

Meeting Agenda

Pre-Permit Application Meeting with FDEP
Class-III Landfill Operations Permit Renewal
Volusia County Solid Waste Management Facility
FDEP Central District Office

May 1, 2014 10:30 A.M.

Topics:

- 1) Introductions
- 2) Overview of Existing permit for operation of Class III landfill
- 3) Solid Waste Facility Permitting Renewal
 - a) No Change Permit Renewal- final grading plan, passive landfill gas & operations plan- no change
 - b) 5-year-term or 10-year Operations Permit
 - c) Facility-wide water quality monitoring plan; issues to be addressed in the permit renewal application
 - d) Financial assurance cost estimate update
- 4) Tentative Schedule for Permit Application Submittals - application submittal meeting
- 5) Agency Issues

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AERIAL PHOTOGRAPHY FROM FDOT DATED JANUARY 4, 2012

VOLUSIA COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE DIVISION

TOMOKA FARMS ROAD LANDFILL

CLASS III CELL OPERATION PERMIT RENEWAL

VOLUSIA COUNTY, FLORIDA
JUNE 2009

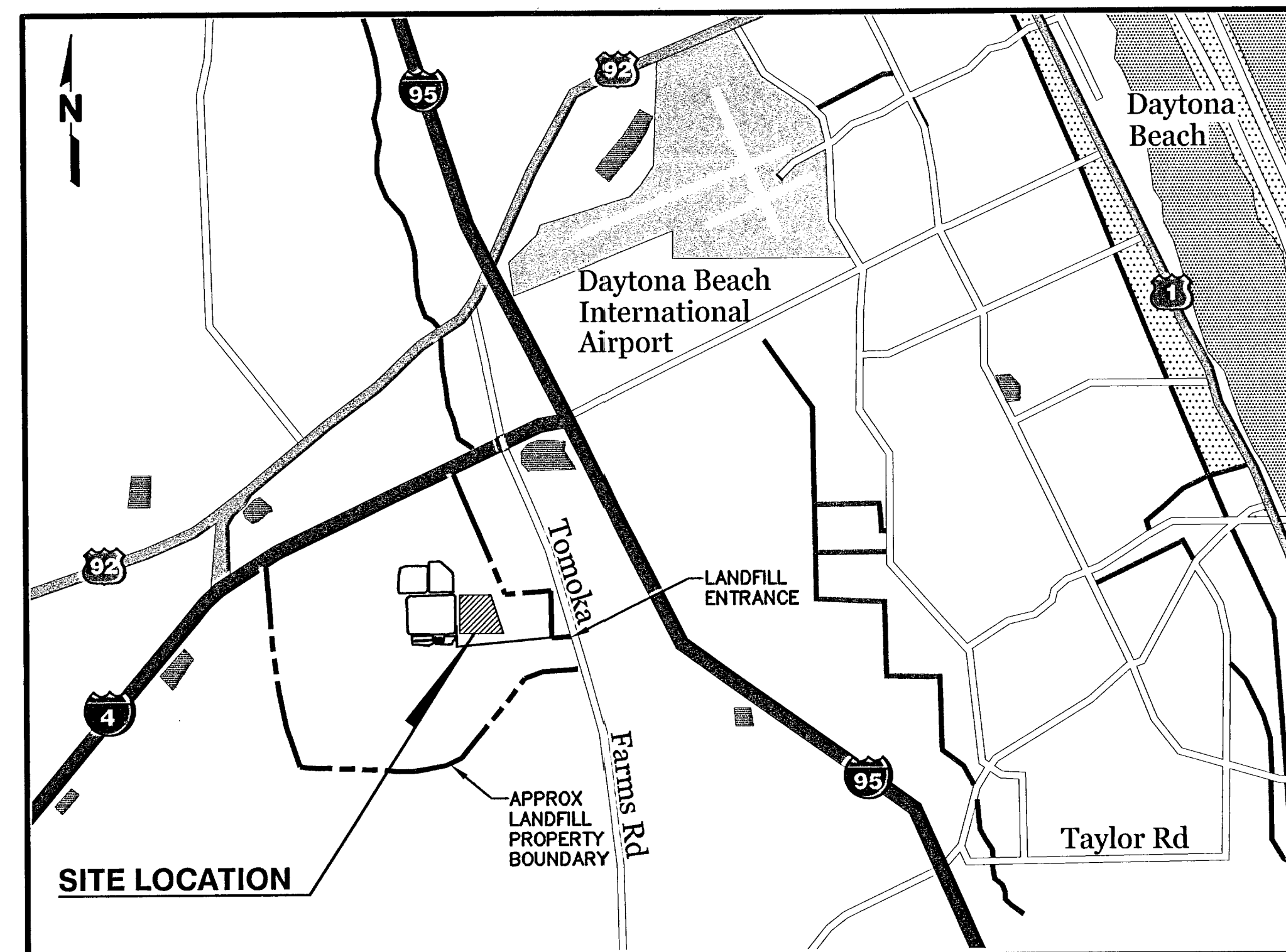
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DEP. Central

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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



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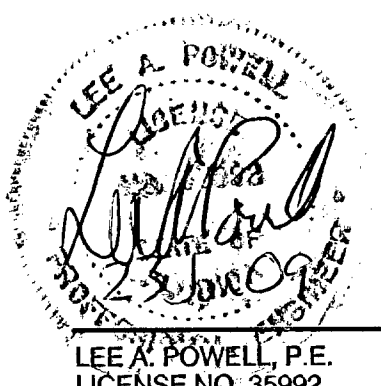
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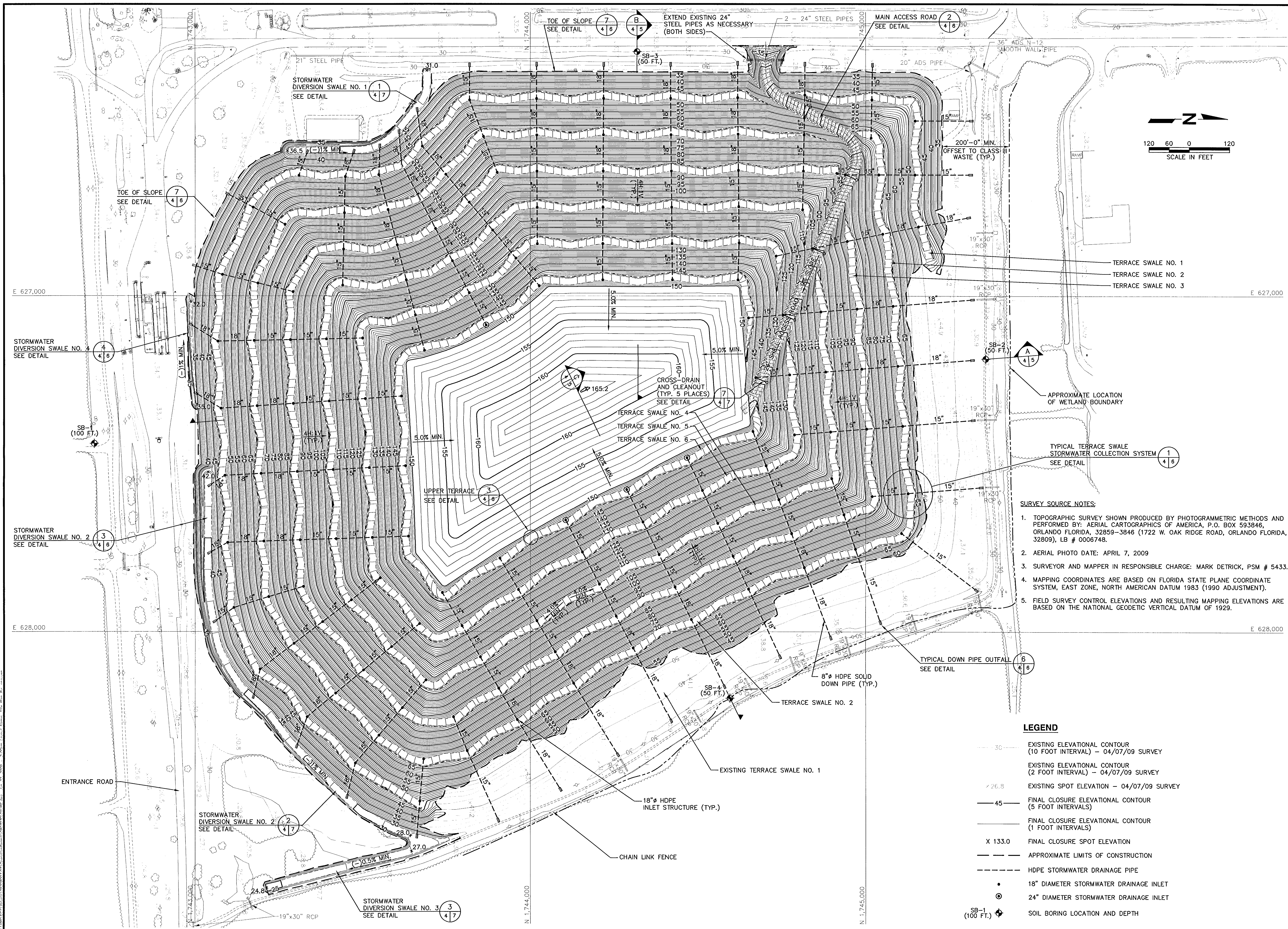
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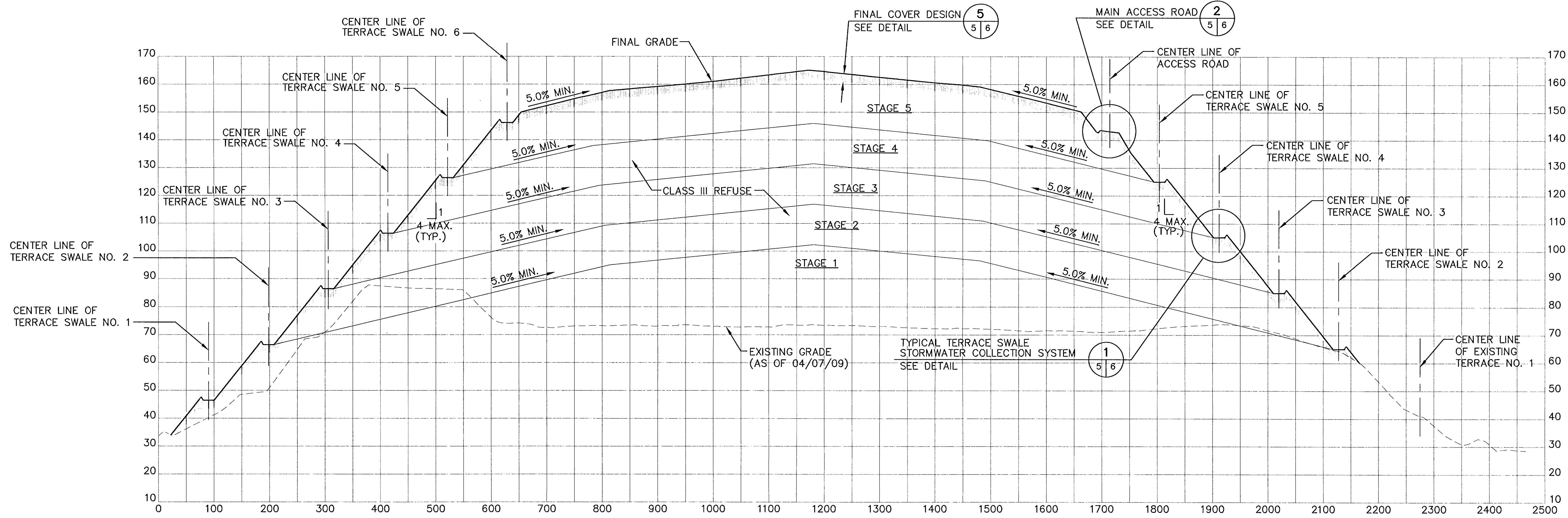
DRAWING INDEX

DRAWING NO.	DRAWING TITLE
1	COVER SHEET
2	AERIAL PHOTOGRAPH SITE PLAN
3	EXISTING TOPOGRAPHY SITE PLAN
4	FINAL CLOSURE SITE PLAN
5	SECTIONS
6	DETAILS - 1
7	DETAILS - 2
8	PASSIVE VENT SYSTEM SITE PLAN

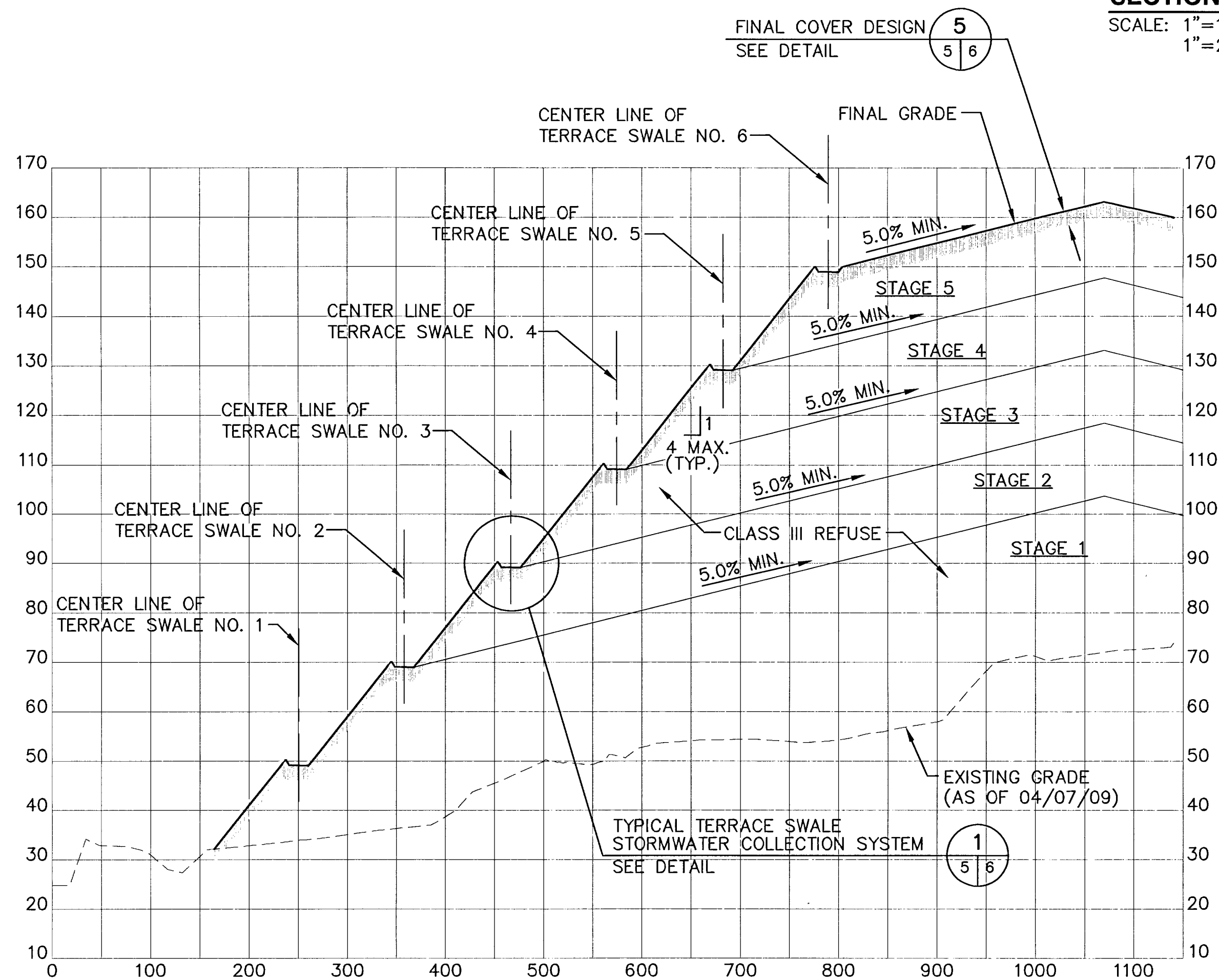
SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FLORIDA 33610
PH (813) 621-0080 FAX NO. (813) 623-6757
Florida Certificate of Authorization No. 00004892
WWW.SCSENGINEERS.COM
SCS PROJECT NO. 09208007.07



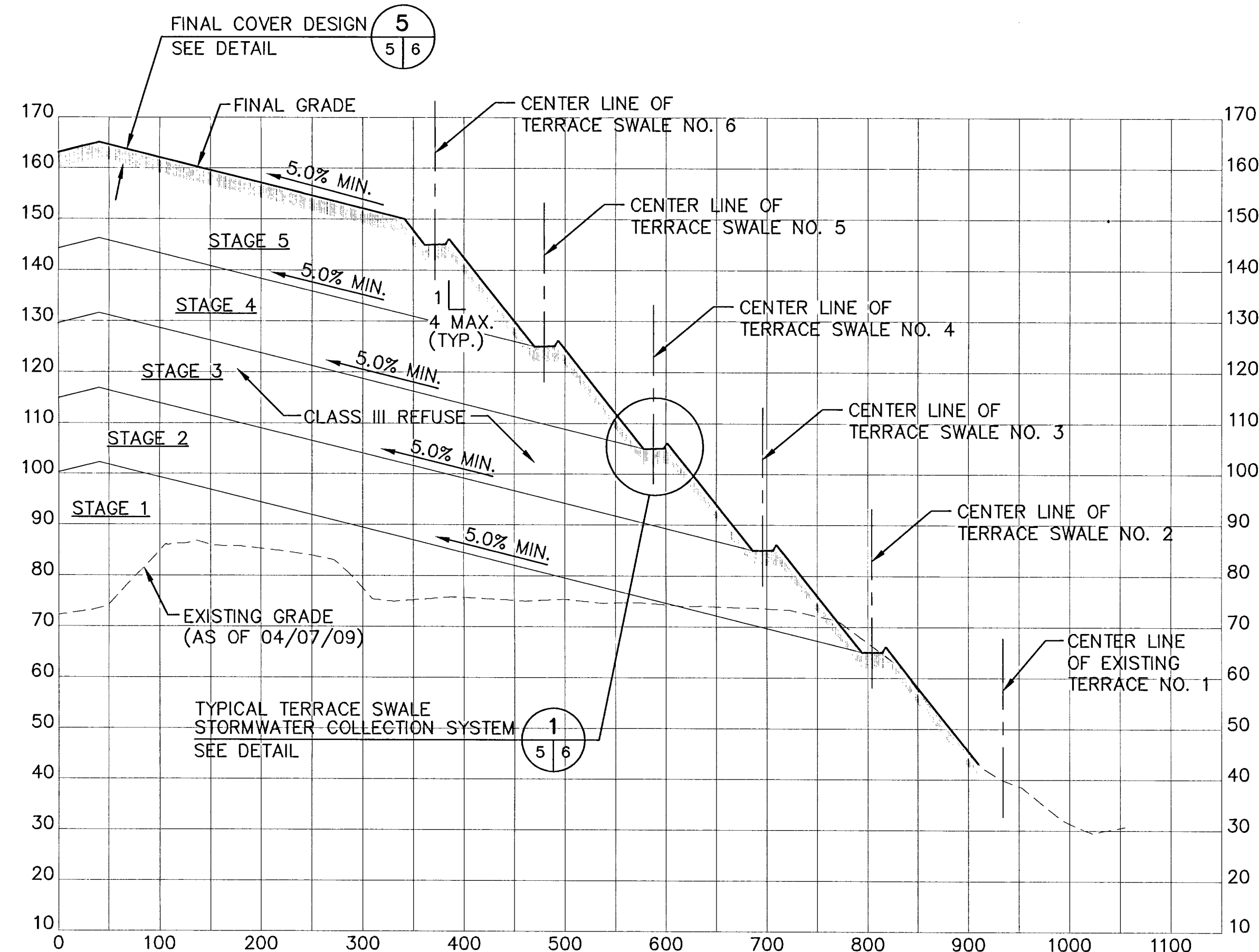
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SECTION A
SCALE: 1"=100' HORIZ.
1"=20' VERT.



SECTION B
SCALE: 1"=100' HORIZ.
1"=20' VERT.



SECTION C
SCALE: 1"=100' HORIZ.
1"=20' VERT.

BY: [Signature]
DATE: 23 Jun 09
LEE A. POWELL, P.E.
LICENSE NO. 36992

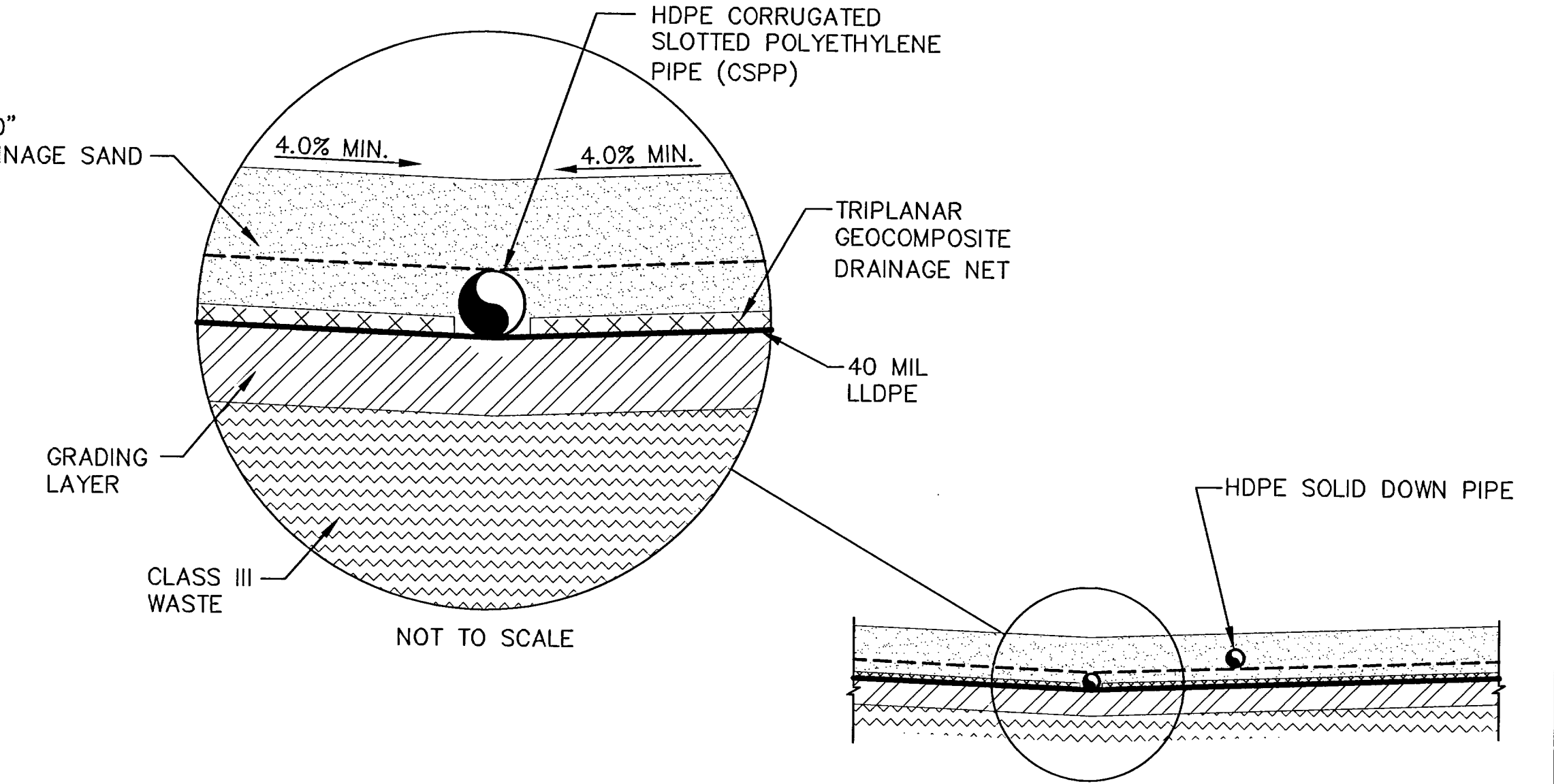
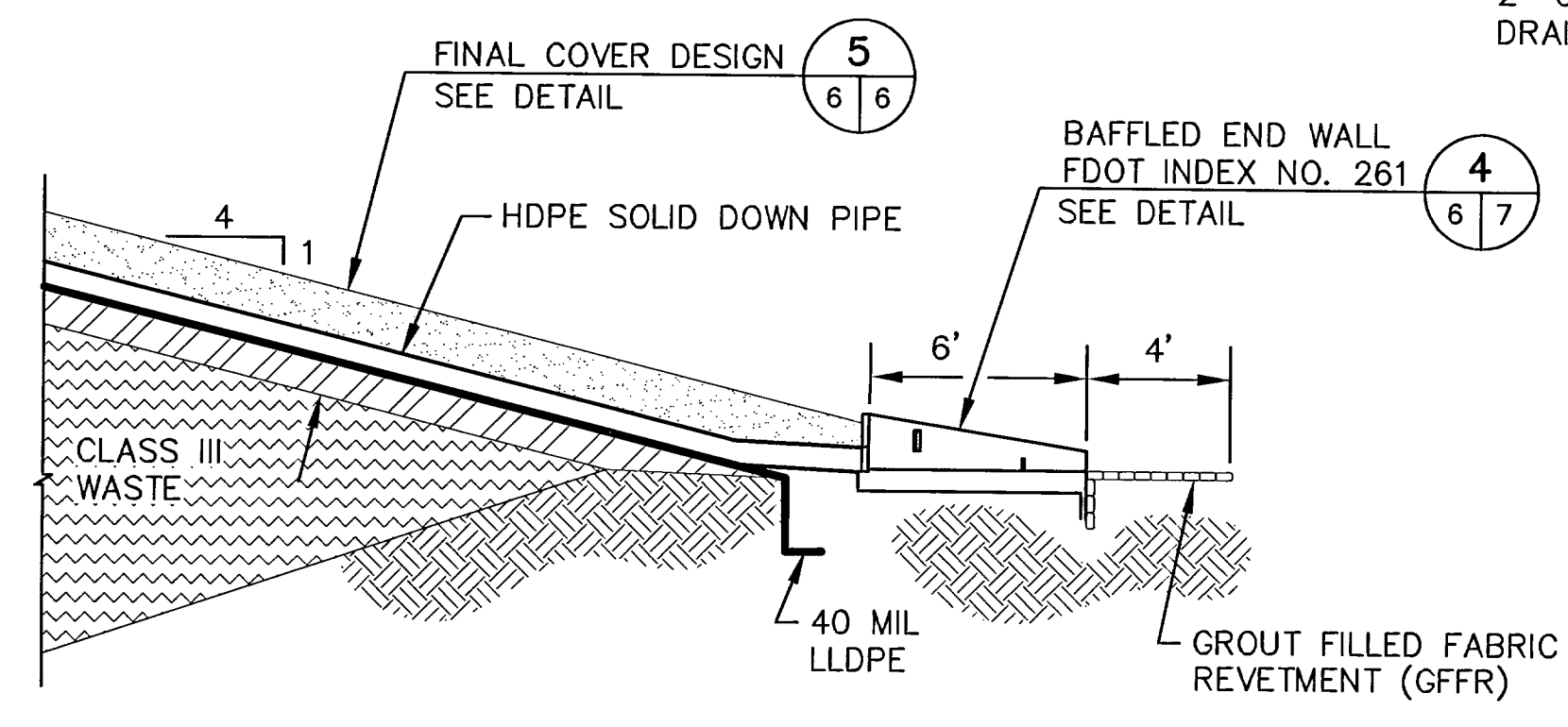
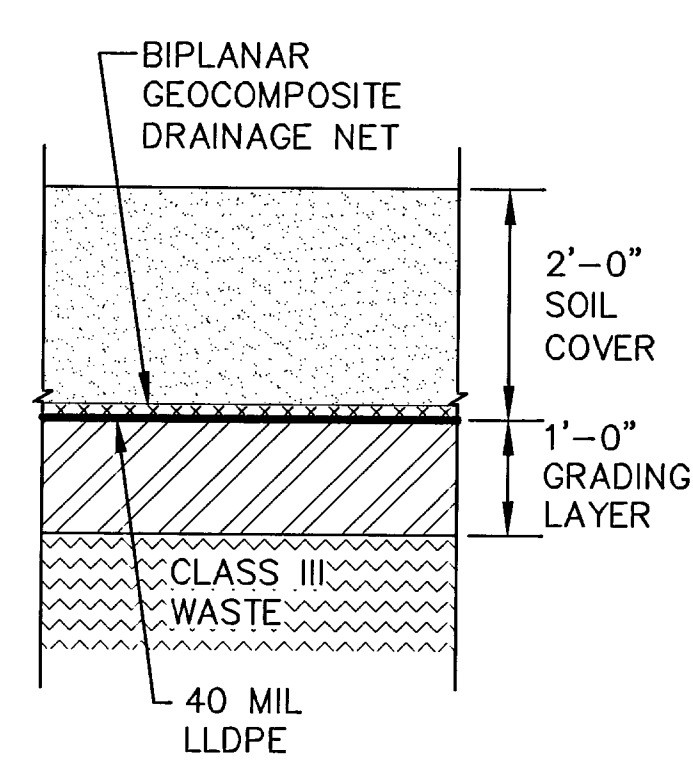
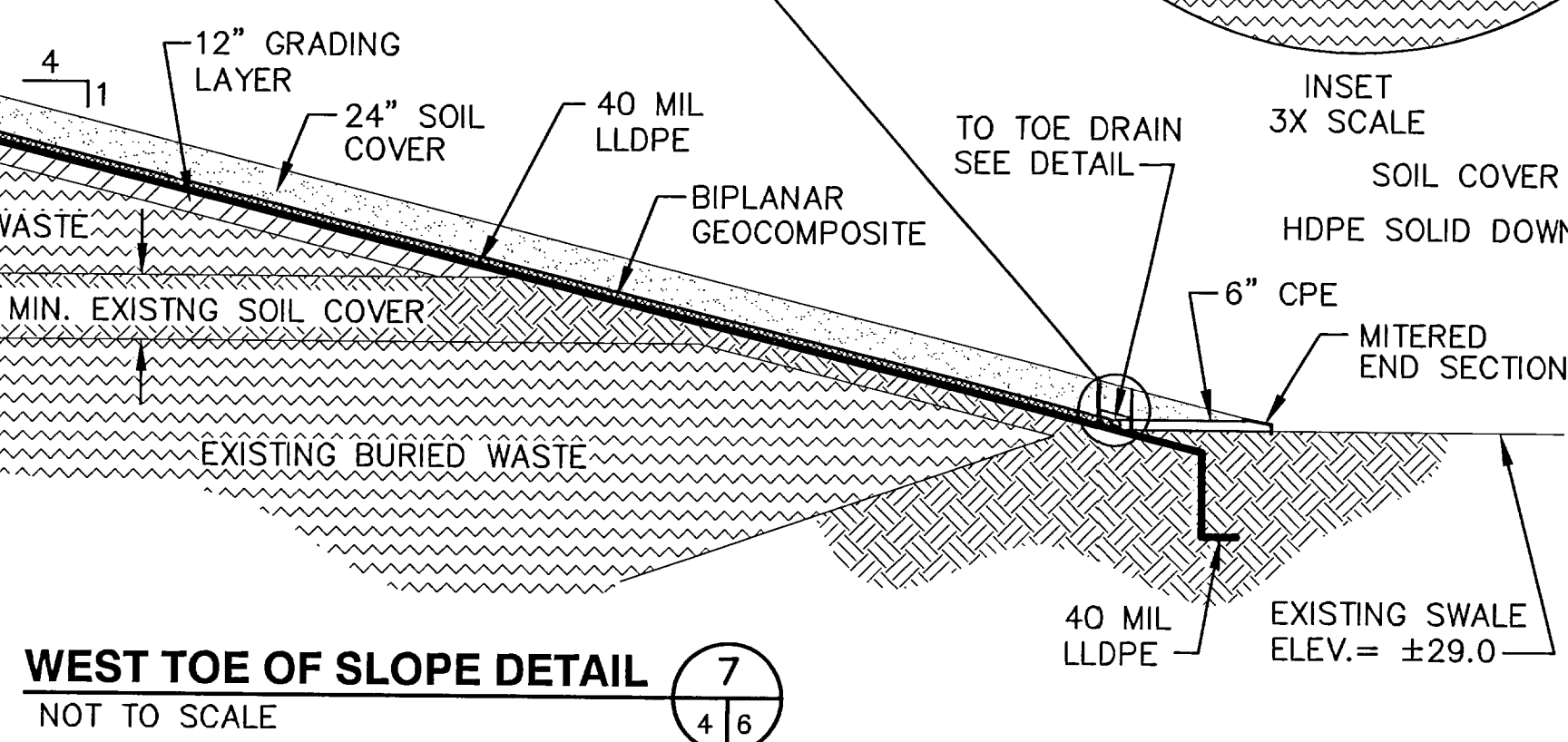
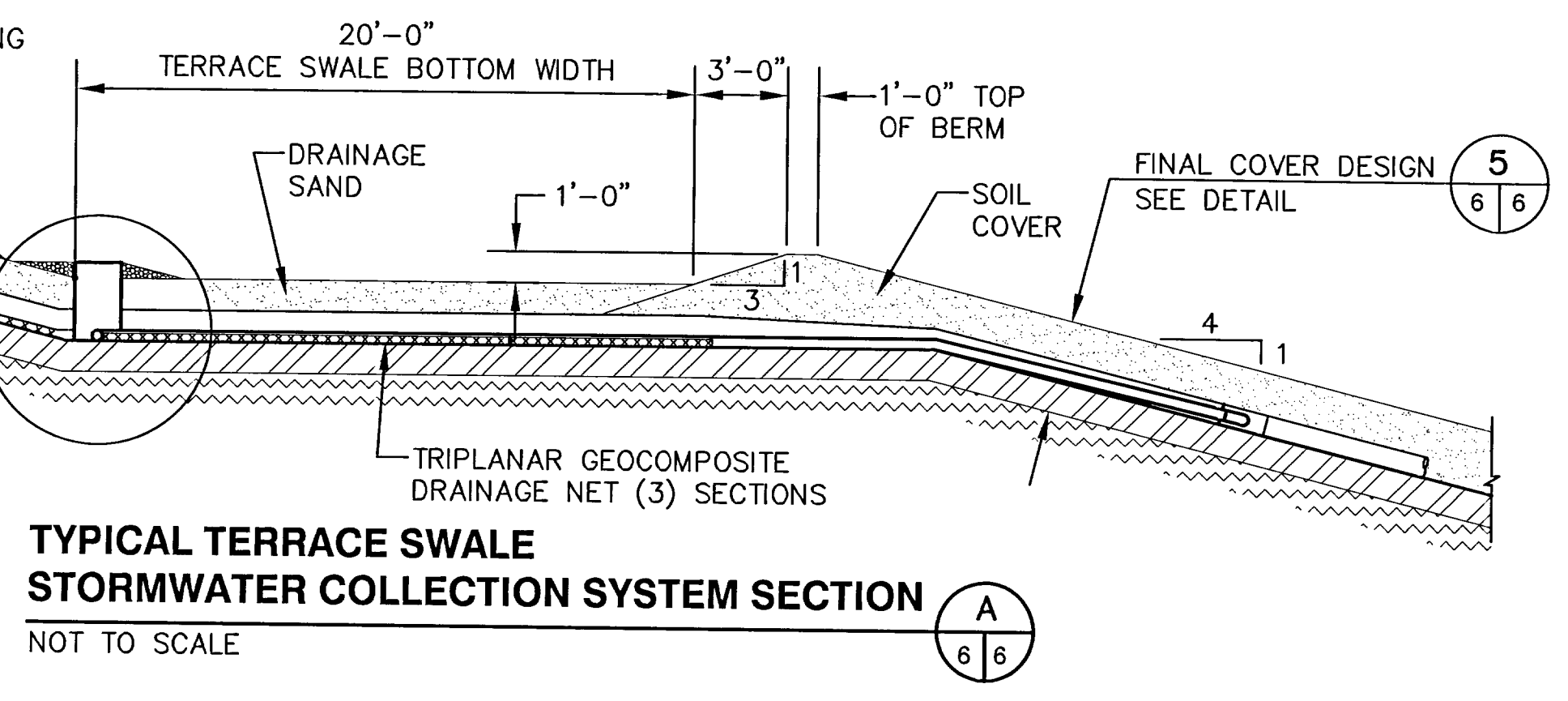
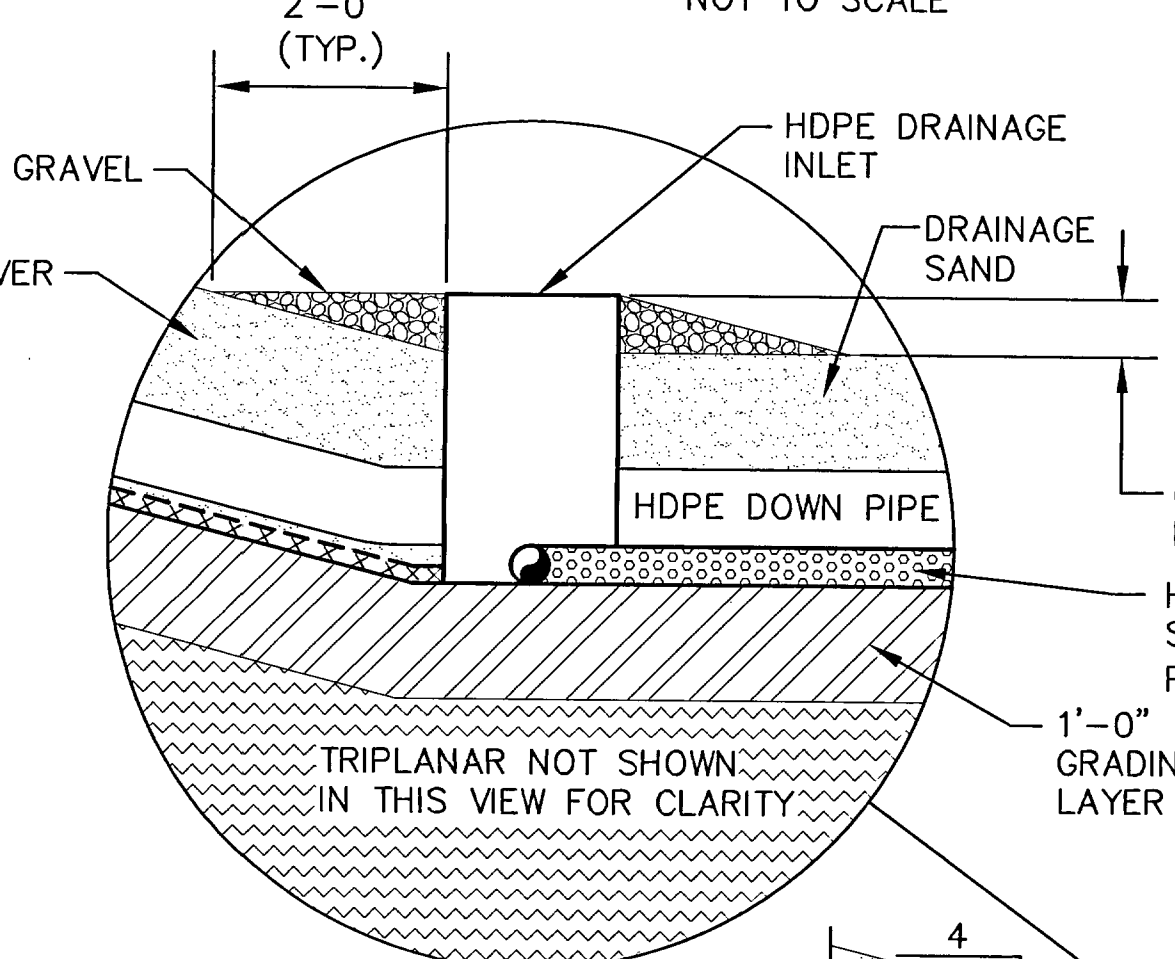
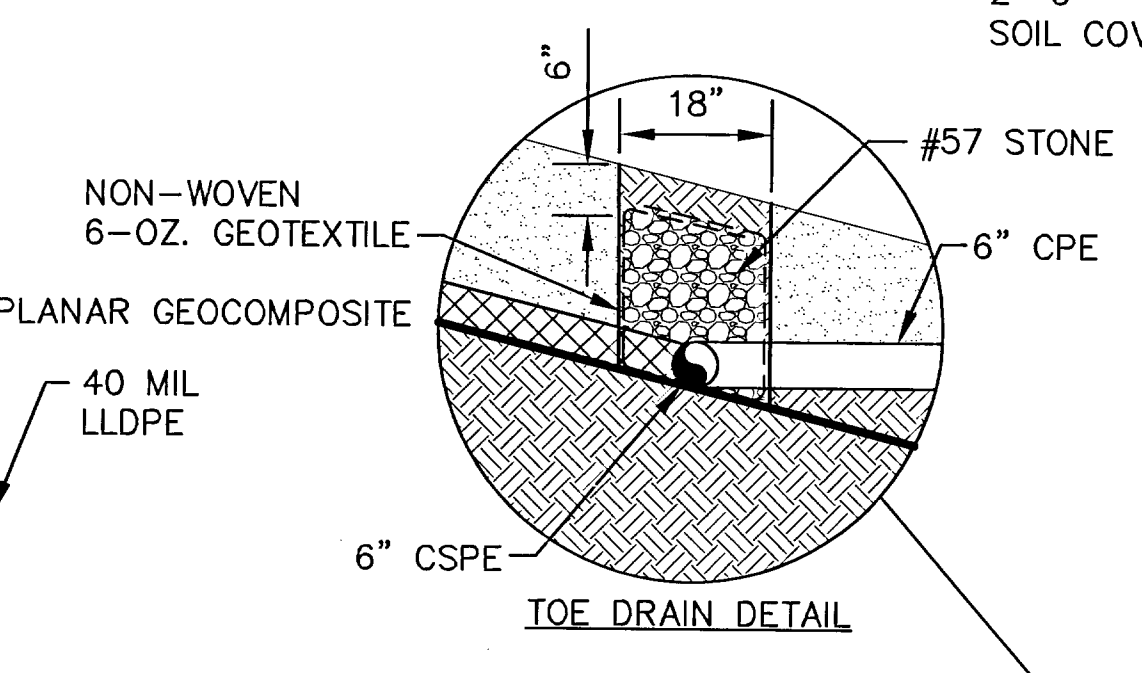
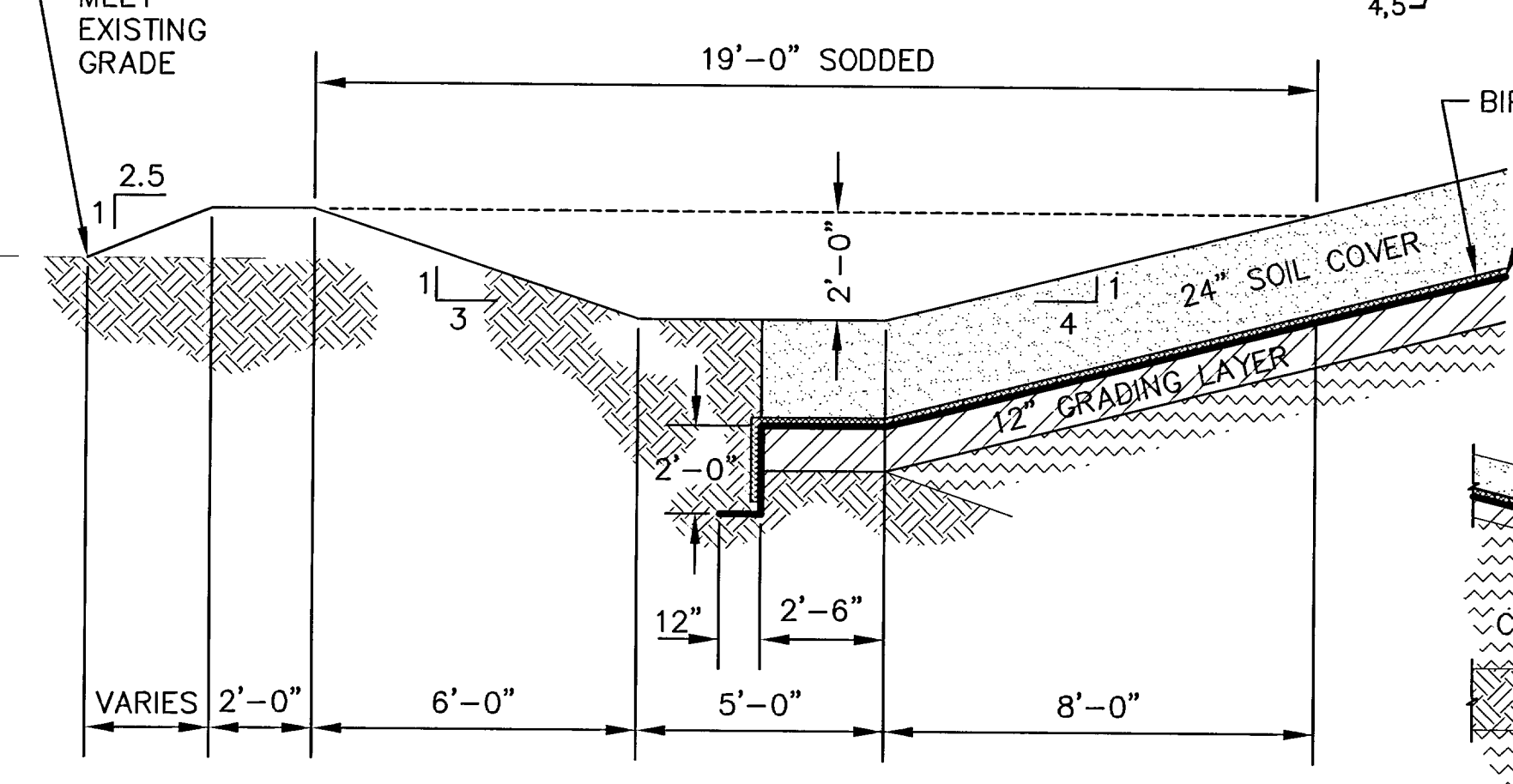
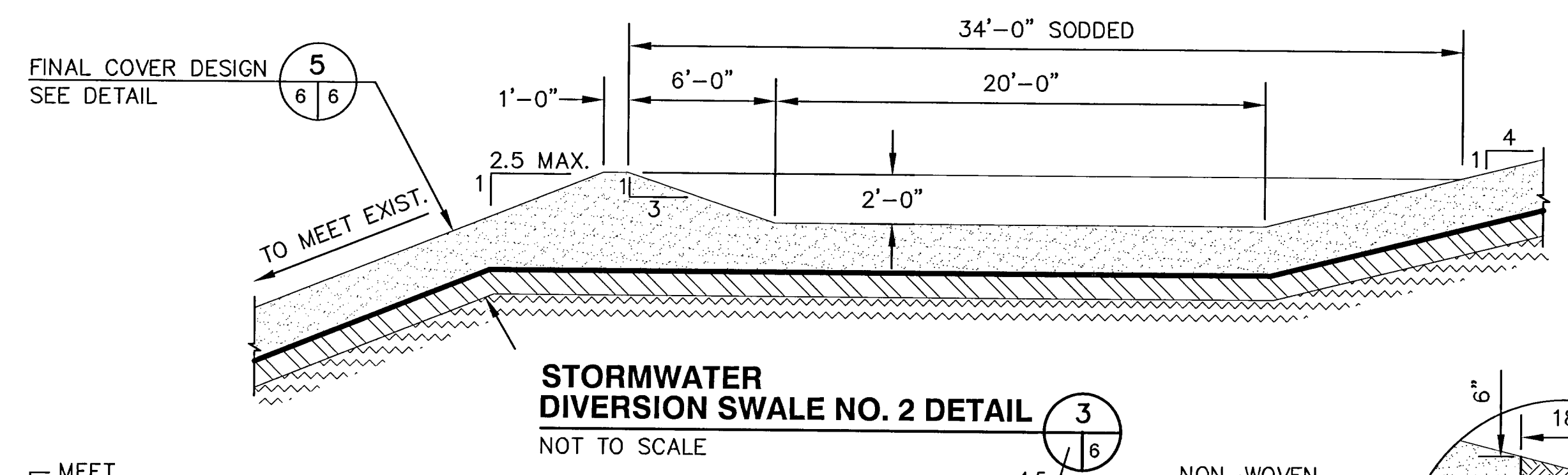
