AIA® Document G710™ – 2017

Architect's Supplemental Instructions

PROJECT: *(name and address)*
57-21113-00 - Rebid Dutchess Stadium
New Left Field Clubhouse, Seating Bowl,
& Restroom Building

CONTRACT INFORMATION:
Contract For: General Construction

Date:

ASI INFORMATION:
ASI Number: 011

Date: November 7, 2023

OWNER: *(name and address)*
Dutchess County
22 Market Street
Poughkeepsie, NY 12601

ARCHITECT: *(name and address)*
DLR Group Architecture and Engineering,
P.C., a New York professional corporation
33 East 33rd Street, Suite 401
New York, NY 10016

CONTRACTOR: *(name and address)*
Piazza, Inc.
3 W Stevens Avenue
Hawthorne, NY 10532

The Contractor shall carry out the Work in accordance with the following supplemental instructions without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgment that there will be no change in the Contract Sum or Contract Time.
(Insert a detailed description of the Architect's supplemental instructions and, if applicable, attach or reference specific exhibits.)

Modify the Contract Documents per the attachments and generally as follows:

1. Sheet G0.00ii - COVER SHEET
   a. Modifications per the attached sheet.
2. Sheet G0.01ii - INDEX OF DRAWINGS
   a. Modifications per the attached sheet.
3. Sheet C0.1.ii - CIVIL GENERAL NOTES
   a. Modifications per the attached sheet.
4. Sheet C0.1.iii - CIVIL UTILITY NOTES
   a. Modifications per the attached sheet.
5. Sheet C4.1.ii - CIVIL UTILITY PLAN 1
   a. Modifications per the attached sheet.
6. Sheet C5.1.ii - CIVIL DETAILS
   a. Modifications per the attached sheet.
7. Sheet C5.1.iii - CIVIL DETAILS 2
   a. Modifications per the attached sheet.
8. Sheet A1.2A.ii - FLOOR PLAN - AREA A - LEVEL 2
   a. Modifications per the attached sheet.
9. Sheet A2.1.ii - FIRE PROTECTION PLANS - AREA A
   a. Modifications per the attached sheet.
10. Sheet FP1.1A.ii - ENLARGED FLOOR PLANS
    a. Modifications per the attached sheet.
11. Sheet P0.1.ii - GENERAL NOTES, PLUMBING SYMBOLS & ABBREVIATIONS
    a. Modifications per the attached sheet.
12. Sheet P1.1A.1.ii - UNDERGROUND PLUMBING PLAN - AREA A - DOMESTIC
    a. Modifications per the attached sheet.
13. Sheet P1.1A.2.ii - UNDERGROUND PLUMBING PLAN - AREA A - DRAINAGE
    a. Modifications per the attached sheet.
14. Sheet P2.1A.ii - PLUMBING PLAN - AREA A- LEVEL 1
    a. Modifications per the attached sheet.
15. Sheet P2.1A.1.ii - PLUMBING PLAN - AREA A- LEVEL 1 - DOMESTIC
    a. Modifications per the attached sheet.
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17. Sheet P2.2A.1.ii - PLUMBING PLAN - AREA A- LEVEL 2 - DOMESTIC
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19. Sheet P3.1.ii - ENLARGED PLUMBING PLANS AND SECTIONS
    a. Modifications per the attached sheet.
20. Sheet P5.1.ii - PLUMBING DETAILS
    a. Modifications per the attached sheet.
21. Sheet P6.1.ii - PLUMBING SCHEDULES
    a. Modifications per the attached sheet.

Attachment(s):
Revised Sheet G0.00ii - COVER SHEET
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Revised Sheet P5.1.ii - PLUMBING DETAILS
Revised Sheet P6.1.ii - PLUMBING SCHEDULES

ISSUED BY THE ARCHITECT:

DLR Group Architecture and Engineering, P.C., a New York professional corporation
ARCHITECT *(Firm name)*

SIGNATURE

Bob Carlson, AIA, LEED AP, Principal
PRINTED NAME AND TITLE

November 7, 2023
DATE

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

1500 ROUTE 9D FISHKILL, NY 12590

TAX PARCEL #133089-6055-01-182629

SINGLE PRIME CONTRACT RFB-DCB-18-22

NOVEMBER 4, 2022

MARCUS J. MOLINARO
DUTCHESS COUNTY EXECUTIVE

ROBERT H. BALKIND, P.E.
DUTCHESS COUNTY DPW COMMISSIONER

OWNER: DUTCHESS COUNTY
22 MARKET STREET POUGHKEEPSIE, NY 12601

DLR Group
Architecture Engineering Planning Interiors

ARCHITECTURE & INTERIOR DESIGN
MECHANICAL & PLUMBING ENGINEERING
ELECTRICAL ENGINEERING
AUDIOVISUAL

HVEA ENGINEERS

CIVIL ENGINEERING

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.

LANDSCAPE ARCHITECTURE

FOOD LINES
FOOD SERVICE DESIGN CONSULTANTS
110 S. 14th Street, Suite 200
Lincoln, NE 68508
Tel 402.475.1787

PROJECT LOCATION MAP

DLR Group © DLR Group

REGISTERED ARCHITECT
STATE OF NEW YORK

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22
REVISIONS

1	CONSTRUCTION DOCS	03.06.23
2	ASI 001	04.07.23
3	ASI 011	11.07.23

57-21113-00

COVER SHEET

G0.00.ii

BIM 360://57-21113-00_Dutchess Stadium Ph II/57-21113-00_Dutchess_Stadium_PhII_AR_2020.rvt
11/7/2023 11:48:33 AM

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SCHEDULE OF ALTERNATES

ALTERNATE NO.	ALTERNATE DESCRIPTION
DEDUCT ALTERNATE NO. 1	REMOVE LEVEL 02 INDOOR CLUB, KITCHEN, AUXILIARY SPACES, AND OUTDOOR SEATING AREA.
DEDUCT ALTERNATE NO. 2	NOT USED.
DEDUCT ALTERNATE NO. 3	REMOVE CONCOURSE TOILET BUILDING.
DEDUCT ALTERNATE NO. 4	NOT USED.
DEDUCT ALTERNATE NO. 5	ASPHALT MILLINGS PARKING LOT.
DEDUCT ALTERNATE NO. 6	NOT USED.
DEDUCT ALTERNATE NO. 7	REMOVE CONCRETE STADIA SEATING BOWL EXTENSION.
DEDUCT ALTERNATE NO. 8	REMOVE TERRACED CONCRETE STADIA SEATING BOWL.

DLR Group

REGISTERED ARCHITECT
ROBERT JOESPH CARLSON
STATE OF NEW YORK
028463
11/07/23
[illegible]

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601

1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22

REVISIONS

1	ADD 01	12.09.22
2	CONSTRUCTION DOCS	03.06.23
3	ASI 003	05.12.23
4	ASI 005	07.14.23
5	ASI 011	11.07.23

57-21113-00

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G0.01.ii

GENERAL NOTES:

CONSTRUCTION AND MATERIALS SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING WITH CURRENT ADDITIONS AND MODIFICATIONS.

1. THE CONTRACTOR IS TO VISIT THE SITE BEFORE BIDDING TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO JUDGE FOR HIMSELF THE EXTENT AND NATURE OF THE WORK TO BE DONE UNDER THIS CONTRACT. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR BECAUSE OF THE CONTRACTOR'S FAILURE TO INCLUDE IN HIS BID ALL ITEMS AND MATERIALS WHICH HE IS REQUIRED TO FURNISH IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS ADVISED THAT HE MUST HAVE IN HIS POSSESSION, A SET OF CONTRACT PLANS/PROPOSAL FOR IDENTIFICATION PURPOSES WHEN CONDUCTING THIS SITE VISIT.

2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.

3. THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD, ALL CONDITIONS AND DIMENSIONS. DIMENSIONS OF THE EXISTING STRUCTURES SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND LIMITED FIELD SURVEY AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL SUCH FIELD MEASUREMENTS TO ASSURE PROPER FIT OF THE FINISHED WORK, AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE ENGINEER. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS MADE SHALL BE INDICATED ON THE SHOP DRAWINGS SUBMITTED FOR REFERENCE OF THE REVIEWER.

4. THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK MAY BE REQUIRED AS THE CONTRACT PROGRESSES, WHICH IS NOT SHOWN OR NOTED ON THE PLANS. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR AS ORDERED BY THE ENGINEER, AND PAID ON A TIME AND MATERIALS BASIS AS APPROVED BY THE OWNER.

5. WORK PERTAINING TO MODIFICATIONS, AS MAY BE REQUIRED, DUE TO ANY DIFFERENCE BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN BY THE DETAILS AND DIMENSIONS ON THE CONTRACT PLANS, WILL BE PAID AT THE UNIT BID PRICE FOR THE ACTUAL QUANTITIES OF MATERIALS USED OR FOR THE WORK PERFORMED, AS INDICATED BY THE VARIOUS ITEMS IN THE CONTRACT.

6. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING FACILITY CAUSED BY HIS OPERATIONS WHICH IS NOT INCLUDED AS PART OF THE INTENDED WORK. ALL DAMAGE TO THE EXISTING FACILITY WHICH IS NOT PART OF THE INTENDED WORK SHALL BE REPAIRED BY THE CONTRACTOR WITHOUT COST TO THE OWNER, AND TO THE SATISFACTION OF THE ENGINEER.

7. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED AS DETERMINED BY THE ENGINEER. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES NOT SPECIFICALLY CALLED OUT TO BE REMOVED ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

8. THE CONTRACTOR WILL PROTECT EXISTING PROPERTY LINE ORNAMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.

9. THE PARKING LOT DRIVEWAY LOCATIONS SHOWN REPRESENTS THEIR DESIRED LOCATION. THE CONTRACTOR SHALL LAY OUT THE PARKING LOT AND DRIVEWAYS TO FOLLOW THE GIVEN ALIGNMENTS. MODIFICATIONS HORIZONTALLY AND/OR VERTICALLY WILL BE PERMITTED AS APPROVED BY THE ENGINEER. ONCE THE PARKING LOT AND TRAILHEAD LAYOUT IS COMPLETED THE CONTRACTOR SHALL COORDINATE A MEETING WITH THE ENGINEER FOR THE APPROVAL OF THE ALIGNMENT PRIOR TO THE BEGINNING OF ANY WORK OR THE ORDERING OF MATERIALS.

10. LOCATION OF PUBLIC AND/OR PRIVATE UTILITIES, INDICATED AS EXISTING AND/OR TO BE CONSTRUCTED AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THEIR EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE THE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION.

11. IN THE EVENT THAT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, HE SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE HIS WORK OPERATION UNTIL SERVICE IS RESTORED.

12. THE METHOD OF EXCAVATION AND/OR DEMOLITION IN THE IMMEDIATE VICINITY OF UNDERGROUND UTILITIES SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. HAND DIGGING MAY BE REQUIRED.

13. THE CONTRACTOR SHALL PROTECT HIS WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.

14. THE CONTRACTOR IS ADVISED THAT ADDITIONAL NOTES WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC SHEETS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES USED HEREIN.

15. THE HORIZONTAL COORDINATE SYSTEM IS BASED ON NEW YORK STATE PLANE.

16a. ALL WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE WITHIN THE PUBLIC RIGHT-OF- WAY (ROW) AND STADIUM PROPERTY. THE CONTRACTOR IS TO ASSURE HIMSELF THAT ALL WORK IS BEING PERFORMED WITHIN THE ROW AND PROPERTY, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS; STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE; LANDSCAPING; VEGETATION REMOVAL AND MANAGEMENT; GRADING, SEEDING AND THE INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIER.

16b. IF THE CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE PROPERTY AND/OR RIGHT-OF-WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST IDENTIFY AND CERTIFY THOSE LIMITS WITH THE ASSISTANCE OF A LICENSED LAND SURVEYOR BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS SURVEY.

16c. RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING PROPERTY OR RIGHT-OF-WAY, INCLUDING PLANTINGS, LANDSCAPING OR DRIVEWAY ENHANCEMENT, WILL BE PROVIDED BY THE PROJECT ENGINEER AND IN NO INSTANCE ARE TO BE SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT INVADE UPON PRIVATE PROPERTIES, LANDS OR BUILDINGS FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER.

16d. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE. ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORILY REPAIRED OR ITEMS REPLACED AT THE CONTRACTOR'S EXPENSE.

17. ANY SILT FENCE AND VEGETATION PROTECTION BARRIER SHOWN BEYOND THE PROPERTY OR RIGHT-OF-WAY LINE IS FOR PLAN CLARITY ONLY. ALL SILT FENCE AND VEGETATION PROTECTION BARRIER WILL BE PLACED WITHIN THE PROPERTY.

18. ENDANGERED SPECIES NOTES:

TREE PROTECTION FOR ENDANGERED SPECIES

THE AREA BENEATH THE DRIP LINE OF ALL TREES WITH A TRUNK DIAMETER OF 3 INCHES OR GREATER LOCATED OUTSIDE OF THE PROJECT CLEARING LIMITS OR IN PROXIMITY TO STAGING AND STOCKPILING AREAS SHALL NOT BE DISTURBED. DISTURBANCE INCLUDES REMOVING TREES, STOCKPILING MATERIAL, STORING EQUIPMENT, OR DRIVING AND PARKING VEHICLES BENEATH THE DRIP LINE OF TREES. ADDITIONAL TREES REQUIRING PROTECTION MAY BE DESIGNATED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT A PLAN FOR APPROVAL SHOWING THE PROPOSED STAGING, STORAGE AND STOCKPILE AREAS FOR EACH SITE PRIOR TO PLACEMENT OF ANY EQUIPMENT OR MATERIALS AT THE SUBJECT AREA.

19. TREE REMOVAL PROHIBITION

REMOVAL OF TREES NOT SPECIFIED FOR REMOVAL WITH A TRUNK DIAMETER OF 3 INCHES OR GREATER IS PROHIBITED, UNLESS COORDINATED AND APPROVED.

20. TIME OF YEAR CUTTING RESTRICTIONS FOR INDIANA BAT AND NORTHERN LONG-EARED BAT.

IN ORDER TO PREVENT ANY DIRECT TAKINGS OF INDIANA BAT (MYOTIS SODALIS), A FEDERAL AND STATE LISTED ENDANGERED SPECIES AND NORTHERN LONG-EARED BAT (MYOTIS SEPTENTRIONALIS), A FEDERAL AND STATE LISTED THREATENED SPECIES, THE CONTRACTOR'S ATTENTION IS HEREBY DIRECTED TO THE FACT THAT TREE CUTTING SHALL ONLY BE PERFORMED FROM NOVEMBER 1 THROUGH MARCH 31. TIME OF YEAR TREE CUTTING RESTRICTIONS APPLY TO TREES THAT ARE 3 INCHES OR GREATER DIAMETER AT BREAST HEIGHT (DBH).

21. MIGRATORY BIRD PROTECTION NOTE UNDER THE MIGRATORY BIRD TREATY ACT (MBTA), IT IS UNLAWFUL BY ANY MEANS OR MANNER TO INTENTIONALLY TAKE, CAPTURE, OR KILL ANY MIGRATORY BIRD UNLESS A PERMIT IS FIRST SECURED. VIOLATIONS OF MBTA REGULATIONS ARE SUBJECT TO PENALTIES OF UP TO $15,000 AND SIX MONTHS IMPRISONMENT.

PROTECTED MIGRATORY BIRDS INCLUDE ALL WATERFOWL, HERONS, HAWKS, OWLS, EAGLES AND SONGBIRDS, INCLUDING SWALLOWS ROBINS, AND EASTERN PHOEBES. THEIR FEATHERS, NESTS, AND EGGS ARE ALSO PROTECTED UNDER THE MBTA.

EXEMPT FROM THE MBTA ARE ROCK DOVES (DOMESTIC PIGEONS), HOUSE SPARROWS (ENGLISH SPARROWS), EUROPEAN STARLINGS, AND MONK PARAKEETS. NON-NATIVE HUMAN-INTRODUCED BIRD SPECIES ARE NOT PROTECTED BY MBTA. ALTHOUGH THESE SPECIES ARE NOT PROTECTED UNDER THE MBTA, THEY SHOULD STILL BE TREATED AS HUMANELY AS POSSIBLE. IF ANY BIRD NESTS ARE ENCOUNTERED PRIOR TO OR DURING WORK CONTACT THE ENGINEER-IN-CHARGE (EIC) IMMEDIATELY.

AREAS SCHEDULED FOR WORK FROM APRIL 15 TO AUGUST 15 (THE PERIOD IN WHICH NESTS ARE TYPICALLY FOUND WITH EGGS OR UNFLEDGED CHICKS) SHALL BE INSPECTED FOR BIRD NESTING ACTIVITY PRIOR TO COMMENCING ANY WORK ACTIVITY. IF THE NEST(S) IS DETERMINED TO BE OCCUPIED, AVOID DISTURBING, DAMAGING OR REMOVING THE NEST UNTIL THE YOUNG ARE FLEDGED (LEAVE THE NEST). AT NO TIME SHOULD THE NESTS OF HAWKS, FALCONS OR EAGLES BE DESTROYED, AS THESE SPECIES RETURN TO THE SAME NEST SITE YEAR AFTER YEAR AND REUSE THE SAME NEST AFTER FLEDGING OCCURS (OF SPECIES OTHER THAN HAWKS, FALCONS OR EAGLES), AND ALL NESTING ACTIVITY IS BELIEVED TO HAVE CEASED (TYPICALLY INDICATED BY ADULT BIRDS MOVING TO AND FROM THE NEST), THEN THE NEST(S) CAN BE PRESUMED TO BE UNOCCUPIED AND CAN BE REMOVED SO THAT WORK MAY PROCEED. UNOCCUPIED NEST(S) SHOULD BE REMOVED AS QUICKLY AS POSSIBLE TO PREVENT BIRDS FROM BEGINNING A SECOND NEST BROOD AT THE SAME LOCATION.

FROM AUGUST 16 TO APRIL 14 NESTS CAN BE PRESUMED TO BE UNOCCUPIED AND CAN BE REMOVED AFTER CONFIRMING THAT THE NEST IS INDEED INACTIVE.

IF THERE ARE ANY QUESTIONS REGARDING HOW TO PROCEED WITH NESTING MIGRATORY BIRDS, IMMEDIATELY CONTACT THE ENGINEER. NO NESTS OF PROTECTED MIGRATORY BIRDS SHALL BE REMOVED OR DISTURBED IN ANY WAY WITHOUT PERMISSION FROM THE ENGINEER.

22. UTILITY COORDINATION

THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH APPLICABLE UTILITY OWNERS IN ORDER TO PROVIDE AND INSTALL PROPOSED UTILITY CONNECTIONS.

UTILITY QUALITY LEVEL DESCRIPTION:

QUALITY LEVEL A - THE HIGHEST DEGREE OF ACCURACY; THE UTILITY INFORMATION ON THE CONTRACT PLANS HAS BEEN LOCATED AND VERIFIED BY EXCAVATION, WHEN APPROPRIATE.
(SHOWN AS QLA)

QUALITY LEVEL B - SUBSURFACE GEOPHYSICAL LOCATING TECHNIQUES (IE. UNDERGROUND CAMERAS, RADAR, SONAR, TONE OUTS, ETC.) AND EXISTING RECORD PLANS HAVE BEEN USED TO LOCATE UTILITIES. NO EXCAVATIONS WERE PERFORMED. (SHOWN AS QLB)

QUALITY LEVEL C - RECORD INFORMATION PROVIDED BY UTILITY OWNERS WAS PLOTTED ON THE CONTRACT PLANS. DEPTHS WERE NOT FIELD VERIFIED. PHYSICAL SURFACE FEATURES LIKE MANHOLES, VALVE BOXES, AND HYDRANTS HAVE BEEN FIELD LOCATED.
(SHOWN AS QLC)

QUALITY LEVEL D - EXISTING CITY AND UTILITY COMPANY RECORDS WERE USED TO LOCATE SUBSURFACE UTILITIES. (SHOWN AS QLD)

THE UTILITY QUALITY LEVEL FOR THE PROJECT AREA IS QUALITY LEVEL D.

DLR Group

STATE OF NEW YORK BRENDAN T. FITZPATRICK No. 074115 LICENSED PROFESSIONAL ENGINEER

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22
REVISIONS
1 CONSTRUCTION DOCS 03.06.23

57-21113-00

CIVIL GENERAL NOTES

C0.1.ii

UTILITY NOTES

1. 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:

   "NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS", NYSDEC
   "RECOMMENDED STANDARDS FOR SEWAGE TREATMENT WORKS, (TEN STATES)."
   "RECOMMENDED STANDARDS FOR WATER WORKS, (TEN STATES)."
   "NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION POLICIES, PROCEDURES AND STANDARDS."
   "DUTCHESS COUNTY AND NEW YORK STATE SANITARY CODES."
   "DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION CERTIFICATE OF APPROVAL LETTER."

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

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

4. 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.

5. NO CELLAR, FOOTING, FLOOR, GARAGE, COOLER OR ROOF DRAINS SHALL BE DISCHARGED INTO THE SEWAGE COLLECTION SYSTEM.

6. ALL BUILDINGS SHALL BE CONSTRUCTED AT AN ELEVATION HIGH ENOUGH TO ENSURE GRAVITY FLOW TO THE SEWAGE COLLECTION SYSTEM.

7. ALL REQUIRED EROSION & SEDIMENT CONTROL AND STORMWATER POLLUTION PREVENTION WATER QUALITY & QUANTITY CONTROL STRUCTURES, PERMANENT AND TEMPORARY, ARE SHOWN ON THE PLANS.

8. THE DC EHSD SHALL BE NOTIFIED SIXTY DAYS PRIOR TO ANY CHANGE IN USE; USE CHANGES MAY REQUIRE REAPPROVAL BY THE DC EHSD.

9. NO BUILDINGS ARE TO BE OCCUPIED AND THE NEW WATER SYSTEM SHALL NOT BE PLACED INTO SERVICE, UNTIL A "COMPLETED WORKS APPROVAL"IS ISSUED UNDER SECTION 5-1.22(D) OF PART 5 OF THE NEW YORK STATE SANITARY CODE (10NYCRR5).

10. NO BUILDINGS ARE TO BE OCCUPIED AND THE NEW WASTEWATER COLLECTION SYSTEM SHALL NOT BE PLACED INTO SERVICE UNTIL, A "CERTIFICATE OF CONSTRUCTION COMPLIANCE"IS ISSUED UNDER SECTION 19.7 OF ARTICLE 19 OF THE DUTCHESS COUNTY SANITARY CODE.

11. ALL SERVICE LINES ARE THE RESPONSIBILITY OF THE OWNER UP TO THE PROPERTY LINE. THE WATER AND SEWER COMPANIES SHALL BE RESPONSIBLE FOR ALL VALVES AND PIPES WHICH ARE NOT ON THE OWNER'S PROPERTY.

12. 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.

SEWER TESTING NOTES

TESTING REQUIREMENTS FOR THE SEWER COLLECTION SYSTEM:

10 STATE STANDARDS FOR DEFLECTION TESTING

AFTER THE SANITARY SEWER PIPES AND MANHOLES HAVE BEEN INSTALLED AND BACKFILLED, THE CONTRACTOR SHALL TEST THE COMPLETED WORKS IN THE PRESENCE AND TO THE SATISFACTION OF THE ENGINEER. THE FOLLOWING TESTING PROCEDURES SHALL BE USED TO TEST THE COMPLETED WORKS.

DEFLECTION TEST

DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE SYSTEM.

NO PIPE SHALL EXCEED A DEFLECTION OF 5 PERCENT. IF DEFLECTION EXCEEDS 5 PERCENT, THE PIPE SHALL BE EXCAVATED. REPLACEMENT OR CORRECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH REQUIREMENTS IN THE APPROVED SPECIFICATIONS.

THE RIGID BALL OR MANDREL USED FOR THE DEFLECTON TEST SHALL HAVE A DIAMETER NOT LESS THAN 95 PERCENT OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED. THE TEST SHALL BE PREFORMED WITHOUT MECHANICAL PULLING DEVICES.

NYSDEC - SEWER AND MANHOLE LEAKAGE TESTS

SEWER TESTING NOTES (CONT.)

LOW-PRESSURE AIR AND VACUUM TESTING

THE PROPER PROCEDURE FOR LOW-PRESSURE AIR TESTING OF SANITARY SEWERS IS DESCRIBED IN ASTM C828 FOR VITRIFIED CLAY PIPE, ASTM C924 FOR CONCRETE PIPE, AND ASTM F1417 FOR PLASTIC PIPE. THE GENERAL PROCEDURE DESCRIBED IN THE ASTM C828 FOR LOW-PRESSURE AIR TESTING OF VITRIFIED CLAY PIPE MAY BE USED FOR OTHER SANITARY SEWER PIPE MATERIAL NOT MENTIONED ABOVE AND IS NOT LIMITED TO A MAXIMUM DIAMETER OF 12 INCHES. THE PARAMETER TO BE MEASURED IS THE RATE OF AIR LOSS BASED ON THE AVERAGE TEST PRESSURE OF 3.0 PSIG ABOVE ANY HYDROSTATIC PRESSURE DUE TO ANY GROUNDWATER THAT MAY BE OVER THE PIPE. IT IS EXTREMELY IMPORTANT THE VARIOUS TEST PLUGS BE PROPERLY INSTALLED AND BRACED TO PREVENT BLOWOUTS. IT IS ALSO IMPORTANT TO MAINTAIN ADEQUATE PRESSURE RELIEF VALVES TO PREVENT OVER-PRESSURIZING THE SYSTEM. A MAXIMUM RELIEF PRESSURE OF 10 PSI IS SUGGESTED IN MOST LITERATURE.

ALTHOUGH LINE TESTING MAY BE DONE AT ANY TIME DURING THE CONSTRUCTION PHASE, THERE ARE TWO PERIODS WHEN TESTING IS OF SPECIAL VALUE:

1. PRIOR TO PLACEMENT OF PAVING MATERIALS, TO AVOID UNNECESSARY EXPENSE IN LOCATION AND REPAIRING LEAKS

2. AFTER WORK HAS BEEN COMPLETED AND SOME SETTLEMENT HAS HAD A CHANCE TO OCCUR THIS LATER PERIOD IS THE APPROPRIATE TIME FOR THE FINAL LINE ACCEPTANCE TEST, BECAUSE SIGNIFICANT DAMAGE CAN OCCUR AFTER BACKFILL FROM SUBSEQUENT SETTLING.

ALL PORTIONS OF A NEW SEWAGE SYSTEM SHOULD BE TESTED, INCLUDING ANY BUILDING SEWERS THAT MAY BE CONSTRUCTED IN CONJUNCTION WITH THE MAIN LINES.

AIR TESTING FOR CONCRETE SEWER MANHOLES SHOULD CONFORM TO EITHER THE TEST PROCEDURES DESCRIBED IN ASTM C1244 - STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE AIR PRESSURE (VACUUM) TEST PRIOR TO BACKFILL OR THE VACUUM TESTING SPECIFICATIONS GIVEN THE TR-16. MANHOLES WHICH CANNOT BE PROPERLY AIR (VACUUM) TESTED BY THE ASTM OR TR-16 PROCEDURE SHOULD BE VISUALLY INSPECTED AND LEAKAGE TESTED USING INTERNAL OR EXTERNAL HYDROSTATIC PRESSURE.

HYDROSTATIC PRESSURE

ALL CONVENTIONAL GRAVITY SEWERS, MANHOLES AND CLEANOUTS SHOULD BE TESTED BY ANY STANDARD METHOD AFTER BEING FLUSHED AND BEFORE BEING USED. ONE PROCEDURE FOR HYDROSTATIC TESTING OF SANITARY SEWERS IS DESCRIBED IN AWWA C600, HYDROSTATIC TESTING. DEPENDING UPON THE GROUNDWATER TABLE ELEVATION, EITHER AN INFILTRATION OR EXFILTRATION METHOD MAY BE USED. THE MAXIMUM RATE OF INFILTRATION/EXFILTRATION SHOULD NOT EXCEED 100 GALLONS PER INCH DIAMETER PER MILE PER DAY, UNDER A MINIMUM POSITIVE HEAD OF TWO FEET AS GIVEN IN TEN STATES STANDARDS. MANHOLE SHOULD BE CONSTRUCTED TO BE WATER TIGHT AND TESTED FOR TIGHTNESS IN ACCORDANCE WITH TEN STATES STANDARDS OR TR-16.

AIR TEST - ASTM F1417 FOR PLASTIC PIPE

DETERMINE THE DURATION OF THE TEST BY USING THE FORMULA FOUND BELOW OR BY CONSULTING THE ACCOMPANYING TABLES AT THE END OF THE SECTION.

T=0.085 DK/Q

WHERE: T = SHORTEST TIME IN SECONDS ALLOWED FOR THE AIR PRESSURE TO DROP 1.0 PSIG (OR .5 PSIG IN CIRCUMSTANCES WHERE A SHORTED TEST DURATION IS DESIRED)
K = .000419 DL, BUT NOT LESS THAN 1.0
Q = .0015 CUBIC FEET/MINUTE/SQUARE FOOT INTERNAL PIPE SURFACE AREA
D = NOMINAL PIPE DIAMETER IN INCHES
L = LENGTH OF PIPE BEING TESTED IN FEET

3. BEGIN THE TEST BY CONNECTING THE AIR SOURCE TO THE INLET TAP. SLOWLY ADD AIR UNTIL THE INTERNAL PRESSURE OF THE TEST SECTION REACHES A PRESSURE 4.0 PSIG GREATER THAN THE AVERAGE BACK PRESSURE OF ANY GROUNDWATER ABOVE THE PIPE AS LONG AS THE INTERNAL PRESSURE DOES NOT EXCEED 9.0 PSIG. IF GROUND WATER BACK PRESSURE EXISTS, IT MUST BE QUANTIFIED BY THE ENGINEER PRIOR TO TESTING.

4. AFTER THE CONSTANT PRESSURE OF 4.0 PSIG (GREATER THAN THE ABOVE GROUND WATER BACK PRESSURE) IS ATTAINED, THE AIR SUPPLY SHOULD BE CONTROLLED TO KEEP THE PRESSURE AT 4.0 PSIG (GREATER THAN THE AVERAGE GROUND WATER BACK PRESSURE) FOR AT LEAST TWO MINUTES ALLOWING THE ENTERING AIR'S TEMPERATURE TO REACH EQUILIBRIUM WITH THE TEMPERATURE OF THE PIPE WALL.

5. ONCE THE PRESSURE HAS STABILIZED TO 4.0 PSIG (GREATER THAN THE AVERAGE GROUND WATER BACK PRESSURE) DISCONNECT THE AIR SUPPLY ROM THE CONTROL PANEL. OBSERVE THE CONTINUOUS MONITORING GAGE AND DECREASE THE INTERNAL PRESSURE TO NO LESS THAN 3.5 PSIG (GREATER THAN THE AVERAGE GROUND WATER BACK PRESSURE). AT A READING OF 3.5 PSIG OR WITHIN THE RANGE OF 3.5 TO 4.0 PSIG, STOP DECREASING THE PRESSURE AND COMMENCE TIMING WITH A STOPWATCH OR ANY OTHER TIMING DEVICE CAPABLE OF BEING 99.8 PERCENT ACCURATE.

6. ONCE THE PREDETERMINED TIME PERIOD FROM THE FORMULA OR TABLE ABOVE HAS ELAPSED, OBSERVE THE CONTINUOUS MONITORING GAGE TO OBTAIN THE AMOUNT OF PRESSURE LOST DURING THE TEST DURATION. IF THE PRESSURE DROP IS FOUND TO BE LESS THAN 1.0 PSIG (OR 0.5 PSIG IN CIRCUMSTANCES WHERE A SHORTER TEST DURATION IS DESIRED), THE SECTION IS PRESUMED TO BE FREE OF ANY LEAKS OR DEFECTIVE JOINTS. IF THE PRESSURE DROP IS 1.0 PSIG OR GREATER (OR 0.5 PSIG IN CIRCUMSTANCES WHERE A SHORTER TEST DURATION IS DESIRED), THE TEST SECTION HAS FAILED DUE TO EXCESSIVE PRESSURE LOSS, WHEN LOW-PRESSURE AIR TESTING OF A SEWER LINE RESULTS IN A FAILURE THE CONTRACTOR, AT HIS/HER OWN EXPENSE, SHALL DETECT THE LEAK OR DEFECT AND REPAIR OR REPLACE WHATEVER IS NECESSARY TO REMEDY SUCH DEFECT IN A MANNER ACCEPTABLE TO THE OWNER.

WATER TESTING NOTES:

WATER MAIN TESTING

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT AND SHALL PERFORM ALL WORK REQUIRED IN CONNECTION WITH ALL TESTING AS SPECIFIED HERIN. ALL PIPE SHALL BE TESTED BY HYDROSTATIC PRESSURE, FIFTY (50) PERCENT IN EXCESS OF NORMAL PSI WORKING PRESSURE BUT NOT LESS THAN 150 PSI OR MORE THAN THE DESIGN RATING OF THE PIPE OR APPURTENANCE, IN ACCORDANCE WITH AWWA SPECIFICATION C-600-05. THE TEST PRESSURE SHALL BE DETERMINED BY THE WATER AUTHORITY AND/OR OWNER'S FIELD REPRESENTATIVE. EACH SECTION TESTED SHALL BE SLOWLY FILLED WITH WATER, CARE BEING TAKEN TO EXPEL ALL AIR FROM THE PIPES. IF NECESSARY, THE PIPES SHALL BE TAPPED AT HIGH POINTS TO VENT THE AIR. REQUIRED PRESSURE, AS MEASURED AT THE POINT OF LOWEST ELEVATION, SHALL BE APPLIED FOR NOT LESS THAN TWO (2) HOURS, AND ALL PIPE FITTINGS, VALVES, HYDRANTS AND JOINTS SHALL BE CAREFULLY EXAMINED FOR DEFECTS. LEAKY JOINTS SHALL BE MADE WATERTIGHT.

A LEAKAGE TEST SHALL ALSO BE CONDUCTED IN ACCORDANCE WITH AWWA SPECIFICATION C-600-05. PERMISSIBLE LEAKAGE SHAL BE IN ACCORDANCE WITH AWWA C-600-05

TESTING ALLOWANCE SHALL BE DEFINED AS THE MAXIMUM QUANTITY OF MAKEUP WATER THAT IS ADDED INTO A PIPELINE UNDERGROUND HYDROSTATIC PRESSURE TESTING, OR ANY VALVED SECTION THERE OF, IN ORDER TO MAINTAIN PRESSURE WITHIN ±5 PSI OF THE SPECIFIC TEST PRESSURE (AFTER THE PIPELINE HAS BEEN FILLED WITH WATER AND THE AIR HAS BEEN EXPELLED). NO PIPE INSTALLATION WILL BE ACCEPTED IF THE QUANTITY OF MAKEUP WATER IS GREATER THAN THE DETERMINED BY THE FOLLOWING FORMULA:

$$Q = \frac{LDP^{(1/2)}}{148{,}000}$$

WHERE:

L = TESTING ALLOWANCE (MAKEUP WATER), IN GALLONS PER HOUR

S = LENGTH OF PIPE TESTED, IN FEET

D = NOMINAL DIAMETER OF THE PIPE, IN INCHES

P = AVERAGE TEST PRESSURE DURING THE HYDROSTATIC TEST, IN POUNDS PER SQUARE INCH (GAUGE)

A 48 HOUR ADVANCE NOTICE MUST BE GIVEN TO THE WATER AUTHORITY AND HEALTH DEPARTMENT PRIOR TO PRESSURE TESTING OF WATER LINES.

IF THE SECTION BEING TESTED SHALL FAIL TO PASS THE PRESSURE TEST OR THE LEAKAGE TEST, OR BOTH, THE CONTRACTOR SHALL LOCATE, UNCOVER, AND REPAIR OR REPLACE THE DEFECTIVE PIPE, FITTING OR JOINTS, AND ALL SUCH WORK SHALL BE DONE AT HIS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER.

IN THE EVENT OF CONFLICT BETWEEN THE TESTS SPECIFIED HEREIN AND THE TEST REQUIREMENTS OF THE TOWN OF FISHKILL ROMBOUT WATER DISTRICT, HEALTH DEPARTMENT OR ANY OTHER AUTHORITY HAVING JURISDICTION OVER ALL OR ANY PORTION OF THE WATER LINES INSTALLED UNDER THIS CONTRACT, THE MORE RESTRICTIVE REQUIREMENTS SHALL GOVERN.

WATER MAIN DISINFECTING

(A) AFTER THE WATER LINE HAS PASSED THE REQUIRED PRESSURE AND LEAKAGE TESTS AND BEFORE BEING PLACED INTO SERVICE, THE ENTIRE LINE SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651 STANDARDS, EXCLUDING THE TABLET METHOD. ALL DISINFECTING OPERATIONS AND PROCEDURES SHALL MEET WITH THE APPROVAL OF THE WATER AUTHORITY AND HEALTH DEPARTMENT.

(B) IF THE INITIAL BACTERIOLOGICAL TESTS ARE NOT SATISFACTORY, THE CONTRACTOR SHALL OBTAIN SATISFACTORY BACTERIOLOGICAL TESTS INCLUDING MAKING PROVISIONS TO ISOLATE SHORTER SECTIONS OF THE LINE IF NECESSARY. ALL WORK REQUIRED TO OBTAIN SATISFACTORY BACTERIOLOGICAL TESTS SHALL BE AT THE CONTRACTOR'S EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER.

(C) IN THE EVENT OF A CONFLICT BETWEEN TESTS SPECIFIED HEREIN AND THE TEST REQUIREMENTS OF THE WATER AUTHORITY, HEALTH DEPARTMENT OR ANY OTHER AUTHORITY HAVING JURISDICTION OVER ALL OR ANY PORTION OF THE WATER LINES INSTALLED UNDER THIS CONTRACT, THE MORE RESTRICTIVE REQUIREMENTS SHALL GOVERN.

DLR Group

STATE OF NEW YORK
BRENDAN T. FITZPATRICK
No. 074135
LICENSED PROFESSIONAL ENGINEER

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22
REVISIONS
1 CONSTRUCTION DOCS 03.06.23
2 ASI 011 11.07.23

57-21113-00

CIVIL UTILITY NOTES

C0.1.iii

1. 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 (TEN STATES)
   - RURAL WATER SUPPLY, NEW YORK STATE DEPARTMENT OF HEALTH
   - NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY DEPARTMENT OF HEALTH POLICIES, PROCEDURES, AND STANDARDS
   - DUTCHESS COUNTY DEPARTMENT OF HEALTH SANITARY CODE, ARTICLE XI AND ARTICLE V
   - DUTCHESS COUNTY DEPARTMENT OF HEALTH CERTIFICATE OF APPROVAL

2. UPON COMPLETION OF THE FACILITIES, THE FINISHED WORK 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. THE NEW WATER SUPPLY SYSTEM SHALL NOT BE PLACED INTO SERVICE UNTIL A COMPLETED WORK APPROVAL IS ISSUED UNDER SECTION 5-1.22(d) OF PART 5 OF THE NEW YORK STATE SANITARY CODE (10NYCRR5).

3. DISINFECTION AND TESTING OF WATER MAIN SHALL COMPLY WITH THE SPECIFICATIONS.

4. THE RESULTS OF THE BACTERIOLOGICAL SAMPLING AND LEAKAGE TESTS SHALL BE SUBMITTED TO THE DUTCHESS COUNTY DEPARTMENT OF HEALTH AS PART OF THE CERTIFICATION BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER.

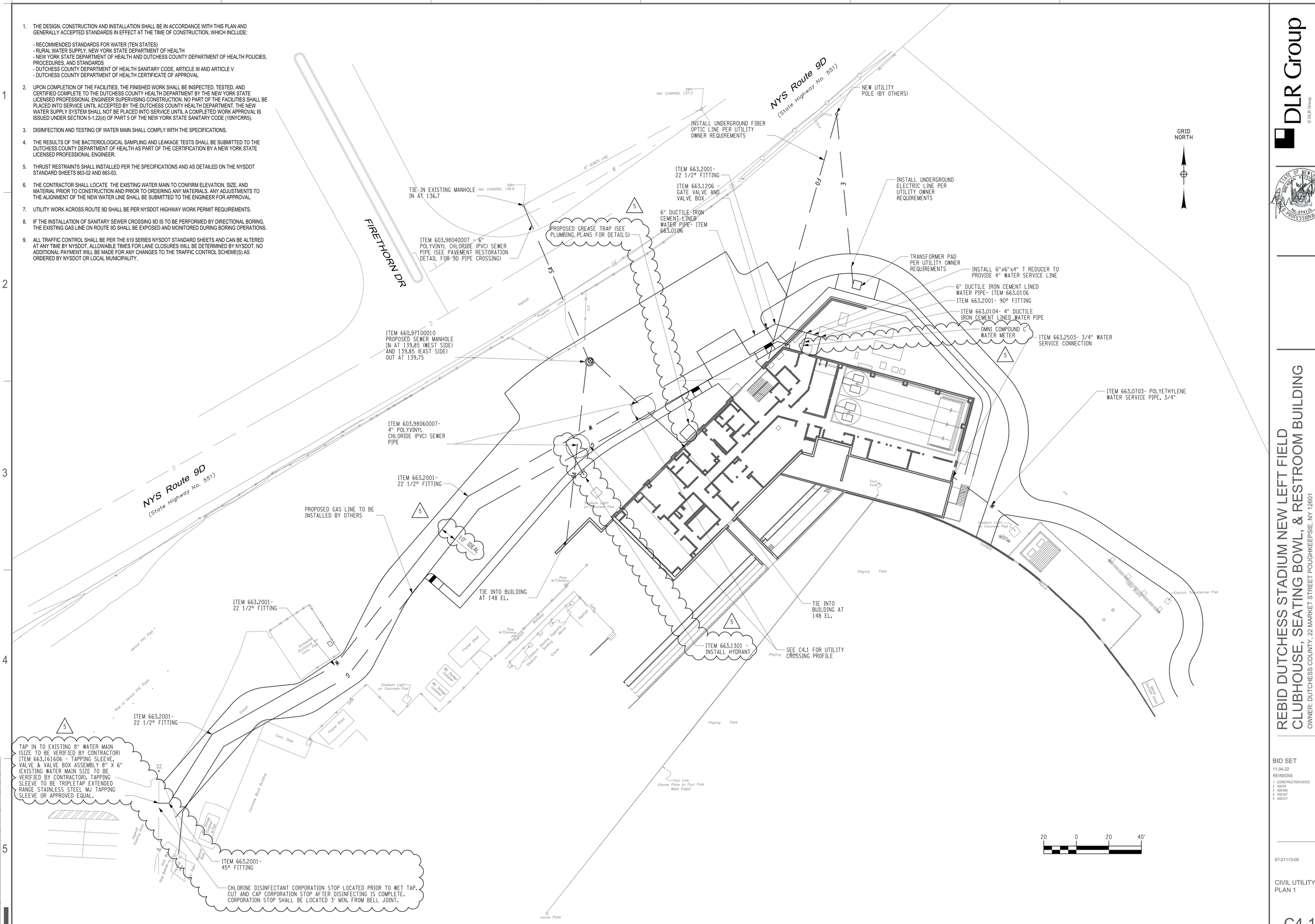
5. THRUST RESTRAINTS SHALL INSTALLED PER THE SPECIFICATIONS AND AS DETAILED ON THE NYSDOT STANDARD SHEETS 663-02 AND 663-03.

6. THE CONTRACTOR SHALL LOCATE THE EXISTING WATER MAIN TO CONFIRM ELEVATION, SIZE, AND MATERIAL PRIOR TO CONSTRUCTION AND PRIOR TO ORDERING ANY MATERIALS. ANY ADJUSTMENTS TO THE ALIGNMENT OF THE NEW WATER LINE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

7. UTILITY WORK ACROSS ROUTE 9D SHALL BE PER NYSDOT HIGHWAY WORK PERMIT REQUIREMENTS.

8. IF THE INSTALLATION OF SANITARY SEWER CROSSING 9D IS TO BE PERFORMED BY DIRECTIONAL BORING, THE EXISTING GAS LINE ON ROUTE 9D SHALL BE EXPOSED AND MONITORED DURING BORING OPERATIONS.

9. ALL TRAFFIC CONTROL SHALL BE PER THE 619 SERIES NYSDOT STANDARD SHEETS AND CAN BE ALTERED AT ANY TIME BY NYSDOT. ALLOWABLE TIMES FOR LANE CLOSURES WILL BE DETERMINED BY NYSDOT. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY CHANGES TO THE TRAFFIC CONTROL SCHEME(S) AS ORDERED BY NYSDOT OR LOCAL MUNICIPALITY.



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STATE OF NEW YORK
BRENDAN T. FITZGERALD
No. 075115
LICENSED PROFESSIONAL ENGINEER

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22

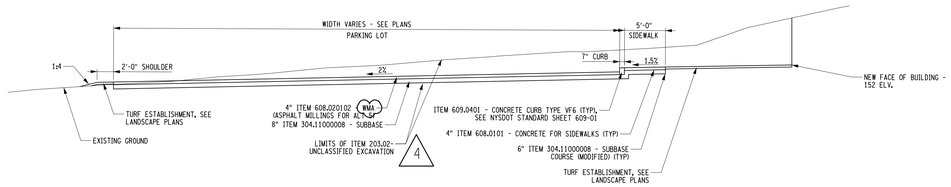
REVISIONS

1	CONSTRUCTION DOCS	03.06.23
2	ASI 04	06.02.23
3	ASI 006	07.19.23
4	ASI 007	08.07.23
5	ASI 011	11.07.23

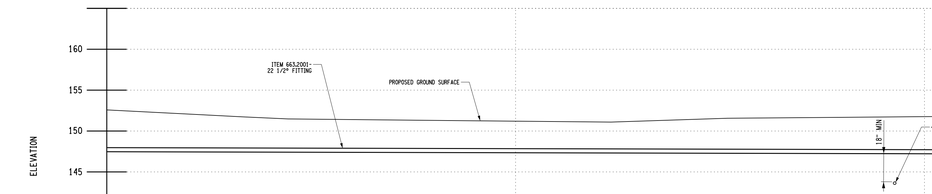
57-21113-00

CIVIL UTILITY PLAN 1

C4.1.ii



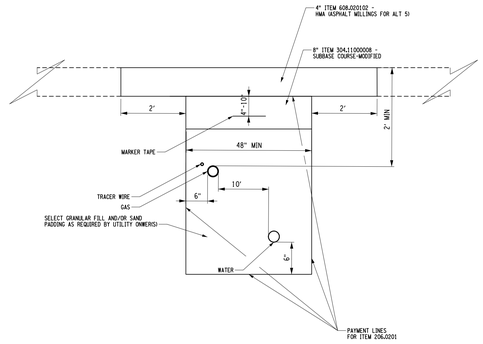
WIDE WIDTH PARKING LOT SECTION
NOT TO SCALE



NARROW WIDTH PARKING LOT SECTION
NOT TO SCALE

DRIVEWAY CONNECTION WITH SHARED USED PATH SECTION
NOT TO SCALE

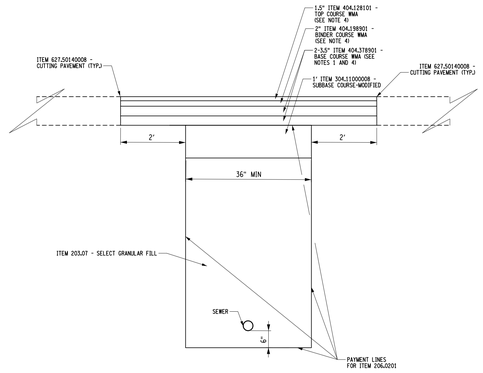
MAINTENANCE ROAD WITH SIDEWALK SECTION
NOT TO SCALE



DRIVEWAY INSTALLATION DETAIL FOR UTILITIES
NOT TO SCALE

NOTES:

1. THE TRENCH SHALL BE BACKFILLED ABOVE ITEM 203.07 LIMIT WITH SUITABLE MATERIAL. IF MATERIAL EXCAVATED FROM THE TRENCH IS DEEMED "UNSUITABLE" BY THE ENGINEER, IT SHALL BE DISPOSED OF AS PER SECTION 206-3.01. BACKFILL OF THE TRENCH SHALL BE DONE WITH SUITABLE MATERIAL CONFORMING TO SECTION 203-3.010. THE COST OF THIS MATERIAL, REGARDLESS OF THE SOURCE, SHALL BE INCLUDED IN ITEM 206.0201.
2. ITEM 407.0103 - STRAIGHT TACK COAT WILL BE USED BETWEEN ALL LAYERS/LIFTS OF ASPHALT AND ON VERTICAL FACE OF SAWCUT IN ACCORDANCE WITH TABLE 407-1 OF THE NYSDOT STANDARD SPECIFICATIONS.
3. SUPPORT OF THE EXCAVATION SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AND NYSDOT FOR REVIEW AND APPROVAL. THE SUPPORT SHALL ENSURE THAT VEHICLE LOADING CAN BE CARRIED WITHOUT FAILURE OF THE SIDE SLOPES. IF STEEL PLATES ARE TO BE USED TO COVER THE TRENCH WHEN REOPENING THE ROAD TO TRAFFIC, THEY SHALL BE APPROVED BY THE ENGINEER AND NYSDOT.



PAVEMENT RESTORATION DETAIL FOR 9D PIPE CROSSINGS
NOT TO SCALE

NOTES:

1. REPLACED PAVEMENT SHALL MATCH EXISTING FULL DEPTH ASPHALT THICKNESS.
2. REPLACED SUBBASE SHALL MATCH EXISTING FULL DEPTH SUBBASE THICKNESS.
3. THE TRENCH SHALL BE BACKFILLED ABOVE ITEM 203.07 LIMIT WITH SUITABLE MATERIAL. IF MATERIAL EXCAVATED FROM THE TRENCH IS DEEMED "UNSUITABLE" BY THE ENGINEER, IT SHALL BE DISPOSED OF AS PER SECTION 206-3.01. BACKFILL OF THE TRENCH SHALL BE DONE WITH SUITABLE MATERIAL CONFORMING TO SECTION 203-3.010. THE COST OF THIS MATERIAL, REGARDLESS OF THE SOURCE, SHALL BE INCLUDED IN ITEM 206.0201.
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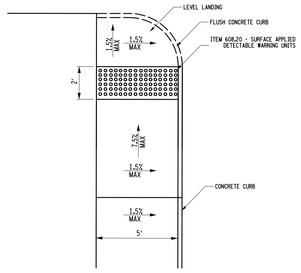
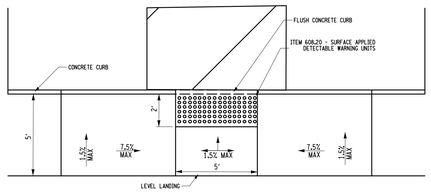


TYPE 2 CURB RAMP
NOT TO SCALE



TYPE 9 CURB RAMP
NOT TO SCALE

SEWER PENETRATION IN EXISTING STRUCTURE
NOT TO SCALE

SEWER CROSSING EXISTING UTILITIES
NOT TO SCALE

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STATE OF NEW YORK
BRENDAN T. FEENEY
No. 077115
LICENSED PROFESSIONAL ENGINEER

REBID DUTCHESS STADIUM NEW LEFT FIELD
CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

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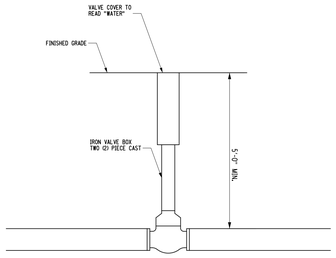
CIVIL DETAILS

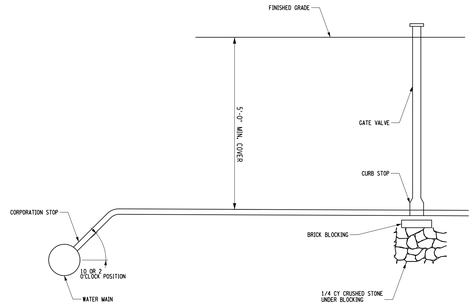
C5.1.ii



VALVE DETAIL
NOT TO SCALE

NOTES:

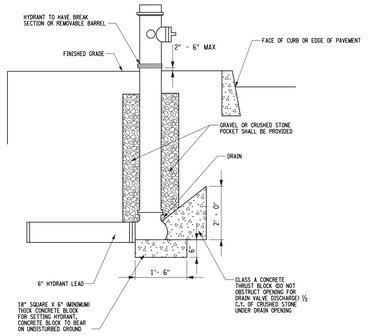
1. NON-RESING STEM GATE VALVE, OPERATING DIRECTION SHALL BE COUNTERCLOCKWISE TO OPEN.
2. MINIMUM DISTANCE TO JOINTS, FITTINGS OR OTHER CORPORATION STOPS SHALL BE 3 FEET.
3. IF VALVE IS TO BE RODDED, PROVIDE VALVE WITH RODDING FLANGES OR EYEBOLTS. TWO 3/4" GALVANIZED STEEL RODS WITH NAILABLE IRON NUTS AT 180 DEGREE SPACING SHALL BE USED FOR RODDING VALVES.
4. VALVES AND FITTINGS SHALL CONFORM TO AWWA C500 LATEST EDITION SPECIFICATIONS.
5. ALL VALVES SHALL OPEN COUNTERCLOCKWISE AND BE PROVIDED WITH STANDARD WRENCH NUT.
6. EACH VALVE SHALL BE PROVIDED WITH A TWO PIECE SLIDE TYPE VALVE BOX.
7. GATE VALVE SHALL BE IRON BODY, BRONZE MOUNTED, INSIDE SCREW, DOUBLE DISC, PARALLEL SEAT.



