

**STATE OF OHIO  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINERAL RESOURCES MANAGEMENT**

**LESLIE ROAD HIGHWALL RECLAMATION PROJECT  
COLUMBIANA COUNTY, OHIO  
PROJECT NUMBER: CL-Mi-09**

**PROJECT DESCRIPTION**

The Leslie Road Highwall Reclamation Project is located on a pre-law coal mine site. The project site is located in the eastern portion of Columbiana County on Leslie Road in Middleton Township. The project site is approximately 0.6 miles east of the intersection of Leslie Road and OH-7 and is adjacent to the Beaver Creek State Park Campgrounds.

The project site consists of a dangerous highwall and an associated impoundment. The highwall is in close proximity to the roadway and the Beaver Creek State Park Campgrounds. The impoundment has insufficient discharge structures and a seeping embankment. The highwall has an average height of approximately 65 feet above the impoundment, a maximum height of 76 feet, and is approximately 1,800 feet in total length.

The intent of this project is to eliminate the dangerous highwall and an associated impoundment by backfilling the highwall with readily available existing spoil. Once access to the site has been constructed, clearing and grubbing performed and impoundments dewatered, the backfilling of the highwall will proceed. Positive drainage will be achieved by constructing a grass lined channel to convey drainage to a proposed permanent detention basin. The detention basin will be utilized as a temporary sediment basin until acceptable vegetation has been established. Within the basin an engineered catch basin riser and outlet pipe will regulate the discharge through the earthen embankment. The drainage will then pass through a rock lined channel before entering the existing road ditch. Once grading has been approved, the site will be limed, fertilized, seeded and mulched.

During the maintenance period of the project, the Contractor will be responsible for the removal of all temporary sediment control structures, the revegetation of areas disturbed by the removal of the structures, mowing, and the application of maintenance fertilizer.

Major work items include:

1. Mobilization.
2. Maintaining Traffic.
3. Initial construction and final top-dressing of access roads, staging areas and a construction entrance utilizing 368 tons of No. 3 and No. 4 stone, 405 tons of No. 304 stone, 55 tons of No. 2 stone and 120 square yards of filter fabric.
4. Clearing and grubbing of 8 acres.
5. Installation of 955 linear feet of silt fence/straw bale dikes.
6. Construction of 1,410 feet of barbed wire fencing.
7. Impoundment dewatering of approximately 1,200,000 gallons.
8. Excavation and removal of dry hydrant.
9. Removal of 599 feet of existing fencing.
10. Tire removal and disposal of 1 ton.
11. Debris removal and disposal of 10 tons.
12. Approximately 201,000 cubic yards of earthwork to backfill the highwall and construct stormwater runoff structures (i.e. detention basin, emergency spillway, vegetated channel, etc.).
13. Temporary seeding as required by SWPPP over 21 acres.
14. Rock excavation of approximately 165 cubic yards.
15. Installation of a modified ODOT 2-3 detention basin riser structure utilizing 4 tons of No. 304 compacted structural bedding.
16. Installation of a precast concrete headwall, 230 linear feet of 12-inch diameter HDPE pipe, an animal guard and approximately 550 cubic yards of soil compaction for the outlet pipe.
17. Construction of a rock lined channel at the outlet pipe utilizing 8 tons of No. 3 and No. 4 stone and 24 tons of Type "D" rip rap.
18. Construction of a temporary sediment control structure at the catch basin riser. The structure shall include a 4" surface skimmer, 12'-3" schedule 40 PVC barrel and a support pad utilizing 1 ton of No. 3 and No. 4 stone.
19. As-built survey of detention basin.
20. Construction of rock check dams utilizing 23 tons of No. 3 and No. 4 stone and 36 tons of Type "D" rip rap.
21. Application of 105 tons of lime.
22. Revegetation of 21 acres.
23. Surveying to reestablish park boundaries and reset disturbed property pins.
24. Soil Excavation of approximately 1 acre in preparation for tree planting.
25. Tree seedling planting shall be performed on 1 acre.

26. Construction of 400 feet of barbed wire fencing around tree planting.
27. Installation of 2 pipe gates.
28. Construction of 668 feet of woven wire fencing.

During the Maintenance Period:

29. Removal and proper disposal of temporary sediment control devices, rock check dams and accumulated sediment.
30. Revegetation of areas disturbed during the removal of the temporary sediment control devices, rock check dams and accumulated sediment.
31. Mowing and maintenance fertilizer shall be performed on 21 acres.

The following ODNR-DMRM staff is involved with this project and may be contacted with any questions or concerns.

<u>Project Officer:</u>	Todd Gleydura	330-222-1527
<u>Project Engineer:</u>	Justin E. Conkle	330-222-1527
<u>Design Engineer:</u>	John T. Kulifay	330-222-1527

**LESLIE ROAD HIGHWALL  
RECLAMATION PROJECT**

**COLUMBIANA COUNTY, OHIO  
PROJECT NUMBER CL-Mi-09**

**DIRECTIONS TO PROJECT SITE**

The Leslie Road Highwall Reclamation Project is located in the eastern portion of Columbiana County on Leslie Road in Middleton Township. The project site is located approximately 0.6 miles east of the intersection of Leslie Road and OH-7 and is adjacent to the Beaver Creek State Park Family Campgrounds located at 11652 Leslie Road, Lisbon, Ohio 44432.

**From Ashtabula and North:**

Take OH-11 S toward Youngstown. Merge onto I-80 W/OH-11 S via Exit 46B toward Girard/Cleveland. In 4.3 miles, merge onto OH-11 S via Exit 224, on the left, toward Canfield. In 33.9 miles, take the OH-267/OH-7 N exit toward Rogers. In 0.2 miles, turn left onto OH-7 N. In 3.1 miles, turn right onto Leslie Road. The project site is 0.6 miles ahead on the right.

**From East Liverpool and South:**

Take OH-11 N toward Youngstown. Take the OH-267/OH-7 N exit toward Rogers. In 0.2 miles, turn right onto OH-7 N. In 3.0 miles, turn right onto Leslie Road. The project site is 0.6 miles ahead on the right.

**From Pennsylvania and East:**

Take I-80 W entering Ohio. In 13 miles, keep left to continue on I-80 W/OH-11 S. In 4.3 miles, merge onto OH-11 S via Exit 224, on the left, toward Canfield. In 33.9 miles, take the OH-267/OH-7 N exit toward Rogers. In 0.2 miles, turn left onto OH-7 N. In 3.1 miles, turn right onto Leslie Road. The project site is 0.6 miles ahead on the right.

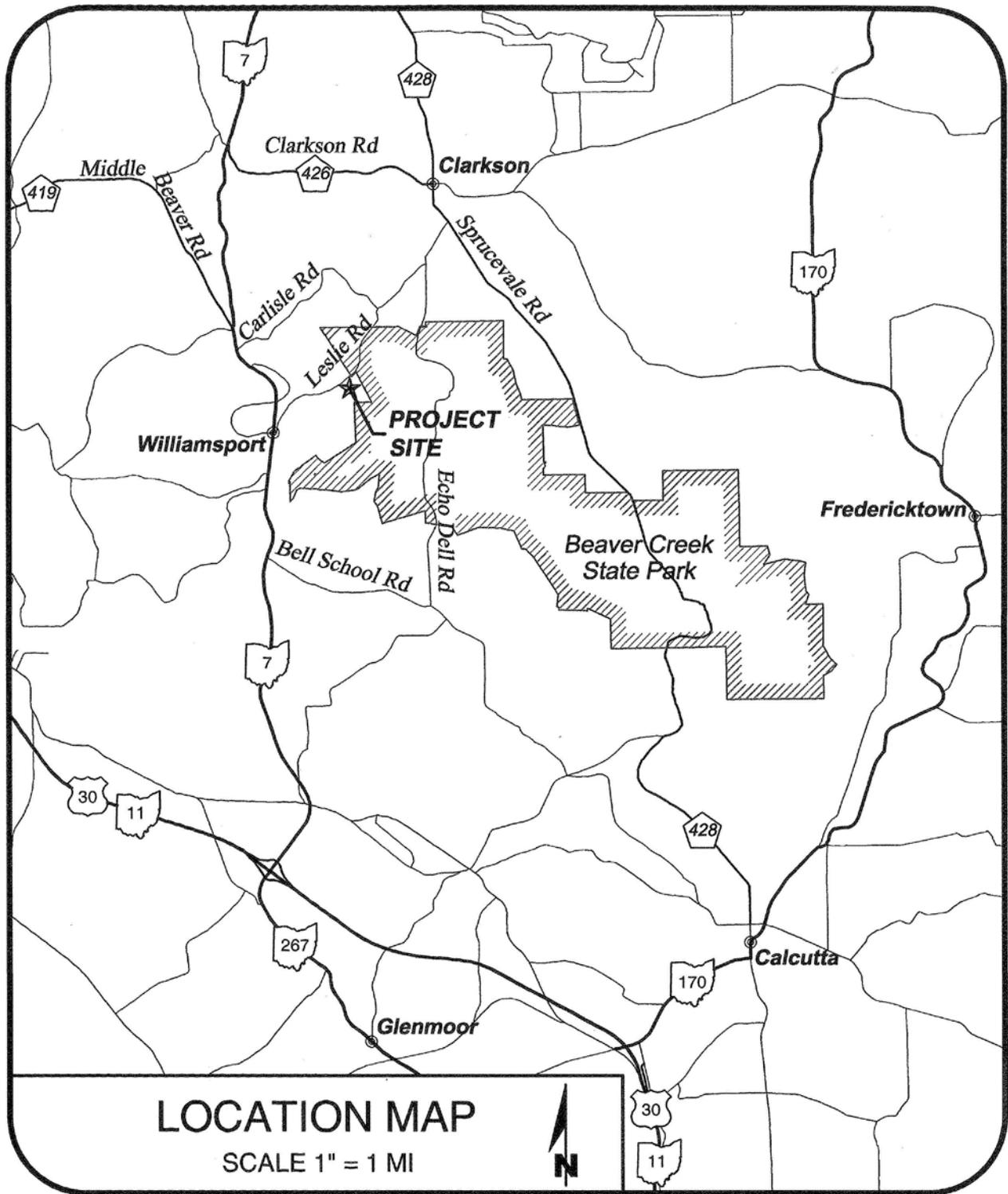
**From the Pittsburgh Area:**

Take I-376 W toward Ft Pitt Bridge/Airport. Take the US-30 exit, Exit 52, toward Clinton. In 0.3 miles, turn left onto SR 3089/Clinton Road. In 1.1 miles, turn right onto US-30 W. Continue to follow US-30 W for 26.8 miles, passing through West Virginia then crossing into Ohio. US-30 W, OH-11 N and OH-7 N merge together on the west side of East Liverpool. Continue on US-30 W/OH-11 N/OH-7 N. Take the OH-267/OH-7 N exit toward Rogers. In 0.2 miles, turn right onto OH-7 N. In 3.0 miles, turn right onto Leslie Road. The project site is 0.6 miles ahead on the right.

**From Canton and West:**

Take US-30 E toward East Canton. Take the Trump Ave N exit on the left. In 0.6 mile, merge onto US-30 E/Trump Ave. In 0.4 mile, turn right onto OH-172 E/ US-30 E /Lincoln Street E. Stay on OH-172 E for 28.7 miles before turning slight left onto US-30 E. In 2.5 miles, stay straight to go onto OH-154/E Lincoln Way and continue to follow OH-154. In 1.6 miles, merge onto OH-11 S. In 7.9 miles, take the OH-267/OH-7 N exit toward Rogers. In 0.2 miles, turn left onto OH-7 N. In 3.1 miles, turn right onto Leslie Road. The project site is 0.6 miles ahead on the right.

**REFER TO THE FOLLOWING PAGE FOR THE LOCATION MAP**



Latitude: 40.728625, Longitude: -80.625025