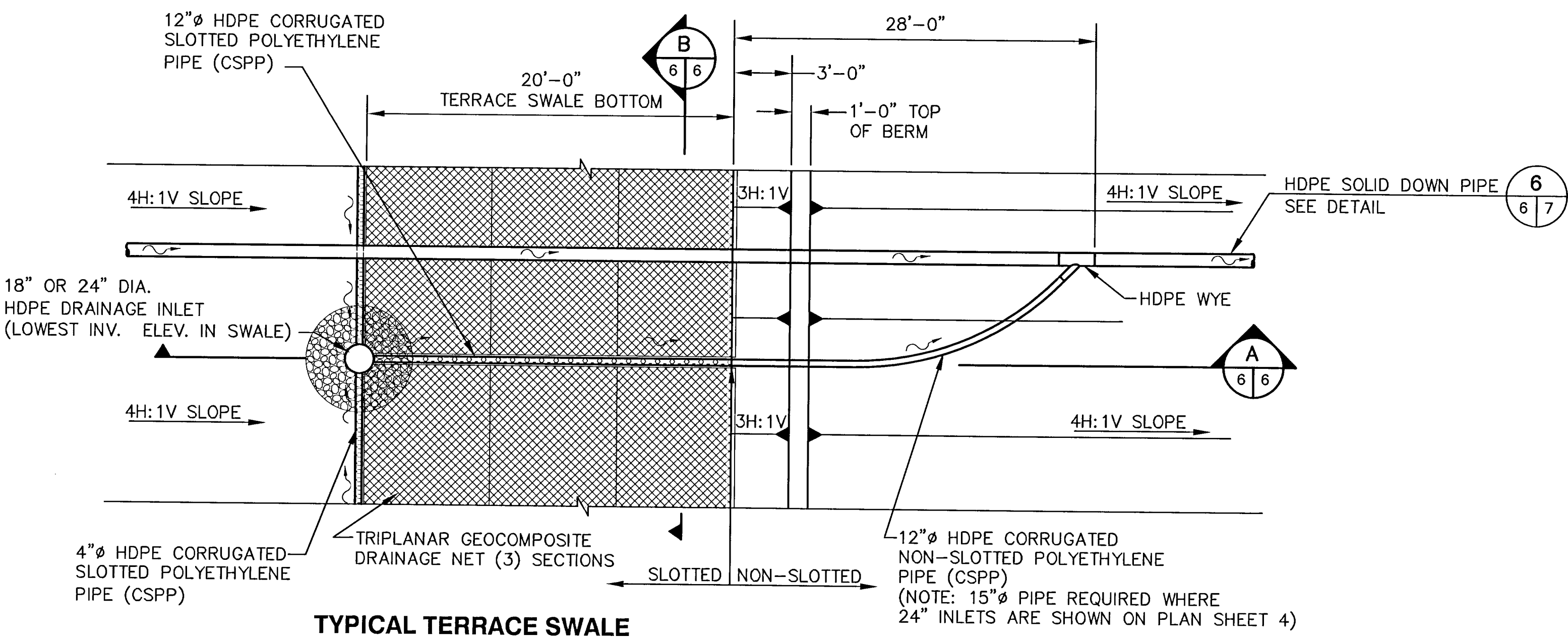
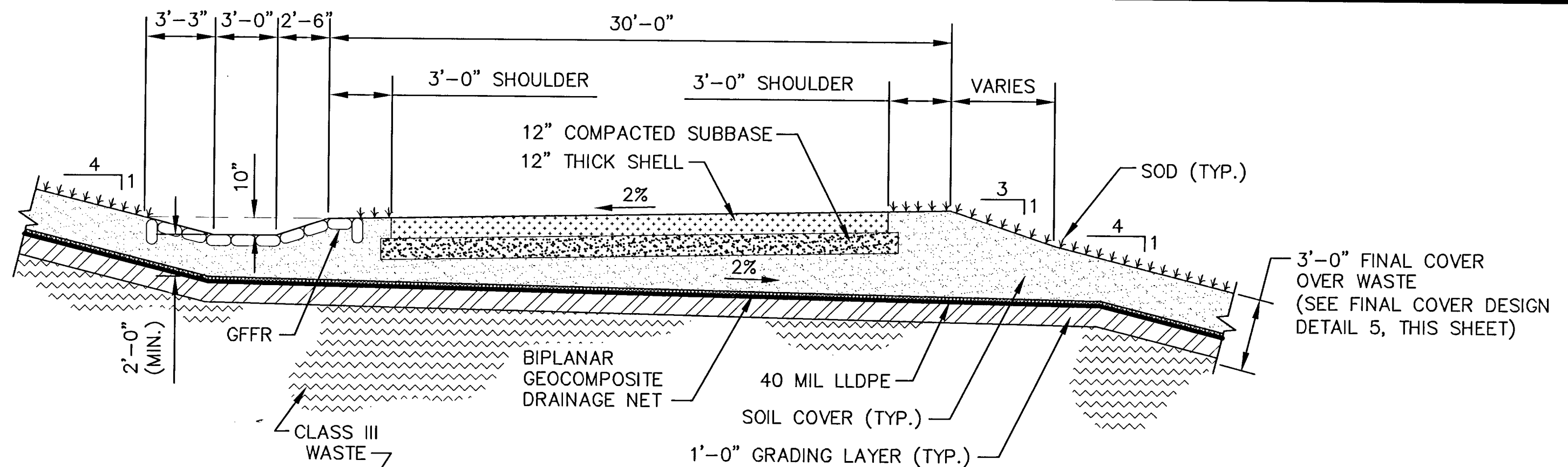
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SECTIONS
DRAWING TITLE
PROJECT TITLE
TOMOKA FARMS ROAD LANDFILL
CLASS III CELL
OPERATION PERMIT RENEWAL

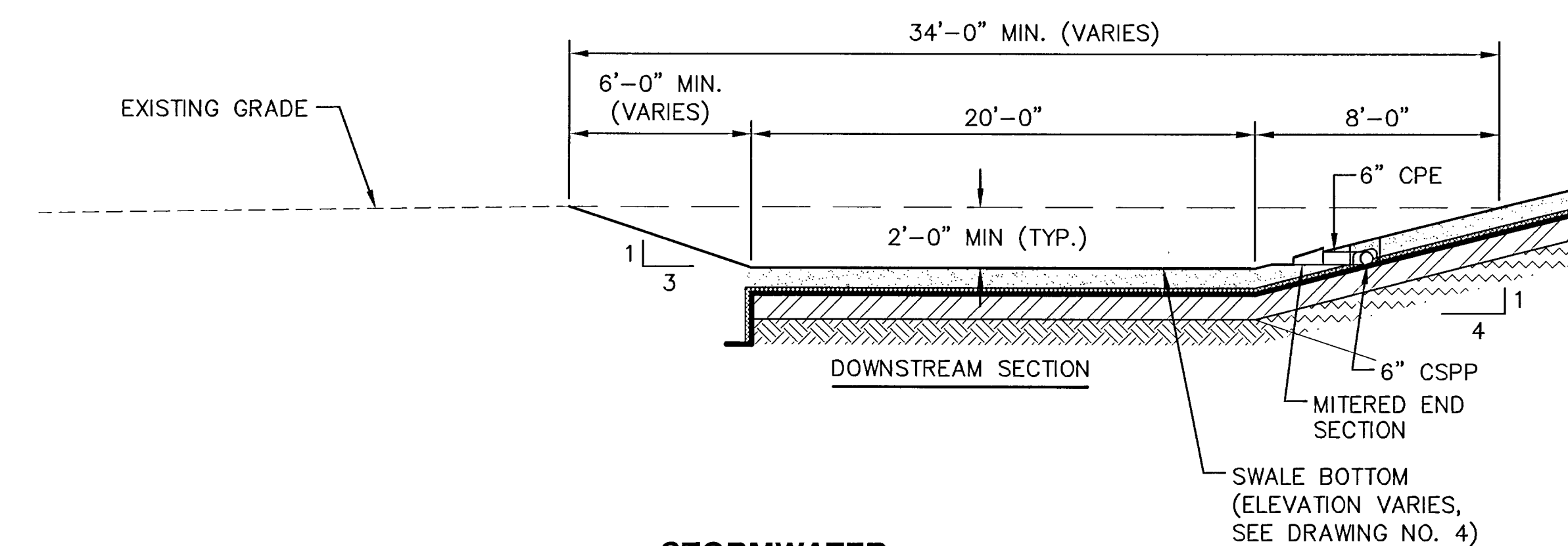
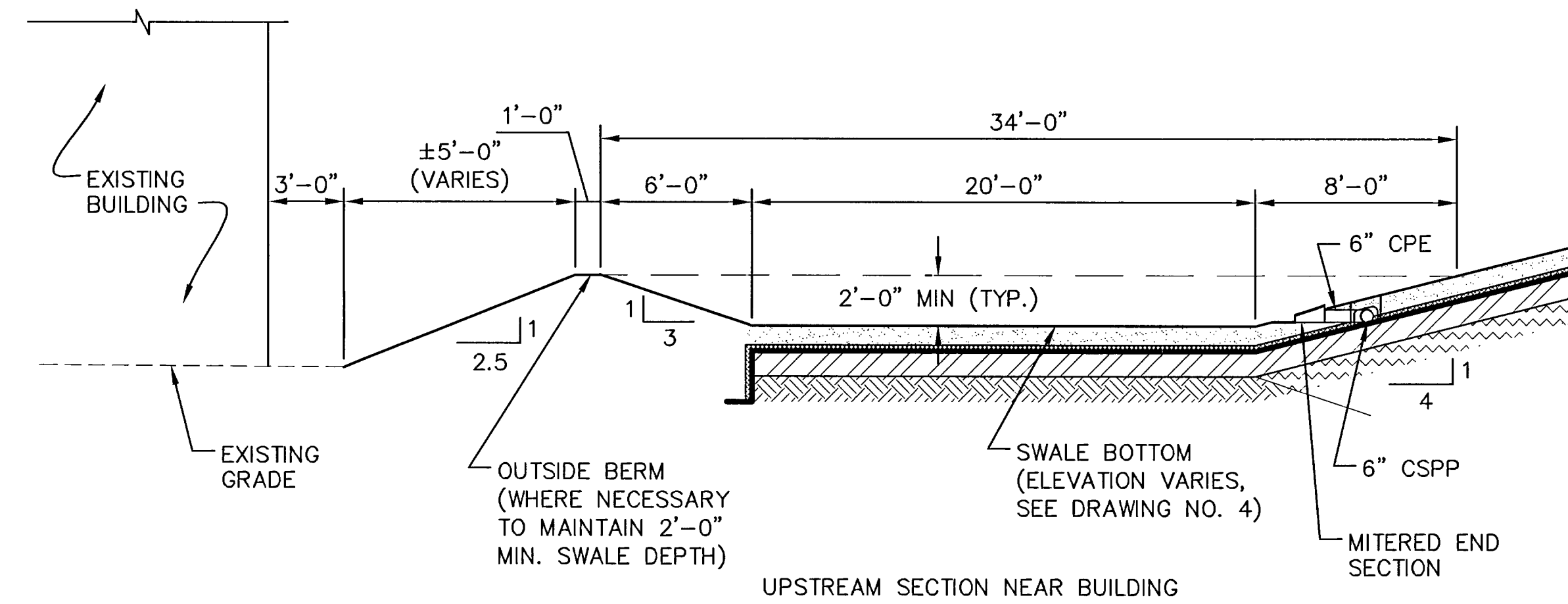
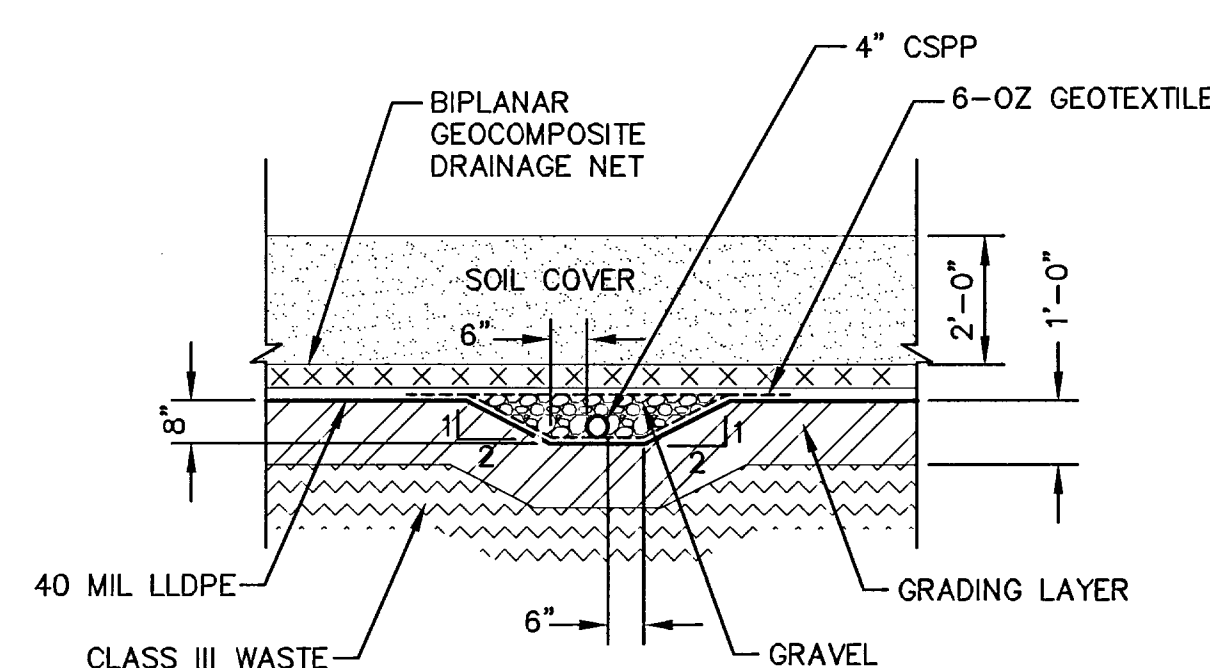
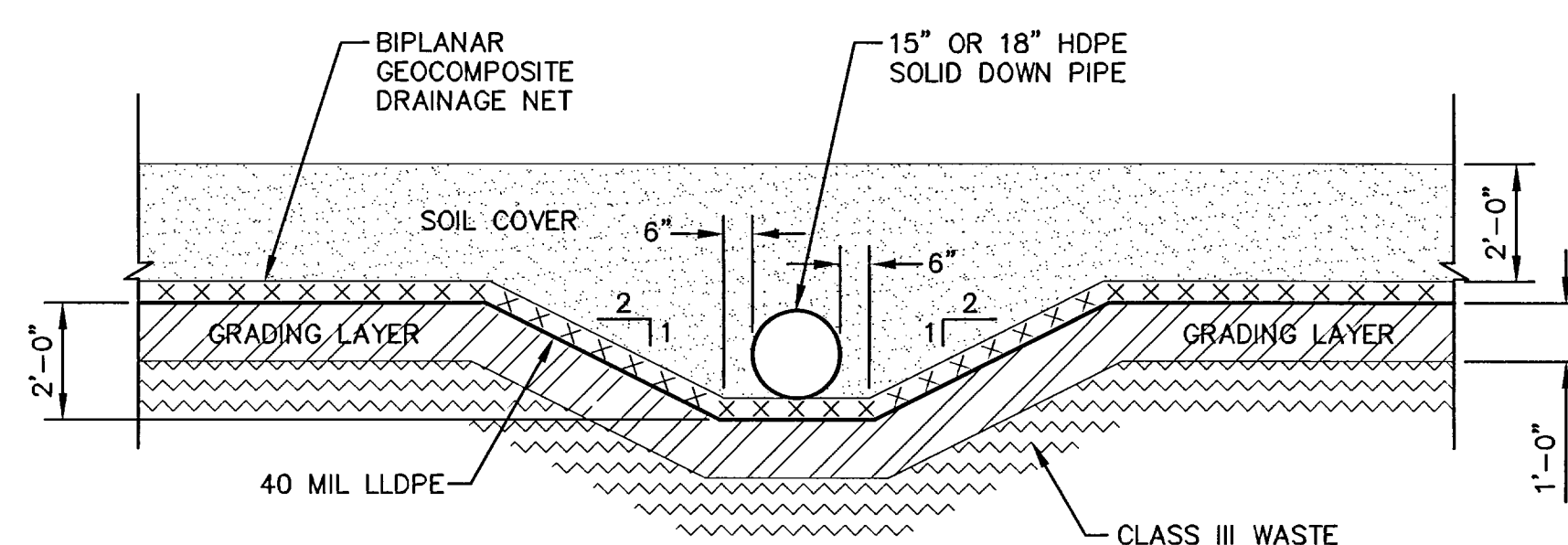
CLIENT
VOLUSIA COUNTY
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE DIVISION
DELAND, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610
813 821-0080 FAX 813 823-8757
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004882
PROJ. NO. 080707SECTIONS
DATE: 09/28/07
DRAWN BY: SDA
CHECKED BY: LAP
APP. BY: RJD
O/A: RWB: CEH

CADD FILE:
080707SECTIONS
DATE:
JUNE 2009
SCALE:
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DRAWING NO.

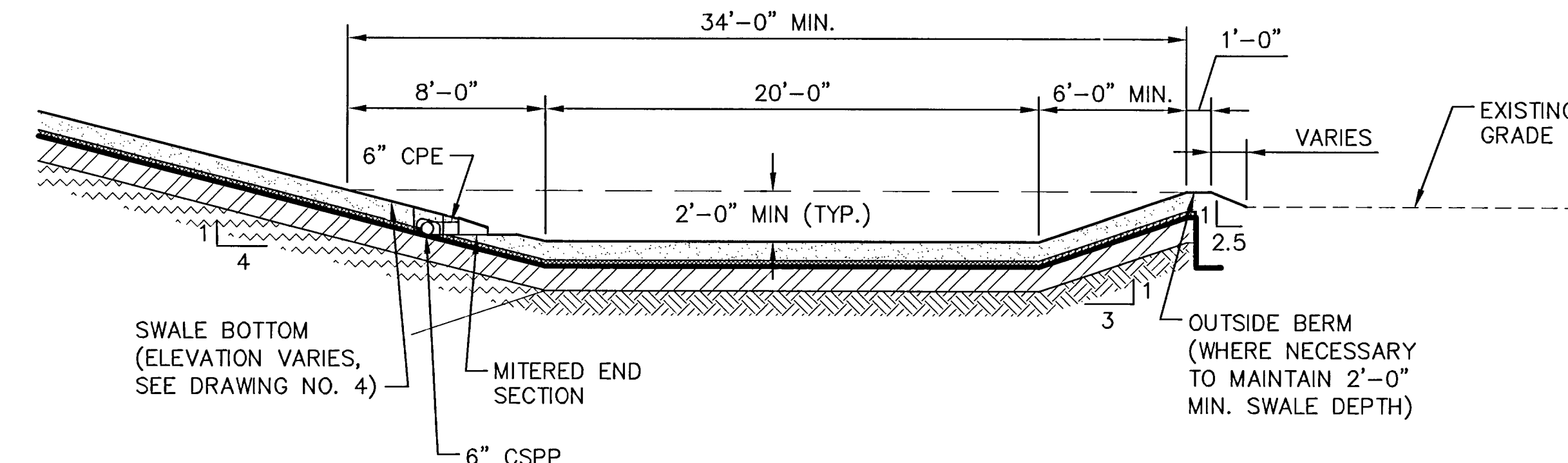


SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS 4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610 813 821-0080 FAX 813 823-6757 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004882 PROJ. NO. 09208007.07 TOWN BY SDA DES. BY LAR APP. BY R.D. CADD FILE: 080707DET1 DATE: JUNE 2009 SCALE: AS SHOWN DRAWING NO.		CLIENT VOLUSIA COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE DIVISION DELAND, FLORIDA		DRAWING TITLE DETAILS - 1		PROJECT TITLE TOMOKA FARMS ROAD LANDFILL CLASS III CELL OPERATION PERMIT RENEWAL		BY Lee A. Powell, P.E. LICENSE NO. 35992
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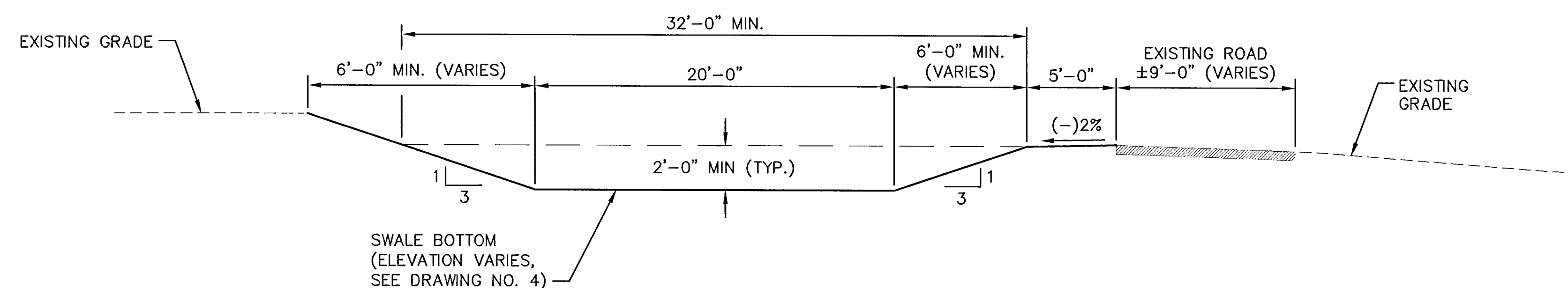
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DIVERSION SWALE NO. 1 DETAIL**

SCALE: 1" = 5'



**STORMWATER
DIVERSION SWALE NO. 2 DETAIL**

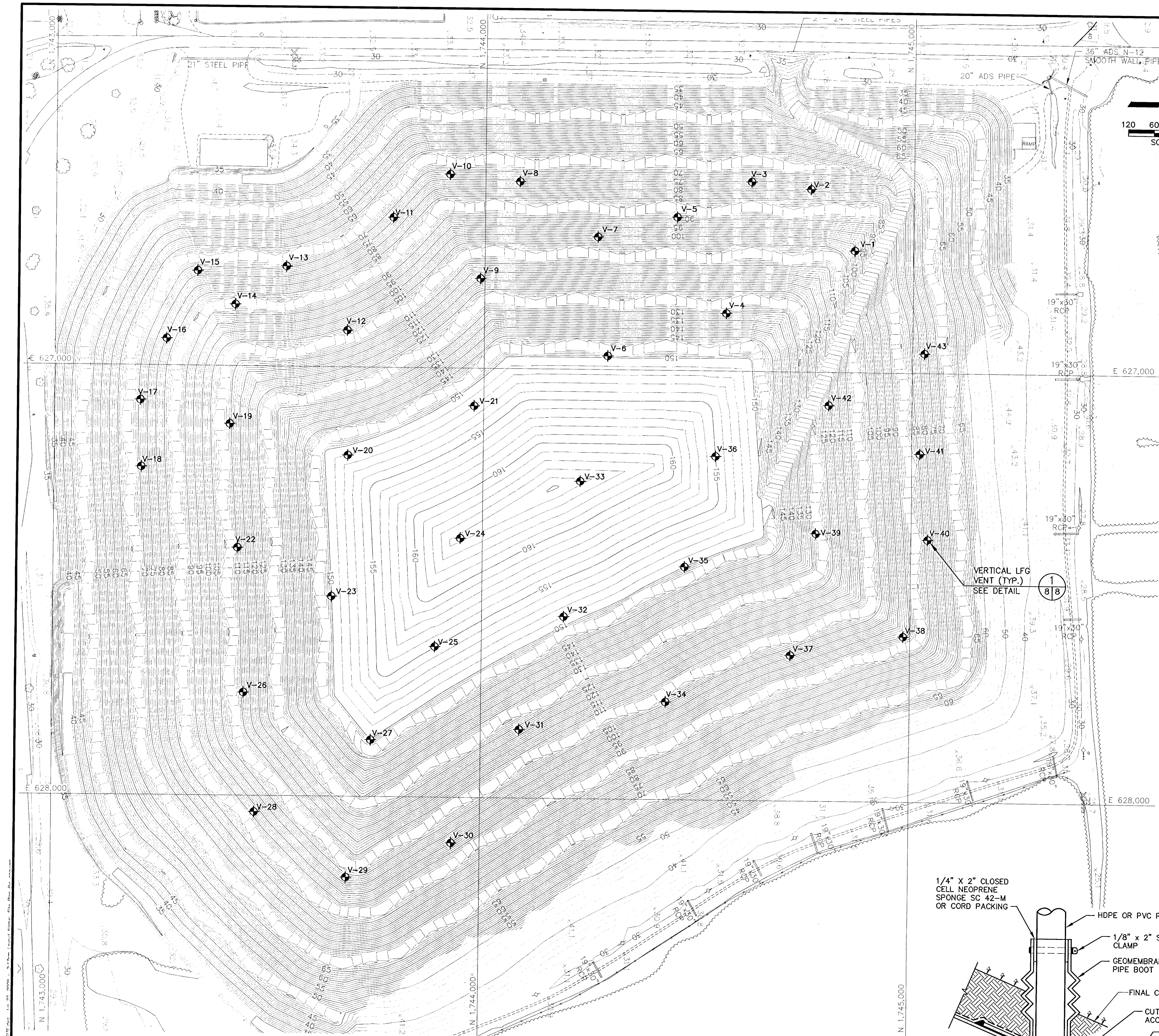
SCALE: 1" = 5'



**STORMWATER
DIVERSION SWALE NO. 3 DETAIL**

SCALE: 1" = 5'

SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS 4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610 813 821-0080 FAX 813 823-9757 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004882	CLIENT VOLUSIA COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE DIVISION DELAND, FLORIDA				DRAWING TITLE DETAILS - 2		REV	DATE	DESCRIPTION	BY
	PROJECT TITLE TOMOKA FARMS ROAD LANDFILL CLASS III CELL OPERATION PERMIT RENEWAL				△					
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PROJ. NO. 080707 O/A R/W BY: JCH USR BY: JCH LAP LAP CRK BY: LAP APP. BY: RJD					△					
CADD FILE: 080707DET12		DATE: JUNE 2009				△				
SCALE: AS SHOWN						△				
DRAWING NO.										
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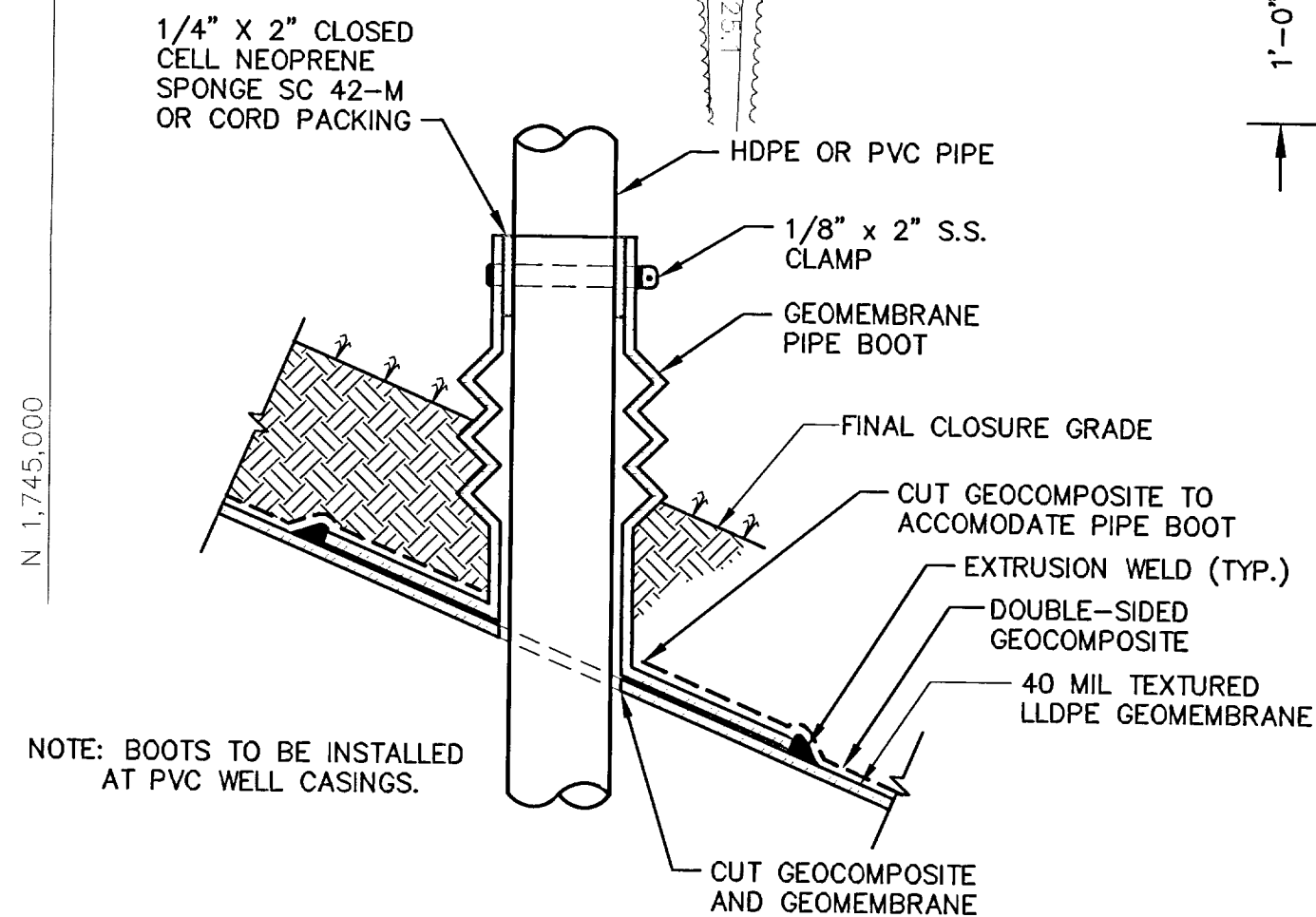


SURVEY SOURCE NOTES:

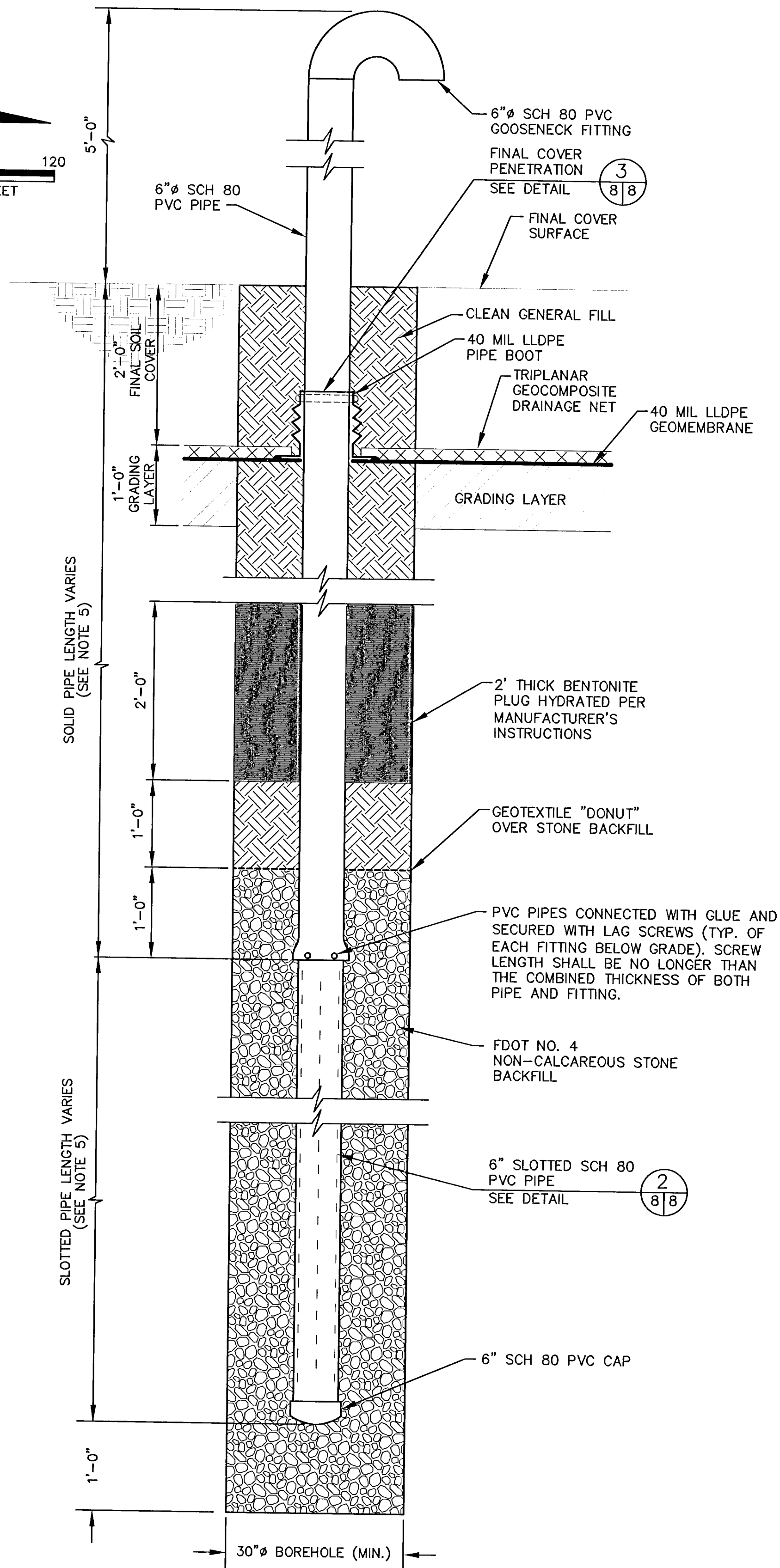
1. TOPOGRAPHIC SURVEY SHOWN PRODUCED BY PHOTOGRAMMETRIC METHODS AND PERFORMED BY: AERIAL CARTOGRAPHICS OF AMERICA, P.O. BOX 593846, ORLANDO FLORIDA, 32859-3846 (1722 W. OAK RIDGE ROAD, ORLANDO FLORIDA, 32809), LB # 0006748.
2. AERIAL PHOTO DATE: APRIL 7, 2009
3. SURVEYOR AND MAPPER IN RESPONSIBLE CHARGE: MARK DETRICK, PSM # 5433.
4. MAPPING COORDINATES ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (1990 ADJUSTMENT).
5. FIELD SURVEY CONTROL ELEVATIONS AND RESULTING MAPPING ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

NOTES:

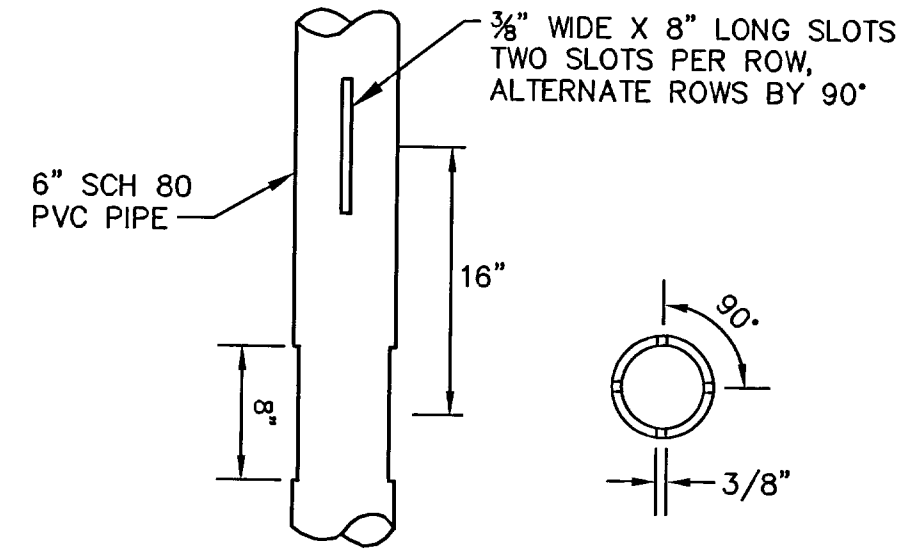
1. WELL BOREHOLES SHALL TERMINATE A MINIMUM OF 15 FEET ABOVE THE BOTTOM OF REFUSE.
2. DRILLER SHALL LOG REFUSE DESCRIPTION, TEMPERATURE, APPROX. MOISTURE CONTENT, PRESENCE OF LIQUID AND DEGREE OF DECOMPOSITION AT 10-FT. INTERVALS.
3. CONTRACTOR SHALL SURVEY AND STAKE THE PROPOSED VENT LOCATIONS AND PROVIDE THE GROUND SURFACE ELEVATION TO THE ENGINEER AND OWNER AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF WELL DRILLING.
4. DURING DRILLING OF WASTE, CONTRACTOR SHALL EMPLOY ALL HEALTH AND SAFETY STANDARDS FOR LFG DRILLING. CONTRACTOR SHALL PREPARE AND ADHERE TO A HEALTH AND SAFETY PLAN THAT MUST BE SUBMITTED TO THE ENGINEER AND OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. VENT SCHEDULE TO BE ADDED AS PART OF LANDFILL CLOSURE CONSTRUCTION DOCUMENTS.



FINAL COVER PENETRATION DETAIL (3/8)



VERTICAL LFG VENT DETAIL (1/8)



SLOTTED PIPE DETAIL (2/8)

SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS 401 PARK CHASE BLVD., SUITE 100, TAMPA, FL 33610 813.821.0088 FAX 813.824.2577 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004882 ISS. DATE: 09/20/2007		BY: [Signature] DATE: 23 Jun 09 LEE A. POWELL, P.E. LICENSE NO. 35992	
CLIENT VOLUSIA COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE DIVISION DELAND, FLORIDA		DRAWING TITLE PASSIVE VENT SYSTEM SITE PLAN	
CADD FILE: 080707LFGSITE		PROJECT TITLE TOMOKA FARMS ROAD LANDFILL CLASS III CELL OPERATION PERMIT RENEWAL	
DATE: JUNE 2009		REV: [Table with 3 columns: REV, DATE, DESCRIPTION]	
SCALE: AS SHOWN		REV: [Table with 3 columns: REV, DATE, DESCRIPTION]	
DRAWING NO. 8 of 8		REV: [Table with 3 columns: REV, DATE, DESCRIPTION]	