Open Skies Outdoor Classroom

New Minas Elementary School | Kings County

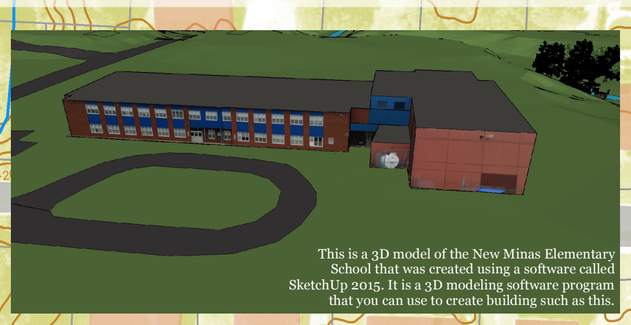
PRELIMINARY MAP

This is the fourth and final map in a series of maps that will give some insight into showing the actual size and exact location on the property of the concepts in the previous map. Compared to the previous map, this map will go into more detail about each and every concept that was talked about and how each concept will look on the property. This map goes into more detail about the materials that will be used to create the concepts from the previous map. This map will go into detail about how tall some of the concepts will be, starting from the ground and how far down the posts will be.

Bridge
Outdoor Classroom
Information Post
You Are Here
Bottle Garden Wall
Trail
Music Wall
Properties
Roads
Building Footprints
Study Area
Parking Lot
Contour Features
Contour Interval 2 Meters

Bridge

There will be two bridges located on this property, one can be found on the north end of the property and the second one can be found at the bottom of the trail just east of the school. These part of the bridge that people will be walking on will be made out of pressure treated lumber to ensure that it is a strong surface that people will be walking on. The railing will be made out of pressure treated lumber, with square spindles, the railing will be three feet in height. The bridges will be five feet wide, to allow for two people to walk side-by-side and twelve feet in length to give enough room on each side to firmly attach the bridge to the ground on either side of the brook.



This is a 3D model of the New Minas Elementary School that was created using a software called SketchUp 2015. It is a 3D modeling software program that you can use to create building such as this.

Outdoor Classroom

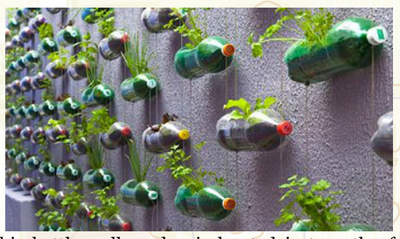
The bench setting for the outdoor classroom that will be used as setting for the children will be made out of pressure treated lumber. It will sit one foot off the ground. The posts that are going to be set into the ground and act as supports for the bench so it will stay in place will be four inches by four inches pressure treated lumber. The chair that the teacher will be sitting in will be made of the same thing. The reason that pressure treated lumber was chosen as the material to create these pieces is it extends the life of the creations. So, in the end by using this material the amount of times broads have to be replaced with this creation will reduced.

You Are Here

Located at the entrances to the trail there will be a “You Are Here”, the frame that will surround the map itself, will be made out of old barn broad (that is still in good condition). The old barn broad will be attached to a piece of plywood to give the map a strong solid surface to be placed upon. Then a piece of clear plexiglass will be placed on top of the map to ensure that the map will not get water damage. There will be a four inch by four inch square post, which will be placed three feet underground to ensure that the post is down past the frost line. Then the post itself will set three a half feet off the ground, this post will then be attached to the plywood. The map, plexiglass and the old barn broad frame would come next in the assembly of the “You Are Here”.

Information Post

The information posts that will be located around the bridges will be created out of round pressure treated posts. The signs that the children can lend a hand in painting, can be made out of pressure treated lumber (or they could be made out of old barn broad). These posts will stand about six feet high and will be put in the ground three feet or more to get past the frost line. This post will not just be put in a hole and then dirt packed in around it, once the hole gets down past the frost line, the post will be put into the hole and then quick drying cement will be poured into the hole to ensure the post will not come out of the hole.



