



STATE OF CONNECTICUT – COUNTY OF TOLLAND
INCORPORATED 1786

TOWN OF ELLINGTON

55 MAIN STREET – PO BOX 187
ELLINGTON, CONNECTICUT 06029-0187
www.ellington-ct.gov

TEL. (860) 870-3120 TOWN PLANNER'S OFFICE FAX (860) 870-3122

**INLAND WETLANDS AGENCY
REGULAR MEETING AGENDA
MONDAY, MARCH 8, 2021, 7:00 P.M.
TOWN HALL ANNEX MEETING ROOM, 57 MAIN ST, ELLINGTON, CT**

**IN-PERSON PUBLIC ATTENDANCE LIMITED DUE TO COVID19 RESTRICTIONS
ZOOM ATTENDANCE INSTRUCTIONS PROVIDED BELOW**

I. CALL TO ORDER

II. PUBLIC COMMENTS (on non-agenda items):

III. PUBLIC HEARING(S):

1. IW202102 – Andrian & Cheryl Kebalo owner/applicant, request for a permit to conduct regulated activity to construct an addition with a one car garage to an existing home and associated site improvements at 1 Crystal Street, APN 149-069-0000.

IV. OLD BUSINESS:

V. NEW BUSINESS:

1. IW202101 – Joseph & Holly Ann Dzen owner/ Joseph Dzen, applicant, request for acceptance to construct a farm pond essential to the farming operation within the upland review area as a use permitted as of right at 261 Windsorville Road, APN 014-006-0015.
2. IW202103 – Minor, LLC owner/ Andrew LaRoche, applicant, request for acceptance to harvest timber as a use permitted as of right at 50 East Shore Road, APN 169-045-0015.
3. IW202104 – William & Christa Burke, owner/applicant, request for acceptance to clear woodland to create pasture for cattle as a use permitted as of right at 95 Wapping Wood Road, APN 001-002-0000.

VI. ADMINISTRATIVE BUSINESS:

1. Approval of the January 11, 2021 Regular Meeting Minutes.
2. Correspondence/Discussion:
 - a. Use of aerators on docks and walls within Crystal Lake.
 - b. CT DEEP Applications for Use of Pesticides in State Waters.

VII. ADJOURNMENT:

Join Meeting via ZOOM Communications: Due to COVID-19, in-person attendance is limited to maximum occupancy based on fixed seating arrangements meeting social distancing requirements. Attendance for this meeting is also available using the online video conferencing provider Zoom Meeting. Details to attend the meeting virtually are provided on this meeting agenda and posted on the Town of Ellington's webpage (www.ellington-ct.gov) under Agenda & Minutes, Inland Wetlands Agency. For questions and assistance please contact the Ellington Planning Department at 860-870-3120.

Join Zoom Meeting:
<https://zoom.us/j/93018363103>
Meeting ID: 930 1836 3103
Password: 528048

Dial by your location:
+1 646 558 8656 US (New York)
Meeting ID: 930 1836 3103
Password: 528048

Next Regular Meeting is scheduled for April 12, 2021

Town of Ellington Inland Wetlands and Watercourses Agency Application

Application # IN 202102
Date Submitted Feb. 5, 2021

<p>Notices associated with this application will be sent to the applicant unless otherwise requested.</p> <p>Owner's Information</p> <p>Name: <u>Andrian & Cheryl Kebalo</u></p> <p>Mailing Address: <u>1 Crystal St.</u> <u>Ellington Ct.</u></p> <p>Email: <u>ask@kebal.com</u></p> <p>WHEN NOT REQUIRED BY LAW TO MAIL NOTICE BY USPS, MAY NOTICES BE EMAILED TO YOU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Primary Contact Phone #: <u>860-883-1391</u></p> <p>Secondary Contact Phone #: <u>860-810-8491</u></p> <p>Owner's Signature: <u></u> Date: <u>2-4-21</u></p> <p><small>By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted. Moreover, by signing above I/we expressly provide written consent to the filing of the application and access to the site by the Agency or its staff.</small></p>	<p>Notices associated with this application will be sent to the applicant unless otherwise requested.</p> <p>Applicant's Information (if different than owner)</p> <p>Name: <u>same</u></p> <p>Mailing Address: _____</p> <p>Email: _____</p> <p>WHEN NOT REQUIRED BY LAW TO MAIL NOTICE BY USPS, MAY NOTICES BE EMAILED TO YOU? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Primary Contact Phone #: _____</p> <p>Secondary Contact Phone #: _____</p> <p>Applicant's Signature: _____ Date: _____</p> <p><small>By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted.</small></p>
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Street Address: 1 Crystal St.

Assessor's Parcel Number (APN): 149 - 069 - 0000

Proposed upland review area affected in square feet: +/- 720 sq/ft

Proposed wetlands/watercourses affected in square feet and linear feet (as applicable): +/- 720 sq/ft

Total area of wetlands/watercourses on parcel in square feet or acres: 0

Public Water: Yes No Public Sewer: Yes No *If not served by public water and sewer, applicant shall make application to North Central District Health Department (Enfield Office) if required.*

Is the project in a public water supply watershed area? Yes No
If YES, applicant is required to notify the Connecticut Water Company and Commissioner of Public Health by certified mail, return receipt within 7 days of this application (Conn. Gen Stat. Sec 22a-42f). Copy of application, plans, and supporting documents must accompany notice. Applicant can email the Commissioner of Public Health using their approved form. Proof of notice (return receipt and sent email) must be provided to the Planning Department.

Describe the nature of proposed regulated activity, request for acceptance of a permitted use as of right or a nonregulated use, map or regulation amendment, or other activity requiring review by the Agency or its Agent:
See attached Application Checklist and Appendix D for guidance when preparing application

See attached

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Applicant shall provide certification in accordance with Wetlands Regulation, Section 7.4e, Application Requirements:

Whether or not any portion of the property on which the regulated activity is proposed is located within 500 feet of an adjoining town. Yes No

Whether or not a significant portion of the traffic to the completed project will use streets within an adjoining town to exit or enter the site. Yes No

Whether or not a significant portion of the sewer or water drainage from the project will flow through and significantly impact the sewer or water drainage system of an adjoining town. Yes No

Whether water run off from the improved site will impact streets or other municipal/private property within an adjoining town. Yes No

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If YES to any of the above, the Agency shall, in accordance with CGS 8-7d(f) notify the clerk of any adjoining municipality of the pendency of any application, petition, appeal, request or plan concerning any project on any site. Notice of the pendency of such application shall be made by certified mail, return receipt requested, and shall be mailed within seven (7) days of the date of receipt of the application, petition, appeal, request or plan. (See Agency requirements Section 8.4)

Type of Project: (check one)

Commercial/Industrial Residential Mixed Use Timber Agricultural
 Other, explain: _____

Type of Application: (check one)

- Notification for Non-Regulated Use (Section 4.2)
- Notification of Permitted Use as of Right (Section 4.1)
- Administrative Permit (Section 6.4)
- Agency Permit (**TWELVE COPIES REQUIRED**)
- Permit Modification
- Permit Extension
- Regulation Amendment
- Map Amendment
- Appeal of Administrative Permit

Application Submittals:

- Completed Application Form (Section 7.4a)
- Application Fee (Section 7.4b)
- Abutters List (Section 7.4c)
- Certification as to Adjacent Towns (See above)
- Certification as to Connecticut Water Company & Commissioner of Public Health (See above)
- Notification Narrative and Supporting Documentation (If applicable, Appendix D)
- Project Narrative and Supporting Documentation (Section 7.4g, 1-11 inclusive, as deemed applicable)
- Project Site Plan - circle one: Administrative (Section 7.4h1) / Agency (Section 7.4h2)
- Supplemental Information (Section 7.5a-j, inclusive, as deemed applicable)

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Inland Wetlands & Watercourse Application Narrative

2-5-21

Please except this narrative regarding proposed activity and erosion control measures. The subject property is 1 Crystal St. A one car garage addition to an existing single family home is proposed.

The proposed addition will affect +/- 900 sq/ft of the regulated 100' upland review of Crystal Lake. No watercourses or wetlands are expected to be impacted. The proposed permanent affected area is +/- 720 with the remainder being temporarily impacted for staging and construction activities.

Most of the regulated area being affected is lawn that that slopes Northerly toward Crystal Lake from elev. +/- 643 to +/-639 in 100' or about 4%. The remaining affected area slopes Southerly from the garage addition toward Crystal St, at approx. 1%. A non-conforming 8'-6" X 16' shed will be removed as part of this proposal. (see pics)

The proposed addition is a one car garage with storage area to the rear and will have a second floor. Construction methods will be slab on grade with a frost wall that will utilize conventional standard timber framing, materials and methods. This addition will solve many problems we have. It will give us a much needed second garage and storage area for mowers, canoes etc. allowing us to remove the shed. In addition it solves the entry issue that we have from the existing garage into the house, which currently is too narrow and not up to industry standards.

The anticipated construction will be 1 year, pending startup date and any unforeseen issues. Prior to start of construction, the site will be stabilized and erosion controls will be installed according to plans.

The applicant is proposing a silt fence at the limit of work to minimize any potential impact to Crystal Lake. (see attached plan) The lot is existing non-conforming and due to it's small lot size, nature and use of the property is such that no water retention is proposed. In addition, no substantial changes in water volume or course are expected.

The project increases the impervious by +/-422 sq/ft taking into consideration the removal of the existing 136 sq/ft shed. The total proposed impervious is +/- 2425.5 sq/ft or approx. 26% and is +/- 99.5 sq/ft over the allowable 25% lot coverage. If necessary, the applicant proposes using a porous asphalt mix or permeable pavers on the +/-502 sq/ft driveway to reduce the impervious to allowable limits. See enclosed product spec. sheets. The proposed new driveway is roughly in the same location as the existing one.

Pg 1 of 2

This project will also need the approval from the Zoning Board of Appeals for a variance to the front & side yard setbacks. An alternate plan was considered that would have met the front and side yard setbacks, however that plan would of increased impervious coverage by an additional +/- 150 sq/ft, for a longer driveway. In addition, it would of resulted in an expansion toward Crystal Lake and increased the amount of disturbance within the regulated area.

A plan will also be submitted to the local health department for approval as there is a well on-sight. The slab-on grade construction requires no underdrain.

Andy Kebalo, Applicant



2-5-21

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1 Crystal St. Impervious calculations

2-5-21

Lot size 9,304sq/ft, allowable impervious coverage %25 or 2326sq/ft

Existing home with hatchway 1077.5 sq/ft

Existing Garage 288 sq/ft

Existing shed (16'x8'-6") -136 sq/ft To be removed

New addition 558 sq/ft

New Driveway +/-502 sq/ft

Approx. Impervious is 26% with proposed addition or

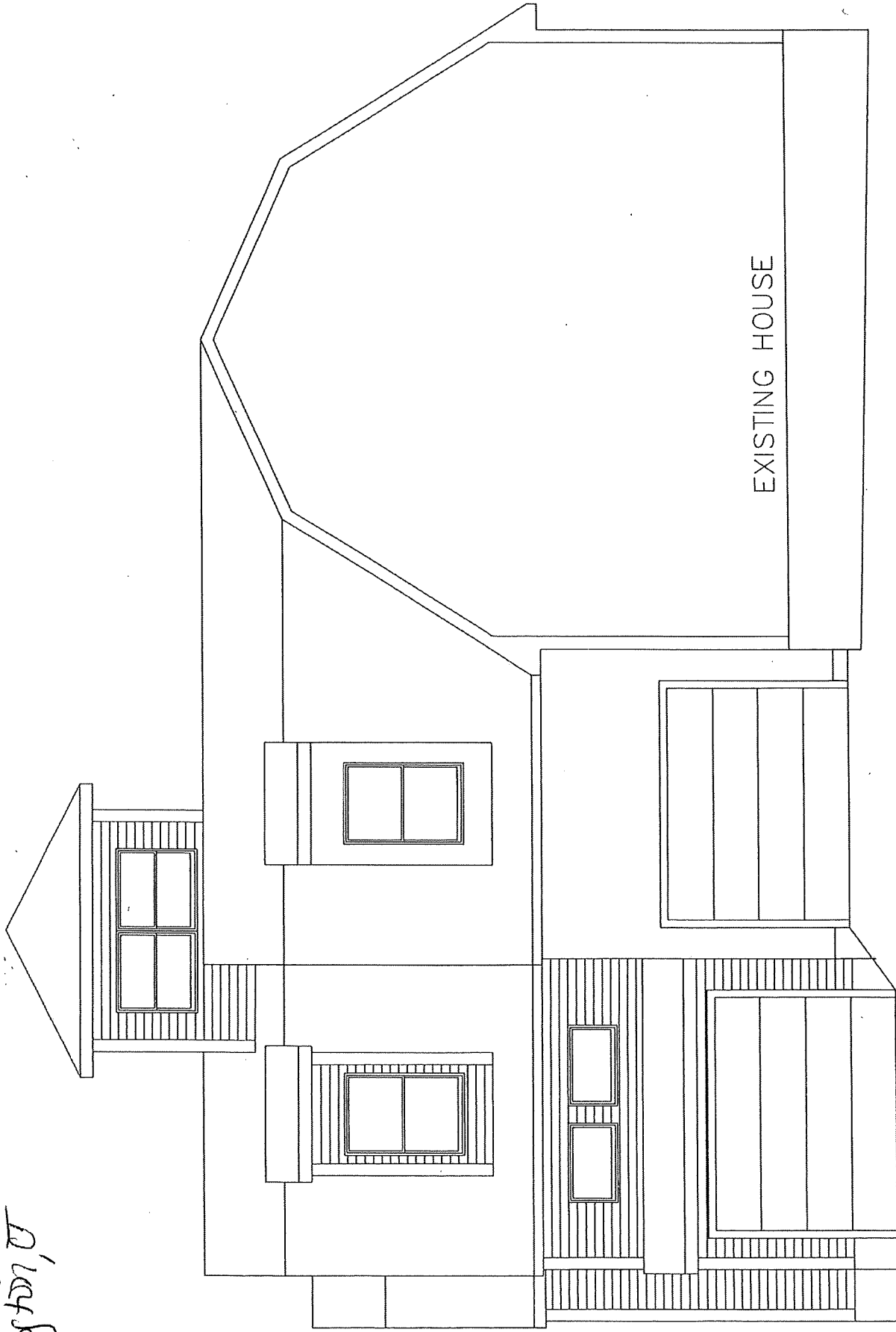
Total 2425.5-2326= +/- 99.5 sq/ft out of compliance

If necessary, the applicant proposes using a porous asphalt mix or permeable pavers on the driveway to reduce the impervious to allowable limits. See plan for product specs.

The new proposed driveway roughly in the same location as the existing.

