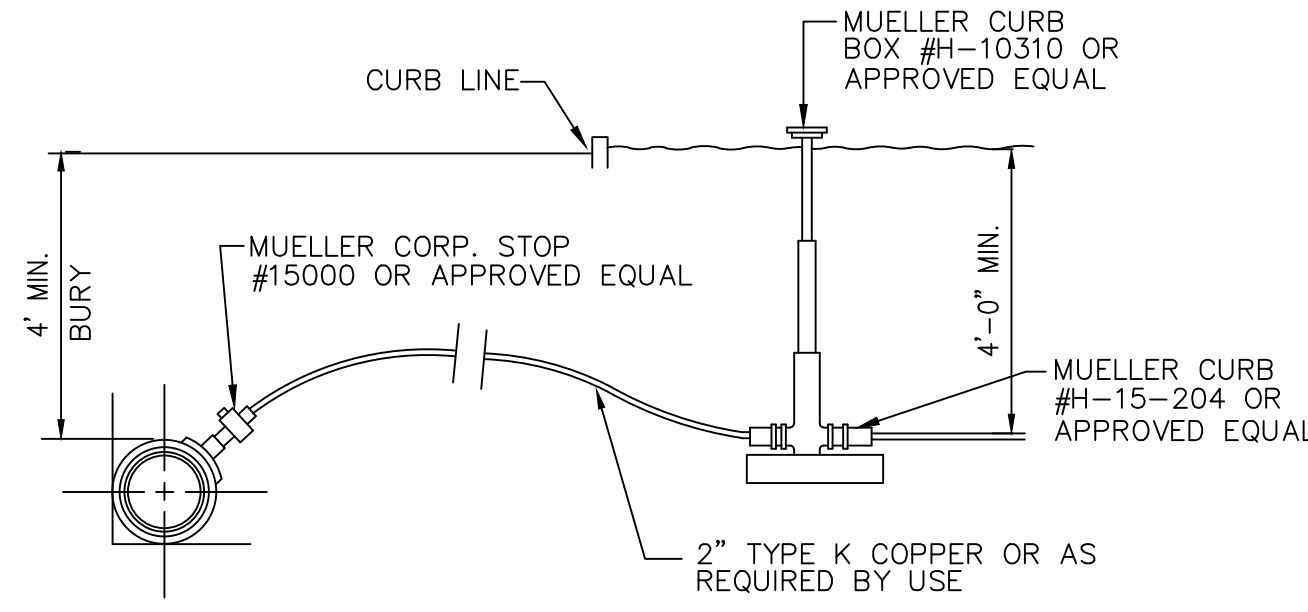
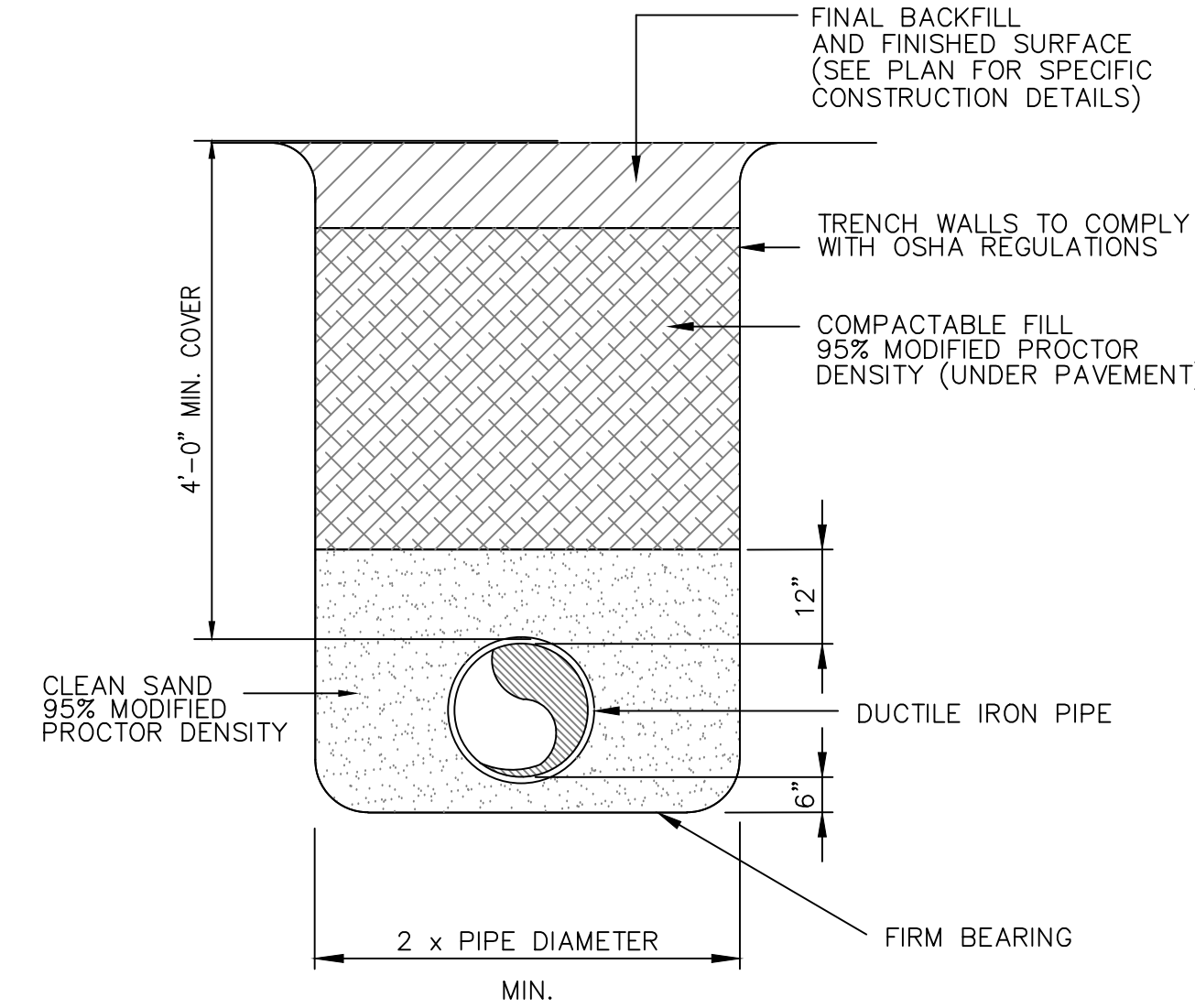


