

**Town of North Yarmouth
PUBLIC WORKS DEPARTMENT
Gravel Pit Reclamation Plan**

Purpose:

Reclamation plan for gravel pit purchased from KRC Properties.

History:

The Town of North Yarmouth purchased the former Robinson Spent gravel pit from Ken Cassidy of KRC Properties. This Gravel pit was mined out to the property lines and water table on the pit floor prior to the purchase. The Town bought the property as it abutted the Town's gravel extraction area. The pit's filling started as a place for the Town's Public Works Department to dispose of roadside ditching materials. In time, the Maine Department of Transportation (MDOT) was allowed to dump roadside ditching materials in the pit, which led to local excavating contractors being allowed to do the same. The area of the hole is expansive.

Long-Range Plan (Start to Finish):

There was no long-range plan at the start, other than to fill a retired gravel pit back to a useful piece of property in the future. The current goal is to:

1. Fill across to Walnut Hill Parkway to the north, west to the Walnut Hill Cemetery, south to land abutting the Public Works Department facilities, and sloping the bank to the east, directing stormwater runoff to the bottom of the remaining pit.
2. Seed all raw areas.
3. No other filling can occur at this time or foreseeable future in the area east of the fill area. Due to the Town's gravel extraction area's workable gravel bank and the area stormwater runoff for the Town of North Yarmouth gravel extraction area, the Walnut Hill Parkway subdivision future stormwater runoff for the filled area drains too. After the area is reclaimed and the settling period has passed, it could be converted to many different uses, from the sports field to lots sold for commercial development.

Mid-Range Plan (2-5 Years):

The mid-range plan is to slope the bank to the east of the fill area as the fill area expands. It would be graded to an approximately 2½ to 1 slope, covered with a topsoil mix, seeded with a conservation grass seed mix of perennial/annual ryegrass, creeping red fescue, white clover, Kentucky bluegrass. It will be blended with a nurse crop of winter rye for rapid growth on the slope. All seeding will be covered with mulch hay. No mowing of the sloped bank is planned. Any trees or brush naturally seeded will be allowed to grow. To control storm runoff from the top of the fill area. The fill area's surface is graded, so all water runs to the working banks being filled. No stormwater is allowed to run to the south of the Public Works facility property line. As the fill area grows, berms, retention ponds, and drainage ditches will be constructed to control water flow to the bottom of the remaining pit to the east.

Short-Range Plan (1 year):

All dumping is by permission only; only clean inert fill can be deposited in the fill area. No stumps, metal, wood, or contaminated soils will be allowed. There are two dump locations, on lower side access from Walnut Hill Parkway and top-side access from the Public Works facilities. Only three (3) contractors are allowed to dump on the top side of the fill area, A.H. Grover Inc., Scott Dugas Trucking and Excavating, and Story Bros. Trucking and Excavating. These contractors keep bulldozers on-site and are aware of the conditions of the dumpsite. Other contractors can dump on the top side, working in conjunction with one of the three contractors. Ben Grover, A H Grover, Inc., is the liaison between contractors and the Public Works Department. He also helps police what is dumped and helps control fill operations. A. H. Grover, Inc. will be the contractor assisting the Public Works Department slopping and finishing the bank. The Yarmouth Water District is also monitoring the site. MDOT and other small contractors are allowed to dump in the lower section. Public Works grades and levels lower side dumpsite as necessary. Grading and seeding approximately two hundred (200) feet of the bank on the east slope may occur in the 2020 growing season before October 15th seeding deadline.

A quantity of peat moss was dumped at the site by Quick Plug and Casella. The Town was led to believe it was inert and safe to dump. None was buried. With guidance from Randy McMullin and Mark King, Maine Department of Environmental Protection, it will be blended with compost and sand to be used as topsoil to cover the sloped banks and other finished areas before seeding. The blend will consist of 2 parts compost, 1-part peat moss, 1/7th-part sand. This mix will be done with a 3-yard front end loader. The operator will mix four buckets of compost with two buckets of peat and one bucket of sand. They are stored until ready to spread. This mixing will take place as compost becomes available.