The existing, non-conforming 16"x8-6"" shed will be removed. Apprx 136 sq/ft

10 MYSTIC ST
ELLINGTON, CT



EXISTING HOUSE

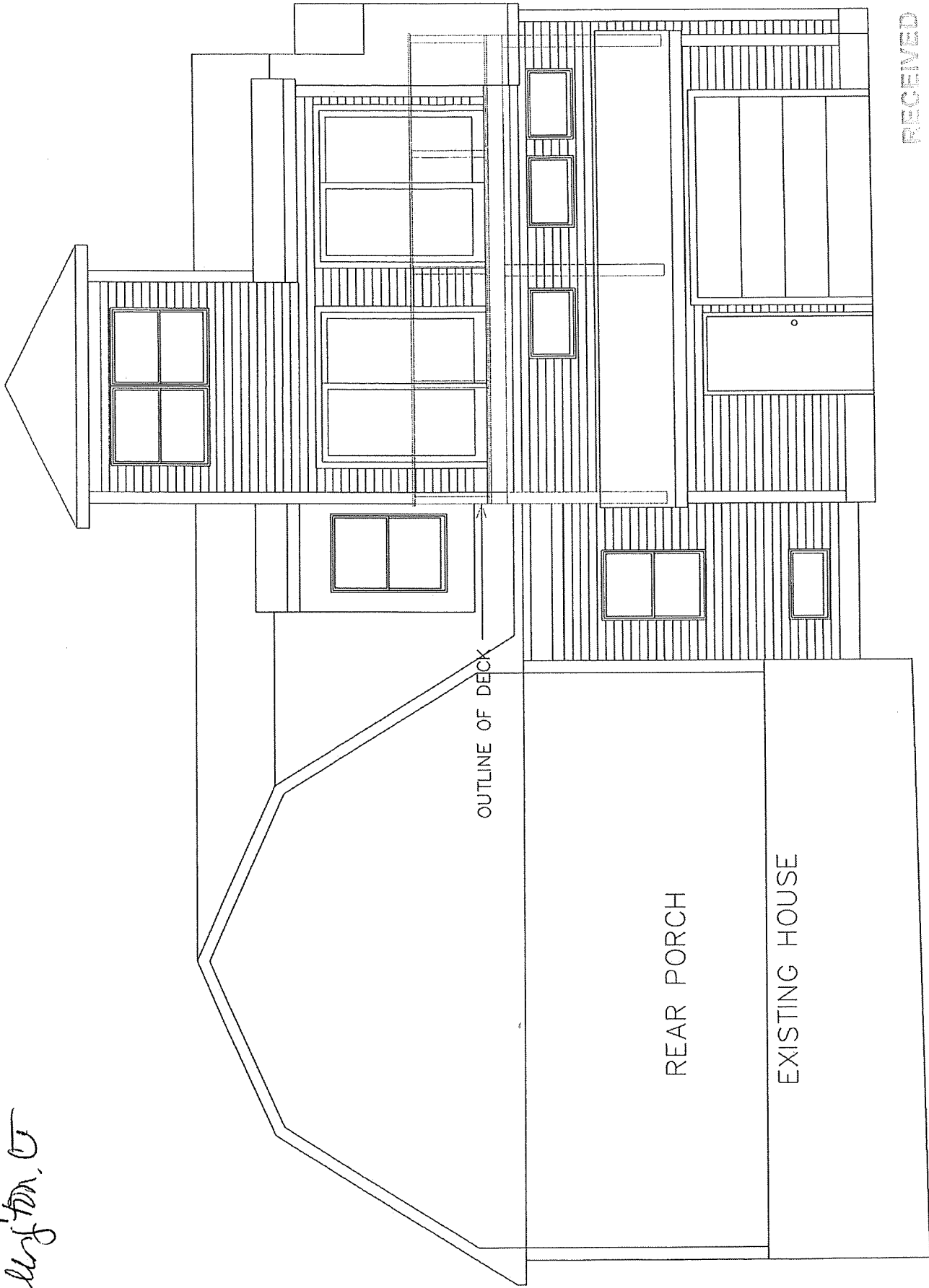
FRONT ELEVATION

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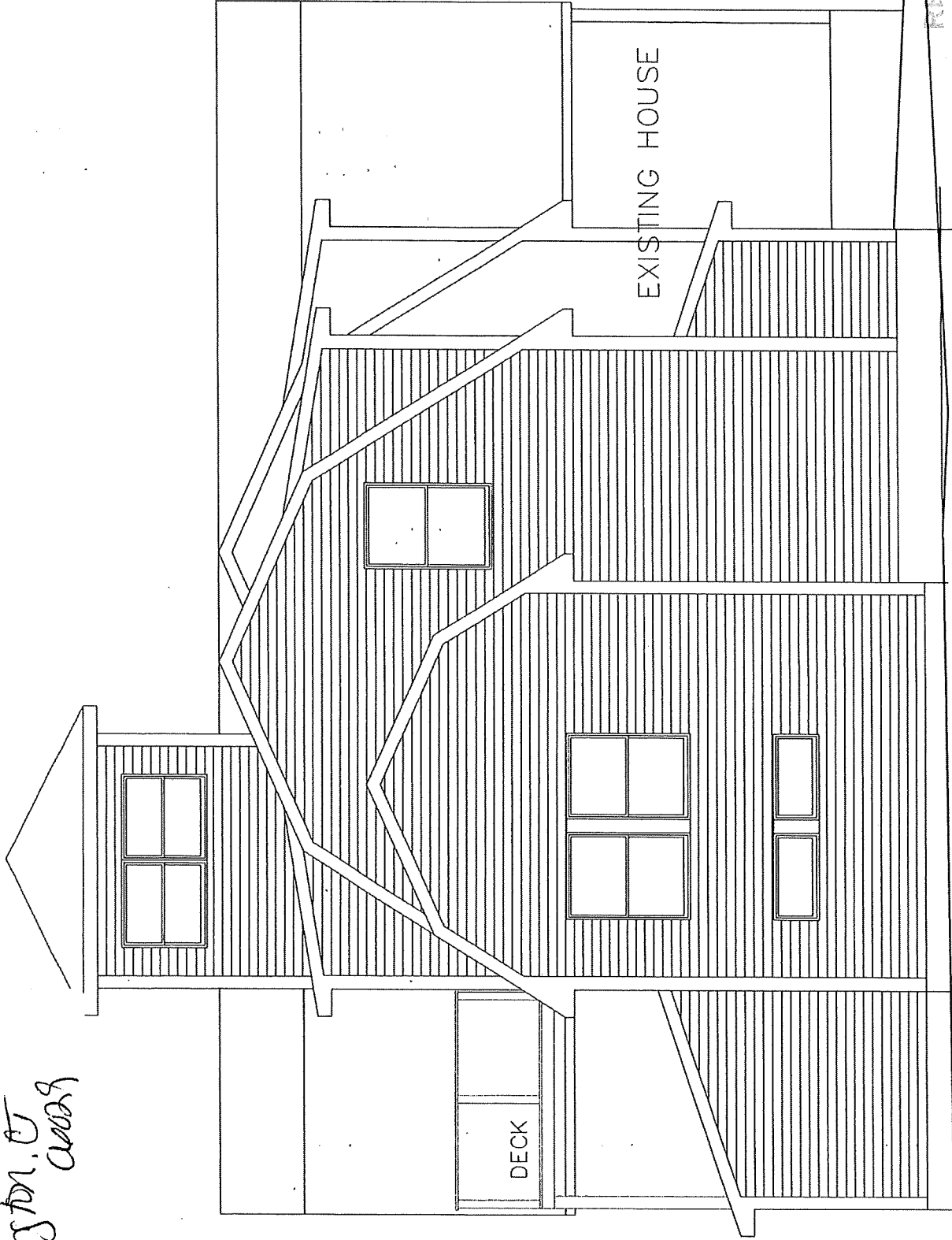
One Crystal St
Ellington, CT



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REAR ELEVATION

1 Crystal St
Edlington, CT
06028



EXISTING HOUSE

DECK

LEFT SIDE ELEVATION

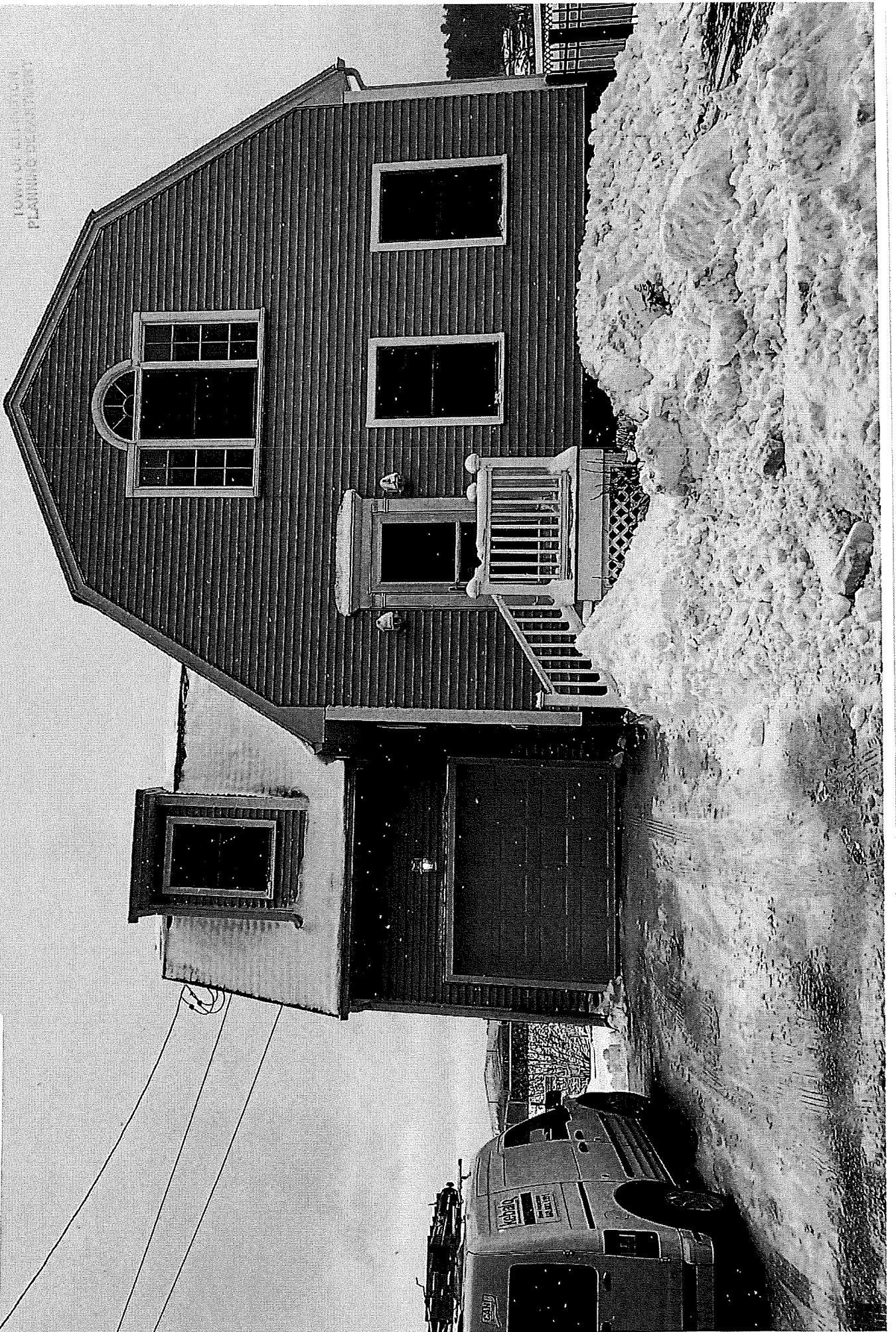
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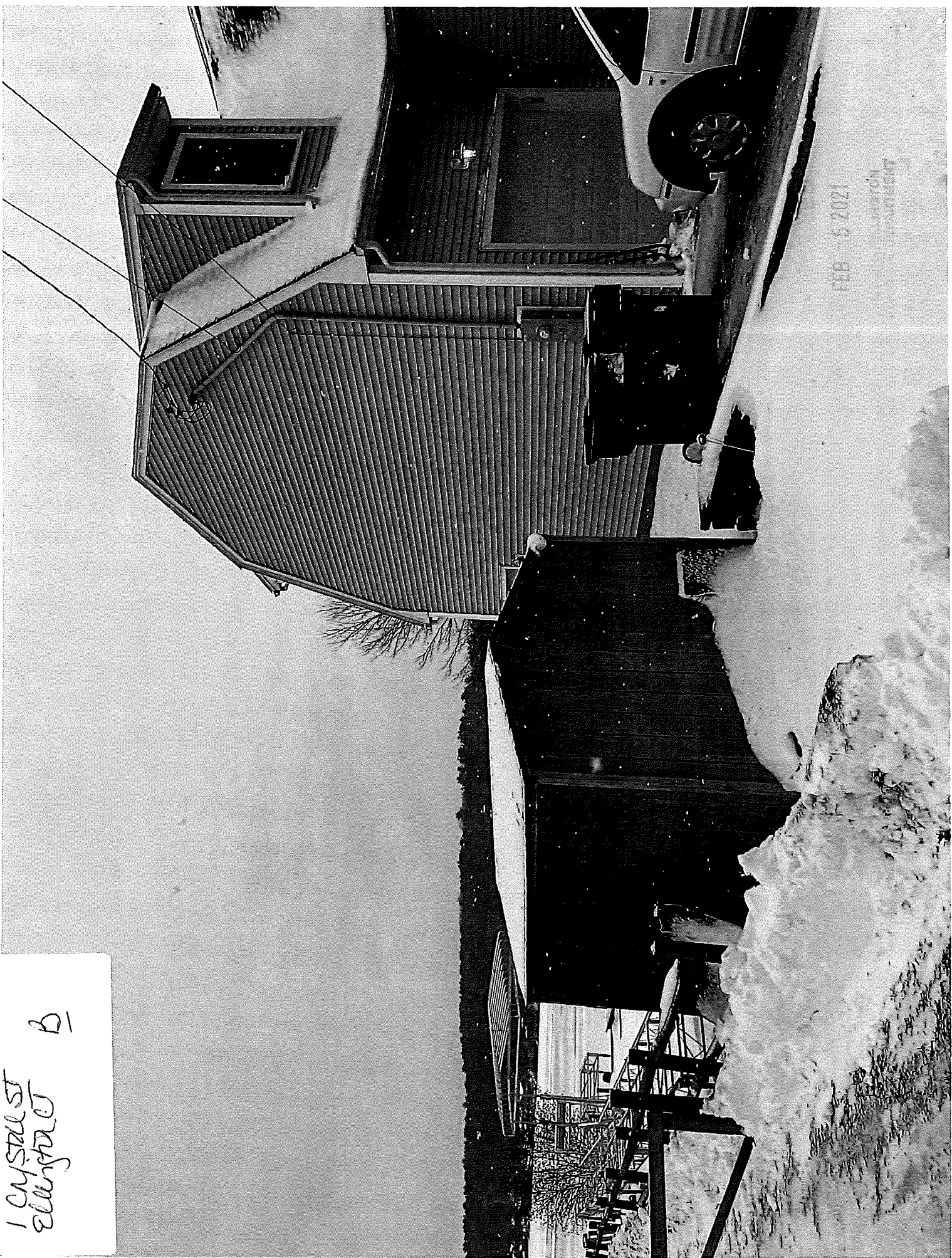
1 Crystal St
Ellington, CT
Street View

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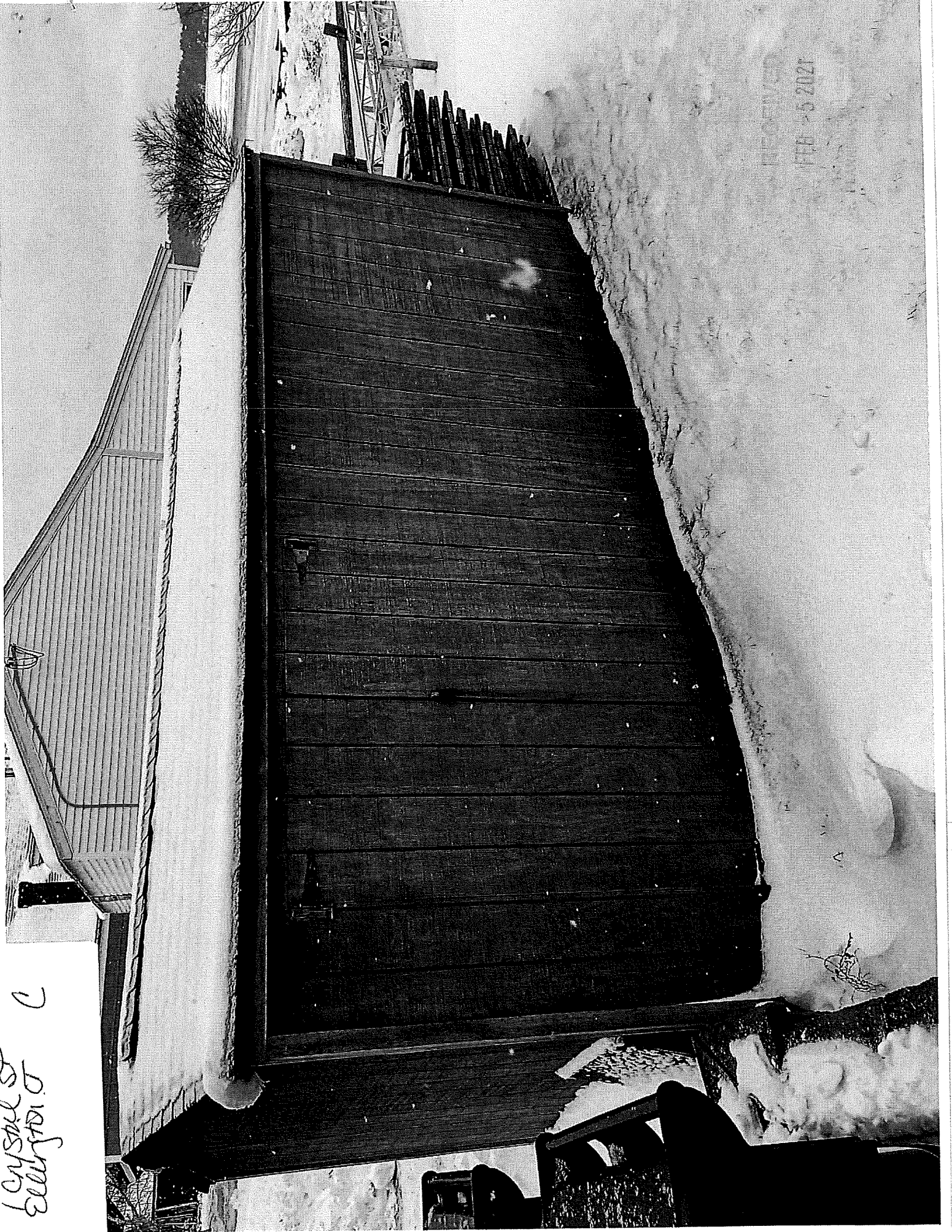


1 CRYSTAL ST
ELANGETT CT



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Crystal St
Bellingham, WA



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1 Crystal St
Ellington CT D



Crystal St
Ellington, CT
REAR VIEW



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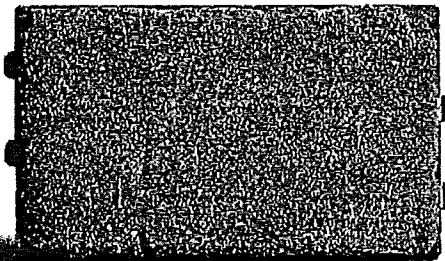
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PERMEABLE PAVERS

DRIVEWAYS, PERMEABLE DRIVEWAYS & PATIOS



PHYSICAL AND GEOMETRICAL CHARACTERISTICS

CHARACTERISTICS	ASTM C936
Compressive strength	8000 psi [55 MPa] min.
Absorption	5 % max.
Resistance to freezing and thawing	Mass loss (max.): 225 g/m ² at 28 cycles 500 g/m ² at 49 cycles
Dimensional tolerance	Length and Width: ± 0.063 in. [1.6 mm] Thickness: ± 0.125 in. [3.2 mm]

Notes: Dimensional tolerances prior to the application of architectural finishes.

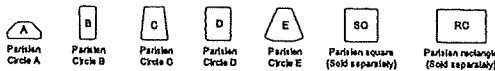
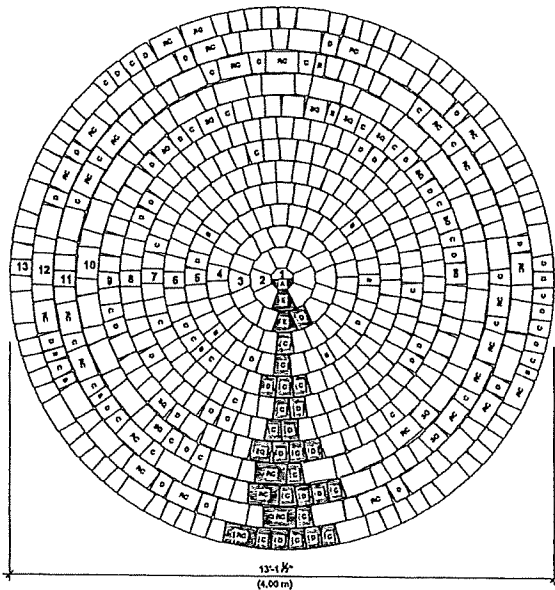
INSTALLATION GUIDE

PARISIEN CIRCLE - LAYING PATTERN

13'-1 1/2" (4.00 M) DIAMETER CIRCLE

The Parisien Circle can be extended up to 13'-1 1/2" (4.00 m) diameter by using (note that there will be a surplus of materials):

- 2 pallets of Parisien Circle
- 1 row of a pallet of Parisien Square
- 3 rows of a pallet of Parisien Rectangle



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

RING	DIAMETER		SURFACE AREA		UNITS						
	ft	m	ft ²	m ²	A	B	C	D	E	SQ	RC
1	0'-6 5/16"	0.16	0.22	0.02	2	-	-	-	-	-	-
2	1'-6 7/8"	0.48	1.95	0.18	-	-	-	-	8	-	-
3	2'-7 1/2"	0.80	5.41	0.50	-	-	-	8	8	-	-
4	3'-8 1/8"	1.12	10.60	0.99	-	-	26	-	-	-	-
5	4'-8 11/16"	1.44	17.53	1.63	-	5	28	3	-	-	-
6	5'-9 5/16"	1.76	26.19	2.43	-	1	28	14	-	-	-
7	6'-9 7/8"	2.08	36.57	3.40	-	-	28	23	-	-	-
8	7'-10 1/2"	2.40	48.69	4.52	-	-	25	34	-	-	-
9	8'-11 1/16"	2.72	62.54	5.81	-	1	17	25	-	18	-
10	9'-11 11/16"	3.04	78.13	7.26	-	-	25	1	-	2	24
11	11'-0 5/16"	3.36	95.44	8.87	-	2	28	15	-	1	20
12	12'-0 7/8"	3.68	114.48	10.64	-	2	20	11	-	-	30
13	13'-1 1/2"	4.00	135.26	12.57	-	1	42	29	-	-	15
TOTAL					2	12	267	163	16	21	89



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FOR THE RECORD
PLANNING DEPARTMENT

INSTALLATION GUIDE

TYPICAL APPLICATION USAGE

PERMEABLE
PAVERS

SECTOR	TRAFFIC TYPE & APPLICATIONS	PERMEABLE PAVERS
RESIDENTIAL	  <p>1. Light traffic Cars and occasional light service trucks (ex. residential driveways)</p>	<ul style="list-style-type: none"> - Antika - Aquastorm - Blu 80 mm - Inflo - Mika - Mista Random - Pure - Travertina Raw - Valet - Victorien 60 mm permeable - Villagio
	  <p>2. Pedestrian Pedestrian only and at all times ex. patios)</p>	<ul style="list-style-type: none"> - Antika - Aquastorm - Blu 80 mm - Blu 60 mm - Inflo - Mika - Mista Random - Pure - Travertina Raw - Valet - Victorien 60 mm permeable - Villagio
ICI (Industrial, Commercial and Institutional)	  <p>3. Road traffic Cars, heavy trucks, buses (ex. boulevards, main or secondary streets, pedestrian crossings, industrial, ports and airport areas)</p>	<ul style="list-style-type: none"> - Inflo
	  <p>4. Light traffic Cars and occasional light service trucks (ex. parking lots, sidewalks)</p>	<ul style="list-style-type: none"> - Aquastorm - Inflo - Pure
	  <p>5. Pedestrian Pedestrian only and at all times, without cars, or trucks or other mobile equipment (ex. terraces, parks, pedestrian walkways)</p>	<ul style="list-style-type: none"> - Aquastorm - Inflo - Pure

INSTALLATION GUIDE

INFILTRATION CHART

PERMEABLE PAVERS	PERCENT OF SURFACE OPENING (%)	JOINT WIDTH (mm)	INFILTRATION RATE ¹ (mm/h)
ANTIKA ²	Variable	Variable	993 in./hr (25 227 mm/hr)
AQUASTORM	38.4	1 5/8" (41 mm)	To come
BLU 80 mm ²	3.0	9/32" (7 mm)	570 in./hr (14 475 mm/hr)
BLU 80 mm (6x13) ²	4.6	9/32" (7 mm)	570 in./hr (14 475 mm/hr)
INFLO ¹	5.8	1/2" (13 mm)	837 in./hr (21 267 mm/hr)
MIKA	7.8	5/8" (15 mm)	To come
MISTA RANDOM ¹	6.3	3/16" (4 mm) to 9/16" (14 mm)	610 in./hr (15 505 mm/hr)
PURE ²	5.0	3/8" (10 mm)	726 in./hr (18 440 mm/hr)
TRAVERTINA RAW	7.8	5/8" (15 mm)	To come
VALET	5.9	9/32" (7 mm)	To come
VICTORIEN 60 mm PERMEABLE ¹	9.6	3/8" (10 mm)	909 in./hr (23 085 mm/hr)
VILLAGIO ¹	8.0	3/8" (9 mm) to 9/16" (15 mm)	896 in./hr (22 750 mm/hr)
PERMEABLE SLABS	PERCENT OF SURFACE OPENING (%)	JOINT WIDTH (mm)	INFILTRATION RATE ¹ (mm/h)
BLU 60 mm ²	3.0	9/32" (7 mm)	570 in./hr (14 475 mm/hr)
BLU 60 mm (6x13) ²	4.6	9/32" (7 mm)	570 in./hr (14 475 mm/hr)

¹Measurements were taken at various sites in conformity to the standard ASTM C 1701-09.

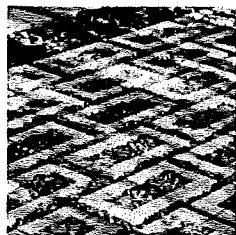
²Measurements were taken at various sites in conformity to the standard ASTM C 1781.

OTHER PERMEABLE POSSIBILITIES



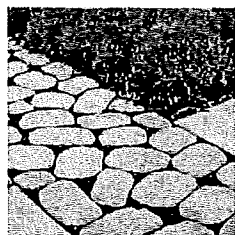
**BLU 60 MM
SLAB**

(page 23 to 27)



**AQUASTORM
PAVER**

(page 50)



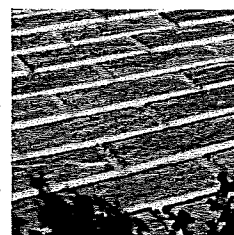
**ANTIKA
PAVER**

(page 49)



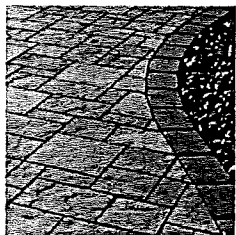
**BLU 80 MM
PAVER**

(page 53 to 56)



**MIKA
PAVER**

(page 70)



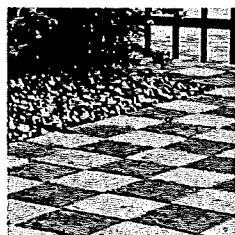
**MISTA RANDOM
PAVER**

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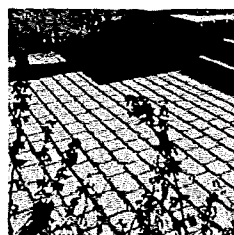
**TRAVERTINA RAW
PAVER**

(page 79)



**VALET
PAVER**

(page 80)



**VILLAGIO
PAVER**

(page 82)

INSTALLATION GUIDE

SEGMENTAL PERMEABLE PAVEMENT



INSTALLATION OUTLINE

01 DATA COLLECTION

- A. Determine the size, shape, and intended use of finished areas (i.e. residential driveway, secondary commercial parking, etc.).
- B. Classify sub-grade soils.
- C. Document all existing conditions (i.e. fixed points, existing grades, site contours, etc.).
- D. Document soil type, location, and elevation of below grade and overhead utilities both public and private.
- E. Ensure public utilities are marked through the use of a locating service.
- F. Determine the cross section design of the system based on soil type and application, showing proposed sub-grade and finished grade elevations and all geotextiles and drainage pipes needed for the construction.
- G. Establish the type, location, and elevation of relief structures if required (i.e. overflow pipe discharging to rain garden, etc.).
- H. Determine the curb or edge restraint type, elevation, and location.
- I. Choose a pattern appropriate to the application (traffic type and load).

02 EXCAVATION

- A. Before digging, contact the concerned companies if wires or pipes are located in the area to be excavated.
- B. Excavation depth is determined from the foundation thickness according to the project specifications (foundation thickness is determined by a qualified engineer based on structural and hydrological analyses).
- C. Although the slope of the sub-grade will depend on the drainage design and infiltration type, a minimum slope of 0.5% (1/16" per ft, or 5 mm per meter) is recommended.
- D. The distance that the excavated area should extend beyond the area to be paved should be one to 1.5 times the thickness of the foundation. This extra space will ensure the stability of the pavers near the edge and the edge restraints.
- E. Level the bottom of the excavated area with a rake.

Compaction will reduce the permeability of the sub-grade and it should be executed according to the project specifications. If compaction is not specified, care should be taken to maintain undisturbed soil infiltration during excavation and construction. Stabilization of the sub-grade may be required with weak, continually saturated soils, or when subject to high traffic conditions. If the compaction or stabilization of sub-grade is necessary, reduced infiltration may require drainage pipes within the sub-base to conform to storm water drainage requirements.

03 GEOTEXTILE, IMPERMEABLE LINERS, AND DRAIN PIPES

- A. Use the geotextile specified and install it according to project specifications. The use of a woven geotextile with bi-axel strength that meets design criteria is recommended.
- B. Place the geotextile on the bottom and sides of the soil sub-grade. Eliminate wrinkles in the geotextile and ensure it is not damaged during construction.
- C. Overlap of geotextile should be a minimum of 2' (600 mm) in the direction of drainage. Overlapping should be "shingle" style with respect to any slope direction and base stone distribution direction. Keep properly tensioned, eliminate wrinkles, and avoid damaging fabric (no spikes).
- D. If impermeable liners are required, install them according to project specifications and manufacturer's instructions. Impermeable liners are used when full exfiltration from the reservoir (sub-base and base) into the underlying sub grade is not allowed (no infiltration design). Perforated drainage pipes are usually required in no infiltration and partial infiltration designs.
- E. If drainage pipes are required, install them according to project specifications. The aggregate cover over drainage pipes should be at least 12" (300 mm) to protect them from damage during sub-base or base compaction.

INSTALLATION GUIDE

SEGMENTAL PERMEABLE PAVEMENT

04 SUB-BASE

For residential pedestrian applications, the sub-base may not be required and then only ASTM No. 57 (CSA 5-28) aggregate base layer with a minimum thickness of 6" (150 mm) can be used (use a thicker base for additional water storage). Refer to Base (see below 06).

When traffic load, soil conditions, and climate require greater than 12" (300 mm) of base or volume requirements for detention are higher, a sub-base may be required. Use sub-base ASTM No. 2 or No. 3 (CSA 40-80) meeting the following requirements:

- 90% fractured symmetrical particles
 - Less than 5% passing the 200 sieve
 - Industry hardness tested
- A. Moisten, spread and compact the ASTM No. 2 (CSA 40-80) aggregate sub-base in minimum 6" (150 mm) lifts (without distorting or damaging the geotextile) according to the project specifications.
 - B. Make at least two passes in the vibratory mode followed by at least two passes in the static mode with a minimum 10 ton (9 metric ton) vibratory roller, until there is no visible movement of the aggregate. Alternately, a 13,500 lbf (60 kN) plate compactor can be used to compact the ASTM No. 2 (CSA 40-80) aggregate sub-base.
 - C. Do not allow the compactor to crush the aggregate.
 - D. Surface tolerance of the ASTM No. 2 (CSA 40-80) sub-base should be $\pm 2 \frac{1}{2}$ " (64 mm) over 10' (3 m).

05 EDGE RESTRAINT

- A. Install edge restraint according to project specifications.
- B. Depending on the design, the top of the edge restraint can be hidden or exposed.
- C. Install Avignon, Belgik, Pietra, Tundra or Universal edge units. Cast-in-place concrete or precast concrete curbs should be considered in vehicular use applications (commercial/industrial driveways, parking lots or streets).
- D. Edge restraint may rest on an open-graded or dense-graded aggregate base.

06 BASE

- A. Moisten, spread and compact the ASTM No. 57 (CSA 5-28) aggregate base layer in one 4" (100 mm) thick lift.
- B. Make a minimum of two passes in vibratory mode followed by at least two in static mode with a minimum 10 ton (9 metric ton) vibratory roller, until there is no visible movement of the aggregate. Alternately, a 13,500 lbf (60 kN) plate compactor can be used to compact the ASTM No. 57 (CSA 5-28) aggregate base.
- C. Do not allow the compactor to crush the aggregate.
- D. Surface tolerance of the ASTM No. 57 (CSA 5-28) base should be ± 1 " (25 mm) over 10' (3 m). Verify prior to setting bed installation.

07 BEDDING COURSE

- A. Moisten, spread and screed the ASTM No. 8 (CSA 2.5-10) aggregate bedding layer in one 2" (50 mm) thick lift.
- B. Surface tolerance of the ASTM No. 8 (CSA 2.5-10) bedding course should be $3 \frac{3}{8}$ " (10 mm) over 10' (3 m).
- C. Construction equipment and pedestrian traffic on the screeded bedding course should not be permitted.

08 PAVER

- A. Pavers should be placed in the pattern shown on the drawings. Lay units hand tight to designated laying patterns. Units have lugs to maintain consistent joint width.
- B. In sloped conditions, it is preferable to start laying from the bottom in an uphill direction.
- C. The minimum slope recommended for permeable pavement surface is 1%.
- D. Info pavers can be installed with the TB100SI (Techo-Bloc mechanical tool) to expedite installation.
- E. When subject to vehicular traffic, cut units should not be smaller than $\frac{1}{3}$ of a whole paver. When using cut pieces, maintain joint.
- F. In vehicular applications, pattern strength will increase if laying pattern is perpendicular to traffic flow.

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PLANNING

INSTALLATION GUIDE

SEGMENTAL PERMEABLE PAVEMENT

09 JOINT FILL

- A. Fill the paver joint openings with ASTM No. 8 (CSA 2.5-10) aggregate (or No. 89, No. 9 depending on joint width). Sweep stone to fill joints. Surface must be swept clean prior to compaction.
- B. Compact with a minimum 5,000 lbf (22 kN) plate compactor (two passes minimum). The installation of a neoprene pad is recommended to protect the texture of the paving units.
- C. Do not compact within 6' (1.8 m) of unrestrained edges of the pavers.
- D. Apply additional aggregate to fill the joint openings if needed and compact.
- E. Surface tolerance of compacted pavers should be $\pm 3/8"$ (10 mm) over 10' (3 m).

APPROXIMATE MEASURES

Clean stone quantity in kg (lb) to cover an area of 1 m² (1 pi²) to fill between joints.
It is recommended to always start with a small area.

PRODUCTS	JOINT FILL MATERIAL	(lbs/sq. ft)	(kg/sq. m)
Antika	ASTM No. 8 (CSA 2.5 - 10) (1/4")	1.9	9.3
Aquastorm	ASTM No. 8 (CSA 2.5 - 10) (1/4")	12.2	59.5
Blu 60 mm	ASTM No. 9 (CSA 2.5 - 5) (1/8")	0.6	3.0
Blu 60 mm (6x13)	ASTM No. 9 (CSA 2.5 - 5) (1/8")	0.9	4.2
Blu 80 mm	ASTM No. 9 (CSA 2.5 - 5) (1/8")	0.8	4.0
Blu 80 mm (6x13)	ASTM No. 9 (CSA 2.5 - 5) (1/8")	1.2	5.7
Inflo	ASTM No. 8 (CSA 2.5 - 10) (1/4")	2.1	10.3
Mika	ASTM No. 8 (CSA 2.5 - 10) (1/4")	2.5	12.2
Mista random	ASTM No. 9 (CSA 2.5 - 5) (1/8")	1.0	5.0
Pure	ASTM No. 9 (CSA 2.5 - 5) (1/8")	1.4	7.0
Travertina Raw	ASTM No. 8 (CSA 2.5 - 10) (1/4")	2.5	12.2
Valet	ASTM No. 9 (CSA 2.5 - 5) (1/8")	1.3	6.2
Victorien 60 mm permeable	ASTM No. 9 (CSA 2.5 - 5) (1/8")	1.7	8.5
Villagio	ASTM No. 8 (CSA 2.5 - 10) (1/4")	2.1	10.2

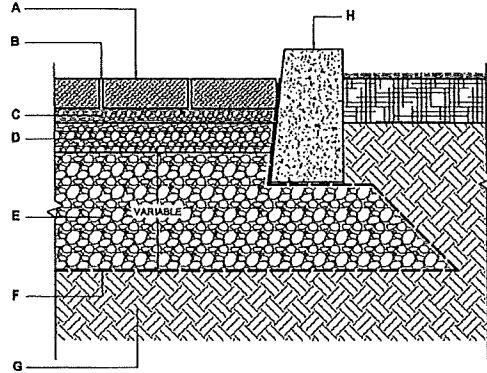
10 POST INSTALLATION PROTECTION

Prevent contamination of the porous (permeable) pavement system from fine aggregates and debris by maintaining erosion and sedimentation (E&S) measures at the perimeter.

