

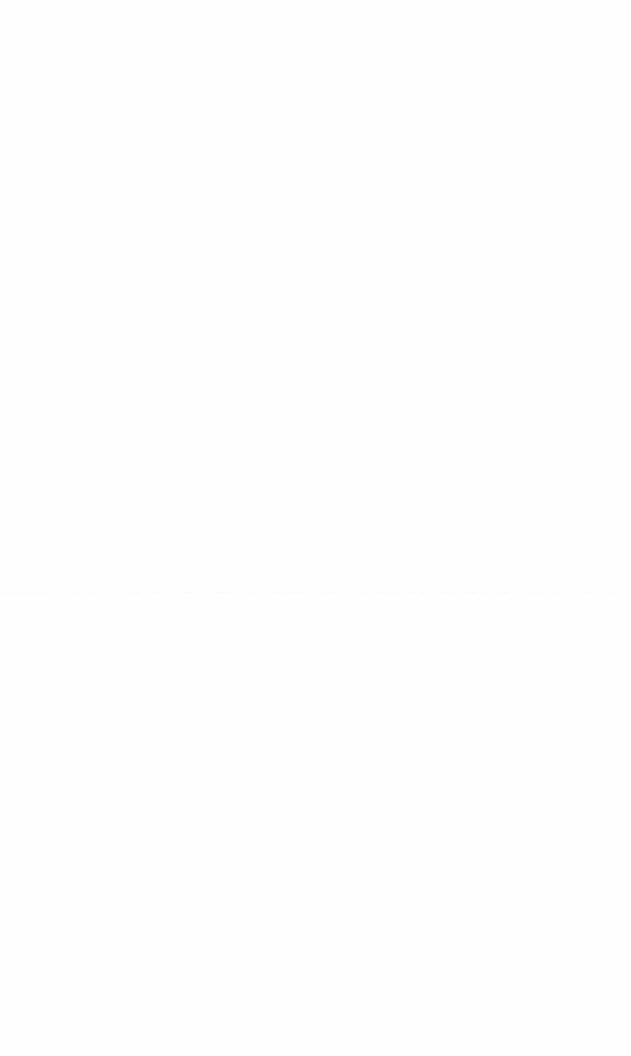
### Amendment to Approved Project

# FEB 0 4 2020

## City of Rochester, New Hampshire

Case # Property Address Carole Court							
Type of project: Site Plan; Subdivision ×; Lot Line Adjustment; Other							
Project name Subdivision for Thomas Aubert, Carole Court, off Portland Street							
Date of original Planning Board approval							
Description of amendmentRevise the rain garden designs on site to be congruent with current design methods							
and implement suggesting from the planning department into the revision.							
Would this affect a wetland or wetland buffer or require a conditional use? Yes No $\times$							
Name of applicant or agent filling out this form Christopher R. Berry of Berry Surveying & Engineering							
Mailing Address: 335 Second Crown Point Road, Barrington, NH 03825							
Phone Number: 603-332-2863 Email Address: crberry@metrocast.net							
Please check box: Applicant  Agent							
Please note: There is a \$125.00 fee for amendments. They are reviewed by the Planning Board and a public hearing is held. Abutters must be renotified by the applicant. The applicant must submit any supplementary materials necessary to explain and support the amendment, such as a narrative and plans. This form, the abutter's list, the fee when applicable, and other necessary materials must be submitted at least 17 days prior to the Planning Board meeting at which the amendment will be presented (by the Friday, 2-1/2 weeks prior to the meeting to allow for public notice).							
Signature of person completing form:  Date: 2-4-2020							
Signature of property owner (if different): Date: Date:							

3/26/2019 Revised





#### **BERRY SURVEYING & ENGINEERING**

335 Second Crown Point Road Barrington, NH 03825 Phone: (603) 332-2863 Fax: (603) 335-4623 www.BerrySurveying.Com

February 4, 2020

City of Rochester Planning Board Attention: Seth Creighton Chief Planner 33 Wakefield Street Rochester, NH 03867

Re: Rain Garden Revisions

Carole Court & Portland Street

Seth,

Since the approval of the project known as Carole Court off from Portland Street there has been a change in the way UNH Storm Water Center (UNH SC), Alteration of Terrain (AoT) and the City of Rochester is prescribing the use of plantings within the Best Management Practice commonly known as a Rain Garden.

