



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

March 25, 2009

U. S. Army Corps of Engineers
Asheville Regulatory Field Office
151 Patton Avenue, Room 208
Asheville, NC 28801-5006

ATTENTION: Mr. Steve Lund
NCDOT Coordinator

SUBJECT: **Notice of Permit Modification for Nationwide Permit 13** for the proposed replacement of Bridge No. 36 over Irvins Creek on SR 3135. Mecklenburg County, Federal Project No. BRSTP-3135(4), Division 10, T.I.P. No. B-3677, WBS Element 33172.1.1.

Reference: Original Permit notice of use issued March 31, 2008
USACE Action ID –SAW-2008-1292

Dear Mr. Lund:

Please see the enclosed revised permit drawings for the above referenced project. A Nationwide Permit 13 Notice of Use letter was issued by NCDOT on March 31, 2008 for 91 feet of permanent fill in the Irvins Creek. A recent change in the design for this project includes the building a three span bridge instead of a single span bridge. There will be an additional 9 feet of permanent stream from the placement of riprap on the banks of Irvins Creek for bank stabilization for a total of 99 feet.

Section 404 Permit:

It is anticipated that the additional impacts relating to bank stabilization will be authorized under Section 404 Nationwide Permit 13 (Bank stabilization). The impacts from bank stabilization do not constitute "loss of waters"; therefore no mitigation is proposed. This letter serves as Notice of Use by NCDOT and written concurrence is not requested.

Section 401 Permit:

It is anticipated that the additional impacts will be authorized by Section 401 General Certification number 3689. The NCDOT will adhere to all general conditions of the Water Quality Certification. Therefore, we are not requesting written concurrence. We are providing two copies of this application to the North Carolina Department of Environment and Natural Resources for their records.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1548

TELEPHONE: 919-715-1334
FAX: 919-715-5501

WEBSITE: WWW.NCDOT.ORG

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

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Brett Feulner at bmfeulner@ncdot.gov or (919) 431-6663.

Sincerely,

E. J. Lusk
for

Gregory J. Thorpe, Ph.D., Environmental Management Director
Project Development and Environmental Analysis Branch

cc:

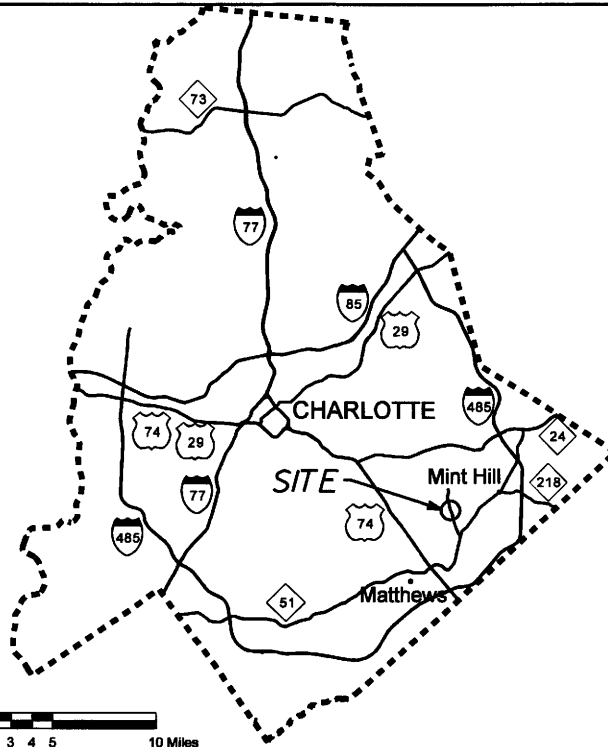
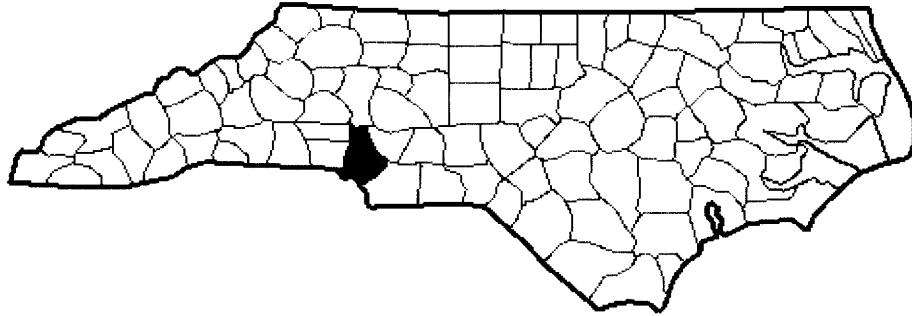
W/attachment

