

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: D033995

PIN #: 1832029965

OP DATE: 0111012005

SYSTEM USE:

- House
- Mobile Home
- Business
- Other

SEWAGE TYPE:

- Domestic
- Industrial

PUMP/SIPHON?:

- Yes
- No

PRESSURE MANIFOLD:

- Yes
- No

SYSTEM TYPE:

- I
- II
- III
- IV
- V
- VI
- Other

SUB TYPE:

- A
- B
- C
- D
- E
- F
- G

NBR BEDROOMS:

- 1
- 2
- 3
- 4
- 5
- 6
- Other

MAINT. SCHEDULE:

- Yes
- No

CERT. OPERATOR

- Yes
- No

GT	ST	PT	SIZE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	750
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	900
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,000
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1,200
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,500
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,800
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,100
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,500
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4,000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8,000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10,000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None/NA GT or PT

DRAINFIELD SIZE(SQ. FT.)

01455

DRAIN TYPE:

- Stone
- EZ Flow
- Infiltrator
- Biodiffuser
- Cultec
- Drip
- Hancor
- Large Dia. Pipe
- Multi-Pipe
- Other

MAX DEPTH (IN.):

- 12 in. or less
- 18 in. or less
- 24 in. or less
- 26 in. or less
- 28 in. or less
- 30 in. or less
- 32 in. or less
- 36 in. or less
- Other

STONE DEPTH (IN.):

- 8 in. or less
- 12 in. or less
- 18 in. or less
- 24 in. or less
- Other

TRENCHES:

- Individual
- Bed

TRENCH WIDTH (IN.):

- 12 in. or less
- 18 in.
- 24 in.
- 36 in.
- 6 ft. or less
- 9 ft. or less
- Other

CP

Pin # 1832 02 9965

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#: D033995 STATUS: A APP. DATE: 06/03/2006 BLDG. PERMIT#: 0054018
PIN: 1832-03-02-5646-000 TAX MAP: 0182 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 14 NEW LIGHT JURISDICTION: WC ZONING: 40W
APPLICANT: TED KEITH BUILDER INC
3013 MT VERNON CHURCH RD
RALEIGH, NC 27613
(919) 676 - 6487
USE: HD USE: 101 ONE-FAMILY HOUSE
EXIST USE:
DISPOSAL: BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0
SITE: ADDRESS: 1008 BLYKEFORD LN
SUBDIVISION: GALLOWAY LOT: 42 ACRES: 0.92
DIRECTION: US1N TO NC 98W R CAMP KANATA SUB ON R

Well System: WATER: COMMUNITY - TYPE: EXISTING

WELL LOG INFORMATION: DEPTH: CASING DEPTH: YIELD: STATIC LEVEL:
WELLI CONTRACTOR: REG.# PUMP CONTRACTOR: REG.#
Construction Compliance GROUT APPROVED DATE EHS
WELLHEAD APPROVED DATE EHS
SYSTEM FINALIZED DATE EHS

COMMENTS:

DESIGN FLOW: 45.29 gal./min. ACTUAL FLOW: 41.9 Operation Permit INNOVATIVE LETTER: R
INSTALLED BY: Brantley INSTALLATION APPROVED BY: Corey Fisher
PROPRIETARY SYSTEM: FILTER NO: Sinter

OPERATIONS PERMIT ISSUED? Y OP DATE: 1-10-05 BY: CWF

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: 1-10-05 Benchmark: ST Rod reading: Distance to Structure:
ST: 1200 gals ID#: STB 34 D.O.M.: 8-26-05 Elev.: 1'7 1/2" Distance to Well:
PT: 1200 gals ID#: PT 463 D.O.M.: 9-20-05 Elev.: 2'
D-box/FD/PM elev.: Manifold Supply Line: ft. Pump/Control Panel: Rhombus
Line 1: 6'2 1/4" Date:
Line 2: 6'2 1/4" Date:
Line 3: 6'9" Date:
Line 4: 7'6" Date:
Line 5: 8'4" Date:
Distance to P/L: Notes:

