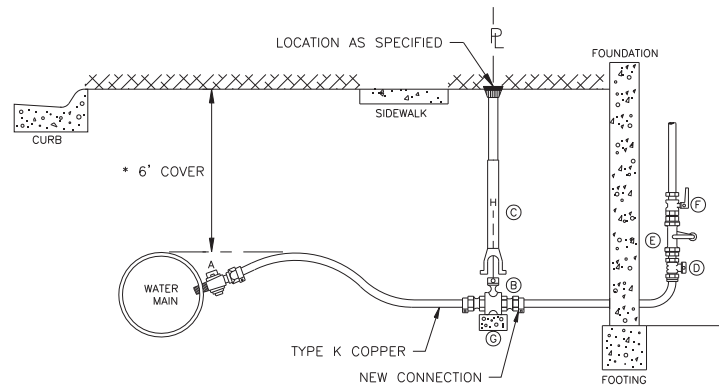


ITEM	DESCRIPTION	SIZE
A	CORPORATION STOP	3/4"-2"
B	CURB STOP	3/4"-2"
C	CURB BOX	EXTENDABLE
D	METER STOP	3/4"-2"
E	METER SPREAD	3/8"-2"
F	METER STOP HOUSE SIDE	3/8"-2"
G	BRICK	CEMENT
H	ROD	3/6"



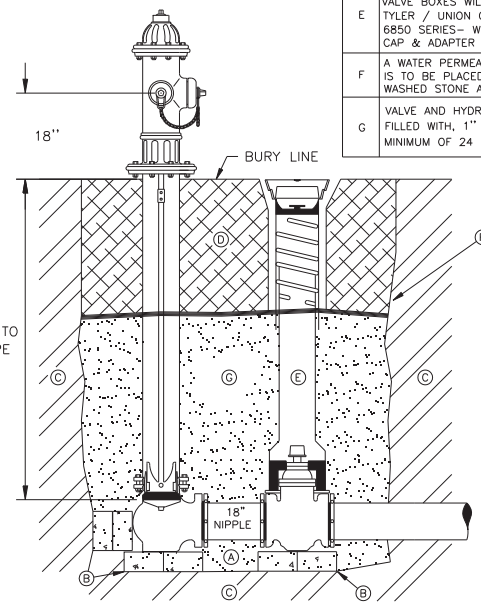
* UNLESS OTHERWISE INDICATED ON PLANS

CITY OF ROCKFORD
WATER SERVICE DETAIL
N.T.S.

DTL-WSR

ITEM	DESCRIPTION
A	APPROVED BEDDING MATERIAL
B	8" x 4" x 4" CONCRETE BLOCKING 3500 PSI STRENGTH TYPE
C	UNDISTURBED SOIL
D	APPROVED GRANULAR, TRENCH BACKFILL MATERIAL
E	VALVE BOXES WILL BE THE TYLER / UNION CAST IRON 6850 SERIES - WITH DEBRIS CAP & ADAPTER II INSTALLED
F	A WATER PERMEABLE GEOTEXTILE IS TO BE PLACED BETWEEN 1" WASHED STONE AND BACKFILL
G	VALVE AND HYDRANT TO BE BACK FILLED WITH 1" WASHED STONE MINIMUM OF 24 INCHES IN DEPTH

ALL HYDRANTS TO BE INSTALLED WITH LOCKING COLLARS

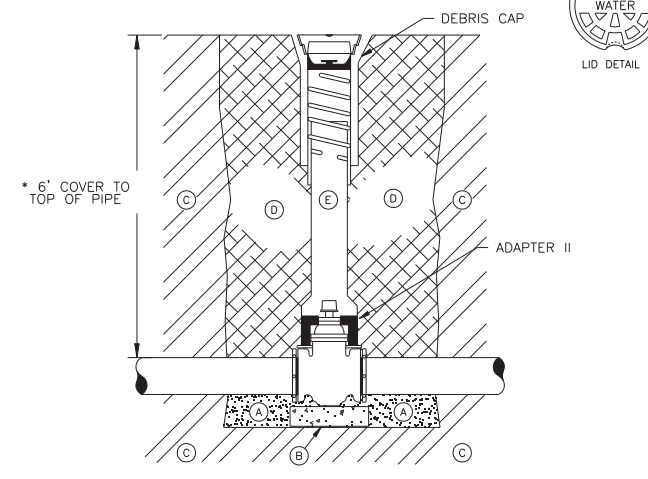


* UNLESS OTHERWISE INDICATED ON PLANS

CITY OF ROCKFORD
FIRE HYDRANT COMPLETE
N.T.S.

DTL-FH

ITEM	DESCRIPTION
A	APPROVED BEDDING MATERIAL
B	16"x8"x4" CONCRETE BLOCKING
C	UNDISTURBED SOIL
D	APPROVED GRANULAR, TRENCH BACKFILL MATERIAL
E	VALVE BOXES WILL BE THE TYLER/UNION CAST IRON 6850 SERIES - WITH DEBRIS CAP & ADAPTER II INSTALLED

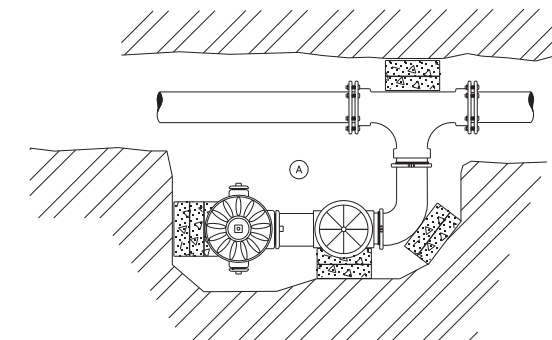


* UNLESS OTHERWISE INDICATED ON PLANS

CITY OF ROCKFORD
VALVE & VALVE BOX DETAIL
N.T.S.

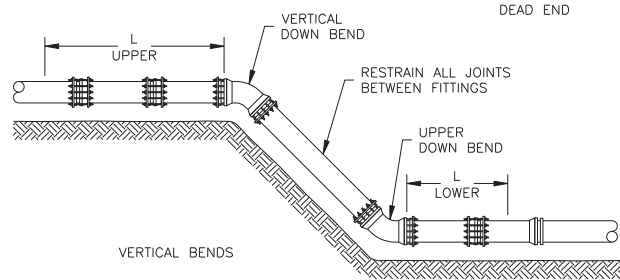
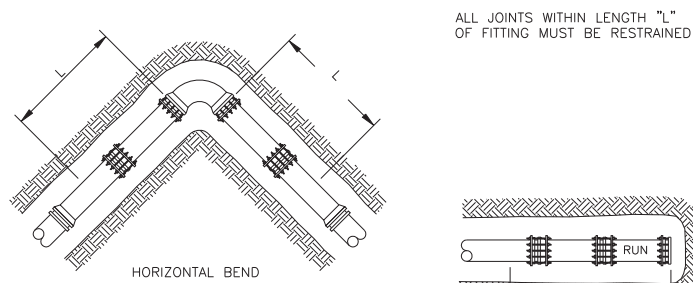
DTL-VB

ITEM	DESCRIPTION
A	SEE FIRE HYDRANT DETAIL SHEET FOR CONSTRUCTION SPECIFICATIONS



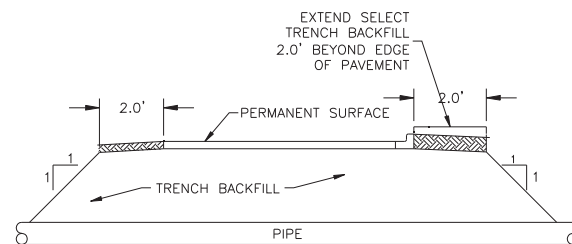
CITY OF ROCKFORD
OFFSET FIRE HYDRANT
COMPLETE WITH ELL
N.T.S.

DTL-FHO



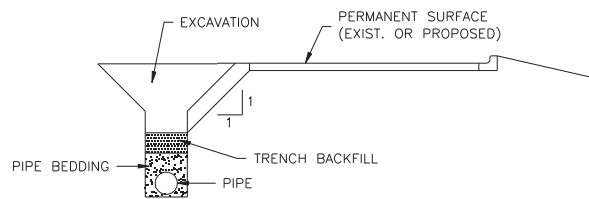
DIP diameter (inches)	L (feet)					
	Horizontal bends		Vertical Down Bends	Vertical Up Bends	Dead Ends	
4 to 8	1	3	6	14	15	6
10 to 12	2	4	8	20	21	8
14 to 16	3	5	11	25	27	11
18 to 20	3	6	13	31	33	13
24	4	7	15	36	39	15

RESTRAINING GLAND RESTRAINT
N.T.S.

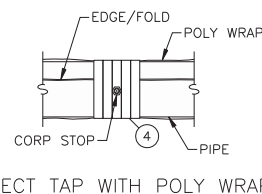


TYPICAL SECTION OF PIPE
CROSSING UNDER PERMANENT SURFACE
N.T.S.

NOTE:
THESE MINIMUM SECTIONS APPLY WHEREVER PIPE IS ADJACENT TO, OR CROSSES UNDER AN EXISTING OR NEW ROADWAY, PARKING LOT, SIDEWALK, DRIVEWAY, STRUCTURE OR PAVEMENT.

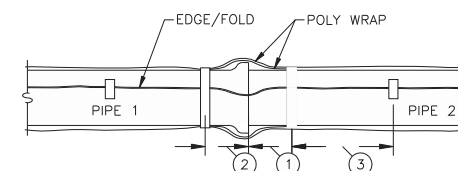


TYPICAL SECTION OF PIPE
PARALLEL TO PERMANENT SURFACE
N.T.S.



DIRECT TAP WITH POLY WRAP

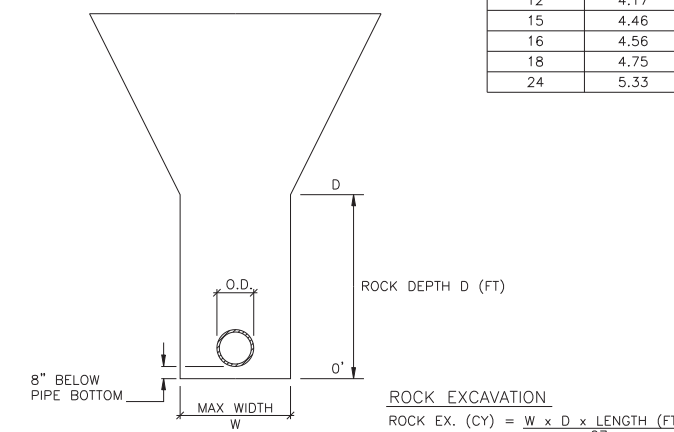
PIPE DIA. (IN.)	MINIMUM POLY WRAP WIDTH (IN.)	
	FLAT TUBE	SHEET
4	14	28
6	16	32
8	20	40
10	24	48
12	27	54
14	30	60
16	34	68



1. EXTEND POLY WRAP FOR PIPE 1 A MINIMUM OF 12" BEYOND BELL ONTO PIPE 2. SECURE TO PIPE 2 WITH TAPE OR PLASTIC TIE STRAPS.
2. EXTEND POLY WRAP FOR PIPE 2 ONTO PIPE 1 A MINIMUM OF 12" BEYOND THE PIPE 1 BELL. INSTALL OVER THE PIPE 1 POLY WRAP AND SECURE THE END WITH TAPE OR PLASTIC TIE STRAPS.
3. SECURE THE CUT EDGE ON POLY SHEETS EVERY 3'-0". SECURE THE FOLD ON POLY TUBES EVERY 4'-0", IF INSTALLED BELOW THE WATER TABLE, SECURE EVERY 2'-0".
4. INSTALL 2 TO 3 WRAPS OF POLYETHYLENE ADHESIVE TAPE COMPLETELY AROUND THE PIPE AND POLY WRAP AT TAPPING LOCATION. MOUNT TAPPING MACHINE OVER THE TAPE AND INSTALL CORPORATION THROUGH THE TAPE AND POLY WRAP. REPAIR ANY DAMAGE TO POLY WRAP IF NEEDED.
5. POLY WRAP SHALL BE A MINIMUM OF 8 MILS THICK AND SHALL BE FURNISHED IN TUBE FORM.

POLY WRAP INSTALLATION AT PIPE JOINTS

POLYETHYLENE ENCASEMENT
(POLY WRAP) INSTALLATION DETAIL
N.T.S.



NOTE:
ROCK EXCAVATION WILL BE PAID ON WATER SERVICE AND MAIN CONSTRUCTION WHERE APPLICABLE/SPECIFIED.

ROCK EXCAVATION PAY LIMIT SCHEDULE
N.T.S.



USER NAME = ROBERT FREY
PLOT SCALE = N/A
PLOT DATE = 07/16/2012

DESIGNED BDA
DRAWN BPF
CHECKED MLP
DATE 02/17/12

REVISED 07/16/2012 BPF
REVISED 10/30/2012 MJS
REVISED 11/27/2012 BPF
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WATER MAIN DETAILS
IL RTE 2

SCALE: N/A SHEET NO. 372 OF 705 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	(32, 33) R-1	WINNEBAGO	705	372
CONTRACT NO. 64821				
ILLINOIS FED. AID PROJECT				