



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

April 8, 2005

N.C. Division of Water Quality
1650 Mail Service Center
Raleigh NC 27699-1650

ATTN: Ms. Nicole Thomson
NCDOT Coordinator

Dear Sir:

Subject: **Neuse River Buffer Authorization Modification Request** for US 70 (Clayton Bypass) from I-40 to US 70 Business in Wake and Johnston Counties, State Project No. 8.T311002, TIP No. R-2552, NCDOT Divisions 4 and 5, WBS Element 34459.1.1.

Reference: Neuse River Buffer Authorization dated January 14, 2005 (WQC Project No. 041760)

The NC Division of Water Quality issued a Neuse Buffer Authorization for the above-mentioned project dated January 14, 2005. NCDOT has recently realized that there will be additional riparian buffer impacts at some sites. Please find enclosed site maps, revised plan sheets, and revised impact summary sheets.

Section AA

Buffer Site AA14 (Station 14+50 –LREV-):

Progress Energy will be installing a new transmission tower and relocating an existing transmission tower at this site. There are buffer zones that are being crossed by the existing utility easement. This easement is maintained by Progress Energy. No buffer zones outside of the existing easement will be affected by the installation or relocation of the towers. **Therefore, there will be no additional impacts to riparian buffers at this site.**

Buffer Site AA15a (Station 21+10 –L-):

Progress Energy will be relocating an aerial utility line at this site. Approximately 1800 square ft of riparian buffers in Zone 1 and 1200 square ft of riparian buffers in Zone 2 will be cleared to relocate this line. No grubbing will occur. **This accounts for an increase of 1800 square ft of riparian buffer impacts in Zone 1 and an increase of 1200 square ft of riparian buffer impacts in Zone 2.**

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-715-1500
FAX: 919-715-1501
WEBSITE: WWW.NCDOT.ORG

LOCATION:
2728 CAPITAL BLVD.
PARKER LINCOLN BUILDING, SUITE 168
RALEIGH NC 27604

Section B

Buffer Site 10 (Station 14+80 –Y11- REV):

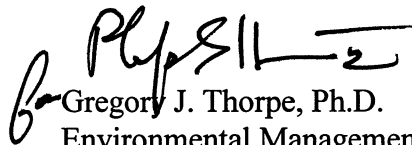
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These revisions account for an increase of 3600 square ft of riparian buffer impacts in Zone 1 and an increase of 2400 square ft of riparian buffer impacts in Zone 2. No additional mitigation is proposed since the impacts at each site do not equal or exceed 0.3 ac or 150 linear ft. Also, overhead utility line relocations are allowable under the Neuse River Buffer Rules.

NCDOT requests that the referenced Neuse River Buffer Authorization be modified to reflect the revisions outlined in this letter. We are providing seven copies of this application to the North Carolina Department of Environment and Natural Resources, Division of Water Quality, for their review.

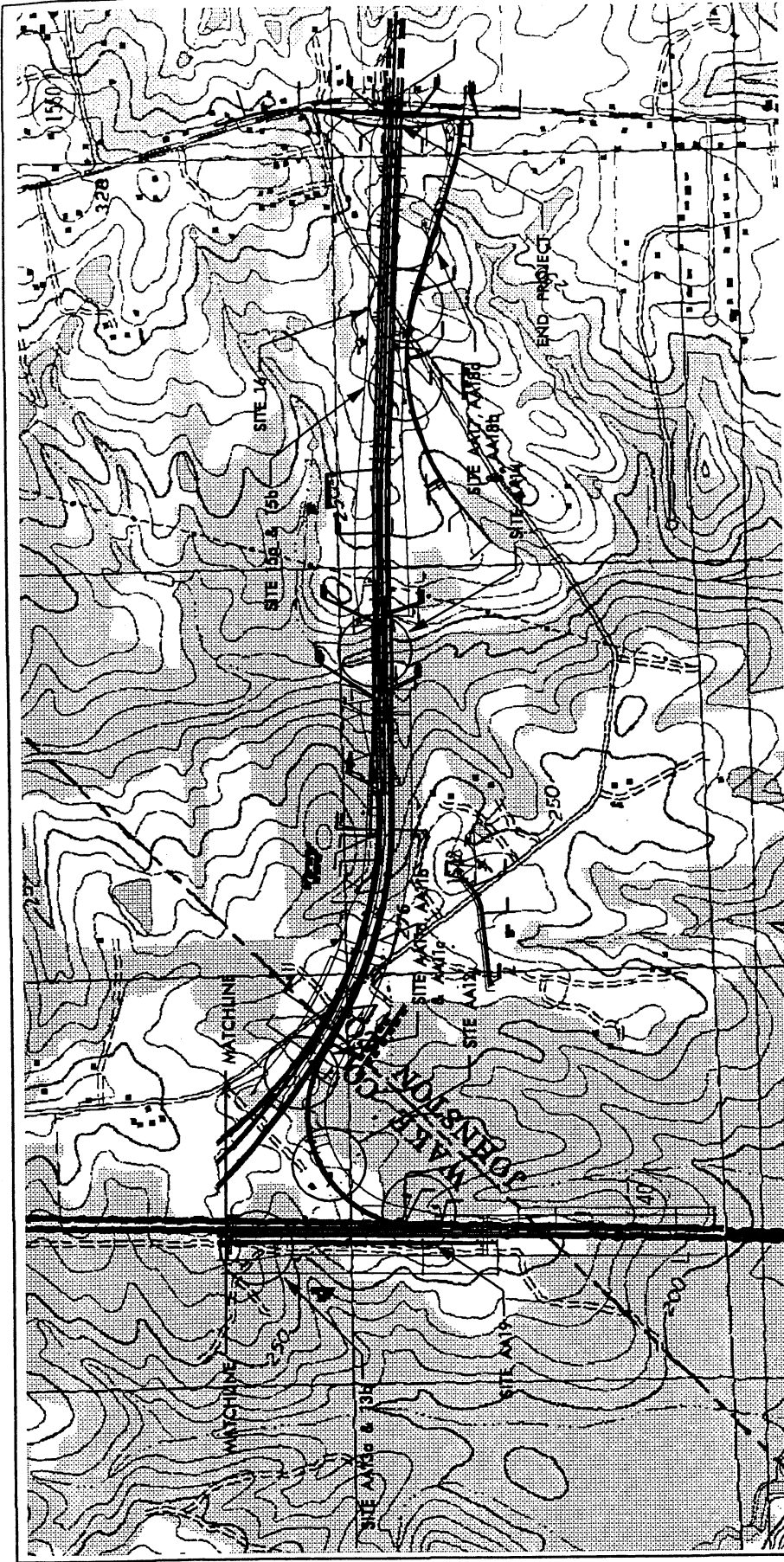
If you have any questions or need additional information please call Matt Haney at (919) 715-1428.

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory J. Thorpe", is written over the printed name.

Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA

Cc: Mr. John Hennessy, NCDWQ (7 copies)
Mr. Travis Wilson, NCWRC
Ms. Becky Fox, USEPA
Mr. Gary Jordan, USFWS
Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Dr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. Jim Trogdon, P.E., Division 4 Engineer
Mr. Jamie Shern, Division 4 DEO



NCDOT

DIVISION OF HIGHWAYS

WAKE / JOHNSTON COUNTY

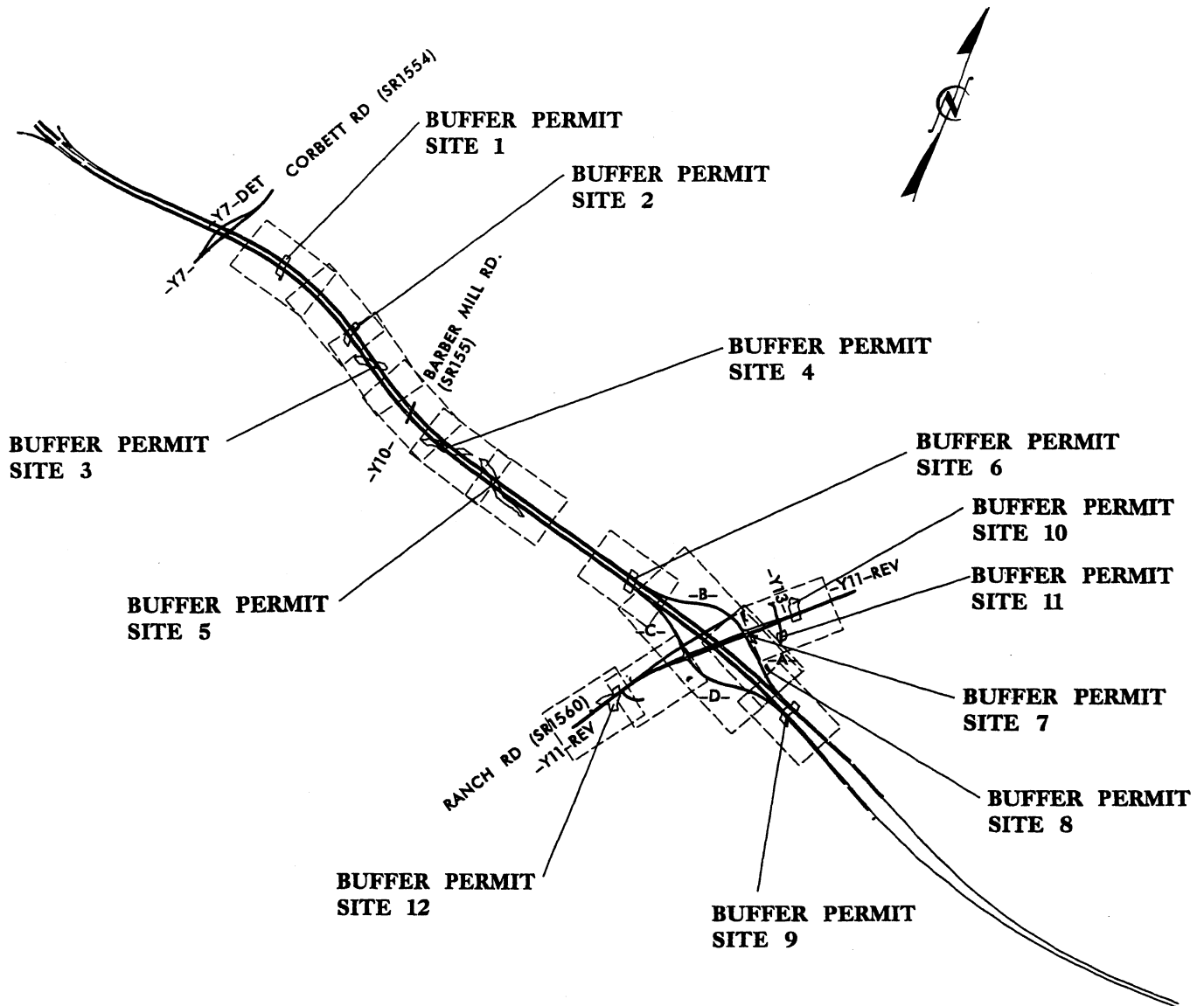
PROJECT: 34459.1.1 (R-252AA)

US 70 CLAYTON BYPASS

SHEET 3 OF 18 10/01/04

SITE MAP

SITE MAP



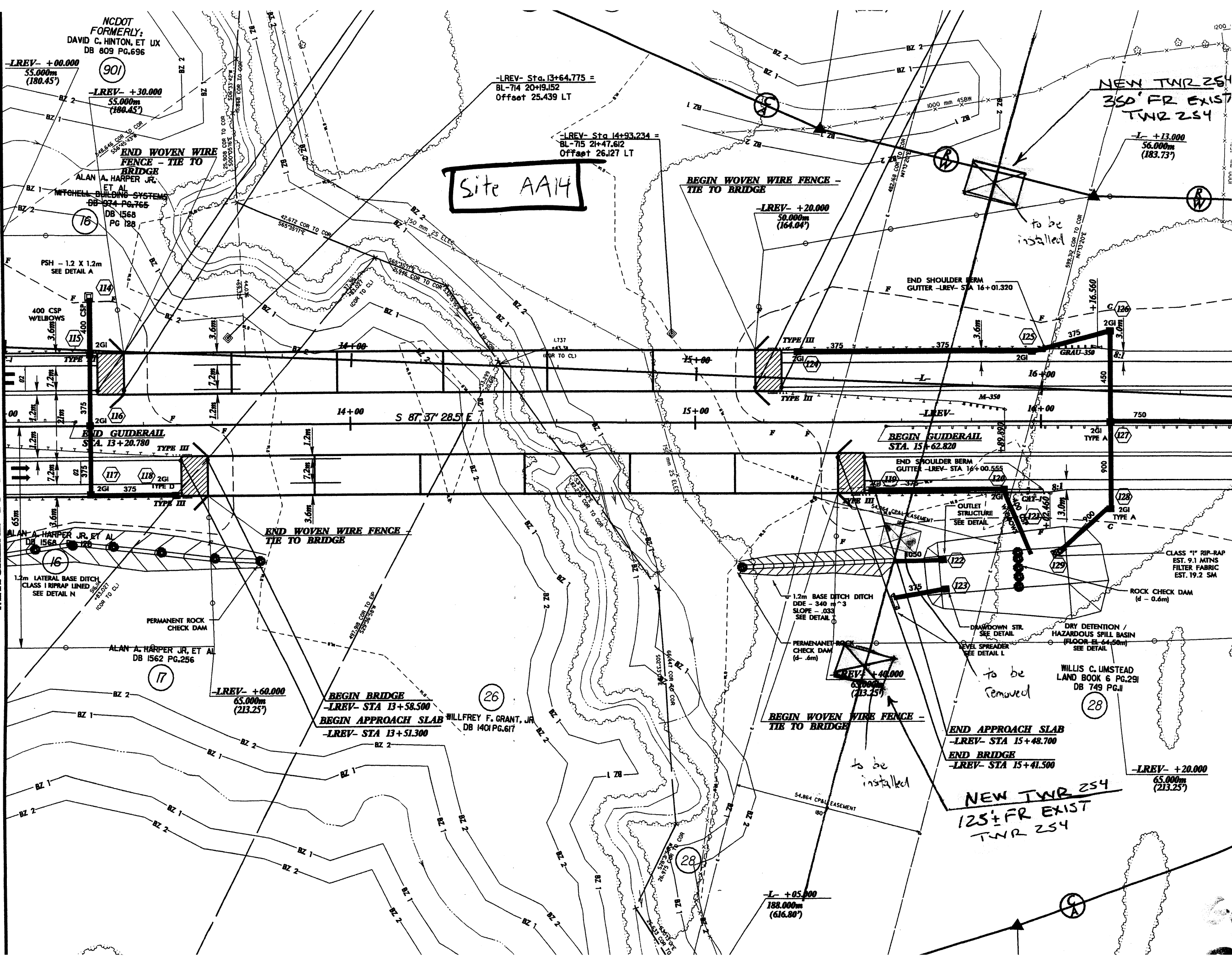
BUFFER PERMIT DRAWING VICINITY MAP

**DIVISION OF HIGHWAYS
JOHNSTON COUNTY**

**PROJECT: 8.T311002 (R-2552B)
US 70 CLAYTON BYPASS FROM
EAST OF NC 42 TO EAST OF
SR 1560 (RANCH ROAD)**

SHEET 2 OF 11 9/23/2004

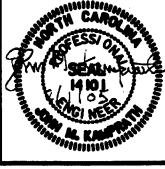
MATCHLINE TO SHEET 9 -LREV- STA. 13+00.000



ALL WATER LINES
OWNED BY JOHNSTON COUNTY

PROJECT REFERENCE NO.
R-2552AA

SHEET NO.
UC-4



10 0 20
UTILITY CONSTRUCTION

PROP. 114M OF 200MM PVC WATER PIPE,
SDR 21, 1.38 MPA WP
1 - 200MM 45° DI BEND
CONNECT USING NECESSARY FITTINGS

PROP. 81M OF 200MM DI WATER PIPE,
PC 2.41 MPA
1 - 200MM 90° DI BEND
1 - 200MM 45° DI BEND
1 - 200MM 11 1/4° DI BEND
CONNECT USING NECESSARY FITTINGS

Site AA15a



- Proposed telephone conduit by directional bore
- New Aerial power line clearing will be 15' either side of pole

