

Inland Wetland Commission Meeting Agenda
January 12, 2022 7:00 P.M.
VIA ZOOM

Join Zoom Meeting

<https://us06web.zoom.us/j/82424090931?pwd=RFJYcGh0YkFkRWlvVDlFOEdNei9Td09>

Meeting ID: 824 2409 0931

Computer Passcode: 9jk8Nd

One tap mobile

+13017158592,,82424090931#,,,,*932439# US (Washington DC)

Dial by your location

+1 301 715 8592 US (Washington DC)

+1 929 205 6099 US (New York)

Meeting ID: 824 2409 0931

Phone Passcode: 932439

Find your local number: <https://us06web.zoom.us/j/82424090931>

Pledge of Allegiance:

Roll Call:

Agenda:

Review minutes of the December 8, 2021 meeting. VOTE REQUIRED

Correspondence:

Public Participation:

New Business: VOTE REQUIRED

Application # 2022-01 Adam Paquin – 70 Aldrich Road – Single Family Residence and Driveway
Construction

Other Business: POSSIBLE VOTE REQUIRED

Accepting of New Applications if applicable for the February 9, 2022 meeting.

Adjournment.

Inland Wetland Commission Meeting Minutes
December 8, 2021 7:00 P.M.
Putnam Municipal Complex
200 School Street
Room 201
Second Floor

Pledge of Allegiance:

Present: David Pomes-Chairman, Robert Greene, Walter Irwin, Jennifer Heath, Theodore Altmeier

Absent: Christine Main

Agenda:

Review minutes of the October 13, 2021 meeting.

Motion by Jennifer Heath to accept the minutes, second by Walter Irwin. ALL WERE IN FAVOR.

Correspondence: None

Public Participation: None

Other Business:

Discussion was held with Mr. Hyatt on work taking place at his residence at 532 Liberty Highway.

Bruce Fitzback reviewed the history of the property as to what has transpired since July 8, 2020. He informed the Commission of the violation regarding the work taking place within the wetland/upland review area with the use of an excavator as permission was granted to remove the cut trees only.

Bruce Fitzback reviewed the various enforcement actions that could be taken by the Commission as follows:

1. Immediate threat – court injunction.
2. Issue a Notice of Violation – Stating what the Commission will require.
3. Cease and Desist Order – List of items to be corrected, if compliance met no court action would be taken, legal fees and fines or DEEP Fines.

Motion by Theodore Altmeier for issuance of option # 3 Cease and Desist Order, second by Jennifer Heath. ALL WERE IN FAVOR.

Bruce Fitzback generally described the six topics of the proposed Order.

Resulting in the following Six components of the proposed Order.

1. Retain a Professional Engineering firm. By March 30, 2022 you shall retain a professional engineering firm licensed to practice in Connecticut (“the Engineer”) to prepare the documents required by this Order, and to oversee the actions required by this Order and by that date, notify the Putnam Inland Wetlands and Watercourses Commission (“the Commission”), in writing of the identity of the Engineer. You shall retain the Engineer until this Order is fully complied with.
2. Submit Site Plan. By May 4, 2022 you shall submit a Site Plan to the Commission for its review and written approval of an Inland Wetland Commission Application for Permit. The goal of the Site Plan shall be to depict existing conditions, all unauthorized activity, and any proposed activity. The Site Plan shall consist of site drawing(s) signed and sealed by the Engineer that includes, but is not necessarily limited to:
 - a. A delineation (relevant to the subject activities), of the site's property boundaries existing grades at the site, proposed grades at no greater than one-foot contour intervals with a scale of 1-inch equals 20 feet, the limit of current wetlands, the limit of original (pre-activity) wetlands, FEMA elevated floodplain, and erosion and sediment controls to be use during and after the implementation of the final approved Site Plan.
 - b. A schedule for the initiation and completion of actions provided for in the Site Plan. Such schedule shall provide for completion of all grading actions as soon as possible following the Commission’s approval, but in no event later than May 30, 2022 and stabilization of disturbed soils no later than June 30, 2022.
3. Implement the Plan. Following the Commission’s written approval of any plan submitted pursuant to this Order, you shall perform the actions as approved.
4. Submit As-Build Drawing. Within 45 days of completing the required actions, submit to the Commission for its review and written approval, an as-built drawing (“as-built drawing”) that verifies conformance with the Site Plan. The as-built drawing shall show final grades at the site at no greater than one-foot contour intervals with a scale of 1-inch equals 20 feet and shall identify final spot elevations at the site. The as-built drawing shall be signed and sealed by the Engineer.
5. Relocation of Excavating Equipment. Within ten days of the receipt of this Order, you shall relocate the excavating equipment to the northeast part of the property being 532 Liberty Highway away from the wetland area until such time that the Commission has approved the Site Plan and a Permit has been issued.

Erosion and Sediment Control. Within ten days of the receipt of this Order erosion and sediment control shall be installed along the current edge of disturbed earth and maintain

The Commission members discussed the topics. Mr. Hyatt was asked for his input, he requested a change in the time frame to allow for financing, and he also added that if he was made to move the equipment from the property, he would have to sell it. The Commission discussed. Motion by Theodore Altmeier to accept the topics of the Order with the revisions requested by Mr. Hyatt, second by Jennifer Heath. ALL WERE IN FAVOR.

Accepting of New Applications if applicable for the January 12, 2022 meeting. None

Meeting schedule for 2022

Motion by Robert Greene to meet on the second Wednesday at 7:00 P.M., second Walter Irwin. ALL WERE IN FAVOR.

Motion by Jennifer Heath to adjourn at 7:45 P.M., second by Walter Irwin. ALL WERE IN FAVOR

Respectfully submitted by Brenda Roy.

Please note these minutes have not been accepted by the Commission and will be place on their next meeting agenda.



INLAND WETLAND COMMISSION

APPENDIX A

APPLICATION FOR PERMIT

This application is for the use of inland wetlands and water courses.

The meetings are held on the second Wednesday of every month at 7:00pm in the Town Hall. If an on-site inspection is canceled due to inclement weather, the applicant is asked to call the office at 963-6803 30 minutes before the scheduled inspection to see if or when the inspection will be held.

Name of Applicant Adam Paquin
 Applicant's Address 95 ELLING WISNETS, PUTNAM, CT, 06260
 Phone # 860-933-9384 PAQUINADAM@YAHOO.COM
 Owner of Land Adam Paquin
 Owner's Address 95 ELLING WISNETS, PUTNAM, CT, 06260
 Location and description of proposed activity: 20 Aldrich Road, Drive Way
CONSTRUCTION OVER THE NEXT 5 YEARS OVER TREE CUTTING.

Activity & Purpose Code

Please **CHECK** one in each column that best describes the activity proposed.

<u>Code</u>	<u>Activity Type</u>	<u>Code</u>	<u>Activity Purpose</u>
<input checked="" type="checkbox"/>	1 Filling	<input type="checkbox"/>	A Residential Improvement by homeowner
<input checked="" type="checkbox"/>	2 Excavation	<input checked="" type="checkbox"/>	B New residential development - single family
<input checked="" type="checkbox"/>	3 Land Clearing	<input type="checkbox"/>	C New residential development - multi- family/condo
<input type="checkbox"/>	4 Stream Channel	<input type="checkbox"/>	D Commercial/Industrial Uses
<input type="checkbox"/>	5 Stream Stabilization	<input type="checkbox"/>	E Municipal Improvements
<input type="checkbox"/>	6 Stream Clearance	<input type="checkbox"/>	F Utility Company Improvements
<input type="checkbox"/>	7 Culverting	<input type="checkbox"/>	G Agriculture, Forestry or Conservation
<input type="checkbox"/>	8 Und. Grd. Util.	<input type="checkbox"/>	H Wetland Creation/Restoration
<input type="checkbox"/>	9 Roadway Construction	<input type="checkbox"/>	I Storm Water/Flood Control
<input type="checkbox"/>	10 Drainage Improvements	<input type="checkbox"/>	J Erosion/Sediment Control
<input type="checkbox"/>	11 Pond Dredge/Dam Construction	<input type="checkbox"/>	K Recreation/Boating/Navigation
<input type="checkbox"/>	12 Activity Buffer/Set Back Area	<input type="checkbox"/>	L Routine Maintenance

13 Other: Please describe: DRIVE WAY CONSTRUCTION
and tree cutting.

INLAND WETLAND COMMISSION

APPENDIX A *Continued*

Project Name (if applicable) _____

Estimate of Linear Footage affecting Wetlands _____

Affected number of acres in which Wetlands are part of
the impacted area for Multi-Family, Condos and
Commercial Development _____

TO BE COMPLETED BY THE COMMISSION

Application Number 2022-01 _____

Date of Receipt 12-28-2021 cl# 275 _____

Application Approved (date) _____

Conditions of approval if applicable _____

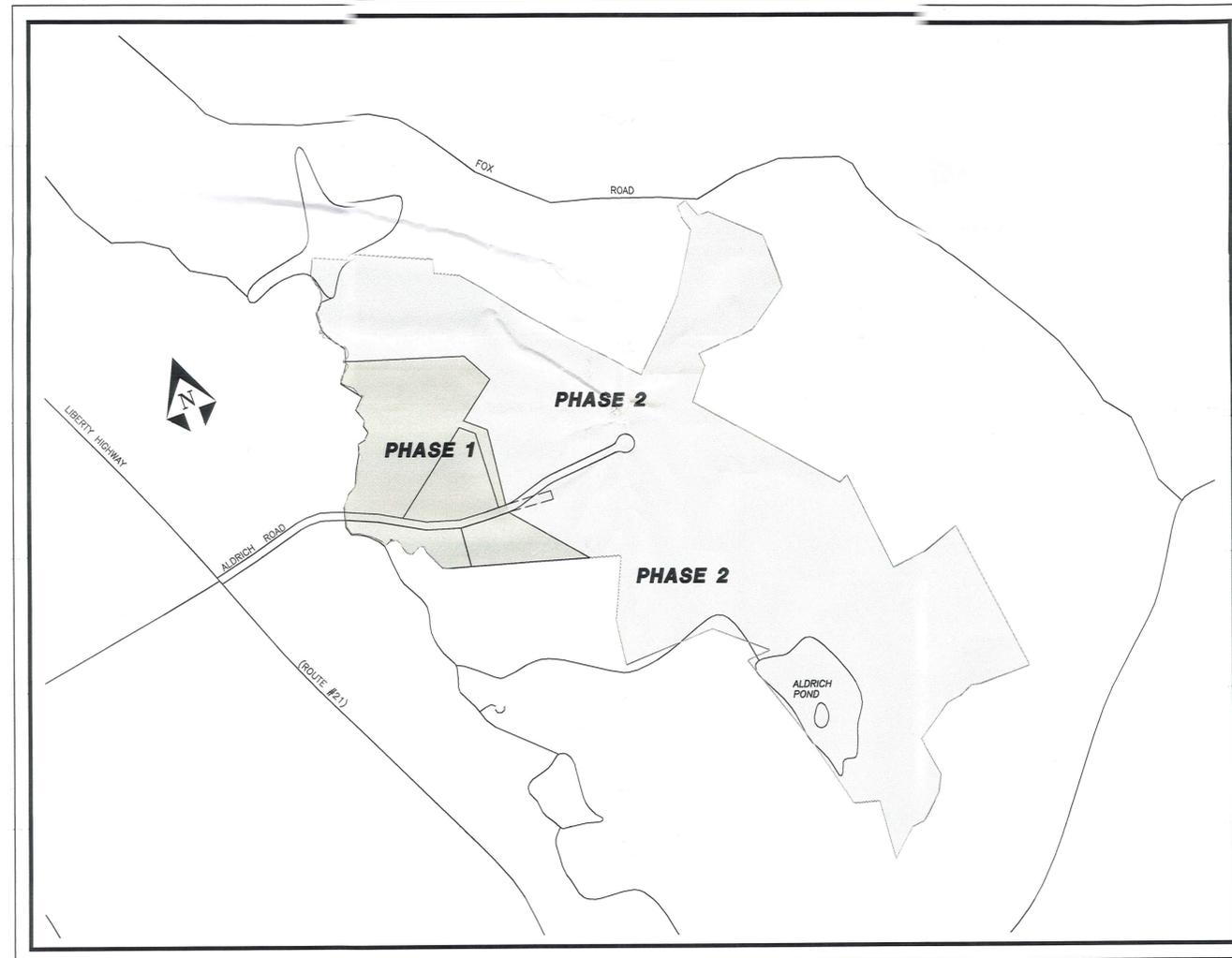
Application Denied (date) _____

Reason(s) for Denial _____

Signature of Chairman or Secretary of Commission

Date

PROPOSED SUBDIVISION FOR JOANNA K. RODENSKY PUTNAM, CONNECTICUT



PHASING PLAN
SCALE: 1" = 500'

OWNER: JOANNA K. RODENSKY

APPLICANT: JOANNA K. RODENSKY

PREPARED BY:



DATE: DECEMBER, 2004

REVISED: FEBRUARY 3, 2005

INDEX TO DRAWINGS

TITLE	SHEET No.
COVER SHEET & PHASING PLAN	SHEET 1 OF 5
SUBDIVISION PLAN	SHEET 2 OF 5
SITE DEVELOPMENT FOR LOTS 17-4, 17-5	SHEET 3 OF 5
SITE DEVELOPMENT FOR LOTS 17-6, 17-7	SHEET 4 OF 5
DETAIL SHEET	SHEET 5 OF 5

APPROVED BY THE TOWN OF
PUTNAM ZONING COMMISSION

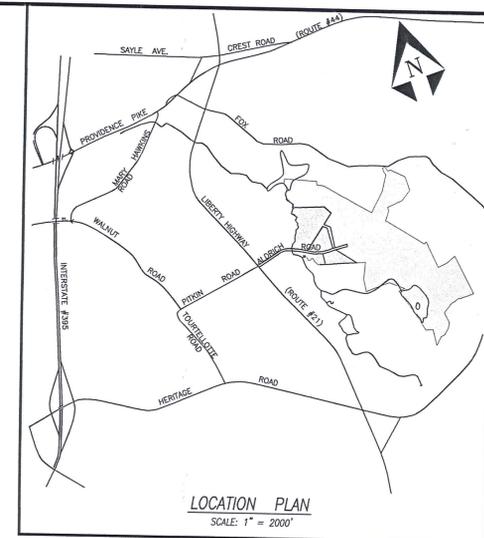
CHAIRMAN _____ DATE _____

APPROVED BY THE TOWN OF
PUTNAM PLANING COMMISSION

CHAIRMAN _____ DATE _____

APPROVED BY THE TOWN OF
PUTNAM INLAND WETLANDS COMMISSION

CHAIRMAN _____ DATE _____



- LEGEND**
- IRON PIN FOUND
 - IRON PIN SET OR TO BE SET
 - _{DR} DRILL HOLE SET
 - _{DR} DRILL HOLE FOUND
 - _{UT} UTILITY POLE
 - STONEWALL

- MAP REFERENCE:**
- "Plan of Land Owned by National Chromium Co., Inc. - Putnam, Connecticut - Scale: 1" = 50' - Date: April 8, 1982 - Prepared by Albert L. Fitzback, R.L.S."
 - "Plan of Land Owned by Namand T. Trudeau - Putnam, Connecticut - Scale: 1" = 150' - Date: April 7, 1967 - Prepared by Gilbert F. Perry, C.E."
 - "Survey Plan Prepared for Joanna Rodensky - Aldrich Road & Fox Road - Putnam, Connecticut - Scale: 1" = 200' - Date: 9/23/2003 - Prepared by KWP Associates."
 - Subdivision Plan Prepared for Joanna K. Rodensky - Aldrich Road & Fox Road - Putnam, Connecticut - Scale: 1" = 50' - Date: 10/1/2003 - Revised to 3/19/2004 - Prepared by KWP Associates."

To my knowledge and belief, this map is substantially correct as noted herein.

Bruce D. Woods DEC 1, 2004
 BRUCE D. WOODS, Conn. L.S. #13646

No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears herein.

REVISIONS		DATE	LOT NUMBERS	DESCRIPTION	BY
		12/6/2004			MAJ

Subdivision Plan
Prepared For

IOANNA K. RODENSKY

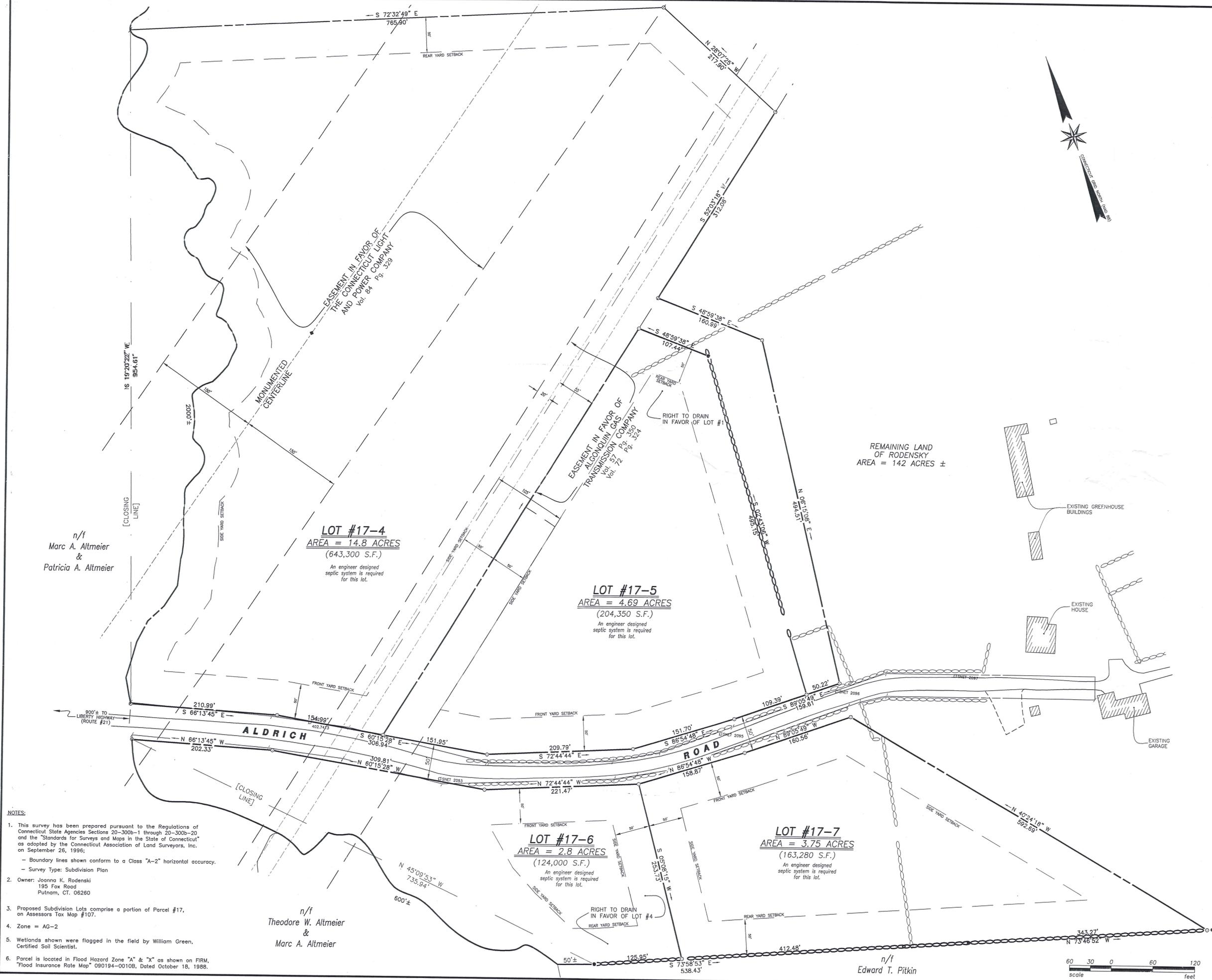
ALDRICH ROAD
PUTNAM, CONNECTICUT

KWP *associates*

SURVEYING ~ ENGINEERING ~ SITE PLANNING

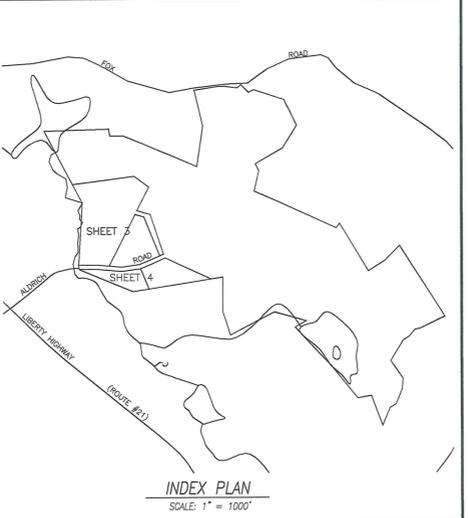
250 Killingly Road
Pomfret Center, Ct. 06259-0106

SCALE: 1" = 60'
DATE: 12/1/2004
SHEET: 2 OF 5
PROJ # 97037 FB: 480
Dwn: MAJ Ctk: .

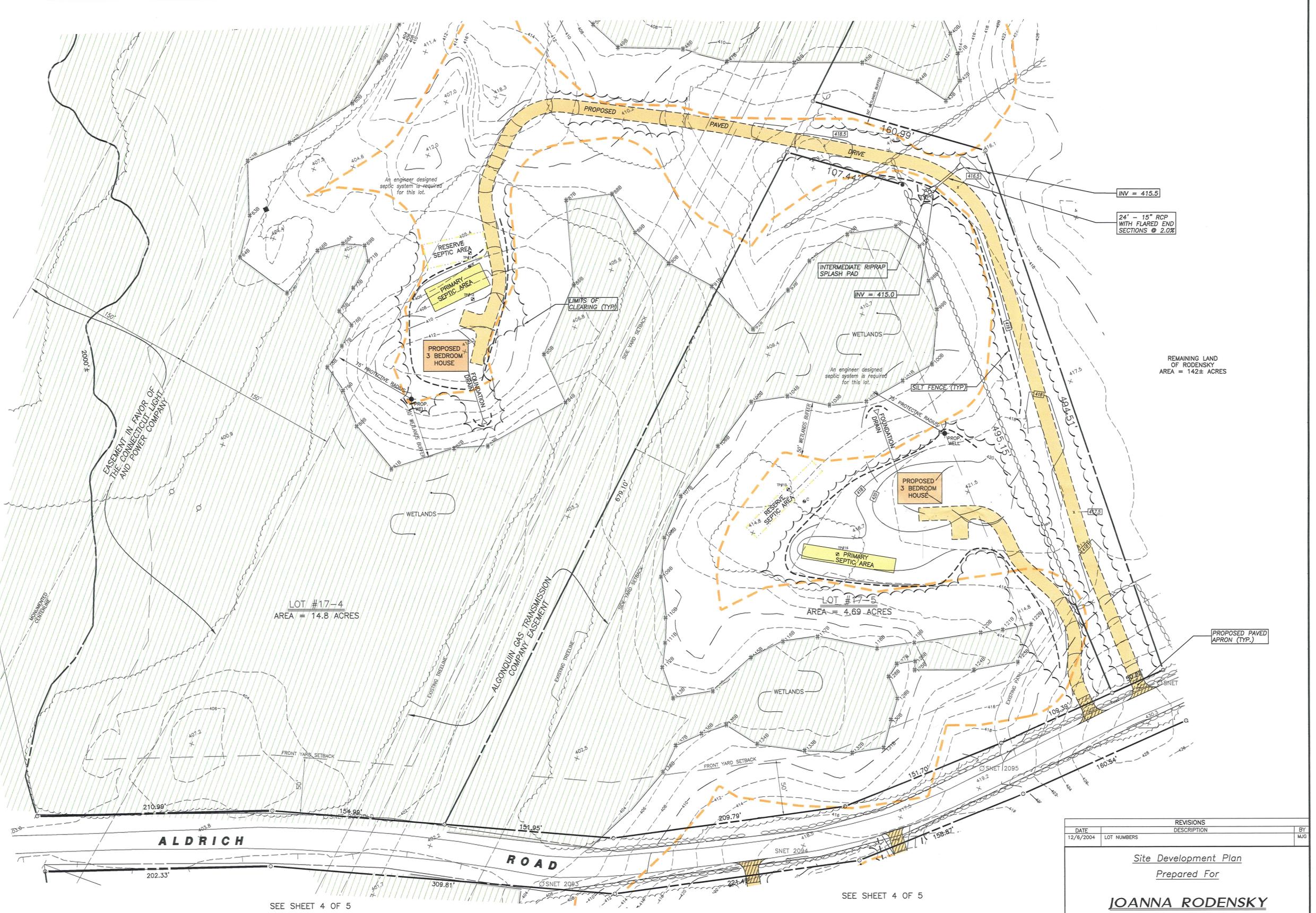


- NOTES:**
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
 - Boundary lines shown conform to a Class "A-2" horizontal accuracy.
 - Survey Type: Subdivision Plan
 - Owner: Joanna K. Rodensky
195 Fox Road
Putnam, CT. 06260
 - Proposed Subdivision Lots comprise a portion of Parcel #17, on Assessors Tax Map #107.
 - Zone = AG-2
 - Wetlands shown were flagged in the field by William Green, Certified Soil Scientist.
 - Parcel is located in Flood Hazard Zone "A" & "X" as shown on FIRM, "Flood Insurance Rate Map" 090194-0010B, Dated October 18, 1988.





n/f
 Marc A. Altmeier
 &
 Patricia A. Altmeier



- NOTES:**
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1998;
 - Boundary lines shown conform to a Class "A-2" horizontal accuracy
 - See Subdivision Plan for Bearings
 - Topographic features conform to a Class "T-D", "V-D" vertical accuracy.
 - Owner / Applicant: Joanna K. Rodensky
 195 Fox Road
 Putnam, CT. 06260
 - Northeast District Department of Health file number: 03002921.
 - Total Subdivided Area = 19.88 acres
 - Zone = AG-2
 - Elevations based on National Geodetic Vertical Datum of 1929. Contours taken from aerial photogrammetry. Contour interval = 2'.
 - Wetlands shown were flagged in the field by William Green, Ph.D. Certified Soil Scientist.
 - Parcel is located in Flood Hazard Zones "A" & "X" as shown on 090194-0010B, Dated October 18, 1995.
 - Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.

LEGEND

- IRON PIN FOUND
- IRON PIN SET OR TO BE SET
- UTILITY POLE
- CHD MONUMENT FOUND
- ⊗ DEEP TEST PIT LOCATION
- ⊙ PERCOLATION TEST LOCATION
- 406 --- EXISTING CONTOUR
- - - 406 - - - PROPOSED CONTOUR
- 406.2 PROP. SPOT ELEVATION
- x STONEWALL
- ∞ EDGE OF WETLANDS
- ▬ SILT FENCE

FOR ALL CONSTRUCTION NOTES AND DETAILS SEE SHEET 5 OF 5.



KWP associates
 P.O. BOX 106, POMFRET CENTER, CT. 06259
 TERENCE P. CHAMBERS, P.E. #10560 DATE 1 DEC 04
 NOT VALID UNLESS SEAL IS AFFIXED HERETO

To my knowledge and belief, this map is substantially correct as noted herein.
 Bruce D. Woodis DEC 1, 2004
 BRUCE D. WOODIS, Conn. L.S. #13646
 No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears herein.

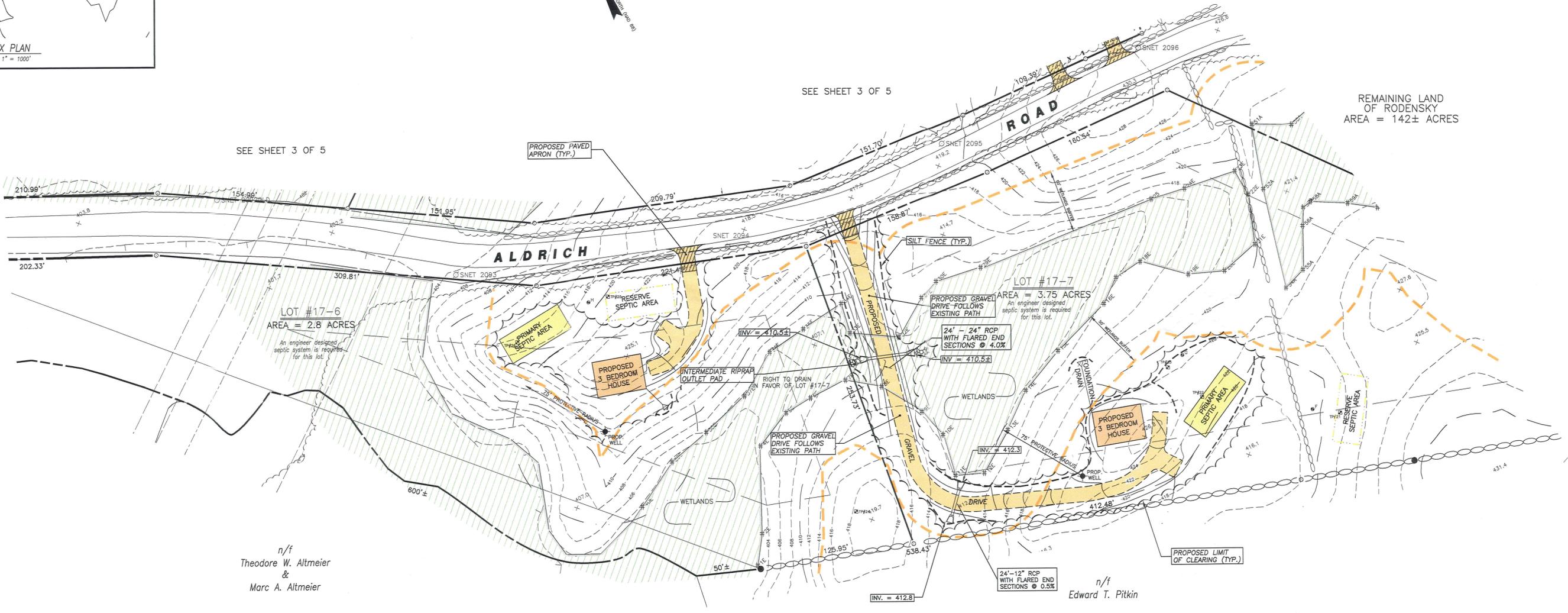
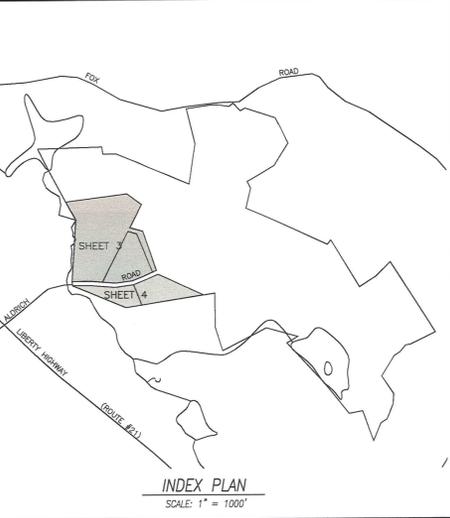
REVISIONS		
DATE	LOT NUMBERS	DESCRIPTION
12/6/2004		