WATER SERVICE CONNECTION DETAIL
NOT TO SCALE

NOTES:

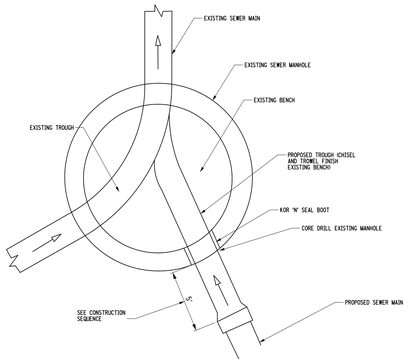
1. INSTALLATION OF MUELLER WET TAP#12 O'CLOCK POSITION.
2. SERVICE TAPS SHALL CONFORM TO AWWA C600, SECTION 7 LATEST EDITION.
3. BACKFILLING SHALL CONFORM TO AWWA C600, SECTION 3.5 LATEST EDITION.
4. REFER TO PLAN FOR SERVICE SIZE DIA. AND LOCATIONS.
5. VALVES AND FITTINGS SHALL CONFORM TO AWWA C800 LATEST EDITION.
6. SERVICE LINES TO BE DISINFECTED IN ACCORDANCE AS PER AWWA 651 LATEST EDITION.
7. SERVICE LINES SHALL BE VISIBLY TESTED FOR LEAKS PRIOR TO BACKFILLING ENTIRE PIPE. ALL FITTINGS SHALL BE CHECKED.
8. A WATER METER (REMOTE STYLE) CONFORMING TO AWWA STANDARDS AND WATER DISTRICT REQUIREMENTS SHALL BE INSTALLED.
9. ALL PRESSURE TESTING TO BE WITNESSED BY REPRESENTATIVES OF THE WATER DISTRICT.
10. WATER TAPS SHOULD BE LESS THAN 45 DEGREES AND MORE THAN 0 DEGREES IN THE TOP QUADRANT OF THE MAIN.



VALVE DETAIL
NOT TO SCALE

NOTES:

1. ALL CONCRETE THRUST BLOCKS SHALL BEAR ON UNDISTURBED GROUND.
2. RODDING SHALL CONSIST OF TWO 3/4" THREADED STEEL TIE RODS WITH NUTS AND WASHERS COMPLETE WITH ALL NECESSARY AND REQUIRED CLAMPS, CAREFULLY AND THOROUGHLY COVERED WITH ASPHALT OR OTHER ACCEPTABLE CORROSIVE RETARDING MATERIAL. IN GENERAL, THE METHOD AND TYPES OF MATERIAL REQUIRED IN THE INSTALLATION OF CLAMPS AND THE RODS SHALL BE IN ACCORDANCE WITH THE LATEST NATIONAL FIRE PROTECTION STANDARDS.
3. HYDRANT DRAINS SHALL NOT BE CONNECTED TO OR WITHIN TEN (10) FEET OF ANY SANITARY SEWERS OR STORM DRAINS.
4. IF GROUND WATER IS FOUND WITHIN SEVEN (7) FEET OF THE SURFACE, HYDRANT DRAINS ARE TO BE PLUGGED. WHEN DRAINS ARE TO BE PLUGGED, THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. SUCH HYDRANTS SHALL BE IDENTIFIED WITH A VISIBLE MARKING AS APPROVED BY THE WATER AUTHORITY.

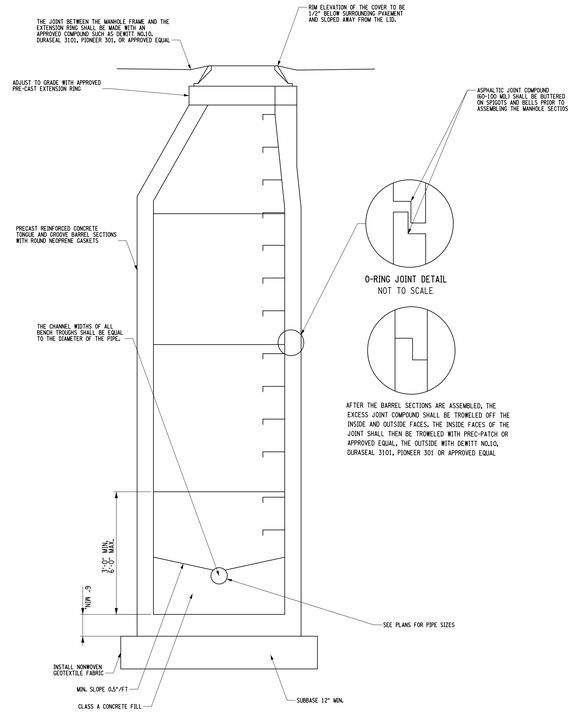


CONNECTION TO EXISTING SEWER MANHOLE CONSTRUCTION SEQUENCE
NOT TO SCALE

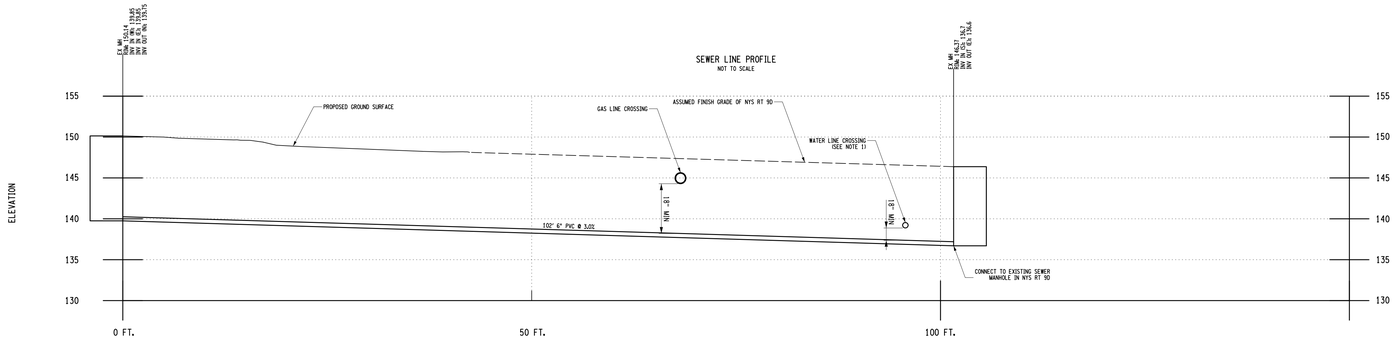
CONNECTION TO EXISTING SEWER MANHOLE CONSTRUCTION SEQUENCE

1. INSTALL PROPOSED SEWER MAIN PIPING TO WITHIN 5' OF THE EXISTING SEWER MANHOLE.
2. PERFORM REQUIRED ACCEPTANCE TESTING OF SEWER MAIN.
3. AFTER TESTING OF NEW SEWER MAIN, CORE DRILL EXISTING MANHOLE AND CONNECT PROPOSED PIPING TO EXISTING MANHOLE.
4. ONCE THE NEW SEWER MAIN HAS BEEN CONNECTED TO THE EXISTING SEWER MANHOLE FORM NEW TROUGH BY CHISELING AND TROWEL FINISH EXISTING BENCH AND TROUGH

PROPOSED SEWER CONNECTION TO EXISTING SEWER MANHOLE DETAIL
(N.T.S)



TYPICAL SANITARY SEWER DETAIL
NOT TO SCALE



NOTES:

1. WATER LINE SHALL BE SUPPORTED DURING THE DURATION OF WORK. SUPPORT SHALL BE INSTALLED PRIOR TO SANITARY SEWER TIE-IN.

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STATE OF NEW YORK
BRENDAN P. FITZGERALD
No. 074115
LICENSED PROFESSIONAL ENGINEER

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OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22
REVISIONS
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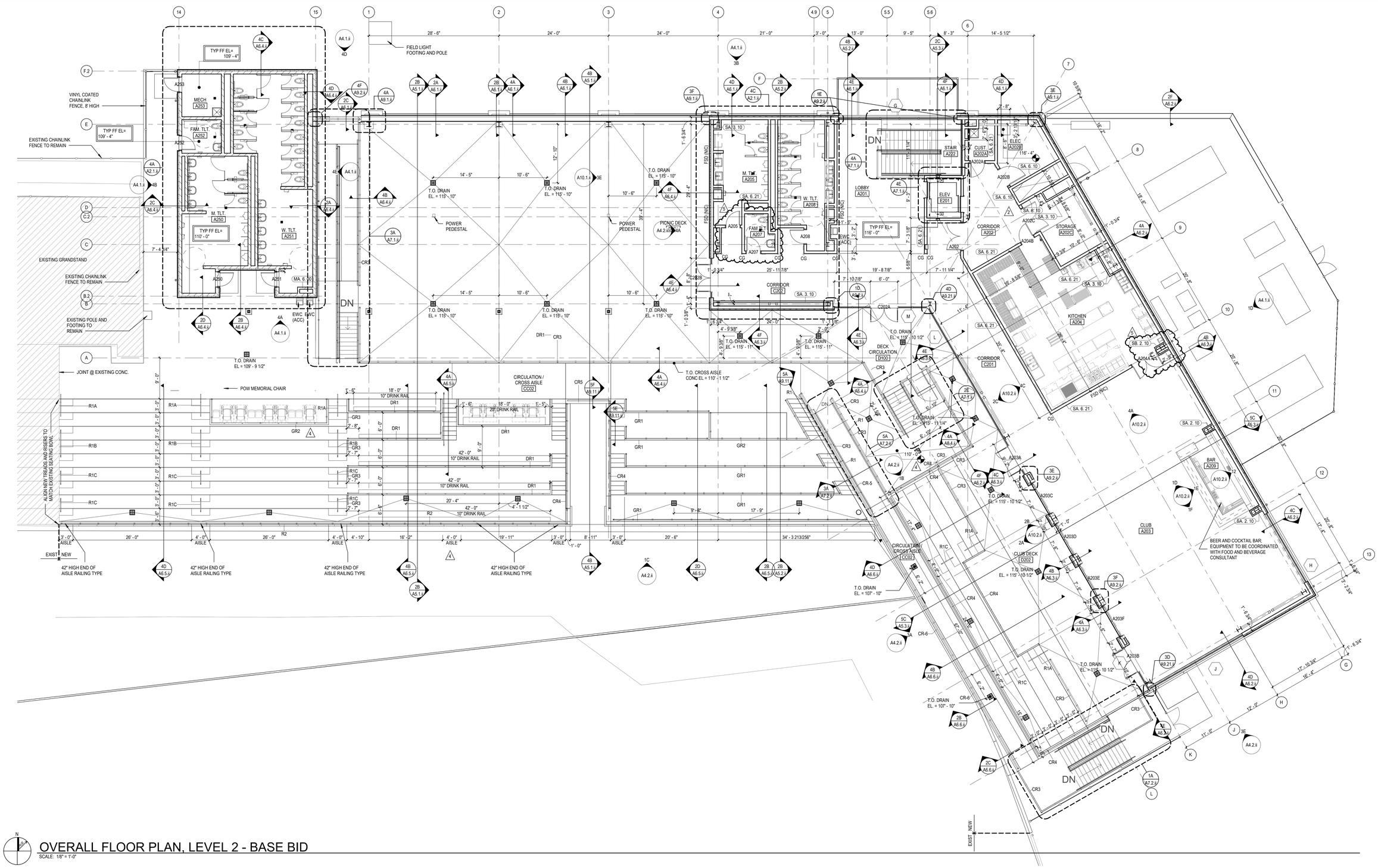
2 ASI 011 11.07.23

57-21113-00

CIVIL DETAILS 2

C5.1.iii



OVERALL FLOOR PLAN, LEVEL 2 - BASE BID

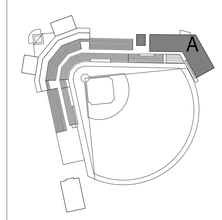
SCALE: 1/8" = 1'-0"

REFERENCE KEYNOTES

SHEET NOTES

1. INFILL OR PATCH AND REPAIR CONCRETE SLAB AREA
2. PATCH AND REPAIR WALL
3. REFERENCE FINISH PLANS FOR CONCRETE JOINTING PATTERN
4. FULLY-GROUT COLLAR JOINT.

KEY PLAN



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REGISTERED ARCHITECT JOSEPH CONTE 117972 STATE OF NEW YORK

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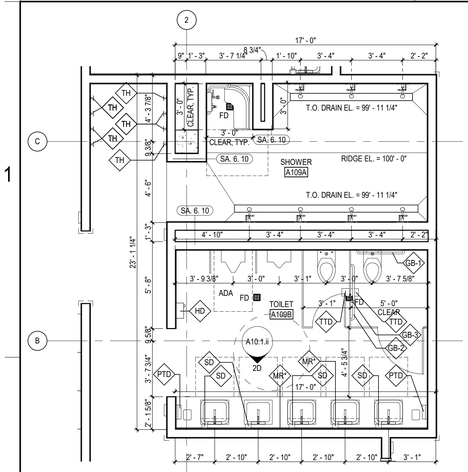
4	ASI 009	09.15.23
5	ASI 011	11.07.23

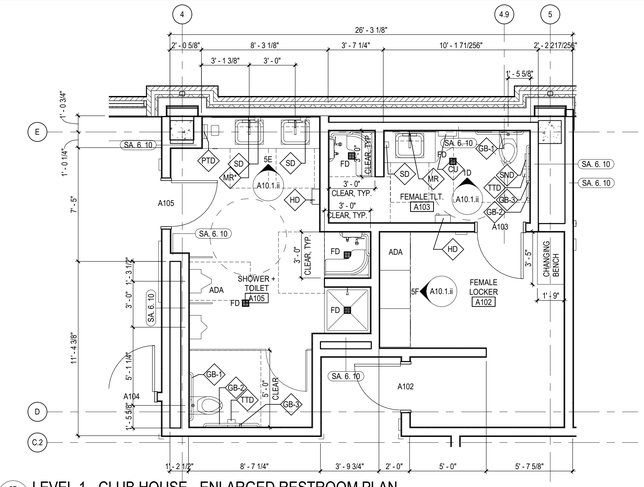
57-21113-00

FLOOR PLAN - AREA A - LEVEL 2

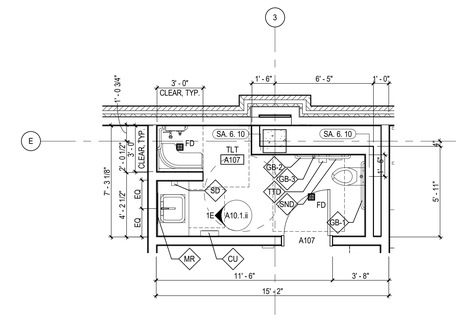
A1.2A.ii



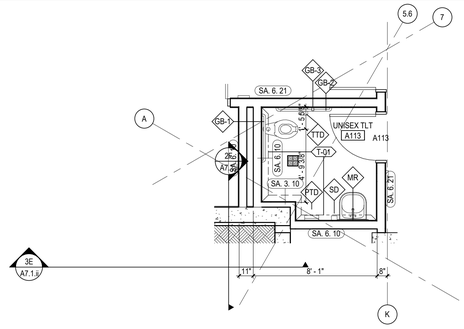
2A A2.1.ii LEVEL 1 - CLUB HOUSE - ENLARGED RESTROOM PLAN
SCALE: 1/4" = 1'-0"



2B A2.1.ii LEVEL 1 - CLUB HOUSE - ENLARGED RESTROOM PLAN
SCALE: 1/4" = 1'-0"



1D A2.1.ii LEVEL 1 - CLUB HOUSE - ENLARGED RESTROOM PLAN
SCALE: 1/4" = 1'-0"

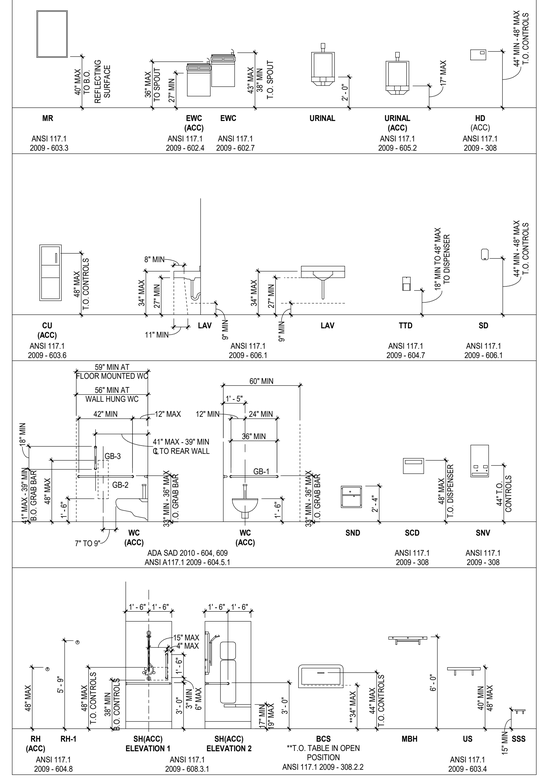


1F A2.1.ii LEVEL 1 - WEIGHT ROOM - ENLARGED RESTROOM PLAN
SCALE: 1/4" = 1'-0"

4A A2.1.ii LEVEL 2 - RESTROOM BUILDING - ENLARGED PLAN
SCALE: 1/4" = 1'-0"

4C A2.1.ii LEVEL 2 - CLUB LEVEL - ENLARGED PLAN
SCALE: 1/4" = 1'-0"

ADULT MOUNTING HEIGHTS



REFERENCE KEYNOTES

SHEET NOTES

1 INFILL OR PATCH AND REPAIR CONCRETE SLAB AREA
2 PATCH AND REPAIR WALL
3 REFERENCE FINISH PLANS FOR CONCRETE JOINTING PATTERN
4 FULLY-GROUT COLLAR JOINT.

GENERAL NOTES FOR ACCESSIBILITY

A. ACCESSIBLE URINAL SHALL PROVIDE CLEAR FLOOR SPACE PER ANSI 117.1 2009 - 605.3.
B. ACCESSIBLE WATER CLOSETS SHALL PROVIDE CLEAR SPACE PER ANSI 117.1 2009 - 604.3.
C. ACCESSIBLE LAVATORIES AND SINKS SHALL PROVIDE CLEAR SPACE PER ANSI 117.1 2009 - 606.2.
D. ACCESSIBLE TOILET ROOMS SHALL PROVIDE A TURNING SPACE OF 60 INCHES IN DIAMETER PER ANSI 117.1 2009 - 304.3.1.
E. ACCESSIBLE WATER FOUNTAINS SHALL PROVIDE CLEAR FLOOR SPACE PER ANSI 117.1 2009 - 602.2.
F. ACCESSIBLE TOILET PARTITIONS SHALL COMPLY WITH ANSI 117.1 2009 - 604.9.
G. EXPOSED PIPES AND SURFACES UNDER LAVATORIES AND SINKS SHALL BE INSULATED PER ANSI 117.1 2009 - 606.6.
H. HAND OPERATED FLUSH CONTROLS SHALL BE INSTALLED ON THE OPEN SIDE OF THE WATER CLOSET.
I. WHERE THE TOILET PAPER DISPENSER IS LOCATED BELOW THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED 24" MINIMUM AND 42" MAXIMUM FROM REAR WALL PER ANSI 117.1 2009 - 604.6.

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REGISTERED ARCHITECT JOSEPH M. JOSEPH COMPANY 11/09/23 STATE OF NEW YORK 036865

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

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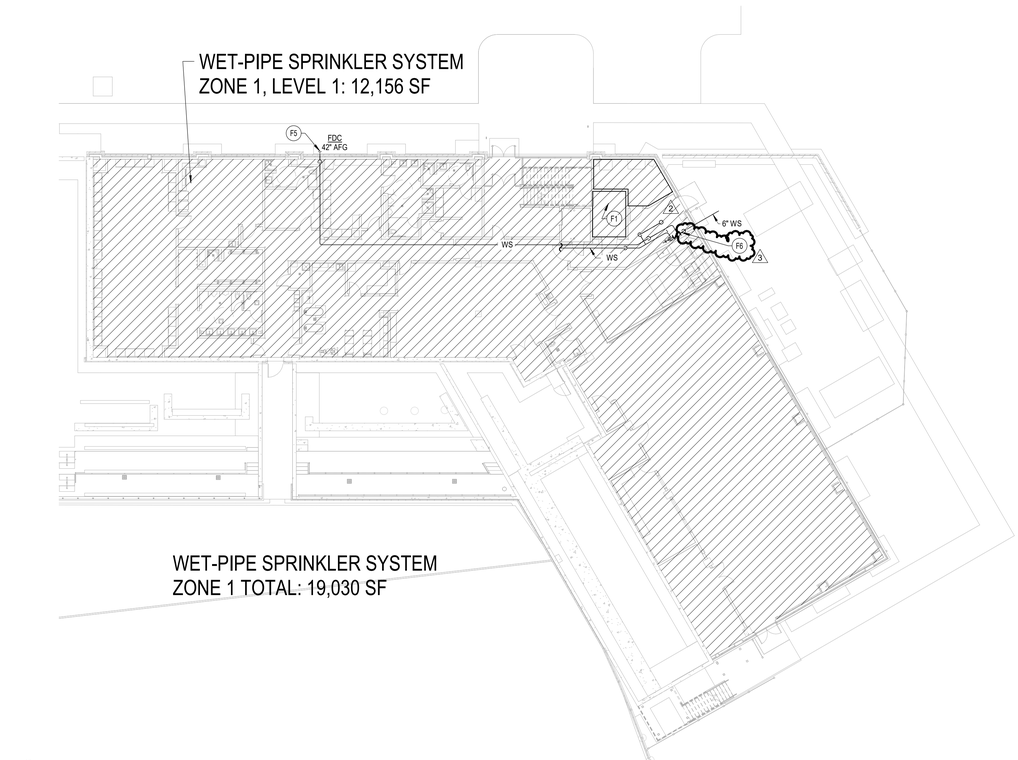
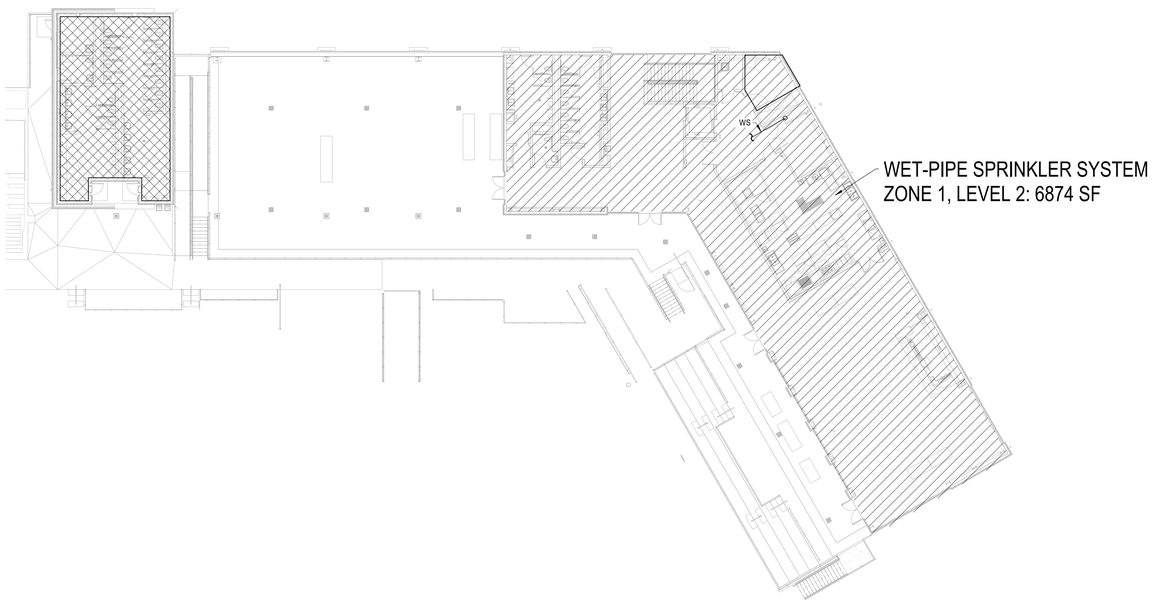
ENLARGED FLOOR PLANS

A2.1.ii



FIRE PROTECTION PLAN - AREA A - LEVEL 1 - BASE BID

SCALE: 1/16" = 1'-0"



FIRE PROTECTION PLAN - AREA A - LEVEL 2 - BASE BID

SCALE: 1/16" = 1'-0"

GENERAL NOTES

A FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING FP0.1.i.

SHEET NOTES

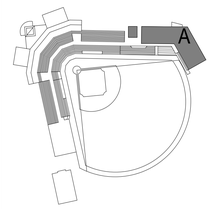
F1 ELECTRICAL/IT ROOM. DO NOT ROUTE PIPING ABOVE THIS ROOM. USE SIDEWALL SPRINKLER HEADS.

F5 COORDINATE FIRE DEPARTMENT CONNECTION LOCATION WITH FIRE CHIEF OF THE CHELSEA FIRE DISTRICT.

F6 FIRE PROTECTION BACKFLOW PREVENTION DEVICE. DESIGNED BY FIRE PROTECTION ENGINEER AND FIRE PROTECTION CONTRACTOR.

3

KEY PLAN



DLR Group

STATE OF NEW YORK
JONATHAN M. KESSIE
091343
LICENSED PROFESSIONAL ENGINEER

11-7-23

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3	PKG 2 - ASI 11	11.07.23

57-21113-00

FIRE PROTECTION PLANS - AREA A

FP1.1A.ii

ABBREVIATIONS

Plumbing...

Abbreviation	Abbrevation Description
(D)	DEMOLISHED
(E)	EXISTING
(R)	RELOCATED
°C	DEGREES CELSIUS
°F	DEGREES FAHRENHEIT
Ø	DIAMETER
A/C	AIR CONDITIONING(ER)
AAV	AUTOMATIC AIR VENT
ACC	ACCESSIBLE
AD	AREA DRAIN
ADJ	ADJUSTABLE
AFG	ABOVE FINISHED GRADE
AGF	AIR GAP FITTING
AHU	AIR HANDLING UNIT
ANCH	ANCHOR
AR	ACID RESISTING
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
AUTO	AUTOMATIC
AV	AUDIO-VIDEO, AUDIO-VISUAL
AV	ACID VENT
AV	AIR VENT
BBO	BOILER BLOW OFF
BC	BALANCING COCK
BF	BOILER FEED
BFF	BELOW FINISH FLOOR
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BLKG	BLOCKING
BLKHD	BULKHEAD
BOT	BOTTOM
BPIP	BOILER PLANT INSTRUMENTATION PANEL
BV	BALL VALVE
C	CONDUIT
C	CONDENSER WATER
CD	CONDENSATE DRAIN
CD	CONSTRUCTION DOCUMENTS
CF	CUBIC FEET
CI	CAST IRON
CI	CURB INLET
CIP	CAST IRON PIPE
CIRC	CIRCULATING
CLR	CLEAR
CO	CLEAN OUT
COMB	COMBINATION
CR	CORROSION RESISTANT
CS	COUNTERSINK
CS	COMBINATION SEWER
CSP	COMBINATION STANDPIPE
CT	COOLING TOWER
CU	CONDENSING UNIT
CW	COLD WATER
D	DRAIN
DBL	DOUBLE
DE	DEIONIZED WATER
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DFR	DIESEL FUEL RETURN
DFS	DIESEL FUEL SUPPLY
DFV	DIESEL FUEL VENT
DISCH	DISCHARGE
DSN	DOWNSPOUT NOZZLE
DSP	DRY STANDPIPE
DW	DISHWASHER
EA	EACH
EEW	EMERGENCY EYE WASH
EEWS	EMERGENCY EYE WASH SHOWER
EFF	EFFICIENCY
ELEV	ELEVATOR
EMER	EMERGENCY
ENT	ENTERING
EWC	ELECTRIC WATER COOLER
EXP	EXPOSED
F	FAHRENHEIT
F	FIRELINE
F.V.	FIELD VERIFY
FAB	FABRICATE(D)
FCO	FLOOR CLEAN OUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FDNDR	FOUNDATION DRAIN
FF	FINISH FLOOR
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIX	FIXTURE
FLEX	FLEXIBLE
FM	FIRE MAIN
FM	FORCE MAIN
FOF	FUEL OIL FILL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FPD	FIRE PUMP DISCHARGE
FPM	FEET PER MINUTE
FS	FLOW SWITCH
FS	FLOOR SINK
FVC	FIRE VALVE CABINET
G	NATURAL GAS
GA	GAUGE
GAL	GALLON
GCO	GRADE CLEAN OUT
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GATE VALVE
GV	GREASE VENT
GVBF	GREASE VENT BELOW FLOOR
GW	GREASE WASTE
HB	HOSE BIB
HGR	HANGER
HID	HIGH INTENSITY DISCHARGE
HP	HEAT PUMP
HP	HIGH PRESSURE
HR	HOUR
HUM	HUMIDIFIER
HVAC	HEATING VENTILATING AND AIR CONDITIONING
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER RECIRCULATING
IAW	IN ACCORDANCE WITH
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IES	ILLUMINATING ENGINEERING SOCIETY
INSUL	INSULATION
IP	IRON PIPE
IW	INDIRECT WASTE
JAN	JANITOR
LAV	LAVATORY
LF	LINEAR FOOT
LG	LENGTH (LONG)
LIN	LINEAR
LPG	LIQUIFIED PETROLEUM GAS
LS	LAWN SPRINKLER
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MAINT	MAINTENANCE
MAN	MANUAL
MATL	MATERIAL
MAV	MANUAL AIR VENT
MFRG	MANUFACTURING
MH	MANHOLE

Plumbing...

Abbreviation	Abbrevation Description
MPG	MEDIUM PRESSURE GAS
MTD	MOUNTED
MTG	MOUNTING
MV	MEDICAL VACUUM
N	NITROGEN
N2O	NITROUS OXIDE
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NO	NUMBER
NO2	NITROGEN DIOXIDE
NOM	NOMINAL
O&M	OPERATION AND MAINTENANCE
OD	OUTSIDE DIAMETER
ORD	OVERFLOW ROOF DRAIN
OS&Y	OUTSIDE SCREW AND YOKE
OVFL	OVERFLOW
OX	OXYGEN
P	PUMP
P/T	PRESSURE/TEMPERATURE TEST PORT
PC	PUMPED CONDENSATE
PCF	POUNDS PER CUBIC FOOT
PD	PRESSURE DROP
PD	PUMP DISCHARGE
PDI	PLUMBING & DRAINAGE INSTITUTE
PG	PRESSURE GAUGE
PI	PRESSURE INDICATOR
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
POC	POINT OF CONNECTION
PR	PAIR
PSI	POUNDS PER SQUARE INCH
PT	PLASTER TRAP
PVC	POLYVINYL CHLORIDE
R	RISER
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REM	REMOVABLE
RS	REFRIGERANT SUCTION
RTU	ROOF TOP UNIT
S	SANITARY SEWER
S	SPRINKLER LINE
SAN	SANITARY WASTE
SCW	SOFT COLD WATER
SD	STORM DRAIN
SE	STEAM EXHAUST VENT
SH	SHOWER
SHW	SOFT HOT WATER
SK	SINK
SM	SPRINKLER MAIN
SP	STATIC PRESSURE (H2O)
SP	STAND PIPE
SPD	SURGE PROTECTION DEVICE
SPK	SPRINKLER
SQ	SQUARE
SS	STAINLESS STEEL
SS	SERVICE SINK
SST	SECONDARY STORM DRAINAGE
ST	STORM DRAINAGE
STOR	STORAGE
SUSP	SUSPENDED
T	TEMPERED
TEMP	TEMPERATURE
THK	THICK(NESS)
TMV	THERMOSTATIC MIXING VALVE
TOIL	TOILET
TPV	TRAP PRIMER
TS	TEMPERATURE SENSOR
TT	TEMPERATURE TRANSMITTER
UC	UNIT COOLER
UG	UNDERGROUND
UR	URINAL
UTIL	UTILITY
V	VENT
V	VACUUM
VA	VALVE
VBF	VENT BELOW FLOOR
VCP	VITRIFIED CLAY PIPE
VOL	VOLUME
VP	VACUUM PUMP
VTR	VENT THROUGH ROOF
W	WATER SERVICE
W	WASTE (PLUG)
WC	WATER COLUMN
WC	WATER CLOSET
WCC	WATER COOLED CONDENSER
WCL	WATER CLOSET/LAVATORY COMBINATION
WCO	WALL CLEAN OUT
WF	WASH FOUNTAIN
WFMD	WATER FLOW MEASURING DEVICE
WH	WALL HYDRANT
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR
WPB	WHIRLPOOL BATH
WSP	WET STAND PIPE
YH	YARD HYDRANT
ZCB	ZONE CONTROL BOX
ZCV	ZONE CONTROL VALVE

GENERAL SYMBOLS

	POINT OF DISCONNECT - DEMOLITION REMOVED FROM EXISTING
	POINT OF CONNECTION - NEW CONNECTS TO EXISTING
	AREA NOT IN CONTRACT

PLUMBING GENERAL NOTES:

(APPLY TO ALL PLUMBING SHEETS):

1. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK, LOCATIONS OF EQUIPMENT AND ROUTING OF DUCTWORK AND PIPING. PLANS ARE NOT MEANT TO BE SHOP DRAWINGS FROM WHICH MATERIALS CAN BE ORDERED OR INSTALLATION CAN BE ACCOMPLISHED WITHOUT FIELD MEASUREMENT AND COORDINATION BY THE CONTRACTOR. CONTRACTOR SHALL REVIEW ALL PLANS AND FIELD CONDITIONS PRIOR TO FABRICATION OF ANY MATERIAL OR ORDERING OF EQUIPMENT. REVIEW THE GENERAL NOTES, SPECIFICATIONS, AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THESE PLANS. NOTIFY THE ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMITTING BID.
2. ALL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE 2020 PLUMBING CODE OF NEW YORK STATE (2018 INTERNATIONAL PLUMBING CODE WITH AMENDMENTS), WITH ANY LOCAL AMENDMENTS.
3. REVIEW THE ENTIRE PROJECT DRAWING SET AND COORDINATE LOCATION OF ALL PIPING WITH MECHANICAL AND ELECTRICAL CONTRACTORS BEFORE HANGING ANY PIPE. EXTRAS WILL NOT BE PAID TO MOVE PIPING DUE TO CONFLICTS ARISING DUE TO LACK OF COORDINATION.
4. PROVIDE COORDINATION DRAWINGS AS REQUIRED BY THE SPECIFICATIONS. RFI's RELATED TO COORDINATION ITEMS WILL NOT BE REVIEWED UNLESS COORDINATION DRAWINGS HAVE BEEN SUBMITTED.
5. PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
6. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT MOUNTING HEIGHT OF PLUMBING FIXTURES.
7. SEE PLUMBING FIXTURE SCHEDULE FOR REQUIRED PLUMBING CONNECTIONS AND SIZES TO INDIVIDUAL FIXTURES. REFER TO RISER DIAGRAMS AND PLUMBING ISOMETRIC DIAGRAMS FOR PIPING SIZES NOT SHOWN ON PLAN.
8. FURNISH A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT REFLECTING ANY DEVIATIONS FROM THE PLANS FOR INSTALLED LOCATIONS OF MATERIAL AND EQUIPMENT AFTER FINAL INSPECTION OF INSTALLED SYSTEMS.
9. FURNISH TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM ALL INSPECTIONS.
10. PROVIDE CLEANOUTS (FLOOR OR WALL AS REQUIRED) EVERY 100', AT AGGREGATE CHANGES IN DIRECTION IN EXCESS OF 45°, AT THE END OF ALL SANITARY AND STORM DRAIN RUNS, AND AT THE BASE OF ALL SEWER AND STORM DRAIN STACKS. PROVIDE WHETHER INDICATED ON PLANS OR NOT BASED ON ACTUAL FIELD ROUTING.
11. SUPPORT ALL PIPING AS REQUIRED PER IPC TABLE 308.5 ACCORDING TO THE PIPE MATERIAL USED.
12. COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10' MINIMUM CLEARANCE FROM OUTSIDE AIR INTAKES AND 2' CLEARANCE FROM ALL OTHER EQUIPMENT.
13. PROVIDE SHUT OFF VALVES FOR ALL BRANCH WATER PIPING WHERE THE BRANCH CONNECTS TO THE MAIN. PROVIDE ACCESS PANELS WHERE REQUIRED TO ACCESS SHUT OFF VALVES. ACCESS PANELS TO BE AS SMALL AS POSSIBLE WHILE STILL ALLOWING ACCESS TO VALVES. INSTALL VALVES NO MORE THAN 18" ABOVE CEILINGS.
14. PROVIDE A BARRIER TYPE FLOOR DRAIN TRAP SEAL PROTECTION DEVICE (AS DEFINED BY THE ASSE 1072 STANDARD) EQUAL TO "SURESEAL" BRAND.
15. INSTALL WATER HAMMER ARRESTORS IN WATER PIPING ACCORDING TO PDI-WH 201. AIR CHAMBERS ARE NOT ACCEPTABLE.
16. COORDINATE EXACT FIRE AND/OR SMOKE CONSTRUCTION RATING WITH ARCHITECTURAL PLANS AND FIRE STOP ALL PENETRATIONS OF FIRE RESISTIVE CONSTRUCTION.
17. LOCATE PIPING AND EQUIPMENT TO ALLOW ACCESS FOR ADJUSTMENT AND SERVICING. COORDINATE WITH OTHER TRADES.
18. PROVIDE 3'-0" CLEARANCE IN FRONT OF ELECTRICAL PANELS AND DEVICES. DO NOT ROUTE PIPING ABOVE OR OVER ELECTRICAL EQUIPMENT.
19. ALL PIPING TO BE INSTALLED CONCEALED FROM VIEW WHERE POSSIBLE UNLESS NOTED OTHERWISE. ALL EXPOSED PIPING SHALL BE RUN IN A NEAT MANNER, AS HIGH AS POSSIBLE (TIGHT TO ROOF OR FLOOR DECK ABOVE), TIGHT TO AND STACKED ON WALLS, PERPINDICULAR TO WALLS AND WITH 90 DEGREE TURNS..
20. DRAINAGE PIPING LESS THAN 3" SHALL SLOPE AT MINIMUM 1/4" PER FOOT SLOPE, PIPE 3" AND LARGER SHALL SLOPE AT MINIMUM 1/8" PER FOOT.
21. COORDINATE UNDERGROUND PIPING WITH STRUCTURAL FOOTINGS, SITE UTILITIES SERVICES, AND BUILDING SERVICES. SLEEVE ALL PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL WITH A SLEEVE TWO PIPE SIZES LARGER THAN THE PIPE PASSING THROUGH THE WALL. FILL THE SPACE BETWEEN THE SLEEVE AND PIPE PER SPECIFICATIONS AND DRAWINGS.
22. FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK. ANY INTERFERENCE SHALL BE BROUGHT TO ATTENTIONS OF ARCHITECT AND ENGINEER FOR DIRECTION.
23. IN AREAS WITH LIMITED CLEARANCE ABOVE CEILING INSTALL ALL PIPING AS HIGH AS POSSIBLE. TIGHT TO STRUCTURE ABOVE WHERE POSSIBLE AND/OR STACKED ALONG AND TIGHT TO WALLS. PROVIDE OFFSETS AS REQUIRED TO INSTALL SHUT OFF VALVES NO MORE THAN 18" ABOVE CEILINGS. COORDINATE PIPE ROUTING WITH OTHER TRADES DURING PRODUCTION OF SCALED COORDINATION DRAWINGS AS REQUIRED BY THE SPECIFICATIONS.
24. INSTALL ALL EQUIPMENT PER THE MANUFACTURER'S INSTRUCTIONS.
25. THE DETAILS SHOWN ON THE DETAIL SHEETS APPLY TO ALL PLAN SHEETS. THE DETAILS ARE TO BE FOLLOWED FOR THE INSTALLATION OF ALL COMPONENTS AND EQUIPMENT REPRESENTED WHETHER OR NOT THE DETAIL IS SPECIFICALLY REFERENCED ON THE PLAN SHEET. MANUFACTURER'S INSTRUCTIONS ARE TO BE FOLLOWED IF DIFFERENT THAN DETAIL(S) ON DRAWINGS.
26. ALL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE (2018 INTERNATIONAL ENERGY CONSERVATION CODE WITH AMENDMENTS), WITH ANY LOCAL AMENDMENTS.

PLUMBING SYMBOLS

SCHEMATIC	3D	DESCRIPTION
CW	CW	DOMESTIC COLD WATER
		DOMESTIC COLD WATER (LINETYPE)
HW	HW	DOMESTIC HOT WATER
		DOMESTIC HOT WATER (LINETYPE)
110 HW	110 HW	DOMESTIC HOT WATER (110 °F)
140 HW	140 HW	DOMESTIC HOT WATER (140 °F)
HWC	HWC	DOMESTIC HOT WATER RECIRCULATING
		DOMESTIC HOT WATER RECIRC (LINETYPE)
110 HWC	110 HWC	DOMESTIC HOT WATER RECIRCULATING (110 °F)
140 HWC	140 HWC	DOMESTIC HOT WATER RECIRCULATING (140 °F)
DE	DE	DEIONIZED WATER
DI	DI	DISTILLED WATER
FCW	FCW	FILTERED COLD WATER
HCW	HCW	HARD COLD WATER
RO	RO	REVERSE OSMOSIS
ROC	ROC	REVERSE OSMOSIS RECIRCULATING
SCW	SCW	SOFT COLD WATER
HRO	HRO	HOT REVERSE OSMOSIS
HROC	HROC	HOT REVERSE OSMOSIS RECIRCULATING
SHW	SHW	SOFT HOT WATER
T	T	TEMPERED WATER
RCW	RCW	RECLAIMED WATER
SD	SD	STORM DRAIN
OSD	OSD	OVERFLOW STORM DRAIN
LA	LA	LAB AIR
LN2	LN2	LAB LIQUID NITROGEN
NV	NV	LAB NITROGEN VENT
N2	N2	LAB NITROGEN
LV	LV	LAB VACUUM
AR	AR	MEDICAL ARGON
CO2	CO2	MEDICAL CARBON DIOXIDE
MA	MA	MEDICAL COMPRESSED AIR
HE	HE	MEDICAL HELIUM
LN	LN	MEDICAL LIQUID NITROGEN
LO2	LO2	MEDICAL LIQUID OXYGEN
N	N	MEDICAL NITROGEN
N2O	N2O	MEDICAL NITROUS OXIDE
O2	O2	MEDICAL OXYGEN
MV	MV	MEDICAL VACUUM
WAGD	WAGD	MEDICAL WASTE ANESTHETIC GAS DISPOSAL
CA	CA	COMPRESSED AIR
G	G	NATURAL GAS
PG	PG	PROPANE GAS
LPG	LPG	LIQUID PROPANE
VAC	VAC	VACUUM
AV	AV	ACID VENT
AW	AW	ACID WASTE
GV	GV	GREASE VENT
GW	GW	GREASE WASTE
OV	OV	OIL VENT
OW	OW	OIL WASTE
CWV	CWV	COMBINATION WASTE AND VENT
FM	FM	FORCED MAIN
IW	IW	INDIRECT WASTE
PD	PD	PUMP DISCHARGE
W	W	SANITARY WASTE
V	V	SANITARY VENT
FDNDR	FDNDR	FOUNDATION DRAIN
LS	LS	LAWN SPRINKLER
SHWR	SHWR	SOLAR HOT WATER RETURN
SHWS	SHWS	SOLAR HOT WATER SUPPLY
CO	CO	CLEAN OUT
WCO	WCO	WALL CLEAN OUT
FCO	FCO	FLOOR CLEAN OUT
GCO	GCO	GRADE CLEAN OUT (DOUBLE CLEAN OUT)
		FLOOR DRAIN / FLOOR SINK
		ROOF DRAIN / OVERFLOW DRAIN
		DOWNSPOUT NOZZLE
		WALL HYDRANT
		HOSE BIBB
X		WATER HAMMER ARRESTER
A/E		ANESTHESIA EVACUATOR
A		MEDICAL COMPRESSED AIR OUTLET
D		DEIONIZED WATER OUTLET
D/S		DISTILLED WATER OUTLET
G		NATURAL GAS OUTLET
N		NITROGEN OUTLET
N/O		NITROUS OXIDE OUTLET
		OXYGEN OUTLET
V		VACUUM INLET
XX		RISER TAG
8" ORD 1,500 SF		ROOF DRAIN TAG
3" FS		PLUMBING FIXTURE TAG

PIPING ANNOTATIONS

SCHEMATIC	3D	DESCRIPTION
		EXISTING TO REMAIN - (E) or EXIST
		ITEM TO BE DEMOLISHED - (D) or DEMO
18" CWS	18" CWS	PIPE SIZE TAG (DIAMETER WITH SYSTEM NAME)
		ABOVE GROUND PIPING
		BELOW GROUND PIPING
1/8" / 12" SLOPE	1/8" / 12" SLOPE	PIPE SLOPE
INVERT: -93' - 1"	INVERT: -93' - 8"	PIPE INVERT ELEVATION
DDC-xx		MECHANICAL EQUIPMENT TAG
		MECHANICAL EQUIPMENT CLEARANCE

PIPING VALVES AND FITTINGS

SCHEMATIC	3D	DESCRIPTION
		PIPE DROP
		PIPE RISE
		PIPE TEE DOWN
		PIPE TEE UP
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		PIPE CAP
		PIPE ALIGNMENT GUIDE
		PIPE ANCHOR
		FLOW DIRECTION
		EXPANSION JOINT
		FLEXIBLE CONNECTION
		UNION
		DIRECTION OF PIPE PITCH
		AQUASTAT
		EXPANSION LOOP
		BALANCING VALVE
		BALANCING VALVE W/ METERING POINTS
		BALL VALVE
		BUTTERFLY VALVE
		CHECK VALVE
		STEAM TRAP
		GATE VALVE
		CIRCUIT SETTER
		MANUAL AIR VENT
		AUTOMATIC AIR VENT
		PLUG VALVE
		PRESSURE GAUGE
		SOLENOID VALVE
		ANGLE VALVE
		AUTOMATIC CONTROL VALVE 2-WAY
		AUTOMATIC CONTROL VALVE 3-WAY
		AUTOMATIC FLOW CONTROL VALVE
		STRAINER
		PRESSURE AND TEMPERATURE TEST PORT
		THERMOMETER
		PRESSURE REDUCING VALVE (WATER SYSTEMS) PRESSURE REGULATING VALVE (GAS SYSTEMS)
		RELIEF VALVE
		FLOW MEASURING DEVICE
		BACKFLOW PREVENTER
		UNION

SHEET INDEX

2

*** NOTE ***

ALL NOTES ON THIS SHEET ARE APPLICABLE TO ALL OTHER SHEETS IN THIS SET.

THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE APPLICABLE IN THIS SET OF DRAWINGS.

DLR Group

STATE OF NEW YORK
JONATHAN M. WESIK
091343
LICENSED PROFESSIONAL ENGINEER
11-7-23

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601

1500 ROUTE 9D, FISHKILL, NY 12590

BID SET

11.04.22

REVISIONS

1	CONSTRUCTION DOCS	03.06.23
2	PKG 2 - ASI 11	11.07.23

57-21113-00

GENERAL NOTES, PLUMBING SYMBOLS & ABBREVIATIONS

P0.1.ii

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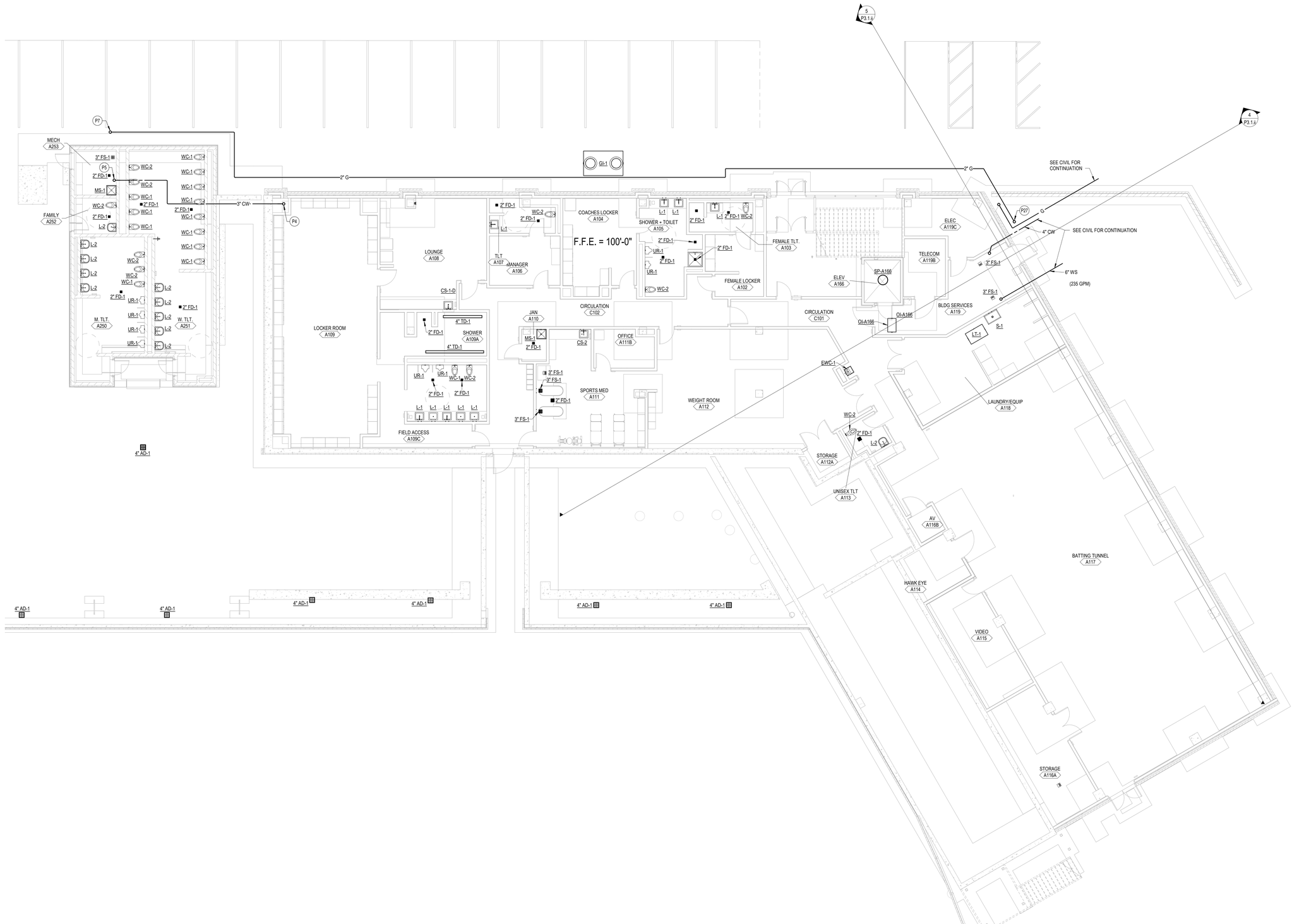


UNDERGROUND PLUMBING PLAN - AREA A - DOMESTIC

SCALE: 1/8" = 1'-0"

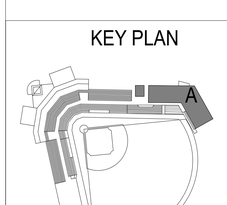
GENERAL NOTES

A. FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING P0.1.
B. PIPING TESTS:
   1. FILL DOMESTIC WATER PIPING. CHECK COMPONENTS TO DETERMINE THAT THEY ARE NOT AIR BOUND AND THAT PIPING IS FULL OF WATER.
   2. TEST FOR LEAKS AND DEFECTS IN NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT A SEPARATE REPORT FOR EACH TEST, COMPLETE WITH DIAGRAM OF PORTION OF PIPING TESTED.
   3. LEAVE NEW, ALTERED, EXTENDED, OR REPLACED DOMESTIC WATER PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE WORK THAT WAS COVERED OR CONCEALED BEFORE IT WAS TESTED.
   4. CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 50 PSIG (345 KPA) ABOVE OPERATING PRESSURE, WITHOUT EXCEEDING PRESSURE RATING OF PIPING SYSTEM MATERIALS. ISOLATE TEST SOURCE AND ALLOW IT TO STAND FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED.
   5. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS, AND RETEST PIPING OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED.
   6. PREPARE REPORTS FOR TESTS AND FOR CORRECTIVE ACTION REQUIRED.
C. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
   1. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.
   2. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION; IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652 OR FOLLOW PROCEDURES DESCRIBED BELOW:
      a. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
      b. FILL AND ISOLATE SYSTEM ACCORDING TO EITHER OF THE FOLLOWING:
         - FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 PPM (50 MG/L) OF CHLORINE. ISOLATE WITH VALVES AND ALLOW TO STAND FOR 24 HOURS.
         - FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200 PPM (200 MG/L) OF CHLORINE. ISOLATE AND ALLOW TO STAND FOR THREE HOURS.
      c. FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME.
      d. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
      e. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION.
D. CLEAN NON-POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
   1. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.
   2. USE PURGING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION; IF METHODS ARE NOT PRESCRIBED, FOLLOW PROCEDURES DESCRIBED BELOW:
      a. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
      b. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
E. PREPARE AND SUBMIT REPORTS OF PURGING AND DISINFECTING ACTIVITIES. INCLUDE COPIES OF WATER-SAMPLE APPROVALS FROM AUTHORITIES HAVING JURISDICTION.
F. CLEAN INTERIOR OF DOMESTIC WATER PIPING SYSTEM. REMOVE DIRT AND DEBRIS AS WORK PROGRESSES.

