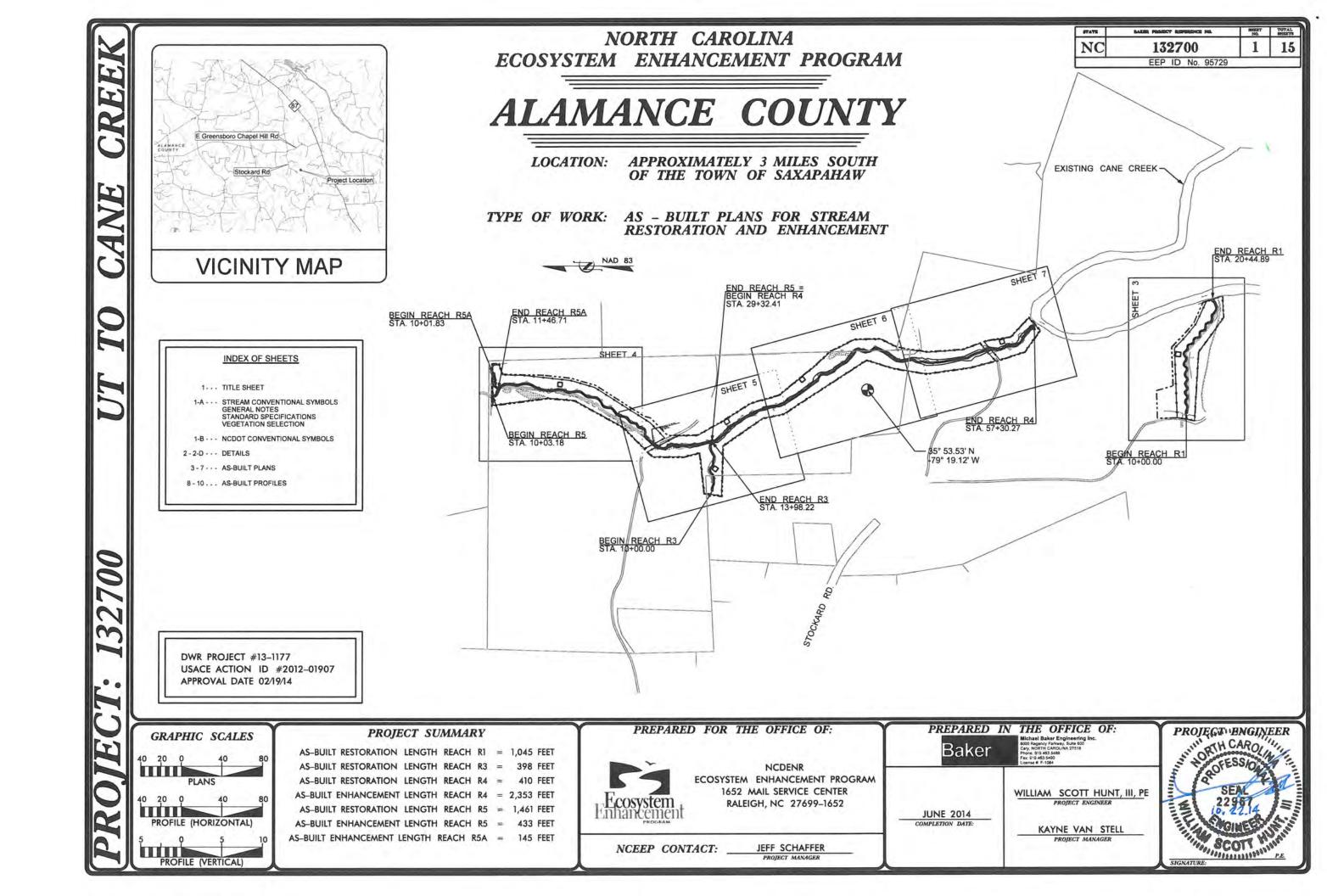
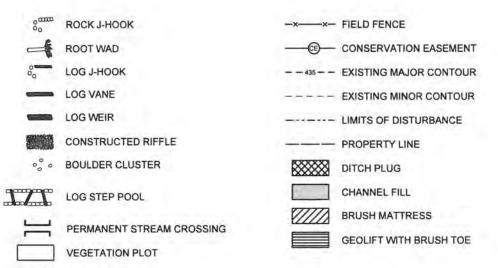
APPENDIX D

As-Built Plan Sheets/Record Drawings



STREAM CONVENTIONAL SYMBOLS SUPERCEDES SHEET 1-B



GENERAL NOTES

1. CONSTRUCTION BEGAN IN MARCH 2014 AND WAS COMPLETED IN JUNE 2014.

2. VEGETATION PLANTING BEGAN IN APRIL 2014 AND WAS COMPLETED IN JUNE 2014.

Baker

EEP ID No. 95729

STANDARD SPECIFICATIONS

NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL MARCH 2009 (REV 2013)

6.05 TREE PROTECTION

6.06 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

6.24 RIPARIAN AREA SEEDING

6.60 TEMPORARY SEDIMENT TRAP

6.62 TEMPORARY SILT FENCE

6.63 TEMPORARY ROCK DAM

6.70 TEMPORARY STREAM CROSSING



VEGETATION SELECTION

The following table lists the bare root vegetation selection for the project site. Total planting area is approximately 14 acres. Species were planted at density of 680 stems per acre and a minimum of 50 feet from the stream banks to the revegetation limits. Exact placement of species were determined prior to site planting and based on apparent wetness of planting locations and per the vegetation specialist. Refer to the Revegetation Plan Sheets & Construction Specifications for vegetation planting locations and riparian buffer requirements.

CONTROL POINT

CREST GAUGE

Scientific Name	Common Name	% Planted By Species	Wetland Tolerance	Approx. Number of Stem	
Fraxinus pennsylvanica	Green Ash	9%	FACW	860	
Betula nigra	River Birch	9%	FACW	860	
Liriodendron tulipifera	Tulip Poplar	6%	FAC	570	
Quercus michauxii	Swamp Chestnut Oak	6%	FACW-	570	
Carpinus caroliniana	Ironwood	6%	FAC	570	
Platanus occidentalis	American Sycamore	9%	FACW-	860	
Quercus alba	White Oak	9%	FACU	860	
Quercus nigra	White Oak	6%	FACU	570	
	Sub-total	60%		5,720	
Riparian Buffer - Understory	(8'x8' spacing - 680 stems/acr	e)			
Scientific Name	Common Name				
Diospyros virginiana	Persimmon	6%	FAC	570	
Lindera benzoin	Spicebush	8%	FACW	760	
Hamamelis virginiana	Witch hazel	6%	FAC-	570	
Viburnum dentatum	Arrowwood Viburnum	6%	FAC	570	
ltea virginica	Virginia sweetspire	8%	FACW+	760	
Asimina triloba	Paw paw	6%	FAC	570	
	Sub-total	40%		3,800	
	Total Bare-roots			9,520	

Permanent herbaceous seed mixtures for the project site were planted throughout the floodplain and riparian buffer areas. Permanent seed mixtures were applied with temporary seed, as defined in the construction specifications.

Scientific Name	Common Name	% Planted By Species	Total lbs per Acre	Wetland Tolerance
Andropogon gerardii	Big blue stem	10%	1.50	FAC
Dichanthelium clandestinum	Deer Tongue	15%	1.50	FACW
Carex crinata	Fringed sedge	10%	2.25	FACW+
Chasmanthium latifolium	River oats	5%	1.50	FACU
Elymus virginicus	Virginia wild rye	15%	1.50	FAC
Juncus effusus	Soft rush	5%	2.25	FACW+
Panicum virgatum	Switchgrass	10%	1.50	FAC+
Polygonum pensylvanicum	Pennsylvania Smartweed	5%	0.75	FACW
Schizachyrium scoparium	Little blue stem	10%	0.75	FACU
Tripsacum dactyloides	Eastern gamagrass	5%	0.75	FAC+
Sorghastrum nutans	Indiangrass	10%	0.75	FACU
***************************************	Total	100%	15.0	

The following table lists temporary seed mix for the project site. All disturbed areas were stabilized using mulch and temporary seed as defined in the construction specifications.

Planting Dates	Species Name	Rate (lbs./acre)
September to March	Rye Grain (Cool Season)	130
April to August	Browntop Millet (Warm Season)	40