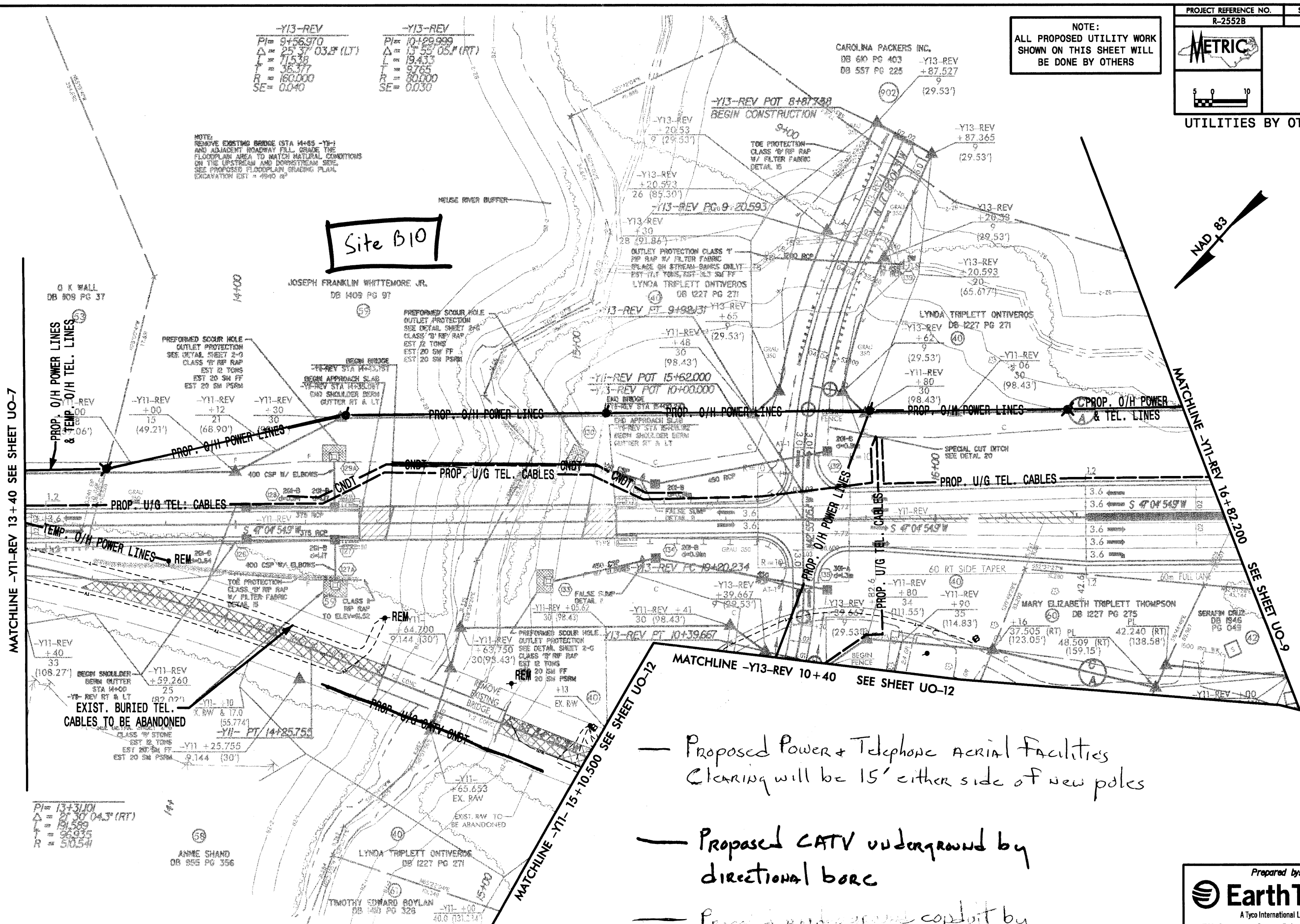
Prepared by:


A Tyco International Ltd. Company

701 Corporate Center Drive, Suite 475
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259(fax)

8/17/97 11:25:52 c:\p01\p01\2552\00uc4.dgn
11/3/142 AM

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



Site B10

— Proposed Power & Telephone Aerial Facilities
Clearing will be 15' either side of new poles

— Proposed CATV underground by
directional bore

— Proposed underground conduit by
directional bore. Telephone to be placed inside
conduit

957981 (R-2552B) (UO-8) (1/25/95) (1/25/95) (1/25/95)

BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT						BUFFER REPLACEMENT		
			TYPE		ALLOWABLE		MITIGABLE				ZONE 2 (ft²)
			ROAD CROSSING	PARALLEL IMPACT	ZONE 1 (ft²)	ZONE 2 (ft²)	TOTAL (ft²)	ZONE 1 (ft²)	ZONE 2 (ft²)	TOTAL (ft²)	
AA1a	600 RCP	I1Y1 10+90	X		430.56	2611.00	3041.56				
AA1b	600 RCP	I1Y1 10+90	X		2124.80	1765.28	3890.08				
AA3a	1350 CSP	I1Y1 13+70	X		3717.85	4049.38	7767.23				
AA3b	1350 CSP	I1Y1 13+70	X		4111.81	4391.68	8503.49				
AA4a	750 RCP	I1Y1 20+90	X					11348.39	8144.73	19493.12	
AA4b	900 RCP	FLYLREV 29+50	X					8830.17	6469.65	15299.82	
AA5a	750 RCP	LPB 21+90	X					41580.88	32338.05	73918.93	
AA5b	900 RCP	FLYLREV 28+20	X					SEE AA5a FOR SITE TOTAL			
AA10a	800 CSP	FLYLWREV 23+20	X					11797.25	9601.41	21398.66	
AA10b	BRIDGE	FLYLREV 24+45	X		18155.59	14593.60	32749.19				
TOTAL:					28540.61	27410.94	55951.55	73556.69	56553.84	130110.53	

NOTE : WETLAND IMPACT IN BUFFER ZONES

ZONE		2	
1		1	

SITE	AA1b	AA4b	AA5b	AA6	AA10a	AA10b
	107.60	107.60	193.68	107.60	215.20	538.00
	ft²	ft²	ft²	ft²	ft²	ft²
	0.00	0.00	107.60	322.80	0.00	107.60
	ft²	ft²	ft²	ft²	ft²	ft²

N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

WAKE / JOHNSTON COUNTY
PROJECT # - WBS 34459.1.1 (R2552AA)
US 70 - CLAYTON BYPASS

1/6/2005
SHEET OF

BUFFER IMPACTS SUMMARY

				IMPACT							BUFFER REPLACEMENT			
SITE NO.	STRUCTUR E SIZE / TYPE	STATION (FROM/TO)	ROAD CROSSING	TYPE		ALLOWABLE		TOTAL (ft²)	MITIGABLE		TOTAL (ft²)	ZONE 1 (ft²)	ZONE 2 (ft²)	
				PARALLEL IMPACT	ZONE 1 (ft²)	ZONE 2 (ft²)	ZONE 1 (ft²)		ZONE 2 (ft²)					
AA11b	1500 RCP	FLYLEREV 18+00	X						46633.03	32446.41	79079.43			
AA11c	450 RCP	FLYLEREV 18+40 LT	X						SEE AA11b FOR SITE TOTAL					
AA13	600 RCP	I1Y1 30+80	X		3719.82	5908.53	9628.35							
AA14	BRIDGE	LREV 14+50	X		18513.82	15333.94	33847.76							
							0.00							
AA15a	1050 RCP	L 21+10	X		5571.94	4047.45	9619.39							
		additional impacts (utilities)			1800.00	1200.00	3000.00							
AA15b	1050 RCP	Y2B 12+70	X						6284.08	8147.74	14431.82			
AA16	750 RCP	L 23+00	X						27648.93	19748.98	47397.91			
AA18a	1200 RCP	L 25+80	X						28645.56	18336.32	46981.88			
AA18b	1350 RCP	Y2B 16+00	X						8818.38	6898.70	15717.07			
AA19	750 RCP	I1Y1 33+90 LT	X		2164.73	1921.68	4086.41							
TOTAL:					31770.31	28411.60	60181.90		118029.98	85578.14	203608.12			
PROJECT TOTAL:					60310.92	55822.54	116133.45		191586.67	142131.98	333718.65			

NOTE: WETLAND IMPACT IN BUFFER ZONES

**N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS**

WAKE / JOHNSTON COUNTY
PROJECT # - WBS 34459.1.1 (R2552AA)
US 70 - CLAYTON BYPASS

BUFFER IMPACTS SUMMARY

[illegible]

N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

JOHNSTON COUNTY

PROJECT: 8.T311002 (R-2552B)
US-70 CLAYTON BYPASS
EAST OF NC 42 TO EAST OF SR 1560
3/28/2005

SHEET OF