SHEET NOTES

P4 DOMESTIC COLD WATER DOWN FROM ABOVE SLAB. SEE P2.1A.ii FOR CONTINUATION.
P5 DOMESTIC COLD WATER UP TO ABOVE SLAB. SEE P2.2A.ii FOR CONTINUATION.
P7 NATURAL GAS UP TO ABOVE GRADE AND LEVEL ABOVE. SEE P2.2A.ii FOR CONTINUATION.
P27 2" GAS PIPING DOWN FROM ABOVE. SEE P2.1A.ii FOR CONTINUATION.

KEY PLAN



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STATE OF NEW YORK
JONATHAN M. MESSE
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11-7-23

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22

REVISIONS

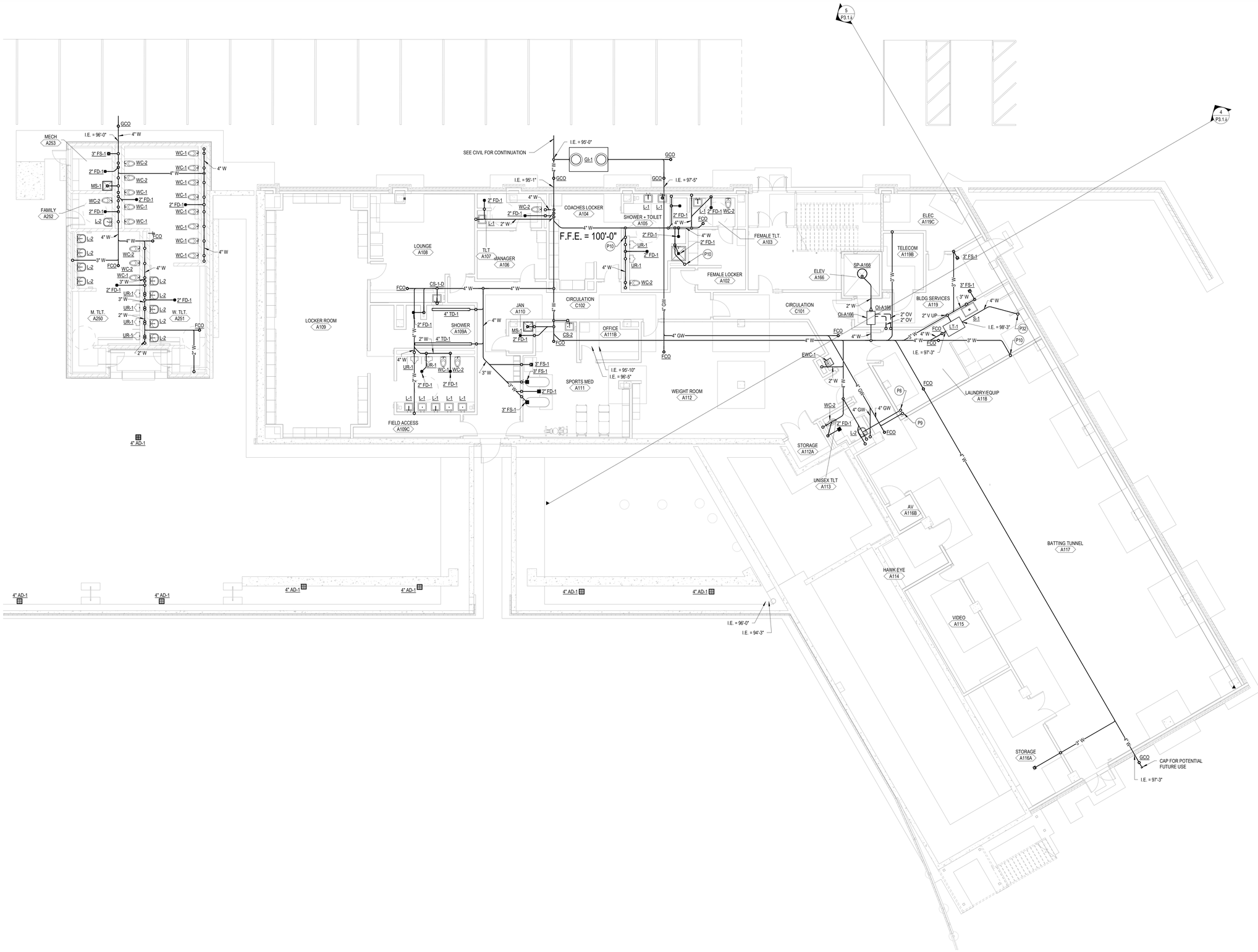
1	PKG 2 - ASI 001	04.07.23
2	PKG 2 - ASI 09	09.15.23
3	PKG 2 - ASI 11	11.07.23

57-21113-00

UNDERGROUND PLUMBING PLAN - AREA A - DOMESTIC

3

P1.1A.1.ii



UNDERGROUND PLUMBING PLAN - AREA A - DRAINAGE

SCALE: 1/8" = 1'-0"

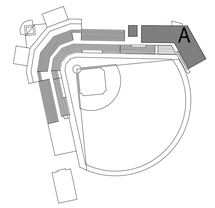
GENERAL NOTES

A. FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING P0.1.
B. TEST SANITARY DRAINAGE AND VENT PIPING ACCORDING TO PROCEDURES OF AUTHORITIES HAVING JURISDICTION OR, IN ABSENCE OF PUBLISHED PROCEDURES, AS FOLLOWS:
   1. TEST FOR LEAKS AND DEFECTS IN NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT SEPARATE REPORT FOR EACH TEST, COMPLETE WITH DIAGRAM OF PORTION OF PIPING TESTED.
   2. LEAVE UNCOVERED AND UNCONCEALED NEW, ALTERED, EXTENDED, OR REPLACED DRAINAGE AND VENT PIPING UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE WORK THAT WAS COVERED OR CONCEALED BEFORE IT WAS TESTED.
   3. ROUGHING-IN PLUMBING TEST PROCEDURE: TEST DRAINAGE AND VENT PIPING EXCEPT OUTSIDE LEADERS ON COMPLETION OF ROUGHING-IN. CLOSE OPENINGS IN PIPING SYSTEM AND FILL WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10-FOOT HEAD OF WATER (30 KPA). FROM 15 MINUTES BEFORE INSPECTION STARTS TO COMPLETION OF INSPECTION, WATER LEVEL MUST NOT DROP. INSPECT JOINTS FOR LEAKS.
   4. FINISHED PLUMBING TEST PROCEDURE: AFTER PLUMBING FIXTURES HAVE BEEN SET AND TRAPS FILLED WITH WATER, TEST CONNECTIONS AND PROVE THEY ARE GASTIGHT AND WATERTIGHT. PLUG VENT-STACK OPENINGS ON ROOF AND BUILDING DRAINS WHERE THEY LEAVE BUILDING. INTRODUCE AIR INTO PIPING SYSTEM EQUAL TO PRESSURE OF 1-INCH WG (250 PA). USE U-TUBE OR MANOMETER INSERTED IN TRAP OF WATER CLOSET TO MEASURE THIS PRESSURE. AIR PRESSURE MUST REMAIN CONSTANT WITHOUT INTRODUCING ADDITIONAL AIR THROUGHOUT PERIOD OF INSPECTION. INSPECT PLUMBING FIXTURE CONNECTIONS FOR GAS AND WATER LEAKS.
   5. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTION THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED.
   6. PREPARE REPORTS FOR TESTS AND REQUIRED CORRECTIVE ACTION.

SHEET NOTES

P8 STORM DRAINAGE DOWN FROM ABOVE SLAB. SEE P2.1A.ii FOR CONTINUATION.
P9 GREASE WASTE DOWN FROM ABOVE SLAB. SEE P2.1A.ii FOR CONTINUATION.
P10 SANITARY DOWN FROM ABOVE SLAB. SEE P2.1A.ii FOR CONTINUATION.
P32 4" SANITARY UP TO TRENCH DRAIN. REFER TO STRUCTURAL DRAWINGS AND DETAIL S1/S3.2.ii FOR ADDITIONAL INFORMATION.

KEY PLAN



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STATE OF NEW YORK
JONATHAN M. WESNER
091343
LICENSED PROFESSIONAL ENGINEER
11-7-23

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

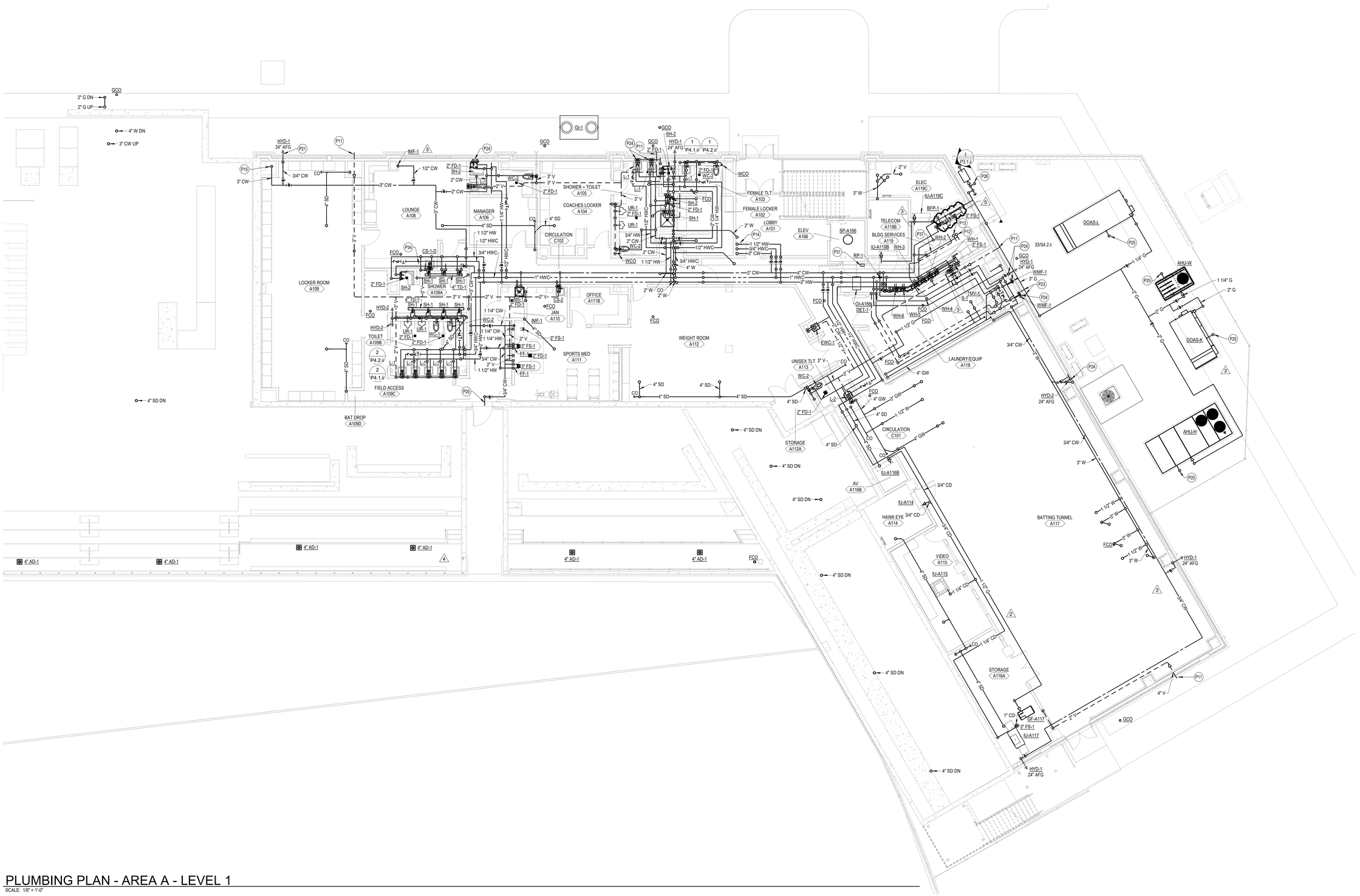
BID SET
11.04.22
REVISIONS

1	PKG 2 - ASI 001	04.07.23
2	PKG 2 - ASI 09	09.15.23
3	PKG 2 - ASI 11	11.07.23

57-21113-00

UNDERGROUND PLUMBING PLAN - AREA A - DRAINAGE

3
P1.1A.2.ii



PLUMBING PLAN - AREA A - LEVEL 1

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING P0.1.

SHEET NOTES

P11 4" SANITARY VENT TERMINATION. PROVIDE WITH 45° ELBOW WITH BIRD SCREEN.

P12 DOMESTIC COLD WATER UP TO LEVEL ABOVE. SEE P2.2A.ii FOR CONTINUATION.

P13 NATURAL GAS UP TO LEVEL ABOVE.

P14 DOMESTIC COLD AND HOT WATER UP TO LEVEL ABOVE AND DOMESTIC HOT WATER RECIRCULATION DOWN FROM LEVEL ABOVE. SEE P2.2A.ii FOR CONTINUATION.

P15 DOMESTIC COLD WATER DOWN TO BELOW GRADE. SEE P1.1A.ii FOR CONTINUATION.

P20 3/4" DOMESTIC COLD WATER TO WALL HYDRANT ABOVE SEATING BOWL WALKWAY ON LEVEL ABOVE. INSTALL SO THAT PIPING IS TIGHT TO BOTTOM OF STRUCTURE. SEE P2.2A.ii FOR CONTINUATION.

P21 WALL HYDRANT TO FUNCTION AS MAIN BUILDING BLOW DOWN CONNECTION. REFER TO DETAIL 1E/P5.1.ii FOR ADDITIONAL INFORMATION.

P23 4" OIL SEPARATOR VENT TERMINATIONS. PROVIDE WITH 45° ELBOW WITH BIRD SCREEN. INSTALL VENTS PER OIL SEPARATOR MANUFACTURER'S INSTRUCTIONS.

P24 ALL PLUMBING PIPING IN THIS EXTERIOR WALL TO BE INSTALLED ON INTERIOR SIDE OF INSULATION.

SHEET NOTES

P25 DRAIN CONDENSATE TO GRAVEL SURROUNDING CONCRETE EQUIPMENT PADS IN MECHANICAL YARD. CONDENSATE PIPING TO BE COPPER.

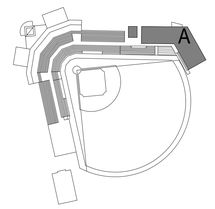
P26 2" GAS PIPING DOWN TO BELOW GRADE. SEE P1.1A.ii FOR CONTINUATION.

P31 INSTALL SUMP PUMP SIMPLEX ALARM PANEL IN THIS LOCATION.

P34 CONNECT DISHWASHER DRAIN TO SINK SANITARY. REFER TO DETAIL 5A/P5.1.ii.

P37 ROUTE GAS AND DOMESTIC COLD WATER PIPING STACKED TIGHT TOGETHER AS HIGH AS POSSIBLE BETWEEN CONCRETE STRUCTURAL BEAMS ABOVE DUCTWORK.

KEY PLAN



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STATE OF NEW YORK
JONATHAN M. WESNER
093443
LICENSED PROFESSIONAL ENGINEER
11-7-23

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22

REVISIONS

1	CONSTRUCTION DOCS	03.06.23
2	PKG 2 - ASI 001	04.07.23
3	PKG 2 - ASI 07	08.07.23
4	PKG 2 - ASI 09	09.15.23
5	PKG 2 - ASI 11	11.07.23

57-21113-00

PLUMBING PLAN - AREA A - LEVEL 1

P2.1A.ii

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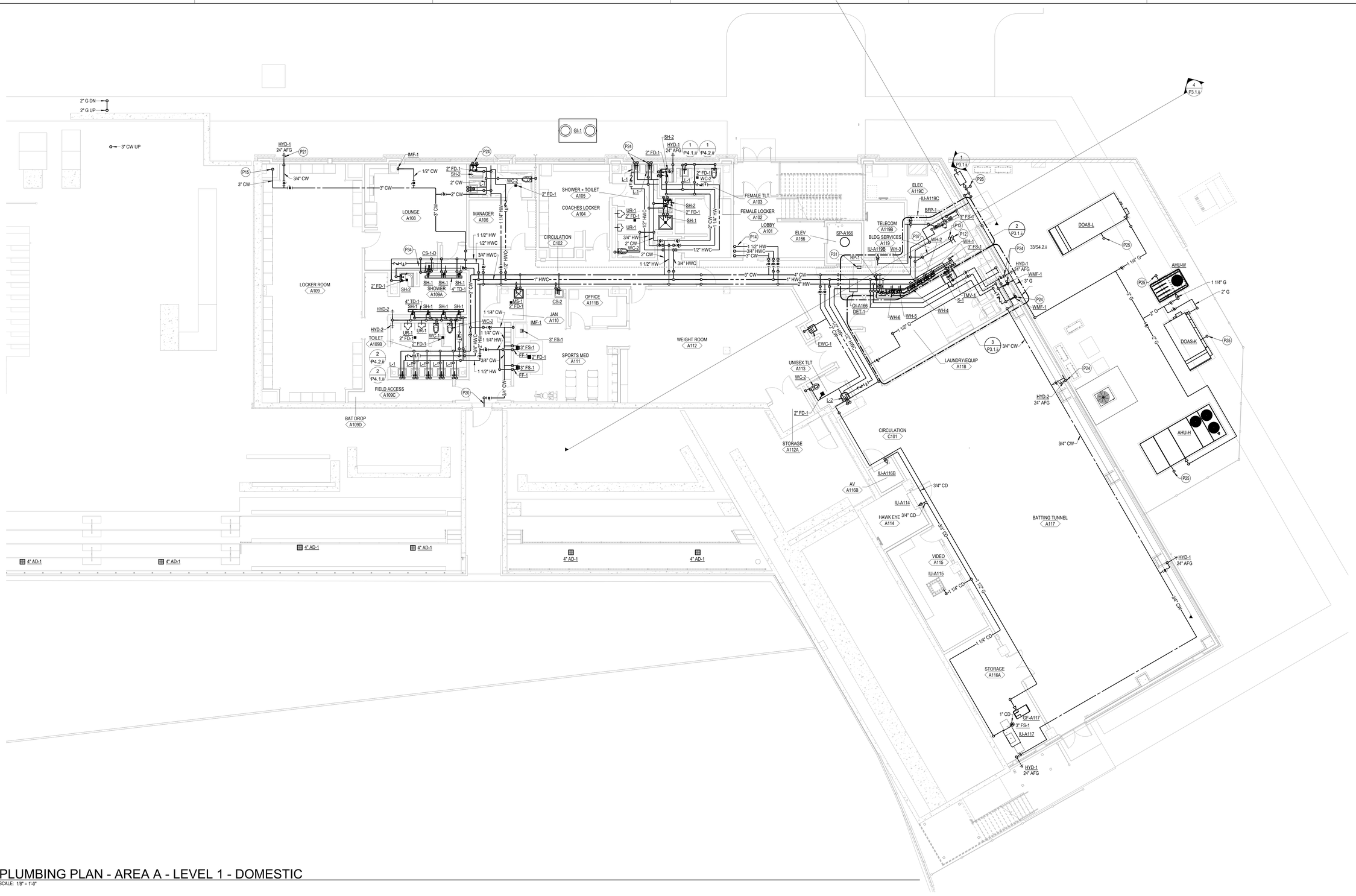


N

PLUMBING PLAN - AREA A - LEVEL 1 - DOMESTIC

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING P0.1.
B. PIPING TESTS:
1. FILL DOMESTIC WATER PIPING. CHECK COMPONENTS TO DETERMINE THAT THEY ARE NOT AIR BOUND AND THAT PIPING IS FULL OF WATER.
2. TEST FOR LEAKS AND DEFECTS IN NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT A SEPARATE REPORT FOR EACH TEST, COMPLETE WITH DIAGRAM OF PORTION OF PIPING TESTED.
3. LEAVE NEW, ALTERED, EXTENDED, OR REPLACED DOMESTIC WATER PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE WORK THAT WAS COVERED OR CONCEALED BEFORE IT WAS TESTED.
4. CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 50 PSIG (345 KPA) ABOVE OPERATING PRESSURE, WITHOUT EXCEEDING PRESSURE RATING OF PIPING SYSTEM MATERIALS. ISOLATE TEST SOURCE AND ALLOW IT TO STAND FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED.
5. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS, AND RETEST PIPING OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED.
6. PREPARE REPORTS FOR TESTS AND FOR CORRECTIVE ACTION REQUIRED.

GENERAL NOTES

C. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
1. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.
2. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION; IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652 OR FOLLOW PROCEDURES DESCRIBED BELOW:
a. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
b. FILL AND ISOLATE SYSTEM ACCORDING TO EITHER OF THE FOLLOWING:
- FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 PPM (50 MG/L) OF CHLORINE. ISOLATE WITH VALVES AND ALLOW TO STAND FOR 24 HOURS.
- FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200 PPM (200 MG/L) OF CHLORINE. ISOLATE AND ALLOW TO STAND FOR THREE HOURS.
c. FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME.

GENERAL NOTES

d. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
e. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION.
D. CLEAN NON-POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
1. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.
2. USE PURGING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION OR; IF METHODS ARE NOT PRESCRIBED, FOLLOW PROCEDURES DESCRIBED BELOW:
a. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
b. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
E. PREPARE AND SUBMIT REPORTS OF PURGING AND DISINFECTING ACTIVITIES. INCLUDE COPIES OF WATER-SAMPLE APPROVALS FROM AUTHORITIES HAVING JURISDICTION.
F. CLEAN INTERIOR OF DOMESTIC WATER PIPING SYSTEM. REMOVE DIRT AND DEBRIS AS WORK PROGRESSES.

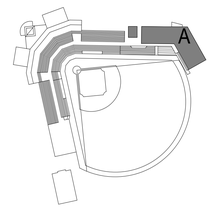
SHEET NOTES

P12 DOMESTIC COLD WATER UP TO LEVEL ABOVE. SEE P2.2A.ii FOR CONTINUATION.
P13 NATURAL GAS UP TO LEVEL ABOVE.
P14 DOMESTIC COLD AND HOT WATER UP TO LEVEL ABOVE AND DOMESTIC HOT WATER RECIRCULATION DOWN FROM LEVEL ABOVE. SEE P2.2A.ii FOR CONTINUATION.
P15 DOMESTIC COLD WATER DOWN TO BELOW GRADE. SEE P1.1A.ii FOR CONTINUATION.
P20 3/4" DOMESTIC COLD WATER TO WALL HYDRANT ABOVE SEATING BOWL WALKWAY ON LEVEL ABOVE. INSTALL SO THAT PIPING IS TIGHT TO BOTTOM OF STRUCTURE. SEE P2.2A.ii FOR CONTINUATION.
P21 WALL HYDRANT TO FUNCTION AS MAIN BUILDING BLOW DOWN CONNECTION. REFER TO DETAIL 1E/P5.1.ii FOR ADDITIONAL INFORMATION.

SHEET NOTES

P24 ALL PLUMBING PIPING IN THIS EXTERIOR WALL TO BE INSTALLED ON INTERIOR SIDE OF INSULATION.
P25 DRAIN CONDENSATE TO GRAVEL SURROUNDING CONCRETE EQUIPMENT PADS IN MECHANICAL YARD. CONDENSATE PIPING TO BE COPPER.
P28 2" GAS PIPING DOWN TO BELOW GRADE. SEE P1.1A.ii FOR CONTINUATION.
P31 INSTALL SUMP PUMP SIMPLEX ALARM PANEL IN THIS LOCATION.
P34 CONNECT DISHWASHER DRAIN TO SINK SANITARY. REFER TO DETAIL 5A/P5.1.ii.
P37 ROUTE GAS AND DOMESTIC COLD WATER PIPING STACKED TIGHT TOGETHER AS HIGH AS POSSIBLE BETWEEN CONCRETE STRUCTURAL BEAMS ABOVE DUCTWORK.

