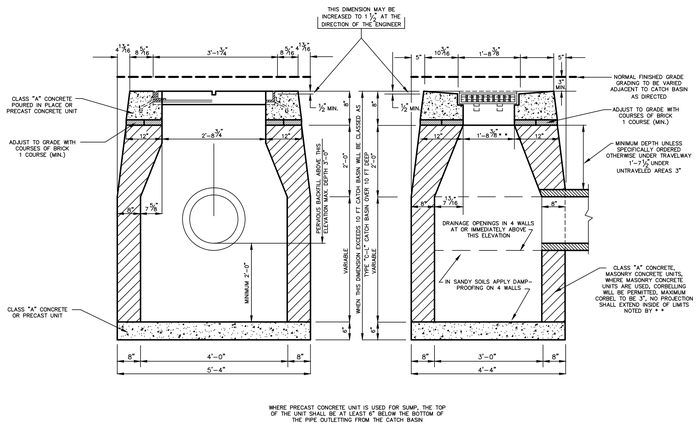
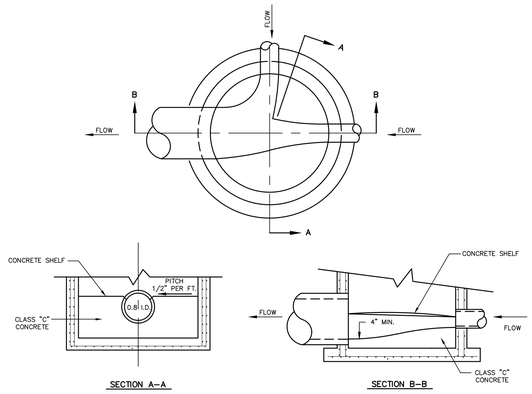


TYPE "C-L" CATCH BASIN

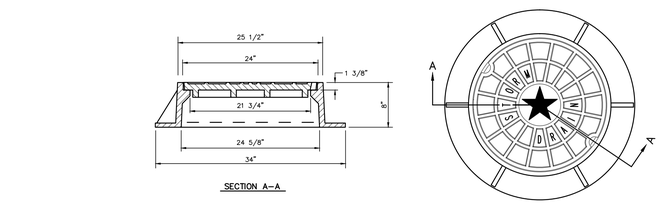
CATCH BASIN DETAIL

N.T.S.



CONCRETE SHELF DETAIL

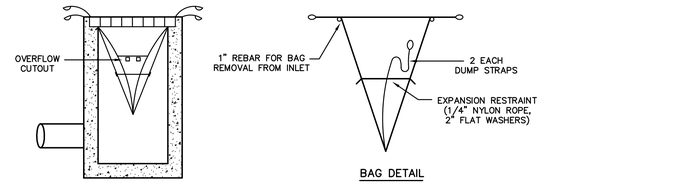
N.T.S.



MANHOLE FRAME AND COVER

N.T.S.

NOTE: MANHOLE FRAMES AND COVERS SHALL BE PATTERN #1007D AS MANUFACTURED BY THE "CAMPBELL FOUNDRY CO." OF NORTH HAVEN, CT OR APPROVED EQUAL



SILT SACK DETAIL

N.T.S.

BAG DETAIL

STANDARD RIP RAP – THIS MATERIAL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

NOT MORE THAN 15 PERCENT OF THE RIP RAP SHALL BE SCATTERED SPALLS AND STONES LESS THAN 6 INCHES IN SIZE.

NO STONE SHALL BE LARGER THAN 30 INCHES IN SIZE, AND AT LEAST 75 PERCENT OF THE MASS SHALL BE STONES AT LEAST 15 INCHES IN SIZE.

INTERMEDIATE RIP RAP – THIS MATERIAL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

STONE SIZE	PERCENT OF THE MASS
18" OR OVER	0
10" TO 18"	30–50
6" TO 10"	30–50
4" TO 6"	20–30
2" TO 4"	10–20
LESS THAN 2"	0–10

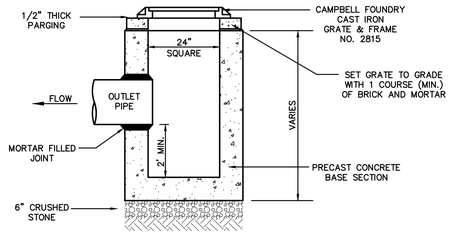
MODIFIED RIP RAP – THIS MATERIAL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

STONE SIZE	PERCENT OF THE MASS
10" OR OVER	0
6" TO 10"	20–50
4" TO 6"	30–60
2" TO 4"	30–40
1" TO 2"	10–20
LESS THAN 1"	0–10

SOURCE – U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT

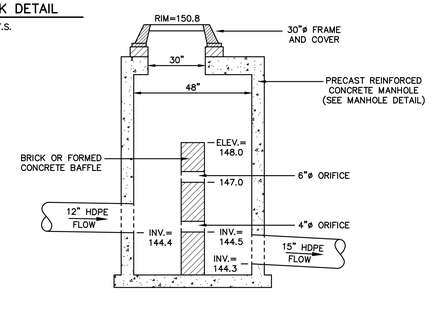
RIP RAP SPECIFICATIONS

N.T.S.



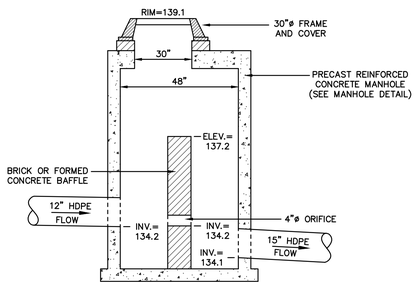
YARD DRAIN DETAIL

N.T.S.



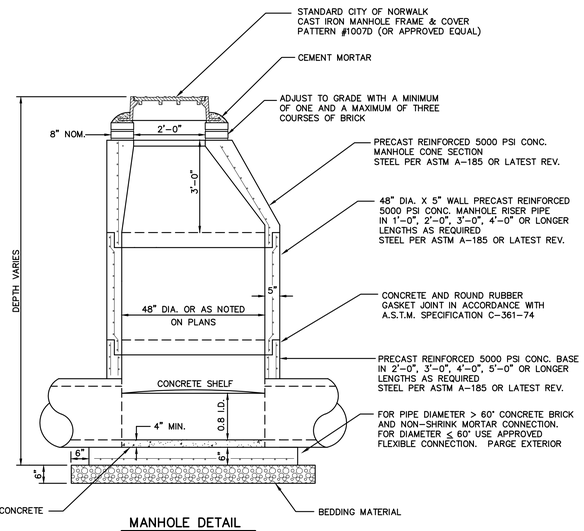
MH#2 OUTLET STRUCTURE DETAIL

N.T.S.



MH#3 OUTLET STRUCTURE DETAIL

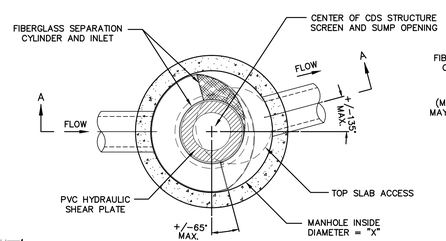
N.T.S.



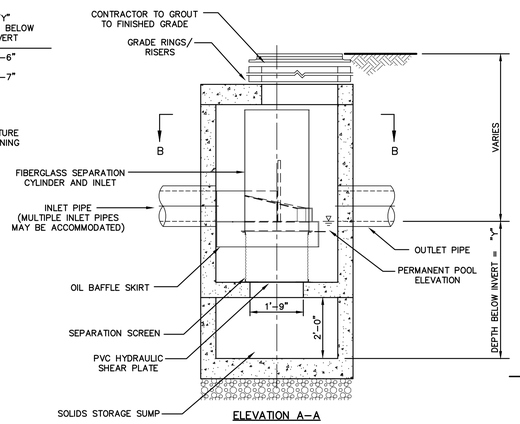
MANHOLE DETAIL

N.T.S.

MODEL #	"X" MANHOLE INSIDE DIMENSION	"Y" DEPTH BELOW INVERT
CDS 2015-4	48"	4'-6"
CDS 2025-5	60"	5'-7"



PLAN VIEW B–B



ELEVATION A–A

GENERAL NOTES:

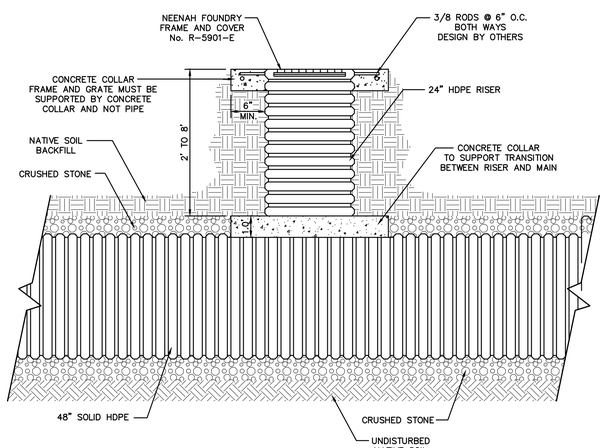
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH CONSTRUCTION PRODUCTS REPRESENTATIVE. www.contech-cpi.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATIONS. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES:

1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
3. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

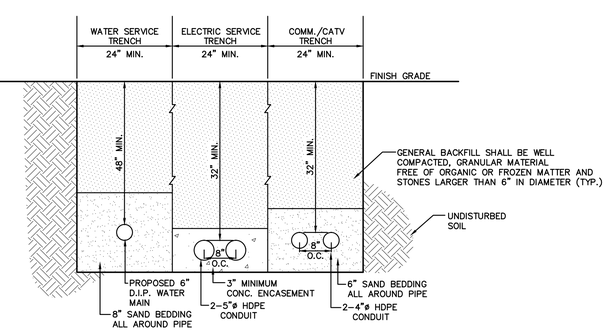
CONTECH INLINE CDS DETAIL

N.T.S.



48" SOLID HDPE DETENTION SYSTEM

N.T.S.



UTILITY TRENCH DETAIL

N.T.S.

HMTX World Headquarters

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15 Oakwood Avenue
Norwalk, CT 06850

McLennan Design, LLC
175 Parfitt Way SW, Suite N160
Bainbridge Island, WA 98101
t 206 219 3777

McChord Engineering Associates, Inc.
1 Grumman Hill Road
Wilton, CT 06897
t 203 834 0569

Professional Seals

No.	Issue Description	YYYY-MM-DD
1	ISSUED TO P&Z	2018-01-11
2	REVISED AND ISSUED TO P&Z	2018-01-25
3	REVISED AND ISSUED TO P&Z	2018-02-16
4	REVISED AND ISSUED TO P&Z	2018-03-07
5	REVISED AND ISSUED TO P&Z	2020-06-05

No.	Revision Description	YYYY-MM-DD

Drawn by DRS Reviewed by HWM

Project No. 16033

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Sheet Title:

CONSTRUCTION NOTES AND DETAILS

Original drawing is Arch D. Do not scale contents of this drawing.

Sheet Number:

C901

file: 2026c-1sub-dt1-2