

STORMWATER MANAGEMENT

17 Attachment 3

Borough of Elizabethtown

APPENDIX C

STORMWATER MANGEMENT AND BMP CONSTRUCTION DETAILS

[Ord. 954, 12/19/2013]

STANDARD STORMWATER MANAGEMENT DETAILS

DETAIL INDEX:

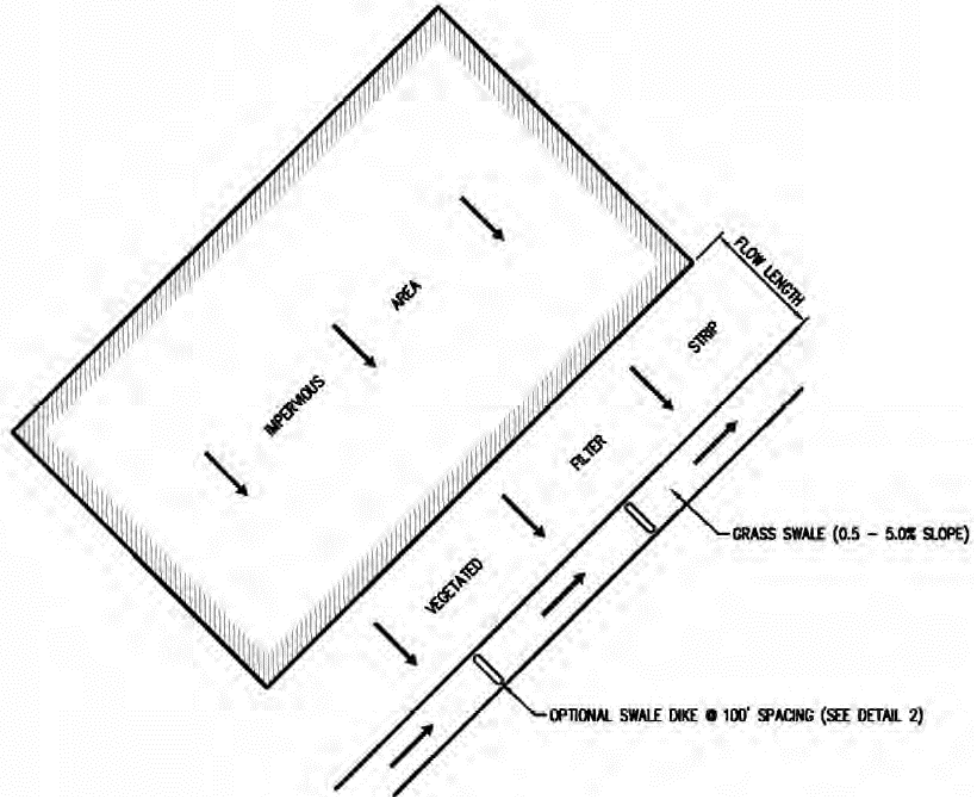
1. FILTER STRIP/GRASS SWALE
2. FILTER STRIP
3. GRASS SWALE
4. INFILTRATION TRENCH
5. DRY WELL
6. INFILTRATION BASIN
7. EXTENDED DRY DETENTION POND
8. RAIN GARDEN
9. WET POND
10. WATER QUALITY INLET
11. CISTERN
12. ROOF DRAIN & IN-LINE LATERAL/CLEANOUT
13. PERMANENT RESTORATION FOR AREAS OTHER THAN ROADWAYS
14. PIPE BEDDING AND TRENCH BACKFILL
15. SEEPAGE BED WITH ROOF LEADER SYSTEM
16. DOWNSPOUT DEBRIS FILTER

DECEMBER 05, 2013

Hanover

Engineering Associates Inc

20 C Snyder Lane Ephrata, PA 17522-9101
717.721.7444 Fax 717.721.7447



NOTE:
 FILTER STRIP MUST BE CONTIGUOUS TO IMPERVIOUS
 AREA. RUNOFF ACROSS IMPERVIOUS AREA SHALL
 ALSO BE IN SHEET FLOW.

**FILTER STRIP/GRASS SWALE
 STANDARD SWM SPECIFICATIONS**

Hanover

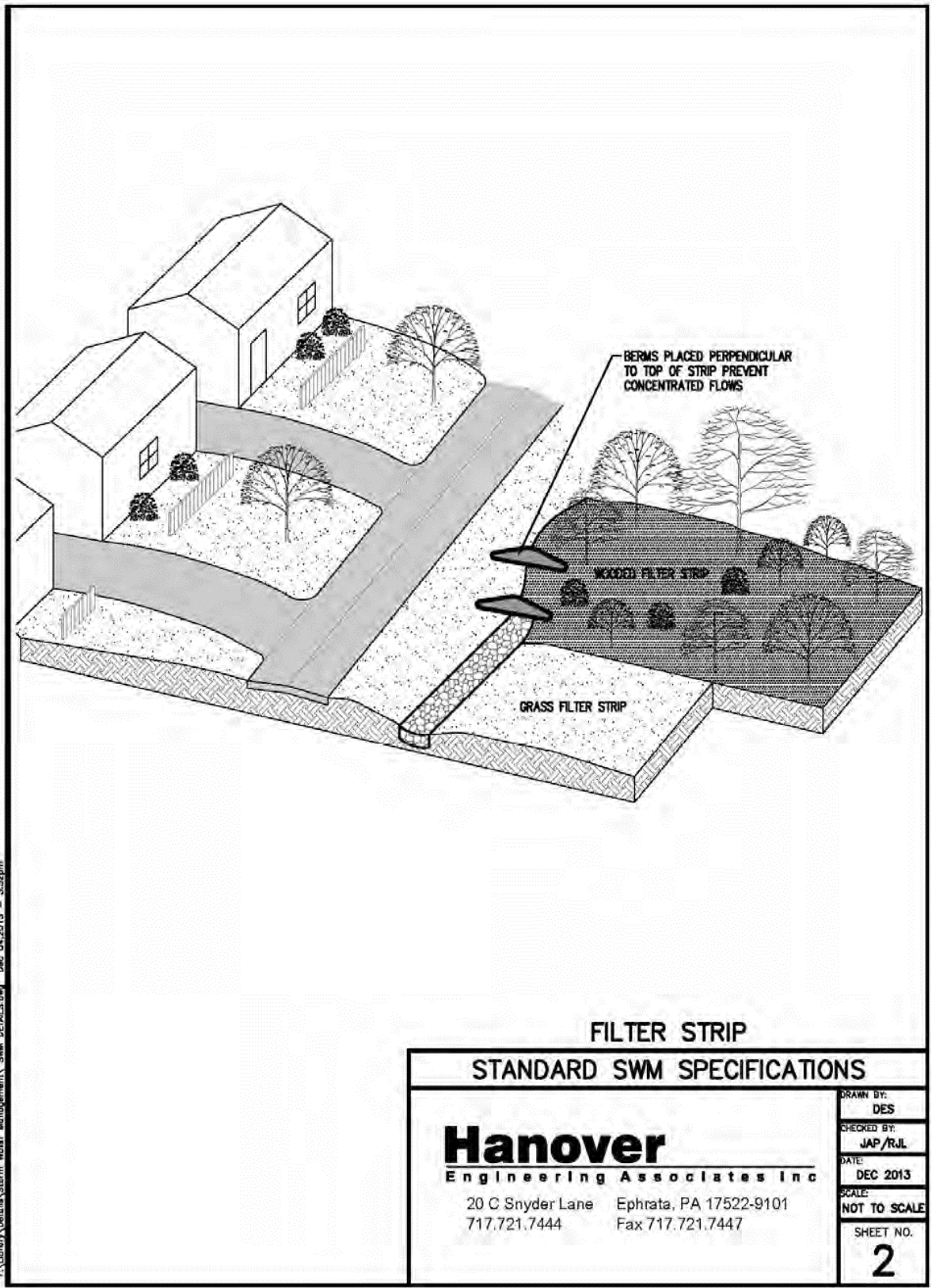
Engineering Associates Inc

20 C Snyder Lane Ephrata, PA 17522-9101
 717.721.7444 Fax 717.721.7447

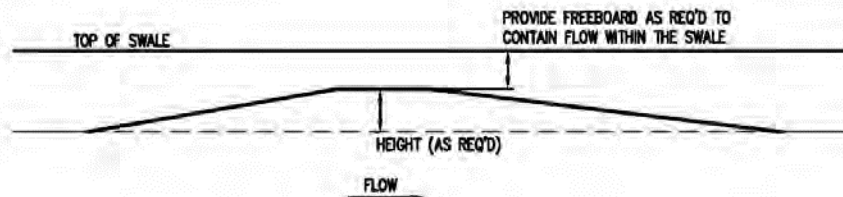
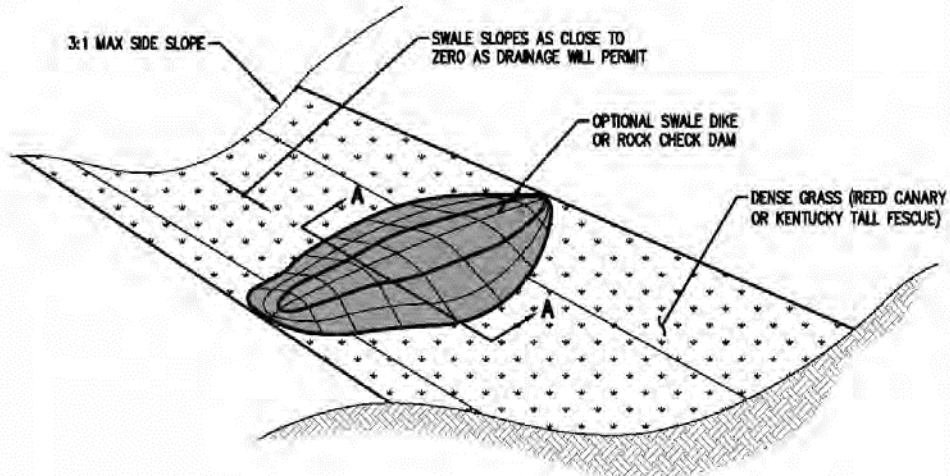
DRAWN BY:	DES
CHECKED BY:	JAP/RJL
DATE:	DEC 2013
SCALE:	NOT TO SCALE
SHEET NO.	1

Y:\Library\Divisions\Storm Water Management\SWM DETAILS.dwg Dec 04, 2013 3:51 pm

STORMWATER MANAGEMENT



Y:\Library\Detailing\Storm Water Management\ SWM DETAILS.dwg Dec. 04.2013 - 3:52pm



SECTION A-A

GRASS SWALE

STANDARD SWM SPECIFICATIONS

Hanover

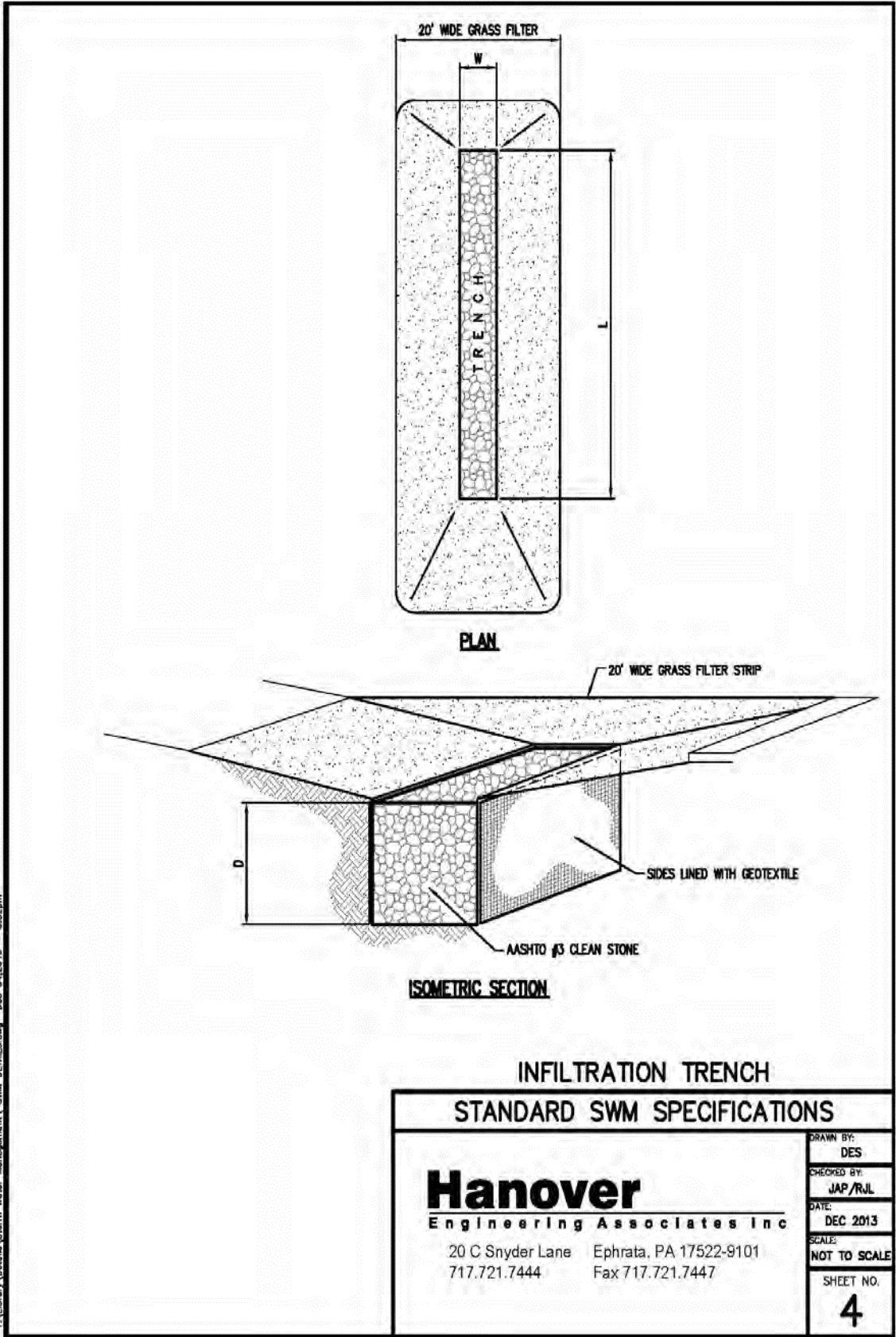
Engineering Associates Inc

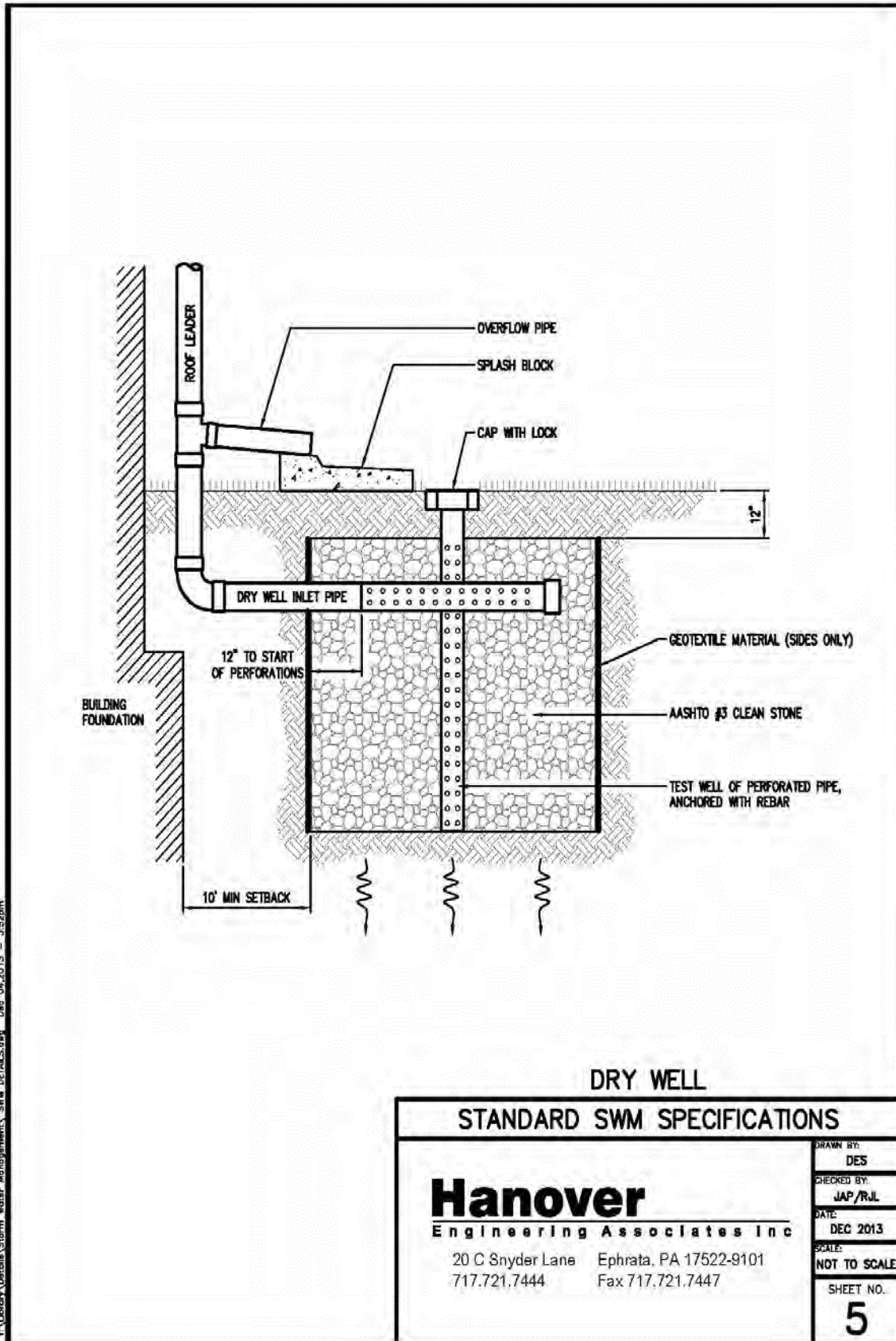
20 C Snyder Lane Ephrata, PA 17522-9101
717.721.7444 Fax 717.721.7447

DRAWN BY:	DES
CHECKED BY:	JAP/RJL
DATE:	DEC 2013
SCALE:	NOT TO SCALE
SHEET NO.	3

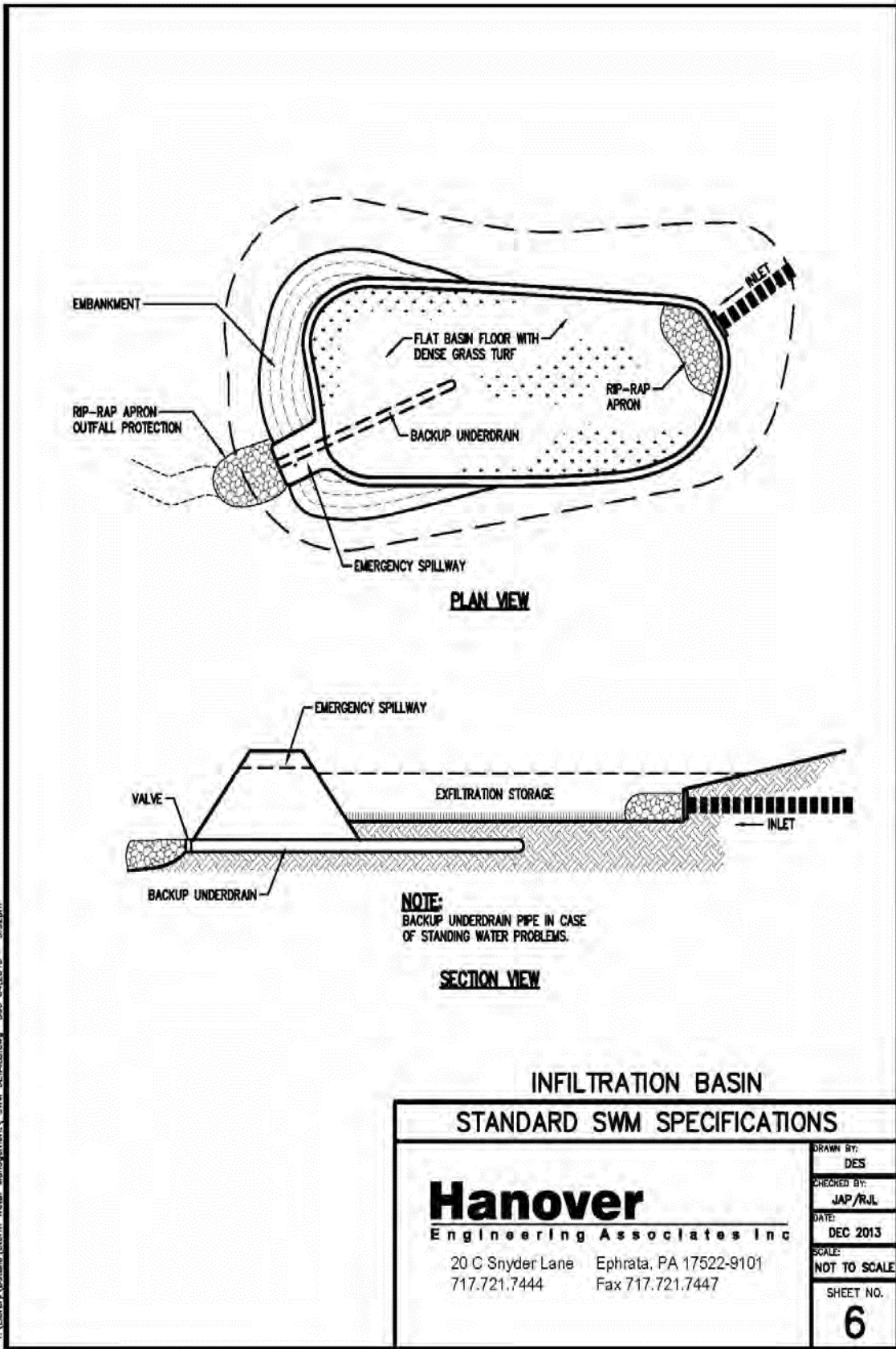
Y:\Library\Details\Storm Water Management\SWM DETAILS.dwg Dec 04, 2013 - 3:52pm