Mr. Brian Wrenn, NCDWQ (2 Copies)
Ms. Marella Buncick, USFWS
Ms. Marla Chambers, NCWRC

W/o attachment (see website for attachments)

Dr. David Chang, P.E., Hydraulics
Mr. Victor Barbour, P.E., Project Services Unit
Mr. Mark Staley, Roadside Environmental
Mr. Greg Perfetti, P.E., Structure Design
Mr. Barry Moose, P.E. Division 10 Engineer
Mr. Larry Thompson, Division 10 Environmental Officer
Mr. Jay Bennett, P.E., Roadway Design
Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Mr. Hank Schwab, PDEA
Mr. Scott McLendon, USACE, Wilmington

NORTH CAROLINA



VICINITY MAP

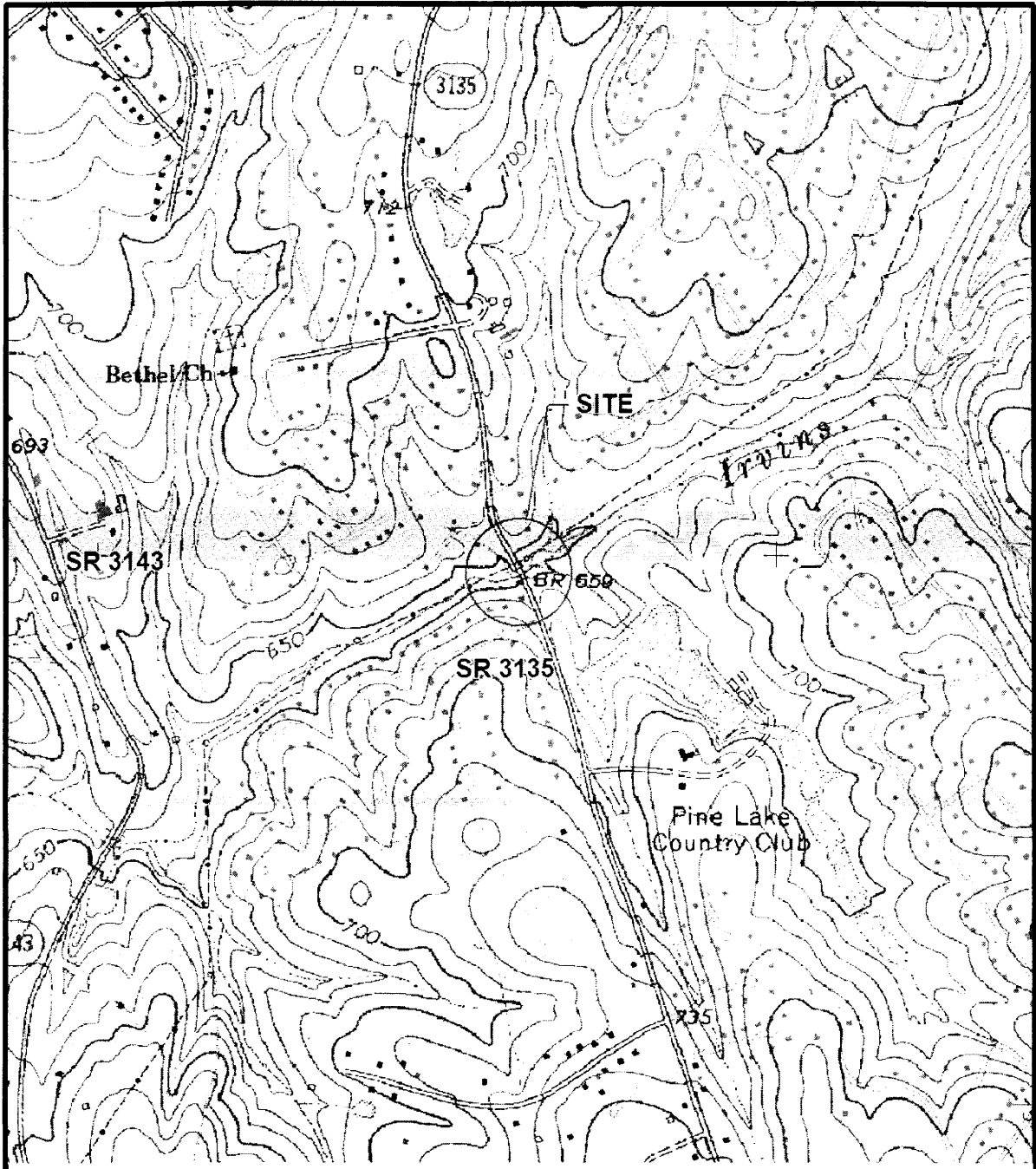
NCDOT
DIVISION OF HIGHWAYS
MECKLENBURG COUNTY

PROJECT: 33220.1.1 (B-3677)

REPLACE BRIDGE NO. 36 ON SR 3135
OVER IRVINS CREEK

SHEET 1 OF 7

Revised
JANUARY 2009



SITE MAP

NCDOT
DIVISION OF HIGHWAYS
MECKLENBURG COUNTY

PROJECT: 33220.1.1 (B-3677)

REPLACE BRIDGE NO. 36 ON
SR 3135 OVER IRVINS CREEK

Revised
SHEET 2 OF 7 JANUARY 2009

WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS							
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)			
1	-L- 19+62 +/- TO -L- 19+98 +/- LT & RT	95 FT CORED SLAB BRIDGE								0.008				100	
TOTALS:										0.008				100	

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
MECKLENBURG COUNTY
PROJECT: 33220.1.1 (B-3677)

Rev. 5/07
JANUARY 2009

PROPERTY OWNER

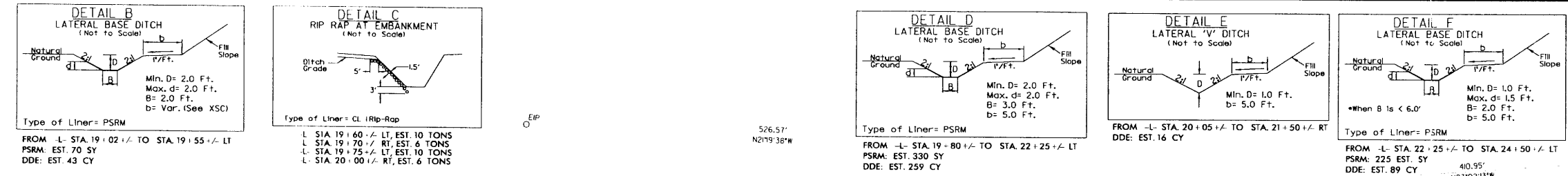
SITE #	OWNER'S NAME	ADDRESS
SITE 2	JENNIFER TALLEY-HARMON AND FRANK III HARMON	4221 SINGLETREE RD CHARLOTTE, NC 28227
SITE 3	PINE LAKE COUNTRY CLUB, INCORPORATED	P.O. BOX 690490 CHARLOTTE, NC 28227
SITE 4	LYNDELL D. THOMPSON AND WIFE, LOIS Y. THOMPSON	5817 LEBANON ROAD CHARLOTTE, NC 28227
SITE 5	NIDIA L SUAREZ AND LEIDY GOMEZ	5836 LEBANON RD CHARLOTTE, NC 28227