In discussing rain garden design with James Houle of UNH SC he notes that planting the bottoms of rain gardens with grass is the common standard. This is due to long term maintenance concerns and the fact that there is little evidence supporting the idea that the plants aid in the removal efficiency within the device itself. AoT is also prescribing grass lining opposed to planted gardens.

The City of Rochester has recently been requesting Bio-Swales on projects if they are to be within the municipal Right of Way, or one that is intended to become municipally owned in the future. Stuart Acres is the latest example of this request. The bio-media proposed has a finer gradation and is planted with a grass so that it can be maintained as a roadway swale, which is within the operational ability of the Department of Public Works, (DPW) yet still provides the benefit of the practice's removal efficiency.

We discussed these items with the applicant during construction and would like to formalize the construction revisions. After meeting and discussing these revisions with you and the Department of Public Works we understand that this decision is best made by the Planning Board after final review by the TRG. Based on our previous meeting, below please find the revisions we are proposing by plan, which include the suggestions made by you and the DPW.

#### Rain Garden #1:

Rain Garden #1 is now proposed to be a grassed lined ponding area for the lower section of Carole Court and has recently been revised to remove the silt and additional loam placed during construction. The revision request is to plant the bio-

Rain Garden Revisions, Aubert Carole Court, Rochester NH

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media with grass as prescribed on the revised plan and has been done on site during the fall of 2019. The plants have largely been removed however we have left 7 of the original shrubs. The idea is to keep a break between what is municipal road / rain garden and private lawn and was preferred by you and DPW during our last meeting. The shrubs were discussed with the current home / lot owner and that is the preferred choice. As suggested, we have added a plaque sign, similar to a buffer sign, to the plans to make people aware that it is a bio-retention system. This will be installed during the spring of 2020.

#### Rain Garden #2:

Rain Garden #2 is a swale between Carole Court and the sidewalk. This swale was an effort to provide first flush treatment to the MS4 and the discharge point to the MS4. This swale was re-constructed during the fall of 2019 to provide the ponding area it was formerly lacking. The area has been re-loamed and seeded, and has been planted per the seeding specifications on the plans. The shrubs formerly provided on the original design have been removed as suggested in our last meeting to decrease maintenance in the future and reduce crowding in this area. As suggested, we have added a plaque sign to the plans. This will be installed during the spring of 2020.

#### Rain Garden #4:

Rain Garden #4 is built per the design plan with the exception of the top dressing and plantings prescribed. The revision request for this system is as follows per our last meeting:

- Top dress the existing mulch with 4" loam and seed per the enclosed design plans. This includes removal of larger shredded materials over 1.5" in size.
- Install 10 bush style plants along the southern slope to clearly define the transition between private lawn area and rain garden area, as a physical deterrent.
- Install a larger, two posted, sign, with an education statement about the rain garden per your request.

