

NOTICE OF PUBLIC HEARING SUDBURY CONSERVATION COMMISSION

The Sudbury Conservation Commission will hold a public hearing to review the Request for an Amendment to an Order of Conditions, DEP #301-1241, under the State Act and local Wetland Bylaw to include construction of a porch, shed, and walkway, within the 100-foot buffer zone at 159 Concord Road, in Sudbury, MA. David Donald, applicant. The hearing will be held on Monday, May 18, 2020, at 6:30 PM via remote participation (<https://us02web.zoom.us/j/368460001> is the link to join this Hearing via Zoom). Copies of the application may be reviewed on the Conservation Commission web page at: <https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-monday-may-18-2020/>. Please contact the Conservation Office with any questions at 978-440-5470.

SUDBURY CONSERVATION COMMISSION
April 30, 2020

Request to Amend
159 Concord Road Amendment to Order of Conditions 301- 1241

As we discussed last week we would like to continue with the porch project. At this point, the plantings that needed to be installed according to the order of conditions for the deck have been installed and the silt fence and what remains of the waddle are still in place. I have attached a sketch of the plot plan that was used for the deck NOI. The sketch shows the proposed location of the Flo-Well infiltrator that I propose to use for the porch roof, It also shows a proposed walkway and the location of a proposed shed.

Proposed Porch

The proposed porch will be 14' X 18' for a total area of 252 square feet. According to the documentation provided with the Flow-Well this area will produce an average of 62 gallons of rainwater per storm. Installing the Flo-Well with 1 foot of 3/4"stone below and around it will easily accommodate this amount of water. I will connect the Flo-Well to the porch downspouts using 4" PVC and will install a silt fence with a waddle prior to the excavation.

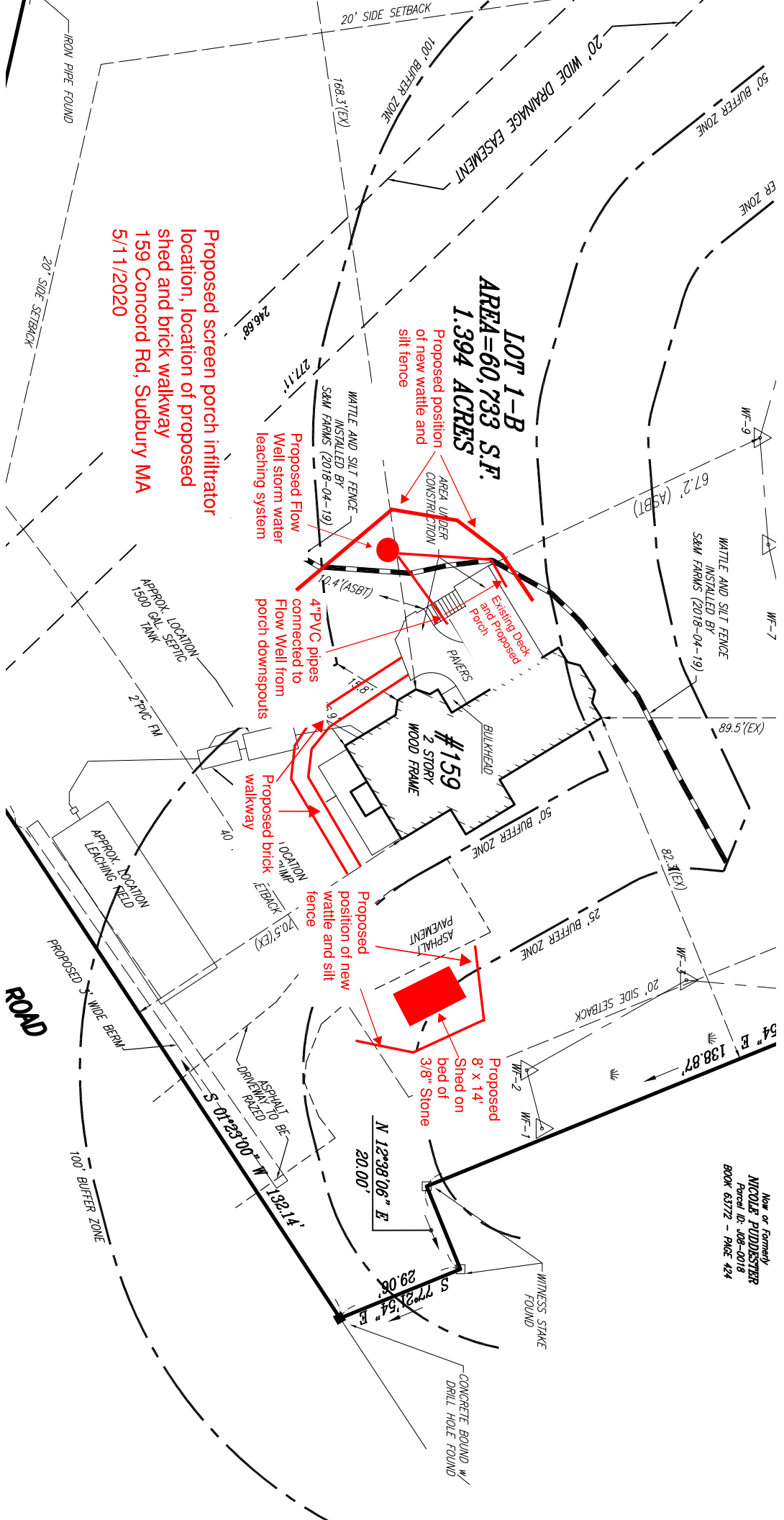
Proposed Walkway

The portion of the proposed walkway that is shown in the sketch on the south side of the house may have already been approved by the commission. We would like to continue that walkway by removing the existing front walk stones and install a brick walk that extends to the driveway.

Proposed Shed

We would like to install an 8' x 14' shed at the grass area just off the upper parking area. As the property has no garage we would use this to store our garden tools and snowblower and it would give us a place to store the trash barrels which currently sit out next to the driveway.

Please let me know the next steps in the process are and thank you for your help on the project.



LOT 1-B
AREA=60,733 S.F.
1.394 ACRES

Proposed screen porch infiltrator location, location of proposed shed and brick walkway
159 Concord Rd, Sudbury MA
5/11/2020

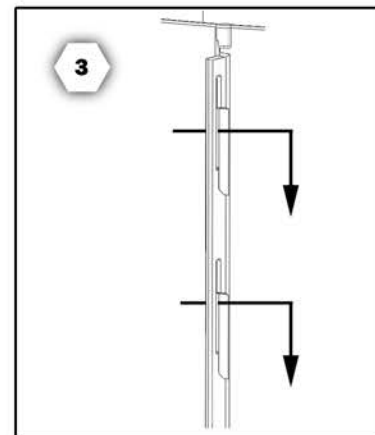
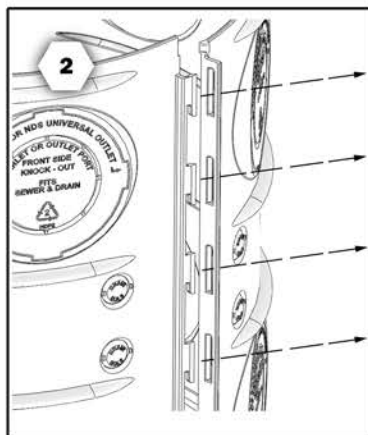
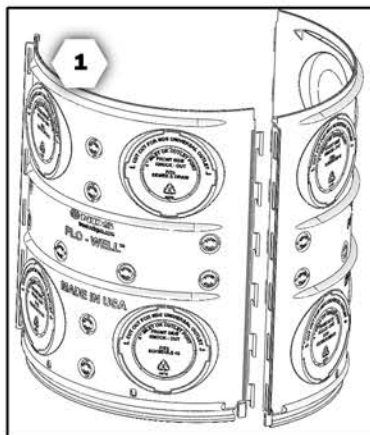
Now or Formerly
NICOLE PUDDISTER
 Parcel ID: 008-0018
 BOOK 63772 - PAGE 424

WARNING: Call before you dig. Contact your local utilities to create utility mark-out, and to avoid personal injury.
RECOMMENDED: For all Flo-Well configurations install at least an appropriate 10 feet from foundations or structures.

ASSEMBLY INSTRUCTIONS

BEFORE YOU DIG:
 Contact the local utilities to create utility markout.

1. Place two panels side by side and align male tabs with female flange.
2. Pinch tabs and flange flush until panels interlock.
3. For final lock, slide male tabs downward until panel edges are leveled at top.
4. Repeat steps 1-3 for the third panel assembly.
5. Set cover over panel assembly and rotate until all three panel flanges are aligned with cover screw locations.

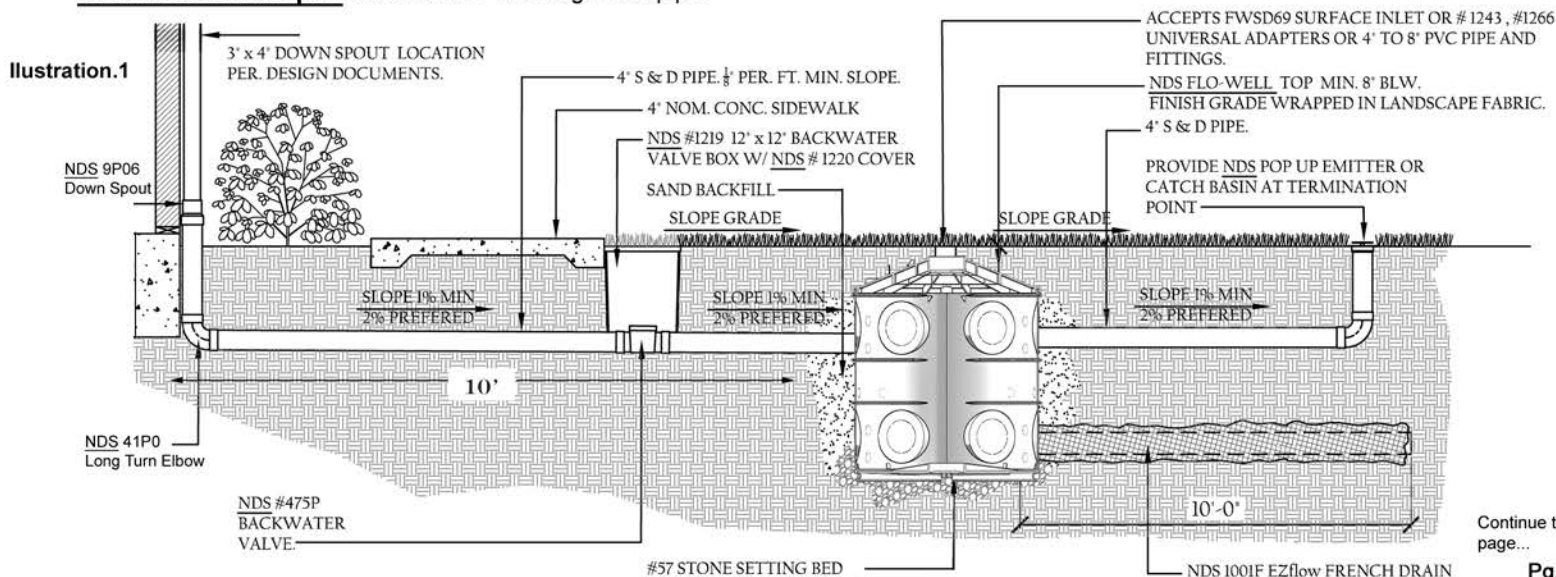


DRY WELL SETUP

Required items: Small hammer, tape, fabric pack, NDS Universal Adapter, shovel, sand or recommended 3/4" stone gravel, 4" PVC pipe, jig-saw, and catch basin or downspout adapter

1. Strategically plan Flo-Well's location at a minimum distance of 10' from foundations.
 - a. Note: Take into consideration traffic and elevation conditions.
2. Once Flo-Well location is verified; dig a 4' wide by 4' deep hole.
3. Dig a trench from the end of the downspout at about 1' deep and 6" wide that slopes gradually towards the Flo-Well.
4. For pipe connection and leach direction, use small hammer and knock-out appropriate 1" and 4" panel ports or use jigsaw to cut out universal adapter port.
5. Wrap fabric around Flo-Well and secure with tape to prevent soil from entering drain holes.
6. Place Flo-Well assembly into ground and insert preferred 4" pipe into knocked-out port. Connect other end of 4" pipe to downspout either by catch basin or downspout adapter.
 - a. Note: Use NDS Universal Adapter and lock within panel universal adapter cut out for 3" and 6" pipes.
7. Backfill evenly around the Flo-Well with sand or recommended 3/4" stone gravel.
8. Bury Flo-well assembly with top at least 8" below the surface grade.

Installation Example: Groundwater Recharge Hardpipe.



Continued...

Optional 1: See Illustration #2

1. For light traffic applications:

Install perforated or slotted SDR35 Pipe to increase vertical loading strength as shown.

Optional 2: See Illustration #1

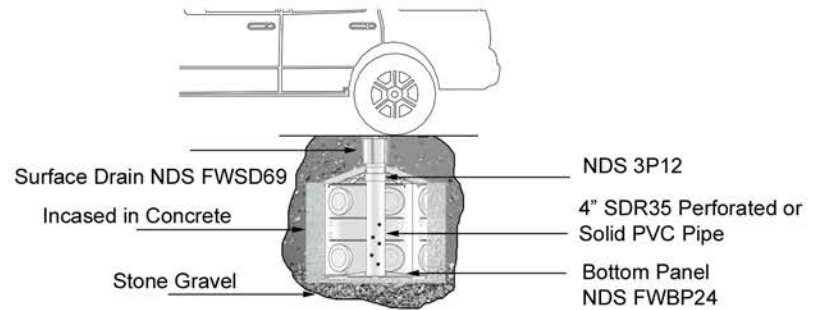
2. For water back up prevention:

Vent downspout and use surface drain to allow overflow of excess water away from Flow-Well.

3. To capture collected surface water:

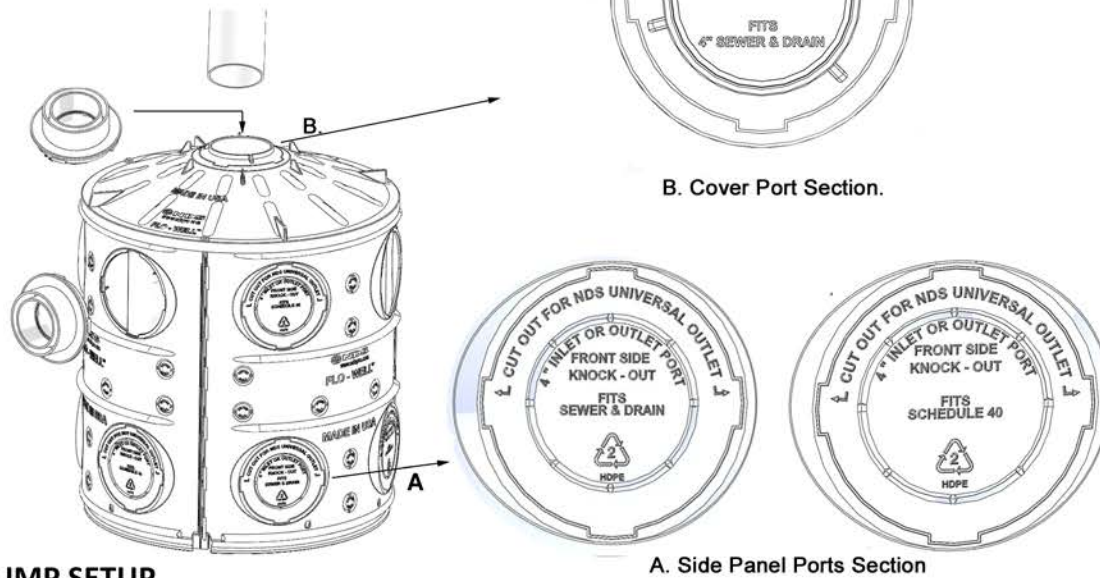
Place the Flow-Well at the lowest elevation point and install surface drain directly on top of cover.

Illustration #2



New Flo-Well Features:

- *Added center 4" cover knock-out
- *Added center 8" cover cut-out
- *Added center "Universal Adapter" cover cut-out
- *Added sump "U" cover cut-out
- *Added 4" SCH 40 and 4" SDR 35 panel knock-out ports
- *Added "Universal Adapter" panel cut-out



SUMP PUMP SETUP

Required items: Small hammer, tape, fabric pack, shovel, sand or recommended 3/4" stone gravel, jig saw, and pump

1. Follow assembly instructions in section 1 then dig a 4' wide by 4' deep hole at a minimum distance of 10' from foundations.
2. For leach direction, use small hammer to knock-out appropriate 1" panel drain holes.
3. Wrap fabric around Flo-Well and secure with tape to prevent soil from entering drain holes.
4. Place Flo-Well assembly into ground and back fill around evenly up to cover with sand or recommended 3/4" stone gravel.
5. For sump pumps there are (3) options:
6. a.) Knock-out the center 4" plug on the top cover if your pump has a center discharge.
- b.) Cut-out 8" circle template on cover with jigsaw for drop-in sump, cover with 8" S&D pipe, cap or install NDS 8" rnd. Grate part # 1040.
- c.) Cut out the "U" shaped section on the top of cover with a jig saw for pedestal pumps with cut-off floats.
7. Attach pump to cover to insure smooth operation of cut-off float.

For Installation details, please visit our website www.NDSPRO.com

Ndspro.com > Products and Solutions > Drainage Solutions > Flo-Well Drywell. The detail drawings will be under the 'Specify Flo-Well' category.

IMPORTANT NOTICE: It is your obligation to determine whether this product is suitable for your intended use and particular method of application. CONSULT YOUR LOCAL BUILDING OFFICIALS TO INSURE COMPLIANCE WITH ALL BUILDING CODES AND REQUIREMENTS.

CAUTION: The step-by-step installation instructions provided reflect mechanical assembly only. Additional information may be necessary to insure proper results for all applications. Consult with professionals to determine special soils conditions and structural requirements.



Another Quality Product brought to you by NDS, Inc.

851 N. Harvard Avenue, Lindsay CA 93247

If you have any questions or comments about this product, please call us at (800) 726-1994