NCDOT
DIVISION OF HIGHWAYS
MECKLENBURG COUNTY

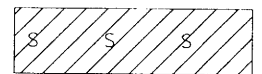
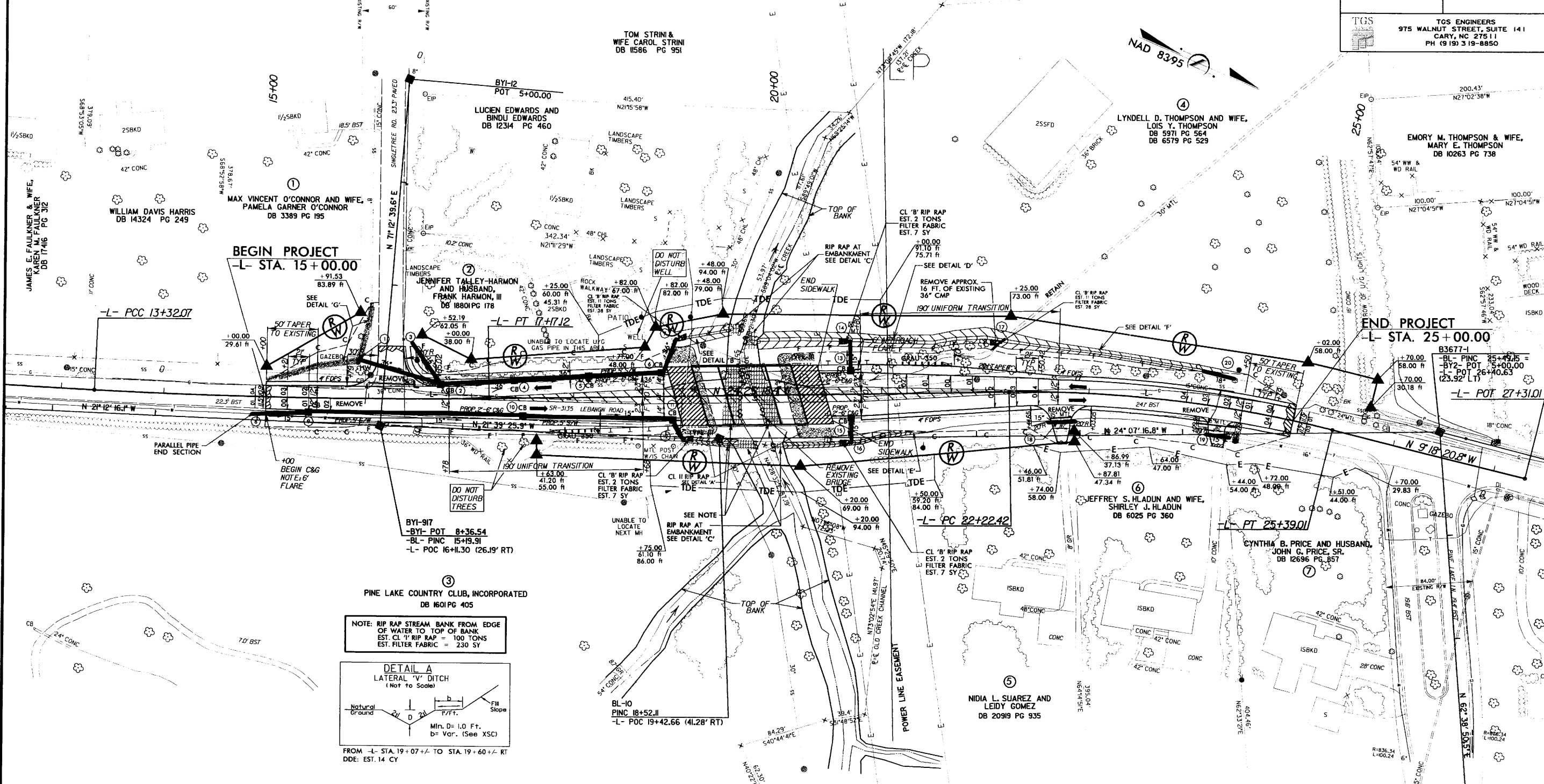
PROJECT: 33220.1.1 (B-3677)

