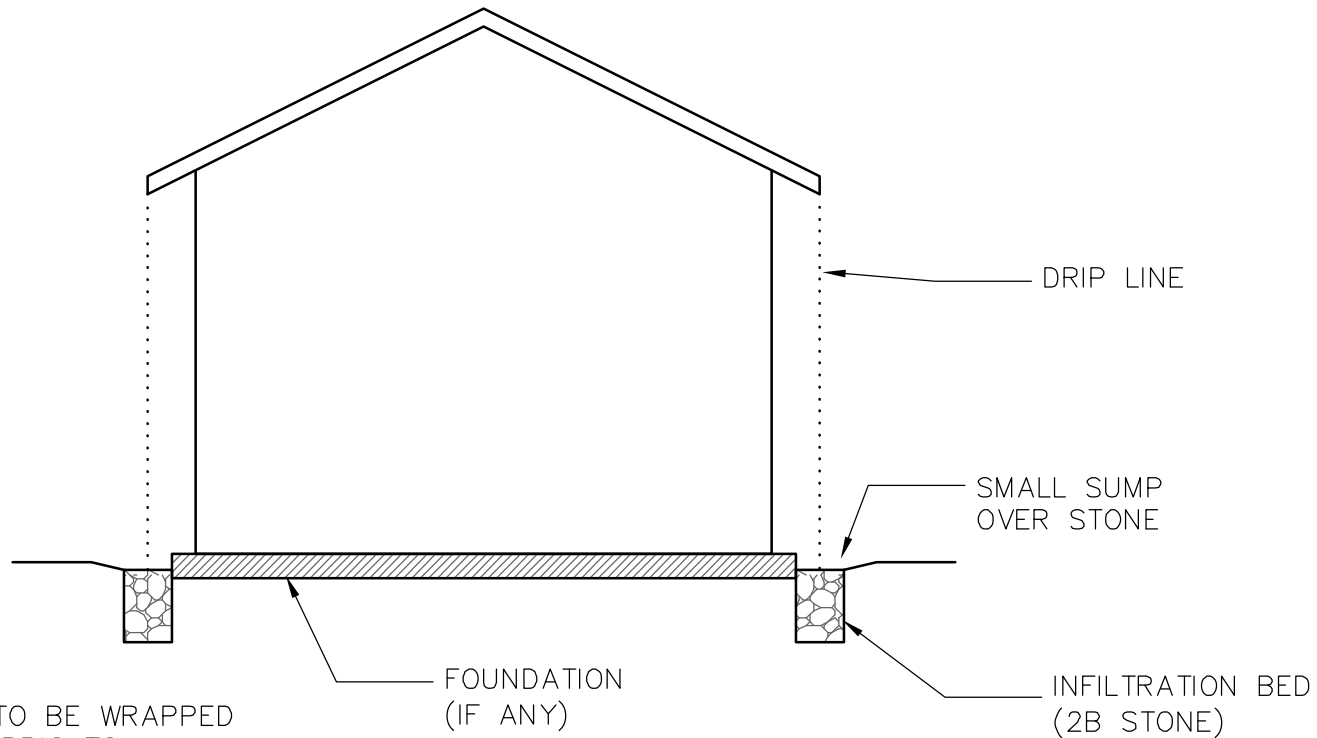




West Manchester Township
 380 East Berlin Road
 York, PA 17408
 (717) 792-3505

GENERAL CONSTRUCTION DETAIL
 FOR
 INFILTRATION BEDS FOR SHEDS
 AND SMALL BUILDINGS



* INFILTRATION BED TO BE WRAPPED IN SOME TYPE OF FABRIC TO PREVENT SOIL INTRUSION INTO STONE

* SUMP AREA SHOULD BE LOWER THAN BOTTOM OF SHED TO GUARD AGAINST WATER CONTACT WITH WOOD SURFACES OF SHED

* IF OWNER DESIRES THE STONE TO BE EXPOSED, BARRIER FABRIC SHOULD STILL BE PLACED ON THE TOP BELOW A 1"-2" LAYER OF STONE

