



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



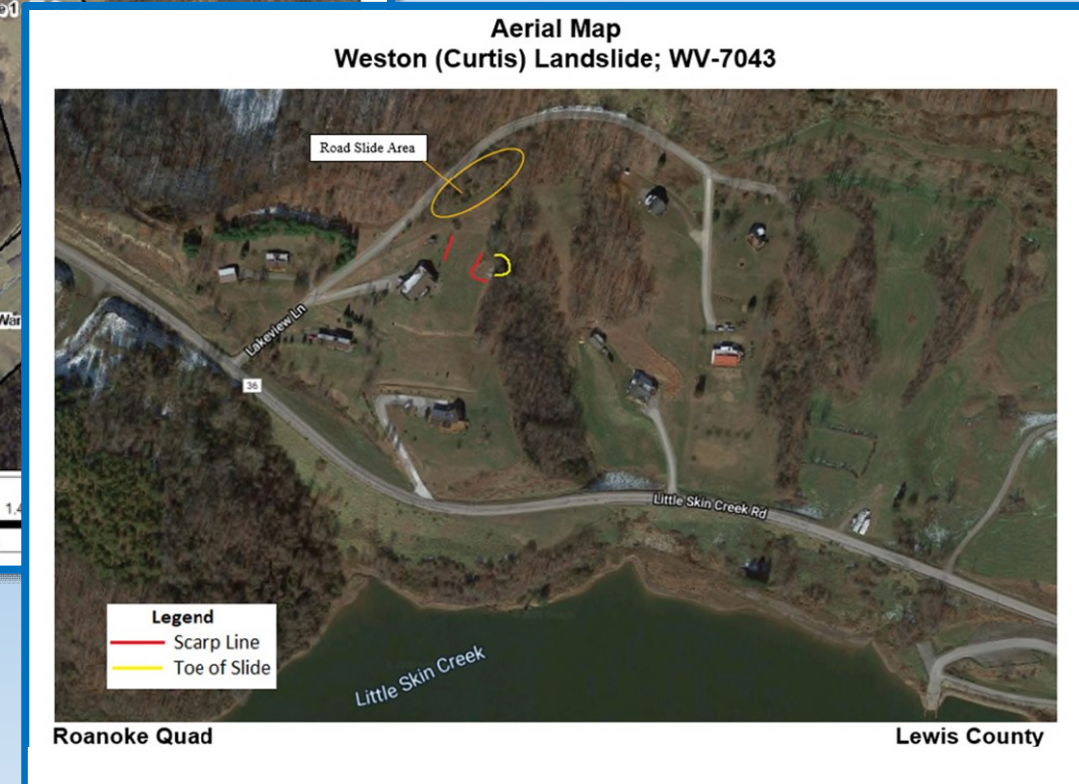
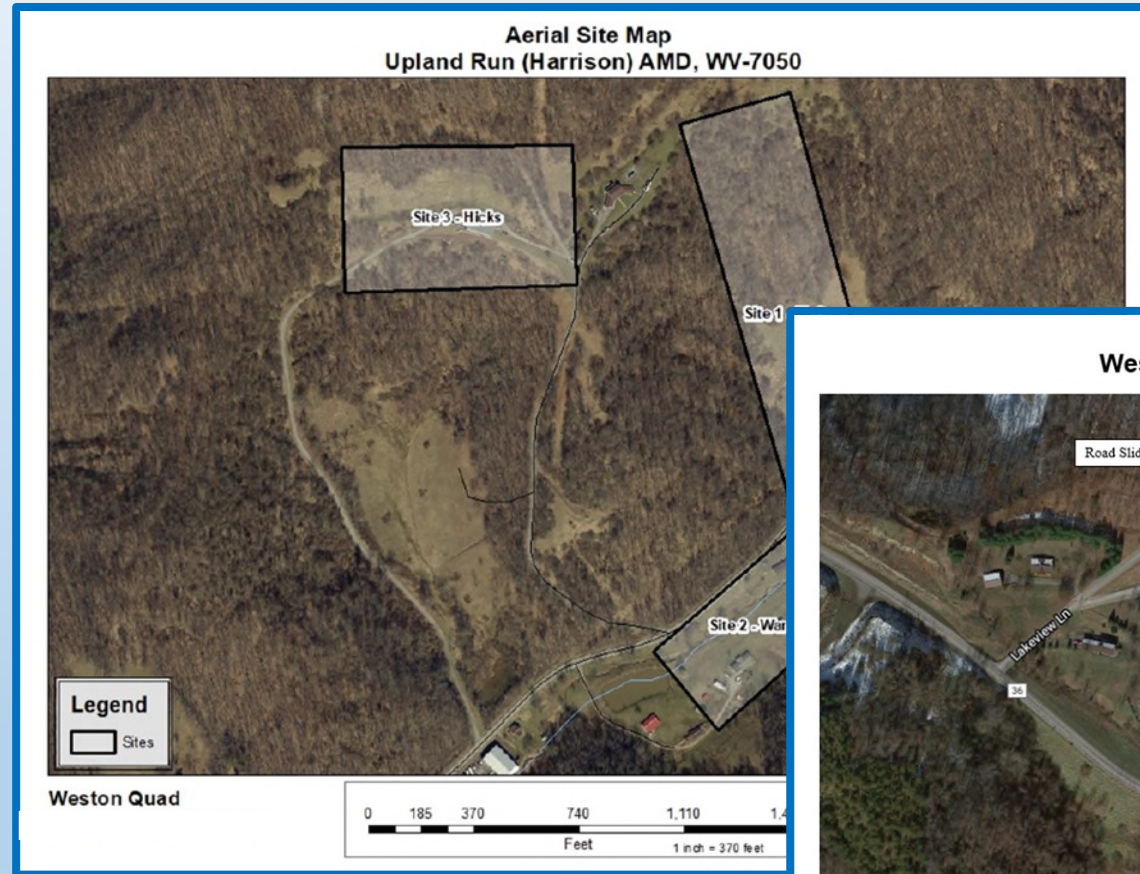
Dieffenbach & Hritz