ES Copy

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL AND SEWAGE SITE LOCATION PERMIT
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UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION HAS BEEN ISSUED

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PERMIT#: D033995 STATUS: A APP. DATE: 06/03/2005 BLDG. PERMIT#: 0054018
PIN: 1932.03-02-5518-000 TAX MAP: 0182 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 14 NEW LIGHT JURISDICTION: WC ZONING: 40W
APPLICANT: TED KEITH BUILDER INC
3013 MT VERNON CHURCH RD
RALEIGH, NC 27613
(919) 676 - 5487
USE: HD USE: 101 ONE-FAMILY HOUSE
EXIST USE:
DISPOSAL: BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0 FOUND DRAIN: N
SITE: ADDRESS: 1008 BLYKEFORD LN
SUBDIVISION: GALLOWAY LOT: 42 ACRES: 0.92
DIRECTION: US1N TO NC 98W R CAMP KANATA SUB ON R

P.1 # 1832 02 9965

IMPROVEMENT PERMIT

TANK SIZE: 1200 gal. PUMP Tank: 1200 gal. SQ FT: 1455 INNOVATIVE MAX DEPTH LINE: 24 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III G PUMP: Y P/M: Y
DAILY FLOW: 480 gal/day DESIGN FEE REQ?: Y PAID?: Y WATER: COMMUNITY

COMMENTS: PLANS FOR PRESSURE MANIFOLD MUST BE APPROVED PRIOR TO ISSUANCE OF C.A

IP ISSUED? Y DATE: 07/19/2005 BY: (SCR) Scott Reams by Brett J. Martin PHONE#: 856-6194

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:

ACCEPTED STATUS SYSTEM REDUCTION HAS BEEN TAKEN FOR THE DESIGN OF INITIAL AND REPAIR SYSTEMS. PLEASE SEE DESIGN PLAN BY S&EC, INC. (APPROVED 07-20-05 BY BSM) FOR INSTALLATION INFORMATION. INITIAL SYSTEM IS A VARIED LENGTH LINE PRESSURE MANIFOLD WITH 24 INCH TRENCH BOTTOMS. WHEN INSTALLING DRAINLINES, PLEASE MAINTAIN ALL REQUIRED SETBACKS. REPAIR SYSTEM IS ALSO A VARIED LENGTH LINE PRESSURE MANIFOLD WITH 24 INCH TRENCH BOTTOMS. WHEN CLEARING AREA FOR INITIAL SYSTEM, DO NOT DISTURB OR REMOVE ANY SOIL FROM EITHER THE INITIAL OR REPAIR AREA. A NEMA4X CONTROL PANEL WITH TWO BREAKERS, TWO POWER SUPPLIES, ELAPSED TIME METER, AND CYCLE COUNTER IS REQUIRED. INSTALL TRENCHES ON CONTOUR AND > OR = 9FT ON CENTER. PER APPLICANT'S LETTER AND CONSULTANT'S DESIGN, NO FOUNDATION DRAIN WILL BE INSTALLED ON THIS HOUSE. IF A FOUNDTION DRAIN IS INSTALLED, PERMIT WILL BE VOID. PLEASE CALL ENVIRONMENTAL SERVICES IF ANY QUESTIONS OR PROBLEMS ARISE.

TANK SIZE: 1200 gal. PUMP TANK: 1200 gal. SQ FT: 1455 INNOVATIVE MAX DEPTH LINE: 24 in.
MAINT: N OPER: N L/O: P TRENCH#: 6 LENGTH: 485 ft. WIDTH: 36 in. DESIGNER: S&EC, INC.
SUBFIELDS: 1 DESIGN HEAD PRESSURE: 2 DESIGN FLOW: 45.29 gal/min, DOSE VOLUME: 252 gal.

