

GENERAL CONSTRUCTION NOTES:

- The land surveyor shall provide a benchmark for vertical control.
- Prior to performing any construction activities, Silt Fencing and Haybales shall be installed, as shown on the Site Plan. The Silt Fencing and Haybales shall be inspected regularly, especially after a precipitation event, and maintained as needed.
- The topsoil shall be removed within the project area and stockpiled for later use. The stockpile shall be surrounded by silt fencing.
- No unsuitable material may be used for fill. Unsuitable material is defined as soft, yielding material or material that cannot be readily compacted. Examples of unsuitable material include: clay, loose stone in masses, cobbles, or boulders greater than 5-inches in diameter, refuse, wood, vegetation, or any decomposable material. Unsuitable material also includes soils that exhibit obvious evidence of contamination or have been identified as containing elevated concentrations of contaminants.
- Minimum width of the driveway shall be 12-feet.
- Install 17 LF of 24-inch Reinforced Concrete Pipe (RCP) Culvert under driveway at the drainage ditch crossing matching the existing grade of the ditch. There shall be a minimum of 6-inches of crushed stone bedding beneath the pipe culvert and a minimum of 12-inches of cover above the pipe.
- Install Rip Rap Protection at the ends of the culvert, matching existing grade, to stabilize the drainage channel.
- A minimum of 6-feet of horizontal separation shall be maintained between the Underground Utility Service and the Sanitary Pressure Pipe.
- Install approximately 230-LF of 1 1/2-inch high-density polyethylene (HDPE), SDR-11 Sanitary Pressure Pipe from the lateral stub to the residential sanitary grinder pump location. There shall be a minimum of 4-inches of crushed stone bedding beneath the Sanitary Pressure Pipe and a minimum of 42-inches of cover above the pipe. Adjacent to the grinder pump where 42-inches of cover is not immediately available, 2-inch foam board insulation shall be installed above the pressure pipe to aid in insulating the pipe from freezing temperatures.
- The Proposed Underground Utility Service pipe shall be installed per the electric contractor's specifications and shall be a minimum of 24-inches to a maximum of 36-inches of cover. Caution Tape shall be installed 12-inches beneath the pipe. A minimum of 4-inches of crushed stone bedding shall be provided beneath the pipe.
- Excavations that require a Service Request for electric service shall be submitted for any new, changed, removed or temporary services. A Service Request for electric service should be submitted via phone (1-888-544-4826) or internet (www.eversource.com). The request should be submitted at least 15 days in advance of any proposed utility work.
- Grading and landscaping adjacent to the house and garage shall be done in such a manner that stormwater runoff flows away from the buildings. Grading adjacent to the house and garage should slope away at a rate of between 1/4 to 1 inch (vertical) per foot (horizontal), or greater, for 5 to 10 feet.
- The slope of the garage floor shall be 1/4-inch (vertical) per foot (horizontal) toward the driveway.
- Roof leaders to drain away from the house on splash pads.

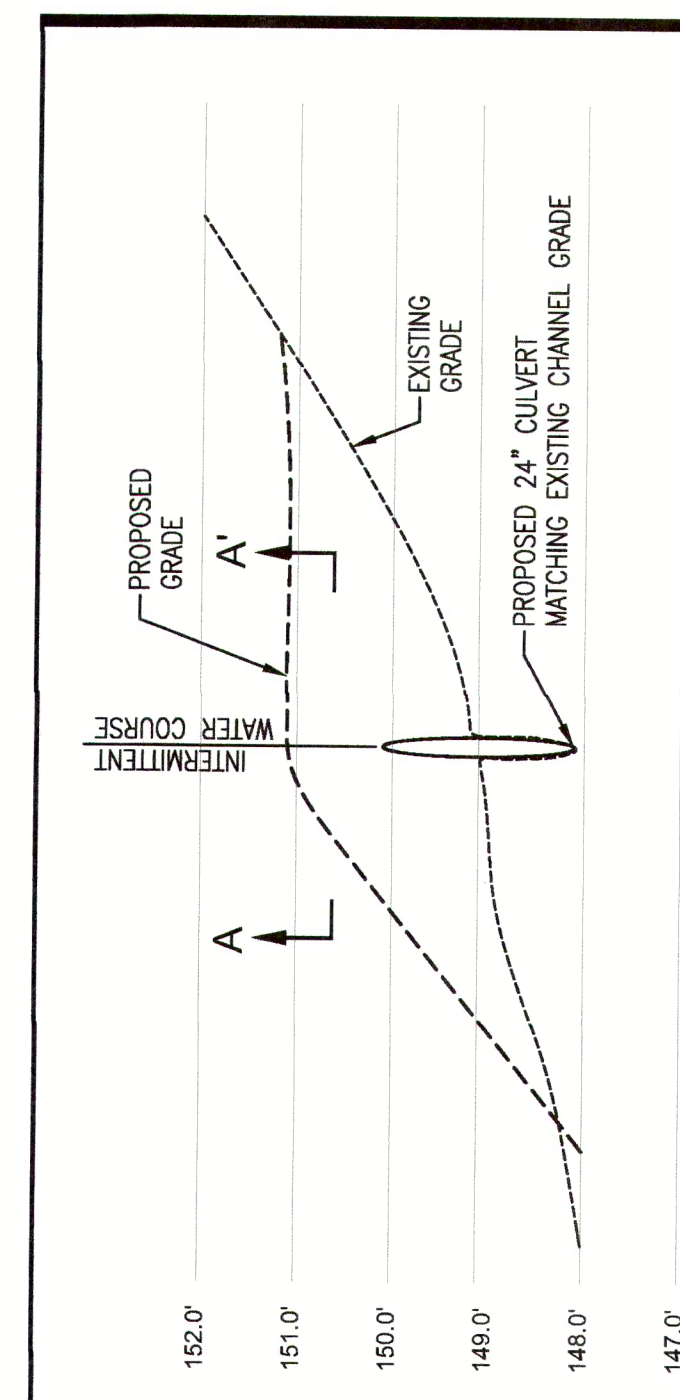
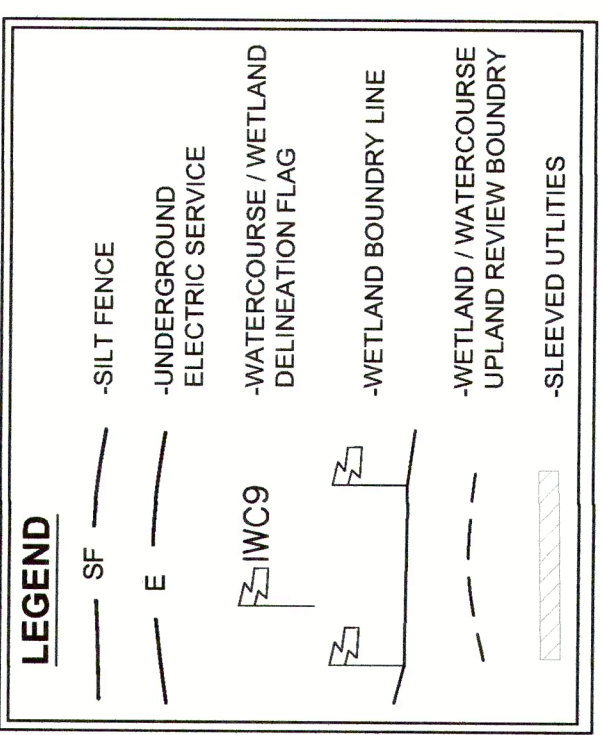
EROSION AND SEDIMENT CONTROL MEASURES

- All construction activities shall be in accordance with the "2002 Connecticut guidelines for soil erosion and sediment control."
- Development of the site shall be overseen by the property owner, who shall be responsible for the installation and maintenance of the erosion and sediment control measures throughout construction.
- The erosion and sediment control measures shall remain in place from the start of construction until permanent vegetation has been established.
- The following general construction sequence with erosion and sediment control measures shall be implemented in the order shown below:

- Limits of disturbance and proposed improvements shall be staked by a Connecticut licensed land surveyor (l.s.).
- Prior to any disturbance of soils on the site, install sedimentation and erosion control measures: anti-tracking pad, silt fence and haybales.
- Anti-tracking pad shall be constructed at the proposed driveway entrance as shown in the site plan (sp-1).
- Install silt fencing as shown on the site plan (sp-1).
- Where the driveway crosses the intermittent watercourse, a 24" diameter reinforced concrete pipe (r/cp) drainage culvert shall be installed, matching existing grade of the drainage ditch. The installation shall be performed during dry weather conditions when rainfall is not anticipated. All disturbed areas shall be kept to a minimum. The banks on both sides of the channel and any disturbed areas shall be stabilized with rip rap.
- The underground utility services (electric, cable, telephone) and sanitary sewer pressure pipe shall be installed as the drainage culvert to limit disturbance to the drainage ditch. The sanitary sewer pressure pipe shall be installed adjacent to the drainage ditch to just past the intermittent stream crossing. The underground utility services and sanitary sewer pressure pipe may be connected to the house later in the development of the site.
- Clear trees and brush from the utility alignment. Cleared material shall be removed from the site or chipped for use in stabilizing the site.
- Stumps shall be removed from the site and be properly disposed of. No stumps, brush or debris shall be left on site. A silt fence and silt fence protection shall be provided. A stone filled sump intake within the trench excavation and a pumping setting basin at the discharge point shall be utilized.
- The erosion and sedimentation controls shall be maintained during construction. Any migration of silt or sediment beyond the project limits, as defined by silt fencing, shall be mitigated as soon as possible.
- After construction and final grading have been completed, all disturbed areas shall be stabilized.
- Hay bales and silt fences may be removed when the disturbed areas have been stabilized.

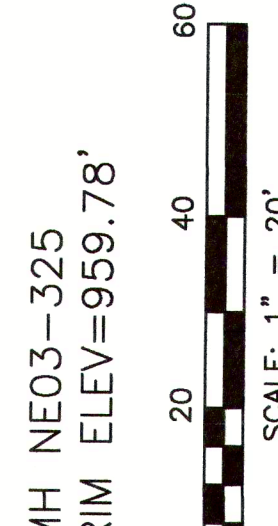
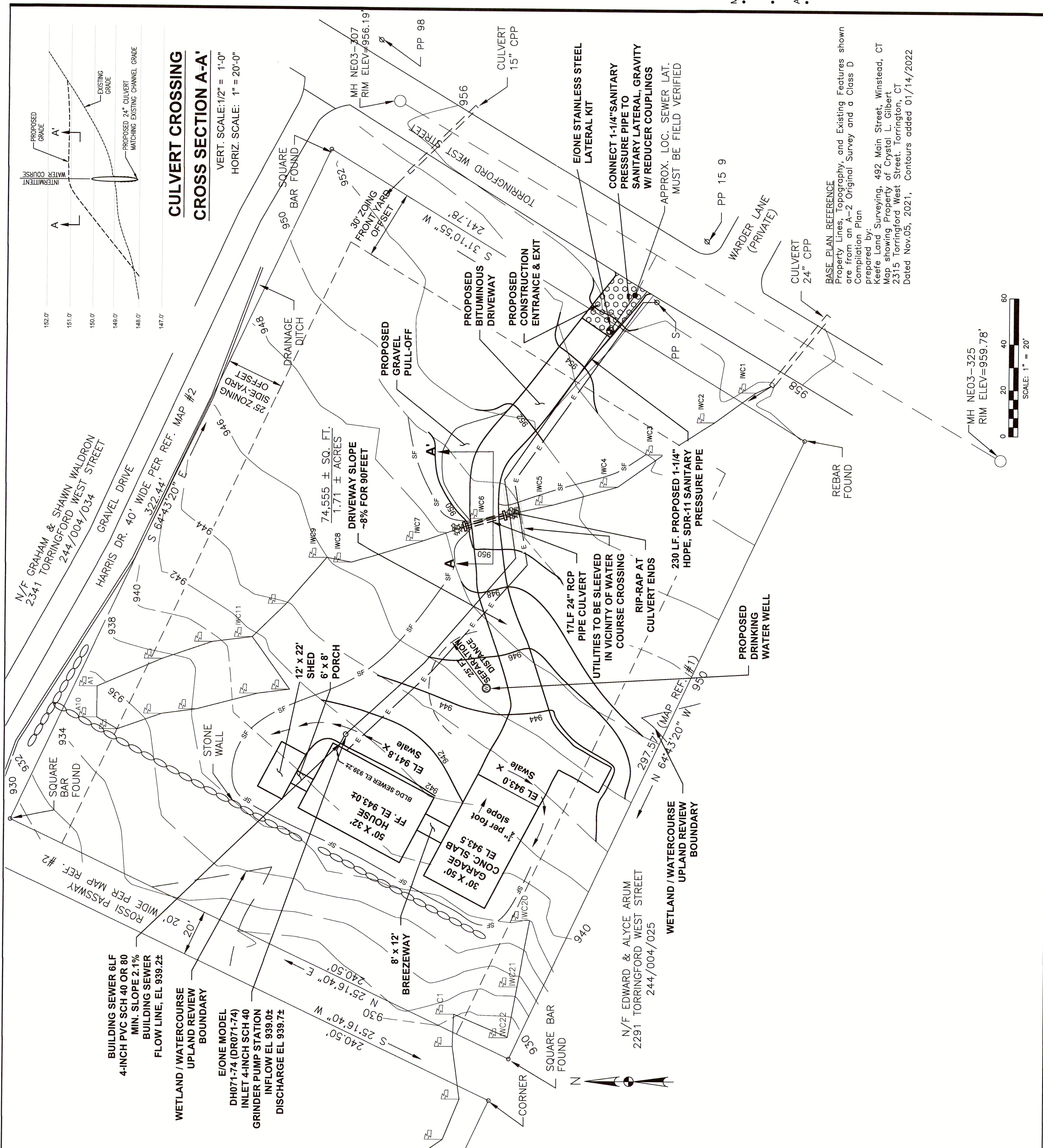
GRINDER PUMP STATION NOTES

- The Grinder Pump Station shall be E/One DH071-74 (DR071-74) with ballast and insulation disk, Design Flow 700 gpd, or equal, inlet-4-inch SCH 40, inflow elevation 939.0±. Discharge elevation 939.7±.
- Install E/One DH071-74 (or DR071-74) with ballast per the manufacturer's installation instructions, which includes a minimum of 6 inches gravel bedding.
- E/One Sentry Protect Plus Panel is recommended.
- Install E/One Stainless Steel Lateral Kit 1-1/4 inch, or equal, at the curb box location shown on the plan.



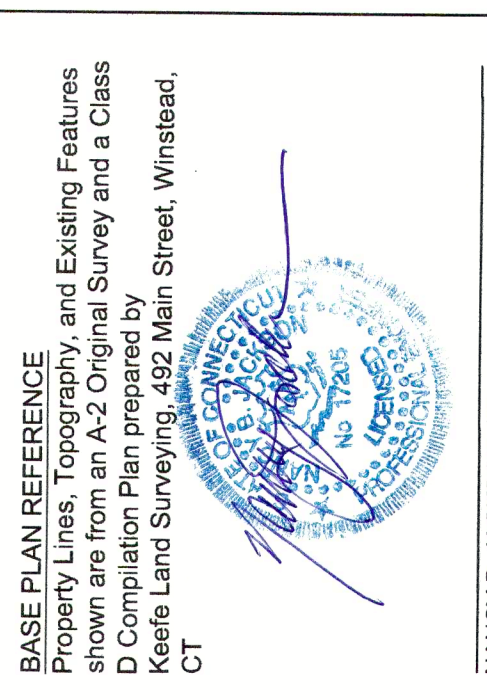
CULVERT CROSSING CROSS SECTION A-A'

VERT. SCALE: 1/2" = 1'-0"
HORIZ. SCALE: 1" = 20'-0"



JACKSON ENVIRONMENTAL, LLC
Environmental and Soil Consultants
289 High Road
Kensington, CT 06037
Ph: (860) 224-4063

Residential Development Plan
2315 Torrington West Street, Torrington, CT
Prepared For - Ms. Crystal Gilbert



NANCY B. JACKSON, PE
LIC. NO. 17205

- REVISIONS:**
- MARCH 22, 2022: Proposed re-grading contours adjacent to the proposed house, garage and shed;
 - APRIL 29, 2022: Interim Watersource Flags "IWC-20" to IWC-22"
 - Revised Proposed Sedimentation and Erosion Control Measures per City Engineer's comments.

SITE PLAN
SP-1

CAD: JE_22-03.DWG
DATE: 03/22/2022
PROJ. NO.: JE 22-03
CHECKED: NBJ
DRAWN: JSJ
SCALE: 1"=20'

BASE PLAN REFERENCE
Property Lines, Topography, and Existing Features shown are from an A-2 Original Survey and a Class D Completion Plan prepared by Keefe Land Surveying, 492 Main Street, Winstead, CT

BASE PLAN REFERENCE
Property Lines, Topography, and Existing Features shown are from an A-2 Original Survey and a Class D Completion Plan prepared by Keefe Land Surveying, 492 Main Street, Winstead, CT
Map showing Property of Crystal L. Gilbert
2315 Torrington West Street, Torrington, CT
Dated Nov.05, 2021, Contours added 01/14/2022