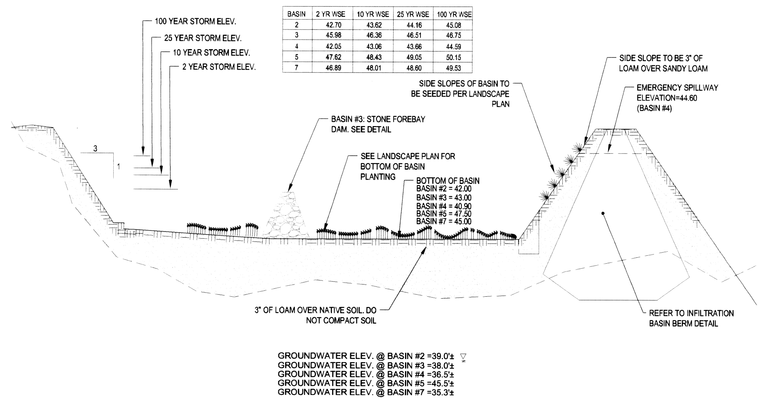
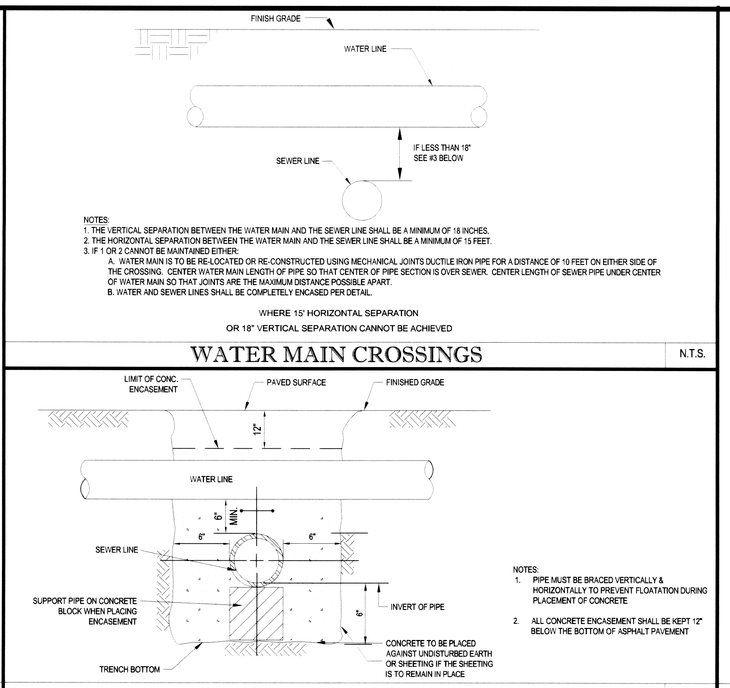


BASIN	2 YR WSE	10 YR WSE	25 YR WSE	100 YR WSE
2	42.70	43.62	44.16	45.08
3	43.98	46.36	46.51	46.75
4	42.55	43.06	43.66	44.59
5	47.62	48.43	49.05	50.15
7	46.89	48.01	48.60	49.53

GROUNDWATER ELEV. @ BASIN #2 =39.0'±
GROUNDWATER ELEV. @ BASIN #3 =38.0'±
GROUNDWATER ELEV. @ BASIN #4 =36.5'±
GROUNDWATER ELEV. @ BASIN #5 =45.5'±
GROUNDWATER ELEV. @ BASIN #7 =35.3'±

INFILTRATION BASIN DETAIL

N.T.S.



NOTES:
1. THE VERTICAL SEPARATION BETWEEN THE WATER MAIN AND THE SEWER LINE SHALL BE A MINIMUM OF 18 INCHES.
2. THE HORIZONTAL SEPARATION BETWEEN THE WATER MAIN AND THE SEWER LINE SHALL BE A MINIMUM OF 10 FEET.
3. IF 1 OR 2 CANNOT BE MAINTAINED EITHER:
   A. WATER MAIN IS TO BE RE-LOCATED OR RE-CONSTRUCTED USING MECHANICAL JOINTS DUCTILE IRON PIPE FOR A DISTANCE OF 10 FEET ON EITHER SIDE OF THE CROSSING. CENTER WATER MAIN LENGTH OF PIPE SO THAT CENTER OF PIPE SECTION IS OVER SEWER. CENTER LENGTH OF SEWER PIPE UNDER CENTER OF WATER MAIN SO THAT JOINTS ARE THE MAXIMUM DISTANCE POSSIBLE APART.
   B. WATER AND SEWER LINES SHALL BE COMPLETELY ENCASED PER DETAIL.

WHERE 15' HORIZONTAL SEPARATION
OR 18" VERTICAL SEPARATION CANNOT BE ACHIEVED

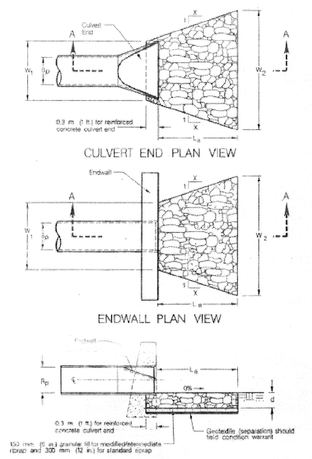
WATER MAIN CROSSINGS

N.T.S.