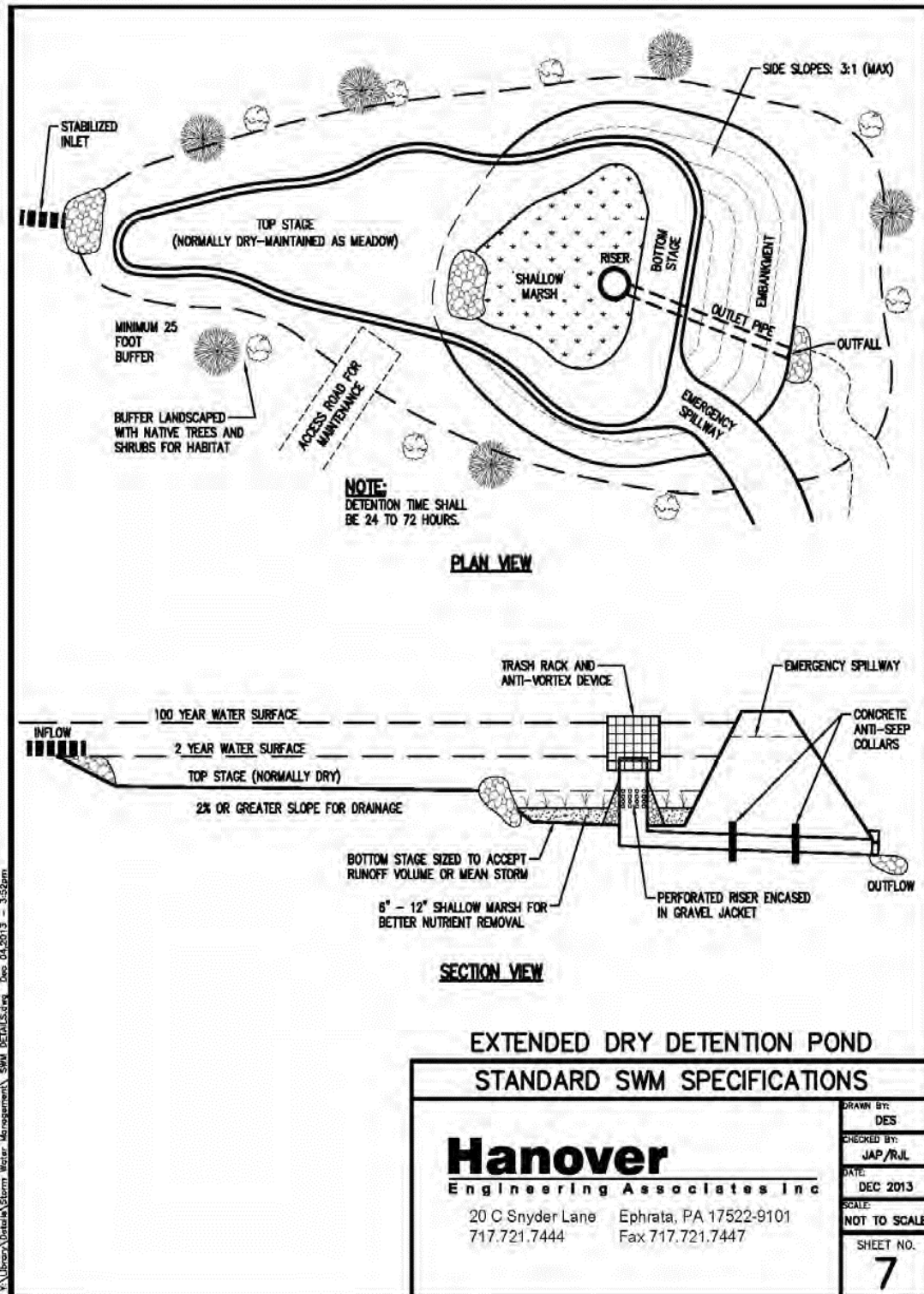
STORMWATER MANAGEMENT



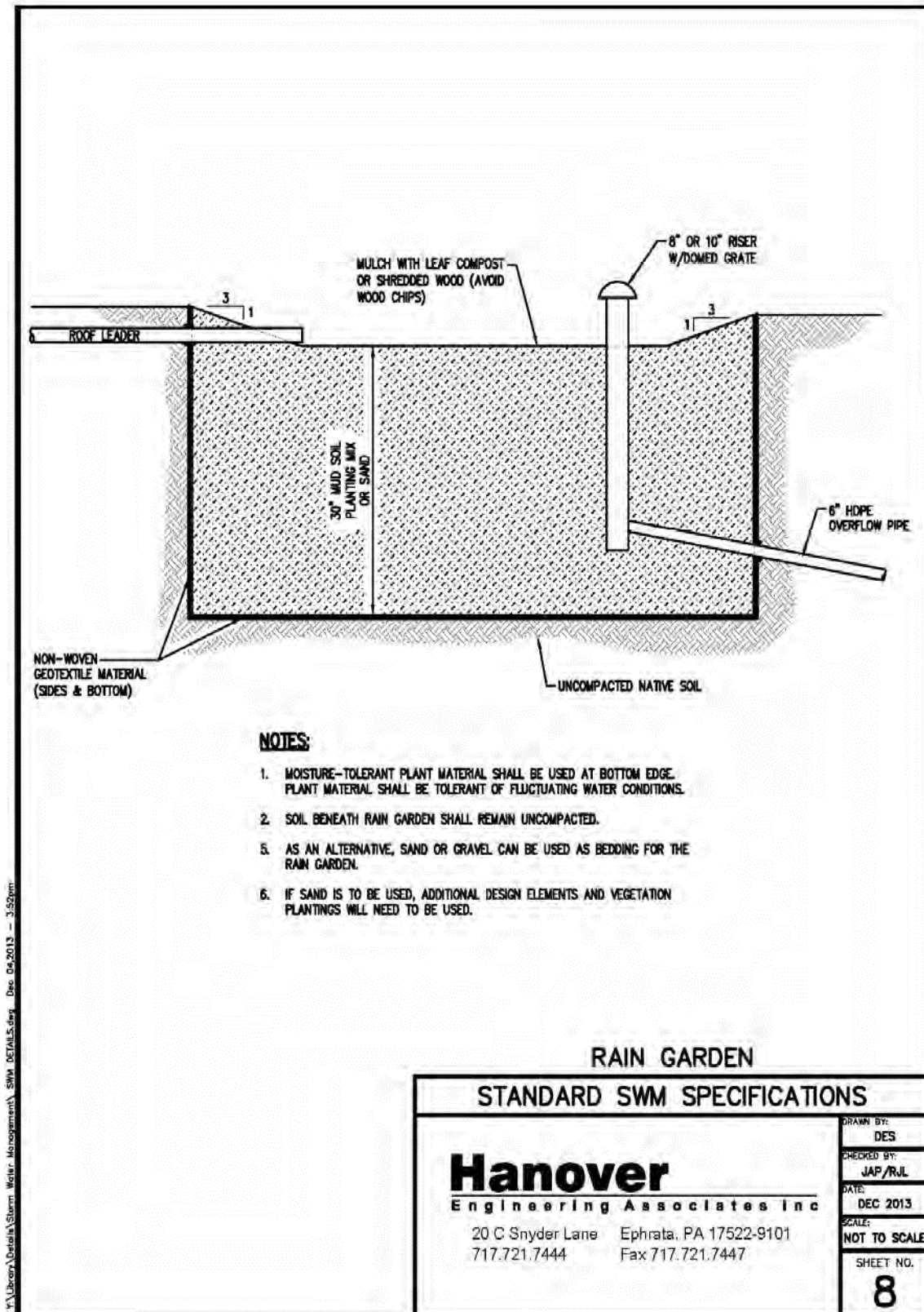


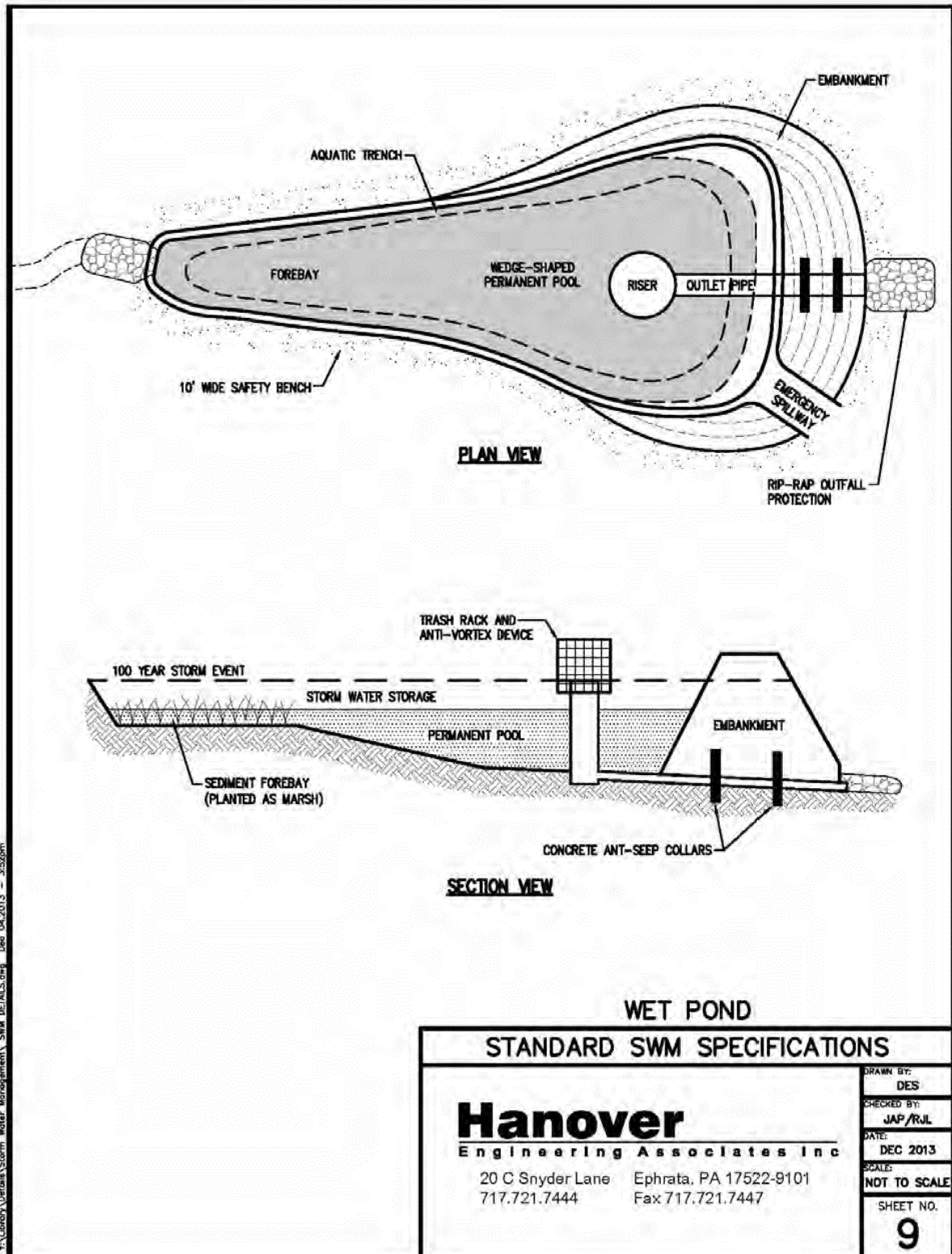
STORMWATER MANAGEMENT



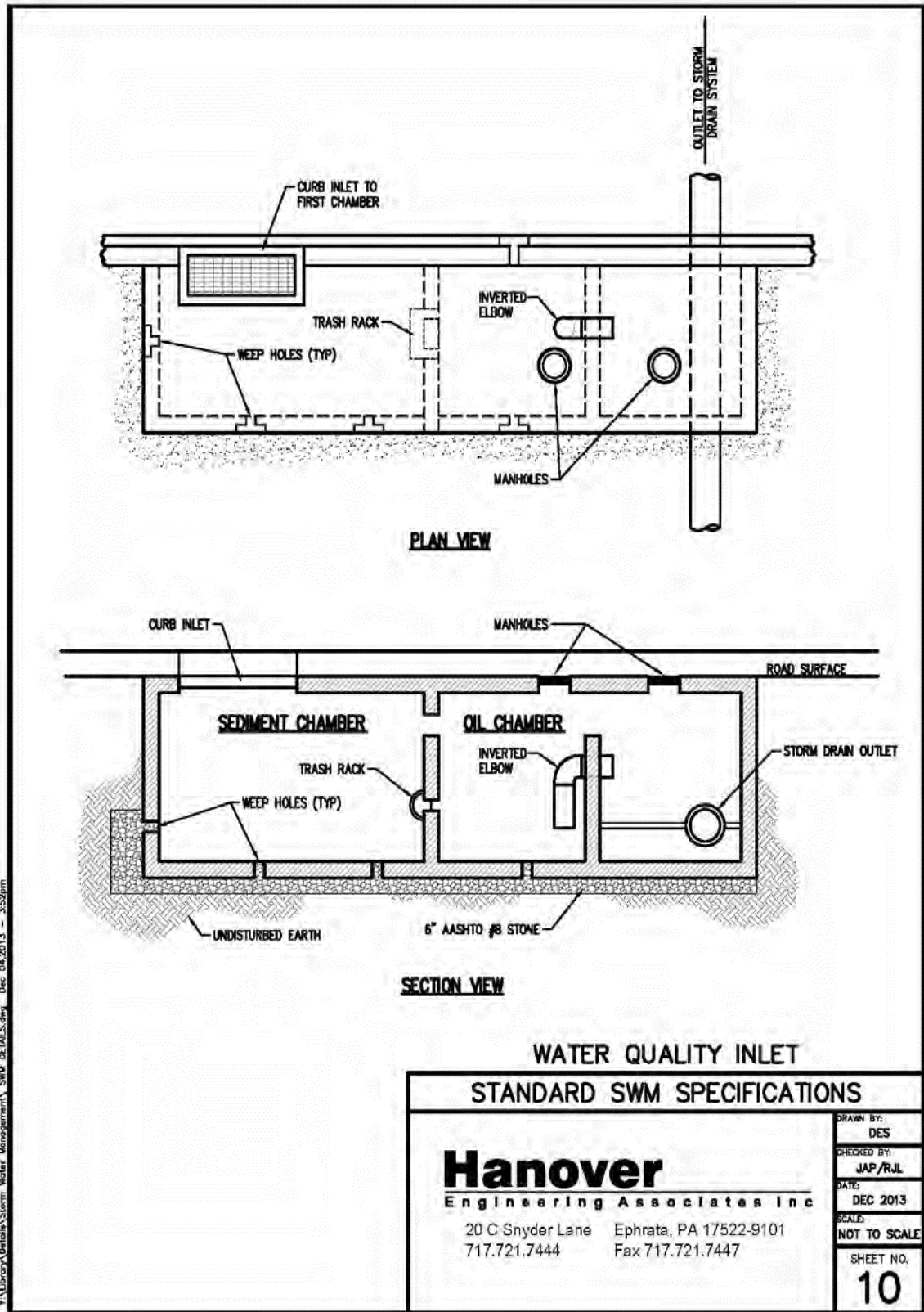


STORMWATER MANAGEMENT

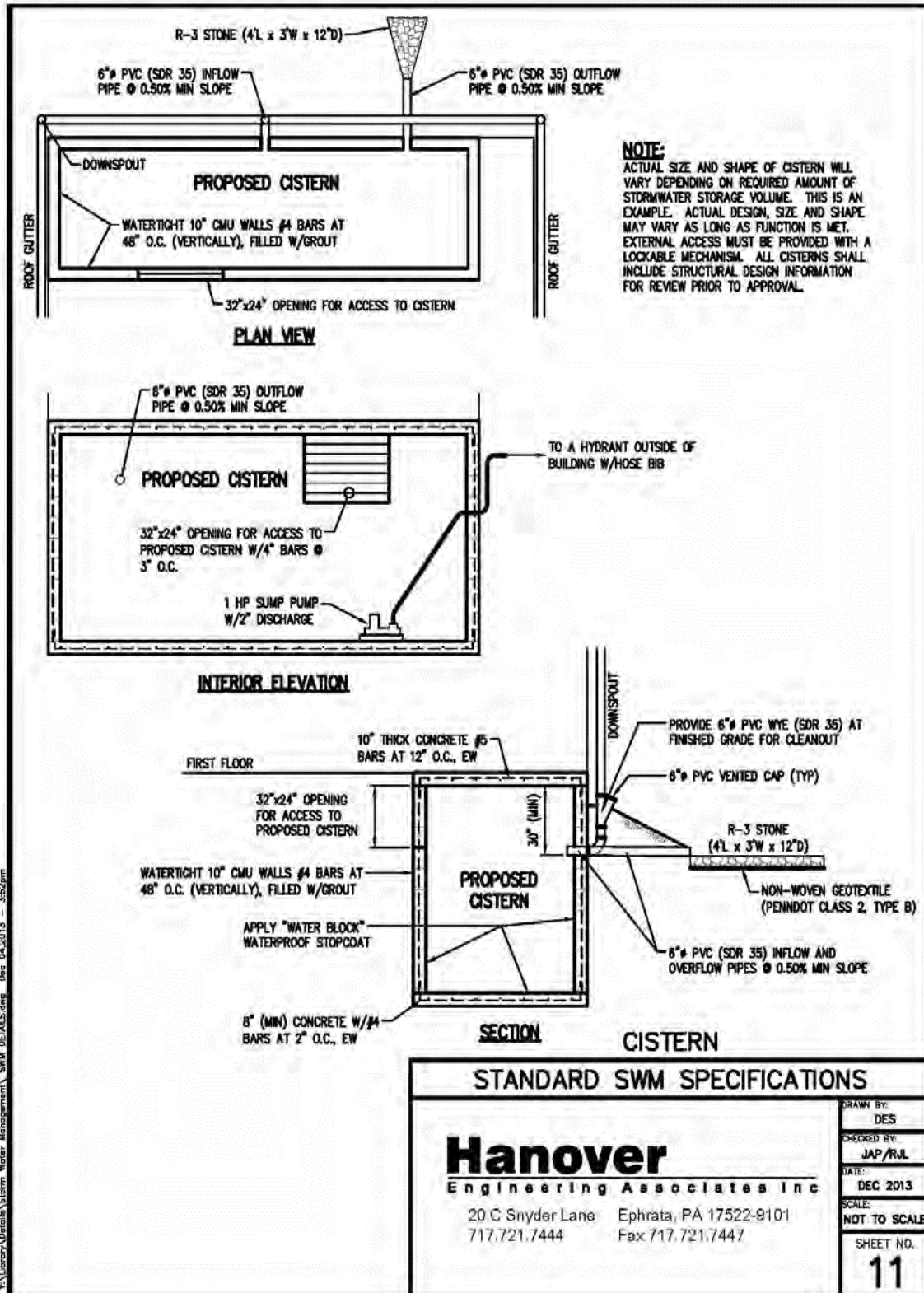




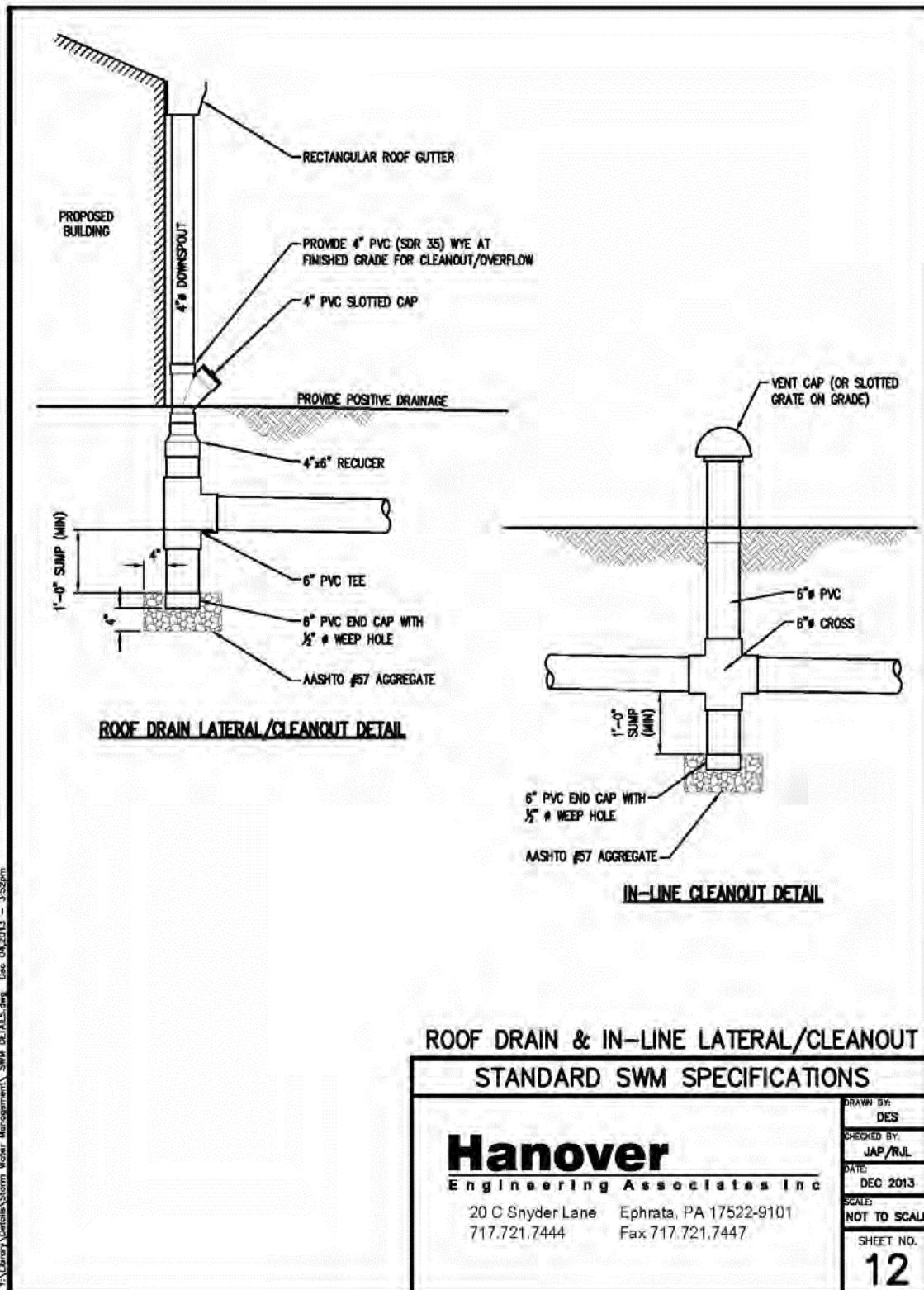
STORMWATER MANAGEMENT



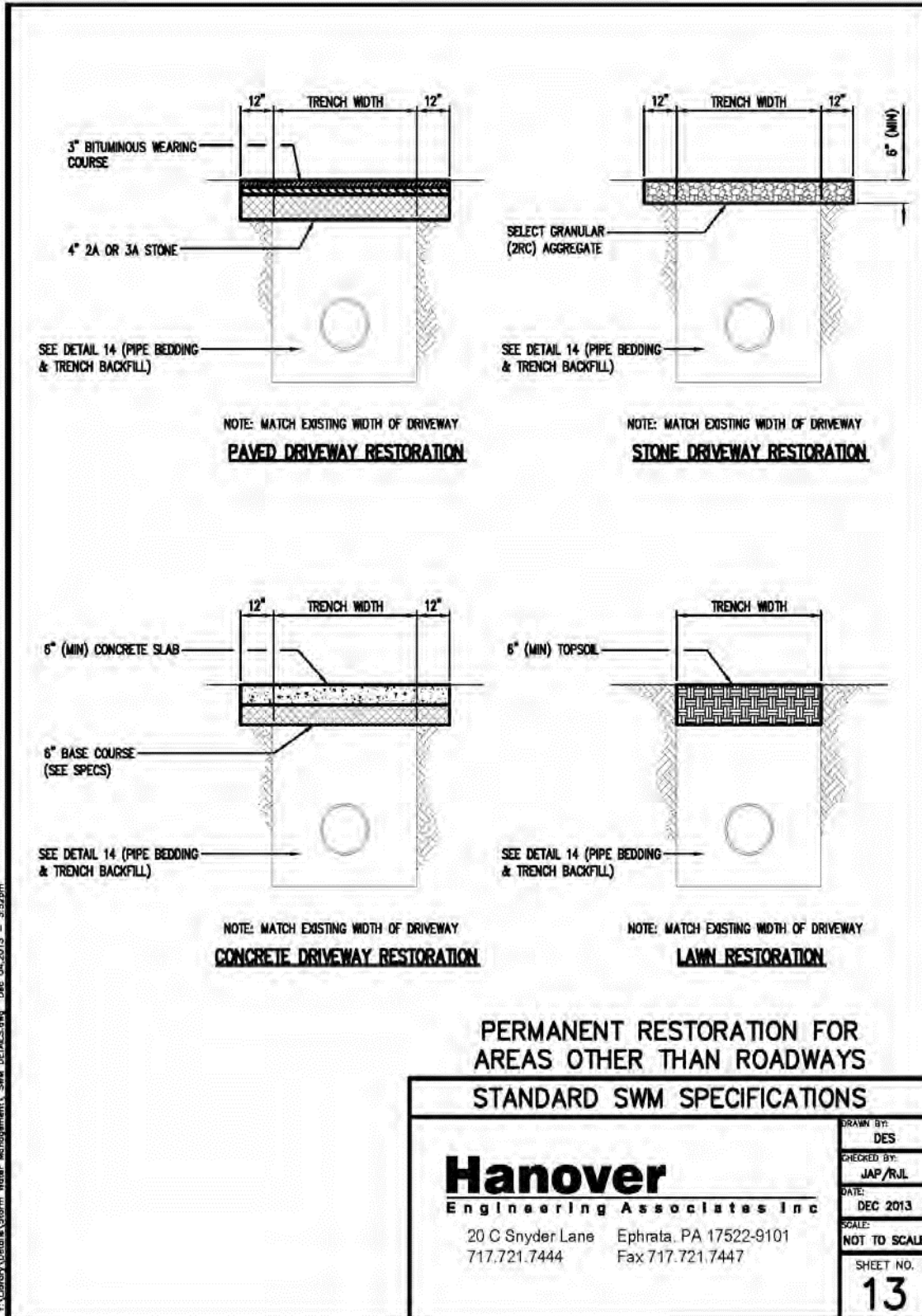
Y:\Library\Details\Storm Water Management\ SWM DET\ALS.dwg Dec 04 2013 - 3:52pm



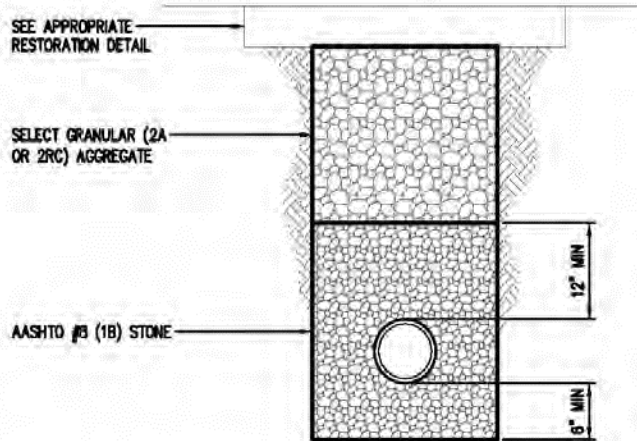
STORMWATER MANAGEMENT



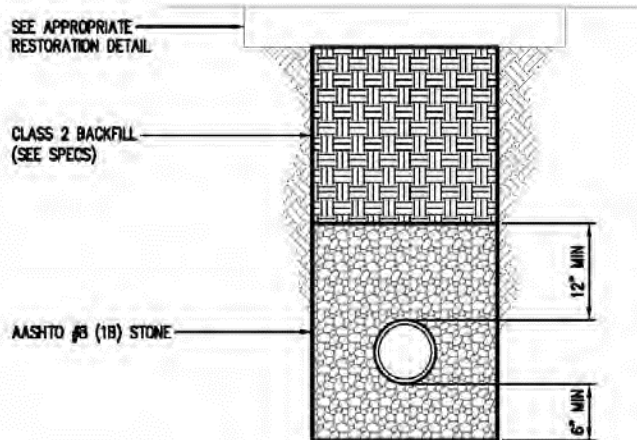
Y:\Library\Details\Storm Water Management\SWM DETAILS.dwg Dec 04,2013 - 3:52pm



STORMWATER MANAGEMENT



ROADWAYS & SHOULDERS



OTHER THAN ROADWAYS & SHOULDERS

PIPE BEDDING AND TRENCH BACKFILL STANDARD SWM SPECIFICATIONS

NOTES:

1. BACKFILL MATERIAL SHALL BE PLACED IN 12" (MAX) LIFTS. THOROUGHLY COMPACT EACH LIFT WITH MECHANICAL TAMPERS OR BY OTHER ACCEPTABLE METHODS FOR THE FULL TRENCH WIDTH. COMPACT TO NOT LESS THAN 100% OF THE DETERMINED DRY WEIGHT DENSITY OF THE BACKFILL MATERIAL.