CA ISSUED? Y DATE: 07/21/2005 BY: (BSM) Brett J. Martin PHONE#: 856-7463

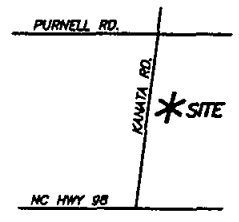
0054018

D033995

FLOOD CERTIFICATION

- () THE PROPERTY IS NOT LOCATED IN A COMMUNITY PARTICIPATING IN THE NATIONAL FLOOD INSURANCE PROGRAM AS OF THIS DATE.
- () THE PROPERTY IS NOT LOCATED IN THE 100 YEAR FLOOD HAZARD AREA.
- () A PORTION OF THIS PROPERTY IS LOCATED WITHIN A 100 YEAR FLOOD FRINGE AREA AS SHOWN BELOW.

VICINITY MAP



NOT TO SCALE

CURVE TABLE

CURVE	DELTA	RADIUS	ARC	CHORD	TANGENT	CHORD BRG
C1	58°56'54"	50.00'	51.44'	49.20'	28.26'	S 29°28'27" W
C2	33°37'27"	50.00'	29.34'	28.92'	15.11'	S 16°48'43" E
C3	57°01'01"	25.00'	24.88'	23.88'	13.58'	S 05°06'56" E
C4	19°16'31"	277.50'	93.36'	92.93'	47.13'	S 33°01'50" W

REVISED

To: S. REAMS (E.S.)

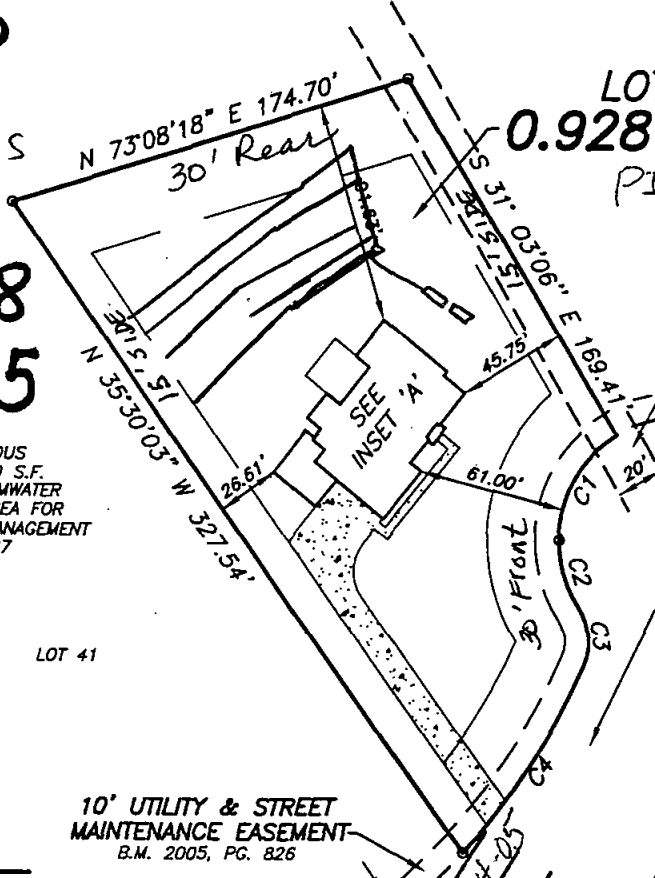
00 54018
D033995

LOT 42
0.928 ACRES

PIN: 1832, 03-02-5516

NC GRID NORTH (NAD 83)
FROM B.M. 2005, PG. 826

ALLOWABLE IMPERVIOUS SURFACE LIMIT, 6,499 S.F. FOR LOTS WITHOUT STORMWATER MANAGEMENT, 30% OF AREA FOR LOTS WITH STORMWATER MANAGEMENT
B.M. 2005, PG. 827



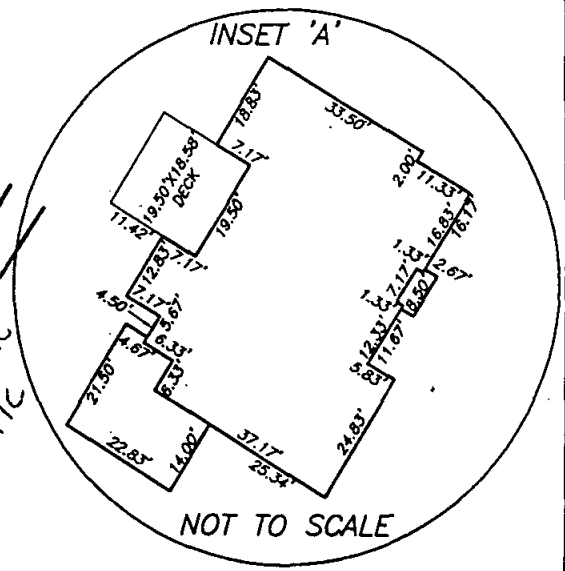
20' PRIVATE STORMWATER DRAINAGE EASEMENT
B.M. 2005, PG. 826

As Built Copy

1" = 80'

1008 BLYKEFORD LANE
(50' PUBLIC R/W)

B.M. 2005, PG. 826



NOT TO SCALE

SETBACKS
FRONT 30'
REAR 30'
SIDE 15'
CORNER SIDE 30'

10' UTILITY & STREET MAINTENANCE EASEMENT
B.M. 2005, PG. 826

LEGEND
(IPF) IRON PIPE FOUND
(IPS) IRON PIPE SET
(R/W) RIGHT OF WAY
(C) CENTERLINE OF RIGHT OF WAY

PROPOSED IMPERVIOUS AREA
HOUSE, GARAGE, PORCH @ 100% 3,106 S.F.
CONCRETE DRIVEWAY @ 100% 2,302 S.F.
CONCRETE SIDEWALK @ 100% 199 S.F.
TOTAL IMPERVIOUS AREA 5,607 S.F.
TOTAL LOT AREA 40,415 S.F.

PERCENTAGE OF IMPERVIOUS AREA = 13.87%

Approve _____
Revise _____
Reject _____
Front _____
Side _____
Date _____
Use _____
MBL _____
Rear 30'
Corner 30'
Comments: COMM. WATER IND. SEPTIC

PROPERTY OF

TED KEITH BUILDERS, INC.

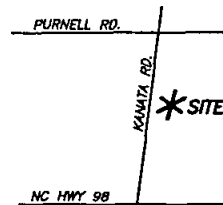
PRELIMINARY PLAT OF
LOT 42 GALLOWAY, PHASE 4
1008 BLYKEFORD LANE

NOTE:
1. NOT FOR RECORDATION OR CONVEYANCE OR SALE.

FLOOD CERTIFICATION

PIN# 1832.03-02-5516
D33995

VICINITY MAP



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alloway lot 42
1" = 80'

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REVISED

* See IP/CA Site Plan Part B + Design Plans Approved 7-20-05 by BSM for additional info.

LOT 42

0.928 ACRES

PIN: 1832, 03-02-5516

LOT 43

NC GRID NORTH (NAD 83)
FROM B.M. 2005, PG. 826

To: S. REAMS
(E.S.)

0054018 D033995

ALLOWABLE IMPERVIOUS SURFACE LIMIT, 6,499 S.F. FOR LOTS WITHOUT STORMWATER MANAGEMENT, 30% OF AREA FOR LOTS WITH STORMWATER MANAGEMENT
B.M. 2005, PG. 827

SETBACKS

FRONT 30'
REAR 30'
SIDE 15'
CORNER SIDE 30'

LEGEND

(IPF) IRON PIPE FOUND
(IPS) IRON PIPE SET
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TOTAL IMPERVIOUS AREA 5,607 S.F.
TOTAL LOT AREA 40,415 S.F.

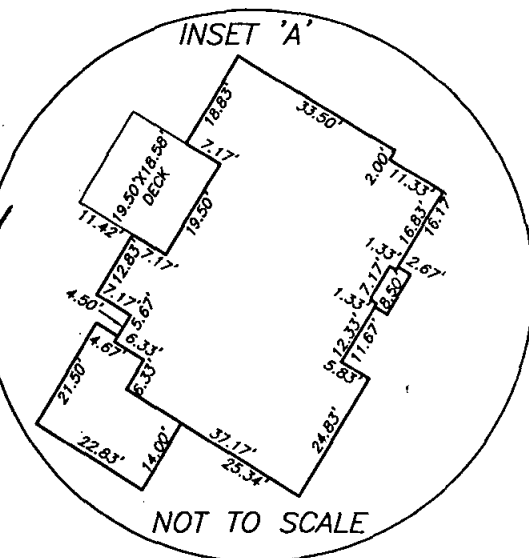
PERCENTAGE OF IMPERVIOUS AREA = 13.87%

10' UTILITY & STREET MAINTENANCE EASEMENT
B.M. 2005, PG. 826

20' PRIVATE STORMWATER DRAINAGE EASEMENT
B.M. 2005, PG. 826

1008 BLYKEFORD LANE

(50' PUBLIC R/W)
B.M. 2005, PG. 826



PROPERTY OF
TED KEITH BUILDERS, INC.

PRELIMINARY PLAT OF

LOT 42 GALLOWAY, PHASE 4
1008 BLYKEFORD LANE
RALEIGH, WAKE COUNTY, N.C.

NOTE:
1. NOT FOR RECORDATION OR CONVEYANCE OR SALE.



GRAPHIC SCALE FILE: LOT42GY JDF

REFERENCE: BOOK OF MAPS 2005, PAGE 826-827.

I, _____, CERTIFY THAT THIS MAP IS THE RESULT OF A FIELD SURVEY MADE UNDER MY SUPERVISION, THAT THE ERROR OF CLOSURE IS 1:10,000+ THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES. WITNESS MY HAND AND SEAL THIS _____ DAY OF _____ A.D., 20____.

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 structures regardless degree of completion. I hereby give permission to municipal/County Representatives the right of entry to make evaluations or inspections upon this property.

Signature of Owner or Authorized Agent

DATE 06-10-05

SCALE: 1" = 80'

KENNETH CLOSE INC.
LAND SURVEYING
970 TRINITY ROAD
RALEIGH, N.C. 27607
PHONE (919) 851-2344
FAX (919) 851-5201

GALLOWAY LOT 42 SEPTIC SYSTEM LAYOUT

**** NO FOUNDATION DRAINS ****

No Foundation drains will be installed per applicant's letter + consultant's design. If a foundation drain is installed, permit will be void.

Septic Tank ≥ 1200 gal
 Pump Tank ≥ 1200 gal
 Risers + a filter are required.
 Drain lines must be installed ≥ 9 ft on center + on contour

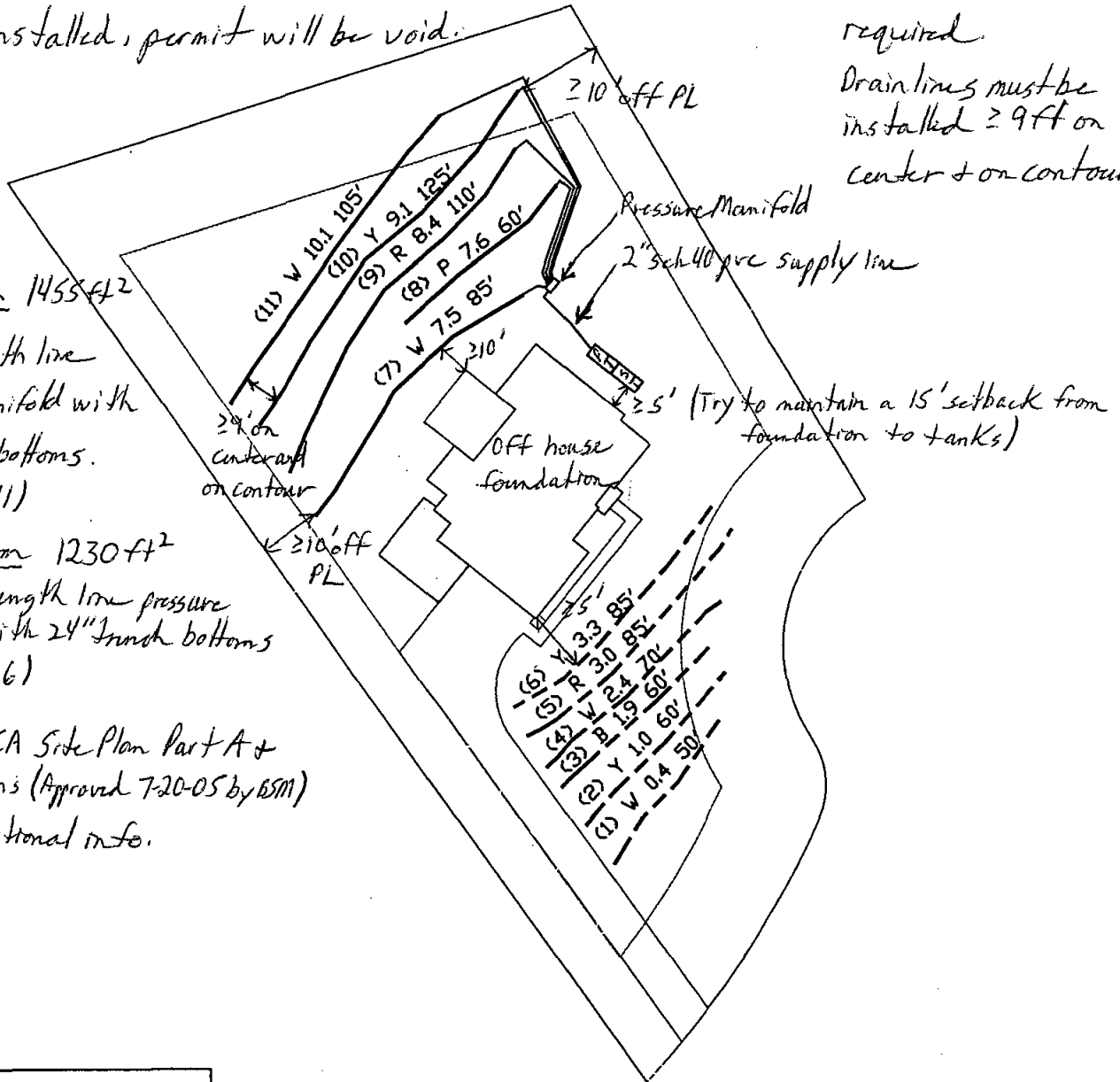
Initial System 1455 ft²

A varied length line pressure manifold with 24" trench bottoms. (Lines 7-11)

Repair System 1230 ft²

A varied length line pressure manifold with 24" trench bottoms (Lines 1-6)

* See IP/CA Site Plan Part A + Design Plans (Approved 7-20-05 by BSM) for additional info.



PROJECT NO. 6165	SCALE 1" = 50'	SHEET TITLE: LOT 42 SEPTIC SYSTEM LAYOUT
PROJECT MGR. RP	FIELD WORK RP, SM	PROJECT NAME: TED KIETH BUILDERS INC GALLOWAY WAKE COUNTY, NORTH CAROLINA JUNE 2005
DRAWN BY SM		