REPLACE BRIDGE NO. 36 ON
SR 3135 OVER IRVINS CREEK

PROJECT REFERENCE NO. B-3677	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
TGS	TGS ENGINEERS 975 WALNUT STREET, SUITE 141 CARY, NC 27511 PH (919) 319-8850

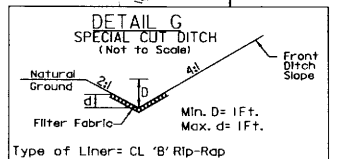
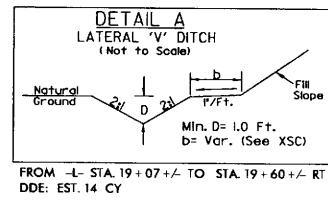


REVISIONS
 - REMOVED PROPOSED RW & REVISED DRIVEWAY ON PARCEL 6. REPLACED DRIVE PIPE ON PARCEL 4. REVISED OWNER NAMES ON PARCELS 2, 5, & 7. WC PARKER, PE
 - REVISED OWNER NAMES ON FOUR PARCELS OUTSIDE OF PROJECT LIMITS; ADDED OFFSETS TO RW & EASEMENT FLAGS AT VARIOUS POINTS ALONG PROJECT. WC PARKER, PE
 DATE: _____
 DATE: _____



DENOTES SURFACE
 WATER IMPACTS

NOTE: RIP RAP STREAM BANK FROM EDGE
 OF WATER TO TOP OF BANK
 EST. CL 'B' RIP RAP = 100 TONS
 EST. FILTER FABRIC = 230 SY



Type of Liner = CL 'B' Rip-Rap
 FROM -L- STA. 15+00.00 TO STA. 15+90 +/- LT
 CLASS 'B' RIP RAP: EST. 48 TONS
 FILTER FABRIC: EST. 65 SY
 SEE PLANS RT SIDE OF SR4141 (15.7% SLOPE)
 CLASS 'B' RIP RAP: EST. 30 TONS
 FILTER FABRIC: EST. 43 SY

