



- Legend**
- Existing Index Contour (C.I.=10')
 - Existing Intermediate Contour (C.I.=2')
 - Existing Waterway
 - Existing Sewer Line (Approximate)
 - Soil Test Pit Location
 - Existing Utility Pole
 - Survey Control Point (4)
 - Proposed Index Contour
 - Proposed Intermediate Contour (Even)
 - Proposed Intermediate Contour (Odd)
 - A-A' Section Line
 - Proposed Limit of Earth Disturbance
 - Proposed Sediment Logs
 - Proposed Pipe
 - Proposed Top of Berm
 - Proposed Road Improvement
 - Proposed Riprap Placement

Control Points			
	Northing (feet)	Easting (feet)	Elevation (feet)
North Manhole	8192.03	6575.39	986.80
South Manhole	7936.26	6689.45	988.57
Control Pin	8588.05	7063.06	984.65
Inv. 6"Ø PVC Pipe	Vertical Control Only		984.65

Pond Elevations				
	Water Surface Area (S.F)	Top Berm Elev.	Water Elev.	Bottom Elev.
Pond 1	19,800	989.0	987.0	983.0
Pond 2	19,534	989.0	987.0	983.0
Pond 3	22,555	989.0	986.0	982.0
Constructed Wetland	100,429 (88,251 planted)	986.0	984.0	983.5 (980.0 ponded)
Sludge Basin	76'X174' on bottom	989.0	N/A	984.0

Transfer Troughs				
Set of Troughs	Inlet Elev.	Outlet Elev.	Piling Length (ft.)	Piling Count
Pond 1 to Pond 3	987.0	986.5	19.0	5
Pond 2 to Pond 3	987.0	986.5	19.0	5
Pond 3 to Constructed Wetland	986.0	985.5	21.0	7

Site Grading Estimate*			
Area	Cut (C.Y.)	Fill (C.Y.)	Net (C.Y.)
Treatment System	19,009	5,515	13,494
Sludge Basin	1,953	771	1,182
TOTAL	20,962	6,286	14,676

*Cut and fill volumes are calculated by the two surface volume method. No swell factor was used.

Upper Latrobe AMD Treatment Project

Site Plan and E&S Control Plan
SHEET NO. 2 OF 4

Drawn By: NAW

Checked By: JAW

Scale: As Shown

Westmoreland

County

Unity Township

Municipality

195 Castle Shannon Blvd.
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No.:

Date:

Description:

By: