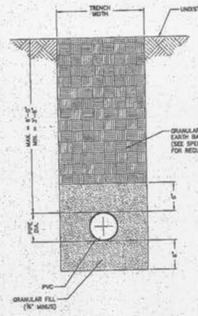
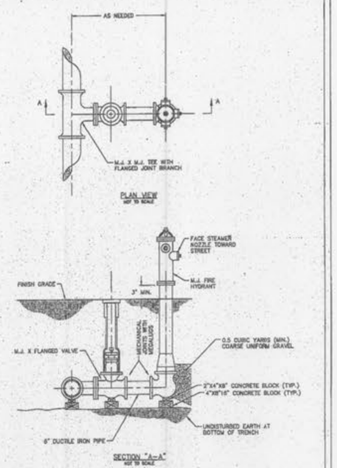


NOTES

SEE SPECIFICATIONS FOR ADDITIONAL DETAILS FOR BEDDING AND BACKFILL.

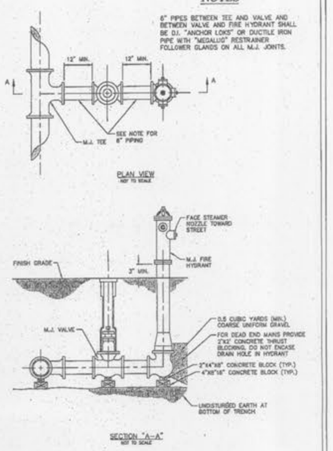
TYPICAL TRENCH SECTION FOR PVC PIPE
NOT TO SCALE
DETAIL "A"
PAGE 1 OF 2



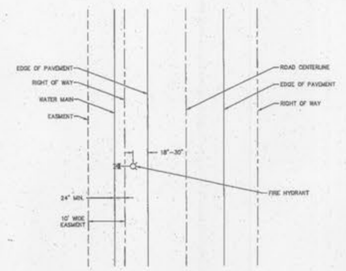
STANDARD FIRE HYDRANT DETAIL
DETAIL "B"
SHEET 1 OF 3

NOTES

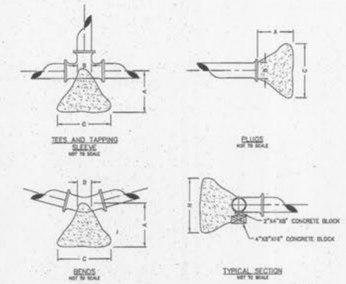
6" PIPES BETWEEN TEE AND VALVE AND BETWEEN VALVE AND FIRE HYDRANT SHALL BE D.I. "ANCHOR LOKS" OR DUCTILE IRON PIPE WITH "MEGALUG" RESTRAINER FOLLOWER GLANDS ON ALL M.J. JOINTS.



OPTIONAL FIRE HYDRANT DETAIL
DETAIL "B"
SHEET 2 OF 3



LOCATION FIRE HYDRANT DETAIL
DETAIL "B"
SHEET 3 OF 3

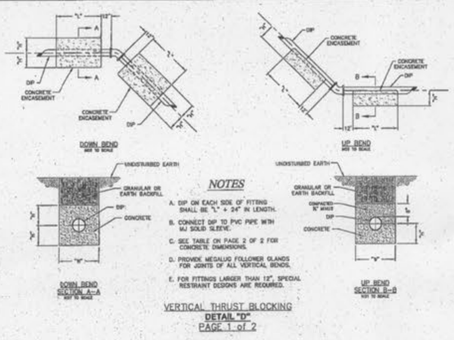


THRUST BLOCK DIMENSIONS - INCHES											
PIPE DIA.	ALL FTGS.		TEE PLUG TAPPING		90 DEGREE BEND		45 DEGREE BEND		22-1/2 BEND		11-1/4 BEND	
	A	B	C	H	C	H	C	H	C	H	C	H
4	14	4	24	12	26	15	18	12	12	12	12	12
6	16	6	36	18	36	24	30	18	24	12	12	12
8	20	8	38	30	42	38	38	24	24	18	18	12
10	20	10	48	36	66	38	38	36	28	24	18	18
12	24	12	68	36	82	42	52	36	40	24	28	18

NOTE

FOR FITTINGS LARGER THAN 12", SPECIAL RESTRAINT DESIGNS ARE REQUIRED.

HORIZONTAL THRUST BLOCKING
DETAIL "C"



NOTES

A. DIP ON EACH SIDE OF FITTING SHALL BE "L" + 24" IN LENGTH.

B. CONNECT DIP TO PVC PIPE WITH MJ SOLID SLEEVE.

C. SEE TABLE ON PAGE 2 OF 2 FOR CONCRETE DIMENSIONS.

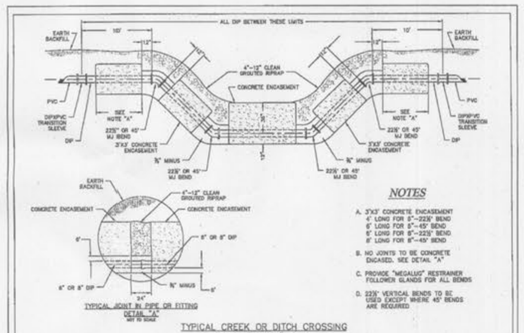
D. PROVIDE MEGALUG FOLLOWER GLANDS FOR JOINTS OF ALL VERTICAL BENDS.

E. FOR FITTINGS LARGER THAN 12", SPECIAL RESTRAINT DESIGNS ARE REQUIRED.

VERTICAL THRUST BLOCKING
DETAIL "D"
PAGE 1 of 2

PIPE SIZE	DEGREE BEND	DOWN BENDS			UP BENDS		
		W	H	L	W	H	L
4"	11 1/4°	18	12	18	12	12	12
	22 1/2°	18	18	24	12	12	12
	45°	18	18	30	12	12	18
6"	11 1/4°	24	18	18	12	12	12
	22 1/2°	24	18	24	12	12	12
	45°	24	18	48	12	12	18
8"	11 1/4°	24	18	24	12	12	18
	22 1/2°	24	18	42	12	12	24
	45°	24	18	48	18	12	24
10"	11 1/4°	30	24	24	18	18	18
	22 1/2°	30	24	42	18	18	24
	45°	30	24	72	18	18	36
12"	11 1/4°	30	24	30	18	18	18
	22 1/2°	30	24	54	18	18	30
	45°	30	36	72	24	18	36

DIMENSIONS FOR VERTICAL BENDS (IN INCHES)
DETAIL "D"
PAGE 2 of 2



NOTES

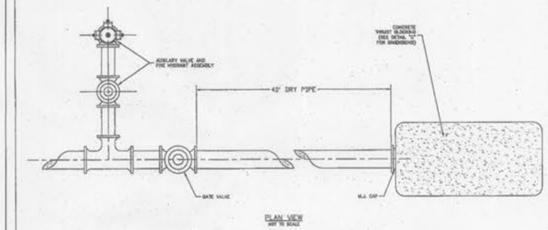
A. 3'X3' CONCRETE ENCASEMENT
4' LONG FOR 8"-22½° BEND
6' LONG FOR 8"-45° BEND
8' LONG FOR 8"-22½° BEND
8' LONG FOR 8"-45° BEND

B. NO JOINTS TO BE CONCRETE ENCASED. SEE DETAIL "A"

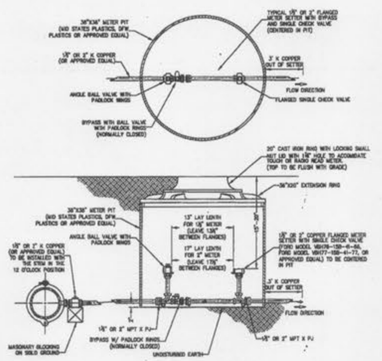
C. PROVIDE "MEGALUG" RESTRAINER FOLLOWER GLANDS FOR ALL BENDS

D. 22½° VERTICAL BENDS TO BE USED EXCEPT WHERE 45° BENDS ARE REQUIRED

TYPICAL CREEK OR DITCH CROSSING FOR 6" OR 8" PIPE
NOT TO SCALE
DETAIL "F"



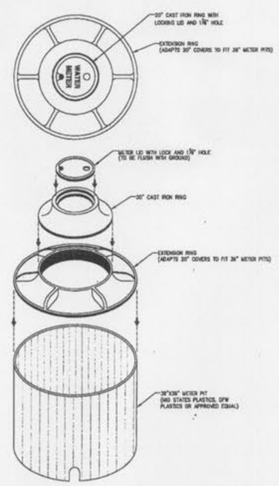
TYPICAL WATER MAIN TERMINATION DETAIL
DETAIL "K"



TYPICAL 1½" & 2" WATER SERVICE
DETAIL "E"
NOT TO SCALE

PUBLIC WATER SUPPLY DISTRICT #2
OF SAINT CHARLES COUNTY

APRIL 20, 2005 18



TYPICAL 1½" OR 2" WATER SERVICE METER PIT
DETAIL "F"
NOT TO SCALE

PUBLIC WATER SUPPLY DISTRICT #2
OF SAINT CHARLES COUNTY

APRIL 20, 2005 19

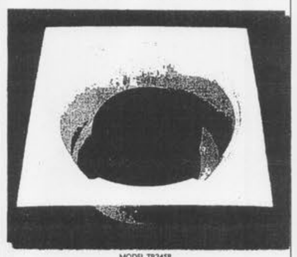
TRITON FILTER™

Product Specification

CATCH BASIN FILTER INSERT

THE TRITON FILTER

- Non-reactive High Density Polyethylene (HDPE) plastic construction, with U.V. inhibitors.
- Round, Square, Rectangular, Low Profile and Custom models.
- Dual Stage and Dual Capacity Filters are also available.
- Quick and easy servicing made available by replaceable Media-Paks.
- Filter Media-Pak available for the removal of hydrocarbons, metals, sand, silt, and litter.
- Disposable Filter Media-Pak is constructed from durable geotextile, polypropylene fabric.
- Media-Pak can be interchanged with Geo-Trap series as site conditions change.
- Media is nonhazardous, per EPA and OSHA standards.
- Patented design with high nominal flow and high overflow capacities.
- Easy to install in new and existing catch basins.
- Meets Best Available Technology (BAT) for use in Stormwater Best Management Practices (BMP).
- Maintenance contracts, including recycling of all spent absorbents are available.
- Servicing of filters on a regular basis is a requirement to meet most local and state BMP's.



MODEL TR245R

TRITON CATCH BASIN FILTER INSERT

REM has developed the TRITON Catch Basin Insert to help eliminate hydrocarbons and other contaminants such as metals, sand, silt and litter from stormwater runoff.

The TRITON is designed to be inserted below the grate of storm drain inlets.

Patent No. 6,217,757

REM - HELPING KEEP YOUR WATERWAYS CLEAN

The most recent National Water Quality Inventory reports that runoff from urban areas is the leading source of impairments to surveyed estuaries and the third largest source of water quality impairments to surveyed lakes. In addition, population and development trends indicate that by 2020 more than half of the Nation will live in coastal towns and cities. Runoff from these rapidly growing urban areas will continue to degrade coastal waters.

*Environmental Protection Agency's Office of Water EPA841-F-96-004G

Revel Environmental Manufacturing, Inc.
www.remfilters.com
888-526-4736

MADE IN USA

TAKEN FROM MANUFACTURERS WEB SITE.

ALL DETAILS SHOWN ON THIS SHEET WERE PROVIDED BY PWSD#2 UNLESS NOTED OTHERWISE

PROJECT TITLE:
O'FALLON SPORTS PARK

Bax Project #10-14056 Issue Date: 10/12/2010

ENGINEERING PLANNING SURVEYING
221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
FAX 928-1716

REVISIONS

10/21/10	OWNER REVISIONS
11/30/10	CITY COMMENTS
12/22/10	CITY/DCSD COM.
01/12/11	SEWER REVISIONS
01/31/11	CITY APPROVAL

Developer / Owner:
City of O'Fallon Parks Department
Cindy Springer - Director
100 North Main Street
O'Fallon, Missouri 63366
(636) 379-5570

REFERENCE DETAILS

P+Z No. 98-70.01
Approval Date: 10/07/10
City No. #