



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

September 13, 2007

MEMORANDUM TO: Mr. Mike Mills, PE  
Division Seven Engineer

FROM: Philip S. Harris, III, P.E., Unit Head *E.L. Fush*  
Natural Environment Unit  
Project Development and Environmental Analysis Branch

SUBJECT: Guilford County, Replace Bridge No.73 over Bull Run  
Creek; T.I.P. Number B-4128; State Project 8.2497601;  
WBS No. 33481.1.1

Attached are the utility drawings for the above referenced project. Please add this information to the previously distributed packet.

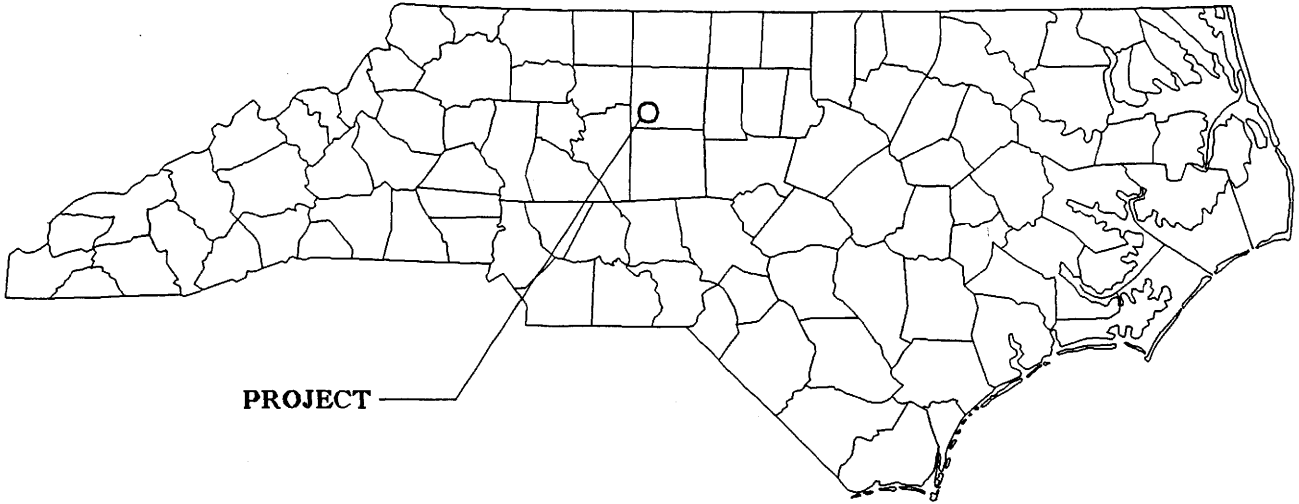
PSH/gyb

Attachment

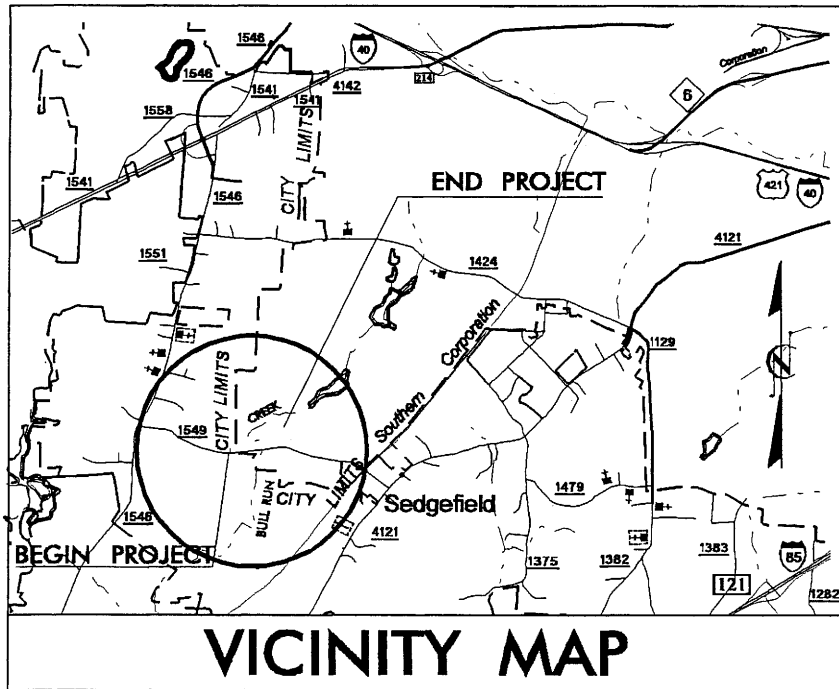
Cc:

Mr. Majed Alghandour, P. E., Programming and TIP  
Mr. Jay Bennett, P.E., Roadway Design  
Dr. David Chang, P.E., Hydraulics  
Mr. Randy Garris, P.E. State Contract Officer  
Mr. Art McMillan, P.E., Highway Design  
Mr. Greg Perfetti, P.E., Structure Design  
Mr. Mark Staley, Roadside Environmental  
Mr. John F. Sullivan, FHWA  
Mr. Eric Midkiff, P.E., PDEA Central Region Unit Head  
Mr. Jerry Parker, Division Environmental Officer

# NORTH CAROLINA



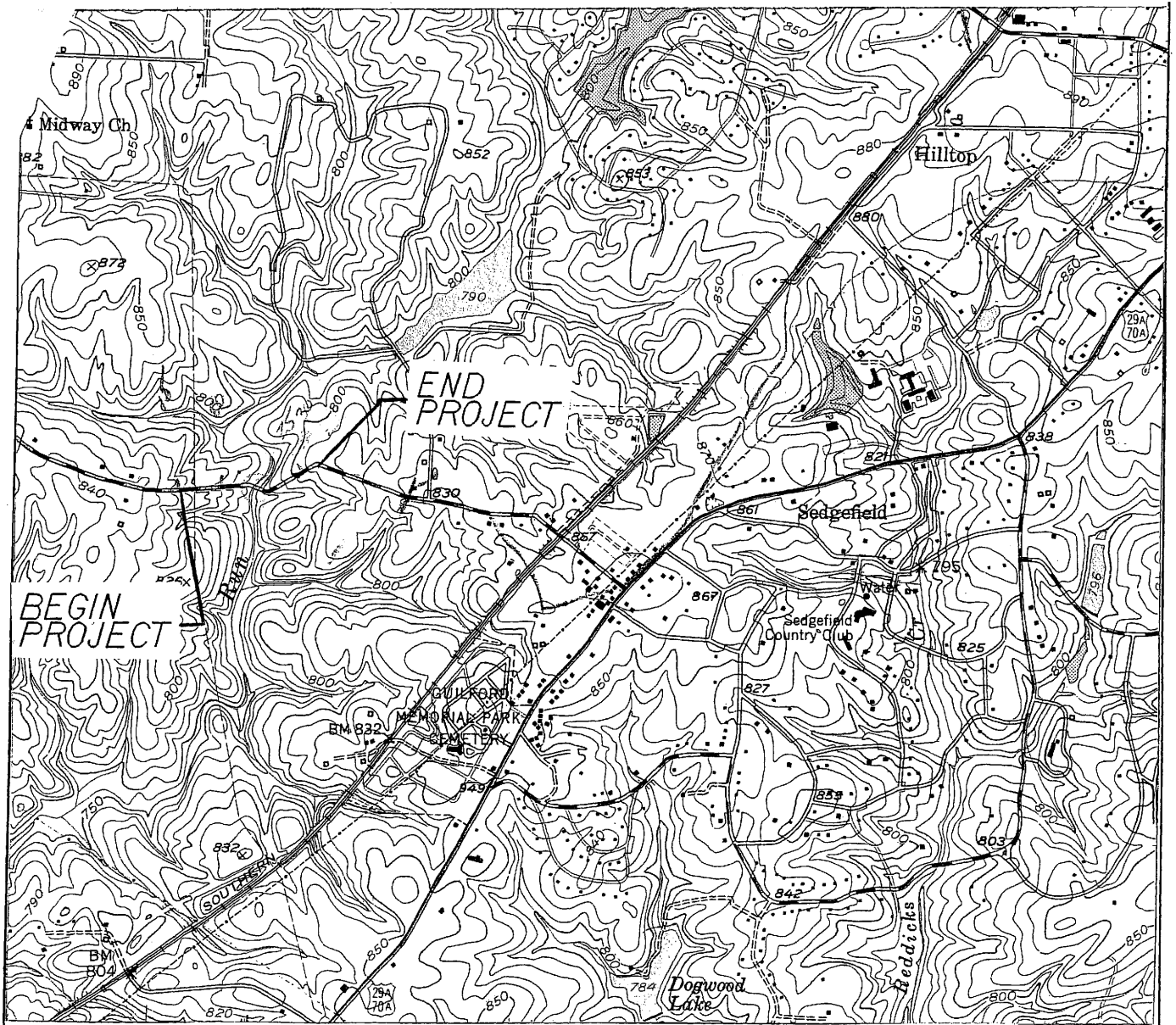
PROJECT



## VICINITY MAP

### Utility VICINITY MAPS

NCDOT  
DIVISION OF HIGHWAYS  
GUILFORD COUNTY  
PROJECT: 33481.1 (B-4128)  
BRIDGE No. 73 OVER  
BULL RUN CREEK ON  
SR 1549 IN GREENSBORO



Utility  
VICINITY  
MAPS

N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
GUILFORD COUNTY  
PROJECT: 33481.1 (B-4128)  
BRIDGE No. 73 OVER  
BULL RUN CREEK ON  
SR 1549 IN GREENSBORO

# UTILITY BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT						BUFFER REPLACEMENT				
			TYPE		ALLOWABLE		MITIGABLE		ZONE 1 (ft <sup>2</sup> )	ZONE 2 (ft <sup>2</sup> )	TOTAL (ft <sup>2</sup> )		
			ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft <sup>2</sup> )	ZONE 2 (ft <sup>2</sup> )	TOTAL (ft <sup>2</sup> )					
1	Sanitary Sewer Line	24+18 RT						564.0	144.0	708.0			
2	Power Pole	25+30 LT						4.0		4.0			
<b>TOTAL:</b>							0.0	0.0	0.0	568.0	144.0	712.0	

N.C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
Guilford County  
PROJECT: 33481.1.1 (B-4128)

RECEIVED

MAY 23 2007

DIVISION OF HIGHWAYS  
POEA-OFFICE OF NATURAL ENVIRONMENT

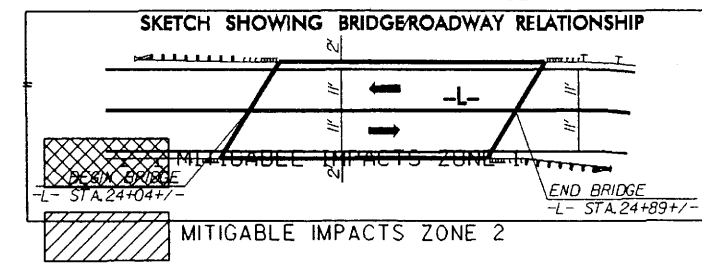
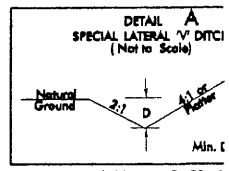
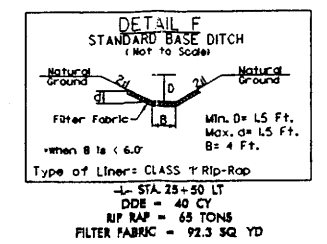
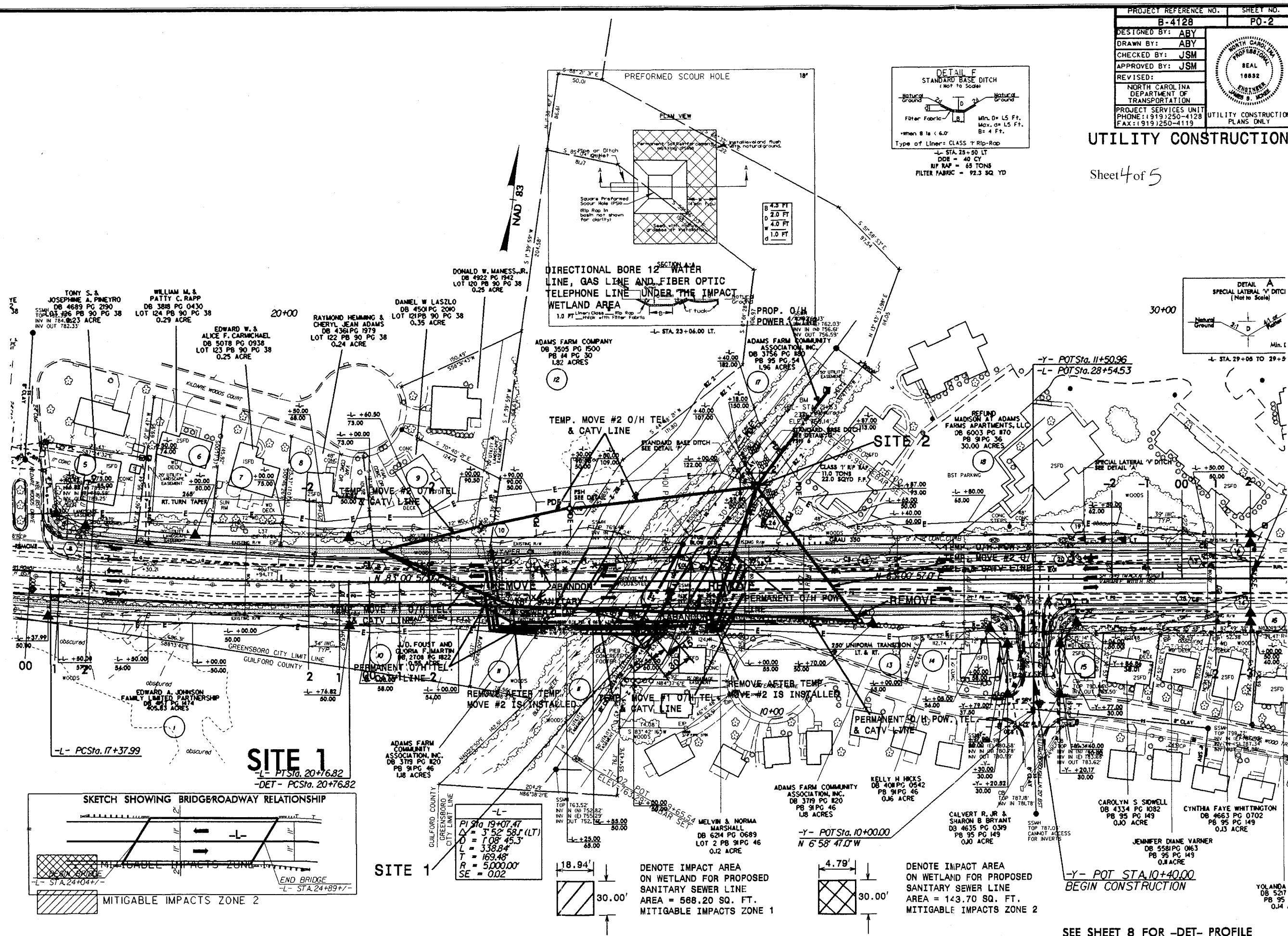
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8/17/07

REVISIONS  
R/W REVISIONS: 11/17/06 DJC; PROPERTY OWNER NAME CHANGES, ADDED PUSES AND OFFSETS FOR MONUMENTS.

PROJECT REFERENCE NO.	SHEET NO.
B-4128	P0-2
DESIGNED BY: ABY	
DRAWN BY: ABY	
CHECKED BY: JSM	
APPROVED BY: JSM	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

### UTILITY CONSTRUCTION

Sheet 4 of 5

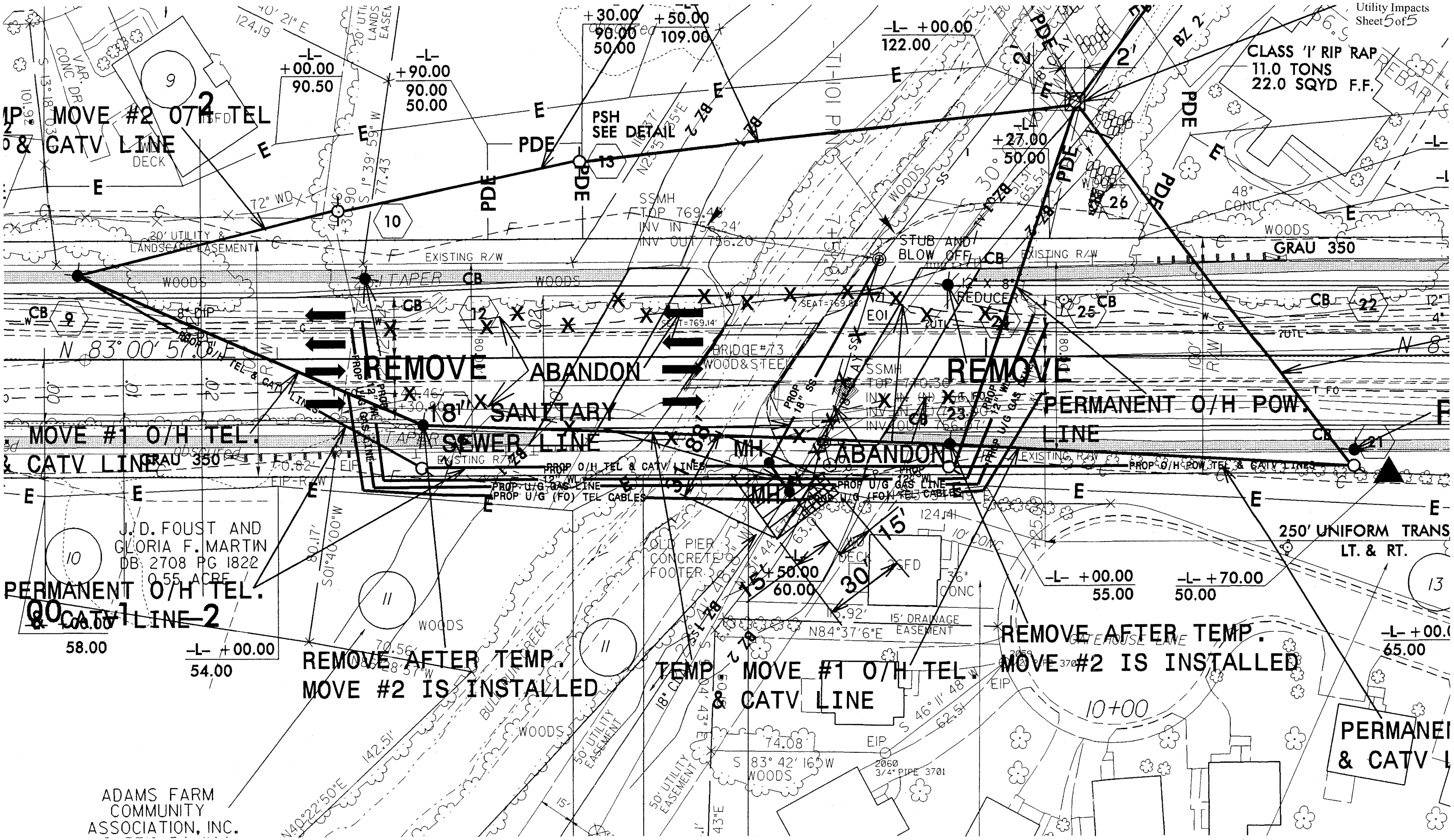


$P1 = 910.19 + 07.47$   
 $\Delta = 3^\circ 52' 58.1 (LT)$   
 $D = 1708.453'$   
 $L = 338.84'$   
 $T = 169.48'$   
 $R = 5000.00'$   
 $SE = 0.02$

DENOTE IMPACT AREA  
 ON WETLAND FOR PROPOSED  
 SANITARY SEWER LINE  
 AREA = 588.20 SQ. FT.  
 MITIGABLE IMPACTS ZONE 1

DENOTE IMPACT AREA  
 ON WETLAND FOR PROPOSED  
 SANITARY SEWER LINE  
 AREA = 143.70 SQ. FT.  
 MITIGABLE IMPACTS ZONE 2

SEE SHEET 8 FOR -DET- PROFILE



MOVE #2 O/H TEL  
& CATV LINE

MOVE #1 O/H TEL  
& CATV LINE

PERMANENT O/H TEL.  
& CATV LINE

REMOVE AFTER TEMP.  
MOVE #2 IS INSTALLED

TEMP. MOVE #1 O/H TEL  
& CATV LINE

REMOVE AFTER TEMP.  
MOVE #2 IS INSTALLED

PERMANENT  
& CATV LINE

ADAMS FARM  
COMMUNITY  
ASSOCIATION, INC.

CLASS '1' RIP RAP  
11.0 TONS  
22.0 SQYD F.F.

GRAU 350

250' UNIFORM TRANS  
LT. & RT.

J. D. FOUST AND  
GLORIA F. MARTIN  
DB 2708 PG 1822  
0.55 ACRE

OLD PIER  
CONCRETE  
FOOTER

36" CONC

2060  
3/4" PIPE 3701