

CONSTRUCTION CALLOUTS:			
1	PROP. LIMIT OF CONSTRUCTION / DISTURBANCE (TYP.). SAW-CUT LIMITS WHERE LIMIT OF DISTURBANCE IS ADJACENT TO EXIST. BIT. CONC. AREAS (TYP.).	5	EXIST. "NO PARKING" SIGNS TO BE REMOVED AND REINSTALLED AS / IF REQUIRED (TYP.).
2	REMOVE EXIST. BIT. CONC. WITHIN AREA SHOWN AND INSTALL NEW TOP SOIL AND GRASS.	5a	PROP. UNDERGROUND UTILITIES, EXACT LOCATION AND DEPTHS TO BE DETERMINED BY EACH INDIVIDUAL UTILITY COMPANY (TYP.).
3	PROP. HANDICAP VAN PARKING SPACE AND APPURTENANCES (CURB STOP, SIGN, MARKINGS, ETC.) SPACE TO BE INSTALLED PURSUANT TO ALL LOCAL, FEDERAL AND ADA REQUIREMENTS (TYP.).	6	LOAM (6" MIN.) AND SEED ALL DISTURBED AREAS AS SOON AS PRACTICAL (TYP.).
3a	PROP. NEW PARKING SPACE (10'W X 20'D), SPACE TO BE DESIGNATED WITH A 4" WHITE PAVEMENT MARKING (TYP.).	7	PROP. WATER SERVICE LATERAL FROM THE PROP. "TIE-IN" TO THE NEW E.O.C. EXACT LOCATION TO BE DETERMINED BY INSTALLER.
4	CONNECT NEW E.O.C. SERVICE LATERAL INTO THE EXIST. SERVICE LOCATED ON SITE.	8	EXIST. PORTION OF BARN TO BE REMOVED IN THE FUTURE.
		9	PROP. 1,000 GAL. UNDERGROUND PROPANE TANK AND APPURTENANCES, EXACT LOCATIONS (TANK, SERVICE LATERAL, ETC.) TO BE DETERMINED BY GAS UTILITY.
		10	PROP. CONC. GENERATOR PAD, EXACT SIZE TO BE DETERMINED BY OWNER PRIOR TO INSTALLATION.
		11	SOIL TESTING LOCATION (TYP.). REFER TO RESULTS ON SHEET D-1.
		12	REPAIR ALL BIT. CONC. AREAS WITH 8" PROCESS (TYP.).
		13	NEW U/G ELECTRIC AND WATER SERVICES TO DOG POUND. PROPER SEPARATION DISTANCES TO BE KEPT BETWEEN UTILITIES AND SEPTIC SYSTEM, TIE INTO & RELOCATED EXIST. SERVICES AS SHOWN (TYP.).
		14	SURFACE CODE SYMBOL. SEE LEGEND THIS SHEET (TYP.).
		15	6" SOLID PVC (ASTM D 3034, SDR 35) ROOF LEADER (TYP.).
		16	6" PERF. PVC (ASTM D 3034, SDR 35) FOUNDATION DRAIN (TYP.).
		17	6" SOLID PVC (ASTM D 3034, SDR 35) FND DRAIN OUTLET PIPE (TYP.). TIGHT PIPE W/GASKETED JOINTS WITHIN 25' OF SEPTIC.
		18	6" SOLID PVC (ASTM D3034, SDR 35) ROOF LEADER OUTLET PIPE (TYP.). TIGHT PIPE W/GASKETED JOINTS WITHIN 25' OF SEPTIC.
		19	LIMITS OF BIT CONCRETE PMWT WORK (TYP.). ALL LIMITS TO BE SAW-CUT PRIOR TO EXCAVATION. CONTRACTOR TO MINIMIZE AS MUCH BIT. CONCRETE PAVEMENT DISTURBANCE AS POSSIBLE. REPAIR ALL DISTURBED AREAS WITH 8" OF COMPACTED PROCESS AGGREGATE.
		20	PROP. INV. (TYP.) = 455.30 WITH 3"x3" RIP RAP SPLASH PAD AND ANTI RODENT SCREEN AT PIPE OUTLETS.