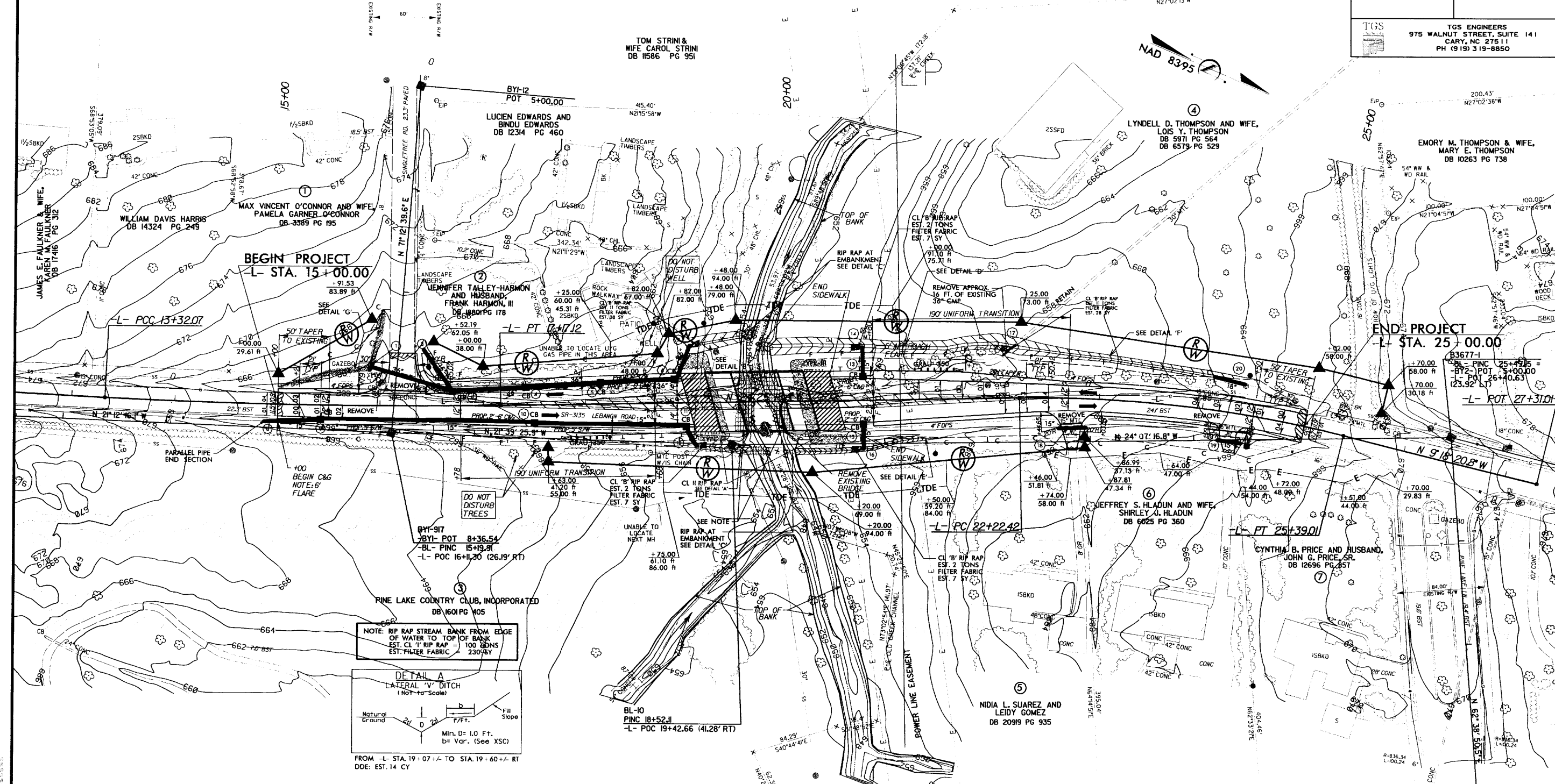
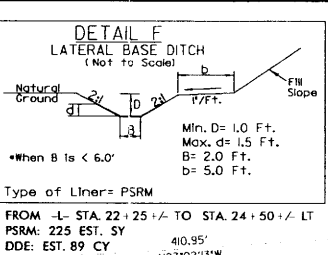
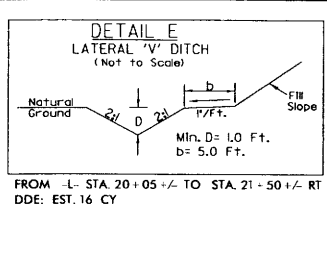
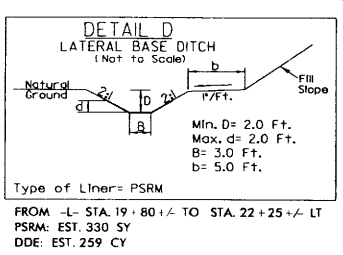
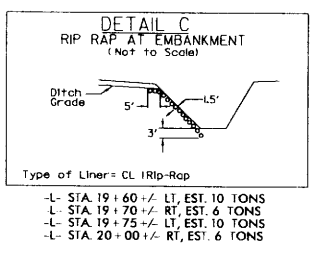
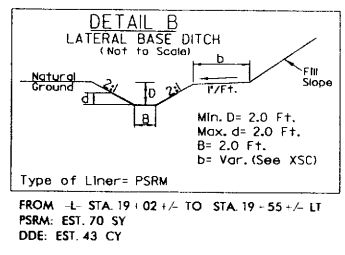
Permit Drawing
 Sheet 4 of 7
 Revised March 2009

SEE SHEETS S-1 THRU S-4 FOR STRUCTURE PLANS

SEE SHEET 5 FOR -L- PROFILE

IMPACTED IRVINS CREEK SURFACE WATER

PROJECT REFERENCE NO. B-3677		SHEET NO. 4	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
TGS		TGS ENGINEERS 975 WALNUT STREET, SUITE 141 CARY, NC 27511 PH (919) 319-8850	

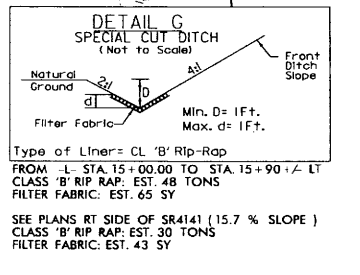


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 DATE: _____
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DENOTES SURFACE WATER IMPACTS

IMPACTED IRVINS CREEK SURFACE WATER

Permit Drawing
 Sheet 6 of 7
 Revised March
 2009
 SEE SHEETS S-1 THRU S-4
 FOR STRUCTURE PLANS
 SEE SHEET 5 FOR -L- PROFILE

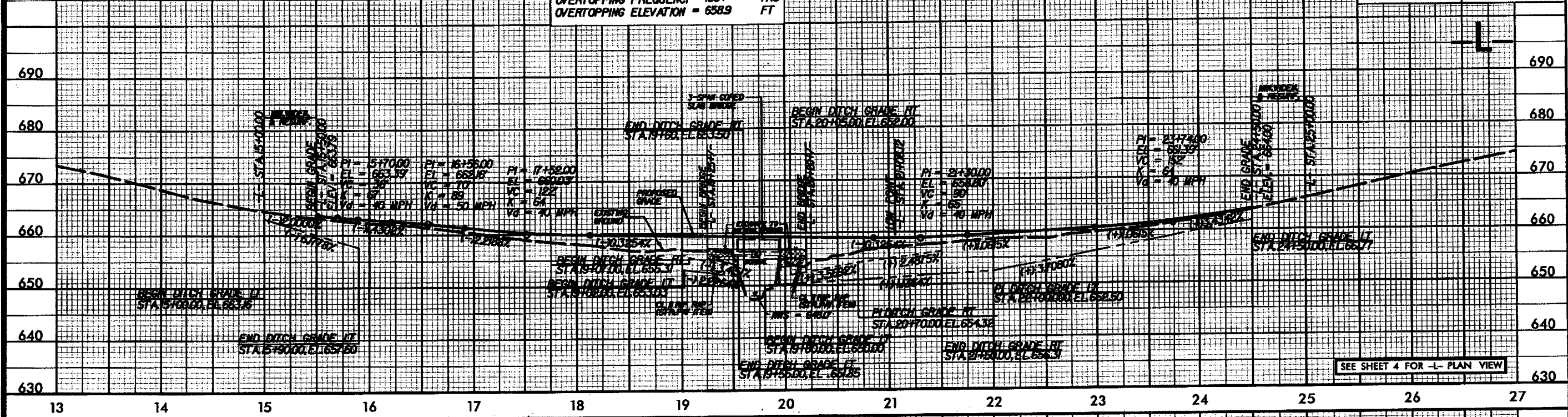


STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE	= 2,200	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN ELEVATION	= 658.3	FT
BASE DISCHARGE	= 3,100	CFS
BASE FREQUENCY	= 100	YRS
BASE ELEVATION	= 659.2	FT
OVERTOPPING DISCHARGE	= 3,600	CFS
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING ELEVATION	= 658.9	FT

BM# 533-01
 -BL- STA. 18+47.91 OFF 5.22' LT
 ELEV. = 656.500
 CITY OF CHARLOTTE SURVEY MARK.
 (CITY OF CHARLOTTE PUBLISHED ELEV. = 656.08')

BM# 2
 -BL- STA. 19+32.36 OFF 290.09' LT
 ELEV. = 653.306
 RR SPIKE IN THE BASE OF A 15" HAWTHORN.



SEE SHEET 4 FOR -L- PLAN VIEW

Permit Drawing
 Sheet 7 of 7
 Roused March
 2009