



MATCH LINE STA 25+00
SEE DRAWING WTR-1

EXISTING 12" WATER MAIN
TO BE ABANDONED. SEE
WATER MAIN NOTES 2 & 3,
SHT WTR-1

12" DUCTILE IRON PIPE
WATER MAIN. SEE PROFILE
SHT WTR-3

2" CORPORATION STOP
AIR RELEASE IN VAULT
STA 28+15.0
N 1900687.45
E 1003374.67

12" X 10" TEE, MJ
STA 29+53.3
N 1900811.43
E 1003435.86
10" GATE VALVE IN VAULT. SEE DETAIL SHT WTR-4
N 1900813.01
E 1003432.40
39' OF 10" RESTRAINED JOINT PIPE
CONNECTION TO EXISTING 10" WATER MAIN.
SEE NOTE 1 ON SHT WTR-1
N 1900827.64
E 1003400.30
CUT AND CAP EXISTING WATER MAIN
TO BE ABANDONED TO THE EAST

12" X 6" TEE, MJ
STA 30+88.0
N 1900934.97
E 1003497.82
INSTALL 12' OF 6" PIPE
FOR HYDRANT LEAD

12" GATE VALVE IN VAULT
SEE DETAIL SHT WTR-4
STA 30+94.0
N 1900940.34
E 1003500.49

12"-22.5° BEND, MJ
STA 31+32.6
N 1900971.59
E 1003516.60

CONNECTION TO EXISTING 12"
WATER MAIN, SEE NOTE 1 ON SHT WTR-1
STA 31+73.3
N 1901012.22
E 1003516.64

CUT AND CAP EXISTING WATER MAIN
TO BE ABANDONED TO THE SOUTH

HYDRANT WITH AUXILIARY VALVE AND BOX
SEE DETAIL SHT WTR-5
N 1900929.88
E 1003507.75

INSTALL TEMPORARY 12" PRESSURE INSERT VALVE
INTO EXISTING 12" WATER MAIN, 5' NORTH OF EXISTING
12" X 10" TEE AT ROQUETTE DRIVE
N 1900833.30
E 1003516.64
SEE WATER MAIN INSTALLATION NOTES ON THIS SHEET

WATER MAIN INSTALLATION NOTES:

1. THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO THE ROQUETTE DEVELOPMENT AT ALL TIMES DURING CONSTRUCTION OF THE NEW WATER MAIN. THE ROQUETTE DEVELOPMENT IS SERVICED BY THE 10" WATER MAIN AT ROQUETTE DRIVE AND A SECOND 10" WATER MAIN LOCATED APPROXIMATELY 550' TO THE NORTH.
2. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE NEW WATER MAIN AND THE ABANDONMENT OF THE EXISTING WATER MAIN WITH THE CITY OF GENEVA AND THE ROQUETTE DEVELOPMENT. A MINIMUM OF TWO (2) WEEKS NOTICE SHALL BE PROVIDED TO THE CITY OF GENEVA AND THE ROQUETTE DEVELOPMENT PRIOR TO THE OPERATION OF VALVES, WATER MAIN SHUT-DOWNS, PLACING WATER MAINS INTO SERVICE, PRESSURE TESTING, FLUSHING, AND CHLORINATION ACTIVITIES.
3. THE CONTRACTOR SHALL INSTALL INTO THE EXISTING MAIN, WITHOUT A SHUTDOWN OR LOSS OF SERVICE PRESSURE, A PRESSURE INSERT VALVE TO ALLOW FOR THE SEGMENTED PHASING OF THE NEW WATER MAIN INTO SERVICE WITHOUT ANY SERVICE DISRUPTIONS. THE PRESSURE INSERT VALVE SHALL BE ABANDONED IN PLACE OR REMOVED UPON INSTALLATION AND ACCEPTANCE OF THE NEW WATER MAIN.
4. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A PLAN FOR PHASING THE NEW WATER MAIN INTO SERVICE, INCLUDING BUT NOT LIMITED TO: A SUMMARY OF SHUT-DOWNS, PRESSURE TESTING PROCEDURES, METHODS OF CHLORINATION, SEQUENCE OF CONNECTIONS AND ABANDONMENTS OF THE EXISTING WATER MAIN.
5. PRESSURE INSERT VALVES SHALL MEET THE FOLLOWING CRITERIA:
 - a. SHALL BE SUITABLE FOR INSTALLATION ON THE SIZE AND MATERIAL OF THE EXISTING WATER MAIN.
 - b. SHALL ALLOW NO LEAKS UNDER THE MAXIMUM SYSTEM PRESSURE AND BE RATED FOR A 150 PSI MAXIMUM WORKING PRESSURE (MINIMUM).
 - c. SHALL BE SUITABLE FOR USE IN POTABLE WATER SYSTEMS AND NOT ALLOW CONTAMINATES INTO THE WATER MAIN OF ANY KIND.
 - d. SHALL BE MANUFACTURED BY HYDRA-STOP, OR APPROVED EQUAL.
6. ALL COSTS ASSOCIATED WITH THE IMPLEMENTATION OF THE ABOVE LISTED REQUIREMENTS SHALL BE CONSIDERED INCLUDED WITH THE UNIT PRICE FOR DUCTILE IRON WATER MAIN, WITH NO ADDITIONAL COMPENSATION PROVIDED.

McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street Chicago, Illinois 60601

FILE NAME =	USER NAME = EricG
DI60122-SHT-WTR02.dgn	
PLOT SCALE = 1/50	
PLOT DATE = 3/6/2012	

DESIGNED - DF	REVISED -
DRAWN - DF	REVISED -
CHECKED - EJJ	REVISED -
DATE - 03/07/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN PLAN

SCALE: 1"=50' SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	101
WTR-2			CONTRACT NO. 60122	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				