

November 15, 2002

██████████
New York State DEC – Albany
Div. of Solid & Hazardous Materials
Bureau of Radiation/Haz. Site Management
50 Wolf Road Room 402
Albany, NY 12233

Re: Am-241 Area Cover
Town of Tonawanda Landfill, Tonawanda, NY
EnSol, Inc. Project Number: 00-0035

Dear ██████████:

Attached per our conference call is the method that will be used to adequately cover the three Am-241 areas located at the Town of Tonawanda Landfill, Tonawanda, NY.

As proposed in the ***Operations and Maintenance Manual Alternate Grading Material (AGM) Delivery and Placement Town of Tonawanda Landfill*** a minimum of 3-ft of AGM fill will be placed over the Am-241 areas (A, B, and C) prior to bringing the remainder of the landfill to grade. In order to meet the minimum 3-ft AGM fill and slope requirements over the Am-241 material, the proposed final contour grades had to be adjusted to provide the appropriate fill. In addition, a final cap will be placed at a minimum of 3-ft over the entire landfill area. The following table shows the average AGM fill and final cap material that will be located above the Am-241 Areas:

Am-241 Area	Average AGM fill over Am-241 Areas	Average Final Cap Over Landfill Area	Total Average Material Over Am-241 Areas
A	18 ft	3 ft	21 ft
B	14 ft	3 ft	17 ft
C	6 ft	3 ft	9 ft

Sectional views are also provided to show the amount of AGM fill material to be placed over the three Am-241 areas. In addition, two plan views are included: one that shows the entire Town of Tonawanda Landfill Site and the other that shows a blow-up of the three Am-241 areas.

If you have any questions or comments regarding this information, please contact me at 285-3920 for assistance.

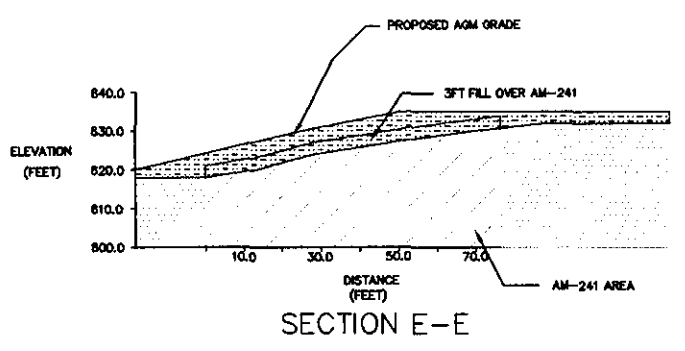
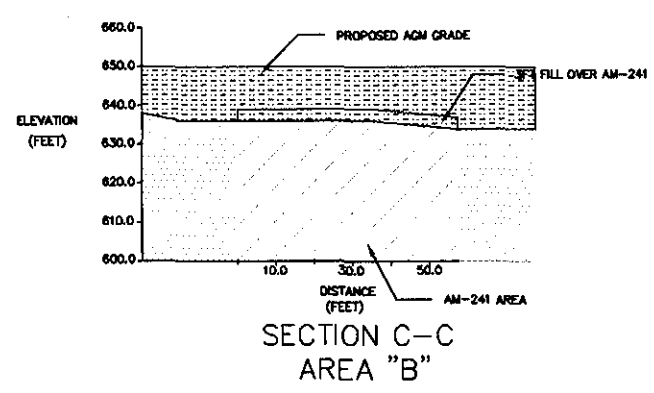
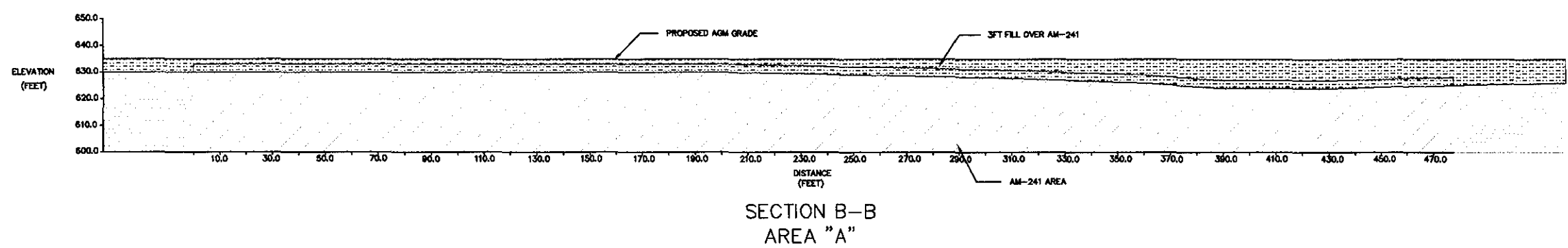
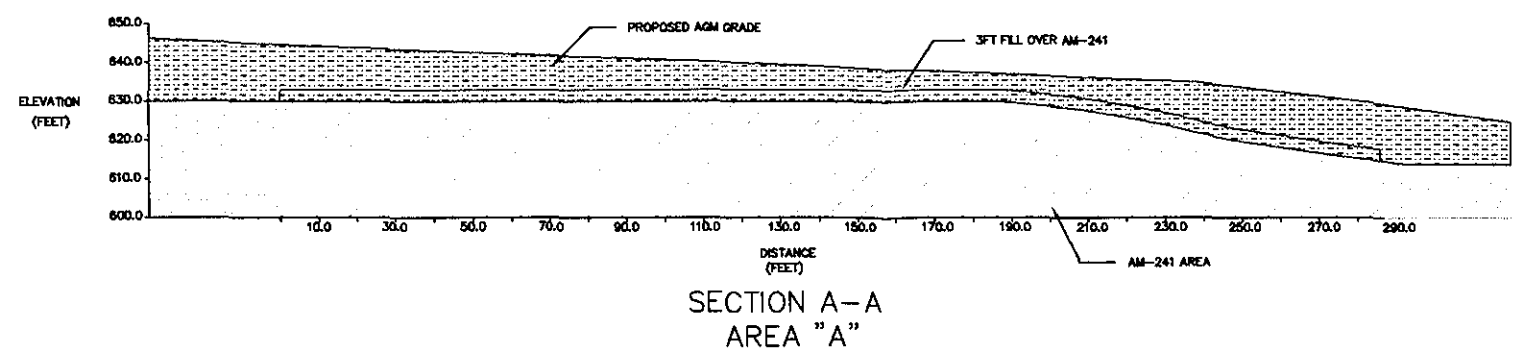
Sincerely,

[Redacted Signature]

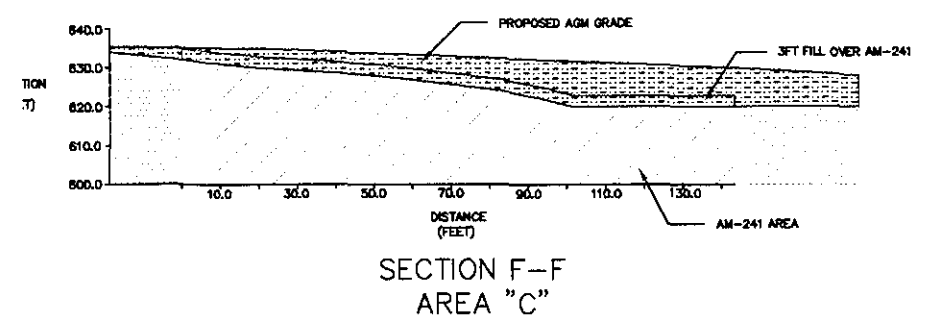
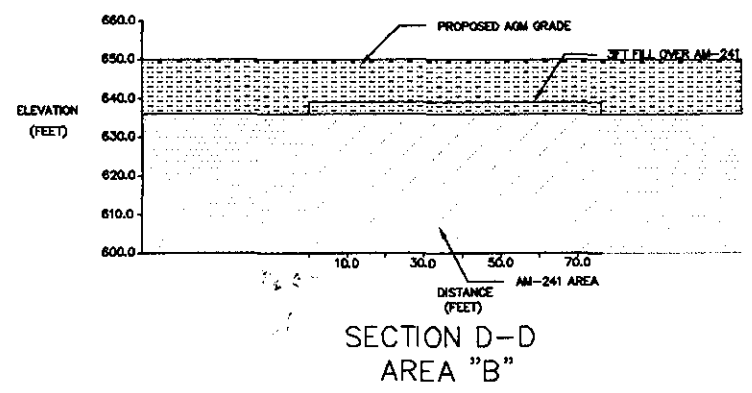
President
EnSol, Inc.

Enclosures

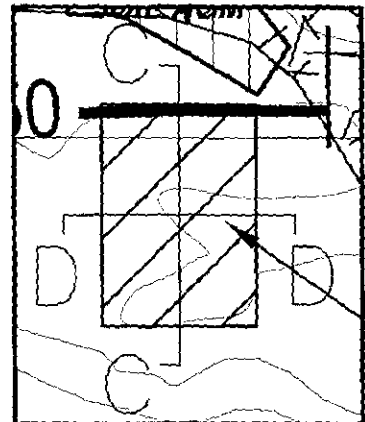
cc: [Redacted] - Town of Tonawanda
[Redacted], P.E. - NYSDEC Region 9
[Redacted] - US Army Corps of Engineers
[Redacted] - US Army Corps of Engineers



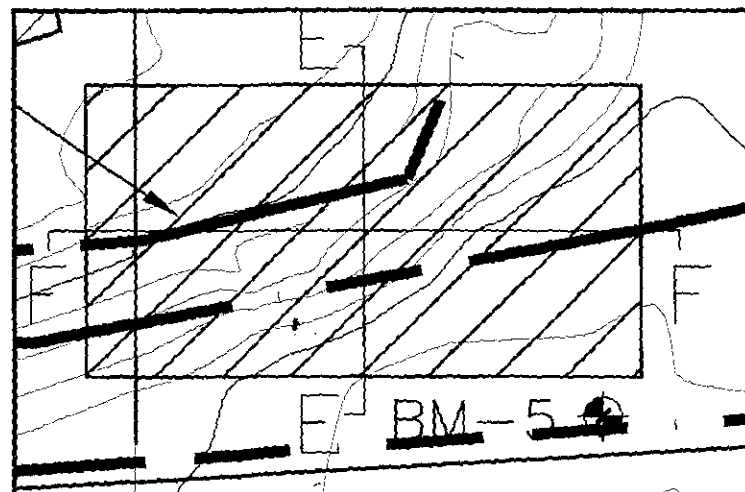
AREA "C"



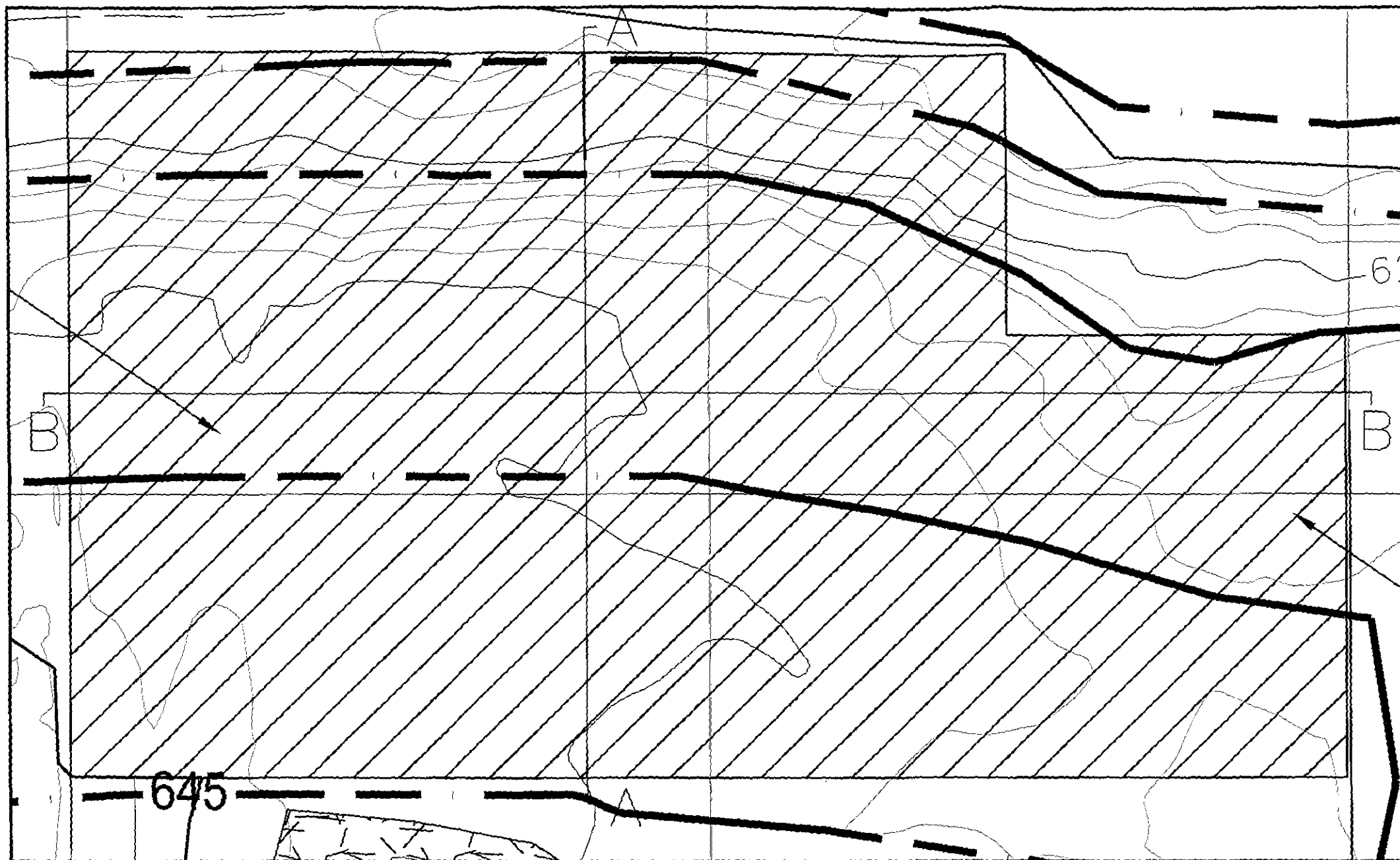
EnSol, Inc. Environmental Solutions 452 THIRD STREET NIAGARA FALLS, NY 14301 PHONE (716) 285-3020 FAX (716) 285-3928	TITLE: AM-241 GRADING PLAN	
	PROJECT: TOWN OF TONAWANDA LANDFILL CLOSURE	
PREPARED FOR: TOWN OF TONAWANDA		
TOWN OF TONAWANDA		COUNTY OF ERIE
STATE OF NY		
REVISION	BY	DATE
SHEET 1 OF 3		
<small>IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 128, SECTION 1005, FOR ANY PERSON UNLAWFULLY TO REPRODUCE, TRANSMIT, OR IN ANY MANNER TO ALTER AN ITEM IN ANY WAY.</small>		
DATE: 10/31/02	SCALE: 1/50	DWG: AM241.DWG
JOHN B. BATTAGLIA, P.E. NY LICENSE NO. 020389		CHECKED BY:
		PROJ. NO: 00-0028



Area "B"



Area "C"



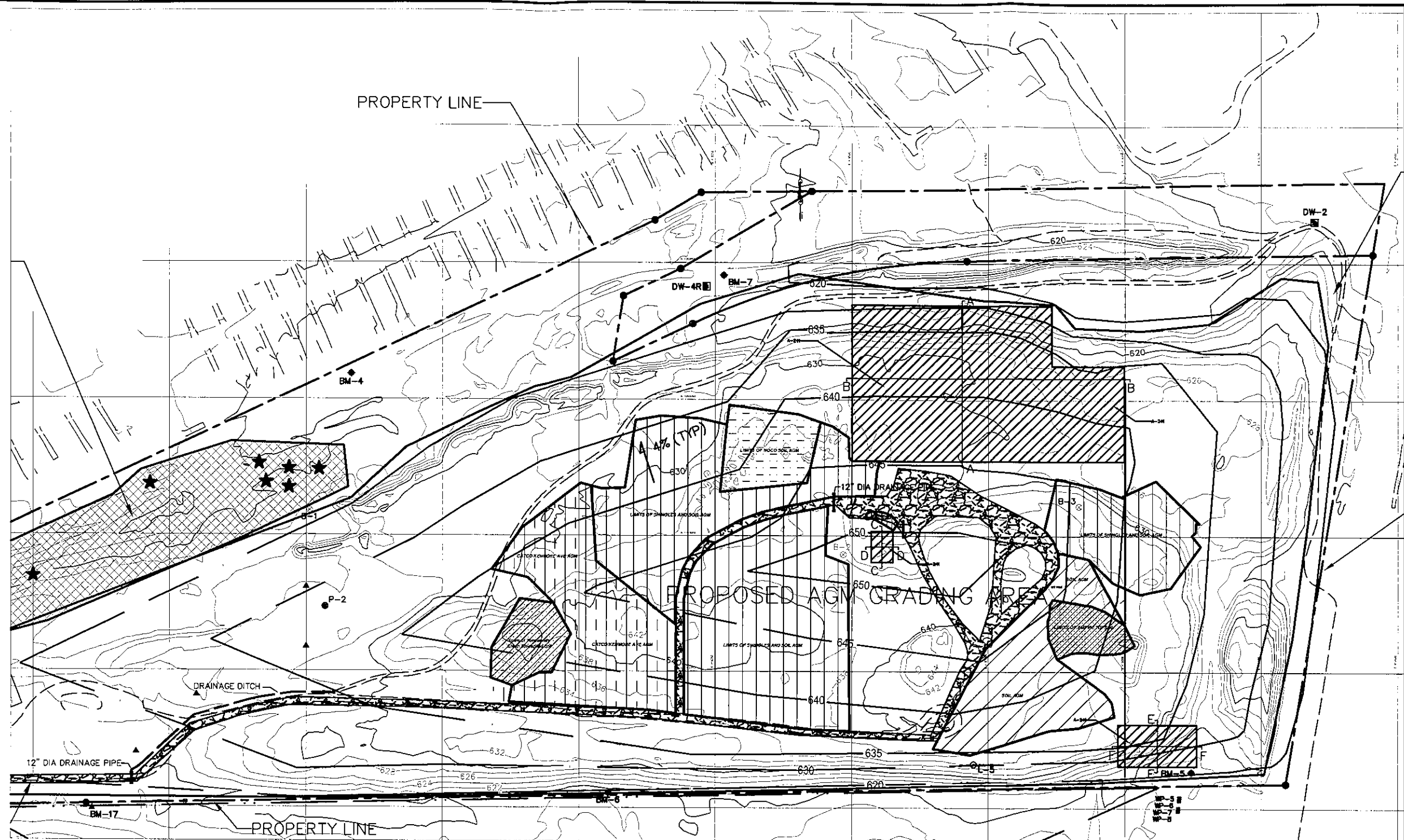
Area "A"

 AREAS OF AMERICIUM-241 DISPOSAL

EnSol, Inc. Environmental Solutions 432 THIRD STREET NIAGARA FALLS, NY 14301 PHONE (716) 285-2820 FAX (716) 285-2828	TITLE: AM-241 AREAS	
	PROJECT: TOWN OF TONAWANDA LANDFILL CLOSURE	
PREPARED FOR: TOWN OF TONAWANDA		
TOWN OF TONAWANDA		COUNTY OF ERIE
STATE OF NY		
REVISION	BY	DATE
SHEET	2 OF 3	
DATE: 1/20/02	SCALE: 1:50	DRAWN: ANSHU DWIVEDI
CHECKED BY:	PROJECT NO:	00-20235

LEGEND

- ⊙ B-1 PREVIOUS BORING BY OTHERS
- ⊕ BM-7 EXISTING DEEP OVERBURDEN WELL BY OTHERS
- ⊙ BM-19 DEEP OVERBURDEN WELL BY MALCOLM PIRNIE
- ⊕ DW-1 EXISTING SHALLOW OVERBURDEN WELL BY OTHERS
- ⊕ DW-4 SHALLOW OVERBURDEN WELL BY MALCOLM PIRNIE
- ⊙ P-1 PIEZOMETER
- ⊙ WP-1 WELLPOINT
- ▨ AREAS OF AMERICIUM-241 DISPOSAL
- AGM GRADE
- ACCESS ROAD
- PROPERTY BOUNDARY
- ▨ TOWN OF TONAWANDA STOCKPILED CLEAN SOIL
- ▨ SOIL AGM
- ▨ LIMITS OF EMPIRE STATE AGM
- ▨ LIMITS OF EMPIRE TOPSOIL
- ▨ LIMITS OF NOCO SOIL AGM
- ▨ LIMITS OF SHINGLES AND SOIL AGM
- ▨ CATCO/KENMORE AVE
- ▨ USDOE (FUSRAP) AREA
- ★ USDOE WASTE DETECTED (FROM ORNL, 1992)
- ▲ AM-241 WASTE DETECTED (FROM ORNL, 1992)
- 12" DIA DRAINAGE PIPE



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	PREPARED FOR: TOWN OF TONAWANDA	
	TOWN OF TONAWANDA	COUNTY OF ERIE
STATE OF NY		
REVISION		
	BY	DATE
SHEET 3 OF 3		
DATE: 10/31/02	SCALE: 1:200	DWG. NO.: AM241.DWG
DRAWN BY: JOHN B. BATTAGLIA, P.E. NY LIC# 456 NO. 070286	CHECKED BY:	PROJ. NO.: 00-0035