NOTES:
1. PIPE MUST BE BRACED VERTICALLY & HORIZONTALLY TO PREVENT FLOATATION DURING PLACEMENT OF CONCRETE
2. ALL CONCRETE ENCASEMENT SHALL BE KEPT 12" BELOW THE BOTTOM OF ASPHALT PAVEMENT

CONCRETE ENCASEMENT DETAIL

N.T.S.



LEGEND
S_p = (Max inside pipe span (non-circular sections) Inside pipe diameter (circular sections))
R_p = (Max inside pipe rise (non-circular sections) Inside pipe diameter (circular sections))
L_a = Length of riprap apron measured from the end of culvert end section or face of endwall
d = 300 mm (12 in.) Modified Riprap
450 mm (18 in.) Modified Riprap
600 mm (24 in.) Standard Riprap

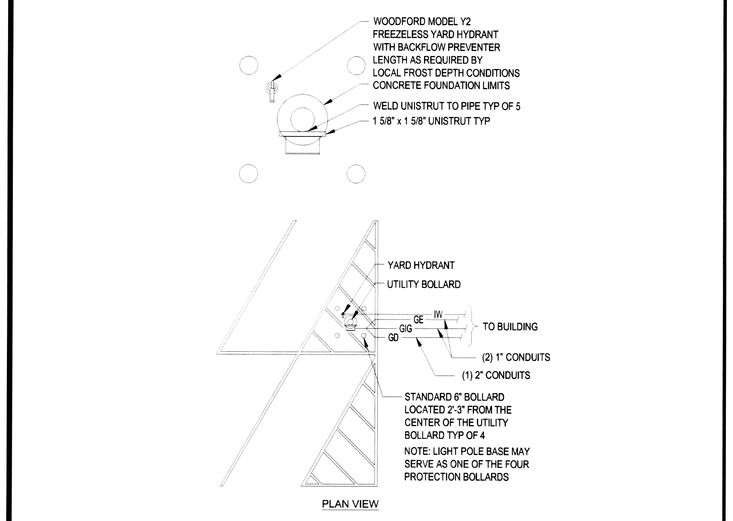
	d	W1	W2
Type A Riprap Apron	1	R_p	$3R_p + 0.4\ L_a$
Type B Riprap Apron	1	S_p	$3S_p + 0.4\ L_a$

FES	LA	W1	W2
FES 1	12	6	11
FES 2	24	6	16
FES 3	31	7.5	17
FES 4	10	3	7
FES 5	10	3	7

Figure 11-13 Type A and B Riprap Apron
(to be used where there is no defined channel downstream of the outlet)

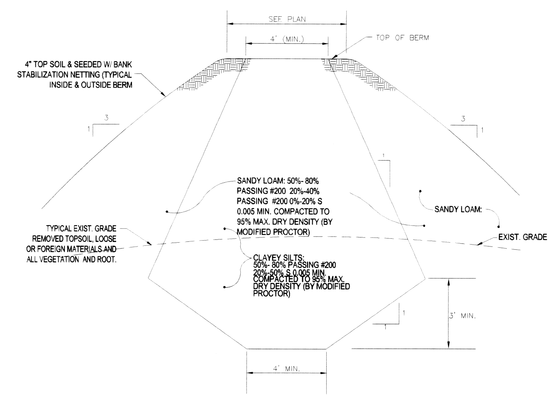
RIP-RAP APRON

N.T.S.



REMOTE GARDEN CENTER UTILITY BOLLARD W/ ELECTRICAL AND DATA CONNECTION

N.T.S.



INFILTRATION BASIN BERM DETAIL

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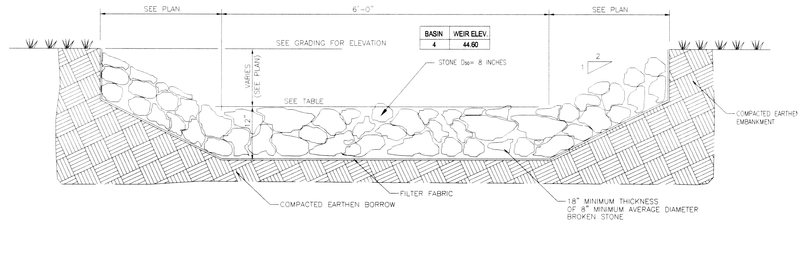
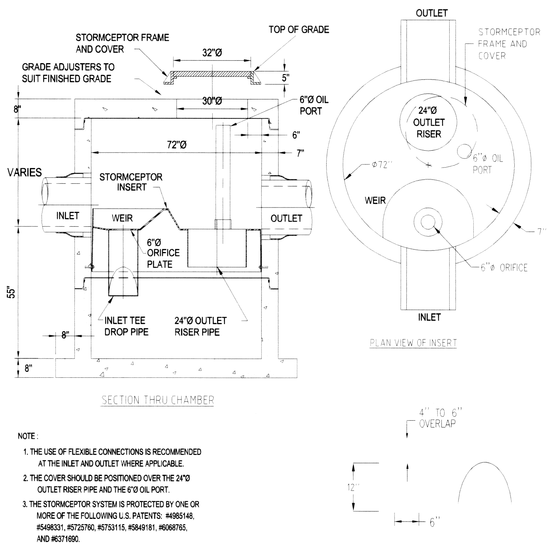


EMERGENCY RIP RAP OVERFLOW DETAIL

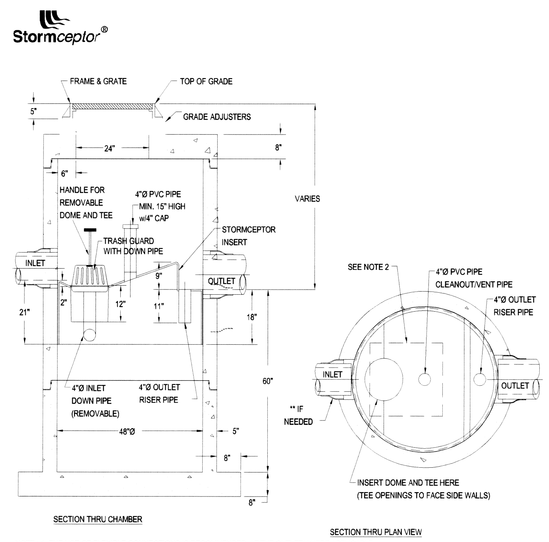
N.T.S.



NOTE:
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE 24"Ø OUTLET RISER PIPE AND THE 6"Ø OIL PORT.
3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, AND #6371690.
4. CONTRACTOR TO PROVIDE CRANE TO SET THE UNIT (HEAVIEST SECTION WEIGHS 5.9 TONS).

STORMCEPTOR MODEL STC 900

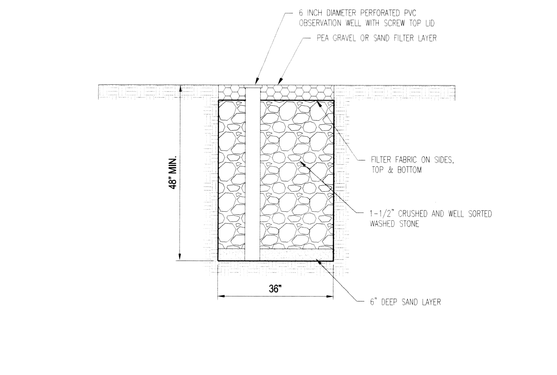
N.T.S.



NOTE : 1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE 4"Ø CLEANOUT/VENT PIPE AND THE 4"Ø INLET DOWN PIPE.
3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OFF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, AND #6371690.
4. CONTRACTOR TO PROVIDE CRANE TO SET UNIT (HEAVIEST SECTION WEIGHS 5000 LB)

STORMCEPTOR MODEL 450i

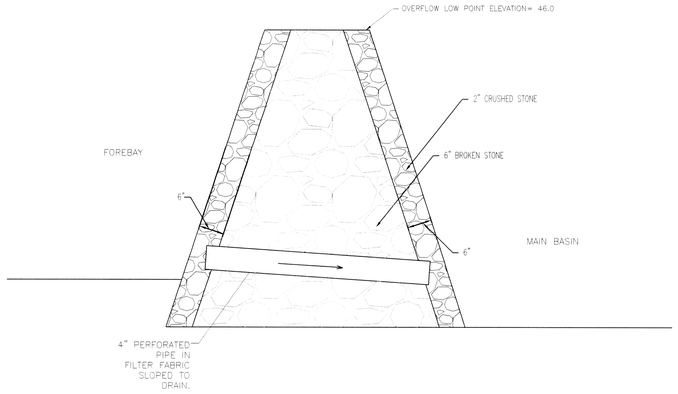
N.T.S.



AT INFILTRATION BASINS 2, 4 & 5

INFILTRATION TRENCH

N.T.S.



STONE FOREBAY DAM

N.T.S.

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REVISIONS

REV.	DATE	COMMENT	BY
1	6/03/11	REVS PER TOWN PB FILING	KBS
2	9/6/11	BUILDING LOCATION	AWP
3	11/14/11	TOWN REVIEW COMMENTS	AWP
4	12/14/11	REVS PER TOWN/PEER REVIEW COMMENT	EGD
5	01/23/12	REVS PER CON. COMM. COMMENTS	JSE
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CHECKED BY:	MDS/JAK
DATE:	03/14/2011
SCALE:	AS SHOWN
CAD I.D.:	W050623SS5_DETS

PROJECT:
SITE DEVELOPMENT PLANS
FOR
Walmart
STORE # 2184-07
PROPOSED RETAIL DEVELOPMENT
LOTS 25, 29, 30, 33, 63, 199 & 218, MAP 7
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SHEET NUMBER:
D-4
OF 18

REV 5-01/23/2012

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