C&J Gravel 2021 permit reclamation cost (see map 1 for reference) 35.43 acres

1: Northwest corner shaping 7.05 acres:

-Cat D10T: 30 hours \$7,500

- A. 7.05 acres
- B. 200' maximum push

2: Southwest corner shaping

-Cat D10T: 8 hours \$2,000

A. 1.44 acres

B. 150' maximum push

3: Northwest slope soil placement (Map 1)

- -Volvo A35-C: 12.58 hours \$968.66
- -Cat 982M: 2.39 hours \$395.54

-Cat D10T 3.64 hours \$910

- A. 7.05 acres: 6" overburden = 5,460yd3
- B. 816' maximum haul distance
- C. A-35C: 287 loads @ 2.63 min per load
 - I. 30 second load time. 2 passes with a Cat 982M
 - II. 1.23 minutes haul time roundtrip @ 10MPH
 - III. 45 seconds to dump material
- D. Cat 982M: 287 loads @ 30 seconds each = 2.39hrs
- E. Cat D10T: 5,460yds3 @ 1,500yds3 hour = 3.64hrs
- 4. Southwest slope soil placement

-Volvo A35-C: 2.58 hours \$198.66

-Cat 982M: .49 hours \$81.09

-Cat D10T: .74 hours \$185

- A. 1.44 acres:
- B. 1.44 acres @ 6" = 1,119.2 yds3 dirt
- C. 816' maximum haul distance
- D. A35-C: 58.90 loads @ 2.63 min per load
 - I. 30 second load time. 2 passes with a Cat 982M
 - II. 1.23 minutes haul time @10mph
 - III. 45 seconds to dump material
- E. Cat 982M: 58.9 loads @ 30 seconds each = .49hour
- F. Cat D10T: 1,119.2yds3 @1,500yds3 hour = .74hour

5: Rip pit floor D10T : 25.25 hours \$6,312.50 A. 25.12 acres B.12" rip depth 6: Place overburden/topsoil over the pit floor 25.12 acres - Volvo A-35C 29.01 hours \$2,233.77 -Cat 982M 8.53 hours \$1,411.71 -Cat D10T 12.97hours \$ 3,242.50 A. 25.12 acres B. 25.12 acres @ 6" = 19,456.97 yd3 dirt C. 600' max haul distance from numerous load out zones; using a Volvo A-35 articulated haul truck with the capability of holding 19 cubic yards heaped. D. A-35C: 19,456.97 yd3 ÷ 19 = 1,024 loads @ 1.7 min per load I: 30 second load time. 2 passes with a Cat 982M II: 27 seconds drive to the dump site @15mph III: 45 seconds to dump material E. Cat 982M: 1,024 loads @ 30 seconds per load = 8.53 hours F. Cat D10T: 19,456.97 yd3 @ 1,500 yd3 per hour = 12.97 hours 7: Seed 2021 permit area -35hr labor \$875 -800.71 pounds seed \$8,007.10 A: Pit floor + slopes = 35.43 acres B: Hand broadcast 800.71 pounds of seed hand broadcasted @ 22.6 pounds per acre Summary Cat D10T:\$20,150 Cat 982M: \$1,888.34

Volvo A35: \$3,401.09 Labor: \$875 Seed: \$8007.10

\$34,321.53