TYPICAL FIRE HYDRANT AND AUXILIARY GATE VALVE DETAIL
NOT TO SCALE



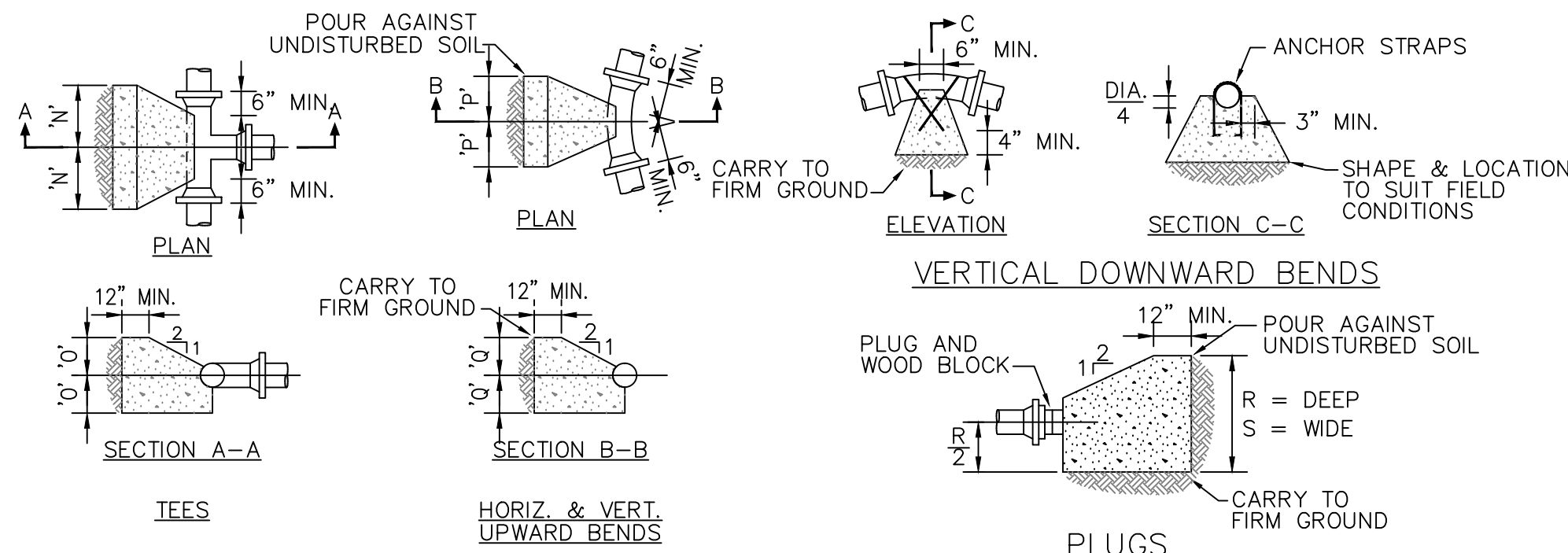
TYPICAL 2" WATER SERVICE CONNECTION
NOT TO SCALE



WATERLINE TRENCH DETAIL
NOT TO SCALE

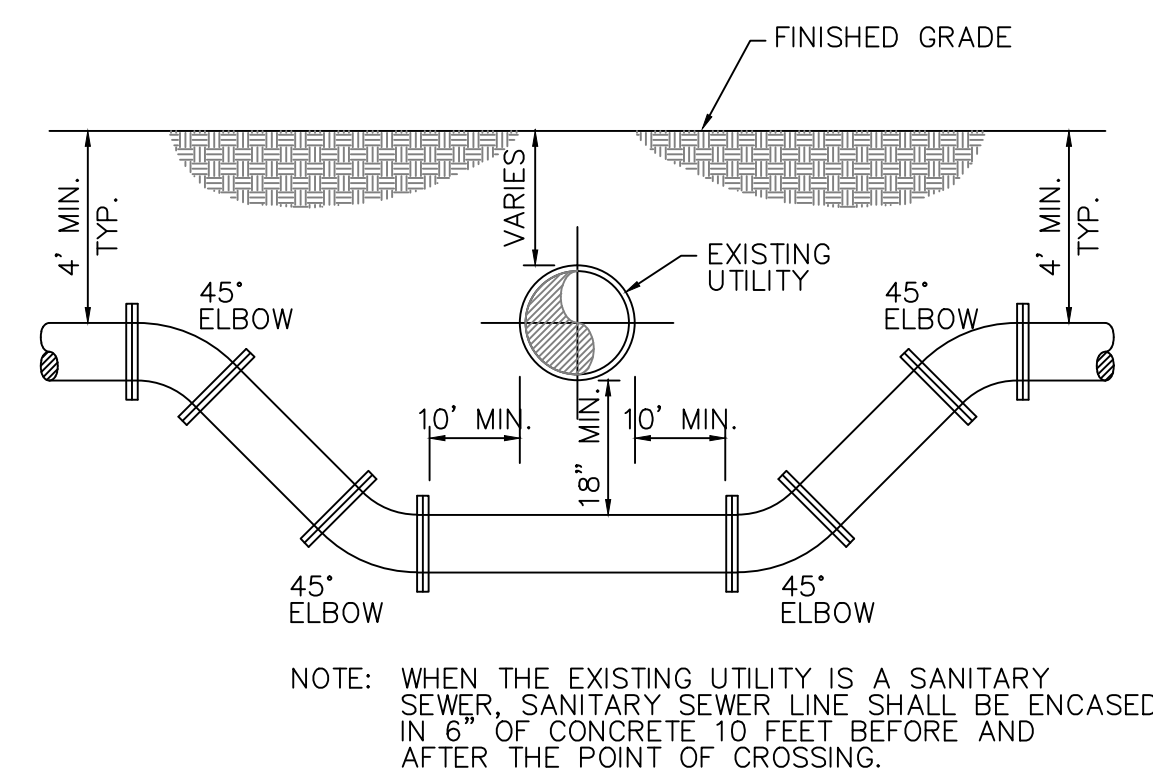
WATER DISTRIBUTION NOTES

- ALL WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF NYSDOH.
- ALL WATER DISTRIBUTION SYSTEM (INCLUDING WELLS) CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AWWA AND NYSDOH CURRENT STANDARDS
- ALL THRUST BLOCKS SHALL BE CALCULATED IN THE FIELD BASED ON DETAILS INCLUDED IN THIS SUBMISSION AND SHALL BE FOUNDED ON VIRGIN SOIL.
- ALL VALVE BOXES FOR HYDRANT ASSEMBLY SHALL BE CENTERED ON VALVE AND SET IN PAVEMENT WHERE POSSIBLE. ALL VALVE BOXES MUST BE SET TO FINISHED PAVEMENT/GRADE SURFACE ELEVATION.
- WATER MAINS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52.
- WATER MAIN CROSSING OVER SANITARY SEWER SHALL BE INSTALLED TO PROVIDE A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE BOTTOM OF THE WATER MAIN AND TOP OF THE SEWER.
- ALL FACILITIES WILL BE DISINFECTED PRIOR TO SERVICE IN A MANNER CONSISTENT WITH AWWA C651.
- ALL MATERIALS, DISINFECTING AND INSTALLATION SHALL CONFORM TO THE "RECOMMENDED STANDARDS FOR WATER WORKS" (10 STATES STANDARDS), AND ALL WATER-CONTACTING PIPES AND MATERIALS MUST MEET APPROPRIATE ANSI/AWWA AND/OR ANSI/NSF STANDARDS.
- MINIMUM DEPTH OF COVER SHALL BE 4'-0". WHERE MINIMUM DEPTH CANNOT BE MET, WATER MAINS SHALL BE PROPERLY INSULATED.
- ALL PROPOSED WATER MAINS, LOOPS, AND FIRE AND DOMESTIC WATER SERVICE SIZED SHOWN, WILL BE ADJUSTED AND SIZED BASED UPON THE RESULTS OF SUBSEQUENT DESIGN CALCULATIONS TO BE PROVIDED BY OTHERS.
- CONTRACTOR SHALL COORDINATE FIRE HYDRANT LOCATIONS WITH THE FIRE DEPARTMENT PRIOR TO INSTALLATION. A PLAN OF SAME SHALL BE SUBMITTED TO THE DESIGN ENGINEER.
- THE MATERIAL OF WATER SERVICE SHALL BE TYPE K COPPER OR REQUIRED BY USE. MINIMUM WATER SERVICE LINE SHALL BE ONE INCH.

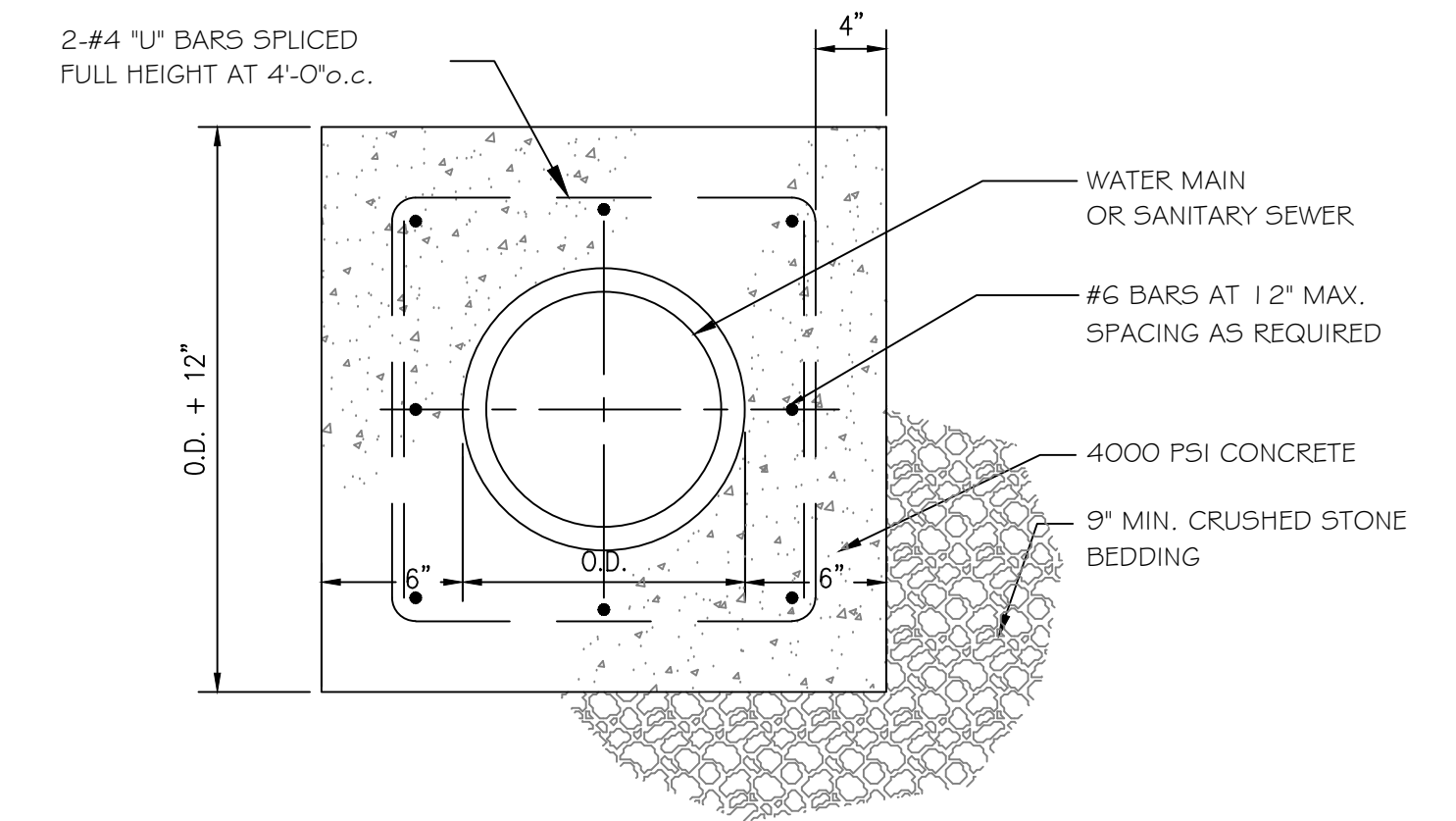


THRUST BLOCKS FOR TEES, HORIZONTAL & VERTICAL BENDS AND PLUGS		ANCHOR SCHEDULE FOR VERTICAL DOWNWARD BENDS	
DESC.	DIMENSION	SIZE	SIZE
TEES	N 0'-7" 0'-10" 1'-2"	1'-5"	1'-8"
90° BENDS	P 0'-9" 1'-0" 1'-4"	1'-8"	1'-11"
45° BENDS	D 0'-9" 1'-0" 1'-4"	1'-8"	1'-11"
22 1/2° BENDS	P 0'-7" 0'-9" 1'-0"	1'-3"	1'-5"
11 1/4° BENDS	D 0'-5" 0'-7" 0'-9"	0'-11"	1'-2"
PLUGS	R 1'-2" 1'-8" 2'-4"	2'-10"	3'-4"

THRUST BLOCK DETAILS
NOT TO SCALE 150 P.S.I.

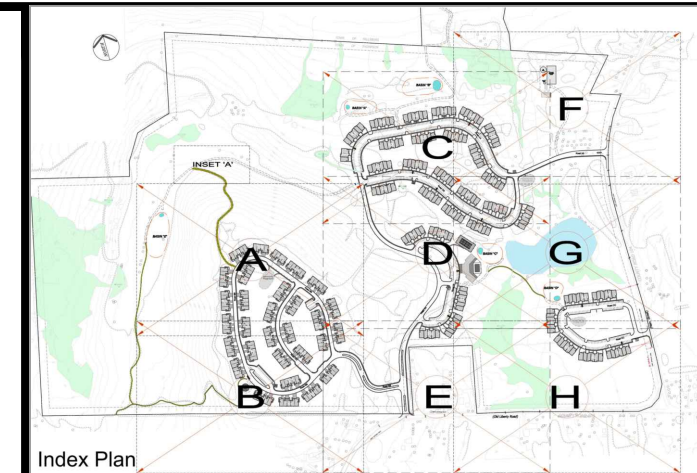


UTILITY CROSSING DETAIL
NOT TO SCALE



CONCRETE ENCASUREMENT
NOT TO SCALE

IT IS A CONDITION OF THE EXERCISE OF THE RIGHTS OF THE CONTRACTOR, NOTARY PUBLIC, SPOKESPERSON OR SURETY OF ANY CONTRACT, THROUGH ANY INSTRUMENT, THAT THE CONTRACTOR SHALL BE AS NOTED IN WORDS OR NUMBERS ON THE CONTRACT DRAWINGS TO THE SCALE OF THE CONTRACT TO DETERMINE DIMENSIONS. THESE CONTRACT DRAWINGS CONTAIN DATA INTENDED SPECIFICALLY FOR THE NOTED PROJECT AND CLIENT. THEY ARE NOT INTENDED FOR USE ON EXTENSIONS OF THIS PROJECT OR FOR OTHER PROJECTS.



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PROFESSIONAL ENGINEER
NEW YORK LIC. NO. 086749

SIGNATURE _____ DATE 7/1/2016

REV	DATE	DESCRIPTION
1	02/10/16	PRE-ISSUE FOR TEAM REVIEW
2	05/11/16	PRELIMINARY SITE PLAN REVIEW
3	07/5/16	SUBMISSION TO PLANNING BOARD

PROJECT TITLE

PRELIMINARY & FINAL SITE PLAN

Gan-Eden Estates

TOWN OF THOMPSON SULLIVAN COUNTY NEW YORK

TAX LOT SECTION 2, BLOCK 1/ LOT 6.3

SHEET TITLE

WATER SYSTEM DETAILS & NOTES

INITIAL DATE 12/04/2015
JOB NO. 01895/0053

SCALE AS SHOWN
B/O

DRAWN CY/FM
SHEET NO. C-17

CHKD. AG/LAD
71 OF 79