DUTCHESS COUNTY HEALTH DEPARTMENT

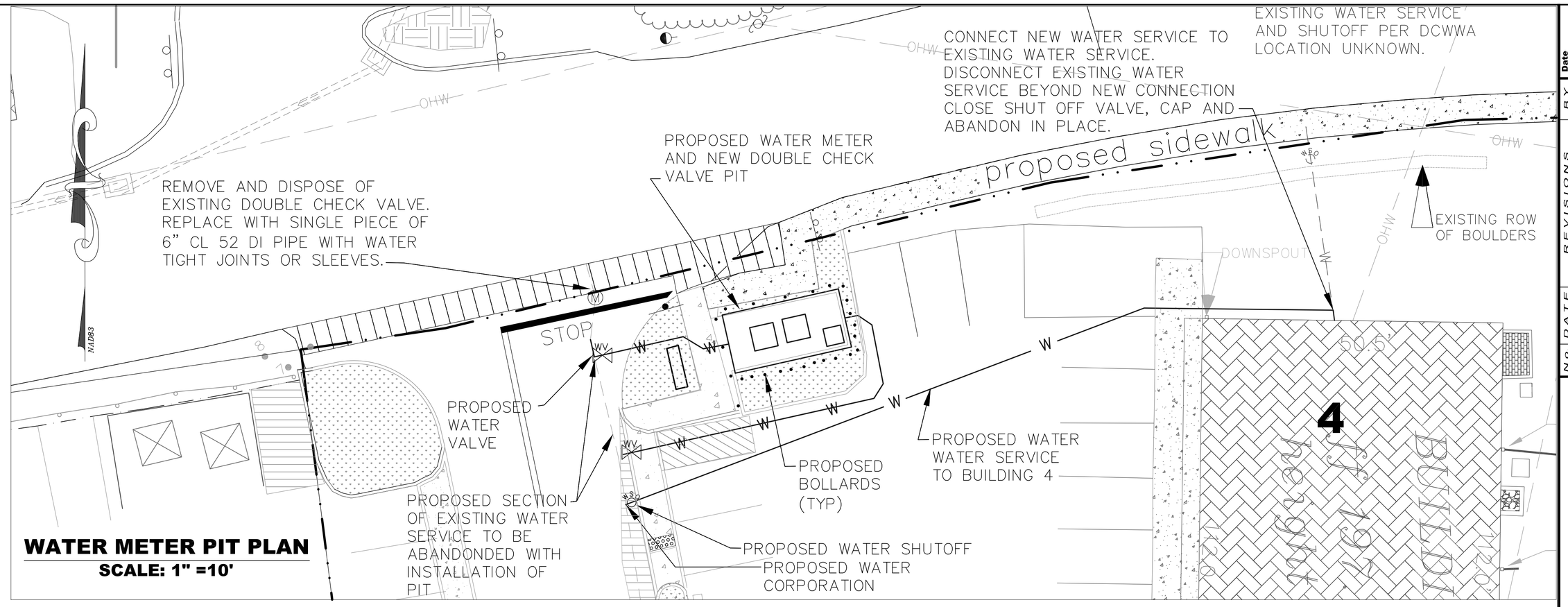
OWNER CERTIFICATION

THE UNDERSIGNED OWNER(S) OF THE PROPERTY SHOWN HEREON, AND THE APPLICANT, HEREBY CERTIFY THAT WE ARE FAMILIAR WITH THIS MAP, ITS CONTENTS AND DETAILS, AND HEREBY AGREE TO THE TERMS AND CONDITIONS EXPRESSED HEREON.

N&N HYDE PARK LLC
OWNER (PRINT)

1089 LITTLE BRITAIN RD
NEW WINDSOR NY
OWNER ADDRESS (PRINT)

X
AUTHORIZED SIGNATURE DATE



WATER METER PIT PLAN
SCALE: 1" =10'

NO	DATE	REVISIONS	BY
1	7/5/16	ADD DCV PER DCWWA	MZ
2	7/11/16	REMOVE EXISTING DCV PER DCWWA	MZ
3	3/28/17	PER TOWN COMMENTS	MZ

