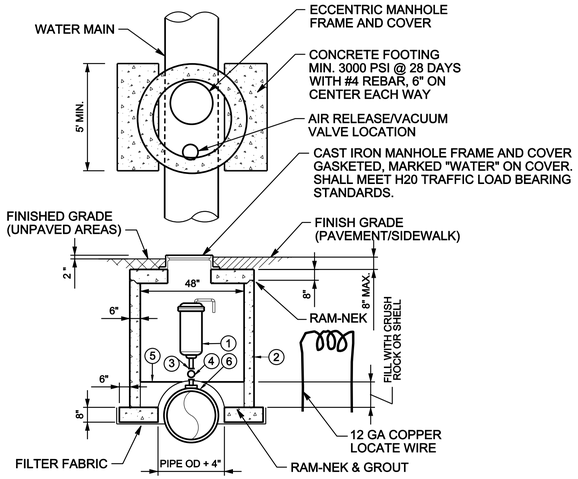
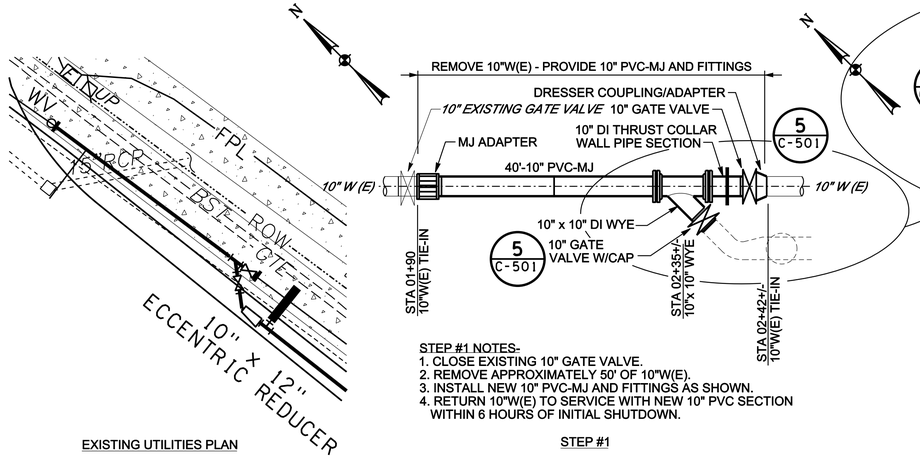


NOTES:

1. AUTOMATIC AIR RELEASE VAL-MATIC COMBINATION AIR/VACCUM VALVE (Model 203C.15) WITH FLOODSAFE VALVE (Model 1303) OR EQUAL. PROVIDE 2" VALVES, UNLESS SHOWN OTHERWISE ON PLAN SHEETS.
2. PRECAST CONCRETE 4 FOOT DIA. MANHOLE SECTION WITH TOP SLAB, ASTM C478, LATEST REVISION.
3. SS 316 PIPING
4. SS 316 BALL VALVE BRASS CORPORATION STOP BALL TYPE.
5. CRUSH ROCK OR SHELL
6. SS BAUD BRASS DOUBLE STRAP SERVICE SADDLE DUCTILE IRON BODY-EPOXY COATED.
7. CAV's SHALL BE PLACED AT THE HIGH POINT OF THE WATER MAIN.

1 / C-502 AUTOMATIC COMBINATION AIR RELEASE VALVE (CAV)

NO SCALE

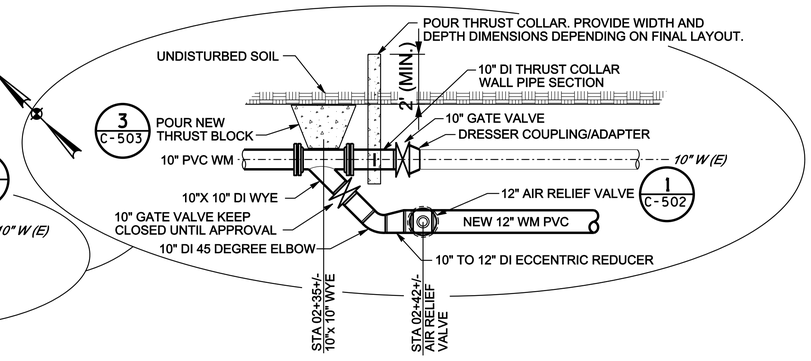


EXISTING UTILITIES PLAN

STEP #1 NOTES-

1. CLOSE EXISTING 10" GATE VALVE.
2. REMOVE APPROXIMATELY 50' OF 10"W(E).
3. INSTALL NEW 10" PVC-MJ AND FITTINGS AS SHOWN.
4. RETURN 10"W(E) TO SERVICE WITH NEW 10" PVC SECTION WITHIN 6 HOURS OF INITIAL SHUTDOWN.

STEP #1



STEP #2 NOTES-

1. REMOVE 10" GATE VALVE CAP. VALVE TO REMAIN CLOSED UNTIL CONFIRMATION FROM TOWN IS RECIEVED.
2. INSTALL NEW 10" DI 45 DEGREE ELBOW, 10"x 12" DI ECCENTRIC REDUCER AND AIR RELEIF VALVE AS SHOWN.
3. CONNECT TO NEW 12" PVC WM.
4. UPON APPROVAL OF FINAL TESTING, AND PER SCHEDULE, PLACE NEW 12" WM IN SERVICE.

STEP #2

NOTES:

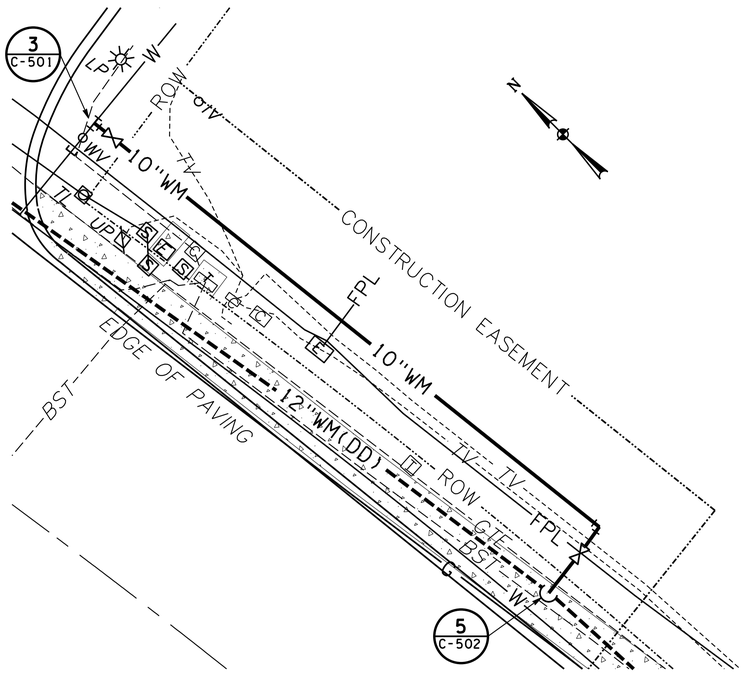
1. CONNECTION TO EXISTING WATER MAIN SHALL NOT BE MADE UNTIL NEW MAIN IS INSTALLED AND HAS PASSED TEST REQUIREMENTS.
2. CONTRACTOR SHALL SUBMIT A TIME AND EQUIPMENT SCHEDULE AND PROPOSED LAYOUT TO THE TOWN FOR REVIEW 30 DAYS PRIOR TO CONNECTION.
3. CONTRACTOR SHALL SUBMIIT, 14 DAYS IN ADVANCE, A STEP BY STEP PROCEDURE BASED ON THIS DETAIL AND FIELD VERIFICATION FOR REVIEW AND APPROVAL BY THE TOWN PRIOR TO CONDUCTING WORK.
4. ALL FITTING AND CONNECTIONS THROUGH ARV PLACEMENT SHALL BE CLASS 52 RESTRAINED DUCTILE IRON PIPE.

NOTES (CONT.):

5. CONTRACTOR SHALL BE PREPARED TO MAKE TIE -IN BETWEEN 12AM AND 6AM. DATE AND TIME SHALL BE APPROVED BY THE TOWN UPON A MINIMUM OF 2 WEEKS NOTIFICATION.
6. CONTRACTOR SHALL PLAN TO ALLOW 7 DAYS MINIMUM AFTER MAKING TIE -IN BEFORE OPENING NEW PIPELINE FOR CONCRETE THRUST BLOCKS TO MEET MINIMUM STRENGTH OF 2500PSI. TEST RESULTS TO BE PROVIDED TO ENGINEER PRIOR TO EXERCISING NEW VALVES.
7. ALL NEW PIPE, FITTINGS AND VALVES SHALL BE STORED IN CLEAN ENVIRONMENT. MATERIAL SHALL BE FREE OF ALL DEBRIS ON INSIDE OF PIPE BARREL. PIPE BARRELS AND VALVES TO BE SWABBED WITH 2% SOLUTION OF AWWA APPROVED HYPOCHLORITE JUST PRIOR TO FINAL FIELD CONNECTION.

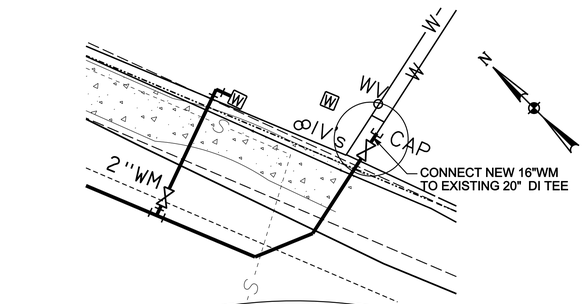
2 / C-502 BAY ISLES DRIVE - 12" WM CONNECTION DETAIL

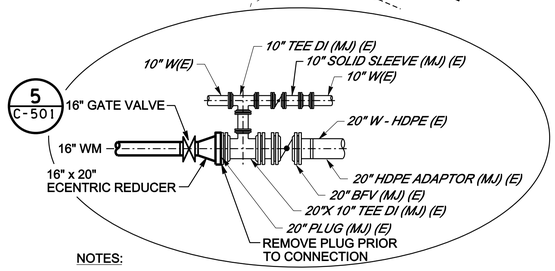
STATION 02+00 NO SCALE



3 / C-502 BAY ISLES PARKWAY - 10" WM CONNECTION DETAIL

STATION 12+00 NO SCALE



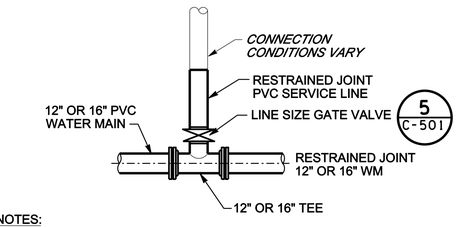


NOTES:

1. CONTRACTOR TO CAREFULLY LOCATE EXISTING PIPE FOR EXACT VERTICAL AND HORIZONTAL ALIGNMENT. LOCATE WELL IN ADVANCE TO ALLOW FOR PERMITTABLE DEFLECTION WITHOUT ADDED FITTINGS
2. CONFIRM RESTRAINTS ON EXISTING UNDERGROUND PIPE ARE IN PLACE
3. CONFIRM PIPE SIZES, AS SHOWN, TO ENSURE PROPER CONNECTIONS.
4. DO NOT MAKE FINAL CONNECTION UNTIL APPROVED PRESSURE AND BACTERIOLOGICAL TESTING RESULTS ARE SATISFACTORY.

4 / C-502 SOUTH KEY - 18" WM CONNECTION DETAIL

STATION 177+40 NO SCALE



NOTES:

1. PROVIDE NEW LINE SIZE TEE.
2. PROVIDE NEW LINE SIZE GATE VALVE.
3. PROVIDE NEW SERVICE LINE SIZED PER PLANS.
4. SERVICE LINE AND TRANSMISSION LINES SHALL BE RESTRAINED JOINT PVC PIPE.
5. FOR SINGLE SERVICE CONNECTIONS, USE 5/8" CORPORATION STOP AND 5/8" PE PIPE.

5 / C-502 TYPICAL CONNECTION TAP TO EXISTING PIPE DETAIL

NO SCALE

Date:

Thomas G. Walker, P.E.
Florida PE 31462

REVISIONS

NO.	DATE

DESIGNED BY: LSA/TGW
DRAWN BY: ABE
DATE 10/17/08
PROJECT MANAGER: LAURA S. ANDREWS, PE
FILE NAME: LBK WTR C-502.DWG
ACCOUNT:

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UPSIZE POTABLE WATER TRANSMISSION MAIN

TOWN OF LONGBOAT KEY, SARASOTA COUNTY, FLORIDA

TYPICAL PIPING AND EQUIPMENT INSTALLATION DETAILS II

DRWG. NO: C-502

SHT. 44 OF 55

DRAWING SIZE 24" x 36" - USE GRAPHIC SCALE OTHERWISE.