

SCS ENGINEERS

August 13, 2009
File No. 09208007.09

Mr. F. Thomas Lubozynski, P.E.
Florida Department of Environmental Protection
3319 Maguire Boulevard Suite 232
Orlando, FL 32803-3767

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AUG 14 2009
DEP Central Dist.

Subject: Volusia County Class I Revised Sequence Plan

Dear Mr. Lubozynski:

Attached you will find four sets of the revised sequence plan for the Volusia County Class I Landfill area that includes the north and east cells. The intent of the plan is to complete the west and south slopes of the north cell in the initial stages to address the agency's concern for leachate management on the south slope. Following this the County will add waste over the horizontal gas collectors to the east of the north cell and then return to the north slope of the north cell to bring the north cell to the terrace elevation 143.

As each stage is developed, a crown in the center of the area rising from the north and the south terraces to a center spine will be established to allow the installation of horizontal collectors for the landfill gas to be installed more efficiently. The sequence will continue to the east to build the Class I area to the terrace at elevation 143. Once this level is established the sequence turns to the west and will be built out to finish elevations as the fill progresses to the west.

If you have any questions concerning the sequence approach, please feel free to call SCS at 813.621.0080 or Lenny Marion at 386.943.7889.

Very truly yours,



C. Ed Hilton, Jr., P.E.
Vice President
SCS ENGINEERS



Shane R. Fischer, P.E.
Project Manager
SCS ENGINEERS

CEH/SRF:hjm

cc: Chet Purves, Construction Manager, Volusia County
Lenny Marion, Solid Waste Director, Volusia County

Enclosure



VOLUSIA COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE DIVISION

TOMOKA FARMS ROAD LANDFILL

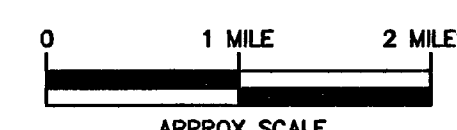
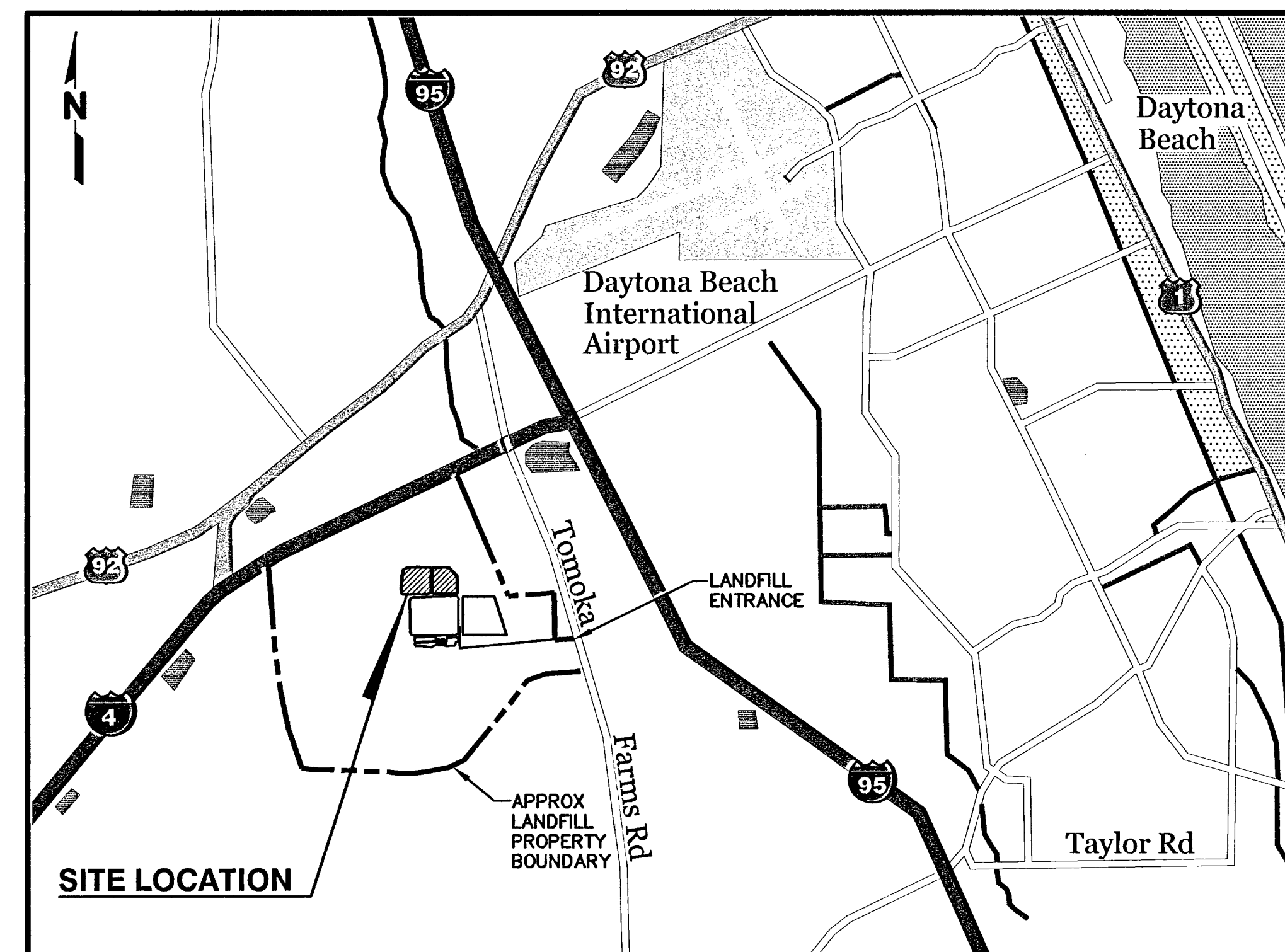
CLASS I CELL FILL SEQUENCE PLAN

VOLUSIA COUNTY, FLORIDA
AUGUST 2009



Volusia County Council Members

Frank Bruno Jr., County Chair
Joie Alexander, At-Large, Vice Chair
Andy Kelly, District 1
Josh Wagner, District 2
Jack Hayman, District 3
Carl G. Persis, District 4
Pat Northey, District 5



APPROX SCALE
LOCATION MAP

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FLORIDA 33610
PH (813) 621-0080 FAX NO. (813) 623-6757
Florida Certificate of Authorization No. 00004892
WWW.SCSENGINEERS.COM
SCS PROJECT NO. 09208007.09

DRAWING INDEX

DRAWING NO.	DRAWING TITLE
1	COVER SHEET
2	EXISTING AERIAL AND TOPOGRAPHIC SITE PLAN
3	FINAL COVER/CLOSURE - SITE PLAN
4	SECTIONS
5	FILL SEQUENCE PLAN - STAGES 1 THRU 4
6	FILL SEQUENCE PLAN - STAGES 5 THRU 8
7	FILL SEQUENCE PLAN - STAGES 9 THRU 12
8	FILL SEQUENCE PLAN - STAGES 13 THRU 15
9	DETAILS

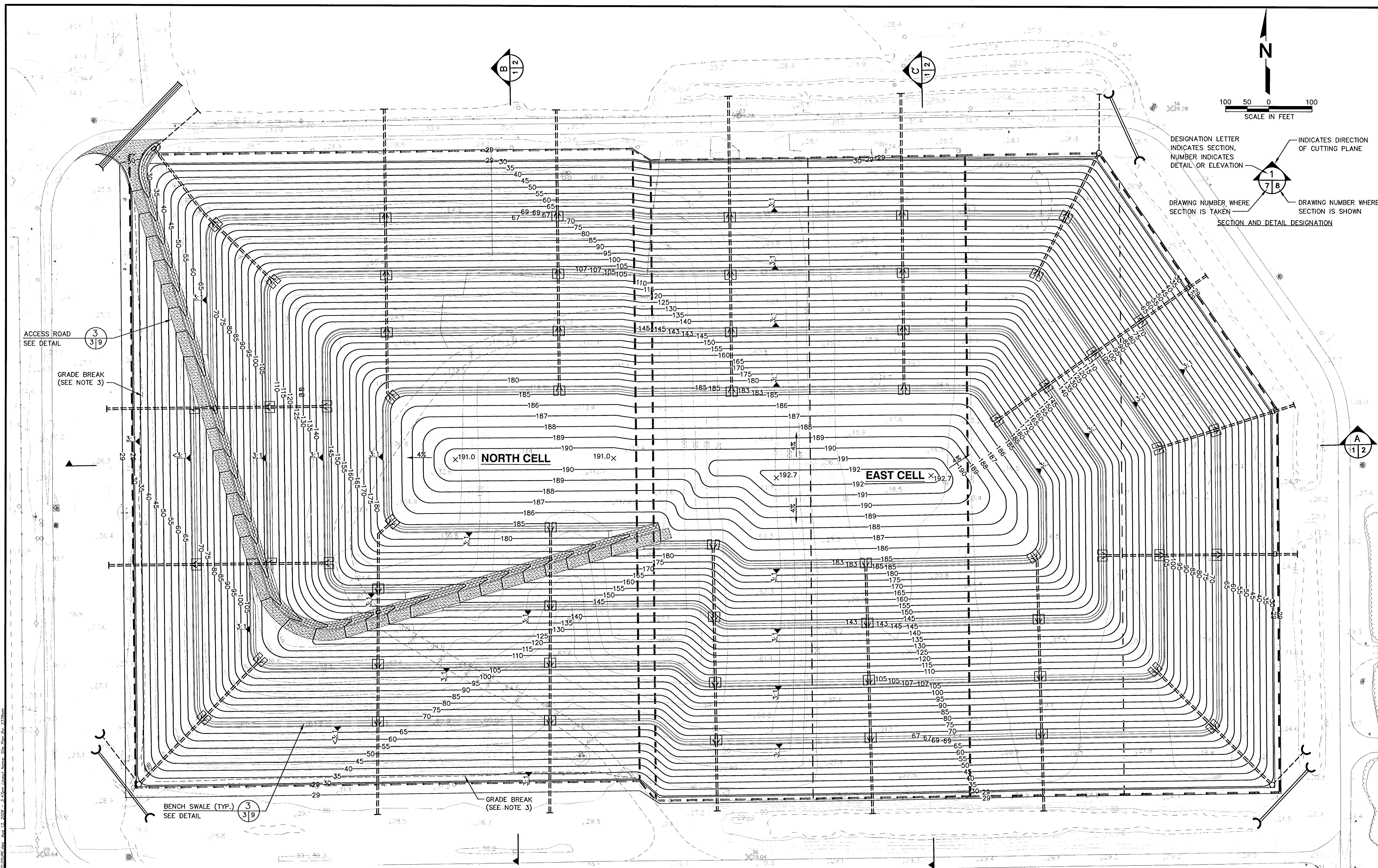
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2 of 9

**VOLUSIA COUNTY
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE DIVISION
DELAND, FLORIDA**



SURVEY SOURCE NOTES:

NOTES:

- EXISTING GRADE ELEVATIONAL CONTOUR
(10 FOOT INTERVAL - 04/07/09 SURVEY)
- EXISTING GRADE ELEVATIONAL CONTOUR
(2 FOOT INTERVAL - 04/07/09 SURVEY)
- EXISTING GRADE SPOT ELEVATION (04/07/09 SURVEY)
- EXISTING EDGE OF LINER
(MAPTECH, INC., LINER AS-BUILT SURVEY 10/04/2005)
- FUTURE EDGE OF LINER

LEGEND

SCS ENGINEERS

**STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS**

4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610
813 621-0080 FAX 813 623-6757

NO.	NAME	BY:	C/A	DATE
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BY: _____	CHK. BY: _____	APP. BY: _____
208007.09		
DWN. BY: _____	SDA	Q/A RV: _____

CEH	CEH
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CLIENT

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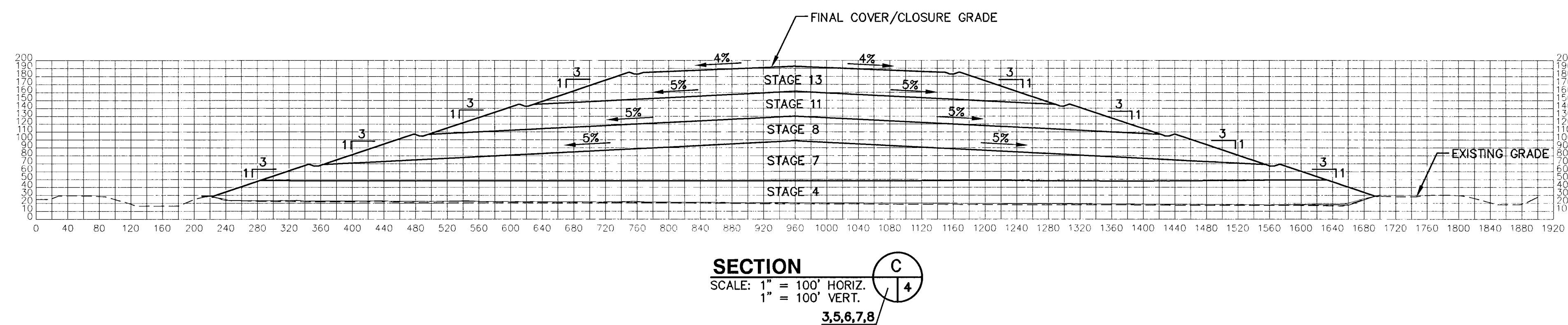
**VOLUSIA COUNTY
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE DIVISION
DELAND, FLORIDA**

