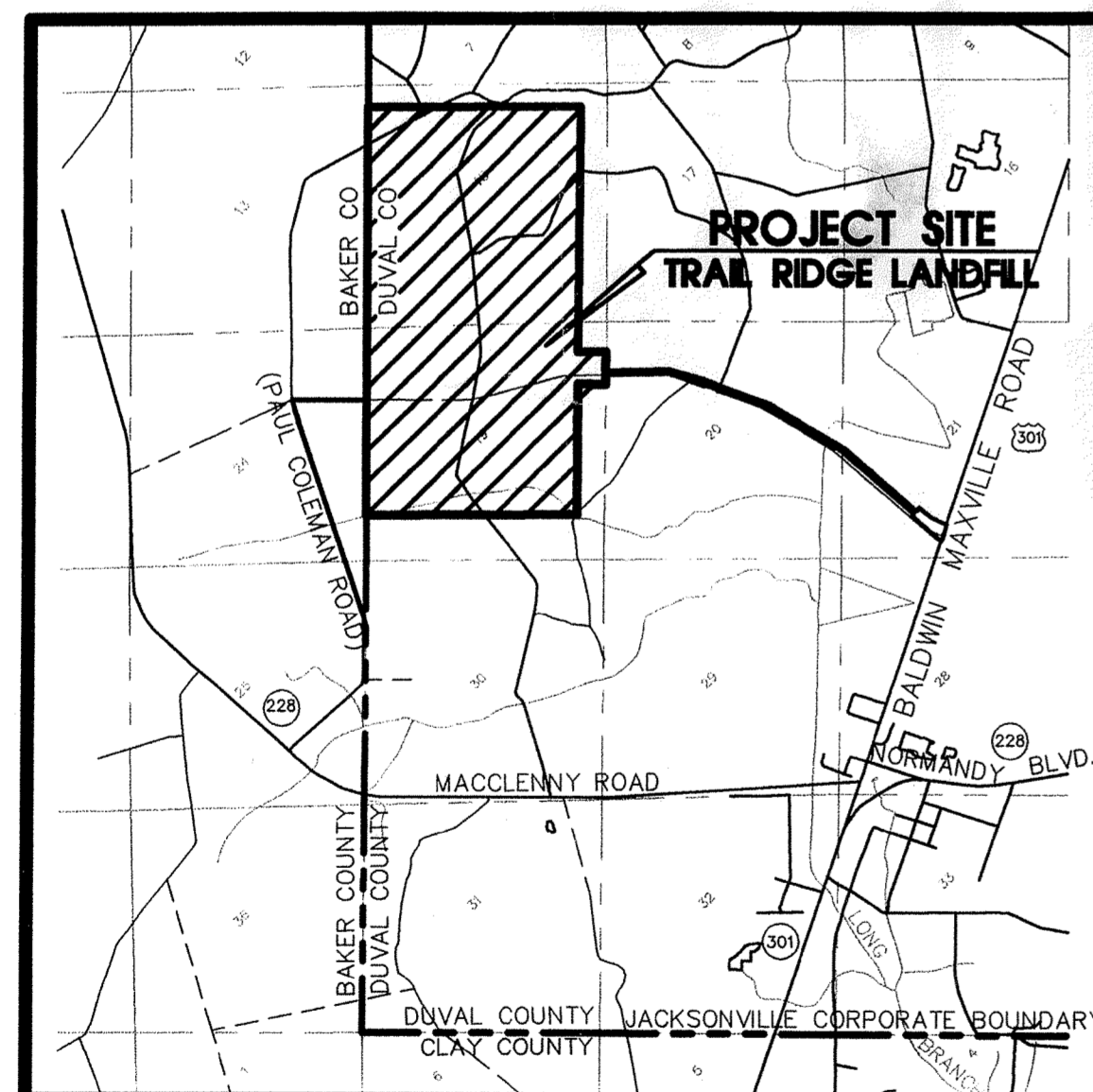


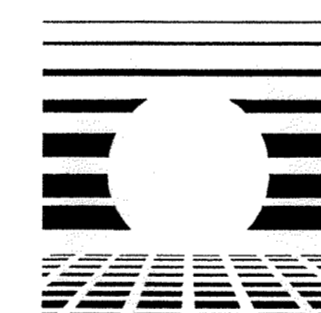
# TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL FOR

## WM<sup>®</sup> WASTE MANAGEMENT

### TRAIL RIDGE LANDFILL, INC. DUVAL COUNTY, FLORIDA



VICINITY MAP



## England-Thimny & Miller, Inc.

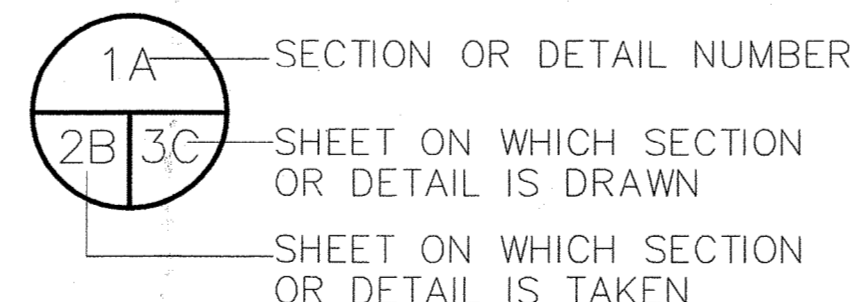
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS

14775 ST. AUGUSTINE ROAD - JACKSONVILLE, FLORIDA 32258

PHONE NUMBER (904) 642-8990

CERTIFICATE OF AUTHORIZATION NUMBER: 2584

#### SECTION OR DETAIL SYMBOL



PROJECT NUMBER E 07-044-01

REVISED DATE: OCTOBER 15, 2008

DRAWING INDEX	
SHEET NO.	SHEET TITLE
1	COVER SHEET
2	AERIAL PHOTOGRAPH
3	MONITORING WELL SURVEY
4	SITE PLAN
5	EXISTING TOPOGRAPHY
6	BASE GRADING PLAN
7	BOTTOM LINER PHASING PLAN
8	MASTER DRAINAGE PLAN
9	FINAL CONTOUR PLAN
9A	GAS COLLECTION SYSTEM PLAN
10	CROSS SECTIONS
11	FILL PHASING PLAN
12	FILL PHASING PLAN
13	FILL PHASING PLAN
14	FILL PHASING PLAN
15	FILL PHASING PLAN
16	ANCHOR TRENCH AND LINER DETAILS
17	LEACHATE TRENCH AND SUMP DETAILS
18	LEACHATE SUMP AND VAULT BOX DETAILS
19	CONTAINMENT AREA DETAILS
20	CLOSURE DETAILS
21	CLOSURE DETAILS
22	SEDIMENT AND EROSION CONTROL DETAILS
23	STORM WATER POLLUTION PREVENTION PLAN

#### NOTE:

THIS PLAN HAS NOT BEEN UPDATED SINCE THE SECOND PERMIT RENEWAL. GENERAL REVISIONS ARE LIMITED TO MINOR ADJUSTMENTS TO TEXT SIZE AND LOCATION AS WELL AS UPDATES TO THE BORDER AND LOGO.

PERMIT DOCUMENT

RELEASED FOR REGULATORY REVIEW: OCTOBER 15, 2008

PLANS PREPARED UNDER THE  
DIRECTION OF:

REVISIONS:  
9-15-08 GENERAL REVISIONS.

ETM NO. E 07-044-01  
DRAWN BY: D. McConie

DESIGNED BY: J. Clem

CHECKED BY: J. Clem

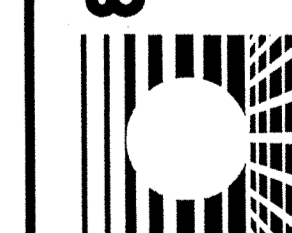
DATE: September 25, 2002

COVER SHEET

TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL  
FOR  
TRAIL RIDGE LANDFILL, INC.

England-Thimny & Miller, Inc.  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER: 2584

PHONE NUMBER (904) 642-8990 FAX NUMBER (904) 646-9465

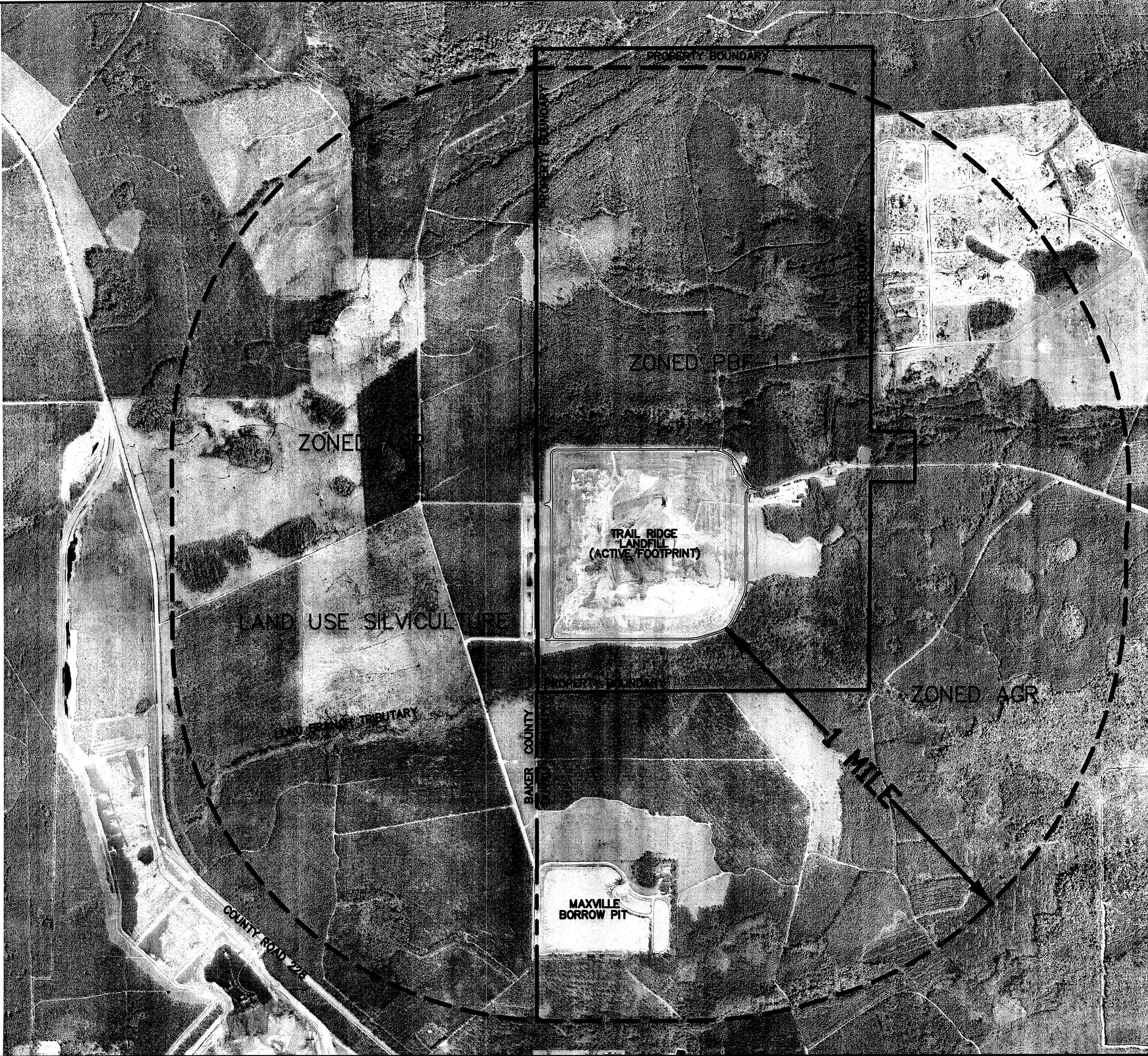


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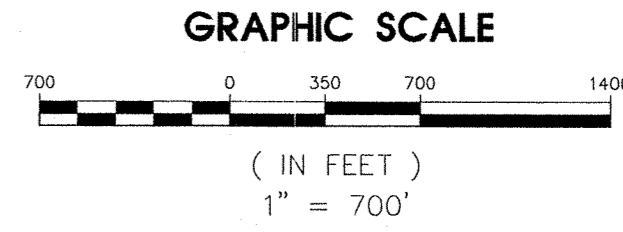
1

COVER SHEET NO. 1

OCULUS  
Initials *SM*  
Date *10-20-08*



**NOTE:**  
AERIAL PHOTOGRAPH PROVIDED BY AERIALS EXPRESS  
DATE OF PHOTOGRAPH: FEBRUARY, 2008



*Inserted*  
OCULUS  
Initials *SC*  
Date *10-28-08*

PERMIT DOCUMENT

**England, Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32256  
CERTIFICATE OF AUTHORIZATION NUMBER 2664  
PHONE NUMBER (904) 642-8880 FAX NUMBER (904) 646-9465

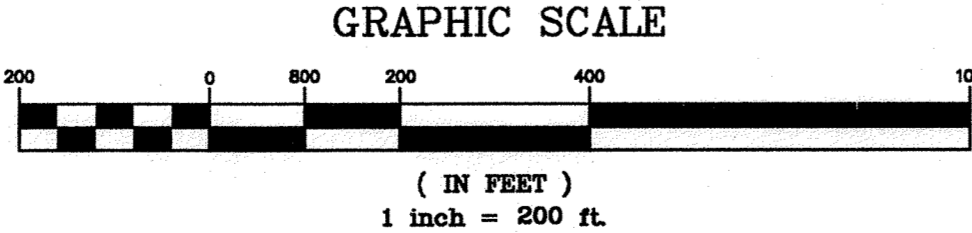
**AERIAL PHOTOGRAPH**  
**TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL**  
**FOR**  
**TRAIL RIDGE LANDFILL, INC.**

ETW NO. E 07-044-01  
DRAWN BY: D. McCrete  
DESIGNED BY: J. Clem  
CHECKED BY: J. Clem  
DATE: September 25, 2002  
REVISIONS  
RE-08-08 UPDATED  
9-15-08 GENERAL REVISIONS  
PLANS PREPARED UNDER THE  
DIRECTION OF:  
*Juanita Bader*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245


## SPECIFIC PURPOSE SURVEY

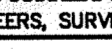
TO SHOW STATE PLANE AND LOCAL COORDINATES

ON MONITORING WELLS WITHIN TRAIL RIDGE LANDFILL  
BEING A PORTION OF SECTION 19, TOWNSHIP 3 SOUTH, RANGE 23 EAST,  
JACKSONVILLE, DUVAL COUNTY, FLORIDA

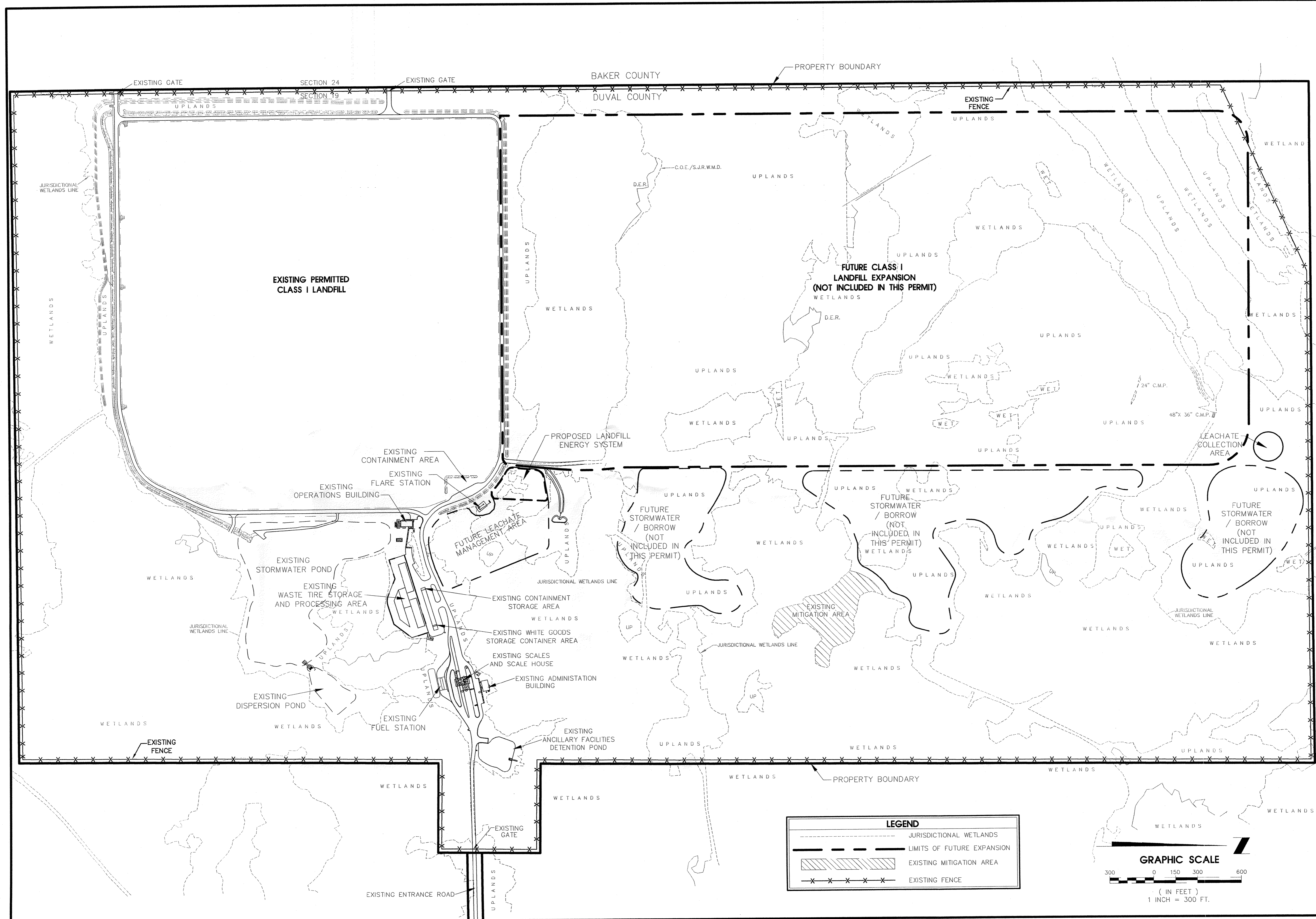


NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

 **Robert M. Angas Associates, inc.**  
LAND SURVEYORS, PLANNERS AND CIVIL ENGINEERS SINCE 1924  
14775 St. Augustine Road, Jacksonville, FL 32258 Tel: (904) 642-8550  
Certificate of Authorization No.: LB 3624

<h2 style="margin: 0;">FORMERLY SUNSHINE STATE SURVEYORS, INC.</h2> <p style="margin: 0;">ENGINEERS, SURVEYORS &amp; LAND PLANNERS     3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32216</p>	
	<p style="margin: 0;"><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>● CONC. MON. FOUND.</li> <li>● CONC. MON. (SET)</li> <li>— IRON CORNER (SET)</li> <li>— FENCE</li> <li>● CORNER (FOUND)</li> <li>— CROSS CUT</li> </ul>
<p style="margin: 0;"><b>THAT CERTIFICATE THAT THE SURVEY REPRESENTED HEREON IS TRUE AND ACCURATE, THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THERE ARE NO ENCROACHMENTS, EXCEPT AS SHOWN, AND MEETS THE HIGHEST TECHNICAL STANDARDS, AS SET FORTH IN CHAPTER 465, F.A.C.</b></p> <p style="margin: 0;">NOTE: NOT VALID WITHOUT RASSED, EMBOSSED SEAL.</p> <p style="margin: 0; text-align: right;">ARTHUR A. MASTRONICOLA JR.</p>	
<p style="margin: 0;">SCALE: 1" = 200'</p> <p style="margin: 0;">DATE: APRIL 23, 1992</p>	<p style="margin: 0;">REGISTERED SURVEYOR, NO. 4166, FLORIDA</p>
<p style="margin: 0;">FIELD BOOK NO. 339/75-78; 363/2-5</p> <p style="margin: 0;">DRAWN BY J.L.R.</p> <p style="margin: 0;">CHECKED BY R.S.C.</p>	
<p style="margin: 0; text-align: center;">R - 23 - E</p>	
<p style="margin: 0;">ORDER NO. 592-205</p> <p style="margin: 0;">FILE NO. 920-5246</p>	

Inserted  
OCULUS  
Initials SG  
Date 10-28-08



PLANS PREPARED UNDER THE DIRECTION OF:  
*[Signature]*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245

REVISIONS:  
8-10-02 REVISED TO SHOW EXISTING  
2-14-03 ADDED CONTAINMENT STORAGE AND  
1-25-04 WHITE GOODS STORAGE AREA  
9-15-08 REVISED FUTURE EXPANSION AREA

ETM NO. E 07-044-01  
DRAWN BY: S. Lockwood  
DESIGNED BY: J. Clem  
CHECKED BY: J. Clem  
DATE: September 25, 2002

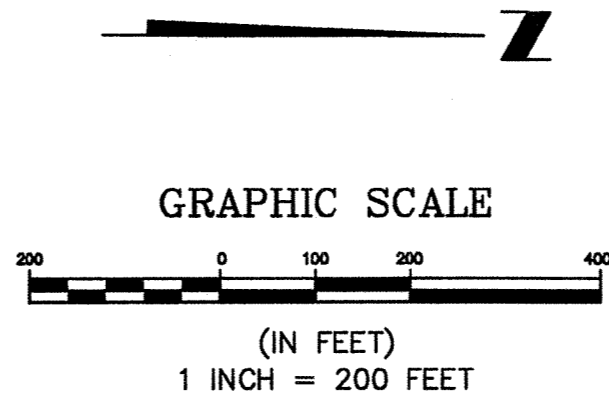
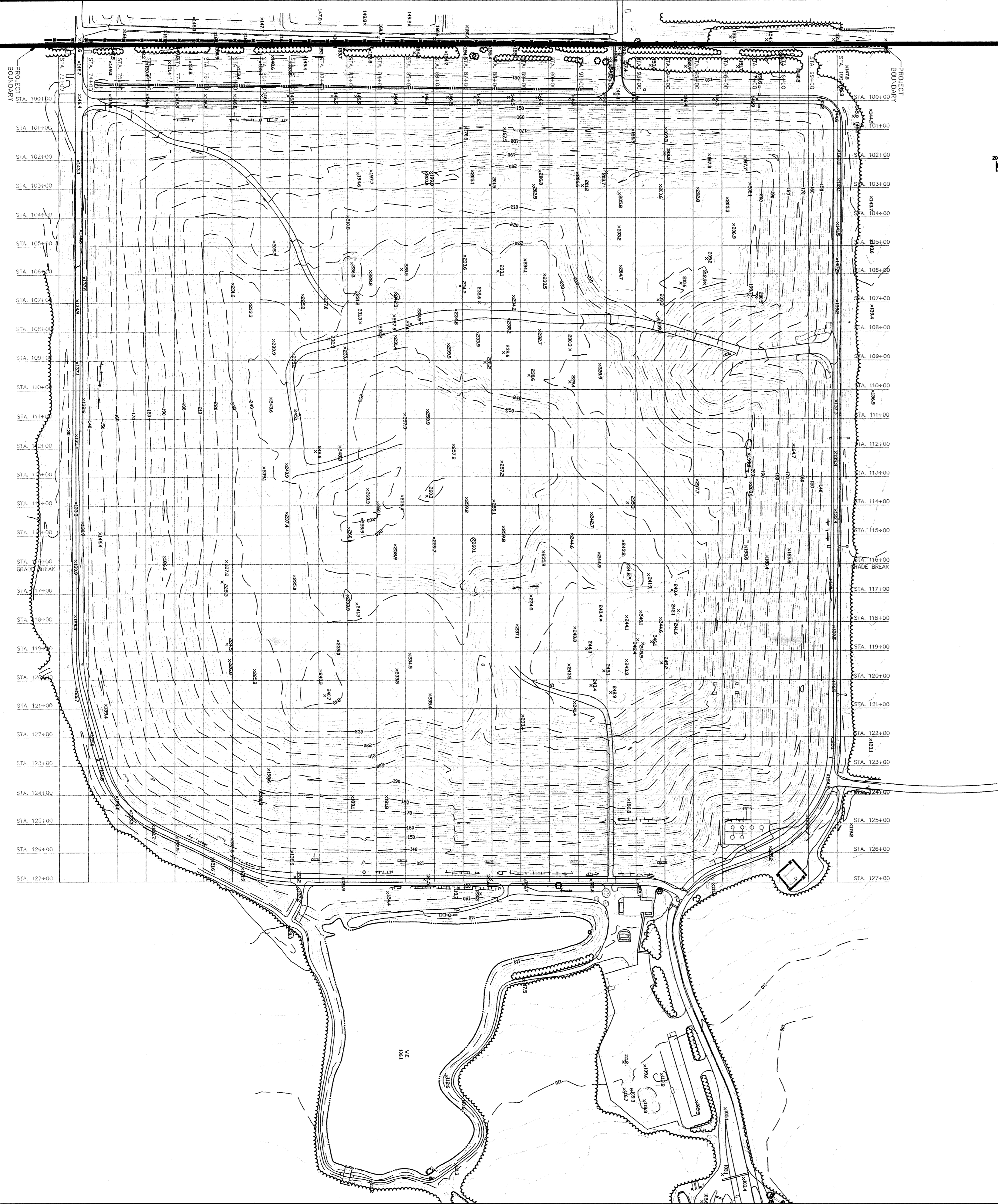
SITE PLAN

TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL  
FOR  
TRAIL RIDGE LANDFILL, INC.

**England-Thimms & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14776 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32256  
CERTIFICATE OF AUTHORIZATION NUMBER: 2594  
PHONE NUMBER (904) 842-8990 FAX NUMBER (904) 842-9485

DRAWING NO.  
**4**

*inserted*  
OCULUS  
Initials *SC*  
Date *10-28-08*



**NOTES:**  
1. TOPOGRAPHIC INFORMATION SHOWN HEREON TAKEN FROM AERIAL TOPOGRAPHY PREPARED BY AIR SURVEY CORP.; MAP DATED 2-2-08. AIR SURVEY CORP. PROJECT NO. 7107080116.  
2. VERTICAL DATUM BASED ON NGVD 1929.

*Initialed*  
**OCULUS**  
Initials *sc*  
Date *10-28-08*

**PERMIT DOCUMENT**

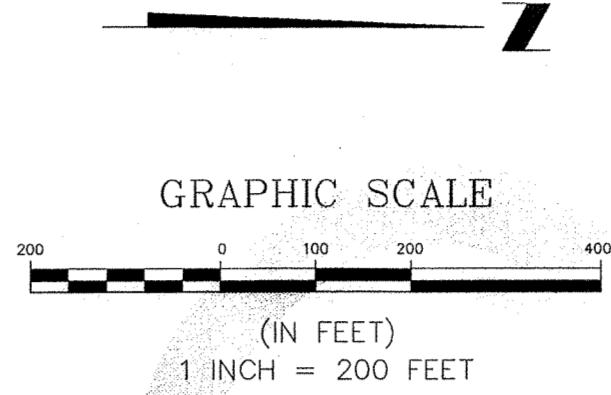
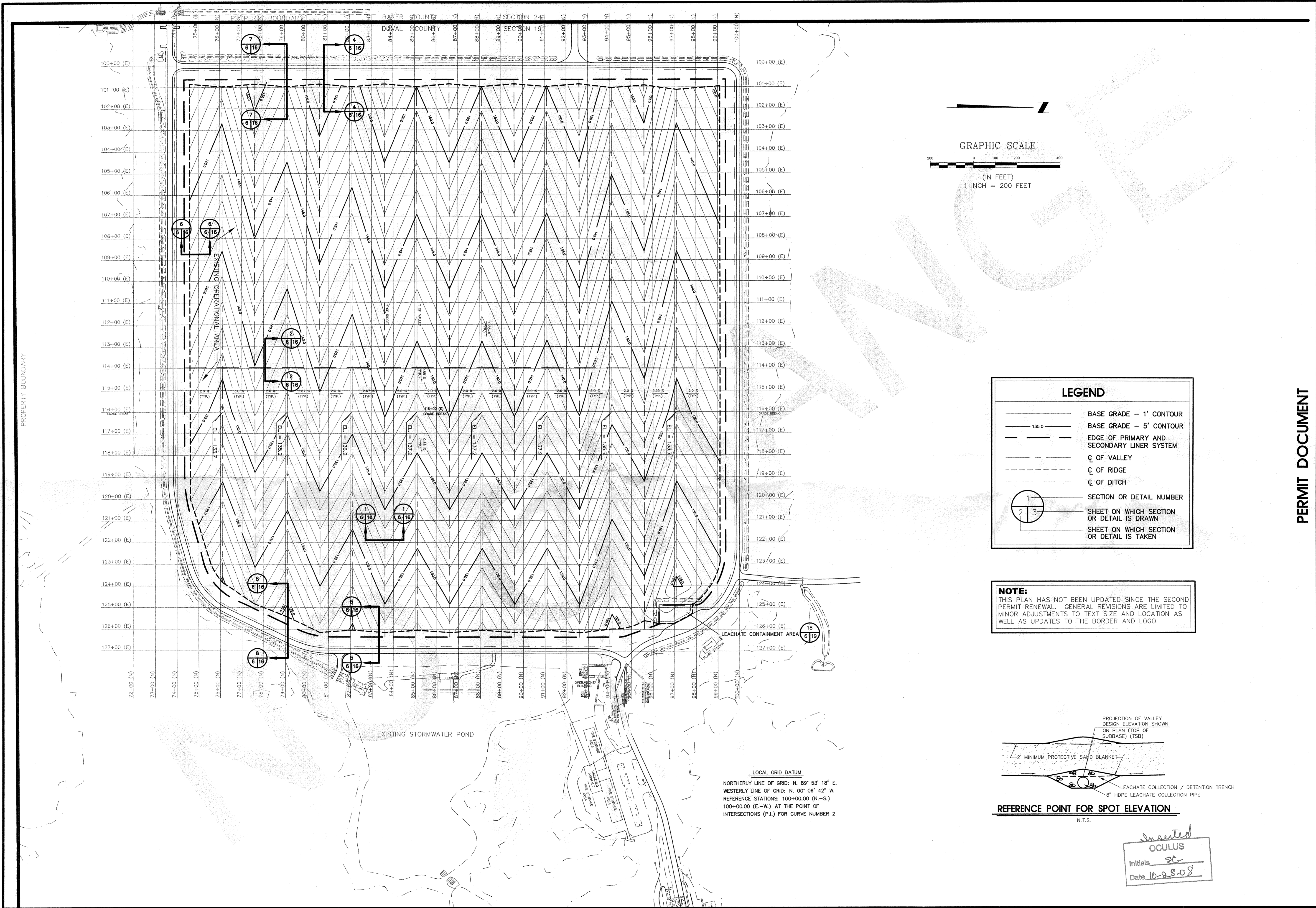
PLANS PREPARED UNDER THE  
DIRECTION OF:  
*Juanita Bader*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245  
10/15/08  
Plotted: Oct 14, 2008 - 1:07pm, By: mcorcoran

REVISIONS  
9-15-08 UPDATED AERIAL TOPO.  
ETM NO. E 07-044-01  
DRAWN BY: D. Bright  
DESIGNED BY: J. Clem  
CHECKED BY: J. Clem  
DATE: September 25, 2002

**EXISTING TOPOGRAPHY**  
**TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL**  
**FOR**  
**TRAIL RIDGE LANDFILL, INC.**

**England-Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER 2584  
PHONE NUMBER (904) 642-8980 FAX NUMBER (904) 646-9485

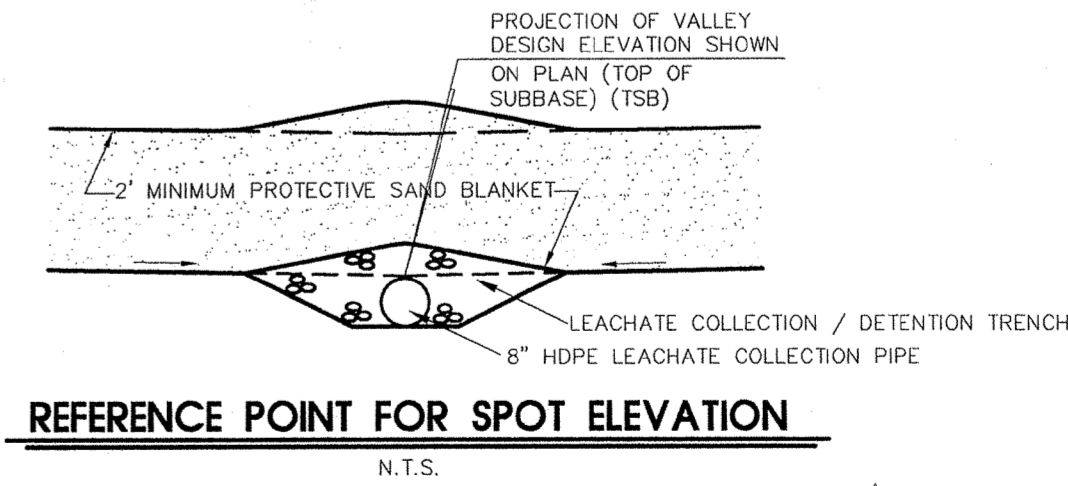
DRAWING NO.  
**5**



**LEGEND**

- BASE GRADE - 1' CONTOUR
- - - BASE GRADE - 5' CONTOUR
- - - EDGE OF PRIMARY AND SECONDARY LINER SYSTEM
- $\phi$  OF VALLEY
- - -  $\phi$  OF RIDGE
- - -  $\phi$  OF DITCH
- 1  
2 3 SECTION OR DETAIL NUMBER
- 1 2 3 SHEET ON WHICH SECTION OR DETAIL IS DRAWN
- 1 2 3 SHEET ON WHICH SECTION OR DETAIL IS TAKEN

**NOTE:**  
THIS PLAN HAS NOT BEEN UPDATED SINCE THE SECOND PERMIT RENEWAL. GENERAL REVISIONS ARE LIMITED TO MINOR ADJUSTMENTS TO TEXT SIZE AND LOCATION AS WELL AS UPDATES TO THE BORDER AND LOGO.

