# Compass Rock Open Space Residential Development



## **Our Team**

• Property Owner:

- Applicant:
- Civil Site Engineers Landscape Architects:

Dave Lavallee & Chad Lavallee, Managers 81 Purgatory, LLP Lavallee Family Irrevocable Trust

Dave Lavallee & Chad Lavallee, Managers 81 Purgatory, LLP

Wayne Belec Land Design Collaborative

### **Presentation Agenda**

### April 24, 2023

- Development Team Introductions Land Design Collaborative 81 Purgatory, LLP
- Permitting History Land Design Collaborative

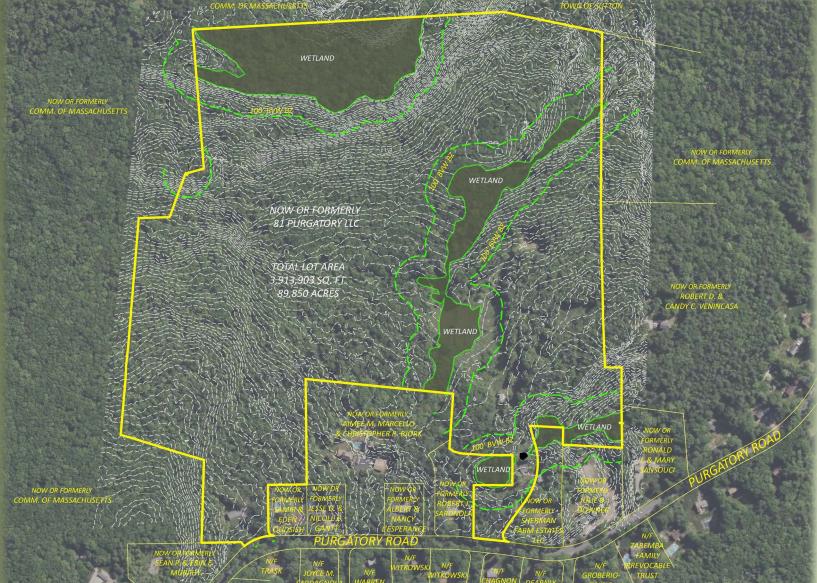
- III Existing Site Conditions Land Design Collaborative
- IV Proposed Site Conditions Land Design Collaborative
- V Open Space
  Land Design Collaborative
  81 Purgatory, LLP

- V Pre & Post Hydrology Land Design Collaborative
- VII Resource Area Impacts & AURA Enhancement
   Land Design Collaborative
   81 Purgatory, LLP
- VIII Q & A Session Land Design Collaborative 81 Purgatory, LLP
- IX Adjournment

### Permitting History

Date	Event
JANUARY 6, 2021	Conservation Commission issuance of an Order of Resource Area Delineation (ORAD) confirming the resource areas on the property.
JUNE 13, 2022	Planning Board endorsement of an Approval Not Required Plan (Form A application) creating Lot 1 at 81 Purgatory Road and removing the lot from the subject property.
SEPTEMBER 26, 2022	Planning Board approval of Compass Rock Preliminary Plan.
APRIL 5, 2023	Conservation Commission- Open Public Hearing (continued)

### Compass Rock Existing Site Conditions



### Compass Rock Proposed Site Conditions - Roads



### Compass Rock Proposed Site Conditions – Full Build



### Compass Rock Open Space



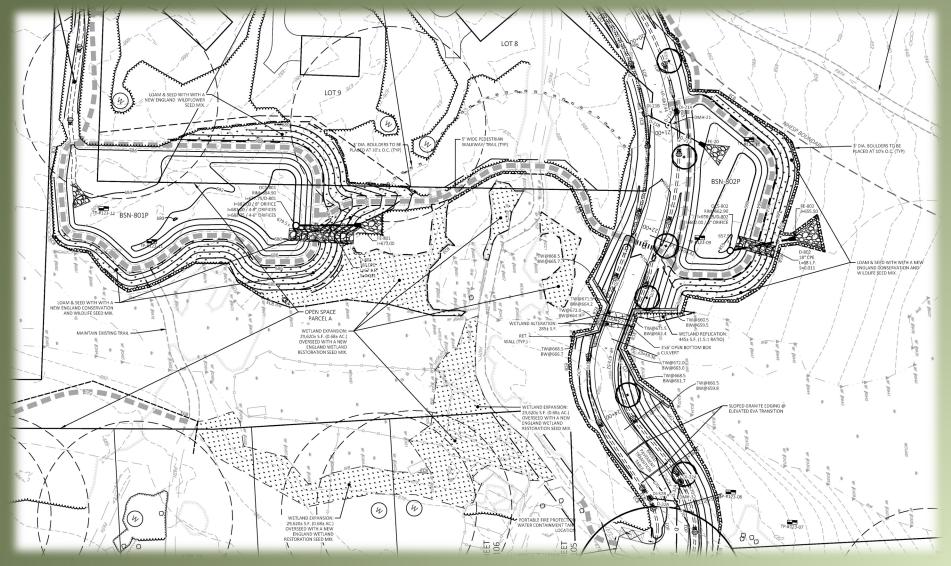
### Compass Rock Existing Hydrology



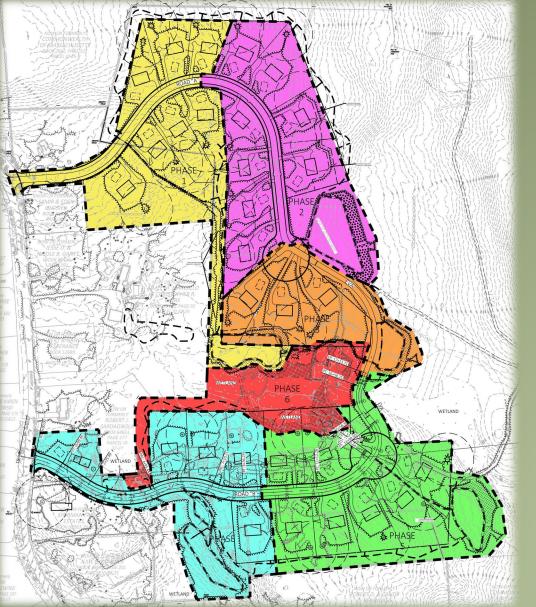
### Compass Rock Proposed Hydrology



### Compass Rock AURA Enhancement



### Compass Rock General Project Phasing



### GENERAL PHASING CONSTRUCTION SEQUENCE:

REFER TO CONSTRUCTION SEQUENCING NOTES ON SHEET C-001

### PHASE 1

ROAD A AND ASSOCIATED INFRASTRUCTURE 1. INSTALL CONSTRUCTION ENTRANCE AT THE ENTRANCE OF THE PHASE.

- INSTALL EROSION CONTROL BARRERS AND SEDMENT CONTROL MEASURES AS WELL AS LIMIT OF WORK DEMARCATION (FLAGGING OR FENCING) AS SHOWN ON THE DRAWINGS OR REQUIRED BY PERMIT GRANTING AUTHORITIES.
- CLEAR TREES WITHIN LIMIT OF WORK AREA ASSOCIATED WITH ROAD, SWALES AND STORMWATER MANAGEMEN BANING, NROPERLY DEPOSITING OF THE FILLED TREES.
- EXCAVATING TO TO ONE FOOT ABOVE BOTTOM OF BASIN(S) FOR USE AS A SEDIMENTATION BASIN DURING EXCAVATING TO TO ONE FOOT ABOVE BOTTOM OF BASIN(S) FOR USE AS A SEDIMENTATION BASIN DURING CONSTRUCTION, PROPERLY DISPOSE OF STUMPS AND BRUSH.
- CONSTRUCT TEMPORARY SEDIMENTATION BASINS AND TEMPORARY DIVERSION SWALES TO DIRECT SEDIMENTATION RUNOFF TO BASINS BEGINNING WITH THE CONSTRUCTION OF BASIN(S). LOAM AND SEE STORMWATER BASIN(S) AND SWALE(S) TRIBUTARY THERETO.
- PERFORM SITE CUT AND FILL OPERATIONS AND ESTABLISH ROUGH SUB GRADES IN THOSE AREAS ASSOCIATED WITH THE ROAD AND ROADSIDE SWALLS.
- INSTALL STORMWATER MANAGEMENT SYSTEM WITHIN THE ROAD AREAS AND STORMWATER BASIN AS WELL AS THE ROADWAY UTILITIES LEAVING WITHISED STUBS AT PHASE LIMITS.
- 9. POUR FOOTING FOR AND INSTALL COMMUNITY MAIL BOX
- INSTALL GRANITE CURBING, PAVE ROADWAYS AND SIDEWALKS TO BINDER COURSE, INSTALL CAPE COD BERM, FINAL GRADE ROADWAY SHOULDERS, INSTALL STREET TREES, OFF-GRADING AND STORMWATER BASINS, THEN LOAM AND SEED.
- LOTS 1-3, 15-17 AND C-1 1. INSTALL CONSTRUCTION ENTRANCE AT EACH LOT.
- 2. FELL TREES WITHIN APPROVED LIMITS OF CLEARING.
- INSTALL DROKID CONTROL BARRERS AND SIDNERY CONTROL MEASURES (AS APPLICABLE) AS WELL AS LIMIT OF WORK DRAMACATION (FLAGGING OR FENONG) AS SHOWN ON THE DRAWINGS OR REQUIRED BY PERMIT GRAWTING AUTORITIES.
- L GRUB WITHIN LIMIT OF WORK AREA AND PROPERLY DISPOSE OF STUMPS AND BRUSH, CLEAR AND GRUB ONLY AS NECESSAY FOR SAFE ACCESS TO STIE FOR THEE REMOVAL EQUIVALITY AND MACHINERY AND THE INSTALLATION OF EMOSION CONTROL BARRIER AND SEDMENT CONTROL MACHINER ADOLUTION IN THIS TAKENING ANALYSI.
- EXCAVATE TEMPORARY SEDIMENTATION BASINS AND CONSTRUCT TEMPORARY DIVERSION SWALES AS MAY BE NECESSARY TO DIRECT SEDIMENTATION RUNOFF TO BASINS.
- ROUGH GRADE LOT DRIVEWAY, INSTALLING LOT UTILITIES, THEN DRILL AND TEST LOT WELL.
- EXCAVATE AND POUR FOUNDATION AND CONSTRUCT HOME.
- 8. EXCAVATE AND INSTALL SEWAGE DISPOSAL SYSTEM, THEN FINAL GRADE SITE AND LOAM AND SEED.
- 9. PAVE DRIVEWAYS BINDER COURSE AND FINISH COURSE.

### PHASE 2

ROAD A AND ASSOCIATED INFRASTRUCTURE

LOTS 4-7, 11-14 FOLLOW PROCEDURES 1-9 AS OUTLINED IN PHASE 1.

### PHASE 3

ROAD A, PART OF EVA AND ASSOCIATED INFRASTRUCTURE TO NORTH SIDE OF WETLAND CROSSING FOLLOW PROCEDURES 1-8 & 10 AS OUTLINED IN PHASE 1.

LOTS 8-10 FOLLOW PROCEDURES 1-9 AS OUTLINED IN PHASE 1.

### PHASE 4

ROAD B AND ASSOCIATED INFRASTRUCTURE

POLICIP PROCEDURES 1-4 ADDRESS TO PROCE POLICIP PROCEDURES 1-4 ADDRESS TO PROCE DECAMETA AND POLIT FOOTINGS FOR STREAM CROSMIC GLAVIET AND PASTAL CLUVIET. DECAMETA AND POLIT FOOTINGS FOR STREAM CROSMIC GLAVIET AND PASTAL CLUVIET. DECAMETA AND PROCEDURES AND PASTAL STREAM CROSSING. CONSTRUCT VIETUANDE PRIVILATION AND PASTAL. CONSTRUCT VIETUANDE PRIVILATION AND PASTAL.

LOTS 18-20 & 30 FOLLOW PROCEDURES 1-9 AS OUTLINED IN PHASE 1

### PHA

ROAD B, REMAINDER OF EVA AND ASSOCIATED INFRASTRUCTURE TO PHASE 3 CONNECTION POINT

POLICIN PROCEDURES 1-7 AS OUTLINED IN PHASE.1 POLICIN PROCEDURES 1-7 AS OUTLINED IN PHASE.1 POLICIN PROCEDURES 1-7 AS OUTLINED IN PHASE.1 POLICIN PROCEDURES 1-7 AS OUTLINES AND VALICAT STREAM CONSIDER. POUR FOOTINGS TO RETAINING WAILS THEN STREP AND POLICIPANES. POLICI WAILS CONSTULCT WETLINE REFLOCATION AREAS. CONSTULCT WETLINE REFLOCATION AREAS.

LOTS 23-29 FOLIOW PROCEDURES 1-9 AS OUTLINED IN PHASE 1

### PHASE 6 BVW EXPANSION

WORK TO COMMENCE IN THE FALL WHEN EXEMPTION RECEITION LASS FLAT AND MAS EXPERIENCED DIEBACK. SAED THE AREA LOAK AND SEEN WITH THE SEED MAX AND APPLICATION NATE SHOWN ON THE PLANS WITH A MIX OF SAMUTUST ON STRAW CHIPPING. FOLLOWING APPLICATION OF MATURE, ROLL THE AREA WITH HAND ROLLERS.

### PHASE 7

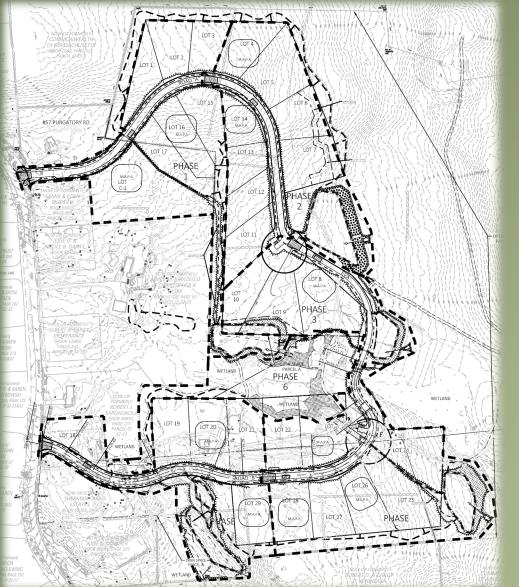
PEDESTRIAN/ TRAIL SYSTEM

INSTALL BROSON CONTROL BARRERS AND SEDMENT CONTROL MEASURES AS WELL AS LIMIT OF WORK DEMARCATED (FLAGGING OR FINCING) AS SHOWN ON THE DATAWINGS OR REQUIRED BY PERMIT GRANTING AUTHORITIES. REMOVO OF SOLS (6-87) FROM THE PATH AND COMPACT WITH A VIBRATORY ROLLER. PACE OF OF STOLE USET IN 31 "UTES, COMPACTING AND WITH A VIBRATORY ROLLER.

FINAL PAVING & SIGNAGE

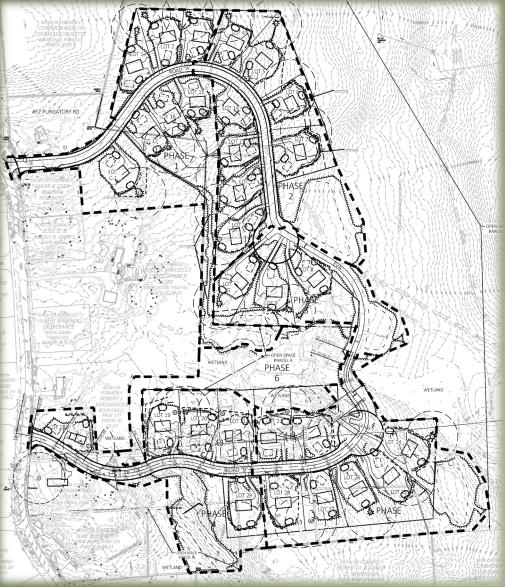
1. SWEEP ROADS A & B AND PERFORM REPAIRS TO BINDER AS NECESSARY THEN PAVE WITH FINISH COURSE. 2. INSTALL SIGNAGE THROUGHOUT THE SITE AS SHOWN ON THE PLANS.

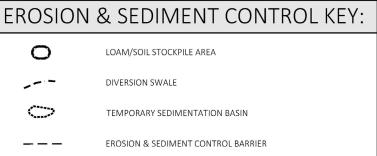
### Compass Rock General Erosion & Sediment Control- Roads



### **EROSION & SEDIMENT CONTROL KEY:** FUEL CONSTRUCTION VEHICLE REFUELING LOCATION CONSTRUCTION ECB MATERIALS STORAGE AREA-MAT. STOR. SUPPLIES OF SILT FENCE, STRAW BALES, STRAW WATTLES, CRUSHED STONE, WOODCHIPS, ETC. PROTECTED FROM THE ELEMENTS. CONSTRUCTION TRAILER LOAM/SOIL STOCKPILE AREA DIVERSION SWALE TEMPORARY SEDIMENTATION BASIN TEMPORARY SEDIMENTATION BASIN - STORMWATER MANAGEMENT BASIN CONSTRUCTION ENTRANCE TO EACH PHASE EROSION & SEDIMENT CONTROL BARRIER TEMPORARY STANDPIPE- PIPE ENCASED IN CRUSHED 7 STONE AND FILTER FABRIC M.A.P.A. MATERIAL AGGREGATE PROCESSING AREA

### Compass Rock General Erosion & Sediment Control- Lots





### **Post Presentation Dialogue**

• Q & A Session:

...Thank You from Our Team