SITE GENERAL NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.
2. WATER SERVICE PROVIDED BY PRIVATE WELLS.
3. SANITARY SEWER SERVICE SEPTIC SYSTEM.
4. THE OWNER/CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF THE EXISTING IMPROVEMENTS, AND PROPOSED CONSTRUCTION WITH REFERENCE TO THE PROPERTY LINE AND SETBACK REQUIREMENTS.
5. NO EXISTING WELLS ARE LOCATED WITHIN 75' OF THE PROPOSED LEACHING SYSTEM.
6. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.

SITE GRADING NOTES:
1. THE EXCESS DIRT SHALL BE TEMPORARILY STOCKPILED WITHIN THE LOCATION SHOWN ON THE PLAN, AND IT SHALL BE PROTECTED BY THE PROPOSED E&S MEASURES.
2. ALL EXCESS DIRT FROM GRADING / EXCAVATING SHALL BE SPREAD UNIFORMLY IN THE REAR OF THE LOT MAINTAINING A MINIMUM OF 5% GRADE AWAY FROM THE STRUCTURE AND A MAXIMUM 3H:1V SLOPE.

EXISTING UTILITY NOTE:
1. THE CONTRACTOR SHALL NOTIFY CALL BEFORE YOU DIG AND ALLOW ADEQUATE TIME FOR MARKING.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUND AND OVERHEAD UTILITIES. IF, DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR ENCOUNTERS UTILITIES OTHER THAN THOSE INDICATED BY CALL BEFORE YOU DIG AND MEMBER UTILITY COMPANIES, HE (SHE) SHALL IMMEDIATELY NOTIFY THE OWNER AND TAKE NECESSARY AND APPROPRIATE STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUATION OF SERVICE.
3. THE SITE CONTRACTORS/DEVELOPERS MUST VERIFY THE LOCATIONS AND ELEVATIONS OF ALL PUBLIC AND PRIVATE UTILITIES AND STRUCTURES AFFECTING THE SITE PRIOR TO THE START OF THE CONSTRUCTION. ANY CONFLICT WITH THE PLAN MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY FOR RESOLUTION. FAILURE TO VERIFY EXISTING UTILITIES MAY RESULT IN COSTLY DELAYS AND REMEDIAL MEASURES.

CONSTRUCTION ENTRANCE NOTE:
1. DEPENDING ON ACTUAL SITE CONDITIONS AND LIMITATIONS, IN THE FIELD THE SITE INSPECTOR MAY ALLOW AN EXISTING DRIVEWAY TO BE USED AS A CONSTRUCTION ENTRANCE, OR THE LENGTH OF THE STANDARD CONSTRUCTION TO BE MODIFIED.

STOCKPILE NARRATIVE:
1. THE SOIL FROM EXCAVATING FOUNDATION WILL BE STOCKPILED IN THE AREA AS SHOWN ON THIS SITE PLAN. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. ALL SOIL STOCKPILES, IF ANY, SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS AFTER GRADING.
2. THE HEIGHT OF THE STOCKPILES MATERIAL SHALL NOT EXCEED FOUR (4) FT. THE MAXIMUM SLOPE OF THE STOCKPILE SHALL NOT BE GREATER THAN 3: 1.
3. THE STOCKPILE MATERIALS SHALL BE PROTECTED FROM DRAINING INTO ADJOINING NON DISTURBED AREA BY SILT FENCE OR ANY OTHER SEDIMENT CONTROL DEVICES.
4. EXCESS OR UNUSED STOCKPILE MATERIALS (IF ANY) SHALL BE GRADED INTO THE REAR YARD.

SITE PREPARATION
1. CALL "CALL BEFORE YOU DIG" FOR MARK OUT OF ALL UTILITIES.
2. INSTALL SILT FENCE.
3. CLEAR AND GRUB DISTURBED AREAS AND STOCKPILE TOPSOIL & INSTALL EROSION CONTROL MEASURES.
4. INITIATE SITE-WORK TO INSTALL SEPTIC SYSTEM, FOUNDATION WORK, AND DRIVEWAY. DO NOT COMPACT SOIL IN VICINITY OF SEPTIC SYSTEM.
5. PERMANENTLY STABILIZE DISTURBED AREAS.
6. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AFTER SITE IS STABILIZED WITH VEGETATION.
7. SOIL EROSION AND SEDIMENTATION CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER EVERY ½ OR GREATER RAINFALL EVENT

SEPTIC GENERAL NOTES
1. ALL MATERIAL AND INSTALLATION OF THE PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEMS SHALL CONFORM TO CONNECTICUT PUBLIC HEALTH CODE ON-SITE SEWAGE DISPOSAL REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSALS SYSTEMS (REVISION DATE OF JANUARY 2018)
2. ALL UTILITIES (ELECTRICAL, WATER, CABLE) AND DRAINAGE PIPE LOCATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM IN THE FIELD BY WHATEVER MEANS HE DEEMS PRUDENT AND TO MAINTAIN SETBACKS OUTLINED IN THE PUBLIC HEALTH CODE. (ALL UTILITIES AND DRAINAGE PIPES WILL BE RECOATED AWAY FROM SYSTEM REPAIRS.)
3. FIELD INVESTIGATIONS CONDUCTED BY THIS OFFICE VERIFIES THAT THE PROPOSED SEPTIC REPAIR LOCATIONS DOES NOT ENCROACH UPON ANY SANITARY WELL RADIUS.
4. SUBSURFACE SEWAGE DISPOSAL LOCATIONS TO BE FIELD STAKED BY A CT LICENSED SURVEYOR PRIOR TO CONSTRUCTION. THE AREA SHALL BE SUITABLY PROTECTED FROM ANY CONSTRUCTION EQUIPMENT OR MATERIAL STORAGE AT ALL TIMES.
5. THESE SYSTEMS ARE NOT DESIGNED TO ACCEPT WASTE FROM GARBAGE DISPOSAL UNITS OR DISCHARGES FROM JACUZZI TYPE HOT TUBS.
6. CHESPROCOTT HEALTH DISTRICT AND THE DESIGN ENGINEER OF RECORD SHALL BE NOTIFIED 24 HOURS PRIOR TO THE START OF CONSTRUCTION.
7. NO CERTIFICATE OF CONFORMANCE TO STANDARDS SHALL BE ISSUED BY THE DESIGN ENGINEER IF PROPER NOTICE IS NOT PROVIDED FOR INSPECTIONS OR IF INSPECTIONS ARE NOT MADE PRIOR TO BACKFILLING OF BELOW GROUND STRUCTURES.
8. THE CONTRACTOR SHALL TOPSOIL, FINE RAKE, AND SEED ALL AREAS DISTURBED BY CONSTRUCTION.
9. ALL FILL MATERIAL MUST PASS THE DEPARTMENT OF TRANSPORTATION SIEVE REQUIREMENTS (LESS THAN 10% PASSING THRU #100 SIEVE) AND BE APPROVED BY THE DESIGN ENGINEER.
10. FILL SHALL BE PLACED ON THE PERIMETER OF THE TRENCH AREA AND SPREAD WITH A SMALL CRAWLER, TRACTOR, OR OTHER APPROVED MACHINERY.
11. AN "AS-BUILT" PLAN CERTIFIED BY A PROFESSIONAL ENGINEER, SHALL BE SUBMITTED TO THE HEALTH DEPARTMENT BEFORE A "PERMIT TO DISCHARGE" IS ISSUED. THE "AS-BUILT" WILL BE PREPARED IN ACCORDANCE WITH HEALTH DEPARTMENT POLICY.

SPECIFIC DESIGN NOTES - SILL AVENUE (SYSTEM A)
1. PROPOSED SEPTIC REPAIR TO CONSIST OF A CENTRAL SYSTEM COMBING 91 SILLS AVENUE AND 2 SILLS AVENUE.
2. 91 SILLS AVENUE IS A 2 BEDROOM MOBILE HOME AND 2 SILLS AVENUE IS A MULTI-FAMILY RESIDENCE CONSISTING OF 4 BEDROOMS.
3. PROPOSE H-20 2000 GALLON UNITED CONCRETE TWO COMPARTMENT SEPTIC TANK WITH OUTLET FILTER.
4. INSTALLER TO REMOVE FILL/TOPSOIL AND SCARIFY B-HORIZON PRIOR TO SYSTEM INSTALL. PROPOSE 3 ROWS 18 INCH H-20 CONCRETE GALLERIES, WITH EACH ROW 56 FT IN LENGTH, BACKFILLED WITH #2 STONE. PROVIDING TOTAL LENGTH OF 174 FT (INCLUDING STONE).

REQUIRED BY CODE:
AREA - 1035 SF
NO RESTRICTIVE LAYER, MLSS - N/A

PROVIDED: 174 FT X 6.2 SF/LF = 1078.8 SF
AREA - 1078.8 SF
SPREAD - 58 FT (INCLUDING STONE)

5. 91 SILLS AVENUE:
LICENSED SEPTIC INSTALLER TO CUT EXISTING 4 INCH SEWER PIPE AT PERIMETER OF MOBILE HOME, INSTALL REDUCER / ECCENTRIC FITTING TO CONNECT 6 INCH ASTM D1785 SCH 40 PIPE, APROX 55 FT IN LENGTH MAINTAINING 1/8 INCH PER FOOT PITCH TO SEPTIC TANK. SEWER PIPE TO BE SLEEVED WITH 8 INCH c-900 PIPE UNDER DRIVEWAY.
6. 2 SILLS AVENUE:
LICENSED SEPTIC INSTALLER TO CUT EXISTING CAST IRON 4 INCH SEWER PIPE AT FOUNDATION AND CONNECT A 4 INCH ASTM D1785 SCH 40 WITH STAINLESS STEEL FURNCA. INSTALLER TO PROVIDE CLEANOUT TO GRADE IF BENDS IN SEWER PIPE EXCEED 45 DEGREES.
7. SDR 35 ASTM 3034 PIPE TO BE USED FROM TANK OUTLET TO FIELDS. ALL EFFLUENT PIPES TO BE SLEEVED WITH C-900 UNDER VEHICLE TRAFFIC AREAS AS INDICATED.
8. SYSTEM ELEVATIONS:

91 SILLS AVE: PROPOSED SEWER INVERT: 656.58
2 SILLS AVE: SEWER INVERT: 656.32

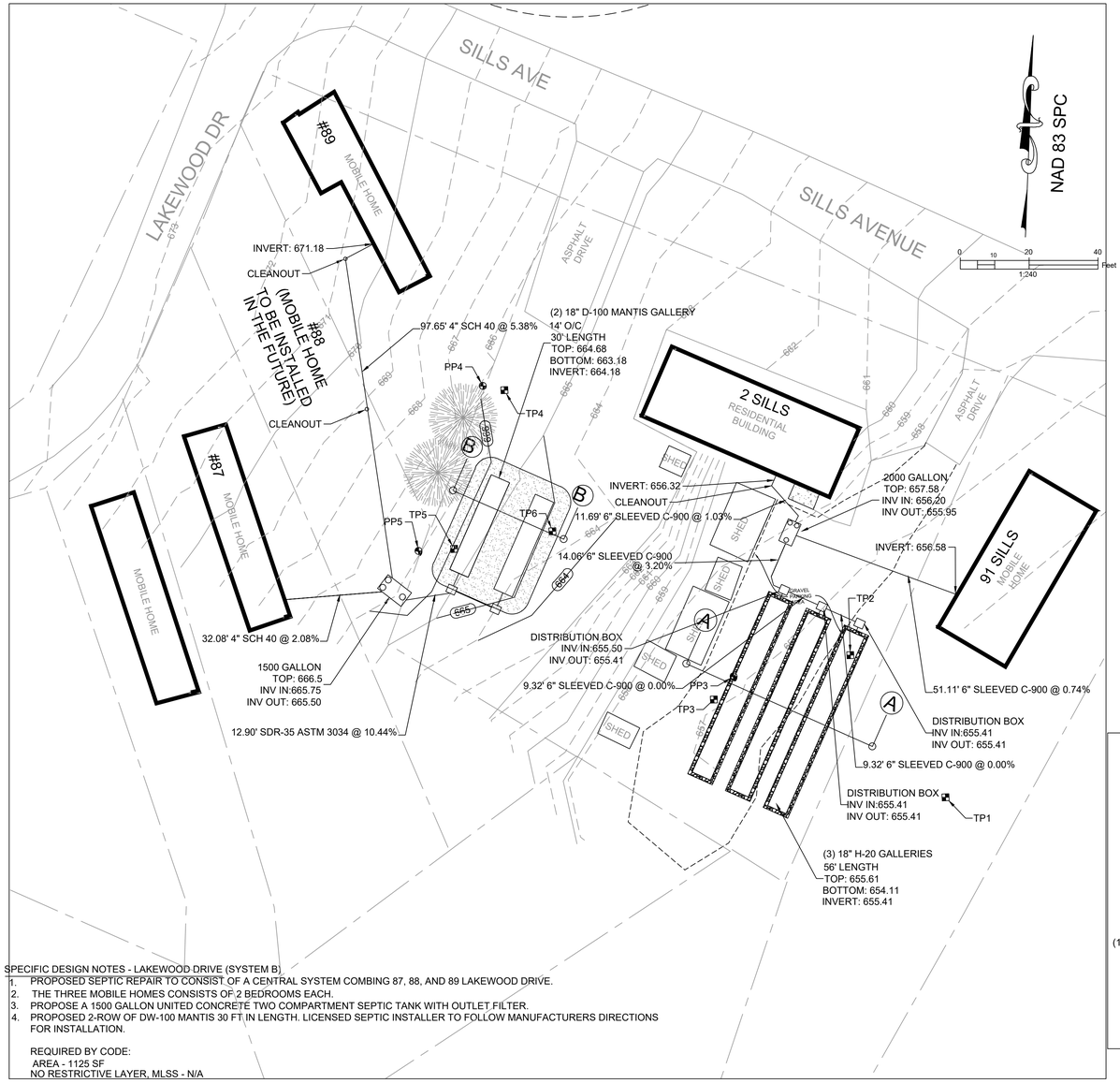
TOP TANK: 657.58
INLET INV: 656.20
OUTLET INV: 655.95

