GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND PROJECT SPECIFICATIONS.
2. NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING
   APPROPRIATE NOTICES TO THE CORRECT ENTITY.
3. TOPOGRAPHY ON THESE PLANS IS FROM SURVEY PREPARED BY CLD CONSULTING ENGINEERS IN JUNE,
   2008. AN UPDATED SURVEY PERFORMED IN JUNE, 2019, BY CLD CONSULTING ENGINEERS IN JUNE,
   2019. TOPOGRAPHY ON THESE PLANS IS FROM SURVEY PREPARED BY CLD CONSULTING ENGINEERS IN JUNE,
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NOTES:
1. REFER TO SHEETS S5, & S6 FOR ALL SEPTIC TANK, SEWERLINE, FORCEMAIN & PUMP CHAMBER DETAILS.
2. REFER TO SHEET S7 FOR ALL DESIGN NOTES, PUMP DETAILS & LEACH FIELD DETAILS.
3. WETLAND DELINEATION BY BEAVER TRACKS, LLC WAS CHECKED BY RAY LOBDELL. BEAVER TRACKS REINVESTIGATED SECTIONS AS DIRECTED BY RAY LOBDELL.

SCALE IN FEET:
0 15 30 60 120

LEGEND:
- PROPOSED SEWER LINE
- PROPOSED SEWER FORCEMAIN
- PROPOSED WATER MAIN
- PROPOSED TREE LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED WATER SHUTOFF
- PROPOSED GATE VALVE
- PROPOSED SEWER SERVICE (TYP)
- PROPOSED WATER SERVICE (TYP)
- PROPOSED EFFLUENT GRAVITY LINE (TYP)
- PROPOSED FORCEMAIN (TYP)
- PROPOSED FLUSH HYDRANT
- PROPOSED BLOW-OFF HYDRANT
- 1" WATER SERVICE (TYPICAL FOR CABINS)
- 3/4" WATER SERVICE (TYPICAL FOR CABINS)
- 2" WATER MAIN (TYP)

MATCHLINE SEE SHEET 1
MATCHLINE SEE SHEET 2
MATCHLINE SEE SHEET 3

PROPOSED 4" SDR 35 PVC EFFLUENT GRAVITY LINE TO MAIN PUMP CHAMBER. MIN. 1% SLOPE. PROVIDE CLEANOUTS EVERY 100' SPACING. MINIMUM BURIAL DEPTH THRU FIELDS 4' FOR PROTECTION FROM VEHICULAR WEIGHT.

PROPOSED 4" SDR 35 PVC EFFLUENT GRAVITY LINE TO MAIN PUMP CHAMBER. MIN. 1% SLOPE. PROVIDE CLEANOUTS EVERY 100' SPACING. MINIMUM BURIAL DEPTH THRU FIELDS 4' FOR PROTECTION FROM VEHICULAR WEIGHT.

PROPOSED 2000 GAL. COLLECTION SEPTIC TANK (TANK 15)
PROPOSED 4" SDR 35 PVC SERVICE GRAVITY LINE TO TANK 13. MIN. SLOPE = 2%. PROVIDE CLEANOUTS AT MAX. 100' SPACING.

PROPOSED 2000 GAL. COLLECTION SEPTIC TANK (TANK 16)
PROPOSED 4" SDR 35 PVC SERVICE GRAVITY LINE TO TANK 14. MIN. SLOPE = 2%. PROVIDE CLEANOUTS AT MAX. 100' SPACING.

SMALL BOULDERS OR BUSHES PLACED AROUND SEPTIC TANKS TO PREVENT DAMAGE FROM WEIGHT OF VEHICLES (TYP)

PROPOSED 2500 GAL. COLLECTION SEPTIC TANK (TANK 14)
PROPOSED 4" SDR 35 PVC EFFLUENT GRAVITY LINE TO MAIN PUMP CHAMBER. MIN. 1% SLOPE. PROVIDE CLEANOUTS EVERY 100' SPACING. MINIMUM BURIAL DEPTH THRU FIELDS 4' FOR PROTECTION FROM VEHICULAR WEIGHT.

PROPOSED 4" SDR 35 PVC EFFLUENT GRAVITY LINE TO MAIN PUMP CHAMBER. MIN. 1% SLOPE. PROVIDE CLEANOUTS EVERY 100' SPACING. MINIMUM BURIAL DEPTH THRU FIELDS 4' FOR PROTECTION FROM VEHICULAR WEIGHT.

PROPOSED 4" SDR 35 PVC EFFLUENT GRAVITY LINE TO MAIN PUMP CHAMBER. MIN. 1% SLOPE. PROVIDE CLEANOUTS EVERY 100' SPACING. MINIMUM BURIAL DEPTH THRU FIELDS 4' FOR PROTECTION FROM VEHICULAR WEIGHT.

PROPOSED 2500 GAL. COLLECTION SEPTIC TANK (TANK 16)
PROPOSED 4" SDR 35 PVC EFFLUENT GRAVITY LINE TO MAIN PUMP CHAMBER. MIN. 1% SLOPE. PROVIDE CLEANOUTS EVERY 100' SPACING. MINIMUM BURIAL DEPTH THRU FIELDS 4' FOR PROTECTION FROM VEHICULAR WEIGHT.
SEEDING RECOMMENDATIONS:

1. **GRASS AND FORBS**
   - The seeding rates must be based on the density of the grass and forb species desired. The following are general guidelines:
   - Grasses: 3-10 pounds per acre
   - Forbs: 2-5 pounds per acre

2. **FORSEEDING AND MULCHING**
   - Seed should be broadcast or drilled into the soil, followed by mulching.
   - Mulch should be spread evenly over the seeding area to protect the seed from erosion and to retain moisture.

3. **RECOMMENDED SEEDING RATES**
   - **Rye Grass**
     - Seed: 10-20 pounds per acre
     - Mulch: 3-6 inches
   - **Soybeans**
     - Seed: 15-20 pounds per acre
     - Mulch: 3-6 inches
   - **Oats**
     - Seed: 8-12 pounds per acre
     - Mulch: 2-3 inches

4. **TEMPORARY SEEDING RATES**
   - **Redtop**
     - Seed: 4-6 pounds per acre
     - Mulch: 2-3 inches
   - **Creeping Red Fescue**
     - Seed: 4-6 pounds per acre
     - Mulch: 2-3 inches
   - **Tall Fescue**
     - Seed: 4-6 pounds per acre
     - Mulch: 2-3 inches

5. **PLANTING SCHEDULE**
   - **When Seeded Areas Are Not Mulched**
     - Plantings should be made from early spring to May 20th.
   - **When Seeded Areas Are Mulched**
     - Plantings may be made from early spring to September 15th.

6. **SOIL TYPES AND SEEDING RATES**
   - **A. Sandy Loam**
     - Seed: 5-10 pounds per acre
     - Mulch: 1-2 inches
   - **B. clay loam**
     - Seed: 10-20 pounds per acre
     - Mulch: 2-3 inches

7. **PERIODIC INSPECTION AND MAINTENANCE**
   - The site must be inspected regularly to ensure the stability of the seedlings.
   - Maintenance activities include weeding, watering, and mulching as needed.

8. **CONSTRUCTION SEQUENCE**
   - **1. Site Preparation**
     - Clear all vegetation and debris from the site.
   - **2. Mulching**
     - Mulch the site to protect the seed.
   - **3. Seeding**
     - Broadcast the seed onto the mulch.
   - **4. Mulching**
     - Apply another layer of mulch to the seeded area.
   - **5. Maintenance**
     - Continue to water and monitor the site until the seedlings are established.

COLD WEATHER SITE STABILIZATION REQUIREMENTS:

- **Proper protection of water quality during cold weather and existing streams requires the following stabilization techniques shall be employed during the period from October 1st through April 1st.**

1. **The area of disturbed soil, shall be limited to 1 acre and shall not be used for agricultural purposes.**
   - The following stabilization techniques shall be employed:
   - **A. STOCKPILE TOPSOIL REMOVED FROM CONSTRUCTION AREA AND SPREAD OVER ANY CONSTRUCTION MATERIALS OR EQUIPMENT STORAGE AND REPORT TO THE CONTRACTOR.**
   - **B. MAINTAIN VEGETATED AREAS USING PROPER VEGETATIVE 'BEST MANAGEMENT PRACTICES' FOR THE DURATION OF THE CONTRACT.**
   - **C. DETERMINE RESPONSIBILITY FOR LONG TERM MAINTENANCE OF PERMANENT 'BEST MANAGEMENT PRACTICES' AND REMOVE SEDIMENT INVASIVE SPECIES AND FUGITIVE DUST FROM THE SITE.**

- The maximum amount of soil that can be disturbed per acre during the cold weather period is 10,000 square feet.

CONSTRUCTION SEQUENCE:

1. **SITE PREPARATION**
   - Clear all vegetation and debris from the site.
2. **MOISTURE CONTROL**
   - Use artificial moisture control measures to maintain the soil in a stable condition.
3. **SLOPE STABILIZATION**
   - Use erosion control measures to prevent soil erosion.
4. **SEDIMENT CONTROL**
   - Use sediment control measures to prevent soil and water pollution.
5. **RECEIVING ENVIRONMENTAL PERMITS**
   - Obtain all necessary environmental permits before beginning construction.
6. **SITE SEQUENTIALLY**
   - Construct the project in a sequential manner to minimize environmental impacts.

CONSTRUCTION NOTES:

1. **SITE PREPARATION**
   - Clear all vegetation and debris from the site.
2. **MOISTURE CONTROL**
   - Use artificial moisture control measures to maintain the soil in a stable condition.
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5. **RECEIVING ENVIRONMENTAL PERMITS**
   - Obtain all necessary environmental permits before beginning construction.
6. **SITE SEQUENTIALLY**
   - Construct the project in a sequential manner to minimize environmental impacts.
1. **WATER MAIN** ORDERED EXCAVATION OF UNSUITABLE MATERIAL MAIN ABOVE THE SEWER.  MINIMUM OF 10 FEET HORIZONTALLY AND A MINIMUM OF 18 INCHES VERTICALLY, WITH THE WATER PAYMENT WIDTH SHALL BE 8 FEET CENTERED OVER PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER (D) OR LESS, W SHALL BE NO MORE THAN 36 LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED FROM THE TRENCH RECONSTRUCTION IS PRESERVED. BACKFILL SHALL BE MOUNDED TO A HEIGHT OF SIX INCHES; FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, W SHALL BE 24 INCHES PLUS 20-55% PASSING INCH SIEVE AND NOT MORE THAN 15% PASSES A #200 SIEVE. ORGANIC MATTER, TOP SOIL, WET OR SOFT MUCK, PEAT OR CLAY, EXCAVATED LEDGE MATERIAL, BEDDING COVER OVER WATER SHALL BE 6 FEET MINIMUM IN ALL LOCATIONS.  90-100% PASSING SHEETING PIPE COVER: THE PIPE OUTSIDE DIAMETER.  W SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION W = MAXIMUM ALLOWABLE TRENCH WIDTH MEASURED 12 INCHES ABOVE THE ORIGINAL GROUND SURFACE. ABOVE THE SEWER.  IN CROSS-COUNTRY LOCATIONS SHALL BE SUITABLE MATERIAL AS DESCRIBED IN DETAIL 8.  SUITABLE MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 300 OF THE STANDARD TRENCH SECTIONS.  GREATLY INCREASED VIABILITY OF TRENCH SUPPORTS.  CLEAN SAND FREE FROM ORGANIC MATTER, SO GRADED THAT 100% PASSES A 1 INCH SCREEN AND IS 99% PASSING A #4 SIEVE.  LENS NEEDED TO RESIST THRUST FORCES AT FITTINGS AT 100 PSI WATER PRESSURE- THE RESULTANT THRUST AT FITTINGS AT 100 PSI WATER PRESSURE

**TABLE**

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**NOTES**

- BLOWS MUST BE PIQUED AGAINST UNDERSURFACE SOIL.
- THE PAY WIDTH WILL BE BUILT ON A GRAVEL 6" CRUSHED GRAVEL SEE NOTE 6.  PAY WIDTH: 8 FEET.
- THE PIPE OUTSIDE DIAMETER.  W SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION.