



### MATERIAL LIST

ITEM	QTY.	DESCRIPTION
(A)	1	Saddle: Double-strap, stainless-steel, tapped 2" IP. Ford FC202, Romac 202NS, Mueller DR2S or District approved equal.
(B)	1	2" ball valve, FIPxFIP, Ford #B11-777 with 2" operating nut, Ford #QT-67.
(C)	4	2" 90° brass elbow, FIPxFIP.
(D)	4	2" adapter, MIPxPack Joint, Ford #C86-77 for SIDR 7, 200 psi pipe.
(E)	2	2" Polyethylene pipe per the Specifications. SIDR 7, 200 psi rating, length to fit. All polyethylene pipe installed by open-cut construction shall be bedded in 5/8" crushed rock or sand, 2" over and under.
(F)	1	Locator wire per the Specifications. 14 gauge neoprene coated copper. Continuous from mainline
(G)	1	4"x8"x16" concrete block.
(H)	7	2" Brass nipple, length to fit.
(I)	1	2" MATCO-NORCA 754 brass ball valve or equal
(J)	1	2" brass union.
(K)	1	2" Air/Vacuum relief valve, APCO #145C or District approved equal.
(L)	5	2" galvanized nipple, length to fit.
(M)	2	2" 90° galvanized elbow, FIPxFIP.
(N)	1	2" galvanized union.
(O)	1	2"x2"x2" TEE, FIP.
(P)	1	2" galvanized close nipple, MIP, between the elbow (N) and the tee (P).
(Q)	1	2" 180° return bend.
(R)	1	2" beehive strainer.
(S)	1	2" cap with 1/8" hole for drain
(T)		Washed gravel, passing 1 1/2" and retained on 1/4" mesh
(U)	2	Meter Box: Armorcast A6001640PCX12 (no "mouse holes") with cover Armorcast A6001947T
(V)	1	Cut opening as required, after installation, grout around pipe
(W)	1	Two-piece, cast iron valve box per the Specifications and Standard Detail.

### NOTES:

- The location of the assembly as shown on the plans is approximate only. The final location shall be at the local high point of the water main as directed by the District in the field during construction.
- The 2" Standpipe above ground shall be prime coated with Steelcote SR53 heavy duty brush type enamel. Top coat shall be two coats of Sherwin/Williams White Industrial Enamel #B54W101.

## 2" AIR & VACUUM RELIEF VALVE ASSEMBLY

NOT TO SCALE

Detail Approvals  
 Engineer GSM  
 Manager DPK

NORTHSHORE UTILITY DISTRICT  
 STANDARD WATER DETAILS

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February 2014  
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