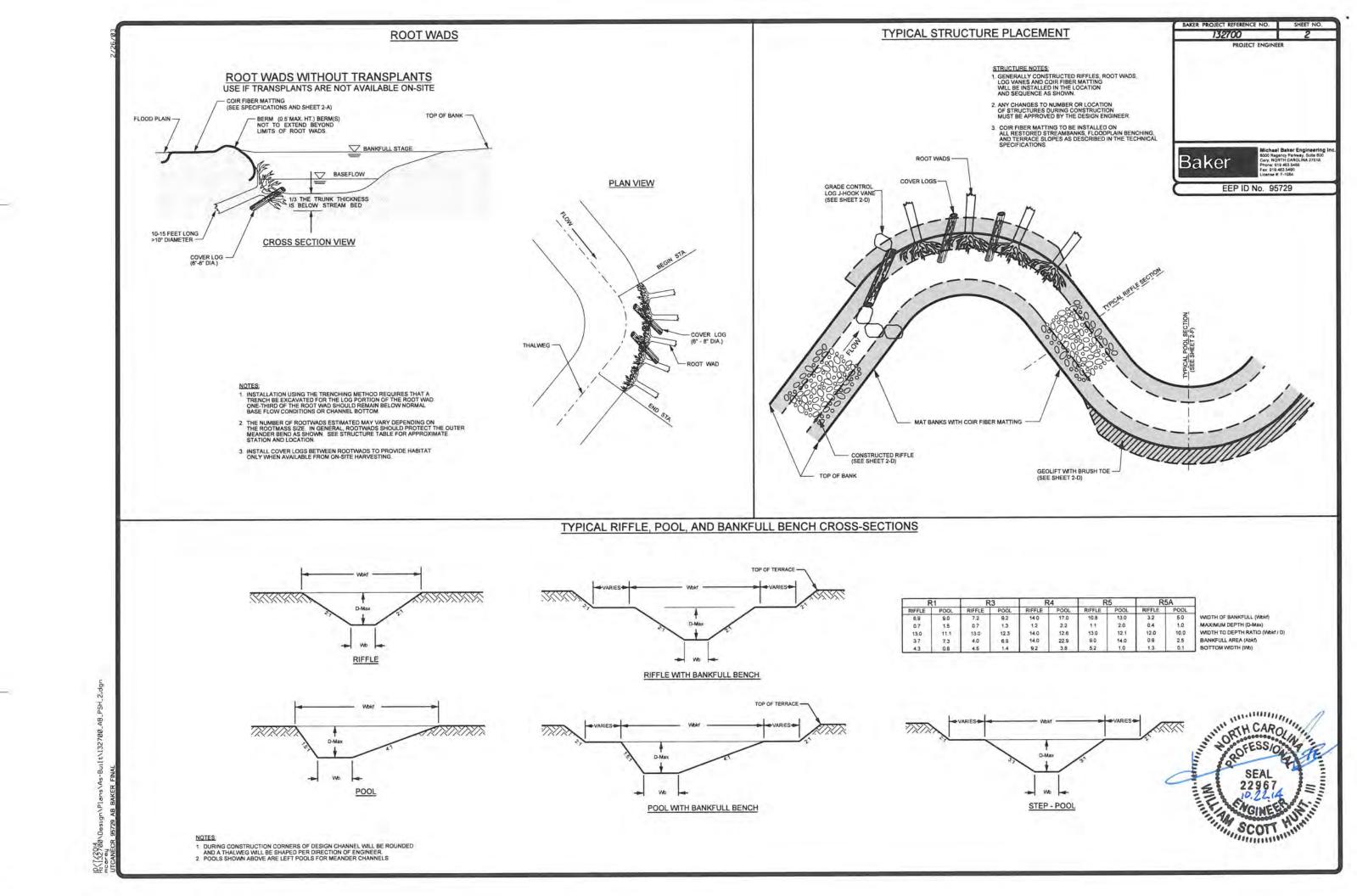
Live staking was applied to all restored streambanks following the details in this plan set and according to the construction specifications.