Bottle Garden Wall

This bottle wall garden is located just south of the trail head, which is located east of the school. The back of the bottle wall garden is going too made out of plywood with a two by four attached to the top of it. The plywood will then have holes drilled into it, then stainless steel wire will be put through those holes and have used plastic bottles, that have been cleaned out, hanging from them. Then one side of the bottle will be cut out and dirt will be put into the bottle as well as a seed. This seed could be a vegetable seed or it does not even have to be a seed it could be a small tree. This whole system is to start the growing process and then have the plant transplanted. The bottle wall will stand about three feet high and span about six feet or longer.

Music Wall

The music wall is to be created by used plywood as the wall for strength and there will be pressure treated posts that go into the ground three feet past the frost line and stand about five feet high. The materials that can be used as the instruments could be anything from pots and pans to plastic piping, which is used in homes. These materials do not have to be new, it could be something that is laying around the house and that is of no further use to its owner. The children could even lend a hand in helping assembling this project and also painting it so they can feel involved in the process.

Trail

The trial that will be extended from the existing trail will head south to connect to the property that the skate park can be found on; at the same time the trail will head to the north end of the property and connect to the community on the west side of the property. The trail will be five to six feet wide to ensure two people can walk side-by-side down the trail with ease. The trail will be made out of a crusher dust, so it is easy to work with and the more people walk on it the more it will pack down. There will also be broads be placed along the trail to keep the crusher dust in its place, you will not see the full broad, you will only see about an inch to two inches of the broad at the most to keep the feel the trail natural.

Lockhart Dr
Castle Loma Dr
Jones Rd
Commercial St.
Lockhart Brook
Existing Trail
New Minas Elementary School

Projection: Universal Transverse Mercator, Zone 20 North
Datum: North American Datum 1983 (NAD83)
Correction: Canadian Spatial Reference System 1998 (CSRS98)

Magnetic North
February 2016
Calculated magnetic declination: 17° 33.90'W
Latitude: 45° 07' N
Longitude: 64° 45' W
Base Source: Nova Scotia Topographic Database (NSTDB)
1:10000 Enhanced Topographic Data Base
Compliments of the Nova Scotia Geomatics Centre (NSGC)
Service Nova Scotia and Municipal Relations
160 Willow Street
Amherst, N.S.

Source Map Sheets:
1045050064400
http://www.nsgc.gov.ns.ca/
Data Locator V 3.5

This map is produced as a portion of the requirements of the Geographic Sciences Program
at the Centre of Geographic Sciences, NSCC, Lawrencetown, Nova Scotia.

Produced by: Katie Chute
Date: April 2016

0 10 20 30 40 50 60 70 80
Metres
RF 1:1,000

COGS
Centre of Geographic Sciences
nscc

Sources:

Groundspeak, Inc,. (2016). You Are Here Map. Retrieved from: http://www.waymarking.com/gallery/image.aspx?f=1&guid=9ea47aa2-d637-44db-b192-45a068f65261 (Second image from the top on the left hand side)

N/A,. (2014). Circular bench, would look nice around fire pit. Retrieved from: https://www.google.ca/search?hl=en&site=imghp&tbm=isch&source=hp&biw=1920&bih=979&q=Trails&oq=Trails&gs_l=img.3..0l7j0i10j0l2.1017.1671.0.1839.6.6.0.0.0.0.98.516.6.6.0....0...1.1.64.img..0.6.515.438tHr2P-gs#hl=en&tbm=isch&q=outdoor+classroom+design+ideas&imgrc=MBl1606xrpSk1M%3A (Top image on the right hand side of the map)

N/A,. (2014). Information Post. Retrieved from: https://www.pinterest.com/pin/529524868666022292/ (Second image from the top on the right hand side of the map)

N/A,. (2014). Music Wall. Retrieved from: https://www.pinterest.com/pin/438045501234087360/ (Middle image on the bottom row of the map)

The bridge was created using a 3D program called SketchUp 2015.