Contract 7 Projects - North:

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

Prepared for:

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





Weston (Curtis) Landslide

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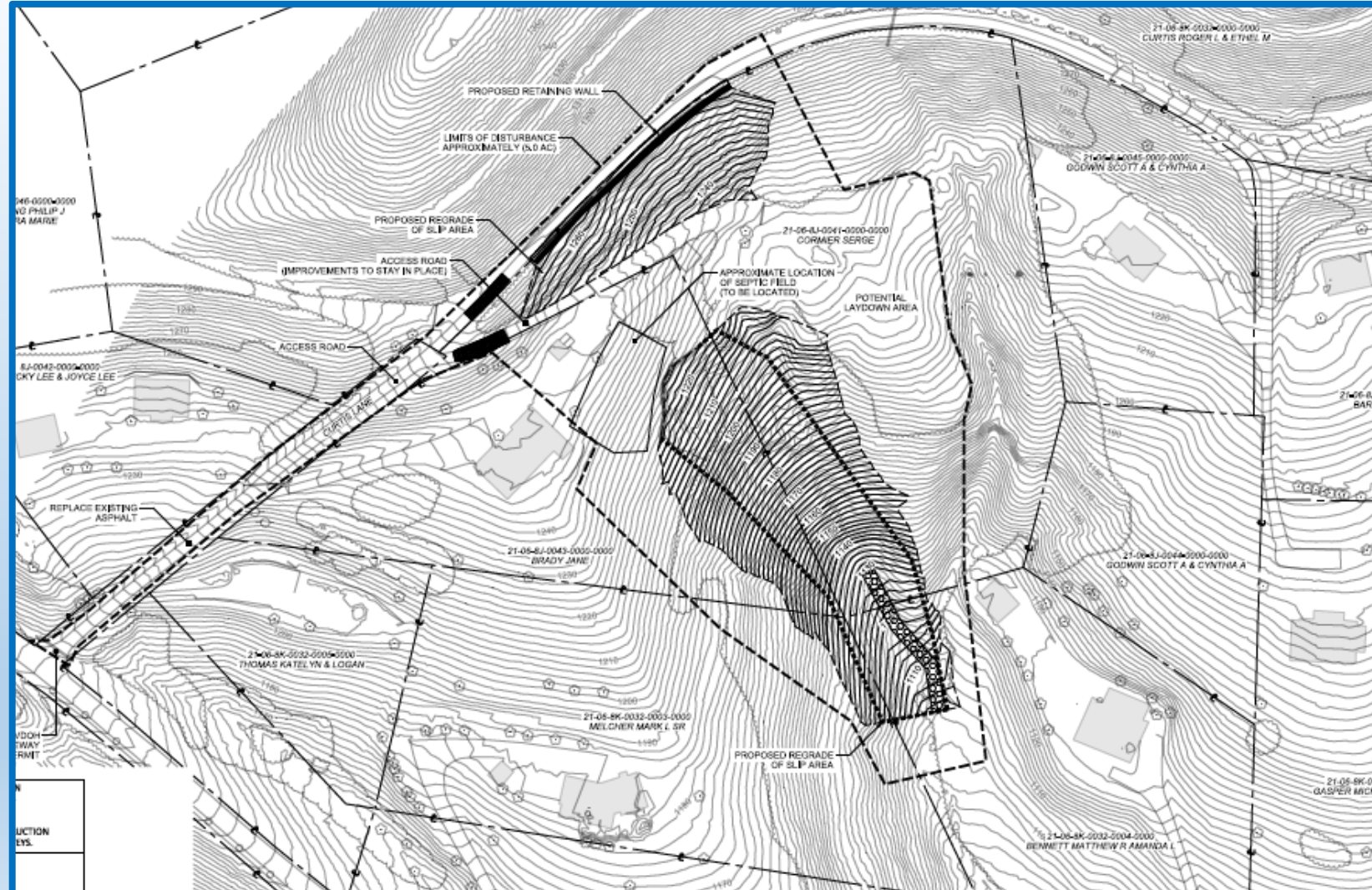
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Project 1:

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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Preliminary Estimated Quantities:

Weston (Curtis) Landslide

- 600 LF of vee ditch
- 35,000 CY of regraded slip material
- 250 LF of retaining wall
- 5.0 acers of revegetation
- 450' LF of repaved access road
- 500' LF of restored gravel access road





Upland Run (Harrison) AMD and Drainage

- [illegible]



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Project 2:

Upland Run (Harrison) AMD
and Drainage
Area A





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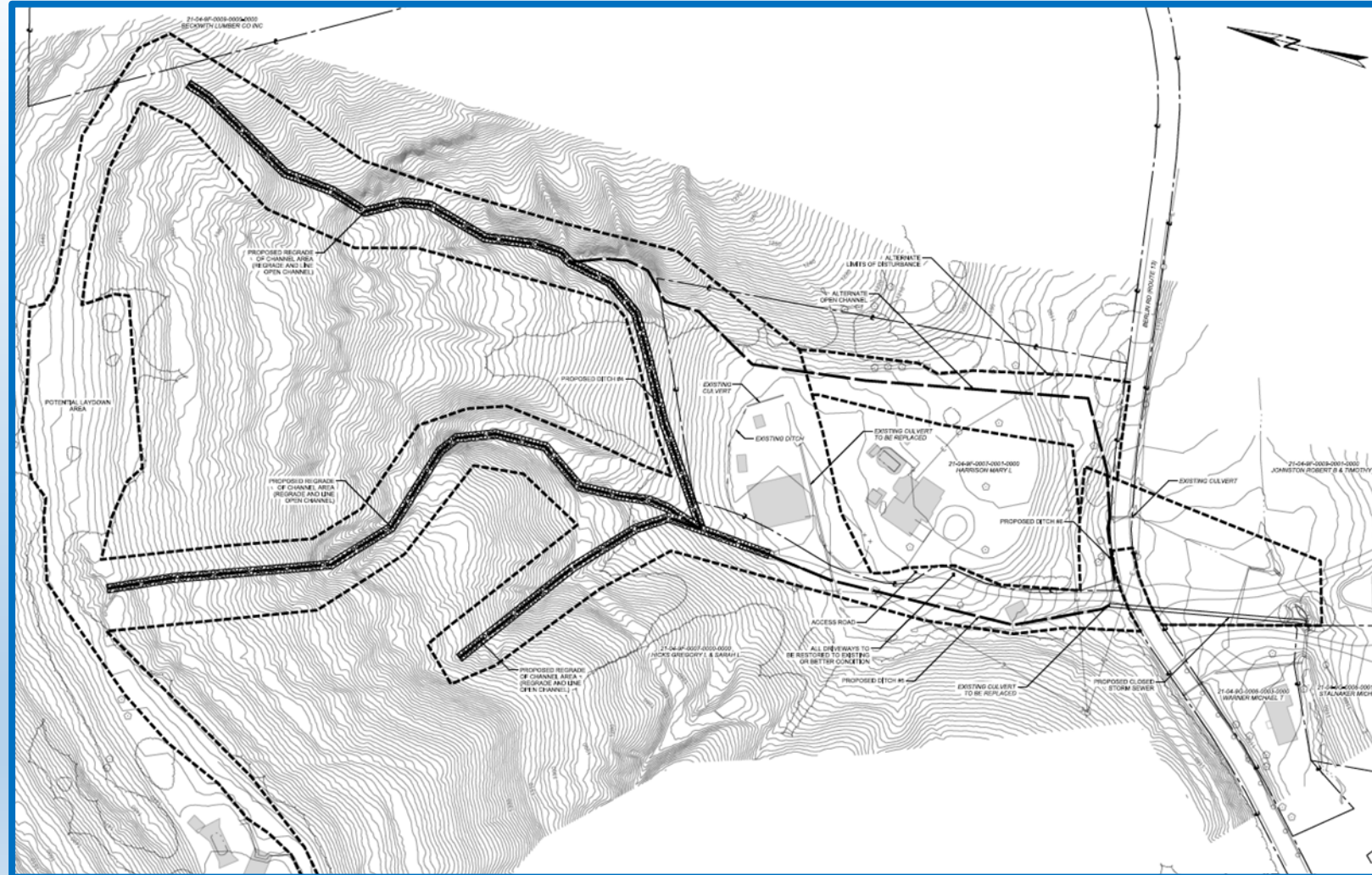