PERMEABLE
PAVERS

INSTALLATION GUIDE

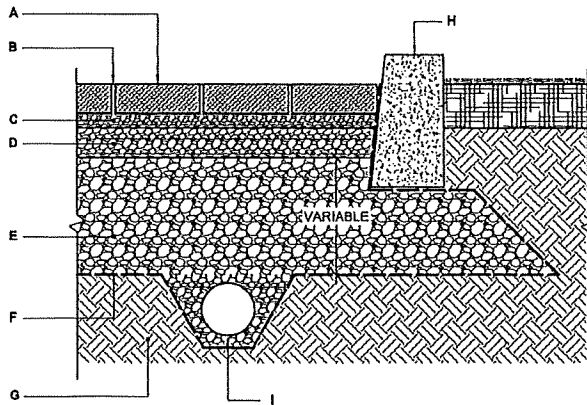
SEGMENTAL PERMEABLE PAVEMENT



- A. PERMEABLE PAVER FROM TECO-BLOC
- B. JOINT FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C. BEDDING COURSE 1 1/2" to 2" (40 to 50 mm)
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D. BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E. SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F. GEOTEXTILE
- G. SUBGRADE
- H. CONCRETE EDGE

SEGMENTAL PERMEABLE PAVEMENT – FULL INFILTRATION

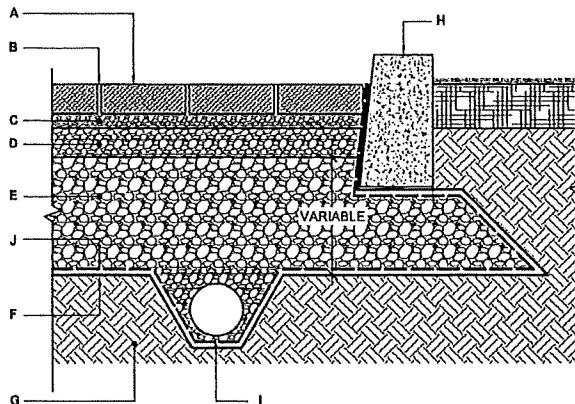
Typical cross section



- A. PERMEABLE PAVER FROM TECO-BLOC
- B. JOINT FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C. BEDDING COURSE 1 1/2" to 2" (40 to 50 mm)
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D. BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E. SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F. GEOTEXTILE
- G. SUBGRADE
- H. CONCRETE EDGE
- I. PERFORATED DRAIN CONNECTED TO
DRAINAGE SYSTEM

SEGMENTAL PERMEABLE PAVEMENT – PARTIAL INFILTRATION

Typical cross section



- A. PERMEABLE PAVER FROM TECO-BLOC
- B. JOINT FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C. BEDDING COURSE 1 1/2" to 2" (40 to 50 mm)
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D. BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E. SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F. IMPERMEABLE MEMBRANE
- G. SUBGRADE
- H. CONCRETE EDGE
- I. PERFORATED DRAIN CONNECTED TO
DRAINAGE SYSTEM

SEGMENTAL PERMEABLE PAVEMENT – NO INFILTRATION

Typical cross section

PERMEABLE
PAVERS



BLU 80 mm

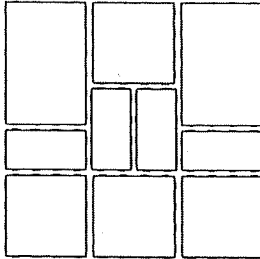
DESCRIPTION: Paver TEXTURE: Smooth and HD² Smooth

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TOWN OF DUNSTON
PLANNING DEPARTMENT

PALLET OVERVIEW



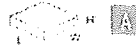
Specifications per pallet	Imperial	Metric
Cubing	84.96 ft ²	7.90 m ²
Approx. Weight Smooth	3 095 lbs	1 404 kg
Approx. Weight Smooth HD ²	3 280 lbs	1 488 kg
Number of rows	8	
Coverage per row	10.62 ft ²	0.99 m ²
Linear coverage per row	9.75 lin. ft	2.97 lin. m





NOTES

See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 93 to 99 for more technical information.

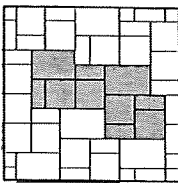
JOINT WIDTH: 9/32" (7 mm)
% OF SURFACE OPENING: 3.0 %
INFILTRATION RATE: 570 in./hr
 (14 475 mm/hr)

Unit dimensions	In		mm		Units/pallet
	Height	Width	Height	Width	
 A	3 1/8	13	80	330	32 units
	6 1/2	19 1/2	165	495	
	Length				

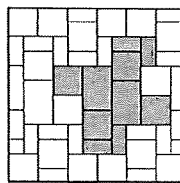
 B	Height	3 1/8	80	32 units
	Width	13	330	
	Length	13	330	

 C	Height	3 1/8	80	16 units
	Width	13	330	
	Length	19 1/2	495	

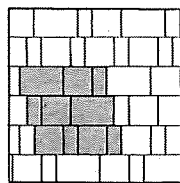
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

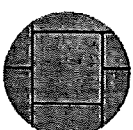
Chestnut Brown

HD² Smooth
Smooth



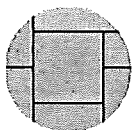
Champlain Grey

HD² Smooth
Smooth



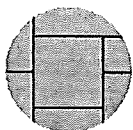
Beige Cream

Smooth



Greyed Nickel

Smooth



Shale Grey

HD² Smooth
Smooth

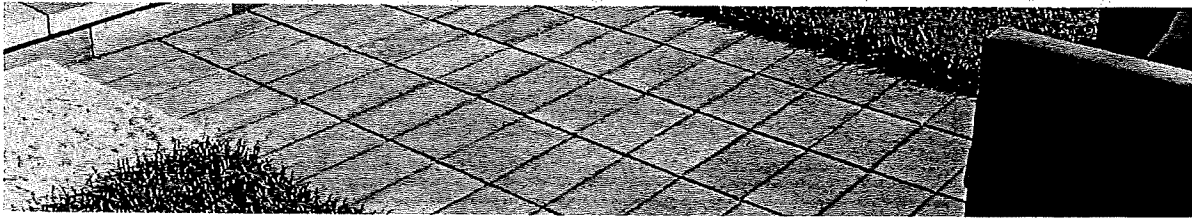


Onyx Black

HD² Smooth
Smooth



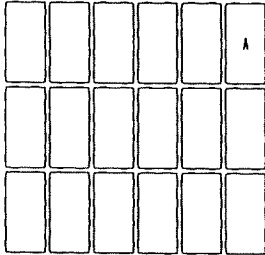
PERMEABLE
PAVERS.



BLU 80 mm (6"×13")

DESCRIPTION: Paver **TEXTURE:** Smooth, HD² Smooth, Slate, HD² Slate

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		84.40 ft ²	7.84 m ²
Approx. Weight		3 133 lbs	1 421 kg
Number of rows		8	
Coverage per row		10.55 ft ²	0.98 m ²
Linear coverage per row	Depth	19.49 lin. ft	5.94 lin. m
	Length	9.74 lin. ft	2.97 lin. m



Unit dimensions	In	mm	Units/pallet
Height	3 1/8	80	144 units
Width	13	330	
Length	6 1/2	165	



NOTES

See page 48 to 51 for more technical information.
When used in a permeable pavement application, see page 93 to 99 for more technical information.

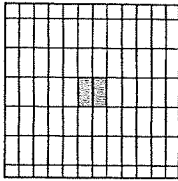
*Sandlewood HD² Slate is only available in Eastern States. See page 13 for list of Eastern and Midwestern States.

JOINT WIDTH: 9/32" (7 mm)

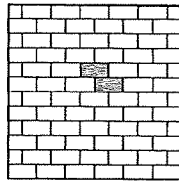
% OF SURFACE OPENING: 4.6%

INFILTRATION RATE: 570 in./hr (14 475 mm/hr)

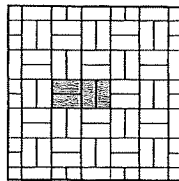
08 | Linear pattern



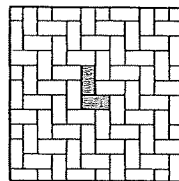
09 | Linear pattern



10 | Parquet pattern



11 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chocolate Brown

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

Onyx Black

Slate

HD² Slate

HD² Slate*

HD² Slate

HD² Slate

HD² Slate



Chocolate Brown

Chestnut Brown

Champlain Grey

Beige Cream

Greyed Nickel

Shale Grey

Onyx Black

Smooth

HD² Smooth

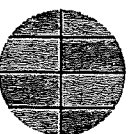
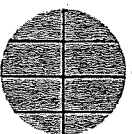
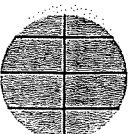
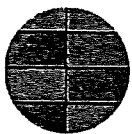
HD² Smooth

Smooth

Smooth

HD² Smooth

HD² Smooth



Porous Asphalt Specifications

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Plant	Tilcon	Project:	
Location	Wallingford	Mix type:	Porous Level:
Plant Type/Capacity	Batch/4 ton	Gyrations:	50@Ndes

Date Submitted	3-Mar-20	Revision Date:	
----------------	----------	----------------	--

Description	Size/Type of Aggregate	Source of Supply	Location	Blend Percent
CA-Aggregate 1	1 1/2"			
CA-Aggregate 2	1"			
CA-Aggregate 3	1/2"	Wallingford		30
CA/RAP-Aggregate 4	3/8"	Wallingford		50
CA-aggregate 5	1/4"			
FA-Aggregate 6	Natural Sand			
FA-Aggregate 7	Screenings			
FA-Aggregate 8	Stone Sand			
FA-Aggregate 9	RAP	Wallingford		20
FA-Aggregate 10	Mineral Filler			

Nom. Size	Contractor Data										Calc. JMF	Specifications			Contractor JMF Submitted
	Coarse Aggregates					Fine Aggregates						Cont. pt	Rest. Zone	PCS	
Porous Description	Agg 1	Agg 2	Agg 3	Agg 4	Agg 5	Agg 6	Agg 7	Agg 8	Agg 9	Agg 10	JMF				
Blend Percent	1 1/2"	1"	1/2"	3/8"	1/4"	N.S.	Scr.	S. S.	RAP	MF	Comp.		Info Only		
0.075			1.2	1.3					6.0		2.2	2-4		2.0	
0.150			1.2	1.3					11.5		3.3				
0.300			1.2	1.3					21.4		5.3				
0.600			1.2	1.3					31.4		7.3				
1.18			1.2	1.6					41.7		9.5				
2.36			1.2	2.5					55.3		12.7	5-10		10.0	
4.75			2.2	22.9					71.0		26.3	10-25		24.0	
1/4"			4.3	50.3							26.4				
9.5			25.2	95.2					94.5		74.1	55-75		71.0	
12.5			78.5	100.0					99.9		93.5	85-100		90.0	
19.0			100.0	100.0					100.0		100.0	100		100.0	
25.0			100.0	100.0					100.0		100.0				
37.5			100.0	100.0					100.0		100.0				
50.0			100.0	100.0					100.0		100.0				
Pb	Production Pb (w/ RAP)								4.9%	JMF Pb	5.1	4.7 - 5.7		5.1	
Gsa			2.974	2.992					2.903		2.969			2.969	
Gsb			2.898	2.894					2.772		2.871			2.871	

Test Results	
Gmm	2.675
Gmb - Ndes	2.125
Height-Ndes	115.4
Height-Nmin	125.9
Gse	2.925
Va - Ndes	20.6
VMA	70.2
VFA - Ndes	70.7
Pba	0.7
Pbe	4.4
Dust/Pbe	0.5

Comments:
using Pg 64-22
Fibers: 0.3%, Drain Down: 0.23, VAC _{DRC} : 55.1, VCA _{mix} : 41.8
AASHTO T-283 TSR=101.77
Cantabro Abrasion Uncondition average 18.6 % wear Conditioned average 26.3 % wear
C.F - .51

Plant	Tilcon
Location	Wallingford
Plant Type/Capacity	Batch/4 ton

Project:	
Mix type:	Porous
Gyrations:	Level:

Date Submitted	20-Mar-20
----------------	-----------

Revision Date:	
----------------	--

Parameter	Submitted Design	ConnDOT	Difference	Specification
CAA: (1/2 surfaces) <100	100.00			
CAA: (1/2 surfaces) >100	100.00			
Flat/Elong. Particles	1.00			10 max
LA Abrasion	12.70			40 max
Soundness CA	0.01			10 max
Soundness FA	0.31			10 max
Fine Agg. Angularity < 100	57.00			
Fine Agg. Angularity > 100	43.00			
Sand Equivalent	61.00			
Deleterious Materials				
AASHTO T-283 (modified)	101.77			80.0 % min

Mixture Discharge Temperature:	285F
--------------------------------	------

Dry Mix Time:	5
Wet Mix Time:	30

Part 4: Stockpile Volumetric and Physical properties

Parameter	1 1/2"	1"	1/2"	3/8"	1/4"	Natural Sand	Screenings	Stone Sand	RAP	Mineral Filler
Gsa			2.974	2.992					2.903	
Gsb			2.898	2.894					2.772	
Absorption(%)			1.031	1.211					1.215	
CAA:(1 Surfaces)			100.00%	100.00%					100.00%	
CAA:(2 Surfaces)			100.00%	100.00%					100.00%	
Flat/Elongated			6.00%	1.00%						
LA Abrasion			10.90%	10.90%						
Soundness			0.60%	0.60%						
FAA: (Method A)									44.80%	
Sand Equivalent									74.00%	
Deleterious Materials										
Pb(RAP only)									4.27%	

Remarks:

Hot Bin Pull Percentages	
100% Mix	
Bin #1	5
Bin #2	50
Bin #3	19.9
Bin #4	5.1
Rap: 20	

Production Virgin Pb Pull:	4.1
----------------------------	-----

Hot Bin Pull Percentages	
100% Aggregate	
Bin #1	5.3
Bin #2	52.7
Bin #3	21.0
Bin #4	0.0
Rap: 21.1	

Oven Correction Factor:	"A" 0.00	"B"
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EROSION & SEDIMENTATION CONTROL, NOTES & DETAILS

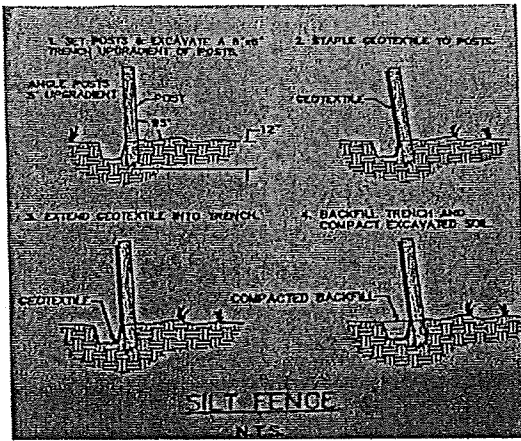
NOTES:

1. CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
2. DO NOT PROCEED WITH THE WORK UNTIL ALL E&S CONTROL MEASURES ARE IN-PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.
3. THE MEASURES SPECIFIED HEREON ARE THE MINIMUM REQUIREMENTS FOR E&S CONTROL AND ARE SHOWN IN GENERAL SIZE AND LOCATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL E&S CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS. PROVIDE ADDITIONAL E&S MEASURES AS REQUIRED TO CONTROL EROSION AND SILTATION THROUGHOUT THE DURATION OF THE CONSTRUCTION AS CONDITIONS DICTATE AND / OR AS DIRECTED BY THE OWNER OR THE ENGINEER.
4. CONTRACTOR TO ESTABLISH ANTI-TRACKING PAD CONSTRUCTION ENTRANCE AT THE SITE CONNECTION TO CRYSTAL STREET.
5. MONITOR AND INSPECT ALL E&S MEASURES IN AN ONGOING MANNER THROUGHOUT THE WORK AND TAKE CORRECTIVE MEASURES, AS REQUIRED, TO MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS.
6. ANY EROSION AND SEDIMENTATION MEASURE IMPLEMENTED BEYOND THAT SHOWN HEREON SHALL CONFORM TO APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT'S 2002 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL."
7. ANY STOCKPILED MATERIAL SHALL BE SUBJECT TO EROSION CONTROL MEASURES THAT INCLUDE A MINIMUM OF SILT FENCE OR HAY BALE BARRIER. COVER STOCKPILES IF SIGNIFICANT RAINFALL IS PREDICTED.
8. PROVIDE TEMPORARY SEEDING WITH MULCH ON ALL EXPOSED SOIL AREAS WHERE WORK WILL BE SUSPENDED FOR LONGER THAN 30 DAYS. APPLY SEED AND MULCH WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK. SEEDING IS NOT POSSIBLE DUE TO SEASONAL WEATHER CONDITIONS OR OTHER FACTORS, PROVIDE TEMPORARY STRUCTURAL SOIL PROTECTION SUCH AS MULCH, WOODCHIPS, EROSION CONTROL MATTING, OR COMPOST.
9. ALL TEMPORARY SLOPES IN EXCESS OF 3 (HORIZONTAL) TO 1 (VERTICAL) SHALL BE STABILIZED WITH EROSION CONTROL MATTING OR APPROVED EQUIVALENT.
10. NO RUNOFF SHALL BE ALLOWED TO ENTER ANY STORMWATER SYSTEM OR EXIT THE SITE PRIOR TO TREATMENT FOR SEDIMENT REMOVAL.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS. ALL TRASH SHALL BE CLEANED ON A DAILY BASIS AND THE SITE SHALL BE LEFT IN A NEAT CONDITION AT THE END OF EACH WORK DAY.
12. TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS AND ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION, CONTROL, AND RESPONSE.
13. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER AND MAINTAIN ADEQUATE MOISTURE LEVELS.
14. SWEEP ADJACENT ROADWAYS IF MUD OR SOIL IS TRACKED ON TO THEM, OR AS DIRECTED BY THE ENGINEER. SHOULD THE CONSTRUCTION ENTRANCE FAIL TO PREVENT THE TRACKING OF SOILS OR SEDIMENT OFF OF THE PROJECT SITE, A WASHING PAD SHALL BE INSTALLED ALONG WITH APPROPRIATE MEASURES TO COLLECT RESULTING WASTEWATER.
15. PERSON RESPONSIBLE FOR EROSION CONTROL – ANDY KEBALO – (860) 883-1391

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TOWN OF BRISTOL
PLANNING DEPARTMENT



ZONING TABLE			
ZONE: LR (Lake Residential)			
ITEM	REQUIRED/ ALLOWED	EXISTING	PROPOSED
LOT AREA	25,000 SQ/FT	9304 sq/ft	9304 sq/ft
LOT FRONTAGE	100 FT	79 FT	79 FT
FRONT YARD	35 FT	24 FT	24.3 FT
SIDE YARD	10 FT	20.4 FT	8 FT
PROPOSED ADDITION			558 SQ/FT
REAR YARD	10 FT	61.4 FT	60 FT
BUILDING HEIGHT	38 FT	<38 FT	<38 FT
BUILDABLE SQUARE			
LOT COVERAGE	25%	22% (2084.5 SQ/FT)	26% (2425.7 SQ/FT)

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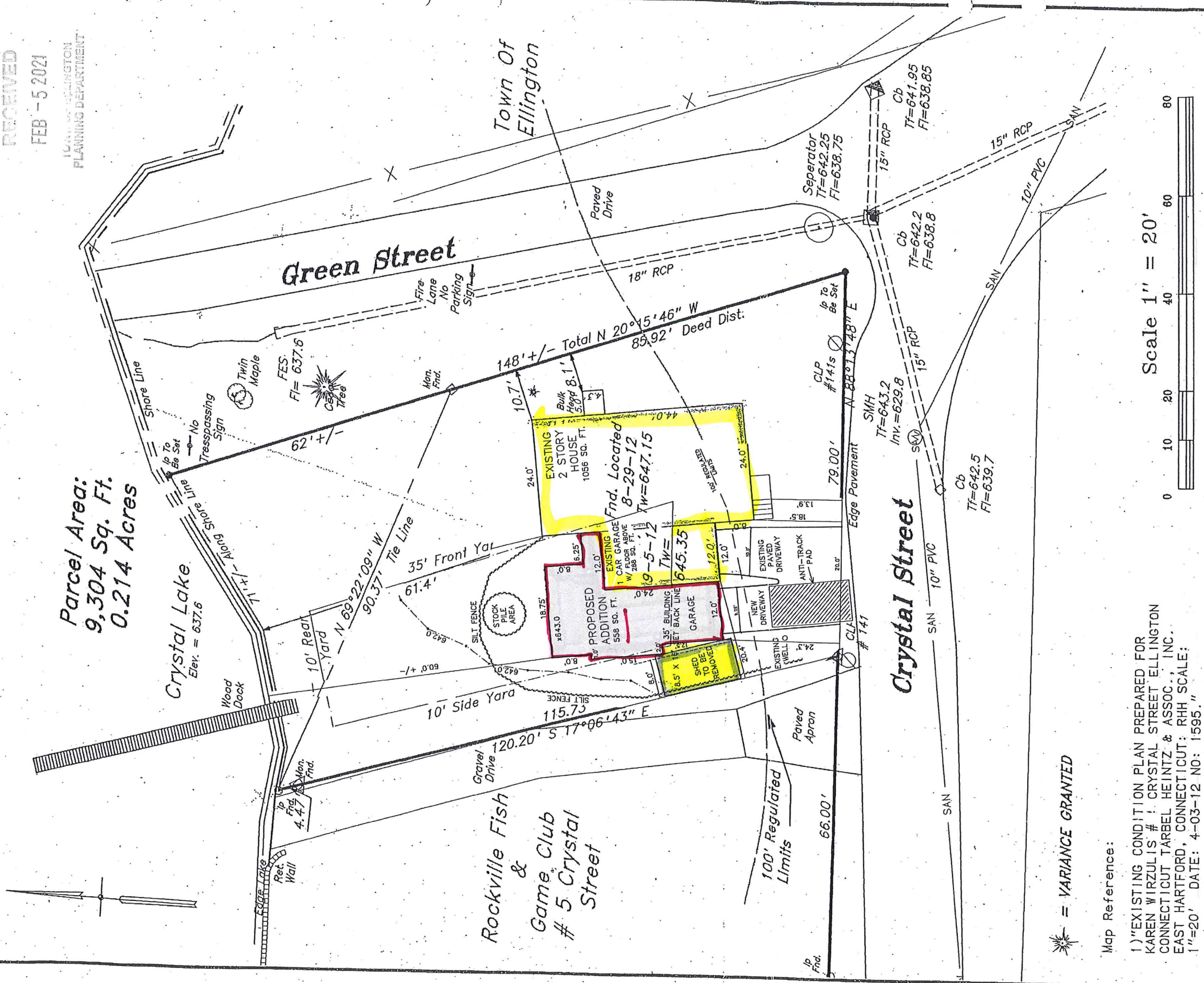
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TOWN OF ELLINGTON
PLANNING DEPARTMENT

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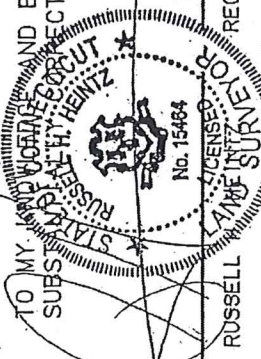
Parcel Area:
9,304 Sq. Ft.
0.214 Acres



Scale 1" = 20'

NOTE: THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS AN IMPROVEMENT LOCATION SURVEY BASED ON A DEPENDENT RESURVEY, CONFORMING TO HORIZONTAL ACCURACY CLASS "A-2".

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.



RUSSELL LANE SURKYN
No. 15464
REGISTRATION NO.
9-12-12- BULLHEAD CONC. STAIRS ADD.50

Map Reference:
1) EXISTING CONDITION PLAN PREPARED FOR KAREN WIRZULIS # 1 CRYSTAL STREET ELLINGTON CONNECTICUT TARBELL HEINTZ & ASSOC., INC. EAST HARTFORD, CONNECTICUT; RHH SCALE: 1"=20' DATE: 4-03-12 NO: 1595."

★ = VARIANCE GRANTED

RECORD DRAWING
PREPARED FOR
Karen Wirzulis
1 CRYSTAL STREET

ELLINGTON, CONNECTICUT

TARBELL, HEINTZ & ASSOC., INC.
CIVIL ENGINEERS - LAND SURVEYORS

1227 BURNSIDE AVE. STE. 8A, EAST HARTFORD, CT (860) 528-1810

JOB NO.	DATE	SCALE	DRAWN BY	SHEET NO.
1595.asb	9-06-12	AS SHOWN	R.H.H.	1 of 1

SEP 13 2012
V2012_13

ELLINGTON PLANNING DEPARTMENT
STAFF REVIEW SHEET

INLAND WETLAND AGENCY

IW202102 – Andrian & Cheryl Kebalo owner/applicant, request for a permit to conduct regulated activity to construct an addition with a one car garage to an existing home and associated site improvements at 1 Crystal Street, APN 149-069-0000.

PUBLIC HEARING DATE: March 8, 2021
STAFF REVIEW RETURN DATE: March 1, 2021

DEPARTMENT	COMMENTS AND/OR REQUIREMENTS
Town Engineer	<ul style="list-style-type: none">-If Porous pavement or permeable pavers are used no drains or drainage pipes are allowed within 25' of the water supply well.-The plan does not specify how the well will be protected; Surface water must be directed away from the well.- If recent water quality testing has not been conducted it is recommended to test the water before construction and after completion of all site construction activities.
Building Official	
North Central District Health Dept	
Fire Marshal	
Public Works Director/WPCA	
Assessor	
Traffic Authority	

Barbra Galovich

From: Barbra Galovich
Sent: Tuesday, February 16, 2021 10:25 AM
To: ask@keballo.com
Cc: John Colonese *IW 202102*
Subject: FW: Staff Review - ~~V2021-02~~ - 1 Crystal Street

Andrian,

Hope you are doing well. Please see the below comments from Tim Webb, Director of Public Works.

Thank you,
Barbra

Barbra Galovich, CZET
Land Use Assistant
Town of Ellington
55 Main Street
Ellington, CT 06029
(860) 870-3120

From: Timothy Webb
Sent: Tuesday, February 16, 2021 8:40 AM
To: Barbra Galovich <bgalovich@ELLINGTON-CT.GOV>
Subject: RE: Staff Review - ~~V2021-02~~ - 1 Crystal Street

Appears as Driveway permit will be required along with plans for the second story of the garage. Bedroom, bathroom?

From: Barbra Galovich
Sent: Friday, February 12, 2021 11:01 AM
To: James York <JYork@ELLINGTON-CT.GOV>; Kim Bechard <KBechard@ELLINGTON-CT.GOV>; Lori Spielman <lspielman@ELLINGTON-CT.GOV>; Mike Caronna <mcaronna@ncdhd.org>; Raymond Martin <Rmartin@ELLINGTON-CT.GOV>; Sydney Kern <skern@ELLINGTON-CT.GOV>; Timothy Webb <twebb@ELLINGTON-CT.GOV>; Westford Lirot <wlirot@ncdhd.org>
Cc: John Colonese <jcolonese@ELLINGTON-CT.GOV>
Subject: Staff Review - V2021 02 - 1 Crystal Street

Hi,

Hope you are doing well. Please see the attached documentation with Staff Review Sheet. This application will be discussed at the ZBA meeting on Monday, March 1, 2021.
Please provide your comments/concerns on or before February 23, 2021.

Thank you in advance for your review.
Barbra

Barbra Galovich, CZET
Land Use Assistant
Town of Ellington

Town of Ellington Inland Wetlands and Watercourses Agency Application

Application # TW202101
Date Submitted 1/25/2021

<p>Notices associated with this application will be sent to the applicant unless otherwise requested.</p> <p>Owner's Information</p> <p>Name: <u>Joseph Dzen + Holly Ann</u></p> <p>Mailing Address: <u>2 Justin Drive</u> <u>Ellington, CT 06029</u></p> <p>Email: <u>jmdzen@comcast.net</u></p> <p>WHEN NOT REQUIRED BY LAW TO MAIL NOTICE BY USPS, MAY NOTICES BE EMAILED TO YOU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Primary Contact Phone #: <u>860 604 3452</u></p> <p>Secondary Contact Phone #: <u>860 648 1355</u></p> <p>Owner's Signature: <u>[Signature]</u> Date: <u>1-19-21</u></p> <p><small>By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted. Moreover, by signing above I/we expressly provide written consent to the filing of the application and access to the site by the Agency or its staff.</small></p>	<p>Notices associated with this application will be sent to the applicant unless otherwise requested.</p> <p>Applicant's Information (if different than owner)</p> <p>Name: <u>Joseph Dzen</u></p> <p>Mailing Address: <u>2 Justin Drive</u> <u>Ellington, CT 06029</u></p> <p>Email: <u>jmdzen@comcast.net</u></p> <p>WHEN NOT REQUIRED BY LAW TO MAIL NOTICE BY USPS, MAY NOTICES BE EMAILED TO YOU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Primary Contact Phone #: <u>860 604 3452</u></p> <p>Secondary Contact Phone #: <u>860 648 1355</u></p> <p>Applicant's Signature: <u>[Signature]</u> Date: <u>1-19-21</u></p> <p><small>By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted.</small></p>
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Street Address: 261 Windsorville Road

Assessor's Parcel Number (APN): 014 - 006 - 0015

Proposed upland review area affected in square feet: 19,387 sf +/- (0.45 acres)

Proposed wetlands/watercourses affected in square feet and linear feet (as applicable): 0

Total area of wetlands/watercourses on parcel in square feet or acres: 5.26 acres

Public Water: Yes No Public Sewer: Yes No *If not served by public water and sewer, applicant shall make application to North Central District Health Department (Enfield Office) if required.*

Is the project in a public water supply watershed area? Yes No
If YES, applicant is required to notify the Connecticut Water Company and Commissioner of Public Health by certified mail, return receipt within 7 days of this application (Conn. Gen Stat. Sec 22a-42f). Copy of application, plans, and supporting documents must accompany notice. Applicant can email the Commissioner of Public Health using their approved form. Proof of notice (return receipt and sent email) must be provided to the Planning Department.

Describe the nature of proposed regulated activity, request for acceptance of a permitted use as of right or a nonregulated use, map or regulation amendment, or other activity requiring review by the Agency or its Agent:
See attached Application Checklist and Appendix D for guidance when preparing application

See attached narrative

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Applicant shall provide certification in accordance with Wetlands Regulation, Section 7.4e, Application Requirements:

Whether or not any portion of the property on which the regulated activity is proposed is located within 500 feet of an adjoining town. Yes No

Whether or not a significant portion of the traffic to the completed project will use streets within an adjoining town to exit or enter the site. Yes No

Whether or not a significant portion of the sewer or water drainage from the project will flow through and significantly impact the sewer or water drainage system of an adjoining town. Yes No

Whether water run-off from the improved site will impact streets or other municipal/private property within an adjoining town. Yes No

FOR OFFICE USE ONLY

If YES to any of the above, the Agency shall, in accordance with CGS 8-7d(f) notify the clerk of any adjoining municipality of the pendency of any application, petition, appeal, request or plan concerning any project on any site. Notice of the pendency of such application shall be made by certified mail, return receipt requested, and shall be mailed within seven (7) days of the date of receipt of the application, petition, appeal, request or plan. (See Agency requirements Section 8.4)

Type of Project: (check one)

Commercial/Industrial Residential Mixed Use Timber Agricultural
 Other, explain: _____

Type of Application: (check one)

- Notification for Non-Regulated Use (Section 4.2)
- Notification of Permitted Use as of Right (Section 4.1)
- Administrative Permit (Section 6.4)
- Agency Permit (**TWELVE COPIES REQUIRED**)
- Permit Modification
- Permit Extension
- Regulation Amendment
- Map Amendment
- Appeal of Administrative Permit

Application Submittals:

- Completed Application Form (Section 7.4a)
- Application Fee (Section 7.4b)
- Abutters List (Section 7.4c)
- Certification as to Adjacent Towns (See above)
- Certification as to Connecticut Water Company & Commissioner of Public Health (See above)
- Notification Narrative and Supporting Documentation (If applicable, Appendix D)
- Project Narrative and Supporting Documentation (Section 7.4g, 1-11 inclusive, as deemed applicable)
- Project Site Plan - circle one: Administrative (Section 7.4h1) / Agency (Section 7.4h2)
- Supplemental Information (Section 7.5a-j, inclusive, as deemed applicable)

REGISTERED

JAN 25 2021

TOWN OF ELLINGTON
PLANNING DEPARTMENT



TOWN OF ELLINGTON INLAND WETLANDS & WATERCOURSES APPLICATION CHECKLIST

(For use as a guide in preparation and review of plans. Not intended to replace regulations.)

GENERAL REQUIREMENTS FOR ALL APPLICANTS COUNTER STAFF TO CONFIRM AT TIME OF SUBMITTAL

- Complete application, signed by the owner & applicant;
- Required fee (See: Town Ordinance or Appendix A);
- Site Plan - 12 copies (Two should be 24" x 36", signed & sealed, **INCLUDING SOIL SCIENTIST'S SIGNATURE**; others may be 11" x 17" if legible);
- If the proposed project located within a public water supply watershed area the **applicant** is required to notify the Connecticut Water Company and Commissioner of Public Health by certified mail, return receipt within 7 days of this application (Conn. Gen Stat. Sec 22a-42f). Copy of application, plans, and supporting documents must accompany notice. Applicant can email the Commissioner of Public Health using their approved form. Proof of notice (return receipt and sent email) must be provided to the Planning Department.

NARRATIVE REQUIREMENTS BELOW (See Section 7.4.g) PLEASE REVIEW WITH STAFF AS SOME ITEMS MAY NOT BE REQUIRED DEPENDING ON THE COMPLEXITY OF THE APPLICATION

Check each item supplied or list recommended abbreviation: N/A = Not Applicable; N/P = Not Provided; W/R = Waiver Requested)

- 1. The amount of regulated upland review area affected, in square feet;
- 2. The amount of inland wetlands & watercourses affected, in square or linear feet, as applicable;
- 3. The overall (aggregate) area affected;
- 4. The amount of permanent versus temporary impact;
- 5. The general characteristics of the regulated areas being affected by the proposal in terms of land cover, vegetation, soil types, slope, and relationship to other regulated areas on and off the project site;
- 6. The purpose and a description of the proposed activity;
- 7. The proposed erosion and sedimentation controls and other best management practices and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including, but not limited to, measures to:
 - prevent or minimize pollution or other environmental damage,
 - maintain or enhance existing environmental quality, or
 - in the following order of priority, restore, enhance and create productive wetland or watercourse resources.
- 8. For commercial and industrial uses, a general description of the business operations, including but not limited to:
 - the type of business,
 - production and manufacturing procedures,
 - handling and disposition of any process wastewaters, cooling waters, and/or stormwater,
 - types of materials used and stored on site,
 - spill contingency plans,
 - septic disposal (unless tied to sewers),
 - waste/refuse storage, handling and disposal, and similar operations.

NARRATIVE continued:

- N/A 9. For commercial and industrial uses, a list of current State of Connecticut and Federal environmental and land use permits issued for the facility. Such list shall also include a disclosure of any enforcement action taken by the State DEEP regarding the facility, either current or within the previous five years from the date of the subject application, including any consent orders, fines, penalties and/or resolution of such enforcement actions.
10. A construction or project narrative describing:
- method of construction,
 - duration of construction activity,
 - methods to control stormwater and limit erosion before, during & following construction,
 - type of equipment to be used,
 - type and location of access to the regulated area,
 - storage and disposal of excess materials or stockpiles,
 - type and composition of any fill material,
 - removal and disposition of trees and stumps,
 - measures to dewater, divert flows, and similar activities.
- N/A 11. A description of any changes to water velocity, volume or course, the anticipated impacts of these changes, and measures to mitigate those impacts.
- N/A 12. A list of any other local, State of Connecticut or U.S. environmental or land use approvals required for the proposed regulated activity such as but not limited to, DEEP Construction or Commercial Stormwater Permit Registration, Army Corp permits, ConnDOT, STC, and waste water or process water discharge permits.
- N/A 13. Where stormwater systems are proposed, detailed storm drainage calculations, construction details and other support documentation, certified by a Professional Engineer licensed to practice in the State of Connecticut.
14. If the area to be disturbed is ½ acre or more in area, a detailed erosion control plan and narrative, in compliance with the latest State DEEP Guidelines for Soil Erosion and Sediment Control.
15. A disclosure listing any previous Ellington inland wetland permit applications and Ellington wetland enforcement actions regarding the subject parcel(s).
- N/A 16. A graphic and textual description of all alternatives to the proposed regulated activity considered, and a general discussion of each, including the reason or reasons for choosing the proposed alternative. This requirement relates to the evaluation of the initial application only, and shall not be construed as a conclusion by the Agency or its agent that the proposed activity is "significant." The determination of significance shall be made by the Agency or its agent after review of the initial application, and if the proposed regulated activity or any component of that activity is deemed "significant," the applicant may be required by the Agency or its agent to submit a more detailed analysis of alternatives, in order to allow the Agency to make the necessary findings with respect to prudent and feasible alternatives.