KEY PLAN



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STATE OF NEW YORK
JONATHAN M. WESIK
095343
LICENSED PROFESSIONAL ENGINEER
11-7-23

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22

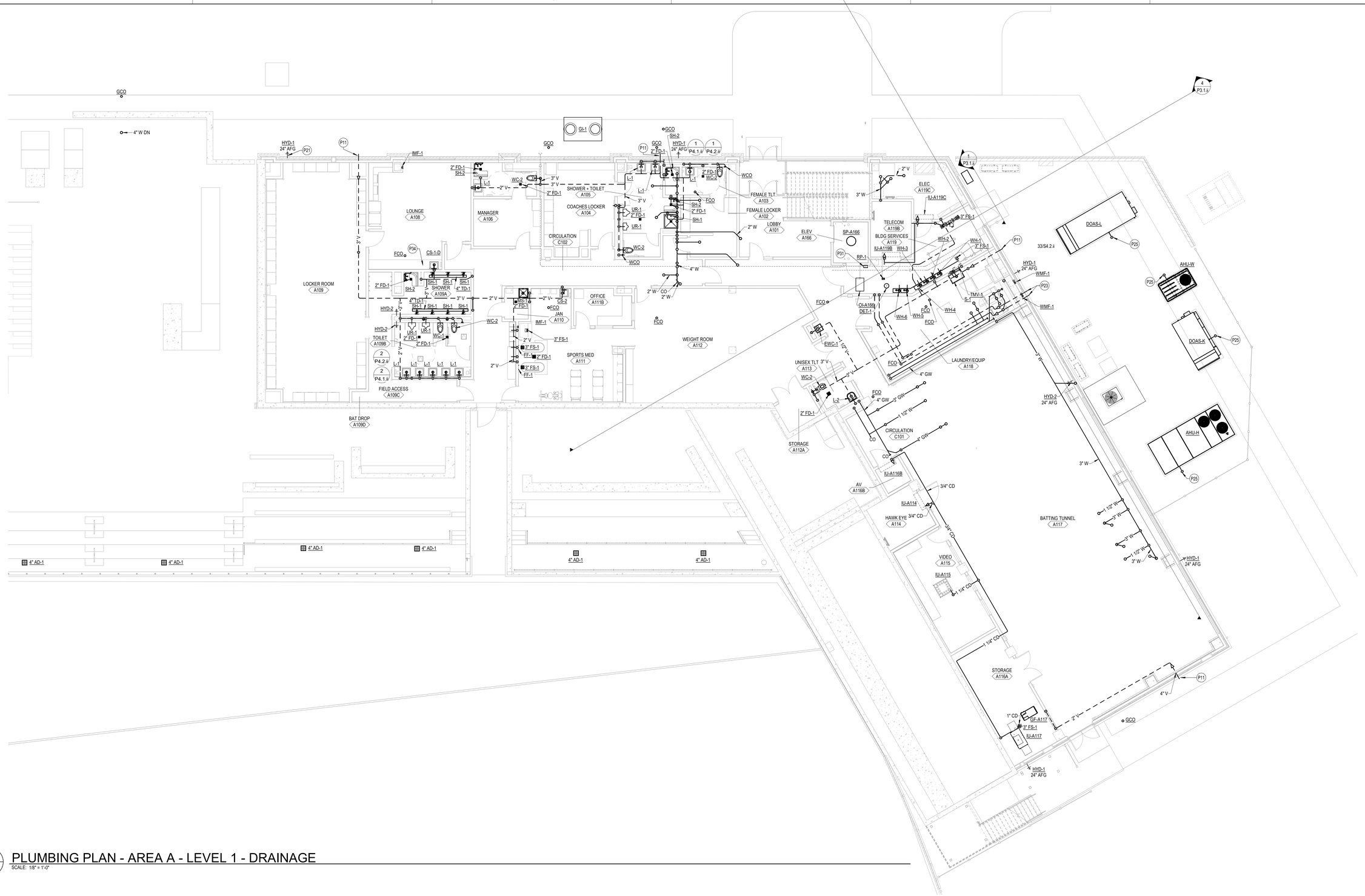
REVISIONS

1	PKG 2 - ASI 001	04.07.23
2	PKG 2 - ASI 07	08.07.23
3	PKG 2 - ASI 09	09.15.23
4	PKG 2 - ASI 11	11.07.23

57-21113-00

PLUMBING PLAN - AREA A - LEVEL 1 - DOMESTIC

4
P2.1A.1.ii



N

PLUMBING PLAN - AREA A - LEVEL 1 - DRAINAGE

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING P0.1.
B. TEST SANITARY DRAINAGE AND VENT PIPING ACCORDING TO PROCEDURES OF AUTHORITIES HAVING JURISDICTION OR, IN ABSENCE OF PUBLISHED PROCEDURES, AS FOLLOWS:
1. TEST FOR LEAKS AND DEFECTS IN NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT SEPARATE REPORT FOR EACH TEST, COMPLETE WITH DIAGRAM OF PORTION OF PIPING TESTED.
2. LEAVE UNCOVERED AND UNCONCEALED NEW, ALTERED, EXTENDED, OR REPLACED DRAINAGE AND VENT PIPING UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE WORK THAT WAS COVERED OR CONCEALED BEFORE IT WAS TESTED.
3. ROUGHING-IN PLUMBING TEST PROCEDURE: TEST DRAINAGE AND VENT PIPING EXCEPT OUTSIDE LEADERS ON COMPLETION OF ROUGHING-IN. CLOSE OPENINGS IN PIPING SYSTEM AND FILL WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10-FOOT HEAD OF WATER (30 KPA). FROM 15 MINUTES BEFORE INSPECTION STARTS TO COMPLETION OF INSPECTION, WATER LEVEL MUST NOT DROP. INSPECT JOINTS FOR LEAKS.

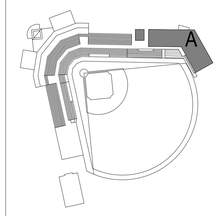
GENERAL NOTES

4. FINISHED PLUMBING TEST PROCEDURE: AFTER PLUMBING FIXTURES HAVE BEEN SET AND TRAPS FILLED WITH WATER, TEST CONNECTIONS AND PROVE THEY ARE GASTIGHT AND WATERTIGHT. PLUG VENT-STACK OPENINGS ON ROOF AND BUILDING DRAINS WHERE THEY LEAVE BUILDING. INTRODUCE AIR INTO PIPING SYSTEM EQUAL TO PRESSURE OF 1-INCH WG (250 PA). USE U-TUBE OR MANOMETER INSERTED IN TRAP OF WATER CLOSET TO MEASURE THIS PRESSURE. AIR PRESSURE MUST REMAIN CONSTANT WITHOUT INTRODUCING ADDITIONAL AIR THROUGHOUT PERIOD OF INSPECTION. INSPECT PLUMBING FIXTURE CONNECTIONS FOR GAS AND WATER LEAKS.
5. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTION THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED.
6. PREPARE REPORTS FOR TESTS AND REQUIRED CORRECTIVE ACTION.

SHEET NOTES

P11 4" SANITARY VENT TERMINATION. PROVIDE WITH 45° ELBOW WITH BIRD SCREEN.
P21 WALL HYDRANT TO FUNCTION AS MAIN BUILDING BLOW DOWN CONNECTION. REFER TO DETAIL 1E/P5.1.ii FOR ADDITIONAL INFORMATION.
P23 4" OIL SEPARATOR VENT TERMINATIONS. PROVIDE WITH 45° ELBOW WITH BIRD SCREEN. INSTALL VENTS PER OIL SEPARATOR MANUFACTURER'S INSTRUCTIONS.
P25 DRAIN CONDENSATE TO GRAVEL SURROUNDING CONCRETE EQUIPMENT PADS IN MECHANICAL YARD. CONDENSATE PIPING TO BE COPPER.
P31 INSTALL SUMP PUMP SIMPLEX ALARM PANEL IN THIS LOCATION.
P34 CONNECT DISHWASHER DRAIN TO SINK SANITARY. REFER TO DETAIL 5A/P5.1.ii.

KEY PLAN



DLR Group

STATE OF NEW YORK
JONATHAN M. WESIK
LICENSED PROFESSIONAL ENGINEER
091343
11-7-23

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22

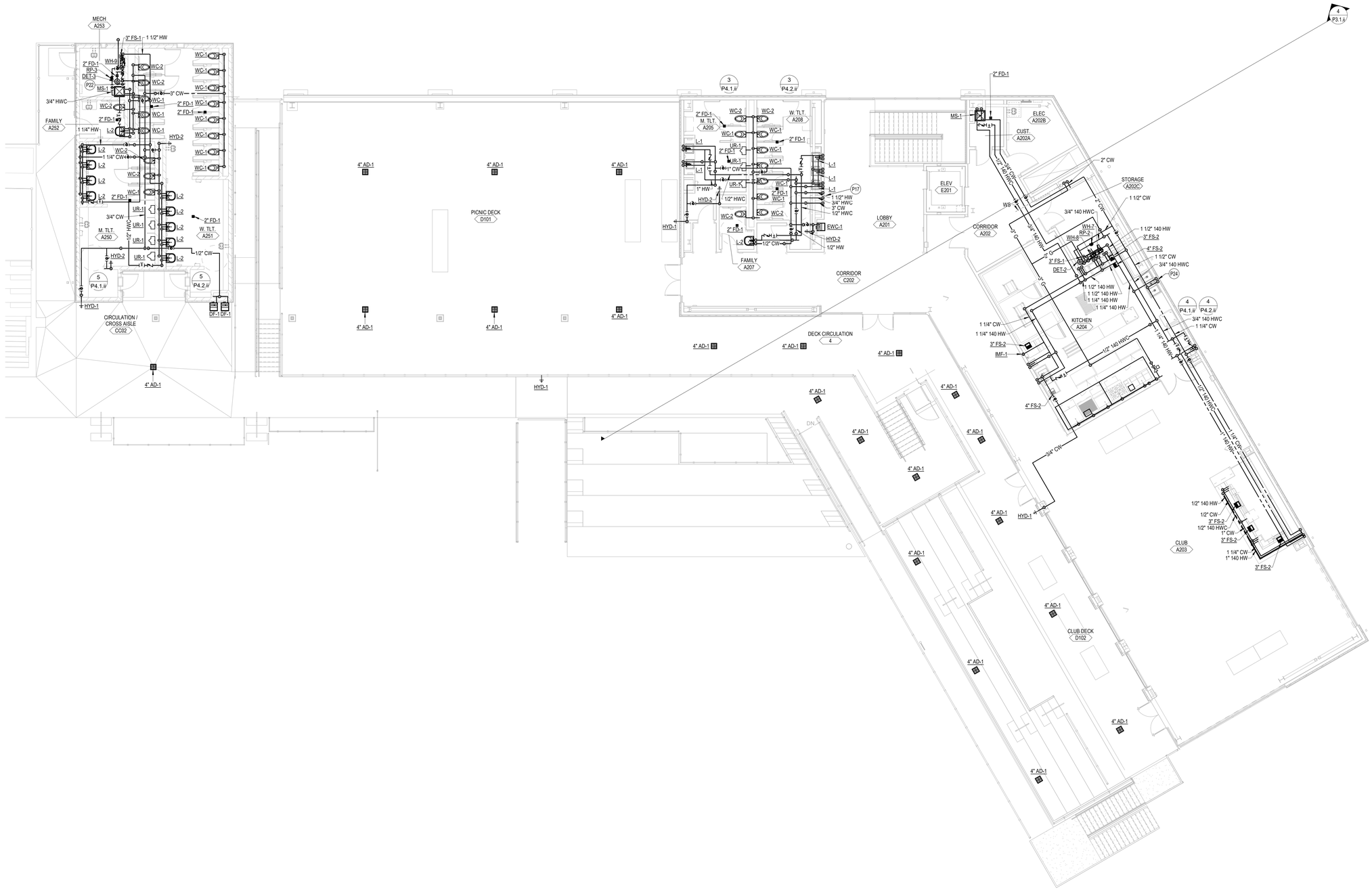
REVISIONS

1	PKG 2 - ASI 001	04.07.23
2	PKG 2 - ASI 07	08.07.23
3	PKG 2 - ASI 09	09.15.23
4	PKG 2 - ASI 11	11.07.23

57-21113-00

PLUMBING PLAN - AREA A - LEVEL 1 - DRAINAGE

4
P2.1A.2.ii



PLUMBING PLAN - AREA A - LEVEL 2 - DOMESTIC

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING P0.1.

B. PIPING TESTS:
1. FILL DOMESTIC WATER PIPING. CHECK COMPONENTS TO DETERMINE THAT THEY ARE NOT AIR BOUND AND THAT PIPING IS FULL OF WATER.
2. TEST FOR LEAKS AND DEFECTS IN NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT A SEPARATE REPORT FOR EACH TEST, COMPLETE WITH DIAGRAM OF PORTION OF PIPING TESTED.
3. LEAVE NEW, ALTERED, EXTENDED, OR REPLACED DOMESTIC WATER PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE WORK THAT WAS COVERED OR CONCEALED BEFORE IT WAS TESTED.
4. CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 50 PSIG (345 KPA) ABOVE OPERATING PRESSURE, WITHOUT EXCEEDING PRESSURE RATING OF PIPING SYSTEM MATERIALS. ISOLATE TEST SOURCE AND ALLOW IT TO STAND FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED.
5. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS, AND RETEST PIPING OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED.
6. PREPARE REPORTS FOR TESTS AND FOR CORRECTIVE ACTION REQUIRED.

C. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
1. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.
2. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION; IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652 OR FOLLOW PROCEDURES DESCRIBED BELOW:
   a. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
   b. FILL AND ISOLATE SYSTEM ACCORDING TO EITHER OF THE FOLLOWING:
      - FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 PPM (50 MG/L) OF CHLORINE. ISOLATE WITH VALVES AND ALLOW TO STAND FOR 24 HOURS.
      - FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200 PPM (200 MG/L) OF CHLORINE. ISOLATE AND ALLOW TO STAND FOR THREE HOURS.
   c. FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME.
   d. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
   e. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION.

D. CLEAN NON-POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
1. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.
2. USE PURGING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION OR; IF METHODS ARE NOT PRESCRIBED, FOLLOW PROCEDURES DESCRIBED BELOW:
   a. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
   b. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.

E. PREPARE AND SUBMIT REPORTS OF PURGING AND DISINFECTING ACTIVITIES. INCLUDE COPIES OF WATER-SAMPLE APPROVALS FROM AUTHORITIES HAVING JURISDICTION.

F. CLEAN INTERIOR OF DOMESTIC WATER PIPING SYSTEM. REMOVE DIRT AND DEBRIS AS WORK PROGRESSES.

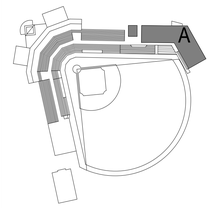
SHEET NOTES

P17 DOMESTIC COLD AND HOT WATER UP FROM LEVEL BELOW AND DOMESTIC HOT WATER RECIRCULATION DOWN TO LEVEL BELOW. SEE P2.1A.ii FOR CONTINUATION.

P22 REMOTE LOCATION BLOW DOWN CONNECTION. REFER TO DETAIL 1E/P5.1.ii FOR ADDITIONAL INFORMATION.

P24 ALL PLUMBING PIPING IN THIS EXTERIOR WALL TO BE INSTALLED ON INTERIOR SIDE OF INSULATION.

KEY PLAN



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STATE OF NEW YORK
JONATHAN M. MESH
091343
LICENSED PROFESSIONAL ENGINEER
11-7-23

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22
REVISIONS
1 PKG 2 - ASI 07 08.07.23
2 PKG 2 - ASI 11 11.07.23

57-21113-00

PLUMBING PLAN - AREA A - LEVEL 2 - DOMESTIC

2
P2.2A.1.ii

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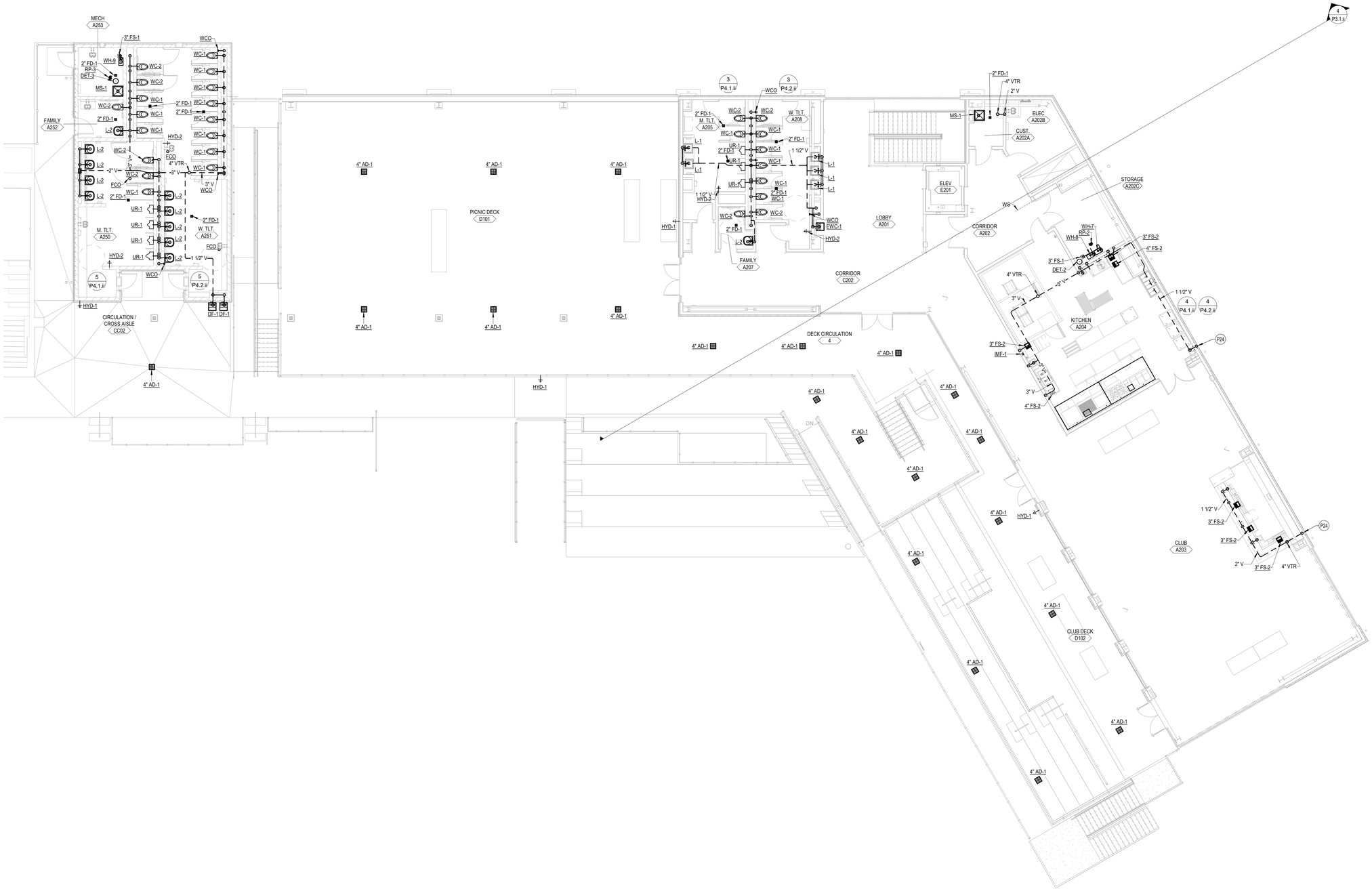


PLUMBING PLAN - AREA A - LEVEL 2 - DRAINAGE

SCALE: 1/8" = 1'-0"

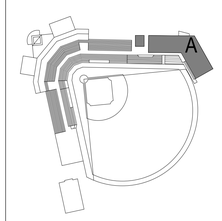
GENERAL NOTES

A. FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING P0.1.
B. TEST SANITARY DRAINAGE AND VENT PIPING ACCORDING TO PROCEDURES OF AUTHORITIES HAVING JURISDICTION OR, IN ABSENCE OF PUBLISHED PROCEDURES, AS FOLLOWS:
   1. TEST FOR LEAKS AND DEFECTS IN NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT SEPARATE REPORT FOR EACH TEST, COMPLETE WITH DIAGRAM OF PORTION OF PIPING TESTED.
   2. LEAVE UNCOVERED AND UNCONCEALED NEW, ALTERED, EXTENDED, OR REPLACED DRAINAGE AND VENT PIPING UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE WORK THAT WAS COVERED OR CONCEALED BEFORE IT WAS TESTED.
   3. ROUGHING-IN PLUMBING TEST PROCEDURE: TEST DRAINAGE AND VENT PIPING EXCEPT OUTSIDE LEADERS ON COMPLETION OF ROUGHING-IN. CLOSE OPENINGS IN PIPING SYSTEM AND FILL WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10-FOOT HEAD OF WATER (30 KPA). FROM 15 MINUTES BEFORE INSPECTION STARTS TO COMPLETION OF INSPECTION, WATER LEVEL MUST NOT DROP. INSPECT JOINTS FOR LEAKS.
   4. FINISHED PLUMBING TEST PROCEDURE: AFTER PLUMBING FIXTURES HAVE BEEN SET AND TRAPS FILLED WITH WATER, TEST CONNECTIONS AND PROVE THEY ARE GASTIGHT AND WATERTIGHT. PLUG VENT-STACK OPENINGS ON ROOF AND BUILDING DRAINS WHERE THEY LEAVE BUILDING. INTRODUCE AIR INTO PIPING SYSTEM EQUAL TO PRESSURE OF 1-INCH WG (250 PA). USE U-TUBE OR MANOMETER INSERTED IN TRAP OF WATER CLOSET TO MEASURE THIS PRESSURE. AIR PRESSURE MUST REMAIN CONSTANT WITHOUT INTRODUCING ADDITIONAL AIR THROUGHOUT PERIOD OF INSPECTION. INSPECT PLUMBING FIXTURE CONNECTIONS FOR GAS AND WATER LEAKS.
   5. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTION THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED.
   6. PREPARE REPORTS FOR TESTS AND REQUIRED CORRECTIVE ACTION.

SHEET NOTES

P24 ALL PLUMBING PIPING IN THIS EXTERIOR WALL TO BE INSTALLED ON INTERIOR SIDE OF INSULATION.

KEY PLAN



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STATE OF NEW YORK
JONATHAN M. WESIN
091343
LICENSED PROFESSIONAL ENGINEER
11-7-23

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING

OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22
REVISIONS
1 PKG 2 - AS1 07 08.07.23
2 PKG 2 - AS 11 11.07.23

57-21113-00

PLUMBING PLAN - AREA A - LEVEL 2 - DRAINAGE

P2.2A.2.ii

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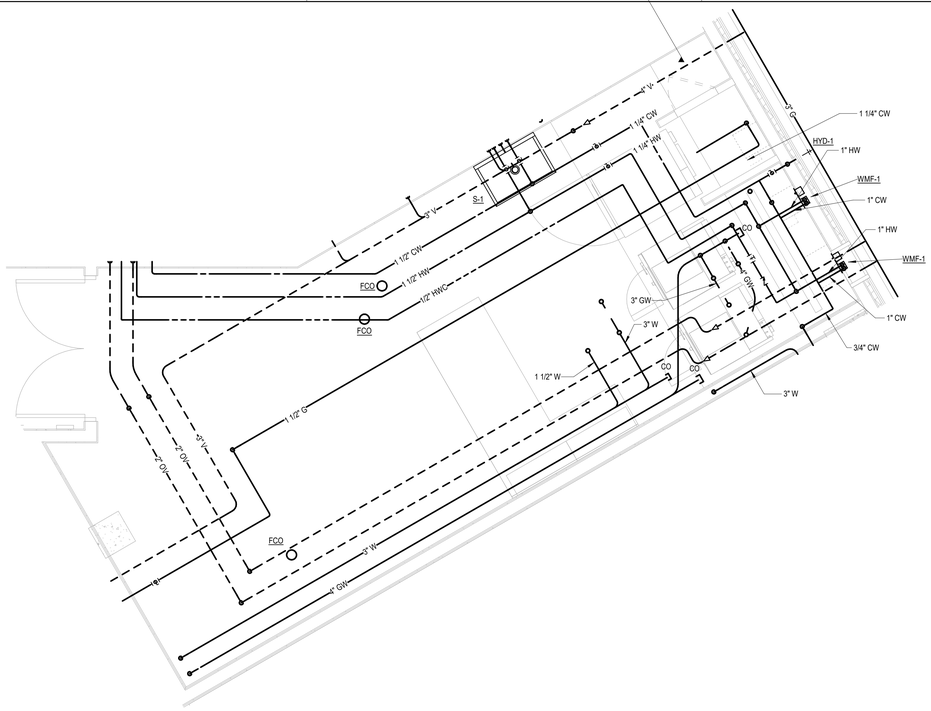
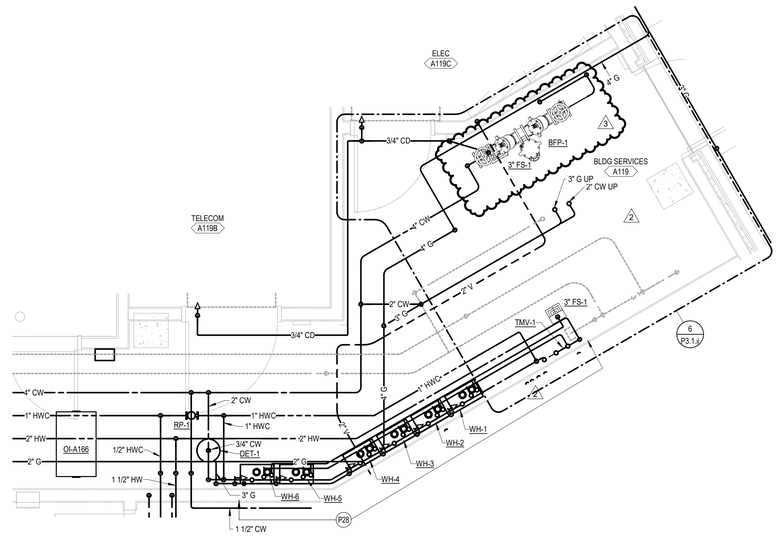
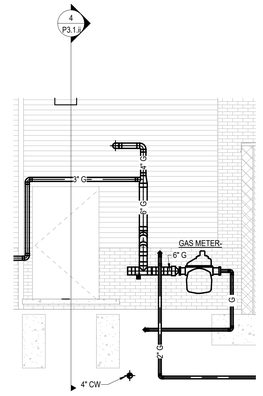


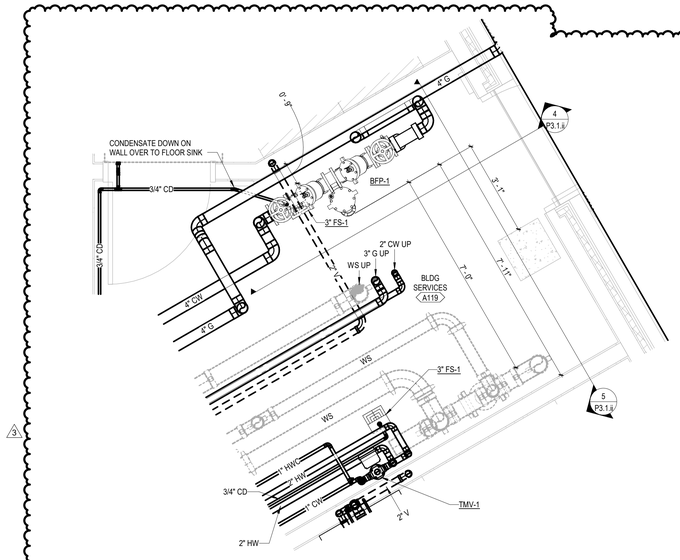
3 P3.1.ii LAUNDRY/EQUIP (A118) ENLARGED PLUMBING PLAN
SCALE: 3/8" = 1'-0"



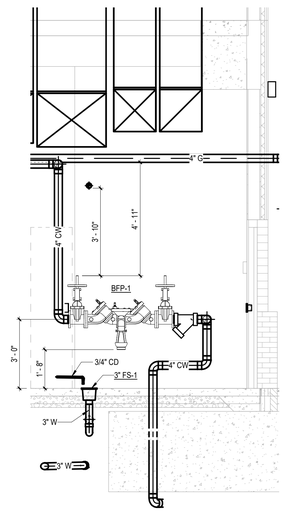
2 P3.1.ii BLDG SERVICES (A123) ENLARGED PLUMBING PLAN
SCALE: 3/8" = 1'-0"



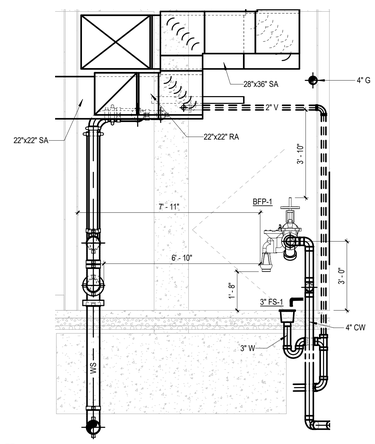
1 P3.1.ii GAS METER SECTION
SCALE: 1/4" = 1'-0"



6 P3.1.ii BACKFLOW PREVENTER ENLARGED PLAN
SCALE: 1/2" = 1'-0"



4 P3.1.ii DOMESTIC WATER BACKFLOW PREVENTER ELEVATION
SCALE: 3/8" = 1'-0"



5 P3.1.ii DOMESTIC WATER BACKFLOW PREVENTER SECTION
SCALE: 3/8" = 1'-0"

GENERAL NOTES

A FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING P0.1.

SHEET NOTES

P28 REFER TO DETAIL 5D/P5.1.ii FOR PIPE SIZES TO WATER HEATERS AND ADDITIONAL INFORMATION.

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STATE OF NEW YORK
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LICENSED PROFESSIONAL ENGINEER
11-7-23

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OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22

REVISIONS

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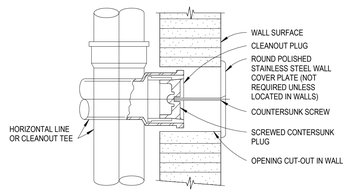
2	PKG 2 - ASI 07	08.07.23
3	PKG 2 - ASI 11	11.07.23

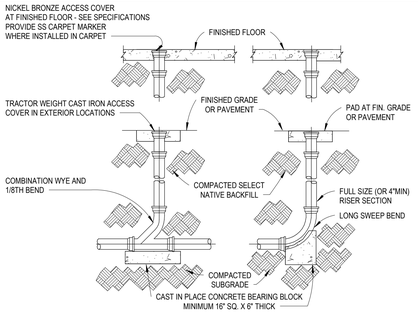
57-21113-00

ENLARGED PLUMBING PLANS AND SECTIONS

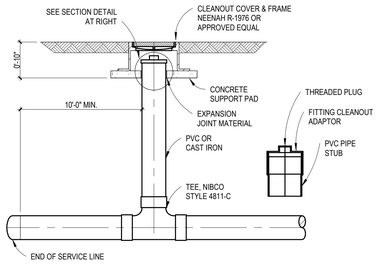
P3.1.ii



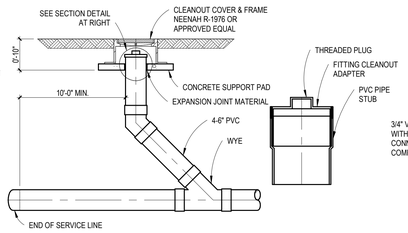
1A P5.1.ii — WALL CLEANOUT DETAIL
NO SCALE



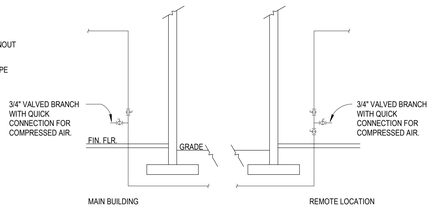
1B P5.1.ii — CLEANOUT DETAILS
NO SCALE



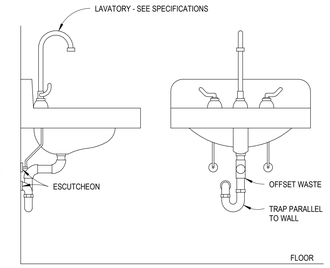
1C P5.1.ii — FINISHED GRADE 2-WAY CLEANOUT DETAIL
NO SCALE



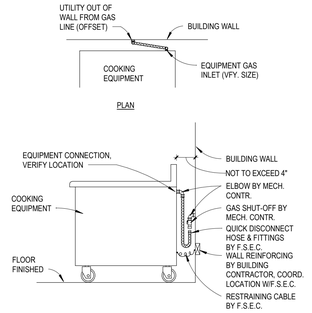
1D P5.1.ii — FINISHED FLOOR CLEANOUT DETAIL
NO SCALE



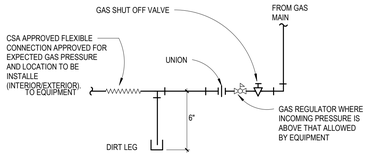
1E P5.1.ii — BLOW DOWN CONNECTION DETAIL
NO SCALE



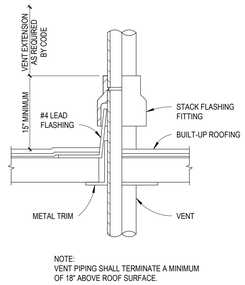
1F P5.1.ii — ADA ACCESSIBLE LAVATORY DETAIL
NO SCALE



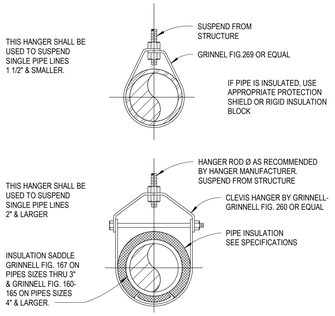
2A P5.1.ii — GAS DISCONNECT DETAIL
NO SCALE



2B P5.1.ii — GAS CONNECTION DETAIL
NO SCALE



2C P5.1.ii — PLUMBING ROOF VENT DETAIL
NO SCALE



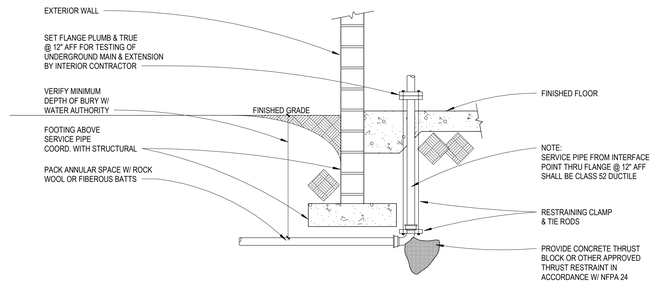
SEE TABLE BELOW FOR SUPPORT SPACING REQUIREMENTS.

IPC TABLE 308.5		
PIPING MATERIAL	MAXIMUM HORIZONTAL SPACING (FEET)	MAXIMUM VERTICAL SPACING (FEET)
ABS PIPE	4	10 (b)
CAST-IRON PIPE	5 (a)	15
COPPER OR COPPER -ALLOY PIPE	12	10
COPPER OR COPPER -ALLOY TUBING 1-1/4" DIAMETER AND SMALLER	6	10
COPPER OR COPPER -ALLOY TUBING 1-1/2" DIAMETER AND LARGER	10	10
CROSS-LINKED POLYETHYLENE (PEX) PIPE (c)	2.67 (32")	10 (b)
CPVC PIPE OR TUBING 1" DIAMETER AND SMALLER	3	10 (b)
CPVC PIPE OR TUBING 1-1/4" DIAMETER AND LARGER	4	10 (b)
STEEL PIPE	12	15
POLYPROPYLENE PIPE OR TUBING 1" DIAMETER AND SMALLER	4	10 (b)
POLYPROPYLENE PIPE OR TUBING 1-1/4" DIAMETER AND SMALLER	4	10 (b)
PVC PIPE	4	10 (b)

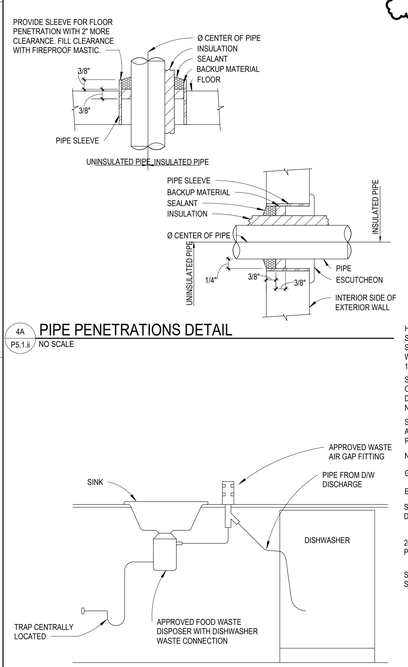
NOTES
(a) THE MAXIMUM HORIZONTAL SPACING OF CAST-IRON PIPE HANGERS SHALL BE INCREASED TO 10 FEET WHERE 10-FOOT LENGTHS OF PIPE ARE INSTALLED.
(b) MIDSTORY GUIDE FOR SIZES 2 INCHES AND SMALLER

REMARKS
1) HANGERS AND SUPPORTING MATERIALS SHALL BE OF AN APPROVED MATERIAL THAT WILL NOT PROMOTE GALVANIC ACTION.
2) HANGERS AND ANCHORS SHALL BE ATTACHED TO THE BUILDING CONSTRUCTION IN AN APPROVED MANNER.

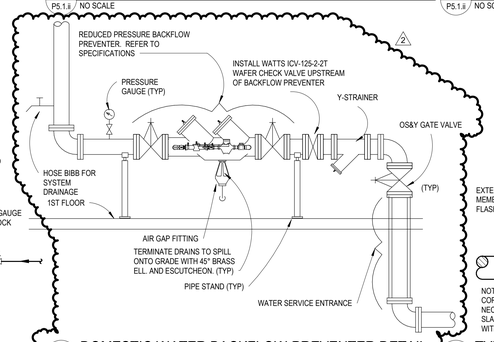
2D P5.1.ii — PIPE HANGER SUPPORT DETAIL
NO SCALE



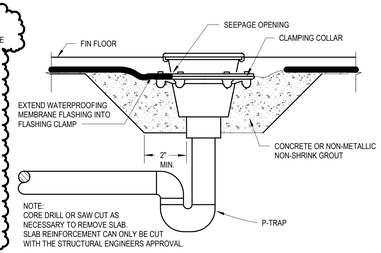
2E P5.1.ii — DOMESTIC WATER SERVICE ENTRANCE DETAIL
NO SCALE



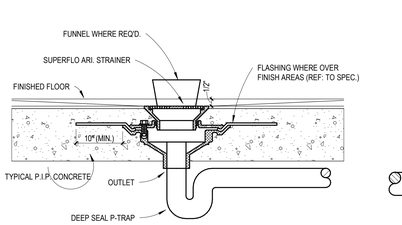
3A P5.1.ii — INLINE CIRCULATOR PUMP DETAIL
NO SCALE



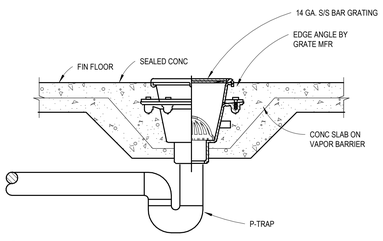
3B P5.1.ii — DOMESTIC WATER BACKFLOW PREVENTER DETAIL
NO SCALE



3C P5.1.ii — TYPICAL FLOOR SINK ON ELEVATED SLAB DETAIL
NO SCALE

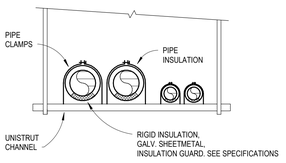


3E P5.1.ii — TYP. FLOOR DRAIN DETAIL SLAB ON GRADE DETAIL
NO SCALE

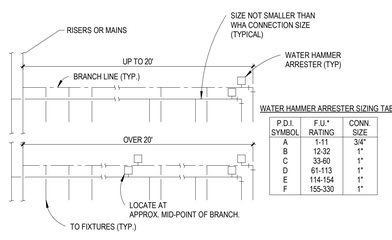


3F P5.1.ii — TYPICAL FLOOR SINK DETAIL
NO SCALE

4A P5.1.ii — PIPE PENETRATIONS DETAIL
NO SCALE



4C P5.1.ii — TRAPEZE HANGER DETAIL
NO SCALE

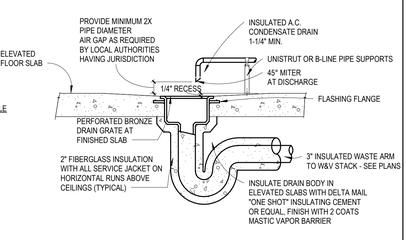


WATER HAMMER ARRESTER SIZING TABLE

P.D.I. SYMBOL	F.U.* RATING	CONN. SIZE
A	1-11	3/4"
B	12-32	1"
C	33-60	1"
D	61-113	1"
E	114-154	1"
F	155-330	1"

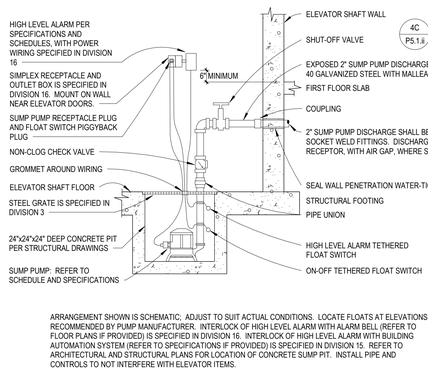
4D P5.1.ii — PIPE HANGER SUPPORT DETAIL
NO SCALE

4E P5.1.ii — WATER HAMMER ARRESTOR DETAIL
NO SCALE



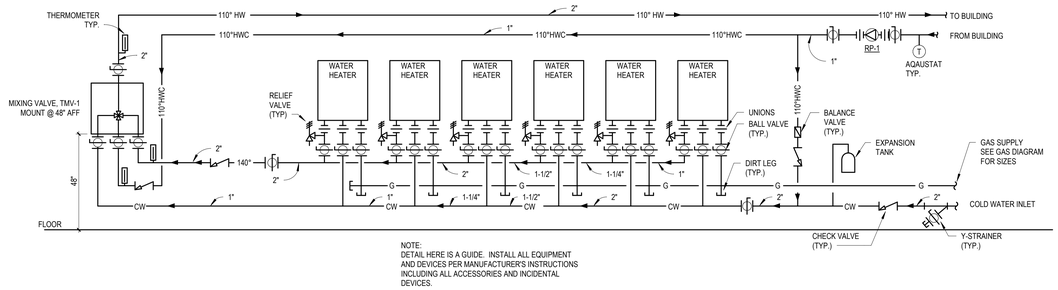
4F P5.1.ii — TYP. FLOOR DRAIN DETAIL ELEVATED SLAB DETAIL
NO SCALE

5A P5.1.ii — DISHWASHER PIPING DETAIL
NO SCALE



ARRANGEMENT SHOWN IS SCHEMATIC; ADJUST TO SUIT ACTUAL CONDITIONS. LOCATE FLOATS AT ELEVATIONS RECOMMENDED BY PUMP MANUFACTURER. INTERLOCK OF HIGH LEVEL ALARM WITH ALARM BELL (REFER TO FLOOR PLANS IF PROVIDED) IS SPECIFIED IN DIVISION 16. INTERLOCK OF HIGH LEVEL ALARM WITH BUILDING AUTOMATION SYSTEM (REFER TO SPECIFICATIONS IF PROVIDED) IS SPECIFIED IN DIVISION 15. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR LOCATION OF CONCRETE SUMP PIT. INSTALL PIPE AND CONTROLS TO NOT INTERFERE WITH ELEVATOR ITEMS.

5B P5.1.ii — ELEVATOR PIT SUMP PUMP DETAIL
NO SCALE



NOTE:
DETAIL HERE IS A GUIDE. INSTALL ALL EQUIPMENT AND DEVICES PER MANUFACTURER'S INSTRUCTIONS INCLUDING ALL ACCESSORIES AND INCIDENTAL DEVICES.

5D P5.1.ii — TANKLESS GAS WATER HEATER DETAIL - NEW CLUBHOUSE
NO SCALE

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11.04.22

REVISIONS

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2	PKG 2 - ASI 11	11.07.23

57-21113-00

PLUMBING DETAILS

P5.1.ii

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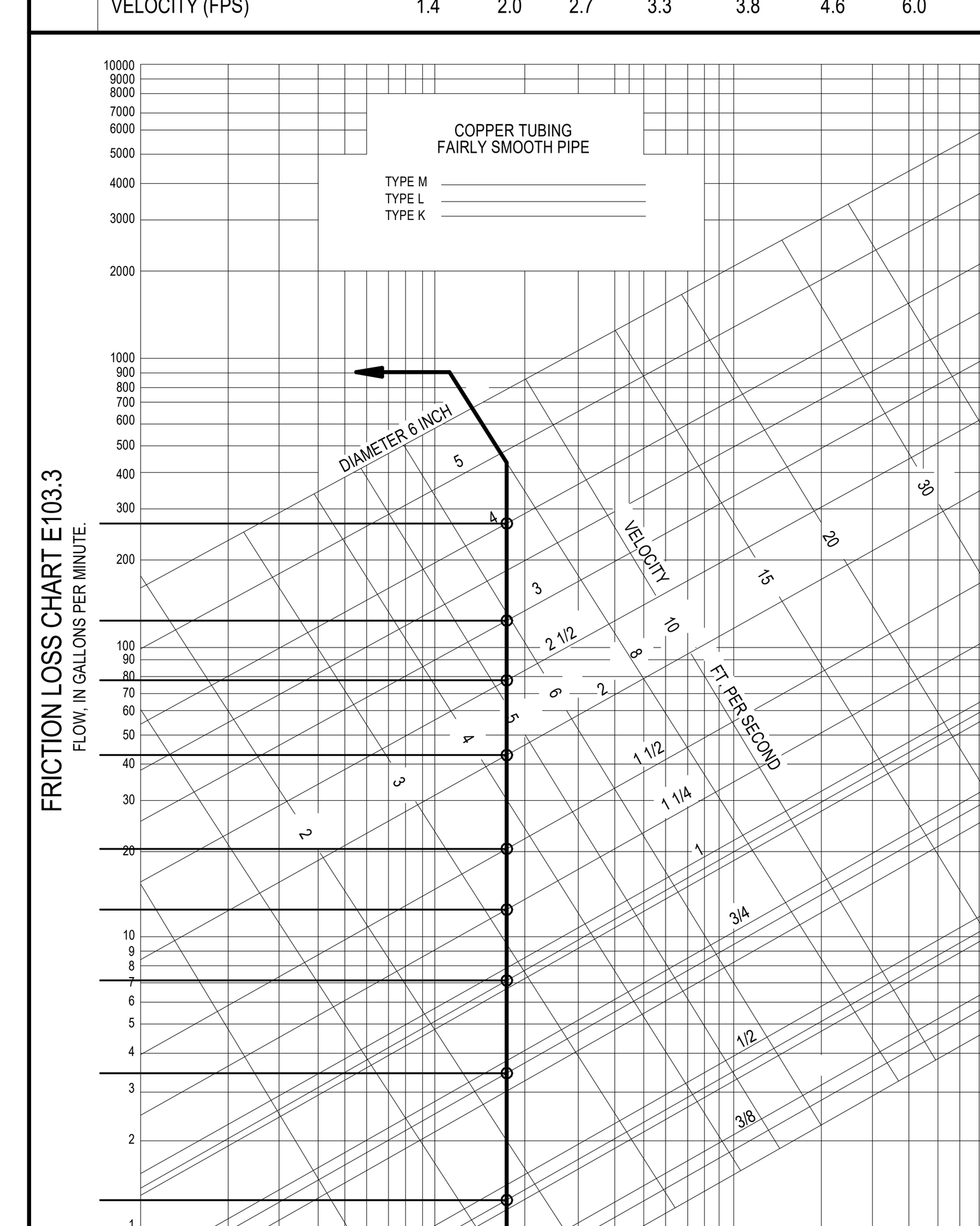
	A	B	C	D	E	F

PIPE SIZE TABLE	SYSTEM SIZED BASED ON 1.8 PSI LOSS PER 100 FT. OF PIPE OR 8 FT/SEC MAX. VELOCITY							
PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"	4"
MAX. GPM	1	3	7	13	21	44	128	272
MAX. FLUSH TANK F.U.	0	1	3	8	22	102	521	1526
MAX. FLUSH VALVE F.U.	-	-	-	-	7	35	406	1526
VELOCITY (FPS)	1.4	2.0	2.7	3.3	3.8	4.6	6.0	7.3



DOMESTIC FIXTURE SCHEDULE

ID	DESCRIPTION	QTY	MATERIAL DESCRIPTION	FINISH	TRIM: MANUFACTURER	TRIM: MODEL	TRIM: TYPE	TRIM: MOTION SENSOR CONTROL	FLOW FIXTURE: WATER FLOW	FLOW FIXTURE: CWT	FLOW FIXTURE: HWT	FLOW FIXTURE: MAX. MWT	FLUSH FIXTURE: VOL. PER FLUSH	FLUSH FIXTURE: MIN. VOL. PER FLUSH	PIPE CONNECTION SIZE: WASTE PRIMARY	WASTE AUX	WASTE INDIRECT	VENT	COLD WATER	HOT WATER	SPECIFICATION	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL
BFP-1	DOMESTIC WATER BACKFLOW PREVENTER	1						No		40 °F		40 °F							4"		LEAD FREE, BRONZE REDUCED PRESSURE ZONE ASSEMBLY. PROVIDE WITH WATTS ICV-125-2-2 CHECK VALVE (INSTALL UPSTREAM OF BACKFLOW PREVENTER).	WATTS	LF909
CS-1-D	SINGLE BOWL SINK	1	STAINLESS STEEL	STAINLESS STEEL	CHICAGO FAUCET CO	895-317ABCP	MANUAL	No	1.0 GPM	40 °F	120 °F	105 °F			1-1/2"			1-1/2"	1/2"	1/2"	SEAMLESS #18 GAUGE, TYPE 302 (18-8) NICKEL BEARING STAINLESS. SATIN FINISH FULLY UNDERCOATED, HOLES AT 4" O.C. 5-1/2" BOWL DEPTH, 1-3/4" RADIUS COVED CORNERS. SELF RIMMING. OFF-CENTERED REAR RIGHT DRAIN CONNECTION. DECK MOUNT FAUCET WITH 4" CENTERS, 3-1/2" RIGID GOOSENECK, AND 4" WRISTBLADE HANDLES. PROVIDE BASKET STRAINTER AND DRAIN. PROVIDE WITH IN-SINK-ERATOR EVOLUTION EXCEL 1 HP DISPOSER, 120V/60, 10.2 AMPS, WITH POWER CORD KIT. INSTALL DISPOSER TIGHT IN BACK LEFT CORNER UNDER SINK.	ELKAY	LRAD221955-3
CS-2	SINGLE BOWL SINK	1	STAINLESS STEEL	STAINLESS STEEL	CHICAGO FAUCET CO	895-317ABCP	MANUAL	No	1.0 GPM	40 °F	120 °F	105 °F			1-1/2"			1-1/2"	1/2"	1/2"	SEAMLESS #18 GAUGE, TYPE 302 (18-8) NICKEL BEARING STAINLESS. SATIN FINISH FULLY UNDERCOATED, HOLES AT 4" O.C. 5-1/2" BOWL DEPTH, 1-3/4" RADIUS COVED CORNERS. SELF RIMMING. OFF-CENTERED REAR RIGHT DRAIN CONNECTION. DECK MOUNT FAUCET WITH 4" CENTERS, 3-1/2" RIGID GOOSENECK, AND 4" WRISTBLADE HANDLES. PROVIDE BASKET STRAINTER AND DRAIN.	ELKAY	LRAD221955-3
DF-1	DRINKING FOUNTAIN - ADA	2	GALVANIZED STEEL	STAINLESS STEEL CABINET				No	0.1 GPM	40 °F		40 °F			2"			1-1/2"	1/2"		SINGLE LEVEL WALL HUNG DRINKING FOUNTAIN WITH VANDAL-RESISTANT BOTTLE FILLING STATION RATED FOR OUTDOOR USE. PROVIDE MODEL 98324C CANE APRON. PROVIDE WITH CHROME 1-1/4" CAST BRASS 17 GAGE P-TRAP, CHROME SUPPLY PIPES WITH METAL WHEEL HANDLE STOPS, AND STAINLESS STEEL LOWER SHROUD. MOUNT UNIT AT ADA COMPLIANT HEIGHT.	ELKAY	VRCDWSK
EWC-1	ELECTRIC WATER COOLER - ADA	2	GALVANIZED STEEL	STAINLESS STEEL CABINET				No	0.1 GPM	40 °F		40 °F			2"			1-1/2"	1/2"		SINGLE LEVEL WALL HUNG ELECTRIC WATER COOLER BOTTLE FILLING STATION. PROVIDE MODEL 98324C CANE APRON. PROVIDE WITH CHROME 1-1/4" CAST BRASS 17 GAGE P-TRAP, CHROME SUPPLY PIPES WITH METAL WHEEL HANDLE STOPS, AND STAINLESS STEEL LOWER SHROUD. MOUNT UNIT AT ADA COMPLIANT HEIGHT.	ELKAY	EMABF8WSSK
FF-1	WALL MOUNTED TUB FILL FAUCET	2	STAINLESS STEEL	STAINLESS STEEL	CHICAGO FAUCET CO	640-L12E1-317YAB	MANUAL	No	1.0 GPM	40 °F	120 °F	105 °F							1/2"	1/2"	STAINLESS STEEL 12" L-TYPE SWING SPOUT, WALL MOUNTED FULL FLOW FAUCET WITH 4" WRISTBLADE HANDLES.	CHICAGO FAUCET CO	640-L12E1-317YAB
HYD-1	EXTERIOR WALL HYDRANT	9					MANUAL	No	2.5 GPM	40 °F		40 °F							3/4"		NON-FREEZE TYPE WALL HYDRANT, WITH DOUBLE CHECK BACKFLOW PREVENTER, VALVE ON THE INSIDE OF THE WALL, SPOUT WITH BACKFLOW PREVENTER, AND LOOSE KEY SOCKET ON THE OUTSIDE OF THE WALL. MAKE ARRANGEMENTS WITH THE GENERAL CONTRACTOR TO PROVIDE THE NECESSARY RECESS IN THE WALL. WHERE A RISER TO A WALL HYDRANT OCCURS IN AN OUTSIDE WALL THE CONTRACTOR SHALL INSULATE THE CHASE WITH 2" STYROFOAM INSULATION ON ALL SIDES OF THE CHASE, EXCEPT THE INSIDE WALL OF THE CHASE. PROVIDE SHUTOFF VALVE IN ACCESSIBLE LOCATION.	WOODFORD	67
HYD-2	INTERIOR WALL HYDRANT	7					MANUAL	No	2.5 GPM	40 °F		40 °F							3/4"		WALL HYDRANT, WITH DOUBLE CHECK BACKFLOW PREVENTER, VALVE ON THE INSIDE OF THE WALL, SPOUT WITH BACKFLOW PREVENTER, AND LOOSE KEY SOCKET ON THE OUTSIDE OF THE WALL. MAKE ARRANGEMENTS WITH THE GENERAL CONTRACTOR TO PROVIDE THE NECESSARY RECESS IN THE WALL. WHERE A RISER TO A WALL HYDRANT OCCURS IN AN OUTSIDE WALL THE CONTRACTOR SHALL INSULATE THE CHASE WITH 2" STYROFOAM INSULATION ON ALL SIDES OF THE CHASE, EXCEPT THE INSIDE WALL OF THE CHASE. PROVIDE SHUTOFF VALVE IN ACCESSIBLE LOCATION.	WOODFORD	86
IMF-1	ICE MAKER OUTLET BOX	3	GALVANIZED STEEL	GALVANIZED STEEL				No	0.5 GPM	40 °F	120 °F	105 °F							1/2"		GALVANIZED ICE MACHINE BOX.	GUY GRAY	BIM875
L-1	LAVATORY - COUNTER - ADA	14	WHITE VITREOUS CHINA	WHITE	SLOAN	ETF-880-4-B-BDT-CP	ELECTRONIC	Yes	0.5 GPM	40 °F	120 °F	105 °F			1-1/2"			1-1/2"	1/2"	1/2"	WHITE, VITREOUS CHINA, 24" X 20" OVAL COUNTERTOP LAVATORY, SELF-RIMMING, FAUCET HOLES ON 4" CENTERS. DECK-MOUNTED FAUCET WITH SENSOR, HARDWIRED POWER WITH VANDAL RESISTANT SPRAY AND 0.50 GPM AERATOR. PROVIDE WITH EXTERNAL ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE, GRID DRAIN, CHROME 1-1/4" CAST BRASS 17 GAGE P-TRAP. CHROME SUPPLY PIPES WITH METAL WHEEL HANDLE STOPS. INSTALL ADA COVER INSULATION FOR WATER AND DRAIN PIPES ACCESSIBLE BELOW COUNTER.	AMERICAN STANDARD	STUDIO S 24-INCH
L-2	LAVATORY - WALL HUNG - ADA	12	WHITE VITREOUS CHINA	WHITE	SLOAN	ETF-880-4-B-BDT-CP	ELECTRONIC	Yes	0.5 GPM	40 °F	120 °F	105 °F			1-1/2"			1-1/2"	1/2"	1/2"	WHITE, VITROUS CHINA 20" X 18" WALL HUNG LAVATORY WITH BACKSPLASH, FAUCET HOLES ON 4" CENTERS. DECK-MOUNTED FAUCET WITH SENSOR, HARDWIRED POWER WITH VANDAL RESISTANT SPRAY AND 0.50 GPM AERATOR. PROVIDE WITH CONCEALED ARM CARRIER, EXTERNAL ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE, CHROME 1-1/4" CAST BRASS 17 GAGE P-TRAP. CHROME SUPPLY PIPES WITH METAL WHEEL HANDLE STOPS, ADA COVER INSULATION FOR WATER AND DRAIN PIPES. PROVIDE CHROME PLATED BRASS TAILPIECE AND GRID DRAIN. PROVIDE CHROME PLATED BRASS P-TRAP. PROVIDE LOOSE KEY STOPS AND FLEXIBLE RISERS. PROVIDE CONCEALED ARM TYPE CARRIER WITH SQUARE TUBULAR STEEL UP-RIGHTS AND BLOCK TYPE BASES. INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS. REFER TO SPECIFICATIONS FOR INSULATION METHODS. SEE ARCHITECTRUAL PLANS FOR MOUNTING HEIGHT.	AMERICAN STANDARD	LUCERNE
MS-1	JANITOR SINK	3	MOLDED STONE		FIAT	830-AA	MANUAL	No	2.5 GPM	40 °F	120 °F	105 °F			3"			2"	3/4"	3/4"	24" X 24" FLOOR MOUNTED MOLDED STONE MOP BASIN, 830 AA WALL MOUNTED FAUCET WITH VACUUM BREAKER, PAIL HOOK, AND HOSE THREAD SPOUT, 889 CC MOP BRACKET, E-77-AA VINYL BUMPER GUARDS, 1453 BB SS STRAINER.	FIAT	MSB-2424
S-1	1-COMPARTMENT SINK	1	STAINLESS STEEL	STAINLESS STEEL	ELKAY	LK940AT08T4S	MANUAL	No	1.5 GPM	40 °F	120 °F	120 °F			3"			2"	1/2"	1/2"	27" X 27-1/2" X 42" ONE COMPARTMENT, 18 GAUGE 300 SERIES STAINLESS STEEL SINK WITH #4 FINISH ON STAINLESS STEEL LEGS. WALL MOUNT 8" ARC TUBE SPOUT WITH 4" WRISTBLADE HANDLES. PROVIDE WITH CHROME PLATED BRASS P-TRAP, CHROME PLATED BRASS TAILPIECE, FLEXIBLE RISERS AND LOOSE KEY STOPS.	ELKAY	B1C24X24X
SH-1	SHOWER, INDIVIDUAL	8		POLISHED CHROME	SYMMONS	C-96-1-295-X-A	MANUAL	No	1.5 GPM	40 °F	120 °F	105 °F							1/2"	1/2"	30° VANDAL RESISTANT CAST WALLMOUNT 1.5 GPM SHOWERHEAD, PRESSURE BALANCING CARTIRIGE WITH CHECKS, POLISHED CHROME PLATED FINISH, VALVE TRIM WITH METAL LEVER HANDLE. INSTALL FLOOR DRAIN FD-1 IN CENTER. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.	BY OTHERS	BY OTHERS
SH-2	DUAL SHOWER WITH ADA HANDSHOWER, GRAB BAR, AND ADA SLIDE	4		POLISHED CHROME	SYMMONS	C-96-500-B30-V-QD	MANUAL	No	2.0 GPM	40 °F	120 °F	105 °F							1/2"	1/2"	30° VANDAL RESISTANT CAST WALLMOUNT 2.0 GPM SHOWERHEAD, PRESSURE BALANCING CARTRIDGE WITH CHECKS, POLISHED CHROME PLATED FINISH, VALVE TRIM WITH METAL LEVER HANDLE AND 24" STAINLESS STEEL BAR WITH ADA SLIDE HANDSHOWER, TWO INTEGRAL CHECK VALVES AND SHOWER DIVERTER VALVE. INSTALL FLOOR DRAIN FD-1 IN CENTER. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT AND OTHER REQUIRED ACCESSORIES.	BY OTHERS	BY OTHERS
UR-1	URINAL	11	WHITE VITREOUS CHINA	WHITE	---	---	---	No							2"			1-1/2"			WATERLESS WALL HUNG URINAL, TOP SPUD, SIZE 18" WITH INTEGRAL EXTENDED SHIELDS SUPPORTED BY THROUGH GOING BOLTS AND C.P. NUTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.	AMERICAN STANDARD	FLOWISE - 6150.100
WC-1	WATER CLOSET - FLOOR MOUNT, BACK OUTLET - FLUSH VALVE	19	WHITE VITREOUS CHINA	WHITE	SLOAN	ROYAL 111 SFSM-1.28-HW	ELECTRONIC	Yes		40 °F		40 °F	1.28 gal	1.28 gal	4"			2"	1"		WHITE, ELONGATED BOWL, SIPHON JET, 1.1-1.6 GPF, VITREOUS CHINA, FLOOR MOUNTED AND BACK OUTLET WATER CLOSET, 1-1/2" TOP SPUD, WITH OLSONITE NO: 95 - ELONGATED WHITE OPEN FRONT SEAT, CHECK HINGE, LESS COVER. EXPOSED SLOAN ROYAL 111 SFSM-1.28-HW HARDWIRED SENSOR ACTIVATED FLUSHOMETER, 1" SCREWDRIVER BACK-CHECK, VANDAL RESISTANT STOP CAP, SPUD COUPLING FOR 1-1/2" TOP SPUD.	AMERICAN STANDARD	HURON UNIVERSAL
WC-2	WATER CLOSET - FLOOR MOUNT, BACK OUTLET - FLUSH VALVE - ADA	14	WHITE VITREOUS CHINA	WHITE	SLOAN	ROYAL 111 SFSM-1.28-HW	ELECTRONIC	Yes		40 °F		40 °F	1.28 gal	1.28 gal	4"			2"	1"		WHITE, ELONGATED BOWL, SIPHON JET, 1.1-1.6 GPF, VITREOUS CHINA, FLOOR MOUNTED AND BACK OUTLET WATER CLOSET, 1-1/2" TOP SPUD, WITH OLSONITE NO: 95 - ELONGATED WHITE OPEN FRONT SEAT, CHECK HINGE, LESS COVER. EXPOSED SLOAN ROYAL 111 SFSM-1.28-HW HARDWIRED SENSOR ACTIVATED FLUSHOMETER, 1" SCREWDRIVER BACK-CHECK, VANDAL RESISTANT STOP CAP, SPUD COUPLING FOR 1-1/2" TOP SPUD. WATER CLOSET TO BE ADA HEIGHT.	AMERICAN STANDARD	HURON UNIVERSAL
WMF-1	WASHING MACHINE OUTLET BOX	2	GALVANIZED STEEL	GALVANIZED STEEL				No	0.5 GPM	40 °F	120 °F	105 °F							3/4"	3/4"	GALVANIZED CENTER DRAIN WASHING MACHINE BOX. PROVIDE WITH VALVES AND DRAIN FITTINGS.	GUY GRAY	B200

WATER SYSTEM PIPING SIZING

(Based on 2020 NYPC)
Job Name.: Dutchess Stadium
57-21113-00

FIXTURE COUNT & GPM FIXTURES	IPC Water FIXTURE UNITS (each)	NUMBER OF PLUMBING FIXTURES	TOTAL FIXTURE UNITS	
Bathroom Group (Tank)	3.6	0	0	
Bathroom Group (FV)	8	0	0	
Bathtub (Pvt)	1.4	0	0	
Bathtub (Public)	4	2	8	
Dishwashing Machine (Pvt)	1.4	2	2.8	
Drinking Fountain	0.25	0	0	
Kitchen Sink (Pvt)	1.4	0	0	
Kitchen Sink (Hotel/Rest)	4	5	20	
Lavatory (Pvt)	0.7	0	0	
Lavatory (Public)	2	34	68	
Service Sink	3	4	12	
Shower Head (Public)	4	12	48	
Shower Heat (Pvt)	1.4	0	0	
Urinal (Waterless)	0	11	0	
Washing Machine (Pvt 8 lb)	1.4	0	0	
Washing Machine (Public 8 lb)	3	0	0	
Washing Machine (65 lb)	4	2	8	
Water Closet (Pvt Tank)	2.2	0	0	
Water Closet (Public FV)	10	33	330	
			496.8	**FU**
		=	**142.488**	**GPM**

PRESSURE		**RESIDUAL**	**STATIC**	
CITY WATER MAIN PRESSURE (PSI)		**54**	**60**	**PSI**

PRESSURE PROVIDED BY: **Email from Lou Bach (lbach@hveapc) - Civil on 7-19-21 @ 12:53 pm**

PRESSURE LOSS			
WATER METER: (3" METER AT 143 GPM)		5	
BACKFLOW PREVENTER: (4" RPBP AT 143 GPM)		12	
HEIGHT TO FIXTURE - FEET	**20**	8.66	
PRESSURE REQUIRED AT LAST FIXTURE		25	
		50.7	**PSI**
PRESSURE REMAINING FOR PIPE LOSS:		**9.3**	**PSI**

DISTANCE			
DISTANCE MAIN TO LAST FIXTURE		**465**	**FT**
FITTING FACTOR	x	1.1	
		511.5	**FT**
AVAILABLE PRESSURE LOSS DUE TO FRICTION PER 100 FT.		**1.8**	**PSI**

NOTE:
PIPES SIZED BASE ON 1.8 PSI LOSS PER 100 FOOT OF PIPE OR MAXIMUM VELOCITY OF 8 FT/SEC

NATURAL GAS USAGE SCHEDULE

EQUIPMENT MARK	AREA	GAS LOAD INPUT (MBH)
201	CONVECTION OVEN - KITCHEN	150
202	FRYER - KITCHEN	360
204	6-BURNER RANGE - KITCHEN	220
205	36" GRIDDLE - KITCHEN	130
206	36" CHARBROILER - KITCHEN	148
DRYER	LAUNDRY/EQUIP	165
GF-A117	BATTING TUNNEL	150
AHU-W	WEIGHT ROOM	150
DOAS-L	NEW LOCKER ROOM	200
DOAS-K	KITCHEN	350
AHU-H	HOSPITALITY AND CLUB AREA	600
WH-1	NEW CLUBHOUSE	199.9
WH-2	NEW CLUBHOUSE	199.9
WH-3	NEW CLUBHOUSE	199.9
WH-4	NEW CLUBHOUSE	199.9
WH-5	NEW CLUBHOUSE	199.9
WH-6	NEW CLUBHOUSE	199.9
WH-7	KITCHEN	199.9
WH-8	KITCHEN	199.9
WH-9	TOILET BUILDING	199.9
	BASE BID TOTAL CONNECTED LOAD	4422

GENERAL: PROVIDE GAS AT 10" W.C.
DESIGN BASED ON 380 FEET EQUIVALENT LENGTH OF PIPE.

BUILDING UTILITY DEMANDS

DOMESTIC WATER (GPM)	143 GPM
SANITARY (DFU)	NEW CLUBHOUSE: 156 DFU NEW TOILET BUILDING: 88 DFU
NATURAL GAS (2-PSI) DEMAND (CFH)	4422 CFH

FLOOR DRAIN SCHEDULE

ID	DESCRIPTION	QTY	MATERIAL DESCRIPTION: DRAIN BODY	MATERIAL DESCRIPTION: STRAINER	PRIMER CONNECTION	WASTE PIPE SIZE	VENT PIPE SIZE	PRIMER PIPE SIZE	SPECIFICATION	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL
AD-1	AREA DRAIN	27	DUCO CAST IRON	DUCTILE IRON	No	4"	2"	---	PROMENADE DECK DRAIN FOR INSULATED ROOF DECKS. DUCO CAST IRON BODY AND EXTENSION WITH SECONDARY FLASHING CLAMP AND (2) ROWS OF 1/4" DIAMETER SEEPAGE OPENINGS WITH SECURED SQUARE HOLE GRATE. PROVIDE WITH ADDITIONAL 2" PERFORATED EXTENSION AND SOLID EXTENSION AS NEEDED SO PERFORATED EXTENSION IS NOT IN CONTACT WITH CONCRETE.	JAY R SMITH	FIGURE 1459
FD-1	FLOOR DRAIN	25	EPOXY COATED CAST IRON	NICKEL BRONZE	No	2"	2"		SQUARE TOP FLOOR DRAIN WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD WITH NICKEL-BRONZE TOP AND SURESEAL TRAP SEAL OR EQUIVALENT.	JAY R SMITH	FIGURE 2010
FS-1	FLOOR SINK	8	EPOXY COATED CAST IRON	ALUMINUM		3"	2"	---	CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT COATED INTERIOR, NICKEL BRONZE RIM, ALUMINUM DOME BOTTOM STRAINER, AND FLASHING CLAMP. PROVIDE WITH NICKEL BRASS SQUARE TOP.	JAY R SMITH	FIGURE 3100
FS-2	FLOOR SINK	5	EPOXY COATED CAST IRON	ALUMINUM		3"	2"	---	12" SQUARE X 6" DEEP SANITARY FLOOR SINK WITH CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT COATED INTERIOR, NICKEL BRONZE RIM, ALUMINUM DOME BOTTOM STRAINER, AND FLASHING CLAMP. PROVIDE WITH NICKEL BRASS SQUARE TOP.	JAY R SMITH	FIGURE 3140
FS-2	FLOOR SINK	2	EPOXY COATED CAST IRON	ALUMINUM		4"	2"	---	12" SQUARE X 6" DEEP SANITARY FLOOR SINK WITH CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT COATED INTERIOR, NICKEL BRONZE RIM, ALUMINUM DOME BOTTOM STRAINER, AND FLASHING CLAMP. PROVIDE WITH NICKEL BRASS SQUARE TOP.	JAY R SMITH	FIGURE 3140
TD-1	TRENCH DRAIN	2	POLYPROPYLENE			4"	---		PRE-SLOPED TRENCH DRAIN SYSTEM WITH 6IN WIDE X 48IN LONG DUCTILE IRON FRAME, UV STABILIZED TALC-FILLED POLYPROPYLENE CHANNELS WITH 4IN NO HUB BOTTOM OR END OUTLETS. SYSTEM SHALL BE FRAME ANCHORED, WITH REINFORCED GALVANIZED SLOTTED GRATING TO SUIT DIN CLASS LOAD RATING. SYSTEM TO INCLUDE FRAME CONNECTORS, GRATE LOCKDOWNS, AND CONSTRUCTION COVERS. INSTALLATION TO BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND LOCAL BUILDING CODE.	WATTS	DEAD LEVEL D

GAS-FIRED WATER HEATER SCHEDULE

NOTES:
A. BASIS OF DESIGN MODEL NUMBERS ARE FOR REFERENCE ONLY. BID EQUIPMENT TO PROVIDE THE INDICATED PERFORMANCE.
B. SIZE AND INSTALL SCHEDULE 40 CPVC VENT AND COMBUSTION AIR PER MANUFACTURER'S INSTRUCTIONS BASED ON DISTANCE AND ELBOWS.
C. DIRECT VENT WATER HEATER.
D. PROVIDE WITH CONDENSATE NEUTRALIZATION KIT.

NOTES:
1. PROVIDE EXPANSION TANK. REFER TO EXPANSION TANK SCHEDULE THIS SHEET FOR BASIS OF DESIGN.

ID	LOCATION: NO.	LOCATION: NAME	TYPE	SERVES	GAS BURNER DATA: INPUT (BTUH)	CAPCITY (BTUH)	EFF (%)	FUEL: TYPE	FUEL: MIN PRESS (IN. W.C.)	WATERSIDE DATA: FLOW (GPM) DESIGN	FLOW (GPM) MIN @ MIN FIRE	WATER TEMPERATURE (°F) ENTERING	LEAVING	MAX TEMP RISE	THERMAL EFF (%)	ELECTRICAL DATA: FLA (A)	VOLT (V)	PH	WEIGHT (LBS)	BASIS OF DESIGN: MANUFACTURER	MODEL	NOTES
WH-1	A119	BLDG SERVICES	TANKLESS	NEW CLUBHOUSE	199.9	192	96	NG	4	5.4	0.4	50	120	70	96	2	120	1	82	RHEEM	RTGH-CM95DVLN	1
WH-2	A119	BLDG SERVICES	TANKLESS	NEW CLUBHOUSE	199.9	192	96	NG	4	5.4	0.4	50	120	70	96	2	120	1	82	RHEEM	RTGH-CM95DVLN	1
WH-3	A119	BLDG SERVICES	TANKLESS	NEW CLUBHOUSE	199.9	192	96	NG	4	5.4	0.4	50	120	70	96	2	120	1	82	RHEEM	RTGH-CM95DVLN	1
WH-4	A119	BLDG SERVICES	TANKLESS	NEW CLUBHOUSE	199.9	192	96	NG	4	5.4	0.4	50	120	70	96	2	120	1	82	RHEEM	RTGH-CM95DVLN	1
WH-5	A119	BLDG SERVICES	TANKLESS	NEW CLUBHOUSE	199.9	192	96	NG	4	5.4	0.4	50	120	70	96	2	120	1	82	RHEEM	RTGH-CM95DVLN	1
WH-6	A119	BLDG SERVICES	TANKLESS	NEW CLUBHOUSE	199.9	192	96	NG	4	5.4	0.4	50	120	70	96	2	120	1	82	RHEEM	RTGH-CM95DVLN	1
WH-7	A202C	STORAGE	TANKLESS	KITCHEN	199.9	192	96	NG	4	4.2	0.4	50	140	90	96	2	120	1	82	RHEEM	RTGH-CM95DVLN	1
WH-8	A202C	STORAGE	TANKLESS	KITCHEN	199.9	192	96	NG	4	4.2	0.4	50	140	90	96	2	120	1	82	RHEEM	RTGH-CM95DVLN	1
WH-9	A253	MECH	TANKLESS	TOILET BUILDING	199.9	192	96	NG	4	5.4	0.4	50	120	70	96	2	120	1	82	RHEEM	RTGH-CM95DVLN	1

DOMESTIC EXPANSION TANK SCHEDULE

GENERAL:
A. BASIS OF DESIGN MODEL NUMBERS ARE FOR REFERENCE ONLY. BID EQUIPMENT TO PROVIDE THE INDICATED PERFORMANCE.

ID	LOCATION: NO.	LOCATION: NAME	MATERIAL	FINISH	SYSTEM	TYPE	ARRANGEMENT	VOLUME (GAL)	MAX ACCEPT FACTOR	ACCEPT VOLUME (GAL)	PRESS RELIEF (PSI)	PRE CHARGE PRESS (PSI)	UNIT DIMENSIONS (IN): DIA	HEIGHT	WEIGHT (LBS)	BASIS OF DESIGN: MANUFACTURER	MODEL
DET-1	A119	BLDG SERVICES	STEEL - POLYPROPYLENE LINING	RED OXIDE PRIMER	DOM. WATER	FIXED DIAPHRAM	INLINE	6.4	0.50	3.2	100	30	12"	18"	70	AMTROL	ST-12C
DET-2	A202C	STORAGE	STEEL - POLYPROPYLENE LINING	RED OXIDE PRIMER	DOM. WATER	FIXED DIAPHRAM	INLINE	6.4	0.50	3.2	100	23	12"	18"	70	AMTROL	ST-12C
DET-3	A253	MECH	STEEL - POLYPROPYLENE LINING	RED OXIDE PRIMER	DOM. WATER	FIXED DIAPHRAM	INLINE	6.4	0.50	3.2	100	22	12"	18"	70	AMTROL	ST-12C

GREASE INTERCEPTOR SCHEDULE

GENERAL:
A. BASIS OF DESIGN MODEL NUMBERS ARE FOR REFERENCE ONLY. BID EQUIPMENT TO PROVIDE THE INDICATED PERFORMANCE.

NOTES:
1. MEETING STANDARD PDI-G101.

ID	LOCATION: NO.	LOCATION: NAME	TYPE	MATERIAL DESCRIPTION	COVER: DESCRIPTION	COVER: CONN	CAPACITY: LIQUID (GAL)	INSTALLATION: ARRANGEMENT	BTM OF EQUIPMENT ELEV (FT-IN)	ESTIMATED RISER HEIGHT (FT-IN)	PIPE CONNECTIONS: INLET INVERT (FT-IN)	INLET CONN	OUTLET INVERT	OUTLET CONN	DIMENSIONS (FT-IN): LENGTH	WIDTH	HEIGHT	WEIGHT (LBS)	BASIS OF DESIGN: MANUFACTURER	MODEL	NOTES
GI-1	-	EXTERIOR	GRAVITY	PRECAST CONCRETE	CAST IRON	24"	1,000	BELOW GRADE	-8' - 7 27/32"	2' - 7 27/32"	-3' - 7 27/32"	4"	-3' - 10 27/32"	4"	8' - 2"	5' - 1"	6' - 0"	11000 lb	JENSEN	JP1000-G	1

OIL INTERCEPTOR SCHEDULE

GENERAL:
A. BASIS OF DESIGN MODEL NUMBERS ARE FOR REFERENCE ONLY. BID EQUIPMENT TO PROVIDE THE INDICATED PERFORMANCE.

NOTES:
1. PROVIDE WITH EXTENSION AS NECESSARY FOR RECESSED INSTALLATION OF TOP FLUSH WITH FINISHED FLOOR.

ID	LOCATION: NO.	LOCATION: NAME	TYPE	MATERIAL DESCRIPTION	COVER DESCRIPTION	DESIGN FLOW (GPM)	CAPACITY (GAL): LIQUID	OIL	SOLIDS	INSTALLATION: ARRANGEMENT	BOTTOM OF EQUIP ELEV (FT-IN)	ESTIMATED RISER HEIGHT (FT-IN)	PIPE CONNS (IN): INLET	OUTLET	DIMENSIONS (FT-IN): LENGTH	WIDTH	HEIGHT	BASIS OF DESIGN: MANUFACTURER	MODEL	NOTES
OI-A166	A119	BLDG SERVICES	GRAVITY	EXPOXY COATED STEEL	EPOXY COATED STEEL	50	20	0	0	BELOW GRADE	-1' - 9 1/2"	0' - 6 29/32"	4"	4"	2' - 10"	1' - 9"	1' - 10"	WATTS	OI-50	1

DOMESTIC CIRCULATING PUMP SCHEDULE

GENERAL:
A. BASIS OF DESIGN MODEL NUMBERS ARE FOR REFERENCE ONLY. BID EQUIPMENT TO PROVIDE THE INDICATED PERFORMANCE.

NOTES:
1. PROVIDE AQUASTAT AND AUTOMATIC TIMER KIT

ID	LOCATION: NO.	LOCATION: NAME	TYPE	PUMP DATA: DESIGN FLOW (GPM)	HEAD (FT)	MOTOR RPM	ELECTRICAL DATA: FLA (A)	VOLT (V)	PH	WEIGHT (LBS)	BASIS OF DESIGN: MANUFACTURER	MODEL	NOTES
RP-1	A119	BLDG SERVICES	INLINE	5	15	4518	0.6	115	1	6	BELL & GOSSETT	ecocirc N 20-18F	1
RP-2	A202C	STORAGE	INLINE	1	4	2800	0.5	115	1	10	BELL & GOSSETT	NBF-12F/LW	1
RP-3	A253	MECH	INLINE	1	4	2800	0.5	115	1	10	BELL & GOSSETT	NBF-12F/LW	1

SUMP PUMP SCHEDULE

GENERAL:
A. BASIS OF DESIGN MODEL NUMBERS ARE FOR REFERENCE ONLY. BID EQUIPMENT TO PROVIDE THE INDICATED PERFORMANCE.

NOTES:
1. PROVIDE PUMP WITH UL LISTED 3-WIRE CORD AND PLUG. VERIFY REQUIRED LENGTH BEFORE ORDERING.
2. PROVIDE ZOELLER 'UNICHECK' COMBINATION UNION AND CHECK VALVE.
3. PROVIDE PUMP WITH OIL SMART SWITCH AND SIMPLEX ALARM PANEL WITH 20 FT PIGGYBACK ELECTRICAL CORD.

ID	LOCATION: NO.	LOCATION: NAME	SYSTEM NAME	TYPE	PUMP DATA: FLOW (GPM)	HEAD (FT)	MOTOR: QTY	HP	RPM	ECM	BASIN DIMENSIONS: DEPTH (FT-IN)	DIA ("ø)	ELECTRICAL DATA: FLA (A)	VOLT (V)	PH	WEIGHT (LBS)	BASIS OF DESIGN: MANUFACTURER	MODEL	NOTES
SP-A166	A166	ELEV	W 98	SIMPLEX	50	25	1	0.5	3450	No	2' - 6"	24"	15	115	1	80	ZOELLER	MODEL 161	1,2,3

DLR Group

STATE OF NEW YORK
JONATHAN M. MESIK
091343
LICENSED PROFESSIONAL ENGINEER
11-7-23

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 9D, FISHKILL, NY 12590

BID SET
11.04.22
REVISIONS

1	CONSTRUCTION DOCS	03.06.23
2	PKG 2 - ASI 11	11.07.23

57-21113-00

PLUMBING SCHEDULES

P6.1.ii

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