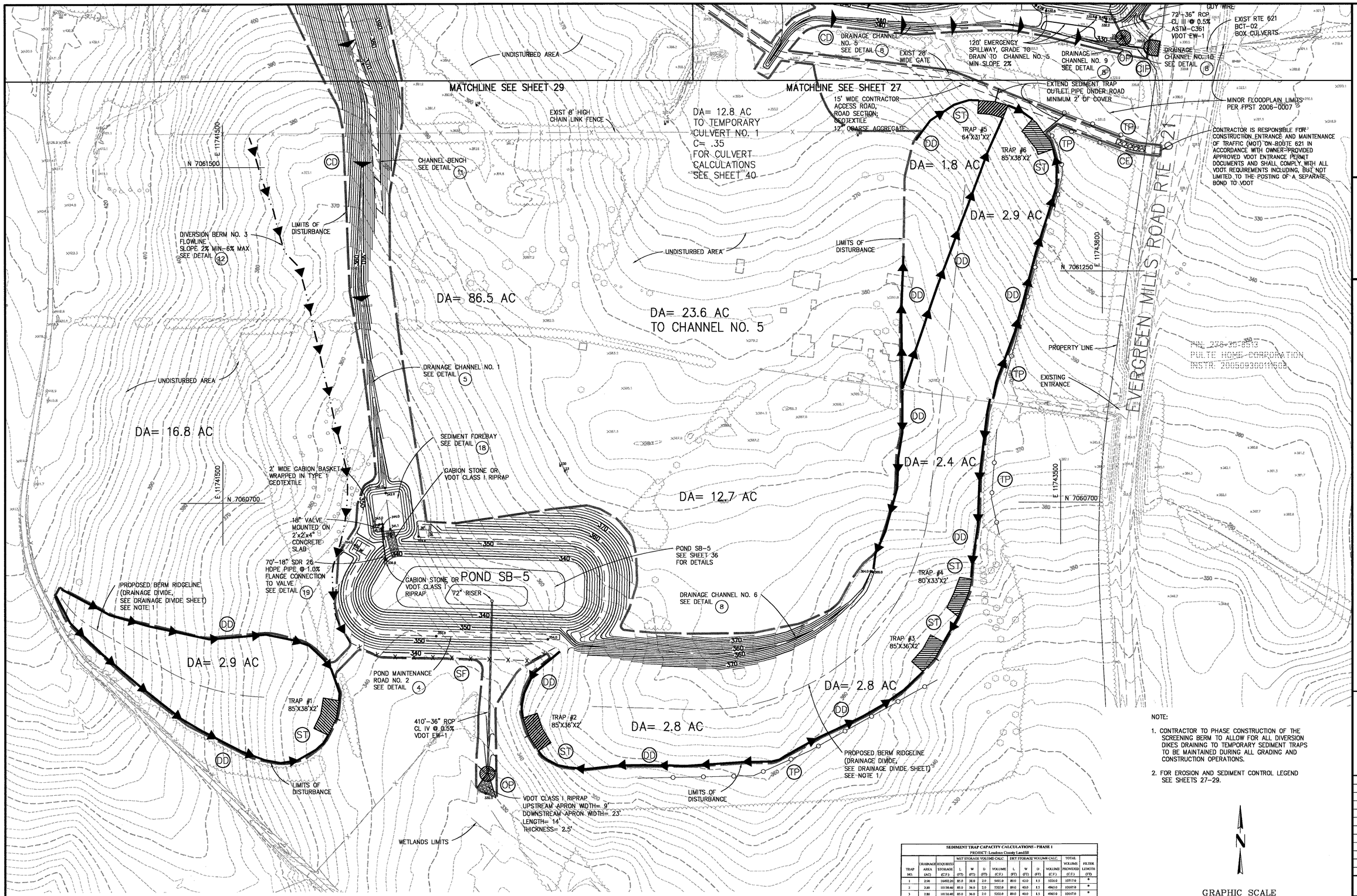

THIS SHEET FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY!!

SEDIMENT TRAP CAPACITY CALCULATIONS - PHASE 1
PROJECT: Loudoun County Landfill

TRAP NO.	DRAINAGE AREA (AC)	REQUIRED STORAGE (C.F.)	WET STORAGE VOLUME CALC. L (FT)	W (FT)	D (FT)	VOLUME (C.F.)	DRY STORAGE VOLUME CALC. L (FT)	W (FT)	D (FT)	VOLUME (C.F.)	TOTAL VOLUME PROVIDED (C.F.)	FILTER LENGTH (FT)
1	2.90	10402.20	85.0	38.0	2.0	5491.0	89.0	42.0	1.5	5226.0	10717.0	*
2	2.80	10130.40	85.0	36.0	2.0	5202.0	89.0	40.0	1.5	4965.0	10167.0	*
3	2.80	10130.40	85.0	36.0	2.0	5202.0	89.0	40.0	1.5	4965.0	10167.0	*
4	2.40	8683.20	80.0	33.0	2.0	4488.0	84.0	37.0	1.5	4311.0	8799.0	*
5	1.80	6512.40	64.0	31.0	2.0	3372.8	68.0	35.0	1.5	3273.0	6645.8	*
6	2.90	10402.20	85.0	38.0	2.0	5491.0	89.0	42.0	1.5	5226.0	10717.0	*

* PIPE OUTLET REQUIRED

NOTE:

1. CONTRACTOR TO PHASE CONSTRUCTION OF THE SCREENING BERM TO ALLOW FOR ALL DIVERSION DIKES DRAINING TO TEMPORARY SEDIMENT TRAPS TO BE MAINTAINED DURING ALL GRADING AND CONSTRUCTION OPERATIONS.
2. FOR EROSION AND SEDIMENT CONTROL LEGEND SEE SHEETS 27-29.

N

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

SWS
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EROSION AND SEDIMENT CONTROL PLAN PHASE 1

WOODS ROAD DISPOSAL UNIT PRIMARY INFRASTRUCTURE

LOUDOUN COUNTY, VIRGINIA

PLAN STATUS	
DATE	DESCRIPTION

GA DESIGN	GA DRAWN	FA CHKD
SCALE H: 1"= 100' V:		
DATE 01/22/08		

SHEET 30 OF 40