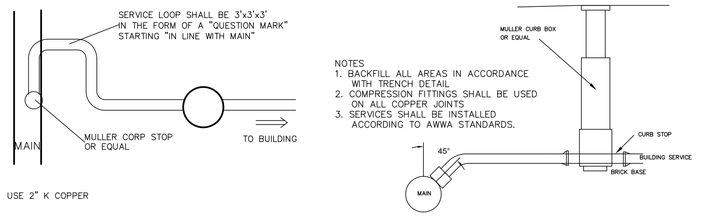
Date 06/01/16
Sheet WTR-1

HYDE PARK TOWN CENTER - NORTH

4274 & 4820 Albany Post Rd
Town of Hyde Park
Dutchess County
State of New York

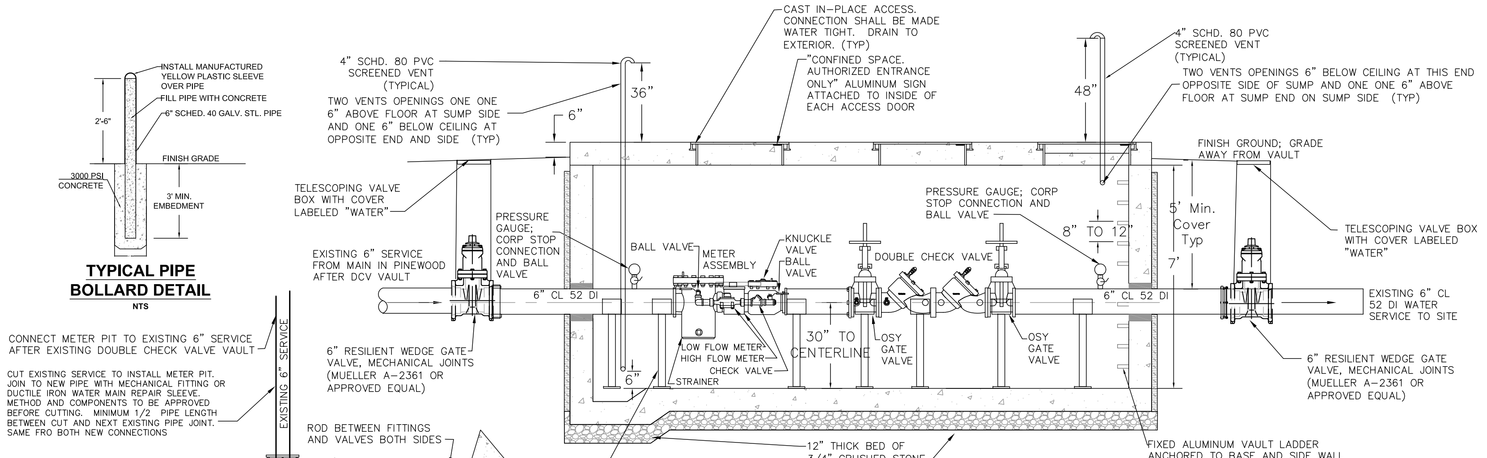
WATER METER PIT PLAN

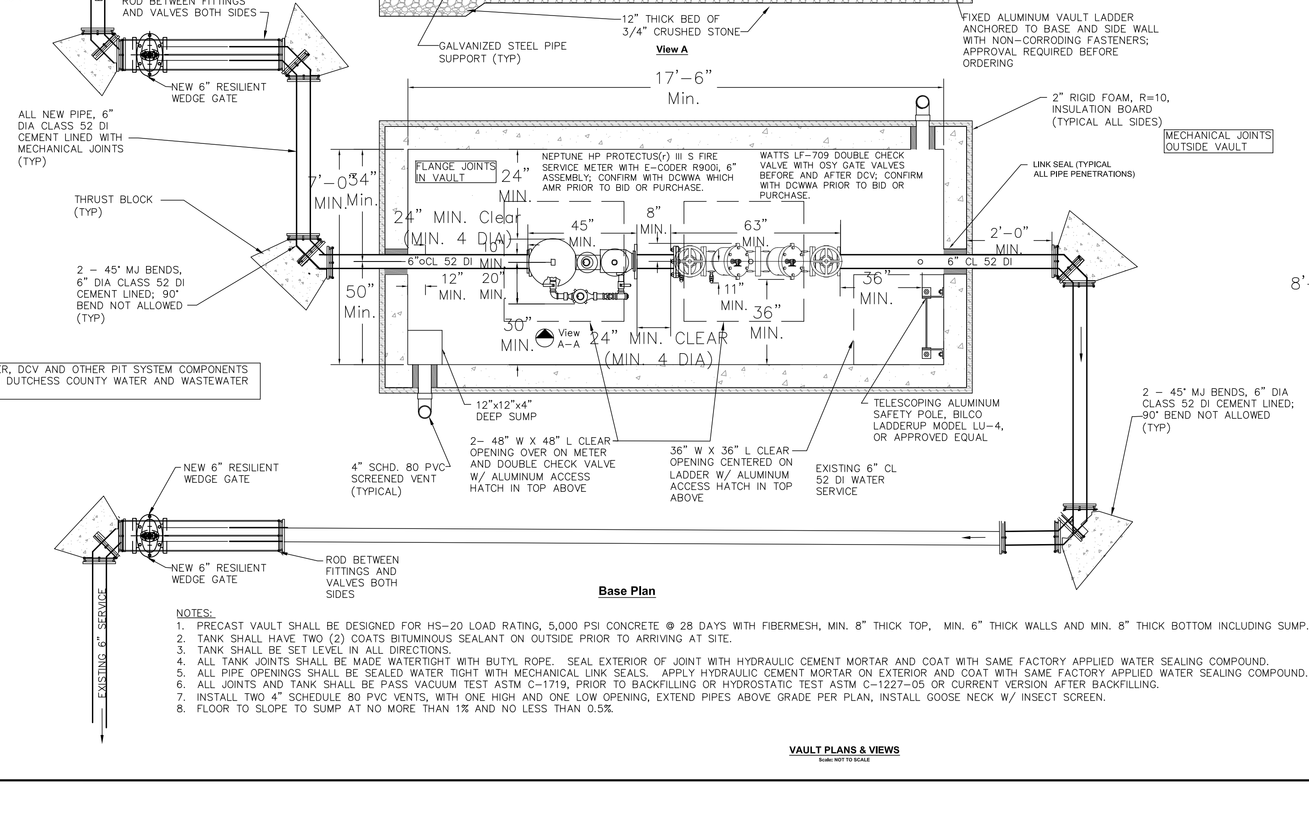
OWNER/APPLICANT
N&N HYDE PARK LLC
1089 LITTLE BRITAIN RD
NEW WINDSOR NY



DOMESTIC SERVICE & CURB BOX DETAIL
NOT TO SCALE

TYPICAL PIPE BOLLARD DETAIL
NTS

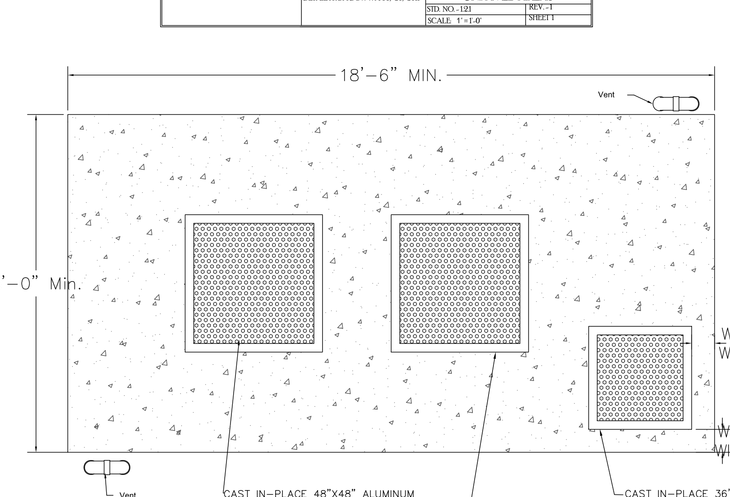




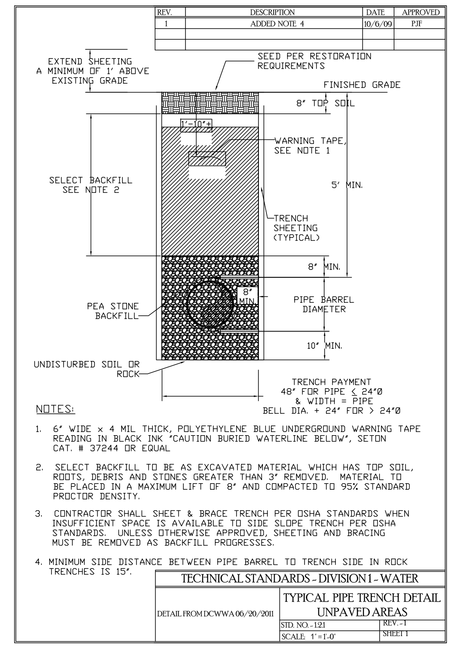
Base Plan

NOTES:
1. PRECAST VAULT SHALL BE DESIGNED FOR HS-20 LOAD RATING, 5,000 PSI CONCRETE @ 28 DAYS WITH FIBERMESH, MIN. 8" THICK TOP, MIN. 6" THICK WALLS AND MIN. 8" THICK BOTTOM INCLUDING SUMP.
2. TANK SHALL HAVE TWO (2) COATS BITUMINOUS SEALANT ON OUTSIDE PRIOR TO ARRIVING AT SITE.
3. TANK SHALL BE SET LEVEL IN ALL DIRECTIONS.
4. ALL TANK JOINTS SHALL BE MADE WATERTIGHT WITH BUTYL ROPE. SEAL EXTERIOR OF JOINT WITH HYDRAULIC CEMENT MORTAR AND COAT WITH SAME FACTORY APPLIED WATER SEALING COMPOUND.
5. ALL PIPE OPENINGS SHALL BE SEALED WATER TIGHT WITH MECHANICAL LINK SEALS. APPLY HYDRAULIC CEMENT MORTAR ON EXTERIOR AND COAT WITH SAME FACTORY APPLIED WATER SEALING COMPOUND.
6. ALL JOINTS AND TANK SHALL BE PASS VACUUM TEST ASTM C-1719, PRIOR TO BACKFILLING OR HYDROSTATIC TEST ASTM C-1227-05 OR CURRENT VERSION AFTER BACKFILLING.
7. INSTALL TWO 4" SCHEDULE 80 PVC VENTS, WITH ONE HIGH AND ONE LOW OPENING, EXTEND PIPES ABOVE GRADE PER PLAN, INSTALL GOOSE NECK W/ INSECT SCREEN.
8. FLOOR TO SLOPE TO SUMP AT NO MORE THAN 1% AND NO LESS THAN 0.5%.

VAULT PLANS & VIEWS
Scale: NOT TO SCALE



Top Plan



GENERAL CONSTRUCTION NOTES:
1. CONTRACTOR SHALL OBTAIN ALL UTILITY AND WORK PERMITS PRIOR TO COMMENCING WORK.
2. CONTRACTOR RESPONSIBLE FOR PROTECTING ALL CONTROL POINTS AND BENCH MARKS AND FOR COST OF REPLACING IF DISTURBED.
3. CONTRACTOR RESPONSIBLE FOR CONTACTING UFPO (DIG SAFE) AND HAVE MARK OUT PRIOR TO ANY EXCAVATION OR GROUND DISTURBANCE.
4. CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND FACILITIES.
5. LOCATION, SIZE AND MATERIAL OF EXISTING UTILITIES IS UNKNOWN. CONTRACTOR SHALL DETERMINE LOCATION, SIZE AND MATERIAL OF EXISTING UTILITIES PRIOR TO ORDERING ANY MATERIAL, ESPECIALLY WATER METER PIT AND OTHER SITE SPECIFIC ITEMS.
6. UNDERGROUND CONDITIONS INCLUDING BUT NOT LIMITED TO GROUND WATER, BURIED DEBRIS AND OTHER OBSTACLES IS UNKNOWN. CONTRACTOR SHALL EXCAVATE TEST PITS AS DESIRED TO MAKE NECESSARY DETERMINATIONS OF CONSTRUCTION OBSTACLES.
