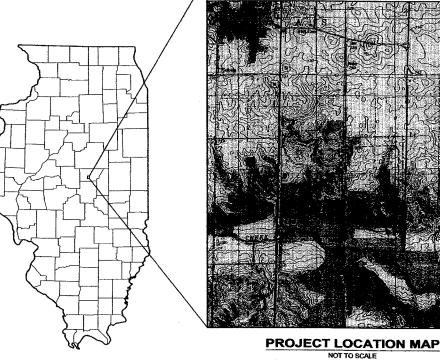
US ERA ARCHIVE DOCUMENT

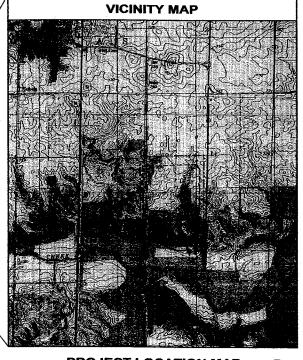
CLINTON LANDFILL NO. 3 PERMIT APPLICATION FOR A CHEMICAL WASTE UNIT

LEGEND			
SYMBOL.	DESCRIPTION		
	APPROXIMATE CLINTON LANDFILL NO.3 FACILITY BOUNDARY		
	APPROXIMATE CUNTON LANDFILL NO.3 WASTE BOUNDARY		

GENERAL NOTES

- FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.







SHEET NUMBER	SHEET TITLE	
D1	TITLE SHEET	
D2	REGIONAL SITE LOCATION	
D3	existing site topography	
D4	PROPOSED MASS EXCAVATION GRADES	
D5	PROPOSED MASS LINER GRADES	
D6	PROPOSED LEACHATE COLLECTION GRADES	
D7	LINER AND LEACHATE COLLECTION SYSTEM DETAILS - 1	
D8	LINER AND LEACHATE COLLECTION SYSTEM DETAILS - 2	
D9	CHEMICAL WASTE UNIT / MSW SEPARATION BERM	
D10	LEACHATE STORAGE / LOAD OUT FACILITY PLAN	
D11 .	TOP OF WASTE CHEMICAL WASTE UNIT	
D12	TOP OF WASTE GRADES - CHEMICAL WATE AND MSW UNITS	
D13	PROPOSED FINAL LANDFORM - CHEMICAL WASTE AND MSW UNITS	
D14	COVER/MONITORING DETAILS	
D15	STORMWATER MANAGEMENT SYSTEM - INTERIM CONDITIONS	
D16	STORMWATER MANAGEMENT SYSTEM - CLOSED CONDITIONS	
D17	TYPICAL STORMWATER MANAGEMENT SECTIONS AND DETAILS - 1	
D18	TYPICAL STORMWATER MANAGEMENT SECTIONS AND DETAILS $-\ 2$	
D19	TYPICAL EROSION CONTROL DETAILS	
D20	CROSS SECTION A-A" (SOUTH - NORTH)	
021	CROSS SECTION B-B' (WEST - EAST)	
D22	CHEMICAL WASTE UNIT - INITIAL DEVELOPMENT	



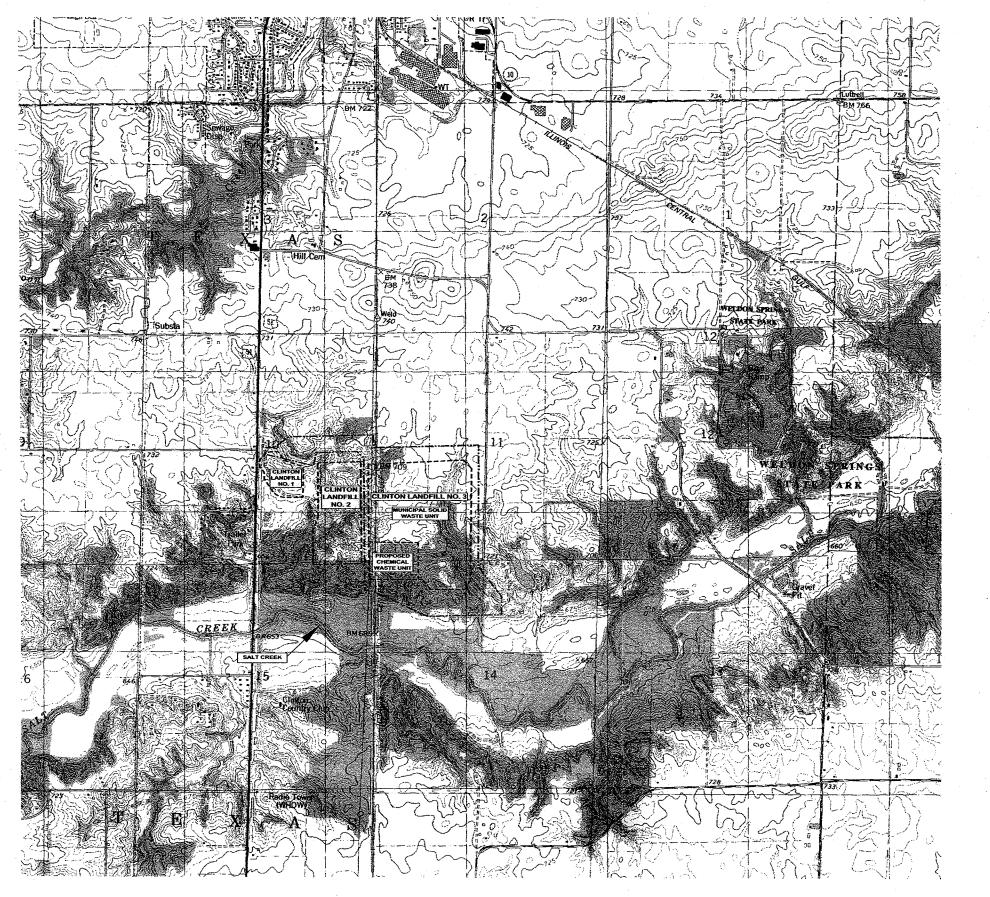
Clinton Landfill, Inc.







D1





LEGEND

APPROXIMATE CLINTON LANDFILL NO. 3
FACILITY BOUNDARY

---- APPROXIMATE WASTE BOUNDARIES

NOTES:

- THERE ARE NO PUBLIC OR PRIVATE USE AIR OPERATION AREAS LOCATED WITHIN 10,000 FEET OF THE CLINION LANDRIL NO. 3. THE NEAREST AIRSTREP IS THE PRIVATELY OWNED MARTIN RESTRICTED LANDING AREA WHICH, IS LOCATED APPROXIMATELY 6 MILES FROM THE CHEMICAL WASTE UNIT.
- 2. A REGULATORY 100-YEAR FLOODPLAIN IS NOT PRESENT WITHIN THE CUNTON LANDFILL NO. 3. AS SUCH, THE PROPOSED CHEMICAL WASTE UNIT WILL NOT RESTRICT THE FLOW OF THE 100-YEAR FLOOD, REDUCE THE TEMPORARY WATER STORAGE CAPACITY, OR RESULT IN WASHOUT OF WASTE THE LANDFILL HAS BEEN WITH DIVERSION STRUCTURES CAPACITY, OR RESULT IN WASHOUT OF WASTER RUNOFF FROM A 100-YEAR, 24-HOUR STORM EVENT EXCEEDING FEDERAL AND STATE REQUIREMENTS.
- 3. THE PROPOSED CHEMICAL WASTE UNIT WILL NOT IMPACT ANY WETLANDS OR WATERS OF THE UNITED STATES. ITHE UNITED STATES ARMY CORP OF ENGINEERS REPORTED THAT THE STEERS NOT LOCATED WITHIN A JURISDICTIONAL WETLAND. THE LILLIONS DEPARTMENT OF NATURAL RESOURCES HAS STATED THAT THEY HAVE NO JURISDICTION OVER STREAMS WITH AREAS LESS THAN 10 SQUARE MILES. DRAINAGE AREAS DISTURBED BY THIS SITE CONTAIN WATERSHEDS LESS THAN 10 SQUARE MILES, AS DETERMINED IN THE PREVIOUSLY PERMIT APPLICATION.
- 4. THERE ARE NO FAULTS THAT HAVE DISPLACEMENT DURING THE HOLOCENE EPOCH WITHIN 200 FEET OF THE PROPOSED CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT.
- THE CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT IS NOT LOCATED WITHIN A SEISMIC IMPACT ZONE THAT HAS A 10% CHANCE OF EXCEEDING 0.10 G IN 250 YEARS. THE FACILITY HAS BEEN DESIGNED TO ACHIEVE A SAFETY FACTOR GREATER THAN 1.3 AGAINST SLOPE FAILURE UNDER SEISMIC CONDITIONS.
- THERE ARE NO RIVERS DESIGNATED FOR PROTECTION UNDER THE WILD AND SCENIC RIVERS ACT WITHIN THE PROPOSED AREA. FURTHERMORE, DEVELOPMENT AND OPERATIONS OF THE CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT WILL NOT ADVERSLY IMPACT ANY ADJACENT WATERWAYS.
- 8. A PHASE I ARCHAEOLOGICAL SURVEY WAS PERFORMED BY THE PUBLIC SERVICE ARCHAEOLOGY PROGRAM AT THE UNIVERSITY OF ILLINOIS ANTHROPOLOGY DEPARTMENT. THE SURVEY DID NOT FIND ANY SIGNIFICANT ARCHAEOLOGY SITES.
- THE DEVELOPMENT AND OPERATIONS OF THE CUNTON LANDFILL NO. 3 CHEMICAL WASTE UNIT WILL NOT VIOLATE AN AREA-WIDE OR STATE-WIDE WATER QUALITY MANAGEMENT (WQM) PLAN.
- ONE WATER WELL IS LOCATED WITHIN THE SETBACK ZONE AS DEFINED BY SECTION 14.2 AND 14.3 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT AND IS LOCATED ON THE CLINTON LANDFILL NO. 3 PROPERTY. HOWEVER, THE WATER WELL WILL BE PROPERLY ABANDONED PRIOR TO CELL DEVELOPMENT IN THAT AREA.
- 12. NO DESIGNATED SOLE SOURCE AQUIFERS NOR REGULATED RECHARGE AREAS ARE LOCATED WITHIN THE AREA OF THE CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT.
- 13. ALL LANDFILLING OPERATIONS WITHIN 500 FEET OF PUBLIC ROADS WILL BE SCREENED FROM VIEW BY A COMBINATION OF VEGETATED EARTHEN BERMS AND/OR A FENCE.
- 14. THE CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT BOUNDARY IS LOCATED OVER 500 FEET FROM ALL OCCUPIED DWELLINGS, SCHOOLS, RETIREMENT HOMES, HOSPITALS OR LIKE INSTITUTIONS.
- THERE ARE NO NATURAL AREAS DESIGNATED AS A DEDICATED ILLINOIS NATURE PRESERVE PURSUANT TO THE ILLINOIS NATURAL AREAS PRESERVATION ACT WITHIN TWO MILES OF THE PROPOSED CHEMICAL WASTE UNIT.
- THERE ARE NO STATE PARKS, FEDERAL PARKS, OR RECREATIONAL AREAS WITHIN ONE MILE OF THE PROPOSED CHEMICAL WASTE UNIT.

MAP REFERENCES:

- U.S.G.S. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE MAPS, CLINTON DEWITT COUNTY, ILLINOIS (1979), MARGA DEWITT COUNTY, ILLINOIS (1979).
- 2. THE TOPOGRAPHY SHOWN ON THIS DRAWING IS DIFFERENT FROM THE CURRENT EXISTING TOPOGRAPHY WITHIN THE FACILITY BOUNDARY. SEE DRAWING D3 FOR FACILITY TOPOGRAPHY.

Clinton Landfill, Inc.

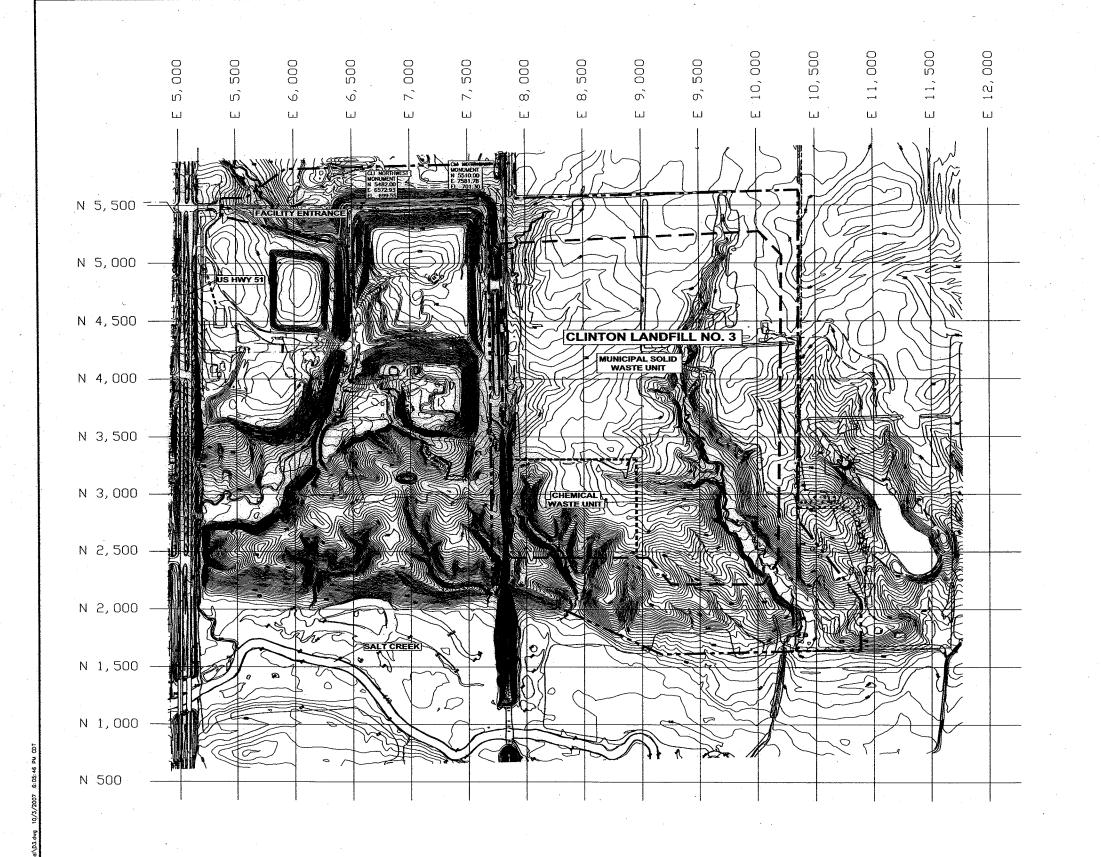


CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT DEWITT COUNTY, ILLINOIS

PROJ. NO.: 128017 DATE: OCTOBER 200 DESIGNED BY: RDS DRAWN BY. CHECKED BY: APPROVED BY:

D2 2 OF 22 SHEETS

REGIONAL SITE LOCATION





LEGEND

APPROXIMATE EXISTING PERMITTED CLINTON LANDFILL NO.3 WASTE BOUNDARY APPROXIMATE CHEMICAL WASTE UNIT BOUNDARY

NOTES

- EXISTING TOPOGRAPHY BASED ON AERIAL PHOTOGRAMMETRY BY WALKER AND ASSOCIATES, ST. LOUIS, MISSOURI. (MARCH 30, 1999 PHOTOGRAPHY DATE)
- VERTICAL AND HORIZONTAL CONTROL BASED ON "CLI NORTHWEST MONUMENT" AND "CLI NORTHEAST MONUMENT" SHOWN ON THIS DRAWING. THESE MONUMENTS CONSIST OF IRON PINS SET IN CONCRETE.
- 3. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
- 4. CURRENT TOPOGRAPHY MAY DIFFER FROM THAT SHOWN.
- THE ACREAGE OF THE WASTE FOOTPRINT FOR CLINTON LANDFILL NO. 3 IS APPROXIMATELY 157:45 ACRES. THE ACREAGE FOR THE CHEMICAL WASTE UNIT IS APPROXIMATELY 22:495 ACRES.

area Clinton Landfill, Inc.

DESCRIPTION



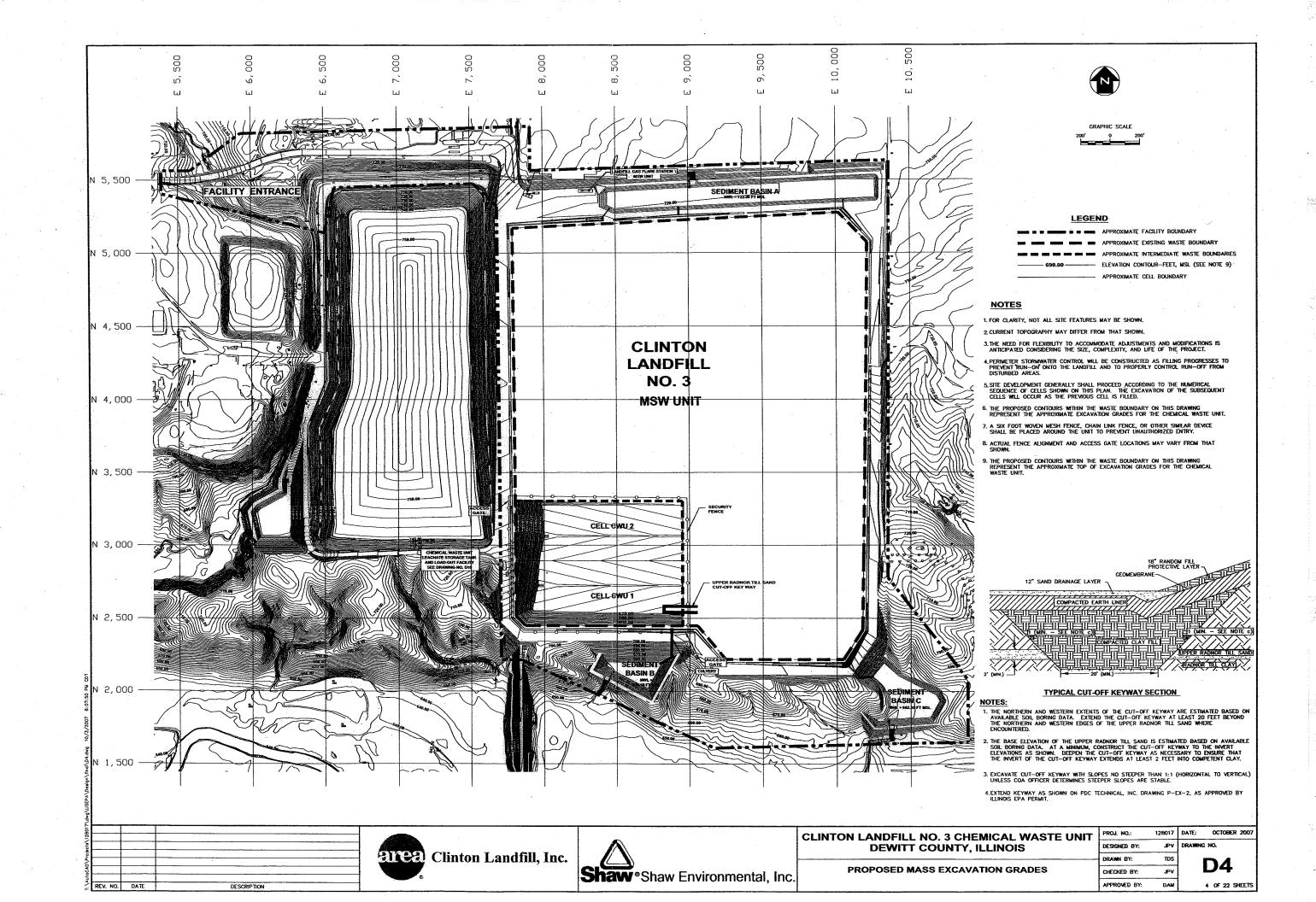
CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT DEWITT COUNTY, ILLINOIS

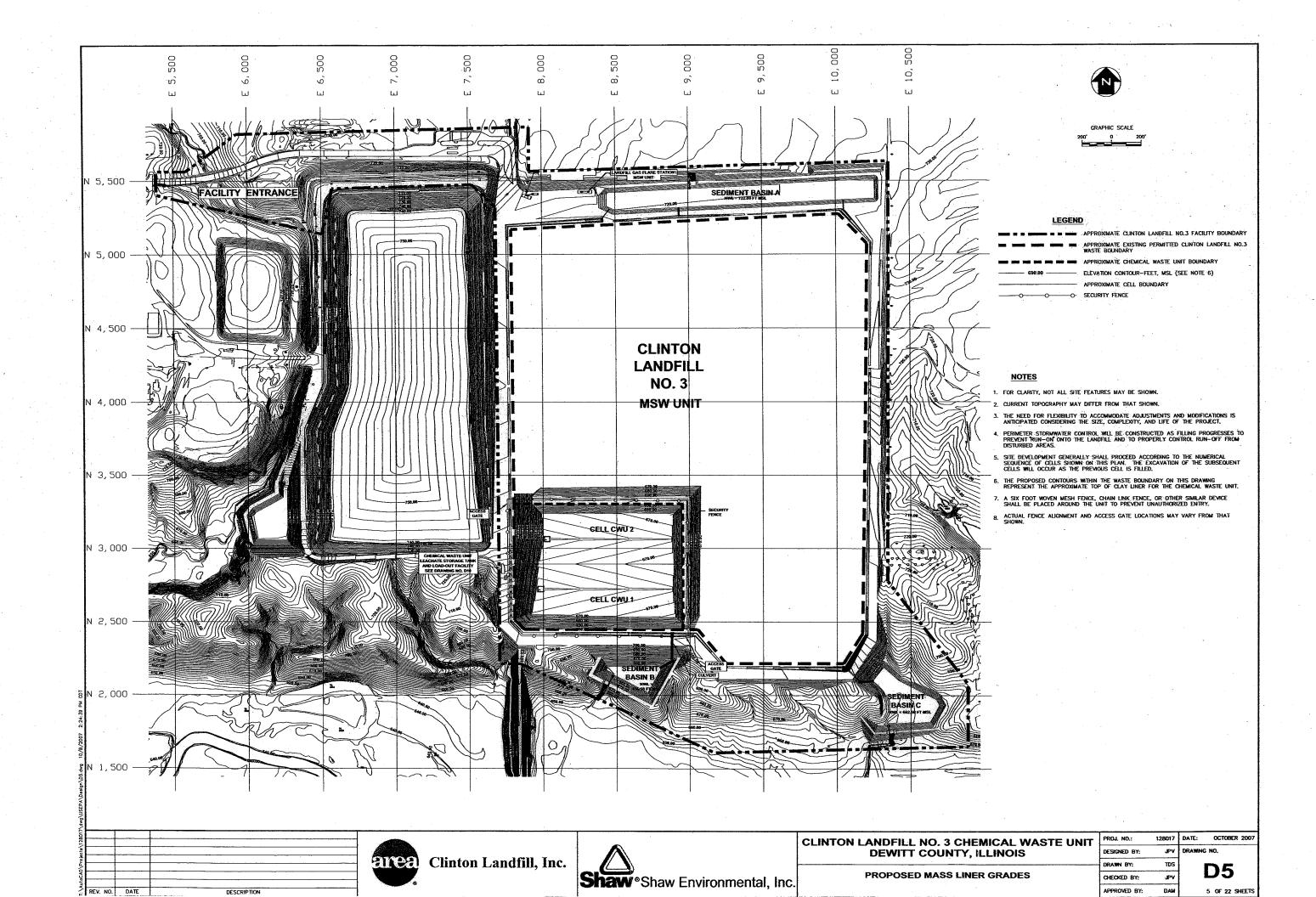
EXISTING SITE TOPOGRAPHY

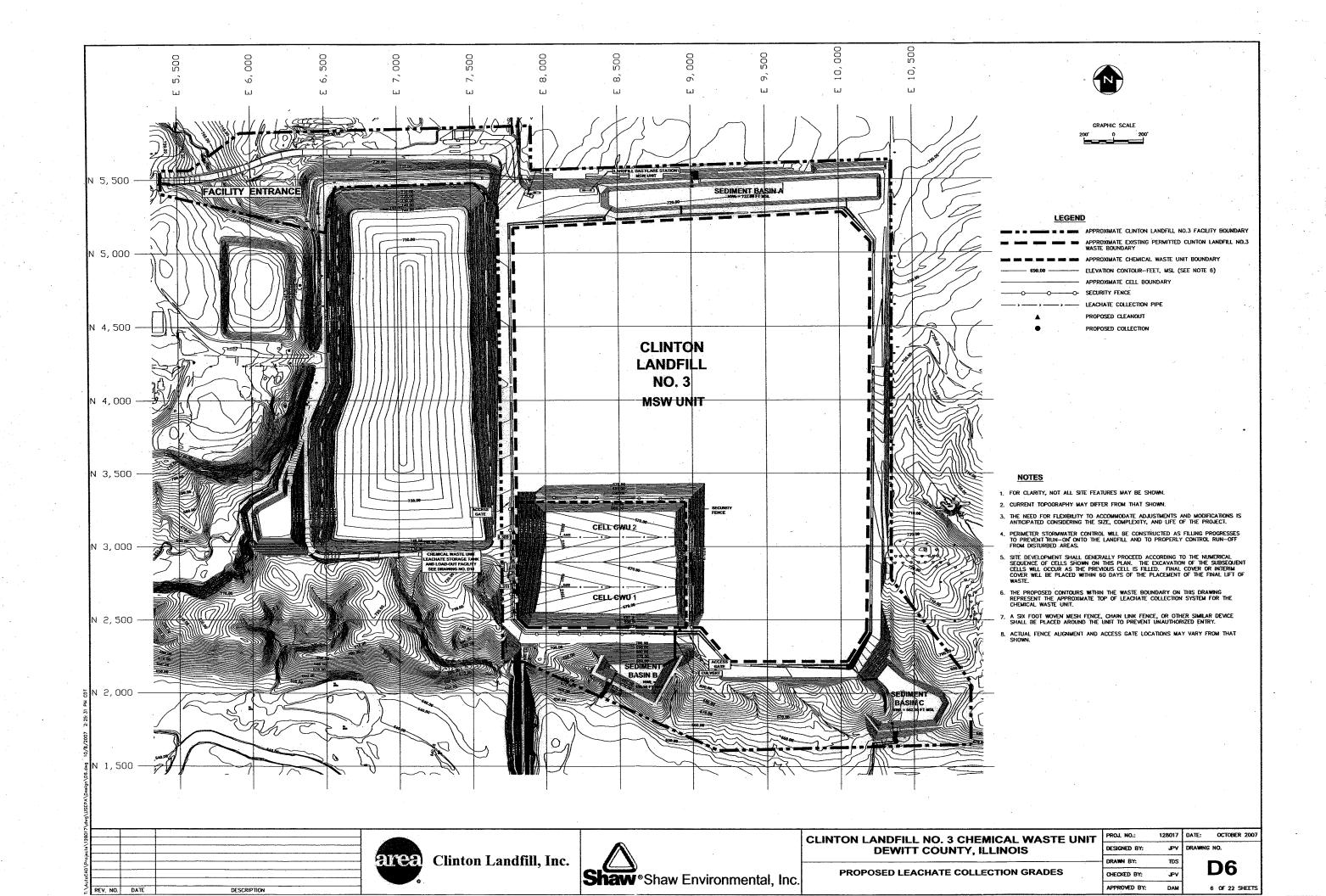
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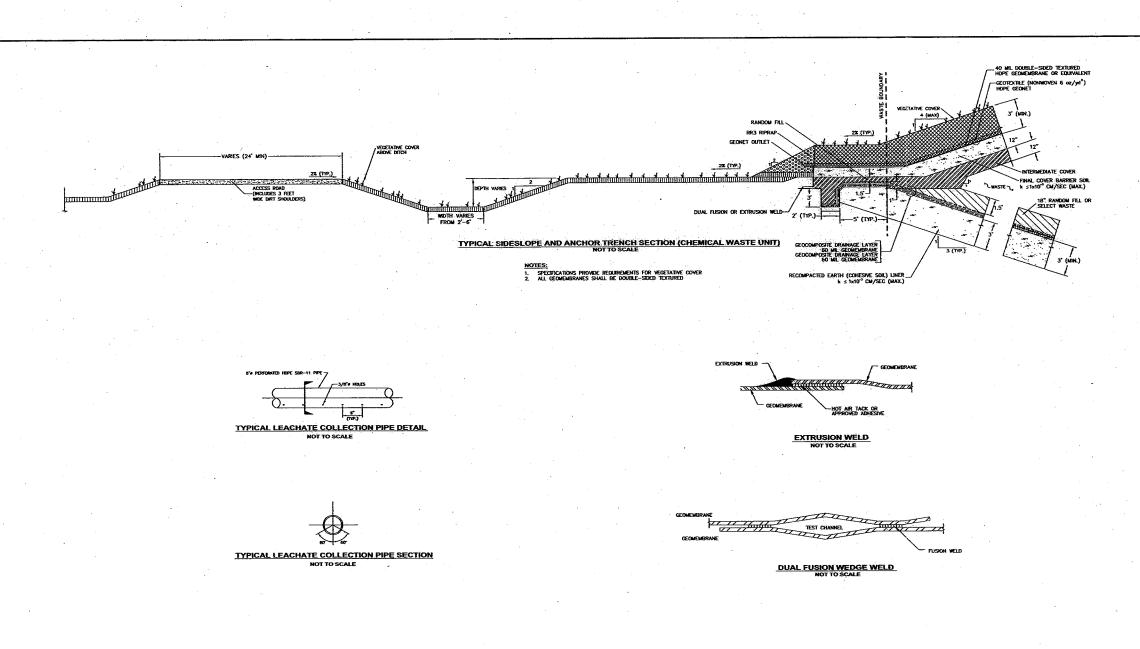
128017 DATE: OCTOBER 2007 EJD **D3** DAM 3 OF 22 SHEETS

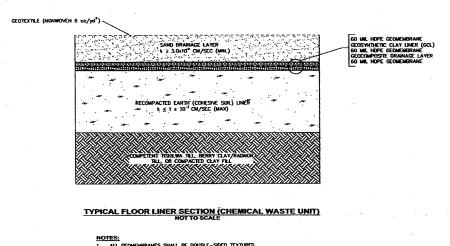
Shaw Shaw Environmental, Inc.

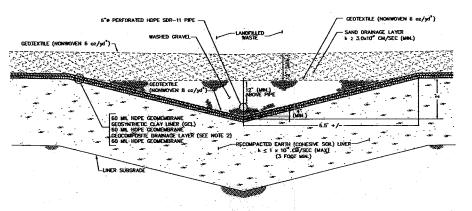












TYPICAL LEACHATE COLLECTION TRENCH SECTION (CHEMICAL WASTE UNIT)

NOTES:

T. ALL GEOMENBRANES SHALL BE DOUBLE-SIDED TEXTURED

2. PLACE FIVE LAYERS OF GEONET OR GEOCOMPOSITE
ABOVE OF THE BOTTOM GEOMEMBRANE WITHIN THE
LEACHETE COLLECTION TRENCH

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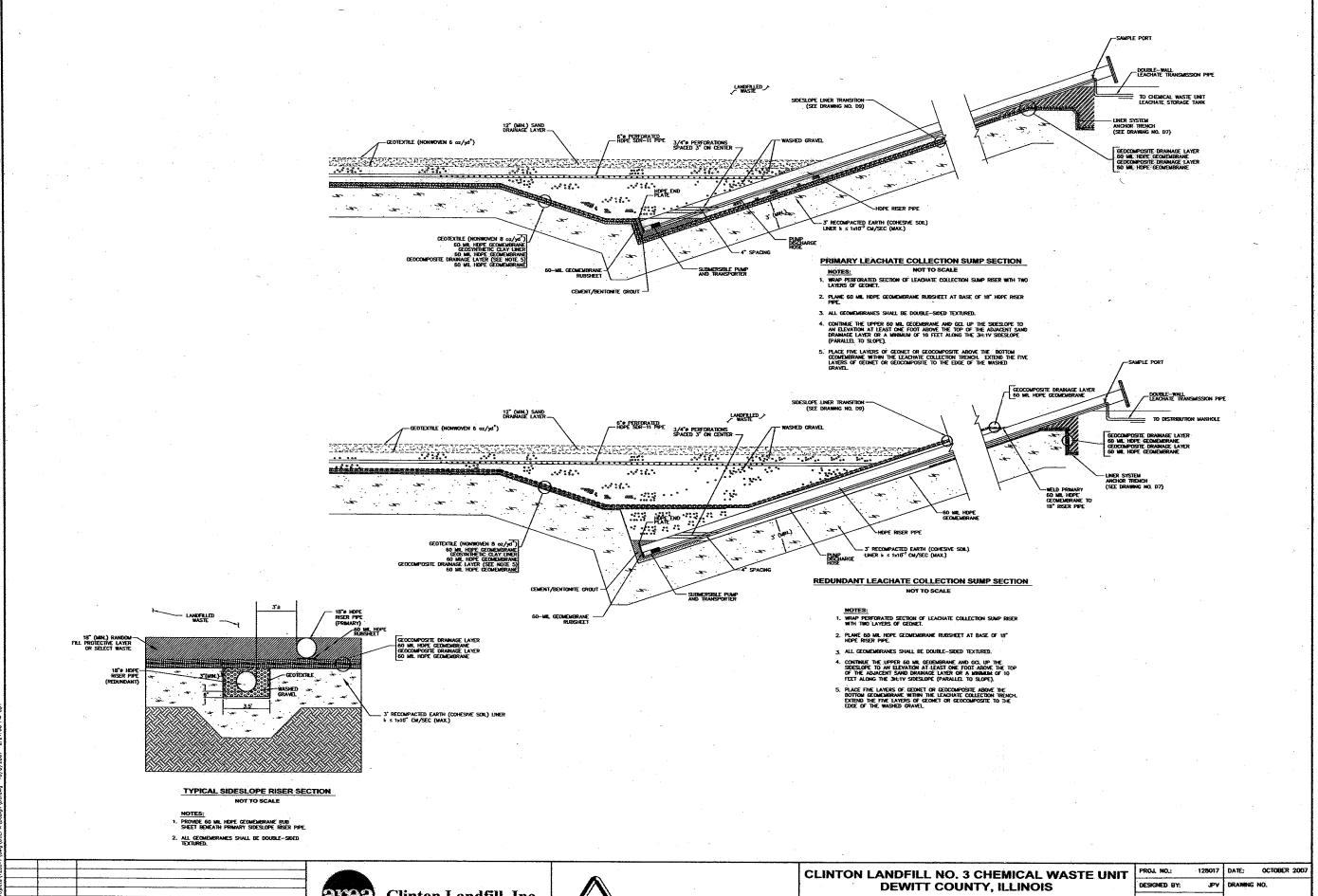
Clinton Landfill, Inc.



CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT DEWITT COUNTY, ILLINOIS

LINER AND LEACHATE COLLECTION SYSTEM DETAILS - 1

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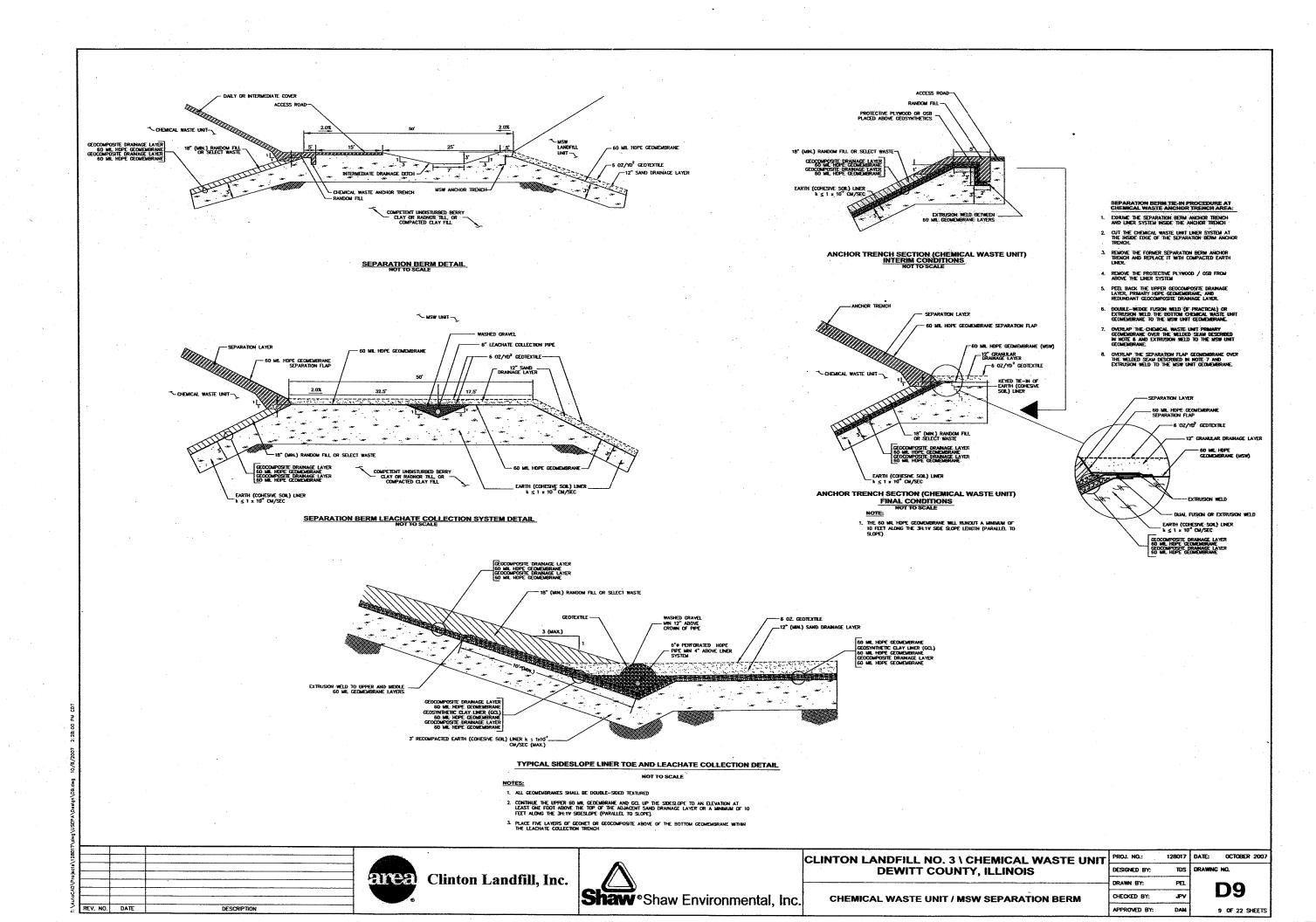
area Clinton Landfill, Inc.

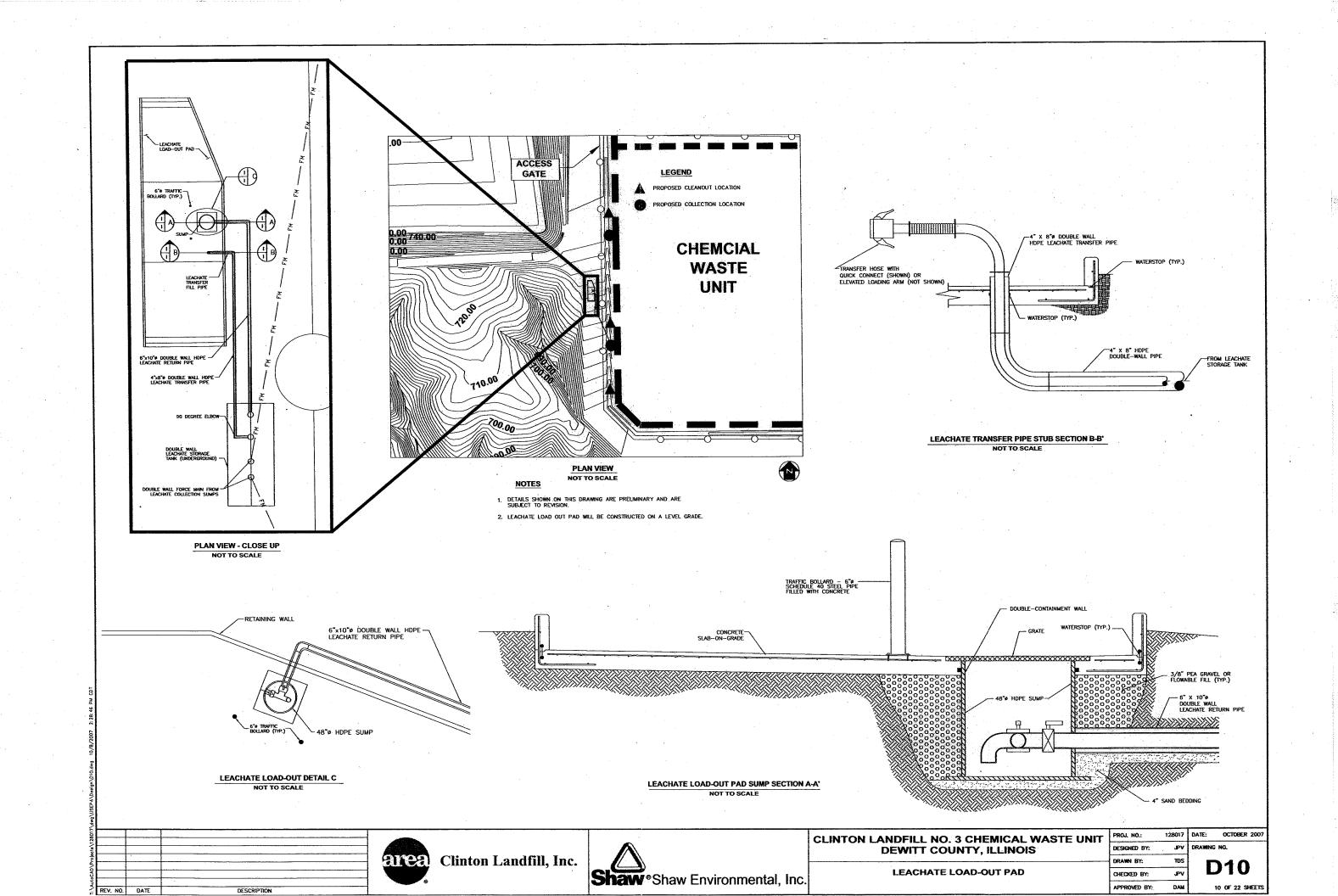


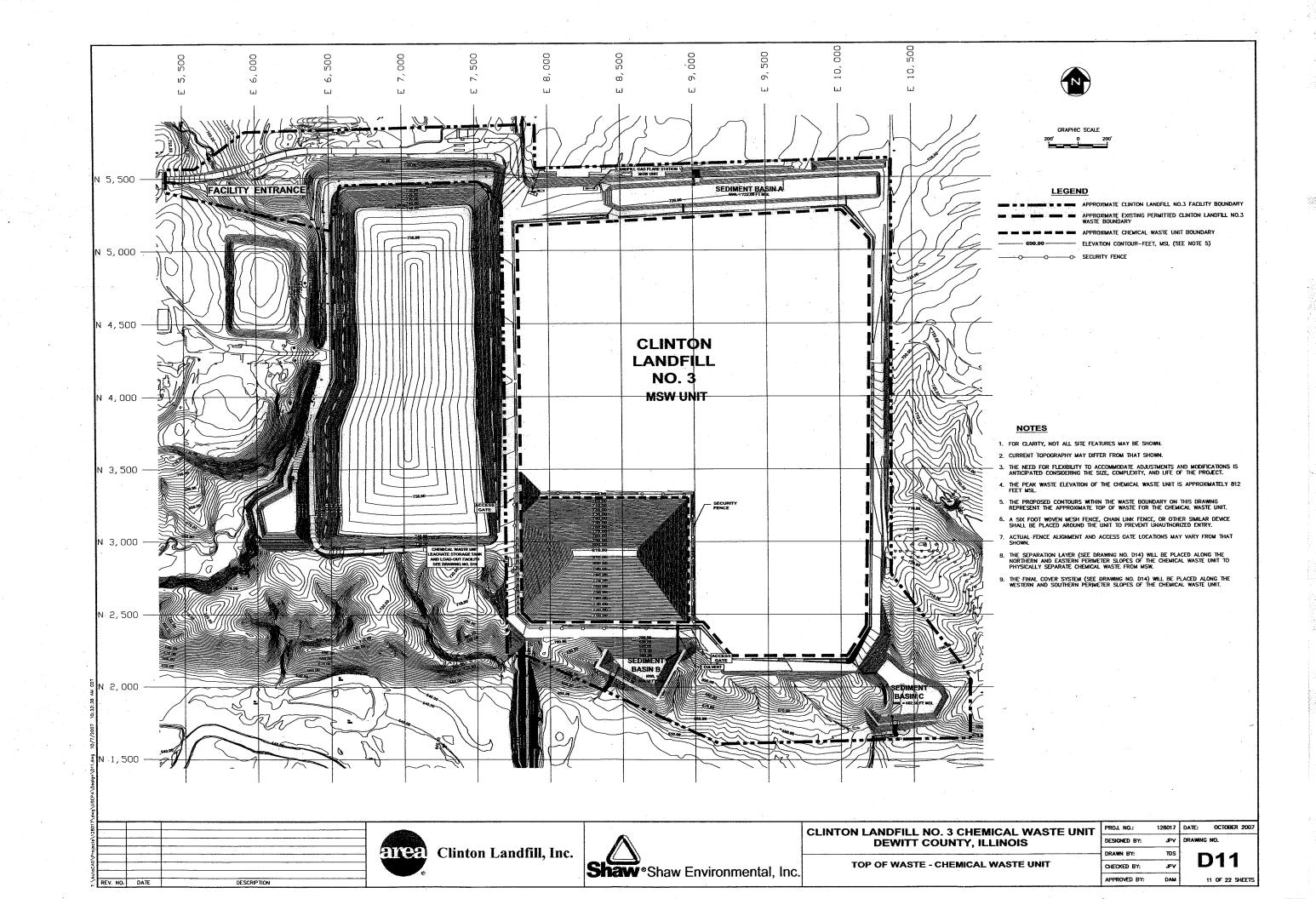
LINER/ LEACHATE COLLECTION SYSTEM DETAILS - 2

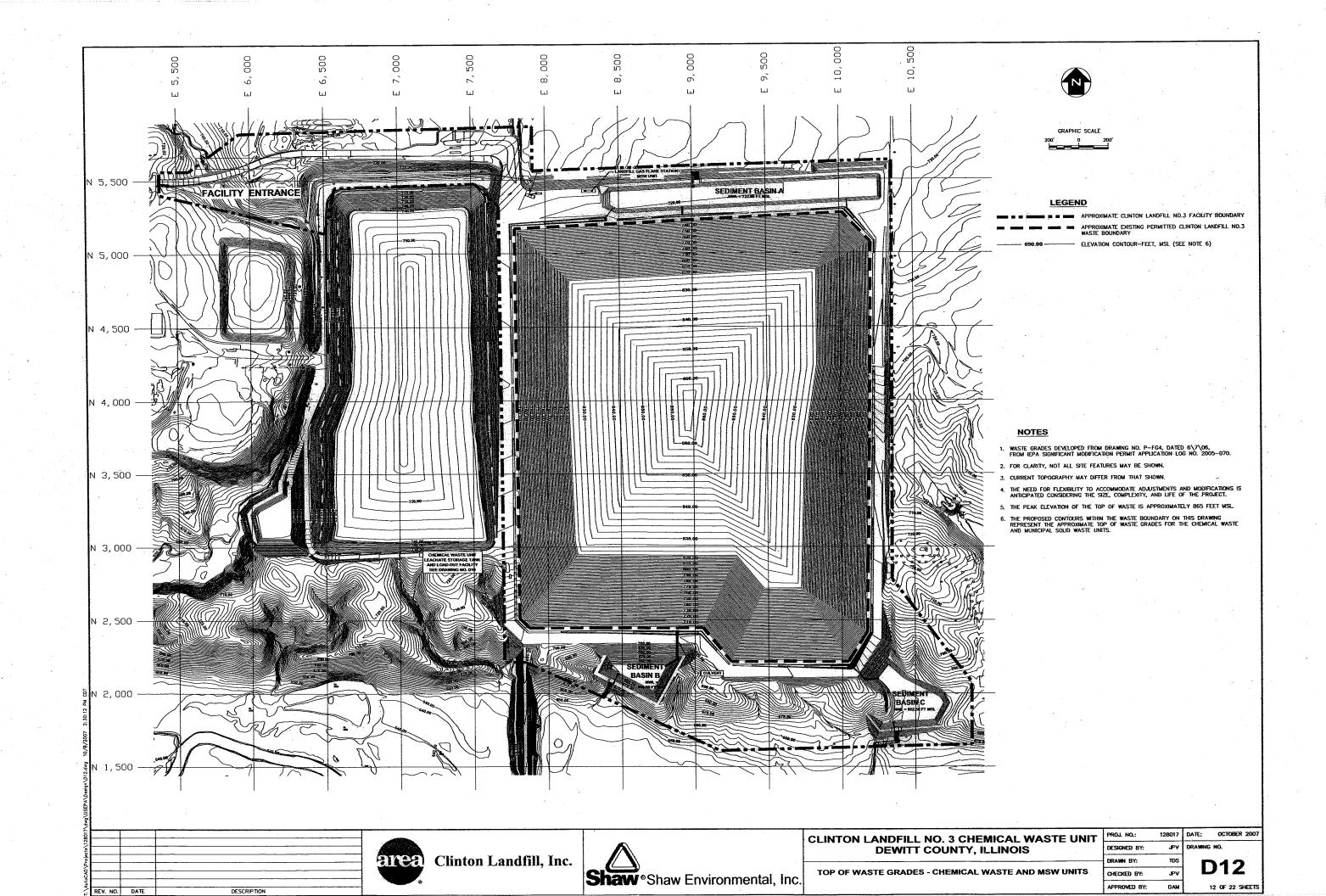
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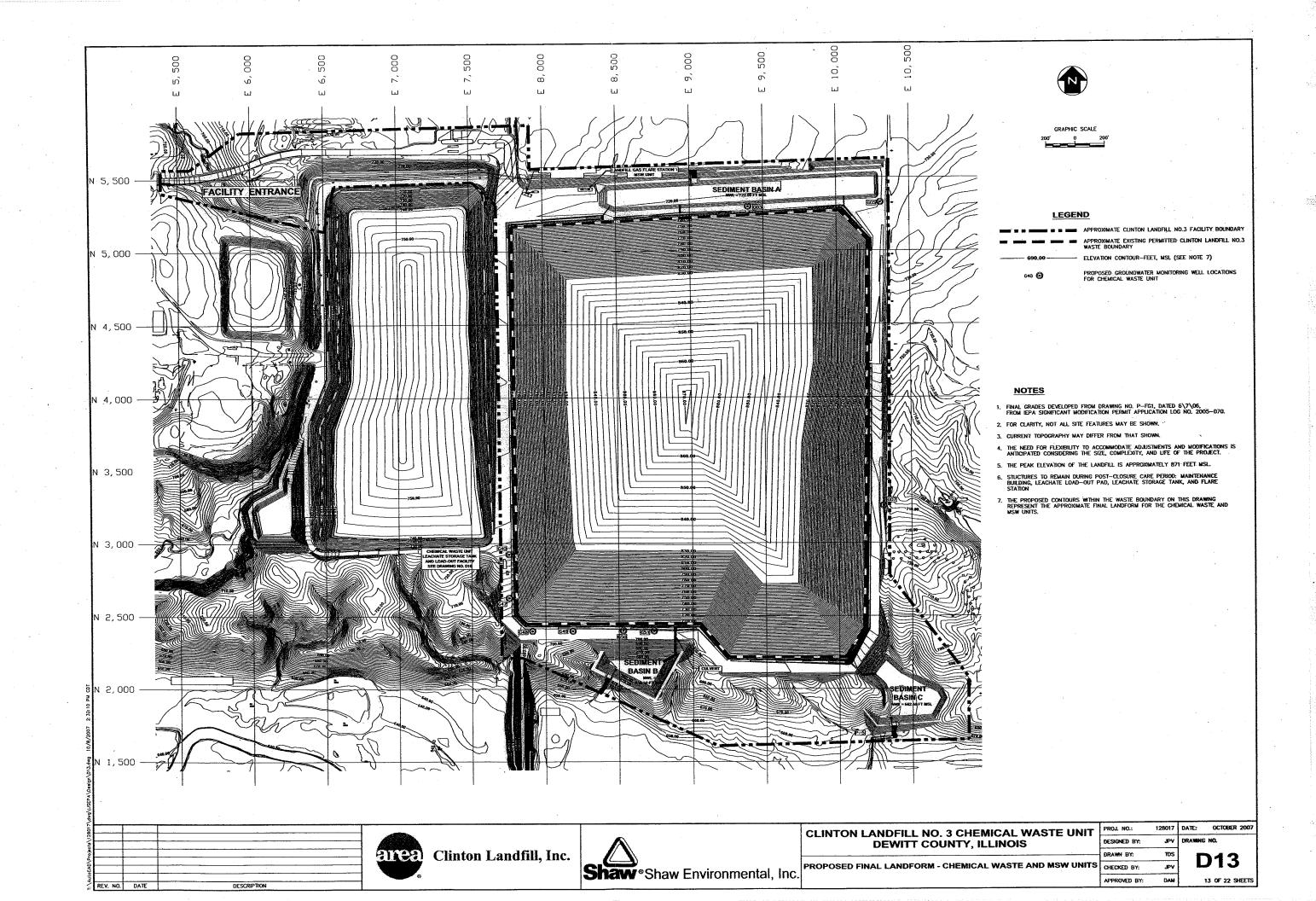
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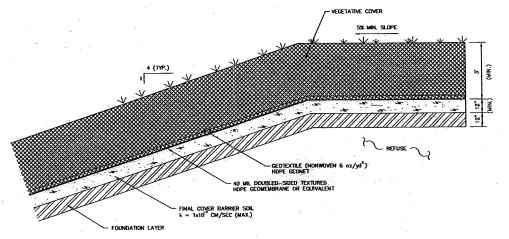












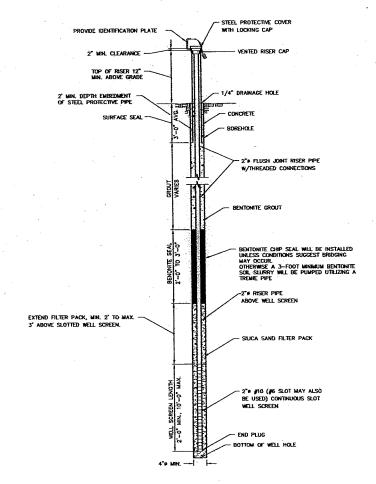
FINAL COVER DETAIL NOT TO SCALE

NOTES:

- GEONET DRAINAGE LAYER WILL DRAIN TO STORMWATER MANAGEMENT SYSTEM AS SHOWN ON DRAWING NO. D7.
- 2. MINIMUM 3° VEGETATIVE COVER THICKNESS MAY BE INCREASED AS A RESULT OF LANDSCAPING AND CONTOURING OF THE FINAL LANDFORM.
- 3. THE UPPER 6 INCHES OF SOIL SHALL BE SUITABLE FOR GROWTH OF VEGETATION.

-12" (MIN.) COMPACTED COHESIVE SOIL SLOPE TO DRAIN CHEMICAL WASTE 3 (MAX) SEPARATION LAYER DETAIL CHEMICAL VASTE NOT TO SCALE

- THE SEPARATION LAYER SHALL BE PLACED TO PHYSICALLY SEPARATE WASTES PLACED IN THE MSW UNIT FROM WASTES PLACED IN THE CHEMICAL WASTE UNIT.
- 2. THE SEPARATION LAYER SHALL CONSIST OF COHESIVE SOIL THAT IS PLACED AND COMPACTED IN A MANNER TO MINIMIZE THE POTENTIAL FOR LEACHATE FROM MIGRATING INTO THE CHEMICAL WASTE UNIT FROM THE MUNICIPAL SOLD WASTE UNIT AND TO PREVENT LAMPILL GAS MITIGRATION FROM THE MSW UNIT INTO THE CHEMICAL WASTE UNIT.
- THE SEPARATION LAYER MAY BE INCORPORATED INTO THE INTERMEDIATE COVER DURING THE OPERATING PERIOD OF THE CHEMICAL WASTE UNIT.



TYPICAL MONITORING WELL

NOT TO SCALE

NOTE:

WELL CONSTRUCTION MAY CHANGE DEPENDING ON TECHNOLOGY CHANGES AND MODIFICATIONS IN REGULATIONS.

INTERMEDIATE COVER DETAIL

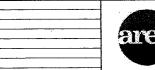
CHEMICAL WASTE

SLOPE TO DRAIN

- 1. INTERMEDIATE COVER SHALL BE AT LEAST PARTIALLY REMOVED PRIOR TO PLACEMENT OF NEW WASTE TO FACILITATE LEACHATE DRAINAGE.
- A MINIMUM OF 18 INCHES OF INTERMEDIATE COVER SHALL BE PLACED ON PERMIETER SLOPES WHICH ARE STEEPER THAN 20% AND HAVE UNINTERRUPTED DRAINAGE LENGTHS GREATER THAN 200 FEET.

-12" CLEAN COMPACTED SOIL COVER (MIN.)

3. EROSION CONTROL MEASURES, SUCH AS TEMPORARY VEGETATION, DRAINAGE TERRACES, EROSION CONTROL BLANKETS (ECB), TURF REINFORCEMENT MATS (TRM), OR OTHER APPROPRIATE METHODS SHALL BE INCORPORATED AS NECESSARY ON PERIMETER INTERMEDIATE COVER SLOPES THAT ARE SUSCEPTIBLE TO EROSION OR REMAIN IN PLACE LONGER THAN 12 MONTHS.



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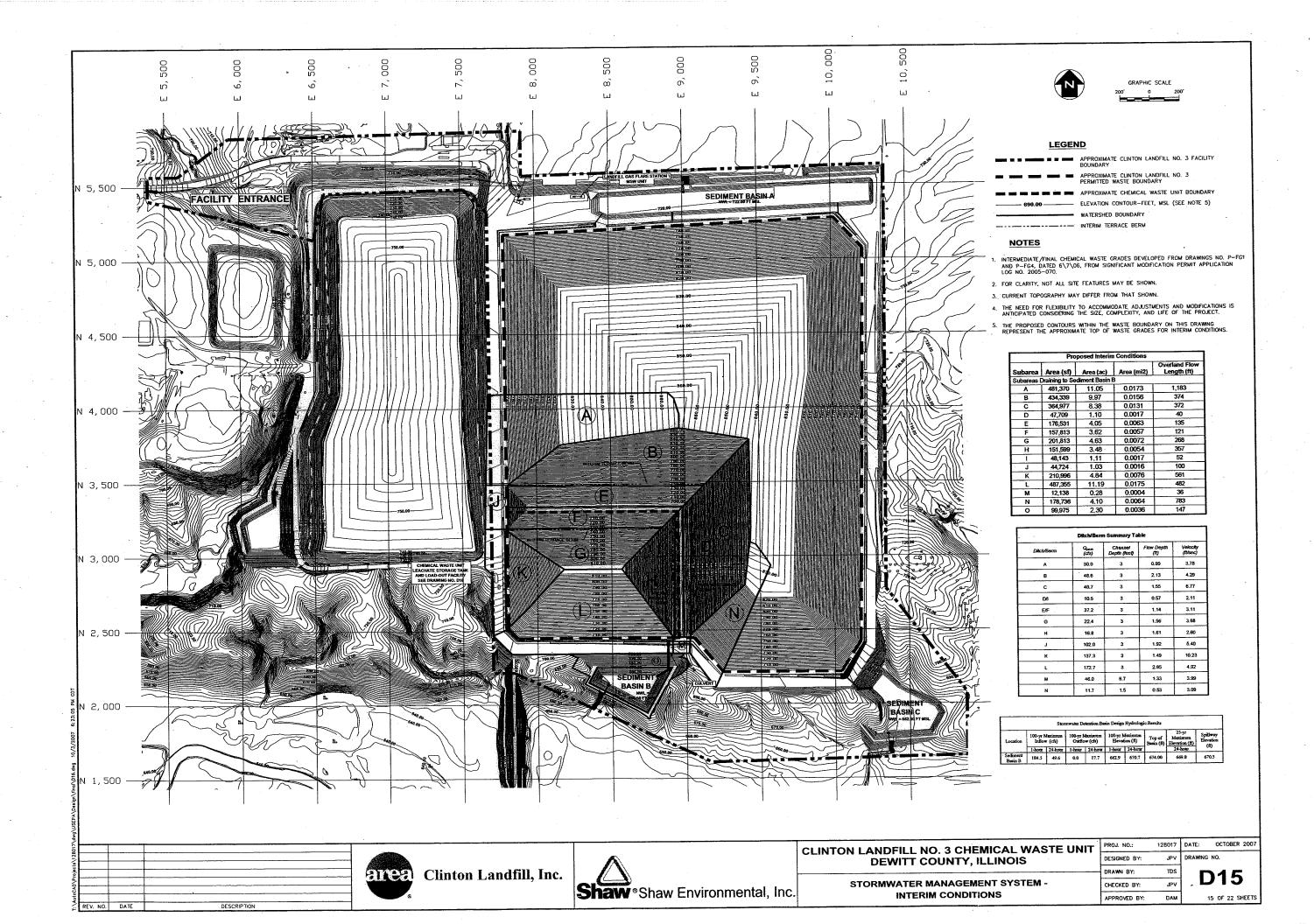


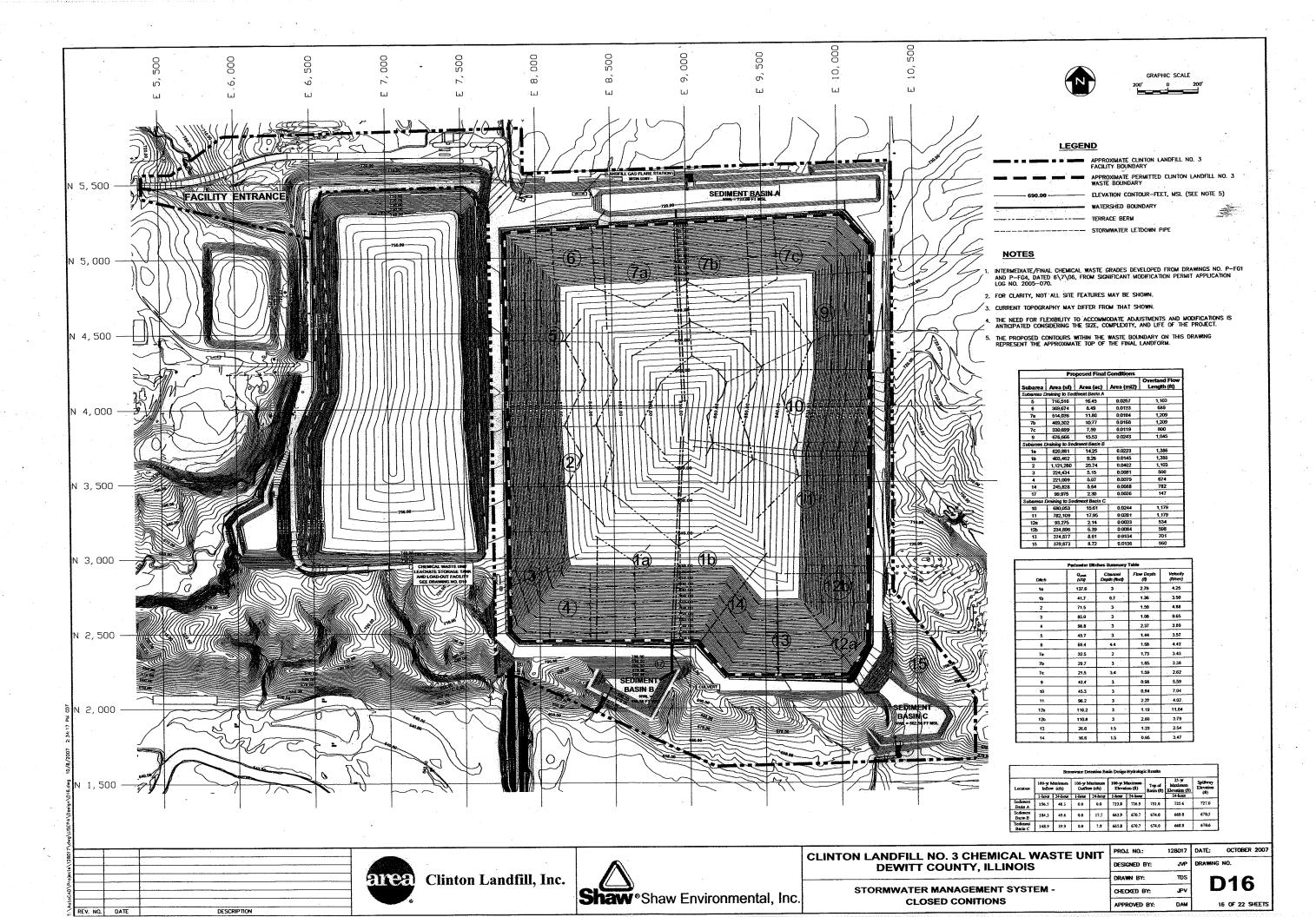
CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT	PROJ. NO.:	128017	DATE: OCTOBER 20
DEWITT COUNTY, ILLINOIS	DESIGNED BY:	TDS	DRAWING NO.
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COVER/MONITORING DETAILS	CHECKED BY:	JPV	D14
 	APPROVED BY:	DAM	14 OF 22 SHEE

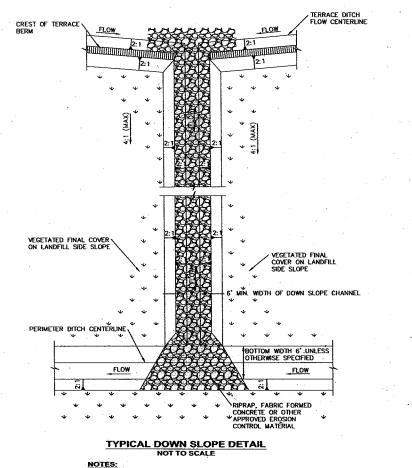
OCTOBER 2007

14 OF 22 SHEETS

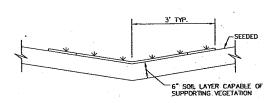
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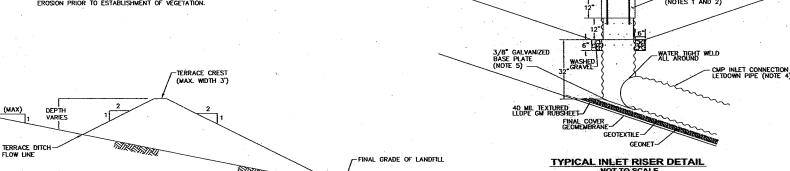


- CONSTRUCT DOWN SLOPE CHANNEL USING RAISED SIDEWALLS ON TOP OF FINAL COVER SYSTEM, SIDEWALL TO BE FILLED A MINIMUM OF 1' ABOVE EXISTING FINISH GRADE.
- 2. ENTIRE DOWN SLOPE CHANNEL AND CHANNEL OUTLET AT PERIMETER DITCH WILL BE LINED WITH RIPRAP OR PERFORMANCE EQUIVALENT MATERIAL.

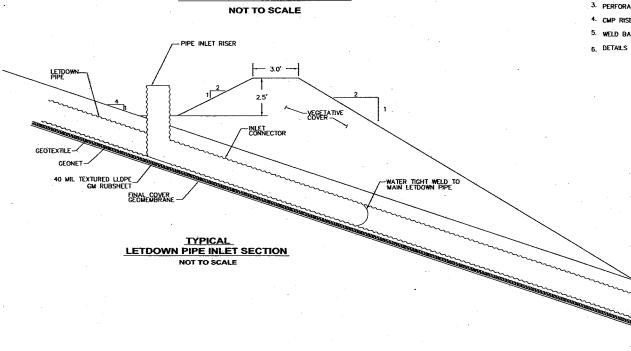


TYPICAL TERRACE DITCH DETAIL NOT TO SCALE

PLACE SOD OR EROSION CONTROL MATERIALS AS NEEDED TO PREVENT EROSION PRIOR TO ESTABLISHMENT OF VEGETATION.



TYPICAL TERRACE BERM DETAIL



TYPICAL INLET RISER DETAIL NOT TO SCALE

- 1. 3/8" GALVANIZED STEEL PLATE, WELDED TO CMP RISER.
- 2. ORIENT ANTIVORTEX PLATE PERPENDICULAR TO FLOW ENTERING THE INLET RISER. 3. PERFORATE RISER WITH 1/4" # HOLES: 12 HOLES PER ROW, ROWS SPACED 6".

-3/8" Ø REBAR TRASH RACK

- 4- CMP RISER INLET AND LETDOWN PIPE DIAMETERS VARY.
- 5. WELD BASE PLATE TO BOTTOM OF RISER TO FORM A WATER TIGHT SEAL.
- 6. DETAILS ARE PRELIMINARY AND ARE SUBJECT TO CHANGE.

VERTICAL BAFFLE PLATE

DESCRIPTION



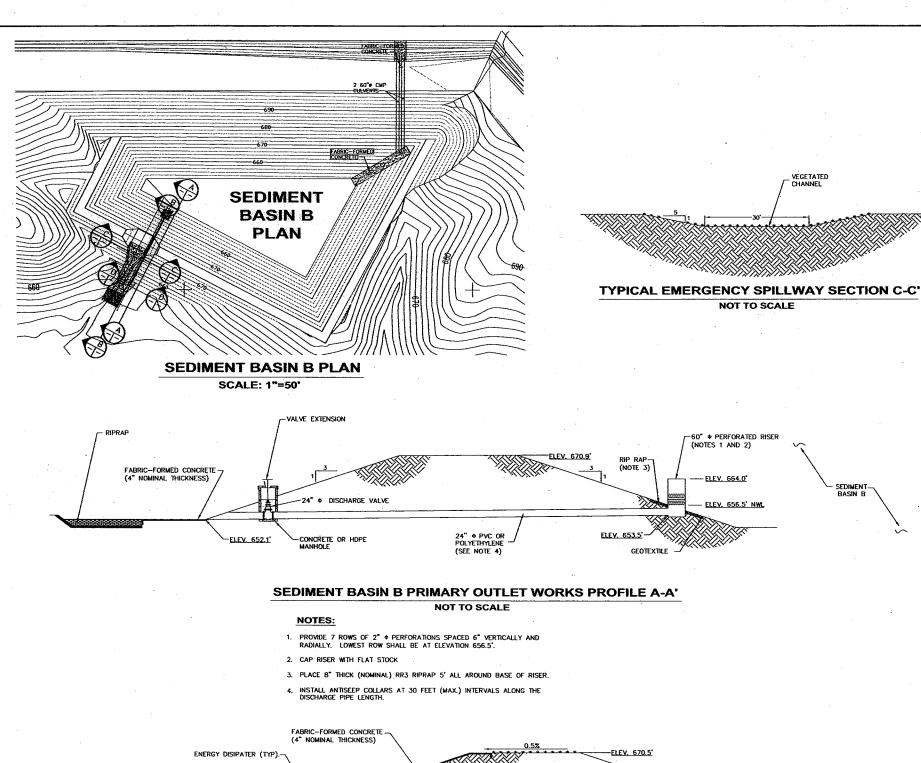
area Clinton Landfill, Inc.

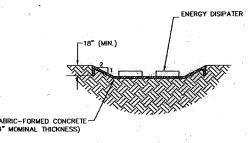


CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT DEWITT COUNTY, ILLINOIS

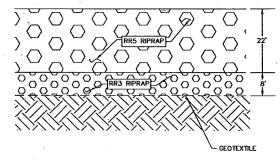
TYPICAL STORMWATER MANAGEMENT SECTIONS AND DETAILS - 1

128017 DATE: OCTOBER 2007 TDS DRAWN BY: **D17** CHECKED BY: DAM APPROVED BY:





OVERFLOW SPILLWAY SECTION D-D' NOT TO SCALE



TYPICAL RIPRAP-LINED CHANNEL DETAIL NOT TO SCALE

NOTE

 EQUIVALENT MATERIALS MAY BE USED UPON APPROVAL OF THE CQA OFFICER.

	BRIC-FORMED CONCRETE NOMINAL THICKNESS) 0.5%	
P).—\	<u> </u>	ELEV. 670.5'
\	<u> </u>	NWt.=656.
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TYPICAL EMERGENCY SPILLWAY PROFILE B-B'
NOT TO SCALE

C. DATE DESCRIPTION Clinton Landfill, Inc.

RIPRAP (SEE TYPICAL SECTION E, THIS DRAWING)



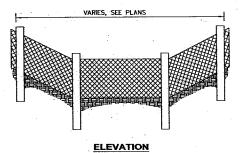
CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT DEWITT COUNTY, ILLINOIS

TYPICAL STORMWATER MANAGEMENT SECTIONS AND DETAILS - 2

PROJ. NO.: 128017 DATE: OCTOBER 2007
DESIGNED BY: JPV
DRAWN BY: TDS
CHECKED BY: JPV
APPROVED BY: DAM 18 OF 22 SHEETS



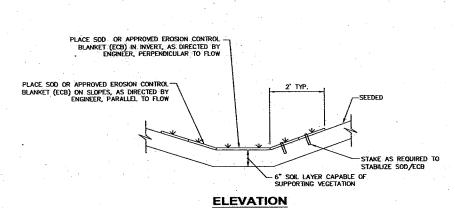
PLAN

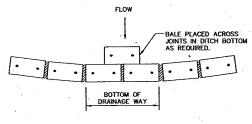


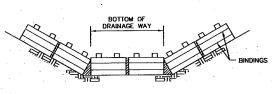
TYPICAL SILT FENCE BARRIER NOT TO SCALE

NOTES:

- STOCKPILES SHALL BE PLACED SO AS TO PREVENT SEDIMENT RUNDET INTO WATERCOURSES OR ONTO ADJACENT ROADWAYS AND PROPERTIES, AND BE SEDED AS NECESSARY, AS A MEANS OF TEMPORARY EROSION CONTROL.
- TEMPORARY SEDIMENT CONTOLS SHALL BE INSTALLED AND MAINTAINED WHERE EARTHWORK OPERATIONS CAUSE OFF-SITE EROSION (OR SEDIMENTATION PROBLEMS. SUCH CONTROLS MAY BE STRAW BALES OR A FILTER FABRIC FENCE.
- FINAL GRADING SHALL BE DONE AS SOON AFTER CONSTRUCTION OF SITE IMPROVEMENTS AS IS REASONABLY POSSIBLE. SEEDING, SODDING OR ANY OTHER SPECIFIED SOIL STABILIZATION MEASURES SHALL BE DONE AS SOON. AS PRACTICABLE AND SEASONABLE AFTER FINAL GRADE IS ESTABLISHED.
- ALL SEDIMENT TRAPS AND CATCH BASINS SHALL BE CLEANED PERIODICALLY TO ALLOW THEM TO OPERATE EFFECTIVELY.
- THE FACILITY'S STORM WATER POLLUTION PREVENTION PLAN WILL SPECIFY PLACEMENT DESIGN, AND FREQUENCY FOR BMPS.

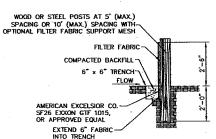




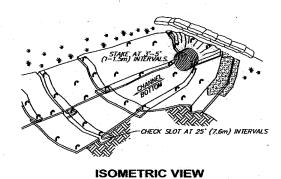


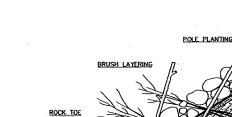
ELEVATION

TYPICAL STRAW BALE BARRIER AT DRAINAGE DITCH NOT TO SCALE



- FILTER BARRIERS SHALL BE PLACED WHERE DIRECTED BY THE COA OFFICER AND SITE MANAGEMENT.
- SEDIMENT TRAPPED BY THE FENCE SHALL BE REMOVED WHENEVER SIGNIFICANT ACCUMULATION OCCURS.
- 3. BARRIERS SHALL BE MAINTAINED IN PLACE UNTIL THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- 4. THE FACILITY'S STORM WATER POLLUTION PREVENTION PLAN WILL SPECIFY PLACEMENT DESIGN, AND FREQUENCY FOR BMPS.

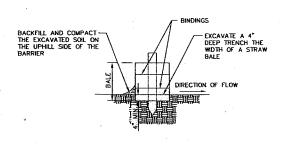




-FILTER LAYER GRADED AGGREGATE AND/OR FILTER FABRIC.

VEGETATED RIPRAP DETAIL NOT TO SCALE

- WILLOW POLE PLANTING AND BRUSH LAYERING SHALL BE INSTALLED DURING BANK GRADING AND RIPRAP PLACEMENT TO ENSURE GOOD CONTACT WITH "NATIVE GROUND" AND SOIL FILL.
- WILLOW POLES AND BRUSH LAYERS SHALL EXTEND DOWN INTO EXPECTED SOIL MOISTURE ZONES (VADOSE).
- 3. CUT SMALL HOLES OR SLITS IN FILTER FABRIC AS NECESSARY.
- 4. PLACE SOIL FILL (COBBLES, GRAVEL, SOIL) AROUND CUTTINGS.
- PLACE RIPRAP CAREFULLY, DO NOT END DUMP. SOME DAMAGE TO BRUSH LAYERS AND WILLOW POLES IS UNAVOIDABLE AND ACCEPTABLE. DEEPLY PLANTED WILLOW MATERIAL WILL RECOVERATE.
- 6. THE FACILITY'S STORM WATER POLLUTION PREVENTION PLAN WILL SPECIFY PLACEMENT DESIGN, AND FREQUENCY FOR BMPS.



STRAW BALE BARRIER NOT TO SCALE

REV. NO. DATE

NOTES:

- ALL STRAW BALES SHALL BE EITHER WIRE—BOUND OR STRING TIED.
 BALES TO BE INSTALLED SO THAT THE BINDINGS ARE ORIENTED AROUND
 THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS, IN ORDER TO
 PREVENT DETERIORATION OF THE BINDINGS.
- 2. EACH BALE TO BE ANCHORED BY AT LEAST TWO STAKES. THE FIRST STAKE IN EACH BALE SHALL BE DIRIVEN TOWARD THE PREVIOUSLY PLACED BALE TO FORCE THE BALES TOGETHER.
- 3. GAPS BETWEEN BALES SHALL BE FILLED WITH STRAW.
- 4. BALES TO BE PLACED 300' ON CENTER IN EXPOSED SWALES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BALES TO REMAIN UNTIL SEEDING IS ESTABLISHED.
- THE FACILITY'S STORM WATER POLLUTION PREVENTION PLAN WILL SPECIFY PLACEMENT DESIGN, AND FREQUENCY FOR BMPS.



area Clinton Landfill, Inc.



CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNI **DEWITT COUNTY, ILLINOIS**

TYPICAL EROSION CONTROL DETAILS

IT	PROJ. NO.:	128017	
••	DESIGNED BY:	JPV	1
	DRAWN BY:	TDS	
	CHECKED BY:	JPV	
	APPROVED BY:	DAM	

DATE: OCTOBER 2007 DRAWING NO. 19 OF 22 SHEETS

-FIBER ROLL

WILLOW WATTLE, OR FASCINE

SILT FENCE SECTION NOT TO SCALE

DITCH EROSION CONTROL DETAIL NOT TO SCALE

- NOTES: SOD OR EQUIVALENT SEEDING EROSION CONTROL BLANKET PRODUCT TO BE USED IN PERIMETER DITCH IF VEGETATIVE GROWTH CANNOT BE ESTABLISHED THROUGH SEEDING.
- 2. THE FACILITY'S STORM WATER POLLUTION PREVENTION PLAN WILL SPECIFY PLACEMENT DESIGN, AND FREQUENCY FOR BMPS.

