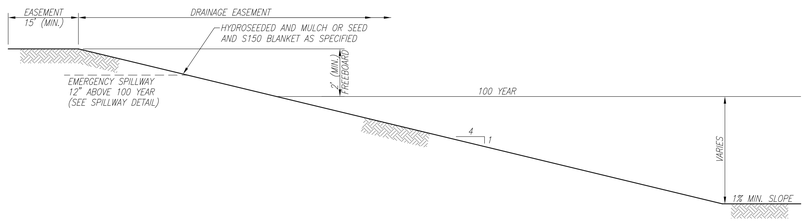
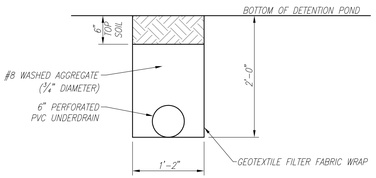


DETENTION POND CROSS SECTION

SCALE: NONE



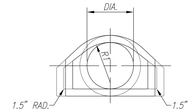
NOTE:

1. UNDERDRAINS ARE TO BE PLACED IN THE FLOWLINE OF ALL DETENTION PONDS AND HAVE A LATERAL SPACING NO GREATER THAN 40 FEET HORIZONTAL.

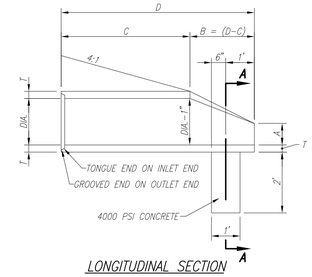
UNDERDRAIN DETAIL

SCALE: NONE

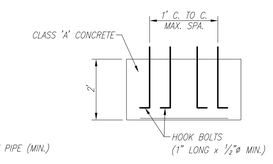
TABLE OF DIMENSIONS									
DIA.	T (min.)	A (± 1")	C (± 1")	D (± 1")	E (± 1")	K	R1	R2	APPROX. WEIGHT, LBS.
12"	2"	5"	4'-3"	6'-2"	2'-0"	1.3	10 1/8"	9"	800
15"	2 1/4"	7"	4'-0"	6'-3"	2'-6"	1.5	12 1/2"	11"	1100
18"	2 1/2"	11"	4'-1"	6'-2"	3'-0"	1.8	15 1/2"	12"	1300
21"	2 3/4"	11"	3'-6"	6'-3"	3'-6"	2.1	16 1/8"	13"	1500
24"	3"	1'-0"	2'-8"	6'-3"	4'-0"	2.3	16 3/16"	14"	1800
27"	3 1/4"	1'-1"	2'-5"	6'-3"	4'-6"	2.6	18 9/16"	14 1/2"	2100
30"	3 1/2"	1'-2"	1'-10"	6'-3"	5'-0"	2.9	18 1/2"	15"	2400
33"	3 3/4"	1'-3"	3'-6"	8'-3"	5'-6"	3.1	23 3/4"	17 1/2"	4100
36"	4"	1'-5"	3'-1"	8'-3"	6'-0"	3.4	24 3/16"	20"	4200



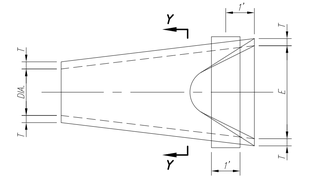
SECTION Y–Y



LONGITUDINAL SECTION



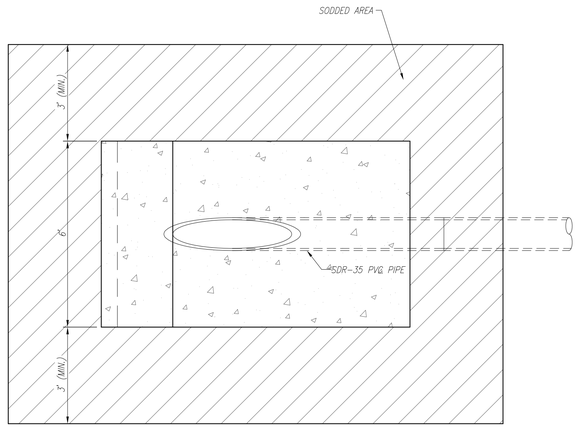
SECTION A–A

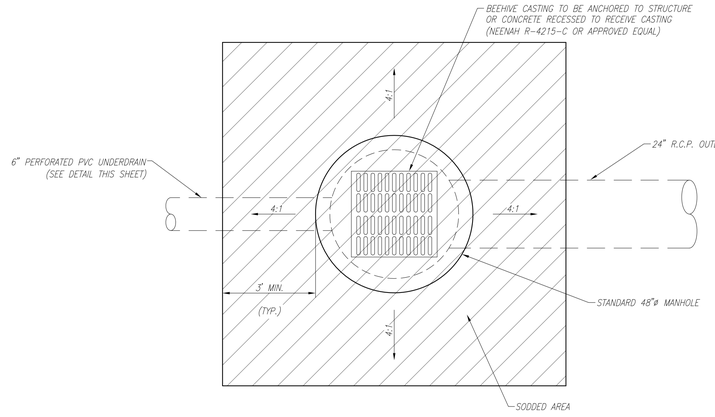


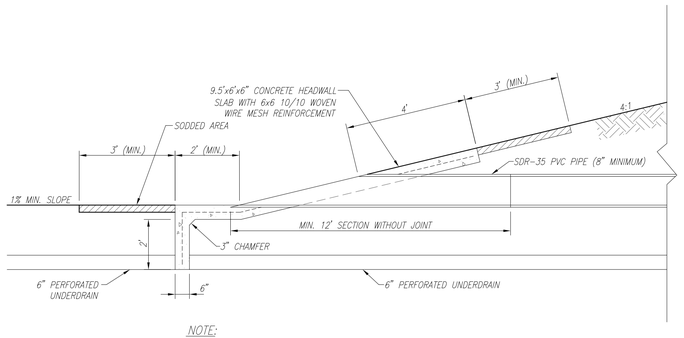
PLAN VIEW

PRECAST CONCRETE END SECTION

SCALE: NONE





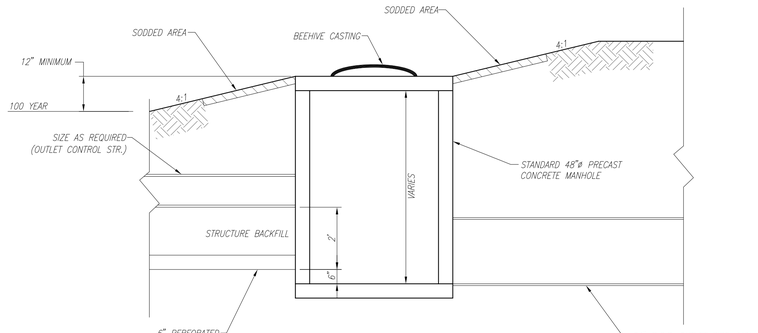


NOTE:

1. PROVIDE RESTRAINED ORIFICE OR OTHER MEANS OF FLOW CONTROL @ OUTLET STRUCTURE.

DETAIL FOR OUTLET CONTROL STRUCTURE SMALLER THAN 12" (DETENTION POND)

SCALE: NONE



NOTE:

1. NON-PIPED EMERGENCY SPILLWAYS TO BE PROPERLY PROTECTED AGAINST EROSION W/ RIP-RAP OR CONCRETE SURFACES.

EMERGENCY SPILLWAY DETAIL (DETENTION POND)

SCALE: NONE

JUNE 2010

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CONSTRUCTION STANDARDS

DETENTION POND DETAILS AND NOTES

TOWN OF CICERO, INDIANA

P.O. BOX 391
CICERO, IN 46034

REVISIONS

Rev. No.	Description	Date

CERTIFIED BY:

Scale: AS NOTED

Sheet: 14 of 17

Date: 8/11/09

File Name=P:\LOD2\08-904-10 Cicero - Construction Standards\DWG\DETENTION POND DETAILS AND NOTES.dwg Plot Date=5/11/2010 1:32:08 PM Plotted By=stephens, george