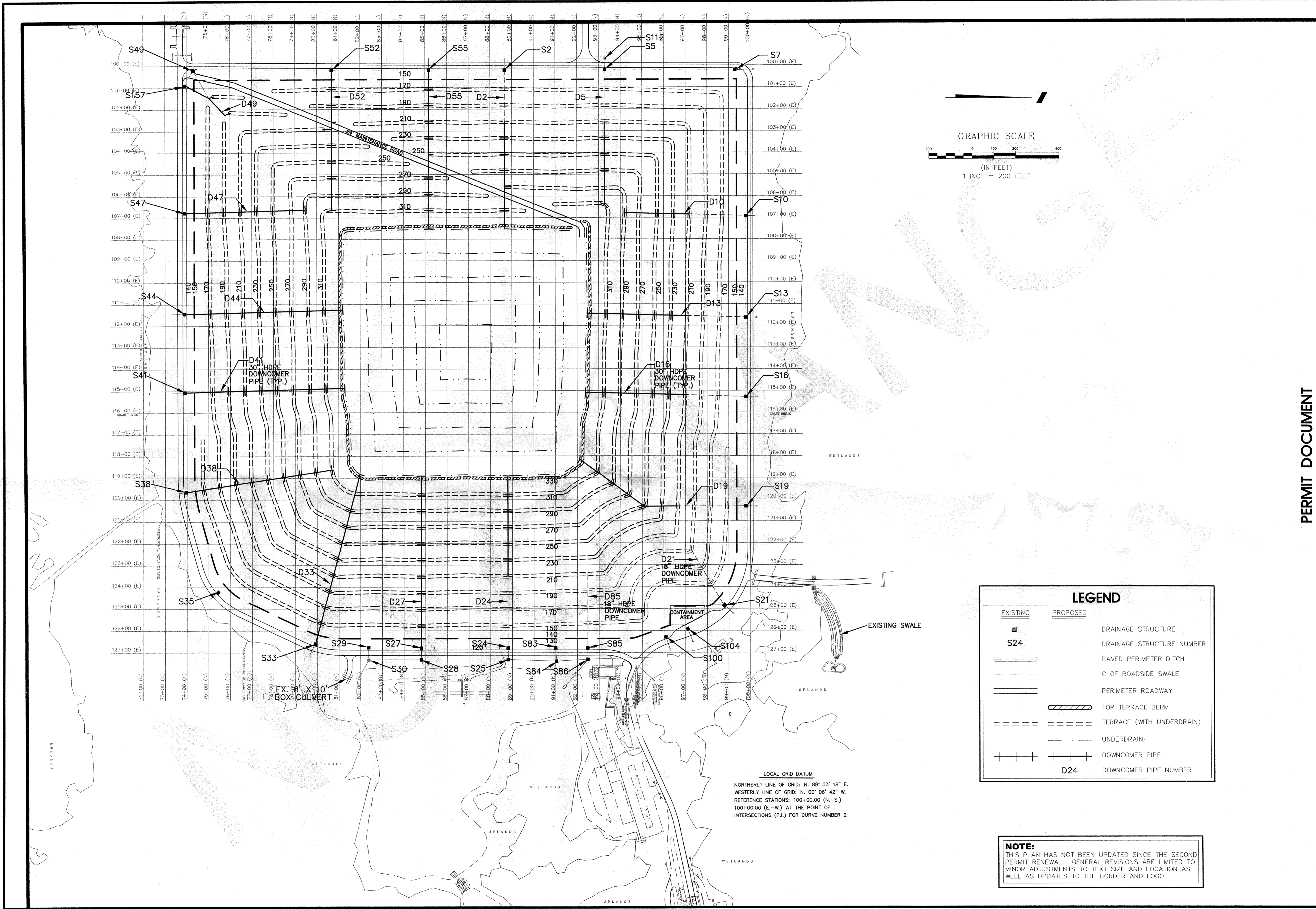


Inserted  
OCULUS  
Initials SC  
Date 10-28-08

PERMIT DOCUMENT

PLANS PREPARED UNDER THE DIRECTION OF: <i>Juanita Bader</i> JUANITA BADER, CLEM, P.E. P.E. NO. 43245	
REVISIONS: 9-15-08 GENERAL REVISIONS	
ETM NO. E 07-044-01	DATE: September 25, 2002
DRAWN BY: S. Lockwood	DESIGNED BY: J. Clem
CHECKED BY: J. Clem	
BASE GRADING PLAN	
TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL FOR TRAIL RIDGE LANDFILL, INC.	
<b>England-Thims &amp; Miller, Inc.</b> ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS 14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258 CERTIFICATE OF AUTHORIZATION NUMBER 2584 PHONE NUMBER (904) 642-8890 FAX NUMBER (904) 646-9485	
DRAWING NO. 6	





PERMIT DOCUMENT

MASTER DRAINAGE PLAN  
FOR  
TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL  
FOR  
TRAIL RIDGE LANDFILL, INC.

England-Thims & Miller, Inc.  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER 2584  
PHONE NUMBER (904) 642-8990 FAX NUMBER (904) 646-9495

DRAWING NO.

8

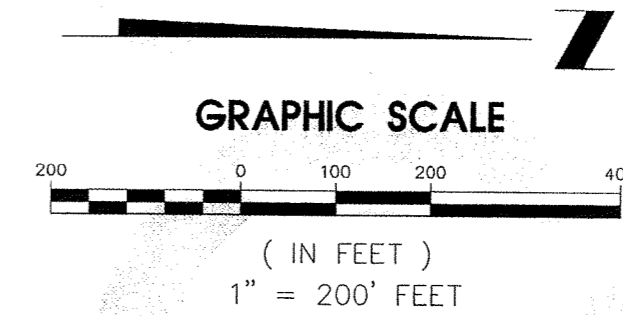
PLANS PREPARED UNDER THE  
DIRECTION OF:  
*Juanita Bader Clem*  
JUANITA BADER CLEM, P.E.  
P.E. NO. 43245

REVISIONS:  
06-09-02 SHIFTS DOWNCOMER D27 20 FT.  
06-09-02 AND MODIFIED DOWNCOMER D49.  
9-15-08 GENERAL REVISIONS.


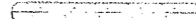
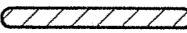
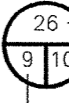
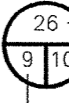

ETM NO. E 07-044-01  
DRAWN BY: S. Williams  
DESIGNED BY: J. Williams  
CHECKED BY: J. Clem  
DATE: September 25, 2002

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Inserted  
OCULUS  
Initials SG  
Date 10-28-08



# LEGEND

<u>EXISTING</u>	<u>PROPOSED</u>	
— 150 —	— 150 —	PROPOSED FINAL CONTOUR
		DRAINAGE STRUCTURE
		PAVED PERIMETER DITCH
- - - - -		℄ OF ROADSIDE SWALE
=====		PERIMETER ROADWAY
- - - - -		TOP TERRACE BERM
- - - - -	- - - - -	TERRACE (WITH UNDERDRAIN)
		℄ TERRACE SPOT ELEVATION
		SECTION OR DETAIL NUMBER SHEET ON WHICH SECTION OR DETAIL IS DRAWN
		SHEET ON WHICH SECTION OR DETAIL IS TAKEN

**NOTE:**  
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**PERMIT DOCUMENT**

**FINAL CONTOUR PLAN**

**TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL**  
**FOR**  
**TRAIL RIDGE LANDFILL, INC.**

**England-Thimly & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
◀ CERTIFICATE OF AUTHORIZATION NUMBER: 2584  
PHONE NUMBER (904) 642-8990 FAX NUMBER (904) 646-9485

DRAWING NO.

9

PLANS PREPARED UNDER THE  
DIRECTION OF:

DIRECTION OF: *Chavitta Clem*  
*Bader*  
*10/15/08*

REVISIONS:  
08-08-02 REVISED TERRACE ELEVATIONS  
BETWEEN DOWNCOMERS AT SE  
CORNER.  
9-15-08 GENERAL REVISIONS.

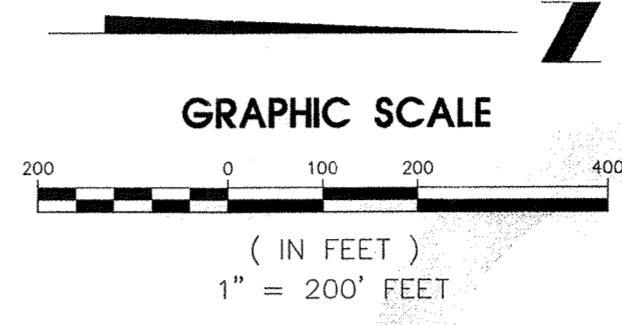
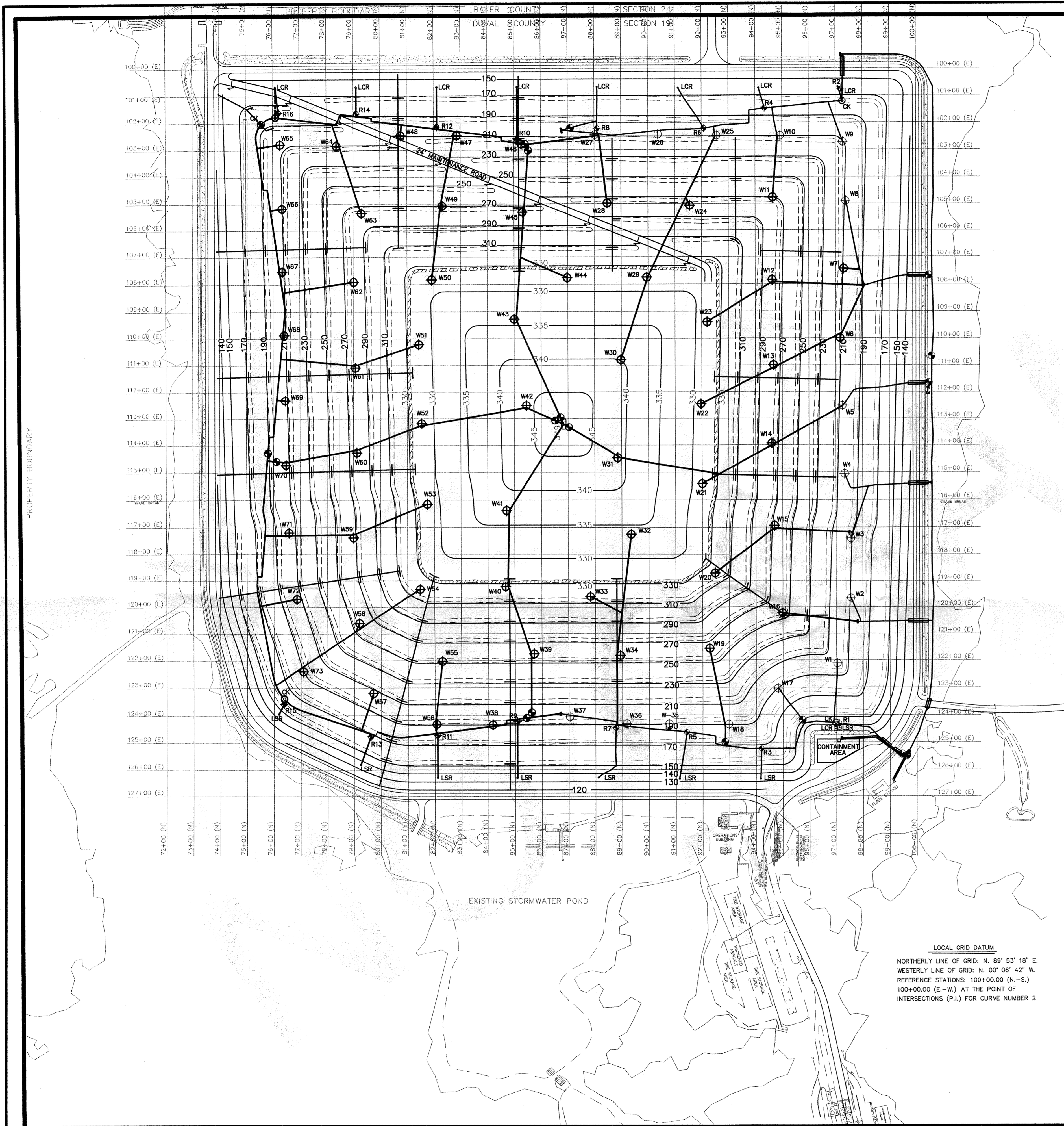
ETM NO. E 07-044-01
DRAWN BY: S. Lockwood
DESIGNED BY: J. Clem
CHECKED BY: J. Clem
DATE: September 25, 2002

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Plotted: Oct 14, 2008 - 3:07pm, By: mccronied

Inserted  
OCULUS  
Initials SG  
Date 10-28-08

DEP003373



LEGEND	
EXISTING	PROPOSED
150	150
PAVED PERIMETER DITCH	PROPOSED FINAL CONTOUR
PERIMETER ROADWAY	PAVED PERIMETER DITCH
TOP TERRACE BERM	PERIMETER ROADWAY
TERRACE	TOP TERRACE BERM
GAS HEADER	TERRACE
W28	GAS HEADER
R2	GAS COLLECTION WELL
CK	REMOTE WELLHEAD LOCATION
	UNDERGROUND CONTROL VALVE
	CONDENSATE KNOCKOUT

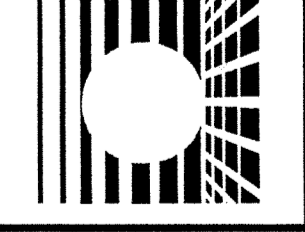
**NOTE:**  
THIS PLAN HAS NOT BEEN UPDATED SINCE THE SECOND PERMIT RENEWAL. GENERAL REVISIONS ARE LIMITED TO MINOR ADJUSTMENTS TO TEXT SIZE AND LOCATION AS WELL AS UPDATES TO THE BORDER AND LOGO.

**NOTES:**  
1. LOCATION OF PROPOSED GAS COLLECTION WELLS AND GAS HEADERS WERE BASED UPON GAS MANAGEMENT PLAN PREPARED BY RUST ENVIRONMENT & INFRASTRUCTURE DATED OCTOBER 3, 1997.  
2. LOCATION OF EXISTING GAS COLLECTION WELLS, GAS HEADERS AND FLARE STATION WERE BASED UPON RECORD CONSTRUCTION DRAWINGS PROVIDED BY WASTE ENERGY TECHNOLOGY, INC. DATED FEBRUARY 19, 1999 AND HARLO G. EVERETT, JR. DATED JUNE 18, 2002.

PERMIT DOCUMENT

GAS COLLECTION SYSTEM PLAN  
TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL  
FOR  
TRAIL RIDGE LANDFILL, INC.

England-Thims & Miller, Inc.  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32256  
CERTIFICATE OF AUTHORIZATION NUMBER: 9584  
PHONE NUMBER (904) 642-6990 FAX NUMBER (904) 646-9405



DRAWING NO.

9A

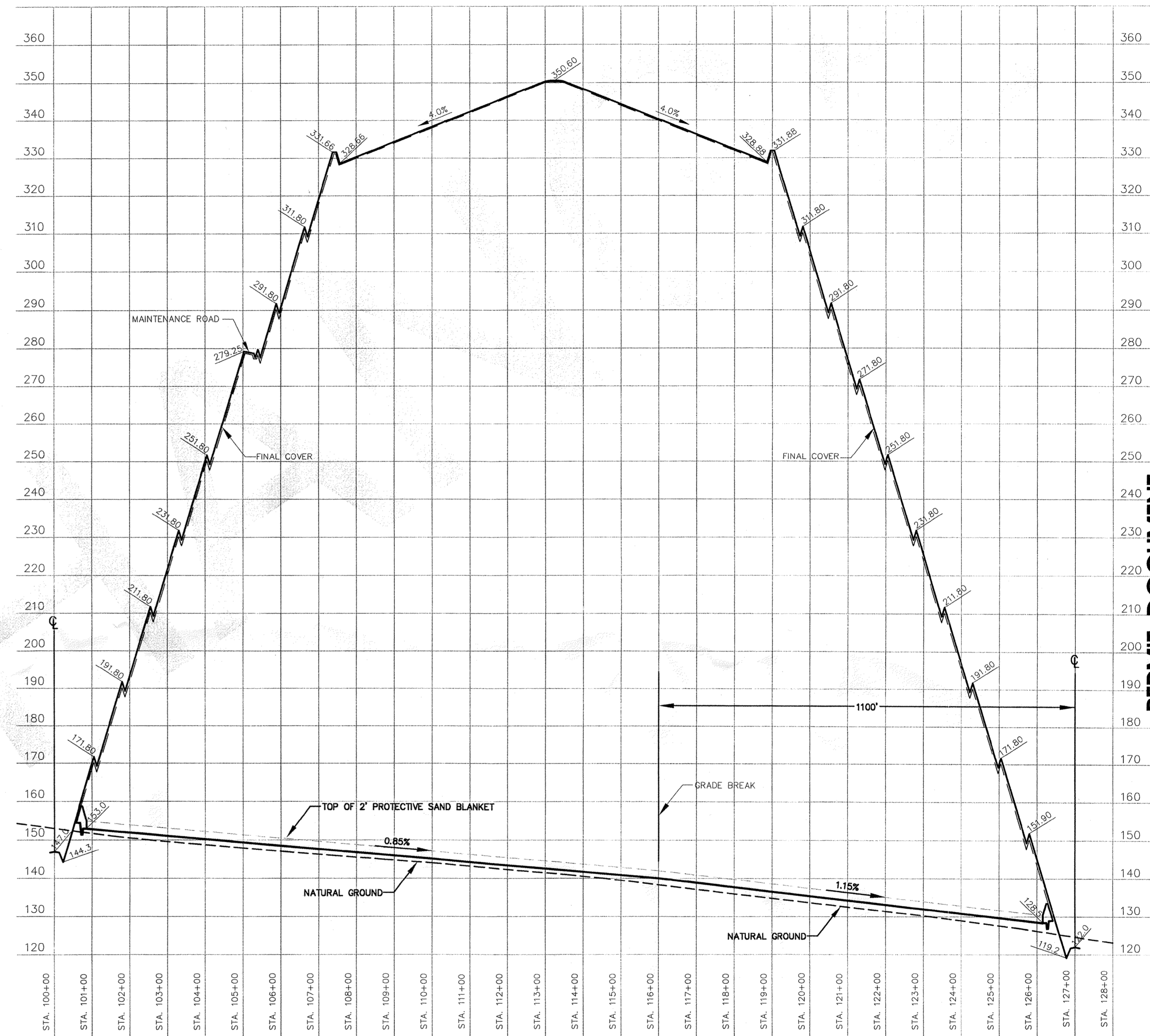
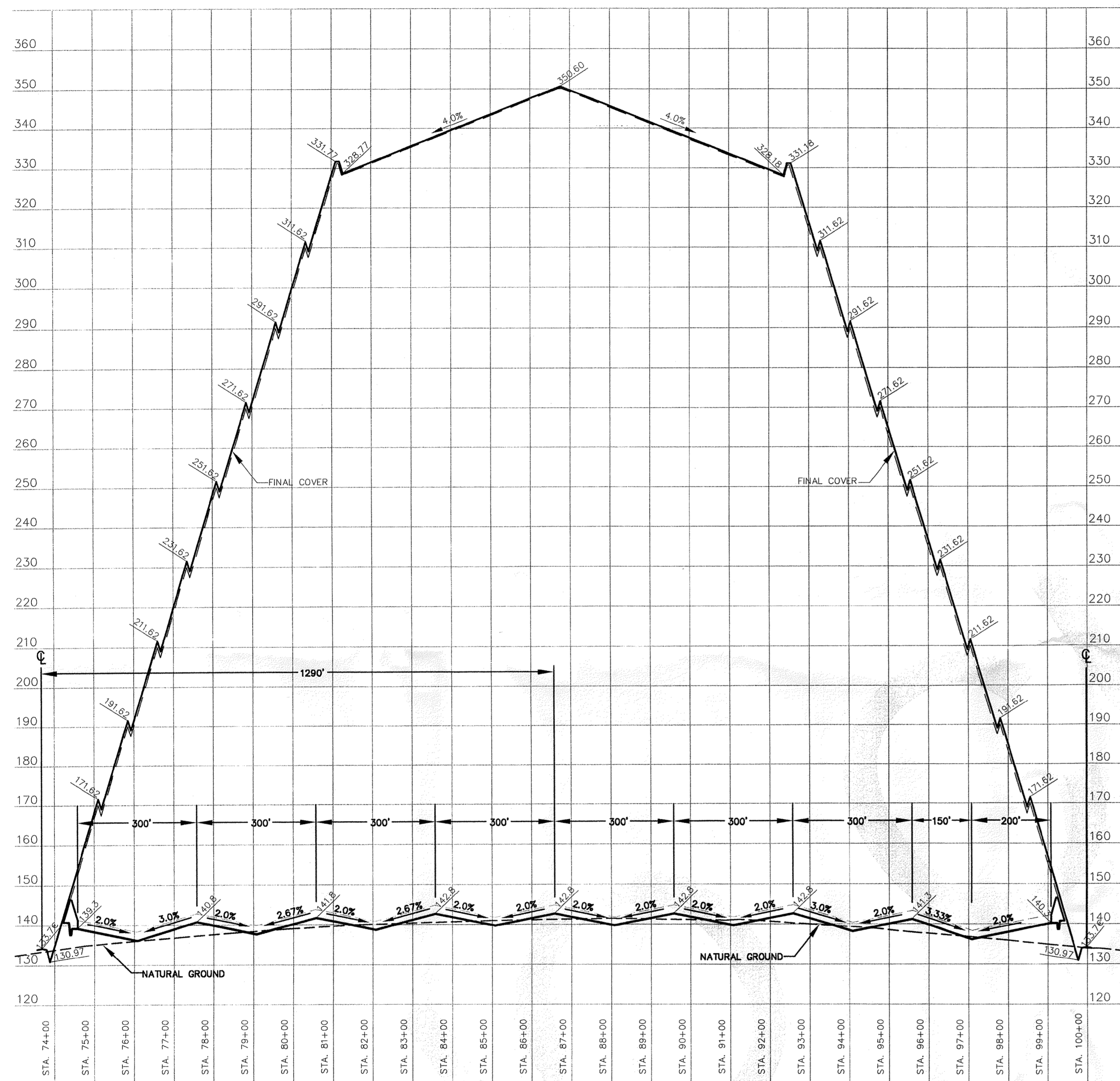
PLANS PREPARED UNDER THE DIRECTION OF:

Juanita Bader  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245

REVISIONS:

ETM NO. E 07-044-01
DRAWN BY: S. Lockwood
DESIGNED BY: J. Clem
CHECKED BY: J. Clem
DATE: September 25, 2002

Initials *SA*  
Date *10-28-08*



**NOTE:**  
THIS PLAN HAS NOT BEEN UPDATED SINCE THE SECOND PERMIT RENEWAL. GENERAL REVISIONS ARE LIMITED TO MINOR ADJUSTMENTS TO TEXT SIZE AND LOCATION AS WELL AS UPDATES TO THE BORDER AND LOGO.

**England-Thimby & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER. 2594  
PHONE NUMBER (904) 642-8990 FAX NUMBER (904) 646-9485

