



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

January 23, 2009

Mr. Bill Biddlecome
U.S. Army Corps of Engineers
Regulatory Field Office
Post Office Box 1000
Washington, NC 27889-1000

Mr. Jim Hoadley
Division of Coastal Management
N. C. Dept. of Env. & Natural Resources
1367 U. S. Highway 17
Elizabeth City, NC 27909

Dear Sirs,

Subject: Nationwide 23 and 33 Permit Modification, and Revised CAMA Major Development Permit Application for the replacement of Bridge #14 over the Cashie River on US 17 in Bertie County, in Windsor. State Project No. 8.1010801. Federal Aid Project Number BRNHS-17(35). WBS 33700.1.1. TIP No. B-4434.

References: NW 23, 33, and CAMA Major Development Permit Application dated November 25, 2008
USACE Action ID SAW-2003-10021 issued December 18, 2008

The North Carolina Department of Transportation (NCDOT), Division of Highways, in consultation with the Federal Highway Administration (FHWA), proposes to replace Bridge No. 14 in Bertie County, in Windsor. It has been determined that the temporary work bridges are not required to construct this bridge. Therefore, new drawings are included showing the changes and replaces those provided in our permit application dated November 25, 2008.

Regulatory Approvals

CAMA: NCDOT requests that the proposed work be authorized under a Coastal Area Management Act Major Development Permit. Authorization to debit the \$400 Permit Application Fee from WBS Element 33700.1.1 was provided with the original application.

Section 404 Permit: The NCDOT requests that the previously issued Nationwide Permits 23 and 33 be modified if necessary to reflect this change.


Section 401 Permit: We anticipate 401 General Certification numbers 3701 and 3688 will apply to this project. All general conditions of the Water Quality Certification will be

met. Therefore, NCDOT is not requesting written concurrence. NCDOT is providing two copies of this application to the NCDWQ, for their review.

A copy of this revised permit application will be posted on the NCDOT website at:
<http://www.ncdot.org/doh/preconstruct/pe/neu/permit.html>

If you have any questions or need additional information, please call Mr. Chris Manley, at 919-715-1487.

Sincerely,


for

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

cc List:

W/attachment

Mr. Brian Wrenn, NCDWQ (2 Copies)
Ms. Cathy Brittingham, NCDCM

W/o attachment (see website for attachments)

Mr. Scott McLendon, USACE, Wilmington
Mr. Travis Wilson, NCWRC
Mr. Gary Jordan, USFWS
Mr. Ron Sechler, NMFS
Ms. Anne Deaton, NCDMF
Dr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. Victor Barbour, P.E., Project Services Unit
Mr. Anthony Roper, P.E., Division 1 Engineer
Mr. Clay Willis, Division 1 Environmental Officer
Mr. Jay Bennett, P.E., Roadway Design
Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Ms. Beth Harmon, EEP
Mr. Todd Jones, NCDOT External Audit Branch
Ms. Stacy Oberhausen, P.E., PDEA Project Planning Engineer

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	15+94 +/- LT TO 16+86 +/- LT		0.030					0.02									
2	19+36 +/- LT TO 24+32 +/- LT		0.135					0.05									
3	22+90 +/- RT TO 24+49 +/- RT		0.054					0.02									
TOTALS:			0.22					0.09									

BRIDGE PIER IMPACTS

PROPOSED PERMANENT BRIDGE = 112 SQ. FT.

EROSION CONTROL IMPACTS

0.05 acres of Temporary Fill in Wetlands in the Hand Clearing areas for erosion control measures.

*Permit Drawing
Sheet 4 of 13*

REV JAN 2009
 NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BERTIE COUNTY
 WBS - 33700.1.1 (B-4434)
 US 17/ NC 308 BRIDGE #14 OVER CASHIE RIVER
 MAY 2008
 SHEET 12 OF 13

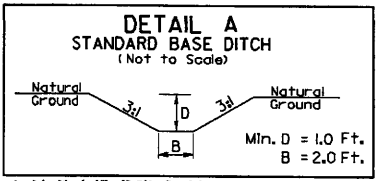
8/17/09

WETLANDS

-L-
 PI Sta 24+08.89
 $\Delta = 30' 08" 20J (LT)$
 $D = 6' 0" 52J$
 $L = 499.72$
 $T = 255.79$
 $R = 950.00$
 $SE = 0.05$
 $Vd = 40 \text{ mph}$

TGS ENGINEERS 975 W. HARRIS STREET CARY, NC 27511 PH (919) 319-8850	PROJECT REFERENCE NO. B-4434	SHEET NO. 5
	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION		
REV JAN 2009		

Permit Drawing
Sheet 6 of 13

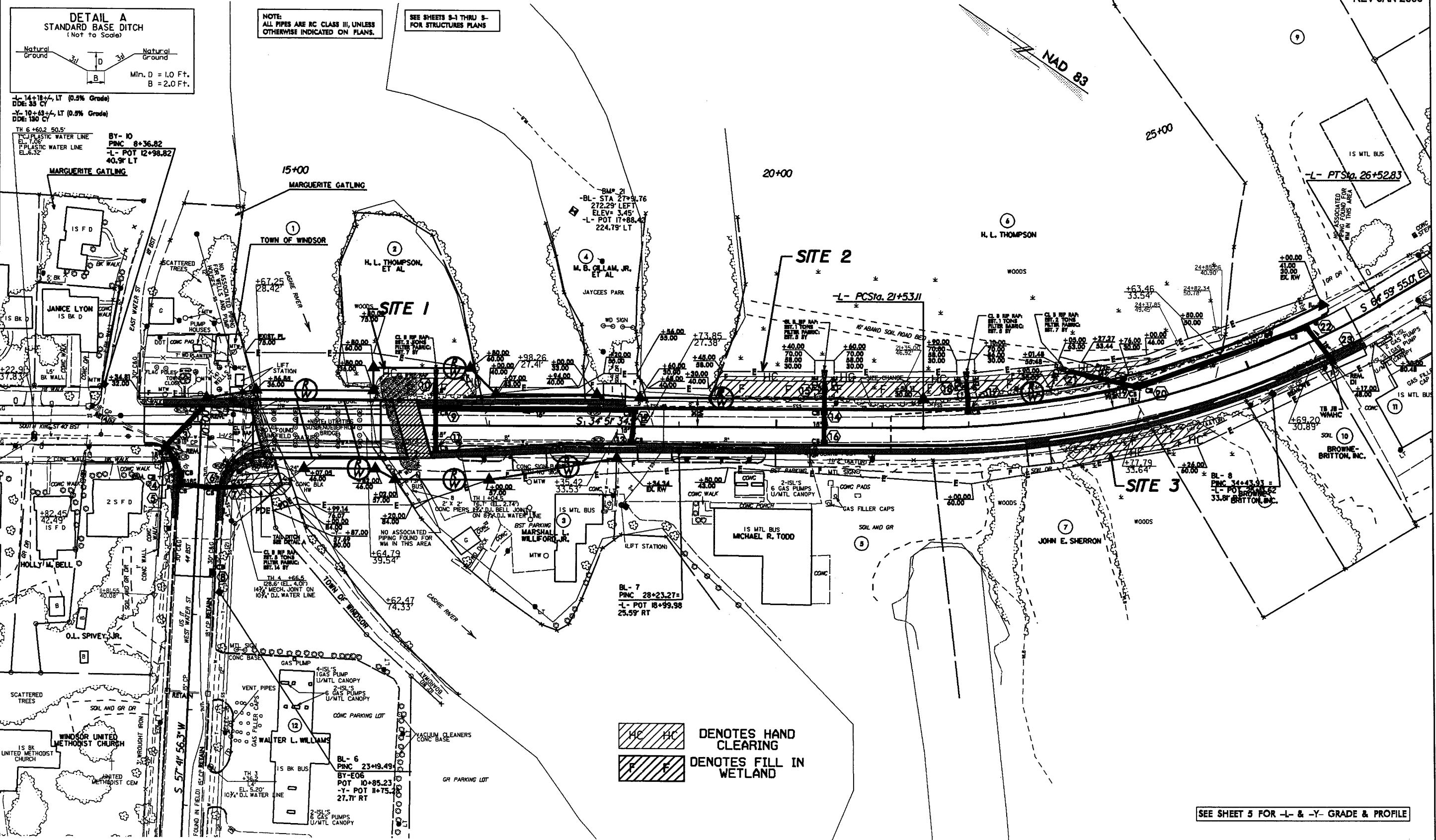


NOTE:
ALL PIPES ARE RC CLASS III, UNLESS OTHERWISE INDICATED ON PLANS.

SEE SHEETS 8-1 THRU 8- FOR STRUCTURES PLANS

REVISIONS
DATE: - ADDED PDE TO PARCELS 3 & 5 AND ELIMINATED PDE AND TCE WITHIN PLE - WC PARKER I/E

2-JAN-2009 07:59
 2-INDICATED IN ENVIRONMENTAL DRAWINGS (6-3-08) rev b4434_shts4-5.dgn



DENOTES HAND CLEARING

DENOTES FILL IN WETLAND

SEE SHEET 5 FOR -L- & -Y- GRADE & PROFILE

8/17/99

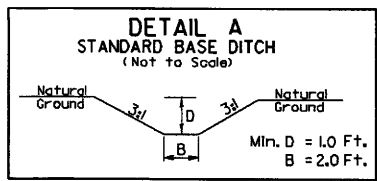
TGS
TGS ENGINEERS
975 W. MARKET STREET
CARY, NC 27511
PH (919) 319-8850

PROJECT REFERENCE NO. B-4434	SHEET NO. 3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
REV JAN 2009	

-L-
PI Sta 24+08.89
 $\Delta = 30' 08" 20J (LT)$
D = 6' 0" 52J
L = 499.72'
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R = 950.00'
SE = 0.05
Vd = 40 mph

Permit Drawing
Sheet 7 of 13

WETLANDS



NOTE: ALL PIPES ARE RC CLASS III, UNLESS OTHERWISE INDICATED ON PLANS.

SEE SHEETS 5-1 THRU 5- FOR STRUCTURES PLANS

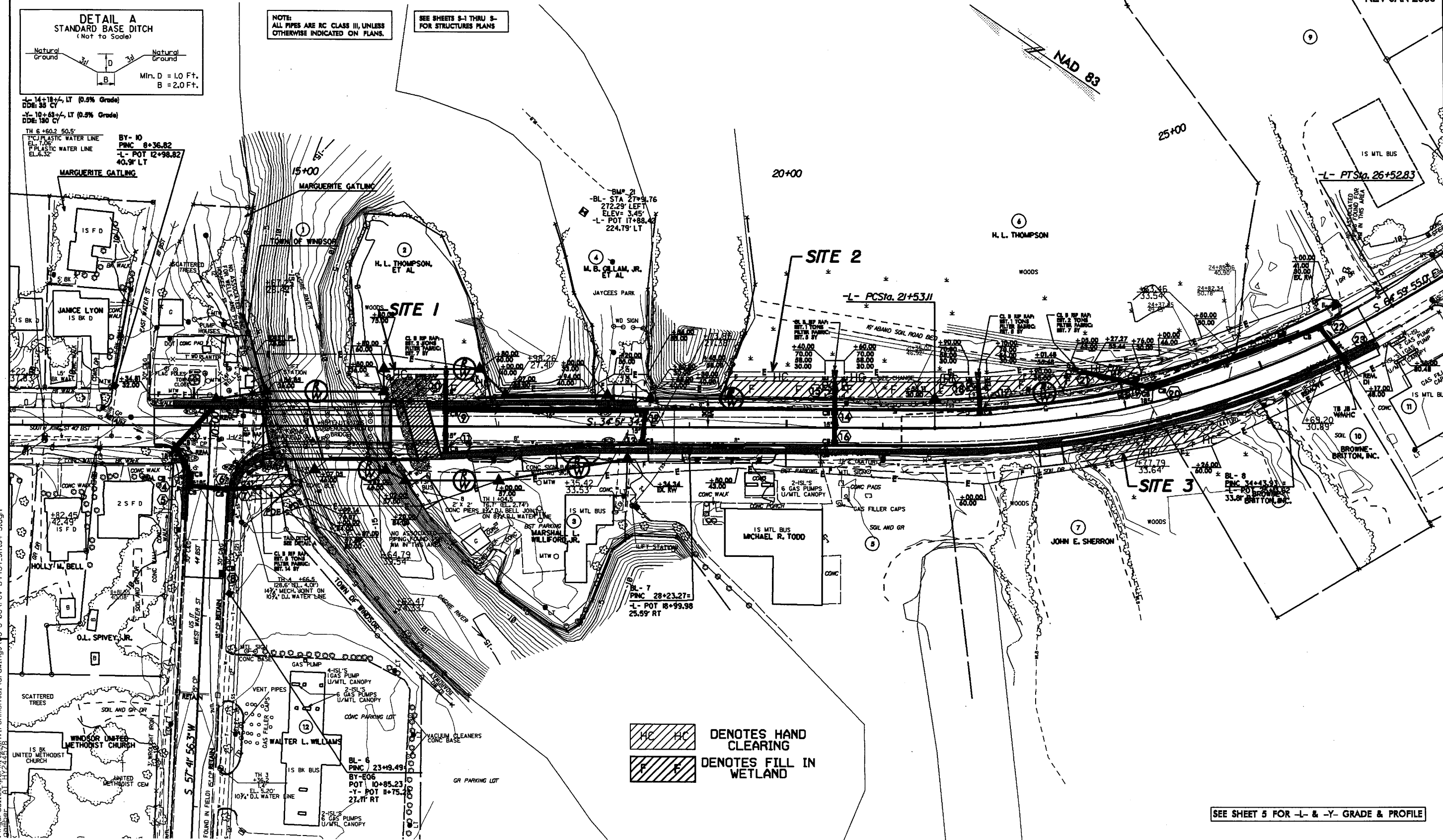
-L- 14+18.74 LT (0.5% Grade)
DDE: 35.00'

-Y- 10+63.74 LT (0.5% Grade)
DDE: 190.00'

TH 6 +60.2 50.5'
PVC PLASTIC WATER LINE BY- 10
EL. 7.86 PNC 8+36.82
PVC PLASTIC WATER LINE -L- POT 12+98.82
EL. 6.32 40.9' LT

REVISIONS
DATE: - ADDED PDE TO PARCELS 3 & 6 AND ELIMINATED PDE AND TOE WITHIN FILE - WC PARKER, PE

2-JAN-2009 11:25
\\hjd\public\proj\2122\environmental\drawings\8-3-08\rev_b4434_shts4-5.dgn



HC HC DENOTES HAND CLEARING

F F DENOTES FILL IN WETLAND

SEE SHEET 5 FOR -L- & -Y- GRADE & PROFILE