Hanover

Engineering Associates Inc

20 C Snyder Lane Ephrata, PA 17522-9101
717.721.7444 Fax 717.721.7447

DRAWN BY:
DES

CHECKED BY:
JAP/RJL

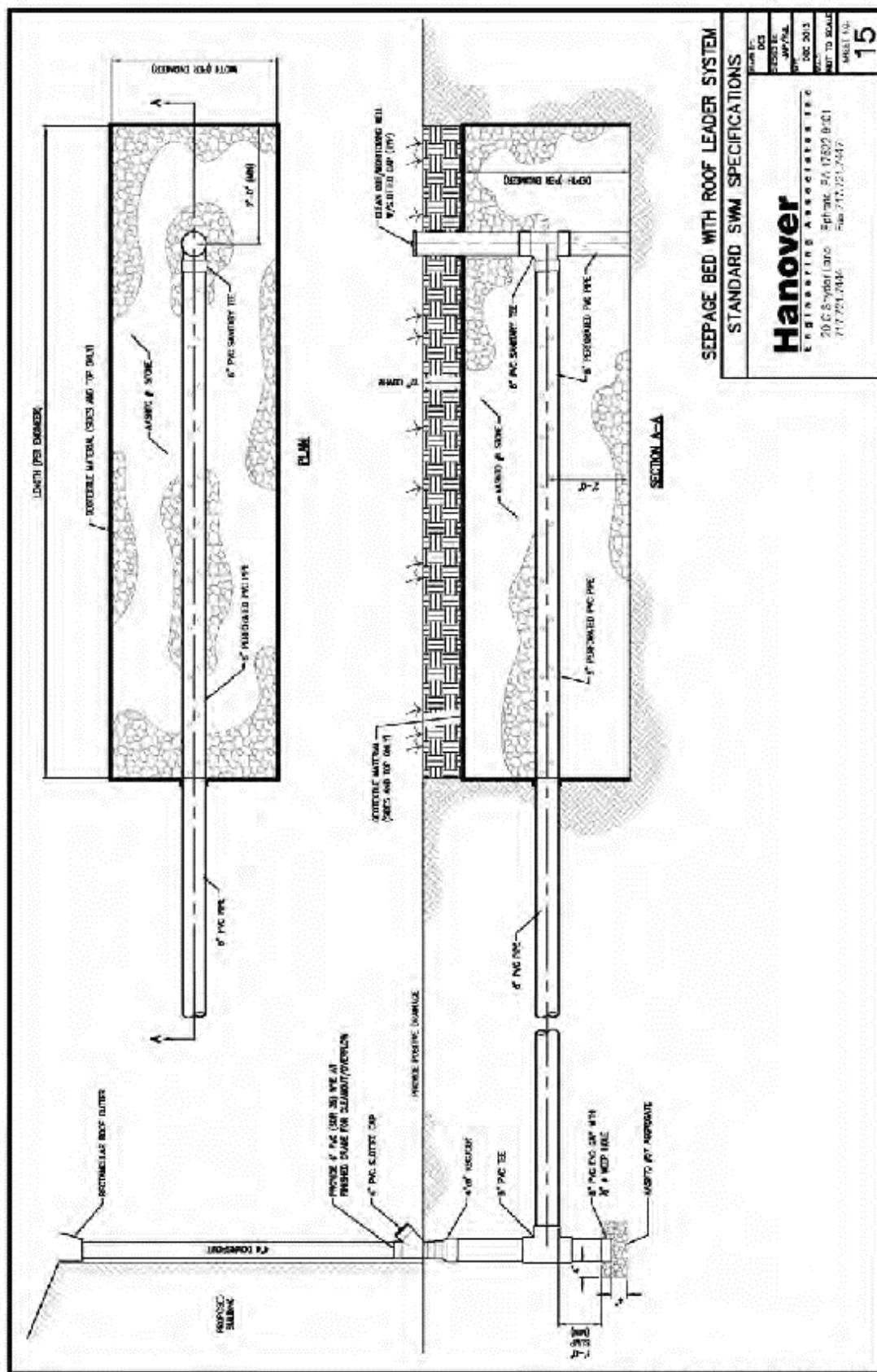
DATE:
DEC 2013

SCALE:
NOT TO SCALE

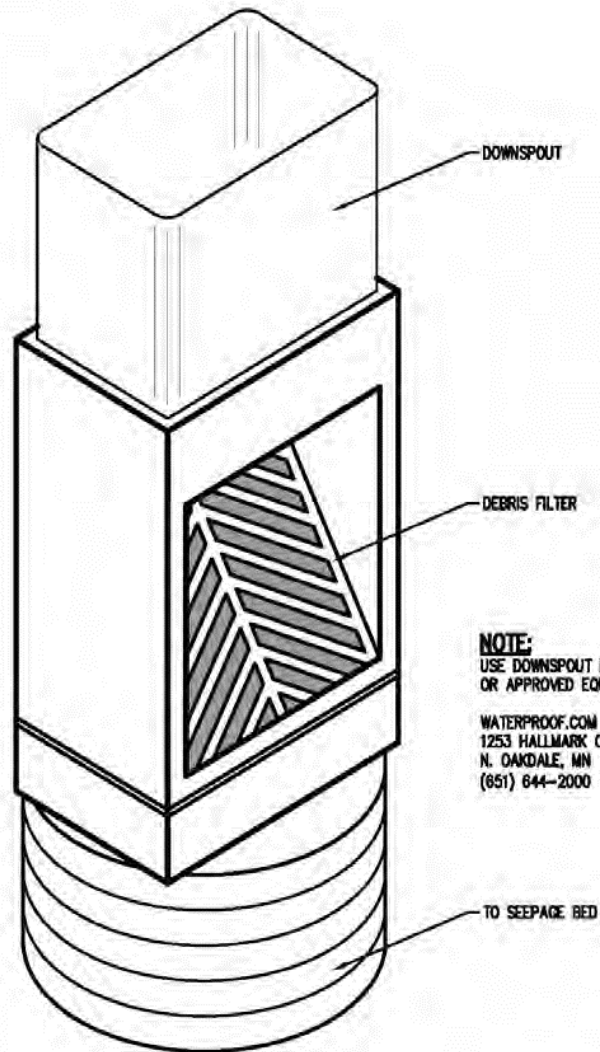
SHEET NO.

14

Y:\Library\Detaila\Storm Water Management\SWM DETAILS.dwg Dec 04,2013 3:53pm



STORMWATER MANAGEMENT



NOTE:
USE DOWNSPOUT DEBRIS FILTER
OR APPROVED EQUAL.

WATERPROOF.COM LLC
1253 HALLMARK CT.
N. OAKDALE, MN 55128
(651) 644-2000

DOWNSPOUT DEBRIS FILTER STANDARD SWM SPECIFICATIONS

Hanover

Engineering Associates Inc

20 C Snyder Lane Ephrata, PA 17522-9101
717.721.7444 Fax 717.721.7447

DRAWN BY:
RLS

CHECKED BY:
JAP/RJL

DATE:
DEC 2013

SCALE:
NOT TO SCALE

SHEET NO.

16

Y:\Library\Details\Storm Water Management\ SWM DETAILS.dwg Dec 04, 2013 - 3:53pm