

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL AND SEWAGE SITE LOCATION PERMIT
NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED
UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION HAS BEEN ISSUED
PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/ OR IF SITE IS ALTERED OR INTENDED USE CHANGED

PERMIT#: D050768 STATUS: A APP. DATE: 03/14/2014 BLDG. PERMIT#: 0142434
PIN: 2706 88-0000 000 2406 TAX MAP: RECORDED: Y ORIG. PERMIT#: 2406
TOWNSHIP: 09 LITTLE RIVER JURISDICTION: WC ZONING: R30 SW DEVICE: N S#:
APPLICANT: WYNN CONSTRUCTION (919) 528 - 1374
2500 CAPITOL DR CREEDMOOR, NC 27522
USE: HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE:
LTAR: 0.30 0.30 BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0
SITE: ADDRESS: 2924 FAIRDALE PLANTATION GLEN
SUBDIVISION: WOODS PLANTATION LOT: 29 ACRES: 0.68 EASEMENT: N LOC: SYS:
DIRECTION: 64E L DEBNAM L SHEPHERDS SCHOOL L WOODS PLANTATION

Well System: WATER: INDIVIDUAL - TYPE: NEW

WELL LOG INFORMATION: DEPTH: 140 CASING DEPTH: 140 YIELD: 15 STATIC LEVEL: 20
WELL CONTRACTOR: Southland REG.# PUMP CONTRACTOR: Tanks REG.#
Construction Compliance GROUT APPROVED ☒ DATE 5-24-15 EHS GWS
WELLHEAD APPROVED ☒ DATE 5-24-15 EHS GWS
SYSTEM FINALIZED ☐ DATE EHS

COMMENTS: CASE WELL TO 35 FEET.

Operation Permit

DESIGN FLOW: 28.44 gal./min. ACTUAL FLOW: 26.16 DOSE VOLUME: 195 gal. INNOVATIVE LETTER:

INSTALLED BY: Philip Blakely TANKS-REH
PROPRIETARY SYSTEM: e2203hg INSTALLATION APPROVED BY: L. L. L. - C.H. 4/30/15
TYPE SYSTEM: III B PF-REH

COMMENTS:

OPERATIONS PERMIT ISSUED?

OP DATE:

BY:

Systems defined as either a Type IIIb, IIIg with a pump, IV, V or VI, in accordance with the North Carolina Administrative Code 15A NCAC 18A .1961, Table V as adopted by reference in the "Regulations Governing Wastewater Treatment and Dispersal Systems in Wake County", require Wake County Environmental Services to conduct periodic inspections on this type system, pursuant to 15A NCAC 18A .1961 (j). Fees for these inspections will be charged as per the approved Fee Schedule. In addition, all systems are to be operated and maintained as specified in 15A NCAC 18A .1961. This permit is based in part on information provided by the homeowner or his/her representative in the application submitted for this permit. The Environmental Health Specialist is not responsible for false or misleading information contained in the application. The Environmental Health Specialist is also not responsible for concealed conditions on the property or for statements in this report that may have resulted from false or misleading statements provided to him in the application. Neither Wake County nor the Environmental Health Specialist warrants that the septic tank system will continue to function satisfactorily in the future or that the water supply will remain potable.

As Built Information:

Date: 4/2/14 Benchmark: tank Rod reading: 3'5"
ST: M1151200 gals ID#: STB-857 D.O.M.: 11-24-14 Elev.: 3'5" Distance to Structure: 20'
PT: M1151200 gals ID#: PT-170 D.O.M.: 10-21-14 Elev.: 3'8" Distance to Well: 70'
GT: gals ID#: D.O.M.: Elev.: Distance to P/L: 15'
D-box/FD/PM elev.: 2'9" Supply Line: 2130 ft. Pump/Ctrl Panel: 2000L N152 / R1403V Filter: (rd poly) 100
Line 1: 5'3" 5'3" 5'3% Date: 4-6-15 Line 6: Date:
Line 2: 5'7" 5'7" Date: Date:
Line 3: 6'1" 6'1" 6'1% Date: Date:
Line 4: 6'4" 6'4" Date: Date:
Line 5: Date: Date:
Line 6: Date: Date:
Line 7: Date: Date:
Line 8: Date: Date:
Line 9: Date: Date:
Line 10: Date: Date:
ETM1: 000005 CCI: 000001 ETM2: CC2: OR: AC: WM:
Notes: actual flow 92% of design flow 26.16 gpm.

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PERMIT#: D050768 STATUS: A APP. DATE: 03/14/2014 BLDG. PERMIT#: 0142434
PIN: 2706 88 3376 000 TAX MAP: RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 09 LITTLE RIVER JURISDICTION: WC ZONING: R30 SW DEVICE: N S#:
APPLICANT: WYNN CONSTRUCTION (919) 528 - 1374
2500 CAPITOL DR CREEDMOOR, NC 27522
HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE: DESIGN FEE REQ?: PAID?:
LTAR: 0.30 0.30 BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0 FOUNDATION DRAIN: Y
SITE: ADDRESS: 2924 RAIDA-DR Plantation Glen
SUBDIVISION: WOODS PLANTATIO LOT: 29 ACRES: 0.68 EASEMENT: N LOC: SYS:
DIRECTION: 64E L DEBNAM L SHEPHERDS SCHOOL L WOODS PLANTATION

IMPROVEMENT PERMIT

As per GS 130A-335 (f), Improvement Permit is based on a Site Plan and is void Sixty (60) months from date of issuance: ☐
As per GS 130A-335 (f), Improvement Permit is based on a Plat and is valid without expiration: ☒
Permit is subject to revocation if the site plan or plat, whichever is applicable, or the intended use changes.

TANK SIZE: 1200 gal. PUMP Tank: 1200 gal. GREASE TRAP: gal. SQ FT: 1200 ACCEPTED STATUS MAX DEPTH LINE: 18 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III B PUMP: N P/M: N LP: TD:
DAILY FLOW: 480 gal/day WATER: INDIVIDUAL PRETREATMENT: NA FILL: DAF: DEEP: REDUCE35%:
COMMENTS:

IP ISSUED? Y DATE: 06/30/2014 BY: (ELC) *Ernest L. Coates* PHONE#: (919)-856-5380

AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION
VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

AUTHORIZATION CONDITIONS:

Contractors shall install system on contours, see attached site plan for wastewater system design and well location. No underground utilities, water lines or sprinkler systems may be located in the original system or repair areas. A septic tank filter with a riser for access is required. The wastewater system shall not be covered or placed into use until inspected by the Wake County Department of Environmental Services and an Operation Permit issued. An Accepted Status System may be used in place of conventional system, if it can be placed in the permitted/authorized trench footprint (except reduction in line length and/or number as allowed for in approval) and the installation is in accordance with the accepted system approval, without unauthorized product alteration. If permit required use of an Accepted Status System, substitution with another accepted status system may be made, as long as no changes are necessary in the location of each nitrification line (including any increase in line length), trench depth or effluent distribution method. If changes are necessary, prior approval by this office is required before system installation.

OTHER CONDITIONS: INSTALL ON CONTOUR ACCORDING TO SITEPLAN AND FLAGS. CALL CONSULTANT FOR REFLAG GING IF NEEDED. PANEL MUST HAVE SEPARATE CIRCUITS FOR PUMP AND ALARM WITH SEPARATE BREAKERS, CYCLE COUNTER AND ELAPSED TIME METER. FOUR ACCEPTED STATUS PRODUCT LINES 3' X 100'. MAX DEPTH 18".

TANK SIZE: 1200 gal. PUMP TANK: 1200 gal. GREASE TRAP: gal. SQ FT: 1200 ACCEPTED STATUS MAX DEPTH LINE: 18 in.
MAINT: N OPER: N L/O: P TRENCH#: 4 LENGTH: 100 ft. WIDTH: 36 in. DESIGNER:
SUBFIELDS: __ DESIGN HEAD PRESSURE: 2 DESIGN FLOW: 28.44 gal/min DOSE VOLUME: 195 gal. PRETREATMENT: NA

CA ISSUED? Y DATE: 06/30/2014 BY: (ELC) *Ernest L. Coates* PHONE#: (919)-856-5380

As Built

**-NOT FOR RECORDATION, CONVEYANCES,
OR SALES.**

C.A. 12-2-11

PRELIMINARY PLOT PLAN FOR

WYNN CONSTRUCTION

LOT 29, WOODS PLANTATION SUBDIVISION

2924 PLANTATION GLEN DRIVE

REF: B.M. 2007, PAGE 637

LITTLE RIVER TOWNSHIP

WAKE COUNTY, NORTH CAROLINA

FEBRUARY 12, 2014

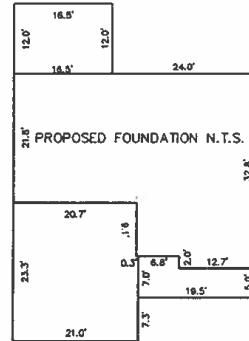
REVISED FEBRUARY 24, 2014

REVISED MARCH 13, 2014

ZONED R-30

50 25 0 50 100

SCALE 1"=50'

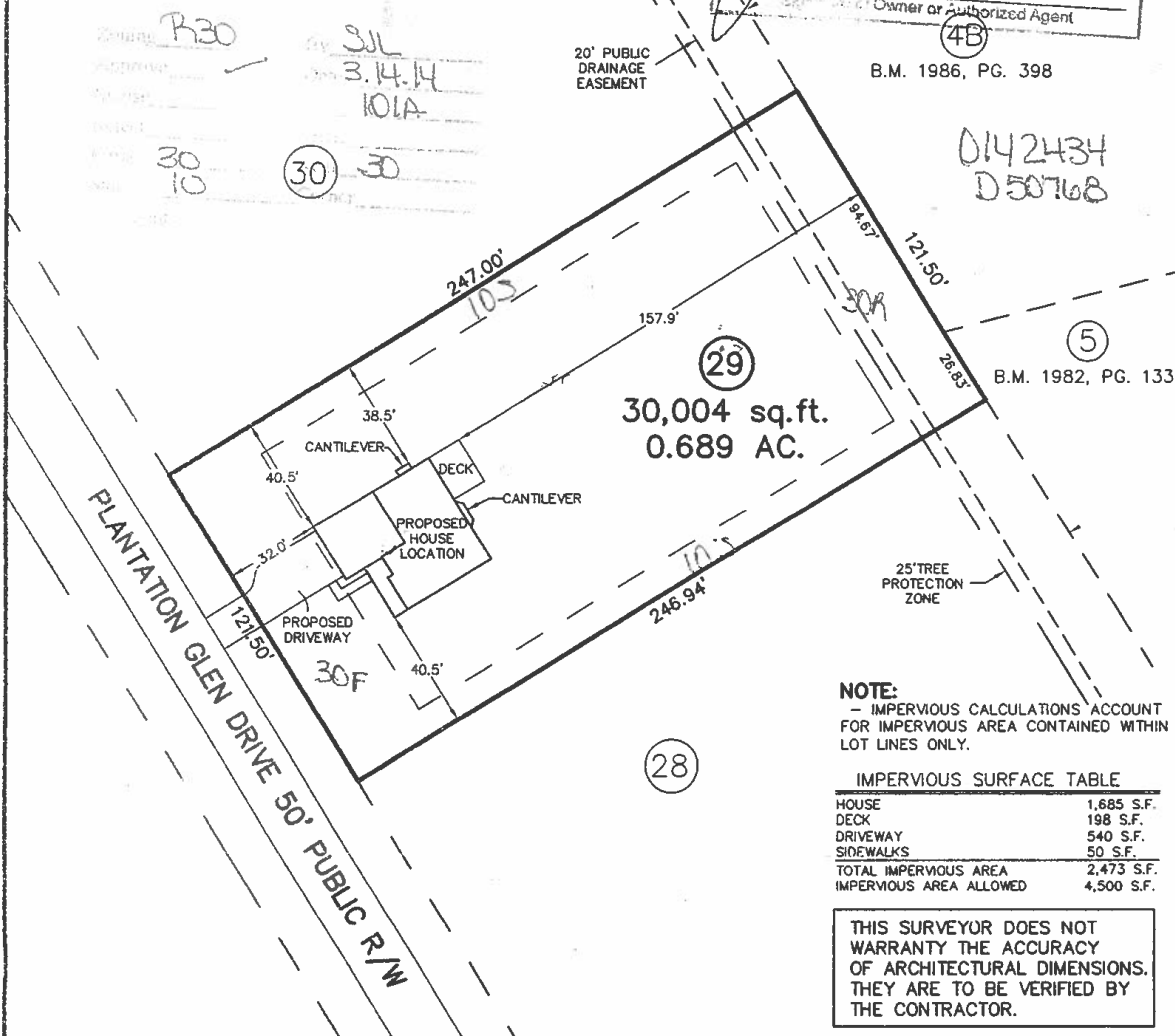


Pin: 2506883376
I certify that the location of planned or existing structure(s) are accurately shown. I understand failure to locate structures in accordance with this plot plan may require the relocation of structure(s) regardless of degree of completion. I hereby grant permission to Municipal Authority Representatives the right of entry to make measurements or inspections upon this property.
[Signature]
Owner or Authorized Agent

B.M. 1986, PG. 398

0142434
D50768

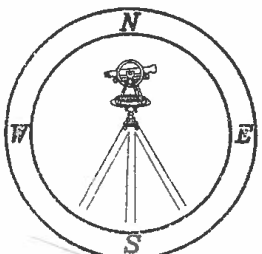
B.M. 1982, PG. 133



NOTE:
- IMPERVIOUS CALCULATIONS ACCOUNT FOR IMPERVIOUS AREA CONTAINED WITHIN LOT LINES ONLY.

IMPERVIOUS SURFACE TABLE	
HOUSE	1,685 S.F.
DECK	198 S.F.
DRIVEWAY	540 S.F.
SIDEWALKS	50 S.F.
TOTAL IMPERVIOUS AREA	2,473 S.F.
IMPERVIOUS AREA ALLOWED	4,500 S.F.

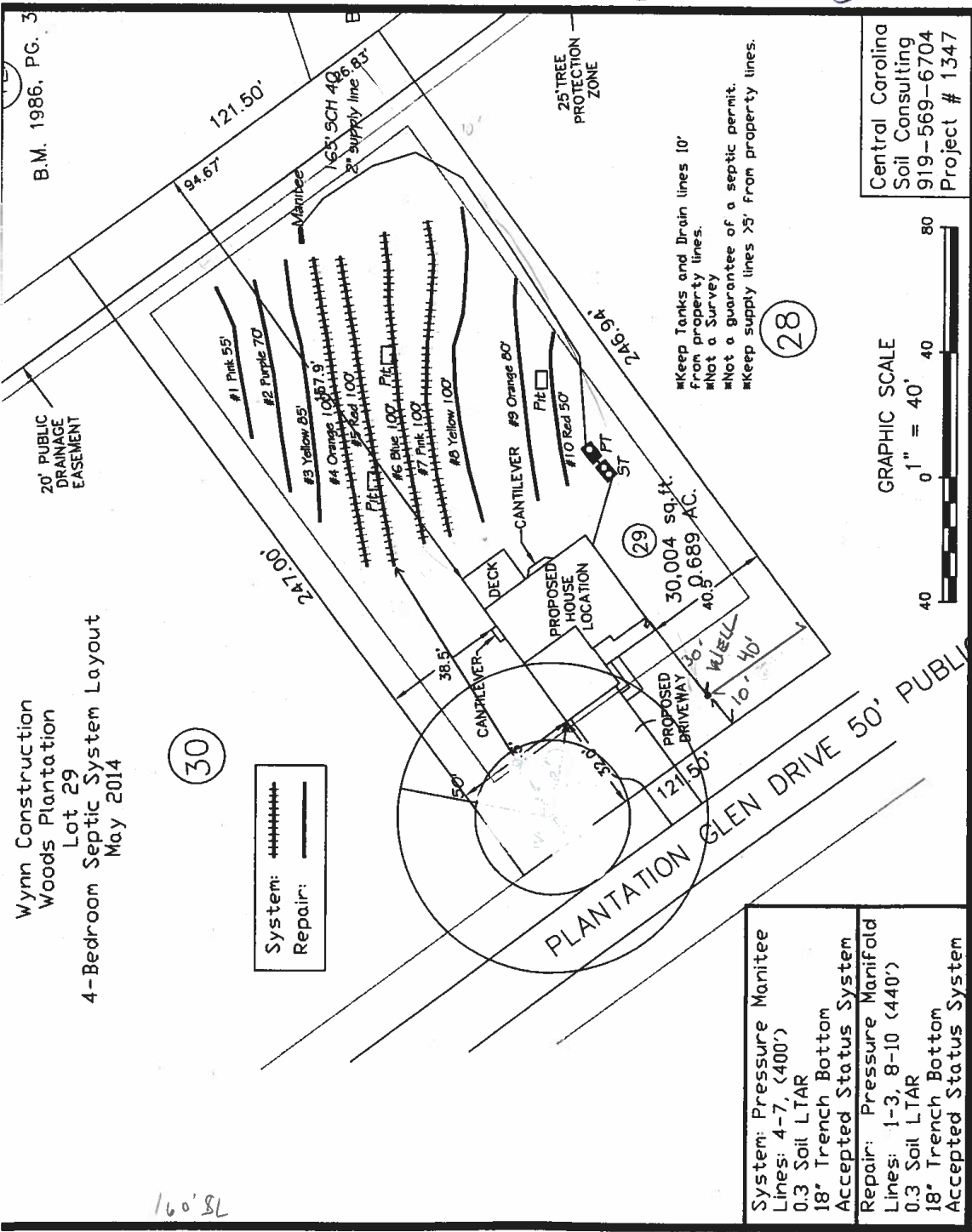
THIS SURVEYOR DOES NOT WARRANTY THE ACCURACY OF ARCHITECTURAL DIMENSIONS. THEY ARE TO BE VERIFIED BY THE CONTRACTOR.



CAWTHORNE, MOSS & PANCIERA, P.C.
Professional Land Surveyors
C-1525

333 S. White Street
Post Office Box 1253
Wake Forest, N.C. 27588
(919)556-3148

NOTES:
-THIS PLAN DOES NOT REFLECT AN ACTUAL SURVEY. IT IS A PRELIMINARY PLAN AND SHOULD BE USED FOR ITS INTENDED PURPOSE ONLY.
-NOT FOR RECORDATION, CONVEYANCES, OR SALES.



CA Part C

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES 4 TAP PRESSURE MANI-TEE DESIGN

Name: Wynn Construction P.I.N. #: 2706 88 3376 D#: 50768
 Address: 2924 Raida Dr Subdiv: Woods Plantation Lot#: 29
 # of BDR: 4 Daily Flow: 480 gal/day L.T.A.R.: 0.30 gal/day/sq.ft
 Septic Tank: 1200 gals Pump Tank: 1200 gals Sq. Foot: 1200 Stone Depth: 12
 Number of Taps: 4 Length of Trenches: 100 ft(See Tap Chart for Details)
 Depth of Trenches: 18 in Manifold Length: 42 in
 Manifold Diameter: 2in sch 40pvc Mani-Tee Tap Configuration: 6 in spacing 1 side(s) of manifold
 Supply Line: length: 160 ft Diameter: 2 in sch 40pvc
 Friction Loss + Fitting Loss: 4.35 ft(supply line length + 70' for fittings in pump tank)
 Design Head: 2 ft Elevation Head: 10.10 ft
 Total Head: 16.45 ft Pump to Deliver: 28.44 gals/min at 16.45 ft head
 Dosing Volume: 195 gals,
 Drawdown: 195 gals divided by 20 gals/in = 9.8 inches

Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter is required.

TAP CHART

Bench Mark	9.8	is = 100.00	set at				Design Head:	2	
Pump tank elev.		5.6	104.20	Pump elev.	99.20		Manifold elev.	109.30	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	orange	1.5	108.30	100	1/2in SCH 40	7.11	120.00	300	0.400
2	red	1.8	108.00	100	1/2in SCH 40	7.11	120.00	300	0.400
3	blue	2.3	107.50	100	1/2in SCH 40	7.11	120.00	300	0.400
4	pink	2.7	107.10	100	1/2in SCH 40	7.11	120.00	300	0.400
		total	feet =	400	gal/min =	28.44		LTAR =	0.30
% of Dose Vol.		75		Des. Flow	480			(ltar + 5%)	0.32
Dose Volume		195		Pump Run=	16.88			(ltar W/ INOV)	0.40
Dose Pump Time		6.86		Tank Gal/IN	20			(ltar + 5%)	0.42
Drawdown in Inches		9.8		Elev. Head	10.10				
Supply Line Length		160							
Comments:									

Hydraulic Profile

Manifold Elevation	109.30	160
Pump tank elev.	104.20	2
Pump elev.	99.20	0

**Woods Plantation Lot 29
Repair Tap Chart**

Bench Mark	9.80	is = 100.00		Location of BM		Elevation Head			11.30
Pump tank elev.	5.6	104.20	Pump elev.	99.20	Manifold elev.			110.50	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Pink	0.30	109.50	55	1/2in SCH 80	5.48	62.05	165	0.3761
2	Purple	0.70	109.10	70	1/2in SCH 40	7.11	80.51	210	0.3834
3	Yellow	1.10	108.70	85	1/2in SCH 40	7.11	80.51	255	0.3157
8	Yellow	3.30	106.50	100	3/4in SCH 80	10.1	114.37	300	0.3812
9	Orange	4.30	105.50	80	1/2in SCH 40	7.11	80.51	240	0.3355
10	Red	4.60	105.20	50	1/2in SCH 80	5.48	62.05	150	0.4137
		total	feet =	440	gal/min =	42.39	LTAR =		0.3000
						LTAR + %6		0.3150	
% of Dose Vol.	75	Des. Flow		480	(ltar W/ INOV)		0.4000		
Dose Volume	214.50	Pump Run=		11.32	(ltar W/ INOV + 5%)		0.4200		
Dose Pump Time	5.06	Tank Gal/IN		21					
Drawdown in inches	10.21								

Form GW-1a
Rev. 7/05