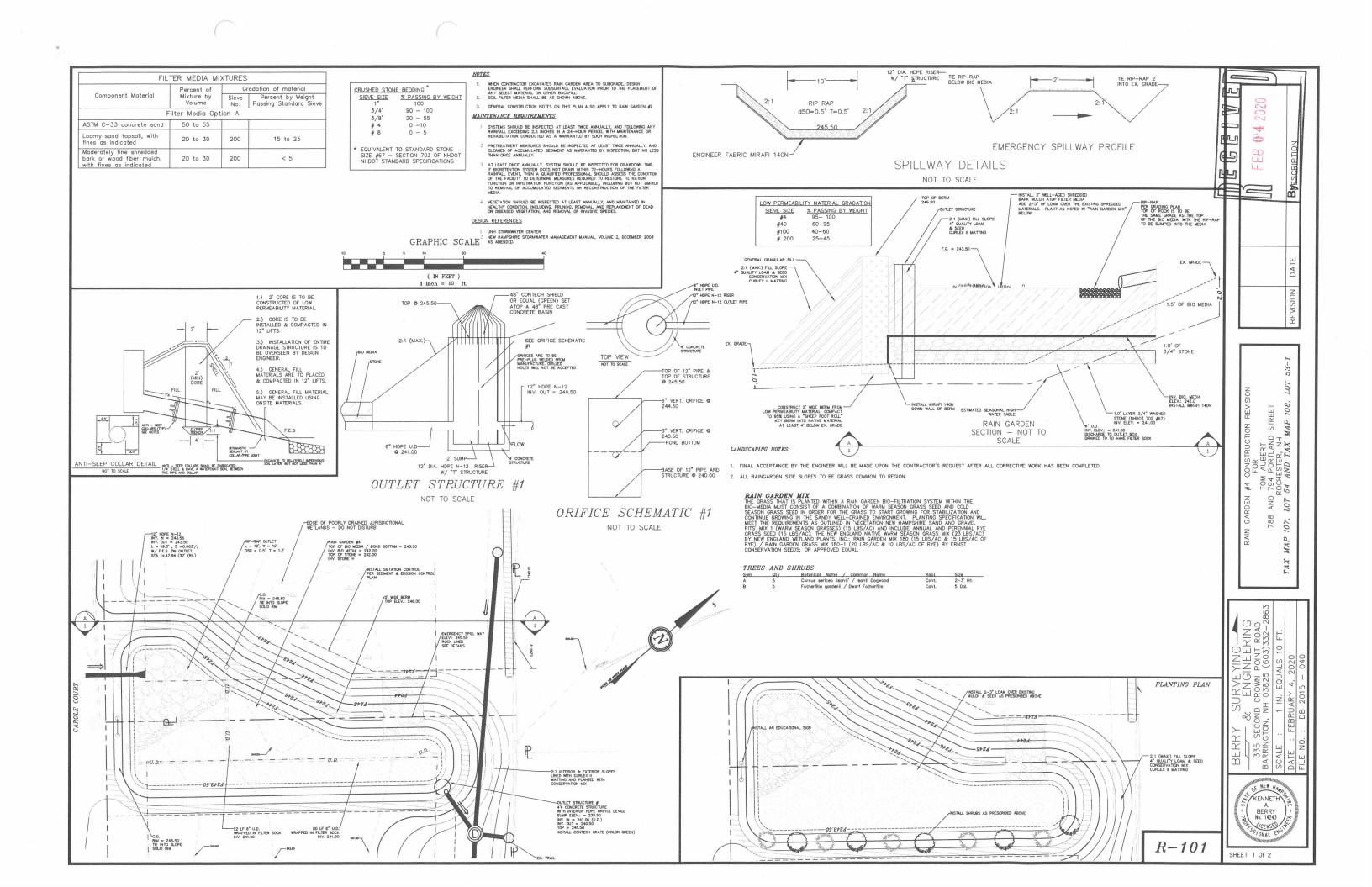
Please let us know if you have any further questions or concerns.

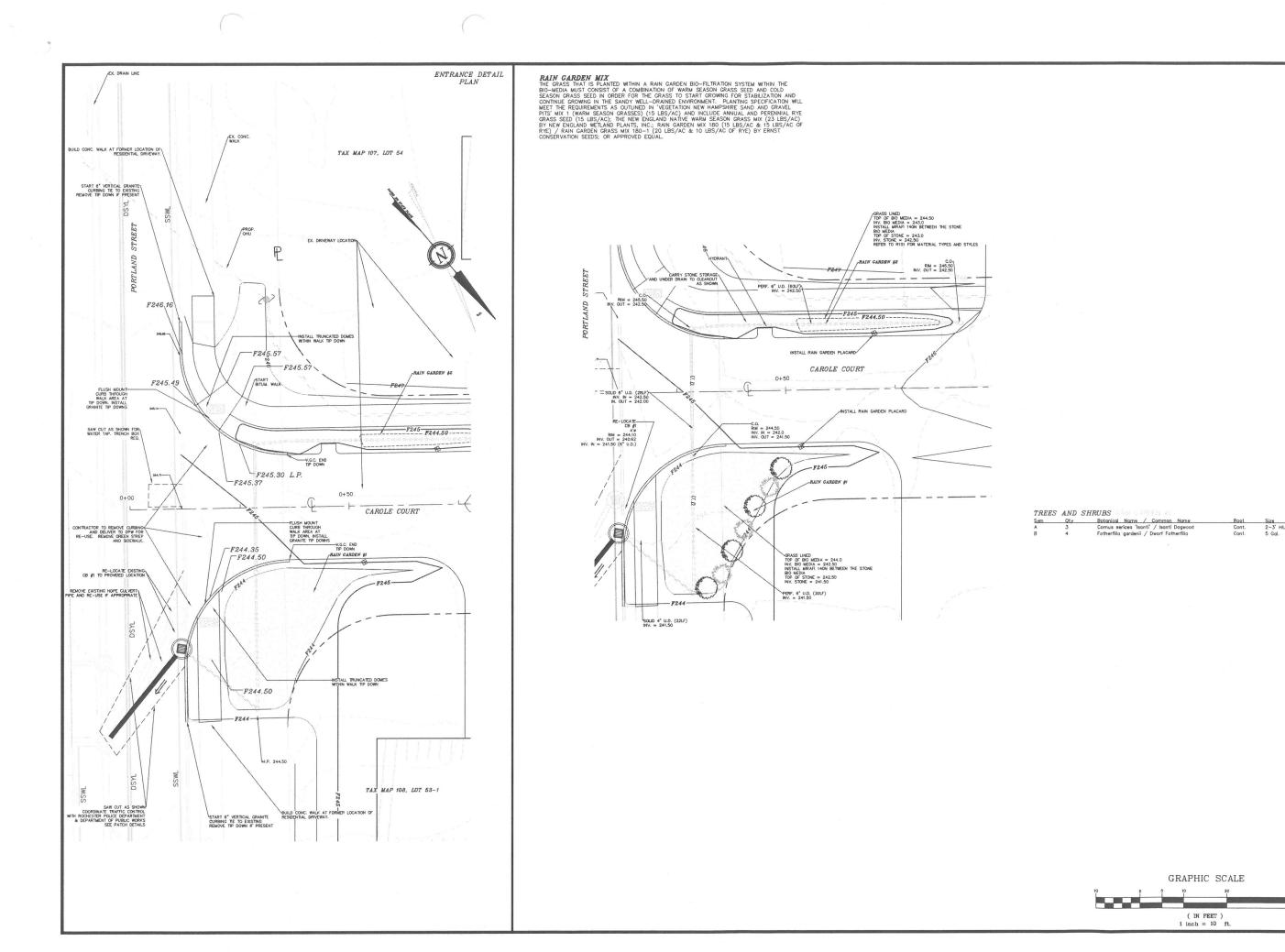
Respectfully Submitted,

BERMY SURVEYING & ENGINEERING

Christopher R. Berry Principal-President

Kenneth A. Berry PE, LLS Vice President Technical Operations





REVISION DATE DESCRIPTION

RAIN GARDEN #1 & #2 CONSTRUCTION REVISION FOR TOM AUBERT 788 AND 794 PORTLAND STREET ROCHESTER, NH TAX MAP 107, LOT 54 AND TAX MAP 108, LOT 53-1

BERRY SURVEYING

& ENGINEERING

335 SECOND CROWN POINT ROAD

BARRINGTON, NH 03825 (603)332-2863

SCALE: 1 IN. EQUALS 10 FT.



SHEET 2 OF 2