STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF ABANDONED MINE LANDS
CHARLESTON, WEST VIRGINIA
EARL RAY TOMBLIN, GOVERNOR
RANDY C. HUFFMAN, CABINET SECRETARY

CRANY MINE DUMP
WYOMING COUNTY, WEST VIRGINIA

DRAWING INDEX

LOCATION MAP
U.S.G.S. 7.5' QUADRANGLE MATHENY & PILOT KNOB WEST VIRGINIA
SCALE 1" = 4000'

VICINITY MAP
WYOMING COUNTY HIGHWAY MAP
SCALE 1" = 1 MILES
1. Contours shown on this drawing represent the final grade. In areas where excavation and fill result in exposure of coal refuse, the final grade represents the surface of a required 12-inch soil cover layer. In these areas, excavation will require over-extraction 12 inches below final grade to accommodate the 12-inch soil cover layer. Where coal refuse is placed as fill, the fill elevation will be brought to 1 foot below final grade to accommodate the 12-inch soil cover layer.

2. Contractor shall construct sediment basins, spillways, and channels from station 0+00 to station 3+00 prior to regrading coal refuse. The sediment basin shall be maintained during construction.

3. Contractor shall use caution when working around gas pipelines, wells, compressor station, and related facilities. Contractor shall maintain access to compressor station, tanks, wells, and meters.

4. Energvest Operating LLC indicated that the contractor may construct channels under steel gas lines with the gas line spanning the completed channel. Contractor shall coordinate construction of the reclamation plan with Energvest.

5. The grading plan was developed assuming a 25 percent shrink factor for excavated coal refuse placed as compacted fill. The contractor may be required to adjust final grades and elevations with prior approval of WVDEP in the event that a different shrink factor results. Adjustments will be best made in the area east of baseline A between stations 7+50 and 11+00.

6. It is likely that groundwater seeps will be encountered during regrading of the refuse pile. The contractor shall consult WVDEP when seeps are encountered for direction as to construction of underdrains.

7. Erosion control matting will be placed on benches as shown by the details.

8. Contractor can excavate soil for use as the 12-inch soil cover layer from areas along channels 1 and 2 prior to regrading or filling with coal refuse. Excavated soil will not be considered or included in the final grading.

GENERAL NOTES:

1. Exposure shown on this drawing represents the final grade. In areas where excavation and fill result in exposure of coal refuse, the final grade represents the surface of a required 12-inch soil cover layer. In these areas, excavation will require over-extraction 12 inches below final grade to accommodate the 12-inch soil cover layer. Where coal refuse is placed as fill, the fill elevation will be brought to 1 foot below final grade to accommodate the 12-inch soil cover layer.

2. Contractor shall construct sediment basins, spillways, and channels from station 0+00 to station 3+00 prior to regrading coal refuse. The sediment basin shall be maintained during construction.

3. Contractor shall use caution when working around gas pipelines, wells, compressor station, and related facilities. Contractor shall maintain access to compressor station, tanks, wells, and meters.

4. Energvest Operating LLC indicated that the contractor may construct channels under steel gas lines with the gas line spanning the completed channel. Contractor shall coordinate construction of the reclamation plan with Energvest.

5. The grading plan was developed assuming a 25 percent shrink factor for excavated coal refuse placed as compacted fill. The contractor may be required to adjust final grades and elevations with prior approval of WVDEP in the event that a different shrink factor results. Adjustments will be best made in the area east of baseline A between stations 7+50 and 11+00.

6. It is likely that groundwater seeps will be encountered during regrading of the refuse pile. The contractor shall consult WVDEP when seeps are encountered for direction as to construction of underdrains.

7. Erosion control matting will be placed on benches as shown by the details.

8. Contractor can excavate soil for use as the 12-inch soil cover layer from areas along channels 1 and 2 prior to regrading or filling with coal refuse. Excavated soil will not be considered or included in the final grading.
1. Contours shown on this drawing represent the final grade. In areas where excavation and fill results in exposure of coal refuse, the final grade represents the surface of a required 12-inch soil cover layer. In these areas, excavation will be performed to a depth of 12 inches below the final grade to accommodate the 12-inch soil cover layer. Where final grade is placed on fill, the fill elevation will be reduced by 12 inches to accommodate the 12-inch soil cover layer.

2. Contractor shall construct sediment basins, spillways, and channels from station 0+00 to station 3+00 prior to regrading coal refuse. The sediment basin shall be maintained during construction.

3. Contractor shall use caution when working around gas pipelines, wells, compressor station, and related facilities. Contractor shall maintain access to compressor station, tanks, wells, and meters.

4. Energyvest Operating LLC indicated that the contractor may construct channels under steel gas lines with the gas line spanning the completed channel. Contractor shall coordinate construction of the reclamation plan with Energyvest.

5. Top surface of the coal refuse pile shall be covered with 12-inch soil cover layer within the limits shown on the drawings.

6. The grading plan was developed assuming a 25 percent shrink factor for excavated coal refuse placed as compacted fill. The contractor may be required to adjust final grades and elevations upon approval of West Virginia Department of Environmental Protection (WVDEP) in the event that a different shrink factor results. Adjustments will be best made in the area east of baseline A between stations 7+50 and 11+00.

7. It is likely that groundwater seeps will be encountered during regrading of the refuse pile. The contractor shall consult WVDEP when seeps are encountered for direction as to construction of underdrains.

8. Erosion control matting will be placed on benches as shown by the details.

8.1 Contractor can excavate soil for use as the 12-inch soil cover layer from areas along channels 1 and 2 prior to regrading or filling with coal refuse. Excavated soil will not be considered or included in the items for payment set forth in the General Notes.
1. Contours shown on this drawing represent the final grade. In areas where excavation and fill result in exposure of coal refuse, the final grade represents the surface of a required 12-inch soil cover layer. In these areas, excavation will require over-excavation 12 inches below final grade to accommodate the 12-inch soil cover layer. Where coal refuse is placed as fill, the fill elevation will be brought to 1 foot below final grade to accommodate the 12-inch soil cover layer.

2. Contractor shall construct sediment basin, spillways, and channel 1 from station 0+00 to station 3+00 prior to regrading coal refuse. The sediment basin shall be maintained during construction.

3. Contractor shall use caution when working around gas pipelines, wells, compressor stations, and related facilities. Contractor shall maintain access to compressor station, tanks, wells, and meters. Enervest Operating LLC indicated that the contractor may construct channels under steel gas lines with the gas line spanning the completed channel. Contractor shall coordinate construction of the reclamation plan with Enervest.

4. Top surface of the coal refuse pile shall be covered with 12-inch soil cover layer within the limits shown on the drawings.

5. The grading plan was developed assuming a 25 percent shrink factor for excavated coal refuse placed as compacted fill. The contractor may be required to adjust final grades and elevations with prior approval of WVDEP in the event that a different shrink factor results. Adjustments will be best made in the area east of baseline A between stations 7+50 and 11+00.

6. It is likely that groundwater seeps will be encountered during regrading of the refuse pile. The contractor shall consult WVDEP when seeps are encountered for direction as to construction of underdrains.

7. Erosion control matting will be placed on benches as shown by the details.

8. Contractor can excavate soil for use as the 12-inch soil cover layer from areas along channels 1 and 2 prior to regrading or filling with coal refuse. Excavated soil will not be considered or included in the item 8.1 unclassified excavation pay item.
1. Contours shown on this drawing represent the final grade. In areas where excavation and fill result in exposure of coal refuse, the final grade represents the surface of a required 12-inch soil cover layer. In these areas, excavation will require over-excavation 12 inches below final grade to accommodate the 12-inch soil cover layer. Where coal refuse is placed as fill, the fill elevation will be brought to 1 foot below final grade to accommodate the 12-inch soil cover layer.

2. Contractor shall construct sediment basin, spillways, and channel 1 from station 0+00 to station 3+00 prior to regrading coal refuse. The sediment basin shall be maintained during construction.

3. Contractor shall use caution when working around gas pipelines, wells, compressor station and related facilities. Contractor shall maintain access to compressor station, tanks, wells, and meters. ENERVEST OPERATING LLC indicated that the contractor may construct channels under steel gas lines with the gas line spanning the completed channel. Contractor shall coordinate construction of the reclamation plan with ENERVEST.

4. Top surface of the coal refuse pile shall be covered with 12-inch soil cover layer within the limits shown on the drawings.

5. The grading plan was developed assuming a 25 percent shrink factor for excavated coal refuse placed as compacted fill. The contractor may be required to adjust final grades and elevations with prior approval of WVDEP in the event that a different shrink factor results. Adjustments will be best made in the area east of baseline A between stations 7+50 and 11+00.

6. It is likely that groundwater seeps will be encountered during regrading of the refuse pile. The contractor shall consult WVDEP when seeps are encountered for direction as to construction of underdrains.

7. Erosion control matting will be placed on benches as shown by the details.

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3. Contractor shall use caution when working around gas pipelines, wells, compressor station, and related facilities. Contractor shall maintain access to compressor station, tanks, wells, and meters. Enervest Operating LLC indicated that the contractor may construct channels under steel gas lines with gas line spanning the completed channel. Contractor shall coordinate construction of the reclamation plan with Enervest.

4. Top surface of the coal refuse pile shall be covered with 12-inch soil cover layer within the limits shown on the drawings.

5. The grading plan was developed assuming a 25 percent shrink factor for excavated coal refuse placed as compacted fill. The contractor may be required to adjust final grades and elevations subsequent approval of WVDEP in the event that a different shrink factor results. Adjustments will be best made in the area east of baseline A between stations 7+50 and 11+00.

6. It is likely that groundwater seeps will be encountered during regrading of the refuse pile. Contractor shall consult WVDEP when seeps are encountered for direction as to construction of underdrains.

7. Erosion control matting will be placed on benches as shown by the details.

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