TOWN OF NEW HARTFORD INLAND WETLANDS AND WATER COURSE COMMISSION APPLICATION FOR PERMIT

1. Applicant(s) Name: JOE WELLER	
Home Address: 30 CAMP WORKCORMAN PD. NEW	HIPETFORD, CT 06057
Business Address:	
Business Address: Phone – Home: 646 251 9210 - Business:	
Email Address: (Nevico (de) (m C) (11 Com)	
Applicant(s) interest in land (owner, lessee, option holder, etc.	
**If applicant is not the owner, then the owner's consent, duly ac	knowledged, to the proposed
activity, must be attached to the application.	
43.4	
2. Owner(s) If same as applicant, so state. Owner(s) Name: SAME + COULAN WELLOS	
Uwner(s) Name: Simp 1 Coccost 405 5	
Home Address:	
Business Address:Business:	
Email Address:	
3. Location of Proposed Activity: 130 CAMP WORK GOEMAN FI)
Assessor's Map #: Block #: Parcel #:	Zone:
**Detailed description or plot plan may be submitted.	
Area (acres): Square Feet, if less than 2 acres:	
Total acreage of wetlands on property: NOT SUPE	4
	i iii
4. Description of the proposed activity: ADDITION TO EXISTING	SUB SURFACE SEWAGE
SOUTHFROM SYSTEM	
5. Alternatives considered by the applicant and why the proposal t	
application was chosen: NoNE	
6. Names and addresses of adjacent property owners within 100	feet. **Information can be obtained
et 101 A vicolar	CANA I
the Assessor's Office JIM & LARA MINOR @ 126 C. WORLCOM	MIN
BILL & SJE AVCLAR (2 128 " "	
DAJE & LOPEANE MINTER @ 134 " "	
Day could at AMBRICA	Se :
BOY GOOMS OF AMPRICAL	
7. Any other information:	
Page 1	20-08-04 CK.1442
	OK. 1442

YOU MUST ALSO SUBMIT:

- <u>9 Copies</u> of a Site Plan showing existing and proposed conditions in relation to wetlands and watercourses.
- 9 Copies of all other documents pertaining to the application.
- \$120.00 Application Fee.
- Completed DEP Inland Wetlands Activity Report.

1	r all statements made in conjunction with this application and
consents to inspections of the site.	
1. Weh	JOSEPH WELKER
Applicant's Signature	Print or Type Name
The undersigned owner(s) of record c	onsent to the submission of this application and to Inspections of
the site.	
V. Wch	JOSEPH WELKER
Owner's Signature	Print or Type Name
FOR COMMISSION USE:	***************************************
Receipt Number:	Date Received:
Amount Paid:	



Order ID: 6761827

Printed:

9/8/2020 10:27:45 AM

Page 2 of

* Agency Commission not included

GROSS PRICE *:

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AdSize(s): 1 Column, NO AD SIZE

Run Date(s): Friday, September 25, 2020, Friday, October 2, 2020

Color Spec. B/W

Preview

NOTICE OF PUBLIC HEARING TOWN OF NEW HARTFORD INLAND WETLANDS COMMISSION

The Inland Wetlands Commission will meet on Wednesday, October 7, 2020 at 7:00PM for a Virtual Meeting on Zoom for the following Public Hearing(s): Note:

Peter B. Mangin – Map 06A – Block 112 – Lot 066 – 138 Camp Workcoeman Road – Repair Concrete Steps to Lake and Install A Handrail. Break up and Remove Rocks Close to Shoreline That are a Hazard.

Joseph R. & Colleen A. Welker – Map 06A – Block 112 – Lot 064 – 130 Camp Workcoeman Road – Site Plan Addition and Subsurface Sewage Disposal System.

At this public hearing, interested persons may appear and be heard and written communications received. Copies of the application are available for inspection in the Land Use Office in New Hartford Town Hall, 530 Main Street, New Hartford, CT.

Dated this 8thh day September, 2020 By James Hall, Chairman Inland Wetlands Commission 9/25, 10/2/2020 6761827



Town of New Hartford, CT

Property Listing Report

Map Block Lot

06A-112-064 Bldg#

1 Sec #

1 PID

4803 Account 00234400

Property Information

Property Location	130 CAMP WORKCOEMAN ROAD		
Owner	WELKER JOSEPH R AND COLLEEN A		
Co-Owner	na		140
Mailing Address	140 W 79TH STREET #2	2E	÷
	NEW YORK N	ΙΥ	10024
Land Use	1013 SFR Water		
Land Class	R		
Zoning Code	R4		
Census Tract	3061		

Acreage	1.2
Utilities	Well,Septic
Lot Setting/Desc	Rural Level
Book / Page	0266/0944
Fire District	1





Sketch



Primary Construction Details

Year Built	1929
Building Desc.	SFR Water
Building Style	Cottage
Building Grade	Below Average
Stories	1
Оссирапсу	1.00
Exterior Walls	Vertical Wood
Exterior Walls 2	NA
Roof Style	Gable
Roof Cover	Asphalt
Interior Walls	K Pine/A Wood
Interior Walls 2	NA
Interior Floors 1	Soft Woods
Interior Floors 2	NA

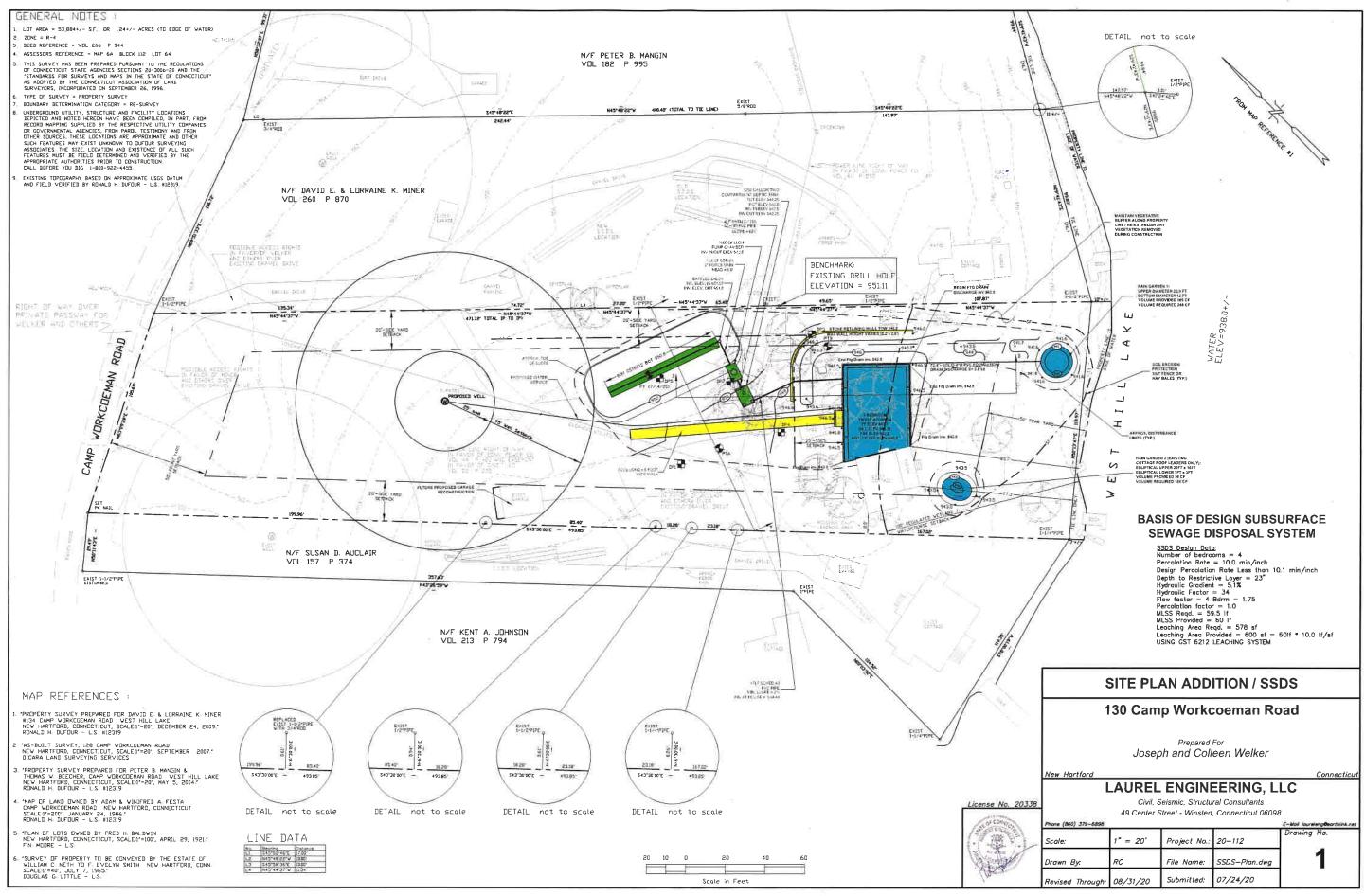
Heating Fuel	Coal or Wood
Heating Type	None
АС Туре	None
Bedrooms	02
Full Bathrooms	0
Half Bathrooms	1
Extra Fixtures	0
Total Rooms	4
Bath Style	Average
Kitchen Style	Average
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Gar	
Fireplaces	

(*Industrial / Commercial Details)

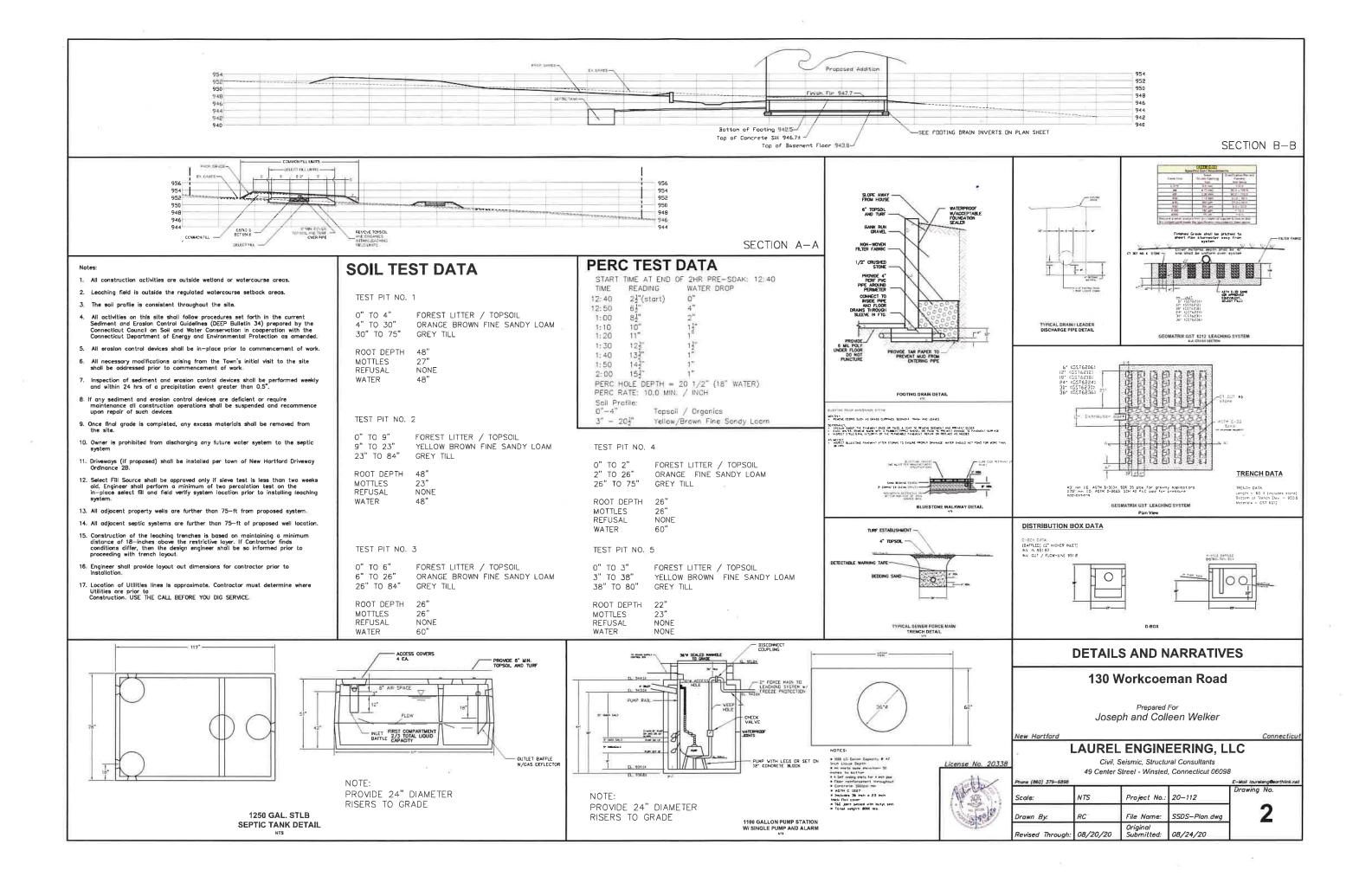
Building Use	Residential
Building Condition	A
Sprinkler %	NA
Heat / AC	NA
Frame Type	NA
Baths / Plumbing	NA
Ceiling / Wali	NA
Rooms / Prtns	NA
Wall Height	NA
First Floor Use	NA
Foundation	NA

Report Created On

8/27/2020



Revised 8/31/20



SUBSURFACE SEWAGE DISPOSAL SYSTEM TECHNICAL SPECIFICATIONS

Site Preparation:

Clear and grub areas leaching field to the clearing limits shown on the plan. The contractor shall exercise extreme care in removing surface boulders and topsoil within the area of the leaching field. Topsoil shall be stockpiled (in a convenient area) and protected from erasion. Erasion control measures shall be installed as shown on the plan.

House Localion:

The contractor shall verify the benchmarks and control points shown on the plan prior to the layout of leaching field. The house and leaching field shall be staked—out by a Licensed Land Surveyor.

The following steps should be taken to insure proper placement of the select fill:

- 1. Provide 24—hr notice to engineer for inspection prior to scarifying the leaching area.
 2. Obtain approval of the fill material from the Sanitarian.
 3. Provide a gradation test if required by the Sanitarian.
 4. First layer of fill shall be laid in a 12° lift on the scarified ground before compaction, Thereafter, compact fill in six—inch lifts, improper compaction operations can cause system failure.
 5. Field density requirements for fill material shall be 90% Standard Proctor Density.
 6. Extend fill a minimum of 10 (ten) feet beyond the last trench before tapering off.

The select fill shall meet the following specifications:

- 1. The select fill shall not contain any material larger than the three (3) inch sieve.
 2 Up to 45% of the dry weight of the representative sample may be retained on the #4
- sleve.

 Note: This is the gravel portion of the sample, (Gravel is defined as material between the No.4 and 3-inch sleves).

 3. The material that passes the #4 sleve is then re-weighed and the sleve analysis is
- started
 4. The remaining sample shall meet the following gradation criteria.

Gradation of Fill Less Gravel

	Wat Sieve	Dry Sieve
Sieve	Percent Passing by Weight	Percent Passing by Weigh
No. 4	100%	100%
No. 10	70 - 100%	70 - 100%
No. 40	10 - 50%	10 - 75%
No. 100	0 - 20%	0 - 5%
No. 200	0 - 5%	0 - 2.5%

* Percent passing the #40 sieve can be increased to no greater than 25% if the percent passing the #100 sieve does not exceed 10% and the #200 sieve does not exceed 5%.

The septic tank shall be a 1,250 gallon two compartment pre-cast concrete septic tank meeting all the latest specifications defined in the Connecticut Public Health Code, with particular reference to boffies, compartments, manhole access and concrete. The tank shall be properly baffied at the inlet and outlet, and shall be waterlight with joints secied with a butly section to regular. The tank shall be constructed and installed to support AASHO HS-10 design loading. Note depth of tank and the need for risers on access

Pump, Basin and Force Main:

Basin Use a simplex or duplex pump basin in conformance with the following. $\label{eq:conformance} % \begin{subarray}{ll} \end{subarray} % \begi$

1. The pump basin shall be an 1000 gallon pump chamber as manufactured by

- 1. Ine pump boain shall be an IOW gallon pump chamber as manuractured by Richards Corp.

 2. The basin shall have a minimum wall thickness of 3".

 4. The basin shall have a cover made of steel a top manhole risers to grade.

 5. The cover shall be attached to the basin by cap screws mated to threaded inserts molded into the basin rims.
- inserts molded into the bosin rims.

 5. The basin, cover, pumps, piping, and controls (if any) shall be compatible and pre-assembled to insure a proper fit.

 7. Location of basin shall be prepared early during the initial site—work phase.

 8. Locate placement area, excovate to the proper depth and backfill with sand while foundation work is in progress.

 9. The sand should remain until the piping and basin is insalaled.

 10. The depth of the hole should allow for the depth of the basin plus additional depth for base material (8" of one—inch stone and 6" of Type N mortar).

- Basin Installation

 1. Dig test pil to determine if ground water level. If high ground water is encountered inform Engineer. Excavation must be dewatered using pump inlet and outlet protection as autilined in ConnDEEP 2002 Sediment and Erosion Control
- Guidelines (DEP Bulletin 34).

 2. Remove sand fill down to undisturbed soil.

 3. Place an 8" layer of one inch stone 6" below the bottom of proposed basin.

 4. Place a 6" layer of Type N mortor and set basin in wet mortar just as mortor.
- is about to set.

 5. The stone, mortor and basin shall be set below the finished floor elevation.

 6. Adjust basin so that it is level.

 7. After the mortor has set, alloch inlet piping and fill tank to the level of the
- inlet pipe.

 B. Pour concrete anti-buoyancy cap on top of chamber if Engineer specifies...

Pump The pump shall be a centrifugal type with a minimum capacity of 33 gallons / min. at $9\pm$ $1t_i$ head as supplied by Litco Supply (Torrington, CT) or equal.

Pump turn-on and turn-off level shall be adjusted by the contractor so that not less than 100.00 gallons nor more than 120.0 gallons are pumped during one complete cycle.

Force Main
The force main shall be a coiled 2,00 inch diameter polyethylene plastic flexible pressure pipe (180psi min.) in conformance with the State Health Code, No joints are permitted within 75 feet of a well or within 25 feet of an open wetercourse or groundwater drains. Either a baffle or an elbow (pointing downward) shall be installed on the force main discharge in the septic tank at the end of the force main. Force main shall be insulated above frost depth.

The sewer pipe connecting the house with the septic tank shall be four-inch diameter SCH 40 PVC water pipe in conformance with ASTM D-1785 w/ rubber compression gasket joint (ASTM D-139) or Solvent well couplings/fittings using proper two step PVC solvent solution procedure. The slope of the sewer shall be a minimum of 0.25 inches per foot (1/4* per tt.). The inverts and pipe length shown on the plan should be used for this project. The Contractor shall install the pipe in on even trench and on a continuous slope. Bedding Sand shall be fine sandy loom 100% passing the % sieve and 7-15% passing the #200 sieve. Detectable Underground Worning Tope shall be 2° wide, mode from 5 mil, triple layer lamination of oluminum foll care encased in 100% virgin polyethylene.

The sewage distribution pipe from the tank to the pump chamber shall be four-inch diameter solid SDR-35 PVC in conformance with ASTM D-3034 w/compression gasket joints, the pipe from the pump chamber to the distribution box shall be safe-21 pvc in accordance with ASTM D-2241. The pipe shall be loid with a minimum of cover of 2-ft underneath any drive section and a minimum cover of 1-ft elsewhere, the pipe from the distribution box over the GSTM leoching units shall be perforated SDR-35 in accordance with ASTM-D3034. Bedding Sand shall be fine sandy loom 100% passing the \$200 sleve.

Distribution boxes shall be pre-cost concrete. Distribution boxes shall be set on a 12° layer of crushed slone to prevent differential settlement or heaving from frost. The D-box shall be oriented to provide for high-level overflow as shown by inverts on the plan.

The bottom of each trench and the distribution pipes shall be level throughout the trench. The maximum deviation from level permitted for this operation is one-inch in seventy-five feet.

Sewage pipe used in the leaching field shall be four—inch diameter perforated SDR—38 PVC in conformance with ASTM D-3350. The pipe shall be laid straight and all inverts shall be level and set to the elevations shown on the plan.

Leaching system shall be 12"H x 62"W GST 6212 as manufactured by Geomatrix or equal. The system shall be manufactured and installed with a minimum of 6—inch of cover, Distribution pipe must have a minimum four—inch diameter.

A layer of filter fabric must be placed to cover the entire width and length of each trench.

The filter fabric provided shall be in conformance with the Connecticut Public Health Code, Regulations and Technical Standards for Subsurface Sewage Disposal Systems, Revised Jonuary 1, 2007 as indicated in Appendix C.

In accordance with the manufacturer's recommendations all inlets and outlets shall be mortared or sealed with an appropriate seal or gasket. The opening at the house shall be mortared once the pipes have been installed.

All drains shall be a minimum of 25 feet from any septic system component.

The following operations should be completed as soon as possible upon the completion of the fill slopes, septic system, and yard grading:

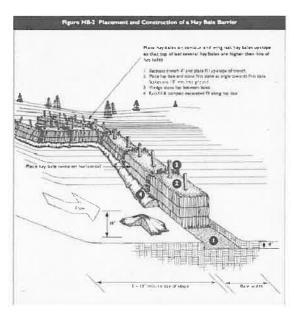
- 1... Cover the entire area with a minimum of 4" of topsoil and rake to smooth
- 1. Cover the entitle under the role of 90bs. per 1,000 sq. ft..
 2. Spread lime at the role of 90bs. per 1,000 sq. ft..
 3. Spread 10-10-10 fertizer at the rate of 7.5bs. per 1,000 sq. ft...
 4. Spread grass seed at the role of 50bs. per 1,000 sq. ft...
 5. Spread mulch hay at the rate of 79-90bs. per 1,000 sq. ft...

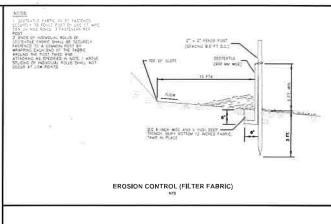
Water restrictive measures should be implemented (i.e. water saver toilet and shower head.)

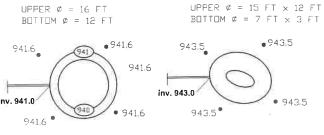
Plumbing in the basement exits through the basement wall therefore plumbing for interior appliances etc. shall be limited.

A benchmark shall be set and the leaching system and house shall be staked out by a Licensed Land Surveyor, prior to any work at this site. A Licensed Land Surveyor shall set any required pins prior to commencement of work.

Any future water treatment systems shall not discharge to the subsurface sewage disposal system.

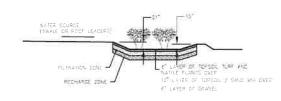






RAIN GARDEN 1

RAIN GARDEN 2



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amPower	Clarely condition.

RAIN GARDEN

DETAILS AND NARRATIVES

130 Workcoeman Road

Prepared For Joseph and Colleen Welker

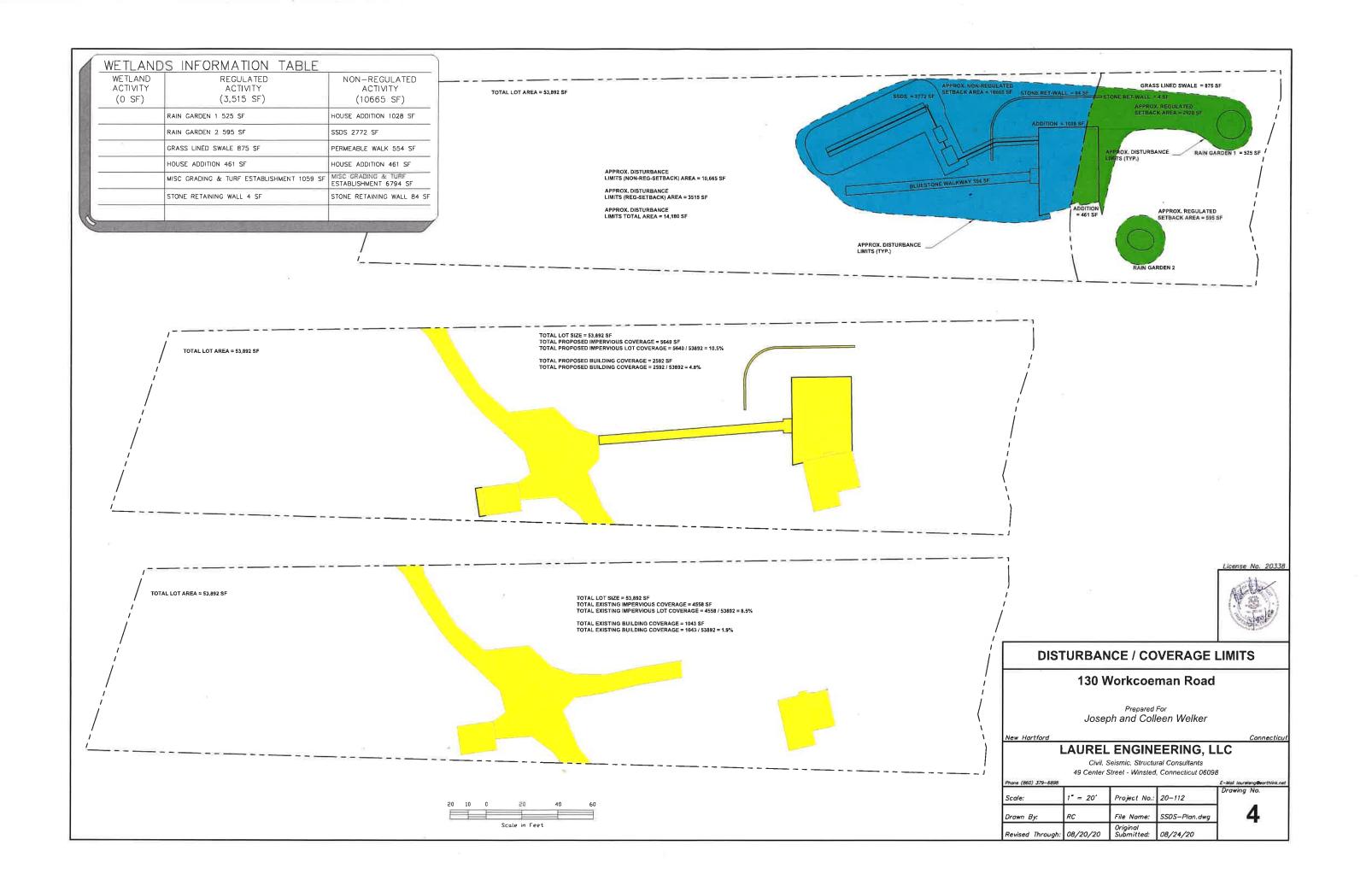
New Hartford

Connectic

LAUREL ENGINEERING, LLC Civil. Seismic. Structural Consultants 49 Center Street - Winsted, Connecticut 06098

NTS Project No.: 20-112 Scale: Drawn Bv. File Name SSDS-Plan dwa Original Submitted: 08/20/20 Revised Through 08/24/20

License No. 20338



4 CENTER STREET

49 Aquatic Rd New Hartford, CT LE Project No.18-110 Prepared by: MGS

STRUCTURAL SEISMIC CONSULTANTS AND TRANSPORT

Water Quality Volume - #130 Camp Workcoeman Road-ADDITION

Water Quality Volume is the amount of stormwater runoff that should be captured and treated in order to remove a majority of stormwater pollutants. The recommended WQV, which results in the capture and treatment of the entire runoff volume for 90 percent of the average annual storm events, is equivalent to the runoff associated with the first one-inch of rainfall.

Ref: Connecticut Stormwater Quality Manual Chapter 7 Pages 7-4 through 7-6

Where:

WQV = (1")(R)(A)/12

1" = Depth of rainfall during "water quality storm" event

R = Volumetric Runoff Coefficient = 0.05 + (0.009 x I)

I = Percent Impervious Cover (e.g. use 50 (not 0.50) for 50% impervious)

Impervious 0.04 acres

A = Site Area (acres)= 4.92 acres

Stormwater Quality Basin

I = 11.68 Percent Impervious Cover

R = 0.16 R (Volumetric Runoff Coefficient):

A = 0.30 Acres Watershed to water rain garden

WQV_{tot} = 0.0039 Acre-Feet <u>Recommended</u>

= 169 Cubic Feet

Actual Stormwater Quality Basin Volume from AutoCAD plans

Elevation ft	Rain Garden Area sq ft	Rain Garden Pool Volume cu ft	Water Quality Volume stored %	
940	113	0		
941	201.00	157	93%	=93% of WQV stored at 1-ft depth in rain garden
941.5	313	286	169%	=169% of WQV stored at 1.5-ft depth in rain garden