If the Agency determines, based upon its review of the initial submittal that either the proposed activity involves a significant activity as determined by the Agency, or additional technical or other information is necessary in order to properly and fully evaluate the proposed activity, any or all of the additional information listed in Section 7.5 of the IWWA Regulations may be required. Submittal of additional information is guided by Section 8.6.



P.O. BOX 1167
21 JEFFREY DRIVE
SOUTH WINDSOR, CT 06074
PHONE: 860.291.8755
FAX: 860.291.8757
www.designprofessionalsinc.com

CIVIL & TRAFFIC ENGINEERS / LAND SURVEYORS / PLANNERS / LANDSCAPE ARCHITECTS
Serving Connecticut, Massachusetts, & Rhode Island

Narrative Statement ~ Shepard Farms Subdivision
Town of Ellington ~ Inland Wetlands and Watercourse
Notification of Permitted Use as of Right

261 Windsorville Rd (Lot #15)
Ellington, Connecticut
DPI Project No. 1389.D
January 25, 2021

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JAN 25 2021
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PLANNING DEPARTMENT

Our client, Joe Dzen is requesting approval to excavate a farm pond on Lot #15 of the Shepherds Farm Subdivisions, allowed as a use of right per section 4.1A of the Inland and Wetlands Regulations. Please accept this letter as the narrative statement to accompany the Notification of Permitted use of Right application for our client.

19,387± SF of regulated upland review area is proposed to be disturbed for the excavation of the farm pond and associated stockpile area for the excavated spoils. 54,822± SF of total site disturbance is proposed for this activity. No direct disturbance of the inland wetlands or water courses are proposed (no water courses located on the subject lot). Approximately 50,787± SF of the total disturbance area will remain permanently after construction. 3,686± SF of the disturbed regulated upland area exist as woodland areas today. The remaining 15,701± SF of regulated area to be disturbed is existing farmland area. The general topography of the site pitches from south to north at approximately 3%.

The proposed farm pond will be used to provide irrigation for growing Pumpkins and Christmas trees. Silt fencing and an anti-tracking pad location for the construction entrance are proposed to alleviate the potential for erosion issues and transmission of sediments offsite. No mitigation measures are proposed as no direct wetland's disturbance is proposed for this activity.

Construction is anticipated to started and Spring of 2021 and be completed Summer of 2021. The primary equipment to be utilized for construction will be various heavy duty earth moving equipment for excavation of the pond and fine grading of the stockpile area to the grades proposed. Access to the site will be located off Tripp Road. This is shown on the plan submitted along with this narrative for the application. The construction sequence for excavating the farm pond shall be as follows:

1. Install construction exit at driveways or other locations as shown on plans. Maintain the construction entrance in a condition which will prevent tracking and washing of sediment onto abutting paved surfaces. Add stone or increase the length as conditions demand.
2. Stake-out the limits of clearing and grubbing. Install erosion and sedimentation control measures at limits of clearing and grubbing. Contractor to conduct all construction activities within limits shown on plan.

pg 1 of 2

3. Excavate farm pond area and stockpile spoils at location shown on the plan. Additional stockpile locations, if needed, shall be designated by contractor with approval by the engineer & local authority having jurisdiction. Ring soil stockpiles with a row of silt fence.
4. All tree stumps exposed during construction shall be removed from site.
5. Establish vegetation on all disturbed soil that will remain exposed for longer than 30 days. Seed within 7 days after the suspension of grading work with a temporary seed mixture per section 5-3 "vegetative soil cover" of the "2002 Connecticut Guidelines for Soil Erosion and Sediment Control."
6. Create temporary diversion swales as required.
7. Any dewatering activities must utilize a silt-sac or approved equal for pumped discharge. Monitor to ensure discharge from basin is not causing erosion downstream.
8. Minor adjustments to the excavation limits may be warranted with approval of local authority having jurisdiction to allow for preservation of existing vegetation.
9. All erosion control devices shall be installed per guidelines noted in the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and remain functional and in place throughout the construction effort until the site is fully stabilized with vegetation.

The farm pond shall be inspected bi-annually by the property owner for long term maintenance. All large woody non landscape growth that may affect the flow of water or the stability of the basin shall be removed.

No stormwater management features are proposed with this application as the proposed activity will not include the construction of any impervious surfaces or structures. With this we anticipate no change to stormwater runoff characteristics across the site.

No additional federal, state, or local permits are being pursued for this activity.

Original approval of the 18-Lot subdivision was granted by the Inland and Wetlands commission on January 29th, 2003 (IWA App# IW200260)

No alternatives to the farm pond were considered.

CIVIL & TRAFFIC ENGINEERS / LAND SURVEYORS / PLANNERS / LANDSCAPE ARCHITECTS
Serving Connecticut, Massachusetts, & Rhode Island

February 23, 2021

John D. Colonese, CZEO
Assistant Town Planner/Zoning & Wetlands Enforcement Officer
P.O. Box 187
57 Main Street
Ellington, CT 06029

RECEIVED
FEB 24 2021
TOWN OF ELLINGTON
PLANNING DEPARTMENT

Re: Response to Staff Comments
Application # 1W202101
261 Windsorville Road, APN 014-006-0015.

Dear Mr. Colonese,

The following is a compiled list of our responses to comments received from town staff members regarding the referenced application. The original comments repeated in *italics*, followed by our response in **bold**:

- Comment from Director of Public Works, Tim Webb received (01/29/2021): "Driveway permit will be required and should be paved to accommodate /support a vehicle."*

The plan was revised to include additional measures on the call out for the construction access location, requiring it to be left and maintained in place until a driveway for the lot is constructed. We respectfully would like to hold off on installing a paved driveway until a final house plot plan for the lot is considered.
- Comment from North Central Health District Received (02/19/2021): 261 Windsorville Rd. Lot 15 and 16 located on the corner of Tripp Rd. Ellington updated site plans have been reviewed by NCDHD as recently as 2018 with approved septic system areas. The septic system area, hydraulic window and reserve areas are not shown or addressed on this plan. No mention of how those areas will be protected from site disturbance is shown, where there might be site disturbances that would affect nearby Approved Septic areas the Plans must be amended now – to show that those areas will not be disturbed – Or the applicant is taking the risk that the pond may possibly render Lots 15 & 16 unbuildable – depending on the extent of the soil disturbance. The proposal for the Pond should show the proposed septic areas including the hydraulic window, reserve areas within this area, adjoining lots and all around. The Plan should outline Areas to be avoided during the Pond's Construction and specify the areas that must be left undisturbed for protection of the native soils within the future septic system areas whereas site soil disturbance of the natural soils within the septic system areas could render the lots unsuitable in the future.*

The plan was revised to show the approved septic system location and restrict disturbance 50' down gradient and 10' on the sides of this area.
- Comment from Ellington Town Engineer, JR Russo Received (02/19/2021): I've reviewed the plan to construct a farm pond on Lot #15, 261 Windsorville Road. The plan calls for excavating 2,500 c.y. of native material from the pond area and stockpiling the material upgradient on Lot 15 & 16. Proper measures are proposed to control erosion and stabilize the site after construction. I take no exception to the plans as submitted. You may want to require an erosion bond to ensure final stabilization. Let me know if you have any questions.*

Noted

Please contact us with any questions.

Sincerely,
DESIGN PROFESSIONALS, INC.

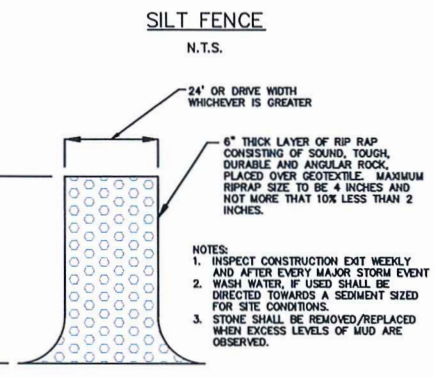
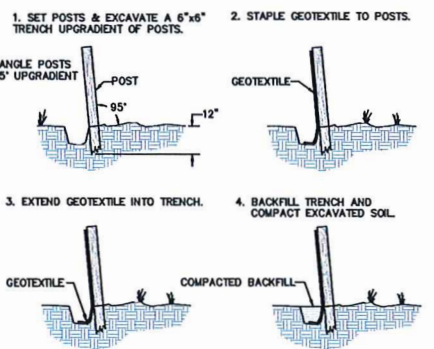


Daniel H. Jameson, P.E.
Project Manager

- CONSTRUCTION SEQUENCE:**
- INSTALL CONSTRUCTION EXIT AT DRIVEWAYS OR OTHER LOCATIONS AS SHOWN ON PLANS. MAINTAIN THE CONSTRUCTION ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENT ONTO ADJACENT PAVED SURFACES. ADD STONE OR INCREASE THE LENGTH AS CONDITIONS DEMAND.
 - STAKE-OUT THE LIMITS OF CLEARING AND GRUBBING. INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES AT LIMITS OF CLEARING AND GRUBBING. CONTRACTOR TO CONDUCT ALL CONSTRUCTION ACTIVITIES WITHIN LIMITS SHOWN ON PLAN.
 - EXCAVATE FARM POND AREA AND STOCKPILE SPOILS AT LOCATION SHOWN ON THE PLAN. ADDITIONAL STOCKPILE LOCATIONS, IF NEEDED, SHALL BE DESIGNATED BY CONTRACTOR WITH APPROVAL BY THE ENGINEER & LOCAL AUTHORITY HAVING JURISDICTION. RING SOIL STOCKPILES WITH A ROW OF SILT FENCE.
 - ESTABLISH VEGETATION ON ALL DISTURBED SOIL THAT WILL REMAIN EXPOSED FOR LONGER THAN 30 DAYS. SEED WITHIN 7 DAYS AFTER THE SUSPENSION OF GRADING WORK WITH A TEMPORARY SEED MIXTURE PER SECTION 5-3 "VEGETATIVE SOIL COVER" OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
 - CREATE TEMPORARY DIVERSION SWALES AS REQUIRED.
 - ANY DOWATERING ACTIVITIES MUST UTILIZE A SILT-SAC OR APPROVED EQUAL FOR PUMPED DISCHARGE MONITOR TO ENSURE DISCHARGE FROM BASIN IS NOT CAUSING EROSION DOWNSTREAM.
 - MINOR ADJUSTMENTS TO THE EXCAVATION LIMITS MAY BE WARRANTED WITH APPROVAL OF LOCAL AUTHORITY HAVING JURISDICTION TO ALLOW FOR PRESERVATION OF EXISTING VEGETATION.
 - ALL EROSION CONTROL DEVICES SHALL REMAIN FUNCTIONAL AND IN PLACE THROUGHOUT THE CONSTRUCTION EFFORT UNTIL THE SITE IS FULLY STABILIZED WITH VEGETATION.

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Exist vs Farm Pond	1.000	1.000	15658.17 Sq. Ft.	2512.21 Cu. Yd.	0.02 Cu. Yd.	2512.19 Cu. Yd.<Cut>
Exist Vs Stockpile	1.000	1.000	29285.58 Sq. Ft.	2.18 Cu. Yd.	1722.73 Cu. Yd.	1720.55 Cu. Yd.<Fill>
Totals			44943.75 Sq. Ft.	2514.39 Cu. Yd.	1722.75 Cu. Yd.	791.64 Cu. Yd.<Cut>

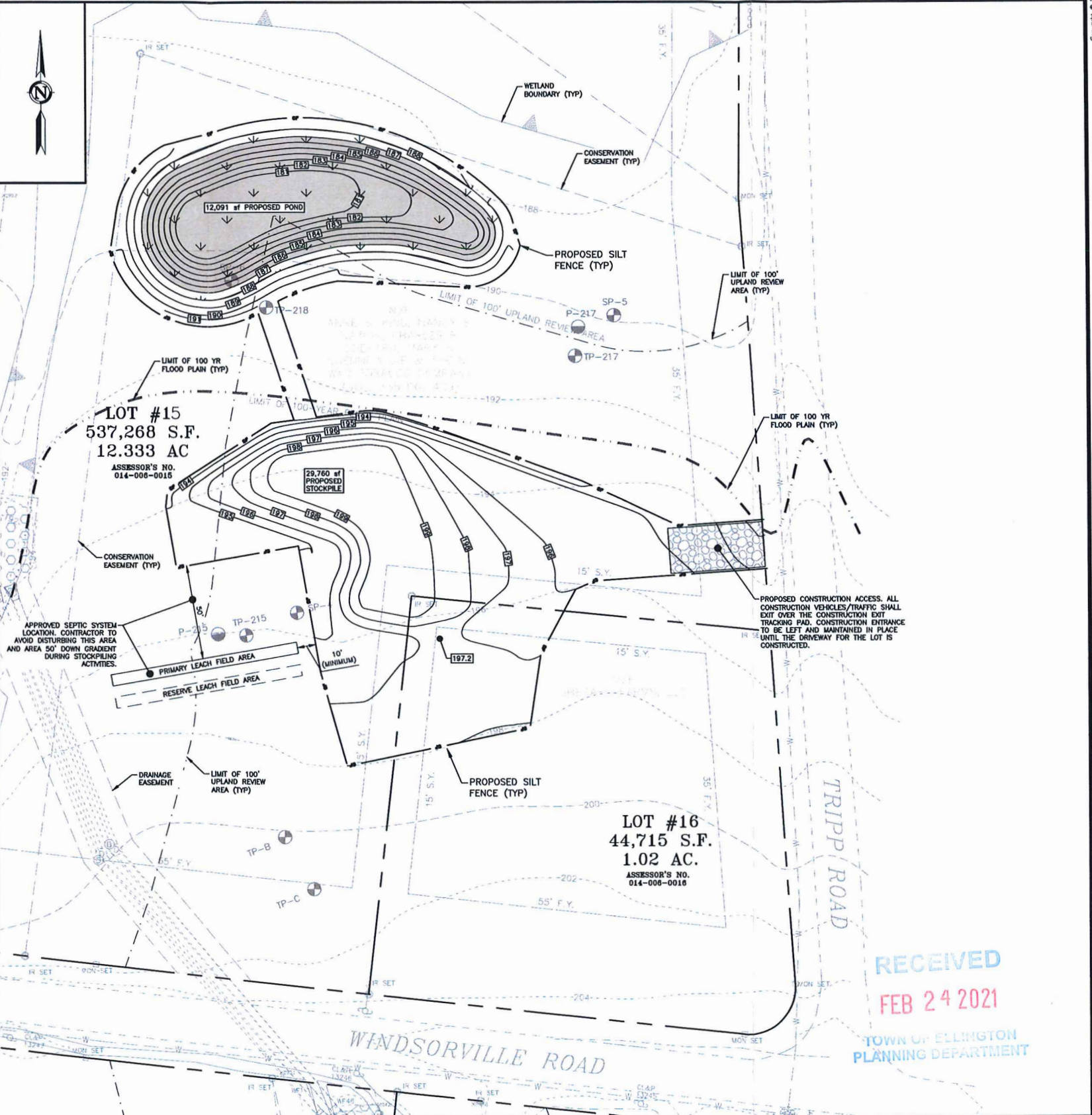


**PRELIMINARY
NOT FOR CONSTRUCTION**

THESE PLANS ARE FOR PLANNING PURPOSES ONLY INTENDED TO SECURE REGULATORY APPROVALS. ONLY FINAL PLANS STAMPED APPROVED BY THE TOWN SHALL BE USED FOR CONSTRUCTION PURPOSES.

REFERENCES:
THIS PLAN REFERS TO THE FOLLOWING:
1. PLAN ENTITLED "SHEPARD FARM SUBDIVISION, WINDSORVILLE ROAD & TRIPP ROAD, ELLINGTON, CONNECTICUT DATED 10/17/2002 AS AMENDED, PREPARED BY DESIGN PROFESSIONALS, INC.

'CALL BEFORE YOU DIG' - CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION BY CALLING 811 AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING EXCAVATION.



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21 ERIE ST. SUITE 201
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860-291-8735
860-291-8737
www.designprofessionals.com

Design Professionals
CIVIL & TRAFFIC ENGINEERS / LAND SURVEYORS / PLANNERS / ENVIRONMENTAL SCIENTISTS

PREPARED FOR:
Joe Dzen
Dzen Brothers, Inc.
187 Windsorville Road
Ellington, CT 06029

PROJECT NO.: 1389
DATE: 07/25/2020
SCALE: AS SHOWN
SHEET NO.: 1 OF 1

REVISIONS

NO.	DATE	BY	DN	REVISIONS
1	2/22/21			REVISED PER TOWN COMMENTS

**LOT #15
FARM POND AND
STOCKPILE PLAN**

SCALE: 1" = 30'

SHEET 1 OF 1

Barbra Galovich

From: Barbra Galovich
Sent: Friday, January 29, 2021 8:40 AM
To: jmdzen@comcast.net
Cc: John Colonese
Subject: FW: Staff Review - IW202101 - 261 Windsorville Road

Mr. Dzen,

Hope you are doing well. Tim Webb, Director of Public Works made the following comments pertaining to your Wetland's application "Driveway permit will be required and should be paved to accommodate /support a vehicle." I will be forwarding you any additional comments we receive from Staff. Have a great weekend.

Best regards,
Barbra

Barbra Galovich, CZET
Land Use Assistant
Town of Ellington
55 Main Street
Ellington, CT 06029
(860) 870-3120

Barbra Galovich

From: Barbra Galovich
Sent: Thursday, February 25, 2021 2:04 PM
To: 'jmdzen@comcast.net'
Cc: John Colonese; 'djameson@designprofessionalsinc.com'; Suzanne Choate
Subject: FW: IW# 202101 - Joseph Dzen 261 Windsorville Road - Ellington

Hi Mr. Dzen,

Hope you are doing well. Please see the additional comments below from the Director of Public Works, Tim Webb.

Thank you,
Barbra

Barbra Galovich, CZET
Land Use Assistant
Town of Ellington
55 Main Street
Ellington, CT 06029
(860) 870-3120

From: Timothy Webb
Sent: Wednesday, February 24, 2021 3:10 PM
To: Barbra Galovich <bgalovich@ELLINGTON-CT.GOV>; Dana Steele <dsteeler@jrrusso.com>; Westford Lirot <wlirot@ncdhd.org>
Subject: RE: IW# 202101 - Joseph Dzen 261 Windsorville Road - Ellington

The ROW, drive way permit will need to be pulled upon working in the ROW.