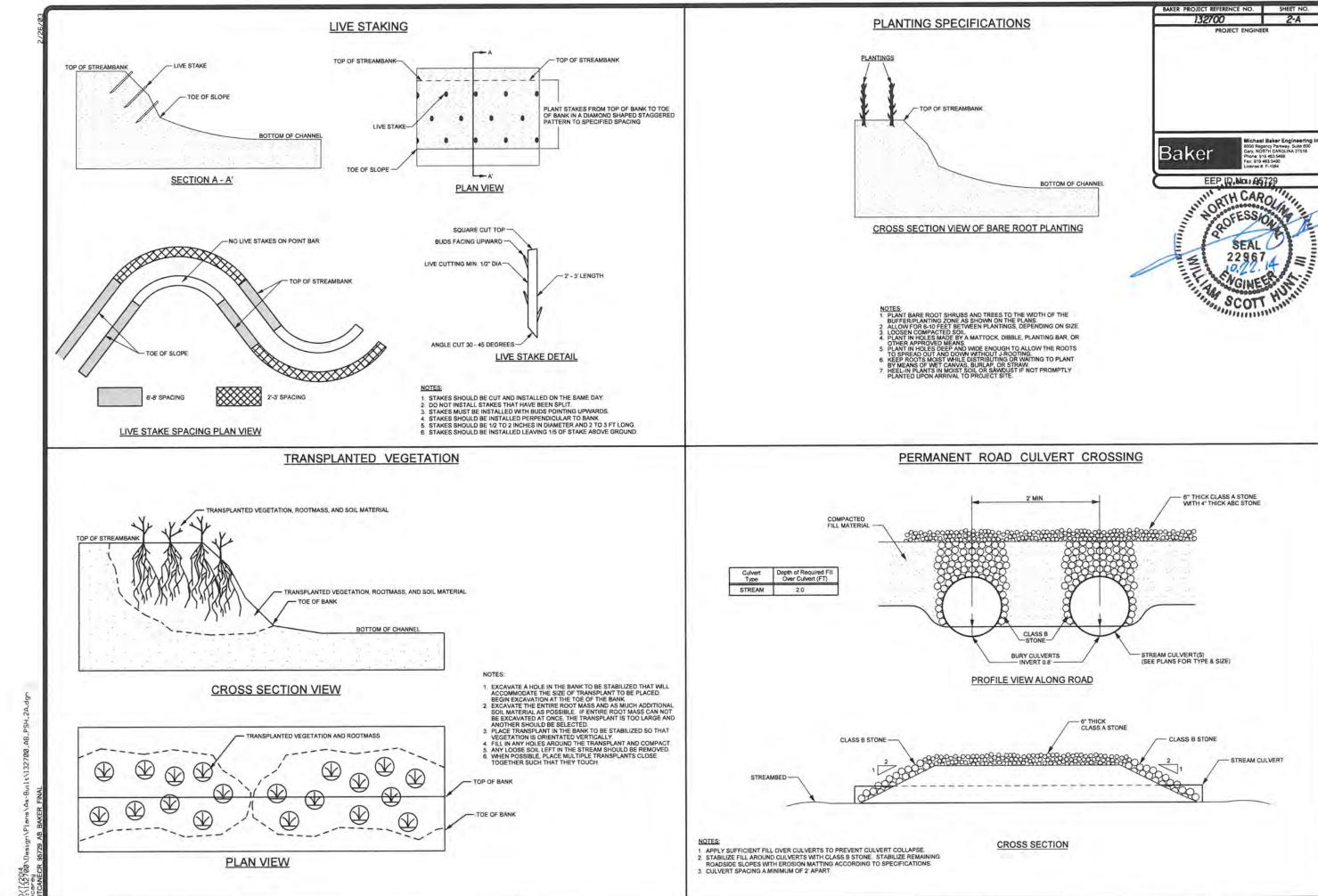
Scientific Name	Common Name	% Planted By Species	Wetland Tolerance	
Cornus amomum	Silky Dogwood	10%	FACW+	
Salix nigra	Black Willow	10%	OBL	
Salix sericea	Silky Willow	40%	OBL	
Sambucus canadensis	Elderberry	40%	FACW-	