TOP GALLERIES: 655.61
BOTTOM GALLERIES: 654.11
GALLERY INVERT: 655.41

D-BOX #1:
INLET INV: 655.52
OUTLET INV: 655.41

D-BOX #2:
INLET INV: 655.41
OUTLET INV: 655.41

D-BOX #3:
INLET INV: 655.41
OUTLET INV: 655.41



SPECIFIC DESIGN NOTES - LAKEWOOD DRIVE (SYSTEM B)
1. PROPOSED SEPTIC REPAIR TO CONSIST OF A CENTRAL SYSTEM COMBING 87, 88, AND 89 LAKEWOOD DRIVE.
2. THE THREE MOBILE HOMES CONSISTS OF 2 BEDROOMS EACH.
3. PROPOSE A 1500 GALLON UNITED CONCRETE TWO COMPARTMENT SEPTIC TANK WITH OUTLET FILTER.
4. PROPOSED 2-ROW OF DW-100 MANTIS 30 FT IN LENGTH. LICENSED SEPTIC INSTALLER TO FOLLOW MANUFACTURERS DIRECTIONS FOR INSTALLATION.

REQUIRED BY CODE:
AREA - 1125 SF
NO RESTRICTIVE LAYER, MLSS - N/A

PROVIDED: 60 FT X 20 SF/LF = 1200 SF
AREA - 1200 SF
SPREAD - 30 FT

5. 87 LAKEWOOD DRIVE:
LICENSED SEPTIC INSTALLER TO FIND EXISTING 4 INCH SCH 40 SEWER PIPE AND CUT PIPE AT LOCATION AS INDICATED ON PLAN FOR SEPTIC TANK INSTALLATION.
6. 88 LAKEWOOD DRIVE:
LOT PRESENTLY EMPTY - SEWER PIPE TO CONSIST OF 4" ASTM D1785 SCH 40 MAINTAINING 1/4 INCH PER FOOT PITCH ONCE INSTALLED.
7. 89 LAKEWOOD DRIVE:
LICENSED SEPTIC INSTALLER TO CUT EXISTING SCH 40 SEWER PIPE AT PERIMETER OF MOBILE HOME, REDIRECT, AND CONNECT APPROX 55 FT OF D1785 SCH 40 PIPE, WHILE MAINTAINING 1/4 INCH PER FOOT PITCH.
8. SYSTEM ELEVATIONS:

PROPOSED SEWAGE INVERTS
87 LAKEWOOD DRIVE: TBD
88 LAKEWOOD DRIVE: TBD
89 LAKEWOOD DRIVE: 671.18

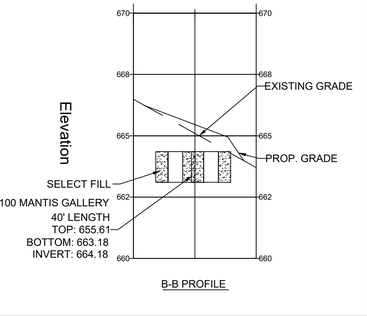
TOP TANK: 666.5
INLET INV: 665.75
OUTLET INV: 665.5

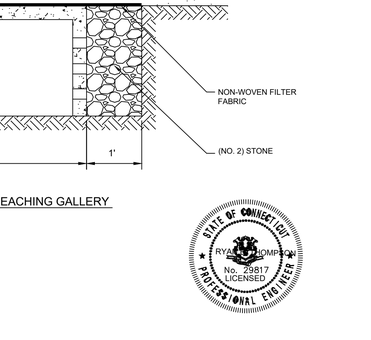
R1:
TOP MANTIS: 664.66
BOTTOM MANTIS: 663.16
INVERT MANTIS: 664.16

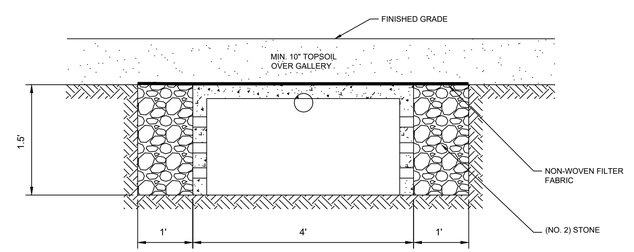
D-BOX 1:
INVERT TO R1: 664.16
HLO INVERT: 664.41
INLET INV (FROM TANK): 664.66

R2:
TOP MANTIS: 663.83
BOTTOM MANTIS: 662.33
INVERT MANTIS: 664.16

D-BOX 2:
INVERT TO R2: 663.33
INLET INV (FROM D-BOX 1): 663.83







TYPICAL SECTION THRU 18" LEACHING GALLERY
N.T.S

MINIMUM AVERAGE ROLL VALUES FOR FABRIC USED FOR COVERING STONE AGGREGATE SHALL HAVE A UNIT WEIGHT OF 1.5 OZ./YD² (PER ASTM D 5261), A PERMITTIVITY OF 1.0 SEC-¹ (PER ASTM D 4491) AND A TRAPEZOID TEAR STRENGTH OF 15 LBS. (PER ASTM D 4533)

STATE OF CONNECTICUT
RYAN M. COMPOS
No. 29817
LICENSED
PROFESSIONAL ENGINEER

SHEET: 1 OF 3

LEGEND:

GRVL	GRAVEL
BRL	BUILDING LIMIT
CM	CONCRETE MONUMENT
SM	STONE MONUMENT
IP	IRON PIPE OR PIN
PK	PK NAIL
DH	DRILL HOLE SET
ROW	RIGHT OF WAY
SF	SQUARE FEET
N 90° 00' 00" E	PROPERTY LINE
	BRL
	EASEMENT
	FENCE
	ELECTRICAL LINE
W	WATER MAIN
100	EX. MAJOR CONTOUR
	EX. MINOR CONTOUR
100	PROP. CONTOUR
	STONE WALL
	FLAG POLE
	POWER POLE
	WATER METER
C	CONSTRUCTION ENTRANCE
LOD	LIMIT OF DISTURBANCE
SF	SILT FENCE

TITLE: SANITARY / SEPTIC COLLECTION SYSTEM
HARMONY ACRES PARK
PROSPECT CT

DATE: JULY 6, 2022
DRAWING SCALE: 1" = 20'
DRAWN/RELEASED BY: RTHOMPSON
DESIGNED BY: SCOTT

CODE SEPTIC DESIGN
BETHEL, CONNECTICUT
WWW.CODESEPTICDESIGN.COM
CODESEPTICDESIGN@GMAIL.COM
VOICE: 860-794-7705

REVISIONS:
10-20-22 DEEP COMMENTS