7. CONTRACTOR RESPONSIBLE FOR NOTIFYING DESIGN ENGINEER AND OBTAINING APPROVAL OF ANY DEVIATIONS FROM PLANS. A MINIMUM OF 48 NOTICE TO ENGINEER IS REQUIRED. ADDITIONAL NOTIFICATION AND APPROVAL OF OTHER ENTITIES MAY ALSO BE REQUIRED AND CONTRACTOR SHALL ALLOW TIME FOR REVIEWS AND DECISIONS.
8. SHOP DRAWINGS AND CUT SHEETS FOR SITE WORK ITEMS AND EXTERIOR UTILITIES SHALL BE SUBMITTED TO THE CERTIFYING ENGINEER AT LEAST 1 WEEK PRIOR TO AND ACCEPTANCE OBTAINED PRIOR TO ORDERING ITEM.
9. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSPECTION SCHEDULE WITH CERTIFYING ENGINEER, DCWWA, DCDOBACH (DCDOH) AND TOWN.
10. CONTRACTOR IS RESPONSIBLE FOR COSTS OF ADDITIONAL WITNESSING OR INSPECTIONS OF REWORK OR RETESTING OF FAILED ITEMS.
11. ANY LOSS OF TIME OR EXPENSE CAUSED BY FAILURE OF CONTRACTOR TO SUBMIT SHOP DRAWINGS AND CUT SHEETS TO CERTIFYING ENGINEER AND/OR NOTIFY ALL WITNESSING ENTITIES WITH ADEQUATE ADVANCED NOTICE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. UPON COMPLETION OF THE FACILITIES, THE FINISHED WORKS SHALL BE INSPECTED, TESTED AND CERTIFIED COMPLETE TO THE DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY, DUTCHESS COUNTY HEALTH DEPARTMENT BY THE NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SUPERVISING CONSTRUCTION. NO PART OF THE FACILITIES SHALL BE PLACED INTO SERVICE UNTIL ACCEPTED BY THE DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY AND DUTCHESS COUNTY HEALTH DEPARTMENT.