FINAL COVER/CLOSURE SITE PLAN

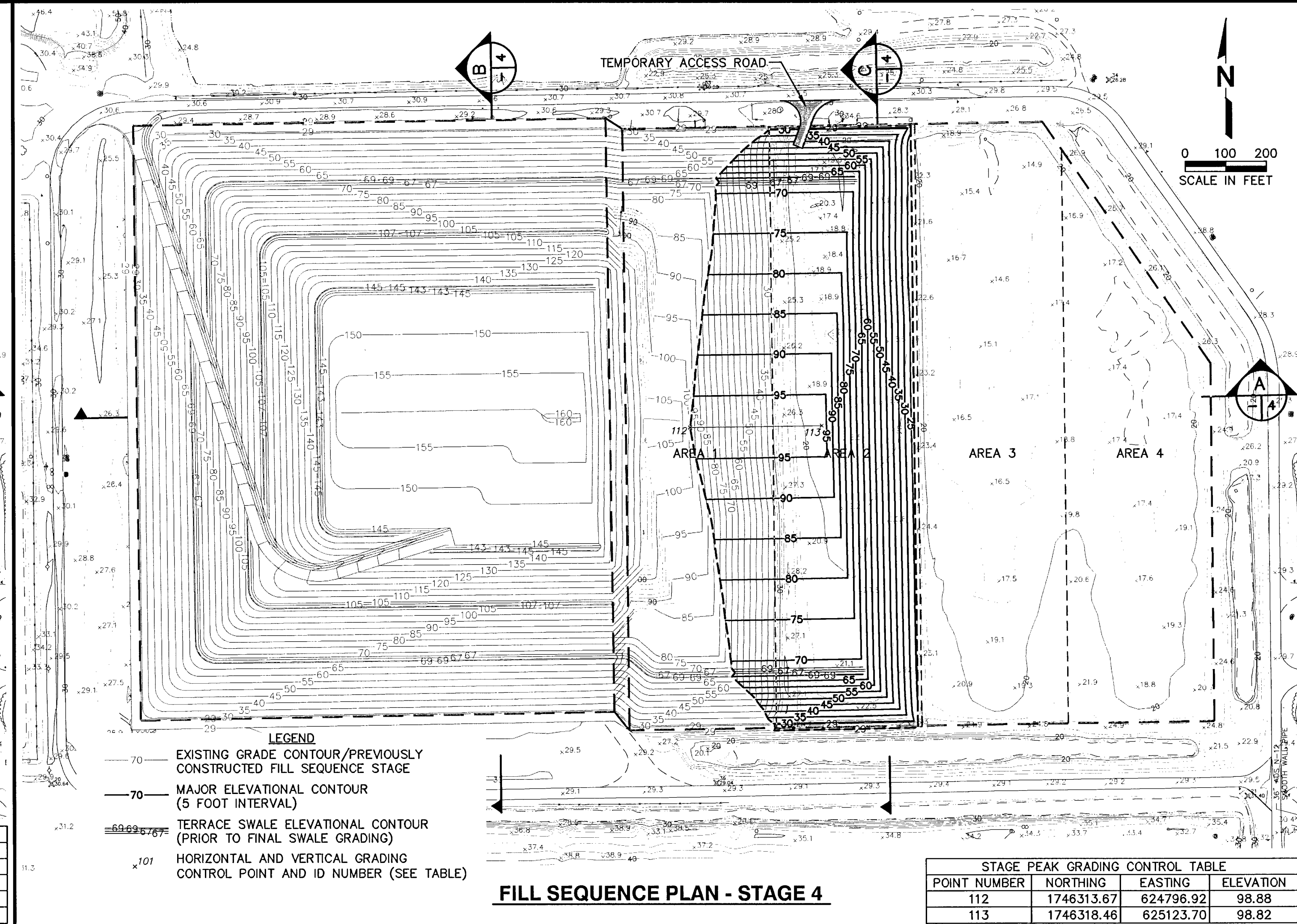
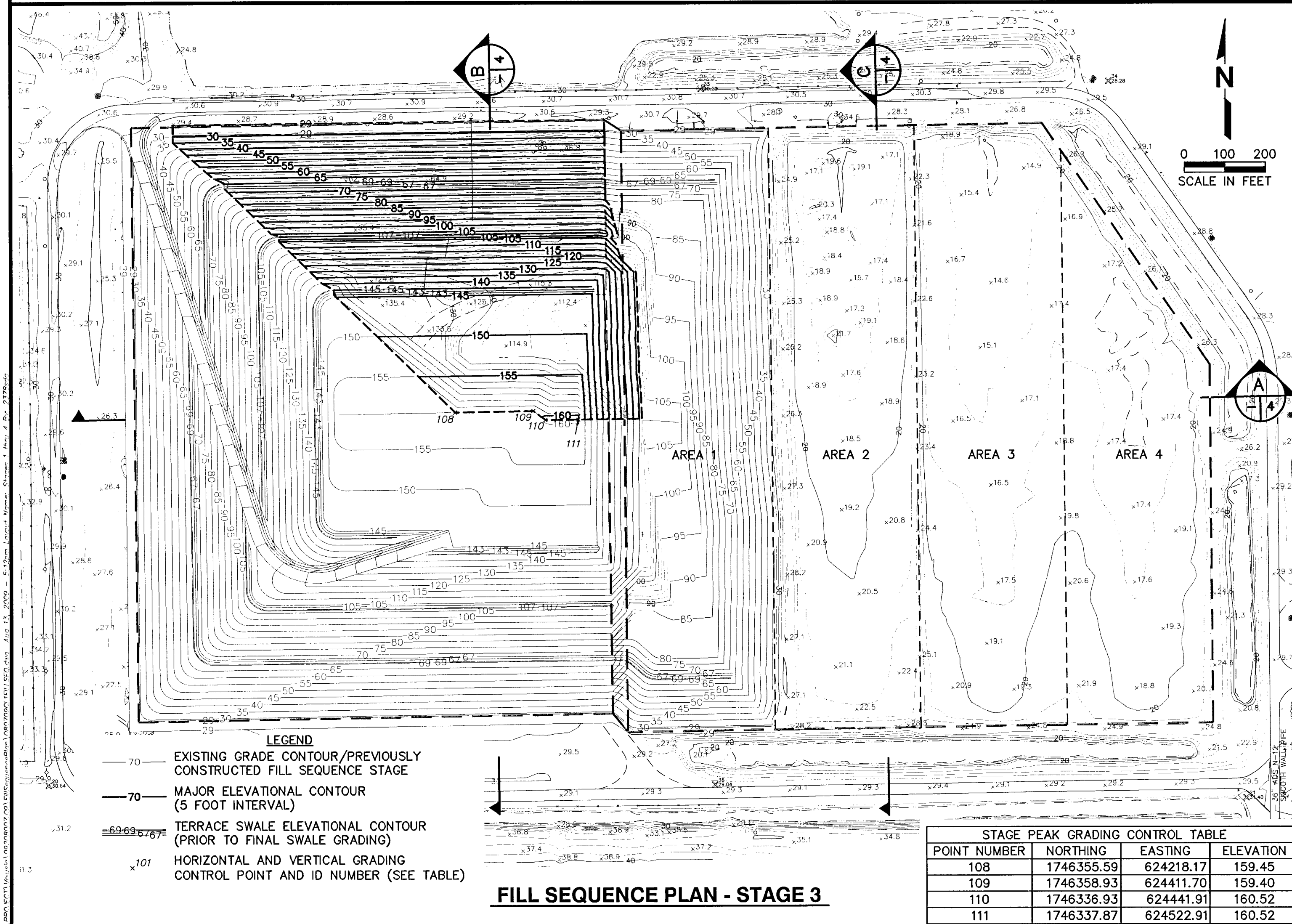
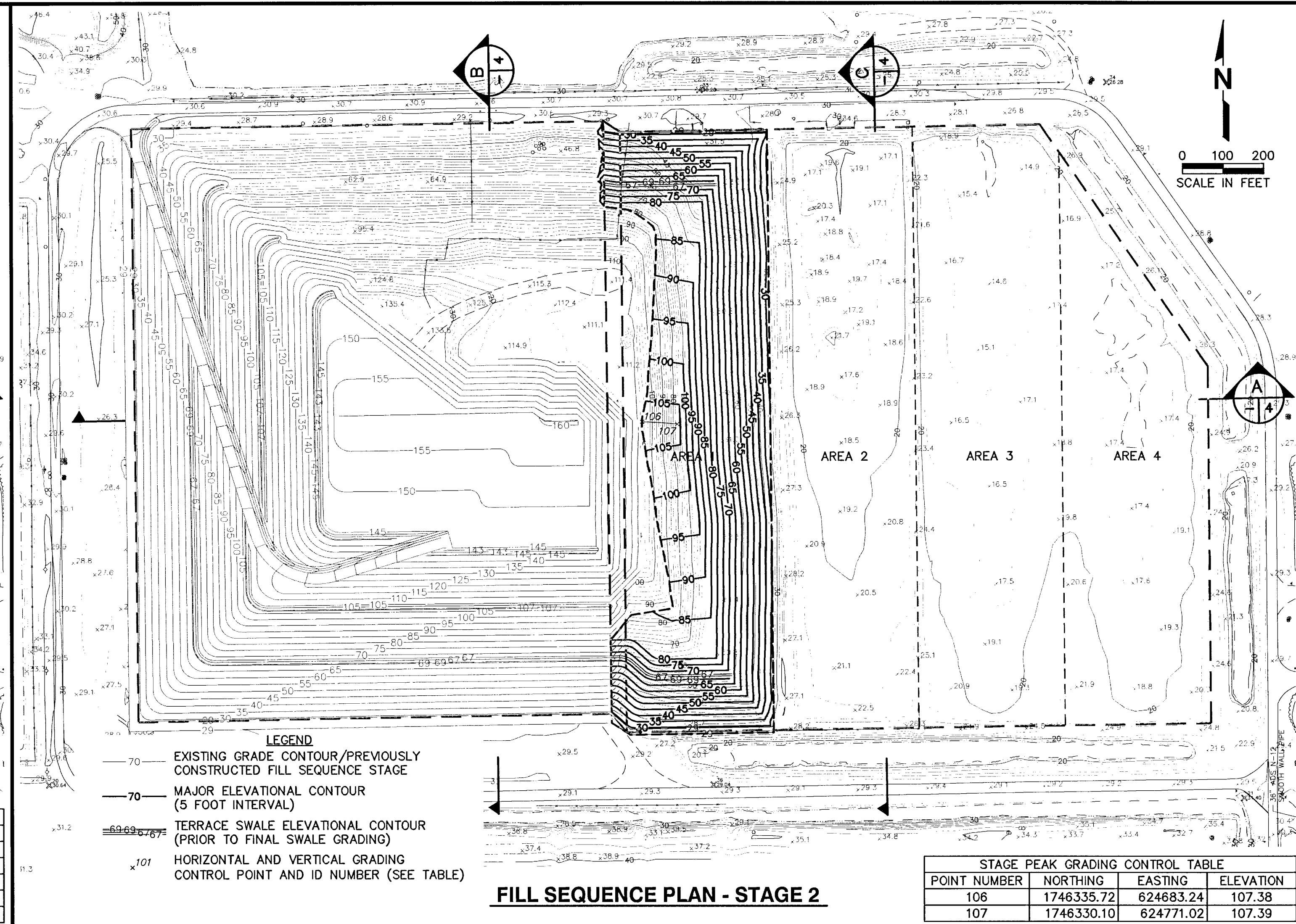
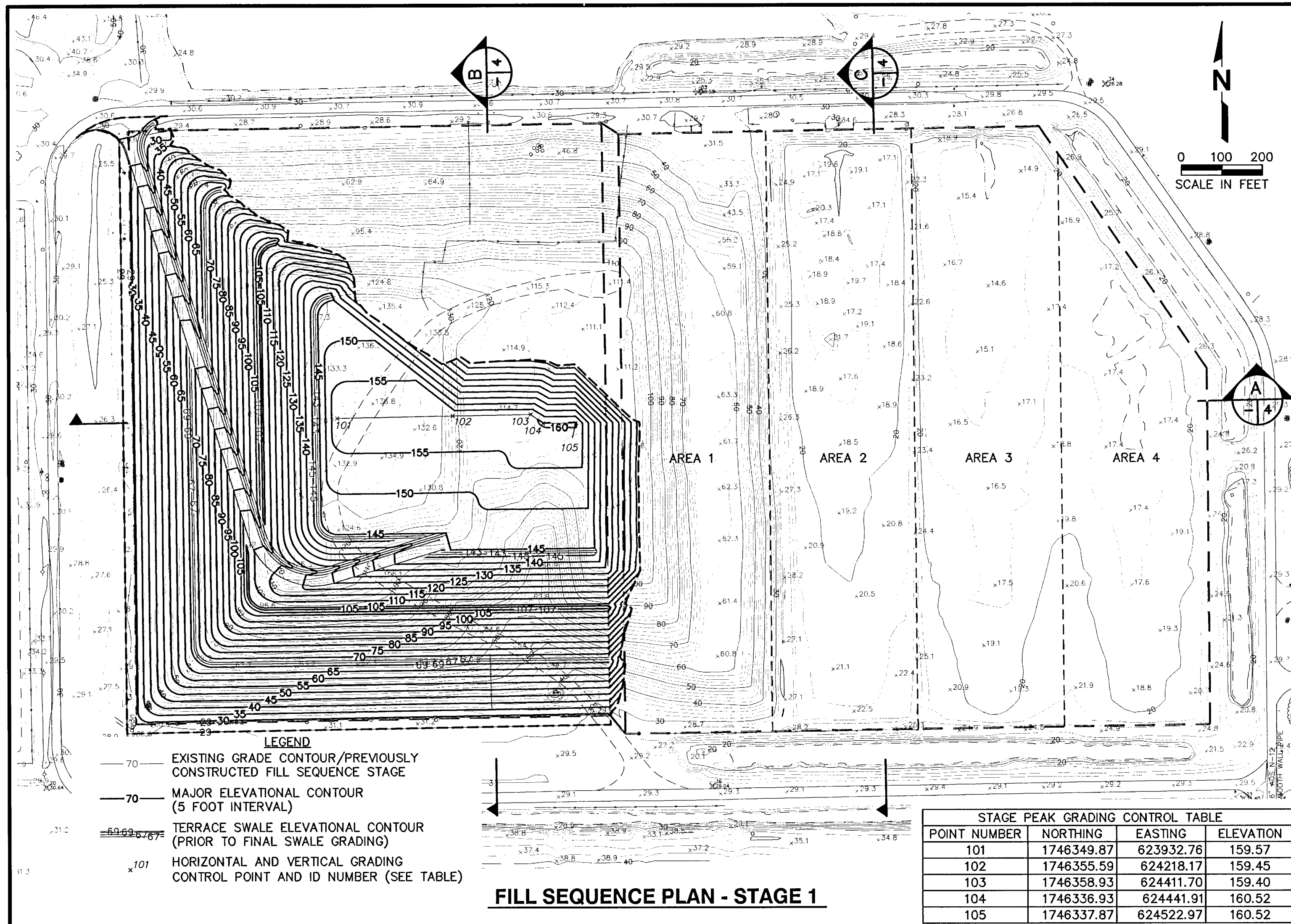
CT TITLE
TOMOKA FARMS ROAD LANDFILL CLASS I CELL FILL SEQUENCE PLAN

REV	DATE	DESCRIPTION	BY
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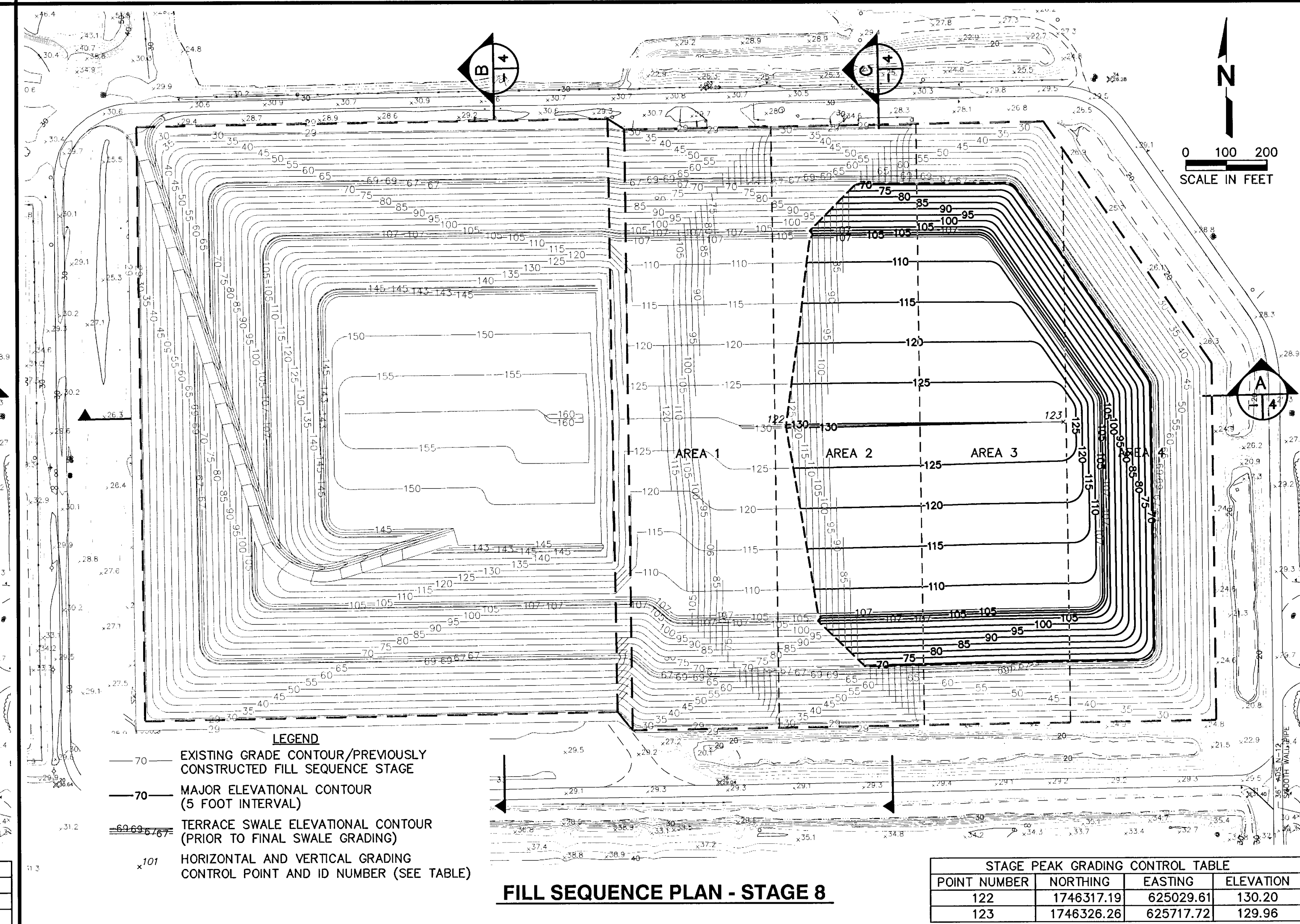
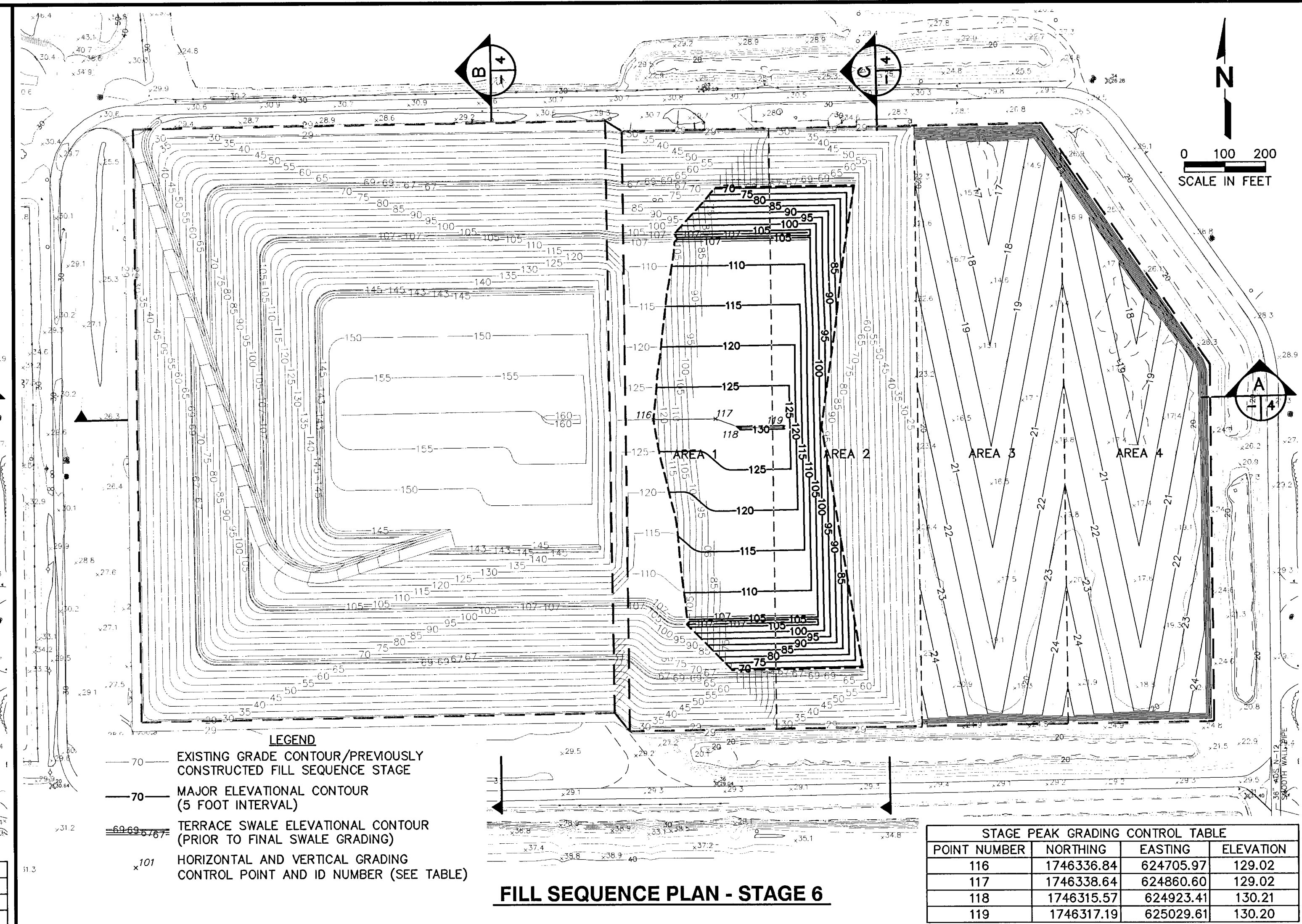
Charles E. Hilton, P.E.
8/3/09
46916
LICENSE NO.



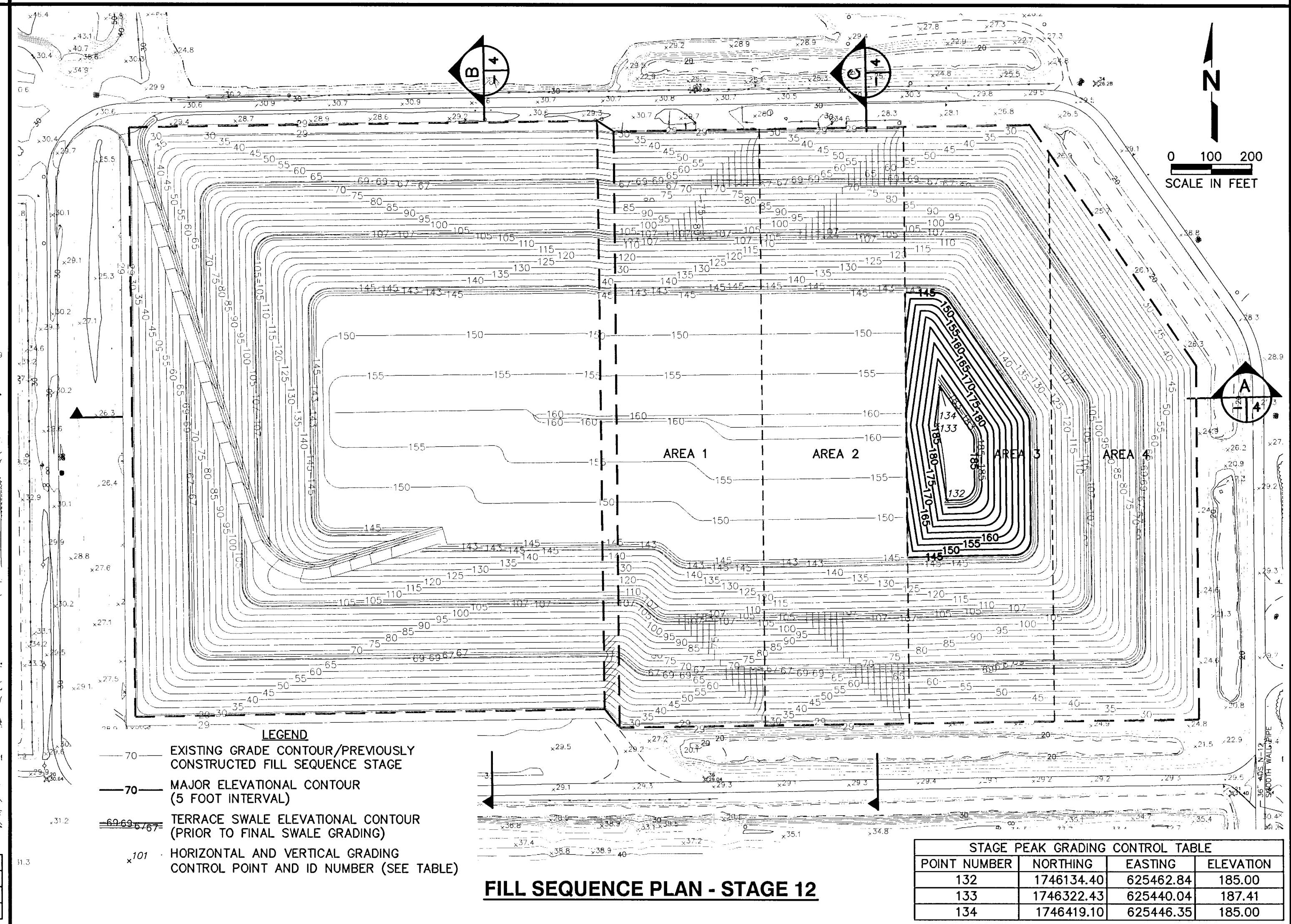
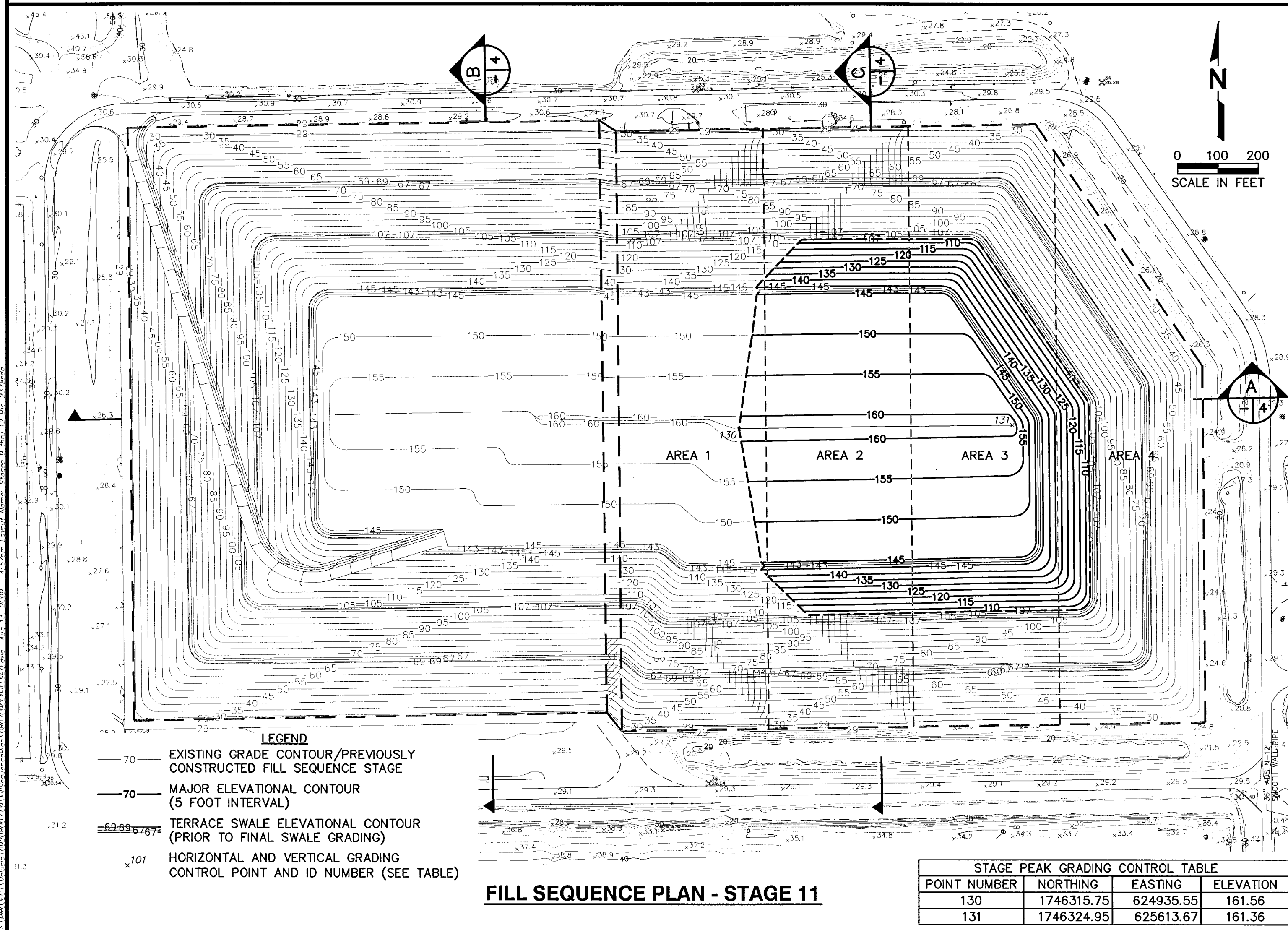
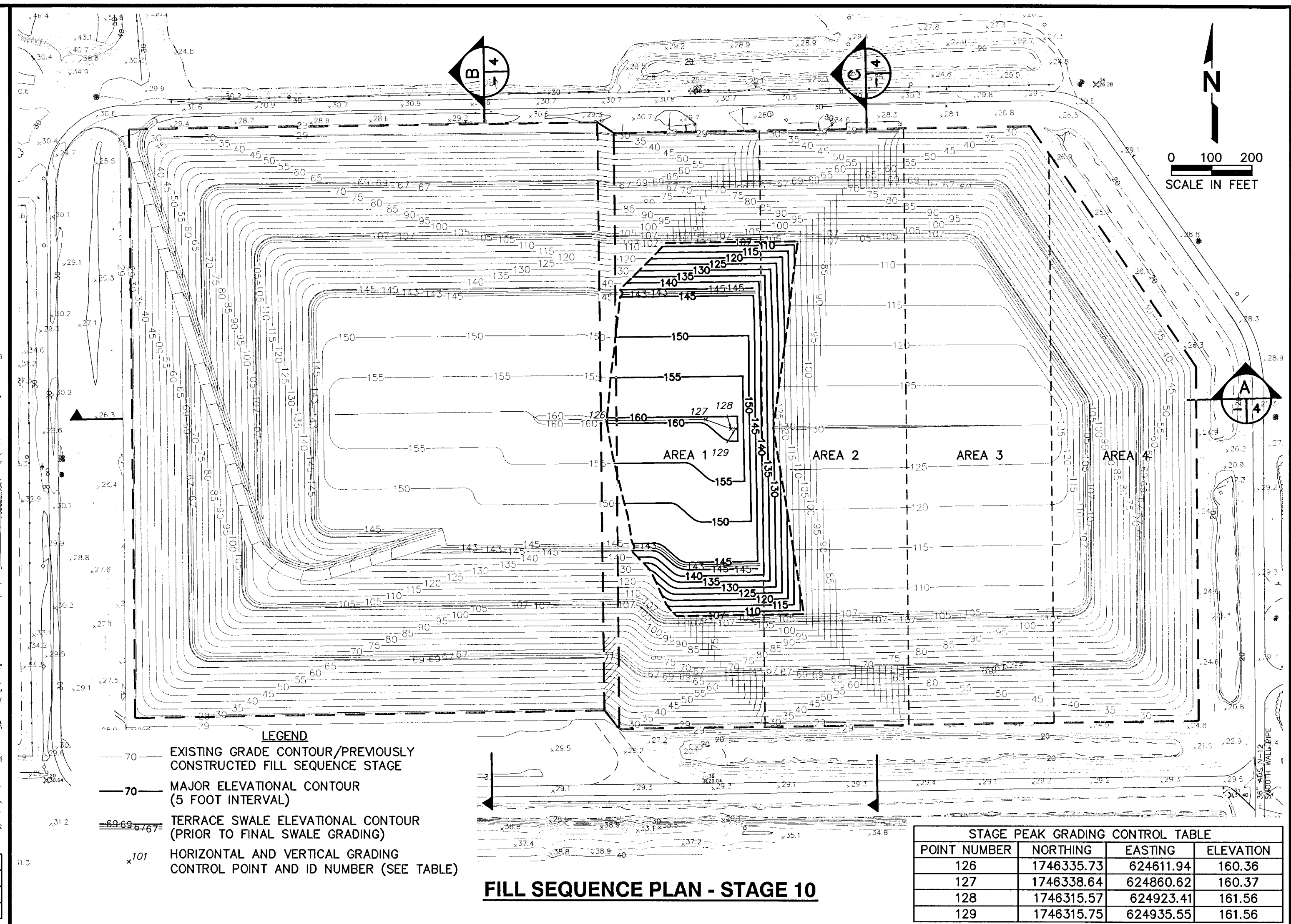
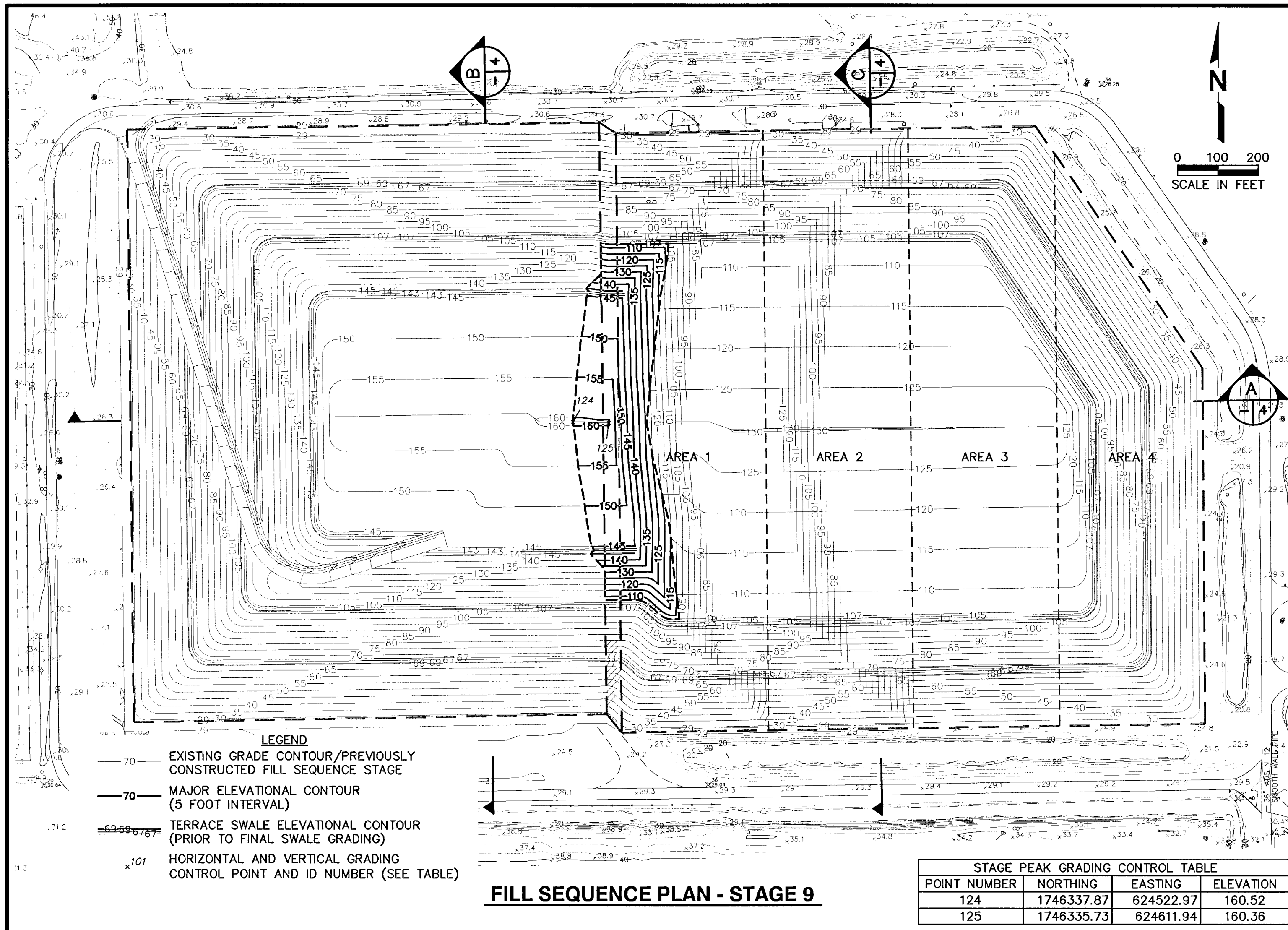
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PROJECT TITLE		DRAWING TITLE	
TOMOKA FARMS ROAD LANDFILL CLASS I CELL		FILL SEQUENCE PLAN STAGES 1 THRU 4	
BY	DESCRIPTION	DATE	REV
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VOLUSIA COUNTY DEPARTMENT OF PUBLIC WORKS		CLIENT RECEIVED	
SOLID WASTE DIVISION		AUG 4 2009	
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CADD FILE: 080709CL1FILLSEQ		DATE: AUGUST 2009	
SCALE: AS SHOWN		DRAWING NO. 5 of 9	
DRAWING NO. 5 of 9		DRAWING NO. 5 of 9	



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DATE: AUGUST 2009				△			
SCALE: AS SHOWN				△			
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6 of 9				△			



BY	DESCRIPTION	DATE	REV

FILL SEQUENCE PLAN
STAGES 9 THRU 12

TOMOKA FARMS ROAD LANDFILL
CLASS I CELL
FILL SEQUENCE PLAN

VOLUSIA COUNTY
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE DIVISION
DELAND, FLORIDA

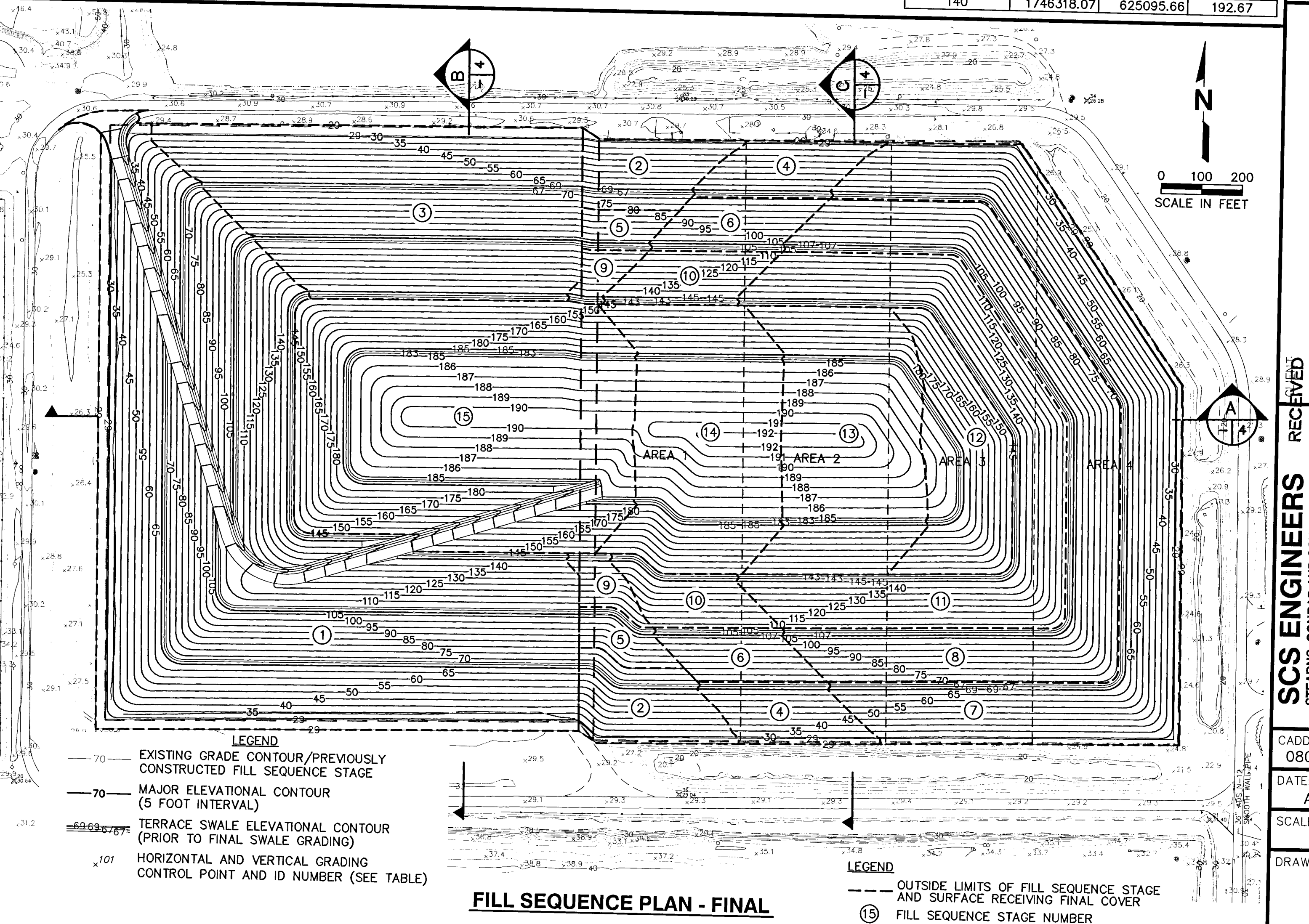
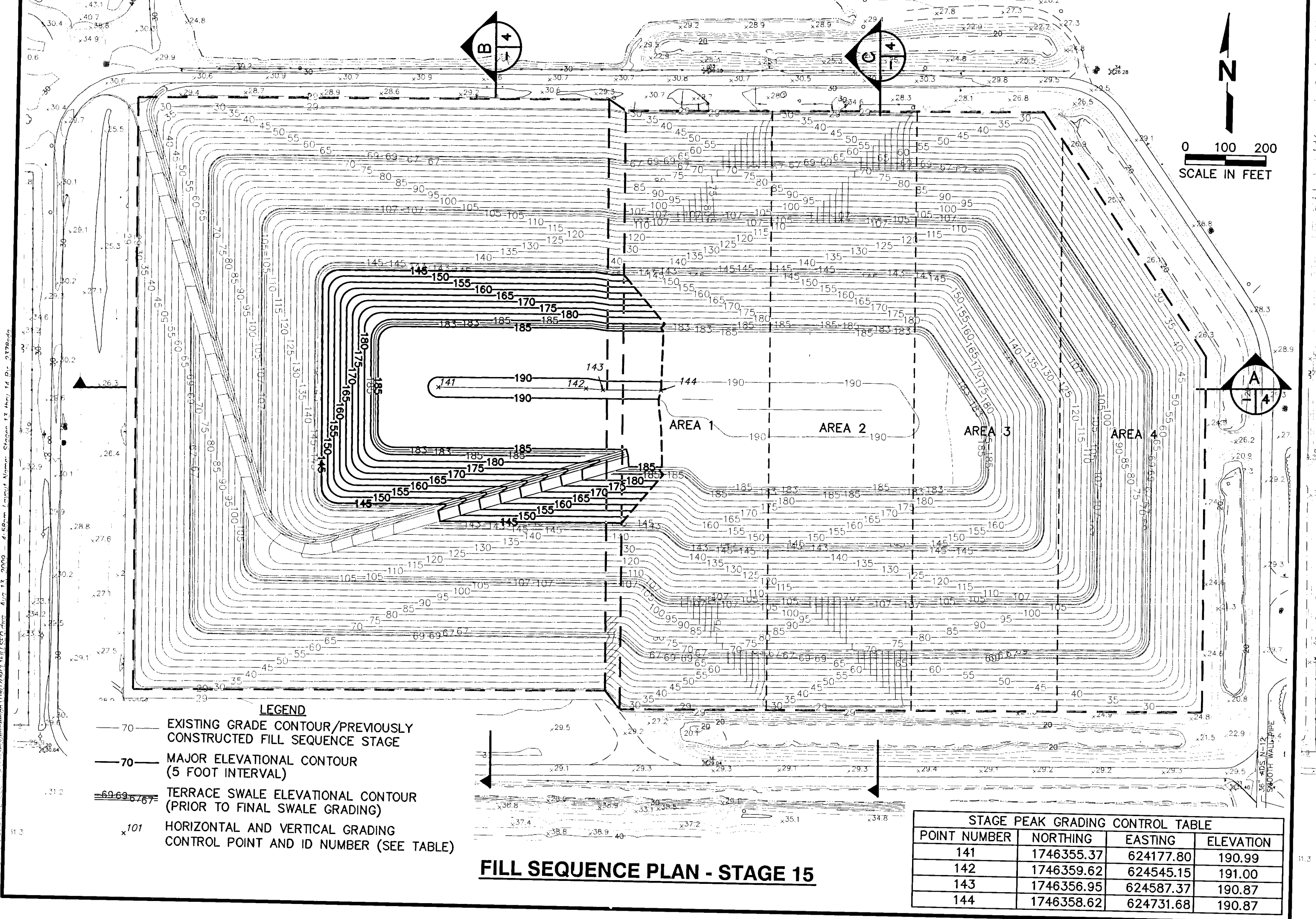
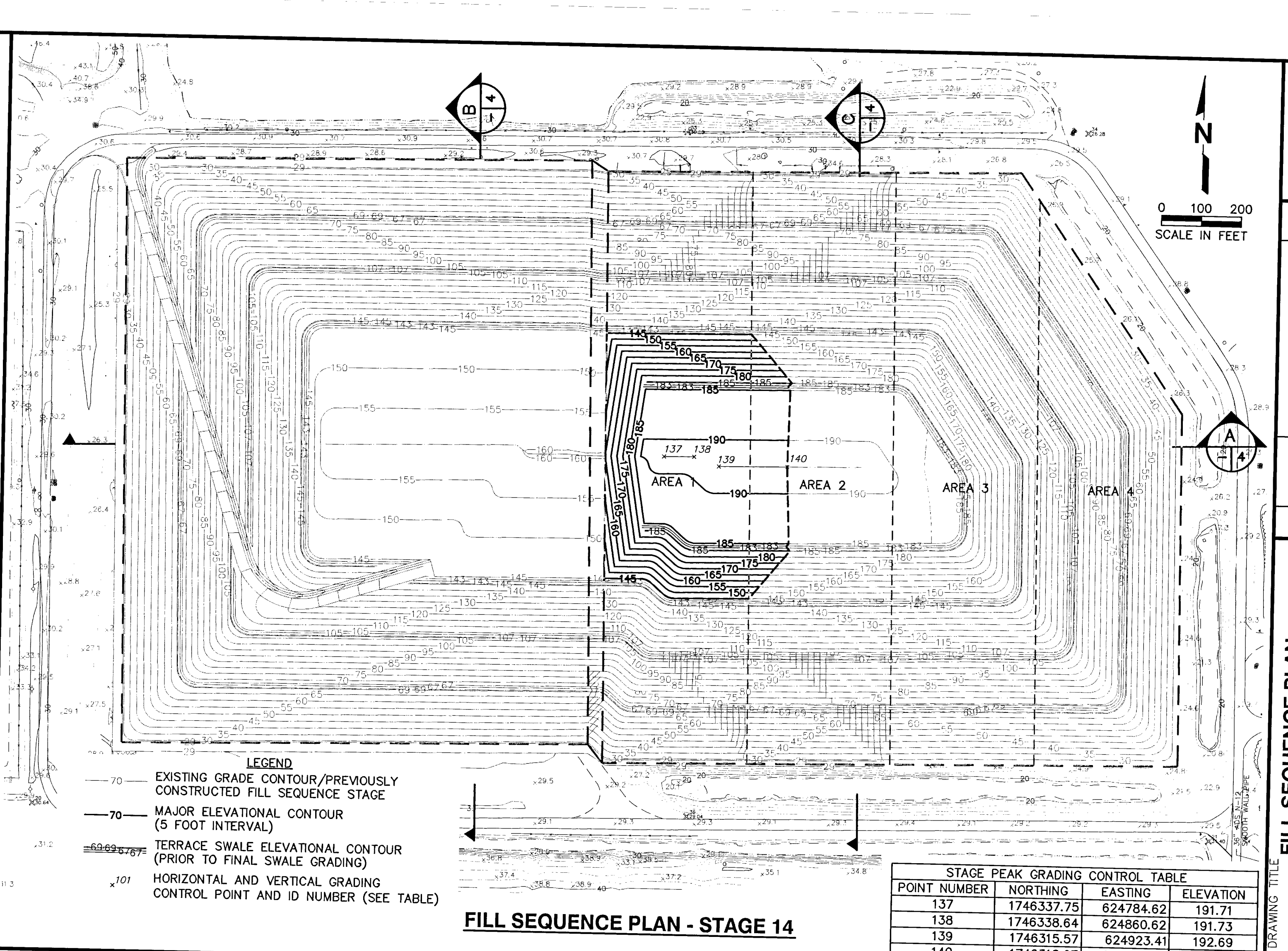
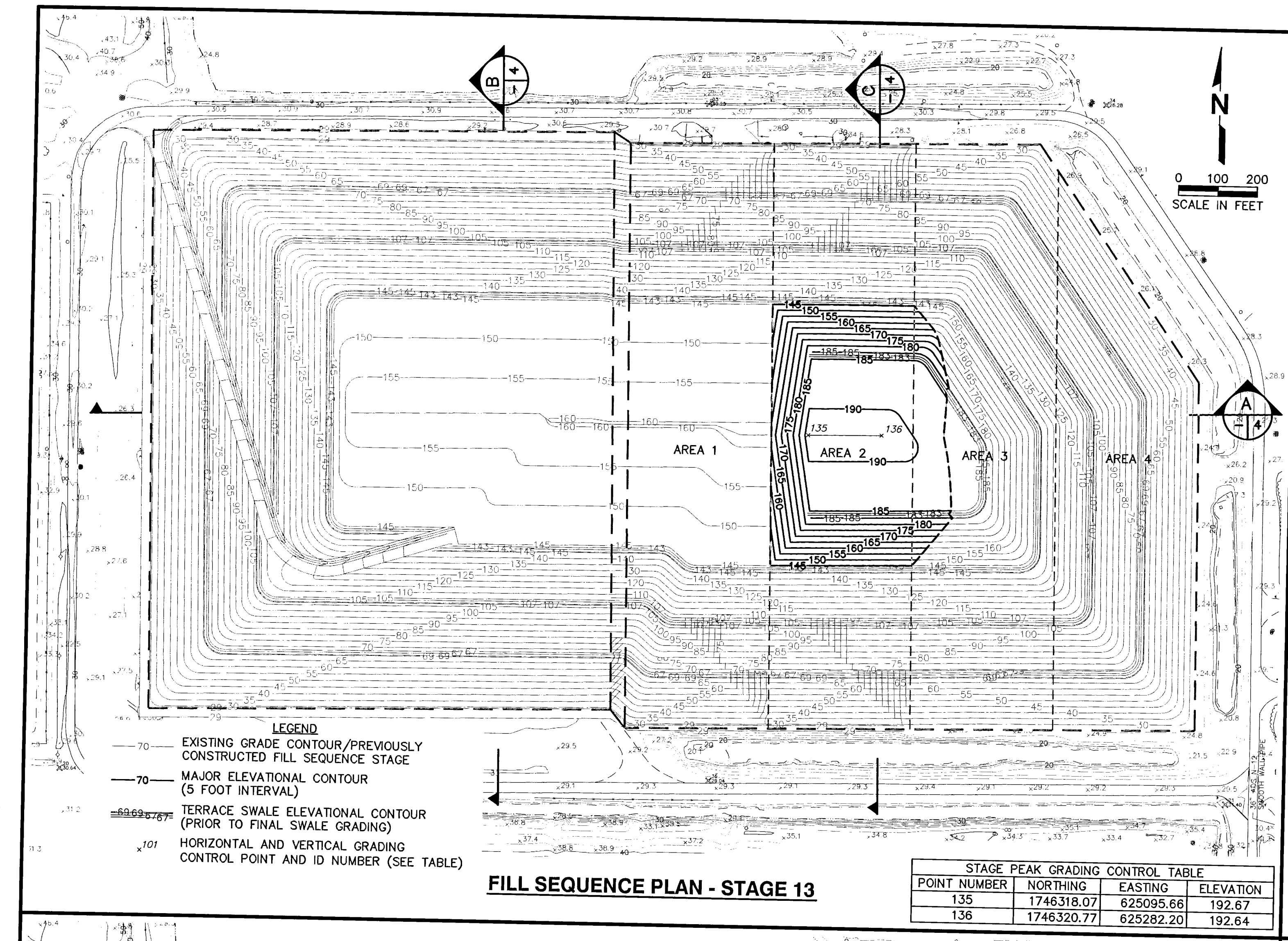
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4041 PARK CIRCLE, SUITE 100, TAMPA, FL 33610
813 821-0880 FAX 813 823-9757
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004882

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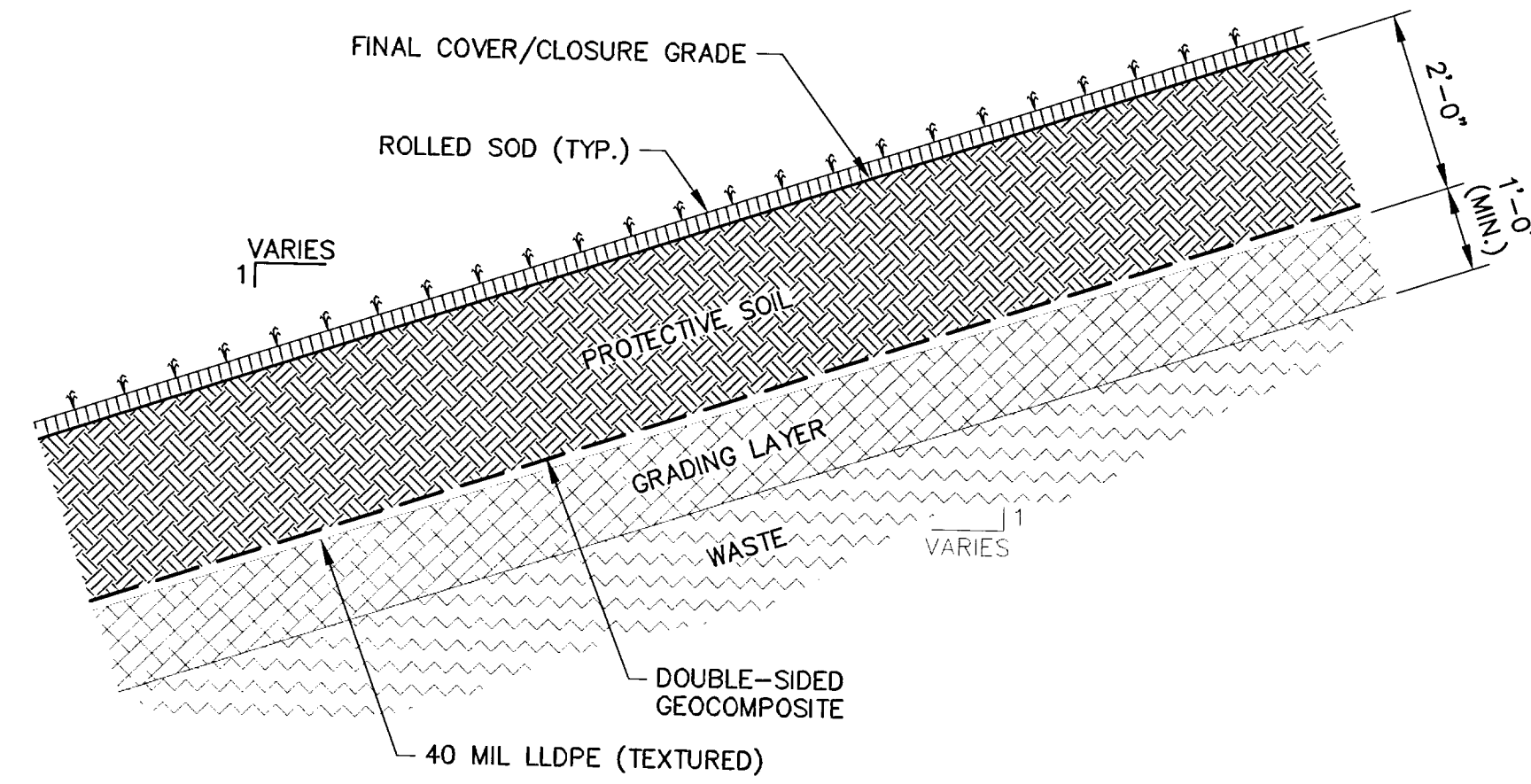
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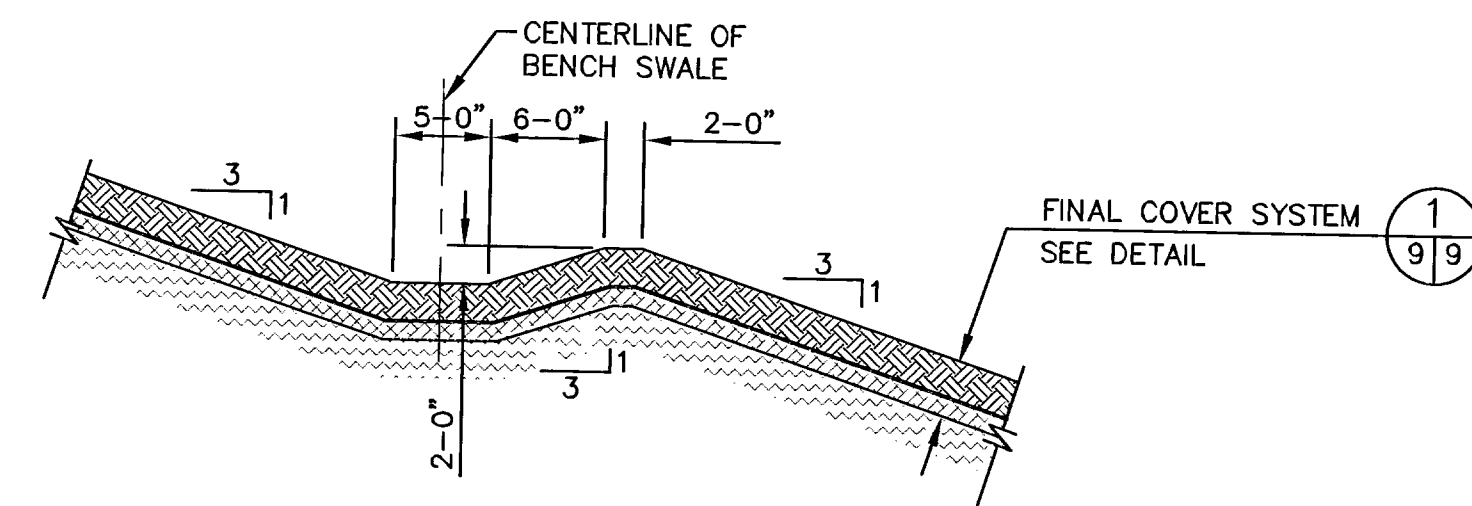
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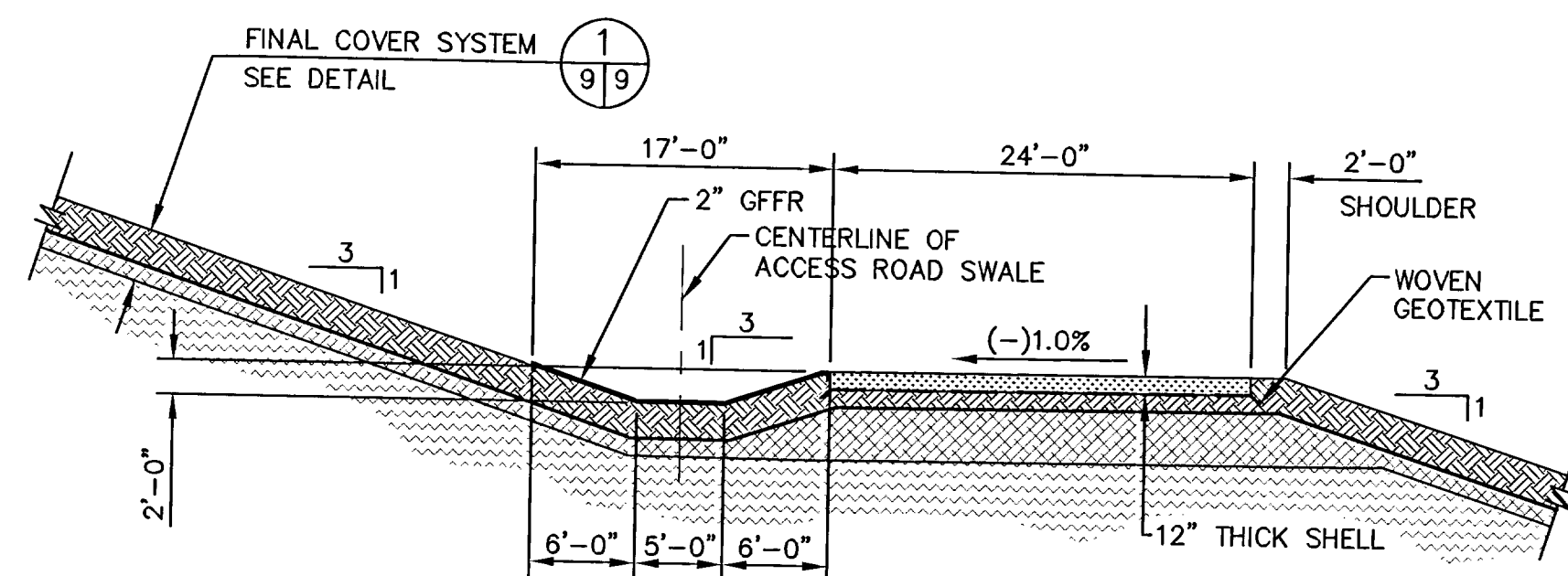
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DRAWING NO. 080709CL1FILLSEQ	DATE AUGUST 2009	SCALE AS SHOWN	DRAWING NO. 8 of 9



FINAL COVER DETAIL 1
SCALE: 1" = 2' 3/9



BENCH SWALE DETAIL 2
SCALE: 1" = 10' 3/9



ACCESS ROAD DETAIL 3
SCALE: 1" = 10' 3/9

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