From: Barbra Galovich
Sent: Wednesday, February 24, 2021 2:03 PM
To: Timothy Webb <twebb@ELLINGTON-CT.GOV>; Dana Steele <dsteeler@jrrusso.com>; Westford Lirot <wlirot@ncdhd.org>
Subject: IW# 202101 - Joseph Dzen 261 Windsorville Road - Ellington

Hi,

Hope this email finds you well. Please see the Design Professionals letter dated February 23, 2021 from Daniel Jameson in response to your Staff Review comments.

Thank you,
Barbra

Barbra Galovich, CZET
Land Use Assistant
Town of Ellington
55 Main Street
Ellington, CT 06029
(860) 870-3120

ELLINGTON PLANNING DEPARTMENT

STAFF REVIEW SHEET

INLAND WETLAND AGENCY

IW202101 – Joseph & Holly Ann Dzen owner/ Joseph Dzen, applicant, request for acceptance of uses permitted as of right to construct a farm pond essential to the farming operation within the upland review area at 261 Windsorville Road, APN 014-006-0015.

MEETING DATE: March 8, 2021

STAFF REVIEW RETURN DATE: February 19, 2021

DEPARTMENT	COMMENTS AND/OR REQUIREMENTS
Town Engineer	<p>261 Windsorville Rd. Lot 15 and 16 located on the corner of Tripp Rd. Ellington updated site plans have been reviewed by NCDHD as recently as 2018 with approved septic system areas. The septic system area, hydraulic window and reserve areas are not shown or addressed on this plan. No mention of how those areas will be protected from site disturbance is shown, where there might be site disturbances that would affect nearby Approved Septic areas the Plans must be amended now – to show that those areas will not be disturbed – Or the applicant is taking the risk that the pond may possibly render Lots 15 & 16 unbuildable – depending on the extent of the soil disturbance. The proposal for the Pond should show the proposed septic areas including the hydraulic window, reserve areas within this area, adjoining lots and all around. The Plan should outline Areas to be avoided during the Pond's Construction and specify the areas that must be left undisturbed for protection of the native soils within the future septic system areas whereas site soil disturbance of the natural soils within the septic system areas could render the lots unsuitable in the future.</p> <p>RECEIVED FEB - 2 2021 PLANNING DEPARTMENT</p>
Building Official	
North Central District Health Dept	
Fire Marshal	
Public Works Director/WPCA	
Assessor	
Traffic Authority	

Barbra Galovich

From: Barbra Galovich
Sent: Friday, February 19, 2021 8:53 AM
To: 'jmdzen@comcast.net'; Suzanne Choate
Cc: John Colonese
Subject: FW: IW202101 - Joe Dzen, 261 Windsorville Road, Farm Pond

Hi,

Hope you are doing well. Please see the below email from Dane Steele, Town Engineer.

Thank you,
Barbra

Barbra Galovich, CZET
Land Use Assistant
Town of Ellington
55 Main Street
Ellington, CT 06029
(860) 870-3120

From: Dana Steele [mailto:dsteeler@jrrusso.com]
Sent: Thursday, February 18, 2021 3:25 PM
To: John Colonese <jcolonese@ELLINGTON-CT.GOV>; Barbra Galovich <bgalovich@ELLINGTON-CT.GOV>
Subject: IW202101 - Joe Dzen, 261 Windsorville Road, Farm Pond

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

John,

I've reviewed the plan to construct a farm pond on Lot #15, 261 Windsorville Road. The plan calls for excavating 2,500 c.y. of native material from the pond area and stockpiling the material upgradient on Lot 15 & 16. Proper measures are proposed to control erosion and stabilize the site after construction. I take no exception to the plans as submitted. You may want to require an erosion bond to ensure final stabilization. Let me know if you have any questions.

Dana P. Steele, P.E.
Ellington Town Engineer



J.R. RUSSO & ASSOCIATES, LLC
P.O. Box 938, 1 Shoham Road
East Windsor, CT 06088
(CT) 860.623.0569 (MA) 413.785.1158
dsteeler@jrrusso.com | www.jrrusso.com

IW202103

NOTIFICATION OF TIMBER HARVEST

Town: ELLINGTON Date: 2/15/2021
Property Location: 50 EAST SHORE RD

List all parcels:
Assessor's Info:

Map	Block	Lot
169		45

OR:

Unique ID

Total acreage of property(s): 4.0ZAC Total acreage of harvest area: 4- ZAC

Landowner(s) of Record: MINOR LLC
Mailing Address: 41 CONVERSE ST
Town: STAFFORD, CT Zip 06076
Phone (860) 729-2841
E-mail: ANDREW@LAROCHEBUILDERS.COM

Primary Contact: ANDREW LAROCHE
Mailing Address: 41 CONVERSE ST
Town: STAFFORD, CT Zip 06076
Phone (860) 729-2841
E-mail: ANDREW@LAROCHEBUILDERS.COM

Note: Timber harvesting is a Permitted as of Right Activity pursuant to the Inland Wetlands and Watercourses Act, except for those practices regulated under Section 22a-36 through 22a-45 of the Connecticut General Statutes.

Is there a current forest management/stewardship plan for this property? Yes No

This timber harvest has been prepared by a State of Connecticut certified:
(Check one): Forester OR Supervising Forest Products Harvester
Forest Practitioner Certificate #: F-028
Name: JOSEPH R. THEROUX
Address: P.O. BOX 32 VOLUNTTOWN CT 06384
E-mail: JOETHEROUX426@COMCAST.NET
Phone #: (Business) _____ (Cell) 860-428-7992

Property Boundaries: Timber Harvest Boundaries:
Bounds are marked: Yes No Have been marked or flagged: Yes No

Have owners of all lands within 100 feet of the harvest area been notified via first-class mail prior to filing this "Notification of Timber Harvest"? Yes No
Estimated starting date of timber harvesting operations: 3/15/21

Description of Timber Harvest:
Objective: SALVAGE OF DEAD/OVERMATURE TIMBER DUE TO GYPH MOTH + EMERALD ASH BORER. ALSO CLEARING FOR FUTURE HOUSE LOT.
Treatment: _____

Amount of forest products to be harvested:
16,500 Board feet 3 Cords _____ Cubic feet _____ Tons

How have the trees to be harvested been designated?
 They have been marked with paint at eye level and at ground level. Paint color(s): BLUE
 They have not been marked

This is not an official CT DEP form but it has been endorsed for town usage by: CT Farm Bureau Assoc., CT Forest & Park Assoc., CT Professional Timber Producers, Society of American Foresters - CT Chapter, and others.

SOIL, WATER AND INLAND WETLANDS RESOURCES

Actions Being Performed On This Land

(Check all that apply and locate on attached Timber Harvest Area map -- see information below on maps.)

<p align="center"><u>Crossings / Clearing</u></p> <p>Temporary stream/drainage crossing Temporary wetlands crossing <input checked="" type="checkbox"/> Removal of trees in wetlands Removal of trees in upland review area</p>	<p align="center"><u>Erosion and Sedimentation Control Measures:</u></p> <p><input checked="" type="checkbox"/> Installation of water bars <input checked="" type="checkbox"/> Grading <input checked="" type="checkbox"/> Seeding Other (describe below)</p>
<p align="center"><u>Log landing area:</u></p> <p><input checked="" type="checkbox"/> anti-tracking pad curb cut</p>	<p align="center"><u>Roads</u></p> <p>Are new roads, other than skid trails, to be constructed for transport of logs or other activities associated with this harvest? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>

Describe in further detail as necessary:

SEVERAL OVERMATURE TREES IN/ADJACENT TO WETLANDS WILL BE HARVESTED TO PREVENT FUTURE BLOWDOWNS. A NARROW STORMWATER DRAINAGE SWALE WILL NEED TO BE CROSSED VIA PORTABLE BRIDGE.

The following maps are attached to this "Notification" (Check all that apply)

- Copy of USGS topographic map with property outlined
- Copy of Assessor's map with property outlined
- Timber Harvest Area map showing outline of harvest area, main skid road locations, log landing area, truck access roads, inland wetlands, watercourses and any crossings

The undersigned hereby swear that the information contained in this application is true, accurate and complete to the best of my (our) knowledge and belief and that the timber harvest will be conducted in accordance with the specifications outlined in this "Notification of Timber Harvest."

Signature of Landowner(s): *Andrew Lurche* Date: 2-15-2021

Print/Type Name: ANDREW LURCHE

Signature of Landowner(s): _____ Date: _____

Print/Type Name: _____

Signature of Certified Forest Practitioner: *Joseph R. Theroux* Date: 2/15/21

Print Name: JOSEPH R. THEROUX

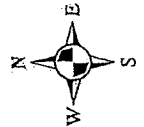
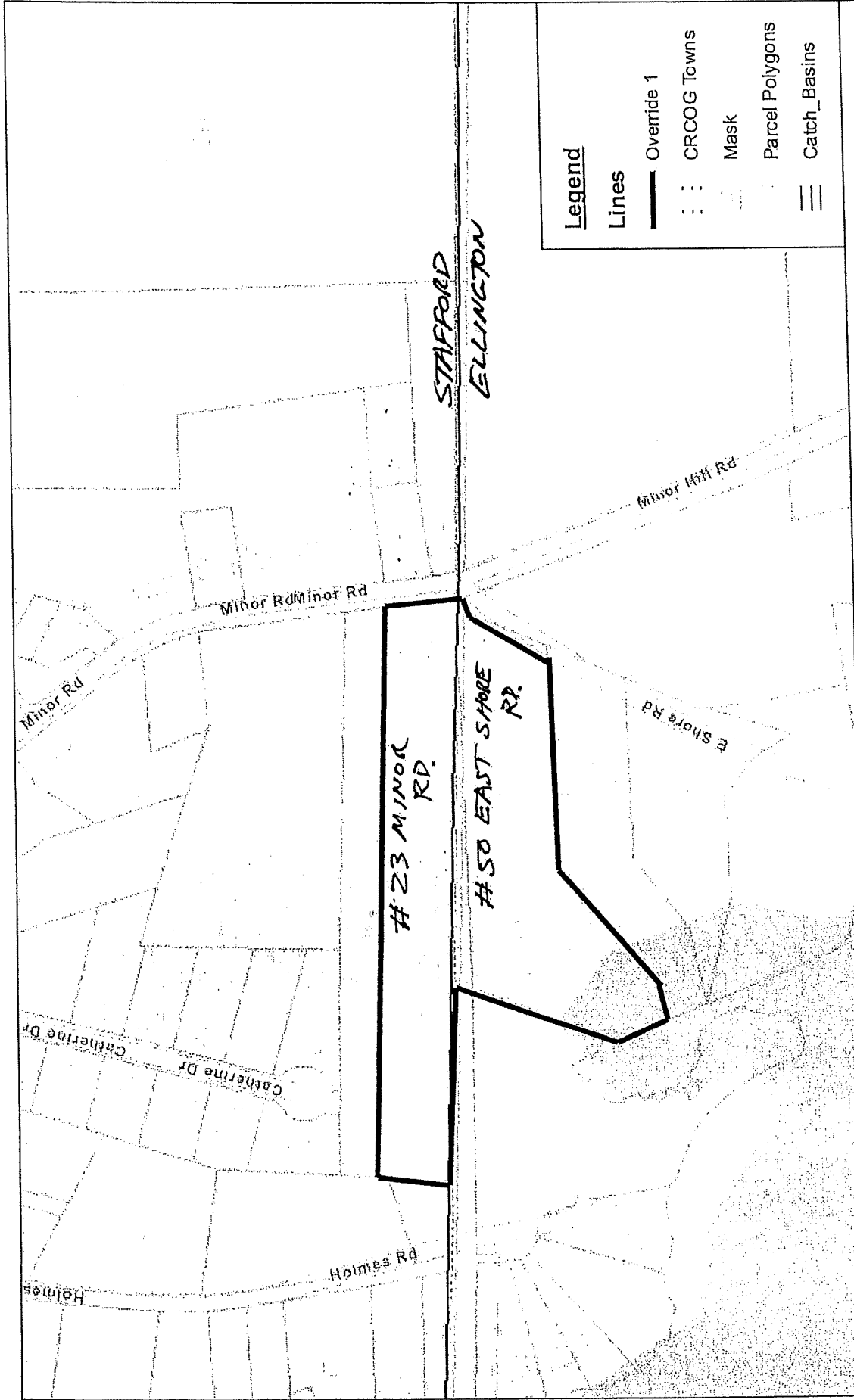
Certificate #: F-028 Expiration Date: 10/1/24

Complete and Submit to:

- The Municipal Inland Wetlands Agency/ies in which the property is located, and
- A courtesy copy of this Notification Form should also be sent to The Department of Environmental Protection, Division of Forestry 79 Elm Street, Hartford, CT, Tel: (860) 424-3630

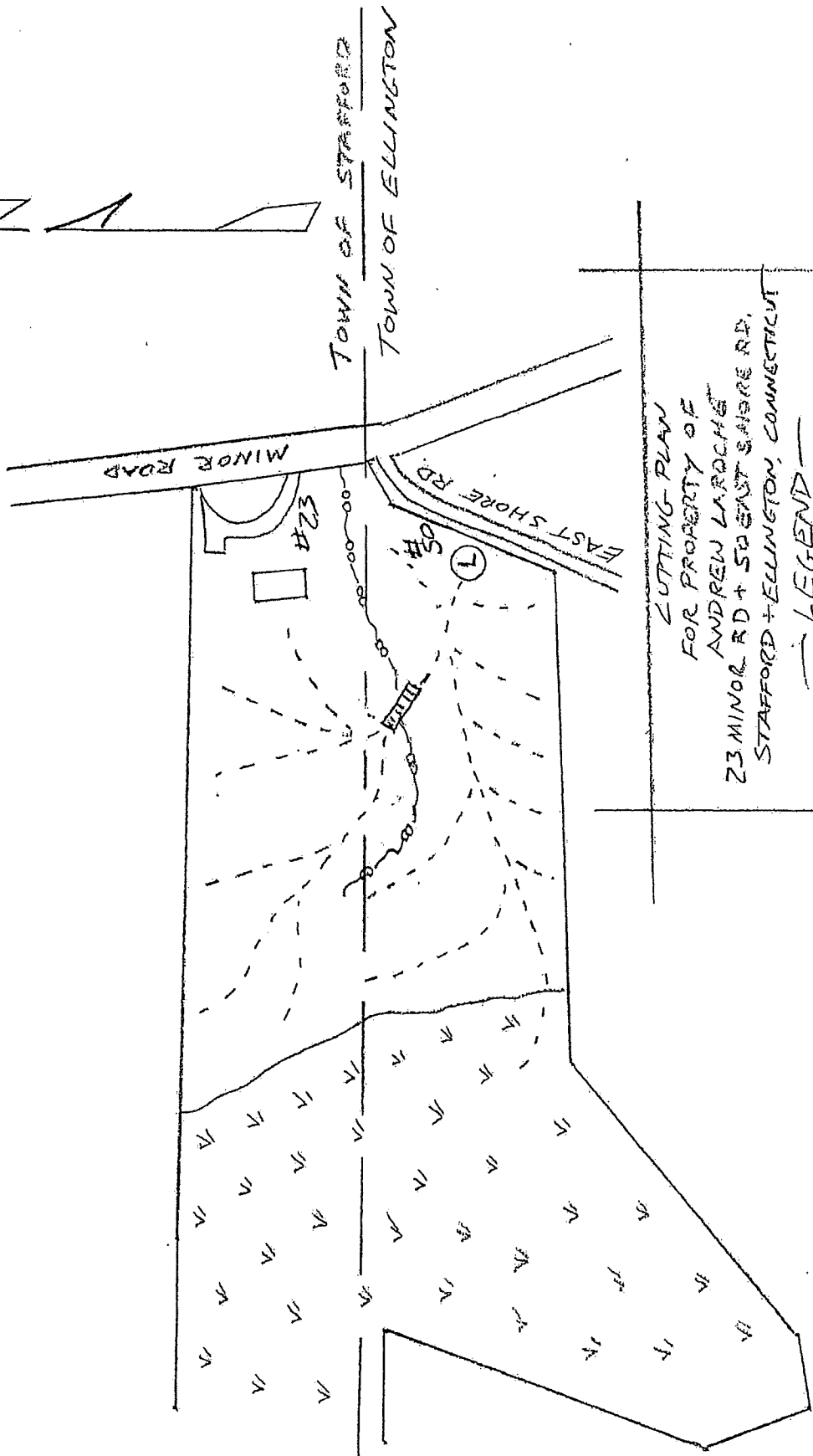
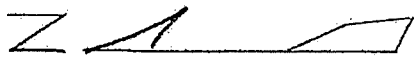
This is not an official CT DEP form but it has been endorsed for town usage by: CT Farm Bureau Assoc., CT Forest & Park Assoc., CT Professional Timber Producers, Society of American Foresters - CT Chapter, and others.

ArcGIS Web Map



CRCOG CAPITOL REGION
COUNCIL OF GOVERNMENTS
Working together for a better region.

CRCOG makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

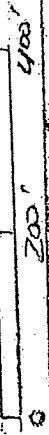


CUTTING PLAN
 FOR PROPERTY OF
 ANDREW LA ROCHE
 23 MINOR RD + 50 EAST SHORE RD,
 STAFFORD + ELLINGTON, CONNECTICUT

LEGEND

- v/v WETLANDS
- MAIN HAUL ROAD/SKID TRAILS
- (L) LOG-LANDING-AREA
- ~ Stormwater DRAINAGE DITCH
- [] PORTABLE BRIDGE CROSSING

SCALE: 1" = 200 FEET



- MAP BASED ON:
- CRCOGGIS DATA
- FIELD MEASUREMENTS

MAP DRAFTED BY: J. THEROUX 2/15/21
 FORESTER CERT. # F-028

50 East Shore Road



Property Information

Property ID 169 045 0000
Location 50 EAST SHORE RD
Owner MINOR LLC



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

Town of Ellington, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 7/23/2020
Data updated 7/23/2020

Barbra Galovich

From: Timothy Webb
Sent: Monday, February 22, 2021 12:11 PM
To: Barbra Galovich
Subject: RE: Staff Review - 50 East Shore Road

Afternoon Barbra, access to the property is via a private road, no impact to DPW. Property did receive a waiver from the Ellington WPCA for a septic installation

From: Barbra Galovich
Sent: Monday, February 22, 2021 11:53 AM
To: James York <JYork@ELLINGTON-CT.GOV>; Kim Bechard <KBechard@ELLINGTON-CT.GOV>; Lori Spielman <lspielman@ELLINGTON-CT.GOV>; Mike Caronna <mcaronna@ncdhd.org>; Raymond Martin <Rmartin@ELLINGTON-CT.GOV>; Sydney Kern <skern@ELLINGTON-CT.GOV>; Timothy Webb <twebb@ELLINGTON-CT.GOV>; Westford Lirot <wlirot@ncdhd.org>
Cc: John Colonese <jcolonese@ELLINGTON-CT.GOV>
Subject: Staff Review - 50 East Shore Road

Hi,

Hope you are doing well. Please see the attached documentation with Staff Review Sheet. This application will be discussed at the IWA meeting on Monday, March 8, 2021.

Please provide your comments/concerns on or before March 1, 2021.

Thank you in advance for your review.

Barbra

Barbra Galovich, CZET
Land Use Assistant
Town of Ellington
55 Main Street
Ellington, CT 06029
(860) 870-3120

**Town of Ellington
Inland Wetlands and Watercourses Agency
Application**

Application # IW202104
Date Submitted 2/19/2021

Notices associated with this application will be sent to the applicant unless otherwise requested.

Owner's Information

Name: William & Christa Burke
Mailing Address: 354 Niederwerfer Rd.
South Windsor CT. 06071
Email: burkeridge354@comcast.net

WHEN NOT REQUIRED BY LAW TO MAIL NOTICE BY USPS, MAY NOTICES BE EMAILED TO YOU? Yes No

Primary Contact Phone #: 860-559-3009

Secondary Contact Phone #: 860 748-9336

Owner's Signature: William Burke Date: 2-18-21

By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted. Moreover, by signing above I/we expressly provide written consent to the filing of the application and access to the site by the Agency or its staff.

Notices associated with this application will be sent to the applicant unless otherwise requested.

Applicant's Information (if different than owner)

Name: _____
Mailing Address: Same as owner
Email: _____

WHEN NOT REQUIRED BY LAW TO MAIL NOTICE BY USPS, MAY NOTICES BE EMAILED TO YOU? Yes No

Primary Contact Phone #: _____

Secondary Contact Phone #: _____

Applicant's Signature: _____ Date: _____

By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted.

RECEIVED

FEB 19 2021

TOWN OF ELLINGTON
PLANNING DEPARTMENT

Street Address: 95 Wapping Wood Rd.

Assessor's Parcel Number (APN): 001 - 002 - 0000

Proposed upland review area affected in square feet: 4.75

Proposed wetlands/watercourses affected in square feet and linear feet (as applicable): None

Total area of wetlands/watercourses on parcel in square feet or acres: 8 acres +/-

Public Water: Yes No Public Sewer: Yes No *If not served by public water and sewer, applicant shall make application to North Central District Health Department (Enfield Office) if required.*

Is the project in a public water supply watershed area? Yes No

If YES, applicant is required to notify the Connecticut Water Company and Commissioner of Public Health by certified mail, return receipt within 7 days of this application (Conn. Gen Stat. Sec 22a-42f). Copy of application, plans, and supporting documents must accompany notice. Applicant can email the Commissioner of Public Health using their approved form. Proof of notice (return receipt and sent email) must be provided to the Planning Department.

Describe the nature of proposed regulated activity, request for acceptance of a permitted use as of right or a nonregulated use, map or regulation amendment, or other activity requiring review by the Agency or its Agent:
See attached Application Checklist and Appendix D for guidance when preparing application

4.75 Acres of Land Clearing to create pasture for cattle

Working with State of CT, USDA NRCS and Soil Conservation Services guidelines

Applicant shall provide certification in accordance with Wetlands Regulation, Section 7.4e, Application Requirements:

Whether or not any portion of the property on which the regulated activity is proposed is located within 500 feet of an adjoining town. Yes No

Whether or not a significant portion of the traffic to the completed project will use streets within an adjoining town to exit or enter the site. Yes No

Whether or not a significant portion of the sewer or water drainage from the project will flow through and significantly impact the sewer or water drainage system of an adjoining town. Yes No

Whether water run-off from the improved site will impact streets or other municipal/private property within an adjoining town. Yes No

FOR OFFICE USE ONLY

If YES to any of the above, the Agency shall, in accordance with CGS 8-7d(f) notify the clerk of any adjoining municipality of the pendency of any application, petition, appeal, request or plan concerning any project on any site. Notice of the pendency of such application shall be made by certified mail, return receipt requested, and shall be mailed within seven (7) days of the date of receipt of the application, petition, appeal, request or plan. (See Agency requirements Section 8.4)

Type of Project: (check one)

Commercial/Industrial Residential Mixed Use Timber Agricultural
 Other, explain: _____

Type of Application: (check one)

- Notification for Non-Regulated Use (Section 4.2)
- Notification of Permitted Use as of Right (Section 4.1)
- Administrative Permit (Section 6.4)
- Agency Permit (TWELVE COPIES REQUIRED)
- Permit Modification
- Permit Extension
- Regulation Amendment
- Map Amendment
- Appeal of Administrative Permit

Application Submittals:

- Completed Application Form (Section 7.4a)
- Application Fee (Section 7.4b)
- Abutters List (Section 7.4c)
- Certification as to Adjacent Towns (See above)
- Certification as to Connecticut Water Company & Commissioner of Public Health (See above)
- Notification Narrative and Supporting Documentation (If applicable, Appendix D)
- Project Narrative and Supporting Documentation (Section 7.4g, 1-11 inclusive, as deemed applicable)
- Project Site Plan - circle one: Administrative (Section 7.4h1) / Agency (Section 7.4h2)
- Supplemental Information (Section 7.5a-j, inclusive, as deemed applicable)

RECEIVED

FEB 19 2021

TOWN OF BURLINGTON
PLANNING DEPARTMENT

4.75 Acres
Proposed Clearing

Date: 2/27/2014

Customer(s): WILLIAM BURKE
District: NORTH CENTRAL CONSERVATION DISTRICT
Approximate Acres: 177.8
Legal Description: Farm 330 Tract 96

Field Office: WINDSOR SERVICE CENTER
Agency: USDA - NRCS
Assisted By: ADAM MAIKSHILO
State and County: CT, Hartford



Legend
— Proposed Fence

Proposed 42' wide fence

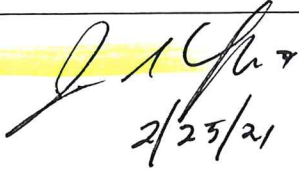
N

ELLINGTON PLANNING DEPARTMENT
STAFF REVIEW SHEET

INLAND WETLAND AGENCY

IW202104 – William & Christa Burke, owner/applicant, request for acceptance to clear woodland to create pasture for cattle as a use permitted as of right at 95 Wapping Wood Road, APN 001-002-0000.

PUBLIC HEARING DATE: March 8, 2021
STAFF REVIEW RETURN DATE: March 1, 2021

DEPARTMENT	COMMENTS AND/OR REQUIREMENTS
Town Engineer	<p data-bbox="716 1115 1430 1188">Any open burning to comply with Town of Ellington Open Burning Ordinance and DEEP Regulations.</p>
Building Official	
North Central District Health Dept	
Fire Marshal  2/23/21	
Public Works Director/WPCA	
Assessor	
Traffic Authority	



STATE OF CONNECTICUT – COUNTY OF TOLLAND
INCORPORATED 1786

TOWN OF ELLINGTON

55 MAIN STREET – PO BOX 187
ELLINGTON, CONNECTICUT 06029-0187
www.ellington-ct.gov

TEL. (860) 870-3120 TOWN PLANNER'S OFFICE FAX (860) 870-3122

INLAND WETLANDS AGENCY REGULAR MEETING MINUTES JANUARY 11, 2021 7:00 PM VIA ZOOM MEETING

PRESENT: Chairman Ken Braga, Steve Hoffman and Katherine Heminway; Present via ZOOM meeting: Vice Chairman Ron Brown, Art Aube, and Alternate Francis Hann

ABSENT: Hocine Baouche and Jean Burns

STAFF

PRESENT: John Colonese, Assistant Town Planner/Zoning Enforcement Officer; Present via ZOOM meeting: Barbra Galovich, Land Use Assistant/Recording Clerk

I. CALL TO ORDER: Chairman Ken Braga called the Ellington Inland Wetlands Agency meeting to order at 7:00 pm.

II. PUBLIC COMMENTS (on non-agenda items): None

III. OLD BUSINESS: None

IV. NEW BUSINESS:

1. Hastillo Properties, LLC owner/ TYMAC Holdings, LLC, applicant, pursuant to Conn. Gen. Stat. 8-26(e), request for positive referral to the Planning & Zoning Commission on an 11-lot subdivision application (S202004) involving land regulated as an inland wetland or watercourse at property located on Tripp Road, APN 023-001-0000.

Mark Peterson, Gardner & Peterson Associates, LLC, 178 Hartford Turnpike, Tolland, CT was present to represent the request.

Mr. Peterson stated his client is looking for a positive referral to the Planning & Zoning Commission. Mr. Peterson explained they redesigned the resubdivision, which has been reduced to eleven lots. He stated that within the 100' upland review area, they are proposing seeding down grade from the proposed stormwater basin, but no earth activity.

Chairman Braga noted that the proposed project will not have any activity within 100' of the delineated wetlands. Commissioner Hoffman asked if the project was redesigned to be any closer to the wetlands. Mr. Peterson said that overall the project is further away.

MOVED (HOFFMAN) SECONDED (HEMINWAY) AND PASSED UNANIMOUSLY TO GRANT A POSITIVE REFERRAL TO THE PLANNING & ZONING COMMISSION - Hastillo Properties, LLC owner/ TYMAC Holdings, LLC, applicant, pursuant to Conn. Gen. Stat. 8-26(e), request for positive referral to the Planning & Zoning Commission on an 11-lot subdivision application (S202004) involving land regulated as an inland wetland or watercourse at property located on Tripp Road, APN 023-001-0000.

V. PUBLIC HEARINGS:

1. IW202001 – Skinner Properties LLC and 83 North Properties LLC, owners/applicants, request for a modification to a permit to conduct regulated activity for the maintenance and restoration of Belding Brook at 120 West Road, APN 037-002-0000 and 124 West Road, APN 037-003-0000.

Time: 7:08 PM

Seated: Braga, Brown, Hoffman, Heminway, and Aube

Guy Hesketh, F.A. Hesketh and Associates, Inc., 6 Creamery Brook, East Granby, CT and George Logan, Rema Ecological Services, LLC, 164 East Center Street, Suite 8, Manchester, CT were present to represent the application.

Chairman Braga noted the Planning Department was in receipt of an email from the Town Engineer, dated January 5, 2021, stating he has no objection to the modification being proposed.

Mr. Hesketh said they were in front of the Agency back in February of 2020 and received a wetlands permit for the overall project on the site. Since then, heavy rain storms have continued to erode portions of Belding Brook where the applicants intend to install a covered bridge to provide access between their properties. Mr. Hesketh said they are requesting a modification to their permit to maintain and restore the severely eroding banks of the brook. He added that Mr. Logan recently flagged the wetlands in this area and they are delineated on the plan.

Mr. Hesketh briefly explained pictures from the Rema Ecological Services, LLC report showing how the brook has eroded over the past several months. He said they are proposing to straighten and widen the brook's channel, including constructing a stilling pool lined with rip-rap at the outfall of the twin pipes coming from under West Road to dissipate flow forces. The stilling pool will create in-stream habitats along with the placement of large cobbles and boulders. The brook's new channel will be lined with bank run gravel and a variety of stone sizes. To stabilize the banks they plan to add sediment logs and grade the channel banks to a 3:1 slope, and plant willows, dogwoods and a conservation seed mix. Mr. Hesketh stated the applicants are planning to complete this project sometime in February, when there is no precipitation in the weather forecast and their contractor believes it will take approximately 3 to 5 days to complete.

Vice Chairman Brown asked if widening the brook in this area would affect the environment of the brook downstream. Mr. Hesketh stated they would not be doing any activity downstream. Mr. Logan explained the work they are proposing should help the downstream area be more stable as the water velocity is slowed during large rainfall events. He added that they will have a low flow channel through the restored portion of the brook to allow for continual flow.

Commissioner Hoffman asked if the restoration plan would impede any of the wildlife that chooses to migrate upstream. Mr. Hesketh stated this should not happen based on the plans and grading. He added that they will make grade adjustments on-site if necessary to allow for in-stream wildlife to move upstream.

Commissioner Hoffman asked if the eroded soil had traveled downstream. Mr. Logan said they had not checked downstream but could look along the applicant's property to see if it had created a problem.

Chairman Braga asked Agency members to make a motion to determine whether or not the proposed activity is significant.

MOVED (HOFFMAN) SECONDED (HEMINWAY) AND PASSED UNANIMOUSLY TO MAKE A DETERMINATION OF A SIGNIFICANT ACTIVITY FOR IW202001.

No one from the public commented on the application.

MOVED (AUBE) SECONDED (HEMINWAY) AND PASSED UNANIMOUSLY TO CLOSE THE PUBLIC HEARING FOR IW202001.

MOVED (HOFFMAN) SECONDED (AUBE) AND PASSED UNANIMOUSLY TO APPROVE WITH CONDITIONS IW202001 – Skinner Properties LLC and 83 North Properties LLC, owners/applicants, request for a modification to a permit to conduct regulated activity for the maintenance and restoration of Belding Brook at 120 West Road, APN 037-002-0000 and 124 West Road, APN 037-003-0000.

FINDING THAT A FEASIBLE AND PRUDENT ALTERNATIVE DOES NOT EXIST. THE ENVIRONMENTAL IMPACT TO THE BROOK WILL BE LESSENER BY THE USE OF EROSION MITIGATION MEASURERS, AS WELL AS WATERCOURSE AND RIPARIAN ENHANCEMENTS AS SUBMITTED IN THE APPLICATION AND CONDITIONED AS FOLLOWS:

Conditions:

- 1) Permit modification approval based on the Erosion Mitigation Plan prepared by F. A. Hesketh & Associates, Inc. dated December 11, 2020, revised December 14, 2020 and Rema Ecological Services LLC report dated December 11, 2020.
- 2) Stipulations of February 10, 2020 Wetlands Permit approval still apply.
- 3) Outfall area of twin CMPs under West Road to be constructed to allow in-stream wildlife to move upstream.

VI. ADMINISTRATIVE BUSINESS:

1. Approval of the December 14, 2020 Regular Meeting Minutes.

MOVED (HEMINWAY) SECONDED (AUBE) AND PASSED UNANIMOUSLY TO APPROVE THE DECEMBER 14, 2020 MEETING MINUTES AS WRITTEN.

2. Election of Officers:

- a. Chairman Position

MOVED (AUBE) TO NOMINATE COMMISSIONER (BRAGA) FOR CHAIRMAN OF THE INLAND WETLANDS AGENCY FOR 2021.

COMMISSIONER (BRAGA) ACCEPTED THE NOMINATION. HEARING NO FURTHER NOMINATIONS, NOMINATIONS CLOSED.

MOVED (HEMINWAY), SECONDED (HOFFMAN) AND PASSED UNANIMOUSLY TO ELECT COMMISSIONER (BRAGA) FOR CHAIRMAN OF THE INLAND WETLANDS AGENCY FOR 2021.

- b. Vice Chairman Position

MOVED (BRAGA) TO NOMINATE COMMISSIONER (BROWN) FOR VICE CHAIRMAN OF THE INLAND WETLANDS AGENCY FOR 2021.

COMMISSIONER (BROWN) ACCEPTED THE NOMINATION. HEARING NO FURTHER NOMINATIONS, NOMINATIONS CLOSED.

MOVED (BRAGA), SECONDED (HOFFMAN) AND PASSED UNANIMOUSLY TO ELECT COMMISSIONER (BROWN) FOR VICE CHAIRMAN OF THE INLAND WETLANDS AGENCY FOR 2021.

3. Correspondence/Discussion: None

VII. ADJOURNMENT:

MOVED (AUBE) SECONDED (HEMINWAY) AND PASSED UNANIMOUSLY TO ADJOURN THE JANUARY 11, 2021 REGULAR MEETING OF THE INLAND WETLANDS AGENCY AT 7:36 PM.

Respectfully submitted,

Barbra Galovich, Recording Clerk

Town of Ellington Planning Department



DATE: March 2, 2021
TO: Inland Wetlands Agency
FROM: John D. Colonese, Assistant Town Planner/Wetland Enforcement Officer
RE: Use of aerators on docks and walls within Crystal Lake

Recently, the Planning Department received inquiries regarding the use of aerators attached to docks and walls within Crystal Lake during the winter. These are devices that create air bubbles in the water to prevent ice from forming around structures. The inquiries were generally about the aerators creating safety hazards for individuals who want to partake in recreation on the lake, however one inquiry questioned if the town's wetlands agency has oversight. I sent an email to Darcy Winther of the Inland Wetlands Management Program at the Connecticut DEEP regarding the issue and received the following response:

The activity may be a regulated activity and can be reviewed by the municipal inland wetlands agency. Some things to consider: is the bubbler a permanent structure and therefore needs to be attached to submerged soil (wetland) or is it a small temporary floating device (on the watercourse)? Can it adversely impact the wetland/watercourse in other ways? Does it fit the "uses incidental to the enjoyment and maintenance of residential property" exemption? If the inland wetlands agency says "yes" then the activity may be ruled an 'as of right' activity. Remember, there are conditions that need to be met to be ruled an incidental use (e.g. no deposition of significant amounts of material, alteration of watercourse, etc.). Bottom line, inland wetlands agency has a right to review the activity.

Based on the response it seems the agency can choose whether or not to review this type of activity. I write this memo to prompt a discussion on the issue at the meeting on March 8th and look forward to your guidance on the matter. Thank you.