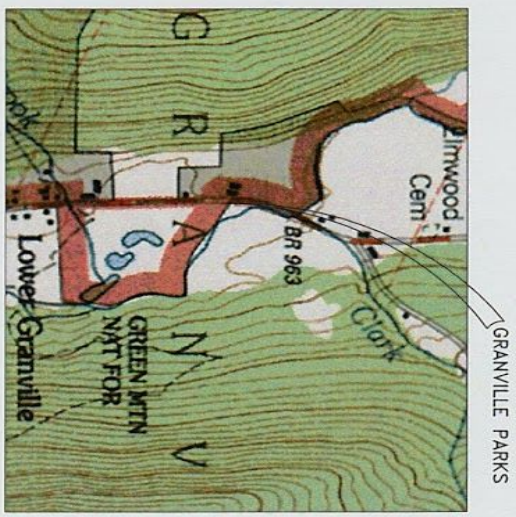
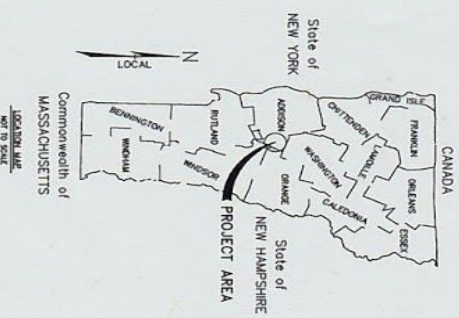


# GRANVILLE PARKS WHITE RIVER GRANVILLE, VERMONT

AUGUST 2016



VICINITY MAP  
SCALE: 1" = 1,000' AT 11x17

LIST OF DRAWINGS

SHEET NO.	TITLE
1.0	NOTES
2.0	GENERAL SITE PLAN
3.0	NATURAL AREA & COMMUNITY GARDEN AREA SITE PLAN
4.0	PUT-IN PARK SITE PLAN
4.0	DETAILS

## FINAL PLANS

AUGUST 11, 2016

## INTRODUCTION

The purpose of this project is to construct a public access to the White River and a Commons area on houses that were severely damaged during Tropical Storm Irene in 2011. The tasks within this project have been placed into two categories. Category one tasks are to be performed by the winning bidder while category two tasks are to be accomplished by local volunteers.

### Category One Tasks:

(greater detail and acceptable methods may be found in the following pages)

- 1.Remove and Dispose of asphalt & Debris (approximately 15 yards), add soil seed & mulch
- 2.Tap Spring & extend line to Garden Area & Install Hydrant and shut-off valve
- 3.Boulder retrieved from 4814 Rt-100 driveway & positioned for sign attachment
- 4.Construction of one 5 space and one 2 space gravel parking areas
- 5.Construction of two Rt-100 accesses per VTrans B-71 (Detail C) Min. thickness 2 inches.
- 6.Create a two step river access path
- 7.Procure and plant three 8-10 foot Maple trees (1 *Acer rubrum*, 2 *Acer saccharum*)
- 8.Procure and plant 30 blueberry shrubs
- 9.Remove one small apple tree stump

This project is funded with federal HUD CDBG Disaster Recovery funds and encourages all Minority Owned Businesses, Women Owned Businesses, and Section 3 Businesses to submit bids. Davis Bacon construction wage rates will apply. The selected contractor will be registered with [www.SAM.gov](http://www.SAM.gov) and not be on the Federal or State of Vermont debarment list. The Town of Granville is an Equal Opportunity Employer.

## CONSTRUCTION AND INVOICING DEADLINES

All the above construction tasks must be completed and Invoices must be submitted to a representative of the Town of Granville no later than 5:00 p.m. May 27, 2017.

### Questions / clarifications of this document

Any questions concerning this project should be addressed to Jim Dague. [jldague@gmail.com](mailto:jldague@gmail.com)



No.	Date	Description	By	Ckd

NATURAL AREA,  
COMMUNITY  
GARDEN AREA  
& PUT-IN PARK

PREPARED BY	DATE
6JD	AUG. 2016
CHECKED BY	QAK PROJECT
JAS	122767.2
PROD ENG.	QAK ARCHIVE
MPH	

SHEET 3 OF 6





**DuBois & King Inc.**  
 ENGINEERING & PLANNING  
 1000 ROUTE 100  
 GRANVILLE, VT 05745  
 TEL: (802) 756-5576  
 FAX: (802) 756-5581  
 50 BURLINGTON VT  
 GRANVILLE, VT  
 LICENSE NO. 1000

**WHITE RIVER**  
 PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY	CKD

**TOWN OF GRANVILLE, VT**

**NATURAL AREA & COMMUNITY GARDEN AREA**

**SITE PLAN**

**SHEET NUMBER**

**3.1**





## **Civil General Notes**

### **General Project Notes**

- 1) The purpose of this project is to construct a public park on land previously occupied by houses that were destroyed during tropical storm Irene in 2011.
- 2) For the purpose of this project, the “owner” of the project is the Town of Granville.
- 3) The owner may designate an engineer or other representative to make engineering and management decisions.
- 4) Planning data shown on these plans is based on field measurements by Dubois and King, Inc. No topographic survey has been conducted.
- 5) The Elevations, Dimensions, and location of all existing and proposed park features shall be field verified by contractor.
- 6) N/A\*
- 7) Written dimensions have precedence over scaled dimensions. The contractor shall use caution when scaling reproduced plans in case of conflict between this plan set and any other drawing or specification. The owner’s representative shall be notified immediately for clarification.
- 8) The contractor shall be familiar with the existing conditions of the site and surroundings prior to bidding on or performing the work.
- 9) The contractor shall bid and perform the work from a complete set of plans and specifications, and shall notify the owner’s representative of any conflicts within the construction documents.
- 10) The contractor shall bid and perform the work in accordance with all local, state, and national codes, specifications, regulations, standards and details.
- 11) No deviation or departure from the design intent presented in the contract documents (plans and specifications) will be allowed unless authorized by the owner’s representative.
- 12) The contractor must receive prior written authorization from the owner’s representative for any proposed substitutions for items and material specified on these drawings.
- 13) The contractor is responsible for the means and methods of construction and for conditions at the site. These plans neither extend nor include systems pertaining to the safety of the construction contractor or their employees, agents, or representatives in the performance of the work. The construction contractor shall prepare or obtain the appropriate safety systems which may be required by the U.S. Occupational Safety and Health Administration (OSHA) and/or state and local regulations.

### **General Construction Notes**

- 14) Locate staging areas away from sensitive areas including, but not limited to, wetland and stream buffers.
- 15) Contractor must stake out limits of proposed work prior to construction.

### **Subsurface Conditions**

- 16) no subsurface investigation has been done specifically for this project.
- 17) Report to the engineer any unusual subsurface conditions encountered during excavation activities.

### **Meetings, Submittal, and Required Inspections**

- 18) The contractor must participate in an on-site preconstruction conference.



- 19) The contractor must submit an anticipated work schedule to the owner's representative each week.
- 20) N/A\*
- 21) The contractor must submit material quantity slips for all materials and items used on the project per these drawings.
- 22) The contractor shall mark in the field the location of all park features for approval by the owner prior to installation.
- 23) The following regulatory clearances are being secured by the owner for this project:
  - a) Town floodplain development clearance prohibiting fill in the regulatory floodway.
  - b) N/AThe contractor is responsible for familiarizing himself with the requirements of these permits prior to bidding, and for complying with them during construction.

### **Boundary and Construction Limit Notes**

- 24) Parcel boundaries are approximate and are based on torn of granville digital tax maps. Dubois and King makes no claim to their accuracy or completeness.
- 25) Wetland boundaries are based on field delineation by Dubois and King, Inc. on Sept. 10, 2015.
- 26) Dubois and King understands that the owner has obtained all necessary legal rights, easements, and permissions necessary to perform the work.
- 27) Contractor must stake out limits of construction prior to start of construction and install demarcation fence or ribbon. At a minimum the riparian buffer adjacent to the river shall be demarcated to prevent damage.
- 28) All construction activities will be performed within the proposed limits of construction. Any need to go beyond these limits may trigger additional permitting requirement and will first need to be approved by owner in writing.

### **Erosion Control**

- 29) Contractor shall construct temporary and permanent erosion and sedimentation control facilities prior to the commencement of earthwork operation. Erosion control measures shall include, but are not limited to, items identified within this plan set or within the Vermont Department of Environmental Conservation (VTDEC) best management practices (BMPS) for erosion control.
- 30) The contractor shall construct and maintain erosion and sedimentation control measures throughout the project site for the duration of the construction. The contractor shall inspect such measures within 24 hours of any rainfall event to ensure that all measures are functioning.
- 31) All disturbed areas shall not be left bare for more than 14 days, shall be stabilized in a manner to mitigate erosion and the loss of sediment from the site.
- 32) All slopes greater than IV.3H shall be protected from erosion with appropriate slope stabilization control measures. Contractor shall maintain erosion control protection until vegetation growth has been established. All slope stabilization control measures shall be installed in accordance with manufacturer's recommendation, Vermont best management practices, and the state of Vermont low risk site handbook for erosion prevention and sediment control.
- 33) All swales and ditches with slopes exceeding 5% slope shall be protected from erosion with matting. All matting shall be installed in accordance with manufacturer's recommendation. All swales and ditches shall be properly stabilized prior to directing flow to them.

- 34) The contractor shall not place permanent planting and seeding prior to may1 and after September 15. temporary seeding such as winter rye may be used outside of this period.
- 35) All work must be done in a manner which minimizes the potential for the discharge of sediment-laden water. Contractor is responsible for diverting, pumping, or otherwise controlling water as necessary.

36) N/A\*

#### **Utilities Notes**

- 37) The Location of utilities shown on these plans, if any, is approximate, and Dubois and King makes no claim to its accuracy or completeness.
- 38) Prior to the start of construction, the contractor is responsible for verifying and determining the location, size, and elevation of all utilities (above and below ground) within the project limits, and to take necessary precautions to protect utilities during construction. Contact DigSafe at 1-800-DIG-SAFE ([www.digsafe.com](http://www.digsafe.com)) at least 72 hours before digging.
- 39) The owner shall be notified in writing of any utilities found interfering with the proposed construction, and appropriate remedial action be shall be determined and agreed upon by the owner's representative before proceeding with the work.

#### **Restoration of Surfaces Notes**

- 40) at the completion of work, contractor must restore any construction site access, staging, and work areas to preconstruction conditions. Restoration may include removing existing mowing hazards such as large rocks, metal, wood, flood debris and tree stumps, applying topsoil, grass seed, fertilizer, and mulch to affected lawn areas and patching parking lot areas or driveways that may have been damaged by construction activities. Patching of asphalt pavement shall be done in a manner and with material matching pre-project conditions.

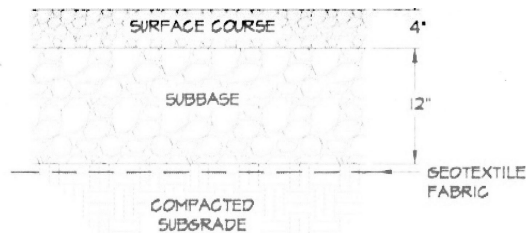
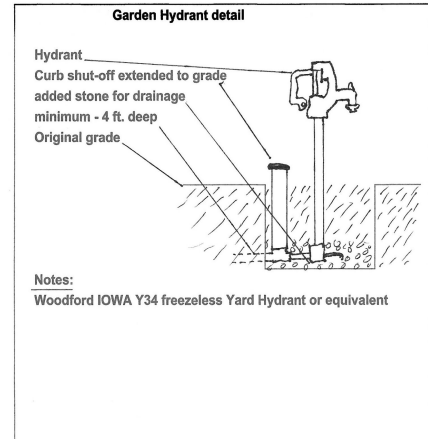
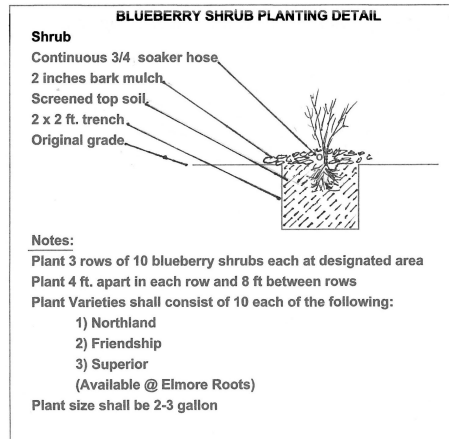
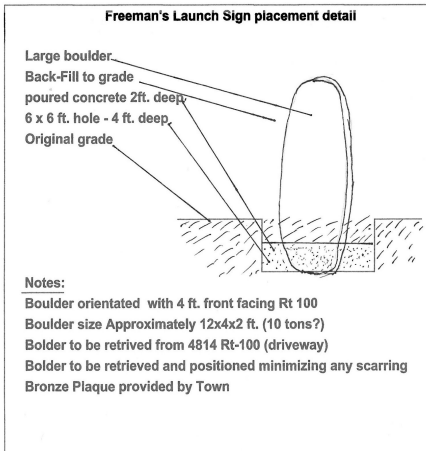
#### **Topsoil, Seed, and Mulch**

- 41) N/A\*
- 42) Topsoil shall conform to vtrans specification 755.02 including the required material laboratory analysis.
- 43) Disturbed areas within the riparian buffer shall be seeded at a rate of 50 lbs/acre. Use a 50-50 mix of new england erosion control restoration mix for dry sites and restoration mix for wet sites by new england wetland plants inc ([www.newp.com](http://www.newp.com)), or approved equivalent.
- 44) Remaining disturbed areas within the park property boundary shall be seeded with VOAT urban area grass mix at a rate of 80 lbs/acre (double if hydro-seeding).

%wt.	lb/ac.	Name	pur%	Germ %
42.5	54	Creeping red fescue	98	85
10.0	8	Perennial ryegrass	95	90
42.5	54.4	Kentucky bluegrass	85	85
5.0	4	Annual ryegrass	95	85

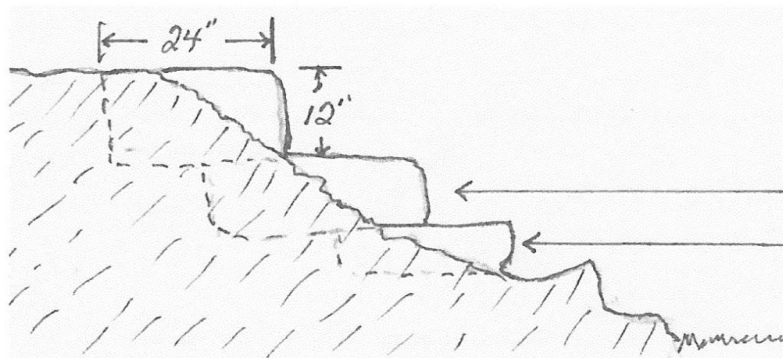
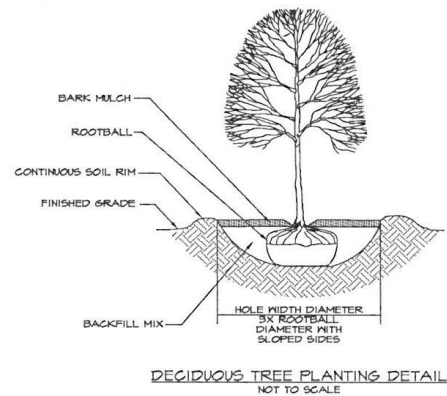
- 45) following seeding, protect areas with loose straw mulch applied at a rate of 2 tons/acre.
- 46) Sloped areas, areas of concentrated flow, and areas adjacent to waterways shall be protected with 100% biodegradable erosion control fabric with no plastic component.
- 47) All geotextile fabric shall be of the non-woven variety.





- NOTES:**  
1. OVER-EXCAVATE AS NECESSARY TO INSTALL SECTION AS SHOWN.  
2. SUBBASE AND SURFACE COURSE MATERIAL SHALL CONFORM TO VTRANS SPECIFICATIONS 301 AND 401.

**GRAVEL PARKING & ROADWAY SECTION A**  
SCALE: 1"=2' AT 11x17



**River Launch detail**

Add top 2 steps  
Existing earth and stones





# Artist Conception by Sandy Pierce