* LANDSCAPE FABRIC IS AN EXAMPLE OF AN ACCEPTABLE BARRIER FABRIC

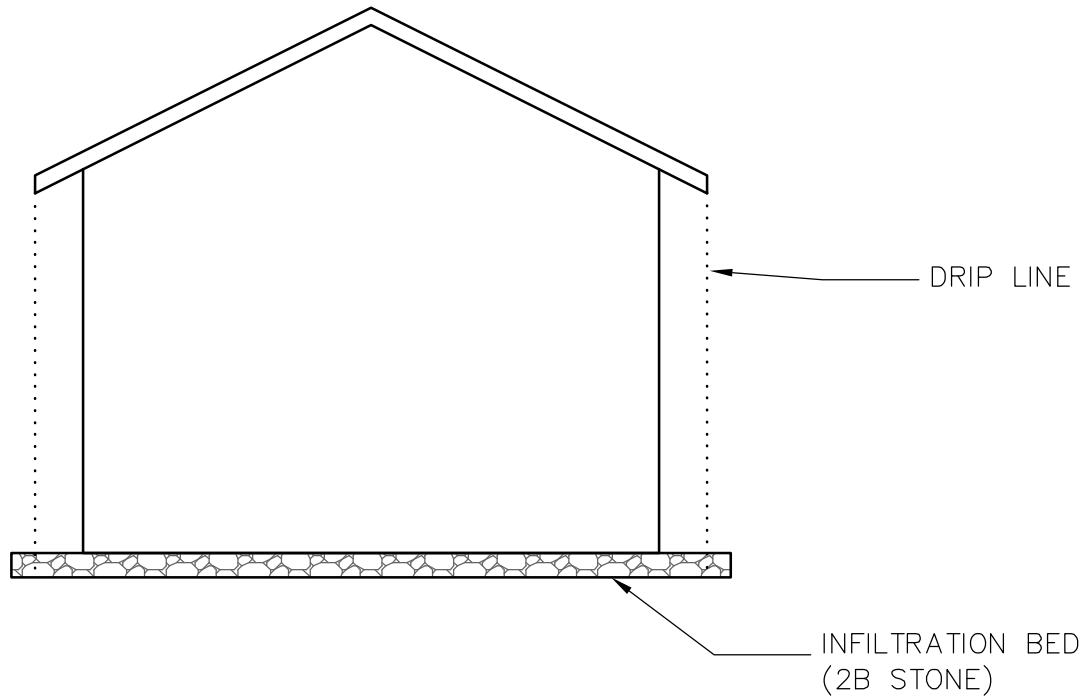
	INFILTRATION BED		
	WIDTH	DEPTH	LENGTH
SHEDS 8'x12' OR SMALLER	1'	1.5'	DRIP LINE
SHEDS WIDER THAN 8' BUT LESS THAN OR EQUAL TO 14'	1.5'	1.5'	DRIP LINE PLUS 2' ON BOTH SIDES
SHEDS WIDER THAN 14' BUT LESS THAN OR EQUAL TO 20'	2'	1.5'	DRIP LINE PLUS 2' ON BOTH SIDES
SHEDS OR OUTBUILDINGS WIDER THAN 20'	CONSULT WITH TOWNSHIP STAFF		

DATE 5/3/2012

FILE NAME WMT DETAILS

SCALE NTS

SHEET NO.



* INFILTRATION BED TO BE WRAPPED IN SOME TYPE OF FABRIC TO PREVENT SOIL INTRUSION INTO STONE

* IF OWNER DESIRES THE STONE TO BE EXPOSED, BARRIER FABRIC SHOULD STILL BE PLACED ON THE TOP BELOW A 1"-2" LAYER OF STONE

* LANDSCAPE FABRIC IS AN EXAMPLE OF AN ACCEPTABLE BARRIER FABRIC

	INFILTRATION BED		
	WIDTH	DEPTH	LENGTH
SHEDS 8'x12' OR SMALLER	WIDTH OF SHED +2'	4"	DRIP LINE
SHEDS WIDER THAN 8' BUT LESS THAN OR EQUAL TO 14'	WIDTH OF SHED +2'	4"	DRIP LINE
SHEDS WIDER THAN 14' BUT LESS THAN OR EQUAL TO 20'	WIDTH OF SHED +3'	4"	DRIP LINE PLUS 1' ON BOTH SIDES
SHEDS OR OUTBUILDINGS WIDER THAN 20'	WIDTH OF SHED +3'	5"	DRIP LINE



West Manchester Township
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GENERAL CONSTRUCTION DETAIL
FOR
INFILTRATION BEDS FOR SHEDS
AND SMALL BUILDINGS -
ALTERNATE

DATE 5/3/2012

FILE NAME WMT DETAILS

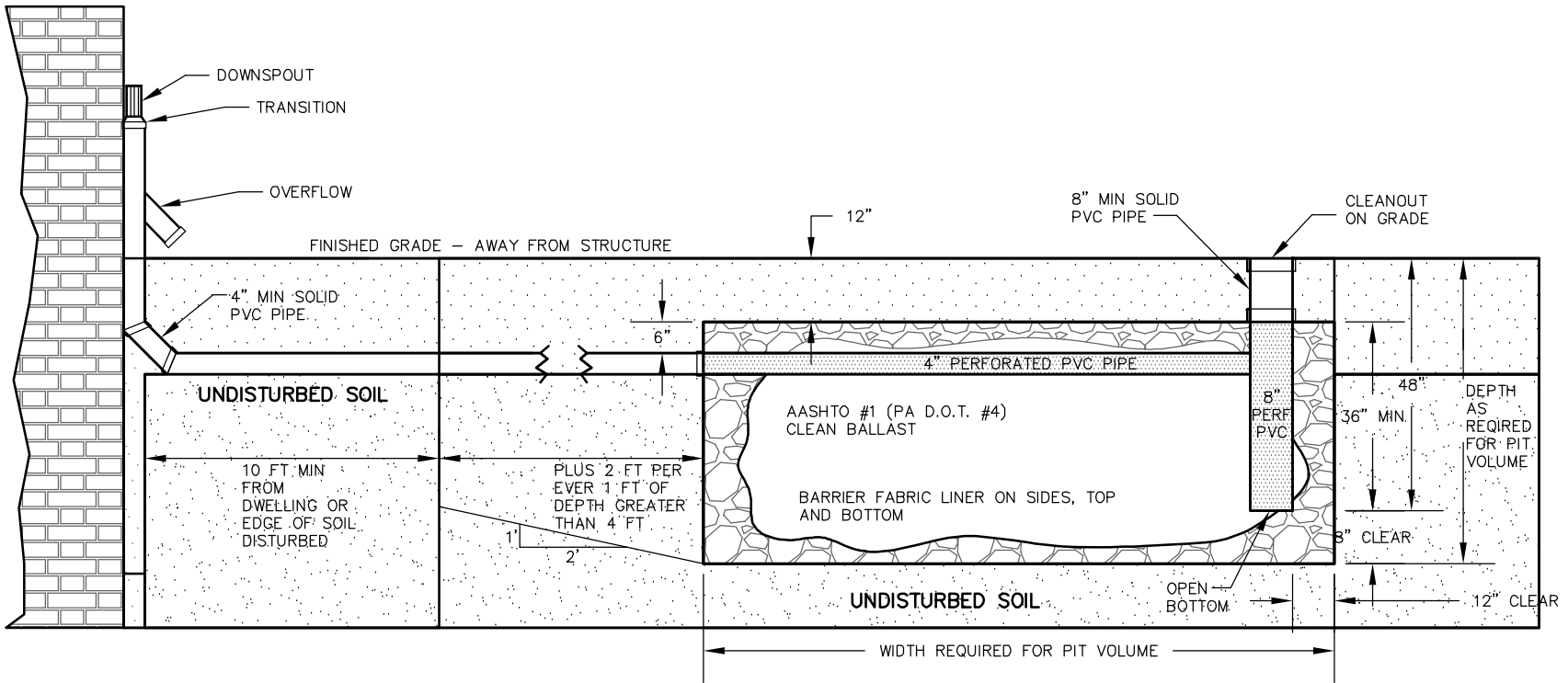
SCALE NTS

SHEET NO.



West Manchester Township
 380 East Berlin Road
 York, PA 17408
 (717) 792-3505

GENERAL CONSTRUCTION DETAIL
 FOR
 UNDERGROUND SEEPAGE PITS



IMPERVIOUS AREA SQUARE FEET		200	250	300	350	400	450	500	550	600	650	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
VOLUME OF SEEPAGE PIT - CUBIC FEET		85	105	125	145	170	190	210	230	250	270	285	345	390	420	450	495	525	570	615	660	690	735	780

IMPERVIOUS AREA SQUARE FEET	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	4000	4500	5000	5500	6000
VOLUME OF SEEPAGE PIT - CUBIC FEET	825	870	915	960	990	1020	1065	1110	1140	1185	1230	1275	1320	1350	1395	1440	1470	1545	1575	1680	1920	2100	2340	2550

NOTE: ALL ROOF DRAINS SHALL BE CONNECTED TO SEEPAGE PITS.
 NOTE: DRIVEWAYS SHALL BE PITCHED INTO A YARD INLET DIRECTED TO SEEPAGE PIT
 NOTE: SEEPAGE PIT VOLUMES ASSUME A 40% VOID RATIO IN STONE

TYPICAL ROOF AND DRIVEWAY DRAIN SEEPAGE PIT

NOT TO SCALE

DATE 5/3/2012

FILE NAME WMT DETAILS

SCALE NTS

SHEET NO.



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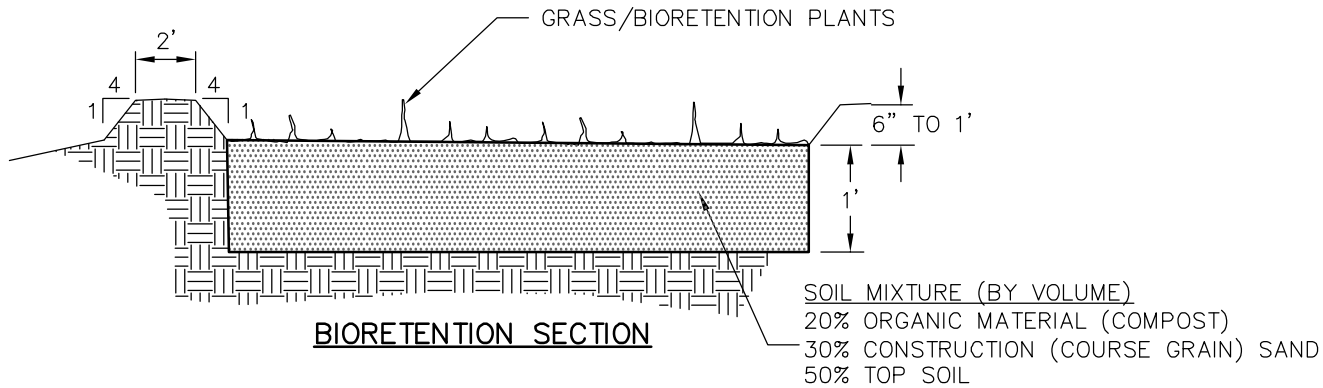
GENERAL CONSTRUCTION DETAIL
 FOR
 BIORETENTION AREAS

DATE 5/3/2012

FILE NAME WMT DETAILS

SCALE NTS

SHEET NO.



1 LB./1000 SF RIVERBANK WILD-RYE GRASS (ELYMUS RIPARIUS)
 OR 1 LB./1000 SF VIRGINIA WILD-RYE GRASS (ELYMUS VIRGINICUS)
 MIX WITH NORMAL LAWN SEEDING MIXTURES

MAY ALSO BE PLANTED WITH OTHER MOISTURE TOLERANT PLANTS IF
 DESIRED TO BE IN A LANDSCAPED AREA

NOTES:

1. SCARIFY EXISTING SOIL PRIOR TO PLACEMENT OF SOIL MIXTURE
2. PLACE SOIL MIXTURE DIRECTLY ONTO EXISTING GRADE
3. 1 SQUARE FOOT OF BIORETENTION AREA EQUALS APPROXIMATELY 0.75 CUBIC FEET OF STORAGE

NEW IMPERVIOUS AREA (sf)	BIORETENTION AREA (sf)
50	12
100	25
200	45
300	70
400	90
500	115
600	140
700	160
800	180
900	205
1000	230

BIORETENTION AREAS

NOT TO SCALE