Site Development Plan
 Prepared For
JOANNA RODENSKY
 ALDRICH ROAD
 PUTNAM, CONNECTICUT

KWP associates
 SURVEYING ~ ENGINEERING ~ SITE PLANNING
 250 Killingly Road
 Pomfret Center, Ct. 06259-0106

SCALE: 1" = 40'
 DATE: 12/1/2004
 SHEET: 3 OF 5
 PROJ # 97037 FB: 480
 Dwn: MJG Chk:

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- NOTES:**
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
 - Boundary lines shown conform to a Class "A-2" horizontal accuracy
 - See Subdivision Plan for Bearings
 - Topographic features conform to a Class "T-D", "V-D" vertical accuracy.
 - Owner / Applicant: Joanna K. Rodensky
195 Fox Road
Putnam, Ct. 06260
 - Northeast District Department of Health file number: 03002921.
 - Total Subdivided Area = 19.68 acres
 - Zone = AG-2
 - Elevations based on National Geodetic Vertical Datum of 1929. Contours taken from aerial photogrammetry. Contour interval = 2'.
 - Wetlands shown were flagged in the field by William Green, Ph.D. Certified Soil Scientist.
 - Parcel is located in Flood Hazard Zones "A" & "X" as shown on 090194-0010B, Dated October 18, 1988.
 - Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.

FOR ALL CONSTRUCTION NOTES AND DETAILS SEE SHEET 5 OF 5.

LEGEND

●	IRON PIN FOUND	---406---	EXISTING CONTOUR
○	IRON PIN SET OR TO BE SET	—406—	PROPOSED CONTOUR
○	UTILITY POLE	—406.2	PROP. SPOT ELEVATION
■	CHD MONUMENT FOUND	x	STONEWALL
■	DEEP TEST PIT LOCATION	—#—#	EDGE OF WETLANDS
●	PERCOLATION TEST LOCATION	—■—■—■	SILT FENCE

KWP associates
TERENCE P. CHAMBERS, P.E. #10560
DATE: 1 DEC '04
NOT VALID UNLESS SEAL IS AFFIXED HERETO

To my knowledge and belief, this map is substantially correct as noted hereon.

BRUCE D. WOODS, DEC 1, 2004
BRUCE D. WOODS, Conn. L.S. #13646
No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.



REVISIONS		
DATE	DESCRIPTION	BY
2/3/2005	FOUNDATION DRAINS, WETLANDS BUFFER	MJG
12/28/2004	REVISED PER NDDH	MJG
12/6/2004	LOT NUMBERS	MJG

Site Development Plan
Prepared For
JOANNA RODENSKY
ALDRICH ROAD
PUTNAM, CONNECTICUT

KWP associates
SURVEYING ~ ENGINEERING ~ SITE PLANNING
250 Killbuck Road
Putnam Center, Ct. 06259-0106

SCALE: 1" = 40'
DATE: 12/1/2004
SHEET: 4 OF 5
PRJ # 07037 FB: 480
Dwn: MJG Chk: .

REMAINING LAND OF RODENSKY AREA = 142± ACRES

SEE SHEET 3 OF 5

SEE SHEET 3 OF 5

n/f Theodore W. Altmeier & Marc A. Altmeier

n/f Edward T. Pitkin

EROSION & SEDIMENTATION NOTES AND SEQUENCE OF OPERATIONS

- The proposed activity consists of the construction of four single family residences and appurtenant driveways, septic systems and wells within 100' of an inland wetland.
- Prior to any construction, excavation or filling, all improvements shall be accurately staked in the field by a land surveyor registered in the State of Connecticut.
- After field staking all erosion sedimentation control devices as shown on the plan and as detailed shall be installed. Properly installed haybales maybe used in lieu of silt fence.
- All trees and brush within the areas of disturbance shall be removed. All limbs and saplings less than 4" in caliper shall be chipped and stockpiled for later reuse as slope stabilization and mulch material. All trees in excess of 4" in caliper shall be removed from the site and disposed of in a manner consistent with State, Federal, and local regulations. Stumps shall be excavated from the area of disturbance and likewise disposed of in a manner consistent with all applicable laws.
- Final grades shall be achieved as quickly as possible, and immediately thereafter, sideslopes shall be stabilized with 4" of topsoil. The area shall be seeded and mulched with straw mulch in accordance with the specifications contained herein.
- All erosion and sedimentation control measures shall be constructed in accordance with standards and specifications of the "Erosion and Sedimentation Control Handbook", U.S. Dept. of Agriculture, Soil Conservation Service.
- All control measures shall be maintained in effective conditions throughout the construction period and shall be inspected periodically but not less than once per month, and after a total rainfall in one storm event of 1 inch in 24 hours. Sediment shall be promptly removed from control structures and disposed of on-site in upland areas outside the buffer zone of wetlands. Any silt fence or hay bales damaged as a result of a storm event or construction activities, shall be immediately repaired.
- The Town of Putnam shall be notified prior to commencement of construction and at key point during construction so that inspections of erosion and sedimentation control measures can be scheduled.
- The responsibility for implementation of this plan shall rest with Joanna Rodensky, 195 Fox Road Putnam, CT 06234.
- Seed Mixture:

UPON ACHIEVEMENT OF FINAL GRADES, 4" OF TOPSOIL SHALL BE SPREAD AND SEEDING WITH FOLLOWING MIX:	
SEED	lbs./1000 S.F.
CREeping RED FESCUE	0.45
REDTOP	0.05
PERENNIAL RYEGRASS	0.20
KENTUCKY BLUEGRASS	0.15
TOTAL: 0.85	
AFTER SEEDING IS COMPLETE SPREAD MULCH AT THE RATE OF 1 HAYBALE/500 S.F.	

11. Schedule of construction activities:

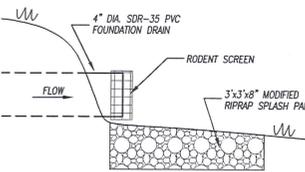
Lot Clearing:	April 1 - 15
Site Grading and Foundation Construction:	April 15 - June 1
Driveway and Septic System Installation:	May 15 - July 15
Home Construction:	June 1 - Aug 1
Loam and Seeding:	Aug 15 - Sep 1

DEEP TEST HOLE EVALUATION - May 14, 2004
Northeast District Department of Health

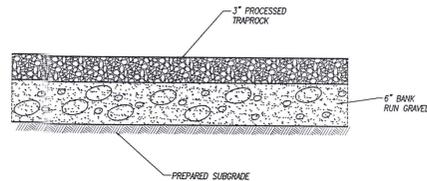
TEST PIT	DEPTH	PROFILE
11	0" - 10" 10" - 23" 23" - 33" 33" - 75" Ledge GWT Mottling	Topsoil Sandy Loam, Roots Sand & Gravel Washed Sand & Gravel N/A 71" 33"
12	0" - 8" 8" - 28" 28" - 44" 44" - 71" Ledge GWT Mottling	Topsoil Sandy Loam Gravelly Sandy Loam Washed Coarse Sand and Pebbles Coarse Sand N/A N/A 28"
15	0" - 8" 8" - 22" 22" - 38" 38" - 64" Ledge GWT Mottling Restrictive	Topsoil, Roots Reddish Brown Fine Sandy Loam, Stones, Roots Tannish Gray Loamy Fine Sandy, Mottled, Stones Gray Brown Loamy Sand and Gravel, Compact N/A N/A 22" 38"
16	0" - 8" 8" - 18" 18" - 30" 30" - 32" Ledge GWT Mottling Restrictive	Topsoil, Roots Reddish Brown Very Fine Sandy Loam, Stones Brown Gray Fine Sandy Loam, Stones Gray Brown Sandy Pan, Compact N/A N/A 18" 0"
21	0" - 8" 8" - 14" 14" - 30" 30" - 72" Ledge GWT Mottling	Topsoil, Organics, Roots Sandy Loam Loamy Sand Moderately Compact Loamy Fine Sand N/A N/A 55" 30"
22	0" - 6" 6" - 32" 32" - 64" Ledge GWT Mottling	Topsoil, Organics, Roots Fine Sandy Loam, Fine Roots Moderate Compact Loamy Fine Sand N/A N/A 71" 32"
23	0" - 6" 6" - 28" 28" - 44" 44" - 112" Ledge GWT Mottling	Topsoil Sandy Loam, Roots Loamy Sand Moderate Compact Loamy Sand N/A N/A N/A 44"
24	0" - 7" 7" - 20" 20" - 70" 70" - 96" Ledge GWT Mottling Restrictive	Topsoil, Roots Reddish Brown Loamy Fine Sand, Stones Tan Loamy Sand & Gravel, Rocks Tannish Gray Clean Sand N/A N/A N/A 48"
25	0" - 6" 6" - 30" 30" - 86" Ledge GWT Mottling	Topsoil, Roots Reddish Brown Fine Sandy Loam, Rocks Brown Sandy Gravel, Rocks N/A N/A N/A N/A
26	0" - 8" 8" - 32" 32" - 46" 46" - 86" Ledge GWT Mottling Restrictive	Topsoil, Roots Reddish Brown Fine Sandy Loam, Fine Roots Gray Fine Sand, Moist, Tight Gray Brown Sand & Gravel, Stones, Compact N/A N/A N/A 32"

PERC TEST RESULTS

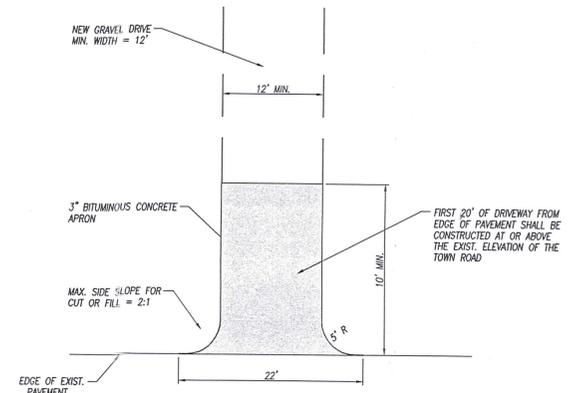
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B	= 5 min. / in.
F	= 4 min. / in.
G	= 5 min. / in.
H	= 4 min. / in.



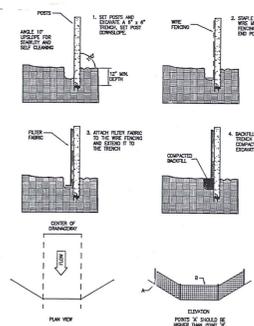
FOUNDATION DRAIN OUTLET
NOT TO SCALE



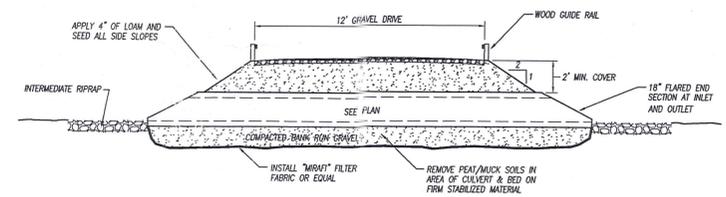
GRAVEL DRIVEWAY DETAIL
NOT TO SCALE



PAVED DRIVEWAY APRON DETAIL
NOT TO SCALE



SILT FENCE
NOT TO SCALE



PERMANENT WETLANDS CROSSING
NOT TO SCALE

SEPTIC SYSTEM CONSTRUCTION NOTES

- The building and septic system shall be accurately staked in the field prior to construction by a licensed Land Surveyor in the State of Connecticut.
 - Topsoil shall be removed and the area of primary leaching field scarified prior to placement of fill. Fill shall meet the gradation requirements noted below. Fill material shall be approved by the engineer or the sanitarian prior to placement. It shall be compacted in six-inch lifts and shall extend a minimum of fifteen feet (15') beyond the last leaching trench before tapering off.
- Septic System Fill Gradation Requirements**
- Coarse Fraction (less than 3" and greater than No. 4 sieve): 45% Max.
- | Sieve | Percent Passing |
|---------|-----------------|
| No. 4 | 100 |
| No. 10 | 70-100 |
| No. 40 | 10-50 |
| No. 100 | 0-20 |
| No. 200 | 0-5 |
- All precast structures such as septic tanks, distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.
 - Solid distribution pipe shall be 4" diameter SDR-35 PVC MEETING ASTM D-3034 with compression gasket joints. It shall be laid true to the lines and grades shown on the plans and in no case have a slope less than 0.125 inches per foot.
 - Perforated distribution pipe shall be 4" diameter PVC meeting ASTM D-2729 or D-3350, 1500 lb. minimum crush.
 - Sewer pipe from the foundation wall to the septic tank shall be centrifugally cast iron meeting the requirements of ASTM A 74 or schedule 40 PVC meeting ASTM-1786.
 - Foundation drain outlet shall be 4" diameter SDR-35 PVC meeting the requirements of ASTM D-3034 with rubber compression gasket joints and backfilled with a non free-draining material.

LOT 17-4 BASIS OF SANITARY DESIGN

Percolation Rate	= 5 min. / in.
3 bedroom house requires	= 495 s.f. effective leaching area
Effective Leaching area	= 3 s.f. / l.f. of trench
Length Required	= 495/3 = 165 l.f.
Length Provided	= 3 (55') = 165 l.f.
Min. Leaching system Spread (MLSS)	= 30 x 1.5 x 1.0 = 55'
MLSS Provided	= 55'
LEACHING FIELD	
3 Trenches @ 55 l.f. each	
Maximum depth into existing grade = 10"	

LOT 17-5 BASIS OF SANITARY DESIGN

Percolation Rate	= 3 min. / in.
3 bedroom house requires	= 495 s.f. effective leaching area
Effective Leaching area	= 3 s.f. / l.f. of trench
Length Required	= 495/3 = 165 l.f.
Length Provided	= 4 (42') = 168 l.f.
Min. Leaching system Spread (MLSS)	= 48 x 1.5 x 1.0 = 72'
MLSS Provided	= 84'
LEACHING FIELD	
4 Trenches @ 42 l.f. each	
Maximum depth into existing grade = 0"	

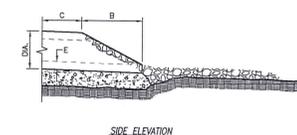
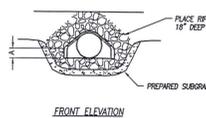
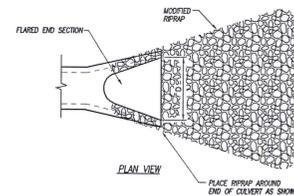
LOT 17-6 BASIS OF SANITARY DESIGN

Percolation Rate	= 4 min. / in.
3 bedroom house requires	= 495 s.f. effective leaching area
Effective Leaching area	= 3 s.f. / l.f. of trench
Length Required	= 495/3 = 165 l.f.
Length Provided	= 4 (55') = 165 l.f.
Min. Leaching system Spread (MLSS)	= 18 x 1.5 x 1.0 = 27'
MLSS Provided	= 55'
LEACHING FIELD	
3 Trenches @ 55 l.f. each	
Maximum depth into existing grade = 14"	

LOT 17-7 BASIS OF SANITARY DESIGN

Percolation Rate	= 5.4 min. / in.
3 bedroom house requires	= 495 s.f. effective leaching area
Effective Leaching area	= 3 s.f. / l.f. of trench
Length Required	= 495/3 = 165 l.f.
Length Provided	= 3 (55') = 165 l.f.
Min. Leaching system Spread (MLSS)	= 20 x 1.5 x 1.2 = 36.0'
MLSS Provided	= 55'
LEACHING FIELD	
3 Trenches @ 55 l.f. each	
Maximum depth into existing grade = 14"	

DIA.	A	B	C	D	E
12"	4"	2'-0"	4'-0 7/8"	2'-0"	2"
15"	6"	2'-3"	3'-10"	2'-6"	2 1/4"
18"	9"	2'-3"	3'-10"	3'-0"	2 1/2"
24"	9 1/2"	3'-7 1/2"	2'-6"	4'-0"	3"
30"	12"	5'-3"	1'-7 3/4"	5'-0"	3 1/2"
36"	15"	5'-3"	2'-10 3/4"	6'-0"	4"
42"	21"	6'-0"	2'-11"	6'-6"	4 1/2"



REINFORCED CONCRETE CULVERT END
NOT TO SCALE

REVISIONS		
DATE	REVISIONS	BY
12/28/2004	REVISED PER NDDH	M/G
12/6/2004	LOT NUMBERS	M/G

Detail Sheet
Prepared For

JOANNA K. RODENSKY

ALDRICH ROAD
PUTNAM, CONNECTICUT

KWP associates	SCALE: AS SHOWN
	DATE: 12/1/2004
SURVEYING ~ ENGINEERING ~ SITE PLANNING	SHEET: 5 OF 5
250 Killingly Road Pomfret Center, CT 06259-0106	PROJ # 97037 FB: 480 Dwn: M/G Chk: .