



PAT McCrory  
*Governor*

NICHOLAS J. TENNYSON  
*Secretary*

April 20, 2016

US Army Corps of Engineers  
Regulatory Field Office  
3331 Heritage Trade Drive, Suite 105  
Wake Forest, North Carolina 27587

ATTN: Mr. Andy Williams  
NCDOT Coordinator

Dear Sir:

**Subject: Request for Modification to Individual Section 404 Permit and Section 401 Water Quality Certification** for widening and new lane construction from US 74 Rockingham/Hamlet Bypass to US 220 Ellerbe Bypass in Richmond County. Federal Aid Project No. NHF-0220(4), State Project No. 8.1580802, TIP Nos. R-3421A and B.

References: Section 404 Individual Permit issued August 7, 2012(SAW-1996- 03023)  
Section 401 Water Quality Certification issued May 10, 2012 (3916)  
Modification of Section 404 Individual Permit issued October 17, 2012  
Modification of Section 401 Water Quality Certification issued August 28, 2012

The purpose of this letter is to submit utility impact drawings for modification of the Clean Water Act (CWA) Section 404 Individual Permit (IP) and Section 401 Water Quality Certification for R-3421. R-3421 is a phased Individual Section 404 and Section 401 permit. Final drawings were submitted for construction of the C section. Preliminary drawings for Sections A and B were also submitted with the original permit application. Please see the attached utility impact drawings and North Carolina Division of Mitigation Services acceptance letter.

#### Utility Impacts

Piedmont Natural Gas (PNG) proposes to relocate an existing 4-inch line currently in conflict with the proposed alignment for the A section of R-3421, prior to NCDOT road construction. No permanent stream impacts are anticipated. There will be 0.13 acre of permanent wetland impacts due to mechanized clearing in the 30-foot maintenance corridor. An additional 10 linear feet of temporary impact will occur to a jurisdictional stream. No other PNG relocations are anticipated for this project.

#### Other Utilities

A water pumping station, located in the footprint of the interchange for the A section, will be moved outside of the highway right-of-way. The water facility relocations will use trenchless installation procedures at all creek and wetland crossings along the relocation route. No impacts will occur to jurisdictional features identified within the project.



Electrical transmission and distribution lines along the project will be relocated at a future date, prior to construction of R-3421 A and B. Information concerning potential stream and wetland impacts in the project area not available at this time. If conflicts occur between the relocation of the electrical lines and jurisdictional features, a modification to the existing permit will be requested.

### **Regulatory Approvals**

Section 404: We are hereby requesting the modification of the US Army Corps of Engineers Section 404 Individual Permit, for the above-described activities.

Section 401: We are hereby requesting the modification of the NC Division of Water Resources Section 401 Water Quality Certification, for the above-described activities.

A copy of this permit modification request will be posted on the NCDOT Website at <https://connect.ncdot.gov/resources/Environmental/Pages/default.aspx>, under *Quick Links > Permit Applications*. A copy of the Environmental Assessment is also available at the above website address under *Quick Links > Environmental Documents*.

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Jason Dilday at 919-707-6111 or [jldilday@ncdot.gov](mailto:jldilday@ncdot.gov).

Sincerely,



for

Philip S. Harris III, P.E., C.P.M.  
Natural Environment Section Head

cc:

NCDOT Permit Application Standard Distribution List.



PAT MCCRORY  
Governor

DONALD R. VAN DER VAART  
Secretary

April 19, 2016

Mr. Philip S. Harris, III, P.E., PLS  
Project Development and Environmental Analysis Unit  
North Carolina Department of Transportation  
1598 Mail Service Center  
Raleigh, North Carolina 27699-1598

Dear Mr. Harris:

Subject: Mitigation Acceptance Letter:

**R-3421A**, US 220 Bypass / I-73/74 Corridor (Bypass of Rockingham), Richmond County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory riparian wetland mitigation for the subject project. Based on the information supplied by you on April 17, 2016, the impacts are located in CU 03040201 of the Yadkin River basin in the Southern Piedmont (SP) Eco-Region, and are as follows:

Yadkin 03040201 SP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	0.13	0	0	0	0

\*Some of the stream and/or wetland impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

The impacts and associated mitigation needs were under projected by the NCDOT in the 2016 impact data. DMS will commit to implement sufficient compensatory riparian wetland mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

If you have any questions or need additional information, please contact Beth Harmon at 919-707-8420.

Sincerely,

James B. Stanfill  
Credit Management Supervisor

cc: Mr. David Bailey, USACE – Raleigh Regulatory Field Office  
Ms. Amy Chapman, NCDWR  
File: R-3421A



State of North Carolina | Environmental Quality  
1601 Mail Service Center | Raleigh, North Carolina 27699-1601  
919-707-8600

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-3421A	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
34542.1.FR4	HPPF-0220(75)	P.E.	
34542.2.4	HPPF-0220(30)	R/W,UTIL	
34542.3.FS4	HPPF-0220(30)	P.E.	

PERMIT DRAWING  
SHEET 1 OF 6

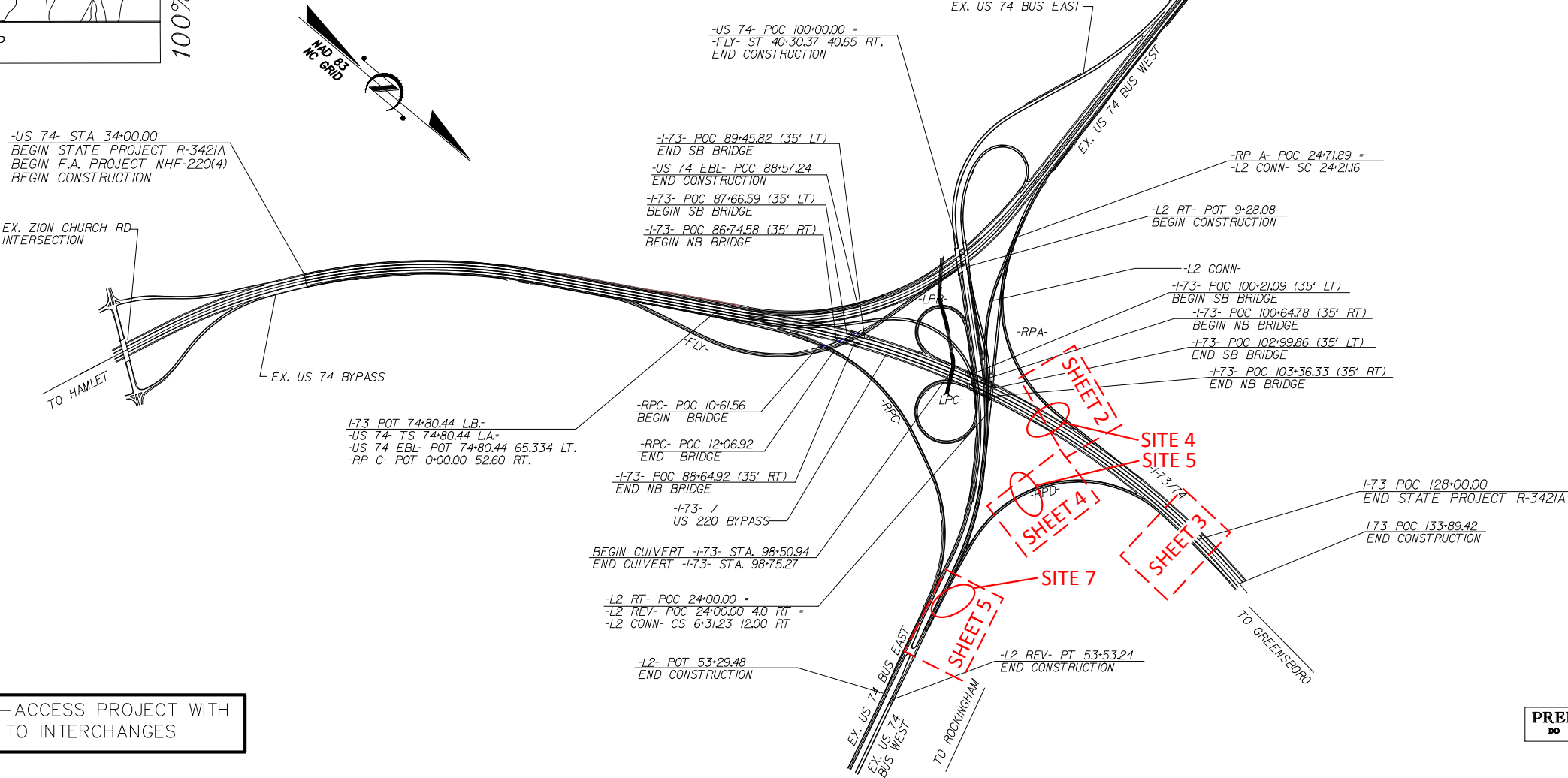
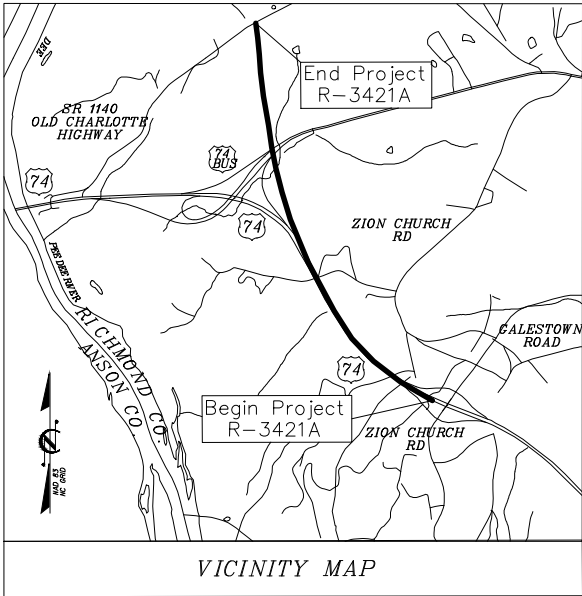
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

RICHMOND COUNTY

LOCATION: I-73/74 FROM US 74 BYPASS WEST OF ROCKINGHAM AT SR 1109 (ZION CHURCH RD.) INTERCHANGE TO 0.3 MILES SOUTH OF SR 1140 (OLD CHARLOTTE HWY.)

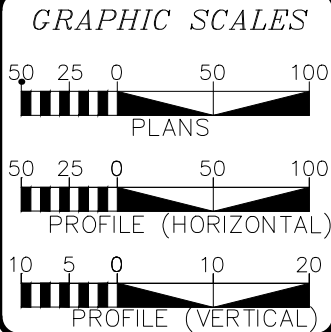
TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNING, STRUCTURES, CULVERT,& RETAINING WALLS

UTILITY IMPACT PERMIT DRAWING



THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES

PRELIMINARY PLANS  
DO NOT USE FOR CONSTRUCTION



DESIGN DATA  
ADT (2016) = 9,330-12,800  
ADT (2036) = 19,900-23,800  
DHV = 10%  
D = 60%  
T = 26% \*  
V = 70 mph  
\* (TTST 10% +DUAL 17%)

PROJECT LENGTH  
LENGTH ROADWAY TIP PROJECT R-3421A = 1.788 miles  
LENGTH STRUCTURES TIP PROJECT R-3421A = 0.091 miles  
TOTAL LENGTH OF TIP PROJECT R-3421A = 1.879 miles  
(SB LANES WERE USED FOR LENGTH OF PROJECT)

Prepared in the Office of:  
**KLEINFELDER**  
3200 GATEWAY CENTRE BLVD., ST. 200  
MORRISVILLE, NC 27560  
(919) 653-7099  
FOR THE NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
JUNE 20, 2008

LETTING DATE:  
MARCH 15, 2016

NCDOT CONTACT: PROJECT ENGINEER - ENGR. COORD.

PROJECT ENGINEER  
KLEINFELDER

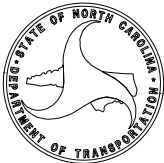
PROJECT DESIGN ENGINEER  
KLEINFELDER

HYDRAULICS ENGINEER

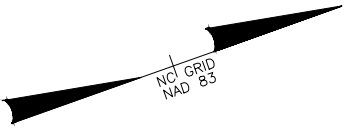
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ROADWAY DESIGN  
ENGINEER

SIGNATURE: \_\_\_\_\_ P.E.



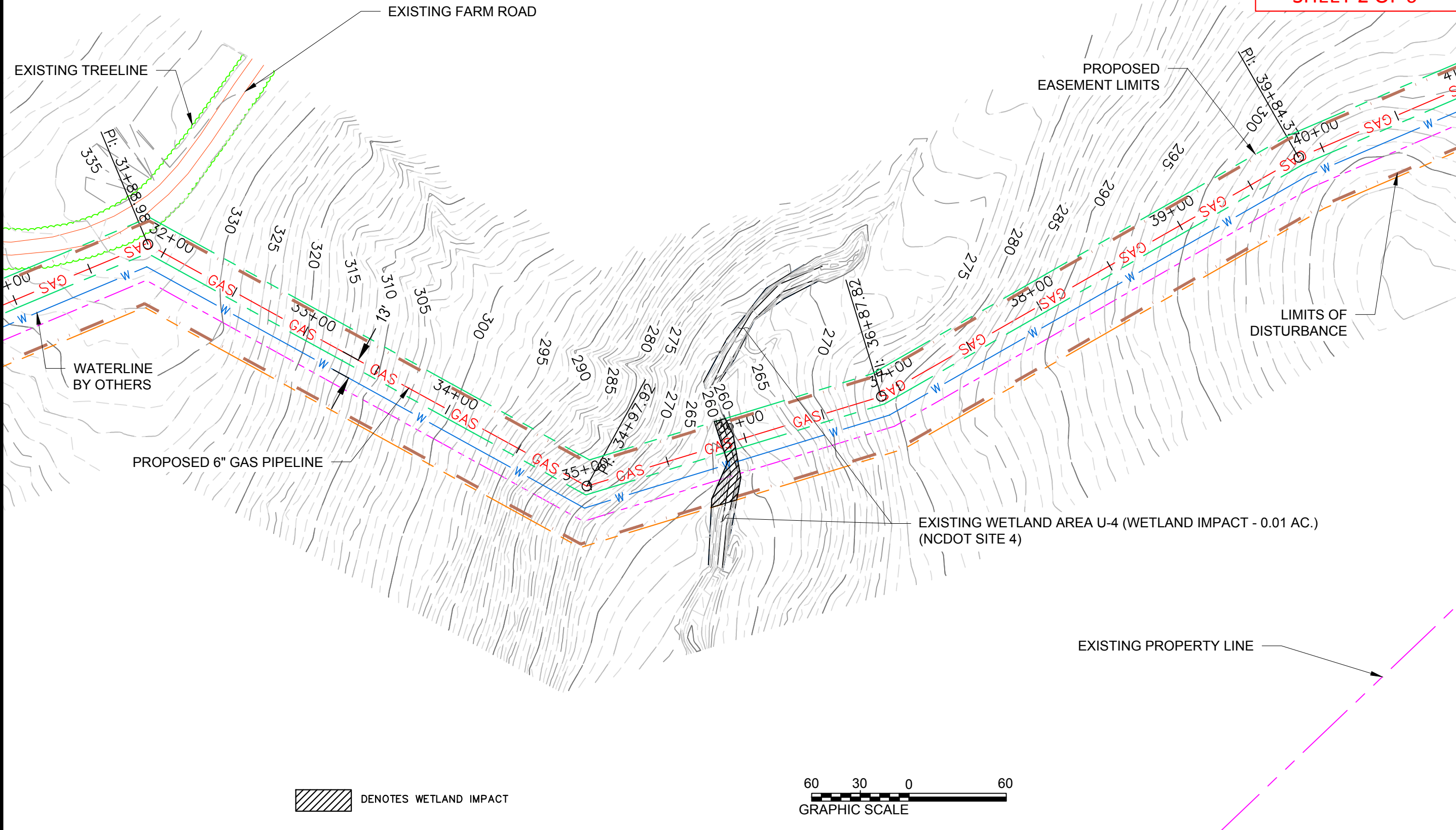
PIN: 744400545097  
JOHN G. AND IRENE H. BLACKMON  
FAMILY LIMITED PARTNERSHIP NUMBER ONE  
DB 1559 PG 113



PROJECT REFERENCE NO.	SHEET NO.
R-3421A	2
R/W SHEET NO. ---	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR ROW ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

PERMIT DRAWING  
SHEET 2 OF 6

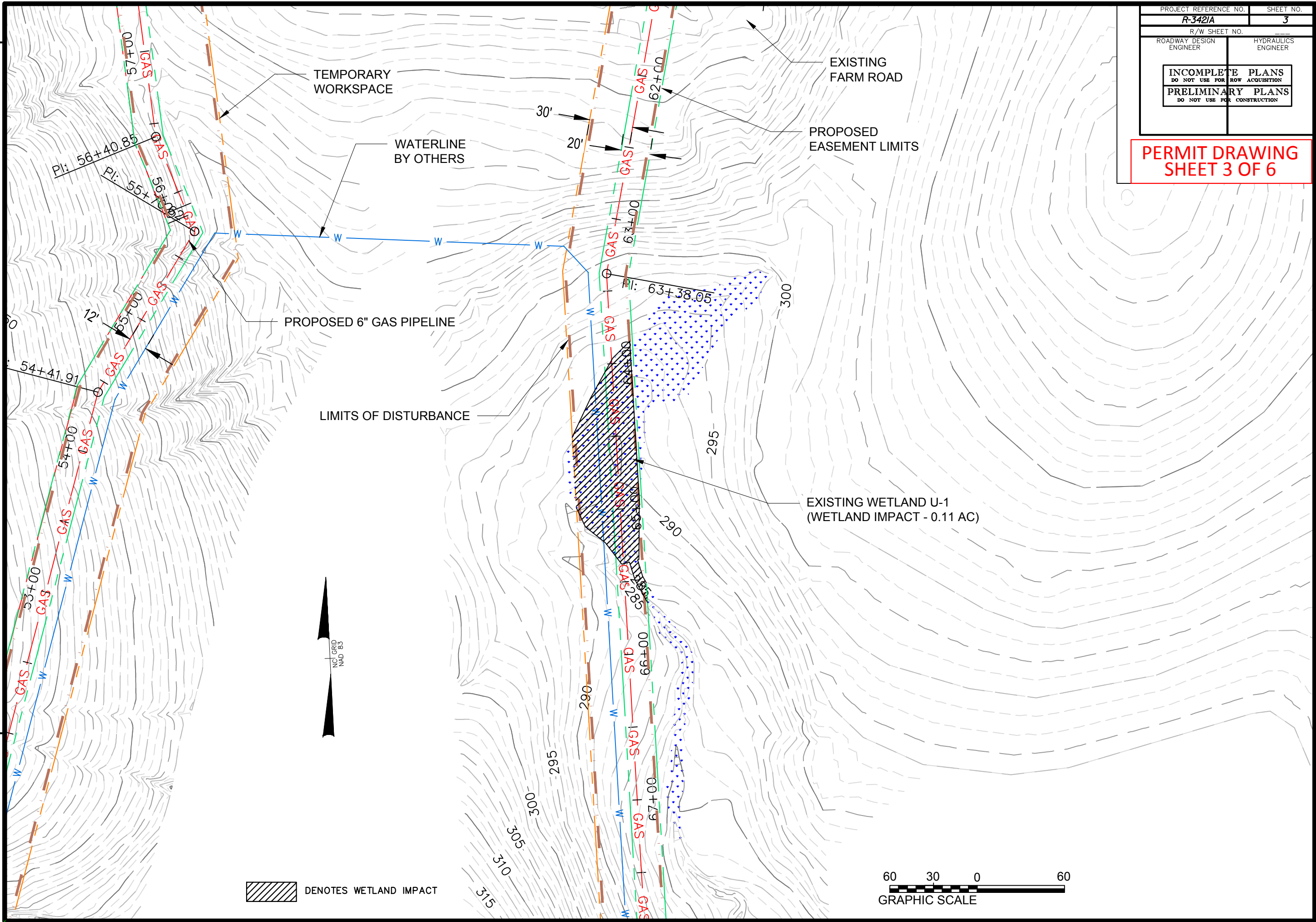
REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
R-3421A	3
R/W SHEET NO. ---	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR ROW ACQUISITION	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION

PERMIT DRAWING  
 SHEET 3 OF 6

REVISIONS

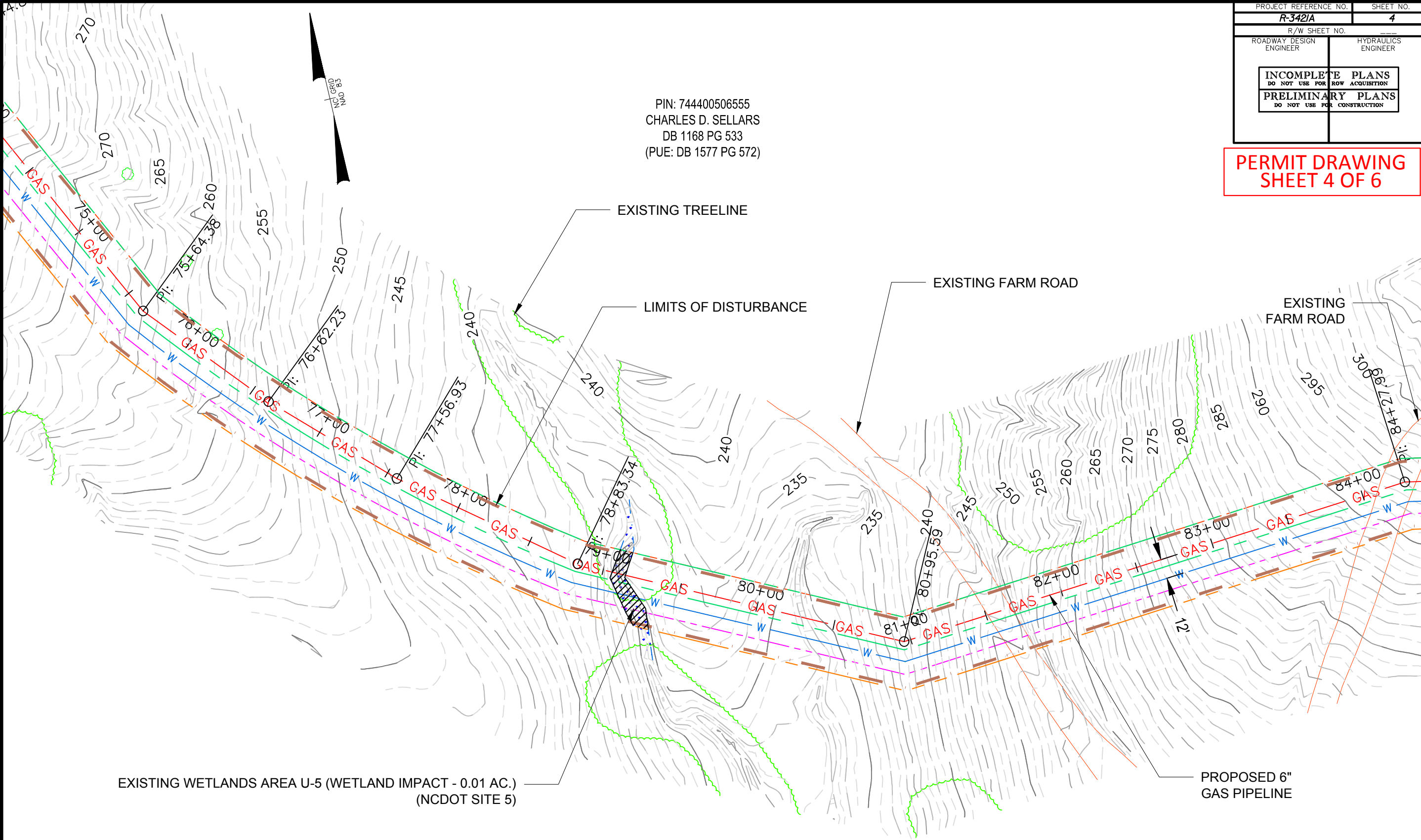


PROJECT REFERENCE NO.	SHEET NO.
R-3421A	4
R/W SHEET NO. ---	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR ROW ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

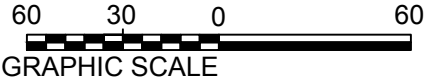
PERMIT DRAWING  
SHEET 4 OF 6

PIN: 744400506555  
CHARLES D. SELLARS  
DB 1168 PG 533  
(PUE: DB 1577 PG 572)

REVISIONS



 DENOTES WETLAND IMPACT



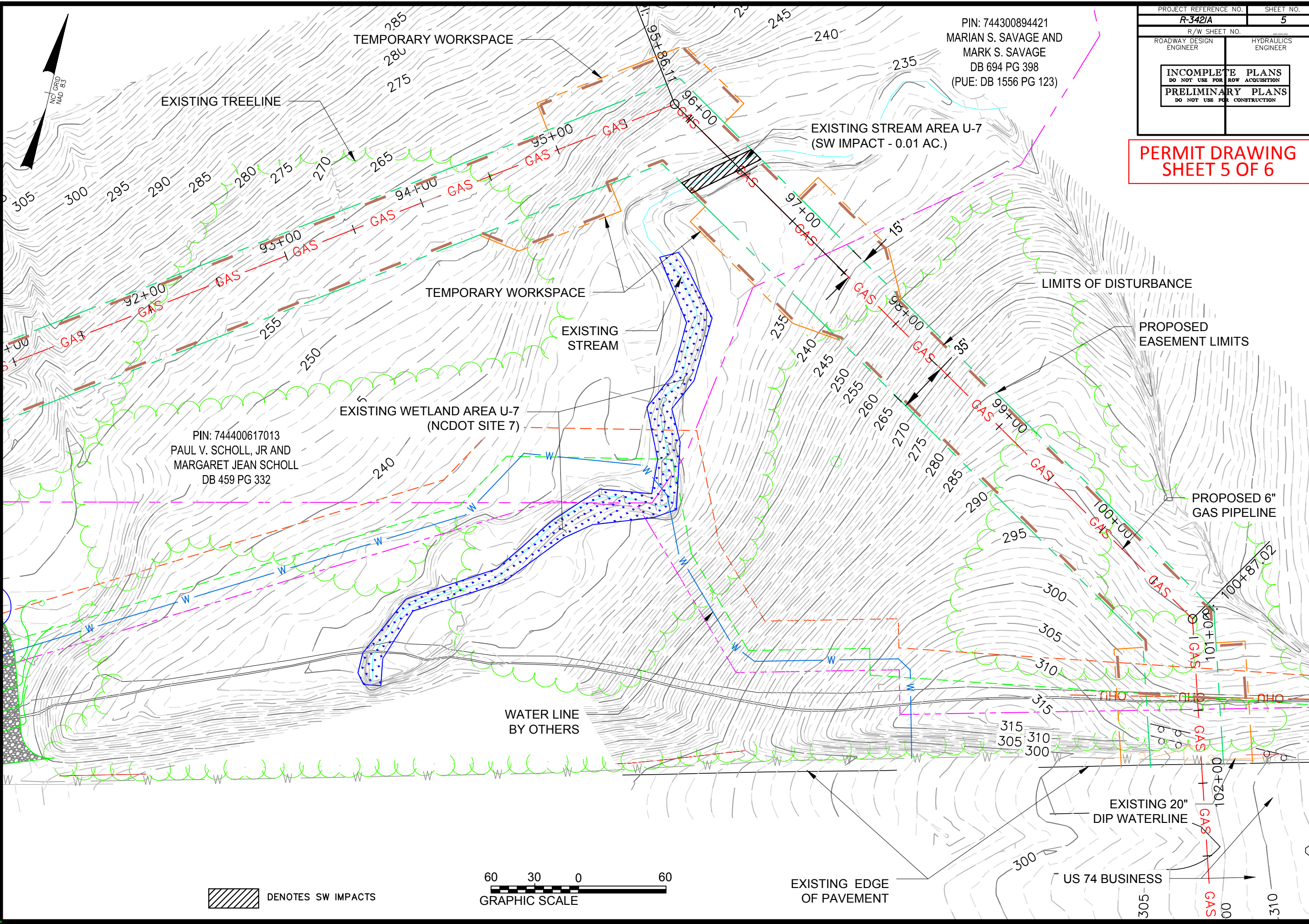
PROJECT REFERENCE NO.	SHEET NO.
R-3421A	5
R/W SHEET NO.	---
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR ROW ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

PERMIT DRAWING  
SHEET 5 OF 6

PIN: 744300894421  
MARIAN S. SAVAGE AND  
MARK S. SAVAGE  
DB 694 PG 398  
(PUE: DB 1556 PG 123)

PIN: 744400617013  
PAUL V. SCHOLL, JR AND  
MARGARET JEAN SCHOLL  
DB 459 PG 332

REVISIONS



/// DENOTES SW IMPACTS



EXISTING EDGE  
OF PAVEMENT

EXISTING 20"  
DIP WATERLINE

US 74 BUSINESS

REVISIONS

PROJECT REFERENCE NO.		SHEET NO.	
R-3421A		6	
R/W SHEET NO. ---			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR ROW ACQUISITION		PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

PERMIT DRAWING  
SHEET 6 OF 6

WETLAND PERMIT IMPACT SUMMARY

		WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	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)
U-1	66+62 / 64+03				0.11						
U-4	35+85 / 35+93				0.01						
U-5	79+05 / 79+14				0.01						
U-7	96+40 / 96+50							0.01		10	