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Tentative Reclamation Plan:

Upland Run (Harrison) AMD and Drainage
Area A:

- Clear and grub Install E&S/BMP controls
- Drainage improvements to approximately 3,000 LF of channel consisting of large rip-rap, grouted rip-rap or fabiform style lining TBD with final design.
- Installation of underdrains for AMD sump areas
- 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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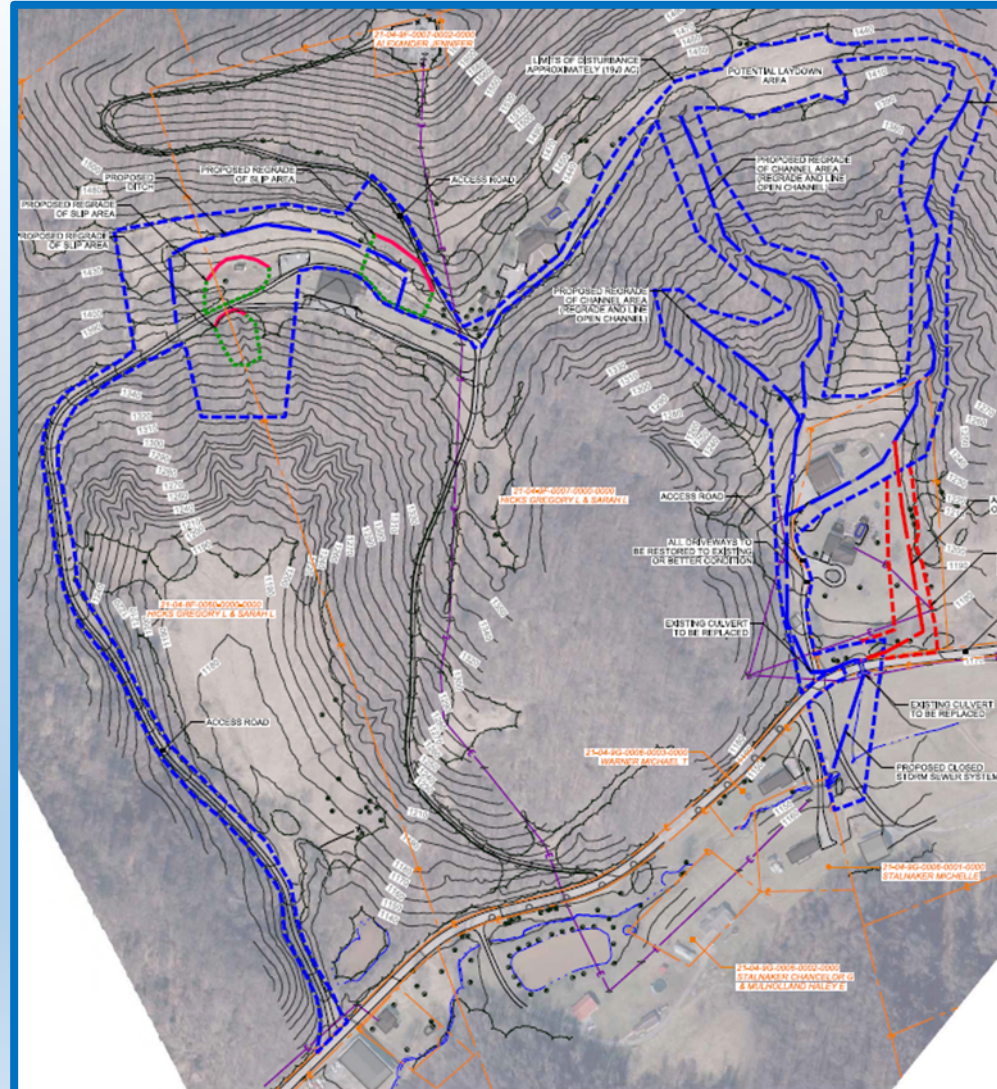


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Project 2:

Upland Run (Harrison) AMD and Drainage

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





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Project 2:

Upland Run (Harrison) AMD and Drainage
Area B





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Tentative Reclamation Plan:

Upland Run (Harrison) AMD and Drainage
Area B:

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





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Preliminary Estimated Quantities:

Upland Run (Harrison) AMD and Drainage

- 550' HDPE culvert pipe (30") with headwalls
- 200' HDPE culvert pipe (18")
- 2000' of vee ditch
- 3000' Armored trapezoidal channel
- 50,000 CY of regraded slip material
- 15.0 acers of Revegetation
- 3,000' of restored gravel access road





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