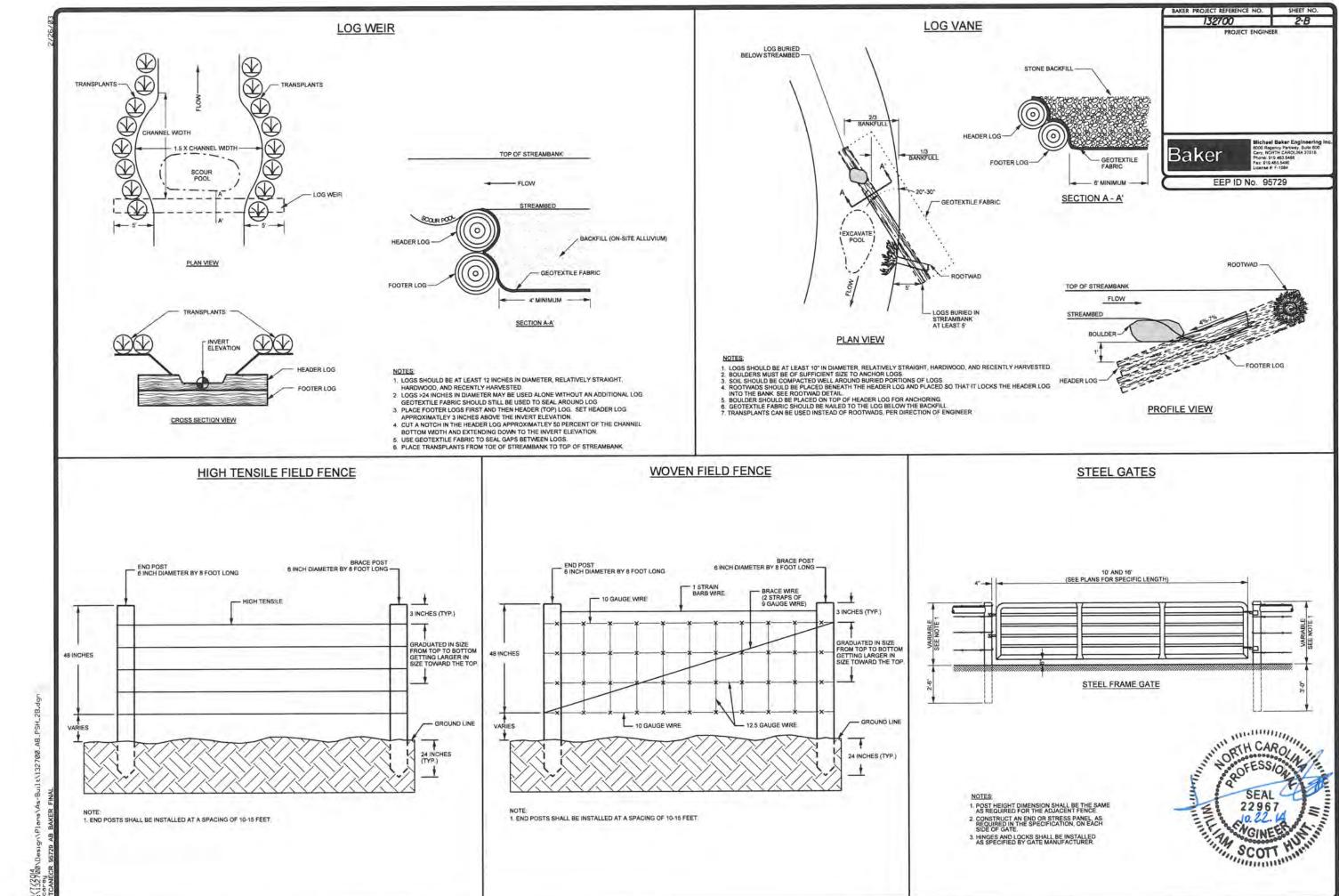
*S.U.E = SUBSURFACE UTILITY ENGINEER

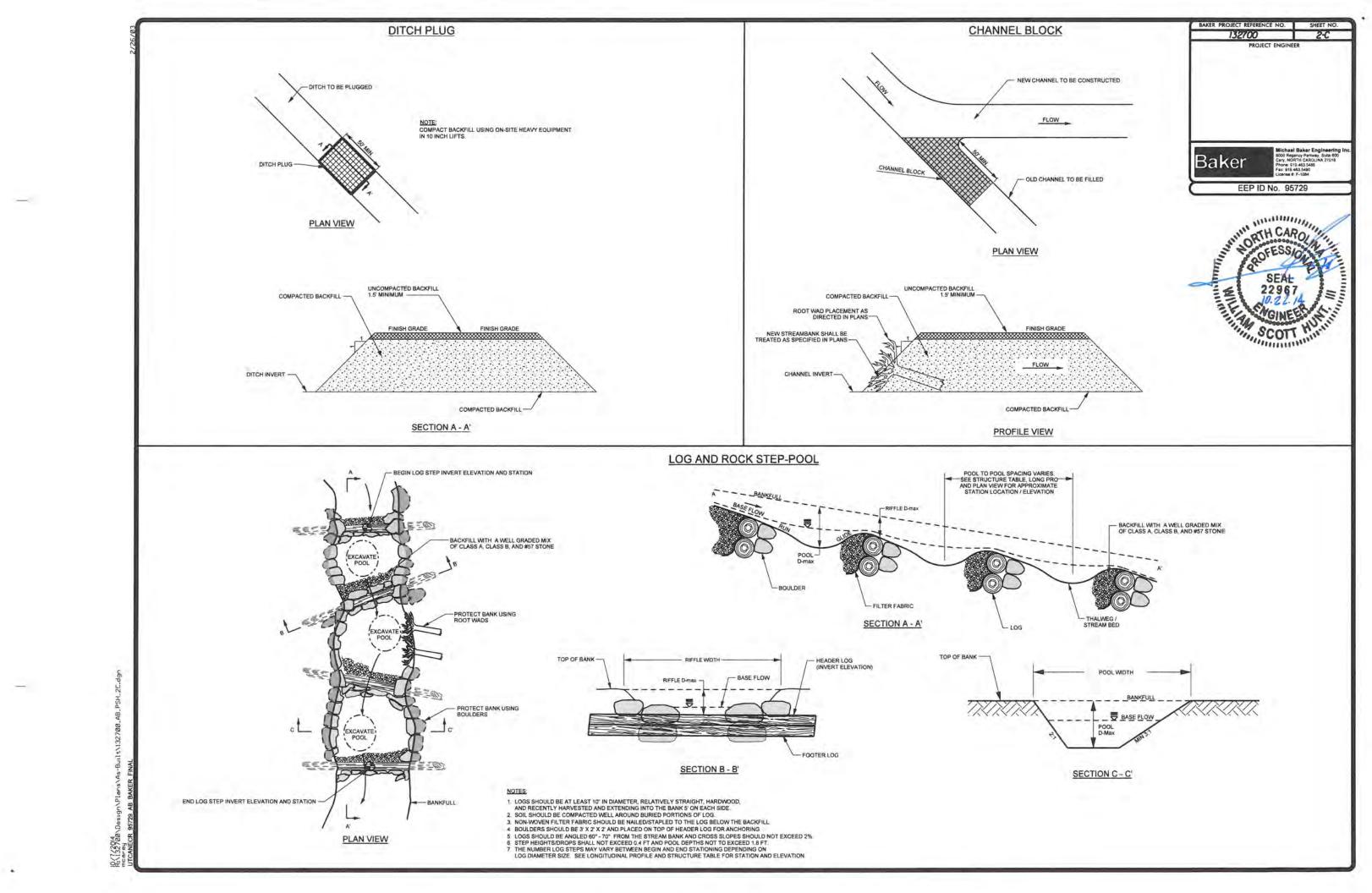
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

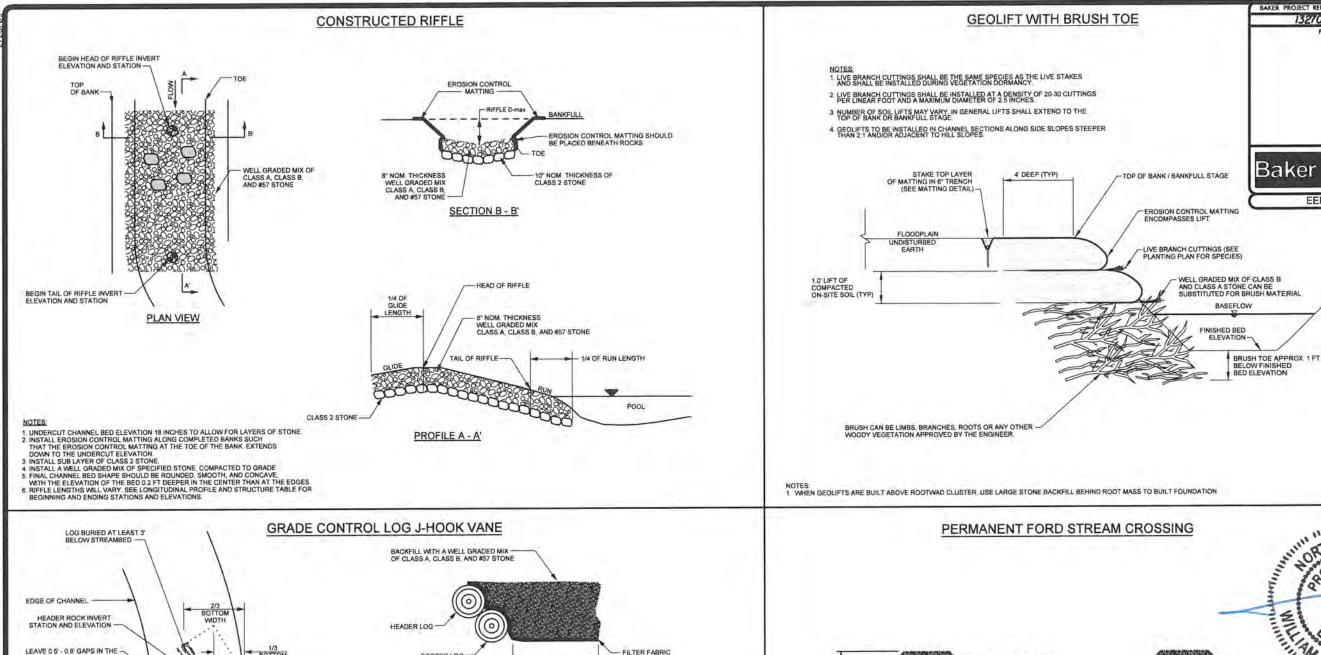
		CONVEN	MOITI	IAL SYMBOLS		SEAL 22967	
			, , , , ,			WATER: 10.27.14 Water Manhole	· ·
BOUNDARIES AND PROPERTY:		RAILROADS:				Water Meter Water Valve	0
State Line						Water Valve	. 8
County Line		Standard Gauge	CSX TRANSPORTATION	EXISTING STRUCTURES:		Water Hydrant	•
Township Line		RR Signal Milepost	BILEPOST 35	MAJOR:		Recorded U/G Water Line	
City Line ————————————————————————————————————		Switch —	SWITCH	Bridge, Tunnel or Box Culvert	COMC	Designated U/G Water Line (S.U.E.*)	
Reservation Line — — .		RR Abandoned —		Bridge Wing Wall, Head Wall and End Wall -		Above Ground Water Line	
Property Line		RR Dismantled		MINOR:	1	Above Crooks Water Line	
Existing Iron Pin —	CP .	RIGHT OF WAY:	4	Head and End Wall	Chur us	TV:	
Property Corner —		Baseline Control Point -		Pipe Culvert	- Conc ma	TV Satellite Dish	
Property Monument —		Existing Right of Way Marker	- A			TV Pedestal	. [7]
Parcel/Sequence Number —	@	Existing Right of Way Line		Footbridge >	Па	TV Tower	×
Existing Fence Line -x-		Proposed Right of Way Line	_	Drainage Box: Catch Basin, DI or JB	П	U/G TV Cable Hand Hole	
Proposed Woven Wire Fence	0	Proposed Right of Way Line with Iron Pin and Cap Marker	-	Paved Ditch Gutter		Recorded U/G TV Cable	
Proposed Chain Link Fence	-0	Proposed Right of Way Line with		Storm Sewer Manhole	9		
Proposed Barbed Wire Fence	→	Concrete or Granite Marker		Storm Sewer		Designated U/G TV Cable (S.U.E.*)	
Existing Wetland Boundary	-84	Existing Control of Access		Y ITHE TOTAL O		Recorded U/G Fiber Optic Cable	
Proposed Wetland Boundary —	-84	Proposed Control of Access —		UTILITIES:		Designated U/G Fiber Optic Cable (S.U.E.*)—	
Existing Endangered Animal Boundary		Existing Easement Line	E	POWER:	4	4.4	
Existing Endangered Plant Boundary —	D1	Proposed Temporary Construction Easement	- —-E——	Existing Power Pole	•	GAS:	
BUILDINGS AND OTHER CULTURE:		Proposed Temporary Drainage Easement —		Proposed Power Pole	0	Gas Valve	• •
		Proposed Permanent Drainage Easement —		Existing Joint Use Pole	-	Gas Meter —	Φ.
Gas Pump Vent or U/G Tank Cap ————	U	Proposed Permanent Utility Easement —		Proposed Joint Use Pole	-0-	Recorded U/G Gas Line -	