## CROSS SECTIONS

**TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL  
FOR  
TRAIL RIDGE LANDFILL, INC.**

PERMIT DOCUMENT

REVISIONS:  
8-15-08 GENERAL REVISIONS

ETM NO. E 07-044-01

DRAWN BY: S. Lockwood

DESIGNED BY: J. Clem

CHECKED BY: J. Clem

DATE: September 25, 2002

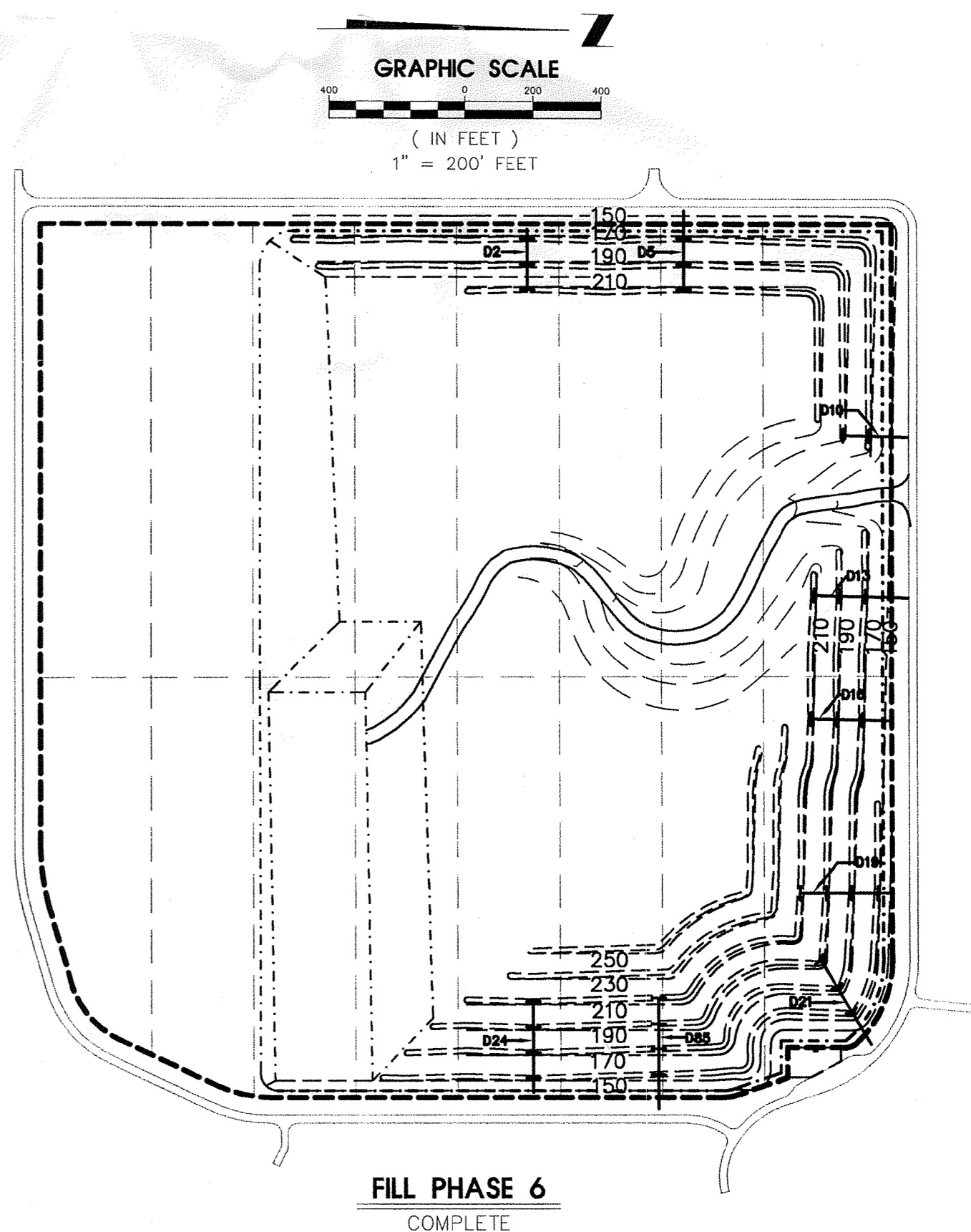
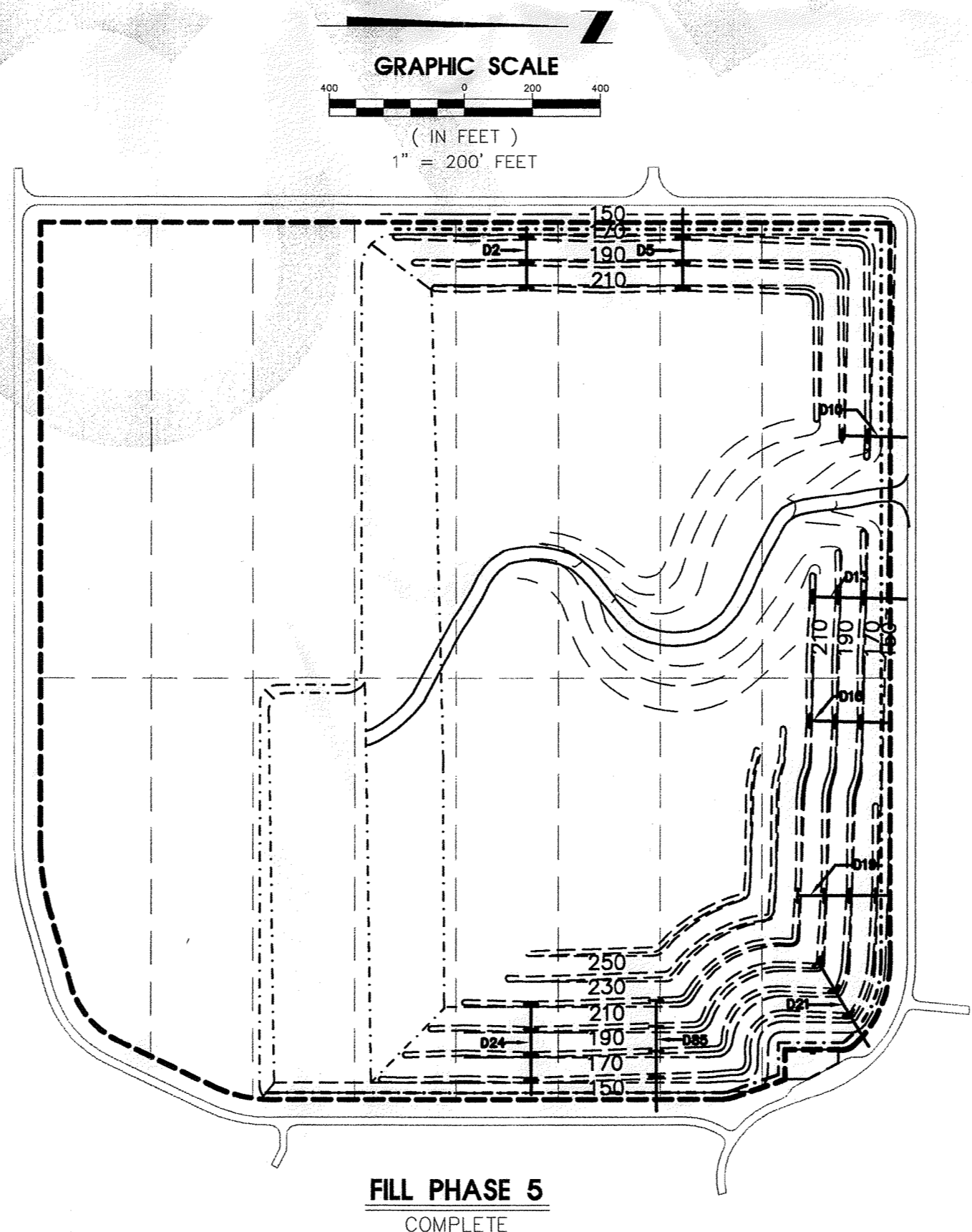
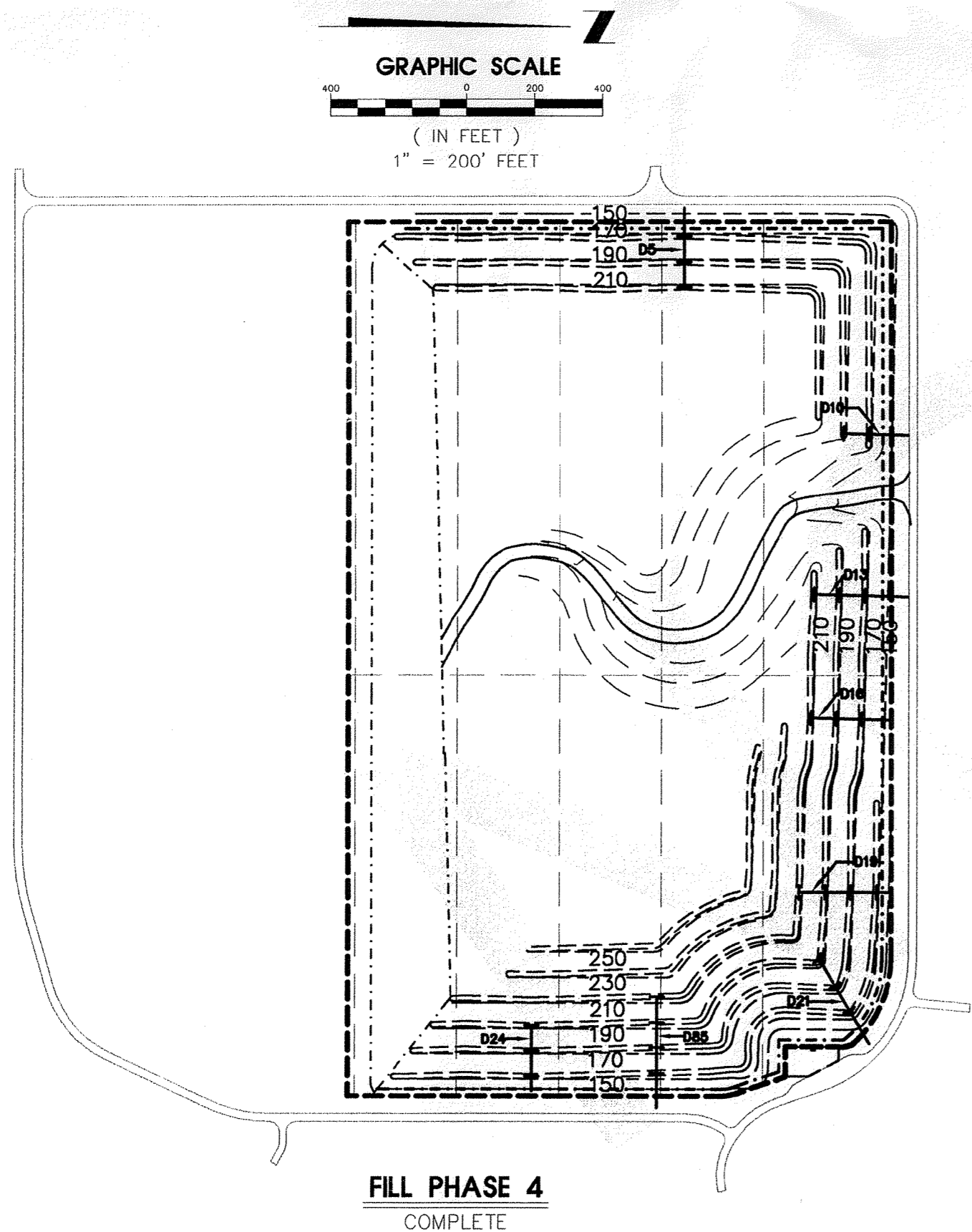
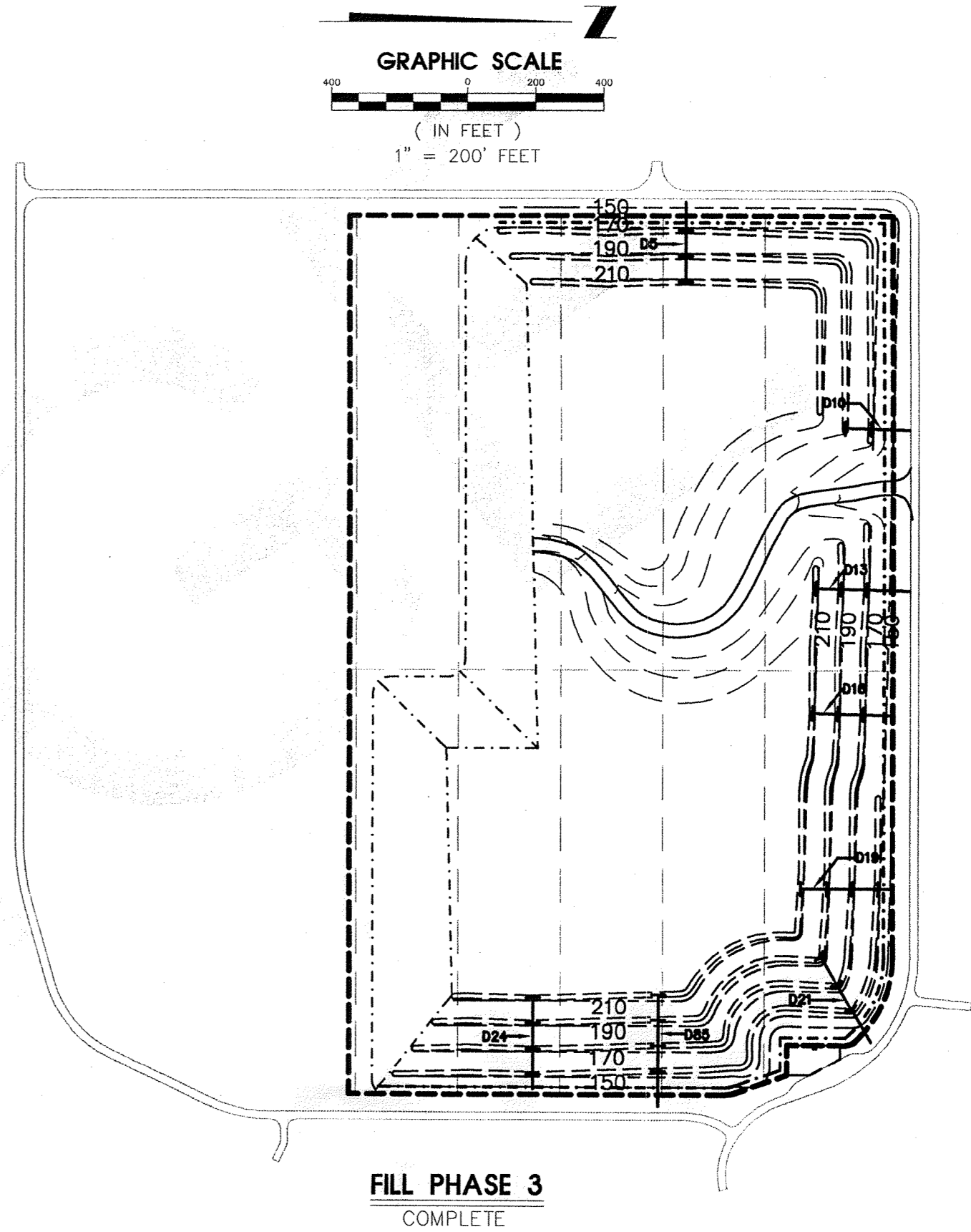
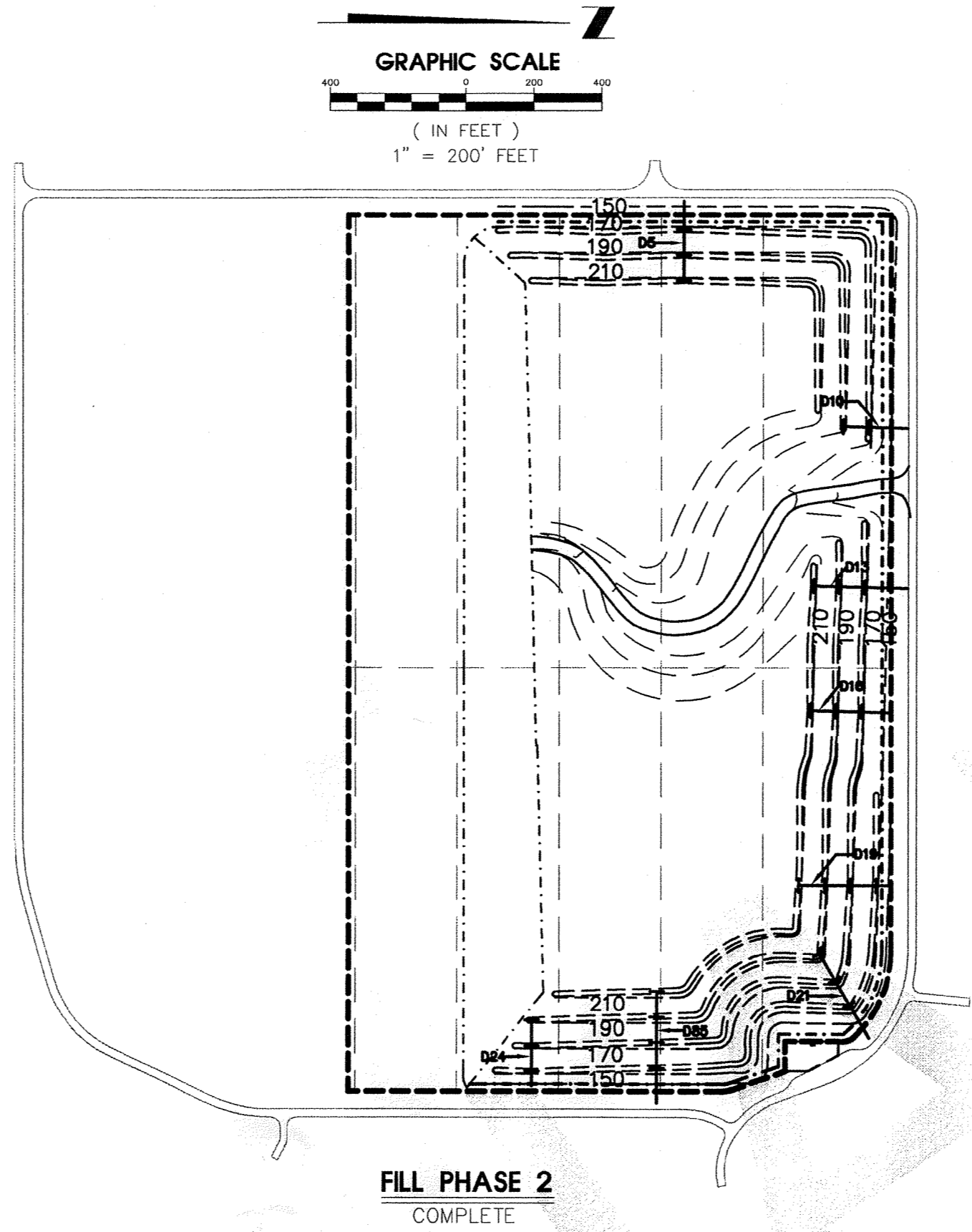
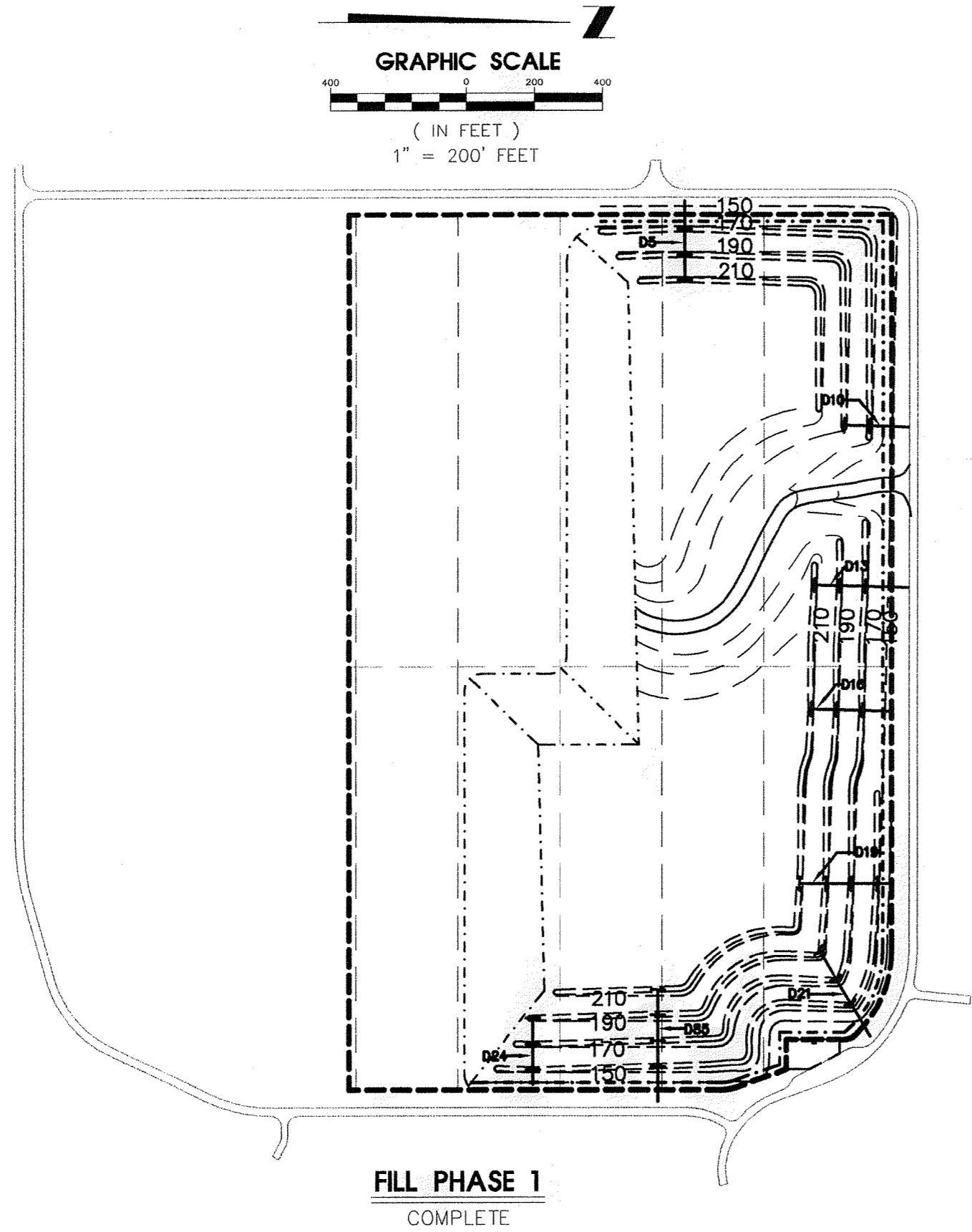
PLANS PREPARED UNDER THE  
DIRECTION OF:

Christa Cam  
Bader 1/15/08

G:\LANDFILL\TRAIL\RENEWAL\07-044\Design\Plots\X-Sec.dwg

Plotted: Oct 14, 2008 - 3:07pm, By: mcgranied

DEP003375

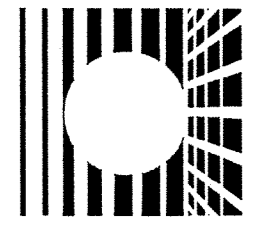


- LEGEND**
- 150— FINAL CONTOUR
  - - - LIMITS OF LINER
  - - - LINER PHASE LINE
  - - - LIMITS OF FILL
  - ACCESS ROAD
  - ROADWAY
  - TERRACE
  - +++ DOWNCOMER PIPE

**NOTE**  
FILL PHASING MAY BE CHANGED  
DUE TO OPERATIONAL NEEDS.

**PERMIT DOCUMENT**

**England-Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER: 2584  
PHONE NUMBER (904) 642-8990 FAX NUMBER (904) 646-9485



DRAWING NO.

**11**

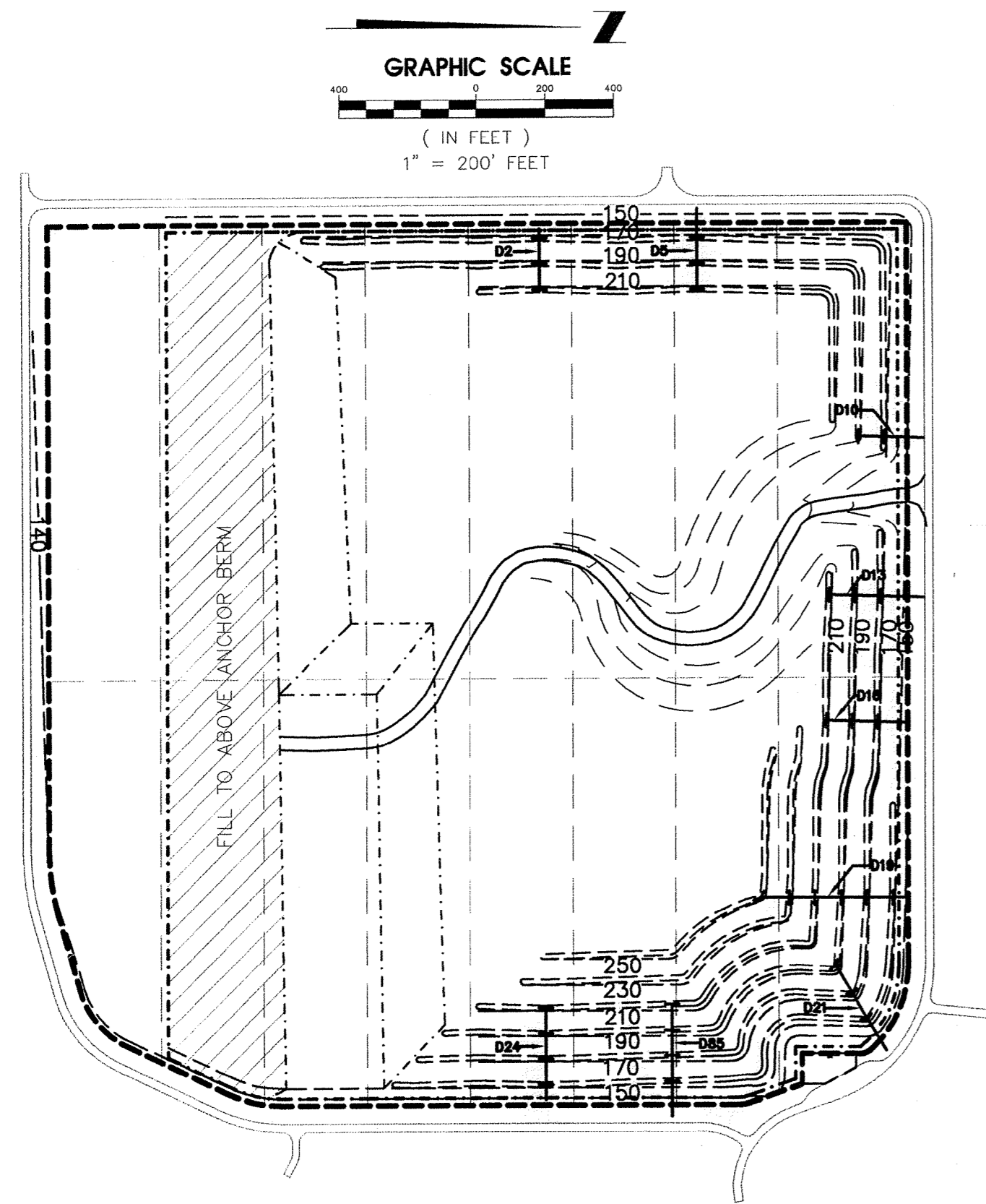
**FILL PHASING PLAN**  
**TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL**  
**FOR**  
**TRAIL RIDGE LANDFILL, INC.**

ETW NO. E 07-044-01  
DRAWN BY: S. Lockwood  
DESIGNED BY: J. Clem  
CHECKED BY: J. Clem  
DATE: September 25, 2002

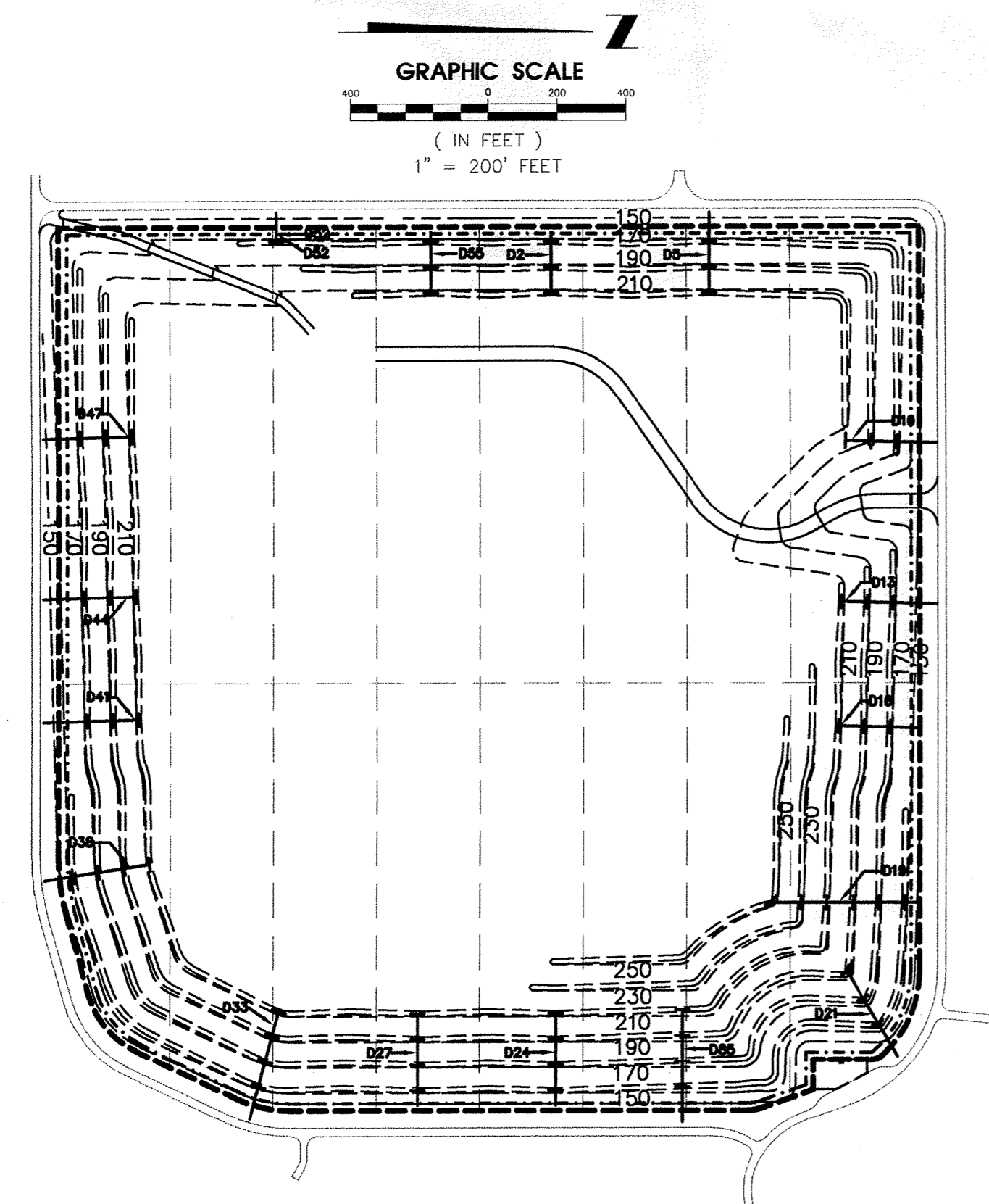
REVISIONS:  
8-20-02 MODIFIED FILL PHASES 5 AND 6 AND  
12-10-02 UPDATED ACCESS ROAD.  
9-15-08 MODIFIED FILL PHASE 6.  
GENERAL REVISIONS.

PLANS PREPARED UNDER THE  
DIRECTION OF:  
*Juanita Bader*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245

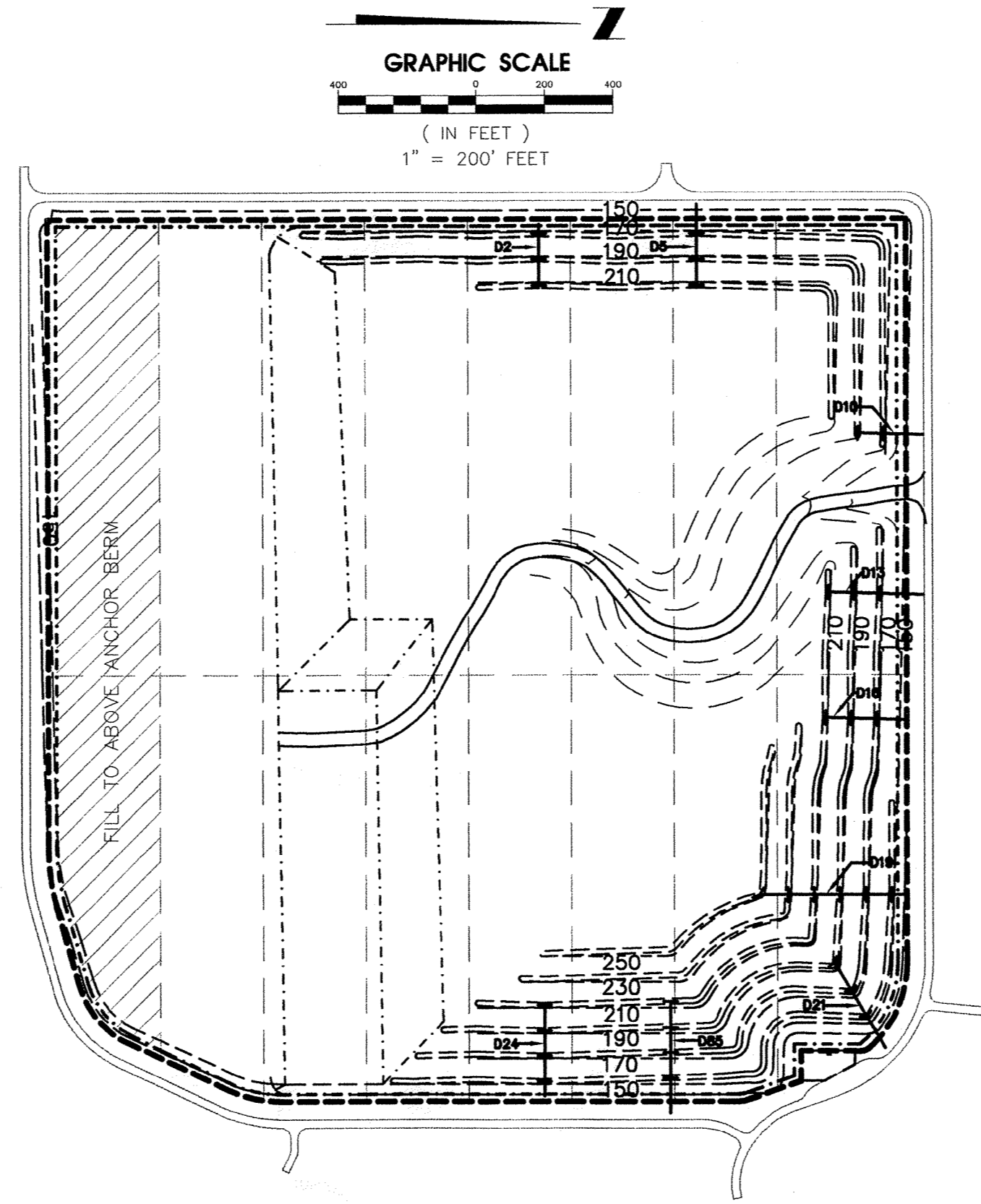
*Santhosh*  
OCULUS  
Initials *SC*  
Date *10-28-08*



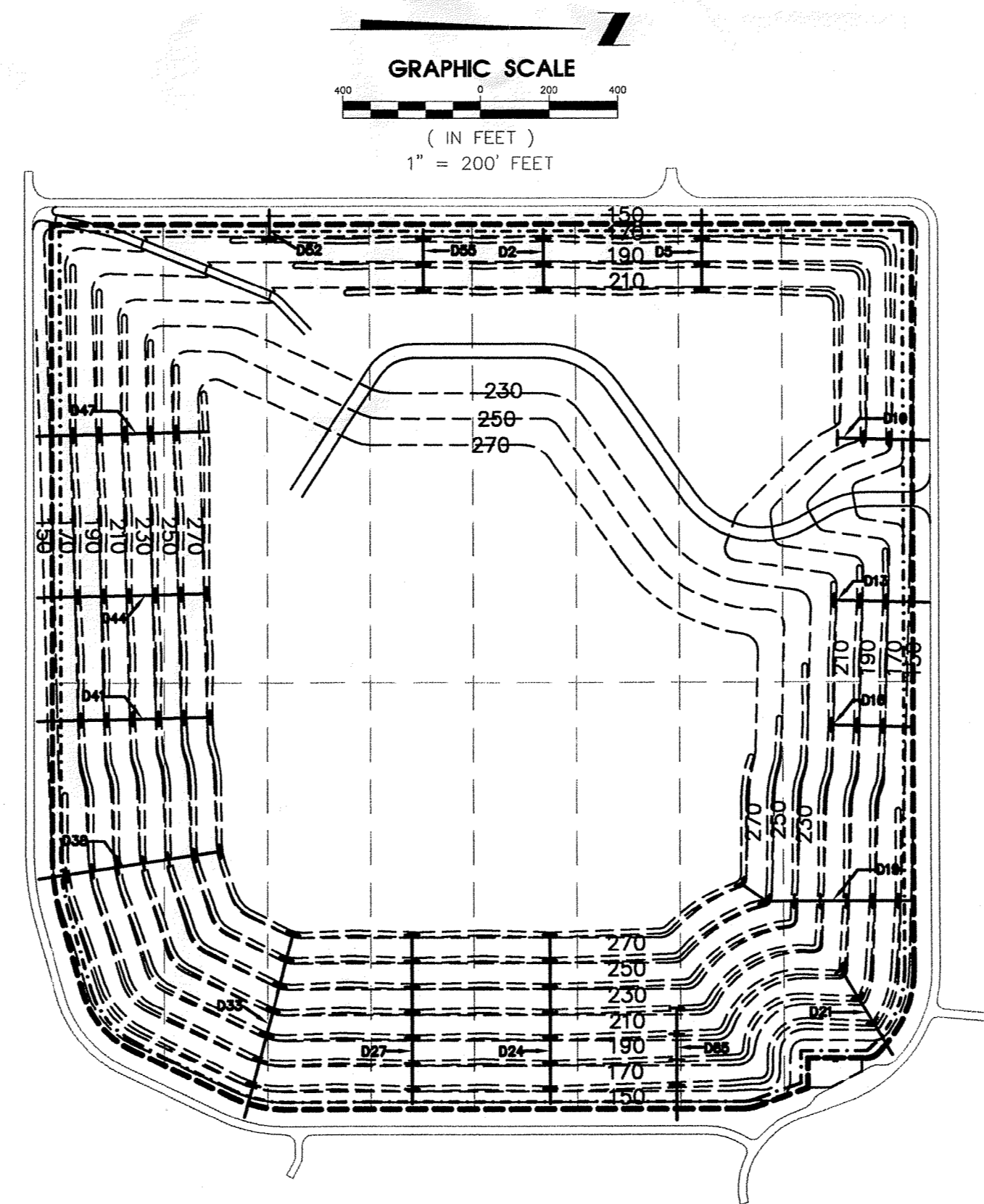
FILL PHASE 6A  
COMPLETE



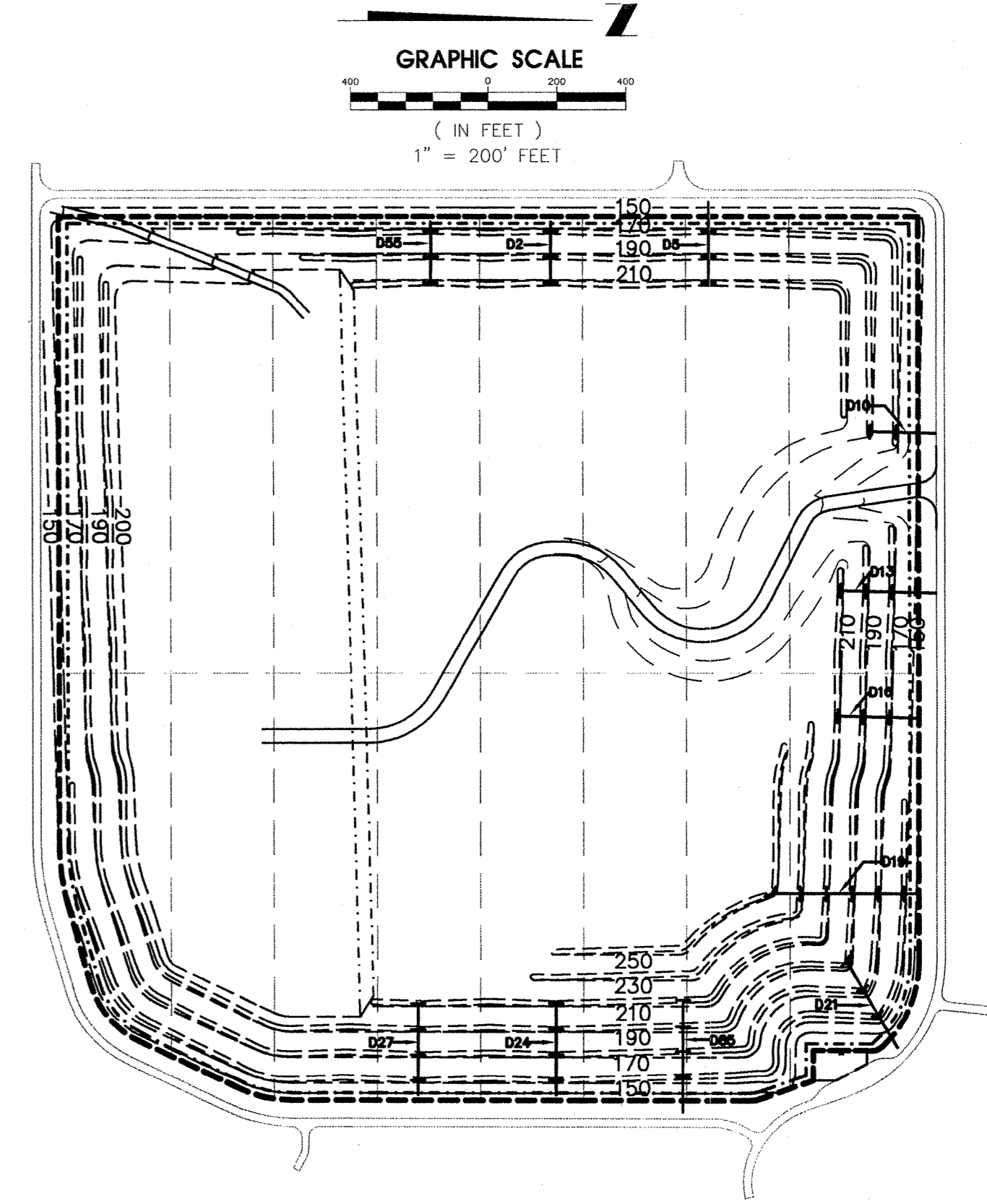
FILL PHASE 8  
CURRENT OPERATIONS



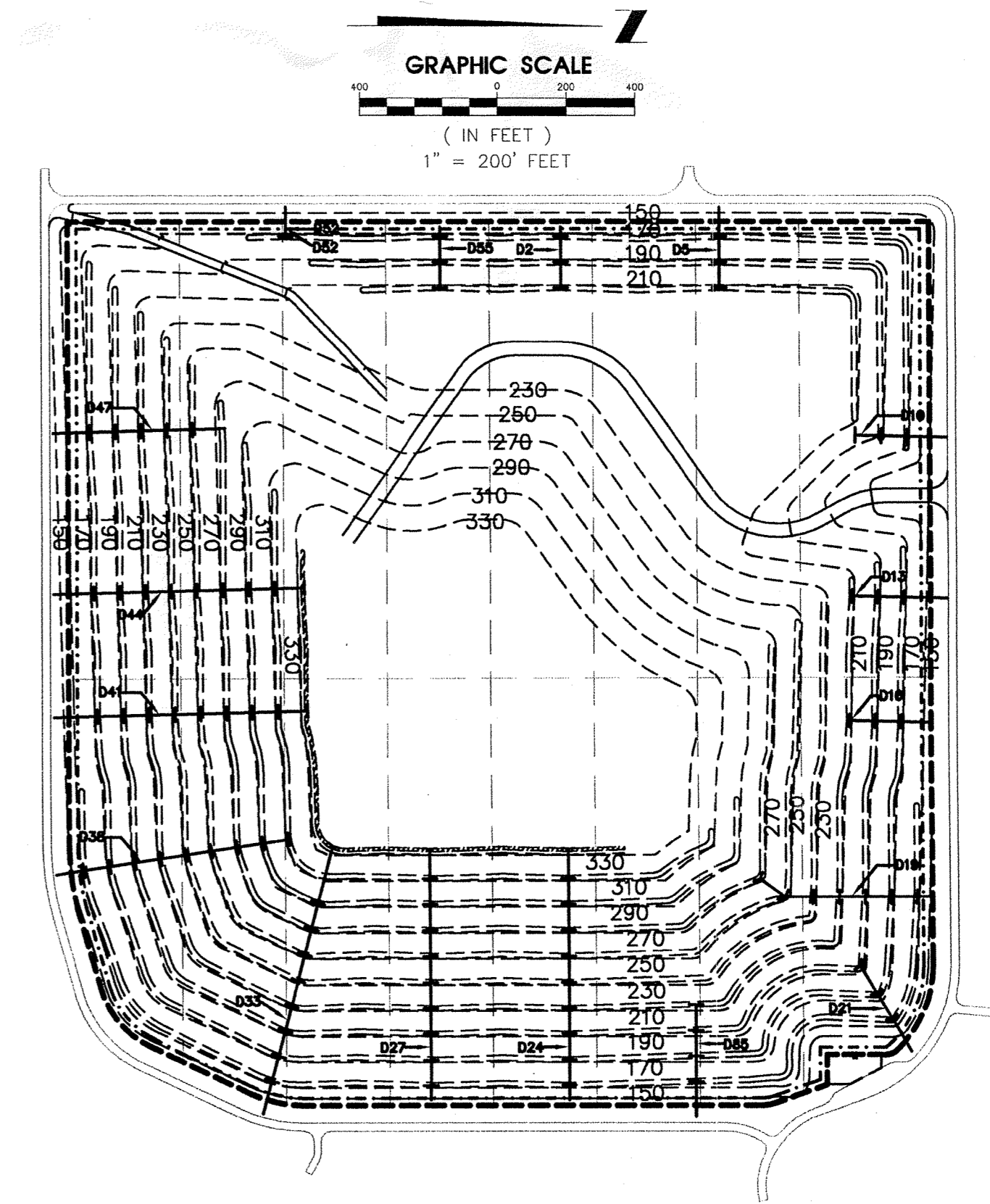
FILL PHASE 6B  
COMPLETE



FILL PHASE 9



FILL PHASE 7  
COMPLETE



FILL PHASE 10

- LEGEND**
- 150— FINAL CONTOUR
  - - - - - LIMITS OF LINER
  - - - - - LINER PHASE LINE
  - - - - - LIMITS OF FILL
  - ===== ACCESS ROAD
  - ===== ROADWAY
  - ===== TERRACE
  - +++++ DOWNCOMER PIPE

**NOTE:**  
FILL PHASING MAY BE CHANGED  
DUE TO OPERATIONAL NEEDS.

Initials ST  
Date 10-28-08

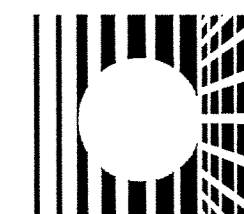
PERMIT DOCUMENT

FILL PHASING PLAN

TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL  
FOR  
TRAIL RIDGE LANDFILL, INC.

England-Thims & Miller, Inc.

ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32218  
CERTIFICATE OF AUTHORIZATION NUMBER: 2684  
PHONE NUMBER (904) 642-8890 FAX NUMBER (904) 646-9485



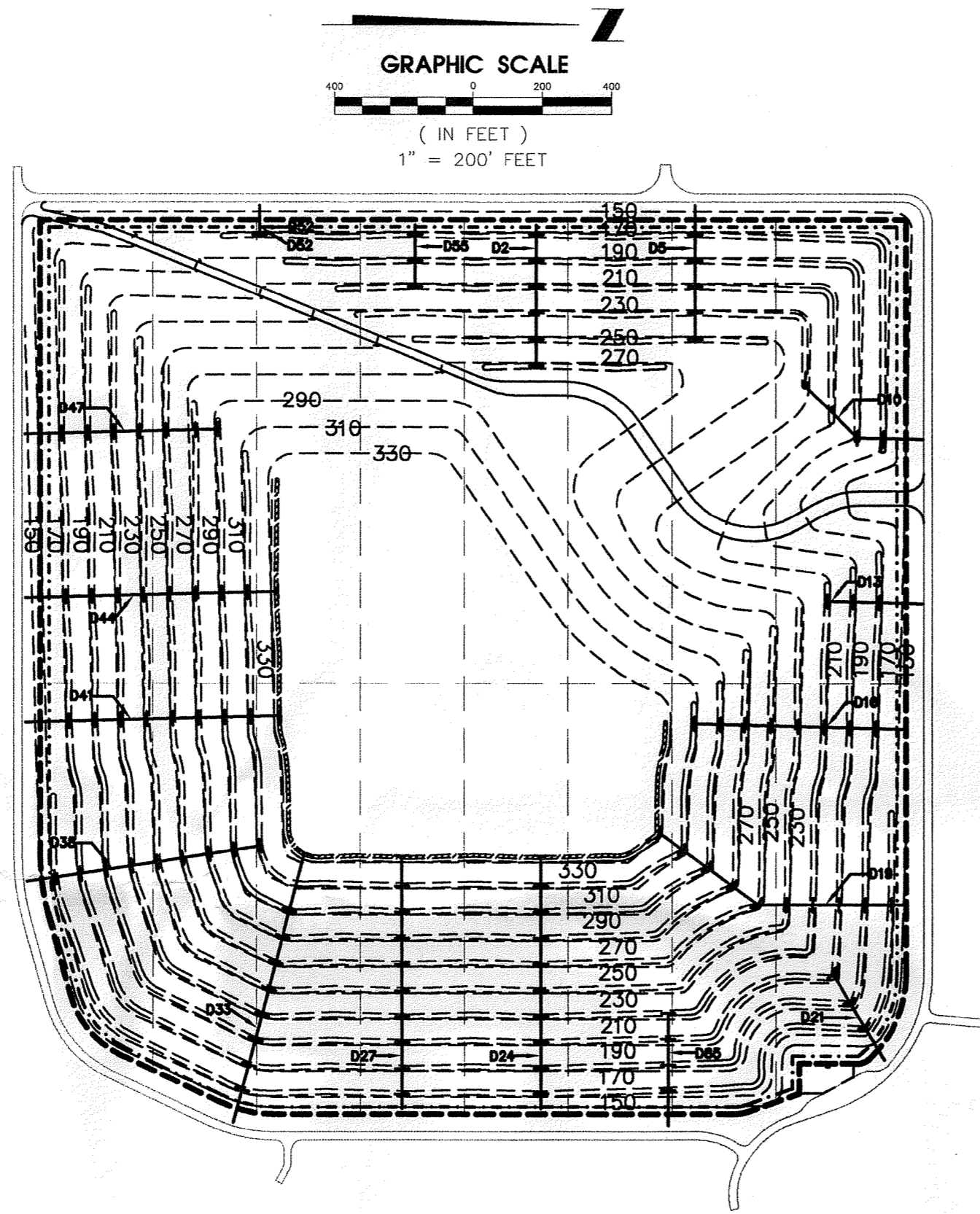
DRAWING NO.

12

PLANS PREPARED UNDER THE  
DIRECTION OF:  
*Juanita Bader*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245

REVISIONS:  
2-25-00 REVISED FILL PHASES 7 - 12  
TO INCLUDE EL. 230 & 250  
12-6-00 TO REMOVE WESTERN HIGH RISE  
11-15-01 TO ADD FILL PHASES 6A AND 6B  
8-20-02 TO ADD FILL PHASES 7, 8 & 9  
12-10-02 TO ADD FILL PHASES  
12-15-08 GENERAL REVISIONS.

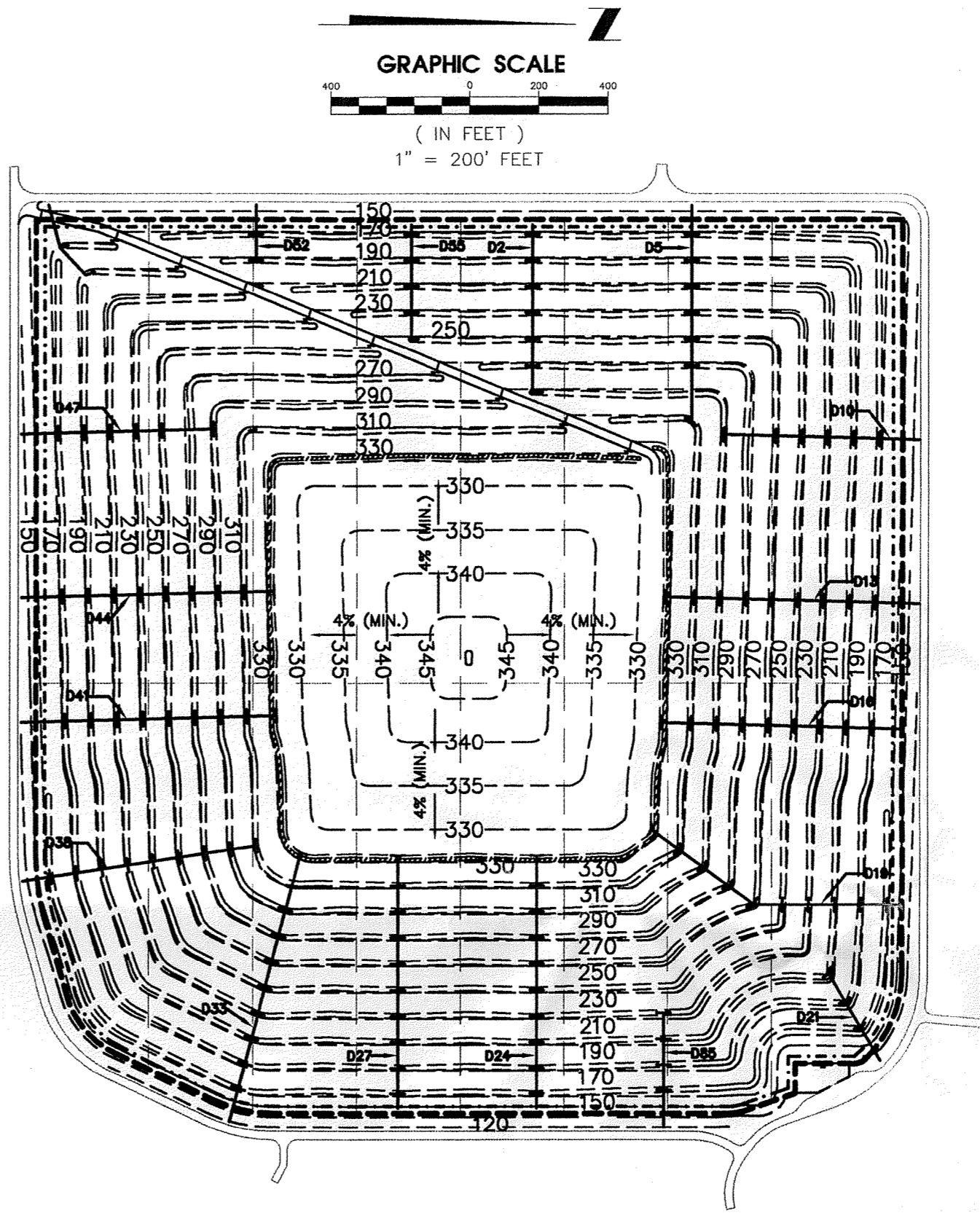
ETM NO. E 07-044-01  
DRAWN BY: S. Lockwood  
DESIGNED BY: J. Clem  
CHECKED BY: J. Clem  
DATE: September 25, 2002



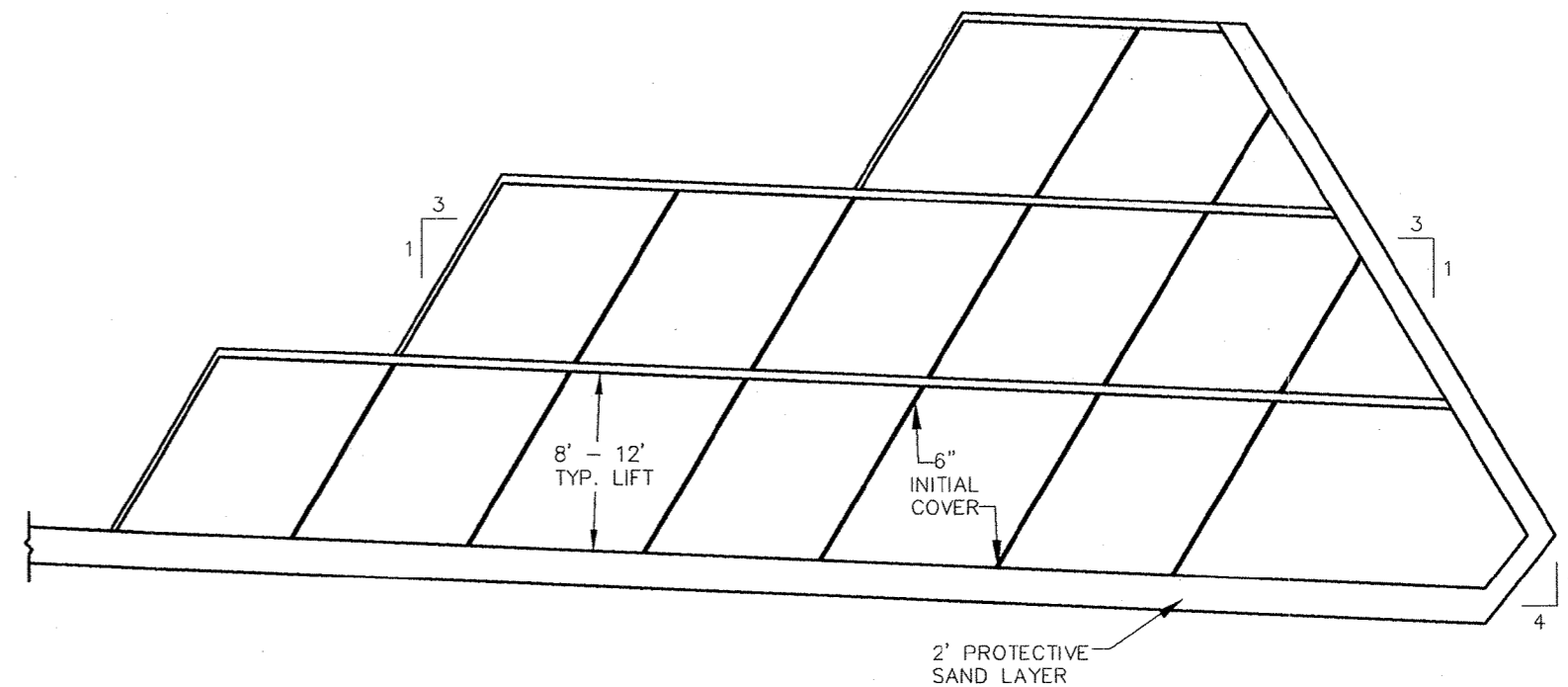
FILL PHASE 11

- LEGEND**
- 150— FINAL CONTOUR
  - - - - - LIMITS OF LINER
  - - - - - LINER PHASE LINE
  - - - - - LIMITS OF FILL
  - ==== ACCESS ROAD
  - ==== ROADWAY
  - ==== TERRACE
  - + + + + DOWNCOMER PIPE

**NOTE:**  
FILL PHASING MAY BE CHANGED  
DUE TO OPERATIONAL NEEDS.



FILL PHASE 12



TYPICAL FILL SECTION  
N.T.S.

Inspected  
OCULUS  
Initials SL  
Date 10-28-08

PERMIT DOCUMENT

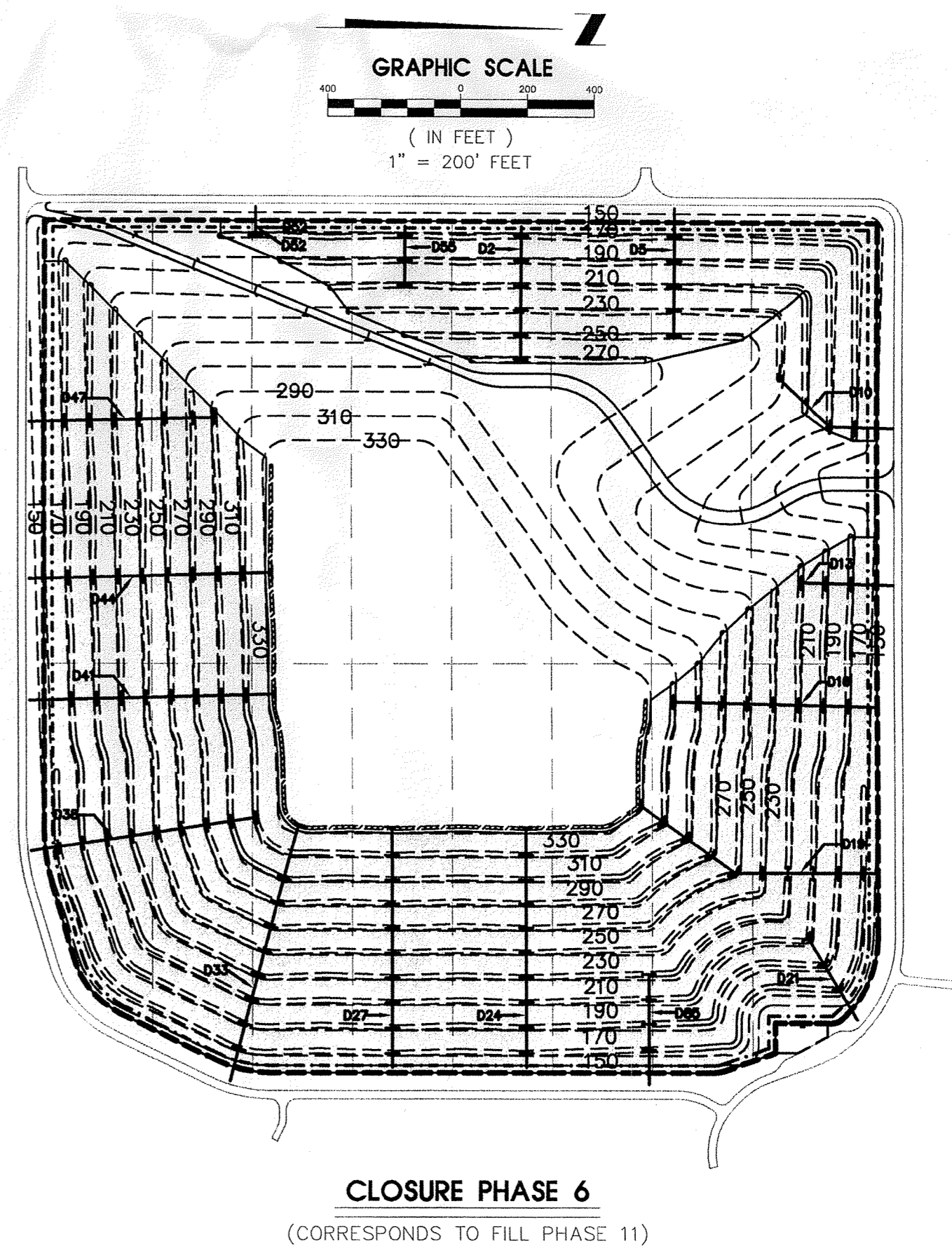
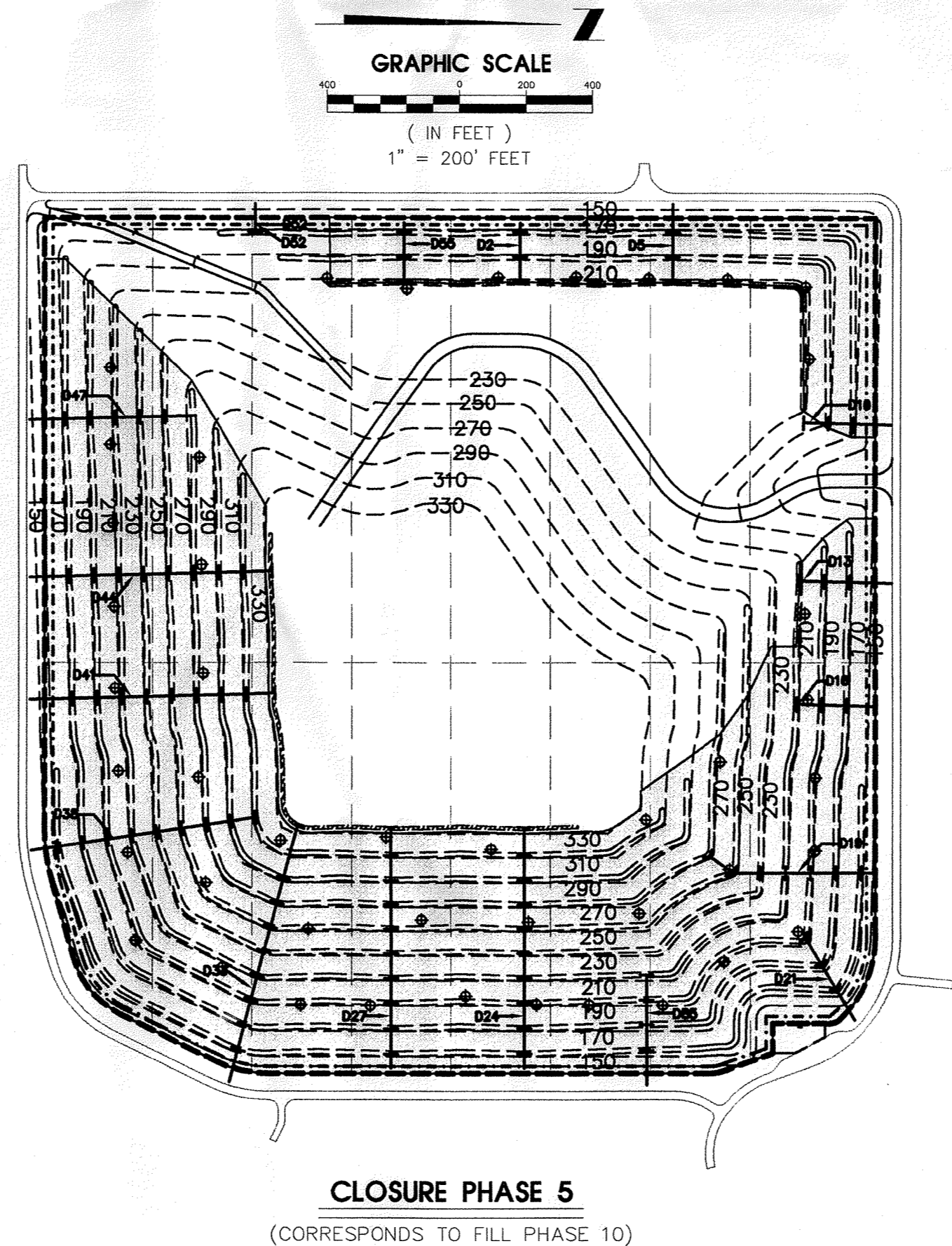
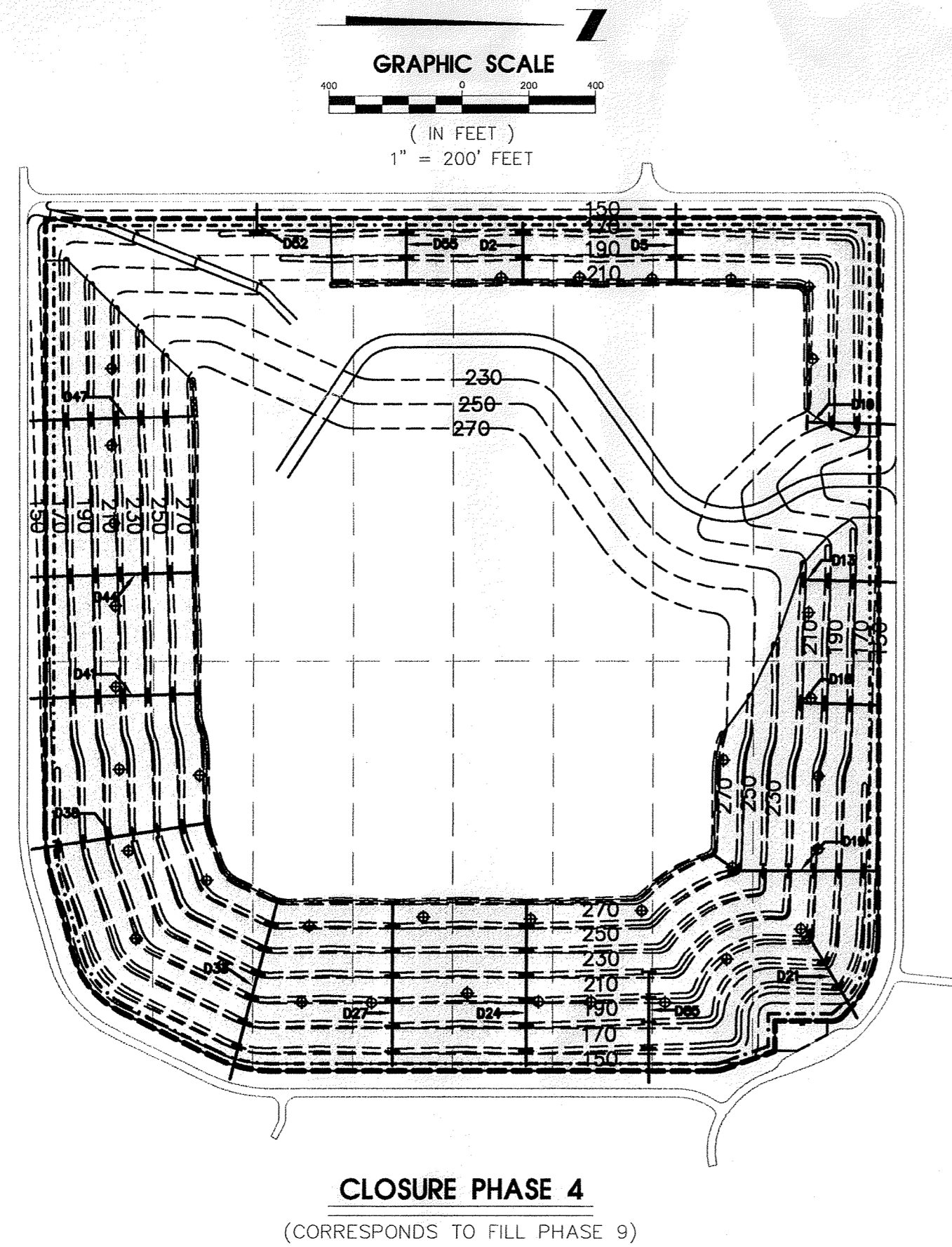
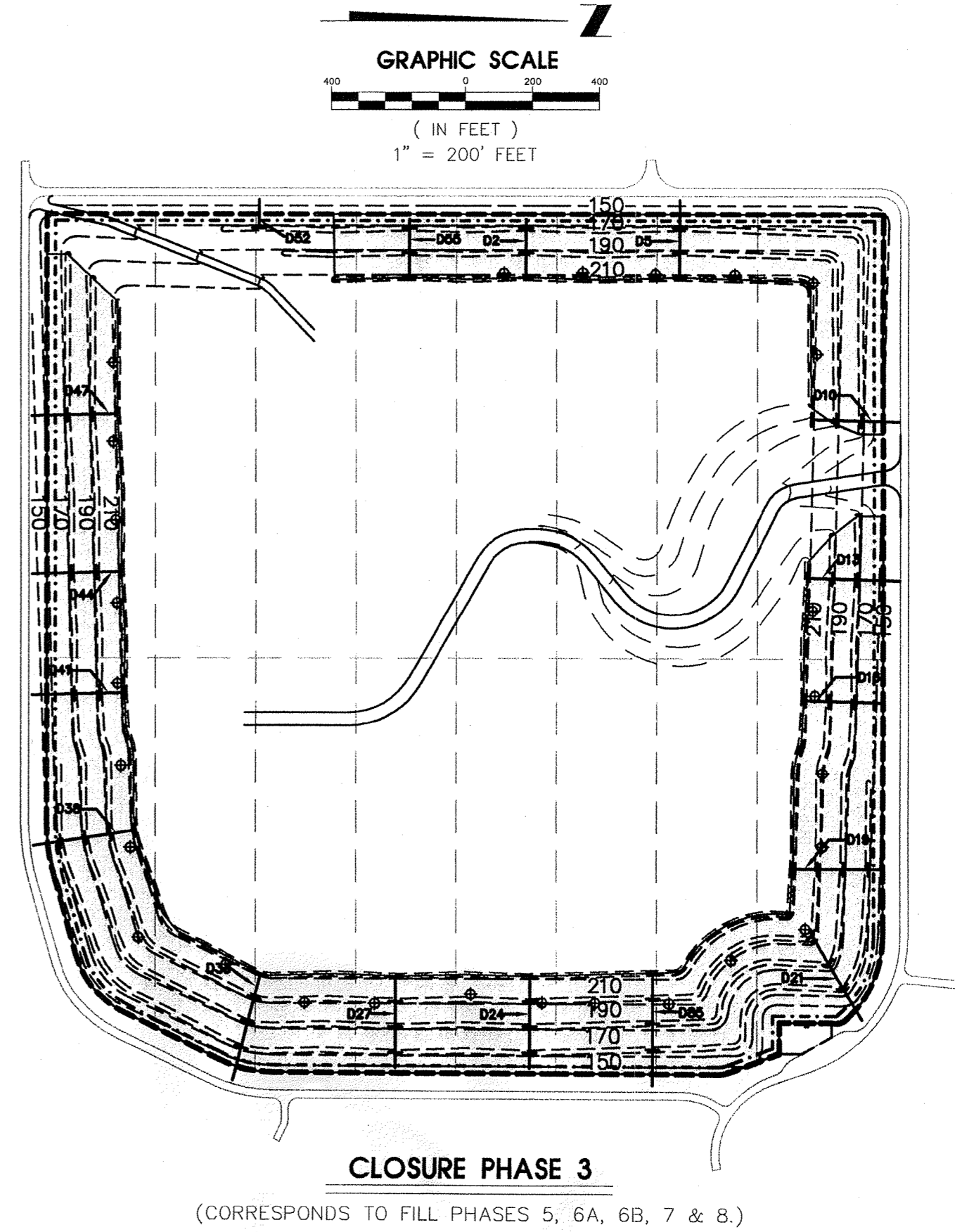
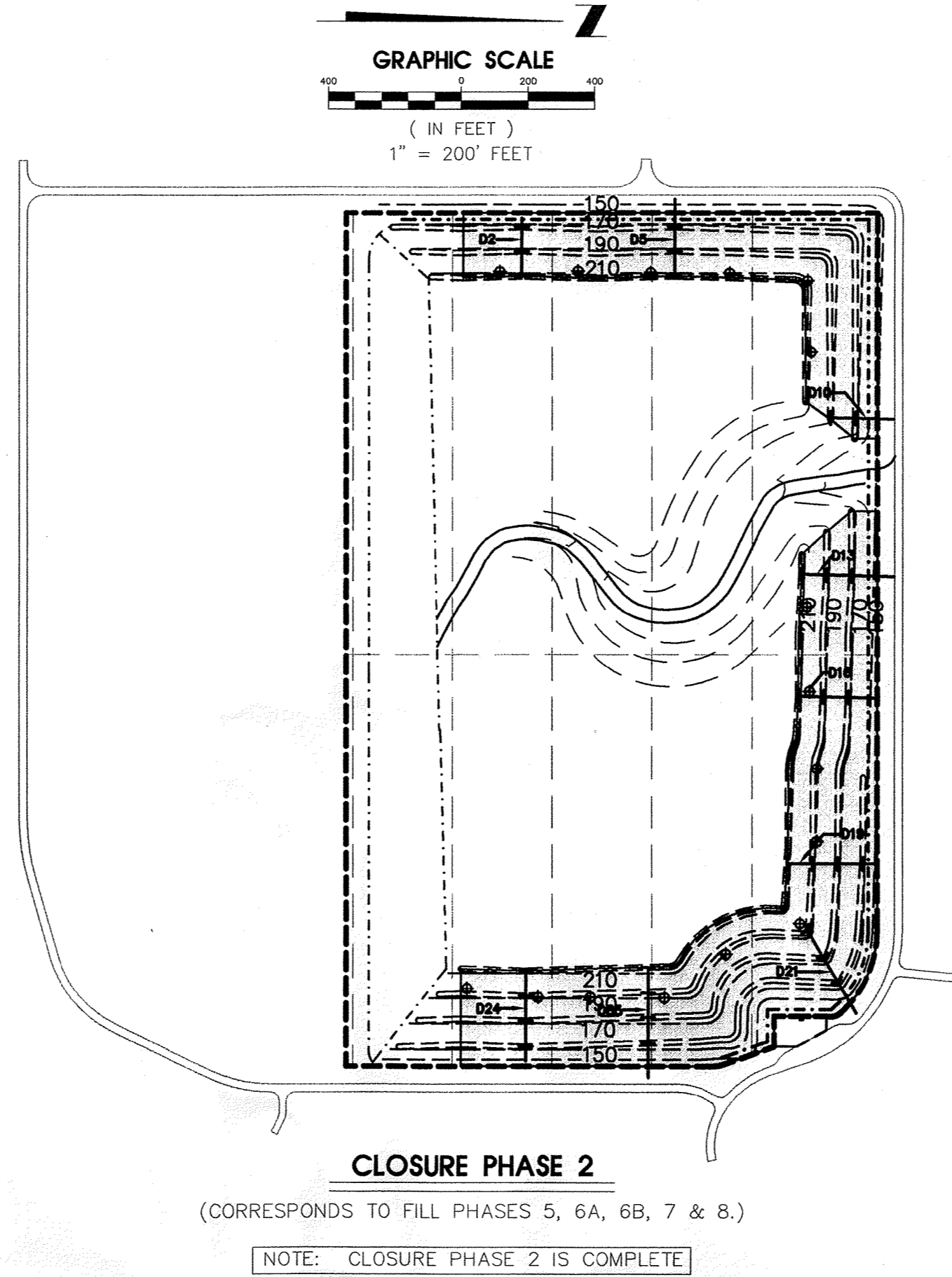
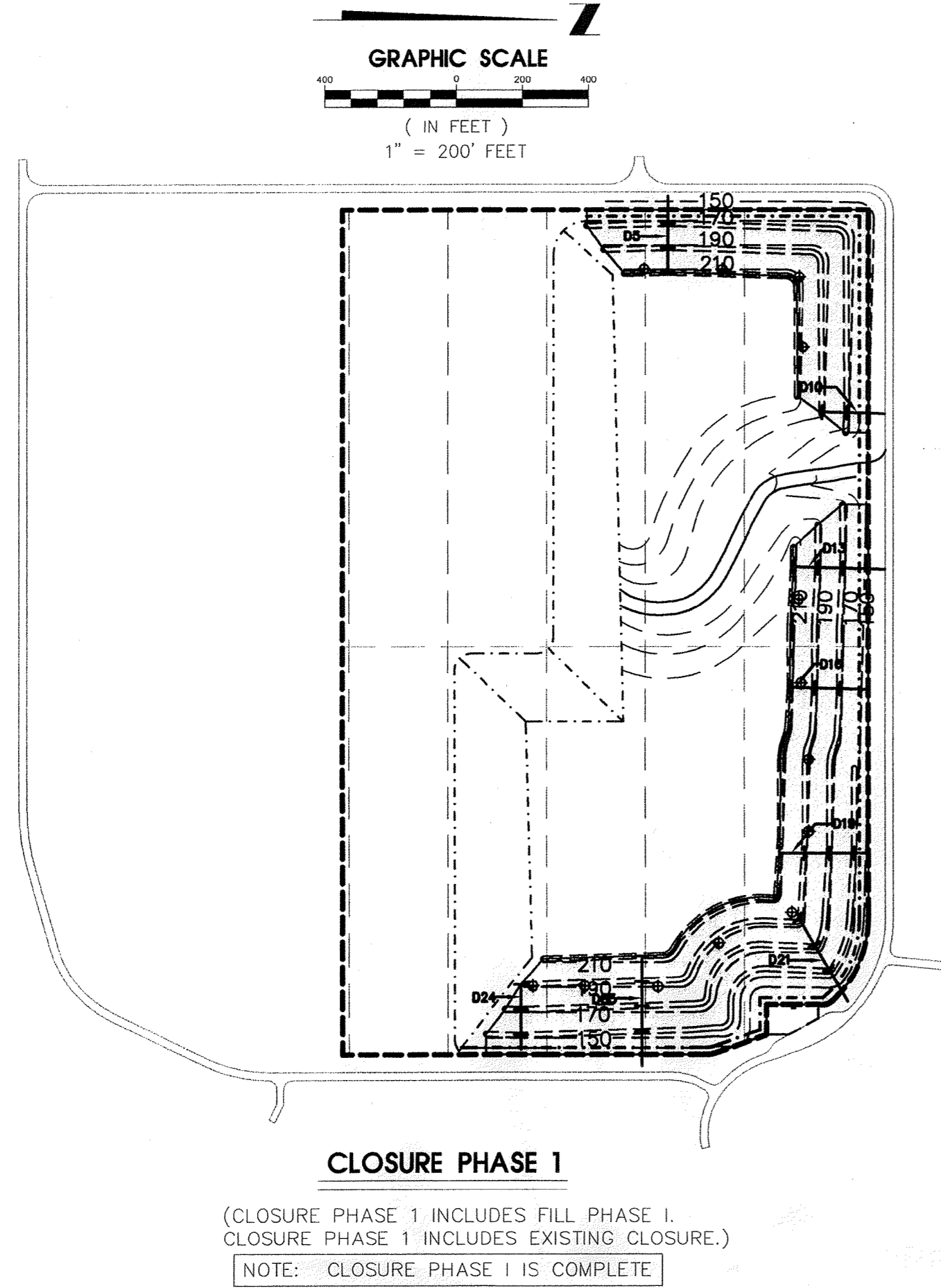
**FILL PHASING PLAN**  
**TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL**  
**FOR**  
**TRAIL RIDGE LANDFILL, INC.**

**England-Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER 2564  
PHONE NUMBER (904) 646-8980 FAX NUMBER (904) 646-9485

DRAWING NO.  
**13**

REVISIONS:  
2-25-00 REDESIGNED FILL PHASES 7-12  
12-6-00 TO INCLUDE EL. 230 & 250  
11-15-01 TO REDESIGN FILL PHASES 11 AND 12  
8-20-02 MOVED FILL PHASE 10 TO THIS  
SHEET.  
9-15-08 FILL PHASES  
GENERAL REVISIONS.

PLANS PREPARED UNDER THE  
DIRECTION OF:  
*[Signature]*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245



- LEGEND**
- 150— FINAL CONTOUR
  - - - LIMITS OF LINER
  - - - LINER PHASE LINE
  - - - LIMITS OF FILL
  - ACCESS ROAD
  - ROADWAY
  - TERRACE
  - DOWNCOMER PIPE
  - 10' BERM
  - CLOSURE LIMITS
  - GAS WELL

**NOTE**  
CLOSURE PHASES MAY BE  
CHANGED DUE TO OPERATIONAL  
NEEDS.

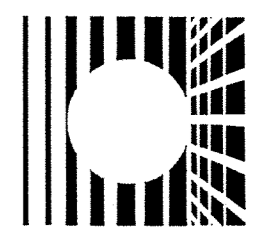
PERMIT DOCUMENT

PLANS PREPARED UNDER THE  
DIRECTION OF:  
*[Signature]*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43243

REVISIONS:  
12-10-02 ADDED GAS WELLS AND MODIFIED  
9-15-08 GENERAL REVISIONS.  
ETM NO. E 07-04-01  
DRAWN BY: S. Lockwood  
DESIGNED BY: J. Clem  
CHECKED BY: J. Clem  
DATE: September 25, 2002

**FILL PHASING PLAN**  
**TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL**  
**FOR**  
**TRAIL RIDGE LANDFILL, INC.**

**England-Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32256  
CERTIFICATE OF AUTHORIZATION NUMBER: 2584  
PHONE NUMBER (904) 642-8990 FAX NUMBER (904) 644-9485



DRAWING NO.

14

*Inspected*  
OCULUS  
Initials *sa*  
Date *10-28-08*

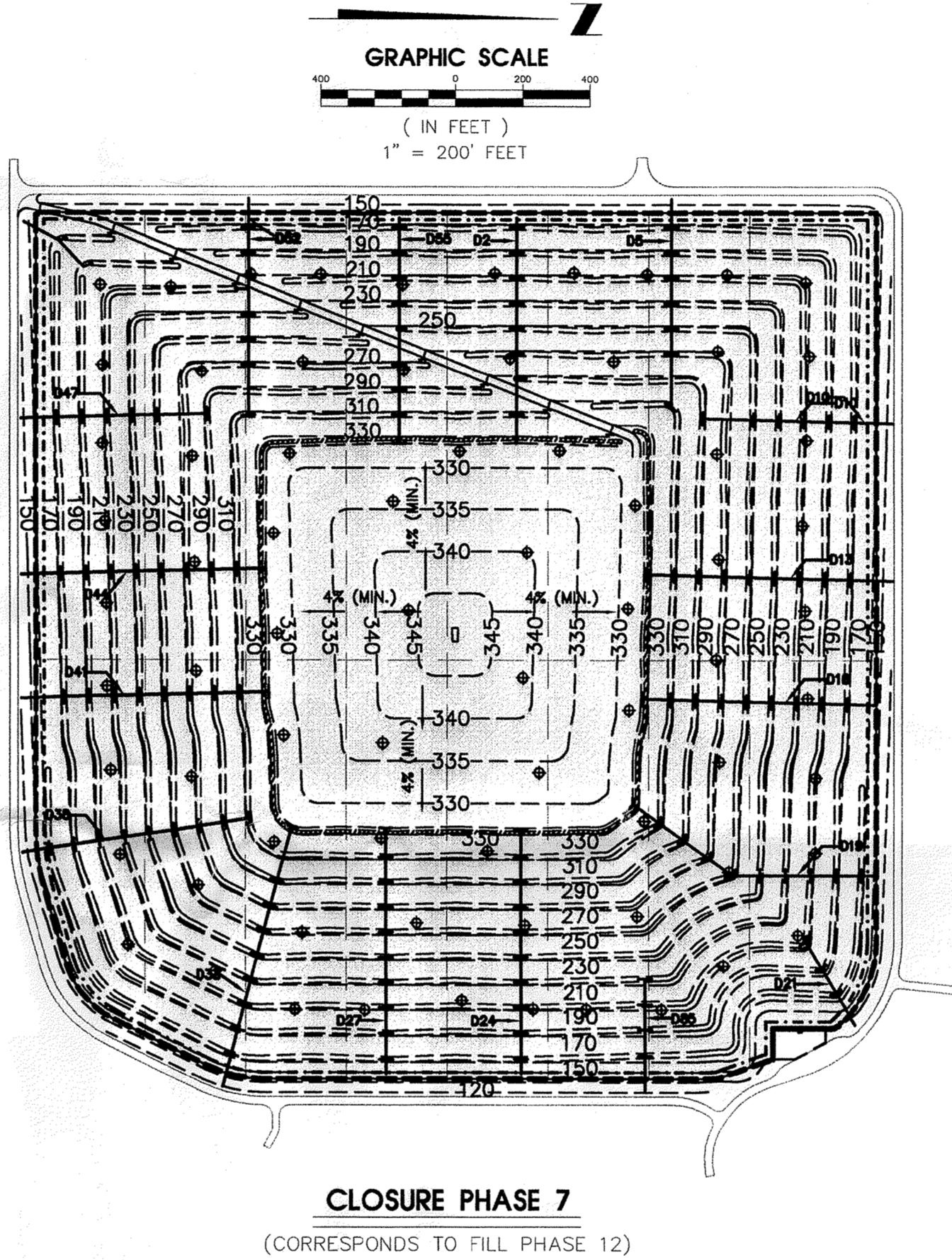
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DEP003379

Inspected  
OCULUS  
Initials SG  
Date 10-28-08

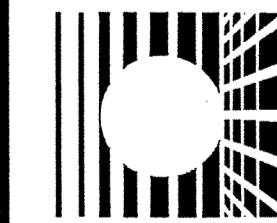
LEGEND	
—150—	FINAL CONTOUR
----	LIMITS OF LINER
- - - -	LINER PHASE LINE
----	LIMITS OF FILL
=====	ACCESS ROAD
=====	ROADWAY
=====	TERRACE
+ + + +	DOWNCOMER PIPE
	10' BERM
=====	CLOSURE LIMITS
+	GAS WELL

**NOTE:**  
CLOSURE PHASES MAY BE  
CHANGED DUE TO OPERATIONAL  
NEEDS.



PERMIT DOCUMENT

**England, Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER: 2594  
PHONE NUMBER (904) 642-6980 FAX NUMBER (904) 646-9485



DRAWING NO.

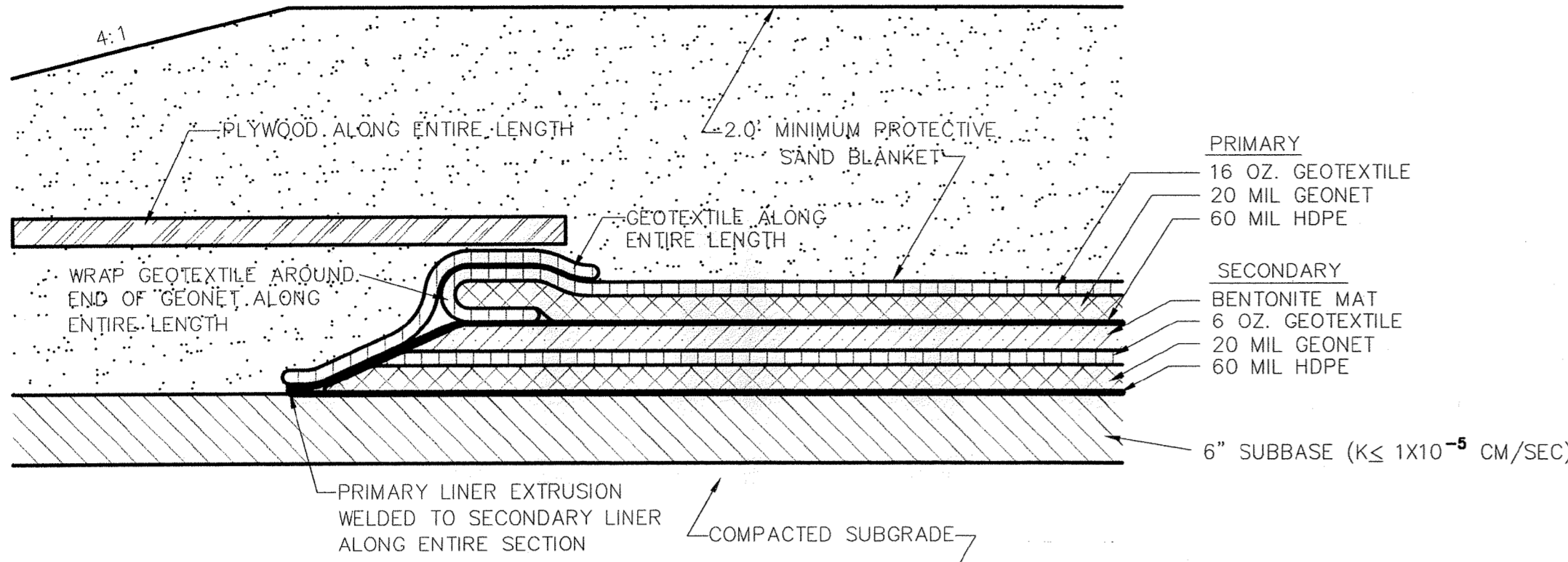
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**FILL PHASING PLAN**  
**TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL**  
**FOR**  
**TRAIL RIDGE LANDFILL, INC.**

ETM NO. E 07-044-01  
DRAWN BY: S. Lockwood  
DESIGNED BY: J. Clem  
CHECKED BY: J. Clem  
DATE: September 25, 2002

REVISIONS:  
12-10-02 ADDED GAS WELLS AND MODIFIED  
9-15-08 GENERAL REVISIONS.

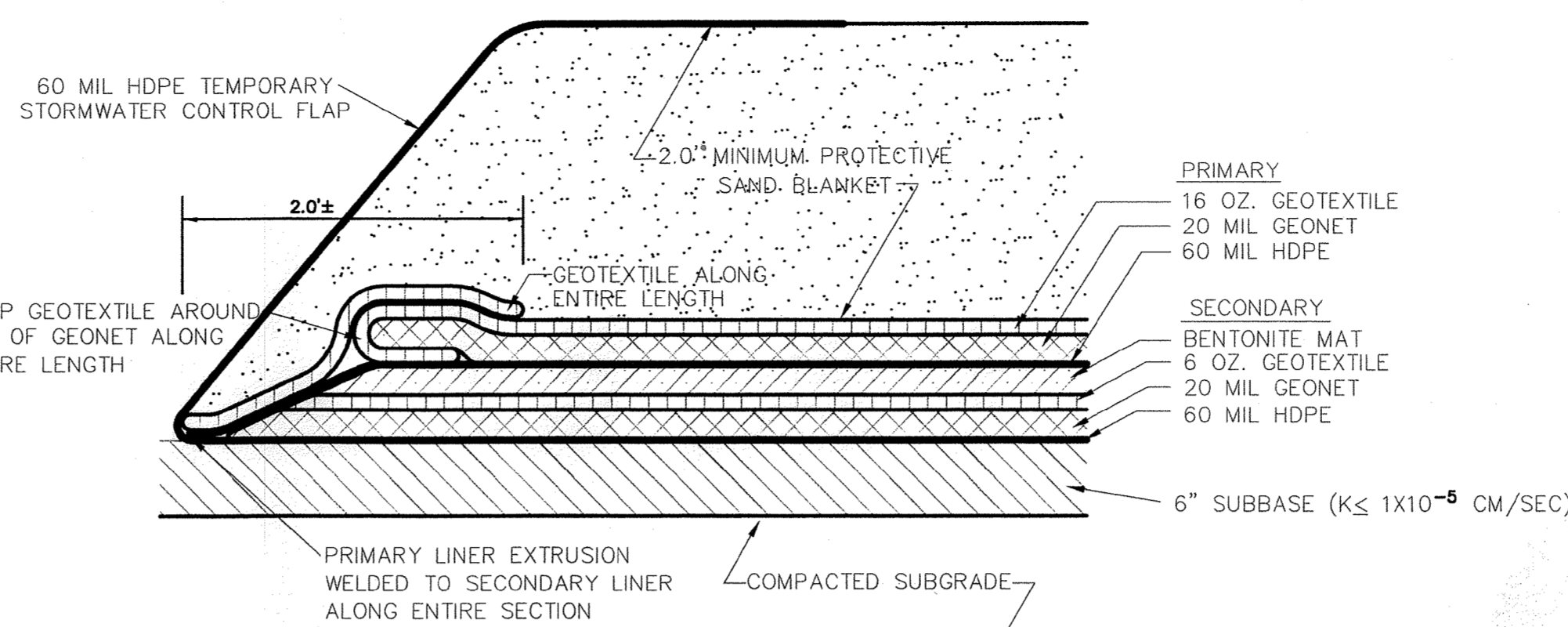
PLANS PREPARED UNDER THE  
DIRECTION OF:  
*Janetta Bader*  
JANETTA BADER, CLEM, P.E.  
P.E. NO. 43243



**TYPICAL PRIMARY AND SECONDARY LINER  
END TREATMENT BETWEEN NORTH - SOUTH PHASES**

N.T.S.

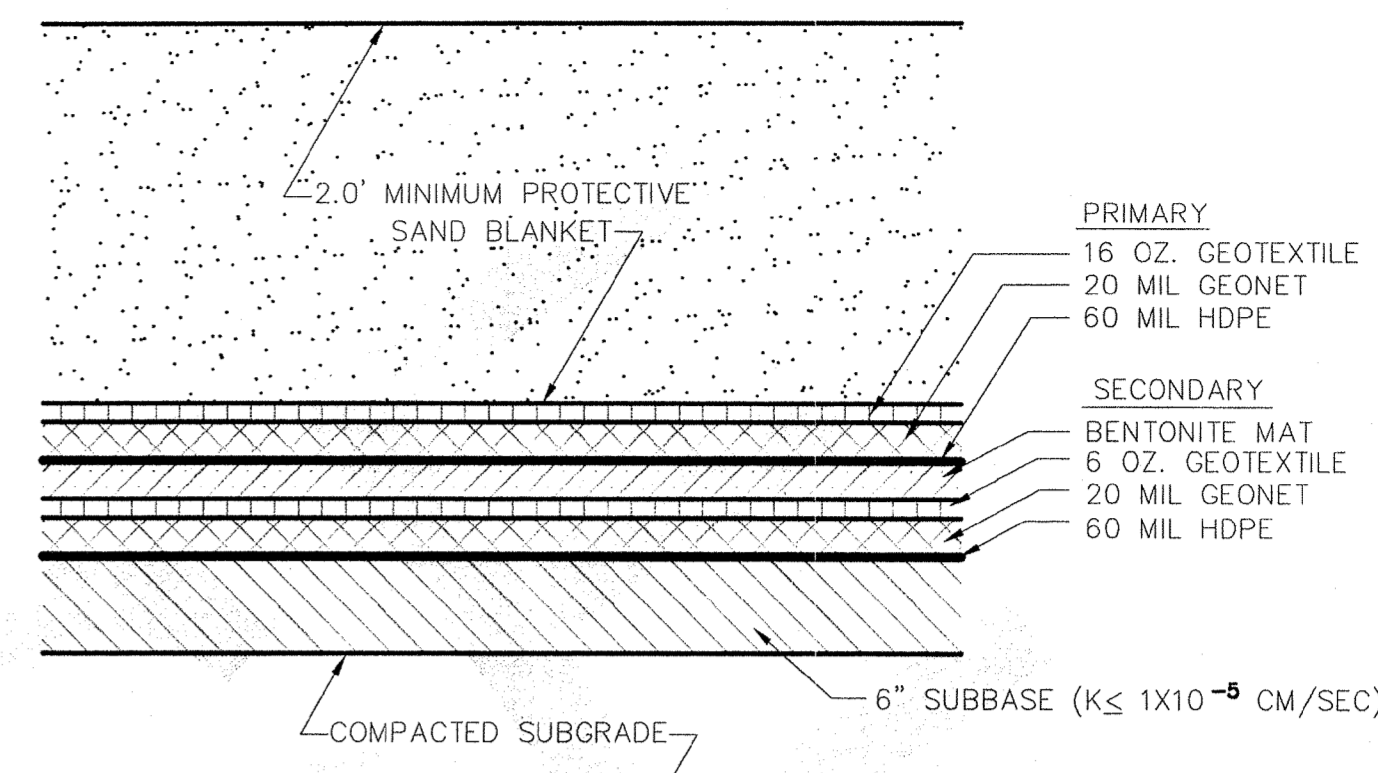
1  
6 16



**TYPICAL PRIMARY AND SECONDARY LINER  
END TREATMENT BETWEEN EAST - WEST PHASES**

N.T.S.

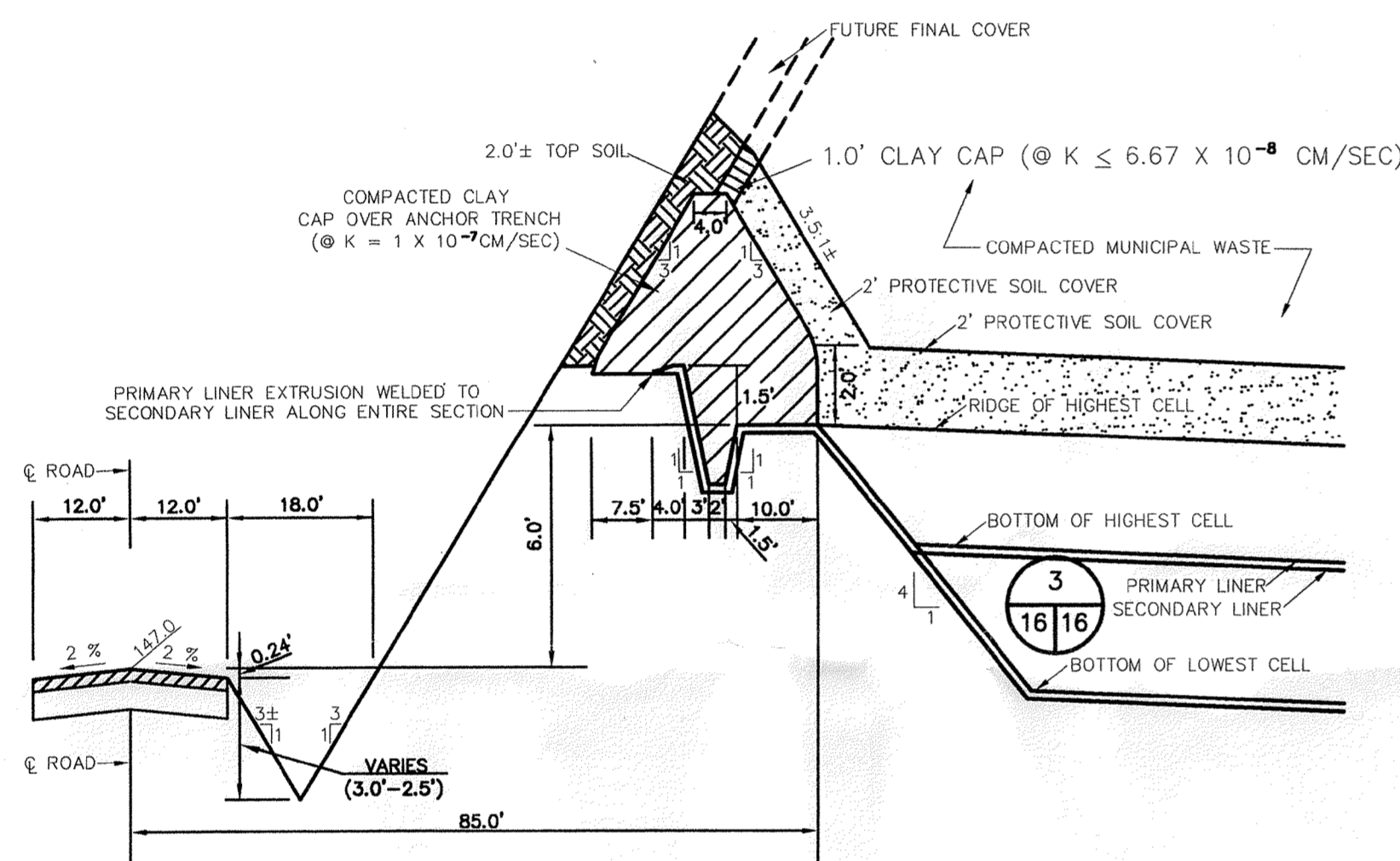
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**TYPICAL PRIMARY AND SECONDARY LINER SECTION**

N.T.S.

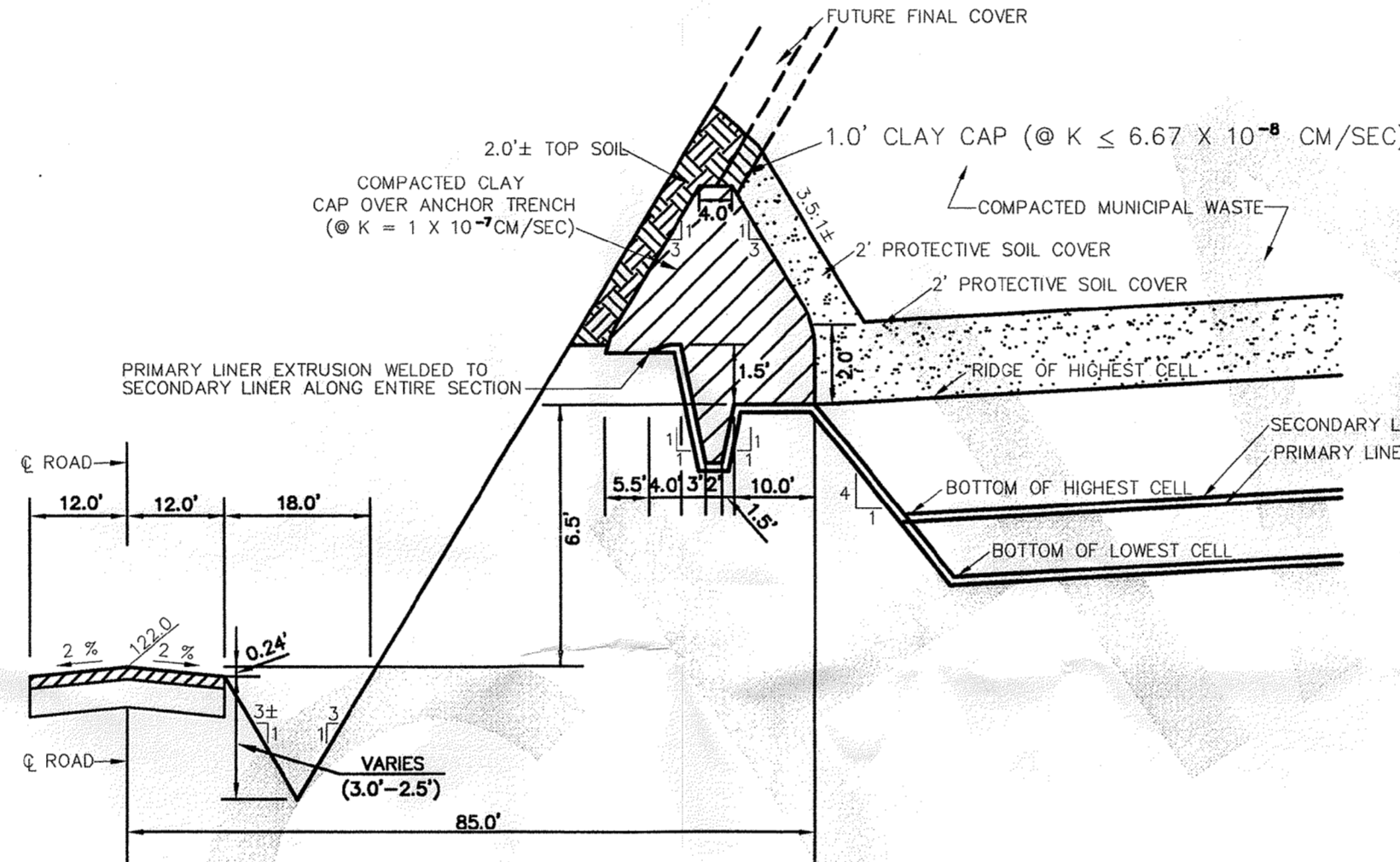
3  
16 16  
18



**WEST ANCHOR TRENCH AND BERM SECTION**

N.T.S.

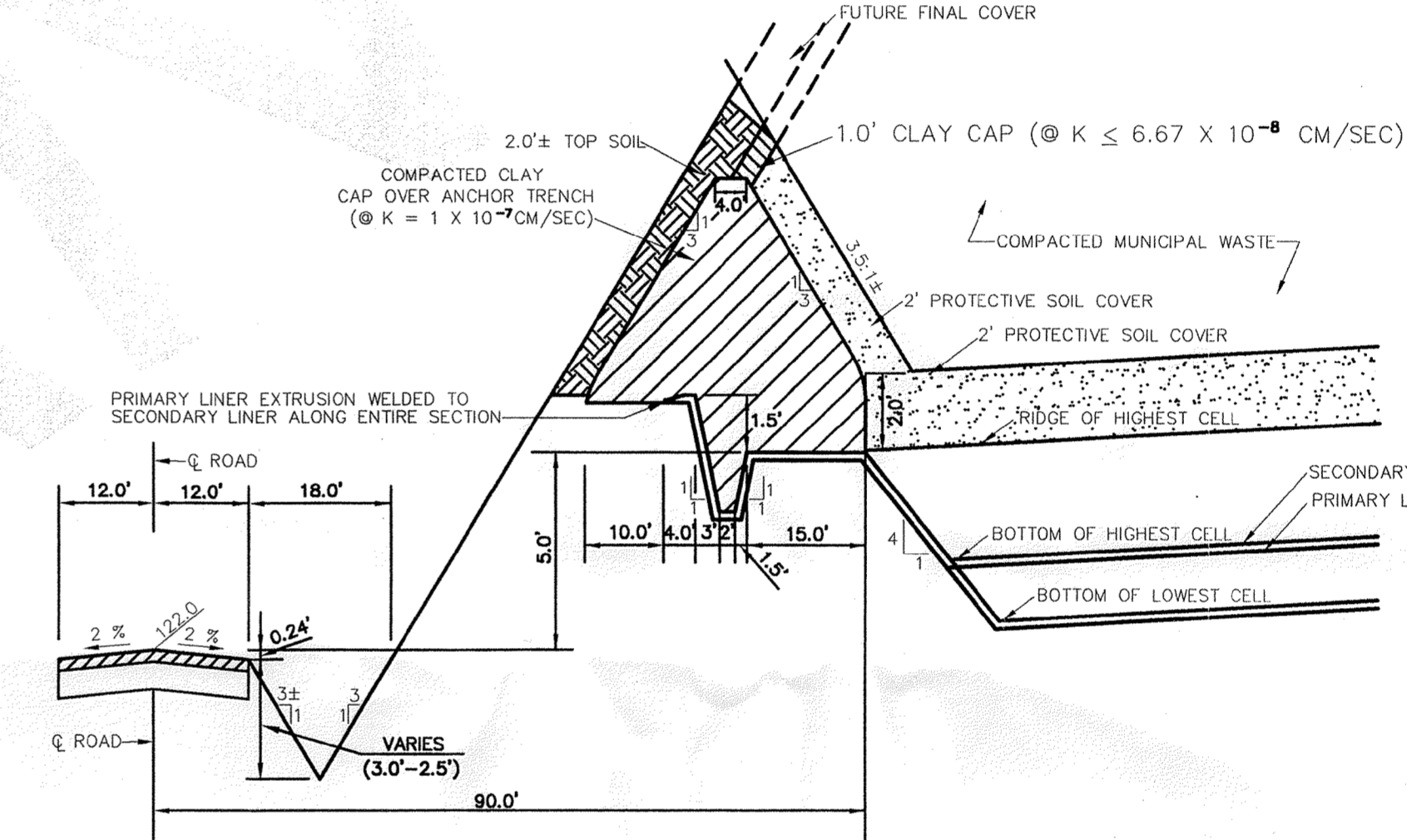
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6 16  
16



**EAST ANCHOR TRENCH AND BERM SECTION**

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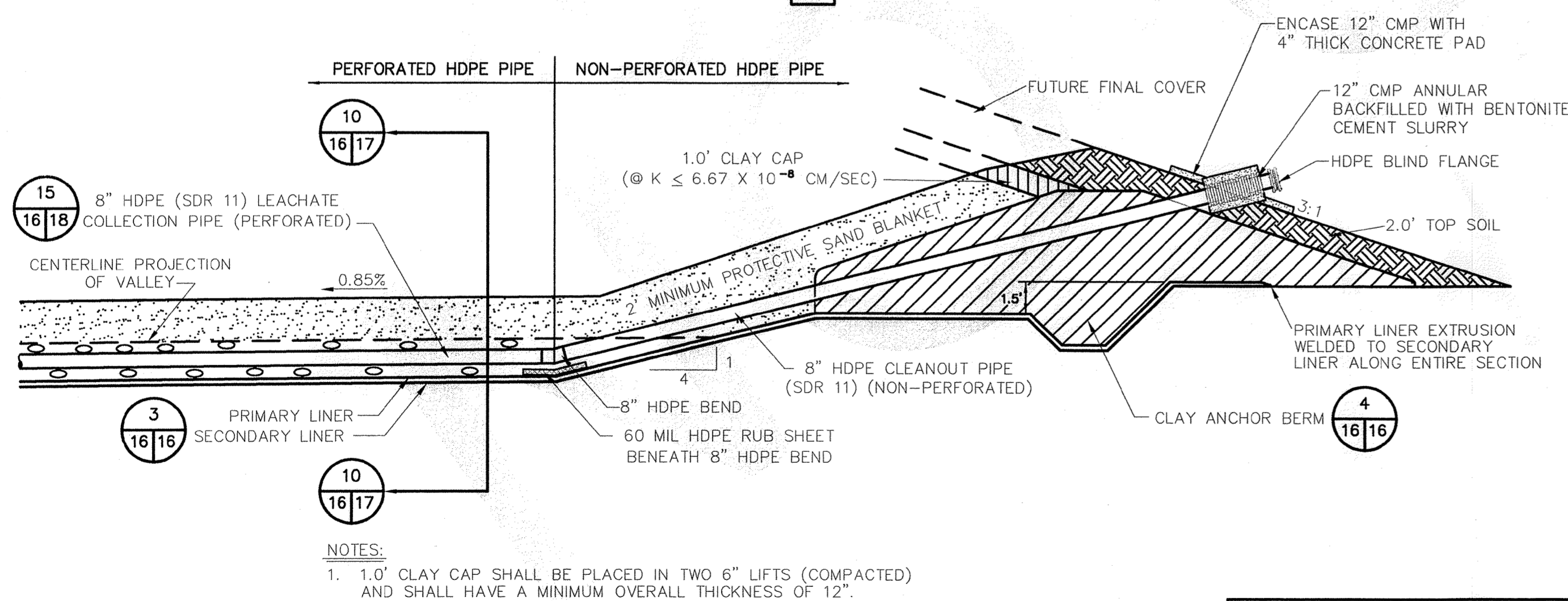
5  
6 16  
16  
17  
18



**SOUTH ANCHOR TRENCH AND BERM SECTION**

N.T.S.

6  
6 16  
16

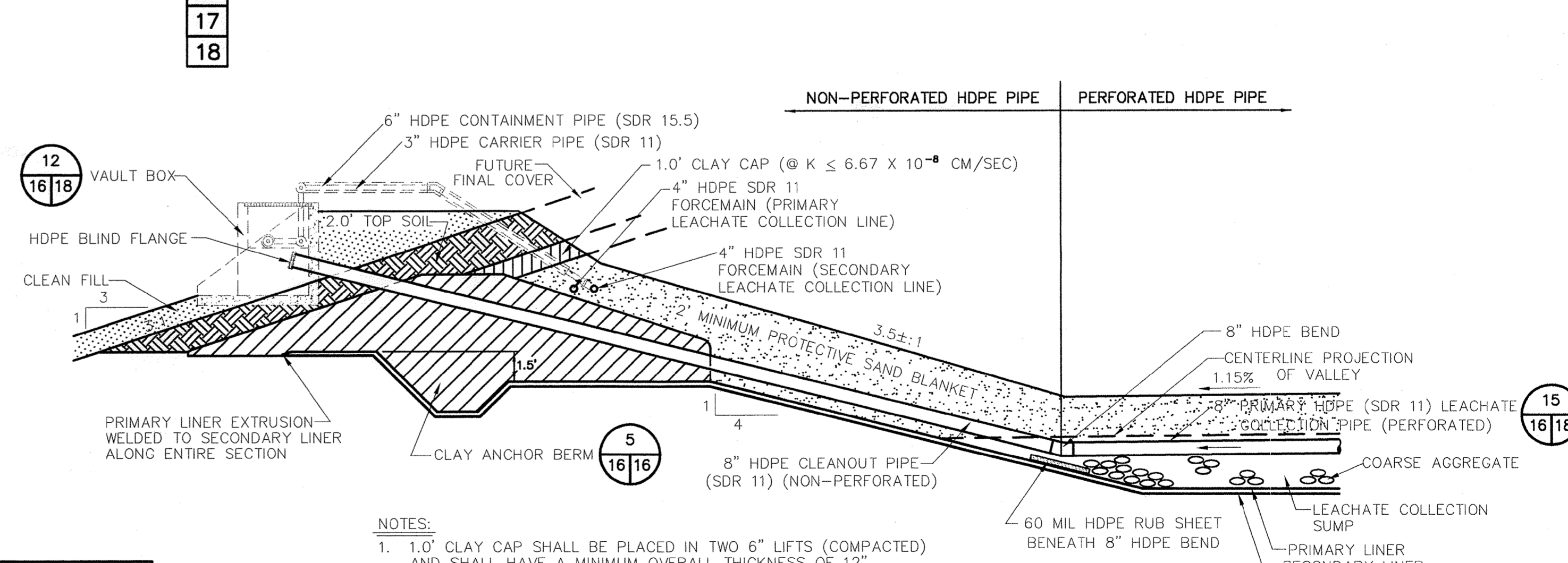


**8" LEACHATE CLEANOUT RISER SECTION (WEST SIDE ONLY)**

SCALE: 1" = 5'

7  
6 16

**NOTE:**  
THIS PLAN HAS NOT BEEN UPDATED SINCE THE SECOND PERMIT RENEWAL. GENERAL REVISIONS ARE LIMITED TO MINOR ADJUSTMENTS TO TEXT SIZE AND LOCATION AS WELL AS UPDATES TO THE BORDER AND LOGO.



**8" LEACHATE CLEANOUT RISER SECTION (EAST SIDE ONLY)**

SCALE: 1" = 5'

8  
6 16  
17

PERMIT DOCUMENT

ANCHOR TRENCH AND LINER DETAILS

TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL

FOR  
TRAIL RIDGE LANDFILL, INC.

**England-Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32218  
CERTIFICATE OF AUTHORIZATION NUMBER: 2584  
PHONE NUMBER (904) 642-9890 FAX NUMBER (904) 646-9485



DRAWING NO.

16

PLANS PREPARED UNDER THE  
DIRECTION OF:

*Juanita Bader, CLEM, P.E.*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245

ETM NO. E 07-044-01

DRAWN BY: S. Lockwood

DESIGNED BY: J. Clem

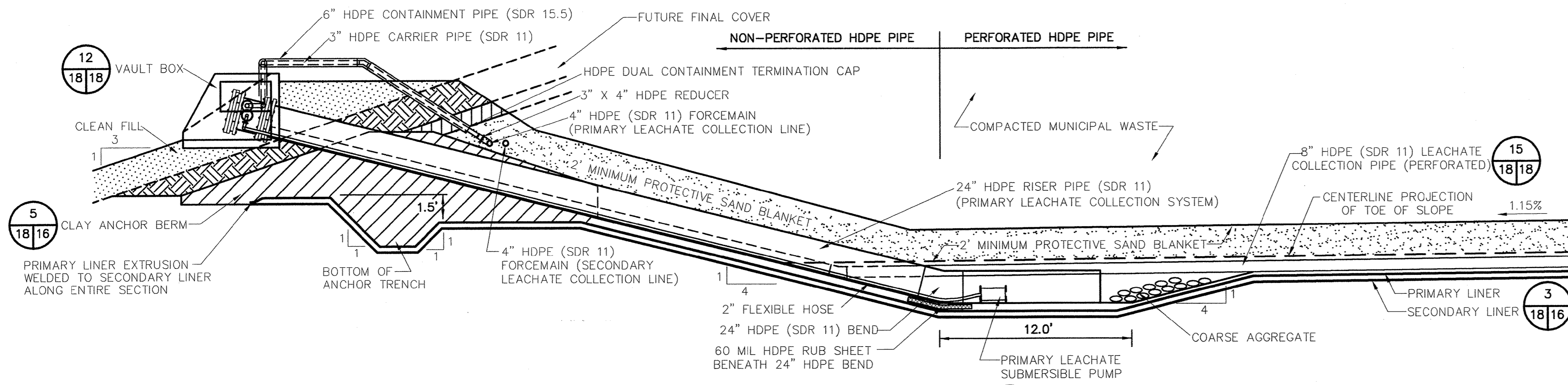
CHECKED BY: J. Clem

DATE: September 25, 2002

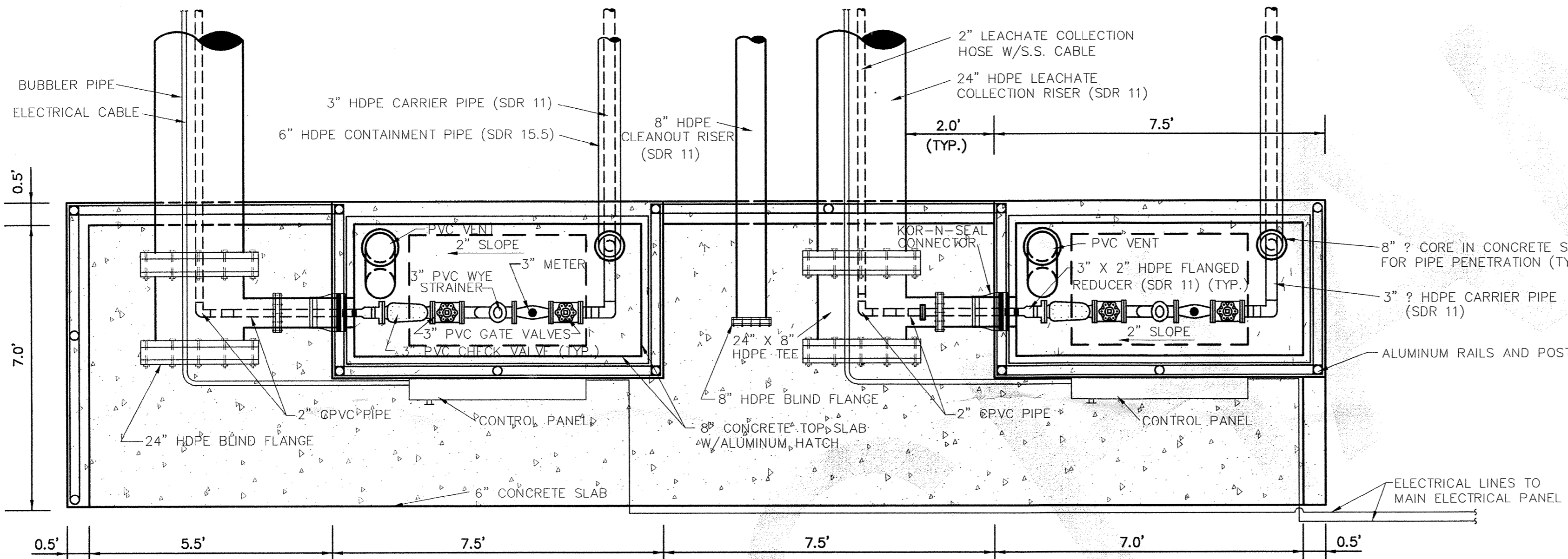
REVISIONS:  
9-15-06 GENERAL REVISIONS

Plotted: Oct 14, 2008 - 3:07pm. By: mcrat

Inspected  
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Initials *SB*  
Date *10-28-08*

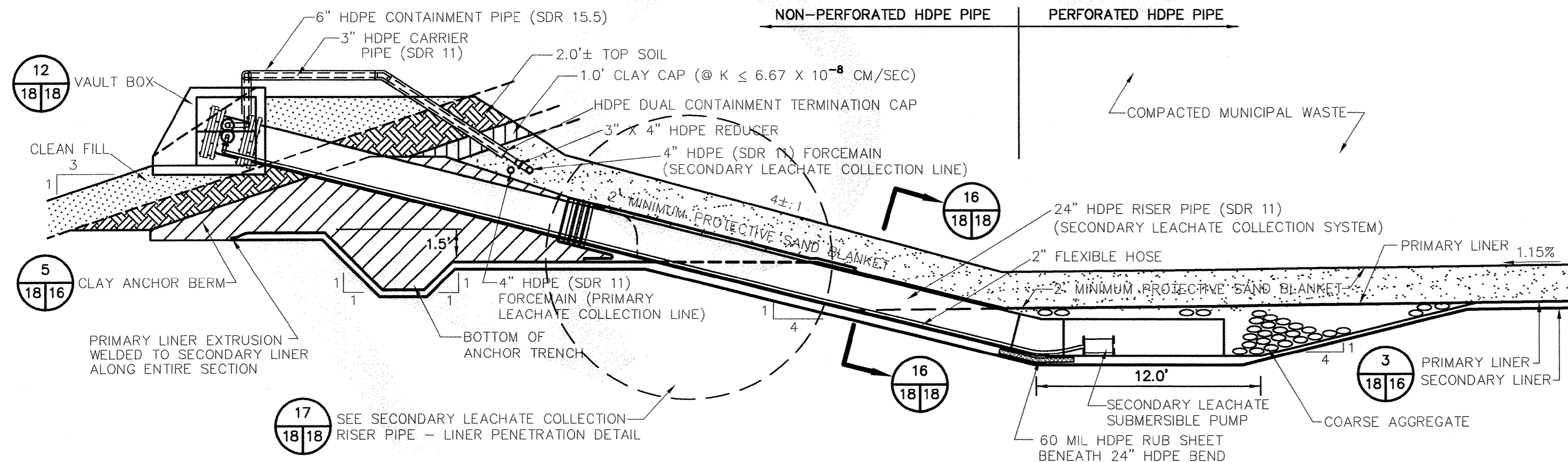


**PRIMARY LEACHATE COLLECTION SYSTEM SUMP SECTION**  
SCALE: 1" = 5'

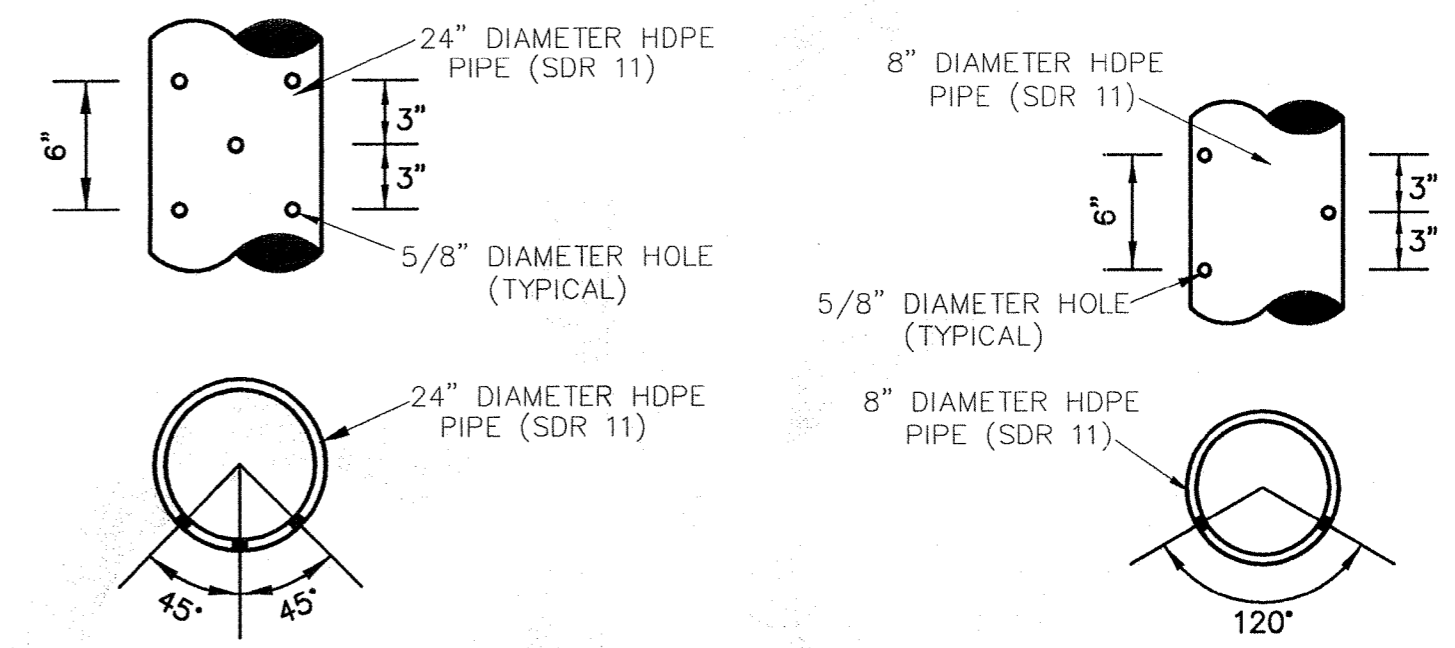


- NOTES:**
- CONTROL PANELS SHALL BE NEMA 4X CONTROL PANELS PROVIDED WITH: NEMA RATED MOTOR STARTERS; ELAPSED TIME METERS; HOA SELECTORS; HEAT SENSORS; LIGHTNING ARRESTORS; SURGE SUPPRESSORS; AND POWER MONITORS.
  - INTERIOR OF VAULT BOXES SHALL BE COATED WITH WATERPROOFING.

**PLAN VIEW VAULT BOX**  
N.T.S.

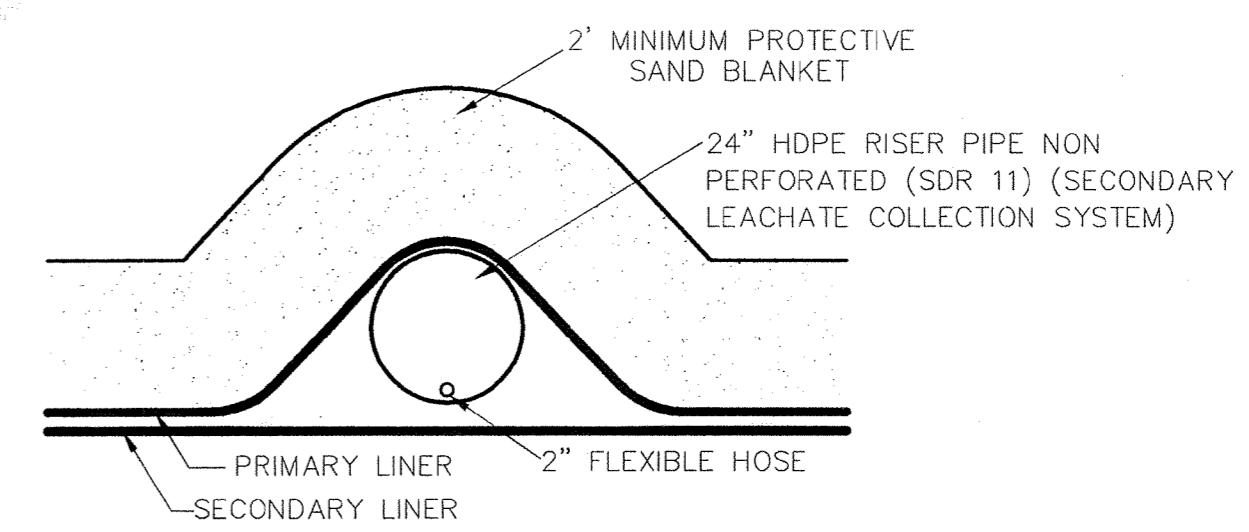


**SECONDARY LEACHATE COLLECTION SYSTEM SUMP SECTION**  
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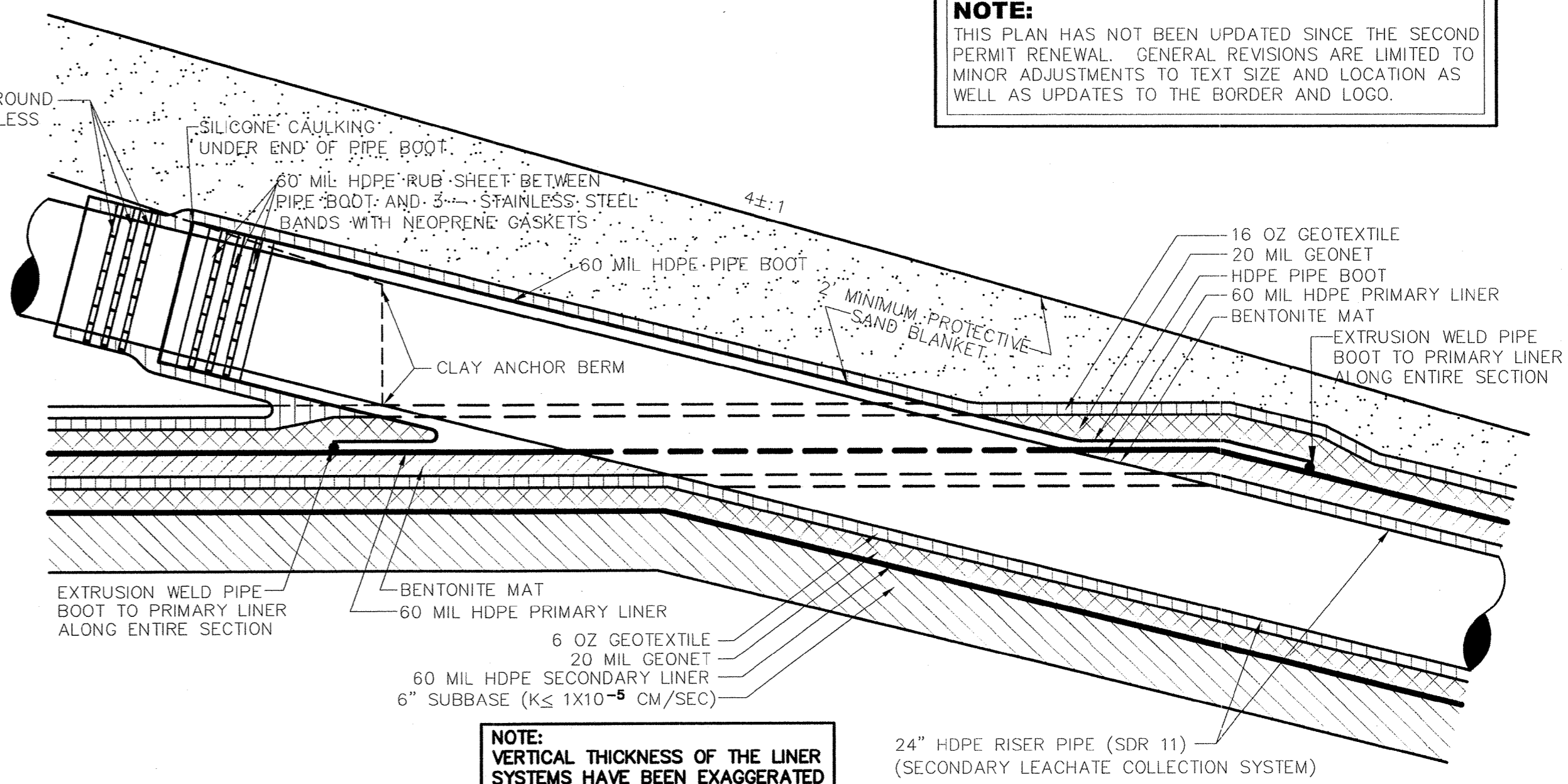


**24" LEACHATE COLLECTION PIPING PERFORATION**  
14/18

**8" LEACHATE COLLECTION PIPING PERFORATION**  
15/18



**SECONDARY LEACHATE COLLECTION PIPE SECTION**  
N.T.S.



**SECONDARY LEACHATE COLLECTION RISER PIPE - LINER PENETRATION DETAIL**  
N.T.S.

**NOTE:**  
THIS PLAN HAS NOT BEEN UPDATED SINCE THE SECOND PERMIT RENEWAL. GENERAL REVISIONS ARE LIMITED TO MINOR ADJUSTMENTS TO TEXT SIZE AND LOCATION AS WELL AS UPDATES TO THE BORDER AND LOGO.

**NOTE:**  
THIS PLAN HAS NOT BEEN UPDATED SINCE THE SECOND PERMIT RENEWAL. GENERAL REVISIONS ARE LIMITED TO MINOR ADJUSTMENTS TO TEXT SIZE AND LOCATION AS WELL AS UPDATES TO THE BORDER AND LOGO.

**NOTE:**  
VERTICAL THICKNESS OF THE LINER SYSTEMS HAVE BEEN EXAGGERATED FOR CLARITY PURPOSES ONLY.

PERMIT DOCUMENT

LEACHATE TRENCH AND SUMP DETAILS  
TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL  
FOR  
TRAIL RIDGE LANDFILL, INC.

**England-Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER: 2584  
PHONE NUMBER (904) 642-8990 FAX NUMBER (904) 646-9485

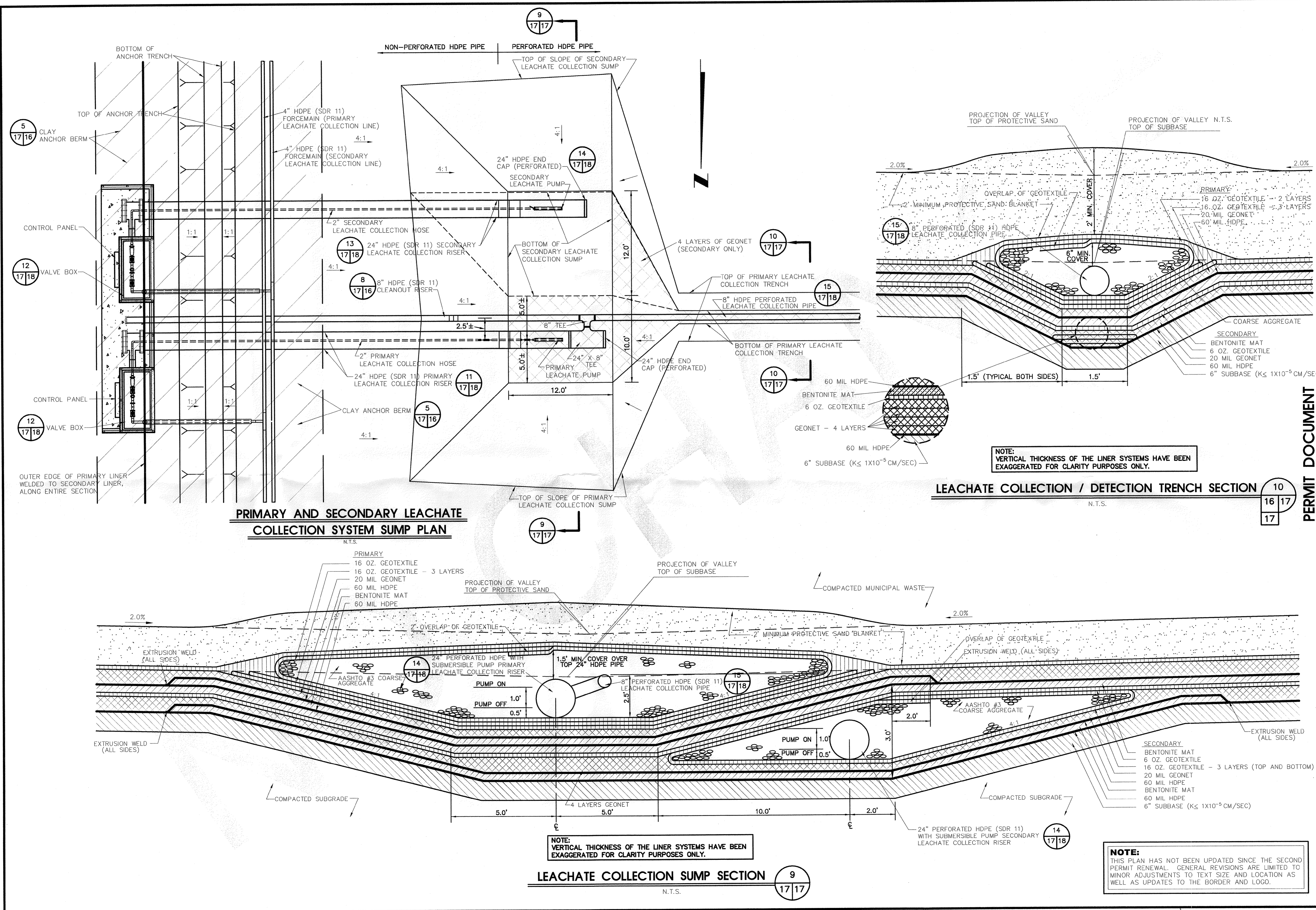
DRAWING NO.  
**17**

PLANS PREPARED UNDER THE DIRECTION OF:  
*Jonathan Bader*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245

REVISIONS:  
9-15-08 GENERAL REVISIONS.  
ETM NO. E 07-044-01  
DRAWN BY: S. Lockwood  
DESIGNED BY: J. Clem  
CHECKED BY: J. Clem  
DATE: September 25, 2002

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*Inspected*  
OCULUS  
Initials *sc*  
Date *10-28-08*



PLANS PREPARED UNDER THE  
DIRECTION OF:  
*Juanita Bader, CLEM, P.E.*  
JUANITA BADER, CLEM, P.E.  
P.E. NO. 43245  
Printed: Oct 14, 2008 - 3:08pm By: mrcorried

REVISIONS:  
9-15-08 GENERAL REVISIONS.

ETW NO. E 07-044-01  
DRAWN BY: S. Lockwood  
DESIGNED BY: J. Clem  
CHECKED BY: J. Clem  
DATE: September 25, 2002

LEACHATE SUMP AND VAULT BOX DETAILS

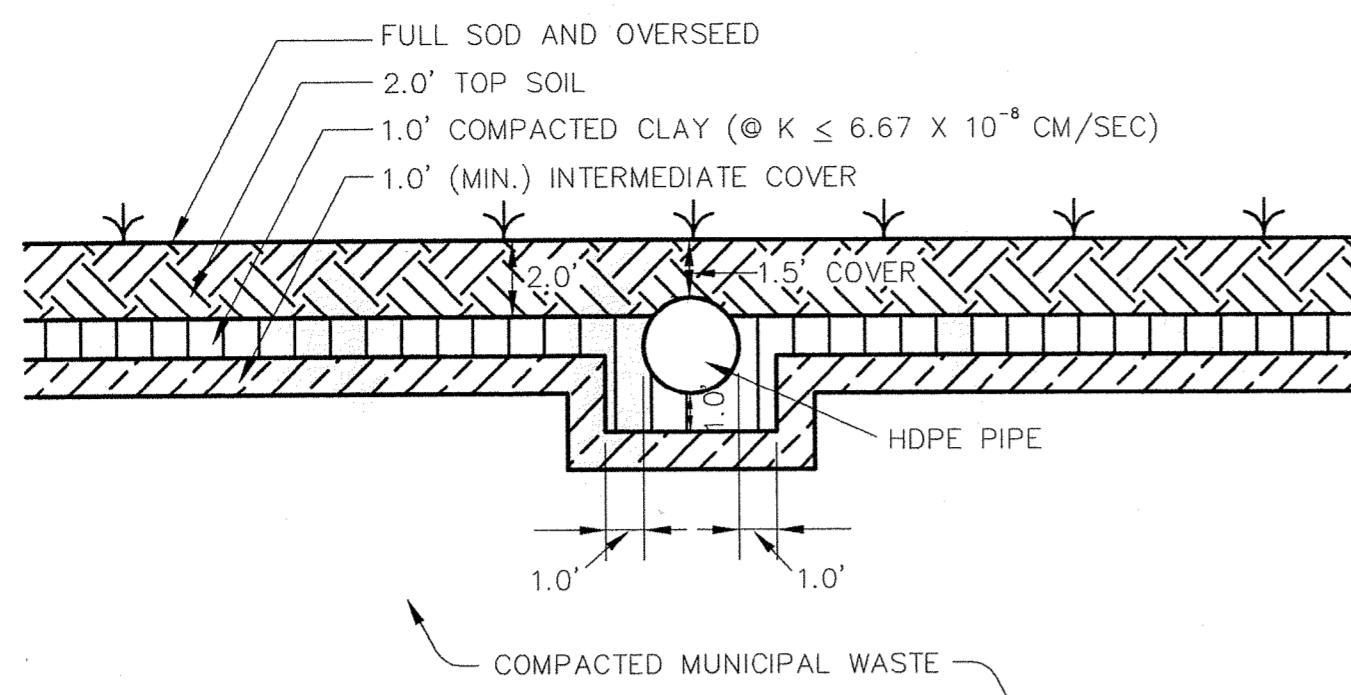
FOR  
TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL  
FOR  
TRAIL RIDGE LANDFILL, INC.

England, Thims & Miller, Inc.  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14776 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32256  
CERTIFICATE OF AUTHORIZATION NUMBER 2594  
PHONE NUMBER (904) 642-9990 FAX NUMBER (904) 646-9485

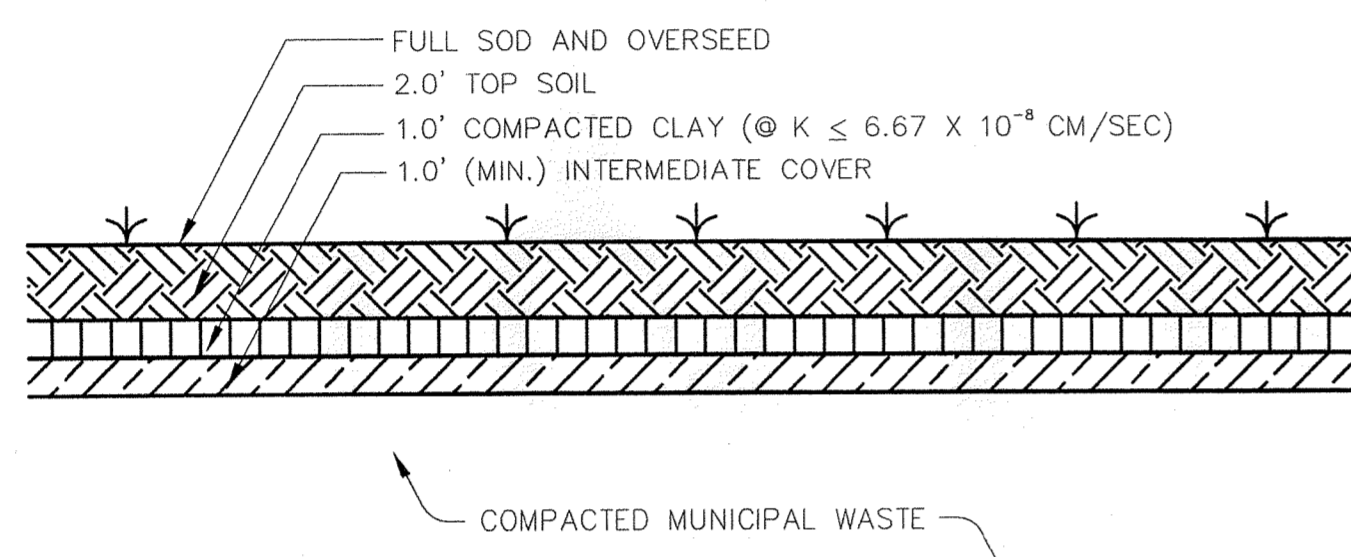
DRAWING NO.  
**18**

OCULUS  
Initials SC  
Date 10-28-08

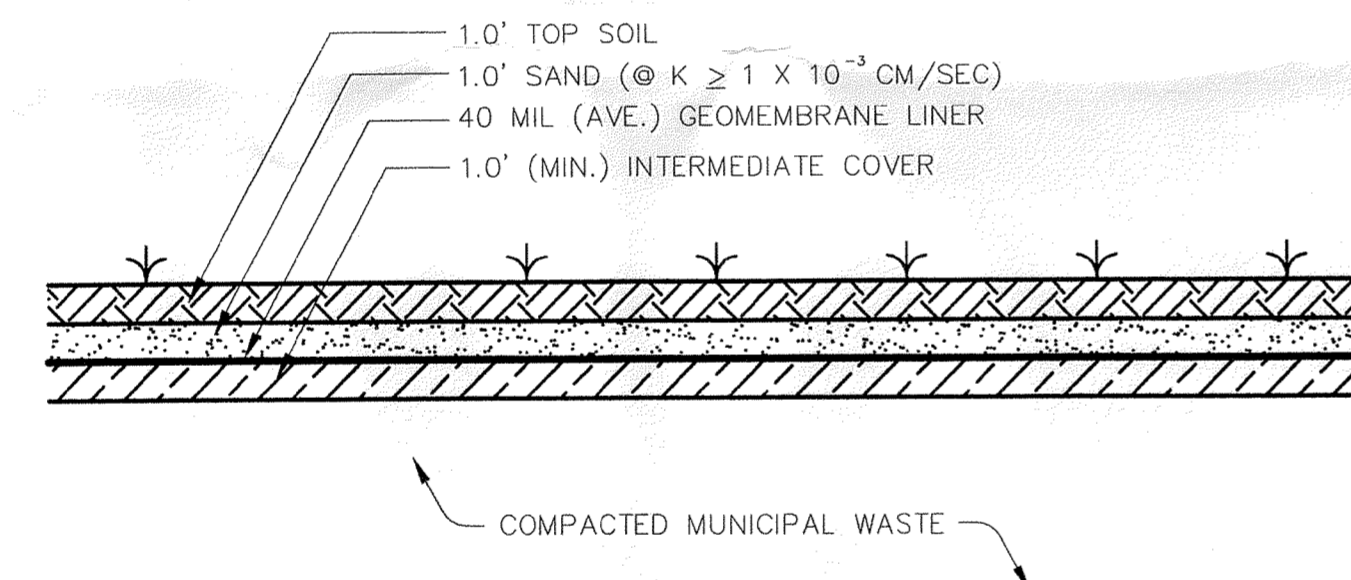




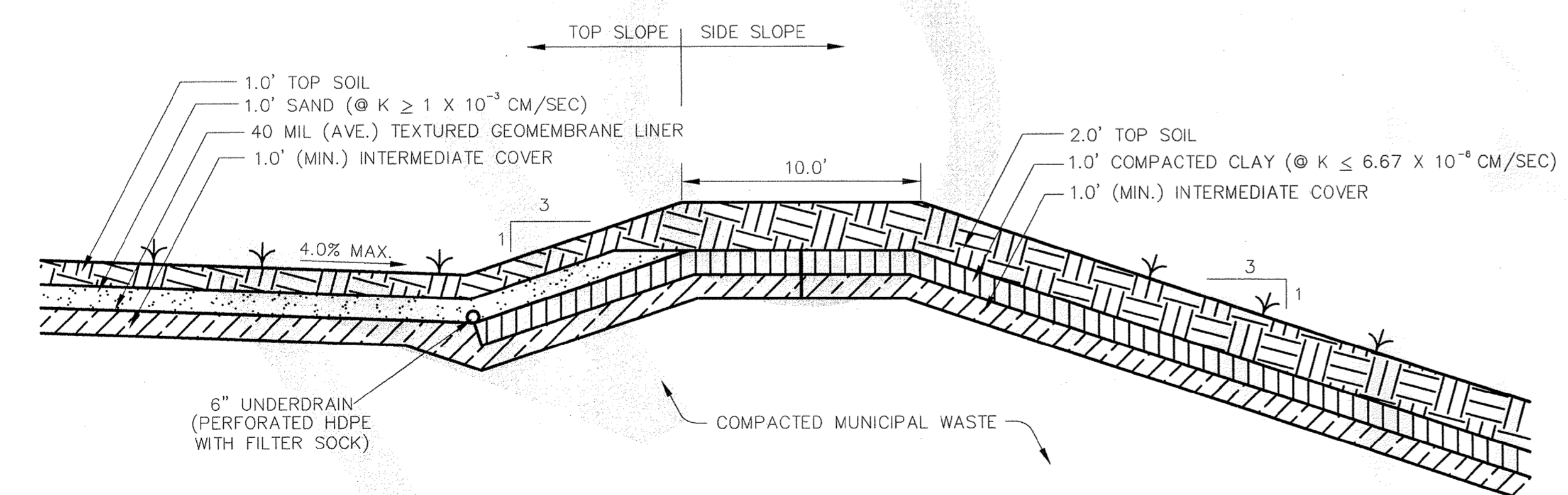
**TYPICAL PIPE ENCASEMENT SECTION**  
N.T.S. 21  
20/20



**FINAL COVER - SIDE SLOPE UNIT**  
N.T.S.

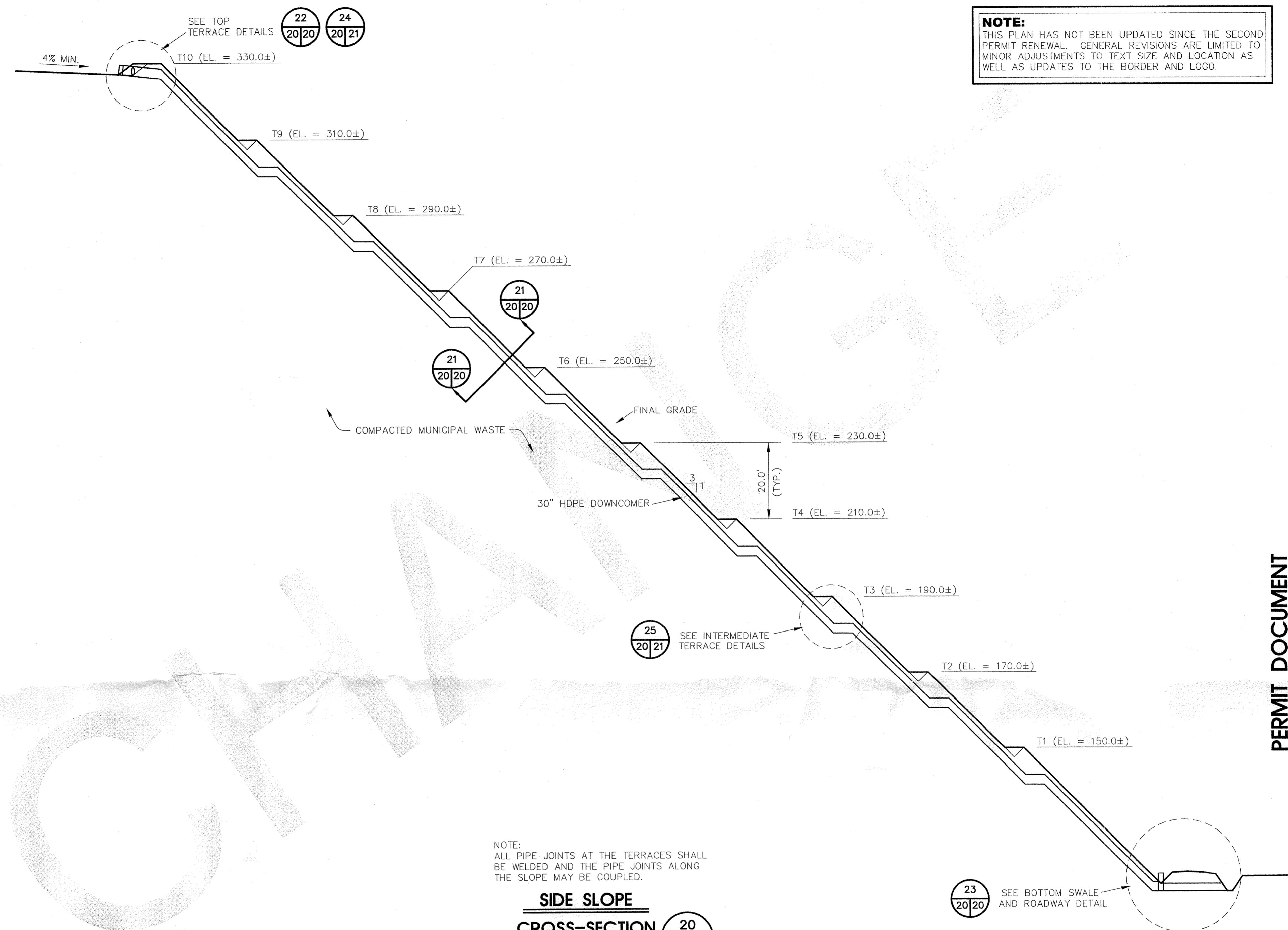


**FINAL COVER - TOP SLOPE**  
N.T.S.



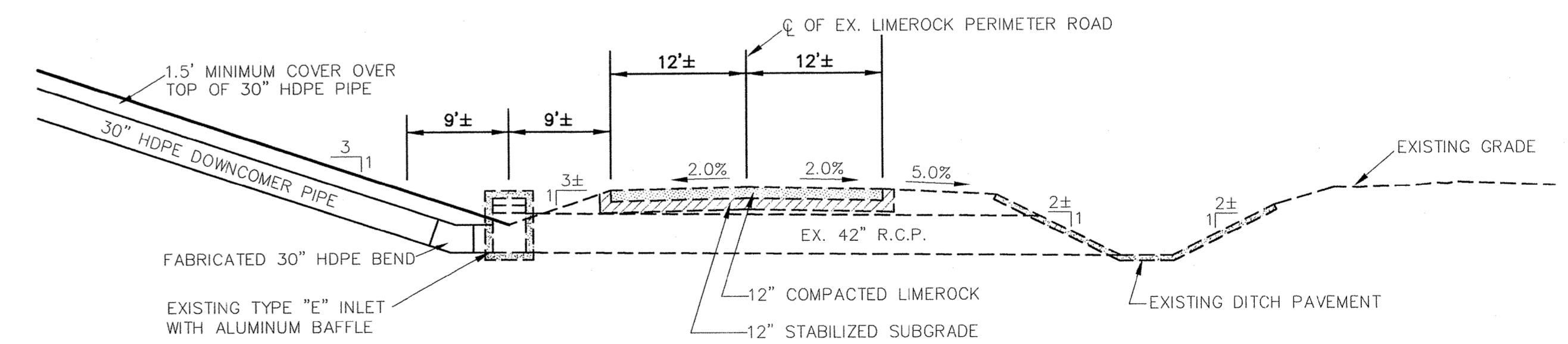
**TOP TERRACE BERM DETAIL**  
N.T.S. 22  
20/20

NOTE:  
THE 12" COMPACTED CLAY LAYER SHALL  
BE PLACED IN TWO 6" (MINIMUM) LIFTS.



NOTE:  
ALL PIPE JOINTS AT THE TERRACES SHALL  
BE WELDED AND THE PIPE JOINTS ALONG  
THE SLOPE MAY BE COUPLED.

**SIDE SLOPE  
CROSS-SECTION**  
N.T.S. 20  
9/20



**BOTTOM SWALE AND ROADWAY DETAIL**  
N.T.S. 23  
20/20

**NOTE:**  
THIS PLAN HAS NOT BEEN UPDATED SINCE THE SECOND  
PERMIT RENEWAL. GENERAL REVISIONS ARE LIMITED TO  
MINOR ADJUSTMENTS TO TEXT SIZE AND LOCATION AS  
WELL AS UPDATES TO THE BORDER AND LOGO.

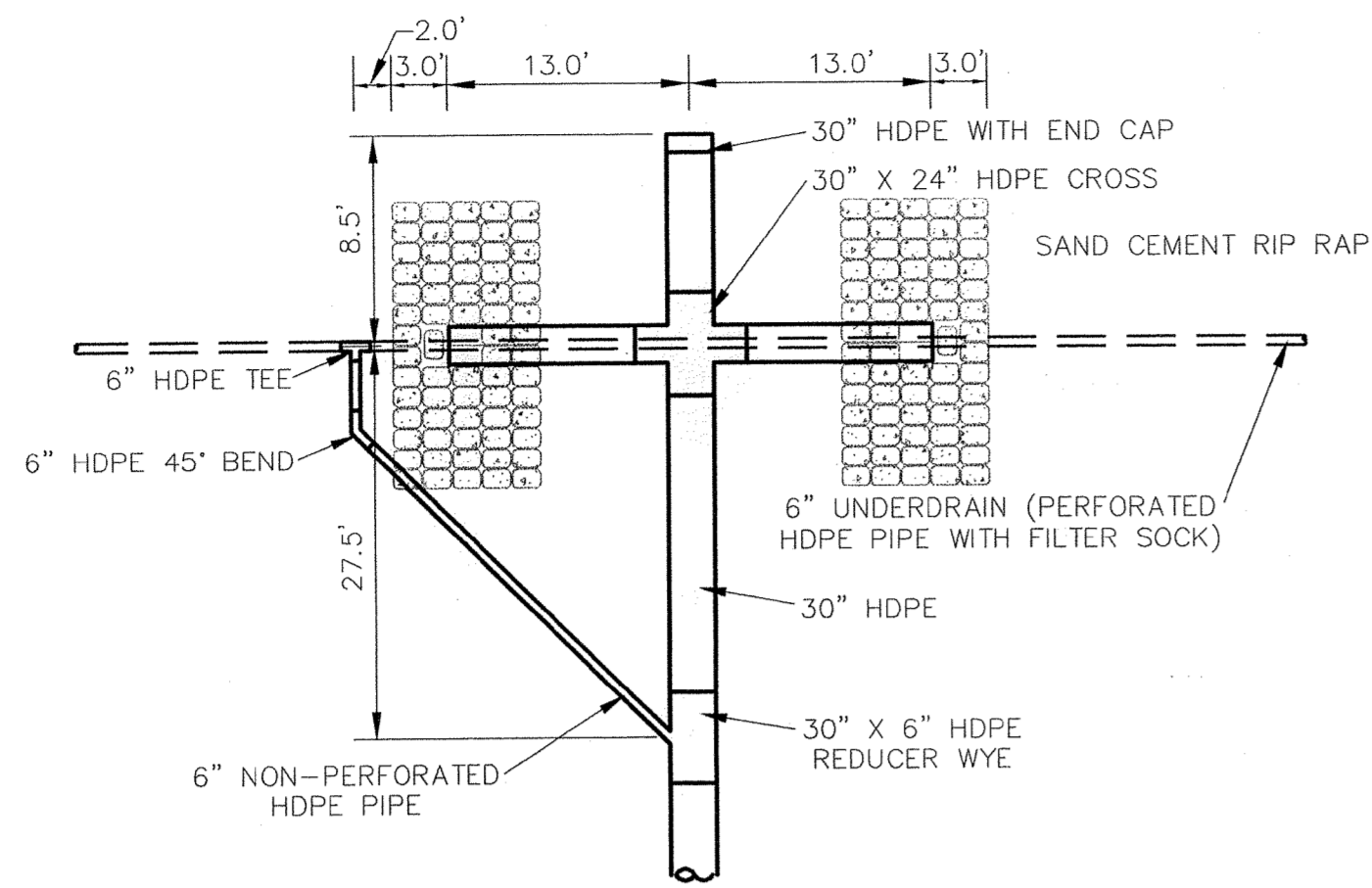
PERMIT DOCUMENT

**CLOSURE DETAILS**  
**TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL**  
**FOR**  
**TRAIL RIDGE LANDFILL, INC.**

**England-Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER: 2564  
PHONE NUMBER (904) 642-8900 FAX NUMBER (904) 646-9465

DRAWING NO.  
**20**

Inspected  
OCULUS  
Initials SC  
Date 10-28-08



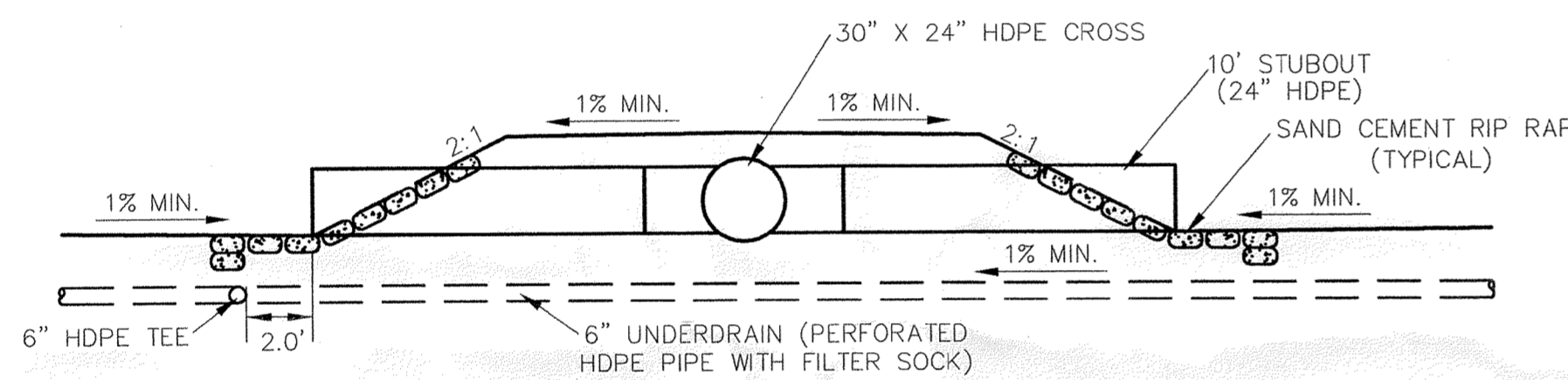
NOTES:

1. ALL PIPE JOINTS INCLUDING END JOINTS AT THE TERRACES SHALL BE WELDED JOINTS.

TOP TERRACE PIPING - PLAN VIEW

N.T.S.

24  
20 21



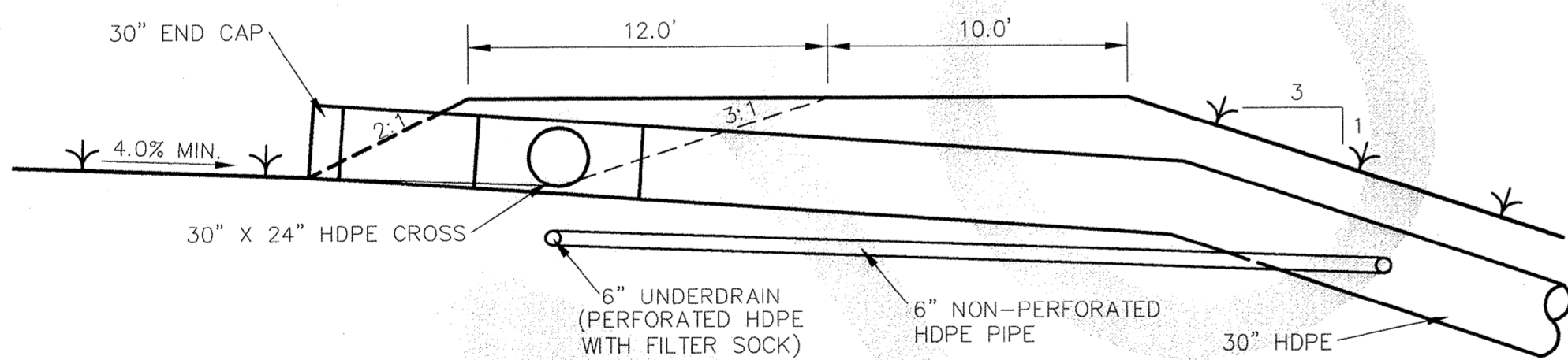
NOTES:

1. ALL PIPE JOINTS INCLUDING END JOINTS AT THE TERRACES SHALL BE WELDED JOINTS.

TOP TERRACE PIPING - SECTION VIEW

N.T.S.

24  
20 21



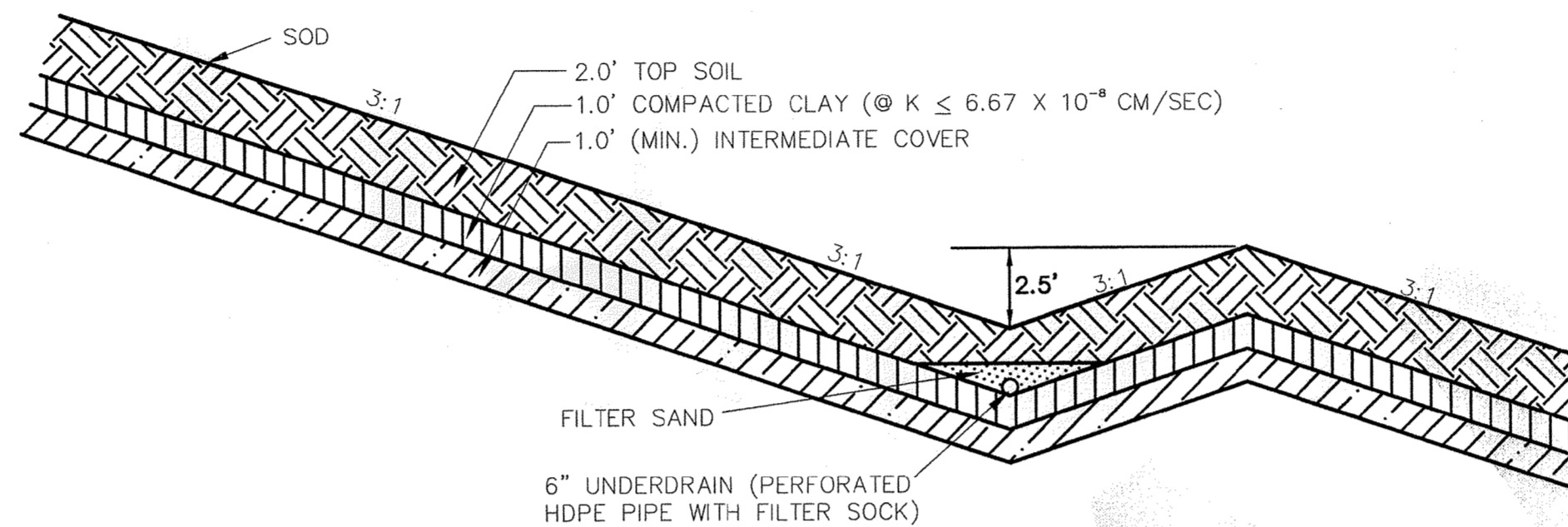
NOTES:

1. ALL PIPE JOINTS INCLUDING END JOINTS AT THE TERRACES SHALL BE WELDED JOINTS.

TOP TERRACE PIPING DETAIL

N.T.S.

24  
20 21

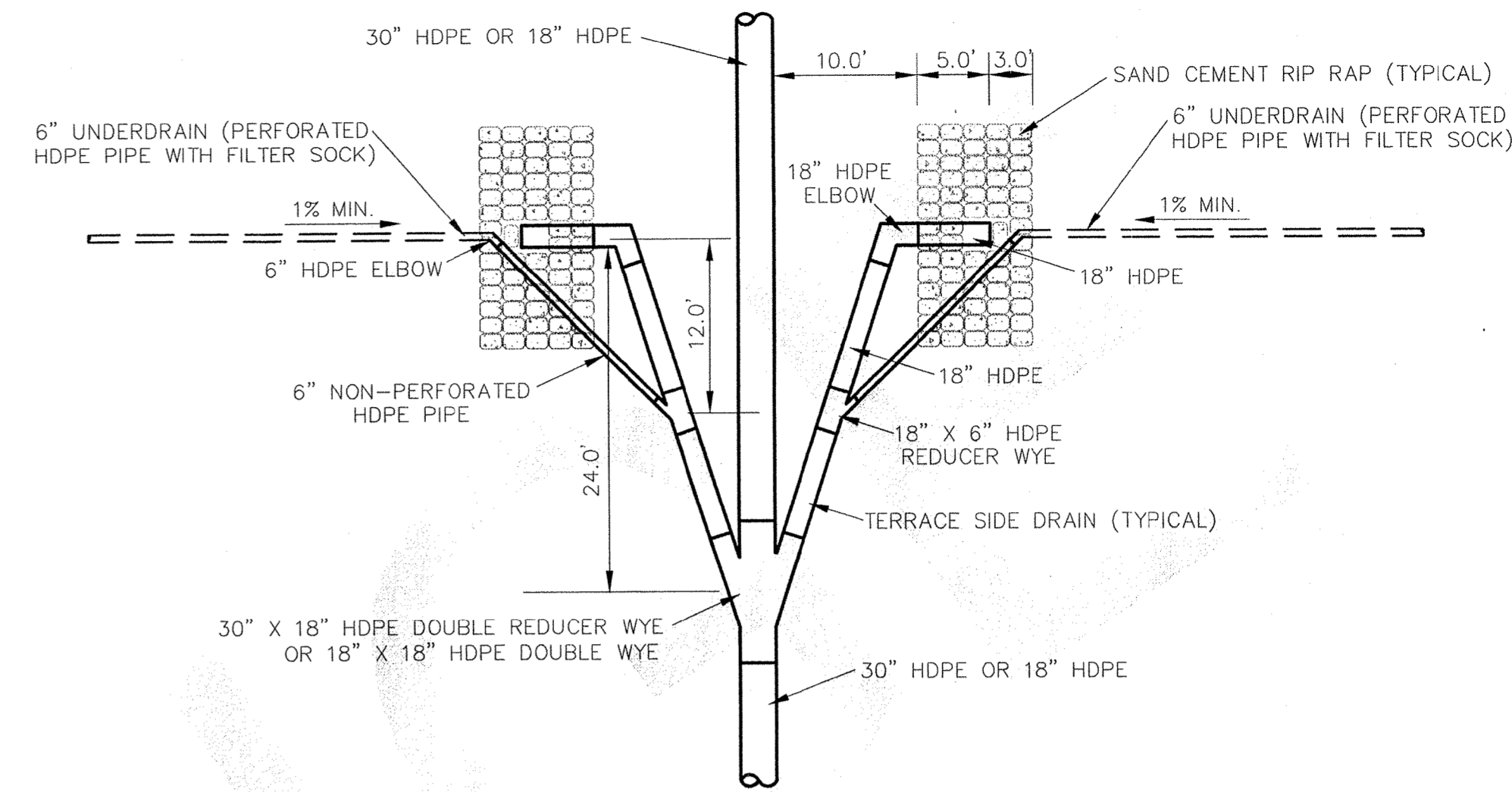


NOTE:

THE 12" COMPACTED CLAY LAYER SHALL BE PLACED IN TWO 6" (MINIMUM) LIFTS.

TYPICAL TERRACE SECTION

N.T.S.



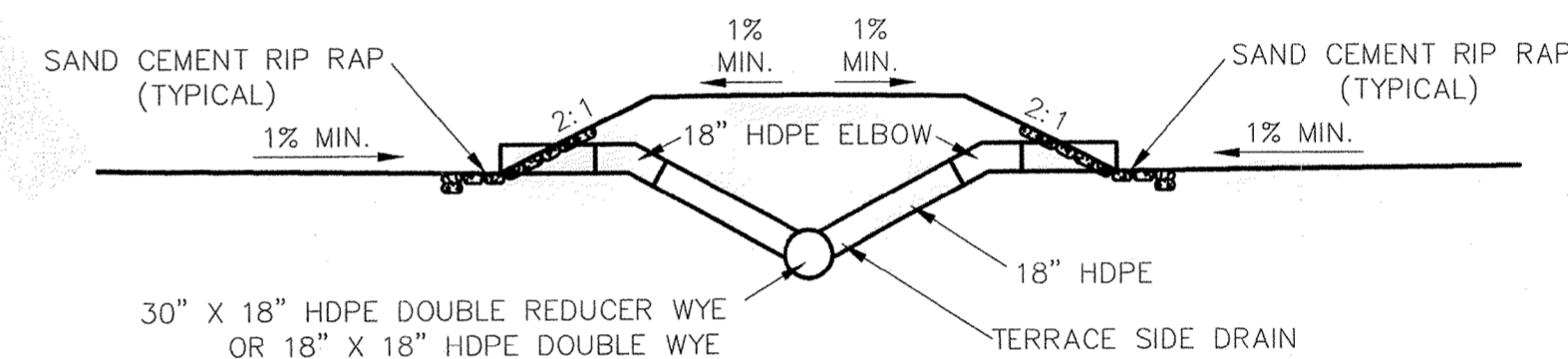
NOTES:

1. ALL PIPE JOINTS INCLUDING END JOINTS AT THE TERRACES SHALL BE WELDED JOINTS.

INTERMEDIATE TERRACE PIPING - PLAN VIEW

N.T.S.

25  
20 21



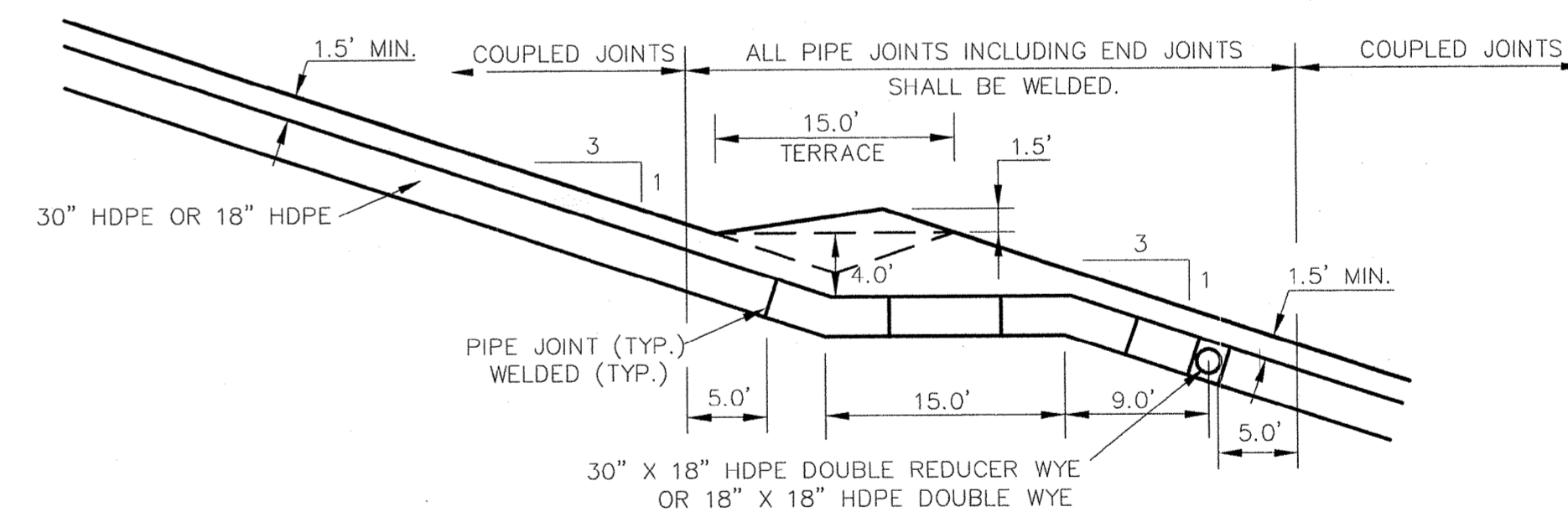
NOTES:

1. ALL PIPE JOINTS INCLUDING END JOINTS AT THE TERRACES SHALL BE WELDED JOINTS.

INTERMEDIATE TERRACE PIPING - SECTION VIEW

N.T.S.

25  
20 21



NOTES:

1. ALL PIPE JOINTS INCLUDING END JOINTS AT THE TERRACES SHALL BE WELDED JOINTS.

INTERMEDIATE TERRACE PIPING DETAIL

N.T.S.

25  
20 21

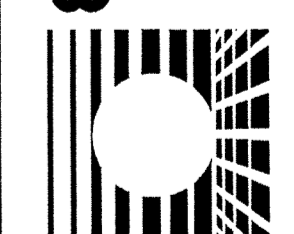
**NOTE:**  
THIS PLAN HAS NOT BEEN UPDATED SINCE THE SECOND PERMIT RENEWAL. GENERAL REVISIONS ARE LIMITED TO MINOR ADJUSTMENTS TO TEXT SIZE AND LOCATION AS WELL AS UPDATES TO THE BORDER AND LOGO.

PERMIT DOCUMENT

CLOSURE DETAILS

TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL  
FOR  
TRAIL RIDGE LANDFILL, INC.

**England, Thims & Miller, Inc.**  
ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32268  
CERTIFICATE OF AUTHORIZATION NUMBER: 2684  
PHONE NUMBER (904) 642-8990 FAX NUMBER (904) 646-9485



DRAWING NO.

21

PLANS PREPARED UNDER THE  
DIRECTION OF:

*Juanita Bader*  
JUANITA BADER, C.E.M., P.E.  
P.E. NO. 43245

REVISIONS:  
9-15-08 GENERAL REVISIONS.

ETW NO. E 07-044-01  
DRAWN BY: S. Lockwood

DESIGNED BY: J. Clem

CHECKED BY: J. Clem

DATE: September 25, 2002

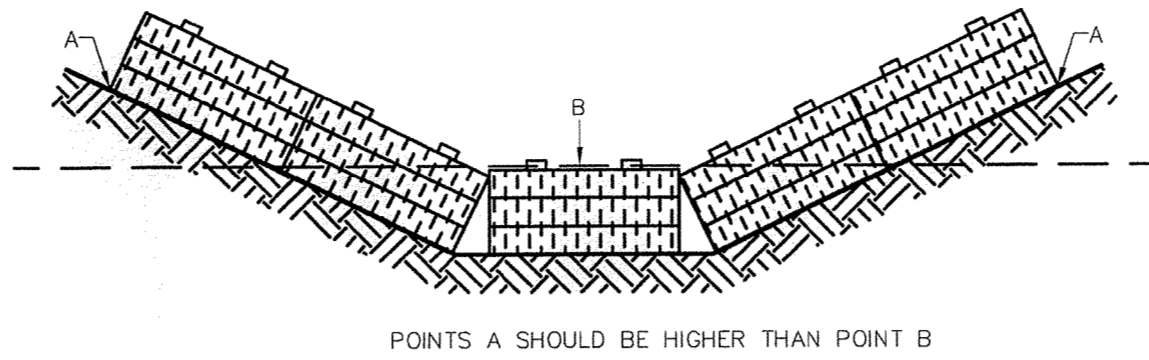
Plotted: Oct 14, 2008 - 3:08pm By: mcmrnm

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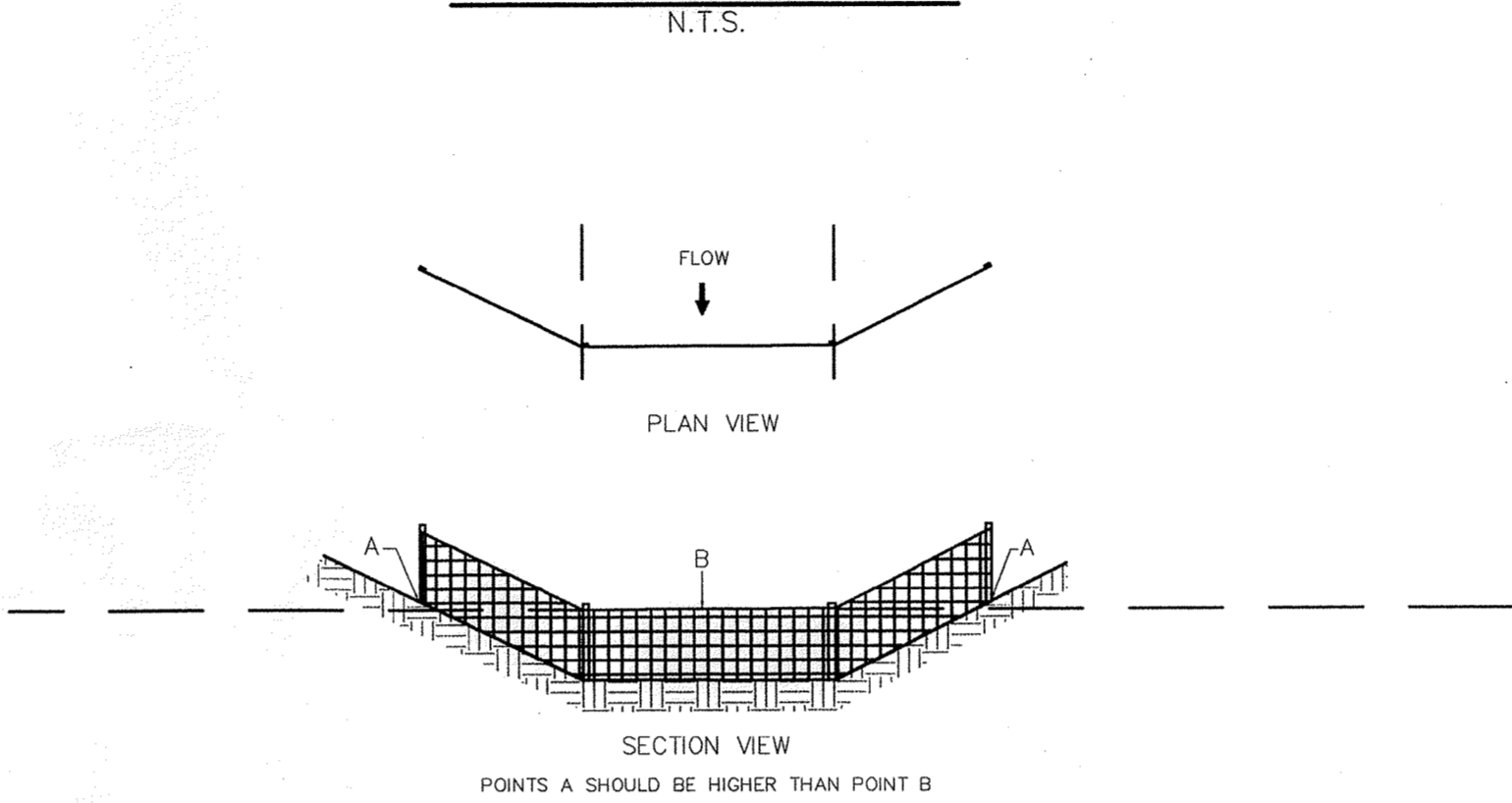
*inserted*  
OCULUS  
Initials *SC*  
Date *10-28-08*

SEDIMENT AND EROSION CONTROL NOTES

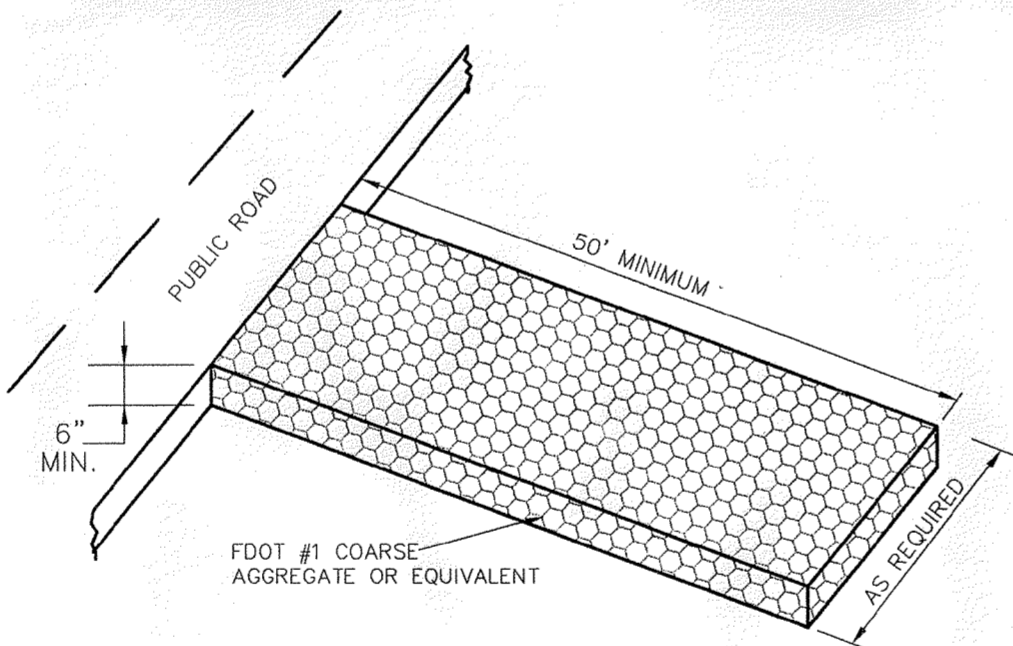
1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDITIONAL PROTECTION - ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
5. WIRE MESH SHALL BE LAID OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.
6. FDOT NO. 1 COARSE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED ON SEDIMENT FILTER DETAIL. (SEE DETAIL THIS SHEET). THE DEPTH OF STONE SHALL BE AT LEAST 12 INCHES OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
7. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.
8. BALES SHALL BE EITHER WIRE-BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
9. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOGETHER.
10. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED, A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
11. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
12. LOOSE STRAW SHOULD BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.
13. STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
14. CLOSE ATTENTION SHALL BE GIVEN TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
15. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
16. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. IT MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
17. ANY SEDIMENT DEPOSITS REMAINING IN PLACE, AFTER THE STRAW BALE OR FILTER BARRIERS, AND OR SILT FENCES ARE NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
18. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
19. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE, AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED IMMEDIATELY.
20. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
21. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
22. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT SPECIFICATIONS AND CRITERIA.
23. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (F.D.E.R.) CHAPTER 6.
24. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAILS (THIS SHEET) FOR TYPICAL CONSTRUCTION.
25. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
26. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
27. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
28. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED AND MULCHED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR SHALL USE ADDITIONAL MEASURES TO STABILIZE DISTURBED AREAS THROUGH COMPACTION, SILT SCREENS, HAY BALES, AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.
29. ALL DEWATERING, EROSION, AND SEDIMENT CONTROL SHALL REMAIN IN PLACE UNTIL AFTER COMPLETION OF CONSTRUCTION, AND REMOVED ONLY WHEN AREAS HAVE BEEN STABILIZED.
30. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
31. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL WATER MANAGEMENT DISTRICT INQUIRIES, RELATIVE TO COMPLIANCE OF SJRWMD FOR EROSION AND SEDIMENTATION CONTROL. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.
32. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS AND SPECIFICATIONS AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT RULES AND REGULATIONS.
33. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS AND PRESERVATION EASEMENTS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF SOD AND/OR GRASS PER THE CONTRACT DOCUMENTS THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND ST. JOHNS COUNTY STANDARDS AND MEETING THE NPDES FINAL STABILIZATION REQUIREMENTS.
35. THESE PLANS INCLUDING THE POLLUTION PREVENTION PLAN INDICATE THE MINIMUM EROSION & SEDIMENT CONTROL MEASURES REQUIRED FOR THIS PROJECT. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL, REFER TO "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.) CHAPTER 6. CONTRACTOR SHALL PROVIDE EROSION PROTECTION AND TURBIDITY CONTROL AS REQUIRED TO INSURE CONFORMANCE TO STATE AND FEDERAL WATER QUALITY STANDARDS AND MAY NEED TO INSTALL ADDITIONAL CONTROLS TO CONFORM TO AGENCIES REQUIREMENTS. IF A WATER QUALITY VIOLATION OCCURS, THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ALL DAMAGE AND ALL COSTS WHICH MAY RESULT INCLUDING LEGAL FEES, CONSULTANT FEES, CONSTRUCTION COSTS, AND FINES.
36. 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A "NOTICE OF INTENT" TO THE EPA IN ACCORDANCE WITH NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM RULES AND REGULATIONS. (FOR ANY CONSTRUCTION NOT COVERED BY THE OWNER'S "NOTICE OF INTENT" PERMIT)
37. FOR EROSION AND SEDIMENT CONTROL PLAN, SEE SHEET NO. 24A THRU 24B



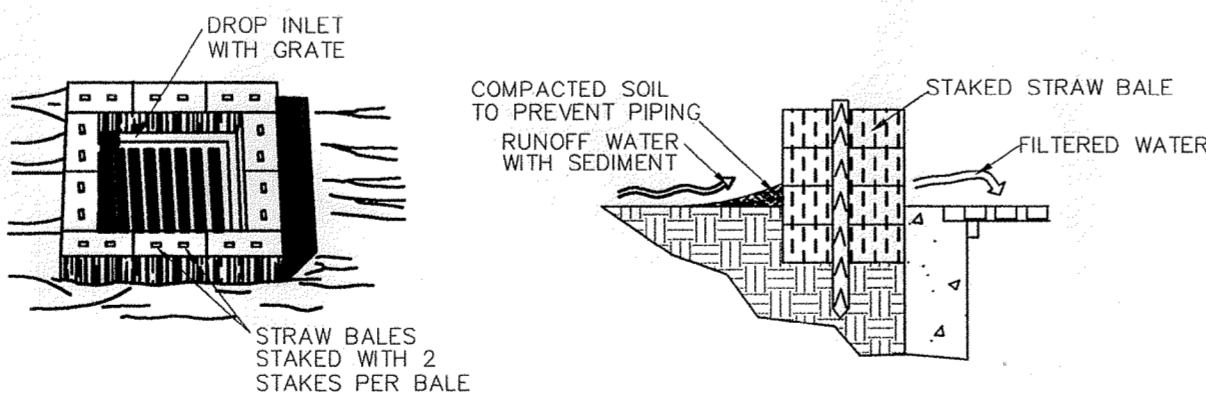
PROPER PLACEMENT OF STRAW BALE  
IN A DRAINAGE WAY



PROPER PLACEMENT OF A  
FILTER BARRIER IN DRAINAGE WAY

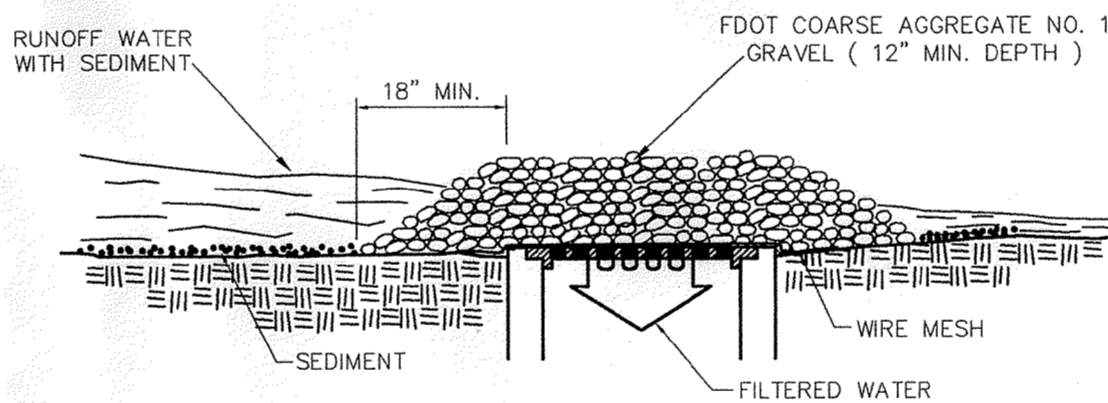


STABILIZED CONSTRUCTION ENTRANCE

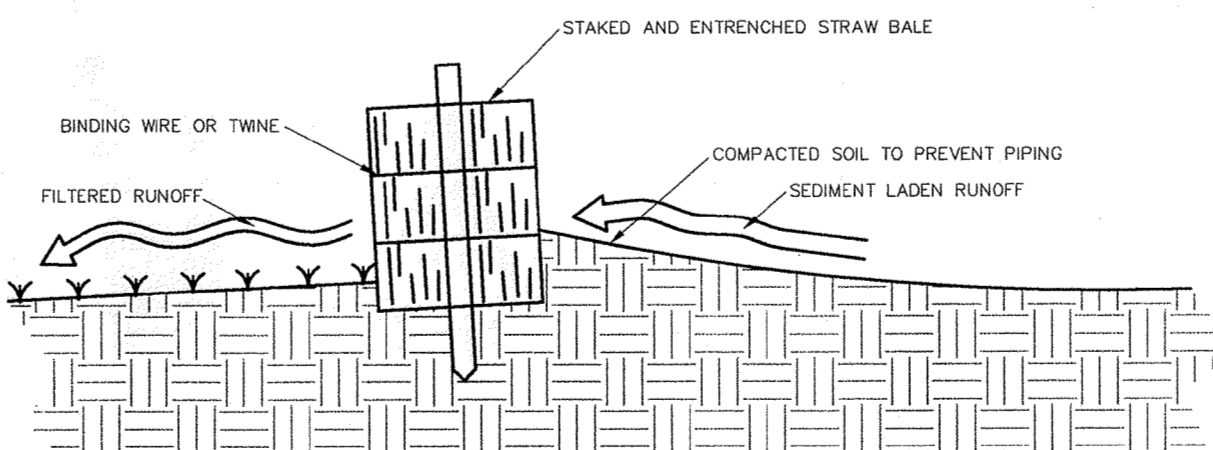


SPECIFIC APPLICATION  
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

STRAW BALE DROP INLET SEDIMENT FILTER

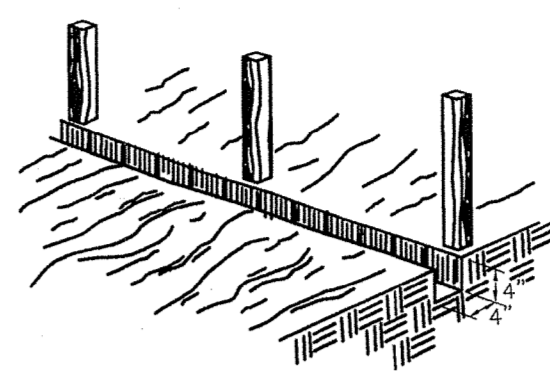


GRAVEL AND WIRE MESH DROP INLET  
SEDIMENT FILTER

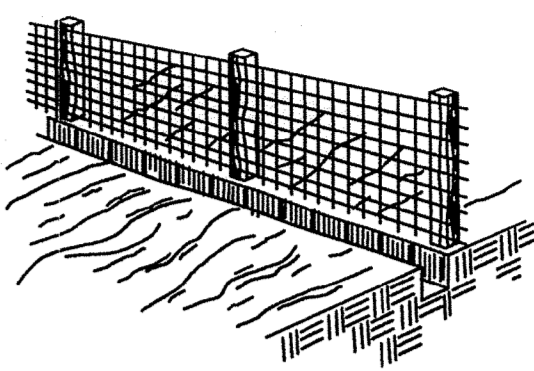


CROSS-SECTION OF A PROPERLY  
INSTALLED STRAW BALE

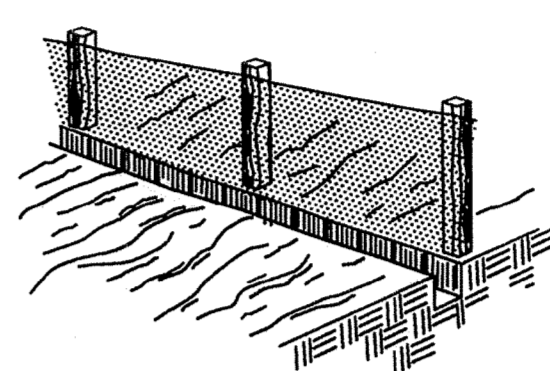
1. SET POSTS AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.



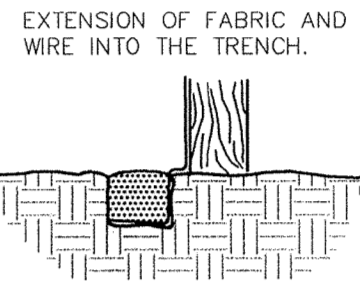
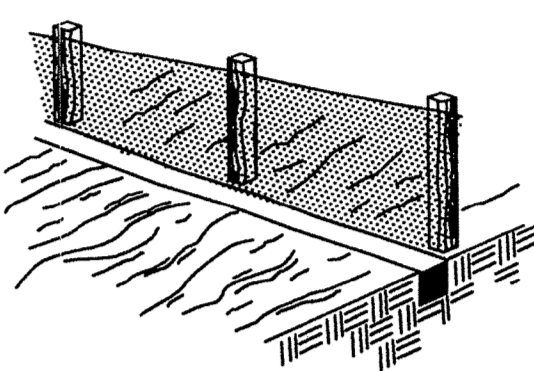
2. STAPLE WIRE FENCING TO THE POSTS.



3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.

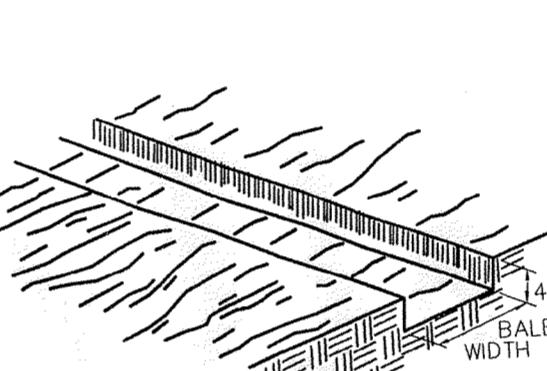


4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

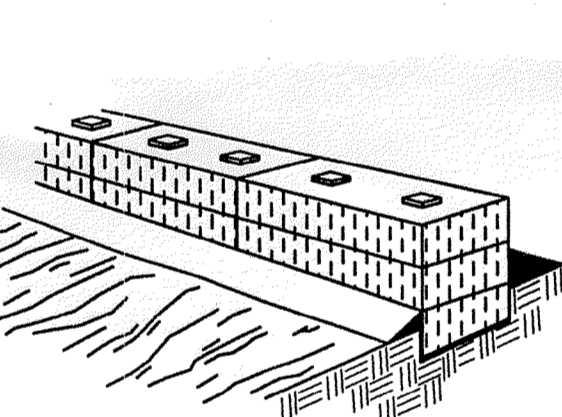
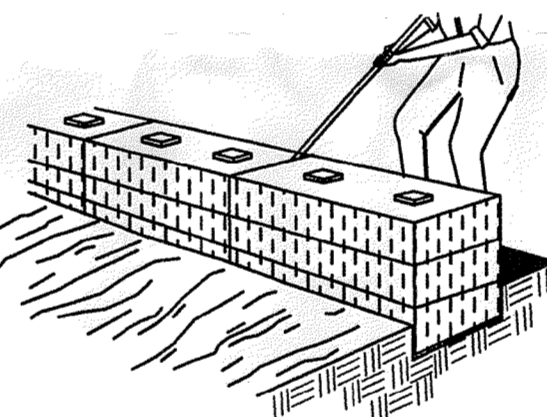
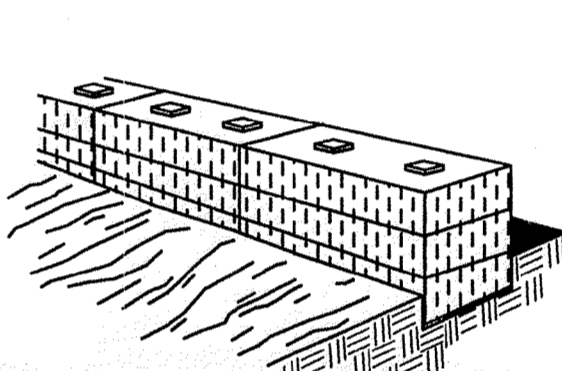


CONSTRUCTION OF SILT FENCE

1. EXCAVATE THE TRENCH

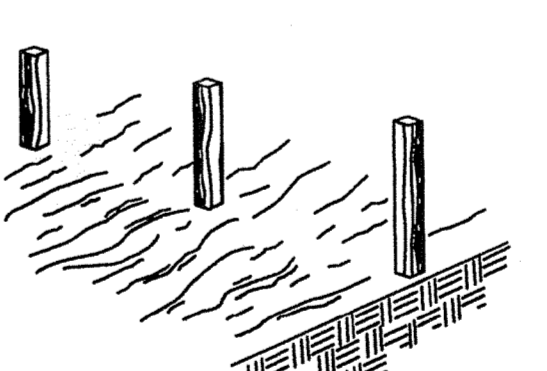


2. PLACE AND STAKE STRAW BALES.

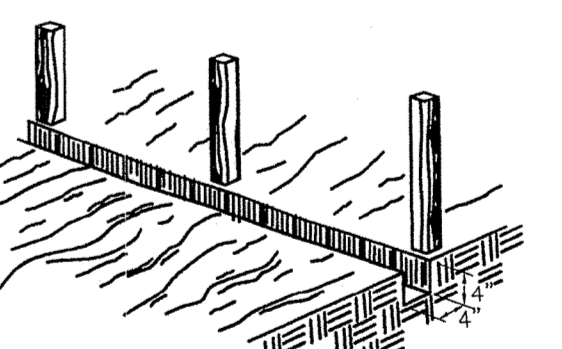


CONSTRUCTION OF A STRAW BALE BARRIER

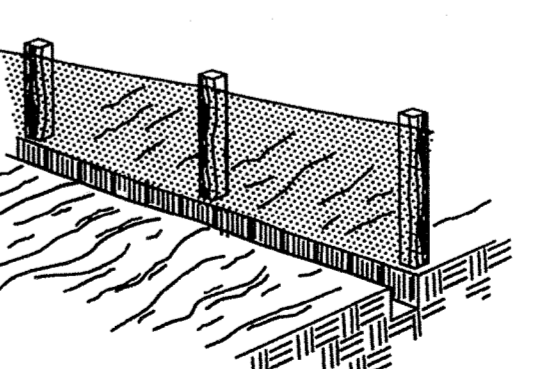
1. SET THE STAKES.



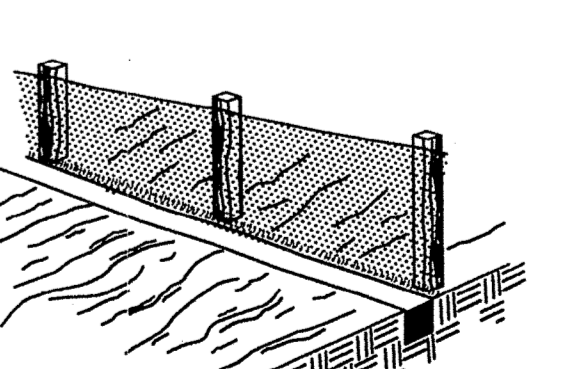
2. EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF STAKES



3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT THE EXCAVATED SOIL



CONSTRUCTION OF A FILTER BARRIER

PERMIT DOCUMENT

England-Thims & Miller, Inc.

ENGINEERS - PLANNERS - SURVEYORS - LANDSCAPE ARCHITECTS  
14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258  
CERTIFICATE OF AUTHORIZATION NUMBER: 2584  
PHONE NUMBER (904) 642-8890 FAX NUMBER (904) 646-9485



DRAWING NO.

22

REVISIONS:  
9-15-05 UPDATED.

ETM NO. E 07-044-01

DRAWN BY: S. Lockwood

DESIGNED BY: J. Clem

CHECKED BY: J. Clem

DATE: September 25, 2002

SEDIMENT AND EROSION CONTROL DETAILS

TRAIL RIDGE LANDFILL THIRD PERMIT RENEWAL

FOR

TRAIL RIDGE LANDFILL, INC.

PLANS PREPARED UNDER THE  
DIRECTION OF:

Juanitta Bader, CLEM, P.E.  
10115108  
P.E. NO. 43245

Plotted: Oct 14, 2006 - 3:08pm, By: mcmrnm

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smr  
OCCLUSILUS  
Initials: smr  
Date: 10-28-08

OWNER'S REQUIREMENTS		CONTRACTOR'S REQUIREMENTS	
<div><div>SITE DESCRIPTION</div><div>PROJECT NAME AND LOCATION: <b>TRAIL RIDGE LANDFILL 5110 U.S. HIGHWAY 301 BALDWIN, FLORIDA 32234</b></div><div>OWNER NAME AND ADDRESS: <b>CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS</b></div><div>DESCRIPTION:  THIS PROJECT WILL CONSIST OF: <b>CONSTRUCTION AT TRAIL RIDGE LANDFILL</b></div><div>SOIL DISTURBING ACTIVITIES WILL INCLUDE: INCREMENTAL CLOSURE OF SIDE SLOPES.</div><div>RUNOFF CURVE NUMBERS 1. PRE-CONSTRUCTION = <b>55</b> 2. DURING CONSTRUCTION = <b>55-95</b> 3. POST-CONSTRUCTION = <b>95</b></div><div>SOILS: <b>PREVIOUSLY CLEARED AREAS FOR LANDFILL PHASES SOLID WASTE INITIAL COVER</b></div><div>SITE MAPS: * <b>SEE ATTACHED SHEET NUMBER 5 FOR PRE &amp; POST DEVELOPMENT GRADES, AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS.</b></div><div>SITE AREA: 1. TOTAL AREA OF SITE = <b>978 ACRES ±</b></div><div>NAME OF RECEIVING WATERS: <b>HEADWATERS OF DEEP CREEK</b></div><div><div>NOTE</div><div>THIS SEDIMENT AND EROSION CONTROL PLAN IS FOR CONSTRUCTION ONLY. SEE OPERATIONS PLAN FOR SEDIMENT AND EROSION CONTROL DURING OPERATION.</div></div><div>CONTROLS</div></div> <div><div>THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. DRAWING NO. 22 HAVE BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS AS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS REQUIREMENTS" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.</div><div>STORM WATER MANAGEMENT</div><div>STORM WATER DRAINAGE WILL BE PROVIDED BY SWALES, STORM SEWER, INLETS, CATCH BASINS AND A PERIMETER DITCH. AREAS WHICH ARE NOT DEVELOPED BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER THE GRADING IS COMPLETE WHERE PRACTICAL.</div><div>WHEN UPSLOPE AREAS ARE STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN, AND THE AREAS ON THE SIDE OF THE BASIN WILL BE PLANTED WITH VEGETATION. THE STORMWATER POND AND THE WET DETENTION SYSTEM IS DESIGNED WITH A 21 DAY MINIMUM RESIDENCE TIME. THIS IS IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT FOR THIS TYPE OF DEVELOPMENT AT THE TIME OF PERMITTING.</div><div>REFER TO " CONTRACTORS REQUIREMENTS" FOR THE TIMING OF CONTROL/MEASURES.</div><div><div>CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS</div><div>D.E.P. DREDGE/FILL PERMIT <b># 161821182</b> C.O.E. DREDGE/FILL PERMIT <b># N/A</b> S.J.R.W.M.D. M.S.S.W. PERMIT <b># 0013493-002-SC</b> CITY OF JACKSONVILLE DEVELOPMENT PERMIT <b># N/A</b></div></div><div>POLLUTION PREVENTION PLAN CERTIFICATION</div><div>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</div><div>SIGNED: _____</div><div>TITLE: _____ CORPORATE OFFICER, GENERAL PARTNER, PROPRIETOR, EXECUTIVE OFFICER, OR RANKING ELECTED OFFICIAL</div><div>DATE: _____</div></div> <div><div>GENERAL</div><div>THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION, THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS, DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.</div><div>SEQUENCE OF MAJOR ACTIVITIES:</div><div>THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:</div><div><div>1. INSTALL STABILIZED CONSTRUCTION ENTRANCE</div><div>9. INSTALL UTILITIES, STORM SEWER, CURBS &amp; GUTTER.</div><div>2. INSTALL SILT FENCES AND HAY BALES AS REQUIRED</div><div>10. APPLY BASE TO PARKING AREAS</div><div>3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT</div><div>11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING</div><div>4. CONSTRUCT SEDIMENTATION BASIN</div><div>12. COMPLETE FINAL PAVING</div><div>5. CONTINUE CLEARING AND GRUBBING</div><div>13. REMOVE ACCUMULATED SEDIMENT FROM BASINS</div><div>6. STOCK PILE TOP SOIL IF REQUIRED</div><div>14. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION</div><div>7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED</div><div>SWALES/DIKES AND RESEED/SOD AS REQUIRED</div><div>8. STABILIZE DENuded AREAS AND STOCKPILES AS SOON AS PRACTICABLE</div></div><div>NOTE: VERTICAL CONSTRUCTION OF THE BUILDING WILL BE TAKING PLACE DURING ALL THE SEQUENCE STEPS LISTED ABOVE</div><div>TIMING OF CONTROLS/MEASURES</div><div>AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, SILT FENCES AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE, SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, ACCUMULATED SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS AND EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN. DWG. NO. <b>24A THRU 24B</b></div><div>CONTROLS</div><div>IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED , MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND SEDIMENT CONTROL PLAN AND AS REQUIRED TO MEET THE SEDIMENT AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.</div><div>EROSION AND SEDIMENT CONTROLS STABILIZATION PRACTICES</div><div><div>1. STRAW BALE BARRIER: STRAW BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS: A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT. B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES. C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS. D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.</div><div>2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS: A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT. B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.</div><div>3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.</div><div>4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT- FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.</div><div>5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.</div><div>6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.</div></div><div>OTHER CONTROLS</div><div>WASTE DISPOSAL WASTE MATERIALS ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.</div><div>HAZARDOUS WASTE ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.</div><div>SANITARY WASTE ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.</div><div>OFFSITE VEHICLE TRACKING A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP/AULIN.</div></div> <div><div>INVENTORY FOR POLLUTION PREVENTION PLAN</div><div>THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:</div><div><div>Concrete Asphalt Tar Detergents</div><div>Fertilizers Petroleum Based Products Cleaning Solvents Paints</div><div>Wood Masonry Blocks Roofing Materials Metal Studs</div></div><div>SPILL PREVENTION</div><div>MATERIAL MANAGEMENT PRACTICES THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF. GOOD HOUSEKEEPING THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT. * AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. * ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE. * PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL. * SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. * WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF CONTAINER. * MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED. * SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL. HAZARDOUS PRODUCTS THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS. * PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. * ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RET</div></div>			