.52	-19.15
22-May-2008	12:00:00	-8.94	-19.87	-12.33	-26.40	-20.92	-19.75
22-May-2008	18:00:00	-9.35	-20.45	-12.86	-27.27	-21.32	-20.41
22-May-2008	24:00:00	-10.03	-20.91	-12.93	-27.69	-21.46	-21.00
23-May-2008	06:00:00	-10.66	-21.15	-12.72	-27.05	-21.76	-21.43
23-May-2008	12:00:00	-10.84	-21.16	-12.54	-26.77	-22.05	-21.96
23-May-2008	18:00:00	-11.17	-21.81	-13.16	-27.63	-22.58	-22.74
23-May-2008	24:00:00	-11.40	-21.95	-13.22	-27.89	-22.76	-22.94
24-May-2008	06:00:00	-11.52	-21.91	-12.93	-27.03	-22.99	-23.29
24-May-2008	12:00:00	-11.74	-21.98	-12.81	-26.99	-23.23	-23.71
24-May-2008	18:00:00	-9.71	-22.17	-12.63	-26.71	-22.76	-20.77
24-May-2008	24:00:00	-9.39	-22.36	-12.92	-27.48	-23.02	-21.40
25-May-2008	06:00:00	-10.03	-22.31	-12.64	-26.94	-23.10	-21.72
25-May-2008	12:00:00	-10.55	-22.36	-12.46	-26.78	-23.34	-22.21
25-May-2008	18:00:00	-11.09	-22.90	-13.08	-27.71	-23.86	-23.00
25-May-2008	24:00:00	-11.64	-22.94	-13.18	-28.11	-23.98	-23.35
26-May-2008	06:00:00	-12.17	-23.01	-13.00	-27.30	-24.22	-23.90
26-May-2008	12:00:00	-12.43	-23.08	-12.96	-27.12	-24.46	-24.37
26-May-2008	18:00:00	-12.58	-23.27	-13.40	-27.98	-24.68	-24.50
26-May-2008	24:00:00	-12.99	-23.39	-13.54	-28.40	-24.67	-24.28
27-May-2008	06:00:00	-13.25	-23.29	-13.16	-27.41	-24.82	-24.53
27-May-2008	12:00:00	-13.42	-23.23	-13.02	-27.07	-25.04	-25.08
27-May-2008	18:00:00	-13.74	-23.36	-13.53	-28.49	-25.63	-25.62
27-May-2008	24:00:00	-14.14	-23.31	-13.66	-27.61	-25.87	-25.99
28-May-2008	06:00:00	-14.62	-23.29	-13.26	-27.51	-26.01	-26.41
28-May-2008	12:00:00	-14.76	-23.36	-13.14	-27.77	-26.32	-26.88
28-May-2008	18:00:00	-15.03	-23.53	-13.44	-27.27	-26.54	-27.29
28-May-2008	24:00:00	-11.85	-23.59	-13.22	-27.30	-26.74	-27.66
29-May-2008	06:00:00	-12.27	-23.68	-13.04	-27.08	-26.90	-28.01
29-May-2008	12:00:00	-12.28	-23.38	-12.92	-28.02	-27.20	-28.16
29-May-2008	18:00:00	-12.59	-23.60	-13.59	-28.46	-27.39	-28.51
29-May-2008	24:00:00	-13.13	-23.60	-13.80	-27.57	-27.54	-28.86

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
30-May-2008	06:00:00	-13.91	-23.42	-13.38	-27.45	-27.80	-29.17
30-May-2008	12:00:00	-14.45	-23.43	-13.36	-28.31	-28.09	-29.47
30-May-2008	18:00:00	-14.70	-23.73	-13.98	-28.76	-28.21	-29.65
30-May-2008	24:00:00	-15.17	-23.66	-14.04	-27.83	-28.33	-29.93
31-May-2008	06:00:00	-15.60	-23.61	-13.71	-27.47	-28.48	-30.32
31-May-2008	12:00:00	-15.76	-23.56	-13.53	-28.34	-28.81	-30.42
31-May-2008	18:00:00	-15.82	-23.65	-14.08	-28.81	-28.95	-30.61
31-May-2008	24:00:00	-16.36	-23.67	-14.20	-27.93	-29.01	-30.86
1-Jun-2008	06:00:00	-16.62	-23.51	-13.80	-27.62	-29.26	-31.10
1-Jun-2008	12:00:00	-16.81	-23.49	-13.62	-29.11	-29.60	-31.68
1-Jun-2008	18:00:00	-17.20	-23.86	-14.54	-28.87	-29.70	-31.69
1-Jun-2008	24:00:00	-17.49	-23.91	-14.34	-27.98	-29.85	-31.97
2-Jun-2008	06:00:00	-17.88	-23.99	-14.07	-27.85	-30.03	-32.23
2-Jun-2008	12:00:00	-18.24	-24.04	-13.90	-29.23	-30.49	-32.78
2-Jun-2008	18:00:00	-18.67	-24.37	-14.63	-29.66	-30.54	-32.99
2-Jun-2008	24:00:00	-19.06	-24.46	-14.84	-28.75	-30.92	-33.13
3-Jun-2008	06:00:00	-19.66	-24.55	-14.44	-28.29	-31.05	-33.10
3-Jun-2008	12:00:00	-20.07	-24.59	-14.32	-29.22	-31.29	-33.07
3-Jun-2008	18:00:00	-20.02	-24.71	-14.81	-29.61	-31.56	-32.99
3-Jun-2008	24:00:00	-20.44	-24.79	-14.98	-28.59	-31.68	-33.04
4-Jun-2008	06:00:00	-20.97	-24.71	-14.56	-28.20	-31.99	-33.06
4-Jun-2008	12:00:00	-21.27	-24.62	-14.43	-29.60	-32.36	-33.23
4-Jun-2008	18:00:00	-21.76	-24.95	-15.27	-30.06	-32.43	-33.02
4-Jun-2008	24:00:00	-21.77	-24.92	-15.20	-28.99	-32.62	-32.90
5-Jun-2008	06:00:00	-22.51	-25.07	-14.87	-28.79	-33.03	-32.89
5-Jun-2008	12:00:00	-22.97	-25.16	-14.81	-30.35	-33.39	-33.00
5-Jun-2008	18:00:00	-23.32	-25.67	-15.69	-30.65	-33.52	-32.90
5-Jun-2008	24:00:00	-23.62	-25.73	-15.64	-29.40	-33.69	-32.82
6-Jun-2008	06:00:00	-23.98	-25.77	-15.18	-29.27	-34.02	-33.00
6-Jun-2008	12:00:00	-24.61	-26.05	-15.23	-30.77	-34.34	-33.00
6-Jun-2008	18:00:00	-24.67	-26.12	-16.05	-31.32	-34.40	-32.84
6-Jun-2008	24:00:00	-24.79	-26.09	-16.07	-29.94	-34.40	-32.76
7-Jun-2008	06:00:00	-25.39	-26.03	-15.47	-29.43	-34.60	-32.74
7-Jun-2008	12:00:00	-25.60	-26.00	-15.16	-31.02	-34.84	-32.89
7-Jun-2008	18:00:00	-25.66	-26.21	-16.17	-31.61	-35.11	-32.93
7-Jun-2008	24:00:00	-26.02	-26.32	-16.41	-30.27	-35.11	-32.78
8-Jun-2008	06:00:00	-26.34	-26.13	-15.72	-29.91	-35.43	-32.90
8-Jun-2008	12:00:00	-26.82	-26.20	-15.59	-31.55	-35.56	-32.94
8-Jun-2008	18:00:00	-27.12	-26.30	-16.56	-31.97	-35.73	-32.93
8-Jun-2008	24:00:00	-27.21	-26.37	-16.68	-30.65	-35.91	-32.72
9-Jun-2008	06:00:00	-27.58	-26.29	-16.05	-30.27	-36.21	-32.82
9-Jun-2008	12:00:00	-27.99	-26.25	-15.86	-32.01	-36.48	-32.81
9-Jun-2008	18:00:00	-28.32	-26.59	-16.86	-32.39	-36.49	-32.78
9-Jun-2008	24:00:00	-28.35	-26.67	-16.88	-31.10	-36.54	-32.62
10-Jun-2008	06:00:00	-28.79	-26.67	-16.30	-30.67	-36.82	-32.63
10-Jun-2008	12:00:00	-29.09	-26.75	-16.10	-32.27	-36.73	-32.66
10-Jun-2008	18:00:00	-29.41	-27.07	-17.20	-32.81	-36.68	-32.65
10-Jun-2008	24:00:00	-29.38	-27.25	-17.27	-31.58	-36.66	-32.63
11-Jun-2008	06:00:00	-29.88	-27.29	-16.61	-30.97	-36.58	-32.62
11-Jun-2008	12:00:00	-30.11	-27.23	-16.44	-32.57	-36.78	-32.69

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
11-Jun-2008	18:00:00	-30.59	-27.59	-17.40	-33.00	-36.54	-32.64
11-Jun-2008	24:00:00	-30.57	-27.64	-17.49	-31.63	-36.43	-32.48
12-Jun-2008	06:00:00	-30.78	-27.80	-16.74	-31.45	-36.63	-32.74
12-Jun-2008	12:00:00	-31.31	-28.07	-16.78	-32.21	-36.58	-32.66
12-Jun-2008	18:00:00	-31.41	-28.28	-17.19	-33.12	-36.67	-32.68
12-Jun-2008	24:00:00	-31.47	-28.39	-17.58	-31.98	-36.57	-32.63
13-Jun-2008	06:00:00	-31.65	-28.53	-17.07	-31.49	-36.56	-32.57
13-Jun-2008	12:00:00	-31.80	-28.42	-16.71	-33.05	-36.63	-32.52
13-Jun-2008	18:00:00	-31.99	-28.60	-17.69	-33.60	-36.61	-32.48
13-Jun-2008	24:00:00	-31.98	-28.65	-17.86	-32.19	-36.54	-32.54
14-Jun-2008	06:00:00	-32.14	-28.65	-17.15	-31.71	-36.62	-32.56
14-Jun-2008	12:00:00	-32.27	-28.69	-16.96	-33.18	-36.78	-32.69
14-Jun-2008	18:00:00	-32.50	-28.83	-17.90	-33.47	-36.63	-32.54
14-Jun-2008	24:00:00	-32.32	-28.60	-17.87	-27.20	0.30	-9.02
15-Jun-2008	06:00:00	-13.75	-16.77	-12.99	-24.89	-0.20	-6.53
15-Jun-2008	12:00:00	-7.19	-10.31	-11.93	-27.61	-1.10	-10.20
15-Jun-2008	18:00:00	-6.94	-14.35	-12.50	-28.71	-2.26	-13.75
15-Jun-2008	24:00:00	-7.49	-17.26	-12.87	-28.23	-2.62	-15.88
16-Jun-2008	06:00:00	-7.97	-19.21	-12.78	-28.17	-3.10	-17.14
16-Jun-2008	12:00:00	-8.16	-20.29	-12.89	-29.39	-4.14	-18.55
16-Jun-2008	18:00:00	-8.82	-21.47	-13.53	-29.76	-6.52	-19.55
16-Jun-2008	24:00:00	-9.48	-22.12	-13.66	-28.85	-9.19	-20.35
17-Jun-2008	06:00:00	-9.59	-22.76	-13.58	-28.49	-10.98	-21.05
17-Jun-2008	12:00:00	-9.78	-23.01	-13.47	-29.79	-12.75	-21.94
17-Jun-2008	18:00:00	-10.41	-23.69	-14.09	-30.45	-14.35	-22.70
17-Jun-2008	24:00:00	-11.32	-24.15	-14.46	-29.34	-15.43	-23.26
18-Jun-2008	06:00:00	-11.95	-24.43	-14.27	-29.06	-16.59	-23.59
18-Jun-2008	12:00:00	-12.18	-24.80	-14.21	-30.27	-17.16	-24.46
18-Jun-2008	18:00:00	-12.81	-25.21	-14.86	-30.78	-18.01	-25.20
18-Jun-2008	24:00:00	-13.61	-25.39	-15.09	-29.69	-18.42	-25.86
19-Jun-2008	06:00:00	-14.08	-25.70	-14.82	-29.54	-19.06	-26.41
19-Jun-2008	12:00:00	-14.56	-25.84	-14.87	-30.96	-19.88	-27.35
19-Jun-2008	18:00:00	-15.11	-26.39	-15.58	-31.32	-20.24	-27.79
19-Jun-2008	24:00:00	-15.71	-26.51	-15.68	-30.39	-20.65	-28.25
20-Jun-2008	06:00:00	-16.35	-26.61	-15.41	-30.21	-21.08	-28.97
20-Jun-2008	12:00:00	-16.83	-26.80	-15.24	-31.29	-21.68	-29.74
20-Jun-2008	18:00:00	-17.43	-27.32	-15.93	-30.83	-22.04	-30.18
20-Jun-2008	24:00:00	-17.34	-27.38	-15.84	-30.25	-22.23	-30.67
21-Jun-2008	06:00:00	-17.29	-27.44	-15.54	-29.88	-22.65	-31.15
21-Jun-2008	12:00:00	-17.37	-27.45	-15.33	-30.71	-23.13	-31.90
21-Jun-2008	18:00:00	-18.01	-27.73	-15.95	-30.43	-23.25	-32.16
21-Jun-2008	24:00:00	-18.05	-27.56	-15.80	-29.76	-23.54	-32.52
22-Jun-2008	06:00:00	-17.87	-27.61	-15.50	-29.66	-24.01	-32.99
22-Jun-2008	12:00:00	-18.22	-27.61	-15.46	-30.44	-24.33	-32.77
22-Jun-2008	18:00:00	-18.60	-27.79	-16.01	-30.37	-24.45	-32.62
22-Jun-2008	24:00:00	-18.89	-27.61	-15.98	-29.91	-24.70	-32.54
23-Jun-2008	06:00:00	-19.45	-27.77	-15.74	-29.61	-25.02	-32.60
23-Jun-2008	12:00:00	-19.92	-27.79	-15.71	-30.93	-25.40	-32.72
23-Jun-2008	18:00:00	-20.41	-28.00	-16.47	-30.93	-25.52	-32.58
23-Jun-2008	24:00:00	-21.09	-28.17	-16.41	-30.27	-25.81	-32.54

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
24-Jun-2008	06:00:00	-21.67	-28.27	-16.12	-30.29	-26.06	-32.74
24-Jun-2008	12:00:00	-22.44	-28.57	-16.18	-31.69	-26.49	-32.68
24-Jun-2008	18:00:00	-22.97	-28.81	-16.89	-32.23	-26.77	-32.74
24-Jun-2008	24:00:00	-23.53	-29.13	-17.00	-31.25	-26.88	-32.68
25-Jun-2008	06:00:00	-24.09	-29.13	-16.59	-30.80	-27.04	-32.62
25-Jun-2008	12:00:00	-24.51	-29.29	-16.41	-32.13	-27.56	-32.83
25-Jun-2008	18:00:00	-24.84	-29.60	-17.26	-32.42	-27.74	-32.72
25-Jun-2008	24:00:00	-25.20	-29.71	-17.32	-31.44	-27.96	-32.69
26-Jun-2008	06:00:00	-25.77	-29.83	-16.90	-30.99	-28.35	-32.78
26-Jun-2008	12:00:00	-26.20	-29.95	-16.67	-32.15	-28.69	-32.78
26-Jun-2008	18:00:00	-26.39	-30.05	-17.60	-32.93	-28.90	-32.86
26-Jun-2008	24:00:00	-26.77	-29.98	-17.70	-31.69	-29.16	-32.70
27-Jun-2008	06:00:00	-27.25	-30.13	-17.18	-31.39	-29.48	-32.70
27-Jun-2008	12:00:00	-27.76	-30.26	-17.01	-32.61	-29.86	-32.86
27-Jun-2008	18:00:00	-28.19	-30.53	-17.88	-33.19	-30.20	-32.82
27-Jun-2008	24:00:00	-28.36	-30.57	-18.06	-31.89	-30.24	-32.60
28-Jun-2008	06:00:00	-28.74	-30.56	-17.42	-31.63	-30.64	-32.72
28-Jun-2008	12:00:00	-29.26	-30.75	-17.24	-32.99	-31.10	-32.92
28-Jun-2008	18:00:00	-29.63	-31.10	-18.26	-33.38	-31.32	-32.68
28-Jun-2008	24:00:00	-29.75	-31.00	-18.27	-32.37	-31.60	-32.69
29-Jun-2008	06:00:00	-30.13	-31.18	-17.73	-31.91	-31.74	-32.58
29-Jun-2008	12:00:00	-30.34	-31.19	-17.49	-33.29	-32.26	-32.75
29-Jun-2008	18:00:00	-30.72	-31.55	-18.39	-33.59	-32.46	-32.65
29-Jun-2008	24:00:00	-30.76	-31.48	-18.45	-32.46	-32.79	-32.52
30-Jun-2008	06:00:00	-31.11	-31.60	-17.86	-31.93	-32.98	-32.54
30-Jun-2008	12:00:00	-31.30	-31.59	-17.58	-33.44	-33.48	-32.76
30-Jun-2008	18:00:00	-31.71	-31.95	-18.48	-33.75	-33.62	-32.65
30-Jun-2008	24:00:00	-31.77	-32.03	-18.58	-32.88	-33.97	-32.69
1-Jul-2008	06:00:00	-32.13	-32.15	-18.11	-32.52	-34.29	-32.58
1-Jul-2008	12:00:00	-32.49	-32.35	-17.97	-33.90	-34.59	-32.72
1-Jul-2008	18:00:00	-32.91	-32.65	-18.96	-34.44	-35.00	-32.66
1-Jul-2008	24:00:00	-32.99	-32.95	-18.95	-33.39	-35.11	-32.57
2-Jul-2008	06:00:00	-33.17	-33.04	-18.34	-32.83	-35.46	-32.62
2-Jul-2008	12:00:00	-33.55	-33.25	-18.14	-34.19	-35.91	-32.69
2-Jul-2008	18:00:00	-33.73	-33.62	-19.06	-34.64	-36.14	-32.66
2-Jul-2008	24:00:00	-33.67	-33.75	-19.07	-33.65	-36.36	-32.62
3-Jul-2008	06:00:00	-34.02	-33.86	-18.60	-33.27	-36.73	-32.68
3-Jul-2008	12:00:00	-34.24	-34.05	-18.36	-34.64	-36.82	-32.76
3-Jul-2008	18:00:00	-34.57	-34.30	-19.42	-34.92	-36.73	-32.68
3-Jul-2008	24:00:00	-34.49	-34.45	-19.38	-33.84	-36.67	-32.56
4-Jul-2008	06:00:00	-34.55	-34.51	-18.80	-33.45	-36.61	-32.64
4-Jul-2008	12:00:00	-34.77	-34.59	-18.54	-34.70	-36.61	-32.68
4-Jul-2008	18:00:00	-34.99	-34.82	-19.43	-35.22	-36.76	-32.75
4-Jul-2008	24:00:00	-35.02	-34.97	-19.67	-34.09	-36.56	-32.63
5-Jul-2008	06:00:00	-35.27	-35.20	-18.95	-33.45	-36.63	-32.72
5-Jul-2008	12:00:00	-35.38	-35.23	-18.62	-34.53	-36.73	-32.64
5-Jul-2008	18:00:00	-35.52	-35.32	-19.22	-34.34	-36.56	-32.60
5-Jul-2008	24:00:00	-35.52	-35.27	-19.23	-33.63	-36.52	-32.60
6-Jul-2008	06:00:00	-35.71	-35.42	-18.66	-33.30	-36.60	-32.64
6-Jul-2008	12:00:00	-35.89	-35.42	-18.59	-34.39	-36.63	-32.76

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
6-Jul-2008	18:00:00	-36.15	-35.65	-19.34	-34.40	-36.61	-32.59
6-Jul-2008	24:00:00	-36.01	-35.54	-19.13	-33.09	-11.70	-24.01
7-Jul-2008	06:00:00	-31.63	-23.65	-16.46	-32.82	-10.96	-26.42
7-Jul-2008	12:00:00	-32.55	-25.76	-16.73	-33.08	-11.24	-28.57
7-Jul-2008	18:00:00	-32.89	-27.15	-17.30	-33.72	-11.67	-30.48
7-Jul-2008	24:00:00	-32.82	-28.13	-17.67	-32.65	-11.23	-31.69
8-Jul-2008	06:00:00	-32.64	-28.71	-17.26	-32.54	-11.52	-32.90
8-Jul-2008	12:00:00	-32.76	-29.59	-17.24	-33.27	-12.32	-32.94
8-Jul-2008	18:00:00	-32.98	-30.34	-17.91	-33.43	-12.82	-32.92
8-Jul-2008	24:00:00	-32.93	-30.77	-18.05	-31.88	-5.14	-21.84
9-Jul-2008	06:00:00	-30.72	-22.07	-16.02	-31.82	-8.16	-24.08
9-Jul-2008	12:00:00	-30.83	-23.72	-16.30	-32.17	-9.88	-25.67
9-Jul-2008	18:00:00	-30.52	-25.22	-16.60	-32.66	-11.86	-27.29
9-Jul-2008	24:00:00	-30.03	-26.26	-17.08	-30.50	-0.70	-19.07
10-Jul-2008	06:00:00	-19.17	-22.18	-14.88	-30.00	-1.30	-21.17
10-Jul-2008	12:00:00	-18.60	-8.71	-15.35	-30.62	-1.93	-23.16
10-Jul-2008	18:00:00	-18.30	-13.70	-15.94	-31.73	-2.91	-25.02
10-Jul-2008	24:00:00	-18.51	-17.38	-16.17	-30.77	-1.95	-26.38
11-Jul-2008	06:00:00	-17.94	-18.71	-16.12	-30.39	-2.37	-27.46
11-Jul-2008	12:00:00	-17.49	-19.52	-16.01	-30.55	-3.09	-28.64
11-Jul-2008	18:00:00	-17.45	-20.68	-16.34	-31.71	-4.59	-29.96
11-Jul-2008	24:00:00	-18.35	-21.83	-16.85	-30.92	-5.29	-30.79
12-Jul-2008	06:00:00	-18.22	-22.71	-16.58	-30.56	-6.12	-31.63
12-Jul-2008	12:00:00	-18.29	-23.43	-16.52	-31.99	-7.23	-32.71
12-Jul-2008	18:00:00	-19.14	-24.28	-17.09	-32.34	-10.92	-33.01
12-Jul-2008	24:00:00	-20.22	-25.06	-17.46	-31.15	-12.99	-32.84
13-Jul-2008	06:00:00	-20.22	-25.55	-17.01	-30.89	-14.18	-32.98
13-Jul-2008	12:00:00	-20.27	-26.01	-16.92	-31.99	-15.24	-33.04
13-Jul-2008	18:00:00	-21.11	-26.91	-17.70	-32.48	-15.87	-33.00
13-Jul-2008	24:00:00	-22.24	-27.32	-17.87	-31.64	-16.81	-32.81
14-Jul-2008	06:00:00	-22.62	-27.81	-17.56	-31.43	-17.56	-32.81
14-Jul-2008	12:00:00	-23.04	-28.33	-17.39	-31.67	-18.44	-32.93
14-Jul-2008	18:00:00	-23.57	-28.87	-17.64	-31.80	-18.92	-32.93
14-Jul-2008	24:00:00	-24.04	-29.23	-17.64	-31.45	-19.29	-32.84
15-Jul-2008	06:00:00	-24.33	-29.67	-17.56	-31.27	-19.68	-32.76
15-Jul-2008	12:00:00	-24.52	-29.97	-17.31	-32.31	-20.35	-32.90
15-Jul-2008	18:00:00	-25.26	-30.53	-18.04	-33.15	-20.70	-32.88
15-Jul-2008	24:00:00	-26.09	-31.04	-18.40	-32.21	-20.90	-32.80
16-Jul-2008	06:00:00	-26.51	-31.16	-17.94	-32.03	-21.46	-32.88
16-Jul-2008	12:00:00	-27.01	-31.66	-17.98	-33.09	-21.93	-32.80
16-Jul-2008	18:00:00	-27.49	-32.14	-18.80	-33.74	-22.39	-32.72
16-Jul-2008	24:00:00	-28.21	-32.48	-18.96	-32.77	-22.58	-32.62
17-Jul-2008	06:00:00	-28.55	-32.61	-18.48	-32.43	-22.96	-32.62
17-Jul-2008	12:00:00	-28.80	-32.79	-18.30	-33.62	-23.55	-32.77
17-Jul-2008	18:00:00	-29.25	-33.22	-19.19	-34.04	-23.84	-32.66
17-Jul-2008	24:00:00	-29.56	-33.44	-19.25	-33.11	-24.03	-32.64
18-Jul-2008	06:00:00	-29.92	-33.62	-18.71	-32.77	-24.37	-32.72
18-Jul-2008	12:00:00	-30.29	-33.85	-18.51	-33.66	-24.82	-32.80
18-Jul-2008	18:00:00	-30.69	-34.00	-19.26	-33.77	-25.08	-32.78
18-Jul-2008	24:00:00	-30.82	-34.22	-19.24	-32.97	-25.23	-32.63

Date	Time	Water Level (inches)					
		BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
19-Jul-2008	06:00:00	-30.96	-34.19	-18.58	-32.72	-25.72	-32.81
19-Jul-2008	12:00:00	-31.33	-34.55	-18.54	-33.17	-25.92	-32.62
19-Jul-2008	18:00:00	-31.38	-34.53	-18.77	-29.70	0.66	-17.20
19-Jul-2008	24:00:00	-12.12	-3.10	-14.93	-28.81	-0.74	-21.14
20-Jul-2008	06:00:00	-10.14	-3.91	-14.91	-28.46	-1.04	-23.40
20-Jul-2008	12:00:00	-9.00	-5.05	-14.94	-29.71	-1.82	-23.90
20-Jul-2008	18:00:00	-9.83	-6.14	-15.40	-30.84	-3.22	-23.18
20-Jul-2008	24:00:00	-10.33	-7.95	-15.70	-29.70	-3.63	-18.85
21-Jul-2008	06:00:00	-9.11	-9.11	-15.29	-29.33	-4.35	-16.18
21-Jul-2008	12:00:00	-8.99	-10.22	-15.30	-31.05	-6.19	-15.92
21-Jul-2008	18:00:00	-11.10	-12.02	-16.05	-32.21	-10.00	-18.98
21-Jul-2008	24:00:00	-11.98	-14.95	-16.28	-30.96	-11.16	-18.83
22-Jul-2008	06:00:00	-10.92	-16.75	-16.08	-30.33	-11.97	-17.47
22-Jul-2008	12:00:00	-10.74	-18.15	-15.89	-32.15	-13.17	-20.14
22-Jul-2008	18:00:00	-12.71	-19.60	-16.67	-32.43	-14.43	-24.47
22-Jul-2008	24:00:00	-13.69	-20.67	-16.82	-31.56	-14.44	-26.10
23-Jul-2008	06:00:00	-8.27	-7.47	-16.46	-31.10	-14.67	-27.36
23-Jul-2008	12:00:00	-8.93	-9.16	-16.35	-31.68	-15.36	-29.35
23-Jul-2008	18:00:00	-10.37	-10.65	-16.89	-31.32	-14.11	-30.90
23-Jul-2008	24:00:00	-8.81	-7.93	-16.52	-30.87	-12.97	-31.84
24-Jul-2008	06:00:00	-8.41	-8.11	-16.47	-30.72	-13.08	-32.68
24-Jul-2008	12:00:00	-8.97	-8.79	-16.37	-31.67	-14.11	-32.94
24-Jul-2008	18:00:00	-10.96	-10.43	-16.89	-32.37	-15.64	-32.82
24-Jul-2008	24:00:00	-12.51	-13.90	-17.33	-31.58	-16.57	-32.56
25-Jul-2008	06:00:00	-11.88	-15.81	-16.95	-31.37	-17.37	-32.65
25-Jul-2008	12:00:00	-11.83	-17.38	-16.95	-31.83	-18.08	-32.74
25-Jul-2008	18:00:00	-12.48	-18.68	-17.25	-32.41	-18.66	-32.77
25-Jul-2008	24:00:00	-13.44	-19.61	-17.63	-31.81	-19.02	-32.70
26-Jul-2008	06:00:00	-12.99	-20.50	-17.21	-31.51	-19.54	-32.70
26-Jul-2008	12:00:00	-12.91	-21.16	-17.07	-32.09	-20.00	-32.76
26-Jul-2008	18:00:00	-13.90	-22.28	-17.51	-32.61	-20.22	-32.68
26-Jul-2008	24:00:00	-14.74	-22.89	-17.73	-31.91	-20.48	-32.65
27-Jul-2008	06:00:00	-14.34	-23.48	-17.40	-31.56	-20.78	-32.69
27-Jul-2008	12:00:00	-14.29	-23.97	-17.36	-32.25	-21.33	-32.74
27-Jul-2008	18:00:00	-15.24	-24.68	-17.91	-32.76	-21.68	-32.68
27-Jul-2008	24:00:00	-16.59	-25.27	-18.15	-32.04	-21.78	-32.60
28-Jul-2008	06:00:00	-16.39	-25.76	-17.69	-31.91	-22.10	-32.57
28-Jul-2008	12:00:00	-16.62	-26.31	-17.61	-33.09	-22.71	-32.89
28-Jul-2008	18:00:00	-17.86	-27.01	-18.53	-33.66	-23.10	-32.64
28-Jul-2008	24:00:00	-19.33	-27.69	-18.70	-33.02	-23.46	-32.70
29-Jul-2008	06:00:00	-19.31	-28.39	-18.51	-32.61	-23.74	-32.80
29-Jul-2008	12:00:00	-19.24	-28.79	-18.32	-33.56	-24.12	-32.81
29-Jul-2008	18:00:00	-20.26	-29.32	-18.96	-33.93	-24.39	-32.75
29-Jul-2008	24:00:00	-21.36	-29.83	-19.25	-33.06	-24.58	-32.52
30-Jul-2008	06:00:00	-21.35	-29.92	-18.63	-32.78	-24.87	-32.71
30-Jul-2008	12:00:00	-21.58	-30.31	-18.53	-33.72	-25.27	-32.78
30-Jul-2008	18:00:00	-22.35	-30.70	-19.32	-33.57	-21.12	-32.59
30-Jul-2008	24:00:00	-15.19	-27.94	-17.90	-32.85	-21.09	-32.60
31-Jul-2008	06:00:00	-16.97	-26.07	-18.26	-32.54	-21.45	-32.59
31-Jul-2008	12:00:00	-17.31	-26.20	-18.03	-33.31	-22.15	-32.71

Date	Time	Water Level (inches)					
dd-mmm-yyyy	hh:mm:ss	BD AW1	BD AW2	BD AW3	BD AW4	BD AW5	BD AW6
31-Jul-2008	18:00:00	-18.47	-26.93	-18.82	-33.31	-0.40	-22.39
31-Jul-2008	24:00:00	-18.47	-8.89	-18.82	-31.51	-1.28	-25.66

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
1-Jan-2008							
1-Jan-2008							
1-Jan-2008							
1-Jan-2008							
2-Jan-2008							
2-Jan-2008							
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10-Jan-2008							
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10-Jan-2008							
11-Jan-2008							
11-Jan-2008							
11-Jan-2008							
11-Jan-2008							
12-Jan-2008							
12-Jan-2008							
12-Jan-2008							
12-Jan-2008							
13-Jan-2008							
13-Jan-2008							

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
13-Jan-2008							
13-Jan-2008							
14-Jan-2008							
14-Jan-2008							
14-Jan-2008							
14-Jan-2008							
15-Jan-2008							
15-Jan-2008							
15-Jan-2008							
15-Jan-2008							
16-Jan-2008							
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25-Jan-2008							
25-Jan-2008							
25-Jan-2008							
25-Jan-2008							

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
26-Jan-2008							
26-Jan-2008							
26-Jan-2008							
26-Jan-2008							
27-Jan-2008							
27-Jan-2008							
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31-Jan-2008							
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6-Feb-2008							
7-Feb-2008							
7-Feb-2008							

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
7-Feb-2008							
7-Feb-2008							
8-Feb-2008							
8-Feb-2008							
8-Feb-2008							
8-Feb-2008							
9-Feb-2008							
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17-Feb-2008							
18-Feb-2008							
18-Feb-2008							
18-Feb-2008							
18-Feb-2008							
19-Feb-2008							
19-Feb-2008	-34.08	-43.01				-45.04	
19-Feb-2008	-33.91	-42.92		-33.41	-54.07	-45.11	
19-Feb-2008	-33.77	-42.79		-33.26	-54.07	-44.99	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
20-Feb-2008	-34.03	-42.83		-33.24	-54.07	-44.95	
20-Feb-2008	-34.05	-42.89		-33.28	-54.07	-44.92	
20-Feb-2008	-33.89	-42.78		-33.24	-54.07	-44.92	
20-Feb-2008	-33.69	-42.75		-33.26	-54.07	-44.96	
21-Feb-2008	-33.87	-42.75		-33.23	-54.07	-44.90	
21-Feb-2008	-33.94	-42.85		-33.15	-54.07	-44.90	
21-Feb-2008	-33.85	-42.78		-33.16	-54.07	-44.95	
21-Feb-2008	-33.87	-42.87		-33.21	-54.07	-44.97	
22-Feb-2008	-33.88	-42.89		-33.24	-54.07	-44.97	
22-Feb-2008	-34.01	-42.91		-33.30	-54.07	-45.13	
22-Feb-2008	-33.85	-42.86		-33.18	-54.07	-44.97	
22-Feb-2008	-33.73	-42.65		-33.06	-54.07	-44.86	
23-Feb-2008	-33.91	-42.71		-33.16	-54.07	-44.92	
23-Feb-2008	-33.81	-42.72		-33.09	-54.07	-44.87	
23-Feb-2008	-33.82	-42.77		-33.28	-54.07	-45.02	
23-Feb-2008	-33.70	-42.73		-33.20	-54.07	-44.85	
24-Feb-2008	-33.66	-42.78		-33.15	-54.07	-44.86	
24-Feb-2008	-33.90	-42.84		-33.20	-54.07	-44.99	
24-Feb-2008	-33.81	-42.83		-33.14	-54.07	-44.95	
24-Feb-2008	-33.73	-42.79		-33.04	-54.07	-44.97	
25-Feb-2008	-33.81	-42.84		-33.21	-54.07	-44.95	
25-Feb-2008	-33.94	-42.84		-33.22	-54.07	-44.98	
25-Feb-2008	-33.72	-42.78		-33.12	-54.07	-44.99	
25-Feb-2008	-33.73	-42.84		-33.27	-54.07	-44.99	
26-Feb-2008	-33.85	-42.81		-33.24	-54.07	-45.04	
26-Feb-2008	-33.82	-42.86		-33.22	-54.07	-45.07	
26-Feb-2008	-33.75	-42.79		-33.16	-54.07	-44.96	
26-Feb-2008	-33.77	-42.75		-33.17	-54.07	-44.95	
27-Feb-2008	-33.69	-42.68		-33.12	-54.07	-44.95	
27-Feb-2008	-33.75	-42.83		-33.06	-54.07	-44.85	
27-Feb-2008	-33.64	-42.87		-33.16	-54.07	-44.96	
27-Feb-2008	-35.44	-44.39		-34.85	-54.07	-46.55	
28-Feb-2008	-39.13	-47.93		-38.28	-54.07	-50.09	
28-Feb-2008	-39.41	-48.13		-38.64	-54.07	-50.31	
28-Feb-2008	-33.58	-42.44		-32.91	-54.07	-44.63	
28-Feb-2008	-33.19	-42.06		-32.55	-54.07	-44.27	
29-Feb-2008	-33.34	-42.14		-32.58	-54.07	-44.21	
29-Feb-2008	-33.24	-41.94		-32.55	-54.07	-44.11	
29-Feb-2008	-32.43	-41.46		-31.88	-54.07	-43.67	
29-Feb-2008	-38.67	-47.85		-38.20	-54.07	-49.99	
1-Mar-2008	-39.36	-48.55		-38.76	-54.07	-50.49	
1-Mar-2008	-39.04	-48.23		-38.58	-54.07	-50.23	
1-Mar-2008	-38.70	-47.82		-38.19	-54.07	-49.96	
1-Mar-2008	-38.35	-47.47		-37.79	-54.07	-49.61	
2-Mar-2008	-38.63	-47.70		-37.95	-54.07	-49.72	
2-Mar-2008	-38.77	-47.85		-38.14	-54.07	-49.84	
2-Mar-2008	-38.92	-47.93		-38.30	-54.07	-50.06	
2-Mar-2008	-38.47	-47.70		-37.95	-54.07	-49.79	
3-Mar-2008	-38.74	-47.88		-38.21	-54.07	-49.93	
3-Mar-2008	-38.80	-47.84		-38.22	-54.07	-49.99	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
3-Mar-2008	-38.40	-47.45		-37.72	-54.07	-49.69	
3-Mar-2008	-38.67	-47.67		-38.04	-54.07	-49.84	
4-Mar-2008	-38.56	-47.54		-38.00	-54.07	-49.76	
4-Mar-2008	-38.64	-47.52		-38.04	-54.07	-49.78	
4-Mar-2008	-33.81	-42.78		-33.26	-54.07	-44.89	
4-Mar-2008	-36.75	-45.48		-35.99	-54.07	-47.54	
5-Mar-2008	-36.28	-45.25		-35.73	-54.07	-47.35	
5-Mar-2008	-36.54	-45.54		-35.93	-54.07	-47.60	
5-Mar-2008	-33.78	-42.79		-33.04	-54.07	-32.80	
5-Mar-2008	-33.81	-41.70		-1.76	-54.07	-25.17	
6-Mar-2008	-33.75	-21.50		-1.94	-54.07	-17.73	
6-Mar-2008	-33.71	-17.93		-2.20	-54.07	-12.08	
6-Mar-2008	-33.63	-18.19		-2.42	-54.07	-8.93	
6-Mar-2008	-32.83	-19.38		-2.49	-54.07	-7.15	
7-Mar-2008	-26.29	-20.77		-2.81	-54.07	-6.75	
7-Mar-2008	-21.17	-22.19		-2.87	-54.07	-6.13	
7-Mar-2008	-17.16	-21.72		-2.48	-54.07	-5.29	
7-Mar-2008	-11.89	-20.49		1.42	-54.07	-3.74	
8-Mar-2008	-8.85	-20.70		-0.05	-54.07	-3.19	
8-Mar-2008	-7.20	-20.58		-0.64	-54.07	-2.68	
8-Mar-2008	-6.91	-20.59		-0.90	-54.07	-2.35	
8-Mar-2008	-6.75	-20.93		-1.40	-54.07	-3.01	
9-Mar-2008	-6.76	-20.87		-1.73	-54.07	-3.70	
9-Mar-2008	-6.85	-20.65		-2.01	-54.07	-4.13	
9-Mar-2008	-6.65	-20.41		-2.20	-54.07	-4.29	
9-Mar-2008	-6.21	-18.73		-2.32	-54.07	-4.29	
10-Mar-2008	-6.13	-18.30		-2.58	-54.07	-4.47	
10-Mar-2008	-6.24	-19.47		-2.70	-54.07	-4.61	
10-Mar-2008	-6.18	-19.69		-2.82	-54.07	-4.45	
10-Mar-2008	-5.76	-16.50		-2.94	-54.07	-4.41	
11-Mar-2008	-5.92	-15.50		-2.86	-54.07	-4.53	
11-Mar-2008	-6.22	-17.52		-3.15	-54.07	-4.58	
11-Mar-2008	-6.36	-18.68		-3.24	-54.07	-4.69	
11-Mar-2008	-6.18	-20.19		-3.08	-54.07	-4.77	
12-Mar-2008	-6.39	-21.42		-3.18	-54.07	-4.82	
12-Mar-2008	-6.79	-23.45		-3.22	-54.07	-4.79	
12-Mar-2008	-7.26	-25.49		-3.54	-54.07	-5.26	
12-Mar-2008	-7.73	-26.61		-3.51	-54.07	-6.23	
13-Mar-2008	-8.63	-28.56		-3.63	-54.07	-7.21	
13-Mar-2008	-9.37	-29.37		-3.65	-54.07	-7.61	
13-Mar-2008	-10.07	-30.47		-3.93	-54.07	-8.01	
13-Mar-2008	-10.18	-30.71		-3.83	-54.07	-8.45	
14-Mar-2008	-11.19	-32.82		-3.88	-54.07	-9.13	
14-Mar-2008	-12.31	-33.85		-3.96	-54.07	-9.37	
14-Mar-2008	-13.01	-34.44		-4.02	-54.07	-9.33	
14-Mar-2008	-13.45	-34.13		-4.05	-54.07	-9.47	
15-Mar-2008	-14.34	-35.58		-4.25	-54.07	-10.29	
15-Mar-2008	-15.31	-36.87		-4.31	-54.07	-10.64	
15-Mar-2008	-15.99	-37.77		-4.26	-54.07	-10.89	
15-Mar-2008	-15.90	-28.49		-2.66	-54.07	-10.31	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
16-Mar-2008	-13.47	-8.81		0.51	-54.07	-7.66	
16-Mar-2008	-11.92	-8.76		-0.54	-54.07	-6.27	
16-Mar-2008	-11.16	-8.93		-1.26	-54.07	-5.95	
16-Mar-2008	-10.17	-8.54		-1.55	-54.07	-5.31	
17-Mar-2008	-9.73	-8.81		-1.85	-54.07	-5.32	
17-Mar-2008	-9.48	-8.82		-2.15	-54.07	-5.26	
17-Mar-2008	-9.12	-8.94		-2.38	-54.07	-5.15	
17-Mar-2008	-8.49	-8.89		-2.58	-54.07	-4.91	
18-Mar-2008	-8.29	-9.27		-2.84	-54.07	-4.99	
18-Mar-2008	-8.17	-9.50		-2.94	-54.07	-5.00	
18-Mar-2008	-8.07	-9.57		-2.99	-54.07	-4.79	
18-Mar-2008	-7.50	-9.42		-3.12	-54.07	-4.49	
19-Mar-2008	-7.39	-9.79		-3.22	-54.07	-4.17	
19-Mar-2008	-7.48	-10.37		-3.28	-54.07	-4.01	
19-Mar-2008	-7.48	-10.59		-3.47	-54.07	-3.91	
19-Mar-2008	-7.05	-11.82		-3.36	-54.07	-3.81	
20-Mar-2008	-7.07	-9.35		-2.82	-54.07	-3.46	
20-Mar-2008	-6.97	-9.61		-2.68	-54.07	-2.95	
20-Mar-2008	-7.78	-9.71		-2.99	-54.07	-3.58	
20-Mar-2008	-8.19	-10.63		-3.24	-54.07	-4.09	
21-Mar-2008	-8.99	-12.59		-3.34	-54.07	-5.09	
21-Mar-2008	-9.64	-13.81		-3.34	-54.07	-5.69	
21-Mar-2008	-9.96	-14.76		-3.46	-54.07	-6.26	
21-Mar-2008	-10.07	-18.24		-3.80	-54.07	-6.77	
22-Mar-2008	-10.77	-20.65		-3.56	-54.07	-7.24	
22-Mar-2008	-11.41	-21.96		-3.62	-54.07	-7.42	
22-Mar-2008	-12.18	-23.04		-3.81	-54.07	-7.57	
22-Mar-2008	-12.78	-23.97		-3.93	-54.07	-8.36	
23-Mar-2008	-13.78	-26.75		-3.94	-54.07	-9.43	
23-Mar-2008	-14.79	-28.26		-3.98	-54.07	-10.09	
23-Mar-2008	-15.94	-29.18		-4.22	-54.07	-10.85	
23-Mar-2008	-16.87	-28.83		-4.40	-54.07	-11.63	
24-Mar-2008	-17.55	-29.37		-4.34	-54.07	-12.14	
24-Mar-2008	-18.34	-29.78		-4.43	-54.07	-12.55	
24-Mar-2008	-19.01	-30.24		-4.68	-54.07	-12.87	
24-Mar-2008	-19.74	-29.97		-4.68	-54.07	-13.27	
25-Mar-2008	-20.49	-30.93		-4.72	-54.07	-13.82	
25-Mar-2008	-21.27	-31.55		-4.83	-54.07	-14.33	
25-Mar-2008	-21.97	-32.41		-5.04	-54.07	-14.91	
25-Mar-2008	-22.49	-31.69		-5.20	-54.07	-15.19	
26-Mar-2008	-23.04	-31.73		-5.19	-54.07	-15.52	
26-Mar-2008	-23.59	-31.79		-5.31	-54.07	-16.00	
26-Mar-2008	-24.17	-31.71		-5.61	-54.07	-16.39	0
26-Mar-2008	-24.61	-31.22		-5.92	-54.07	-16.41	
27-Mar-2008	-25.09	-31.50		-5.75	-54.07	-16.82	
27-Mar-2008	-25.68	-31.56		-5.93	-54.07	-17.23	
27-Mar-2008	-26.22	-31.41		-6.22	-54.07	-17.53	
27-Mar-2008	-26.55	-30.37		-6.42	-54.07	-17.63	
28-Mar-2008	-26.98	-30.36		-6.29	-54.07	-17.80	
28-Mar-2008	-27.40	-30.26		-6.30	-54.07	-17.97	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
28-Mar-2008	-27.81	-30.69		-6.70	-54.07	-18.39	
28-Mar-2008	-28.17	-30.20		-6.83	-54.07	-18.37	
29-Mar-2008	-28.68	-30.86		-6.90	-54.07	-18.70	
29-Mar-2008	-29.31	-31.64		-6.98	-54.07	-19.11	
29-Mar-2008	-29.93	-32.81		-7.19	-54.07	-19.59	
29-Mar-2008	-30.46	-33.11		-7.47	-54.07	-19.87	
30-Mar-2008	-31.05	-33.42		-7.58	-54.07	-20.32	
30-Mar-2008	-31.24	-33.50		-7.53	-54.07	-20.63	
30-Mar-2008	-31.90	-33.75		-7.48	-54.07	-20.96	
30-Mar-2008	-32.38	-33.75		-6.70	-54.07	-21.37	
31-Mar-2008	-32.88	-33.63		-5.93	-54.07	-21.40	
31-Mar-2008	-33.19	-32.97		-6.03	-54.07	-21.02	
31-Mar-2008	-33.47	-21.35		-4.78	-54.07	-16.18	
31-Mar-2008	-12.87	-4.95		-3.18	-54.07	-10.45	
1-Apr-2008	-9.33	-4.34		-2.42	-54.07	-9.77	
1-Apr-2008	-8.89	-4.11		-2.03	-54.07	-7.48	
1-Apr-2008	-8.61	-3.99		-2.21	-54.07	-5.92	
1-Apr-2008	-8.26	-3.93		-2.37	-54.07	-4.94	
2-Apr-2008	-8.46	-3.79		-2.36	-54.07	-4.04	
2-Apr-2008	-8.62	-3.75		-2.56	-54.07	-3.80	
2-Apr-2008	-8.83	-4.31		-2.88	-54.07	-3.99	
2-Apr-2008	-8.82	-4.91		-3.16	-54.07	-4.21	
3-Apr-2008	-9.31	-6.29		-3.35	-54.07	-4.72	
3-Apr-2008	-9.75	-7.64		-3.46	-54.07	-5.21	
3-Apr-2008	-9.81	-8.58		-3.56	-54.07	-4.49	
3-Apr-2008	-9.63	-9.23		-3.68	-54.07	-3.91	
4-Apr-2008	-8.87	-5.70		-3.36	-54.07	-2.37	
4-Apr-2008	-8.83	-5.45		-3.40	-54.07	-1.90	
4-Apr-2008	-9.09	-5.45		-3.44	-54.07	-1.78	
4-Apr-2008	-8.94	-5.58		-3.56	-54.07	-1.93	
5-Apr-2008	-8.73	-5.04		-2.76	-54.07	-1.93	
5-Apr-2008	-7.51	-4.19		0.57	-54.07	-0.99	
5-Apr-2008	-6.96	-2.83		3.26	-54.07	-0.64	
5-Apr-2008	-5.87	-2.64		4.33	-54.07	0.35	
6-Apr-2008	-6.22	-2.91		0.58	-54.07	-0.04	
6-Apr-2008	-6.60	-2.69		-0.56	-54.07	-0.47	
6-Apr-2008	-6.96	-2.64		-0.89	-54.07	-0.68	
6-Apr-2008	-7.41	-2.52		-1.35	-54.07	-0.92	
7-Apr-2008	-7.50	-2.54		-1.43	-54.07	-1.13	
7-Apr-2008	-7.43	-2.30		-1.53	-54.07	-1.24	
7-Apr-2008	-7.39	-2.40		-1.80	-54.07	-1.33	
7-Apr-2008	-7.35	-2.24		-1.86	-54.07	-1.04	
8-Apr-2008	-7.66	-2.43		-2.06	-54.07	-1.29	
8-Apr-2008	-7.78	-2.54		-2.18	-54.07	-1.49	
8-Apr-2008	-7.85	-2.48		-2.34	-54.07	-1.75	
8-Apr-2008	-7.73	-2.63		-2.46	-54.07	-1.81	
9-Apr-2008	-8.03	-2.81		-2.43	-54.07	-2.02	
9-Apr-2008	-8.29	-2.89		-2.60	-54.07	-1.99	
9-Apr-2008	-8.52	-2.89		-2.64	-54.07	-2.26	
9-Apr-2008	-8.56	-3.13		-2.82	-54.07	-2.84	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
10-Apr-2008	-8.77	-3.77		-2.86	-54.07	-3.31	
10-Apr-2008	-9.16	-4.15		-2.96	-54.07	-3.45	
10-Apr-2008	-9.42	-4.39		-3.11	-54.07	-3.68	
10-Apr-2008	-9.27	-5.01		-3.14	-54.07	-4.81	
11-Apr-2008	-9.30	-5.43		-3.09	-54.07	-5.59	
11-Apr-2008	-9.54	-6.12		-3.09	-54.07	-5.91	
11-Apr-2008	-9.54	-6.48		-3.21	-54.07	-6.03	
11-Apr-2008	-9.51	-8.10		-3.17	-6.05	-7.72	
12-Apr-2008	-10.20	-8.67		-3.29	-5.49	-9.05	
12-Apr-2008	-10.73	-9.13		-3.06	-6.16	-9.46	
12-Apr-2008	-11.58	-9.91		-3.17	-5.89	-10.05	
12-Apr-2008	-10.60	-2.65		-1.58	-4.39	-6.56	
13-Apr-2008	-9.51	-3.29		-1.86	-3.73	-5.23	
13-Apr-2008	-8.69	-3.61		-2.08	-4.47	-3.83	
13-Apr-2008	-8.52	-4.27		-2.32	-3.64	-3.75	
13-Apr-2008	-9.03	-5.81		-2.44	-4.99	-5.11	
14-Apr-2008	-10.15	-6.43		-2.62	-3.53	-6.87	
14-Apr-2008	-11.15	-7.09		-2.76	-4.81	-7.61	
14-Apr-2008	-12.10	-7.93		-2.79	-4.44	-8.44	
14-Apr-2008	-12.94	-9.05		-2.94	-5.23	-9.17	
15-Apr-2008	-13.85	-9.96		-3.05	-5.04	-9.95	
15-Apr-2008	-14.47	-10.61		-2.99	-5.86	-10.45	
15-Apr-2008	-15.49	-11.79		-3.21	-5.32	-11.24	
15-Apr-2008	-15.96	-12.57		-3.24	-7.06	-11.81	
16-Apr-2008	-16.80	-13.69		-3.32	-7.24	-12.68	
16-Apr-2008	-17.57	-14.52		-3.48	-8.38	-13.63	
16-Apr-2008	-18.25	-15.20		-3.46	-7.55	-14.32	
16-Apr-2008	-18.76	-15.09		-3.51	-10.18	-14.68	
17-Apr-2008	-19.43	-15.31		-3.50	-10.37	-15.09	
17-Apr-2008	-20.05	-15.31		-3.51	-11.26	-15.63	
17-Apr-2008	-20.59	-15.41		-3.52	-10.55	-15.92	
17-Apr-2008	-21.24	-15.18		-3.82	-12.23	-16.29	
18-Apr-2008	-21.72	-15.20		-3.70	-12.87	-16.55	
18-Apr-2008	-22.31	-15.35		-3.74	-14.26	-17.01	
18-Apr-2008	-22.98	-15.80		-3.93	-13.78	-17.39	
18-Apr-2008	-23.28	-15.84		-3.86	-15.59	-17.54	
19-Apr-2008	-23.77	-16.01		-3.82	-16.00	-18.08	
19-Apr-2008	-24.36	-15.92		-3.89	-17.03	-18.32	
19-Apr-2008	-24.85	-16.16		-3.99	-16.91	-18.70	
19-Apr-2008	-25.35	-15.84		-4.23	-18.46	-18.92	
20-Apr-2008	-25.72	-15.90		-4.13	-18.61	-19.00	
20-Apr-2008	-26.28	-15.47		-3.75	-19.25	-19.18	
20-Apr-2008	-26.81	-16.21		-4.00	-16.89	-19.67	
20-Apr-2008	-27.12	-16.40		-3.60	-17.52	-19.72	
21-Apr-2008	-27.64	-16.73		-3.65	-15.94	-19.99	
21-Apr-2008	-28.09	-16.62		-3.71	-16.30	-20.19	
21-Apr-2008	-28.67	-17.17		-3.80	-16.07	-20.55	
21-Apr-2008	-18.53	-2.46		-1.65	-15.97	-7.64	
22-Apr-2008	-10.49	-2.69		-1.62	-3.87	-5.48	
22-Apr-2008	-9.52	-2.11		-1.98	-4.36	-4.46	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
22-Apr-2008	-9.07	-2.21		7.78	-4.05	-13.61	
22-Apr-2008	-7.23	-2.61		8.43	-3.78	-13.76	
23-Apr-2008	-5.98	-2.94		9.06	-4.36	-13.99	
23-Apr-2008	-5.59	-3.11		9.36	-4.00	-14.09	
23-Apr-2008	-5.51	-3.65		9.37	-4.87	-14.23	
23-Apr-2008	-5.74	-4.85		8.64	-4.60	-14.41	
24-Apr-2008	-5.98	-5.61		8.49	-5.10	-14.47	
24-Apr-2008	-6.49	-6.68		8.38	-5.07	-14.55	
24-Apr-2008	-7.19	-8.81		7.80	-6.47	-14.73	
24-Apr-2008	-8.07	-12.06		5.28	-6.09	-14.75	
25-Apr-2008	-9.25	-12.89		4.42	-6.67	-14.74	
25-Apr-2008	-10.45	-13.35		4.03	-7.26	-14.81	
25-Apr-2008	-11.57	-14.46		3.64	-9.90	-15.01	
25-Apr-2008	-12.55	-16.01		1.98	-10.27	-15.09	
26-Apr-2008	-13.48	-16.31		0.91	-9.47	-15.11	
26-Apr-2008	-14.40	-16.09		0.57	-10.32	-15.04	
26-Apr-2008	-15.34	-16.77		-0.16	-12.54	-15.40	
26-Apr-2008	-15.78	-16.93		2.38	-4.77	-14.74	
27-Apr-2008	-16.54	-17.30		2.60	-5.15	-14.81	
27-Apr-2008	-17.28	-17.05		2.50	-5.10	-14.95	
27-Apr-2008	-17.88	-17.64		2.11	-6.42	-15.19	0
27-Apr-2008	-18.46	-17.17		2.80	-6.28	-14.99	
28-Apr-2008	-10.72	-2.53		7.86	-6.89	-12.99	
28-Apr-2008	-5.98	-2.19		9.40	-7.41	-13.06	
28-Apr-2008	-2.47	-1.80		10.04	-10.51	-12.59	
28-Apr-2008	-1.01	-1.19		10.41	-10.87	-11.21	
29-Apr-2008	-0.79	-1.33		10.59	-11.40	-11.74	
29-Apr-2008	-1.05	-1.59		10.39	-11.45	-12.51	
29-Apr-2008	-1.39	-1.87		10.10	-14.01	-13.12	
29-Apr-2008	-1.61	-1.89		9.66	-15.01	-13.47	
30-Apr-2008	-1.87	-1.92		9.42	-15.99	-13.78	
30-Apr-2008	-1.97	-1.86		9.49	-15.67	-13.81	
30-Apr-2008	-2.59	-2.36		8.83	-15.37	-14.19	
30-Apr-2008	-2.85	-3.05		7.29	-15.87	-14.35	
1-May-2008	-2.83	-3.56		6.64	-15.99	-14.43	
1-May-2008	-3.24	-4.26		6.25	-9.04	-14.51	
1-May-2008	-3.55	-6.08		5.62	-12.42	-14.78	
1-May-2008	-4.36	-8.89		3.13	-13.26	-14.87	
2-May-2008	-5.56	-9.45		1.82	-3.78	-14.86	
2-May-2008	-6.37	-9.66		1.27	-3.77	-14.83	
2-May-2008	-7.37	-11.00		0.51	-4.30	-15.01	
2-May-2008	-8.52	-11.94		-0.23	-4.09	-15.17	
3-May-2008	-9.73	-12.02		-0.84	-4.69	-14.98	
3-May-2008	-10.91	-11.45		-1.32	-2.97	-15.02	
3-May-2008	-12.12	-12.49		-1.86	-3.93	-15.34	
3-May-2008	-13.02	-12.97		-2.24	-3.11	-15.47	
4-May-2008	-13.96	-12.66		-2.61	-3.69	-15.43	
4-May-2008	-14.93	-12.24		-2.85	-3.39	-15.32	
4-May-2008	-15.90	-13.51		-3.39	-3.78	-15.68	
4-May-2008	-16.80	-14.28		-3.75	-3.69	-15.94	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
5-May-2008	-1.56	-1.71		5.61	-4.11	-14.41	
5-May-2008	-1.47	-1.85		7.68	-3.85	-14.56	
5-May-2008	-1.65	-2.01		8.64	-4.57	-14.85	
5-May-2008	-1.80	-2.12		9.21	-4.30	-14.95	
6-May-2008	-1.96	-1.99		9.50	-4.83	-15.05	
6-May-2008	-2.08	-2.09		9.68	-4.72	-15.10	
6-May-2008	-2.38	-2.66		9.43	-5.52	-15.38	
6-May-2008	-2.83	-3.51		8.22	-5.37	-15.64	
7-May-2008	-3.09	-3.98		8.08	-5.86	-15.62	
7-May-2008	-3.53	-4.34		8.30	-5.59	-15.50	
7-May-2008	-4.33	-7.05		7.29	-7.09	-16.07	
7-May-2008	-5.47	-10.43		4.38	-4.72	-16.31	
8-May-2008	-6.67	-10.43		2.64	-4.42	-16.09	
8-May-2008	-7.83	-10.15		2.11	-4.50	-16.16	
8-May-2008	-8.77	-10.27		1.89	-5.51	-15.98	
8-May-2008	-9.19	-10.05		2.72	-4.06	-16.05	
9-May-2008	-9.88	-9.30		2.44	-4.77	-16.04	
9-May-2008	-8.27	-4.51		5.06	-4.85	-14.86	
9-May-2008	-3.90	-6.07		8.22	-6.13	-15.55	
9-May-2008	-5.51	-9.65		6.32	-5.80	-15.98	
10-May-2008	-5.56	-6.55		6.76	-6.31	-13.10	
10-May-2008	-2.77	-3.73		10.15	-7.07	-13.25	
10-May-2008	-2.82	-4.95		10.24	-10.92	-13.79	
10-May-2008	-3.90	-8.75		9.03	-5.32	-14.19	
11-May-2008	-4.68	-9.67		8.70	-6.28	-14.33	
11-May-2008	-5.37	-9.66		8.64	-7.37	-14.60	
11-May-2008	-3.61	-2.41		10.86	-11.23	-13.67	
11-May-2008	-2.95	-2.15		10.90	-11.02	-13.82	
12-May-2008	-2.62	-2.00		10.87	-11.44	-13.71	
12-May-2008	-2.73	-2.31		10.59	-11.93	-14.01	
12-May-2008	-2.65	-3.05		10.38	-14.45	-14.21	
12-May-2008	-2.81	-3.81		9.81	-5.70	-14.31	
13-May-2008	-3.06	-4.68		9.63	-7.13	-14.49	
13-May-2008	-3.04	-5.47		9.45	-8.35	-14.79	
13-May-2008	-3.23	-7.56		8.66	-11.51	-15.07	
13-May-2008	-3.84	-11.00		6.28	-11.92	-15.39	
14-May-2008	-4.61	-11.40		5.53	-12.19	-15.43	
14-May-2008	-5.21	-11.48		5.40	-12.94	-15.51	
14-May-2008	-5.67	-12.83		4.93	-15.77	-15.81	
14-May-2008	-6.63	-13.45		3.03	-16.42	-15.87	
15-May-2008	-7.66	-12.99		2.06	-17.20	-15.82	
15-May-2008	-8.52	-12.48		1.84	-17.40	-15.83	
15-May-2008	-9.59	-12.86		1.47	-19.00	-15.99	
15-May-2008	-10.47	-13.49		0.87	-19.54	-16.15	
16-May-2008	-10.72	-11.99		4.63	-20.61	-15.23	
16-May-2008	-7.62	-7.89		8.49	-19.60	-14.85	
16-May-2008	-6.84	-9.30		9.27	-19.19	-15.17	
16-May-2008	-7.50	-10.97		7.41	-19.01	-15.46	
17-May-2008	-8.43	-12.18		6.58	-19.50	-15.09	
17-May-2008	-9.51	-12.79		5.43	-20.14	-15.29	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
17-May-2008	-10.62	-13.81		4.20	-21.46	-15.68	
17-May-2008	-11.73	-14.49		2.05	-21.93	-15.98	
18-May-2008	-12.70	-14.11		0.80	-22.72	-15.89	
18-May-2008	-13.59	-13.03		0.14	-22.84	-15.87	
18-May-2008	-14.53	-13.47		-0.57	-23.63	-16.40	
18-May-2008	-15.33	-14.25		-0.87	-23.45	-16.45	
19-May-2008	-16.37	-14.97		-1.16	-23.94	-15.77	
19-May-2008	-17.07	-15.23		-1.24	-24.71	-15.93	
19-May-2008	-17.86	-16.20		-1.68	-24.73	-16.41	
19-May-2008	-18.48	-17.11		-2.12	-25.31	-16.77	
20-May-2008	-19.17	-16.82		-2.66	-25.44	-16.63	
20-May-2008	-20.04	-15.21		-3.18	-25.49	-16.75	
20-May-2008	-20.38	-15.42		-3.50	-24.69	-17.00	
20-May-2008	-20.87	-16.05		-3.57	-25.13	-16.18	
21-May-2008	-21.76	-16.75		-3.57	-25.18	-15.79	
21-May-2008	-22.29	-16.32		-3.62	-25.61	-15.97	
21-May-2008	-22.90	-17.07		-3.93	-25.53	-16.48	
21-May-2008	-23.45	-17.89		-4.32	-25.99	-16.70	
22-May-2008	-23.92	-18.12		-4.88	-26.02	-16.75	
22-May-2008	-24.52	-18.07		-5.51	-26.57	-16.72	
22-May-2008	-25.14	-19.21		-6.05	-26.43	-17.47	
22-May-2008	-25.51	-20.42		-6.39	-26.82	-17.62	
23-May-2008	-26.15	-20.47		-6.93	-26.76	-17.59	
23-May-2008	-26.82	-19.83		-7.47	-27.51	-17.53	
23-May-2008	-27.47	-20.99		-8.15	-27.09	-18.17	
23-May-2008	-27.73	-21.54		-8.34	-27.39	-18.46	
24-May-2008	-28.20	-20.95		-8.79	-27.54	-18.21	
24-May-2008	-28.72	-20.34		-9.16	-28.21	-18.38	
24-May-2008	-29.31	-20.36		-9.53	-27.12	-17.38	
24-May-2008	-29.82	-20.72		-9.81	-28.14	-18.22	
25-May-2008	-30.18	-20.89		-10.02	-27.90	-18.16	
25-May-2008	-30.76	-20.66		-10.34	-28.49	-18.31	
25-May-2008	-31.42	-21.83		-10.91	-28.31	-19.23	
25-May-2008	-31.71	-22.74		-11.18	-28.74	-19.97	
26-May-2008	-32.08	-22.21		-11.46	-28.45	-19.90	
26-May-2008	-32.63	-21.68		-11.79	-29.10	-20.19	
26-May-2008	-33.09	-22.67		-12.12	-29.19	-21.22	
26-May-2008	-33.35	-23.25		-12.42	-29.37	-22.70	
27-May-2008	-33.67	-22.83		-12.57	-29.45	-22.87	
27-May-2008	-33.81	-22.07		-12.92	-29.86	-23.20	
27-May-2008	-33.70	-24.42		-13.16	-29.65	-24.83	0
27-May-2008	-33.59	-23.93		-14.70	-30.09	-25.11	
28-May-2008	-33.58	-23.34		-15.21	-29.93	-25.48	
28-May-2008	-33.72	-24.02		-15.57	-30.58	-26.44	
28-May-2008	-33.60	-23.96		-15.53	-30.40	-26.68	
28-May-2008	-33.54	-23.84		-12.53	-30.97	-26.99	
29-May-2008	-33.54	-23.21		-11.36	-30.90	-27.17	
29-May-2008	-33.72	-24.05		-11.74	-31.37	-27.57	
29-May-2008	-33.65	-25.11		-13.12	-31.35	-27.83	
29-May-2008	-33.65	-24.55		-15.30	-31.53	-27.92	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
30-May-2008	-33.66	-23.82		-15.92	-31.62	-28.10	
30-May-2008	-33.75	-24.91		-16.23	-32.19	-28.51	
30-May-2008	-33.71	-25.94		-17.02	-32.02	-28.60	
30-May-2008	-33.61	-25.21		-18.18	-32.47	-28.64	
31-May-2008	-33.60	-24.19		-18.54	-32.56	-28.90	
31-May-2008	-33.67	-24.84		-18.83	-32.91	-29.21	
31-May-2008	-33.59	-26.22		-19.30	-32.56	-29.12	
31-May-2008	-33.49	-25.43		-20.30	-33.18	-29.31	
1-Jun-2008	-33.52	-24.74		-20.58	-33.07	-29.42	
1-Jun-2008	-33.76	-26.55		-20.84	-33.51	-29.84	
1-Jun-2008	-33.53	-27.72		-21.39	-33.29	-29.93	
1-Jun-2008	-33.66	-27.03		-21.92	-33.67	-30.15	
2-Jun-2008	-33.53	-25.98		-22.22	-33.61	-30.23	
2-Jun-2008	-33.65	-27.87		-22.40	-34.42	-30.61	
2-Jun-2008	-33.57	-29.47		-22.77	-33.95	-30.85	
2-Jun-2008	-33.53	-29.01		-23.31	-34.37	-31.05	
3-Jun-2008	-33.66	-27.95		-23.52	-34.32	-31.33	
3-Jun-2008	-33.60	-28.59		-23.78	-35.11	-31.54	
3-Jun-2008	-33.58	-30.20		-23.96	-34.45	-31.71	
3-Jun-2008	-33.54	-28.85		-24.17	-35.17	-31.85	
4-Jun-2008	-33.58	-27.79		-24.51	-34.66	-32.14	
4-Jun-2008	-33.75	-28.98		-24.66	-35.31	-32.50	
4-Jun-2008	-33.60	-31.04		-25.00	-35.08	-32.60	
4-Jun-2008	-33.51	-30.65		-25.04	-35.59	-32.84	
5-Jun-2008	-33.60	-30.05		-25.30	-35.32	-33.10	
5-Jun-2008	-33.70	-31.77		-25.53	-35.94	-33.49	
5-Jun-2008	-33.57	-33.57		-25.79	-35.65	-33.76	
5-Jun-2008	-33.60	-32.63		-25.88	-36.11	-33.97	
6-Jun-2008	-33.67	-31.68		-25.91	-36.16	-34.51	
6-Jun-2008	-33.71	-33.33		-26.28	-36.73	-34.90	
6-Jun-2008	-33.51	-35.78		-26.45	-4.67	-35.01	
6-Jun-2008	-33.45	-34.23		-26.42	-4.00	-35.21	
7-Jun-2008	-33.46	-32.81		-26.49	-4.18	-35.49	
7-Jun-2008	-33.58	-33.86		-26.56	-5.26	-35.80	
7-Jun-2008	-33.67	-36.39		-26.62	-5.51	-36.17	
7-Jun-2008	-33.53	-35.12		-26.88	-6.47	-36.38	
8-Jun-2008	-33.69	-33.57		-26.82	-7.45	-36.64	
8-Jun-2008	-33.73	-34.59		-26.93	-10.77	-37.00	
8-Jun-2008	-33.65	-37.01		-27.09	-10.91	-37.29	
8-Jun-2008	-33.58	-35.99		-27.12	-12.06	-37.47	
9-Jun-2008	-33.67	-34.53		-27.16	-13.44	-37.79	
9-Jun-2008	-33.79	-35.77		-27.35	-16.36	-38.13	
9-Jun-2008	-33.60	-37.98		-27.57	-16.81	-38.19	
9-Jun-2008	-33.55	-37.38		-27.68	-17.67	-38.53	
10-Jun-2008	-33.52	-36.12		-27.66	-18.88	-38.84	
10-Jun-2008	-33.65	-37.08		-27.89	-20.76	-39.28	
10-Jun-2008	-33.60	-39.07		-28.05	-21.03	-39.47	
10-Jun-2008	-33.66	-38.82		-28.12	-22.00	-39.92	
11-Jun-2008	-33.51	-37.33		-28.40	-22.55	-40.11	
11-Jun-2008	-33.66	-38.30		-28.46	-23.51	-40.83	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
11-Jun-2008	-33.58	-40.13		-28.78	-23.64	-40.97	
11-Jun-2008	-33.31	-39.84		-28.85	-24.31	-41.25	
12-Jun-2008	-33.64	-38.70		-29.00	-24.43	-41.84	
12-Jun-2008	-33.58	-39.27		-29.40	-24.91	-42.26	
12-Jun-2008	-33.59	-41.01		-29.51	-24.88	-42.56	
12-Jun-2008	-33.52	-40.63		-29.56	-25.37	-42.82	
13-Jun-2008	-33.46	-39.02		-29.81	-25.68	-43.21	
13-Jun-2008	-33.59	-40.11		-29.91	-25.86	-43.52	
13-Jun-2008	-33.61	-41.81		-30.12	-25.92	-43.96	
13-Jun-2008	-33.33	-41.43		-30.12	-26.45	-44.13	
14-Jun-2008	-33.43	-39.56		-30.35	-26.25	-44.57	
14-Jun-2008	-33.63	-40.03		-30.41	-26.80	-45.03	
14-Jun-2008	-33.41	-41.76		-30.71	-26.64	-44.81	
14-Jun-2008	-18.99	-5.75		-30.57	-26.97	-2.02	
15-Jun-2008	-15.28	-5.96		-6.84	-27.06	-1.24	
15-Jun-2008	-17.02	-6.89		-5.18	-27.91	-1.82	
15-Jun-2008	-18.99	-7.58		-5.56	-27.57	-3.08	
15-Jun-2008	-20.74	-9.17		-5.99	-28.17	-3.67	
16-Jun-2008	-22.02	-13.94		-6.20	-28.11	-4.31	
16-Jun-2008	-23.20	-22.65		-6.47	-28.85	-5.95	
16-Jun-2008	-24.48	-31.17		-7.24	-28.78	-9.15	
16-Jun-2008	-25.50	-32.78		-7.85	-29.14	-9.52	
17-Jun-2008	-26.31	-32.43		-8.19	-29.09	-9.51	
17-Jun-2008	-27.34	-33.41		-8.56	-30.05	-11.21	
17-Jun-2008	-28.38	-35.09		-9.82	-30.73	-14.35	
17-Jun-2008	-29.23	-35.16		-11.73	-30.69	-16.30	
18-Jun-2008	-30.00	-34.86		-12.24	-31.74	-17.90	
18-Jun-2008	-30.91	-35.37		-12.78	-31.20	-19.31	
18-Jun-2008	-31.95	-36.47		-14.28	-32.04	-20.73	
18-Jun-2008	-32.65	-36.23		-16.10	-32.17	-21.83	
19-Jun-2008	-33.07	-35.63		-16.77	-32.79	-23.03	
19-Jun-2008	-33.71	-36.56		-17.27	-32.62	-24.15	
19-Jun-2008	-33.69	-37.79		-17.99	-33.11	-25.16	
19-Jun-2008	-33.53	-37.58		-19.05	-33.16	-26.08	
20-Jun-2008	-33.47	-37.02		-19.50	-34.30	-27.05	
20-Jun-2008	-33.73	-37.64		-20.01	-33.90	-28.11	
20-Jun-2008	-33.65	-38.42		-20.69	-34.57	-28.78	
20-Jun-2008	-33.55	-37.45		-20.60	-34.44	-29.37	
21-Jun-2008	-33.47	-36.47		-20.10	-35.28	-29.86	
21-Jun-2008	-33.75	-36.71		-20.15	-34.92	-30.83	
21-Jun-2008	-33.52	-36.92		-20.78	-35.59	-31.29	
21-Jun-2008	-33.40	-36.08		-21.27	-35.56	-31.70	
22-Jun-2008	-33.58	-35.37		-20.81	-36.31	-32.23	
22-Jun-2008	-33.63	-35.72		-20.98	-36.05	-32.75	
22-Jun-2008	-33.52	-36.65		-21.36	-36.51	-33.05	
22-Jun-2008	-33.52	-36.27		-21.90	-36.53	-33.53	
23-Jun-2008	-33.53	-35.69		-22.22	-37.15	-33.94	
23-Jun-2008	-33.65	-36.42		-22.48	-37.13	-34.49	
23-Jun-2008	-33.57	-37.55		-22.94	-37.33	-34.76	
23-Jun-2008	-33.41	-37.50		-23.49	-37.41	-35.25	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
24-Jun-2008	-33.64	-37.29		-23.70	-38.07	-35.73	
24-Jun-2008	-33.57	-38.51		-24.06	-38.02	-36.31	
24-Jun-2008	-33.55	-40.16		-24.44	-38.47	-36.69	
24-Jun-2008	-33.52	-39.90		-24.80	-38.38	-36.94	
25-Jun-2008	-33.45	-38.90		-24.89	-39.05	-37.36	
25-Jun-2008	-33.63	-39.60		-25.10	-38.73	-37.94	
25-Jun-2008	-33.59	-40.99		-25.36	-39.25	-37.61	0
25-Jun-2008	-33.54	-40.28		-25.29	-39.27	-37.96	
26-Jun-2008	-33.65	-38.96		-25.29	-40.07	-38.43	
26-Jun-2008	-33.70	-39.74		-25.48	-39.53	-38.80	
26-Jun-2008	-33.63	-41.37		-25.60	-40.27	-39.01	
26-Jun-2008	-33.46	-41.10		-25.89	-40.09	-39.40	
27-Jun-2008	-33.64	-39.90		-25.83	-40.87	-39.75	
27-Jun-2008	-33.73	-41.05		-26.12	-40.29	-40.09	
27-Jun-2008	-33.67	-42.54		-26.34	-40.75	-40.43	
27-Jun-2008	-33.54	-42.11		-26.49	-40.65	-40.69	
28-Jun-2008	-33.53	-41.07		-26.48	-41.26	-41.01	
28-Jun-2008	-33.65	-42.19		-26.58	-33.89	-41.49	
28-Jun-2008	-33.49	-42.81		-27.00	-33.88	-41.71	
28-Jun-2008	-33.46	-42.68		-27.05	-34.33	-42.05	
29-Jun-2008	-33.43	-41.93		-27.23	-35.23	-42.28	
29-Jun-2008	-33.61	-42.79		-27.15	-34.89	-42.79	
29-Jun-2008	-33.45	-42.61		-27.54	-35.49	-42.99	
29-Jun-2008	-33.43	-42.60		-27.69	-35.74	-43.24	
30-Jun-2008	-33.42	-42.23		-27.76	-36.58	-43.54	
30-Jun-2008	-33.55	-42.81		-27.83	-30.55	-43.94	
30-Jun-2008	-33.51	-42.66		-28.25	-30.95	-44.13	
30-Jun-2008	-33.52	-42.59		-28.31	-31.21	-44.37	
1-Jul-2008	-33.53	-42.61		-28.73	-32.02	-44.74	
1-Jul-2008	-33.66	-42.66		-28.88	-3.00	-45.25	
1-Jul-2008	-33.57	-42.59		-29.32	-4.13	-45.15	
1-Jul-2008	-33.41	-42.50		-29.58	-4.41	-44.98	
2-Jul-2008	-33.61	-42.51		-29.75	-5.46	-45.05	
2-Jul-2008	-33.55	-42.49		-29.92	-4.96	-45.03	
2-Jul-2008	-33.51	-42.47		-30.29	-5.68	-44.96	
2-Jul-2008	-33.53	-42.50		-30.53	-5.89	-44.89	
3-Jul-2008	-33.54	-42.55		-30.78	-7.06	-44.93	
3-Jul-2008	-33.67	-42.69		-31.11	-6.96	-45.16	
3-Jul-2008	-33.58	-42.57		-31.31	-7.91	-44.99	
3-Jul-2008	-33.48	-42.45		-31.55	-8.67	-44.84	
4-Jul-2008	-33.47	-42.51		-31.84	-11.65	-44.87	
4-Jul-2008	-33.48	-42.62		-32.06	-11.73	-44.92	
4-Jul-2008	-33.58	-42.72		-32.39	-12.40	-44.96	
4-Jul-2008	-33.34	-42.49		-32.51	-13.54	-44.84	
5-Jul-2008	-33.58	-42.65		-32.68	-16.08	-44.81	
5-Jul-2008	-33.45	-42.61		-32.91	-16.31	-44.78	
5-Jul-2008	-33.47	-42.48		-33.04	-17.11	-44.86	
5-Jul-2008	-33.36	-42.49		-33.10	-17.23	-44.79	
6-Jul-2008	-33.49	-42.53		-32.96	-17.95	-44.79	
6-Jul-2008	-33.60	-42.69		-33.04	-18.13	-44.97	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
6-Jul-2008	-33.40	-42.45		-33.14	-18.64	-44.73	
6-Jul-2008	-33.37	-42.39		-32.98	-19.05	-29.00	
7-Jul-2008	-33.35	-42.42		-23.78	-21.33	-30.38	
7-Jul-2008	-33.57	-42.62		-24.17	-21.41	-32.05	
7-Jul-2008	-33.53	-42.68		-24.74	-22.27	-33.25	
7-Jul-2008	-33.41	-42.44		-25.06	-22.73	-34.05	
8-Jul-2008	-33.42	-42.61		-25.20	-24.05	-35.02	
8-Jul-2008	-33.60	-42.57		-25.48	-24.33	-35.86	
8-Jul-2008	-33.59	-42.68		-25.78	-24.88	-36.70	
8-Jul-2008	-33.39	-42.51		-26.01	-25.03	-30.61	
9-Jul-2008	-33.45	-42.63		-19.25	-26.08	-30.98	
9-Jul-2008	-33.54	-42.74		-18.92	-26.27	-32.03	
9-Jul-2008	-33.48	-42.60		-18.83	-26.73	-33.09	
9-Jul-2008	-30.79	-31.74		-19.13	-27.05	-1.45	
10-Jul-2008	-31.96	-41.78		-6.03	-27.76	-3.11	
10-Jul-2008	-33.33	-42.79		-5.56	-27.73	-5.19	
10-Jul-2008	-33.36	-42.68		-5.88	-28.11	-9.51	
10-Jul-2008	-33.48	-42.69		-6.29	-28.11	-6.37	
11-Jul-2008	-33.45	-42.71		-6.39	-1.98	-8.66	
11-Jul-2008	-33.48	-42.80		-6.66	-3.59	-10.58	
11-Jul-2008	-33.53	-42.72		-7.25	-4.32	-13.13	
11-Jul-2008	-33.49	-42.60		-7.85	-4.25	-15.02	
12-Jul-2008	-33.47	-42.63		-8.21	-5.07	-16.67	
12-Jul-2008	-33.53	-42.77		-8.61	-5.05	-18.40	
12-Jul-2008	-33.42	-42.73		-9.82	-5.64	-19.94	
12-Jul-2008	-33.39	-42.60		-11.57	-5.88	-20.92	
13-Jul-2008	-33.40	-42.57		-11.92	-7.42	-22.12	
13-Jul-2008	-33.60	-42.84		-12.42	-7.49	-23.53	
13-Jul-2008	-33.49	-42.69		-13.68	-7.75	-24.50	
13-Jul-2008	-33.39	-42.61		-15.30	-8.75	-25.57	
14-Jul-2008	-33.52	-42.61		-15.63	-12.12	-26.57	
14-Jul-2008	-33.36	-42.72		-16.06	-5.61	-27.46	
14-Jul-2008	-33.58	-42.68		-16.52	-5.51	-28.30	
14-Jul-2008	-33.57	-42.74		-16.68	-5.70	-29.01	
15-Jul-2008	-33.39	-42.60		-16.85	-5.15	-29.66	
15-Jul-2008	-33.57	-42.75		-17.12	-5.26	-30.67	
15-Jul-2008	-33.51	-42.83		-17.80	-5.83	-31.31	
15-Jul-2008	-33.33	-42.57		-19.10	-6.07	-31.82	
16-Jul-2008	-33.45	-42.62		-19.40	-7.66	-32.63	
16-Jul-2008	-33.53	-42.78		-20.09	-7.69	-33.46	
16-Jul-2008	-33.63	-42.84		-20.80	-8.10	-34.15	
16-Jul-2008	-33.42	-42.72		-21.83	-8.51	-34.54	
17-Jul-2008	-33.47	-42.74		-22.10	-10.13	-35.17	
17-Jul-2008	-33.59	-42.90		-22.54	-10.18	-35.95	
17-Jul-2008	-33.49	-42.71		-23.18	-10.78	-36.39	
17-Jul-2008	-33.46	-42.67		-23.75	-11.23	-36.89	
18-Jul-2008	-33.42	-42.71		-24.02	-12.99	-37.28	
18-Jul-2008	-33.54	-42.89		-24.20	-13.20	-38.02	
18-Jul-2008	-33.45	-42.74		-24.74	-13.80	-38.50	
18-Jul-2008	-33.42	-42.57		-24.96	-14.14	-38.96	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
19-Jul-2008	-33.47	-42.72		-24.57	-16.83	-39.49	
19-Jul-2008	-33.36	-42.55		-24.62	-16.74	-39.86	
19-Jul-2008	-26.73	-10.38		-24.58	-17.43	-0.99	
19-Jul-2008	-28.17	-10.67		-1.30	-18.30	-1.57	
20-Jul-2008	-29.64	-11.00		-1.88	-20.67	-2.06	
20-Jul-2008	-31.29	-21.97		-2.46	-21.37	-3.37	
20-Jul-2008	-33.21	-37.83		-3.10	-21.87	-6.39	
20-Jul-2008	-33.75	-41.42		-3.65	-22.29	-6.76	
21-Jul-2008	-33.67	-41.89		-3.76	-23.41	-7.04	
21-Jul-2008	-33.69	-42.73		-4.02	-23.34	-9.05	
21-Jul-2008	-33.63	-42.74		-4.60	-24.00	-12.75	
21-Jul-2008	-33.54	-42.67		-5.01	-24.12	-14.59	
22-Jul-2008	-33.47	-42.59		-5.10	-25.18	-15.97	
22-Jul-2008	-33.65	-42.80		-5.19	-16.71	-17.55	
22-Jul-2008	-33.46	-42.60		-5.93	-17.34	-19.18	
22-Jul-2008	-33.48	-42.61		-6.16	-17.92	-19.12	
23-Jul-2008	-33.46	-42.60		-4.67	-7.98	-19.78	
23-Jul-2008	-33.58	-42.77		-4.91	-8.44	-20.95	
23-Jul-2008	-33.55	-42.73		-5.40	-9.71	-20.45	
23-Jul-2008	-33.46	-42.60		-5.00	-13.33	-17.87	
24-Jul-2008	-33.43	-42.59		-4.80	-13.44	-17.29	
24-Jul-2008	-33.55	-42.77		-5.09	-14.25	-18.28	
24-Jul-2008	-33.52	-42.68		-5.69	-15.12	-20.09	
24-Jul-2008	-33.47	-42.67		-6.04	-17.47	-21.43	
25-Jul-2008	-33.47	-42.61		-6.08	-18.23	-22.65	
25-Jul-2008	-33.58	-42.77		-6.34	-18.94	-23.86	
25-Jul-2008	-33.55	-42.69		-6.72	-19.49	-24.86	
25-Jul-2008	-33.39	-42.66		-7.11	-21.67	-25.65	
26-Jul-2008	-33.47	-42.59		-7.20	-22.42	-26.44	
26-Jul-2008	-33.54	-42.73		-7.36	-22.57	-27.35	
26-Jul-2008	-33.53	-42.72		-7.94	-22.65	-28.01	
26-Jul-2008	-33.51	-42.66		-8.55	-23.77	-28.61	
27-Jul-2008	-33.51	-42.61		-8.74	-24.21	-29.23	
27-Jul-2008	-33.55	-42.72		-9.03	-24.37	-29.90	
27-Jul-2008	-33.47	-42.63		-9.94	-25.00	-30.40	
27-Jul-2008	-33.40	-42.63		-11.30	-25.65	-30.76	
28-Jul-2008	-33.39	-42.53		-11.57	-25.86	-31.36	
28-Jul-2008	-33.58	-42.80		-12.04	-26.22	-32.19	
28-Jul-2008	-33.51	-42.69		-13.30	-26.59	-32.69	
28-Jul-2008	-33.54	-42.67		-15.18	-27.53	-33.34	
29-Jul-2008	-33.57	-42.81		-15.62	-27.34	-33.71	
29-Jul-2008	-33.57	-42.78		-16.02	-27.85	-34.29	
29-Jul-2008	-33.53	-42.80		-16.67	-27.85	-34.76	
29-Jul-2008	-33.37	-42.54		-17.90	-28.48	-34.99	
30-Jul-2008	-33.48	-42.66		-18.17	-28.31	-35.55	
30-Jul-2008	-33.48	-42.80		-18.50	-28.87	-36.08	
30-Jul-2008	-33.48	-42.75		-19.19	-28.73	-36.49	0
30-Jul-2008	-33.45	-42.65		-9.10	-29.67	-36.85	
31-Jul-2008	-33.27	-42.54		-10.36	-29.74	-37.15	
31-Jul-2008	-33.55	-42.75		-10.60	-30.21	-37.71	

Date							
dd-mmm-yyyy	BD AW7	BD AW8	Ambient	BD RAW1	BD RAW2	BD RAW3	CG1
31-Jul-2008	-33.36	-56.13		-12.11	-30.04	-37.89	
31-Jul-2008	-33.49	-58.43		-11.73	-30.85	-38.90	

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
1-Jan-2008						
1-Jan-2008						
1-Jan-2008						
1-Jan-2008					0	
2-Jan-2008						
2-Jan-2008						
2-Jan-2008						
2-Jan-2008					0	
3-Jan-2008						
3-Jan-2008						
3-Jan-2008						
3-Jan-2008					0	
4-Jan-2008						
4-Jan-2008						
4-Jan-2008						
4-Jan-2008					0	
5-Jan-2008						
5-Jan-2008						
5-Jan-2008						
5-Jan-2008					0	
6-Jan-2008						
6-Jan-2008						
6-Jan-2008						
6-Jan-2008					0	
7-Jan-2008						
7-Jan-2008						
7-Jan-2008						
7-Jan-2008					0	
8-Jan-2008						
8-Jan-2008						
8-Jan-2008						
8-Jan-2008					0	
9-Jan-2008						
9-Jan-2008						
9-Jan-2008						
9-Jan-2008					0	
10-Jan-2008						
10-Jan-2008						
10-Jan-2008						
10-Jan-2008					0	
11-Jan-2008						
11-Jan-2008						
11-Jan-2008						
11-Jan-2008					0.24	
12-Jan-2008						
12-Jan-2008						
12-Jan-2008						
12-Jan-2008					0.05	
13-Jan-2008						
13-Jan-2008						

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
13-Jan-2008						
13-Jan-2008					0	
14-Jan-2008						
14-Jan-2008						
14-Jan-2008						
14-Jan-2008					0	
15-Jan-2008						
15-Jan-2008						
15-Jan-2008						
15-Jan-2008					0	
16-Jan-2008						
16-Jan-2008						
16-Jan-2008						
16-Jan-2008					0	
17-Jan-2008						
17-Jan-2008						
17-Jan-2008						
17-Jan-2008					0.13	
18-Jan-2008						
18-Jan-2008						
18-Jan-2008						
18-Jan-2008					0.25	
19-Jan-2008						
19-Jan-2008						
19-Jan-2008						
19-Jan-2008					0.02	
20-Jan-2008						
20-Jan-2008						
20-Jan-2008						
20-Jan-2008					0.65	
21-Jan-2008						
21-Jan-2008						
21-Jan-2008						
21-Jan-2008					0	
22-Jan-2008						
22-Jan-2008						
22-Jan-2008						
22-Jan-2008					0	
23-Jan-2008						
23-Jan-2008						
23-Jan-2008						
23-Jan-2008					0.11	
24-Jan-2008						
24-Jan-2008						
24-Jan-2008						
24-Jan-2008					0	
25-Jan-2008						
25-Jan-2008						
25-Jan-2008						
25-Jan-2008					0	

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
26-Jan-2008						
26-Jan-2008						
26-Jan-2008						
26-Jan-2008					0	
27-Jan-2008						
27-Jan-2008						
27-Jan-2008						
27-Jan-2008					0	
28-Jan-2008						
28-Jan-2008						
28-Jan-2008						
28-Jan-2008					0	
29-Jan-2008						
29-Jan-2008						
29-Jan-2008						
29-Jan-2008					0	
30-Jan-2008						
30-Jan-2008						
30-Jan-2008						
30-Jan-2008					0.2	
31-Jan-2008						
31-Jan-2008						
31-Jan-2008						
31-Jan-2008					0	1.65
1-Feb-2008						
1-Feb-2008						
1-Feb-2008						
1-Feb-2008					0.35	
2-Feb-2008						
2-Feb-2008						
2-Feb-2008						
2-Feb-2008					0.26	
3-Feb-2008						
3-Feb-2008						
3-Feb-2008						
3-Feb-2008					0	
4-Feb-2008						
4-Feb-2008						
4-Feb-2008						
4-Feb-2008					0	
5-Feb-2008						
5-Feb-2008						
5-Feb-2008						
5-Feb-2008					0	
6-Feb-2008						
6-Feb-2008						
6-Feb-2008						
6-Feb-2008					0	
7-Feb-2008						
7-Feb-2008						

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
7-Feb-2008						
7-Feb-2008					0.03	
8-Feb-2008						
8-Feb-2008						
8-Feb-2008						
8-Feb-2008					0	
9-Feb-2008						
9-Feb-2008						
9-Feb-2008						
9-Feb-2008					0	
10-Feb-2008						
10-Feb-2008						
10-Feb-2008						
10-Feb-2008					0	
11-Feb-2008						
11-Feb-2008						
11-Feb-2008						
11-Feb-2008					0	
12-Feb-2008						
12-Feb-2008						
12-Feb-2008						
12-Feb-2008					0	
13-Feb-2008						
13-Feb-2008						
13-Feb-2008						
13-Feb-2008					0.41	
14-Feb-2008						
14-Feb-2008						
14-Feb-2008						
14-Feb-2008					0.42	
15-Feb-2008						
15-Feb-2008						
15-Feb-2008						
15-Feb-2008					0	
16-Feb-2008						
16-Feb-2008						
16-Feb-2008						
16-Feb-2008					0	
17-Feb-2008						
17-Feb-2008						
17-Feb-2008						
17-Feb-2008					0.63	
18-Feb-2008						
18-Feb-2008						
18-Feb-2008						
18-Feb-2008					0	
19-Feb-2008						
19-Feb-2008						
19-Feb-2008						
19-Feb-2008					0	

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
20-Feb-2008						
20-Feb-2008						
20-Feb-2008						
20-Feb-2008					0	
21-Feb-2008						
21-Feb-2008						
21-Feb-2008						
21-Feb-2008					0	
22-Feb-2008						
22-Feb-2008						
22-Feb-2008						
22-Feb-2008					0.52	
23-Feb-2008						
23-Feb-2008						
23-Feb-2008						
23-Feb-2008					0.25	
24-Feb-2008						
24-Feb-2008						
24-Feb-2008						
24-Feb-2008					0	
25-Feb-2008						
25-Feb-2008						
25-Feb-2008						
25-Feb-2008					0	
26-Feb-2008						
26-Feb-2008						
26-Feb-2008						
26-Feb-2008					0	
27-Feb-2008						
27-Feb-2008						
27-Feb-2008						
27-Feb-2008					0.42	
28-Feb-2008						
28-Feb-2008						
28-Feb-2008						
28-Feb-2008					0	
29-Feb-2008						
29-Feb-2008						
29-Feb-2008						
29-Feb-2008					0	3.29
1-Mar-2008						
1-Mar-2008						
1-Mar-2008						
1-Mar-2008					0	
2-Mar-2008						
2-Mar-2008						
2-Mar-2008						
2-Mar-2008					0	
3-Mar-2008						
3-Mar-2008						

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
3-Mar-2008						
3-Mar-2008					0	
4-Mar-2008						
4-Mar-2008						
4-Mar-2008						
4-Mar-2008					0	
5-Mar-2008						
5-Mar-2008						
5-Mar-2008						
5-Mar-2008					0.61	
6-Mar-2008						
6-Mar-2008						
6-Mar-2008						
6-Mar-2008					0	
7-Mar-2008						
7-Mar-2008						
7-Mar-2008						
7-Mar-2008					0	
8-Mar-2008						
8-Mar-2008						
8-Mar-2008						
8-Mar-2008					1.1	
9-Mar-2008						
9-Mar-2008						
9-Mar-2008						
9-Mar-2008					0	
10-Mar-2008						
10-Mar-2008						
10-Mar-2008						
10-Mar-2008					0	
11-Mar-2008						
11-Mar-2008						
11-Mar-2008						
11-Mar-2008					0	
12-Mar-2008						
12-Mar-2008						
12-Mar-2008						
12-Mar-2008					0	
13-Mar-2008						
13-Mar-2008						
13-Mar-2008						
13-Mar-2008					0	
14-Mar-2008						
14-Mar-2008						
14-Mar-2008						
14-Mar-2008					0	
15-Mar-2008						
15-Mar-2008						
15-Mar-2008						
15-Mar-2008					0	

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
16-Mar-2008						
16-Mar-2008						
16-Mar-2008						
16-Mar-2008					1.3	
17-Mar-2008						
17-Mar-2008						
17-Mar-2008						
17-Mar-2008					0	
18-Mar-2008						
18-Mar-2008						
18-Mar-2008						
18-Mar-2008					0	
19-Mar-2008						
19-Mar-2008						
19-Mar-2008						
19-Mar-2008					0	
20-Mar-2008						
20-Mar-2008						
20-Mar-2008						
20-Mar-2008					0.35	
21-Mar-2008						
21-Mar-2008						
21-Mar-2008						
21-Mar-2008					0	
22-Mar-2008						
22-Mar-2008						
22-Mar-2008						
22-Mar-2008					0	
23-Mar-2008						
23-Mar-2008						
23-Mar-2008						
23-Mar-2008					0	
24-Mar-2008						
24-Mar-2008						
24-Mar-2008						
24-Mar-2008					0	
25-Mar-2008						
25-Mar-2008						
25-Mar-2008						
25-Mar-2008					0	
26-Mar-2008						
26-Mar-2008						
26-Mar-2008	0	0	2.27			
26-Mar-2008					0	
27-Mar-2008						
27-Mar-2008						
27-Mar-2008						
27-Mar-2008					0	
28-Mar-2008						
28-Mar-2008						

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
28-Mar-2008						
28-Mar-2008					0	
29-Mar-2008						
29-Mar-2008						
29-Mar-2008						
29-Mar-2008					0	
30-Mar-2008						
30-Mar-2008						
30-Mar-2008						
30-Mar-2008					0.02	
31-Mar-2008						
31-Mar-2008						
31-Mar-2008						
31-Mar-2008					0.31	3.69
1-Apr-2008						
1-Apr-2008						
1-Apr-2008						
1-Apr-2008					0.8	
2-Apr-2008						
2-Apr-2008						
2-Apr-2008						
2-Apr-2008					0.02	
3-Apr-2008						
3-Apr-2008						
3-Apr-2008						
3-Apr-2008					1.85	
4-Apr-2008						
4-Apr-2008						
4-Apr-2008						
4-Apr-2008					0.2	
5-Apr-2008						
5-Apr-2008						
5-Apr-2008						
5-Apr-2008					0.83	
6-Apr-2008						
6-Apr-2008						
6-Apr-2008						
6-Apr-2008					1.79	
7-Apr-2008						
7-Apr-2008						
7-Apr-2008						
7-Apr-2008					0	
8-Apr-2008						
8-Apr-2008						
8-Apr-2008						
8-Apr-2008					0	
9-Apr-2008						
9-Apr-2008						
9-Apr-2008						
9-Apr-2008					0	

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
10-Apr-2008						
10-Apr-2008						
10-Apr-2008						
10-Apr-2008					0	
11-Apr-2008						
11-Apr-2008						
11-Apr-2008						
11-Apr-2008					0	
12-Apr-2008						
12-Apr-2008						
12-Apr-2008						
12-Apr-2008					0	
13-Apr-2008						
13-Apr-2008						
13-Apr-2008						
13-Apr-2008					0.6	
14-Apr-2008						
14-Apr-2008						
14-Apr-2008						
14-Apr-2008					0.02	
15-Apr-2008						
15-Apr-2008						
15-Apr-2008						
15-Apr-2008					0	
16-Apr-2008						
16-Apr-2008						
16-Apr-2008						
16-Apr-2008					0	
17-Apr-2008						
17-Apr-2008						
17-Apr-2008						
17-Apr-2008					0	
18-Apr-2008						
18-Apr-2008						
18-Apr-2008						
18-Apr-2008					0	
19-Apr-2008						
19-Apr-2008						
19-Apr-2008						
19-Apr-2008					0	
20-Apr-2008						
20-Apr-2008						
20-Apr-2008						
20-Apr-2008					0.11	
21-Apr-2008						
21-Apr-2008						
21-Apr-2008						
21-Apr-2008					0.25	
22-Apr-2008						
22-Apr-2008						

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
22-Apr-2008						
22-Apr-2008					0.73	
23-Apr-2008						
23-Apr-2008						
23-Apr-2008						
23-Apr-2008					0.02	
24-Apr-2008						
24-Apr-2008						
24-Apr-2008						
24-Apr-2008					0	
25-Apr-2008						
25-Apr-2008						
25-Apr-2008						
25-Apr-2008					0	
26-Apr-2008						
26-Apr-2008						
26-Apr-2008						
26-Apr-2008					0	
27-Apr-2008						
27-Apr-2008						
27-Apr-2008	0	0.03	5.05			
27-Apr-2008					0.19	
28-Apr-2008						
28-Apr-2008						
28-Apr-2008						
28-Apr-2008					0.62	
29-Apr-2008						
29-Apr-2008						
29-Apr-2008						
29-Apr-2008					0	
30-Apr-2008						
30-Apr-2008						
30-Apr-2008						
30-Apr-2008					0.85	8.88
1-May-2008						
1-May-2008						
1-May-2008						
1-May-2008					0	
2-May-2008						
2-May-2008						
2-May-2008						
2-May-2008					0	
3-May-2008						
3-May-2008						
3-May-2008						
3-May-2008					0	
4-May-2008						
4-May-2008						
4-May-2008						
4-May-2008					0.02	

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
5-May-2008						
5-May-2008						
5-May-2008						
5-May-2008					0.08	
6-May-2008						
6-May-2008						
6-May-2008					0.01	
6-May-2008						
7-May-2008						
7-May-2008						
7-May-2008						
7-May-2008					0	
8-May-2008						
8-May-2008						
8-May-2008						
8-May-2008					0	
9-May-2008						
9-May-2008						
9-May-2008						
9-May-2008					0.3	
10-May-2008						
10-May-2008						
10-May-2008						
10-May-2008					0.76	
11-May-2008						
11-May-2008						
11-May-2008						
11-May-2008					0	
12-May-2008						
12-May-2008						
12-May-2008						
12-May-2008					0.34	
13-May-2008						
13-May-2008						
13-May-2008						
13-May-2008					0	
14-May-2008						
14-May-2008						
14-May-2008						
14-May-2008					0	
15-May-2008						
15-May-2008						
15-May-2008						
15-May-2008					0.01	
16-May-2008						
16-May-2008						
16-May-2008						
16-May-2008					0.49	
17-May-2008						
17-May-2008						

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
17-May-2008						
17-May-2008					0.09	
18-May-2008						
18-May-2008						
18-May-2008						
18-May-2008					0	
19-May-2008						
19-May-2008						
19-May-2008						
19-May-2008					0.18	
20-May-2008						
20-May-2008						
20-May-2008						
20-May-2008					0	
21-May-2008						
21-May-2008						
21-May-2008						
21-May-2008					0.28	
22-May-2008						
22-May-2008						
22-May-2008						
22-May-2008					0	
23-May-2008						
23-May-2008						
23-May-2008					0	
24-May-2008						
24-May-2008						
24-May-2008						
24-May-2008					0.01	
25-May-2008						
25-May-2008						
25-May-2008						
25-May-2008					0.09	
26-May-2008						
26-May-2008						
26-May-2008						
26-May-2008					0	
27-May-2008						
27-May-2008						
27-May-2008	0	0	4.66			
27-May-2008					0	
28-May-2008						
28-May-2008						
28-May-2008						
28-May-2008					0.02	
29-May-2008						
29-May-2008						
29-May-2008						
29-May-2008					0.18	

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
30-May-2008						
30-May-2008						
30-May-2008						
30-May-2008					0	
31-May-2008						
31-May-2008						
31-May-2008						
31-May-2008					0	2.86
1-Jun-2008						
1-Jun-2008						
1-Jun-2008						
1-Jun-2008					0	
2-Jun-2008						
2-Jun-2008						
2-Jun-2008						
2-Jun-2008					0.06	
3-Jun-2008						
3-Jun-2008						
3-Jun-2008						
3-Jun-2008					0	
4-Jun-2008						
4-Jun-2008						
4-Jun-2008						
4-Jun-2008					0	
5-Jun-2008						
5-Jun-2008						
5-Jun-2008						
5-Jun-2008					0	
6-Jun-2008						
6-Jun-2008						
6-Jun-2008						
6-Jun-2008					0	
7-Jun-2008						
7-Jun-2008						
7-Jun-2008						
7-Jun-2008					0	
8-Jun-2008						
8-Jun-2008						
8-Jun-2008						
8-Jun-2008					0	
9-Jun-2008						
9-Jun-2008						
9-Jun-2008						
9-Jun-2008					0	
10-Jun-2008						
10-Jun-2008						
10-Jun-2008						
10-Jun-2008					0	
11-Jun-2008						
11-Jun-2008						

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
11-Jun-2008						
11-Jun-2008					0	
12-Jun-2008						
12-Jun-2008						
12-Jun-2008						
12-Jun-2008					0	
13-Jun-2008						
13-Jun-2008						
13-Jun-2008						
13-Jun-2008					0	
14-Jun-2008						
14-Jun-2008						
14-Jun-2008						
14-Jun-2008					0	
15-Jun-2008						
15-Jun-2008						
15-Jun-2008						
15-Jun-2008					2.02	
16-Jun-2008						
16-Jun-2008						
16-Jun-2008						
16-Jun-2008					0	
17-Jun-2008						
17-Jun-2008						
17-Jun-2008						
17-Jun-2008					0	
18-Jun-2008						
18-Jun-2008						
18-Jun-2008						
18-Jun-2008					0	
19-Jun-2008						
19-Jun-2008						
19-Jun-2008						
19-Jun-2008					0	
20-Jun-2008						
20-Jun-2008						
20-Jun-2008						
20-Jun-2008					0	
21-Jun-2008						
21-Jun-2008						
21-Jun-2008						
21-Jun-2008					0.07	
22-Jun-2008						
22-Jun-2008						
22-Jun-2008						
22-Jun-2008					0.09	
23-Jun-2008						
23-Jun-2008						
23-Jun-2008						
23-Jun-2008					0.1	

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
24-Jun-2008						
24-Jun-2008						
24-Jun-2008						
24-Jun-2008					0	
25-Jun-2008						
25-Jun-2008						
25-Jun-2008	0	0	2.65			
25-Jun-2008					0	
26-Jun-2008						
26-Jun-2008						
26-Jun-2008						
26-Jun-2008					0	
27-Jun-2008						
27-Jun-2008						
27-Jun-2008						
27-Jun-2008					0	
28-Jun-2008						
28-Jun-2008						
28-Jun-2008						
28-Jun-2008					0	
29-Jun-2008						
29-Jun-2008						
29-Jun-2008						
29-Jun-2008					0.11	
30-Jun-2008						
30-Jun-2008						
30-Jun-2008						
30-Jun-2008					0.24	2.69
1-Jul-2008						
1-Jul-2008						
1-Jul-2008						
1-Jul-2008					0.04	
2-Jul-2008						
2-Jul-2008						
2-Jul-2008						
2-Jul-2008					0	
3-Jul-2008						
3-Jul-2008						
3-Jul-2008						
3-Jul-2008					0	
4-Jul-2008						
4-Jul-2008						
4-Jul-2008						
4-Jul-2008					0	
5-Jul-2008						
5-Jul-2008						
5-Jul-2008						
5-Jul-2008					0.19	
6-Jul-2008						
6-Jul-2008						

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
6-Jul-2008						
6-Jul-2008					0.1	
7-Jul-2008						
7-Jul-2008						
7-Jul-2008					1.01	
8-Jul-2008						
8-Jul-2008						
8-Jul-2008						
8-Jul-2008					0	
9-Jul-2008						
9-Jul-2008						
9-Jul-2008						
9-Jul-2008					0.37	
10-Jul-2008						
10-Jul-2008						
10-Jul-2008					0.29	
11-Jul-2008						
11-Jul-2008						
11-Jul-2008						
11-Jul-2008					0.02	
12-Jul-2008						
12-Jul-2008						
12-Jul-2008						
12-Jul-2008					0	
13-Jul-2008						
13-Jul-2008						
13-Jul-2008						
13-Jul-2008					0	
14-Jul-2008						
14-Jul-2008						
14-Jul-2008						
14-Jul-2008					0	
15-Jul-2008						
15-Jul-2008						
15-Jul-2008						
15-Jul-2008					0.08	
16-Jul-2008						
16-Jul-2008						
16-Jul-2008						
16-Jul-2008					0	
17-Jul-2008						
17-Jul-2008						
17-Jul-2008						
17-Jul-2008					0	
18-Jul-2008						
18-Jul-2008						
18-Jul-2008						
18-Jul-2008					0	

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
19-Jul-2008						
19-Jul-2008						
19-Jul-2008						
19-Jul-2008					0.17	
20-Jul-2008						
20-Jul-2008						
20-Jul-2008						
20-Jul-2008					0.45	
21-Jul-2008						
21-Jul-2008						
21-Jul-2008						
21-Jul-2008					0	
22-Jul-2008						
22-Jul-2008						
22-Jul-2008						
22-Jul-2008					0	
23-Jul-2008						
23-Jul-2008						
23-Jul-2008						
23-Jul-2008					0.45	
24-Jul-2008						
24-Jul-2008						
24-Jul-2008						
24-Jul-2008					0.51	
25-Jul-2008						
25-Jul-2008						
25-Jul-2008						
25-Jul-2008					0	
26-Jul-2008						
26-Jul-2008						
26-Jul-2008						
26-Jul-2008					0	
27-Jul-2008						
27-Jul-2008						
27-Jul-2008						
27-Jul-2008					0	
28-Jul-2008						
28-Jul-2008						
28-Jul-2008						
28-Jul-2008					0	
29-Jul-2008						
29-Jul-2008						
29-Jul-2008						
29-Jul-2008					0	
30-Jul-2008						
30-Jul-2008						
30-Jul-2008	0	0	5.8			
30-Jul-2008					0	
31-Jul-2008						
31-Jul-2008						

				Weatherstation Rainfall Data		
Date			On-site Manual Raingauge	On-site Auto Raingauge	Dunn Daily Rainfall	Dunn Monthly Rainfall
dd-mmm-yyyy	CG2	CG3				
31-Jul-2008						
31-Jul-2008					0.63	4.31

APPENDIX D

2008 Site Photos



SPA 1. UT3B Sta. 316+00 Log weir set to high causing deposition and vegetation growth upstream.



SPA 2. UT2 Sta. 203+80 Debris jam caused by fallen tree limbs and other woody vines.



SPA 3. UT2 Sta. 211+25 Erosion behind header rock to rock A-vane.



SPA 4. UT2 Sta. 211+70 Header rocks set to high at rock A-vane.



SPA 5. UT1A Sta. 133+40 Header rocks set to high at rock A-vane.



SPA 6. UT1A Sta. 134+00 Header rocks set to high at rock A-vane.



SPA 7. UT1A Sta. 134+60 Header rocks set to high at rock A-vane.



SPA1. UT3B Sta. 316+00. Improper installation of log weir. Structure set too high; deposition and vegetation growth occurring in channel upstream of structure.



SPA2. UT2 Sta. 203+80. Debris jam caused by fallen tree limbs and other woody vines.



SPA3. UT2 Sta. 211+25. Erosion behind header rock of rock A-vane. Water flowing around both sides of header rock.



SPA4. UT2 Sta. 211+70. Improper installation of rock cross vane. Header rock set too high; water flowing around header rock.



SPA5. UT1A Sta. 133+40. Improper installation of rock A-vane. Header rock set too high; stable but not functioning.



SPA6. UT1A Sta. 134+00. Improper installation of rock A-vane. Header rock set too high; stable but not functioning.



SPA7. UT1A Sta. 134+60. Improper installation of rock A-vane. Header rock set too high; stable but not functioning.



Vegetation Plot 1



Vegetation Plot 1



Vegetation Plot 2



Vegetation Plot 2



Vegetation Plot 3



Vegetation Plot 3



Vegetation Plot 4



Vegetation Plot 4



Vegetation Plot 5



Vegetation Plot 5



Vegetation Plot 6



Vegetation Plot 6



Vegetation Plot 7



Vegetation Plot 7



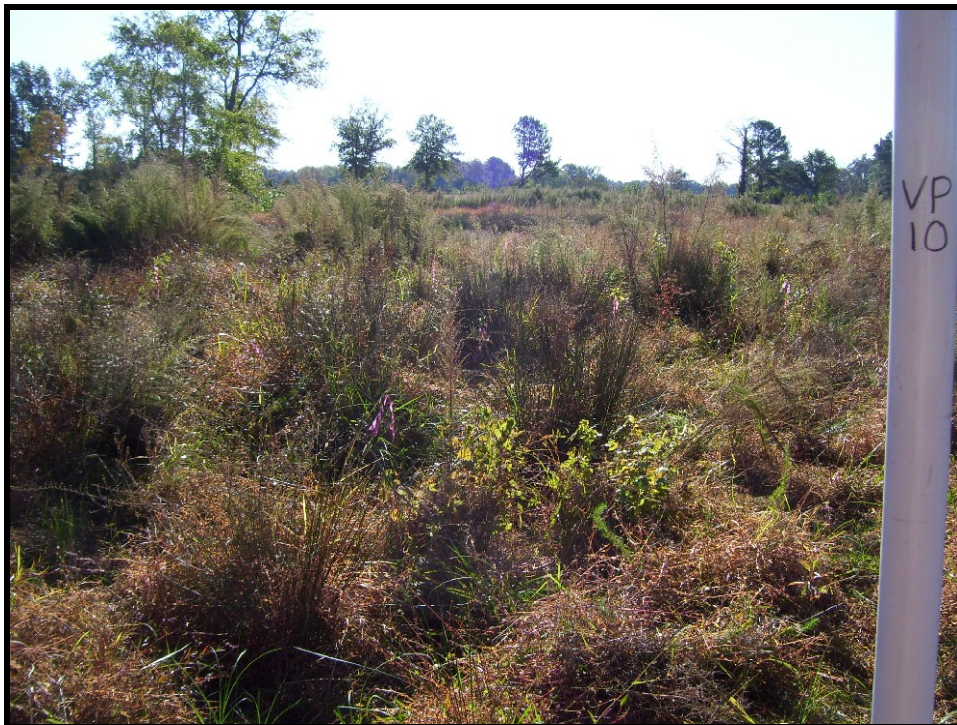
Vegetation Plot 8



Vegetation Plot 9



Vegetation Plot 9



Vegetation Plot 10



Vegetation Plot 10



Vegetation Plot 11



Vegetation Plot 11



Vegetation Plot 12 (marker pole is labeled incorrectly)



Vegetation Plot 12 (marker pole is labeled incorrectly)



Vegetation Plot 13



Vegetation Plot 13



Vegetation Plot 14



Vegetation Plot 14

APPENDIX E

Morphologic Monitoring Parameters

Parameter	Cross Section 1 Pool						Cross Section 2 Riffle						Cross Section 3 Pool						Cross Section 4 Riffle					
Dimension	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	28.4	26.4					25.3	24.4					26.6	21.8					22.8	22.8				
Floodprone Width (ft)	75.6	75.8					62.5	62.5					72.9	72.4					70.0	68.4				
BF Cross Sectional Area (ft ²)	31.7	26.4					18.1	16.2					22.8	19.2					11.7	11.6				
BF Mean Depth (ft)	1.1	1.0					0.7	0.7					0.9	0.9					0.5	0.5				
BF Max Depth (ft)	2.6	2.5					1.4	1.3					2.2	2.0					1.4	1.3				
Width/Depth Ratio	25.5	26.2					35.2	36.6					31.0	24.7					44.4	44.8				
Entrenchment Ratio	2.7	2.9					2.5	2.6					2.7	3.3					3.1	3.0				
Wetted Perimeter(ft)	29.1	26.9					25.5	24.6					27.2	22.3					23.2	23.1				
Hydraulic radius (ft)	1.1	1.0					0.7	0.7					0.8	0.9					0.5	0.5				
Parameter	Cross Section 5 Pool						Cross Section 6 Riffle						Cross Section 7 Pool						Cross Section 8 Riffle					
Dimension	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	5.0	7.5					9.0	9.2					7.9	9.8					6.9	7.3				
Floodprone Width (ft)	24.4	26.0					29.9	31.9					27.0	29.3					21.9	24.0				
BF Cross Sectional Area (ft ²)	5.0	5.0					8.4	8.7					8.7	10.7					4.4	4.7				
BF Mean Depth (ft)	0.7	0.7					0.9	0.9					1.1	1.1					0.6	0.6				
BF Max Depth (ft)	1.2	1.4					1.7	2.0					2.0	2.2					1.2	1.4				
Width/Depth Ratio	11.4	11.1					9.5	9.8					7.2	9.0					10.7	11.3				
Entrenchment Ratio	3.2	3.5					3.3	3.5					3.4	3.0					3.2	3.3				
Wetted Perimeter(ft)	8.0	8.0					9.6	10.1					9.0	11.0					7.3	7.8				
Hydraulic radius (ft)	0.6	0.6					0.9	0.9					1.0	1.0					0.6	0.6				
Parameter	Cross Section 9 Pool						Cross Section 10 Riffle						Cross Section 11 Riffle						Cross Section 12 Pool					
Dimension	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	18.5	19.7					16.4	15.1					9.8	11.8					19.5	19.8				
Floodprone Width (ft)	75.5	75.4					76.8	76.8					77.4	77.4					90.9	91.1				
BF Cross Sectional Area (ft ²)	29.3	25.9					18.4	16.5					6.8	9.0					22.2	20.4				
BF Mean Depth (ft)	1.6	1.3					1.1	1.1					0.7	0.8					1.1	1.0				
BF Max Depth (ft)	3.8	3.1					2.5	2.1					1.3	1.5					2.7	2.6				
Width/Depth Ratio	11.8	14.9					14.6	13.7					14.0	15.4					17.2	19.2				
Entrenchment Ratio	4.1	3.8					4.7	5.1					7.9	6.6					4.7	4.6				
Wetted Perimeter(ft)	20.7	20.9					17.3	15.8					10.1	12.2					20.4	20.8				
Hydraulic radius (ft)	1.4	1.2					1.1	1.0					0.7	0.7					1.1	1.0				

Parameter	Cross Section 13 Pool						Cross Section 14 Riffle						Cross Section 15 Pool						Cross Section 16 Riffle					
	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	18.3	19.4					9.0	9.2					19.7	24.2					9.9	9.0				
Floodprone Width (ft)	74.6	74.7					77.7	77.7					71.7	72.1					67.3	67.5				
BF Cross Sectional Area (ft ²)	15.8	15.3					5.4	4.8					18.8	23.0					5.8	4.6				
BF Mean Depth (ft)	0.9	0.8					0.6	0.5					1.0	1.0					0.6	0.5				
BF Max Depth (ft)	2.3	2.0					1.2	1.0					2.2	2.4					1.1	0.9				
Width/Depth Ratio	21.3	24.6					15.1	17.4					20.7	25.4					16.9	17.5				
Entrenchment Ratio	4.1	3.9					8.6	8.5					3.6	3.0					6.8	7.5				
Wetted Perimeter(ft)	19.2	20.0					9.3	9.4					20.5	25.0					10.3	9.3				
Hydraulic radius (ft)	0.8	0.8					0.6	0.5					0.9	0.9					0.6	0.5				
Parameter	Cross Section 17 Pool						Cross Section 18 Riffle						Cross Section 19 Pool						Cross Section 20 Riffle					
	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	30.6	30.7					7.6	7.4					19.2	18.5					10.5	10.4				
Floodprone Width (ft)	60.1	54.7					55.8	55.7					69.9	64.6					72.7	73.1				
BF Cross Sectional Area (ft ²)	46.3	45.8					9.6	7.5					28.2	28.9					9.5	9.1				
BF Mean Depth (ft)	1.5	1.5					1.3	1.0					1.5	1.6					0.9	0.9				
BF Max Depth (ft)	3.7	3.7					1.9	1.7					3.3	3.2					1.7	1.6				
Width/Depth Ratio	19.7	20.6					6.1	7.3					13.1	11.8					11.6	11.9				
Entrenchment Ratio	2.0	1.8					7.3	7.6					3.6	3.5					6.9	7.0				
Wetted Perimeter(ft)	31.5	32.2					9.0	8.6					20.7	19.7					11.1	11.0				
Hydraulic radius (ft)	1.5	1.4					1.1	0.9					1.4	1.5					0.9	0.8				

Reach UT3-B Lower

Parameter	Baseline³			MY1			MY2			MY3			MY4			MY5		
Pattern	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med
Channel Beltwidth (ft)	49.6	55.6	52.6															
Radius of Curvature (ft)	29.0	34.0	31.5															
Meander Wavelength (ft)	116.8	124.4	120.6															
Meander Width ratio	10.1	10.7	10.4															
Profile																		
Riffle length (ft)																		
Riffle slope (ft/ft)	0.0035	0.0046	0.0040															
Pool length (ft)																		
Pool spacing (ft)	60.4	79.0	69.7															
Additional Reach Parameters																		
Valley Length (ft)																		
Channel Length (ft)		422																
Sinuosity		1.19																
Water Surface Slope (ft/ft)																		
BF slope (ft/ft)																		
Rosgen Classification		C																

Reach UT3-C

Parameter	Baseline			MY1			MY2			MY3			MY4			MY5		
Pattern	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med
Channel Beltwidth (ft)																		
Radius of Curvature (ft)																		
Meander Wavelength (ft)																		
Meander Width ratio																		
Profile																		
Riffle length (ft)																		
Riffle slope (ft/ft)																		
Pool length (ft)																		
Pool spacing (ft)																		
Additional Reach Parameters																		
Valley Length (ft)																		
Channel Length (ft)																		
Sinuosity																		
Water Surface Slope (ft/ft)																		
BF slope (ft/ft)																		
Rosgen Classification																		

1 – All values except Channel Length include both UT1-B Upper and UT1-B Lower

2 – All values except Channel Length include both UT1-E and UT1-F

3 – All values except Channel Length include both UT3-B Upper and UT3-B Lower

4 – Baseline Profile data derived from **Stream and Wetland Restoration Plan for Beaverdam Swamp Site** report provided by Kimley-Horn and Associates, Inc. (March 28, 2007)