Sign —	3	Proposed Temporary Utility Easement ———		Power Manhole —	(P)	Designated U/G Gas Line (S.U.E.*)	
YYell	e e	Proposed Permanent Easement with	A	Power Line Tower —	\boxtimes	Above Ground Gas Line	A/G Gos
Small Mine	*	Iron Pin and Cap Marker	•	Power Transformer	2		
Foundation		ROADS AND RELATED FEATUR	RES:	U/G Power Cable Hand Hole —	E _H	SANITARY SEWER:	
Area Outline		Existing Edge of Pavement		H-Frame Pole	•	Sanitary Sewer Manhole	•
Cemetery	1	Existing Curb		Recorded U/G Power Line		Sanitary Sewer Cleanout	• •
Building —		Proposed Slope Stakes Cut		Designated U/G Power Line (S.U.E.*)		U/G Sanitary Sewer Line —	
School C	-	Proposed Slope Stakes Fill	£			Above Ground Sanitary Sewer —	
Church — C	₫	Proposed Wheel Chair Ramp —	- WCR	TELEPHONE:		Recorded SS Forced Main Line	rs
Dam —		Existing Metal Guardrail		Existing Telephone Pole —	-	Designated SS Forced Main Line (S.U.E.*) —	rss
HYDROLOGY:		Proposed Guardrail —		Proposed Telephone Pole -	-0-		
Stream or Body of Water — — — —		Existing Cable Guiderail		Telephone Manhole	•	MISCELLANEOUS:	
Hydro, Pool or Reservoir —		Proposed Cable Guiderail		Telephone Booth	Ð	Utility Pole —	•
Jurisdictional Stream		Equality Symbol —		Telephone Pedestal		Utility Pole with Base -	- 🖸
Buffer Zone 1 ———————————————————————————————————		Pavement Removal		Telephone Cell Tower —	J.	Utility Located Object —	• •
Buffer Zone 2		VEGETATION:	ACC. 100 (100 (100 (100 (100 (100 (100 (100	U/G Telephone Cable Hand Hole —	E	Utility Traffic Signal Box —	5
Flow Arrow		Single Tree		Recorded U/G Telephone Cable ———		Utility Unknown U/G Line	
Disappearing Stream		Single Shrub —		Designated U/G Telephone Cable (S.U.E.*)—		U/G Tank; Water, Gas, Oil —	
Spring — — — —		Hedge —		Recorded U/G Telephone Conduit		A/G Tank; Water, Gas, Oil —	
		Woods Line		Designated U/G Telephone Conduit (S.U.E.*)		U∕G Test Hole (S.U.E.*) —	
Proposed Lateral, Tail, Head Ditch		Orchard —		Recorded U/G Fiber Optics Cable —		Abandoned According to Utility Records —	
	780	Vineyard —		Designated U/G Fiber Optics Cable (S.U.E.*)		End of Information —	
ruise sonip	~	vineyara	Viriayora	Designated U.G. Fiber Optics Cable (5.U.E.*)		Eng of information	£.O.1.

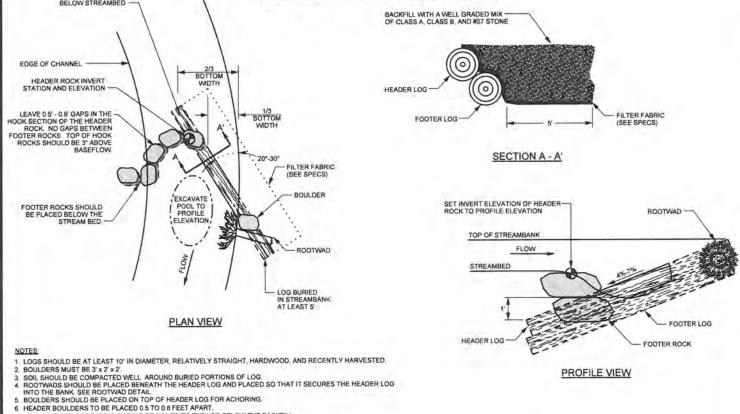


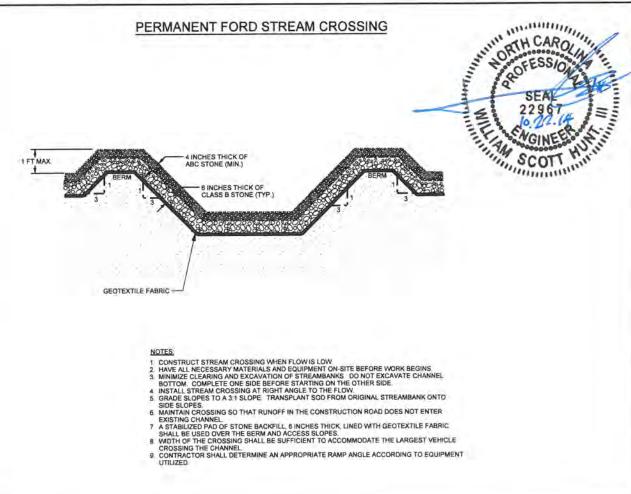












132700

EEP ID No. 95729

NON-WOVEN FILTER FABRIC SHOULD BE NAILED TO THE LOG BELOW THE BACKFILL
 FOOTERS SHALL BE INSTALLED SUCH THAT 1/4 TO 1/3 OF THE LENGTH IS DOWNSTREAM OF THE HEADER.

