

VICINITY MAP

SCALE: 1"=1000'

LONG HILL ESTATES RESIDENTIAL SUBDIVISION

53 LONG HILL ROAD EAST HAMPTON, CONNECTICUT

INLAND WETLANDS AND PLANNING & ZONING APPLICATION

SUMMARY CHART								
53 LONG HILL ROAD, EAST HAMPTON CT								
PARCEL SIZE	823,998 S.F. or 18.9 Acres	ZONING DISTRICT	R-2 RESIDENTIAL ZONE					
ASSESSOR'S LOCATION	06 / 12 / 08	PROPOSED USE	Single Family Lots					
ZONING SUMMARY								
ITEM	REQUIRED BY CODE (SEPTIC)	PROVIDED						
		LOT #1	LOT #2	LOT #3	LOT #4	LOT #5	LOT #6	LOT #7
MIN. LOT AREA (S.F.)	60,047 S.F.	60,047 S.F.	122,436 S.F.	125,710 S.F.	60,130 S.F.	60,289 S.F.	122,191 S.F.	77,223 S.F.
MIN. LOT WIDTH	150'	156.1'	215.0'	179.0'	161.8'	151.0'	289.1'	222.2'
MIN. LOT DEPTH	200'	343.9'	455.8'	557.6'	372.7'	391.3'	389.2'	415.8'
MIN. LOT FRONTAGE	100'	151.15'	25.0'	25.0'	162.58'	151.01'	25.0'	234.17'
BUILDING SETBACK								
FRONT	50'	50' +	50' +	50' +	50' +	50' +	50' +	50' +
SIDE	25'	25' +	25' +	25' +	25' +	25' +	25' +	25' +
REAR	50'	50' +	50' +	50' +	50' +	50' +	50' +	50' +
MAX. BUILDING HEIGHT	30'	< 30'	< 30'	< 30'	< 30'	< 30'	< 30'	< 30'
MAX. BUILDING COVERAGE	10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%

* - LOTS ARE "INTERIOR" LOTS REQUIRING 2X MIN LOT AREA AND ONLY REQUIRE 25' OF FRONTAGE

Project Narrative

This project proposes to subdivide the existing R-2 zoned, 18.9 acre parcel into 7 Single family residential lots meeting all Zoning, Subdivision, Inland Wetland and Health Department regulations. Additionally there are 4 parcels being conveyed to property abutters. These parcels are located on the east side of the subject parcel.

INDEX OF DRAWINGS

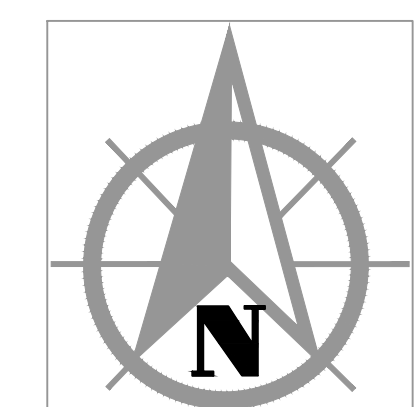
- CV-1 COVER SHEET
- EX-1 & EX-2 BOUNDARY AND TOPOGRAPHIC SURVEY
- SP-1, SP-2 SUBDIVISION PLAN
- GU-1 GRADING AND EROSION CONTROL PLAN
- TD-1 TESTING DATA PLAN
- D-1 DETAIL SHEET

RECEIVED
3/23/2021
Land Use Department
East Hampton

Soil Scientist:

James Sipperly, Certified Soil Scientist
401 Salem Turnpike, Bozrah CT 06334
Phone: 860-334-7073

Surveyor:



CT LAND SURVEYING, LLC

SBE | MBE CERTIFIED
LAND SURVEYING / LAND PLANNING
CT LAND SURVEYING, LLC
58 OLD TAVERN ROAD
ORANGE, CT 06477
P: (203) 503-1193
FAX: (203) 404-0411
EMAIL: JSONIZ@YAHOO.COM



Approved by the East Hampton Planning & Zoning Commission

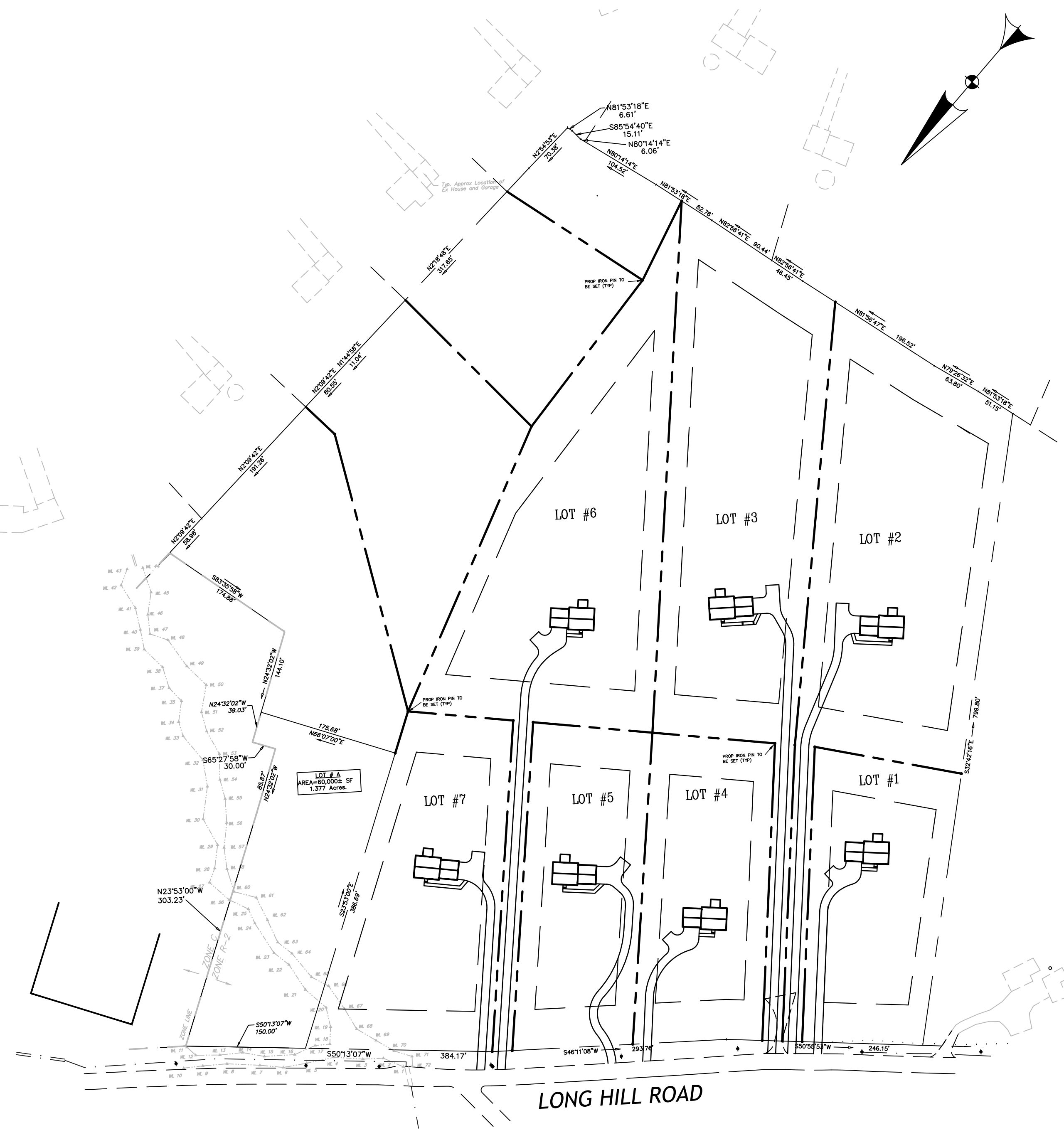
Final Approval _____ Chairman

Date: _____

Expiration Date: _____

Per Section 8-26c of the Connecticut General Statutes, as amended, approval automatically expires _____ if all physical improvements required by this plan are not completed by that date.

The Subdivision Regulations of the Town of East Hampton Planning and Zoning Commission are a part of this plan. Approval of this plan is contingent on completion of the requirements of said regulations, excepting any variances or modifications made by the Commission. Any Such Variances or modifications are on file in the office of the Commission.

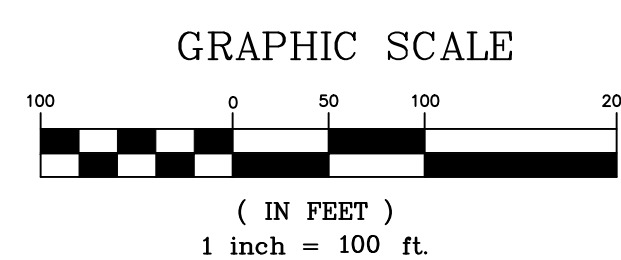


OVERALL SITE PLAN

SCALE: 1"=100'

SUBMISSION DATE: JULY 25, 2011

REVISION DATE:



PROPERTY OWNER/APPLICANT:

Long Hill Estates, LLC
244 Middletown Ave
East Hampton, CT 06424

#	DATE	DESCRIPTION

COVER SHEET		
LONG HILL ESTATES 53 LONG HILL ROAD EAST HAMPTON, CONNECTICUT		
<i>Robert V. Baltramaitis, P.E.</i> 27 Tammy Hill Road Wallingford, Connecticut 06492 (203) 915-8301		
DATE:	SCALE:	SHT #:
3/17/2021	1" = 40'	CV-1

MATCH LINE SEE SHEET EX-2

SURVEY NOTES

- This Map has been prepared pursuant to the Regulation of Connecticut State Agencies Section 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 Sept. 26, 1996.
- This Survey conforms to Class A-2.
- The Type of survey performed is a Limited Property / Boundary Survey, and is intended to be Improvement Location Survey.
- Boundary determination is based upon a Dependent Resurvey (see MAP REFERENCES and Record Deeds.)
- North Arrow is based on Map Reference # 1.
- This map is NOT VALID without a LIVE SIGNATURE and EMBOSSED SEAL.
- This map is NOT VALID if altered or used by any party other than the CT LAND SURVEYING, LLC.
- Property Lines Established according to Record Deeds as exist
- Physical Features Such as Stone Walls, Wire Fences, Monuments, Iron Pins or Pipes, Etc. taken under consideration to establish current deed lines.
- Underground Utility, Structure and facility Locations depicted and noted herein have been compiled, in part, from record mapping supplied by the respective utility companies or government agencies, from parole testimony and from other sources. These Locations must be considered as approximate in nature. Additionally, other such features may exist on the site, the existence of which are unknown to this firm. The size, location and existence of all such features must be field determined and verified by the appropriate authorities prior to construction. CALL BEFORE YOU DIG 1-800-922-4455.
- Elevations are based on NAVD 1988 DATUM.

MAP REFERENCES

- RECORD MAP NO # VOL.8, PAGE 377.
- RECORD MAP NO # 414.
- RECORD MAP NO # VOL.83, PAGE 24.
- RECORD MAP NO # VOL.50, PAGE 27.
- RECORD MAP NO # VOL.57, PAGE 06.
- RECORD MAP NO # VOL.64, PAGE 24.
- RECORD MAP NO # VOL.34, PAGE 51.
- PROPERTY SURVEY PREPARED FOR JOHN DART LONG HILL ROAD, EAST HAMPTON, CT SCALE 1" = 40' DATED JANUARY 07, 1993 BY DUTCH & ASSOCIATES.

**IMPORTANT! READ!
WARNING AND DISCLAIMER OF LIABILITY
UNDERGROUND UTILITIES**

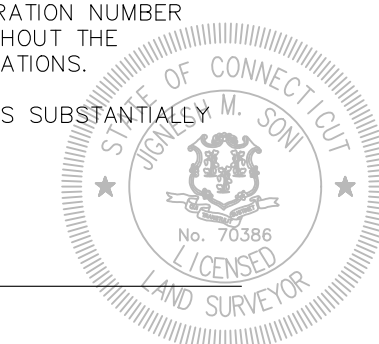
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NO DECLARATION IS EXPRESSED OR IMPLIED BY THIS MAP OR COPIES THEREOF UNLESS IT BEARS THE IMPRESSION TYPE SEAL AND ORIGINAL LIVE SIGNATURE OF THE SURVEYOR WHOSE NAME AND REGISTRATION NUMBER APPEAR BELOW. ANY CHANGES MADE TO THIS PLAN WITHOUT THE KNOWLEDGE OF THE SIGNERS INVALIDATES THESE DECLARATIONS.

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS DEPICTED AND NOTED HEREON.

Jignesh M. Soni
JIGNESH M. SONI, P.L.S. 70386



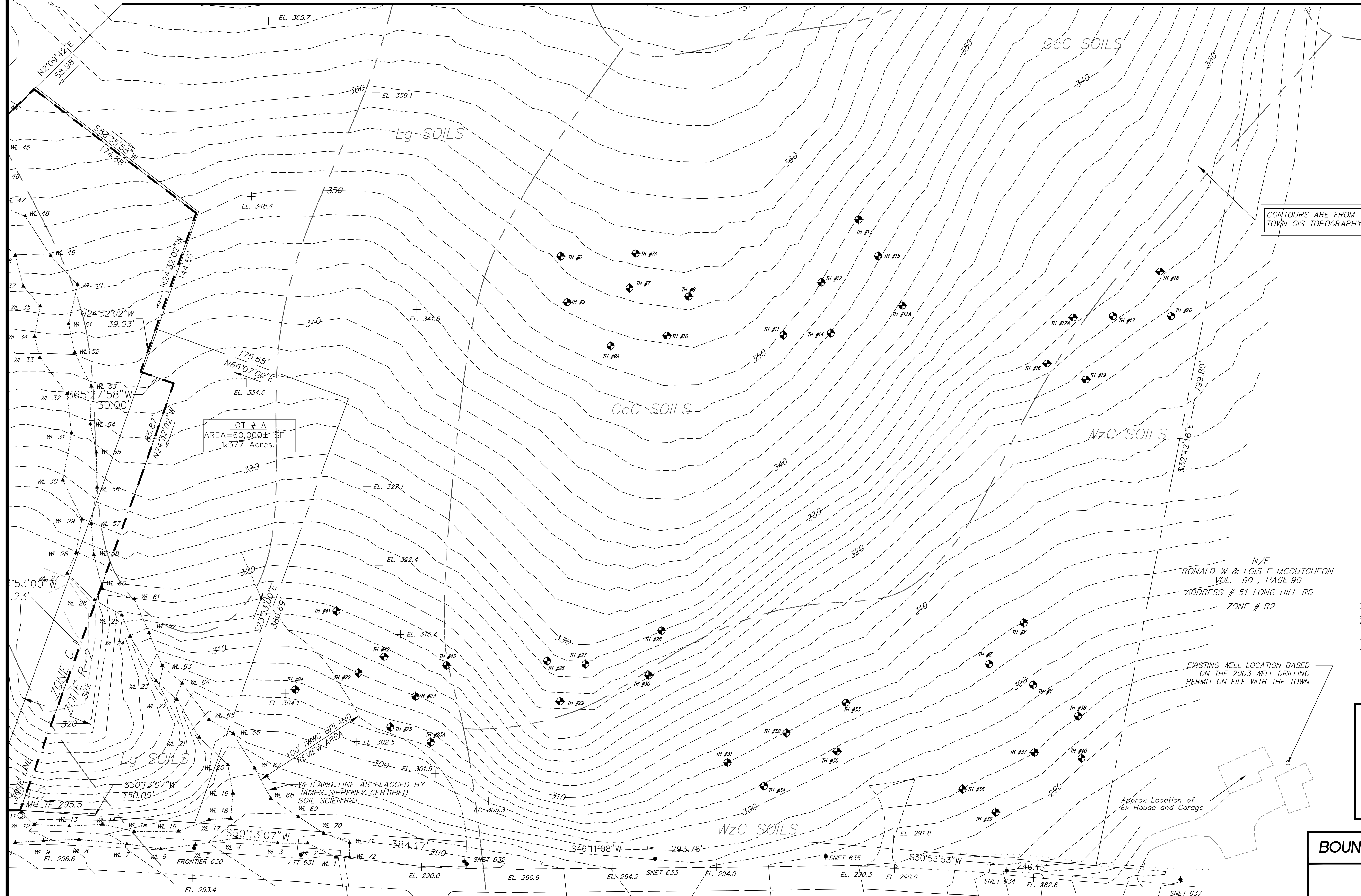
CT LAND SURVEYING, LLC
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LAND SURVEYING | LAND PLANNING
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BOUNDARY AND TOPOGRAPHIC SURVEY

**LONG HILL ESTATES
53 LONG HILL ROAD
EAST HAMPTON, CONNECTICUT**

Robert V. Baltramaitis, P.E.
27 Tammy Hill Road
Wallingford, Connecticut 06492
(203) 915-8301

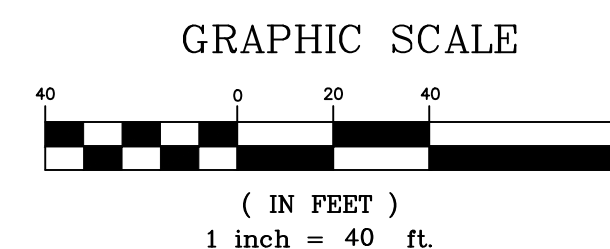
DATE: 3/17/2021 SCALE: 1" = 40' SHT #: EX-1



WETLAND CERTIFICATION:

The inland wetlands and/or watercourses are accurately shown on this map as delineated on this site.

James Sipperly Dated



#	DATE	DESCRIPTION

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2. RECORD MAP NO # 414.
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SURVEY NOTES

1. This Map has been prepared pursuant to the Regulation of Connecticut State Agencies Section 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 Sept. 26, 1996.
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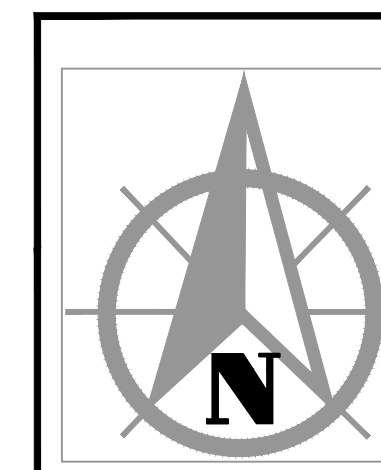
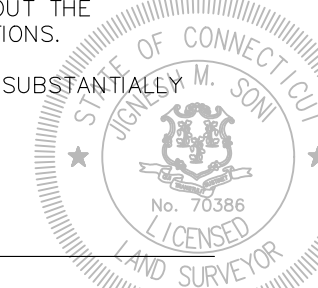
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Jignesh M. Soni

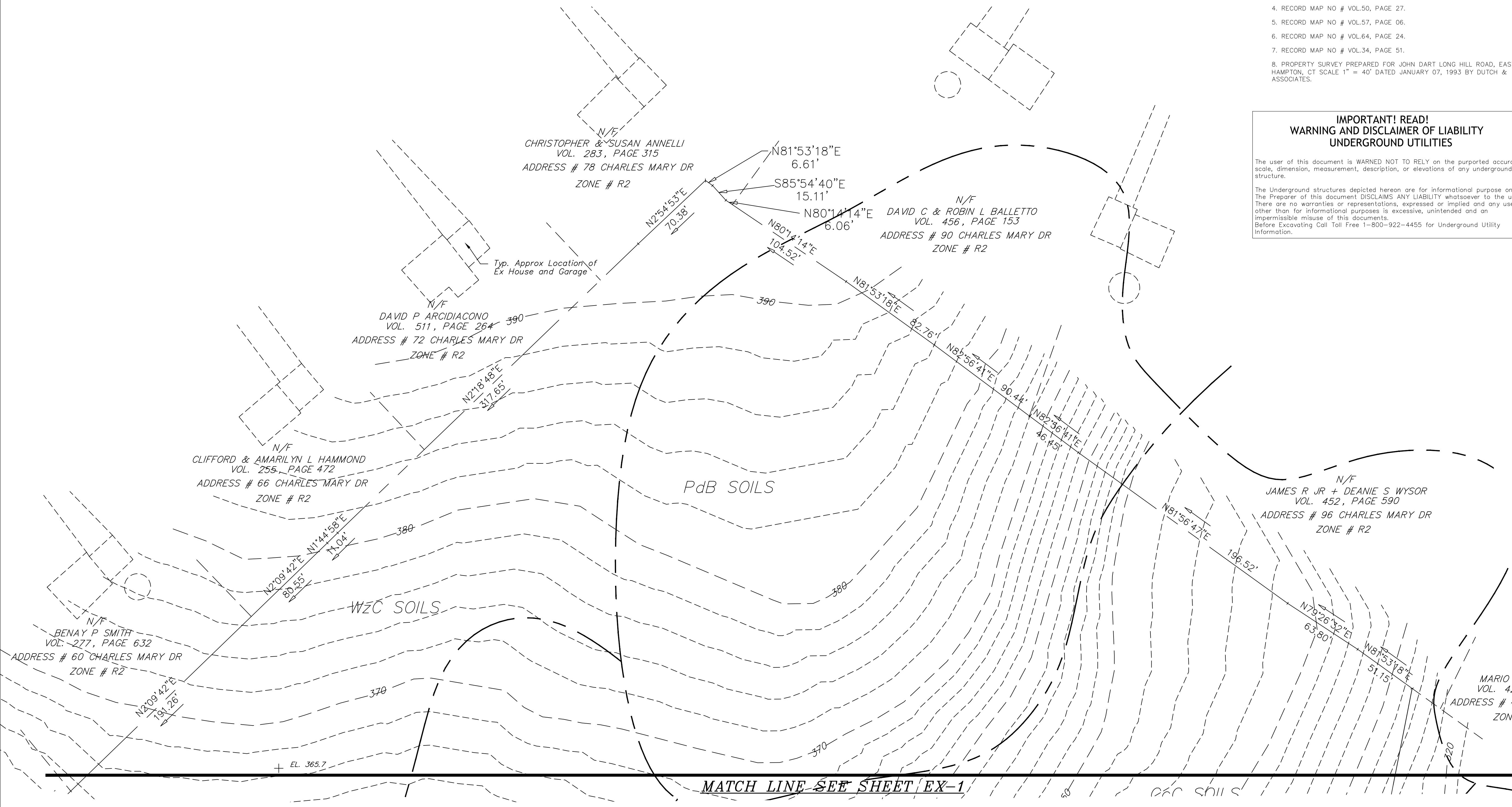
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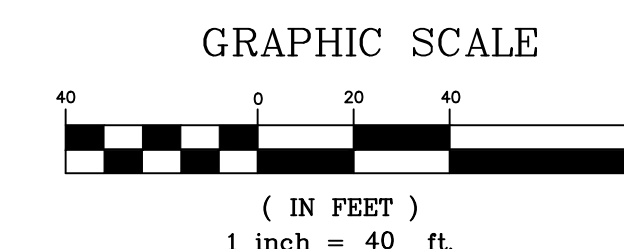


MATCH LINE SEE SHEET EX-1

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53 LONG HILL ROAD
EAST HAMPTON, CONNECTICUT**

Robert V. Baltramaitis, P.E.
**27 Tammy Hill Road
Wallingford, Connecticut 06492
(203) 915-8301**

DATE: 3/17/2021 SCALE: 1" = 40' SHT #: EX-2

Parcel A-1
63,550 S.F.
1.46 ACRES

LOT #6
122,182 S.F.
2.80 ACRES

LOT #3
125,708 S.F.
2.89 ACRES

LOT #2
122,436 S.F.
2.81 ACRES

LOT # A
AREA=60,000± SF
1.377 Acres.

Lot pending for zone change

LOT #7
77,223 S.F.
1.77 ACRES

LOT #5
60,269 S.F.
1.38 ACRES

LOT #4
60,130 S.F.
1.38 ACRES

LOT #1
60,047 S.F.
1.38 ACRES

N/F
RONALD W & LOIS E MCCUTCHEON
VOL. 90, PAGE 90
ADDRESS # 51 LONG HILL RD
ZONE # R2

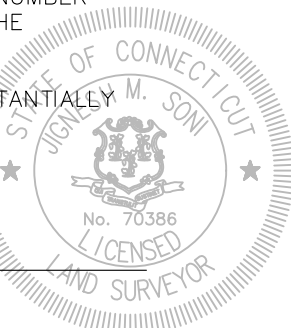
MAP REFERENCE:

1. PLEASE SEE SHEET EX-1 FOR ALL SURVEY MAP REFERENCES AND SURVEY NOTES.

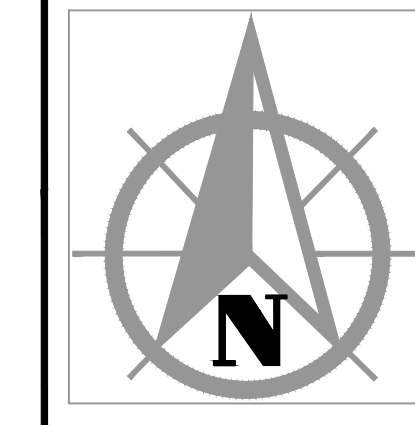
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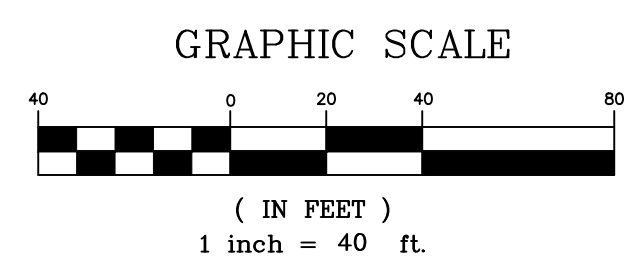
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EXISTING WELL LOCATION BASED ON THE 2003 WELL DRILLING PERMIT ON FILE WITH THE TOWN

Approx Location of Ex House and Garage

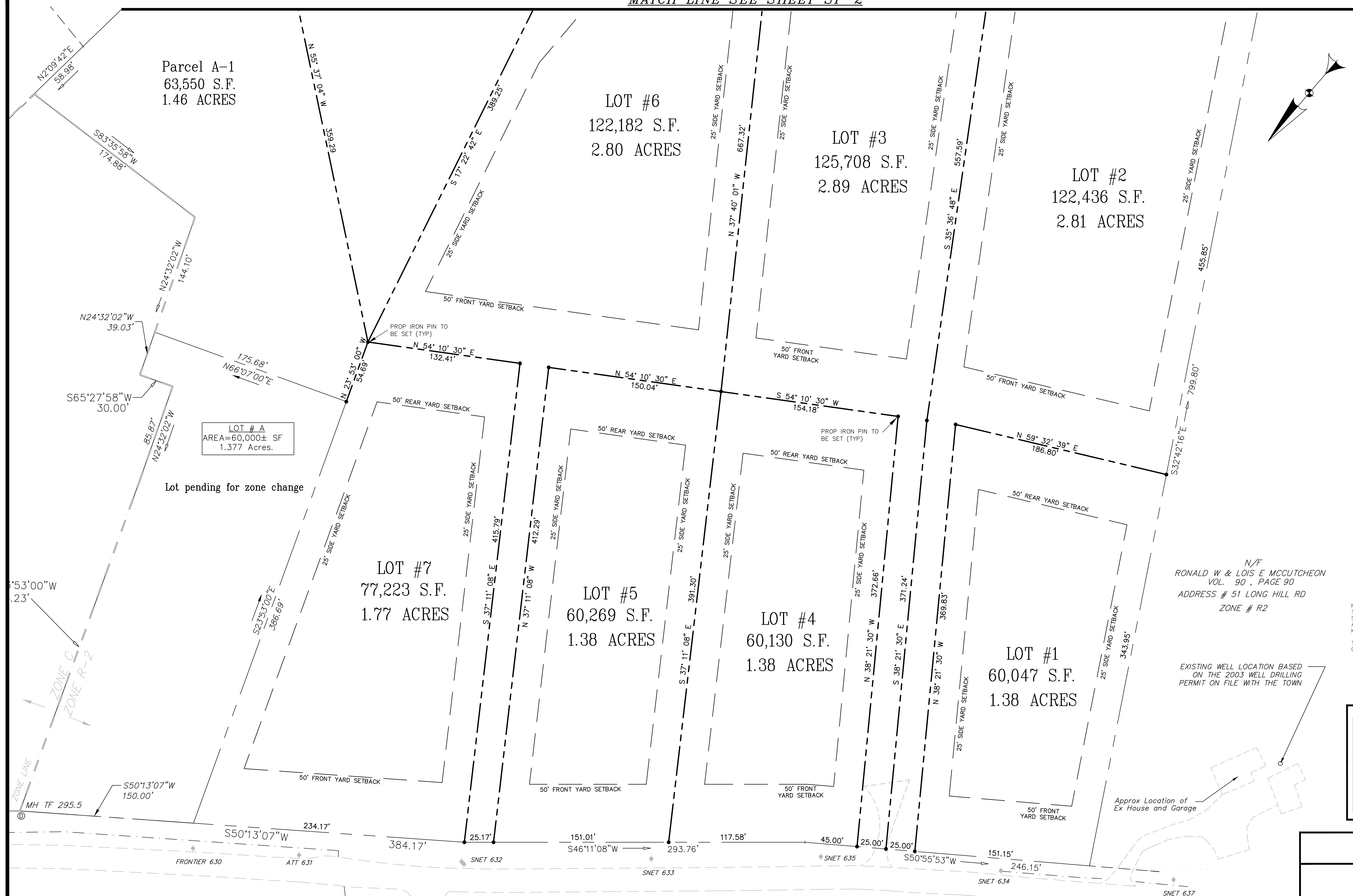
LONG HILL ROAD

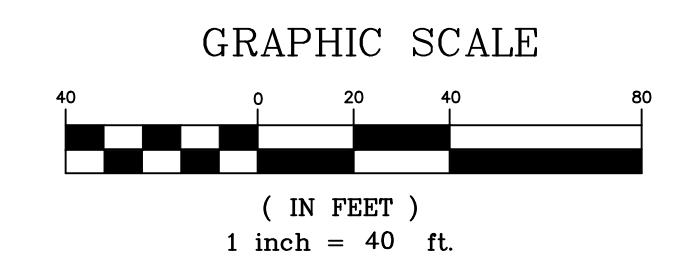
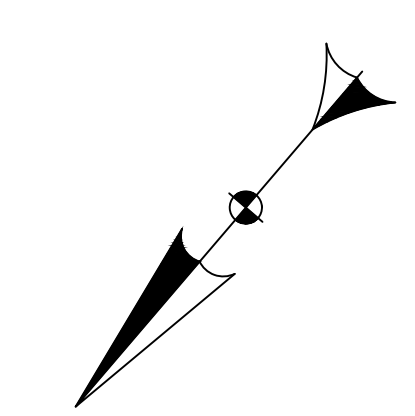
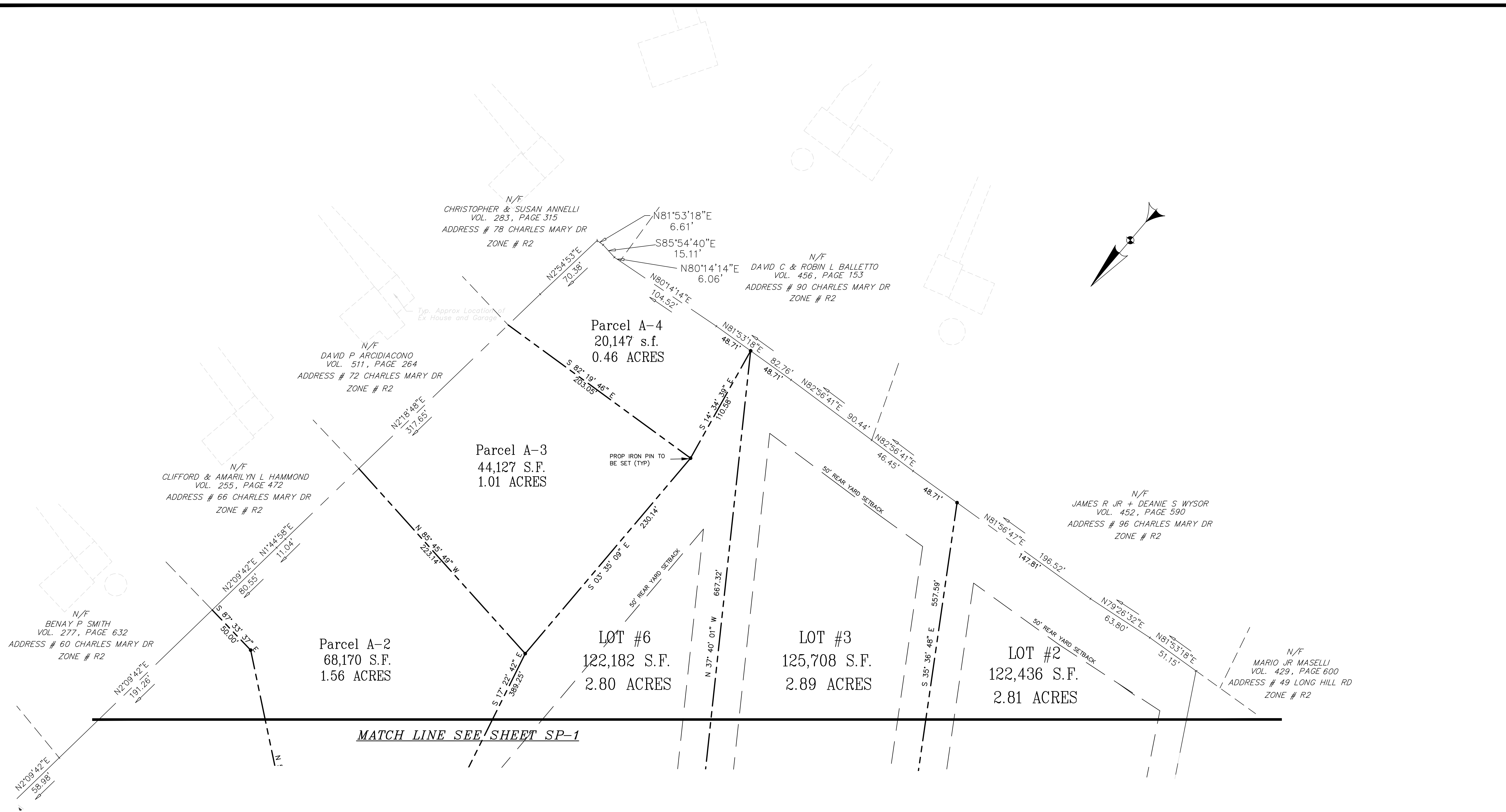


#	DATE	DESCRIPTION

SUBDIVISION PLAN
LONG HILL ESTATES
53 LONG HILL ROAD
EAST HAMPTON, CONNECTICUT
Robert V. Baltramaitis, P.E.
27 Tammy Hill Road
Wallingford, Connecticut 06492
(203) 915-8301

DATE:	3/17/2021	SCALE:	1" = 40'	SHT #:	SP-1
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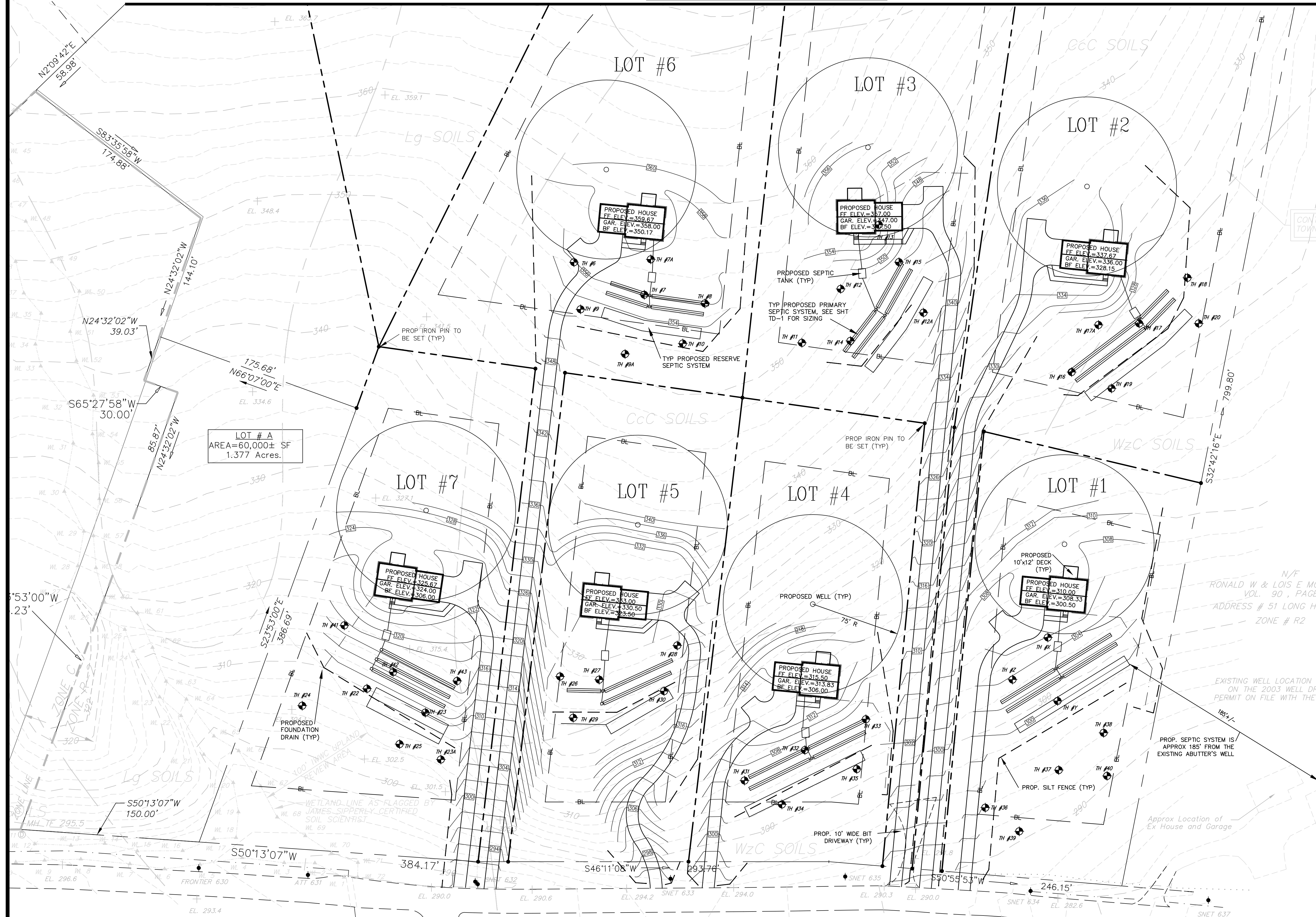
LONG HILL ESTATES A 7 LOT SINGLE FAMILY SUBDIVISION	
SUBDIVISION PLAN	
LONG HILL ESTATES MAP 06, BLK 12, LOT 08 53 LONG HILL ROAD EAST HAMPTON, CONNECTICUT	
DATE:	3/17/2021
SCALE:	1" = 40'
SHT #:	SP-2

#	DATE	DESCRIPTION

MATCH LINE SEE SHEET GU-2

GRADING AND UTILITY NOTES:

1. THIS DRAWING IS INTENDED TO DEMONSTRATE THAT THE PROPOSED LOTS CAN SUPPORT A SINGLE FAMILY RESIDENTIAL HOUSE ALONG WITH THE REQUIRED SEPTIC, WELL AND DRIVEWAY AS NECESSARY AND MEETING LOCAL AND STATE REGULATIONS. EACH LOT WILL HAVE TO SUBMIT FOR INDIVIDUAL BUILDING PERMITS PRIOR TO ANY CONSTRUCTION.
2. THE APPLICANT/DEVELOPER WILL BE RESPONSIBLE FOR THE SETTING OF THE IRON PINS AS SHOWN ON THESE PLANS. NO OTHER CONSTRUCTION IS PROPOSED OR REQUIRED WITH THIS SUBDIVISION APPLICATION.
3. ALL NEW UTILITIES, INCLUDING CATV, SHALL BE LOCATED UNDERGROUND.
4. THE PROPERTY IS LOCATED IN THE ZONE X FLOOD PLAN AS DEFINED AS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.2 PERCENT ANNUAL CHANCE FLOOD PLAN AS REFERENCED FROM THE FLOOD INSURANCE RATE MAP PANEL 141 OF 450, MAP NUMBER 0900700141G, EFFECTIVE DATE AUGUST 28, 2008.
5. ADDITIONAL SOIL TESTING MAY BE REQUIRED ON LOTS PRIOR TO CONSTRUCTION THAT THE PROPOSED LEACHING SYSTEM IS DESIGNED OUTSIDE OF THE SOIL TESTING AREA.



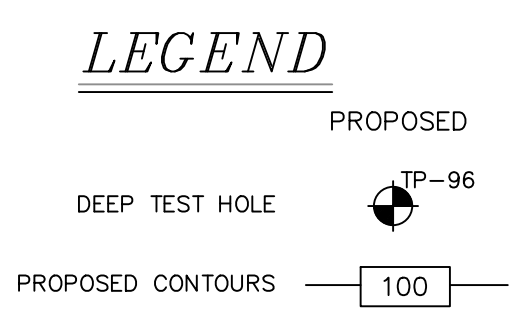
CONTOURS ARE FROM TOWN GIS TOPOGRAPHY

N/F RONALD W & LOIS E MCCUTCHEON VOL. 90, PAGE 90 ADDRESS # 51 LONG HILL RD ZONE # R2

EXISTING WELL LOCATION BASED ON THE 2003 WELL DRILLING PERMIT ON FILE WITH THE TOWN

PROP. SEPTIC SYSTEM IS APPROX 185' FROM THE EXISTING ABUTTER'S WELL

Approx Location of Ex House and Garage

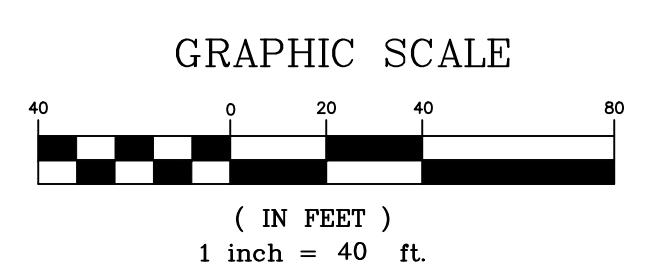


GRADING AND EROSION CONTROL PLAN

LONG HILL ESTATES
53 LONG HILL ROAD
EAST HAMPTON, CONNECTICUT

Robert V. Baltramaitis, P.E.
 27 Tammy Hill Road
 Wallingford, Connecticut 06492
 (203) 915-8301

DATE: 3/17/2021 SCALE: 1" = 40' SHT #: **GU-1**

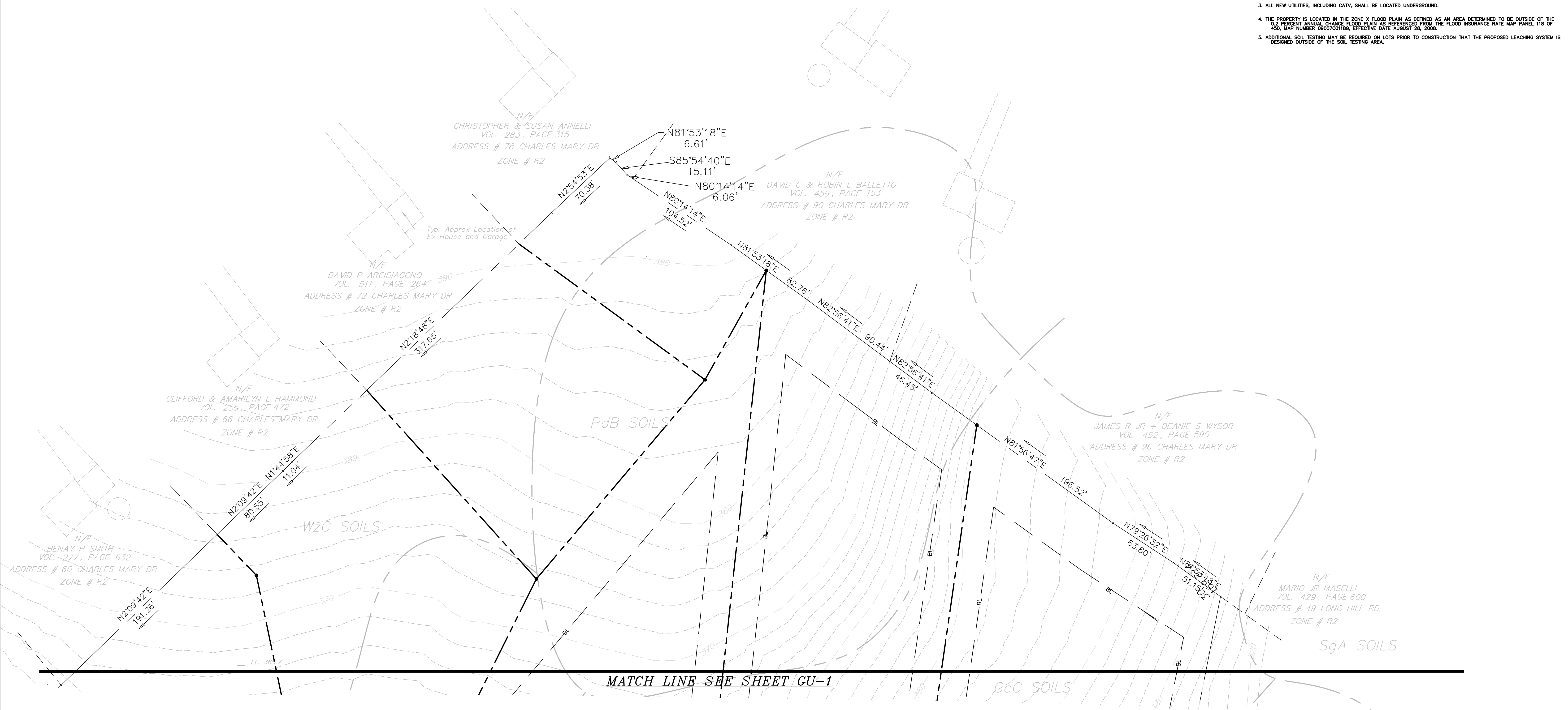


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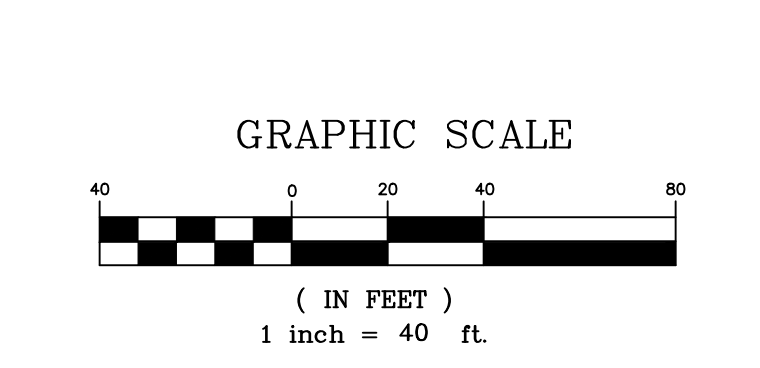
LONG HILL ROAD

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5. ADDITIONAL SOIL TESTING MAY BE REQUIRED ON LOTS PRIOR TO CONSTRUCTION THAT THE PROPOSED LEACHING SYSTEM IS DESIGNED OUTSIDE OF THE SOIL TESTING AREA.



MATCH LINE SEE SHEET GU-1



#	DATE	DESCRIPTION

GRADING AND EROSION CONTROL PLAN		
LONG HILL ESTATES 53 LONG HILL ROAD EAST HAMPTON, CONNECTICUT		
<i>Robert V. Baltramaitis, P.E.</i> 27 Tammy Hill Road Wallingford, Connecticut 06492 (203) 915-8301		
DATE:	SCALE:	SHT #:
3/17/2021	1" = 40'	GU-2

Figure PS-3 Seed Mixtures for Permanent Seeding

No.	Seed Mixture (Variety) ⁴	Lbs/Acre	Lbs/1,000 Sq. Ft.
1 ⁵	Kentucky Bluegrass	20	.45
	Creeping Red Fescue (Pennawn, Wintergreen)	20	.45
	Perennial Ryegrass (Norica, Manhattan)	5	.10
	Total	45	1.00
2 ⁶	Creeping Red Fescue (Pennawn, Wintergreen)	20	.45
	Redtop (streaker, Common)	2	.05
	Tall Fescue (Kentucky 31) or Smooth Bromegrass (Sarotoga, Lincoln)	20	.45
	Total	42	.95
3 ⁶	Creeping Red Fescue (Pennawn, Wintergreen)	20	.45
	Bird's-foot Trefoil (Empire, Viking) with inoculant ¹	8	.20
	Tall Fescue (Kentucky 31) or Smooth Bromegrass (Sarotoga, Lincoln)	20	.45
	Total	48	1.10
4 ⁶	Creeping Red Fescue (Pennawn, Wintergreen) or Tall Fescue (Kentucky 31)	20	.45
	Redtop (Streaker, Common)	2	.05
	Bird's-foot Trefoil (Empire, Viking) with inoculant ¹	8	.20
	Total	30	.70
5 ⁶	White Clover	10	.25
	Perennial Ryegrass	2	.05
		Total	12
6 ⁶	Creeping Red Fescue	10	.50
	Redtop (streaker, Common)	2	.05
	Perennial Ryegrass	20	.50
	Total	42	1.05
7 ⁶	Smooth Bromegrass (Sarotoga, Lincoln)	15	.35
	Perennial Ryegrass (Norica, Manhattan)	5	.10
	Bird's-foot Trefoil (Empire, Viking) with inoculant ¹	10	.25
	Total	30	.70
8 ⁶	Switchgrass (Blackwell, Shelter, Cave-in-rock)	10 ¹	.25
	Weeping Lovegrass	3	.07
	Little Bluestem (Blaze, Aldous, Camper)	10 ¹	.25
	Total	23	.57
9 ⁶	Creeping Red Fescue (Pennawn, Wintergreen)	10	.25
	Crown Vetch (Chemung, Pennigt) with inoculant ¹	15	.35
	(or Flatpea (Lathco) with inoculant ¹)	30	(.75)
	Total	45	1.00 (or 1.40)
10 ⁶	Creeping Red Fescue (Pennawn, Wintergreen)	20	.45
	Redtop (streaker, Common)	2	.05
	Crown Vetch (Chemung, Pennigt) with inoculant (or Flatpea (Lathco) with inoculant)	15	.35
	Total	37 (or 30)	.85 (or 1.25)
11 ⁶	Bird's-foot Trefoil (Empire, Viking) with inoculant ¹	8	.20
	Crown Vetch (Chemung, Pennigt) with inoculant ¹	15	.35
	Creeping Red Fescue (Pennawn, Wintergreen) or Tall Fescue (Kentucky 31)	10	.25
	Total	45	1.05
12 ⁶	Switchgrass (Blackwell, Shelter, Cave-in-rock)	10 ¹	.25
	Perennial Ryegrass (Norica, Manhattan)	5	.10
	Crown Vetch (Chemung, Pennigt) with inoculant ¹	15	.35
	Total	45	1.05
13-15	Not used		
16 ⁶	Tall Fescue (Kentucky 31)	20	.45
	Flatpea (Lathco) with inoculant ¹	30	.75
		Total	50
17 & 18	Not used		
19 ⁶	Chewing Fescue	35	.80
	Hard Fescue	30	.70
	Colonial Bentgrass	5	.10
	Total	100	2.3
21 ⁶	Creeping Red Fescue (Pennawn, Wintergreen)	40	.90
	Redtop (streaker, Common)	2	.05
	Tall Fescue (Kentucky 31)	20	.45
	Total	60	1.35
23 ⁶	Creeping Red Fescue (Pennawn, Wintergreen)	15	.35
	Flatpea (Lathco) with inoculant ¹	30	.75
		Total	45
24-28	Not used		
29	Turf Type Tall Fescue (Bonanza, Mustang, Rebel II, Spartan, Juguor) or Perennial Ryegrass ("Future 2000" mix, Fiesta II, Blazer II, and Dasher II)	175 to 250	6 to 8

Species ⁴	Seeding Rates (pounds/1000 sq. ft.)	Optimum Seed Depth (Inches)	Optimum Seeding Dates ³										Plant Characteristics		
			3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15					
Annual ryegrass Lolium multiflorum	40	1.0	0.5												May be added in mixes. Will mow out of most stands.
Perennial ryegrass Lolium perenne	40	1.0	0.5												Use for winter cover. Tolerates cold and low moisture.
Winter rye Secale cereale	120	3.0	1.0												Quick germinating and heavy spring growth. Dies back in June with little regrowth.
Oats Avena sativa	86	2.0	1.0												In northern CT. will winter kill with the first killing frost and may through-out the state in severe winters.
Winter wheat Triticum aestivum	120	3.0	1.0												Quick germination with moderate growth. Dies back in June with no regrowth.
Millet Echinochloa crusgalli	20	0.5	1.0												Warm season small grain. Dies with frost in September.
Sudangrass Sorghum sudanense	30	0.7	1.0												Tolerates warm temperatures and droughty conditions.
Sudangrass Sorghum sudanense	15	0.4	1.0												Hardy plant that will reseed itself and is good as a green manure crop.
Weeping Lovegrass Eragrostis curvula	5	0.2	0.25												Warm-season perennial. May bunch. Tolerates hot, dry slopes, acid infertile soils. Excellent nurse crop. Usually winter kills.
DOT All Purpose Mix ²	150	3.4	0.5												Suitable for all conditions.

1 May be planted throughout summer if soil moisture is adequate or can be irrigated. Fall seeding may be extended 15 days in the coastal towns.
 2 Seed at twice the indicated depth for sandy soils.
 3 See Permanent Seeding Figure PS-3 for seeding mixture requirements.
 4 Listed species may be used in combinations to be obtain a broader time spectrum. If used in combinations, reduce each species planting rate by 20% of that listed.

WETLANDS APPLICATION DATA

- This project involves the development of 18.9 acres of land into a 7 lot single family residential subdivision.
- The wetlands were delineated by James Slippery Certified Soil Scientist on November 14, 2020.
- There is no disturbance of any inland wetlands soil proposed with this application. There is approximately 900 sq. ft. of disturbance within the 100' upland review are. The regulated areas to be protected by the use of erosion control measures during construction and the finished surfaces such as grass and pavement.

EROSION CONTROL INTENT

- THE EROSION CONTROL PLAN IS INTENDED TO MINIMIZE THE MOVEMENT OF MATERIAL INTO ADJACENT WETLANDS AND WATERCOURSES BY ONE OR MORE OF THE FOLLOWING:
- LIMIT THE TIME OF BARE SOIL EXPOSURE. ONCE EXCAVATION OR FILL HAS BEEN COMPLETED AND WITHOUT WAITING UNTIL THE ENTIRE SITE IS READY, PROVIDE SOME TYPE OF GROUND COVER AS SPECIFIED. INSTALL MULCH, PAVEMENT, TEMPORARY SEEDING, OR PERMANENT SEEDING. SLOPES SHOULD BE PERMANENTLY SEED AS SOON AS FORMING IS COMPLETED.
 - THE USE OF MULCH, TEMPORARY SEEDING OR JUTE MESH WILL BIND THE SOIL BY ABSORBING AND SPREADING HEAVY RAIN CONCENTRATIONS AND MINIMIZING EROSION.
 - A TEMPORARY LINING SHOULD BE USED IN THE BOTTOM OF SWALES TO SLOW VELOCITY OF THE STORMWATER AND PREVENT EROSION. THIS ALSO SETTLES OUT MANY OF THE FINE SILTS. SEE SWALE CHART FOR CHANNEL LINING DETAILS. CONTROL OF SHEET FLOW.
 - THE USE OF SILT FENCE ANCHORED AS REQUIRED, WILL CONTROL SHEET FLOW AS LONG AS THE WATER VOLUME IS NOT GREAT. IN SOME CASES, WHERE THE FLOW IS GREAT ENOUGH, THE FENCE SHOULD BE BACKED UP BY HAY BALES TO PROVIDE STRENGTH AGAINST THE FENCE TIPPING OVER DUE TO THE WATER VOLUME. ACCUMULATED SILT SHOULD BE PERIODICALLY CLEANED FROM IN FRONT OF THE SILT FENCE AND BURIED.
 - THE CONTROL AND REMOVAL OF ALL SILT IS NOT POSSIBLE, BUT BY CAREFUL APPLICATION OF THE REQUIREMENTS OF THIS PLAN COMBINED WITH CONTRACTOR CONCERN WILL GREATLY IMPROVE THE QUALITY OF BOTH THE SITE AREAS AND THE OFF-SITE AREAS.

CONSTRUCTION TIME SCHEDULE

- Construction of individual lots will vary upon future sale, but the following guidelines shall be followed.
- All erosion control measures shall be in place and inspected prior to start of construction.
- STOCKPILE AREAS: Loom and fill stockpile areas shall be seeded per the temporary seeding schedule as soon as possible with minimal disturbance after that time, until the material is required for individual lots. All areas of the site not finished graded shall be seeded per the temporary seeding schedule.
- All erosion control measures will remain in place until final signout from the Town E&S Inspector.

Septic System Notes:

- THE BUILDING SEWER PIPE SHALL BE 4" SCH 40 PVC SET AT A MINIMUM SLOPE OF 1/4" PER FOOT. THE PIPE SHALL BE LAID TRUE TO THE GRADE IN A SAND BED AND BACKFILLED WITH MATERIAL FREE OF LARGE OR JAGGED STONES.
- THE PRE-CAST CONCRETE SEPTIC TANK SHALL HAVE A CAPACITY OF AT LEAST 1,250 GALLONS. THE TANK SHALL HAVE TWO CHAMBERS, THE FIRST OF WHICH SHALL HOLD 3/4 THE REQUIRED TOTAL CAPACITY.
- THE SEPTIC TANK SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE CONNECTICUT PUBLIC HEALTH CODE, LATEST REVISION. THE TANK SHALL HAVE A NON-BYPASS EFFLUENT FILTER AT THE OUTLET AND POLYETHYLENE GASKETS AT THE INLET AND OUTLET.
- THE DISTRIBUTION PIPE FROM THE TANK TO THE DISTRIBUTION BOX OR LEACHING CHAMBERS SHALL BE 4" PVC CONFORMING TO ASTM 3034 SDR35 WITH INTEGRAL RUBBER COMPRESSION GASKETS. PIPE SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1%.
- THE DISTRIBUTION BOXES SHALL BE PRE-CAST CONCRETE SUITABLE FOR HS-20 LOADING WITH WATER-TIGHT GASKETS AND SET LEVEL FOR EVEN DISTRIBUTION, OR APPROVED EQUAL. D-BOXES SHALL HAVE INSPECTION COVERS TO GRASS.
- THE INFILTRATOR QUICK 4 PLUS HIGH CAPACITY CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE PUBLIC HEALTH CODE AND THIS PLAN, INCLUDING THE DETAILS PROVIDED. UNITS SHALL BE BACKFILLED WITH APPROVED BACKFILL IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS PROVIDED. A MINIMUM OF 14" OF COVER MUST BE MAINTAINED FOR HS-20 LOAD RATING. ANY DEVIATION IN THE SPECIFIED PRODUCT SHALL BE REVIEWED BY THE DESIGN ENGINEER AS IT MAY AFFECT THE REQUIRED LEACHING FIELD SIZE.
- "APPROVED AGGREGATE" IS CRUSHED OR BROKEN STONE, OR SCREENED GRAVEL CONFORMING TO CONNECTICUT DEPARTMENT OF TRANSPORTATION, FORM 816, SECTION M01.01 FOR NO. 4 STONE:

SIEVE	% PASSING (BY WT.)
2"	100%
1 1/2"	90-100%
1"	20-55%
3/4"	0-15%
3/8"	0-5%
#40	0-3%
#200	0-1.5%
- "SELECT FILL" SHALL BE USED TO FILL VOIDS WITHIN THE LEACHING AREA. THE IMPORTED "SELECT FILL" SHALL BE CLEAN SAND OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND OTHER FOREIGN SUBSTANCES. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE 3" SIEVE. UP TO 45% OF THE DRY WEIGHT OF THE SAMPLE MAY BE RETAINED ON THE #4 SIEVE. THE MATERIAL PASSING IS RE-WEIGHED AND SIEVE ANALYSIS STARTED AND SHALL CONFORM TO THE FOLLOWING CRITERIA:

SIEVE	DRY SIEVE (% PASSING)
#4	100%
#10	70-100%
#40	10-75%
#100	0-5%
#200	0-2.5%
- GEOTEXTILE, WHEN SPECIFIED, SHALL BE NON-WOVEN FABRIC CONFORMING TO ASTM D 5261, ASTM D 4941 AND ASTM D 4533 MEETING THE REQUIREMENTS OF THE STATE PUBLIC HEALTH CODE.

The Quick4 Plus High Capacity Chamber

Quick4 Plus™ Series

The Quick4 Plus High Capacity Chamber offers maximum strength through its two center structural columns. This chamber can be installed in a 36-inch-wide trench. Like the original line of Quick4 chambers, it offers advanced contouring capability with its Contour Swivel Connection™ which permits turns up to 15-degrees, right or left. It is also available in four-foot lengths to provide optimal installation flexibility. The Quick4 Plus All-In-One 12 Endcap, and the Quick4 Periscope are available with this chamber, providing increased flexibility in system configurations.

Quick4 Plus High Capacity Chamber Benefits:

- Two center structural columns offer increased stability and superior strength
- Advanced contouring connections
- Latching mechanism allows for quick installation
- Four-foot chamber lengths are easy to handle and install
- Supports wheel loads of 16,000 lbs/axle with 12" of cover

Quick4 Plus All-in-One 12 Endcap Benefits:

- May be used at the end of chamber row for an inlet/outlet or can be installed mid-trench
- Mid-trench connection feature allows construction of chamber rows with center feed, as an alternative to inletting at the ends of chamber rows
- Center-feed connection allows for easy installation of serial distribution systems
- Pipe connection options include sides, ends or top

Quick4 Plus All-in-One Periscope Benefits:

- Allows for raised invert installations
- 180° directional inletting
- 12" raised invert is ideal for serial applications

Approved by: International Association of Plumbing and Mechanical Officials (APMO) [APMO Logo]

Quick4 Plus Standard and Quick4 Plus High Capacity Installation Instructions

Quick4 Plus Standard and **Quick4 Plus High Capacity** chambers may only be installed according to State and/or local regulations. If unsure of the installation requirements for a particular site, contact the local health department. Like conventional systems, the soil and site conditions must be assessed prior to installation. Conduct a thorough site evaluation to determine the proper sizing and siting of the system before installation.

Materials and Equipment Needed

- Quick4 Plus chambers
- Quick4 Plus All-In-One 12 Endcaps
- PVC pipe and couplings
- Backhoe
- Laser, transit or level
- Shovel and rake
- Tape measure
- Screwdriver or utility knife
- Hole saw
- 2-inch drywall screws*
- Screw gun*
- Small valve-cover box*
- 4-inch cap for inspection port*
- Optional

These guidelines for construction machinery must be followed during installation.

- Avoid direct contact with chambers when using construction equipment. Chambers require a 12-inch minimum of compacted cover to support a wheel load rating of 16,000 lbs/axle or equivalent to an ASHRAE-10 load rating.
- Only drive across the trenches when necessary. Never drive down the length of the trenches.
- To avoid additional soil compaction, never drive heavy vehicles over the completed system.

EXCAVATING AND PREPARING THE SITE

NOTE: As is the case with conventional systems, do not install the systems in wet conditions or in overly moist soils, as this causes machinery to smear the soil.

- Stake out location of trenches and lines. Set elevations of the tank, pipe, and trench bottom.
- Install sedimentation and erosion control measures. Temporary drainage swales/berms may be installed to protect the site during rainfall events.
- Excavate and level 3-foot-wide trenches with proper center-to-center separation. Verify trenches are level or have prescribed slope.
- NOTE: Over excavate the trench width in areas where you are planning to contour.
- Raise bottom and sides if smearing has occurred while excavating. Remove any large stones and other debris. Do not use the bucket teeth to raise the trench bottom.
- Verify that each trench is level using a level, transit, or laser.

PREPARING THE QUICK4 PLUS ALL-IN-ONE 12 ENDCAPS

NOTE: The Quick4 Plus All-in-One 12 Endcap is compatible with the Quick4 Plus Standard and Quick4 Plus High Capacity chambers, and can be used on either end of the trench, depending upon the installer's preference and configuration requirements.

- With a hole saw drill a 4 1/4-inch opening
- Snap off the molded splash plate located on the bottom front of the endcap.
- Install splash plate into the appropriate slots below inlet to prevent trench bottom erosion.
- Place endcap (flat end).

INSTALLING THE SYSTEM

- Check the header pipe to be sure it is level or has the prescribed slope.
- Set the invert height as specified in the design from the bottom of the trench.
- Place the first chamber in the trench.
- Place the back edge of the endcap over the inlet end of
- Place the first chamber in the trench.
- Place the back edge of the endcap over the inlet end of

INSTALLATION DETAIL

1. Drill endcap.
 2. Snap off the splash plate.
 3. Place the first chamber in the trench.
 4. Place the back edge of the endcap over the inlet end of the chamber.
 5. Insert the inlet pipe.
 6. Connect chambers.

NOTE: When the chamber end is placed between the connector hook and locking pin at the top of the first chamber. Lower the chamber to the ground to connect the chambers. NOTE: The connector hook serves as a guide to ensure proper connection and does not add structural integrity to chambers, and broken hooks will not affect the structure or void the warranty.

SILT FENCE

EXISTING AREA TO BE PROTECTED

METAL DRIVE POST @ 8'-0" MAX. O.C.

ATTACH SILT FABRIC ON UPHILL SIDE OF POSTS AND BACKFILL OVER FABRIC

PROPEX SILT STOP FABRIC OR EQUAL

DIG 6"x6" TRENCH INSTALL FABRIC AND BACKFILL

SOIL TO BE RETAINED

NOTE: FOR SLOPES > 5:1; PERPENDICULAR WINGS PLACED EVERY 100' FOR SLOPES > 3:1 TO 5:1; PERPENDICULAR WINGS PLACED EVERY 75' FOR SLOPES > 2:1 TO 3:1; PERPENDICULAR WINGS PLACED EVERY 50'

1,250 GALLON SEPTIC TANK

N.T.S.

WEIGHT CHART

PRODUCT	APPROX. WEIGHT
1,250 GAL TANK	12,100 LBS.

SEDIMENTATION CONTROL BARRIER WITH HAY BALE BARRIER

N.T.S.

SEE HAYBALE INSTALLATION DETAIL

SILT FENCE SEE "SILT FENCE" AND "SILT FENCE INSTALLATION (S)" DETAILS

BACKFILL AND COMPACT THE EXCAVATED SOIL AS SHOWN ON THE UPHILL SIDE OF THE BARRIER TO PREVENT PIPING

INSTALLATION DETAIL

- BURY THE TOP END OF BLANKET STRIPS IN A TRENCH 6" INCHES OR MORE IN DEPTH.
- TAMP THE TRENCH FULL OF SOIL. SECURE WITH ROW OF STAPLES, 6 INCH SPACING, 4 INCHES DOWN FROM THE TRENCH.
- OVERLAP--BURY UPPER END OF LOWER STRIP AS IN "A" AND "B" OVERLAP END OF TOP STRIP 4 INCHES AND STAPLE.
- EROSION STOP--FOLD OF JUTE BURIED IN SILT TRENCH AND TAMPED. DOUBLE ROW OF STAPLES

4 INCH OVERLAP OF BLANKET STRIPS WHERE TWO OR MORE STRIPS WITH ARE REQUIRED. STAPLES ON 18 INCH CENTERS.

STAPLE OUTSIDE EDGE ON 2' CENTERS.

TYPICAL STAPLES NO. 8 GAUGE WIRE

1 1/2" 1 1/2"

12" COVER

8" INVERT

SPACING PER CODE

34" DIP WIDE TRENCH

INFLTRATOR SYSTEMS INC. QUICK 4 PLUS HIGH CAPACITY CHAMBER TYPICAL TRENCH DETAIL SECTION VIEW (NOT TO SCALE)

* LENGTH AND NUMBER OF TRENCHES DETERMINED BY DESIGN.

NOTE: BLANKET IS TO BE INSTALLED ON ANY FINISHED SLOPES THAT ARE A 3:1 OR GREATER

Figure PS-2 Selecting Seed Mix to Match Need

Area To Be Seeded	Mixture Number ¹	
	Mowing Desired	Mowing Not Req.
BORROW AREAS, ROADSIDE, DIKES, LEVEES, POND BANKS AND OTHER SLOPES AND BANKS		
A) Well or excessively drained soils ²	1,2,3,4,5, or 8	5,6,7,8,9,10,11
B) Somewhat poorly drained soils ²	2	12,16,22
C) Variable drainage soils ²	2	5,6
DRAINAGE DITCH AND CHANNEL BANKS		
A) Well or excessively drained soils ²	1,2,3 or 4	9,10,11,12
B) Somewhat poorly drained soils ²	2	
C) Variable drainage soils ²	2	
DIVERSIONS		
A) Well or excessively drained soils ²	2,3 or 4	9,10,11
B) Somewhat poorly drained soils ²	2	
C) Variable drainage soils ²	2	
GULLIED AND ERODED AREAS		
SOD WATERWAYS AND SPILLWAYS	1,2,3,4,6,7, or 8	1,2,3,4,6,7, or 8
SUNNY RECREATION AREAS (Picnic areas and playgrounds or driving and archery ranges, nature trails)		
LAWNS AND HIGH MAINTENANCE AREAS	1,19,21 or 29	

1 The numbers following in these columns refer to seed mixtures in Figure PS-3. Mixes for shady areas are in bold-face print (including mixes 20 through 24)
 2 See county soil survey for drainage class. Soil surveys are available from the County Soil and Water Conservation District Office.
 3 Use mix 26 when soil passing a 200 mesh sieve is less than 15% of total weight. Use mix 26 & 27 when passing a 200 mesh sieve is between 15 and 20% of total weight. Use mix 26, 27 & 28 when soil passing a 200 mesh is above 20% of total weight.

DETAIL SHEET

LONG HILL ESTATES
53 LONG HILL ROAD
EAST HAMPTON, CONNECTICUT

Robert V. Baltramaitis, P.E.
27 Tammy Hill Road
Wallington, Connecticut 06492
(203) 915-8301

#	DATE	DESCRIPTION	DATE:	SCALE:	SHT #:
		REVISIONS	3/17/2021	NTS	DN-1