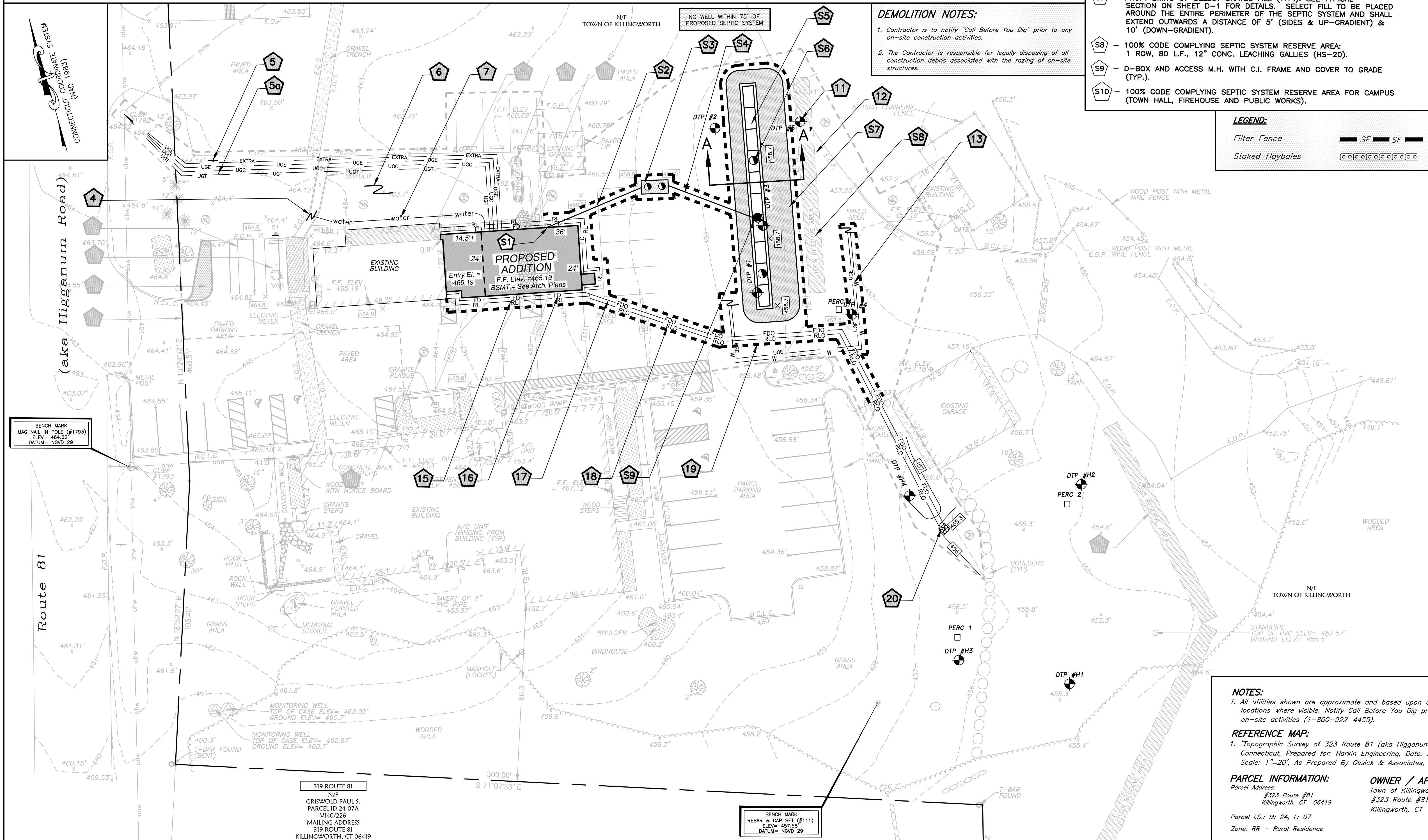
## SEPTIC SYSTEM CALLOUTS:

- S1 - SEPTIC INV. (OUT) = 458.75
- S2 - 37", 4" P.V.C. (ASTM D 1785, SCH 40) @ S=2.57%
- S3 - 1,000 GAL. 2 COMPARTMENT (HS-20) SEPTIC TANK W/ OUTLET FILTER AND CAST IRON WATERTIGHT M.H. FRAME AND COVER.  
ACCESS M.H. TO BE 24" WIDE (I.D.). COVERS TO EXTEND TO GRADE.
- S4 - 35", 4" P.V.C. (ASTM D 1785, SCH 40) @ S=1.00%.
- S5 - PROP. PRIMARY LEACHING SYSTEM: 1 ROW, 80 L.F., 12" CONC. LEACHING GALLIES (HS-20) WITH INSPECTION PORTS, BOT. EL.=356.25
- S6 - SEPTIC SYSTEM INSPECTION/MONITORING PORTS W/ CAST IRON WATERTIGHT M.H. FRAME AND COVER (TYP.).
- S7 - PROP. LIMITS OF SELECT GRAVEL FILL (TYP.). SEE TYPICAL SECTION ON SHEET D-1 FOR DETAILS. SELECT FILL TO BE PLACED UNDER THE ENTIRE PERIMETER OF THE SEPTIC SYSTEM AND SHALL EXTEND OUTWARDS A DISTANCE OF 5' (SIDES & UP-GRAIDENT) & 10' (DOWN-GRAIDENT).
- S8 - 100% CODE COMPLYING SEPTIC SYSTEM RESERVE AREA:  
1 ROW, 80 L.F., 12" CONC. LEACHING GALLIES (HS-20).
- S9 - D-BOX AND ACCESS M.H. WITH C.I. FRAME AND COVER TO GRADE (TYP.).
- S10 - 100% CODE COMPLYING SEPTIC SYSTEM RESERVE AREA FOR CAMPUS (TOWN HALL, FIREHOUSE AND PUBLIC WORKS).

Filter Fence      ■ SF ■ SF ■

Staked Haybales      ○○○○○○○○○○○

1. Contractor is to notify "Call Before You Dig" prior to any on-site construction activities.
2. The Contractor is responsible for legally disposing of all construction debris associated with the razing of on-site structures.



SURFACE CODE LEGEND		
SYMBOL	DESCRIPTION	CROSS SECTION
C <sub>2</sub>	CONCRETE SIDEWALK	<p>                     Broom finish, score logs @ 30 s.c. min. 1/4" expansion joints @ 30 s.c. min. 1/4" per foot cross slope                      4" 3,000 # cement concrete (3/4" stone)                      6" x 6" = 10/10 Washed river fabric                      4" Compacted gravel base                      Subgrade (common backfill)                 </p>
G	GRASS	<p>                     Lime, fertilizer and grass seed                      6" Min. topsoil (no stones larger than 3")                      Subgrade (common backfill)                 </p>
P	PROCESS AGGREGATE	<p>                     8" Processed aggregate, bank run gravel or existing reclaimed asphalt base (compacted)                      Subgrade (common backfill), compacted to 95% Optimum Density                 </p>

	REQUIRED	PROVIDED
MIN. LOT SIZE	2.00 A.C.	42.50 A.C.
FRONT YARD SETBACK (STRUCTURE)	40'	97'±
SIDE YARD SETBACK (NORTH)	30'	> 30'
SIDE YARD SETBACK (SOUTH)	30'	178'±
REAR YARD SETBACK	30'	> 30'
MAX. LOT COVERAGE	10.0%	1.4%
MAX. BUILDING HEIGHT	35'	< 35'
MAX. IMPERVIOUS COVERAGE	20.0%	5.2%

The Contractor is to only remove the bituminous concrete pavement required for the construction of the building addition, septic system and other E.O.C. appurtenances. The Contractor is to repair all areas where the exist. bit. conc. pavement has been removed with 8" of process aggregate.

1. All utilities shown are approximate and based upon actual field locations where visible. Notify Call Before You Dig prior to any on-site activities (1-800-922-4455).

1. "Topographic Survey of 323 Route 81 (aka Higginum Road), Killingworth Connecticut, Prepared for: Harkin Engineering, Date: 3/30/11, Scale: 1"=20', As Prepared By Gesick & Associates, P.C.

Parcel Address:  
#323 Route #81  
Killingworth, CT 06442

Parcel I.D.: M: 24, L: 07

Zone: RR - Rural Residence

Deed: Volume: 57, Page: 21

Town of Killingworth  
#323 Route #81  
Killingworth, CT 06419

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Michael P. Harkin
P.E. #22625

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
•	PROPERTY CORNER	○	DECIDUOUS TREE	—+—	GAS LINE
•	P / REBAR	⊗	CONFEROUS TREE	—+—	FLAME ZONE LINE
•	CONCRETE MON	⊙	SHRUB	□	PLANTY AREA
•	REIN. WARE	⊕	STUMP	□	GRASS AREA
•	UTILITY POLE	○	HEDGE	—+—	EXISTING BUILDING
○	UTILITY POLE W/ LIGHT	○	STONEWALL	—+—	SPOT ELEVATION
○	OUT WIRE	—+—	TREELINE	N/T	NOW OR FORMERLY
□	IRRI	○—○	FENCE LINE	—+—	ELEVATION
□	WATER VALVE	—+—	DISCHARGE LINE	(TYP)	TYPICAL
□	FIRE HYDRANT	—+—	PROPERTY LINE	C.M.P.	CORROGATED METAL PIPE
□	CATCH BASIN	—+—	PROPERTY LINE OTHER	R.C.P.	REINFORCED CONCRETE PIPE
□	MANHOLE	—+—	UNDERGROUND WIRES	C.P.P.	CORROGATED PLASTIC PIPE
□	WATER VALVE	—+—	WATER LINE	E.C.P.	EXT. COND. PIPE
□	WOOD POST	—+—	WETLANDS	B.C.C.L.	BETUMINOUS COATED UP CURB
□	WETLANDS FLAG	—+—	INDEX CONTOUR	INV	INVERT
□	YARD LIGHT	—+—	INTERMEDIATE CONTOUR	(TW)	TOP OF WALL
□	YARD LIGHT	—+—			

PARKING SCHEDULE – E.O.C. BLDG			
DESCRIPTION	USE	PARKING REQUIREMENT	SPACES REQUIRED
BUILDING (PROPOSED)	MEDICAL / EMERGENCY	ONE (1) SPACE FOR MAIN OCCUPANT AND FIVE (5) SPACES FOR PATIENTS / VISITORS	6
	TOTAL PARKING SPACES REQUIRED:		6
	TOTAL PARKING SPACES PROVIDED:		8
	HANDICAP SPACE PROVIDED:		1

PREPARED FOR  
TOWN OF KILLINGWORTH  
#323 ROUTE #81 (HIGGANUM ROAD)  
KILLINGWORTH, CONNECTICUT

 **Gesick & Associates P.C.**  
SURVEYORS † MAPPERS † PLANNERS  
Mailing Address: 19 Cedar Island Ave., Clinton Connecticut 06413  
Office: (860) 669-7799 Fax: (860) 669-5833

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JOB NO.	14-33	DRAWN BY	M.P.H.	DATE	8/26/14	SHEET NO.	SP-1
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