SITE WATERMAIN OUTLINE SPECIFICATIONS:
1. PRIOR TO THE COMMENCEMENT OF ANY WORK ON THE WATER MAIN OR SERVICE FOR THIS PROJECT, A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE DCWWA AND THEY SHALL BE CONTACTED 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.
2. SHOP DRAWINGS AND CUT SHEETS FOR COMPONENTS AND SPECIFYING METER PIT WILL MEET MINIMUM H-20 LOAD RATINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE SITE CERTIFYING ENGINEER AT LEAST 1 WEEK PRIOR TO ORDERING MATERIAL.
3. THE PROPOSED WATER LINES SHALL BE CONSTRUCTED OF THICKNESS CLASS 52 DUCTILE IRON PIPE MEETING ANSI SPECIFICATIONS 1-21.50 AND A21.10 WITH FITTINGS BEING DUCTILE IRON ANSI SPECIFICATIONS A-21.10 AND A-21.11. ALL PIPE AND FITTINGS SHALL BE CEMENT MORTAR LINED AND BITUMINOUS COATED IN ACCORDANCE WITH AWWA SPECIFICATIONS C-104 AND C-106 RESPECTIVELY. INSTALLATION OF WATER MAINS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND AWWA SPECIFICATION C-600.
4. ALL OTHER WATER APPURTENANCES INCLUDING WATER LINE VALVES, VALVE BOXES CORPORATION STOPS AND CURB VALVES SHALL MEET DCWWA SPECIFICATIONS AND THE FOLLOWING:
   4.A. GATE VALVES (BURIED): MUELLER MODEL A-2361 MECHANICAL JOINT, RESILIENT SEAL, WEDGE GATE (COLOR – RED) MEETING AWWA SPECIFICATION C-500 OR APPROVED EQUAL.
   4.B. CORPORATION STOPS: MUELLER MODEL H-15008 "O" RING DESIGN OR APPROVED EQUAL (IF REQUIRED).
   4.C. CURB STOPS: 2" MUELLER MODEL H-15209 O" RING DESIGN OR APPROVE EQUAL (IF REQUIRED).
   4.D. CURB BOXES: MUELLER STYLE #110 OR APPROVED EQUAL (IF REQUIRED).
   4.E. SERVICE COUPLINGS: MUELLER MODEL H-15403 "O" RING DESIGN OR APPROVED EQUAL (IF REQUIRED).
5. RETAINER GLANDS SHALL BE EMPLOYED ON D.I. WATER SERVICE AT ALL DEAD ENDS, TEES, CHANGES IN PIPE DIRECTION OR FITTINGS.
6. AFTER INSTALLATION OF WATER MAINS AND WATER DISTRIBUTION APPURTENANCES, THE WATER SYSTEM SHALL BE HYDROSTATIC TESTED FOR PRESSURE AND LEAKAGE IN ACCORDANCE WITH SECTION 4 OF AWWA SPECIFICATION C-600. TEST PRESSURE AS DICTATED BY DCWWA, MINIMUM PRESSURE 150 PSI.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE DCWWA, DCDOBACH (DCDOH) AND CERTIFYING ENGINEER AT LEAST 72 HOURS PRIOR TO TESTING.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH RETESTING OR DELAYED TEST STARTS/COMPLETIONS INCLUDING BUT NOT LIMITED TO CERTIFYING ENGINEER, DCDOBACH (DCDOH) AND DCWWA STAFF TIME.
9. IMMEDIATE AREAS OF DISTURBED EXISTING WATER LINES AND NEW COMPONENTS SHALL BE DISINFECTED IN A MANNER ACCEPTABLE TO THE DCWWA AND ENGINEER.
10. IF ORDERED BY DCDOBACH (DCDOH), DCWWA OR ENGINEER, WATER MAINS SHALL BE DISINFECTED USING AN AQUEOUS SOLUTION OF CHLORINE HAVING RESIDUAL CONCENTRATION OF 25 PPM FOR AT LEAST 24 HOURS. IN ACCORDANCE WITH AWWA STANDARD C-651, USE OF TABLET METHOD ALONE IS NOT PERMITTED. AFTER FLUSHING, THE MAINS SHALL BE TESTED IN ACCORDANCE WITH AWWA TESTING AND RE-DISINFECTED, IF REQUIRED.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE DCWWA, DCDOBACH (DCDOH) AND CERTIFYING ENGINEER AT LEAST 72 HOURS PRIOR TO SAMPLING.
12. CONTRACTOR SHALL HIRE INDEPENDENT LAB TO TAKE SAMPLE. CONTRACTOR SHALL PAY FOR LAB SAMPLING FEE AND LAB TESTING FEES.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH RETESTING INCLUDING BUT NOT LIMITED TO CERTIFYING ENGINEER DCDOBACH (DCDOH), AND DCWWA STAFF TIME.
14. SEWER LINES AND WATER MAINS SHALL BE SEPARATED BY MINIMUM 10' EDGE TO EDGE HORIZONTAL DISTANCE. AT CROSSINGS OF SEWER AND WATER MAINS, THERE SHALL BE A MINIMUM 18" EDGE TO EDGE VERTICAL SEPARATION.
15. WATER METERS FOR PROPOSED PROJECT ARE TO BE SUPPLIED BY THE CONTRACTOR

STANDARD DCDOBACH (DCDOH) NOTES FOR WATER SYSTEMS:

THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:

'RECOMMENDED STANDARDS FOR WATER WORK'S (TEN STATES)'
'RURAL WATER SUPPLY,' NEW YORK STATE DEPARTMENT OF HEALTH.'
NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY DEPARTMENT OF BEHAVIORAL & COMMUNITY HEALTH POLICIES, PROCEDURES AND STANDARDS.'
'DUTCHESS COUNTY DEPARTMENT OF BEHAVIORAL & COMMUNITY HEALTH SANITARY CODE, ARTICLE XI AND ARTICLE V.'
'DUTCHESS COUNTY DEPARTMENT OF BEHAVIORAL & COMMUNITY HEALTH CERTIFICATE OF APPROVAL LETTER.'

THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES.

UPON COMPLETION OF THE FACILITIES, THE FINISHED WORKS SHALL BE INSPECTED, TESTED, AND CERTIFIED COMPLETE TO THE DUTCHESS COUNTY HEALTH DEPARTMENT BY THE NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SUPERVISING CONSTRUCTION. NO PART OF THE FACILITIES SHALL BE PLACED INTO SERVICE UNTIL ACCEPTED BY THE DUTCHESS COUNTY HEALTH DEPARTMENT.

APPROVAL OF ANY PLAN(S) OR AMENDMENT THERETO SHALL BE VALID FOR A PERIOD OF FIVE (5) YEARS FROM THE DATE OF APPROVAL. FOLLOWING THE EXPIRATION OF SAID APPROVAL, THE PLAN(S) SHALL BE RE-SUBMITTED TO THE COMMISSIONER OF HEALTH FOR CONSIDERATION FOR RE-APPROVAL. RE-SUBMISSION OR REVISED SUBMISSION OF PLANS AND/OR ASSOCIATED DOCUMENTS SHALL BE SUBJECT TO COMPLIANCE WITH THE TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES IN EFFECT AT THE TIME OF THE RE-SUBMISSION.

ALL WELLS AND SDS EXISTING OR APPROVED WITHIN 200 FEET OF THE PROPOSED WELLS AND SDS ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE SDS AND WELL.

THE UNDERSIGNED OWNERS OF THE PROPERTY HEREON STATE THAT THEY ARE FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

– ADDITIONAL NOTES FOR DISTRIBUTION SYSTEMS –
ALL SERVICE LINES ARE THE RESPONSIBILITY OF THE HOMEOWNER UP TO THE PROPERTY LINE. THE WATER COMPANY SHALL BE RESPONSIBLE FOR ALL VALVES AND PIPES WHICH ARE NOT ON THE HOMEOWNER'S PROPERTY.

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LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR
LICENSED ALL SURVEYORS INCLUDE A PLAN BEARING A RAISED SEAL OF A LICENSED SURVEYOR AS PER SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW