



2022 WVDEP AML Contract 7 Projects - North CEOI DEP22*16



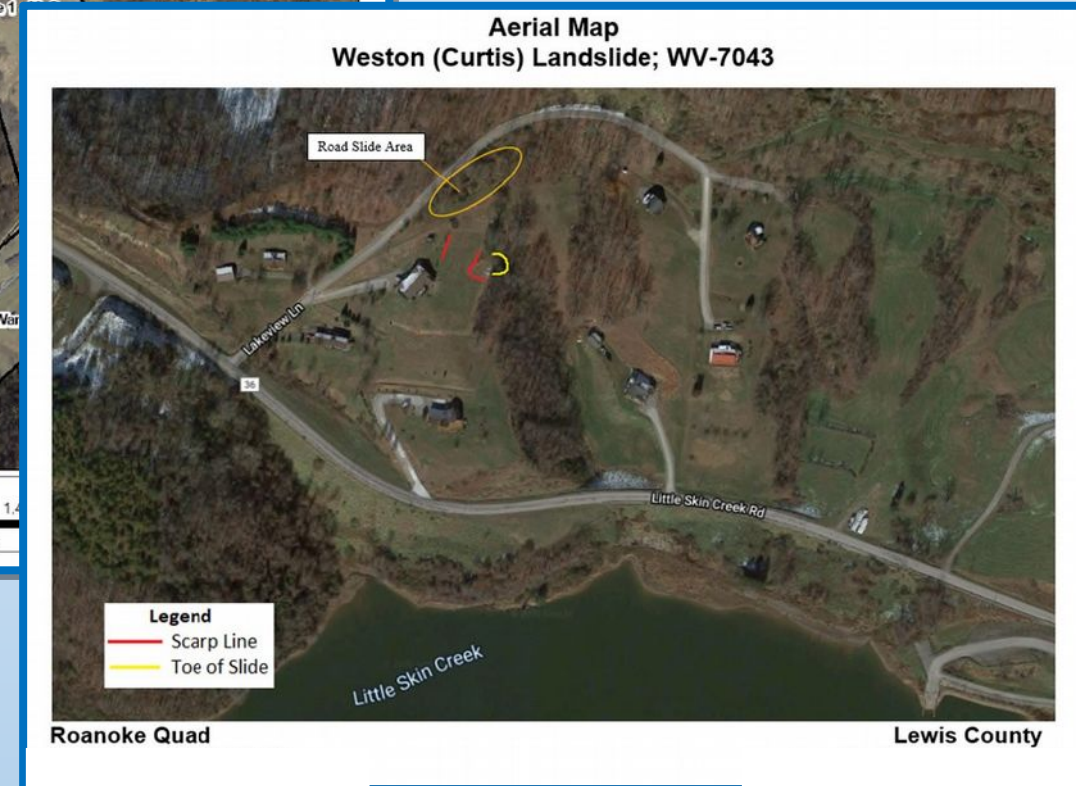
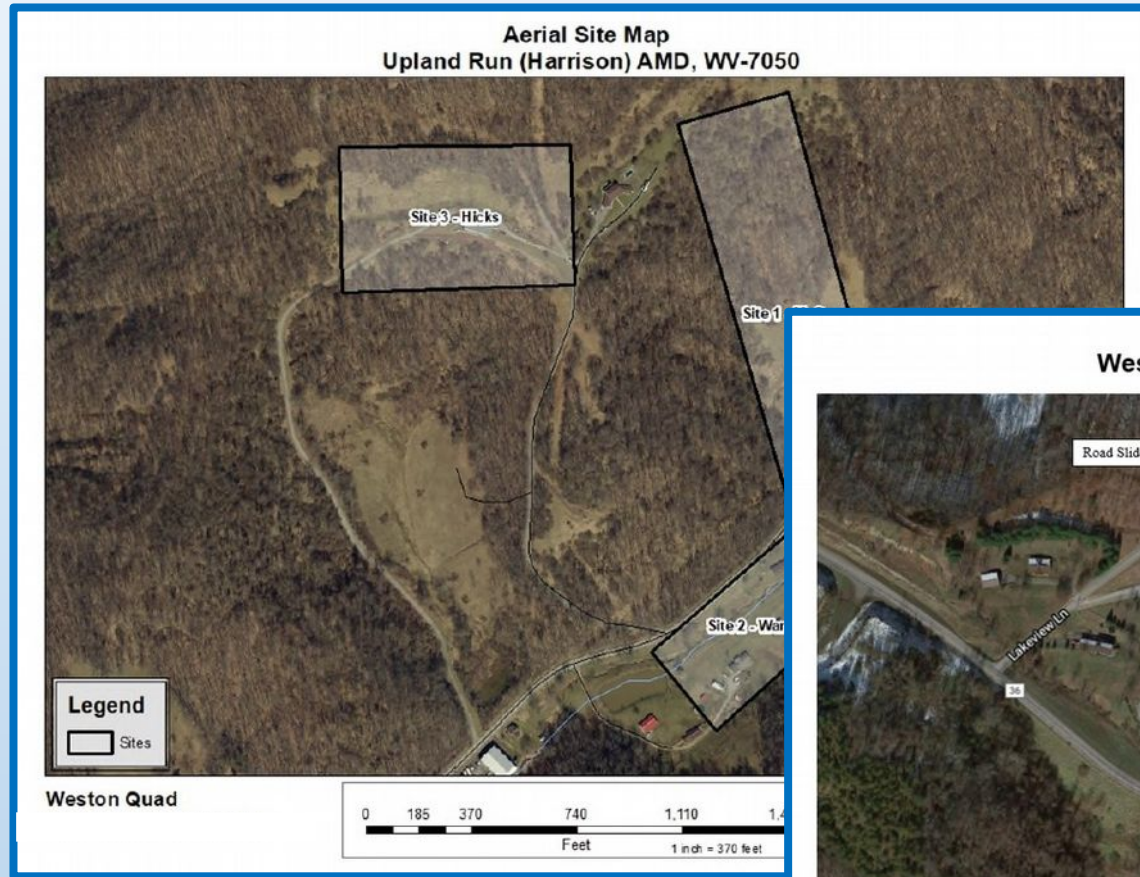
Dieffenbach & Hritz

Contract 7 Projects - North:

1. Weston (Curtis)
Landslide
2. Upland Run (Harrison)
AMD

Prepared for:

West Virginia Department
of Environmental
Protection
Division of Land
Restoration
Abandoned Mine Lands
and Reclamation





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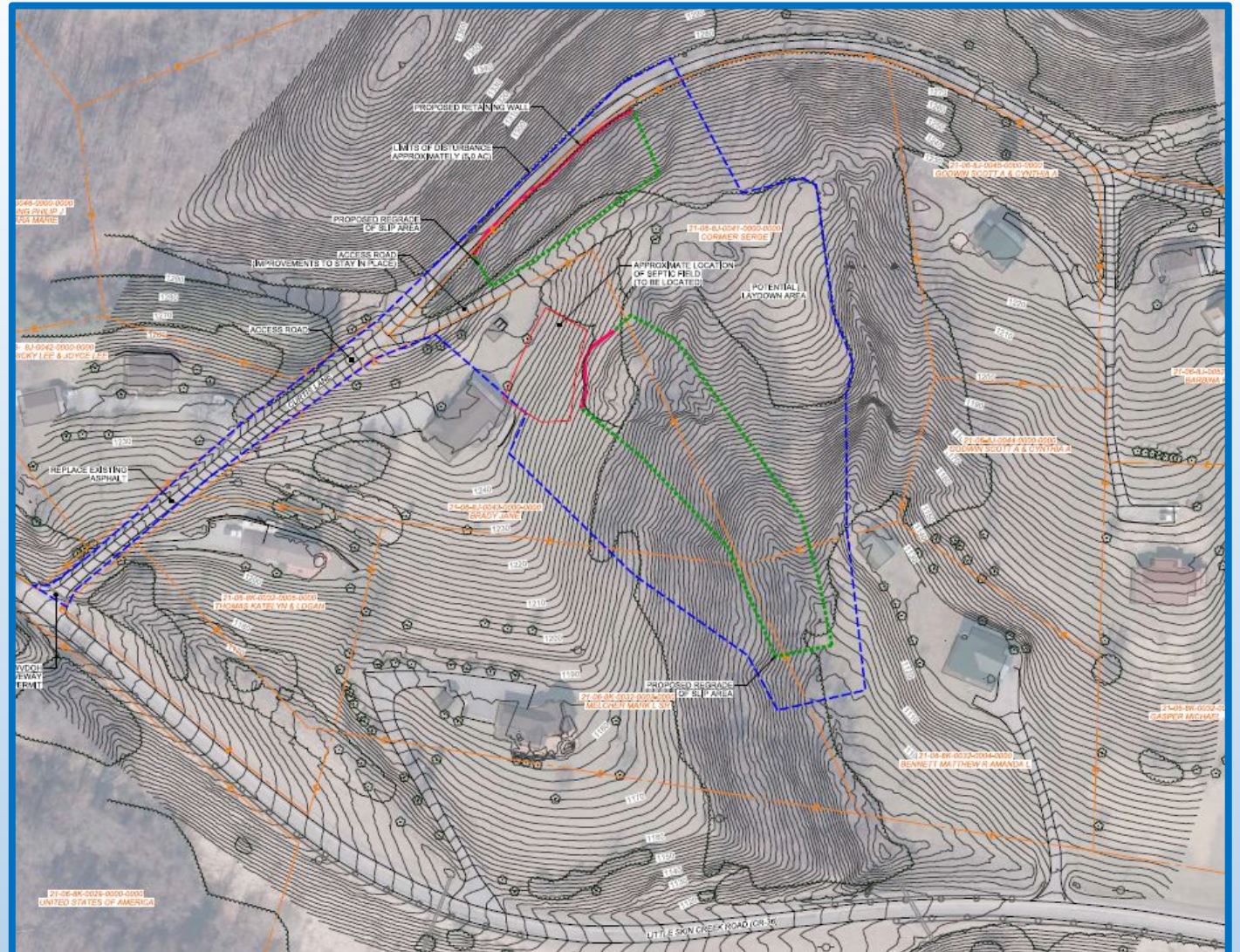


