CONSTRUCTION CALLOUTS:

1. – PROP. LIMIT OF CONSTRUCTION / DISTURBANCE (TYP.). SAW-CUT LIMITS WHERE LIMIT OF DISTURBANCE IS ADJACENT TO EXIST. BIT. CONC. AREAS (TYP.).
2. – REMOVE EXIST. BIT. CONC. WITHIN AREA SHOWN AND INSTALL NEW TOP SOIL AND GRASS.
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).
3a. – PROP. NEW PARKING SPACE (10'W X 20'D). SPACE TO BE DESIGNATED WITH A 4" WHITE PAVEMENT MARKING (TYP.).
4. – CONNECT NEW E.O.C. SERVICE LATERAL INTO THE EXIST. SERVICE LOCATED ON SITE.
5. – EXIST. "NO PARKING" SIGNS TO BE REMOVED AND REINSTALLED AS / IF REQUIRED (TYP).
5a. – PROP. UNDERGROUND UTILITIES. EXACT LOCATION AND DEPTHS TO BE DETERMINED BY EACH INDIVIDUAL UTILITY COMPANY (TYP.).
6. – LOAM (6" MIN.) AND SEED ALL DISTURBED AREAS AS SOON AS PRACTICAL (TYP.).
7. – PROP. WATER SERVICE LATERAL FROM THE PROP. "TIE–IN" TO THE NEW E.O.C. EXACT LOCATION TO BE DETERMINED BY INSTALLER.
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.
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. – PROP. INV. (OUT) = 455.30 WITH 3'X3' RIP RAP SPLASH PAD AND ANTI RODENT SCREEN AT PIPE OUTLETS.

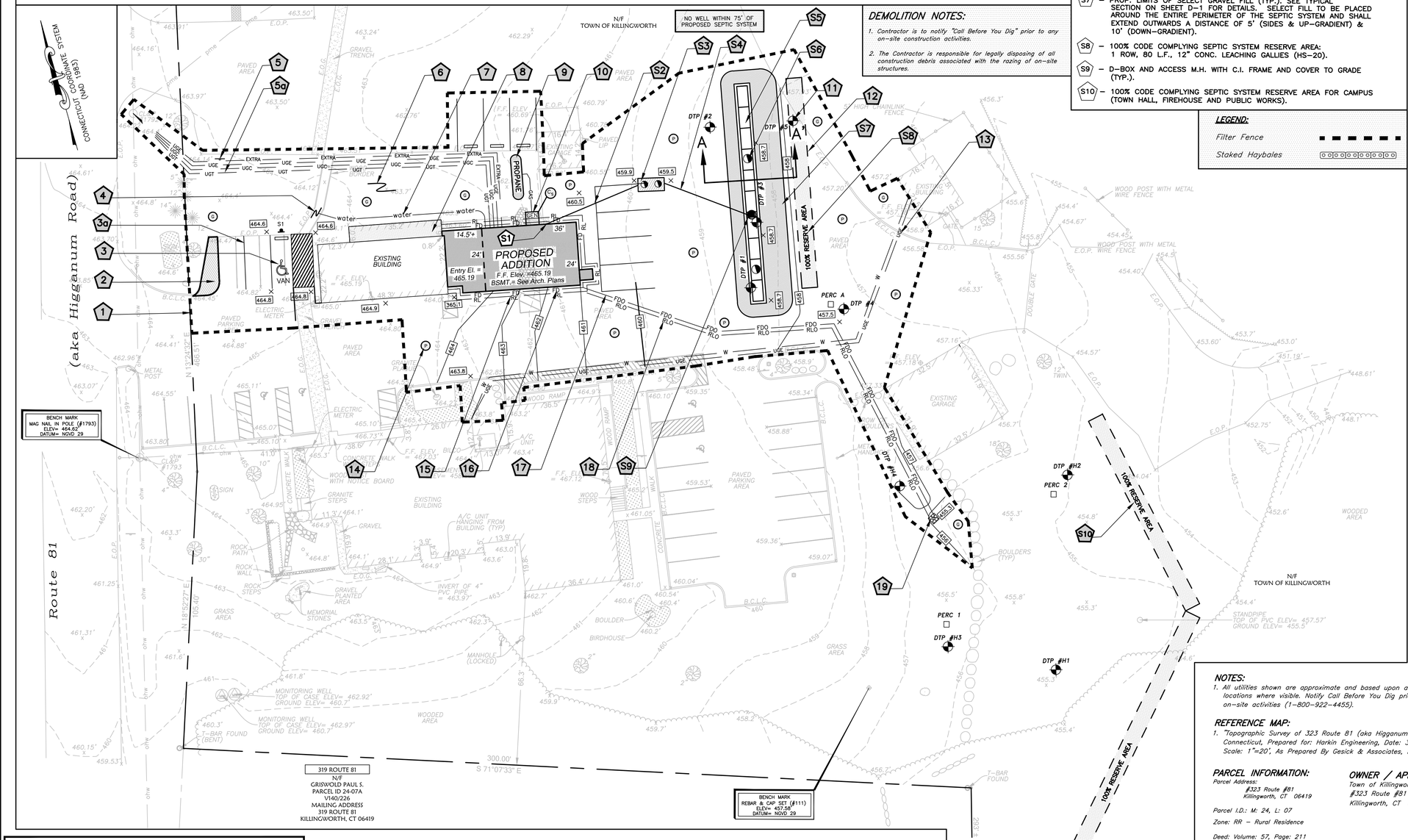
SEPTIC SYSTEM CALLOUTS:

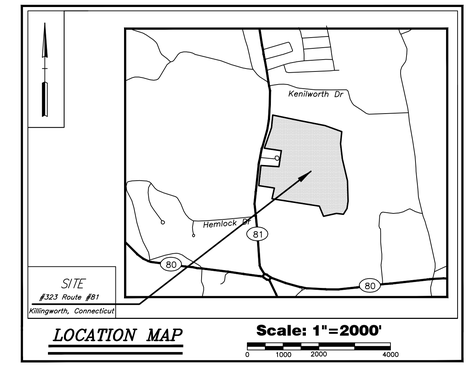
S1. – SEPTIC INV. (OUT) = 458.75
S2. – 37', 4" P.V.C. (ASTM D 1785, SCH 40) @ S=2.57%
S3. – 1,000 GAL. 2 COMPARTMENT (HS–20) SEPTIC TANK W/ OUTLET FILTER AND CAST IRON WATERTIGHT M.H. FRAME AND COVER. ACCESS M.H. TO BE 24" WIDE (I.D.). COVERS TO EXTEND TO GRADE.
S4. – 35', 4" P.V.C. (ASTM D 1785, SCH 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 AROUND THE ENTIRE PERIMETER OF THE SEPTIC SYSTEM AND SHALL EXTEND OUTWARDS A DISTANCE OF 5' (SIDES & UP–GRADIENT) & 10' (DOWN–GRADIENT).
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).

DEMOLITION NOTES:

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.

LEGEND:
Filter Fence
Staked Haybales





LOCATION MAP — Scale: 1"=2000'

SURFACE CODE LEGEND

SYMBOL	DESCRIPTION	CROSS SECTION
C-S	CONCRETE SIDEWALK	Broom finish, score lines @ 30 o.c. 1/4" expansion joints @ 30' o.c. min. 1/4" per foot cross slope 4", 3,000 # Cement concrete (5/4" stone) 6" X 6" – 10/10 Welded wire fabric 4", Compacted gravel base Subgrade (common backfill)
G	GRASS	Lime, fertilizer and grass seed 6" Min., topsoil (no stones larger than 3") Subgrade (common backfill)
P	PROCESS AGGREGATE	8" Processed aggregate, bank run gravel or existing reclaimed asphalt base (compacted) Subgrade (common backfill), compacted to 95% Optimum Density

ZONING COMPLIANCE SUMMARY

	REQUIRED	PROVIDED
MIN. LOT SIZE	2.00 Ac.	42.50 Ac.
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%

PAVEMENT NOTE:

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. The Contractor is to remove all unsuitable fill material (topsoil, organics, etc.) prior to installing the process aggregate. No bituminous concrete patching / repair is proposed for this project.

Legend

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
•	PROPERTY CORNER		DECIDUOUS TREE		GAS LINE
⊙	IP / REBAR		CONIFEROUS TREE		FEMA ZONE LINE
▯	CONCRETE MON		SHRUB		PLANTED AREA
⊕	BENCH MARK		STUMP		GRAVEL AREA
◇	UTILITY POLE		HEDGE		EXISTING BUILDING
⊶	UTILITY POLE W/ LIGHT		STONEWALL	"x.x"	SPOT ELEVATION
	GUY WIRE		TREELINE	N/F	NOW OR FORMERLY
GV	GAS VALVE		FENCE LINE	ELEV	ELEVATION
WV	WATER VALVE		EASEMENT LINE	(TYP)	TYPICAL
	FIRE HYDRANT		PROPERTY LINE	C.M.P.	CORRUGATED METAL PIPE
	CATCH BASIN		PROPERTY LINE OTHER	R.C.P.	REINFORCED CONCRETE PIPE
	MANHOLE		OVERHEAD WIRES	C.P.P.	CORRUGATED PLASTIC PIPE
	SIGN		WATER LINE	E.O.P.	EDGE OF PAVEMENT
	WOOD POST		WETLANDS	B.C.L.C.	BITUMINOUS CONCRETE LIP CURB
	WETLANDS FLAG		INDEX CONTOUR	INV	INVERT
	YARD LIGHT		INTERMEDIATE CONTOUR	(TW)	TOP OF WALL
	LIGHT POLE				

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

NOTES:

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).

REFERENCE MAP:

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

PARCEL INFORMATION:

Parcel Address:
#323 Route #81
Killingworth, CT 06419

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

Zone: RR – Rural Residence

Deed: Volume: 57, Page: 211

OWNER / APPLICANT:

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

NO.	DATE	REVISIONS
1	10/7/14	Health Dept. Comments
2	10/20/14	Town Engineer Comments
3	12/5/14	Bidding Purposes

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Michael P. Harkin P.E. #22625

SITE IMPROVEMENT PLAN "KILLINGWORTH E.O.C."

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

KILLINGWORTH, CONNECTICUT

DRAWING SCALE: 1"=20' (0 10 20 40)

Gesick & Associates P.C.
SURVEYORS ↑ MAPPERS ↑ PLANNERS
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Office: (860) 669-7799 Fax: (860) 669-5833
In Cooperation With
HARKIN ENGINEERING, LLC
CIVIL ENGINEERING CONSULTING
78 Wolf Hollow Lane - Killingworth, CT 06419 - Tel. (860) 663-4248

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