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Project 1:

Weston (Curtis) Landslide

- Located in Lewis Co, Southeast of the City of Weston
- Project Details:
 - 3 slip areas requiring stabilization
 - Road Stabilization
 - Installation, repair and/or replacement various drainage controls and features.





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Reclamation Plan:

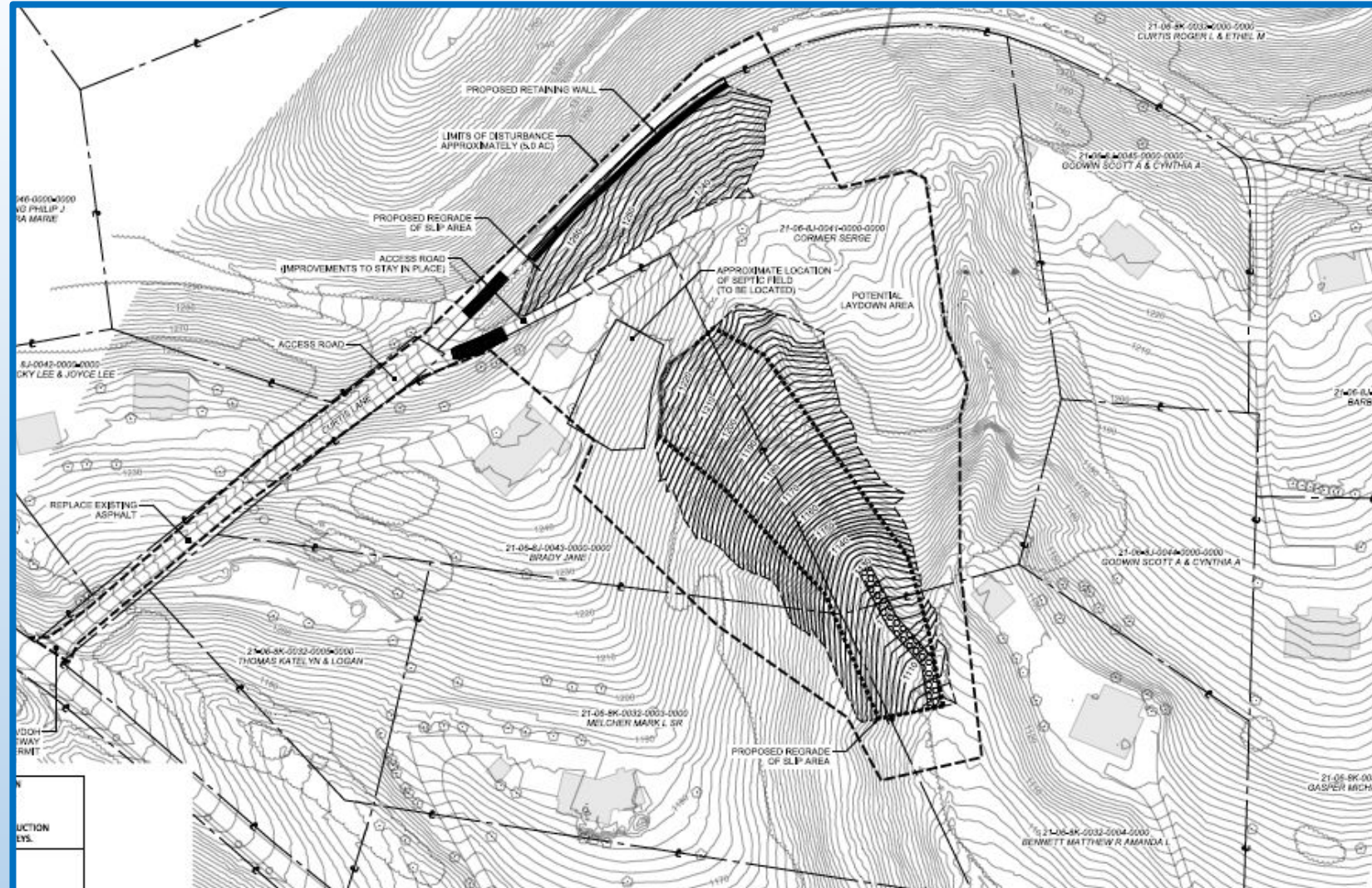
Weston (Curtis) Landslide

Lower Slips:

- Clear and grub Install E&S/BMP controls
- Install drainage ditches per plan
- Unload the slip area to competent material, install underdrains and regrade to specifications

Access Road Slip:

- The access road to remain open
- Clear and grub Install E&S/BMP controls
- Install drainage improvements per plan
- Unload the slip areas to





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Estimated Quantities:

Weston (Curtis) Landslide

- 1,000 LF of vee ditch
- 25,000 CY of regraded slip material
- 250 LF of retaining wall
- 5.0 acres of revegetation
- 450' LF of repaved access road
- 500' LF of restored gravel access road

Estimated Schedule:

Weston (Curtis) Landslide

- Key Dates:
 - Kick off Meeting W/ DEP 7-26-2023
 - Field Studies 9/01/23 - 10/31/2023
 - 30% PS&E Approved
 - 60% PS&E Scheduled December 2023
 - 90% PS&E Scheduled 2/27/2024
 - Permit Review & Approval Scheduled 3/1/24 - 09/09/2024
 - Bid Package issued 10/31/2024
 - Winter tree clearing restrictions apply (November 15th - March 31st)



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Project 2:

Upland Run (Harrison) AMD

- Located in Lewis Co, East of the City of Weston
- Project Details:
 - Deteriorating drainage system with sediment transport
 - Flooding issues affecting structures
 - Flooding issues at State Road
 - Installation, repair and/or replacement various drainage systems and features.
 - 5 slip areas requiring stabilization





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Reclamation Plan:

Upland Run (Harrison) AMD

Area A:

- Clear and grub Install E&S/BMP controls
- Drainage improvements to approximately 3,000 LF of armored channel.
- Installation of various drainage and grading improvements to alleviate drainage issues on property.
- Drainage improvements to approximately 1,000 LF of open channel (Vegetated)
- Installation of new culvert system at State Road crossing (approximately 300')
- Regrade and revegetation of site.





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Reclamation Plan:

Upland Run (Harrison) AMD

Area B:

- Clear and grub Install E&S/BMP controls
- Install drainage ditches, stormsewer system and culverts per plan
- Unload the slip areas to competent material, install underdrains and toe keys as required, regrade to specifications.
- Regrade access road for drainage improvements
- Revegetate disturbed area





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Estimated Quantities:

Upland Run (Harrison) AMD

- 550' HDPE culvert pipe (30") with headwalls
- 350' HDPE culvert pipe
- 700' Storm Drainage System
- 2000' of vee ditch
- 5000' Armored trapezoidal channel
- 600' Highwall Regrade
- 10,000 CY of regraded slip material
- 15.0 acres of Revegetation
- 3,000' of restored gravel access road

Estimated Schedule:

Weston (Curtis) Landslide

- Key Dates:
 - Kick off Meeting W/ DEP July 26th 2023
 - Field Studies August - October 2023
 - 30% PS&E Approved
 - Revised 30% (Expanded Scope) Approved 11-27-23
 - 60% PS&E Scheduled February 2024
 - 90% PS&E Schedule April 2024
 - Final PS&E Scheduled May 2024
 - Permit Review & Approval Schedule:
June 2024 - December 2024
 - Bid Package issued February 2025
 - Winter tree clearing restrictions apply: November 15th - March 31st



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