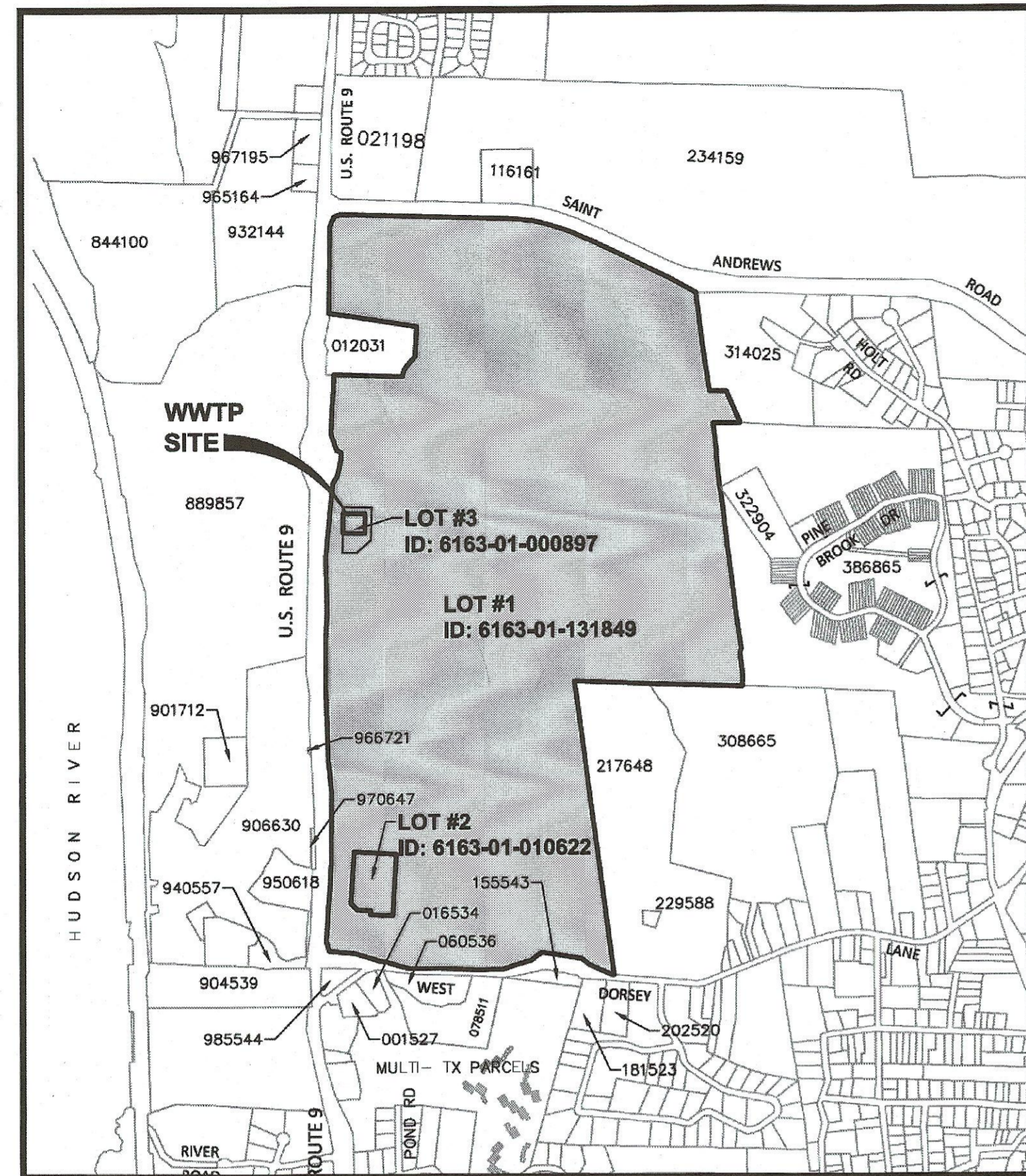


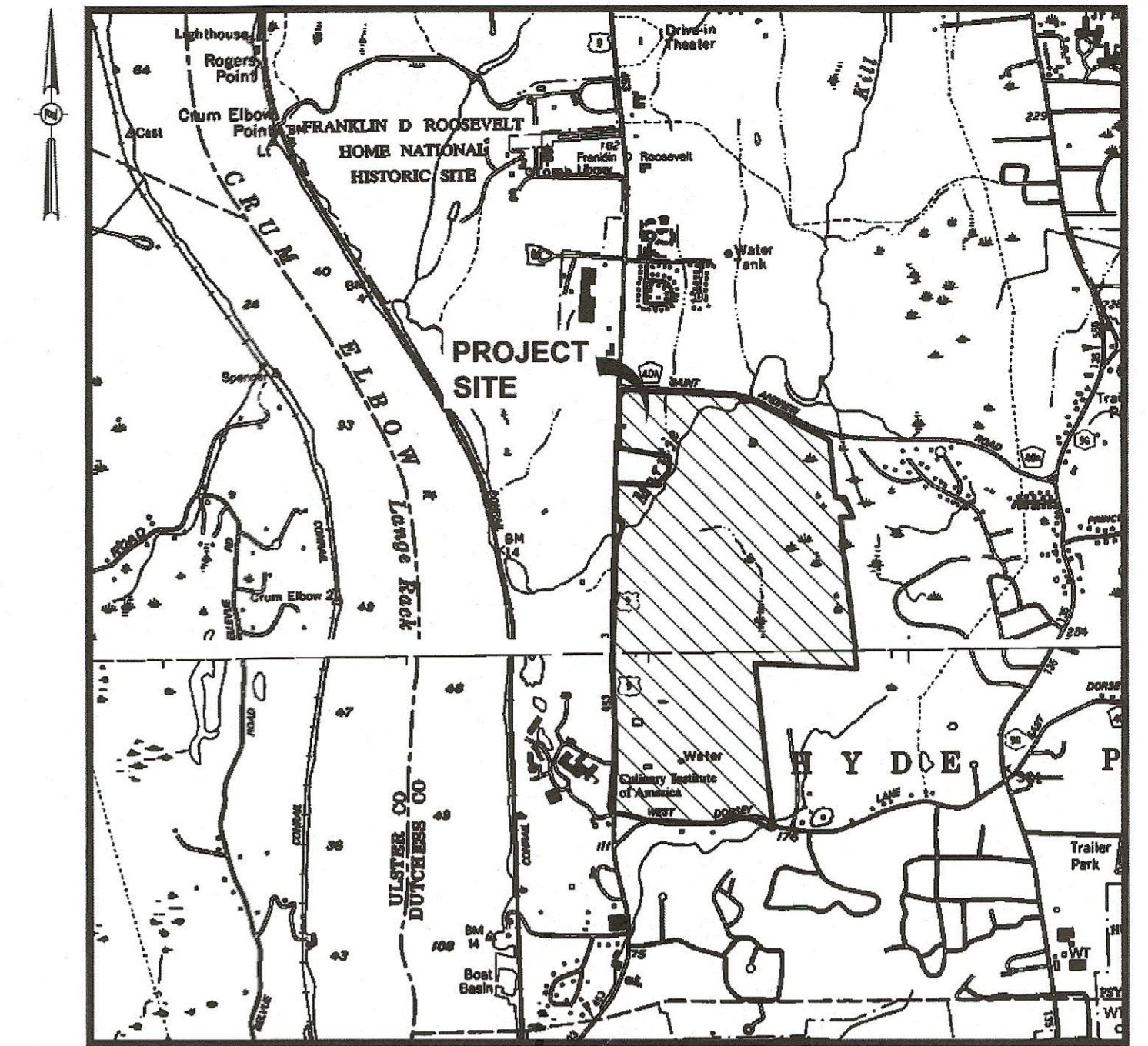
# BELLEFIELD AT HISTORIC HYDE PARK WASTEWATER TREATMENT FACILITY

LOCATED IN THE  
**TOWN OF HYDE PARK, DUTCHESS  
COUNTY, NEW YORK**

**JULY 9, 2021  
REVISED FEBRUARY 28, 2022**



**AREA MAP**  
SCALE: 1"=1000'



**LOCATION MAP**  
SCALE: 1"=2000'

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**TAX MAP INFORMATION:**

TOWN OF HYDE PARK

LOT 1:  
SECTION 6163, BLOCK 01, LOT 131849  
ACREAGE: 334.45 ACRES

LOT 2:  
SECTION 6163, BLOCK 01, LOT 010622  
ACREAGE: 3.49 ACRES

LOT 3:  
SECTION 6163, BLOCK 01, LOT 000897  
ACREAGE: 1.68 ACRES

**AREA:**

TOTAL PROJECT ACREAGE : 339.62 ACRES

**RECORD OWNERS:**

LOT 1:  
T-REX HYDE PARK  
OWNER LLC  
500 MAMARONECK AVE  
HARRISON, NY 10528

LOT 2:  
T-REX/SHANER HYDE PARK HOTEL LLC  
500 MAMARONECK AVE  
HARRISON, NY 10528

LOT 3:  
TR SEWAGE-WORKS CORP.  
500 MAMARONECK AVE.  
SUITE 301  
HARRISON, NY 10528

**DEVELOPER / APPLICANT:**

T-REX HYDE PARK OWNER LLC  
THOMAS MULROY  
500 MAMARONECK AVE  
HARRISON, NY  
10528

**SITE CIVIL ENGINEER:**

CHAZEN ENGINEERING, LAND SURVEYING &  
LANDSCAPE ARCHITECTURE CO., D.P.C.  
21 FOX STREET, Poughkeepsie, NY 12601  
PHONE: (845) 454-3980

**FILED MAP:**

REFERENCE IS MADE HERE TO FILED MAP  
TAX# 12627

**NOTES:**

- THIS SITE PLAN, AS SHOWN HEREON, IS PART OF A COMPREHENSIVE DEVELOPMENT PLAN, SUB-PHASE 1-A OF THE APPROVED ST. ANDREWS PUD, APPROVED BY THE TOWN OF HYDE PARK PLANNING BOARD ON MAY 16, 2007.
- THE SITE PLAN SET APPROVED ON JANUARY 3, 2018 AND SIGNED BY THE CHAIRPERSON ON DECEMBER 7, 2018 REMAINS IN EFFECT EXCEPT AS MODIFIED HEREIN AND IN THE SITE PLAN AMENDMENT PLAN SET APPROVED ON JANUARY 15, 2020.

RECEIVED  
MAY 2 2022  
ENVIRONMENTAL HEALTH

**OWNER'S CERTIFICATION NOTE  
OWNER / APPLICANT SIGNATURE**

THE UNDERSIGNED OWNER OR AUTHORIZED REPRESENTATIVE OF THE PROPERTY SHOWN HEREON STATES THAT THE OWNER HAS REVIEWED THIS MAP, IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

Thomas M. Mulroy, Authorized Signatory  
NAME (TITLE)  
SIGNATURE  
5-18-22  
DATE

DUTCHESS COUNTY DEPARTMENT OF HEALTH  
Poughkeepsie, New York  
These plans are approved.  
See first sheet for date and signature.

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DUTCHESS COUNTY DEPARTMENT OF HEALTH  
APPROVED  
DATE: 5/13/2022  
PROJECT: Bellefield WWTP  
Full Review  
Hyde Park, NY  
See Report  
[Signature]  
SUPERVISING PUBLIC HEALTH ENGINEER

RECOMMENDED FOR APPROVAL  
[Signature]

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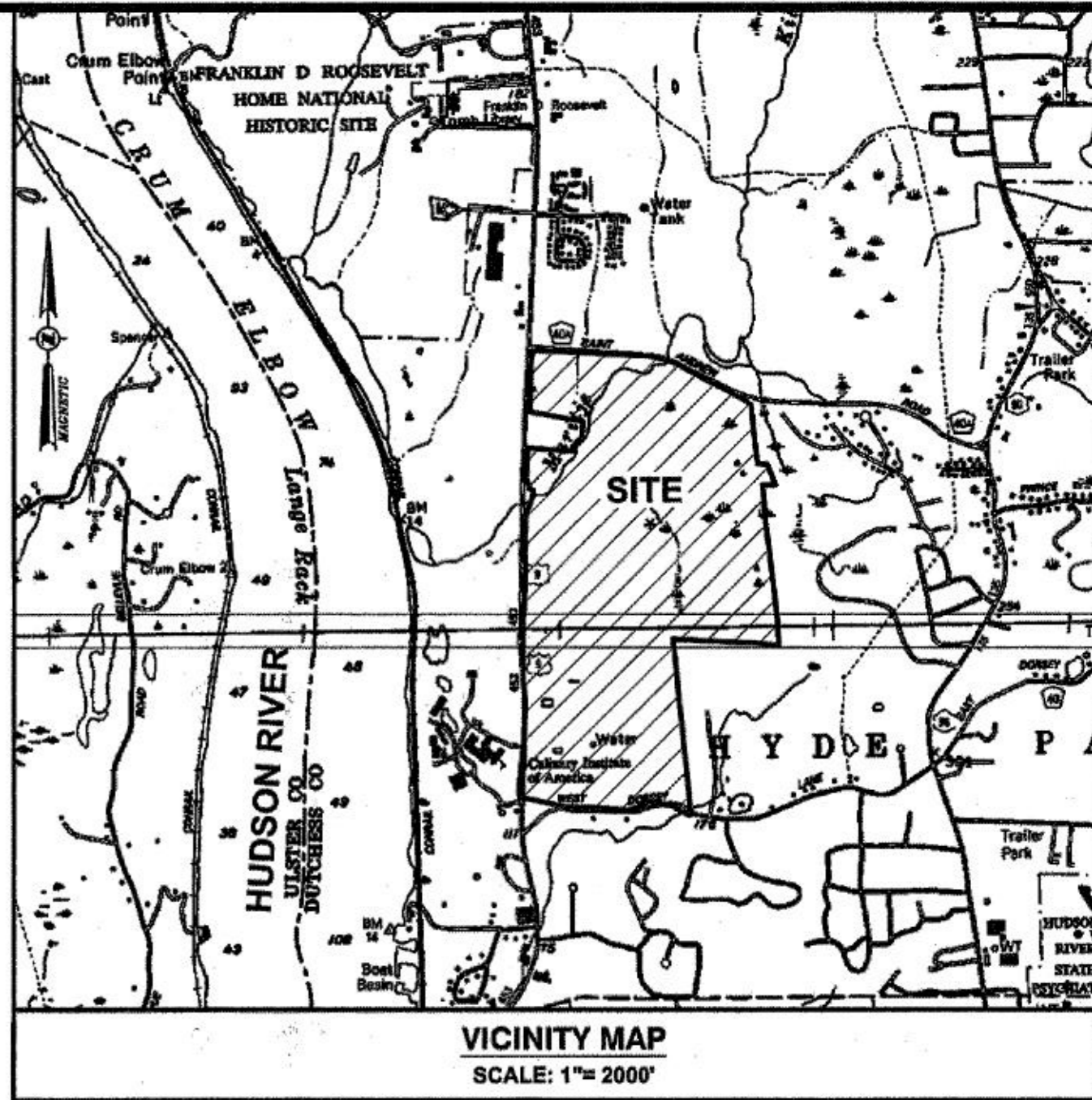
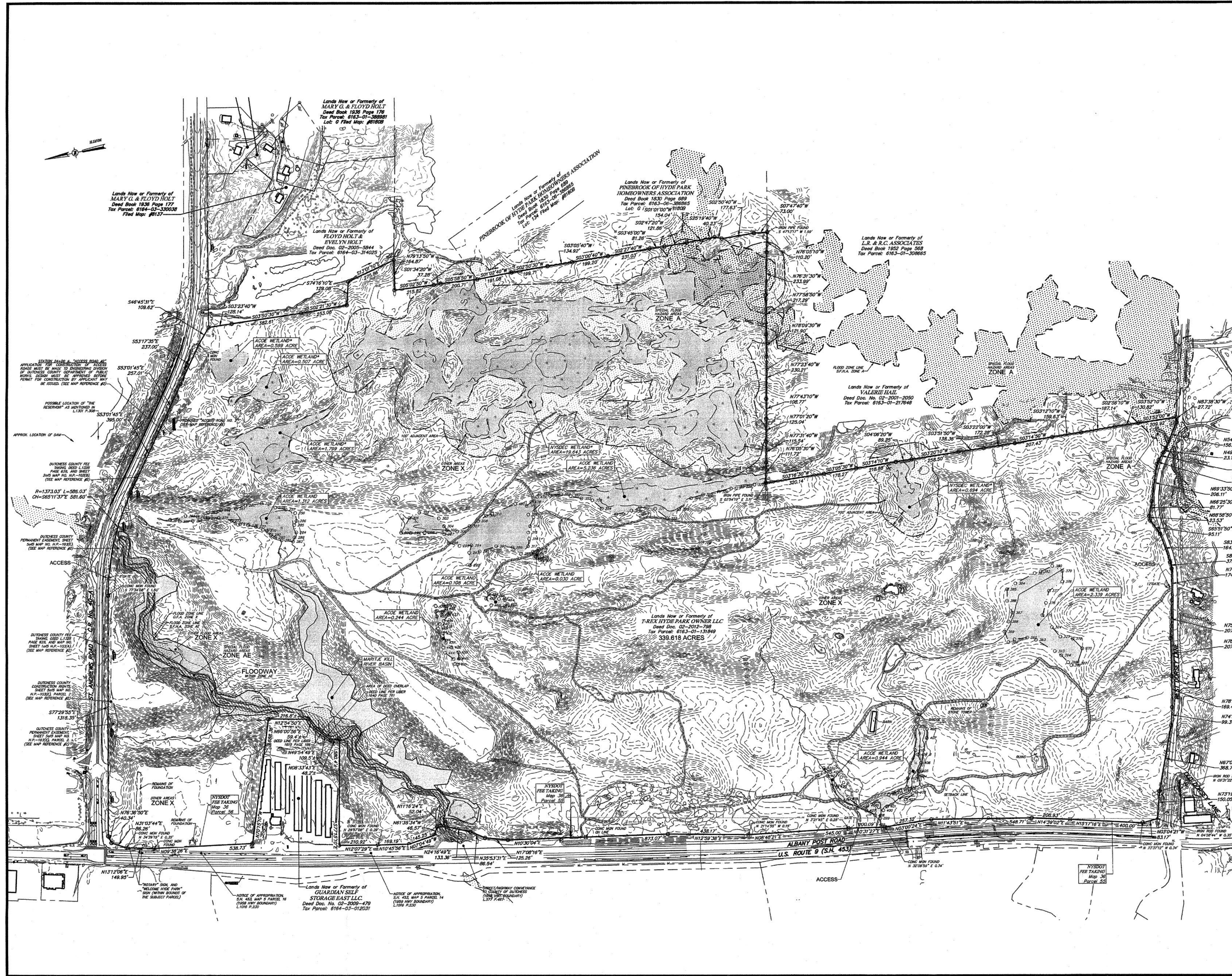
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• New York City, NY

| rev. | date      | description                         |
|------|-----------|-------------------------------------|
| 5    | 02/28/22  | REVISED PER DCDH COMMENTS           |
| 4    | 9/15/21   | REVISED PER DCDH COMMENTS           |
| 3    | 7/23/2021 | REVISED PER DCOWA COMMENTS          |
| 2    | 7/2/21    | REVISED PER DCDH AND DCOWA COMMENTS |
| 1    | 4/18/21   | REVISED PER PLANNING BOARD COMMENTS |

BELLEFIELD AT HISTORIC HYDE PARK  
**TITLE SHEET**  
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

|             |             |
|-------------|-------------|
| designed    | checked     |
| ANB         | PB          |
| date        | scale       |
| 3/23/21     | NIS         |
| project no. |             |
| 81235.09    |             |
| sheet no.   |             |
|             |             |
|             | <b>G001</b> |





**NOTES:**  
 UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7206, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.  
 ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S NIKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.  
 CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR PROFESSIONAL LAND SURVEYORS AS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON SO NOTED. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS, OR SUBSEQUENT OWNERS.  
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 SURVEYED FROM RECORD DESCRIPTION AND AS IN POSSESSION.  
 TOPOGRAPHY SHOWN HEREON WAS COMPILED FROM AERIAL TOPOGRAPHY COMPLETED JULY 8, 2004, 2 FOOT CONTOUR INTERVAL, DATUM NAVD-83.  
 UNDERGROUND FACILITIES AND STRUCTURES SHOWN HEREON WERE TAKEN FROM DATA OBTAINED FROM PREVIOUS MAPS AND RECORD DRAWINGS. ALL ABOVE GROUND SURVEY AND SURFACE FEATURES SHOWN HEREON ARE THE RESULT OF A RECONSTRUCTION SURVEY UNLESS OTHERWISE NOTED. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT ASSESSED OR CERTIFIED BY THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES. THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION MUST BE NOTIFIED PRIOR TO CONDUCTING TEST BORINGS, EXCAVATION AND CONSTRUCTION.

**ZONING NOTE:**  
 PROPERTY SHOWN HEREON LIES WITHIN ZONING DISTRICT "BP00, BELLEFIELD PLANNED DEVELOPMENT DISTRICT" AS SHOWN ON THE TOWN OF HYDE PARK ZONING MAP PREPARED BY DUTCHESS COUNTY DEPARTMENT OF PLANNING AND DEVELOPMENT ISSUED JUNE, 2016.

**WETLAND NOTE:**  
 WETLANDS SHOWN HEREON AS PER FIELD DELINEATION FROM OCTOBER, 2014 AND UPDATED NOVEMBER 20, 2015 BY JOSHUA TREE, INC., AND SURVEY LOCATION COMPLETED BY CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. ON NOVEMBER 20, 2015.  
 WETLANDS DESIGNATED WITH "\*" WERE SURVEYED BY CONTRACTORS LINE & GRADE SOUTH LLC, AND ARE NOT CERTIFIED BY THE UNDERSIGNED.

**FLOOD ZONE NOTE:**  
 PROPERTY SHOWN HEREON LIES WITHIN "SPECIAL FLOOD HAZARD AREA ZONE AE (ELEV. 72-141) WITHIN "SPECIAL FLOOD HAZARD AREA ZONE A" WITHIN "OTHER FLOOD AREAS ZONE X (SHADED), WITHIN "OTHER AREAS, ZONE X (UNSHADED)", AND WITHIN "FLOODWAY AREAS IN ZONE AE" AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), NATIONAL FLOOD INSURANCE PROGRAM (NFIP), FLOOD INSURANCE RATE MAP (FIRM) OF THE TOWN OF HYDE PARK, IDENTIFIED AS MAP NUMBER 36027C0268E & 36027C0358E, BOTH MAPS BEARING AN EFFECTIVE DATE OF MAY 2, 2012.  
 BASE FLOOD ELEVATIONS DETERMINED AFFECTING THE SUBJECT PARCELS, IS SHOWN ON THE AFORESAID MAP AS ELEVATION 72-141, AS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).  
 THE FLOOD ZONE LINES AND THE FLOODWAY LINES AS SHOWN HEREON ARE AS SCALED FROM THE ABOVE REFERENCED FEMA-FIRM MAPS.

**DEED REFERENCES:**  
 REFEREE'S DEED: JACQUELINE T. MARTIN, REFEREE TO T-REX HYDE PARK OWNER LLC, DATED JANUARY 26, 2012 AND RECORDED FEBRUARY 22, 2012 IN THE OFFICE OF THE DUTCHESS COUNTY CLERK AS DEED DOCUMENT 02-2012-798.

**MAP REFERENCES:**  
 1. REFERENCE IS HEREBY MADE TO A MAP ENTITLED "AMENDED SUBDIVISION PLAT PINEBROOK ESTATES" RECORDED IN THE DUTCHESS COUNTY CLERKS OFFICE ON MARCH 20, 2002 AS FILED MAP #8180B.  
 2. REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "DUTCHESS COUNTY DEPT. OF PUBLIC WORKS LAND TO BE ACQUIRED, INVADATE OF ST. ANDREW-ON-HUDSON, ST. ANDREW ROAD, C.R. NO. 40-A, HYDE PARK" DATED AUGUST 15, 1969, SHEET 1 OF 5 MAP NO. H.P.-103A, SHEET 2 OF 5 H.P.-103B AND SHEET 5 OF 5 H.P.-103D/E.C.R., ON FILE IN THE OFFICE OF THE DUTCHESS COUNTY DEPARTMENT OF PUBLIC WORKS (D.P.W.).

**TAX PARCEL NUMBER:**  
 TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK  
 133200-6163-01-131849

**TOTAL AREA:**  
 339.618 ACRES

DUTCHESS COUNTY DEPT. OF HEALTH  
 Poughkeepsie, New York  
 These plans are approved.  
 See first sheet for date and signature.

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 I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JULY 8, 2004 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

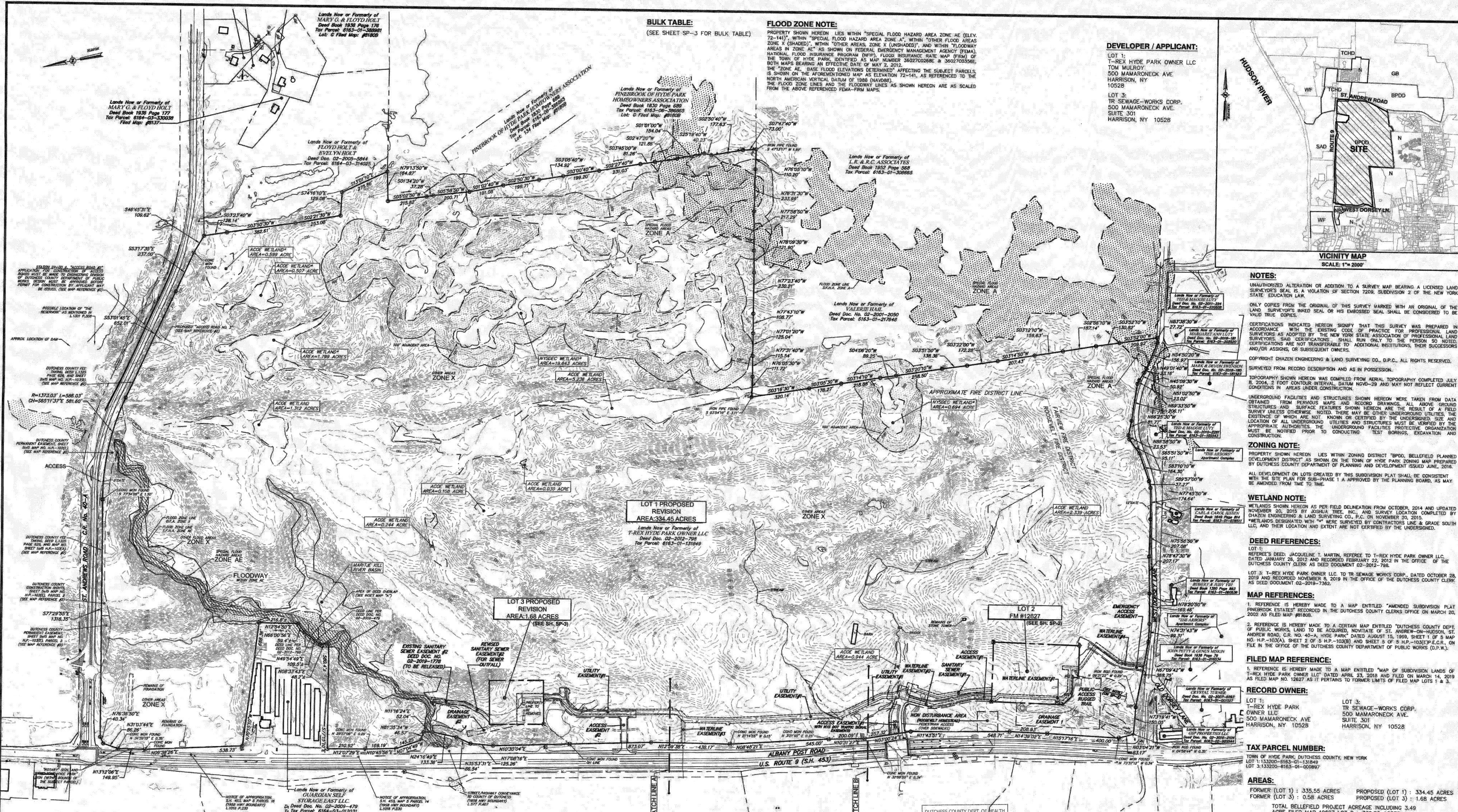


**CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.**  
 Office Locations:  
 Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3800  
 North Country Office: 378 Bay Road, Ganondago, New York 12044, Phone: (518) 812-0513  
 Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0005  
 Tennessee Office: 1033 Denmore Street, Suite 300, Knoxville, Tennessee 37203, Phone: (615) 380-1309  
 Central NY Office: 721 East Genesee Street, Syracuse, New York 13210, Phone: (315) 251-1013

| rev. | date | description |
|------|------|-------------|
|      |      |             |
|      |      |             |
|      |      |             |
|      |      |             |

**INN AT BELLEFIELD - U.S. ROUTE 9**  
**EXISTING CONDITIONS MAP**  
**PREPARED FOR T-REX HYDE PARK OWNER LLC**  
 TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

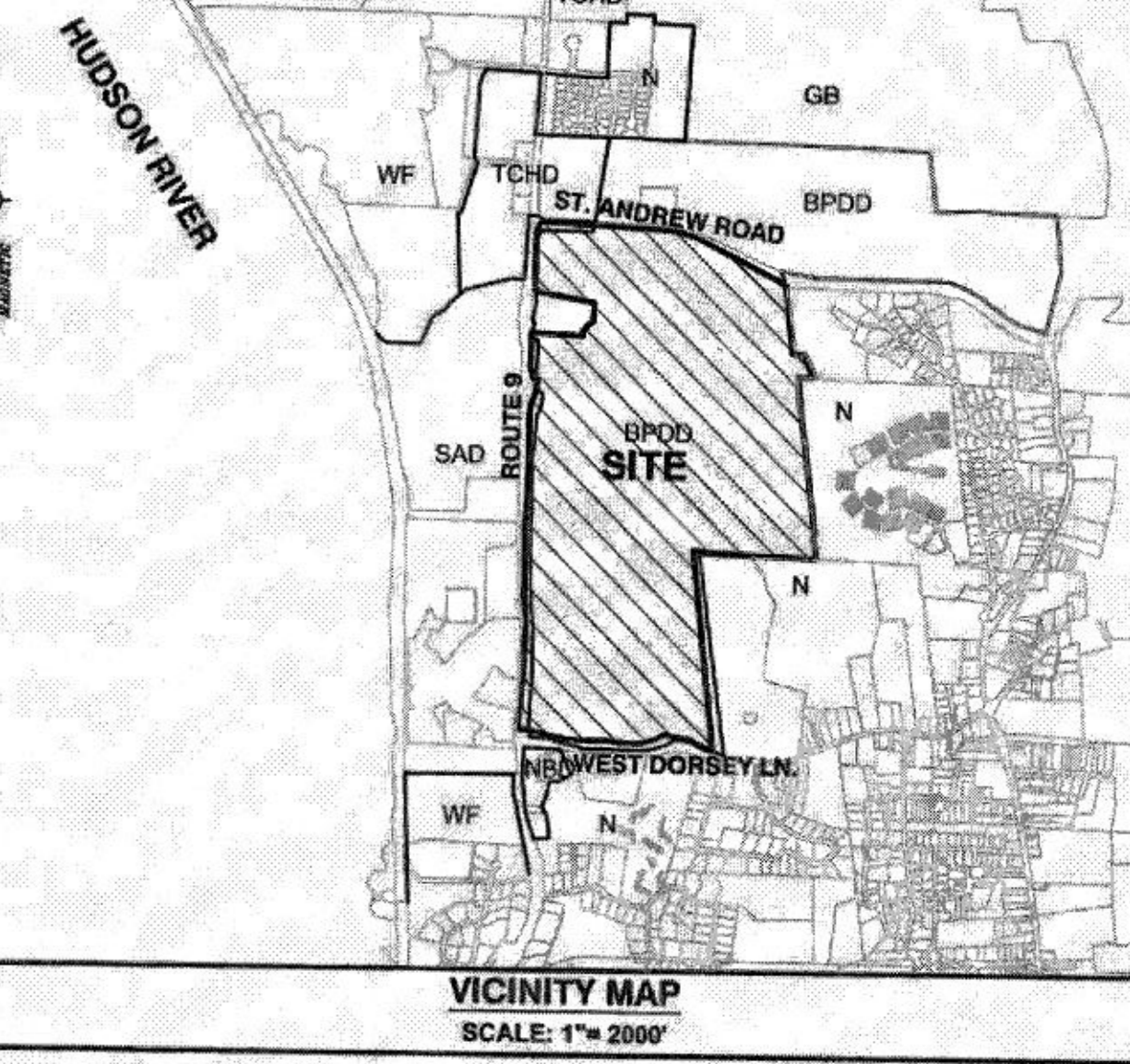
|             |           |
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| designed    | checked   |
| CJS         | SA        |
| date        | scale     |
| 06/30/17    | 1"=200'   |
| project no. | sheet no. |
| 01235.02    | SV1       |



**BULK TABLE:**  
(SEE SHEET SP-3 FOR BULK TABLE)

**FLOOD ZONE NOTE:**  
PROPERTY SHOWN HEREIN LIES WITHIN "SPECIAL FLOOD HAZARD AREA ZONE AE (ELEV. 72-141)", WITHIN "SPECIAL FLOOD HAZARD AREA ZONE A", WITHIN "OTHER FLOOD AREAS ZONE X (SHADED)", WITHIN "OTHER AREAS ZONE X (UNSHADED)", AND WITHIN "FLOODWAY AREAS IN ZONE AE" AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD INSURANCE RATE MAP (FIRM) OF BOTH MAPS BEARING AN EFFECTIVE DATE OF MAY 2, 2012. THE "ZONE AE, BASE FLOOD ELEVATIONS DETERMINED" AFFECTING THE SUBJECT PARCELS IS SHOWN ON THE AFORESAID MAP AS ELEVATION 72-141, AS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD83), AS REFERENCED TO THE FLOOD ZONE LINES AND THE FLOODWAY LINES AS SHOWN HEREON ARE AS SCALED FROM THE ABOVE REFERENCED FEMA-FIRM MAPS.

**DEVELOPER / APPLICANT:**  
LOT 1:  
T-REX HYDE PARK OWNER LLC  
TOM MULROY  
500 MAMARONECK AVE.  
HARRISON, NY 10528  
LOT 3:  
TR SEWAGE-WORKS CORP.  
500 MAMARONECK AVE.  
SUITE 301  
HARRISON, NY 10528



**NOTES:**  
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CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR PROFESSIONAL LAND SURVEYORS AS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON SO NOTED. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS, OR SUBSEQUENT OWNERS.  
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SURVEYED FROM RECORD DESCRIPTION AND AS IN POSSESSION.  
TOPOGRAPHY SHOWN HEREON WAS COMPILED FROM AERIAL PHOTOGRAPHY CURRENTED JULY 8, 2004, 2 FOOT CONTOUR INTERVAL, DATUM NAVD83 AND MAY NOT COMPLETELY REFLECT CONDITIONS IN AREAS UNDER CONSTRUCTION.  
UNDERGROUND FACILITIES AND STRUCTURES SHOWN HEREON WERE TAKEN FROM DATA OBTAINED FROM RECORD MAPS AND RECORD DRAWINGS. ALL ABOVE GROUND STRUCTURES AND SURFACE FEATURES SHOWN HEREON ARE THE RESULT OF A FIELD SURVEY UNLESS OTHERWISE NOTED. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN OR CERTIFIED BY THE UNDERSIGNED. USE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES AND STRUCTURES MUST BE PROTECTED. ORGANIZATION MUST BE NOTIFIED PRIOR TO CONDUCTING FAST BORING, EXCAVATION AND CONSTRUCTION.

**ZONING NOTE:**  
PROPERTY SHOWN HEREON LIES WITHIN ZONING DISTRICT "BPDD, BELLEFIELD PLANNED DEVELOPMENT DISTRICT" AS SHOWN ON THE TOWN OF HYDE PARK ZONING MAP PREPARED BY DUTCHESS COUNTY DEPARTMENT OF PLANNING AND DEVELOPMENT ISSUED APRIL, 2016. ALL DEVELOPMENT ON LOTS CREATED BY THIS SUBDIVISION PLAN SHALL BE CONSISTENT WITH THE SITE PLAN FOR SUB-PHASE 1 A APPROVED BY THE PLANNING BOARD, AS MAY BE AMENDED FROM TIME TO TIME.

**WETLAND NOTE:**  
WETLANDS SHOWN HEREON AS PER FIELD DELINEATION FROM OCTOBER, 2014 AND UPDATED NOVEMBER 20, 2015 BY JOSHUA TREE, INC. AND SURVEY LOCATION COMPLETED BY CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. ON NOVEMBER 20, 2015.  
\*WETLANDS DESIGNATED WITH "W" WERE SURVEYED BY CONTRACTORS LINE & GRADE SOUTH LLC, AND THEIR LOCATION AND EXTENT ARE NOT CERTIFIED BY THE UNDERSIGNED.

**DEED REFERENCES:**  
LOT 1:  
REFEREE'S DEED: JACQUELINE T. MARTIN, REFEREE TO T-REX HYDE PARK OWNER LLC, DATED JANUARY 26, 2012 AND RECORDED FEBRUARY 22, 2012 IN THE OFFICE OF THE DUTCHESS COUNTY CLERK AS DEED DOCUMENT 02-2012-706.  
LOT 3:  
T-REX HYDE PARK OWNER LLC TO TR SEWAGE-WORKS CORP., DATED OCTOBER 28, 2019 AND RECORDED NOVEMBER 9, 2019 IN THE OFFICE OF THE DUTCHESS COUNTY CLERK AS DEED DOCUMENT 02-2019-7362.

**MAP REFERENCE:**  
1. REFERENCE IS HEREBY MADE TO A MAP ENTITLED "AMENDED SUBDIVISION PLAT PINEBROOK ESTATES" RECORDED IN THE DUTCHESS COUNTY CLERK'S OFFICE ON MARCH 20, 2002 AS FILED MAP #81809.  
2. REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "DUTCHESS COUNTY DEPT. OF PUBLIC WORKS, LOT 40-A HYDE PARK" DATED AUGUST 15, 1999, SHEET 1 OF 5 MAP NO. H.P.-103(A), SHEET 2 OF 5 H.P.-103(B), AND SHEET 3 OF 5 H.P.-103(C) P.E.C.R., ON FILE IN THE OFFICE OF THE DUTCHESS COUNTY DEPARTMENT OF PUBLIC WORKS (D.P.W.).

**FILED MAP REFERENCE:**  
1. REFERENCE IS HEREBY MADE TO A MAP ENTITLED "MAP OF SUBDIVISION LANDS OF T-REX HYDE PARK OWNER LLC" DATED APRIL 23, 2018 AND FILED ON MARCH 14, 2019 AS FILED MAP NO. 12627 AS IT PERTAINS TO FORMER LIMITS OF FILED MAP LOTS 1 & 3.

**RECORD OWNER:**  
LOT 1:  
T-REX HYDE PARK OWNER LLC  
500 MAMARONECK AVE.  
HARRISON, NY 10528  
LOT 3:  
TR SEWAGE-WORKS CORP.  
500 MAMARONECK AVE.  
SUITE 301  
HARRISON, NY 10528

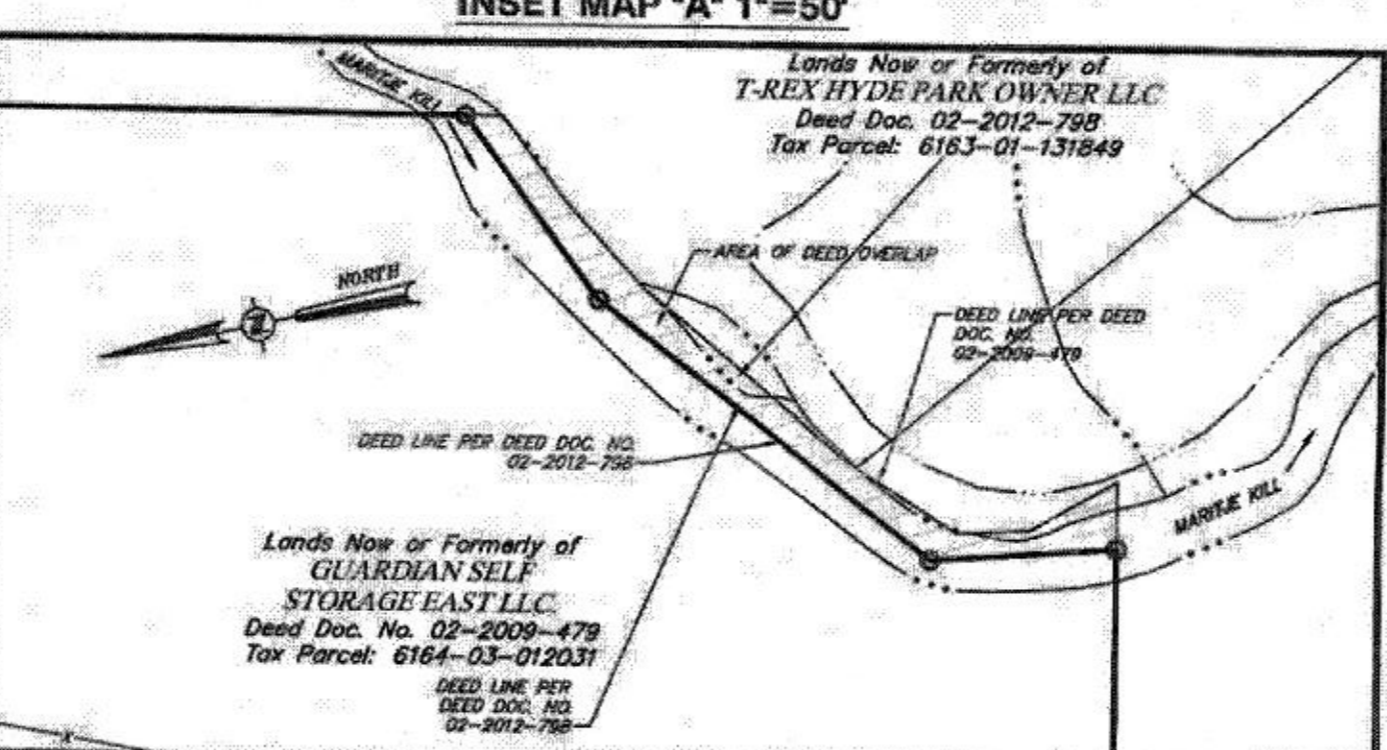
**TAX PARCEL NUMBER:**  
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK  
LOT 1: 133200-6163-01-131849  
LOT 3: 133200-6163-01-000897

**AREAS:**  
FORMER (LOT 1) : 335.55 ACRES  
FORMER (LOT 3) : 0.58 ACRES  
PROPOSED (LOT 1) : 334.45 ACRES  
PROPOSED (LOT 3) : 1.68 ACRES  
TOTAL BELLEFIELD PROJECT ACREAGE INCLUDING 3.49 ACRES FILED MAP 12627 LOT 2 : 339.62 ACRES

**TOWN OF HYDE PARK PLANNING BOARD SITE PLAN APPROVAL**  
TOWN OF HYDE PARK, NEW YORK  
LOT LINE CHANGE APPROVED BY RESOLUTION \_\_\_\_\_ OF THE PLANNING BOARD OF THE TOWN OF HYDE PARK, NEW YORK, ON \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_, SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION. ANY CHANGE, ERRASURE, MODIFICATION OR REVISION TO THE PLAT AS APPROVED, SHALL VOID THIS APPROVAL. THE APPROVAL OF THE FINAL PLAT MUST BE FILED WITH THE DUTCHESS COUNTY CLERK WITHIN 62 DAYS OF THE CHAIRPERSON'S OR ACTING CHAIRPERSON OF THE PLANNING BOARD'S SIGNATURE. UNLESS THE FINAL PLAT HAS WITHIN SUCH 62-DAY PERIOD, BEEN FILED IN THE OFFICE OF THE DUTCHESS COUNTY CLERK, THE APPROVAL SHALL BE NULL AND VOID. EXPIRATION OF AN APPROVAL SHALL MEAN THAT ANY FURTHER ACTION WILL REQUIRE A NEW FILING FEE, AS WELL AS A REVIEW OF ALL PREVIOUS FINDINGS.  
THE APPLICANT SHALL SUBMIT TO THE PLANNING BOARD, WITHIN 30 DAYS OF FILING, 10 COPIES OF THE FINAL PLAT, WHICH BEARS THE FILE MAP NUMBER ASSIGNED TO IT BY THE OFFICE OF THE DUTCHESS COUNTY CLERK.  
SIGNED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

**DUTCHESS COUNTY DEPARTMENT OF HEALTH NON REALTY SUBDIVISION STAMP**  
THIS PLAN DOES NOT CONSTITUTE A REALTY SUBDIVISION AS DEFINED BY ARTICLE X, TITLE II, SECTION 1115, OF THE PUBLIC HEALTH LAW OF THE STATE OF NEW YORK, AND ARTICLE XI OF THE DUTCHESS COUNTY SANITARY CODE.  
PERMISSION IS HEREBY GRANTED FOR THE FILING OF THIS MAP WITH THE CLERK OF DUTCHESS COUNTY. APPROVAL FOR ARRANGEMENTS FOR WATER SUPPLY AND/OR SANITARY DISPOSAL IS NEITHER SOUGHT NOR GRANTED.  
AUTHORIZED REPRESENTATIVE OF THE COMMISSIONER OF HEALTH \_\_\_\_\_ DATE \_\_\_\_\_

**TOWN OF HYDE PARK PLANNING BOARD APPROVAL OWNER / APPLICANT SIGNATURES**  
THE UNDERSIGNED APPLICANT(S) FOR THE PROPERTY AND THE UNDERSIGNED OWNER(S) OF THE PROPERTY SHOWN HEREIN CERTIFY THAT THEY ARE FAMILIAR WITH THIS MAP AND ITS NOTES AND ITS CONTENTS AS STATED HEREON INCLUDING ALL CONDITIONS OF APPROVAL. THE APPLICANT AND THE OWNER UNDERSTAND THEIR OBLIGATION TO THE TOWN TO COMPLY WITH ALL CONDITIONS OF SUBDIVISION APPROVAL AND CONSENT TO THE FILING OF THIS MAP IN THE OFFICE OF THE DUTCHESS COUNTY CLERK.  
OWNER/APPLICANT LOT 1 \_\_\_\_\_ DATE \_\_\_\_\_  
OWNER/APPLICANT LOT 3 \_\_\_\_\_ DATE \_\_\_\_\_



**LEGEND:**  
**EXISTING CONDITIONS:**  
— PROPERTY LINE NO PHYSICAL BOUNDS  
— ADJACENT PROPERTY LINE  
— PROPOSED LOT LINE  
— PROPOSED ACCESS EASEMENT  
— PROPOSED UTILITY EASEMENT  
— FLOODWAY LINE  
— "AE" FLOOD ZONE LINE  
— ACCE WETLAND BOUNDARY LINE  
— EXISTING MONUMENT (MONUMENTS TO BE SET NOTED ON SH. SP2)  
— EXISTING CAPRED IRON ROD  
— IRON ROD TO BE SET (POST CONSTRUCTION)

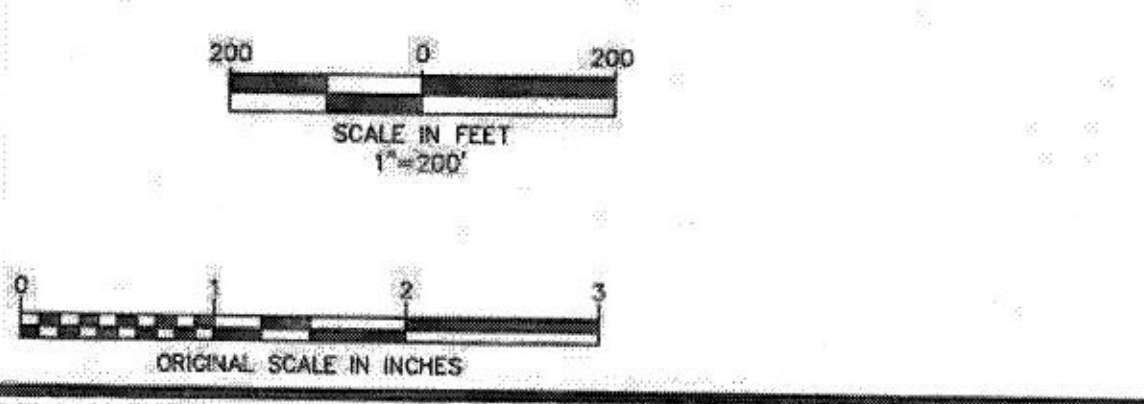
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I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED MAY 20, 2018 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARDS OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

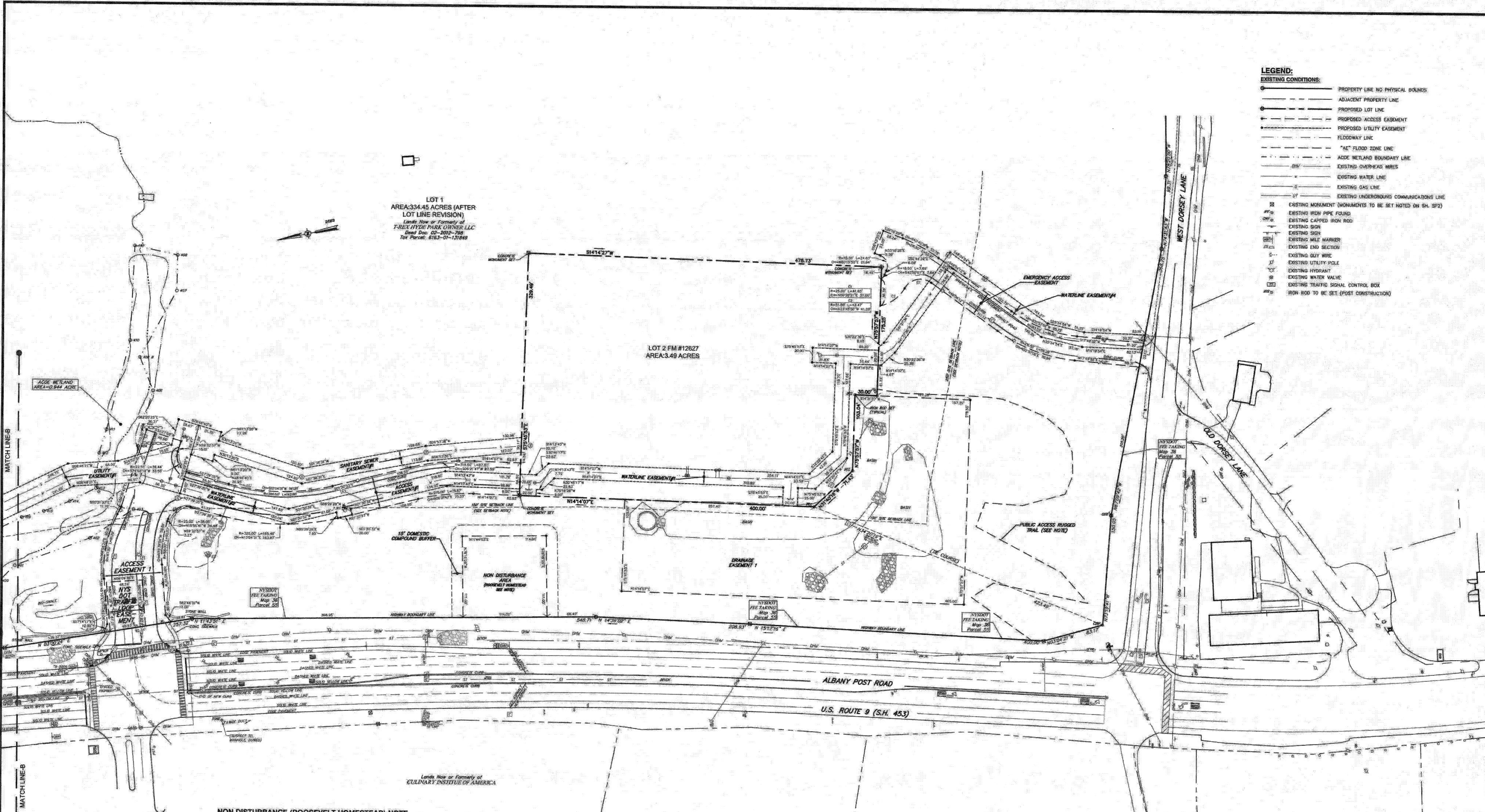


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6080.839.9023

| Rev. | Date    | Description                           |
|------|---------|---------------------------------------|
| 1    | 8/2/21  | ADDED CHANGE AND OFFSITE IMPROVEMENTS |
| 2    | 7/7/21  | REVISED PER BOARD AND DOWNA COMMENT   |
| 3    | 4/16/21 | REVISED PER PLANNING BOARD COMMENTS   |
| 4    | 3/19/21 | REVISED PER PLANNING BOARD COMMENTS   |

**INN AT BELLEFIELD - U.S. ROUTE 9**  
**MAP OF LOT LINE CHANGE LOTS 1 & 3 FILED MAP #12627**  
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK  
designed: JAC  
checked: SJA  
date: 01/29/21  
project no: 81235.02  
sheet no: SP1  
1 OF 3





- LEGEND:**
- EXISTING CONDITIONS:**
- PROPERTY LINE NO PHYSICAL BOUNDS
  - ADJACENT PROPERTY LINE
  - - - PROPOSED LOT LINE
  - - - PROPOSED ACCESS EASEMENT
  - - - PROPOSED UTILITY EASEMENT
  - - - FLOODWAY LINE
  - - - "A" FLOOD ZONE LINE
  - - - ACCE WETLAND BOUNDARY LINE
  - - - EXISTING OVERHEAD WIRES
  - - - EXISTING WATER LINE
  - - - EXISTING GAS LINE
  - - - EXISTING UNDERGROUND COMMUNICATIONS LINE
  - EXISTING MONUMENT (MONUMENTS TO BE SET NOTED ON SH. SP2)
  - EXISTING IRON PIPE FOUND
  - EXISTING CAPPED IRON ROD
  - EXISTING SIGN
  - EXISTING SIGN
  - EXISTING MILE MARKER
  - EXISTING END SECTION
  - EXISTING GUY WIRE
  - EXISTING UTILITY POLE
  - EXISTING HYDRANT
  - EXISTING WATER VALVE
  - EXISTING TRAFFIC SIGNAL CONTROL BOX
  - IRON ROD TO BE SET (POST CONSTRUCTION)

**LOT 1**  
**AREA: 334.45 ACRES (AFTER LOT LINE REVISION)**  
 Lands Now or Formerly of  
**T-REX HYDE PARK OWNER LLC**  
 Deed Doc. 62-3021-788  
 Tax Parcel: 6163-01-13189

**LOT 2 FM #12627**  
**AREA: 3.49 ACRES**

**NON DISTURBANCE (ROOSEVELT HOMESTEAD) NOTE**  
 ROOSEVELT HOMESTEAD NON-DISTURBANCE AREA AND BUFFER DIMENSION GUIDELINES SET FORTH IN A LETTER FROM NEW YORK STATE DEPARTMENT OF PARKS RECREATION AND HISTORIC PRESERVATION, DATED: DECEMBER 4, 2017. A RESTRICTIVE COVENANT HAS BEEN PLACED ON THIS AREA TO PROTECT THE ROOSEVELT HOMESTEAD SITE FROM FUTURE DISTURBANCE, RECORDED IN DUTCHESS COUNTY CLERK'S OFFICE ON DECEMBER 14, 2018 AS DOCUMENT 02-2018-3503.

**PUBLIC ACCESS RUGGED TRAIL NOTE:**  
 THE SIDEWALKS AND WALKWAYS SHOWN IN THIS SUBDIVISION WILL BE PART OF A PUBLICLY ACCESSIBLE TRAIL SYSTEM, INCLUDING SIDEWALK TRAILS, WALKING TRAILS, BIKE TRAILS, AND RUGGED TRAILS TO BE INCORPORATED AS FUTURE PORTIONS OF THE PROJECT ARE DEVELOPED IN ACCORDANCE WITH THE APPROVED CONCEPT PLAN AND SEQR FINDINGS.

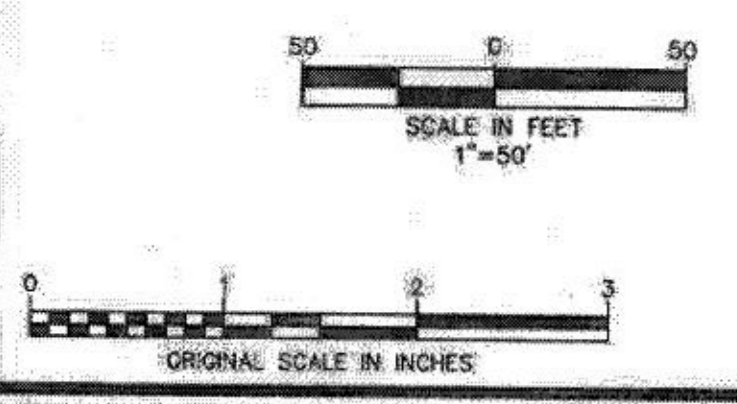
IN ACCORDANCE WITH THE APPROVED CONCEPT PLAN AND SEQR FINDINGS, AND AS SPECIFIED IN THE NEGATIVE DECLARATION ADOPTED BY THE PLANNING BOARD ON JANUARY 3, 2018, THIS SUBDIVISION PLAT DEPICTS A RUGGED TRAIL CONNECTION PROVIDING PUBLIC ACCESS BETWEEN THE EXISTING COUNTY BUS STOP, NORTH OF WEST DORSEY LANE ON ROUTE 9, TO THE HOTEL SIDEWALK SYSTEM WHICH CONNECTS TO THE SYSTEM OF PATHS AND WALKWAYS WHICH ARE PART OF THE CONCEPT PLAN APPROVALS. THE TRAIL WILL BE AN UNPAVED NATURAL SURFACE, DUE TO THE TOPOGRAPHY, THE EXACT LOCATION OF THE TRAIL WILL BE SURVEYED PRIOR TO CONSTRUCTION AND THE EXACT LOCATION OF THE TRAIL, WHICH SHALL BE OUTSIDE DRAINAGE EASEMENT # 1, WILL BE APPROVED BY THE TOWN ENGINEER PRIOR TO INSTALLATION.

**NOTES:**  
 (SEE SHEET SP-1 FOR NOTES)

**SETBACK NOTE:**  
 BUILDING STRUCTURE AND PARKING LOT SETBACKS OF 150' ON ROUTE 9 AND 250' ON WEST DORSEY LANE ARE IN ACCORDANCE WITH LANGUAGE IN AMENDED SEQR STATEMENT ADOPTED ON JUNE 13, 2017.

- EASEMENT NOTES:**
1. EMERGENCY ACCESS EASEMENT - LOCATED ON LOT 1, FOR THE PURPOSE OF PROVIDING UNOBSTRUCTED EMERGENCY VEHICLE ACCESS TO AND EGRESS FROM LOT 1 TO LOT 2 AND FROM THE PUBLIC RIGHT OF WAY ALONG AS WEST DORSEY LANE.
  2. WATERLINE EASEMENT #1, #2, #3 & #4 - HAS BEEN CONVEYED BY T-REX HYDE PARK OWNER LLC TO DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY.
  3. UTILITY EASEMENT #1 (COMBINED SANITARY SEWER AND WATER) - CONVEYED BY T-REX HYDE PARK OWNER LLC TO DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY AND TR SEWAGE-WORKS CORP.
  4. SANITARY SEWER EASEMENT #1 - CONVEYED BY T-REX HYDE PARK OWNER LLC TO TR SEWAGE-WORKS CORP.
  5. SANITARY SEWER EASEMENT #2 - CONVEYED BY T-REX HYDE PARK OWNER LLC TO TR SEWAGE-WORKS CORP.
  6. NYSDOT PERMANENT EASEMENT FOR TRAFFIC DEVICES - CONVEYED BY T-REX HYDE PARK OWNER LLC TO NEW YORK STATE DEPARTMENT OF TRANSPORTATION.
  7. DRAINAGE EASEMENT #1 - CONVEYED BY T-REX HYDE PARK LLC TO LOT 2 (T-REX/SHANER HYDE PARK HOTEL, LLC)
  8. ACCESS EASEMENT OVER INTERNAL ROADWAYS ON LOT 2 (T-REX/SHANER HYDE PARK HOTEL, LLC) - TO BE RESERVED BY T-REX HYDE PARK OWNER LLC.
  9. ACCESS EASEMENT #1 - TO BE CONVEYED BY T-REX HYDE PARK OWNER LLC TO LOT 2 (T-REX/SHANER HYDE PARK HOTEL, LLC) FOR INGRESS AND EGRESS. THE SIDEWALKS WITHIN THIS EASEMENT AND LOCATED ON LOT 1 WILL BECOME PART OF A PUBLICLY ACCESSIBLE SIDEWALK TRAIL SYSTEM THROUGHOUT THE PROJECT IN ACCORDANCE WITH THE APPROVED CONCEPT PLAN AND SEQR FINDINGS.
  10. ACCESS EASEMENT #2 - CONVEYED BY T-REX HYDE PARK OWNER LLC TO LOT 3 (TR SEWAGE-WORKS CORP.) FOR INGRESS AND EGRESS.

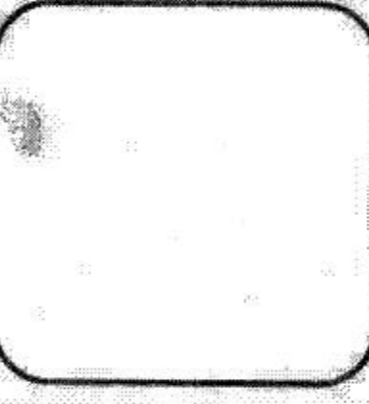
DUTCHESS COUNTY DEPT. OF HEALTH  
 Poughkeepsie New York  
 These plans are approved.  
 See first sheet for date and signature.



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I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED MAY 08, 2018 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTOR, AND CONFORMS WITH THE MINIMUM STANDARDS OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.



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*Chazen* COMPANIES

Highland Falls Office  
 21 Park Street  
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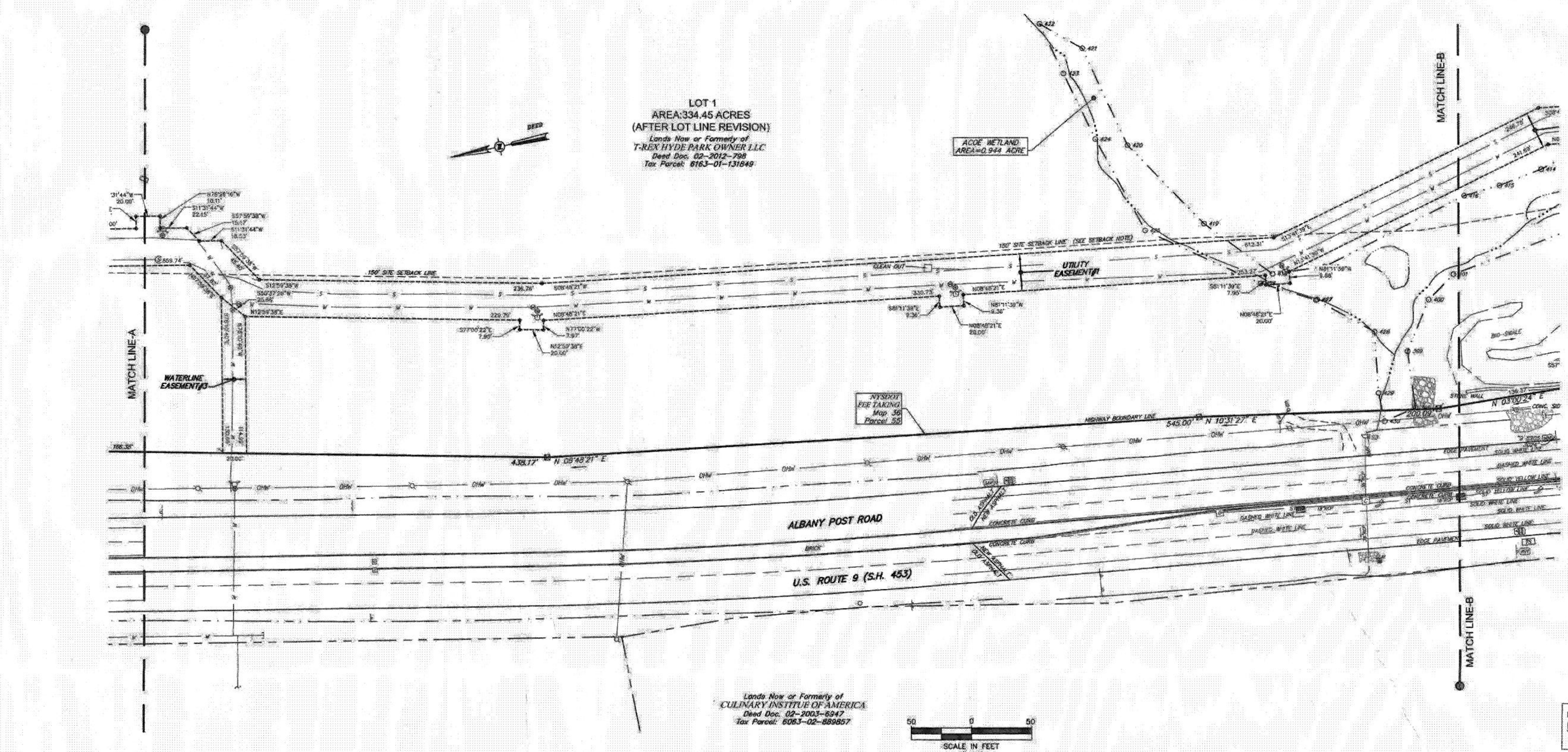
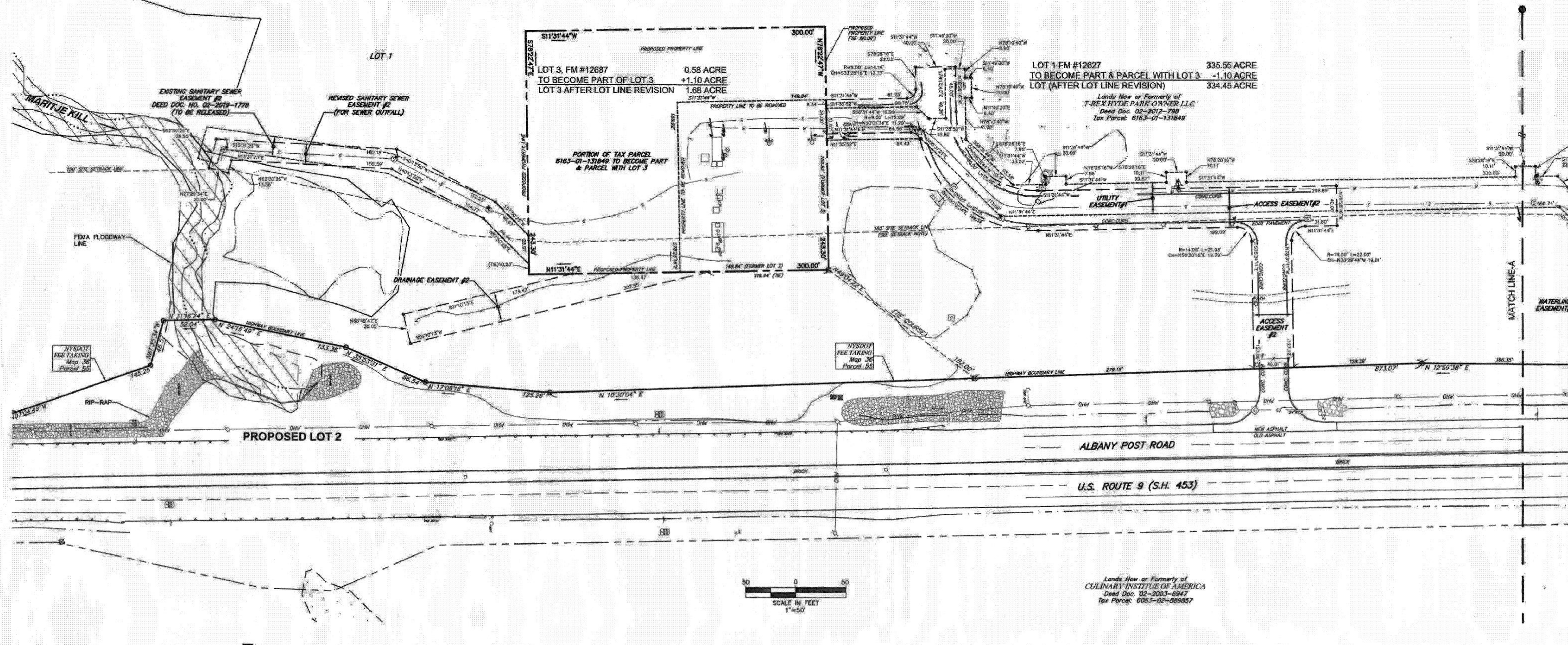
| rev | date    | description                         |
|-----|---------|-------------------------------------|
| 1   | 6/26/21 | ADD ORITE AND OFFSITE IMPROVEMENTS  |
| 2   | 7/2/21  | REVISED PER BOARD AND OWNER COMMENT |
| 3   | 4/7/21  | REVISED PER PLANNING BOARD COMMENTS |
| 4   | 3/18/21 | REVISED FOR PLANNING BOARD COMMENTS |

**INN AT BELLEFIELD - U.S. ROUTE 9**

**MAP OF LOT LINE CHANGE**  
**LOTS 1 & 3**  
**FILED MAP #12627**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed             | checked      |
|----------------------|--------------|
| AUF                  | SJA          |
| date 01/20/21        | scale 1"=50' |
| project no. 01235.02 | sheet no.    |
| SP2                  | 2 OF 3       |



**BULK TABLE**  
PROPOSED ZONE 3 - BLOCK 'G' / SUB PHASE 1-A  
ZONING DISTRICT: BPDD BELLEFIELD PLANNED DEVELOPMENT DISTRICT

| REQUIREMENT PARAMETER  | REQUIRED PER ZONING CODE - AND/OR FEES  | PROPOSED OVERALL SITE       | HOTEL (137 ROOM) (LOT 2)     | WWTP (LOT 3)             | REMAINING LANDS (LOT 1) |
|--|---|-----------------------------|------------------------------|--------------------------|-------------------------|
| MINIMUM LOT AREA   | 100 ACRES   | 339.618 ACRES               | 3.49 ACRES                   | 1.68 ACRES               | 334.45 ACRES            |
| MINIMUM SETBACKS   |   |                             |                              |                          |                         |
| FRONT - ALBANY POST ROAD (US RTE 9) (1)                            | 150 FT  | 213.2 FT                    | 237.2 FT                     | 327.52 FT                | N/A                     |
| FRONT - WEST DORSEY LANE   | 250 FT  | 436.4 FT                    | 436.4 FT                     | 3308.33 FT               | N/A                     |
| SIDE   |   |                             | 60.99 FT (10)                | 34.93 FT (10)            | N/A                     |
| REAR   |   | 3729.8 FT                   | 156.6 FT (10)                | 119.60 FT (10)           | N/A                     |
| MINIMUM SETBACKS FROM PRINCIPAL BUILDINGS TO R.O.W.                |   |                             |                              |                          |                         |
| MIXED-USE CENTER (2)   | 0 FT  | N/A                         | N/A                          | N/A                      | N/A                     |
| CLUSTER RESIDENTIAL AREA   | 20 FT   | N/A                         | N/A                          | N/A                      | N/A                     |
| MINIMUM DISTANCE BETWEEN BUILDINGS                                 |   |                             |                              |                          |                         |
| MIXED-USE CENTER (7)   | 0 FT  | N/A                         | N/A                          | N/A                      | N/A                     |
| CLUSTER RESIDENTIAL AREA   | 25 FT   | N/A                         | N/A                          | N/A                      | N/A                     |
| MAX. RESIDENTIAL DENSITY ON THE ENTIRE SITE (2)                    | 1.75 D.U. & 2.2 P.U. / NET ACRE (2)   | N/A                         | N/A                          | N/A                      | N/A                     |
| MAX. AMOUNT OF NON-RESIDENTIAL FLOOR AREA OF THE ENTIRE SITE (FAR) | 0.25 Times the Gross Site Area of 122 acres designated as the Mixed-Use Center = 30.5 ACRES (3) | 0.007 (8)                   | N/A                          | N/A                      | N/A                     |
| MAXIMUM BUILDING HEIGHT  |   |                             |                              |                          |                         |
| Hotel/Conference Center  | 5 Stories   | 5 Stories                   | 5 Stories                    | N/A                      | N/A                     |
| Mixed-Use Center (other than Hotel)                                | 3 Stories   | N/A                         | N/A                          | 1 Story                  | N/A                     |
| Other Areas  | 2.5 Stories   | N/A                         | N/A                          | N/A                      | N/A                     |
| MINIMUM REQUIRED OPEN SPACE (OVERALL)                              | 30% of Gross Site Area (4) = 170 ACRES  | N/A                         | N/A                          | N/A                      | N/A                     |
| MAXIMUM BUILDING COVERAGE (OVERALL)                                | 10% of Gross Site Area (4) = 34 ACRES   | 0.18%                       | N/A                          | N/A                      | N/A                     |
| BUILDING FOOTPRINT   |   | 26,350.3 S.F. (0.605 ACRES) | 25,710.25 S.F. (0.590 ACRES) | 3,166 S.F. (0.072 ACRES) | N/A                     |
| BUILDING AND LOT COVERAGE (IMPERVIOUS)                             | %   | 1.51% (5.123 ACRES)         | N/A                          | N/A                      | N/A                     |
| BUILDING GROSS FLOOR AREA (5)                                      |   | 106,967.74 S.F. (8)         | 106,827.74 S.F.              | 3,166 S.F.               | N/A                     |
| RESIDENTIAL DEVELOPMENT (MAXIMUM) (6)                              |   | 558 UNITS                   | N/A                          | N/A                      | N/A                     |
| NON-RESIDENTIAL DEVELOPMENT (MAXIMUM) (6)                          |   | 1,005,895 S.F. (5)          | 106,827.74 S.F. (8)          | 3,166 S.F.               | N/A                     |

(1) BUILDING AND PARKING SETBACK ALONG ROUTE 9  
(2) EXCLUDING WETLANDS, THE MAX. NUMBER OF UNITS SHALL APPLY TO THE 339.618 ACRE ENTIRE SITE, REGARDLESS OF ANY FUTURE SUBDIVISIONS. FOR PURPOSES OF THIS CALCULATION, VILLAS SHALL BE COUNTED AS DWELLING UNITS.  
(3) THE MAX. AMOUNT OF NON-RESIDENTIAL FLOOR AREA SHALL APPLY TO THE ENTIRE AREA, REGARDLESS OF ANY FUTURE SUBDIVISIONS.  
(4) GROSS SITE AREA OF THE ENTIRE SITE (339.618 AC)  
(5) GROSS FLOOR AREA  
(6) AMOUNT OF RESIDENTIAL AND NON-RESIDENTIAL DEVELOPMENT-AT LEAST 47% OF THE TOTAL S.F. OF THE SITE DEVELOPMENT SHALL BE NON-RESIDENTIAL. THE MIXED-USE CENTER DEVELOPMENT SHALL INCLUDE BOTH RESIDENTIAL AND NON-RESIDENTIAL USES.  
(7) THE MIXED-USE CENTER DEVELOPMENT SHALL INCLUDE BOTH RESIDENTIAL AND NON-RESIDENTIAL USES.  
(8) INCLUDES WWTP  
(9) DOES NOT INCLUDE WWTP  
(10) FROM INTERNAL LOT LINE

DUTCHESS COUNTY DEPT. OF HEALTH  
Poughkeepsie, New York  
These plans are approved.  
See next sheet for date and signature.

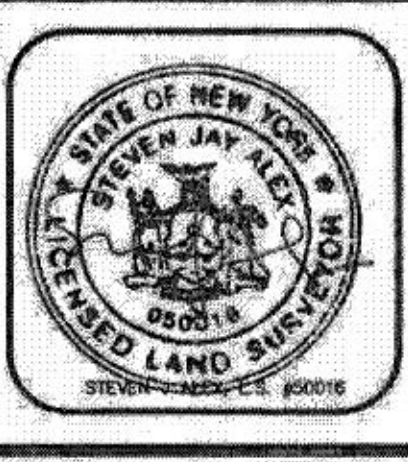
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DATE: 08/20/2018  
PROJECT NO.: 181235.02  
SHEET NO.: SP-3  
OF 3

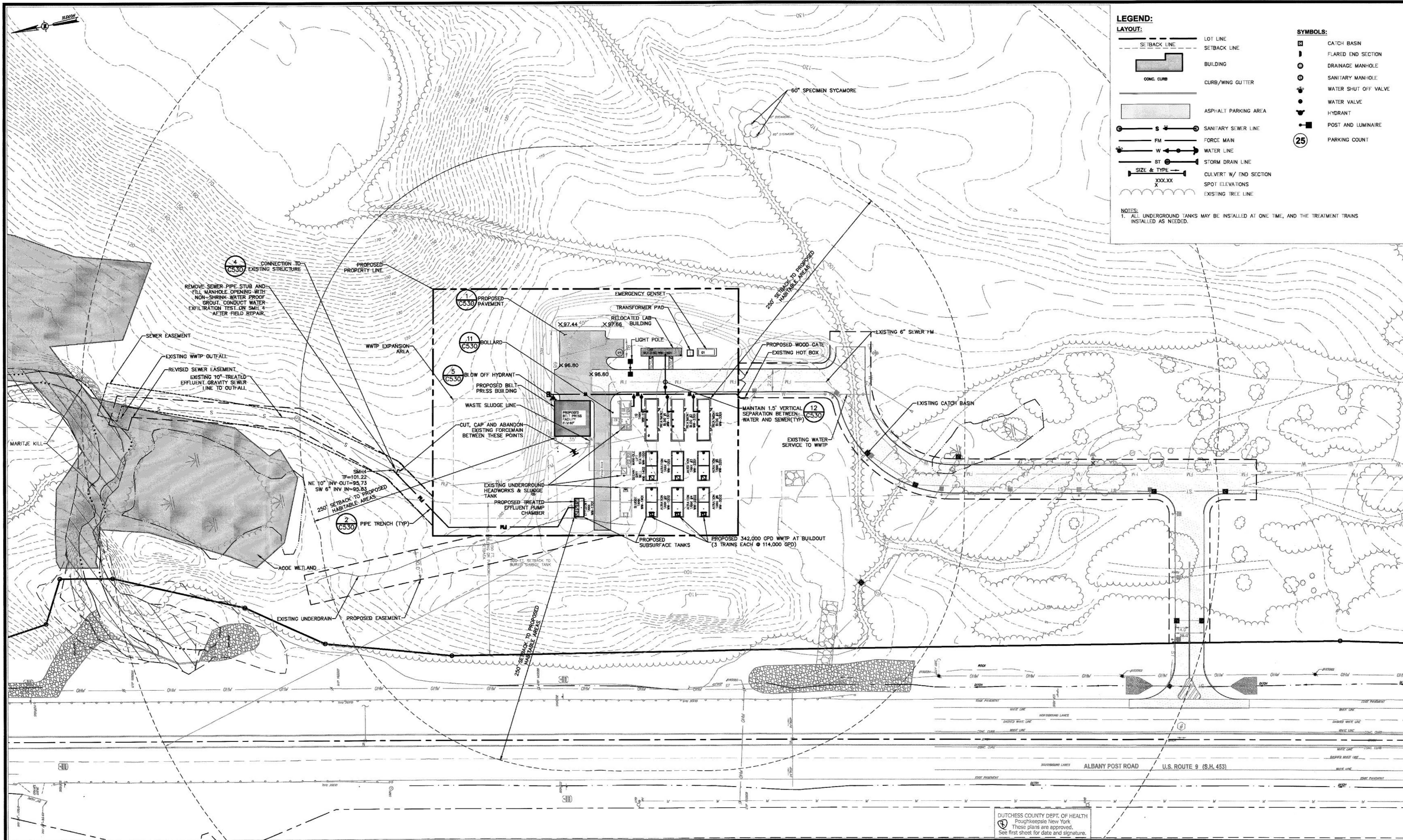
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IN AT BELLEFIELD - U.S. ROUTE 9  
**MAP OF LOT LINE CHANGE LOTS 1 & 3**  
**FILED MAP #12627**  
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| REV. | DATE    | DESCRIPTION                         | DESIGNED BY |
|------|---------|-------------------------------------|-------------|
| 1    | 8/21/18 | ISSUE FOR PERMITS                   | DESIGN      |
| 2    | 7/2/18  | REVISED PER ODDM AND ODDM COMMENTS  | DESIGN      |
| 3    | 4/15/18 | REVISED PER PLANNING BOARD COMMENTS | DESIGN      |
| 4    | 3/15/18 | REVISED PER PLANNING BOARD COMMENTS | DESIGN      |

designed by: [Signature]  
checked by: [Signature]  
date: 08/20/2018  
scale: 1"=50'  
project no.: 181235.02  
sheet no.: SP-3  
of 3



**LEGEND:**

**LAYOUT:**

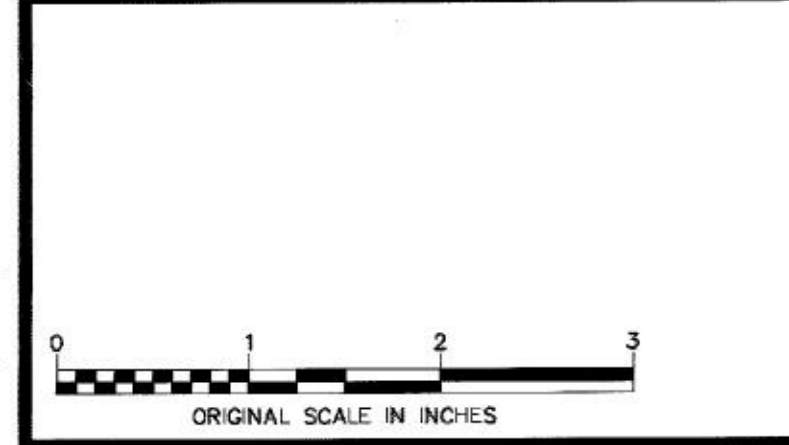
- SE/BACK LINE
- CONC. CURB
- ASPHALT PARKING AREA
- SIZE & TYPE
- XXX.XX
- X
- EXISTING TREE LINE

**SYMBOLS:**

- CATCH BASIN
- FLARED END SECTION
- DRAINAGE MANHOLE
- SANITARY MANHOLE
- WATER SHUT OFF VALVE
- WATER VALVE
- HYDRANT
- POST AND LUMINAIRE
- PARKING COUNT

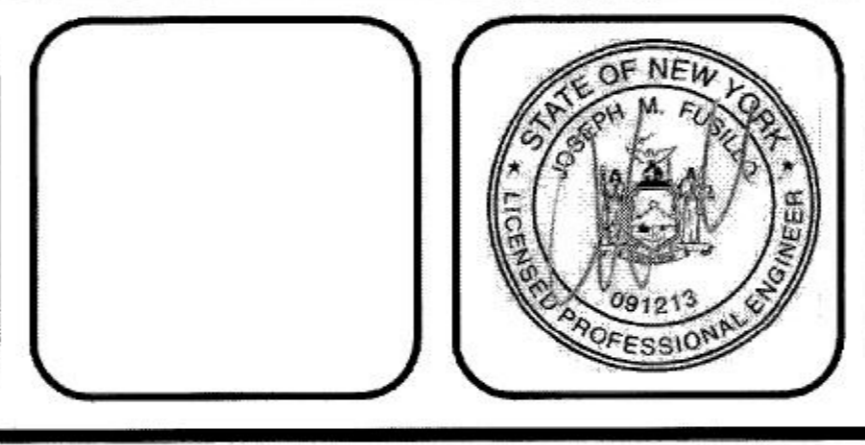
**NOTES:**

- ALL UNDERGROUND TANKS MAY BE INSTALLED AT ONE TIME, AND THE TREATMENT TRAINS INSTALLED AS NEEDED.



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| rev. | date    | description                          |
|------|---------|--------------------------------------|
| 2    | 7/2/21  | REVISED PER DDDO1 AND DOWNA COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS  |

BELLEFIELD AT HISTORIC HYDE PARK

**AMENDED SITE AND UTILITY PLAN**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed             | checked |
|----------------------|---------|
| LTN                  | PB      |
| 3/23/21              | 1"=40'  |
| project no. 81235.09 |         |
| sheet no. C190A      |         |



**LEGEND:**

**LAYOUT:**

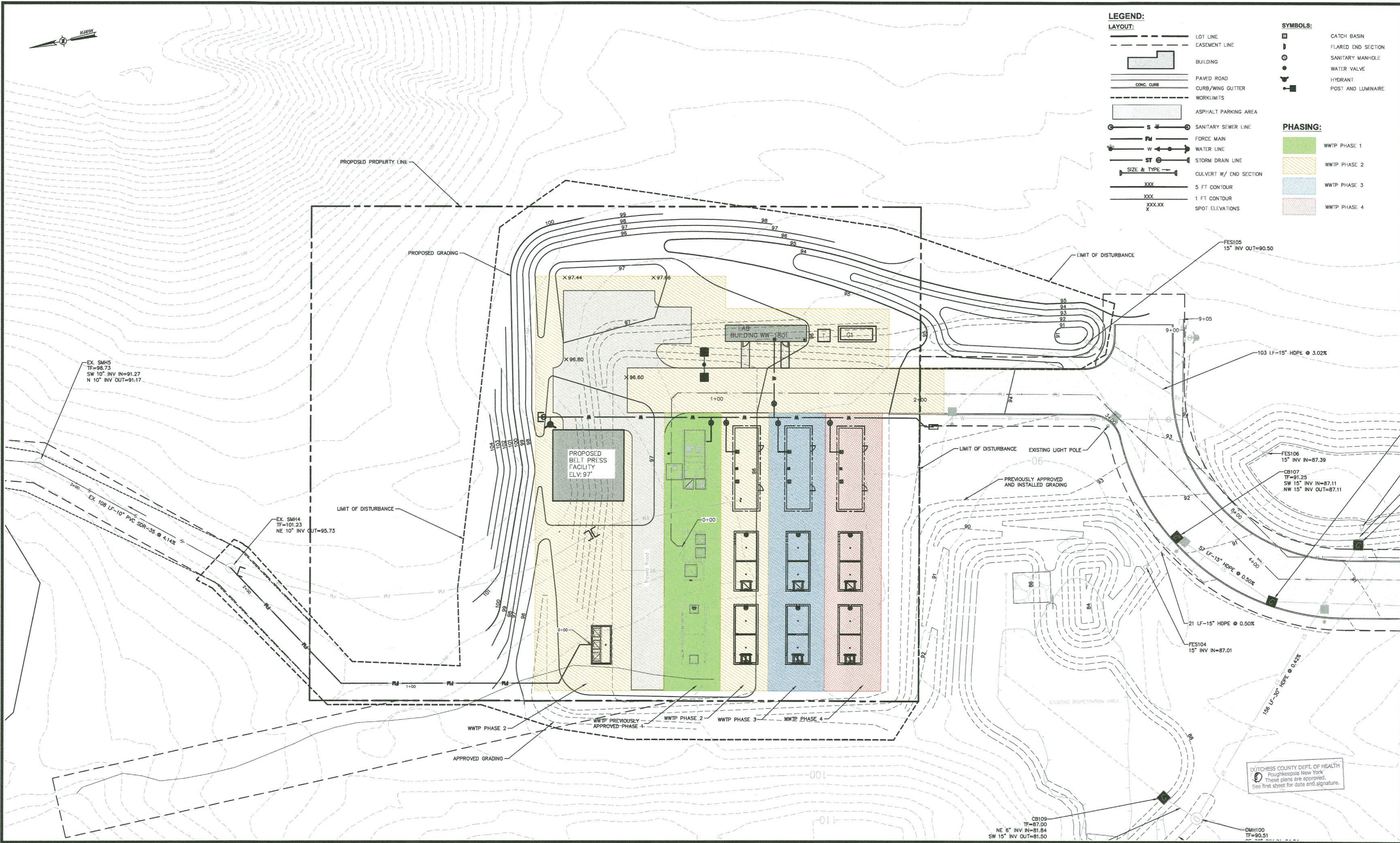
- LOT LINE
- EASEMENT LINE
- BUILDING
- PAVED ROAD
- CURB/WING GUTTER
- WORKLIMITS
- ASPHALT PARKING AREA
- SANITARY SEWER LINE
- FORCE MAIN
- WATER LINE
- STORM DRAIN LINE
- CULVERT W/ END SECTION
- 5 FT CONTOUR
- 1 FT CONTOUR
- SPOT ELEVATIONS

**SYMBOLS:**

- CATCH BASIN
- FLARED END SECTION
- SANITARY MANHOLE
- WATER VALVE
- HYDRANT
- POST AND LUMINAIRE

**PHASING:**

- WWTP PHASE 1
- WWTP PHASE 2
- WWTP PHASE 3
- WWTP PHASE 4



DUTCHESS COUNTY DEPT. OF HEALTH  
Poughkeepsie New York  
These plans are approved.  
See first sheet for date and signature.

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|------|---------|--------------------------------------|
| 2    | 7/2/21  | REVISED PER DCOOH AND DOWMA COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS  |
|      |         |                                      |

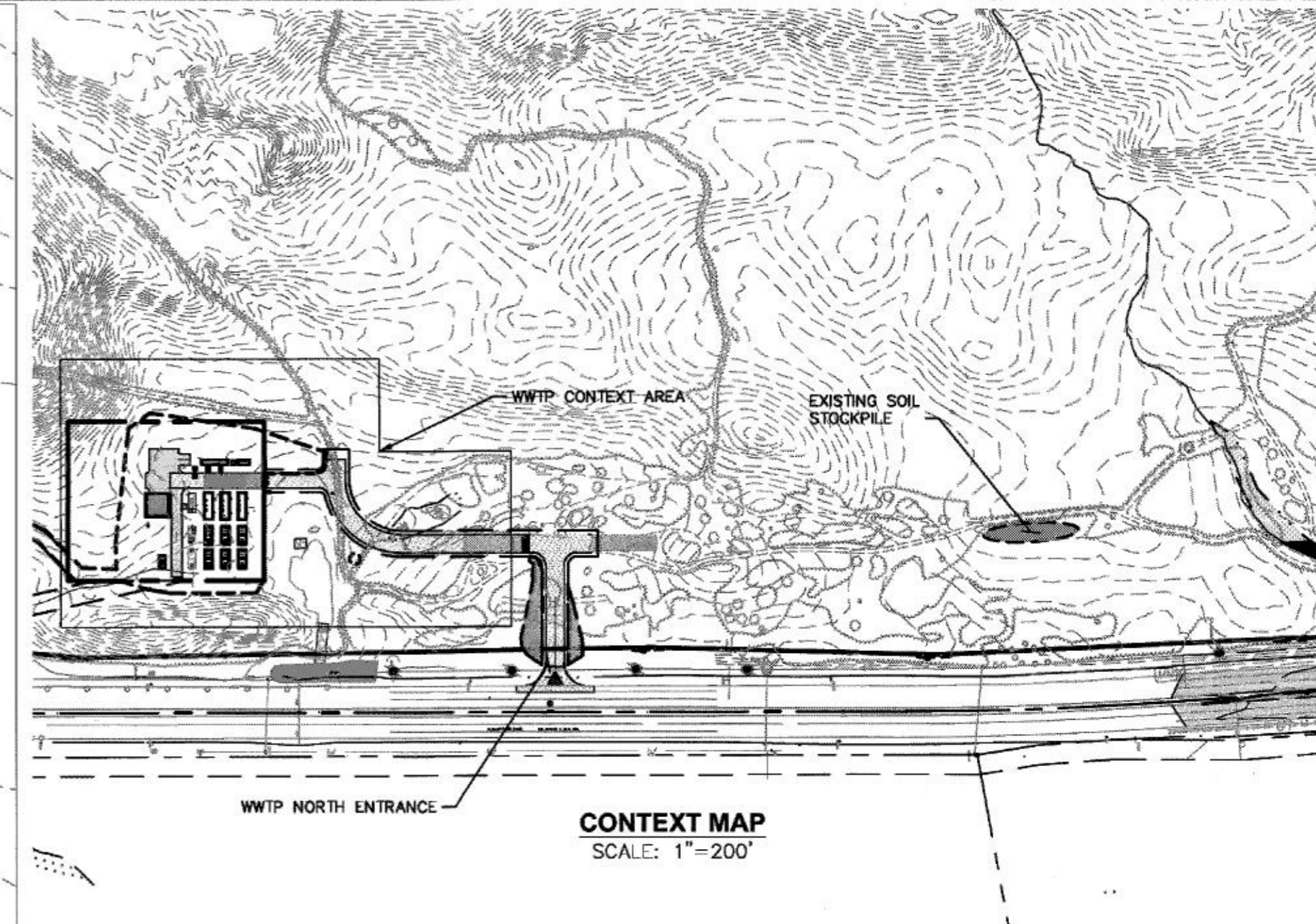
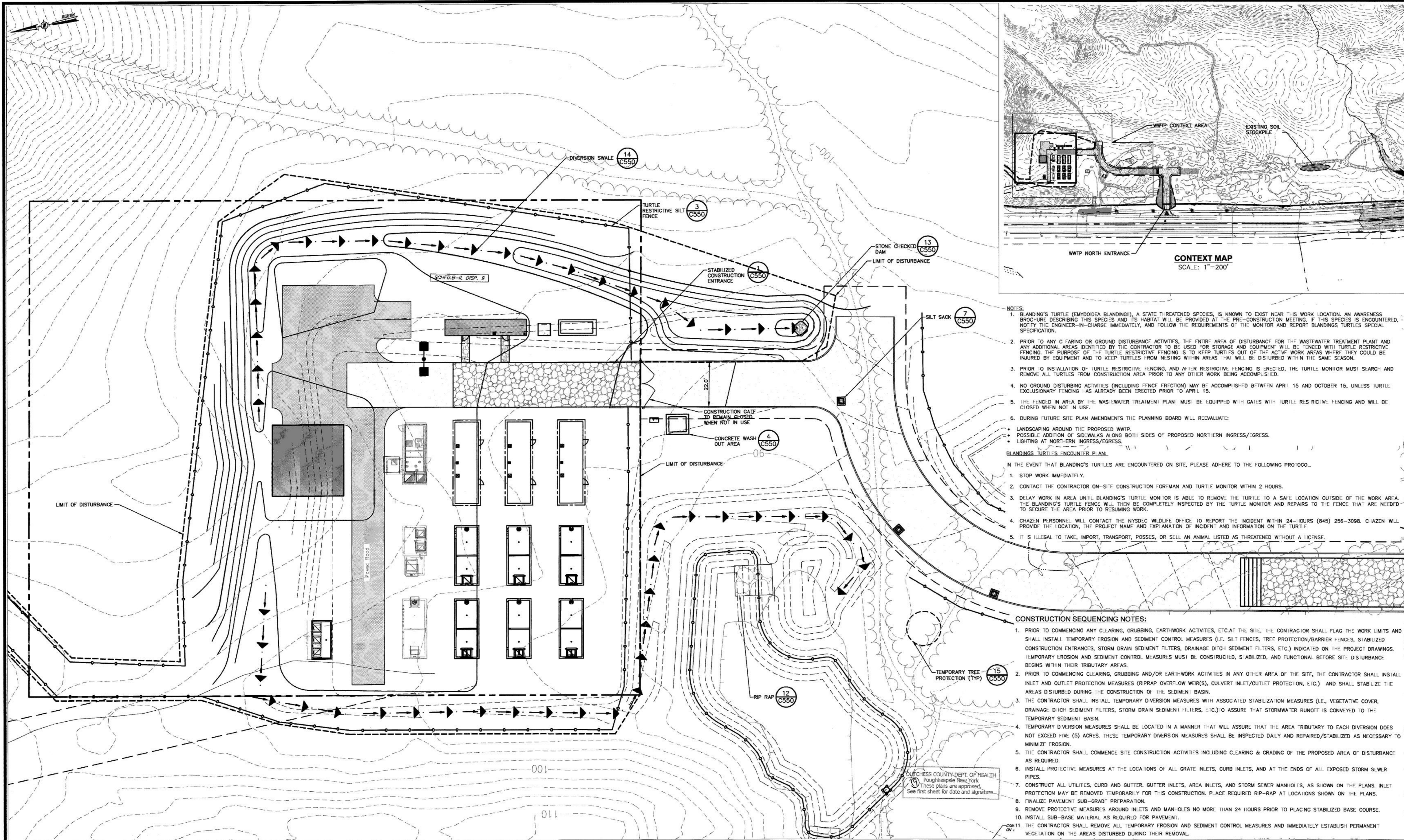
BELLEFIELD AT HISTORIC HYDE PARK

**AMENDED GRADING, DRAINAGE AND PHASING PLAN**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

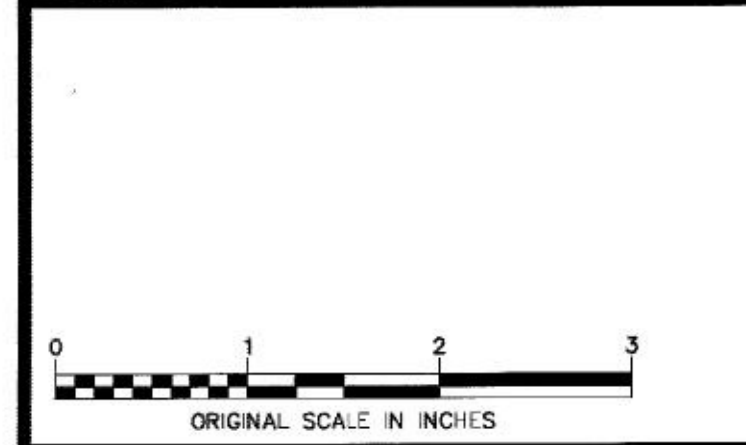
| designed               | checked |
|------------------------|---------|
| LTN                    | PB      |
| 3/23/21                | 1"-20"  |
| project no. 81235.09   |         |
| sheet no. <b>C190B</b> |         |





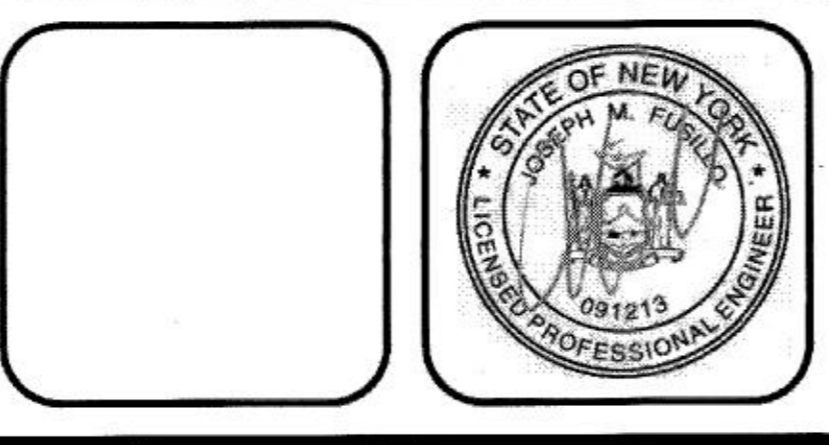
- NOTES:**
- BLANDING'S TURTLE (EMYDODEA BLANDINGI), A STATE THREATENED SPECIES, IS KNOWN TO EXIST NEAR THIS WORK LOCATION. AN AWARENESS BROCHURE DESCRIBING THIS SPECIES AND ITS HABITAT WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING. IF THIS SPECIES IS ENCOUNTERED, NOTIFY THE ENGINEER-IN-CHARGE IMMEDIATELY, AND FOLLOW THE REQUIREMENTS OF THE MONITOR AND REPORT BLANDING'S TURTLES SPECIAL SPECIFICATION.
  - PRIOR TO ANY CLEARING OR GROUND DISTURBANCE ACTIVITIES, THE ENTIRE AREA OF DISTURBANCE FOR THE WASTEWATER TREATMENT PLANT AND ANY ADDITIONAL AREAS IDENTIFIED BY THE CONTRACTOR TO BE USED FOR STORAGE AND EQUIPMENT WILL BE FENCED WITH TURTLE RESTRICTIVE FENCING. THE PURPOSE OF THE TURTLE RESTRICTIVE FENCING IS TO KEEP TURTLES OUT OF THE ACTIVE WORK AREAS WHERE THEY COULD BE INJURED BY EQUIPMENT AND TO KEEP TURTLES FROM NESTING WITHIN AREAS THAT WILL BE DISTURBED WITHIN THE SAME SEASON.
  - PRIOR TO INSTALLATION OF TURTLE RESTRICTIVE FENCING, AND AFTER RESTRICTIVE FENCING IS ERECTED, THE TURTLE MONITOR MUST SEARCH AND REMOVE ALL TURTLES FROM CONSTRUCTION AREA PRIOR TO ANY OTHER WORK BEING ACCOMPLISHED.
  - NO GROUND DISTURBING ACTIVITIES (INCLUDING FENCE ERECTION) MAY BE ACCOMPLISHED BETWEEN APRIL 15 AND OCTOBER 15, UNLESS TURTLE EXCLUSIONARY FENCING HAS ALREADY BEEN ERECTED PRIOR TO APRIL 15.
  - THE FENCED IN AREA BY THE WASTEWATER TREATMENT PLANT MUST BE EQUIPPED WITH GATES WITH TURTLE RESTRICTIVE FENCING AND WILL BE CLOSED WHEN NOT IN USE.
  - DURING FUTURE SITE PLAN AMENDMENTS THE PLANNING BOARD WILL REEVALUATE:
    - LANDSCAPING AROUND THE PROPOSED WWTP.
    - POSSIBLE ADDITION OF SIDEWALKS ALONG BOTH SIDES OF PROPOSED NORTHERN INGRESS/EGRESS.
    - LIGHTING AT NORTHERN INGRESS/EGRESS.
- BLANDING'S TURTLES ENCOUNTER PLAN:**
- IN THE EVENT THAT BLANDING'S TURTLES ARE ENCOUNTERED ON SITE, PLEASE ADHERE TO THE FOLLOWING PROTOCOL:
- STOP WORK IMMEDIATELY.
  - CONTACT THE CONTRACTOR ON-SITE CONSTRUCTION FOREMAN AND TURTLE MONITOR WITHIN 2 HOURS.
  - DELAY WORK IN AREA UNTIL BLANDING'S TURTLE MONITOR IS ABLE TO REMOVE THE TURTLE TO A SAFE LOCATION OUTSIDE OF THE WORK AREA. THE BLANDING'S TURTLE FENCE WILL THEN BE COMPLETELY INSPECTED BY THE TURTLE MONITOR AND REPAIRS TO THE FENCE THAT ARE NEEDED TO SECURE THE AREA PRIOR TO RESUMING WORK.
  - CHAZEN PERSONNEL WILL CONTACT THE NYSDEC WILDLIFE OFFICE TO REPORT THE INCIDENT WITHIN 24-HOURS (845) 256-3098. CHAZEN WILL PROVIDE THE LOCATION, THE PROJECT NAME AND EXPLANATION OF INCIDENT AND INFORMATION ON THE TURTLE.
  - IT IS ILLEGAL TO TAKE, IMPORT, TRANSPORT, POSSESS, OR SELL AN ANIMAL LISTED AS THREATENED WITHOUT A LICENSE.

- CONSTRUCTION SEQUENCING NOTES:**
- PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC. AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.
  - PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (RIPRAP OVERFLOW WEIR(S), CULVERT INLET/OUTLET PROTECTION, ETC.) AND SHALL STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF THE SEDIMENT BASIN.
  - THE CONTRACTOR SHALL INSTALL TEMPORARY DIVERSION MEASURES WITH ASSOCIATED STABILIZATION MEASURES (I.E., VEGETATIVE COVER, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.) TO ASSURE THAT STORMWATER RUNOFF IS CONVEYED TO THE TEMPORARY SEDIMENT BASIN.
  - TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A MANNER THAT WILL ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED FIVE (5) ACRES. THESE TEMPORARY DIVERSION MEASURES SHALL BE INSPECTED DAILY AND REPAIRED/STABILIZED AS NECESSARY TO MINIMIZE EROSION.
  - THE CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES INCLUDING CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED.
  - INSTALL PROTECTIVE MEASURES AT THE LOCATIONS OF ALL GRATE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
  - CONSTRUCT ALL UTILITIES, CURB AND GUTTER, GUTTER INLETS, AREA INLETS, AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. PLACE REQUIRED RIP-RAP AT LOCATIONS SHOWN ON THE PLANS.
  - FINALIZE PAVEMENT SUB-GRADE PREPARATION.
  - REMOVE PROTECTIVE MEASURES AROUND INLETS AND MANHOLES NO MORE THAN 24 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
  - INSTALL SUB-BASE MATERIAL AS REQUIRED FOR PAVEMENT.
  - THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL.



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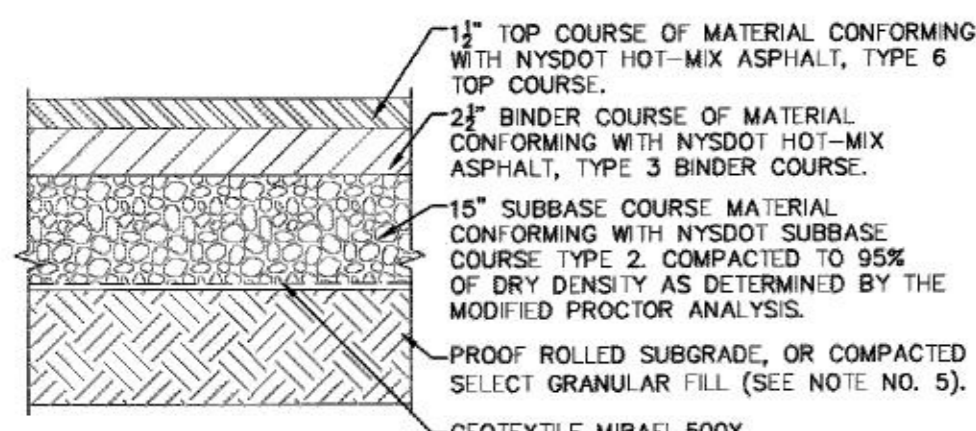
| rev. | date    | description               |
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| 1    | 4/15/21 | REVISED PER TOWN COMMENTS |

BELLEFIELD AT HISTORIC HYDE PARK

**AMENDED EROSION & SEDIMENT CONTROL PLAN**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed     | checked |
|--------------|---------|
| LN           | PB      |
| 3/23/21      | scale   |
| project no.  | 1"=20'  |
| 81235.09     |         |
| sheet no.    |         |
| <b>C190C</b> |         |

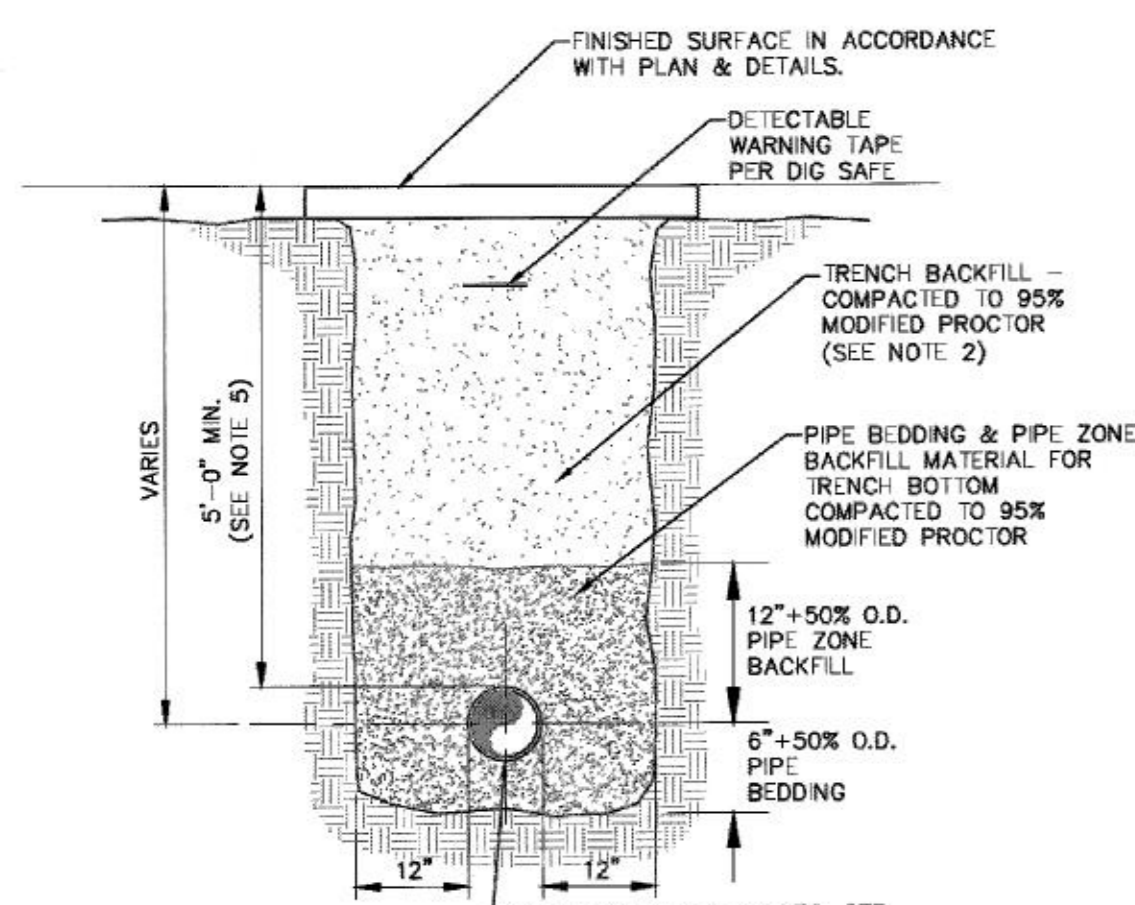


**ON-SITE ROADWAY SECTION DETAIL**

**NOTES:**

- MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERE TO.
- SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 - SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
- HOT MIX ASPHALT (HMA) PAVEMENT SHALL CONFORM WITH SECTION 400 - HOT MIX ASPHALT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH SECTION 400 IN ITS ENTIRETY IS REFERENCED, THE HOT MIX ASPHALT (HMA) PAVEMENT(S) SPECIFIED FOR THIS CONTRACT SHALL BE AS SPECIFIED UNDER SECTION 400 - HOT MIX ASPHALT (HMA) PAVEMENTS FOR MUNICIPALITIES.
- TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 407 - TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
- WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203 - EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
- PAVEMENT SECTION DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY THE CHAZEN COMPANIES DATED 05/04/18.

**1 PAVEMENT SECTION DETAIL**  
SCALE: NOT TO SCALE



- NOTES:**
- PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADUATED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIeve DESIGNATION | % PASSING |
|-------------------|-----------|
| 3/4"              | 100%      |
| NO. 40            | 0-70%     |
| NO. 200           | 0-10%     |

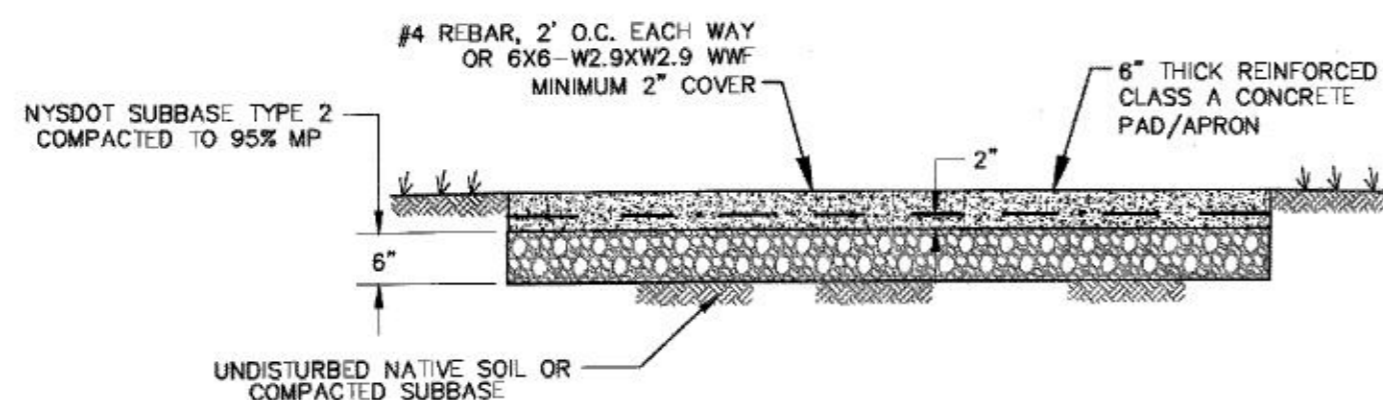
- TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADUATED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIieve DESIGNATION | % PASSING |
|--------------------|-----------|
| 4"                 | 100%      |
| NO. 40             | 0-70%     |
| NO. 200            | 0-10%     |

IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.

- INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
- TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
- 5'-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.

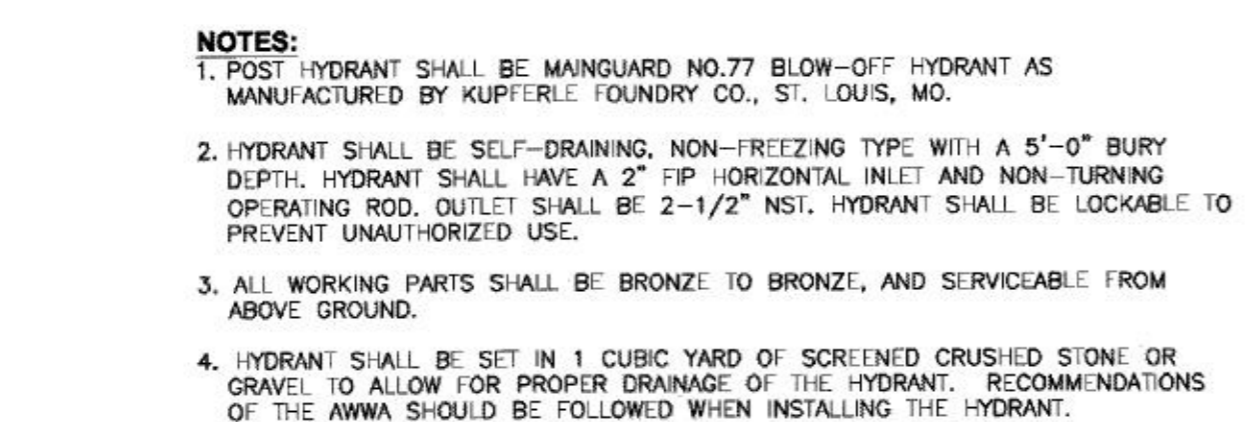
**2 PIPE TRENCH DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE



**13 SLAB-ON-GRADE CONCRETE PAD DETAIL**  
SCALE: NOT TO SCALE

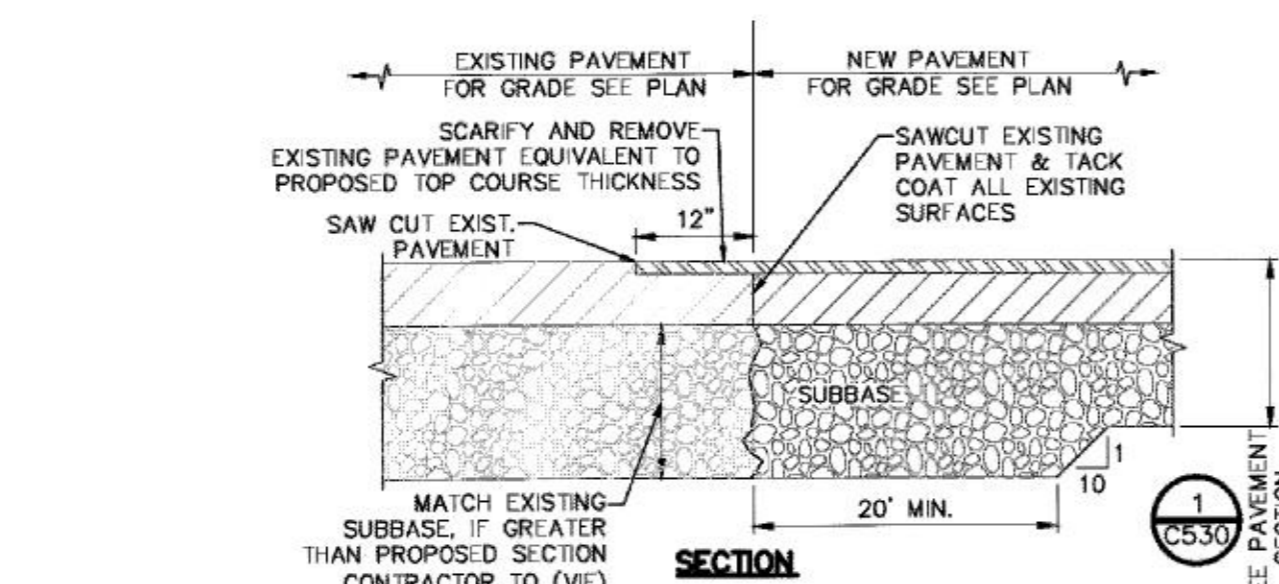


**5 TYPICAL BLOW-OFF HYDRANT**  
SCALE: NOT TO SCALE

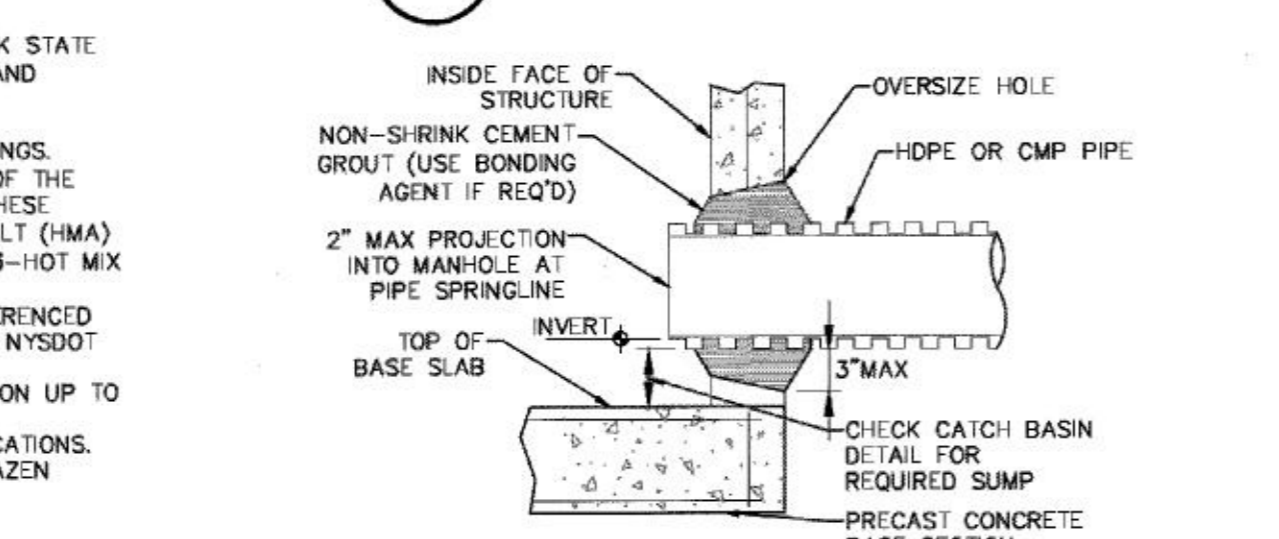


- NOTES:**
- POST HYDRANT SHALL BE MANGUARD NO.77 BLOW-OFF HYDRANT AS MANUFACTURED BY KUPFERLE FOUNDRY CO., ST. LOUIS, MO.
  - HYDRANT SHALL BE SELF-DRAINING, NON-FREEZING TYPE WITH A 5'-0" BURY DEPTH. HYDRANT SHALL HAVE A 2" TIP HORIZONTAL INLET AND NON-TURNING OPERATING ROD. OUTLET SHALL BE 2-1/2" NST. HYDRANT SHALL BE LOCKABLE TO PREVENT UNAUTHORIZED USE.
  - ALL WORKING PARTS SHALL BE BRONZE TO BRONZE, AND SERVICEABLE FROM ABOVE GROUND.
  - HYDRANT SHALL BE SET IN 1 CUBIC YARD OF SCREENED CRUSHED STONE OR GRAVEL TO ALLOW FOR PROPER DRAINAGE OF THE HYDRANT. RECOMMENDATIONS OF THE AWMA SHOULD BE FOLLOWED WHEN INSTALLING THE HYDRANT.

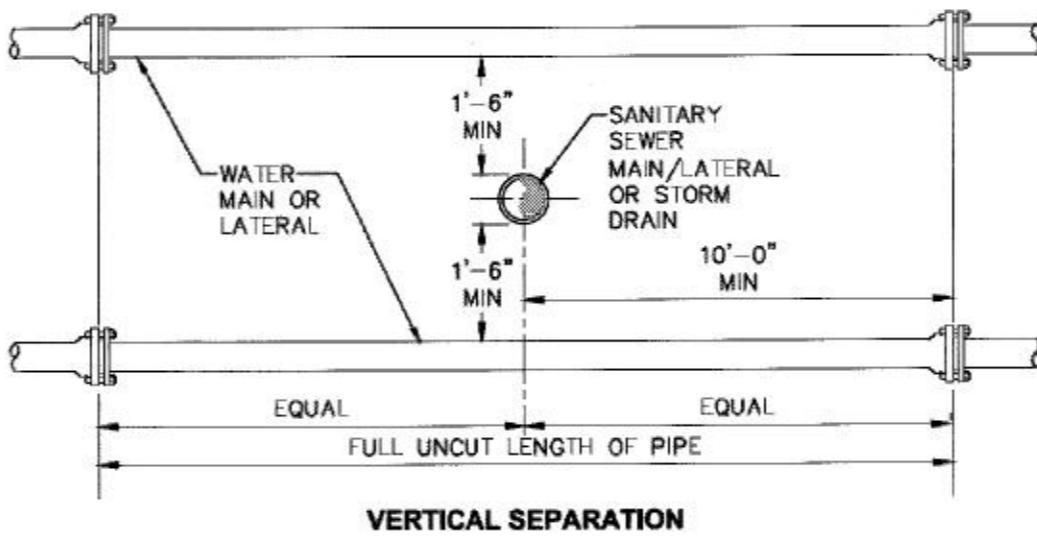
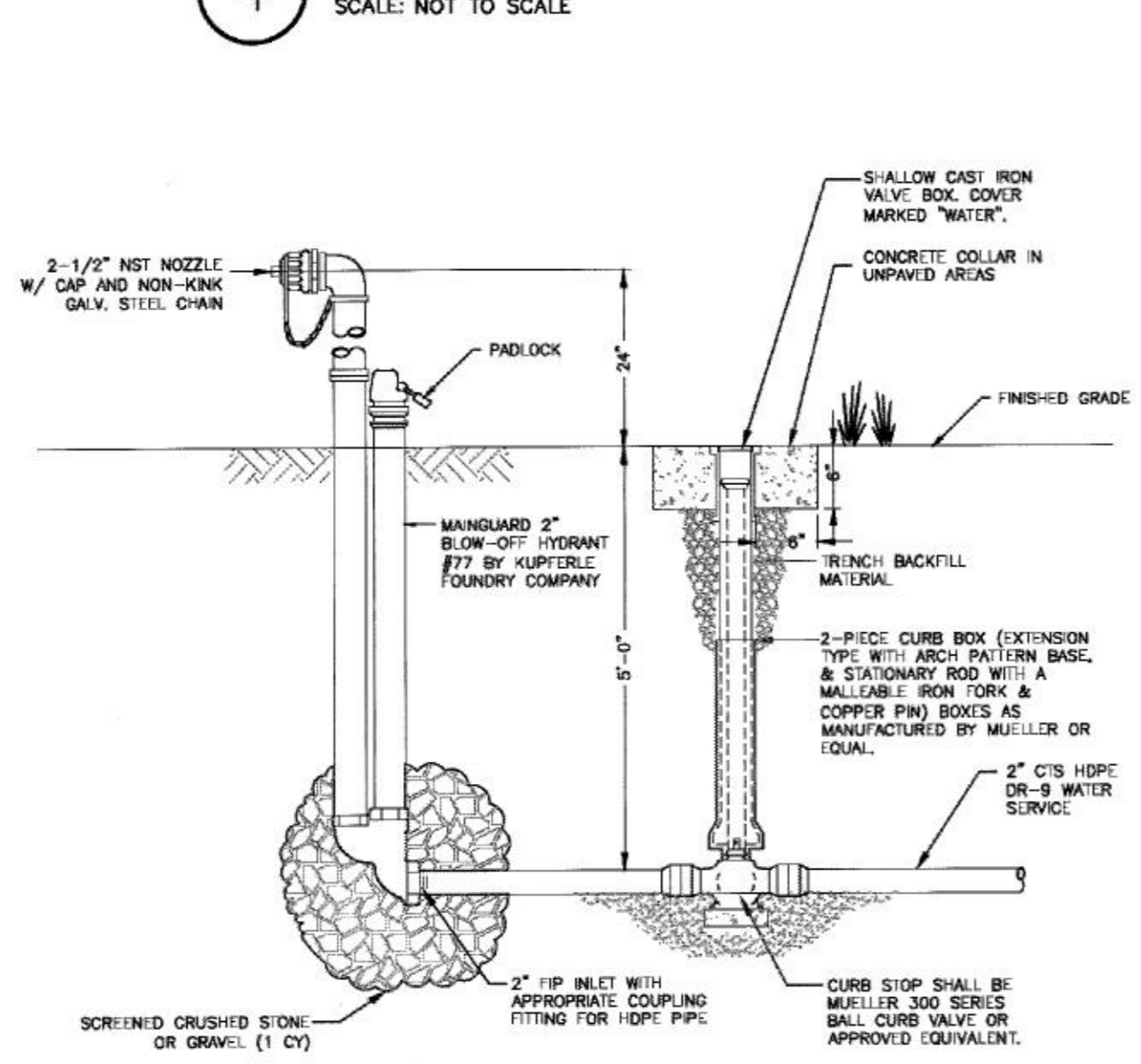
**3 PAVEMENT TRANSITION DETAIL**  
SCALE: NOT TO SCALE



**6 TYPICAL CURB VALVE AND BOX**  
SCALE: NOT TO SCALE



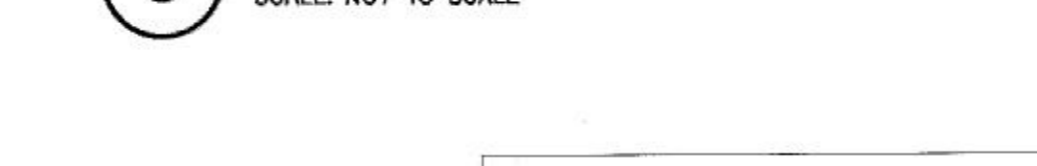
**4 PIPE CONNECTION TO DRAINAGE STRUCTURE - CMP OR HDPE CEMENT GROUT SEAL JOINT**  
SCALE: NOT TO SCALE



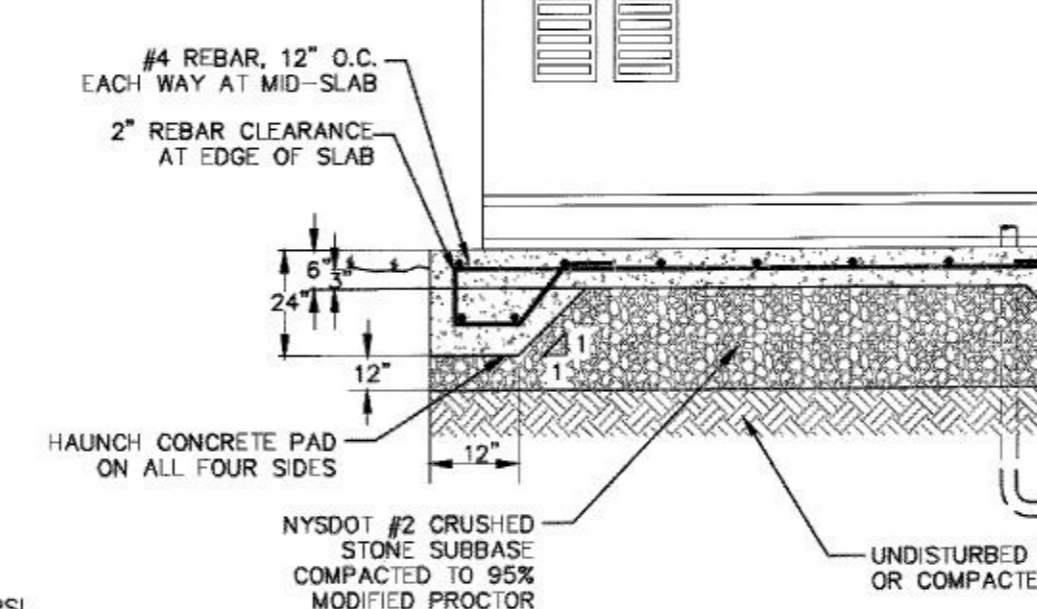
**8 SANITARY/STORM SEWER AND WATERMAIN SEPARATION DETAIL**  
SCALE: NOT TO SCALE

- NOTES:**
- NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE NYS HEALTH DEPARTMENT. OFFSETTING OF WATERLINE SHALL BE REQUIRED WHERE SEPARATION DISTANCES CANNOT BE MAINTAINED.
  - WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT, DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO 150psi TO ASSURE WATER TIGHTNESS.

**9 WATERLINE OFFSET DETAIL**  
SCALE: NOT TO SCALE



**10 GENERATOR PAD DETAIL**  
SCALE: NOT TO SCALE

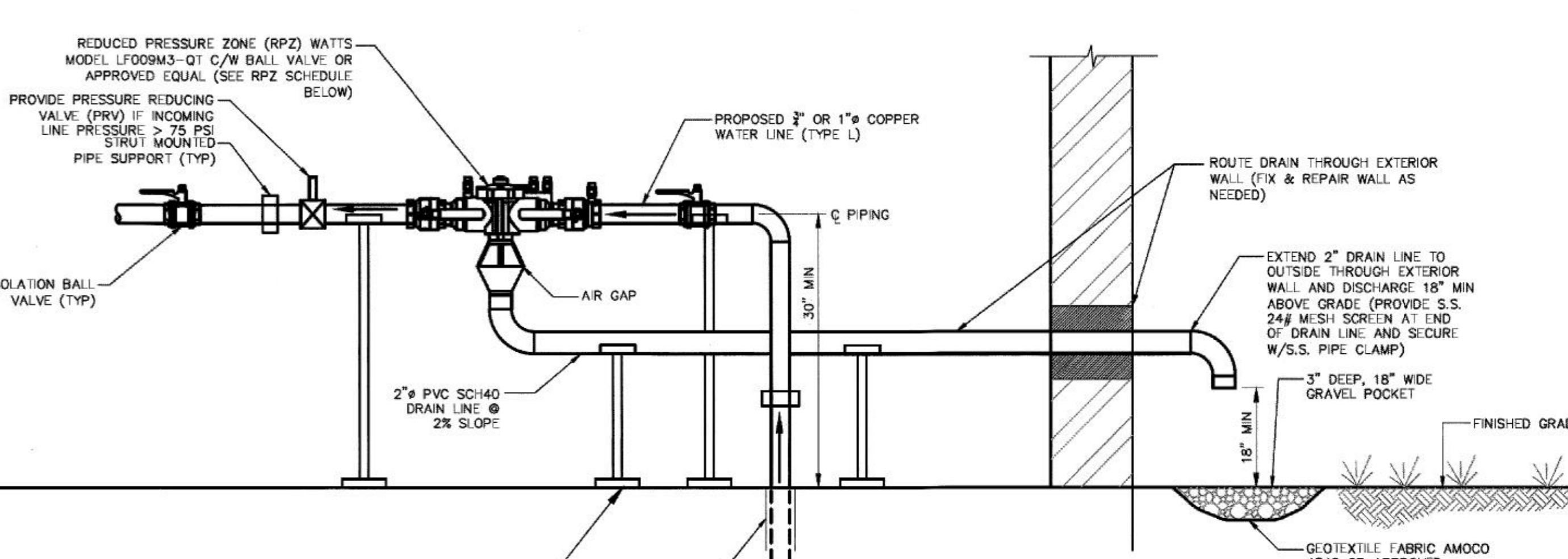


- NOTE:**
- THE GENERATOR SHALL BE HOUSED IN A SOUND ATTENUATED ACOUSTICALLY DESIGNED WEATHER PROTECTIVE ENCLOSURE. THE UNIT SHALL BE PROVIDED WITH THE FOLLOWING: RUN-OFF-AUTO SWITCH, RUNNING TIME METER, CRITICAL GRADE EXHAUST SILENCER, AUTOMATIC TRANSFER SWITCH, AUTOMATIC BATTERY CHARGER, GENERATOR ALARM STATUS PANEL, OIL PRESSURE GAUGE, HIGH TEMPERATURE AND LOW OIL PRESSURE SHUTDOWN.
  - MINIMUM CONCRETE PAD DIMENSIONS PER GENERATOR MANUFACTURER'S RECOMMENDATIONS.

**11 STEEL & CONCRETE BOLLARD DETAIL**  
SCALE: NOT TO SCALE



**12 SECTION WATER/SEWER SEPARATION REQUIREMENTS**  
SCALE: NOT TO SCALE



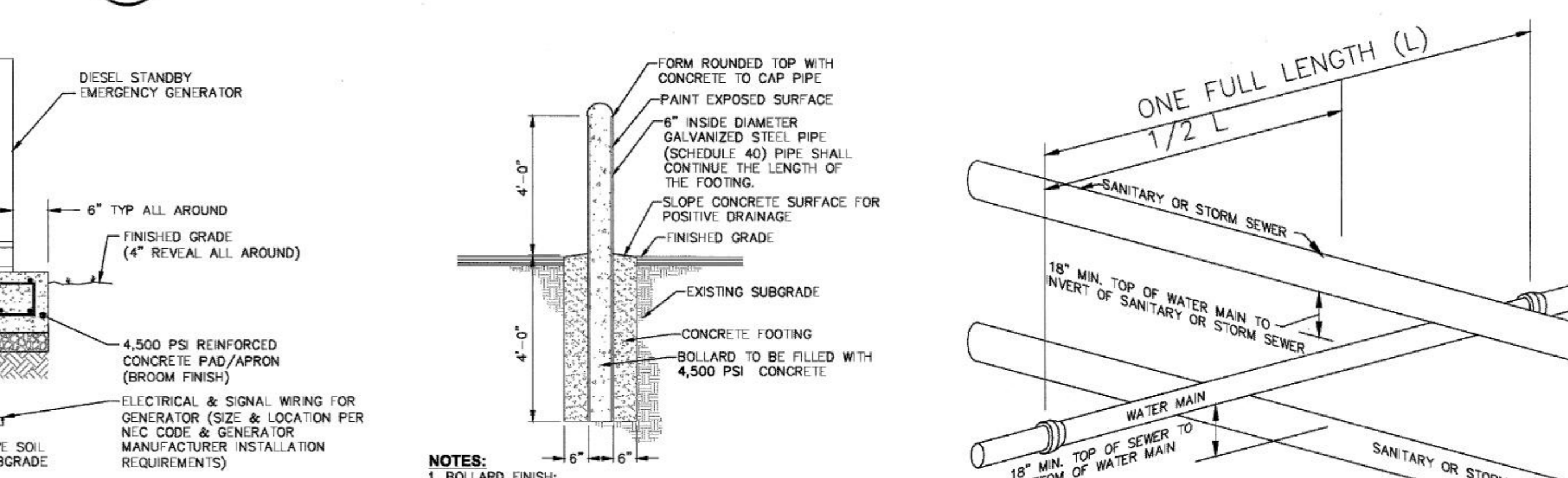
**7 BACKFLOW PREVENTION DEVICE (TYP)**  
SCALE: NOT TO SCALE

- NOTES:**
- ALL DOUBLE CHECK VALVE (DCV) AND REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED AS PER THE JANUARY 1992 NYSDOH "GUIDELINES FOR DESIGNING BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS".
  - PROVIDE THE FOLLOWING CLEARANCES FOR MAINTENANCE OF THE BACKFLOW PREVENTION DEVICE:
    - 12" MIN CLEAR SPACE ABOVE THE ASSEMBLY
    - 30" MIN OF CLEAR SPACE FROM THE FRONT SIDE OF THE DEVICE AND THE NEAREST WALL OR OBSTRUCTION
    - 6" MIN OF CLEAR SPACE FROM THE BACK SIDE OF THE DEVICE TO THE NEAREST WALL OR OBSTRUCTION
    - 18" MIN CLEARANCE BETWEEN THE BOTTOM OF THE RELIEF VALVE AND THE FLOOR (RPZ ONLY)
    - AN AIR GAP OF AT LEAST TWICE THE DIAMETER OF THE DRAIN LINE SHALL BE PROVIDED ABOVE THE FLOOR DRAIN. THE AIR GAP SHALL IN NO CASE BE LESS THAN 1 INCH (RPZ ONLY)
  - FOLLOWING COMPLETION OF THE INSTALLATION, THE OWNER SHALL BE RESPONSIBLE FOR TESTING. THE BACKFLOW PREVENTION DEVICE SHALL BE TESTED BY A NYSDOH FORM 1013 AND PROVIDED TO OWNER AND DCOOH.
  - THE OWNER SHALL BE RESPONSIBLE FOR TESTING ALL BACKFLOW PREVENTION DEVICES AT LEAST ANNUALLY. THE TEST SHALL BE COMPLETED BY A NYS CERTIFIED TESTER WITH A COPY OF THE INSPECTION AND TEST REPORT (DOH-1013) FORWARDED TO DUTCHESS COUNTY WATER & WASTEWATER AUTHORITY AND THE DUTCHESS COUNTY DEPARTMENT OF HEALTH.
  - ALL BACKFLOW PREVENTION DEVICES SHALL BE COMPLETELY DISASSEMBLED AND RE-ASSEMBLED EVERY FIVE (5) YEARS FOR MAINTENANCE PURPOSES.



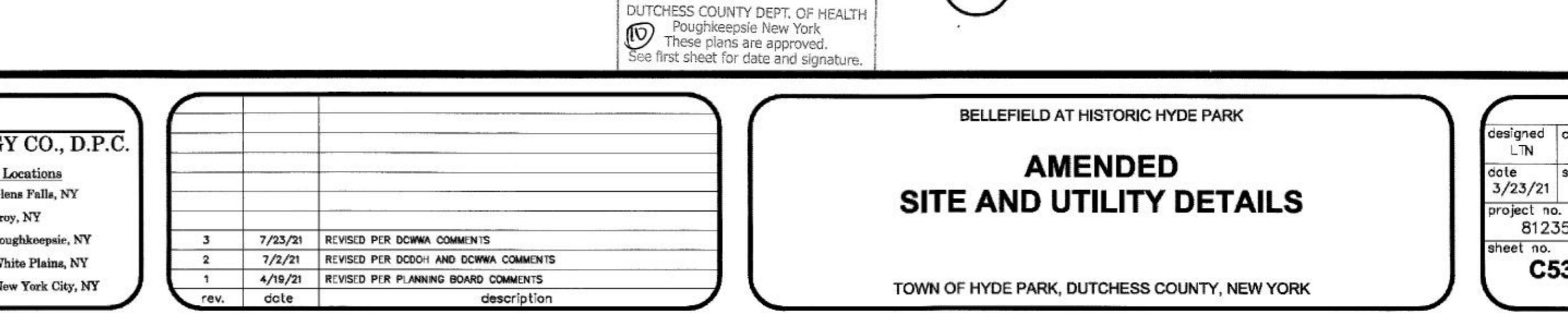
- NOTES:**
- WHEN THE ELEVATION OF THE SEWER CAN NOT BE VARIED TO MEET THE SEPARATION REQUIREMENTS, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS REQUIRED SEPARATION.
  - WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO 150psi TO ASSURE WATER TIGHTNESS.
  - PROVIDE 2" THICK HIGH DENSITY EXTRUDED POLYSTYRENE INSULATION (STYROFOAM H40 OR APPROVED EQUAL) INSULATION SHALL BE 4" WIDE CENTERED ON THE WATER MAIN AND EXTEND 4' ON EITHER SIDE OF THE SEWER/CULVERT EXTERIOR WALLS.

**11 STEEL & CONCRETE BOLLARD DETAIL**  
SCALE: NOT TO SCALE



- NOTES:**
- BOLLARD FINISH: PREPARE GALVANIZED COATING TO RECEIVE PAINTED FINISH. APPLY (1) COAT OF RUST-INHIBITOR PRIMER. APPLY (2) COATS OF GLOSS ENAMEL (COLOR TO BE SELECTED BY THE OWNER).
  - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI @ 28 DAYS.
  - ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" (WITH A TOLERANCE OF 1").
  - ALL CONCRETE SHALL HAVE A 5% ENTRAINED AIR (WITH A TOLERANCE OF 1%) CONFORMING WITH ASTM C260.

**12 SECTION WATER/SEWER SEPARATION REQUIREMENTS**  
SCALE: NOT TO SCALE



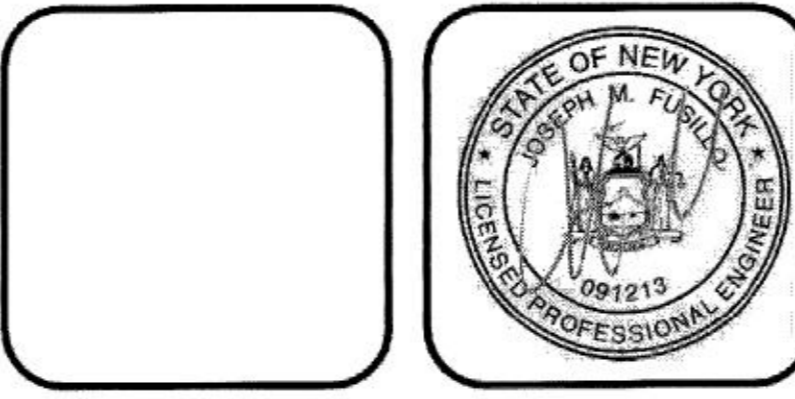
**13 SLAB-ON-GRADE CONCRETE PAD DETAIL**  
SCALE: NOT TO SCALE



| RPZ SCHEDULE        |          |                     |
|---------------------|----------|---------------------|
| LOCATION            | QUANTITY | MAKE & MODEL        |
| HOT BOX ENCLOSURE   | 1        | WATTS 1" LF06M02-GT |
| SCREENINGS BUILDING | 1        | WATTS 1" LF06M03-GT |
| TREATMENT BUILDINGS | 3        | WATTS 2" LF06M03-GT |
| LABORATORY BUILDING | 1        | WATTS 2" LF06M02-GT |

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| rev. | date    | description                         |
|------|---------|-------------------------------------|
| 3    | 7/23/21 | REVISED PER DCWA COMMENTS           |
| 2    | 7/2/21  | REVISED PER DCOOH AND DCWA COMMENTS |
| 1    | 4/18/21 | REVISED PER PLANNING BOARD COMMENTS |

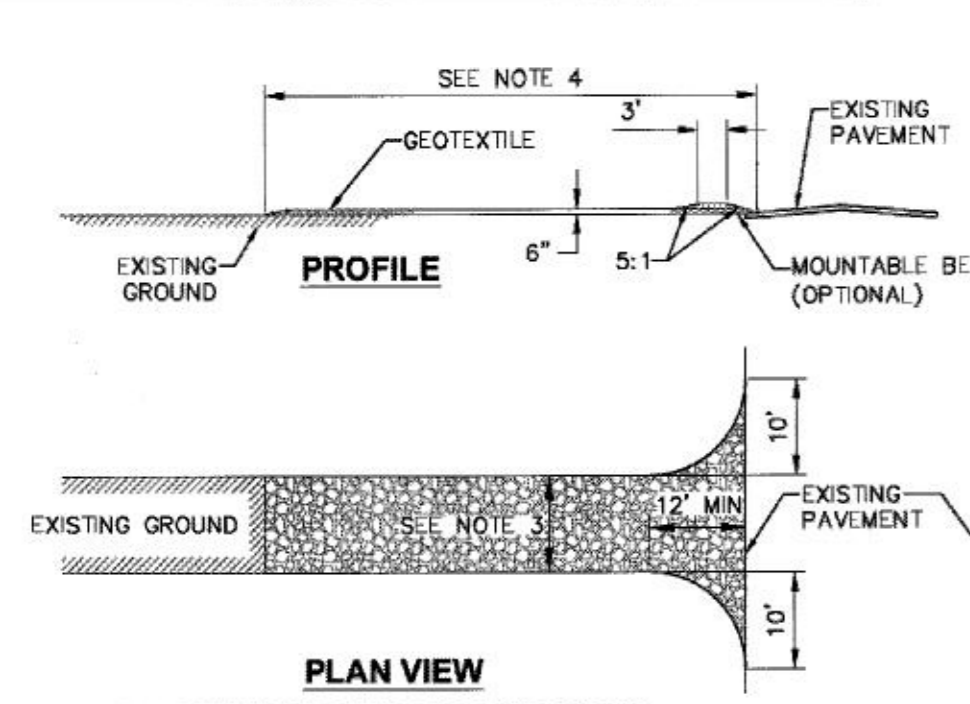
BELLEFIELD AT HISTORIC HYDE PARK

**AMENDED SITE AND UTILITY DETAILS**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

designed LTN checked PB  
date 3/23/21 scale  
project no. 81235.09  
sheet no. C530

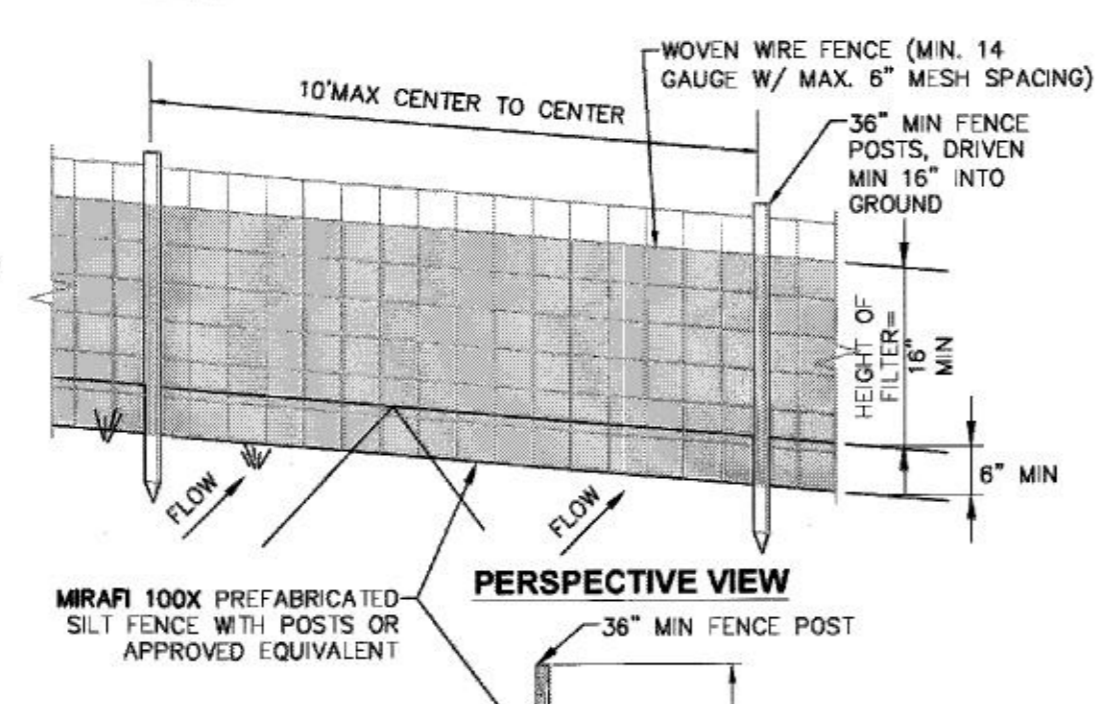
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| LTN         | PB       |
| date        | scale    |
| 3/23/21     |          |
| project no. | 81235.09 |
| sheet no.   | C530     |



**CONSTRUCTION ENTRANCE SPECIFICATIONS:**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY FOUR (24) FEET IF SINGLE ENTRANCE TO SITE.
- LENGTH - NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
- GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**1 STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
SCALE: NOT TO SCALE

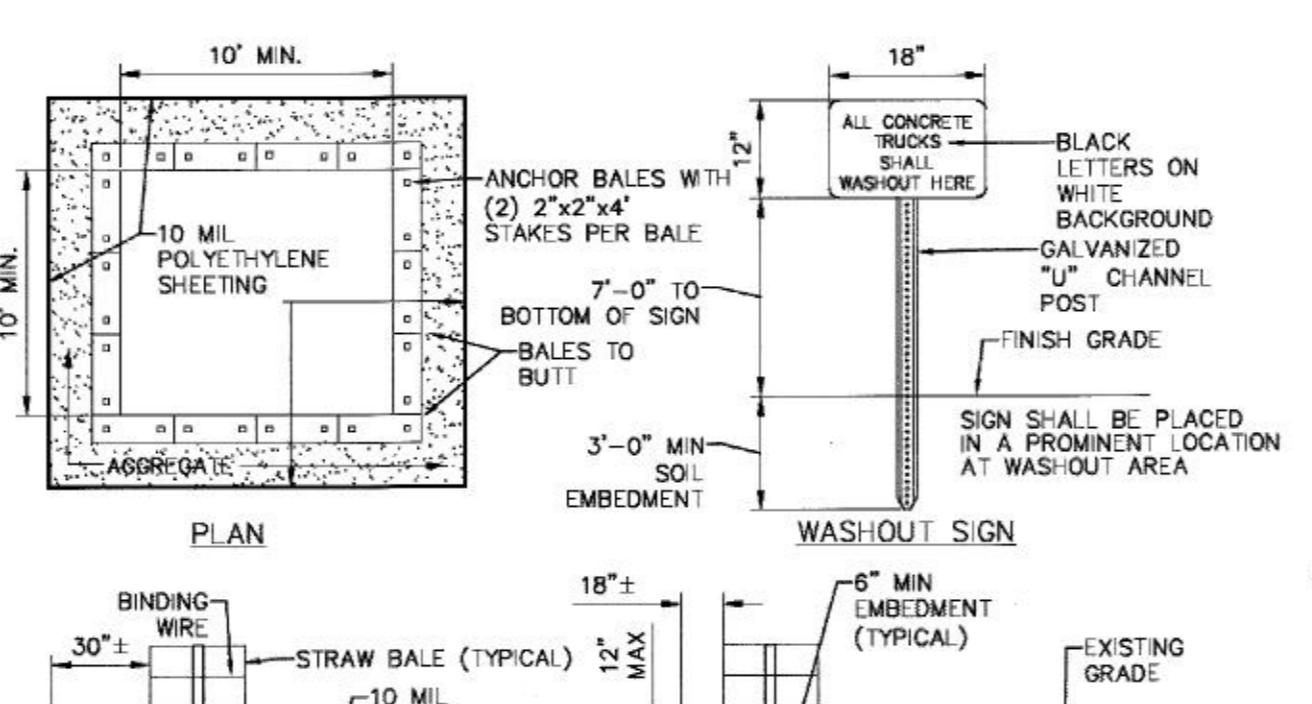


**NOTES:**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "I" OR "U" TYPE OR HARDWOOD.
- FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX MESH OPENING.
- WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
- SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
- SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
- MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE:

| SLOPE STEEPNESS | MAXIMUM SLOPE LENGTH (FT) |
|-----------------|---------------------------|
| 2:1             | 25                        |
| 3:1             | 50                        |
| 4:1             | 75                        |
| 5:1 OR FLATTER  | 100                       |

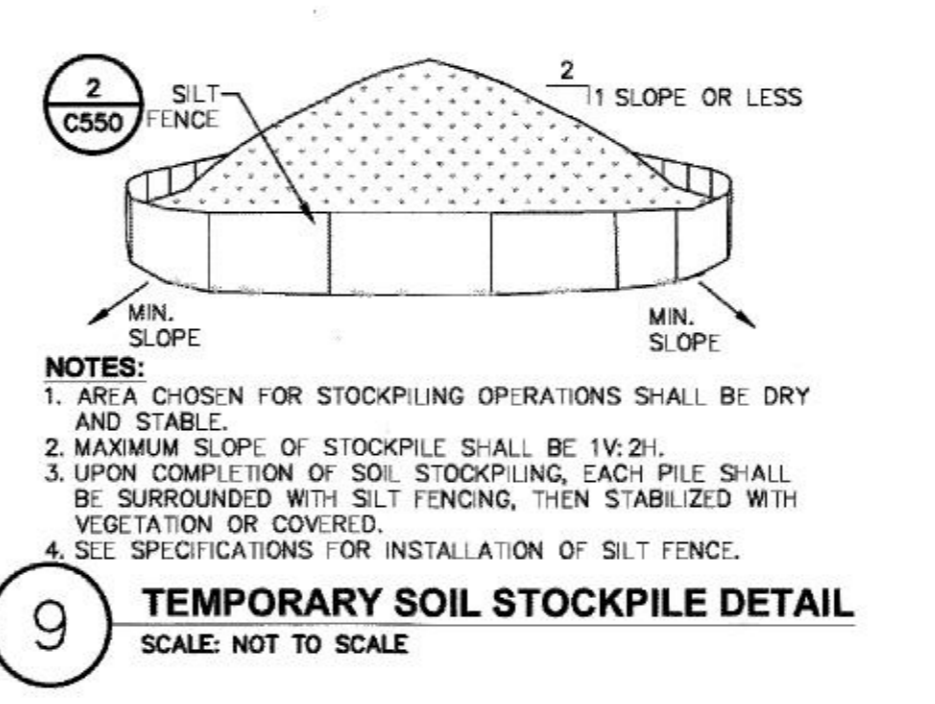
**2 SILT FENCE INSTALLATION DETAIL**  
SCALE: NOT TO SCALE



**NOTES:**

- CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
- CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
- WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL. THIS INCLUDES REPLACEMENT OF THE 10 MIL POLYETHYLENE SHEETING.
- WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
- ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
- AT LEAST WEEKLY, REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

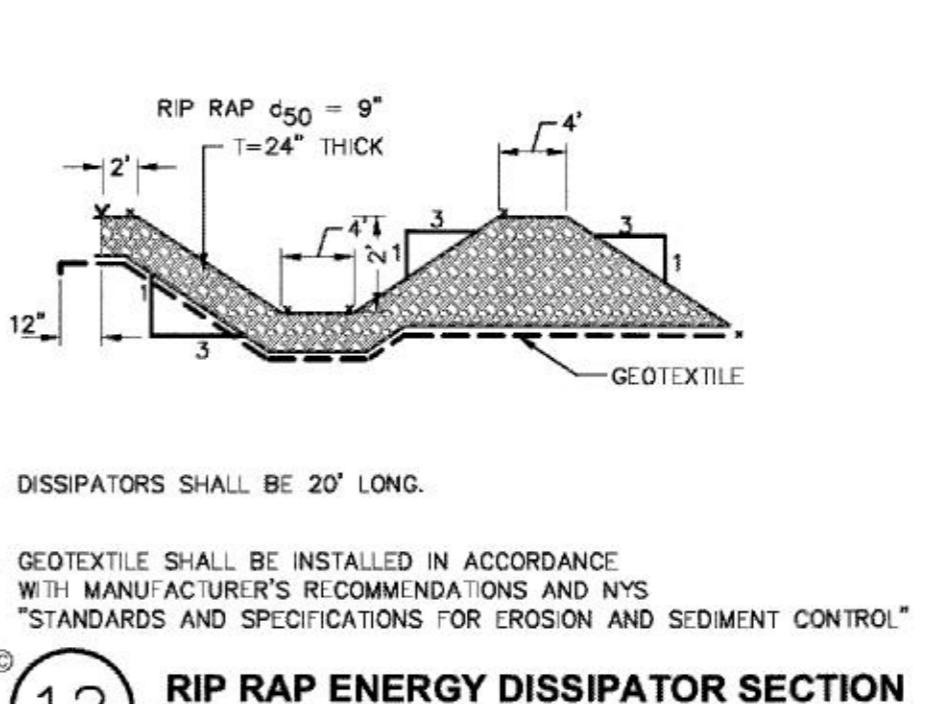
**3 CONCRETE WASHOUT AREA DETAIL**  
SCALE: NOT TO SCALE



**NOTES:**

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
- SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

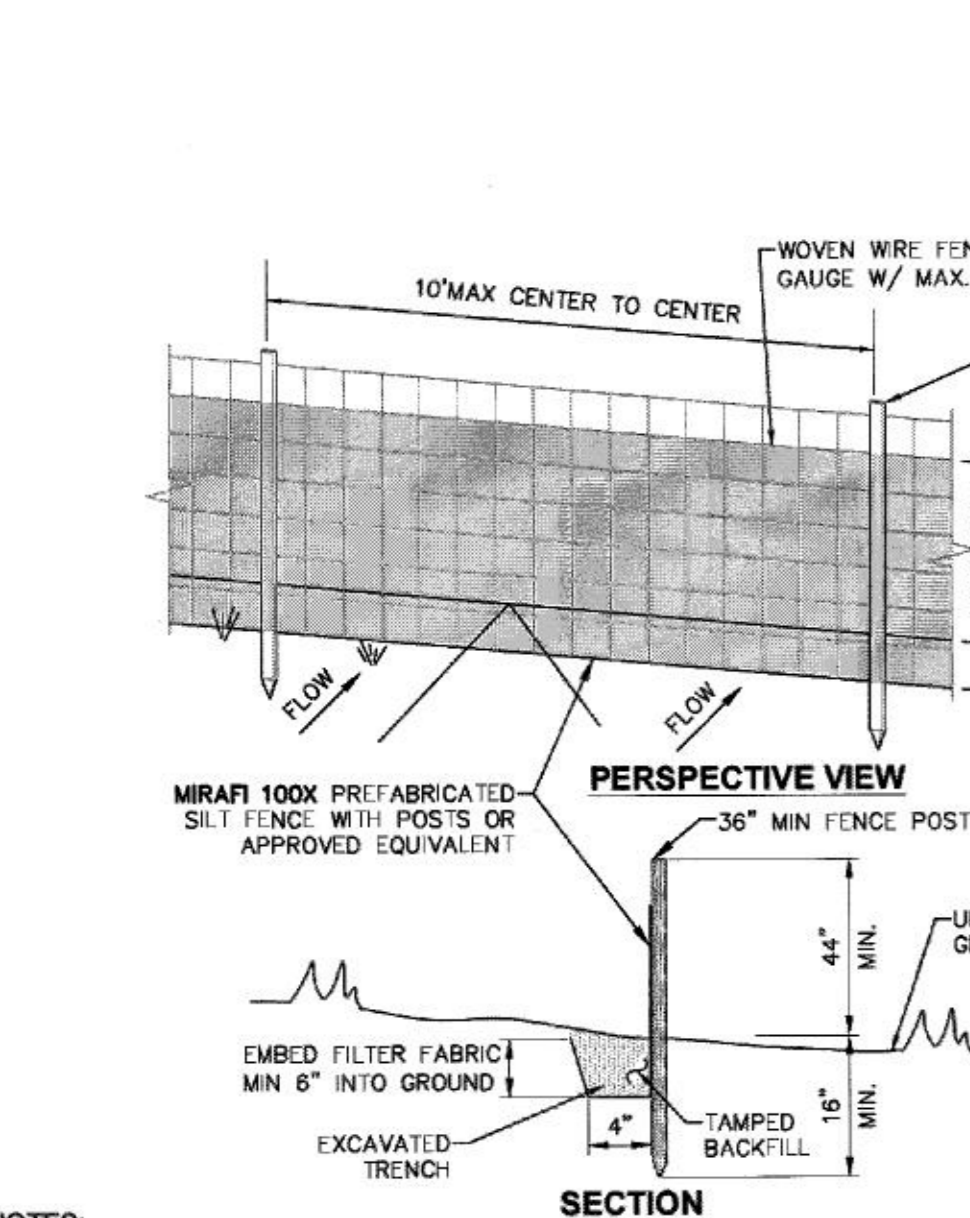
**4 TEMPORARY SOIL STOCKPILE DETAIL**  
SCALE: NOT TO SCALE



**NOTES:**

- DISSIPATORS SHALL BE 20' LONG.
- GEOTEXTILE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

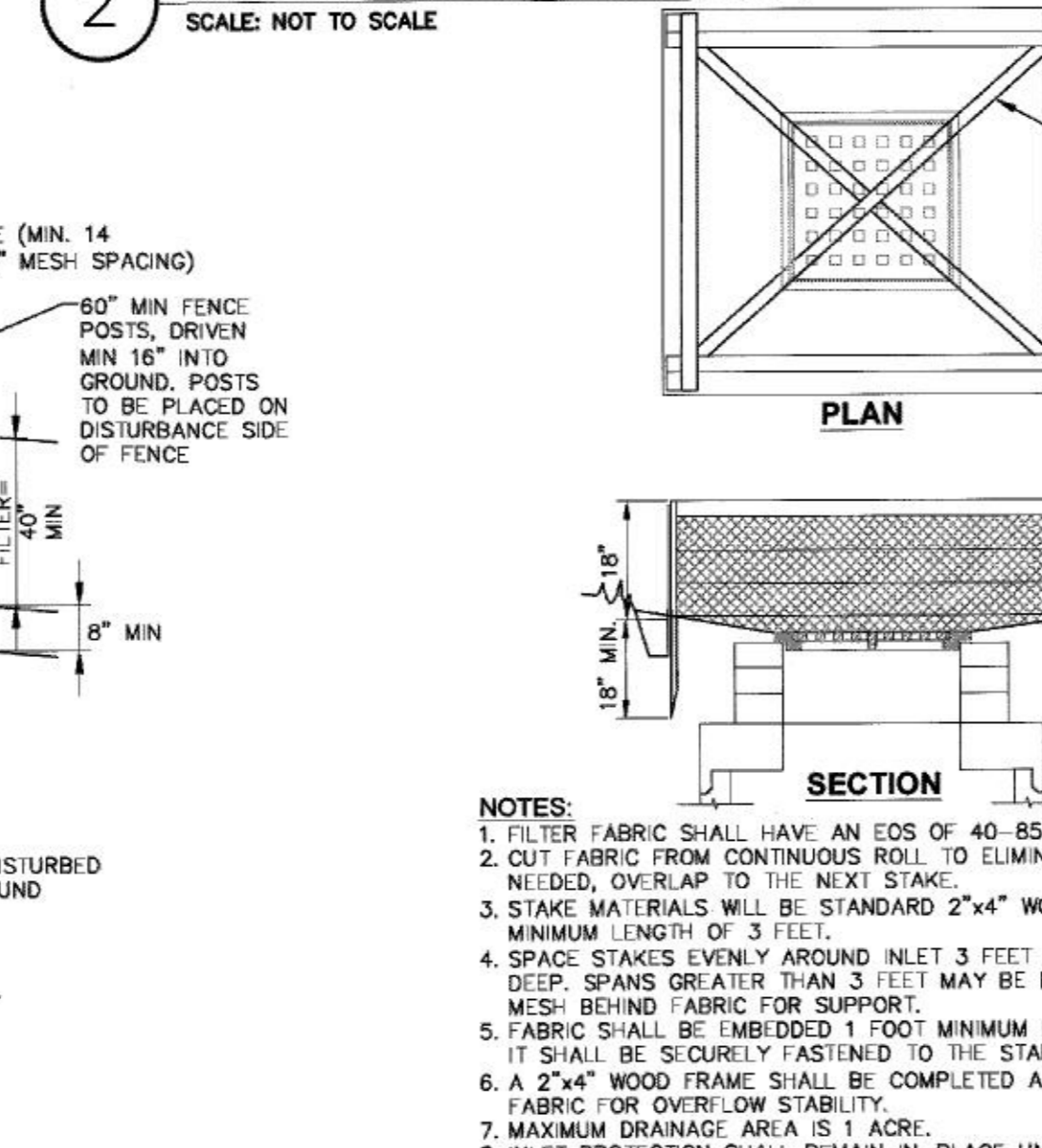
**5 RIP RAP ENERGY DISSIPATOR SECTION**  
SCALE: NOT TO SCALE



**NOTES:**

- TOPSOIL, SEED, MULCH, AND FERTILIZER: DISTURBED SOIL AREAS THAT WILL BE LEFT EXPOSED FOR 14 DAYS OR MORE.
- FERTILIZER: COMMERCIAL 5-10-5, 175 POUNDS PER ACRE.
- TOPSOIL: A NATURAL, FERTILE, AGRICULTURAL SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH.
- MULCH: LAYER OF COMMON HAY OR STRAW; 2 TONS PER ACRE.

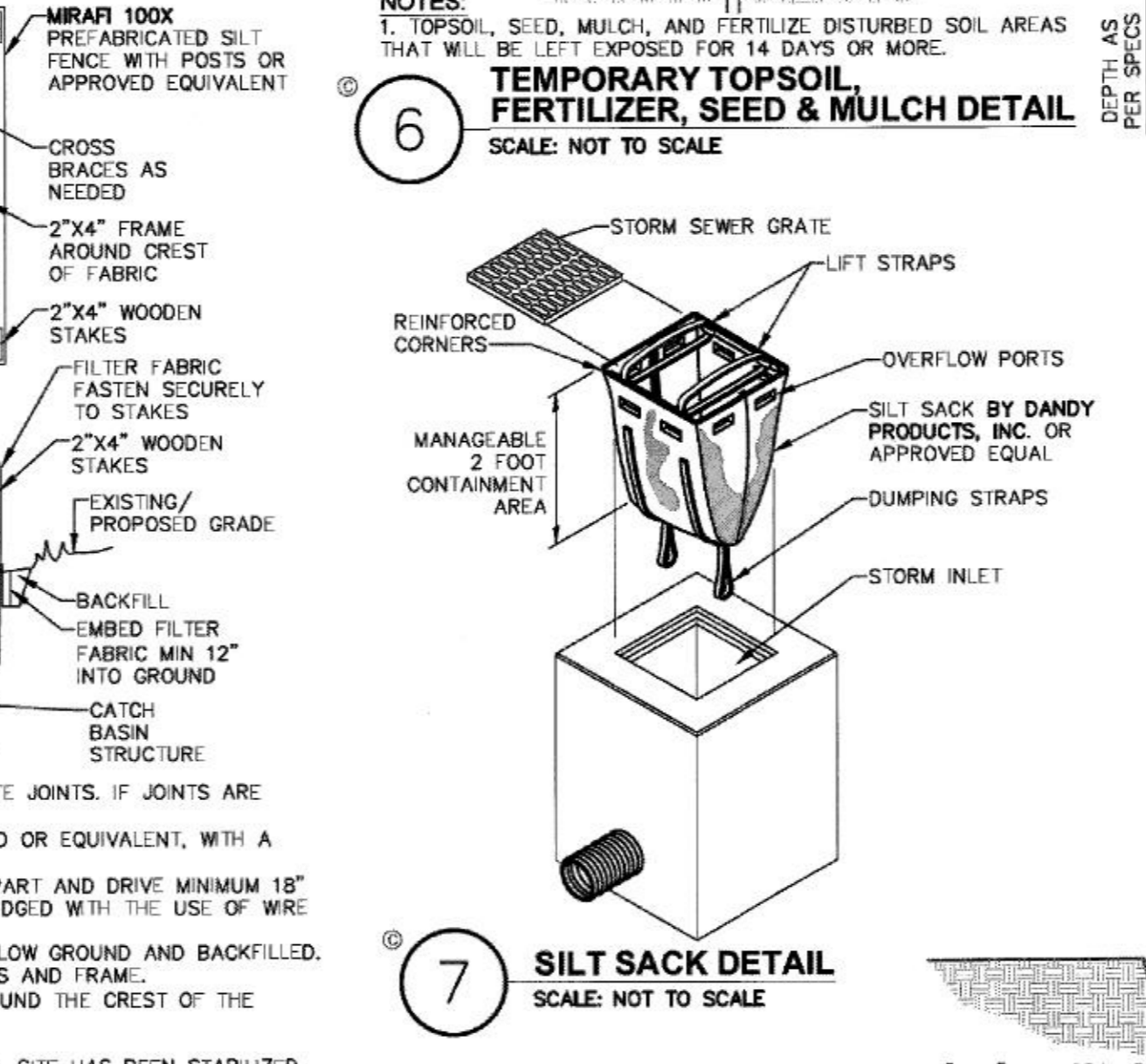
**6 TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL**  
SCALE: NOT TO SCALE



**NOTES:**

- FILTER FABRIC SHALL HAVE AN EDS OF 40-85.
- CUT FABRIC FROM CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, OVERLAP TO THE NEXT STAKE.
- STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT, WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE MINIMUM 18" DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND FABRIC FOR SUPPORT.
- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.
- MAXIMUM DRAINAGE AREA IS 1 ACRE.
- INLET PROTECTION SHALL REMAIN IN PLACE UNTIL SITE HAS BEEN STABILIZED.

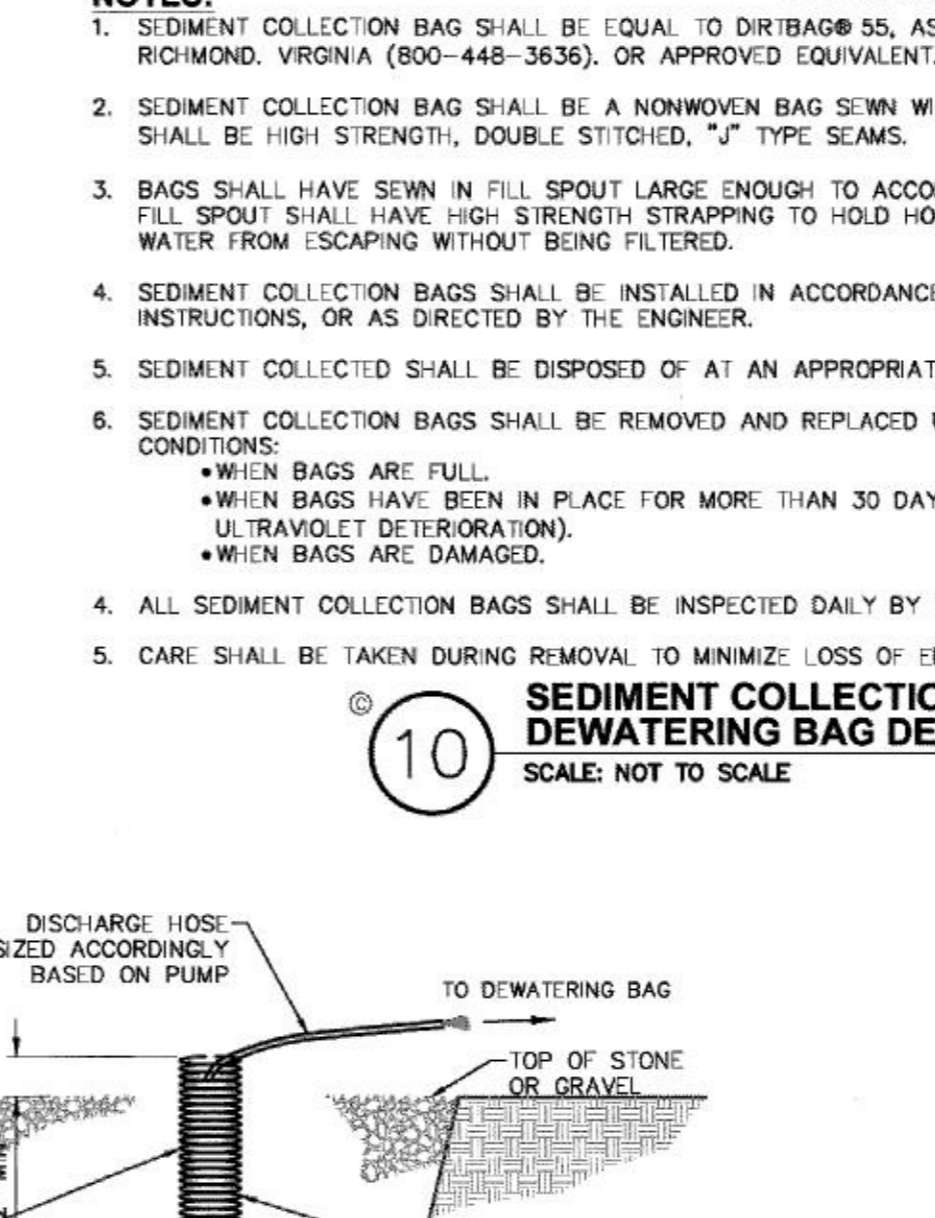
**7 SILT SACK DETAIL**  
SCALE: NOT TO SCALE



**NOTES:**

- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- SECURE FILTERSOCK TO GROUND AT BOTH ENDS.
- INLET PROTECTION SHALL REMAIN IN PLACE UNTIL SITE HAS BEEN STABILIZED.

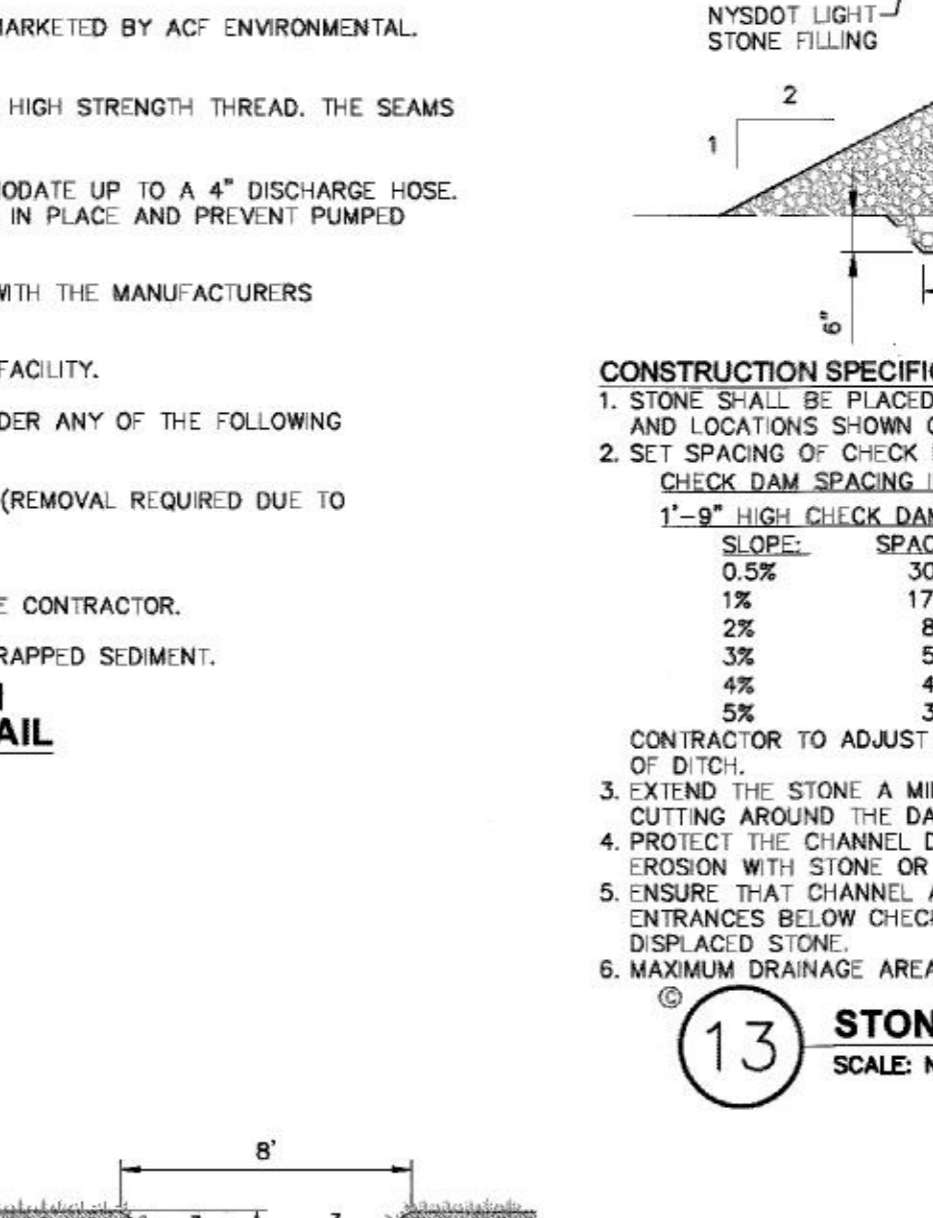
**8 TEMPORARY OUT OF PAVEMENT FILTER FABRIC DROP INLET PROTECTION DETAIL**  
SCALE: NOT TO SCALE



**NOTES:**

- SEDIMENT COLLECTION BAG SHALL BE EQUAL TO DIRBAG 95, AS MARKETED BY ACF ENVIRONMENTAL RICHMOND, VIRGINIA (800-448-3636), OR APPROVED EQUIVALENT.
- SEDIMENT COLLECTION BAG SHALL BE A NONWOVEN BAG SEWN WITH HIGH STRENGTH THREAD. THE SEAMS SHALL BE HIGH STRENGTH, DOUBLE STITCHED, "J" TYPE SEAMS.
- BAGS SHALL HAVE SEWN IN FILL SPOUT LARGE ENOUGH TO ACCOMMODATE UP TO A 4" DISCHARGE HOSE. FILL SPOUT SHALL HAVE HIGH STRENGTH STRAPPING TO HOLD HOSE IN PLACE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.
- SEDIMENT COLLECTION BAGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, OR AS DIRECTED BY THE ENGINEER.
- SEDIMENT COLLECTED SHALL BE DISPOSED OF AT AN APPROPRIATE FACILITY.
- SEDIMENT COLLECTION BAGS SHALL BE REMOVED AND REPLACED UNDER ANY OF THE FOLLOWING CONDITIONS:
  - WHEN BAGS ARE FULL.
  - WHEN BAGS HAVE BEEN IN PLACE FOR MORE THAN 30 DAYS (REMOVAL REQUIRED DUE TO ULTRAVIOLET DEGRADATION).
  - WHEN BAGS ARE DAMAGED.
- ALL SEDIMENT COLLECTION BAGS SHALL BE INSPECTED DAILY BY THE CONTRACTOR.
- CARE SHALL BE TAKEN DURING REMOVAL TO MINIMIZE LOSS OF ENTRAPPED SEDIMENT.

**9 SEDIMENT COLLECTION DEWATERING BAG DETAIL**  
SCALE: NOT TO SCALE



**CONSTRUCTION SPECIFICATIONS:**

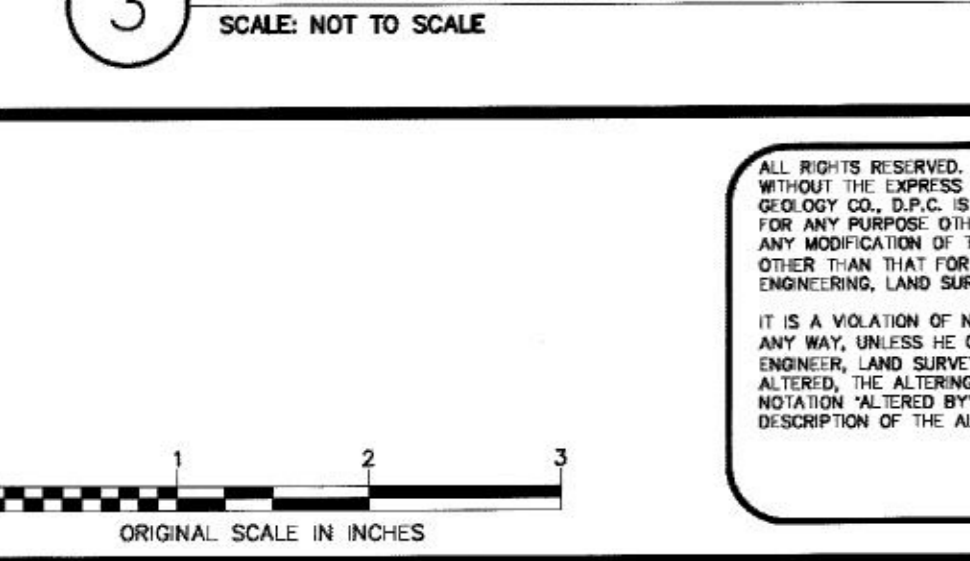
- STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN.
- SET SPACING OF CHECK DAMS IN ACCORDANCE W/ THE FOLLOWING: CHECK DAM SPACING INCREMENT 2'-6" DEEP DITCH/SWALE W/ 1'-8" HIGH CHECK DAM: (SPACING = 100 \* (DEPTH)^0.5)

| SLOPE | SPACING | SLOPE | SPACING |
|-------|---------|-------|---------|
| 0.5%  | 305'    | 6%    | 29'     |
| 1%    | 175'    | 7%    | 25'     |
| 2%    | 87'     | 8%    | 21'     |
| 3%    | 58'     | 9%    | 19'     |
| 4%    | 44'     | 10%   | 17'     |
| 5%    | 35'     |       |         |

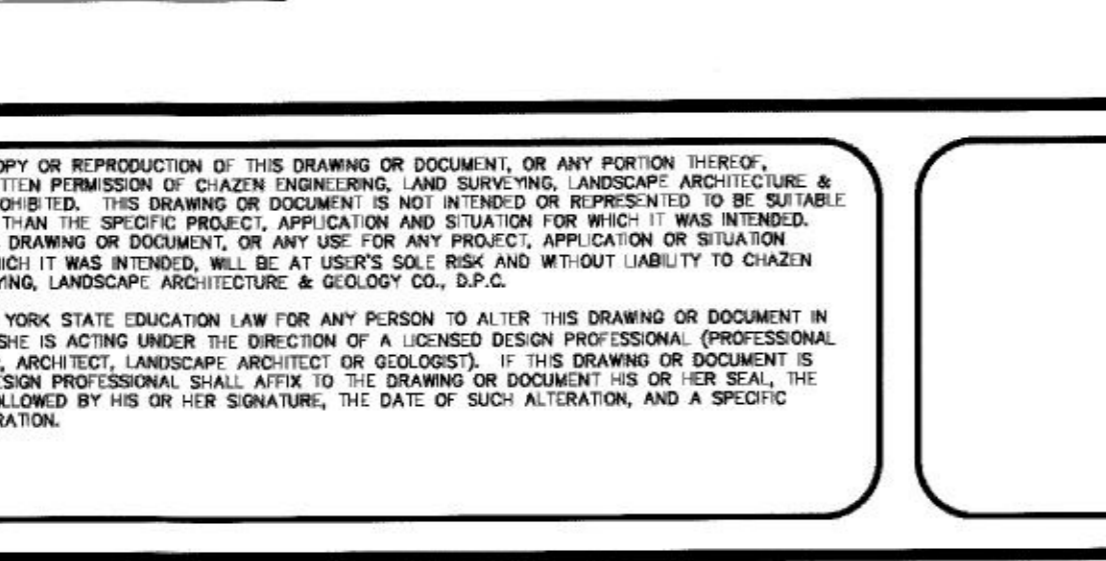
CONTRACTOR TO ADJUST SPACING ACCORDINGLY BASED ON ACTUAL DEPTH & SLOPE OF DITCH.

- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAM ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
- MAXIMUM DRAINAGE AREA IS 2 ACRES.

**10 STONE CHECK DAM DETAIL**  
SCALE: NOT TO SCALE



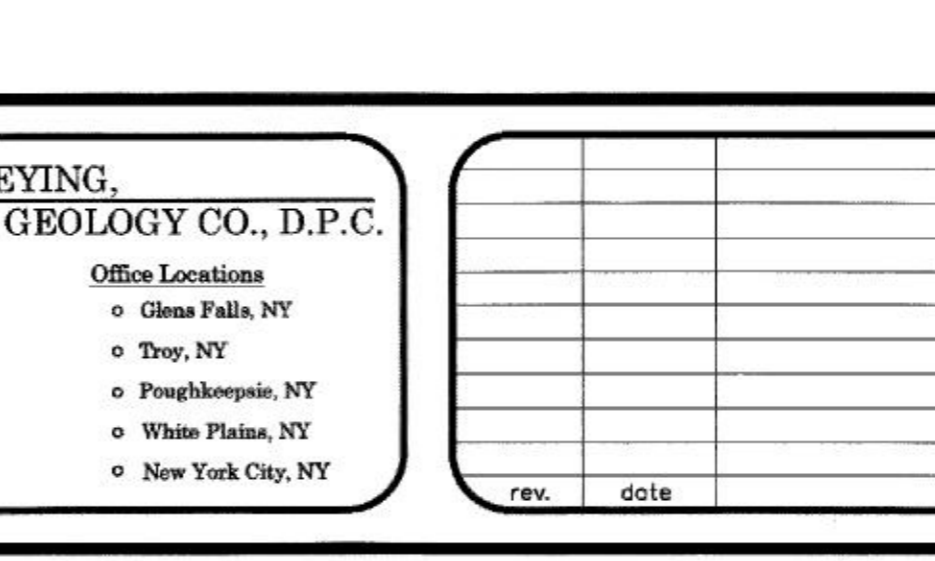
**11 TURTLE RESTRICTIVE SILT FENCE INSTALLATION DETAIL**  
SCALE: NOT TO SCALE



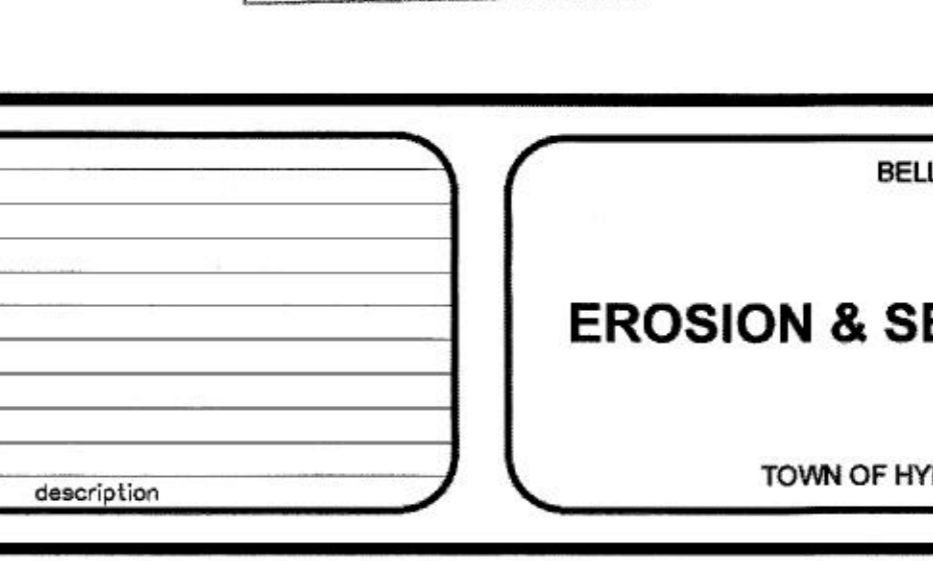
**12 CATCH BASIN GRATE INLET FILTER DETAIL**  
SCALE: NOT TO SCALE



**13 DEWATERING & SUMP PIT DETAIL**  
SCALE: NOT TO SCALE



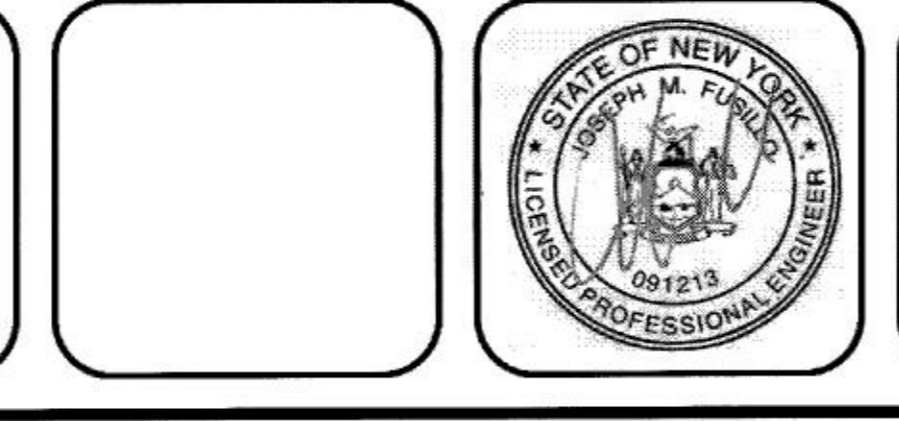
**14 PERMANENT GRASS LINED DIVERSION SWALE DETAIL**  
SCALE: NOT TO SCALE



**15 TEMPORARY TREE PROTECTION DETAIL**  
SCALE: NOT TO SCALE

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BELLEFIELD AT HISTORIC HYDE PARK





**AMENDED**  
**EROSION & SEDIMENT CONTROL DETAILS**

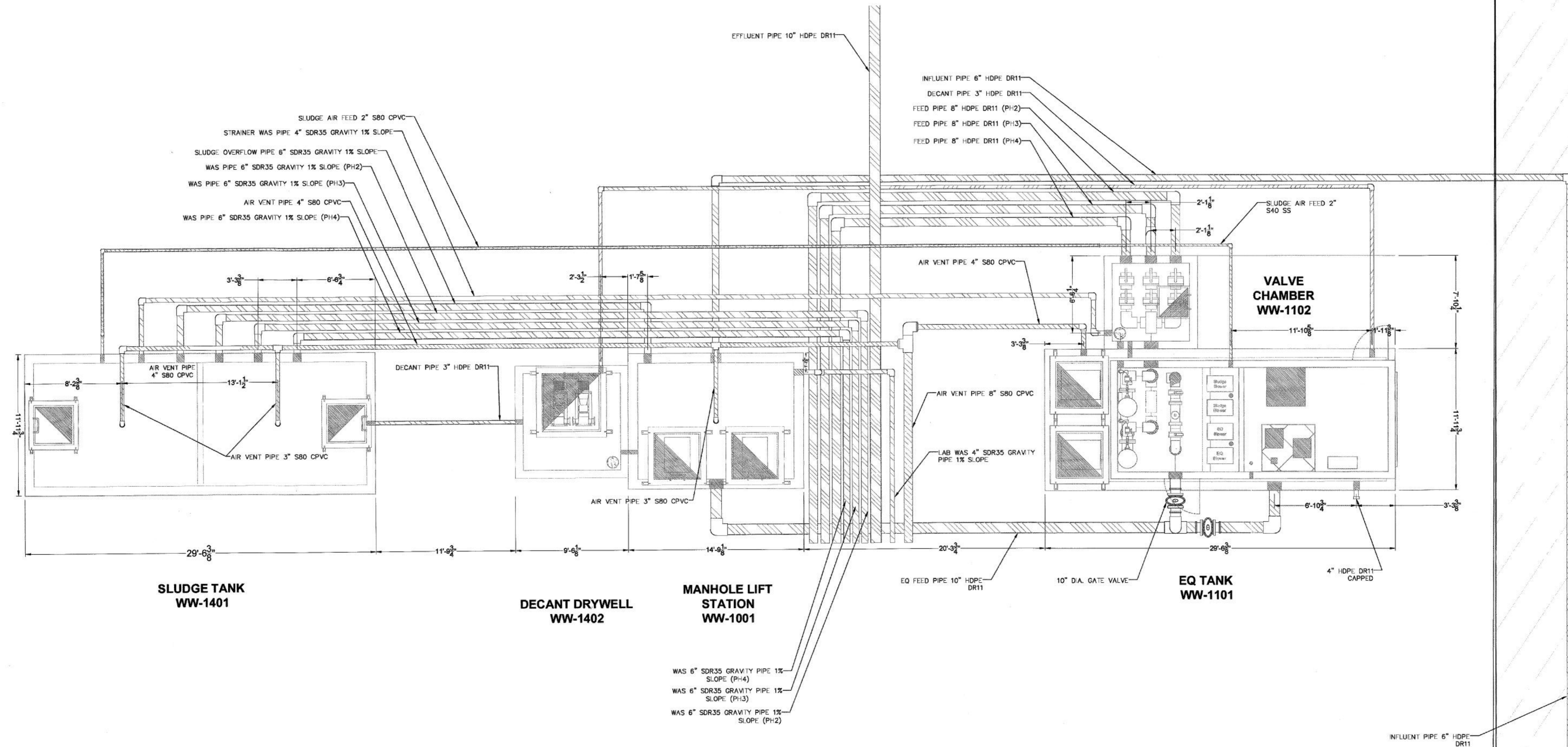
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed    | checked  |
|-------------|----------|
| LTM         | PB       |
| date        | scale    |
| 3/23/21     |          |
| project no. | 81235.09 |
| sheet no.   | C550     |



**LEGEND**

-  CONCRETE CORE
-  GRAVITY PIPE
-  FORCEMAIN PIPE
-  AIR PIPE



1  
S03  
**WWTP SITE PLAN PH1 (EXISTING)**  
SCALE: NOT TO SCALE

DUTCHESS COUNTY DEPT. OF HEALTH  
Poughkeepsie, New York  
These plans are approved.  
See first sheet for date and signature.

**STREAMGO**  
WATER SOLUTIONS INC



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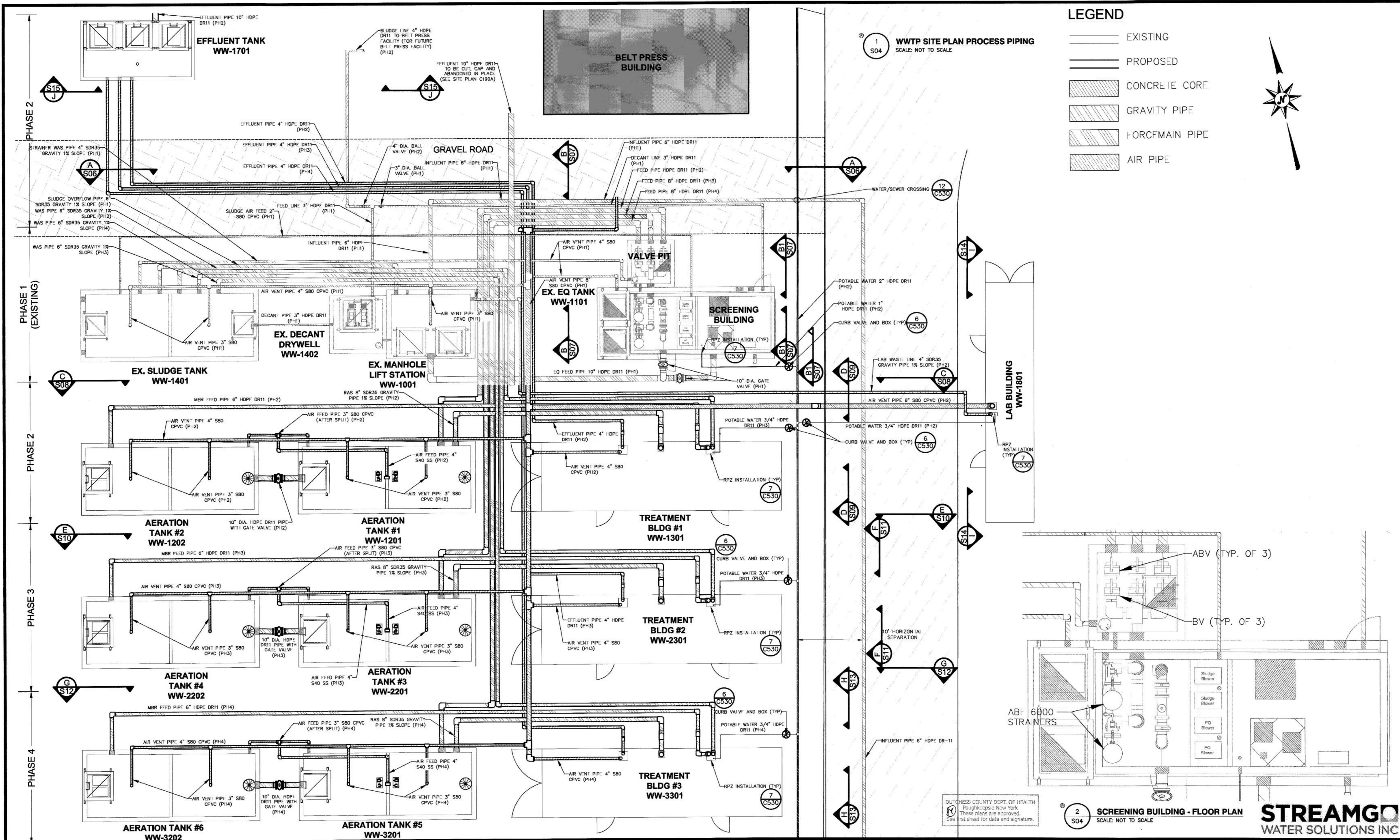


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BELLEFIELD AT HISTORIC HYDE PARK  
**WWTP SITE PLAN PH1 (EXISTING)**  
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

|             |            |
|-------------|------------|
| designed    | checked    |
| TA          | PB         |
| date        | scale      |
| 3/23/21     | N.T.S.     |
| project no. | 81235.09   |
| sheet no.   | <b>S03</b> |



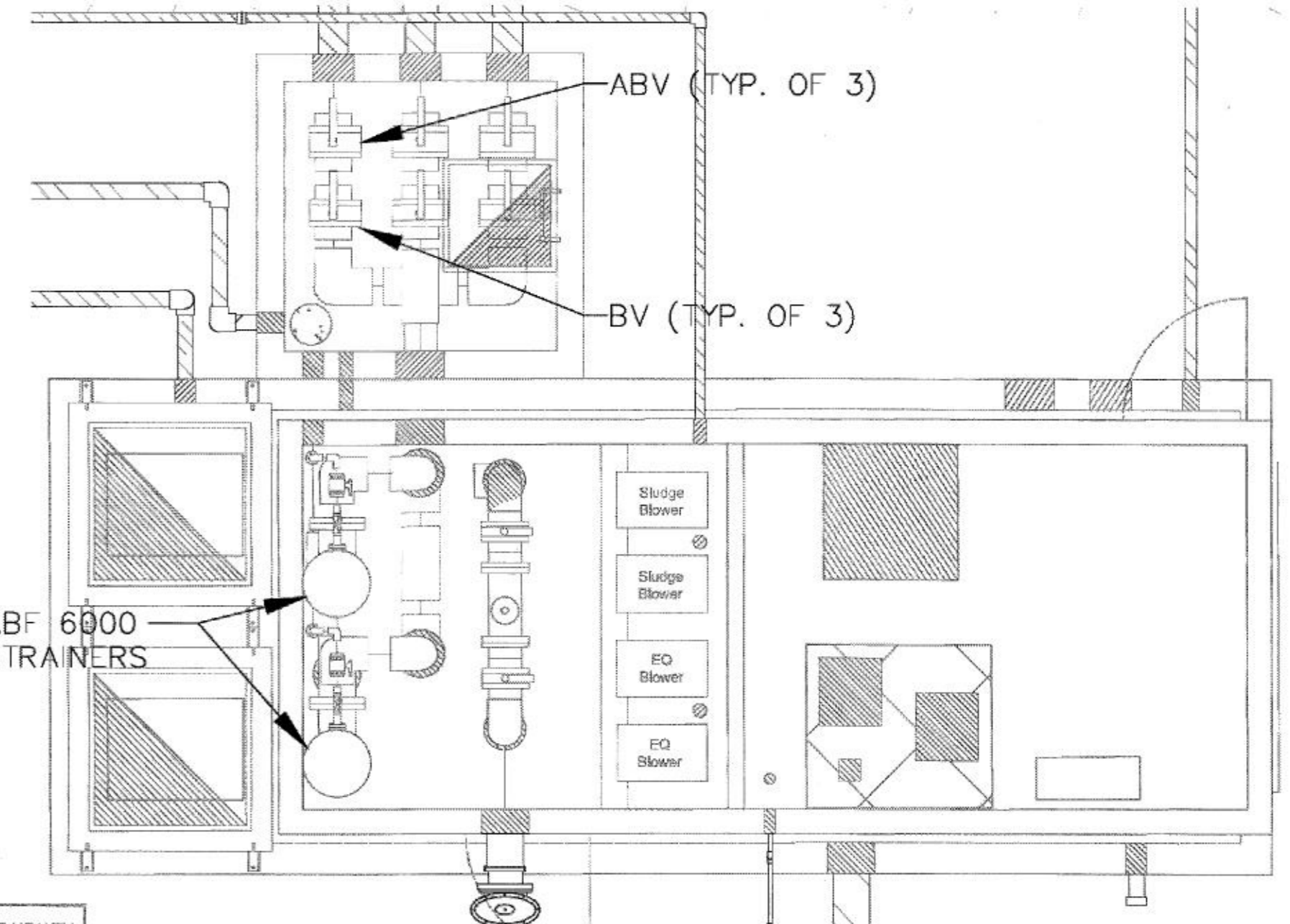
**LEGEND**

- EXISTING
- - - PROPOSED
- ▨ CONCRETE CORE
- ▧ GRAVITY PIPE
- ▩ FORCEMAIN PIPE
- ⋯ AIR PIPE



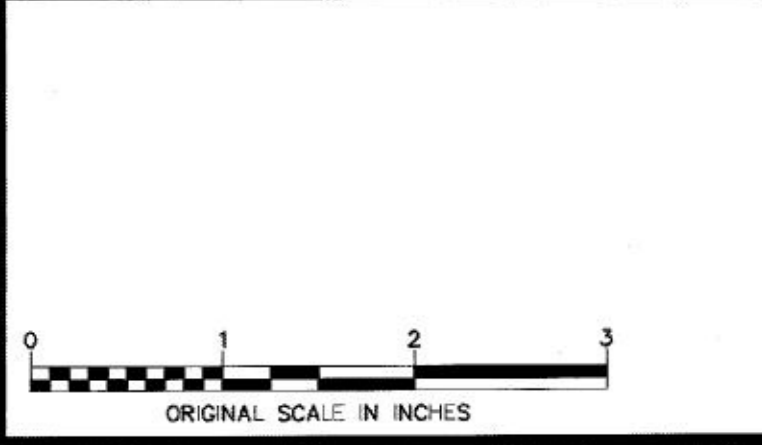
1  
S04  
**WWTP SITE PLAN PROCESS PIPING**  
SCALE: NOT TO SCALE

2  
S04  
**SCREENING BUILDING - FLOOR PLAN**  
SCALE: NOT TO SCALE

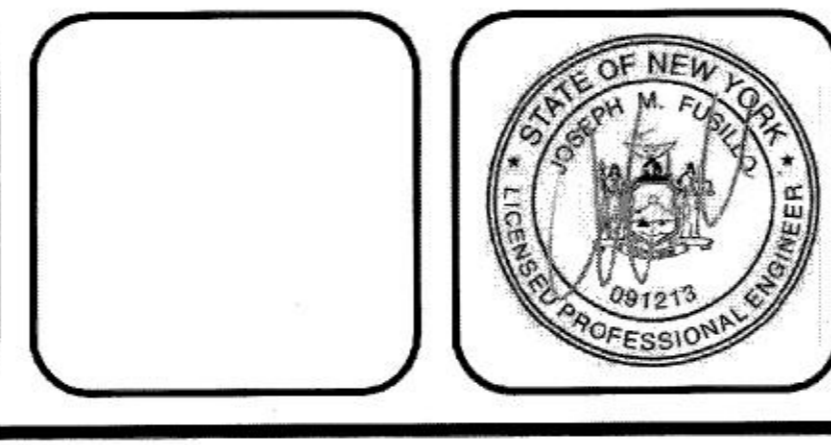


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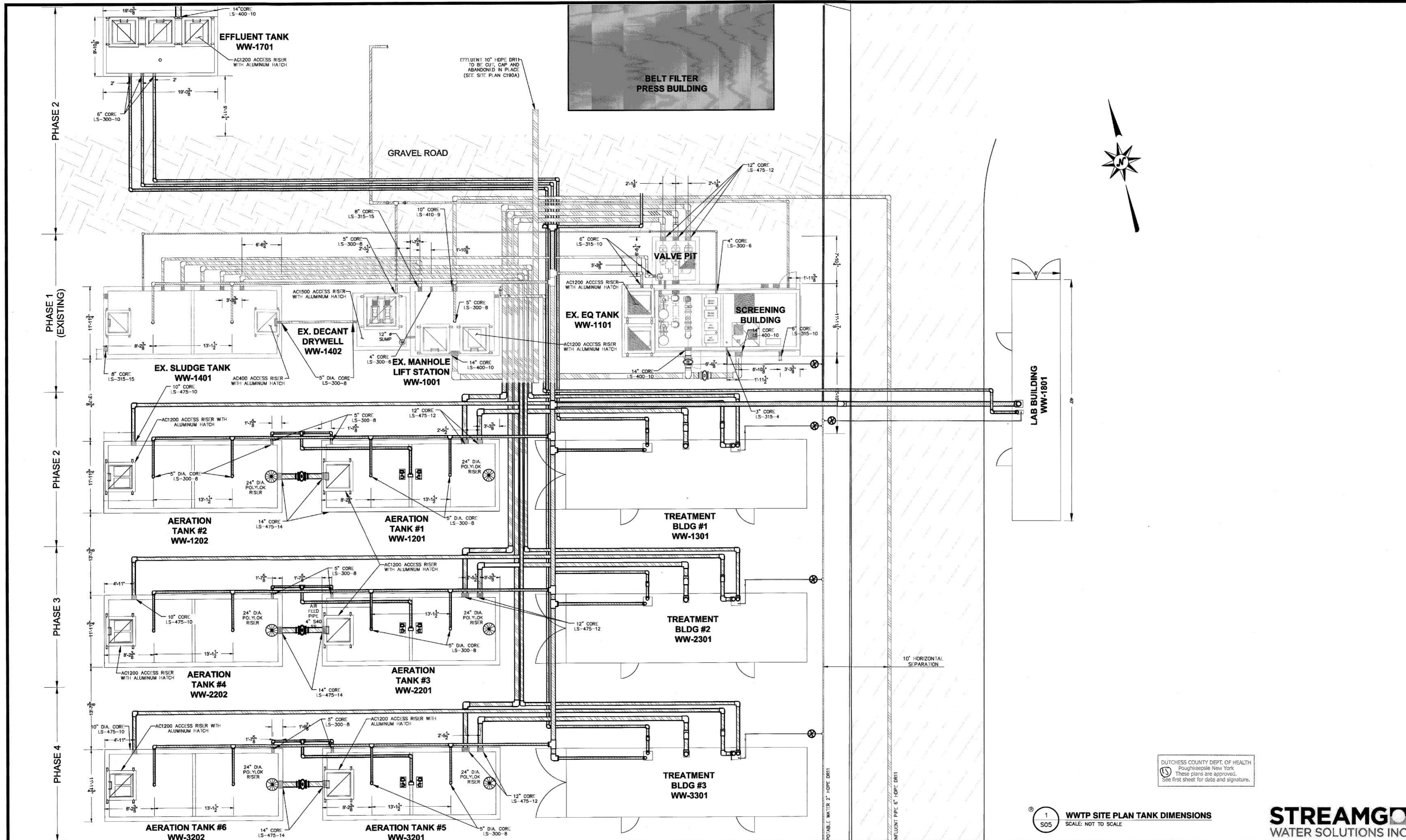


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| 3    | 7/23/21 | REVISED PER CDWA COMMENTS           |
| 2    | 7/2/21  | REVISED PER CDWA AND CDWA COMMENTS  |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS |

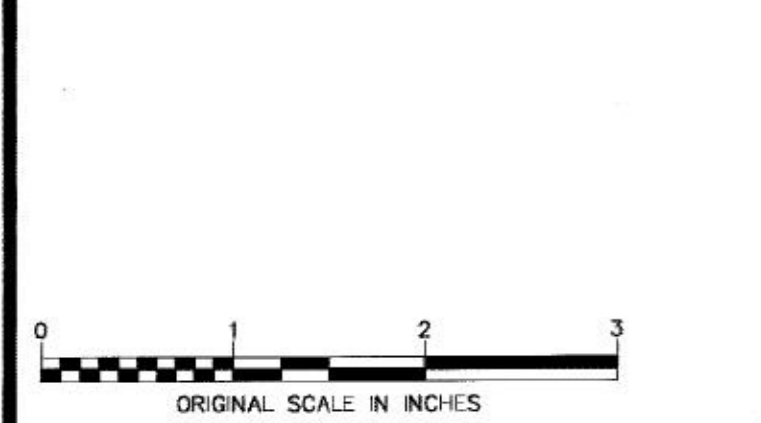
BELLEFIELD AT HISTORIC HYDE PARK  
**WWTP SITE PLAN PROCESS PIPING**  
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed             | checked |
|----------------------|---------|
| TA                   | PB      |
| 3/23/21              | N.T.S.  |
| project no. 81235.09 |         |
| sheet no. S04        |         |

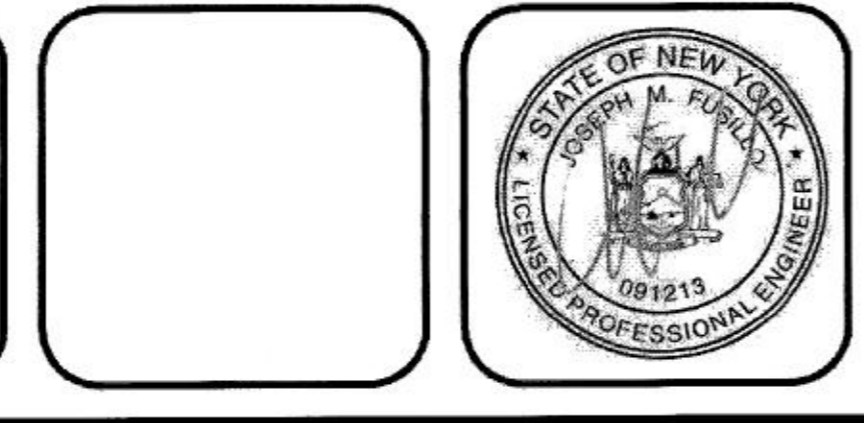


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1 S05 WWTP SITE PLAN TANK DIMENSIONS  
 SCALE: NOT TO SCALE



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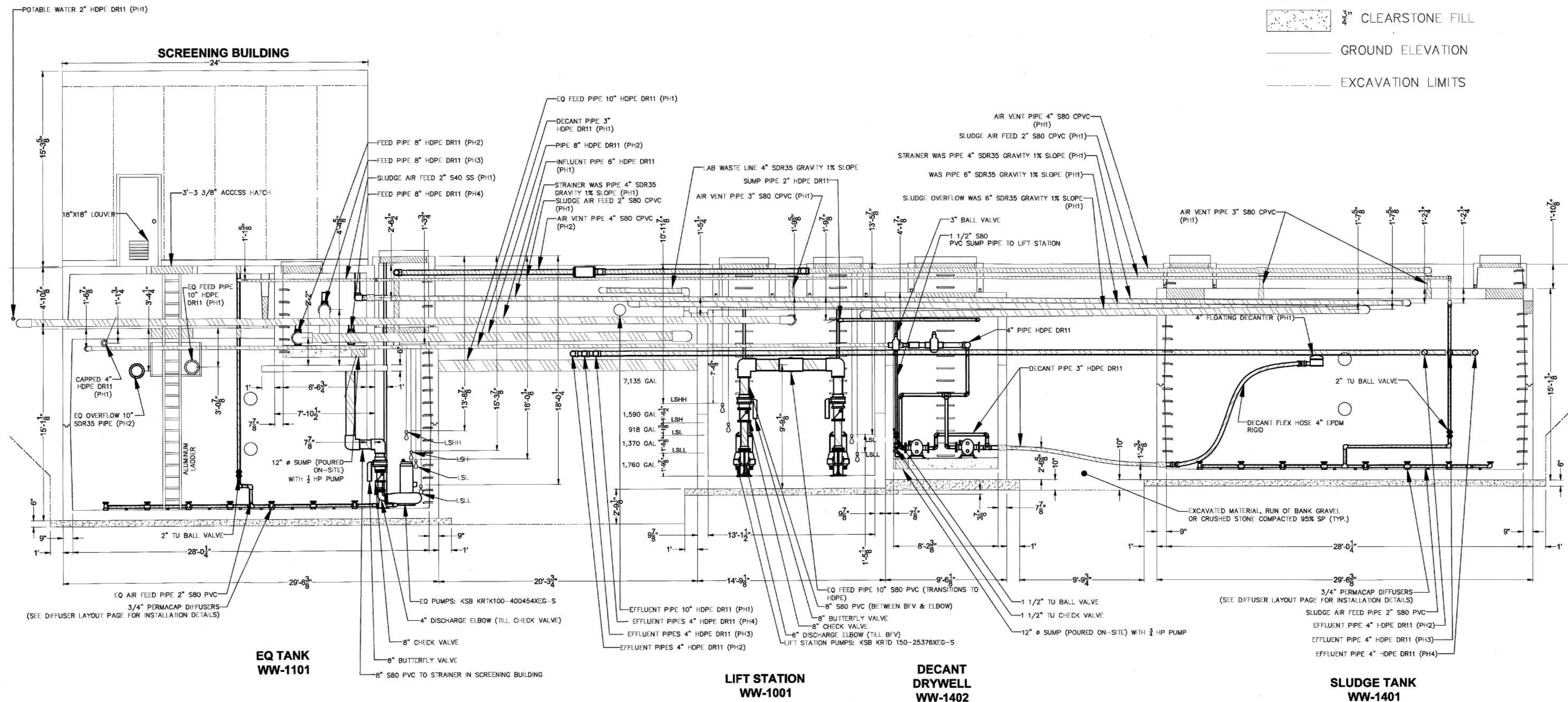
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| 3    | 7/25/21 | REVISED PER DCOWA COMMENTS           |
| 2    | 7/2/21  | REVISED PER DCOWA AND SCWMA COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS  |
|      |         |                                      |

BELLEFIELD AT HISTORIC HYDE PARK  
**WWTP SITE PLAN TANK DIMENSIONS**  
 TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed    | checked |
|-------------|---------|
| date        | scale   |
| project no. | N.T.S.  |
| sheet no.   |         |
| TA          | PB      |
| 3/23/21     | N.T.S.  |
| B1235.09    |         |
| S05         |         |

**LEGEND**

- EXISTING
- PROPOSED
- CONCRETE CORE
- GRAVITY PIPE
- FORCEMAIN PIPE
- AIR PIPE
- 3/4" CLEARSTONE FILL
- GROUND ELEVATION
- EXCAVATION LIMITS



SECTION A-A  
SCALE: NOT TO SCALE

- NOTES:**
- FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5' OF EARTH COVER.
  - ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

DUTCHESS COUNTY DEPT. OF HEALTH  
Poughkeepsie, New York  
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| 2    | 7/2/21  | REVISED PER DODDHI AND DCWA COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS  |

BELLEFIELD AT HISTORIC HYDE PARK

**SECTION A-A**

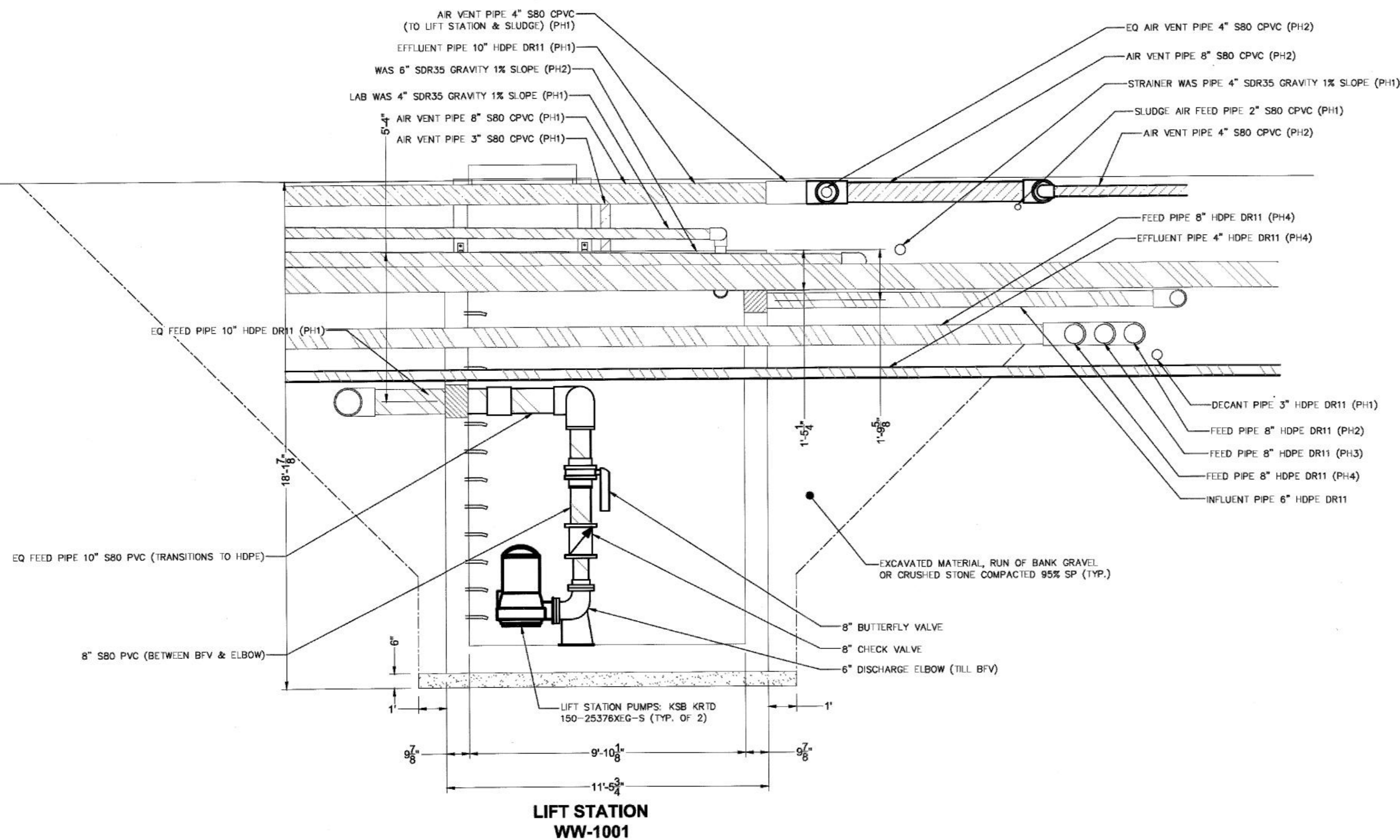
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed             | checked |
|----------------------|---------|
| TA                   | PB      |
| 3/23/21              | N.T.S.  |
| project no. 81235.09 |         |
| sheet no. S06        |         |



**LEGEND**

- EXISTING
- PROPOSED
- CONCRETE CORE
- GRAVITY PIPE
- FORCEMAIN PIPE
- AIR PIPE
- 3/4" CLEARSTONE FILL
- GROUND ELEVATION
- EXCAVATION LIMITS

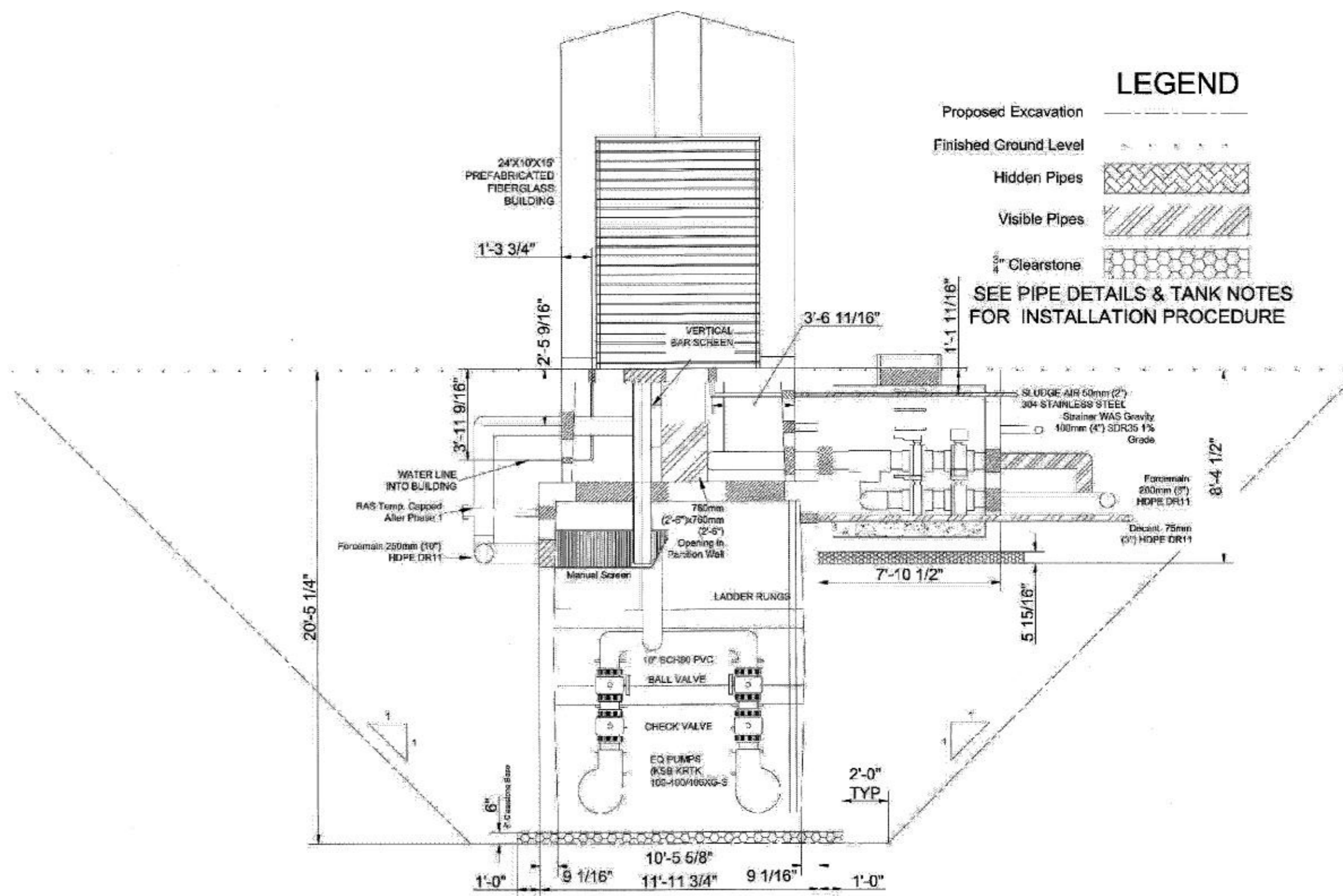


**LIFT STATION  
WW-1001**

**SECTION B-B**  
SCALE: NOT TO SCALE

**NOTES:**

- 1) FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5' OF EARTH COVER.
- 2) ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.



**EQ TANK  
WW-1101**

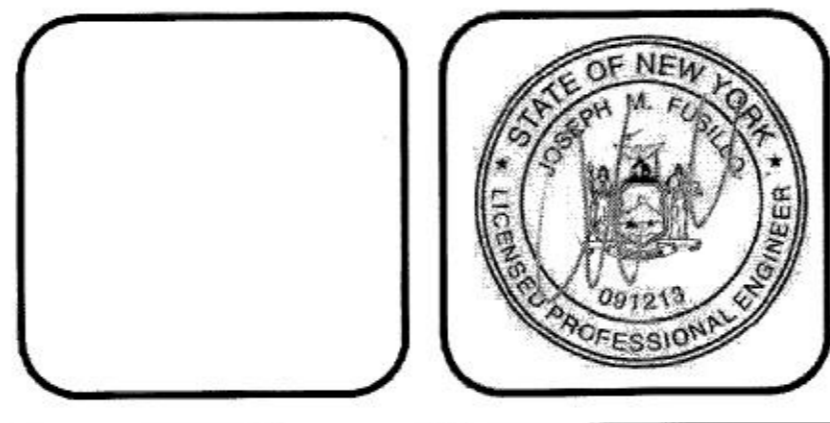
**SECTION B1-B1**  
SCALE: NOT TO SCALE

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| 2    | 7/2/21  | REVISED PER DCD01 AND DCIWA COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS  |

BELLEFIELD AT HISTORIC HYDE PARK

**SECTION B-B**

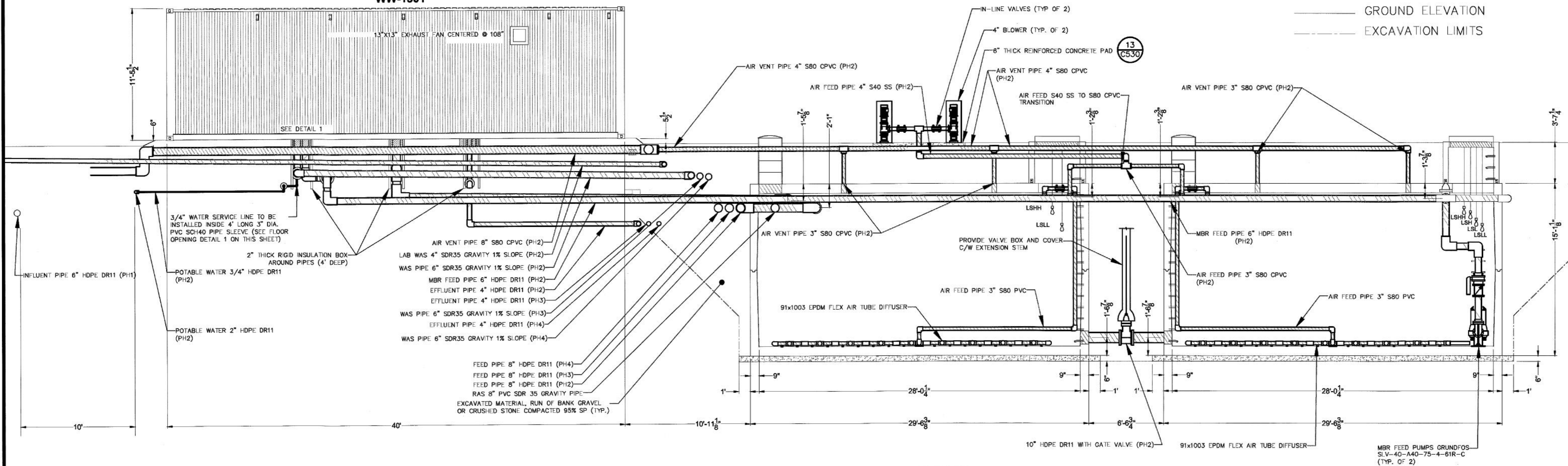
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed             | checked      |
|----------------------|--------------|
| IA                   | PB           |
| date 3/23/21         | scale N.T.S. |
| project no. 81235.09 |              |
| sheet no. <b>S07</b> |              |

**LEGEND**

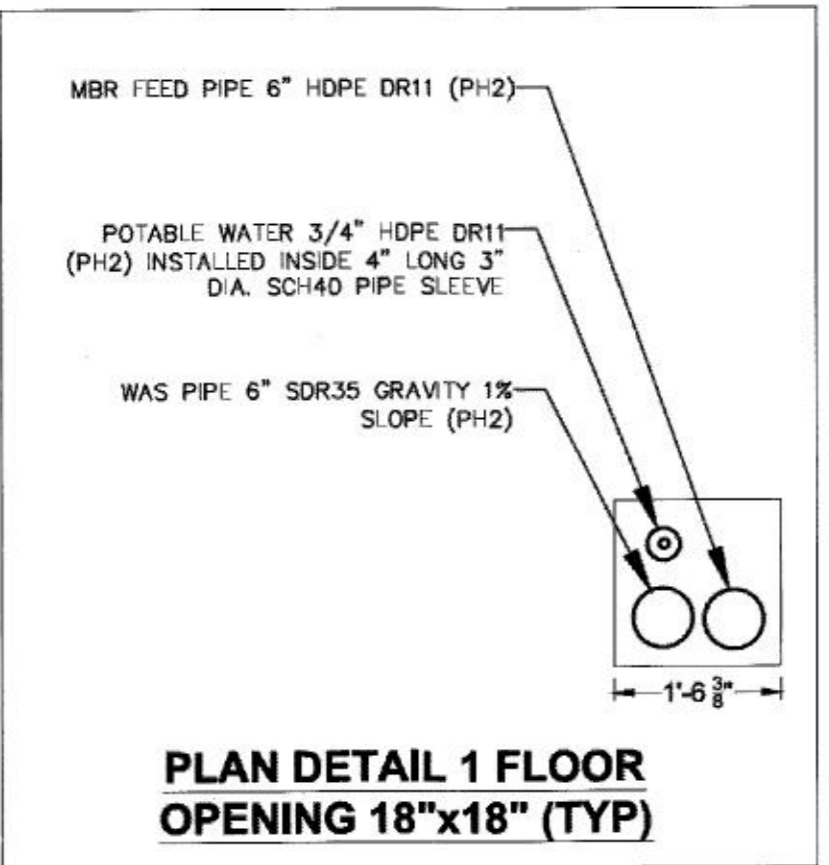
- EXISTING
- PROPOSED
- ▨ CONCRETE CORE
- ▨ GRAVITY PIPE
- ▨ FORCEMAIN PIPE
- ▨ AIR PIPE
- ▨ 3/4" CLEARSTONE FILL
- GROUND ELEVATION
- - - EXCAVATION LIMITS

**TREATMENT BUILDING #1  
WW-1301**



**AERATION TANK #1  
WW-1201**

**AERATION TANK #2  
WW-1202**



1 SECTION C-C  
S08 SCALE: NOT TO SCALE

- NOTES:**
- FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5" OF EARTH COVER.
  - ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

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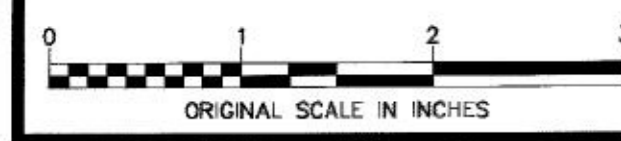
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| 4    | 9/16/21 | REVISED PER DCDH COMMENTS           |
| 3    | 7/23/21 | REVISED PER DOWNA                   |
| 2    | 7/2/21  | REVISED PER DCDH AND DOWNA COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS |

BELLEFIELD AT HISTORIC HYDE PARK





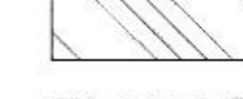
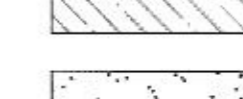
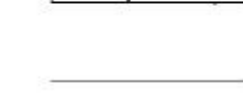


**SECTION C-C**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

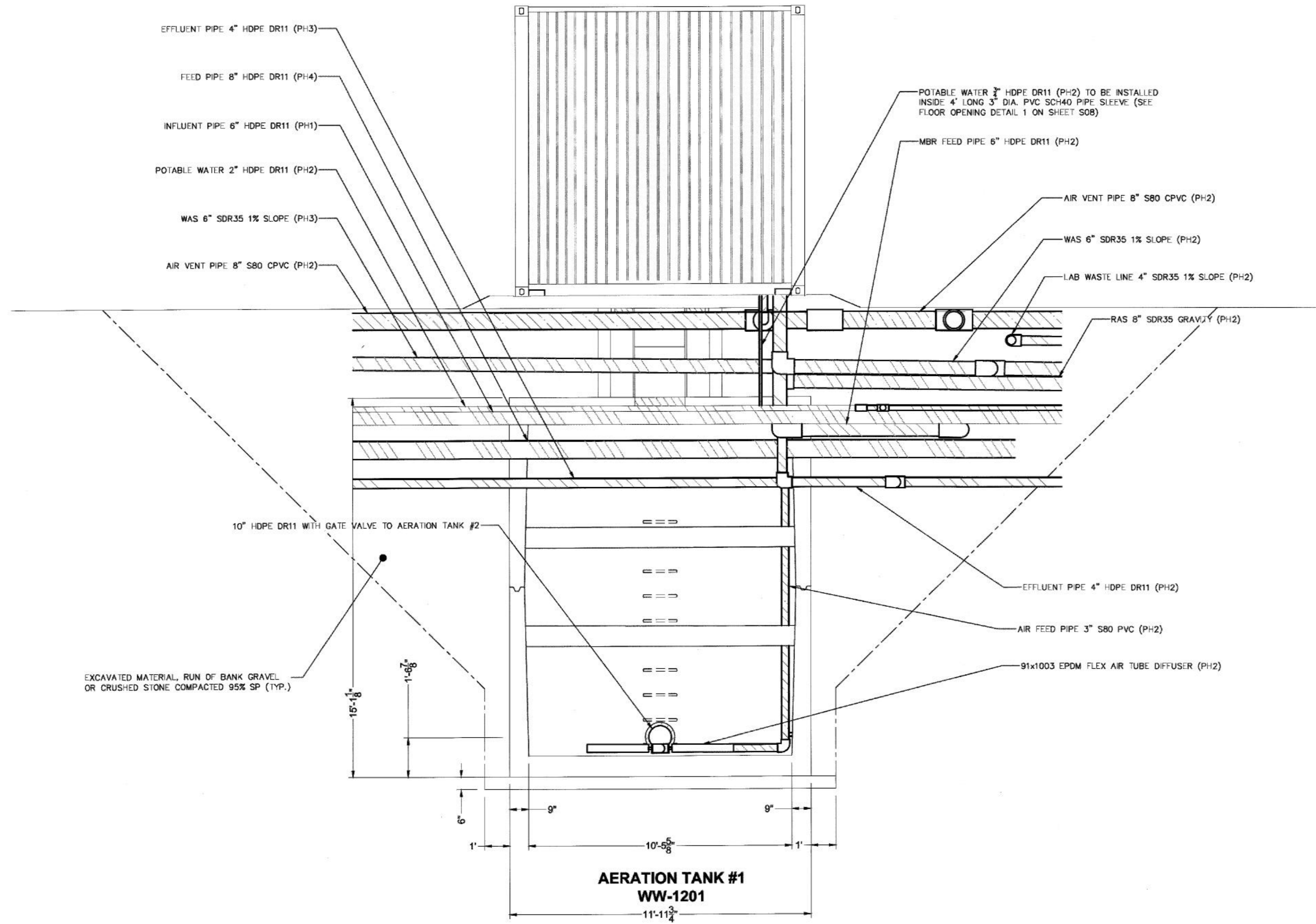
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| TA                   | PB      |
| 3/23/21              | N.T.S.  |
| project no. 81235.09 |         |
| sheet no. S08        |         |



**LEGEND**

-  EXISTING
-  PROPOSED
-  CONCRETE CORE
-  GRAVITY PIPE
-  FORCEMAIN PIPE
-  AIR PIPE
-  3/4" CLEARSTONE FILL
-  GROUND ELEVATION
-  EXCAVATION LIMITS

**TREATMENT BLDG #1  
WW-1301**



**SECTION D-D**  
SCALE: NOT TO SCALE

**NOTES:**

- 1) FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5' OF EARTH COVER.
- 2) ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

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| 3    | 9/10/21 | REVISED PER DCDOH COMMENTS           |
| 2    | 7/2/21  | REVISED PER DCDOH AND DCWWA COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS  |

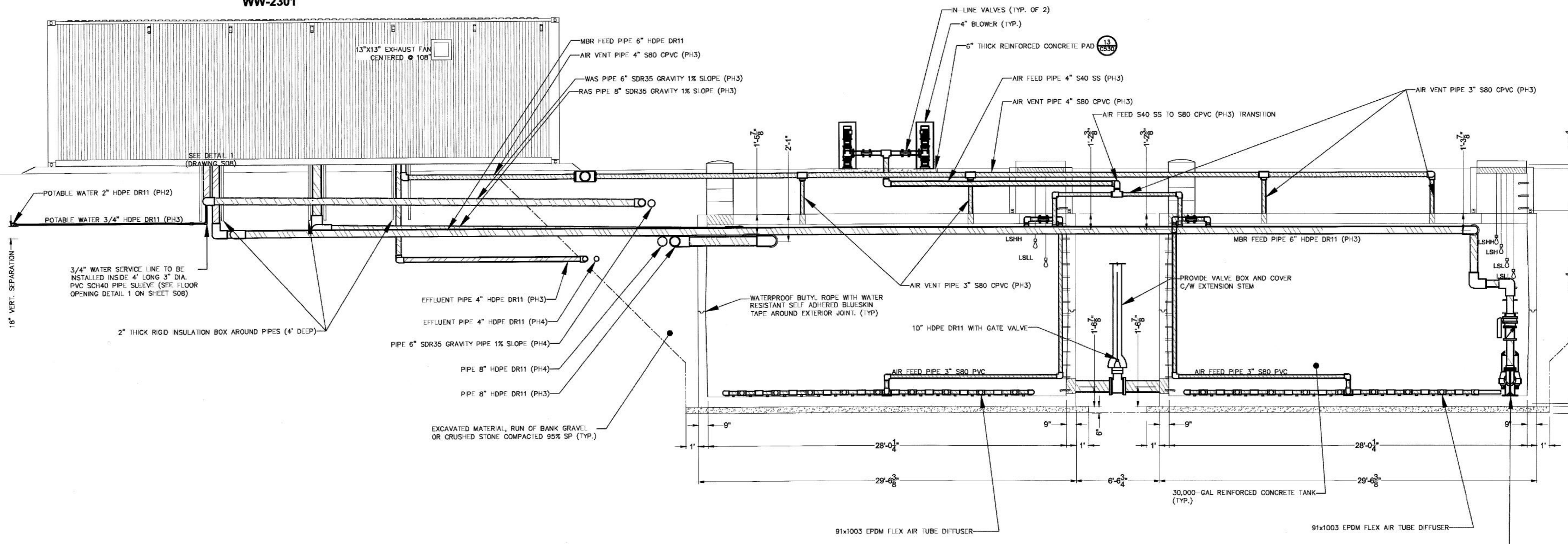
BELLEFIELD AT HISTORIC HYDE PARK  
**SECTION D-D**  
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed    | checked    |
|-------------|------------|
| 1A          | PB         |
| date        | scale      |
| 3/23/21     | N.T.S.     |
| project no. | 81235.09   |
| sheet no.   | <b>S09</b> |



- LEGEND**
- EXISTING
  - PROPOSED
  - ▨ CONCRETE CORE
  - ▨ GRAVITY PIPE
  - ▨ FORCEMAIN PIPE
  - ▨ AIR PIPE
  - ▨ 3/4" CLEARSTONE FILL
  - GROUND ELEVATION
  - - - EXCAVATION LIMITS

**TREATMENT BUILDING #2  
WW-2301**



**AERATION TANK #3  
WW-2201**

**AERATION TANK #4  
WW-2202**

- NOTES:**
- 1) FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5' OF EARTH COVER.
  - 2) ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

1 SECTION E-E  
S10 SCALE: NOT TO SCALE

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- New York City, NY

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Poughkeepsie, New York 12601

| rev. | date    | description                           |
|------|---------|---------------------------------------|
| 4    | 8/10/21 | REVISED PER DCD01 COMMENTS            |
| 3    | 7/23/21 | REVISED PER DCD01 COMMENTS            |
| 2    | 7/2/21  | REVISED PER DCD01 AND DCD01A COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS   |




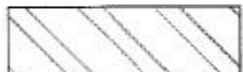
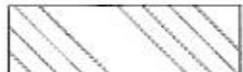
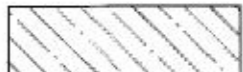
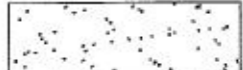


BELLEFIELD AT HISTORIC HYDE PARK

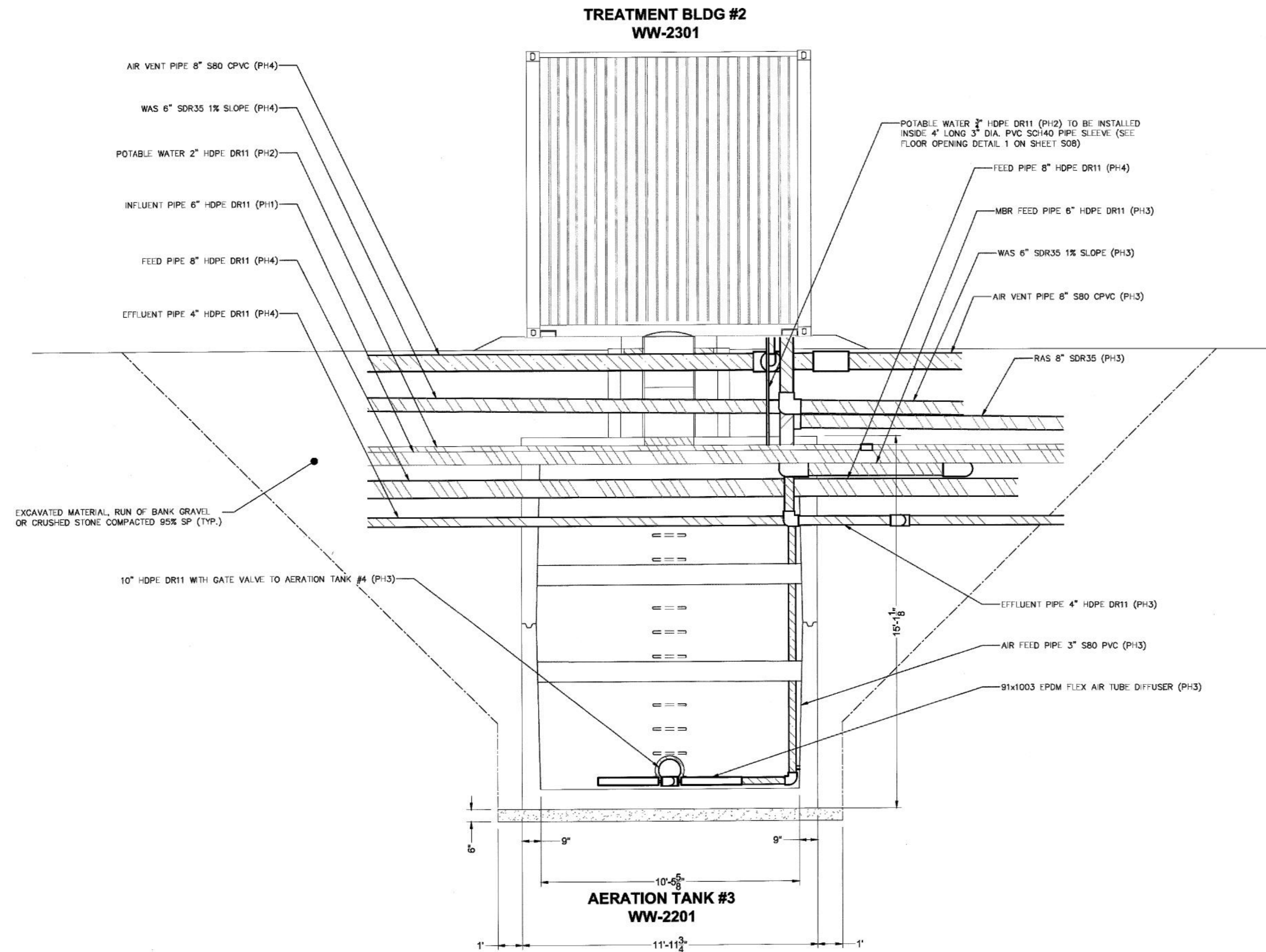
**SECTION E-E**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed    | checked |
|-------------|---------|
| TA          | PB      |
| date        | scale   |
| 3/23/21     | N.T.S.  |
| project no. |         |
| 81235.09    |         |
| sheet no.   |         |
| <b>S10</b>  |         |

**LEGEND**

-  EXISTING
-  PROPOSED
-  CONCRETE CORE
-  GRAVITY PIPE
-  FORCEMAIN PIPE
-  AIR PIPE
-  3/4" CLEARSTONE FILL
-  GROUND ELEVATION
-  EXCAVATION LIMITS



**SECTION F-F**  
SCALE: NOT TO SCALE

- NOTES:**
- FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5' OF EARTH COVER.
  - ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

DUTCHESS COUNTY DEPT. OF HEALTH  
Poughkeepsie, New York  
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| 3    | 9/10/21 | REVISED PER DCD01 COMMENTS           |
| 2    | 7/2/21  | REVISED PER DCD01 AND DCD04 COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS  |

BELLEFIELD AT HISTORIC HYDE PARK

**SECTION F-F**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

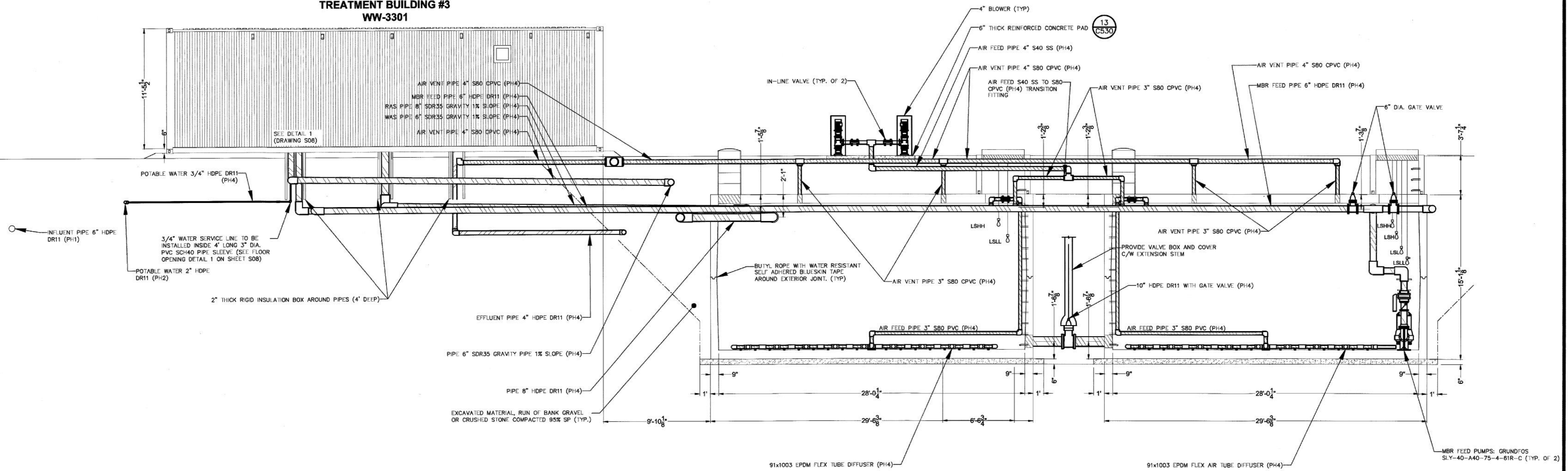
| designed             | checked |
|----------------------|---------|
| TA                   | PB      |
| 3/23/21              | N.T.S.  |
| project no. 81235.09 |         |
| sheet no. <b>S11</b> |         |



**LEGEND**

- EXISTING
- PROPOSED
- ▨ CONCRETE CORE
- ▨ GRAVITY PIPE
- ▨ FORCEMAIN PIPE
- ▨ AIR PIPE
- ▨ 3/4" CLEARSTONE FILL
- GROUND ELEVATION
- - - EXCAVATION LIMITS

**TREATMENT BUILDING #3  
WW-3301**



- NOTES:**
- FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5' OF EARTH COVER.
  - ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

**AERATION TANK #5  
WW-3201**

**AERATION TANK #6  
WW-3202**

**SECTION G-G  
SCALE: NOT TO SCALE**

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| 3    | 7/23/21 | REVISED PER DCWA COMMENTS           |
| 2    | 7/2/21  | REVISED PER DCDH AND DCWA COMMENTS  |
| 1    | 4/18/21 | REVISED PER PLANNING BOARD COMMENTS |


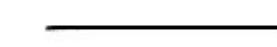


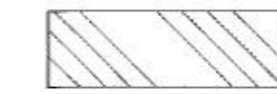




BELLEFIELD AT HISTORIC HYDE PARK

**SECTION G-G**

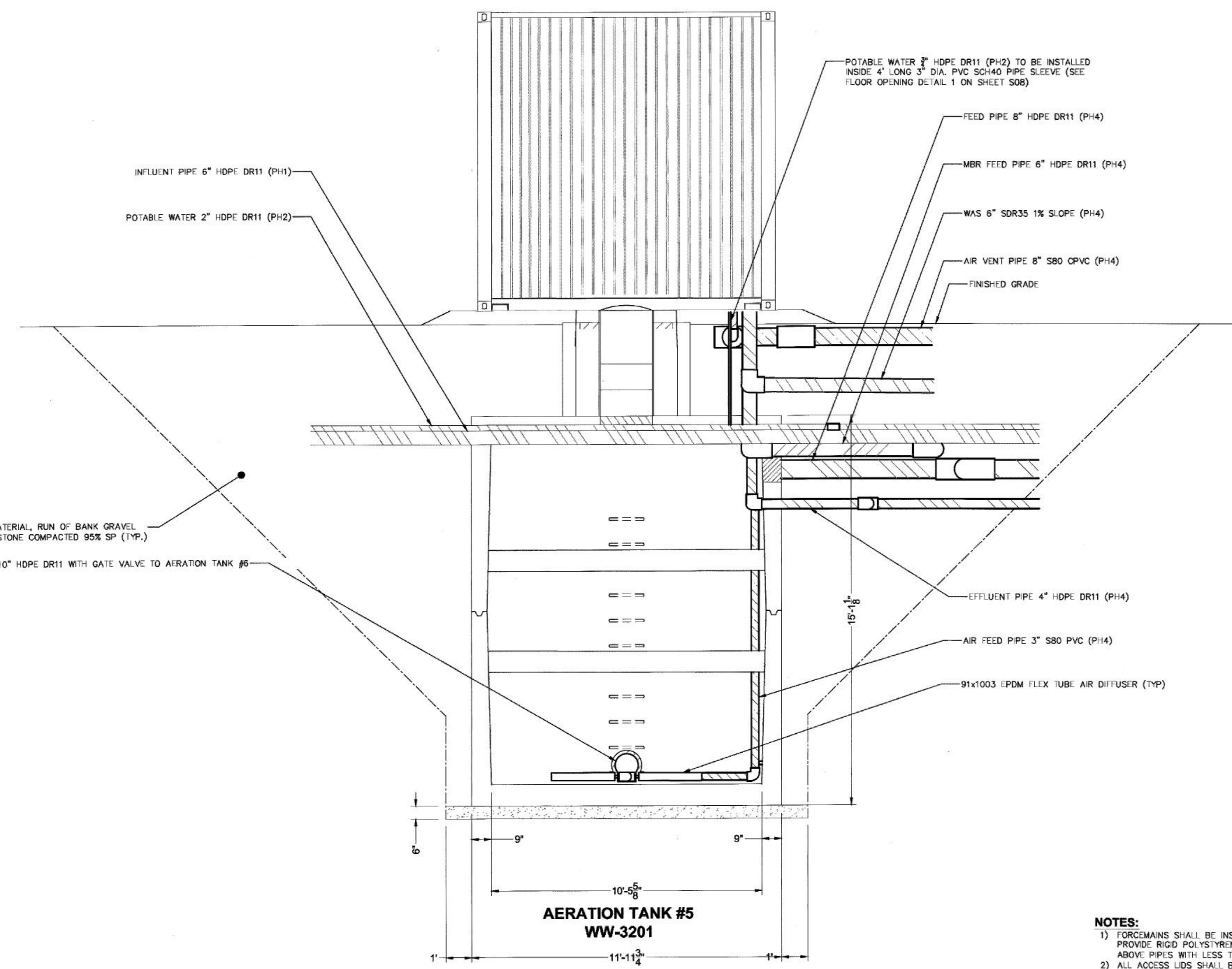
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed    | checked    |
|-------------|------------|
| TA          | PB         |
| 3/23/21     | N.T.S      |
| project no. | 81235.09   |
| sheet no.   | <b>S12</b> |

**LEGEND**

-  EXISTING
-  PROPOSED
-  CONCRETE CORE
-  GRAVITY PIPE
-  FORCEMAIN PIPE
-  AIR PIPE
-  3/4" CLEARSTONE FILL
-  GROUND ELEVATION
-  EXCAVATION LIMITS

**TREATMENT BLDG #3  
WW-3301**



- NOTES:**
- FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5" OF EARTH COVER.
  - ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

**SECTION H-H**  
SCALE: NOT TO SCALE

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Poughkeepsie New York  
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| 3    | 9/10/21 | REVISED PER DODD'S COMMENTS           |
| 2    | 7/2/21  | REVISED PER DODD'S AND DCOWA COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS   |

BELLEFIELD AT HISTORIC HYDE PARK


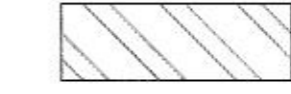
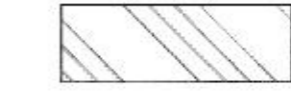

**SECTION H-H**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

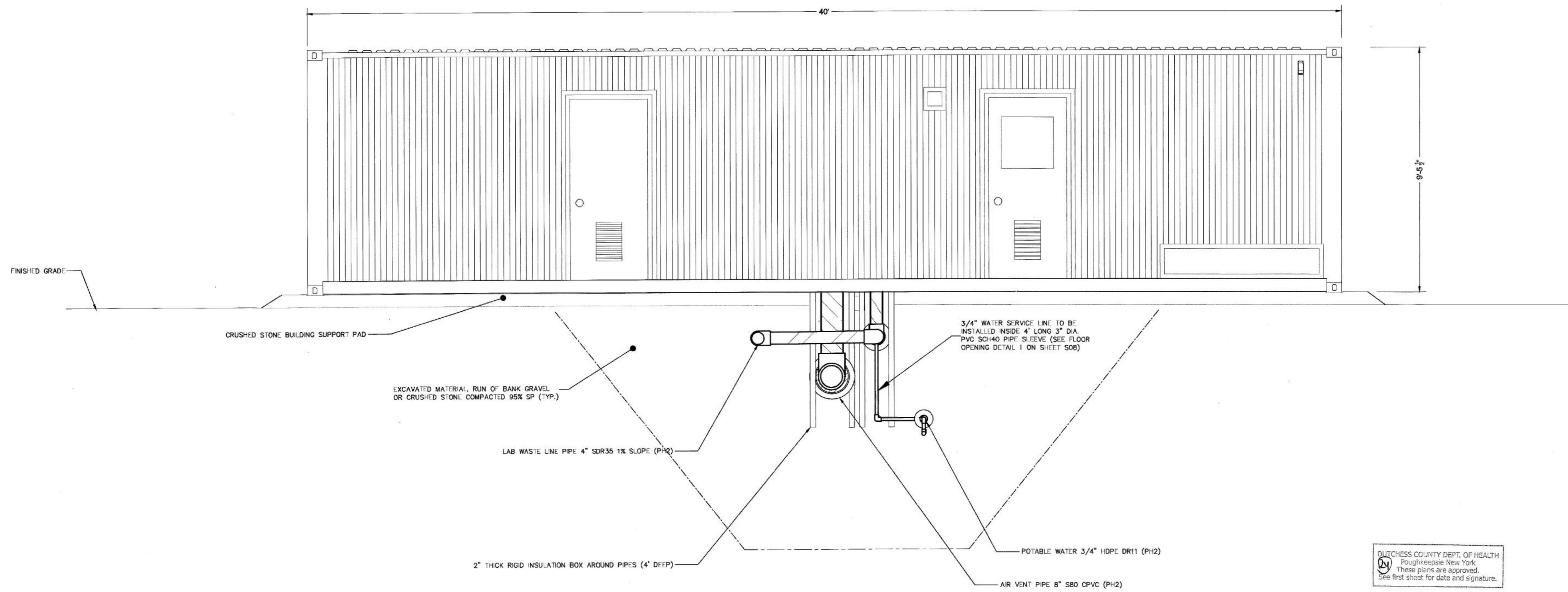
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| TA          | PB      |
| date        | scale   |
| 3/23/21     | N.T.S.  |
| project no. |         |
| 81235.09    |         |
| sheet no.   |         |
| <b>S13</b>  |         |



**LEGEND**

- EXISTING
- PROPOSED
-  CONCRETE CORE
-  GRAVITY PIPE
-  FORCEMAIN PIPE
-  AIR PIPE
- GROUND ELEVATION
- EXCAVATION LIMITS

**LAB BUILDING  
WW-1801**



**SECTION I-I**  
SCALE: NOT TO SCALE

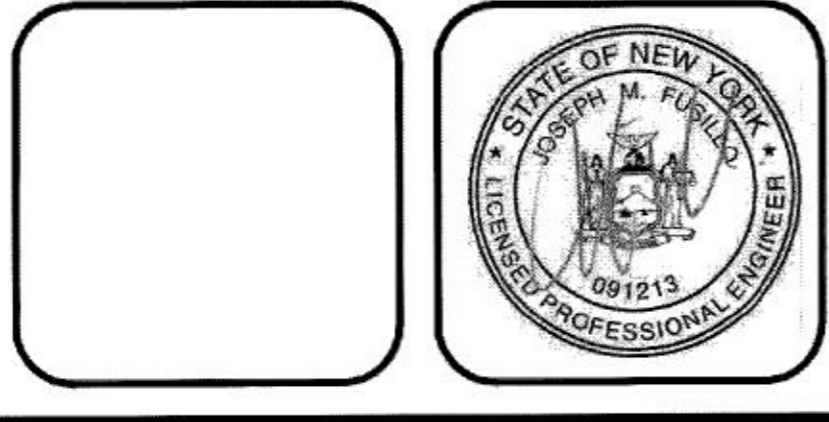
- NOTES:**
- FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 4" OF EARTH COVER.
  - ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

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| 3    | 9/16/21 | REVISED PER DCOH COMMENTS           |
| 2    | 7/2/21  | REVISED PER DCOH AND DCWA COMMENTS  |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS |

BELLEFIELD AT HISTORIC HYDE PARK







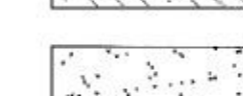


**SECTION I-I**

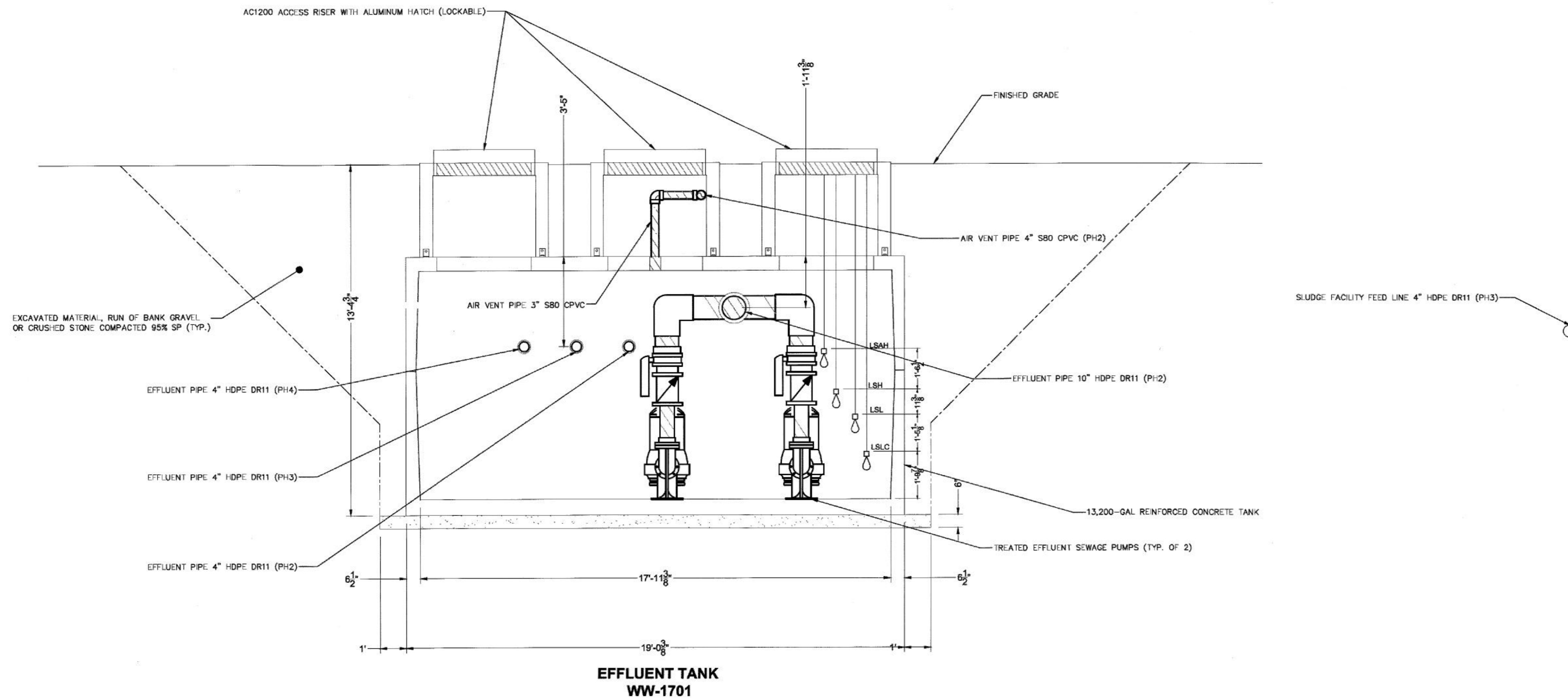
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

|             |         |
|-------------|---------|
| designed    | checked |
| TA          | PB      |
| dte         | scale   |
| 3/23/21     | N.T.S.  |
| project no. |         |
| 81235.09    |         |
| sheet no.   |         |
| <b>S14</b>  |         |



**LEGEND**

-  EXISTING
-  PROPOSED
-  CONCRETE CORE
-  GRAVITY PIPE
-  FORCEMAIN PIPE
-  AIR PIPE
-  3/4" CLEARSTONE FILL
-  GROUND ELEVATION
-  EXCAVATION LIMITS



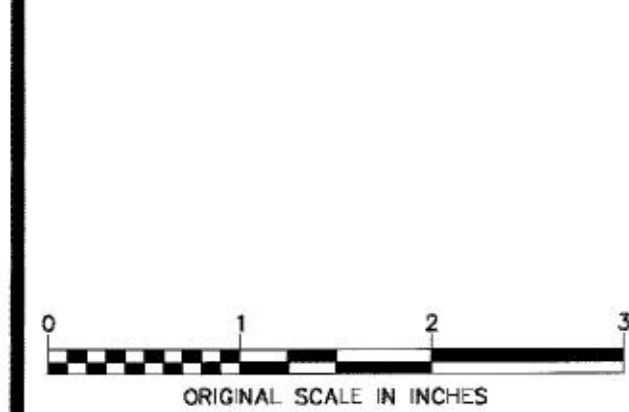
**SECTION J-J**  
SCALE: NOT TO SCALE

**NOTES:**

- 1) FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5' OF EARTH COVER.
- 2) ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

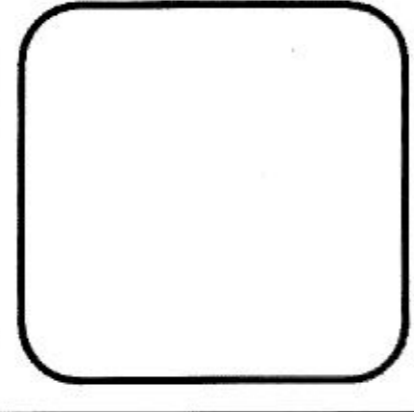
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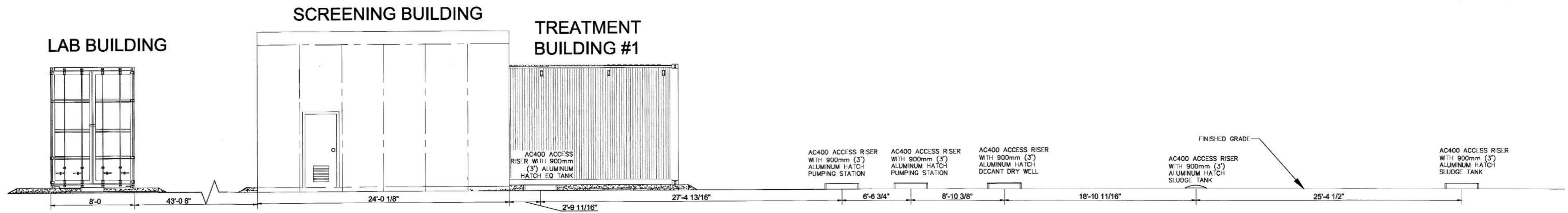
| rev. | date    | description                          |
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| 4    | 9/10/21 | REVISED PER DCDOH COMMENTS           |
| 3    | 7/23/21 | REVISED PER DCOWA COMMENTS           |
| 2    | 7/2/21  | REVISED PER DCDOH AND DCOWA COMMENTS |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS  |

BELLEFIELD AT HISTORIC HYDE PARK

**SECTION J-J**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed                | checked |
|-------------------------|---------|
| TA                      | PB      |
| 3/23/21                 | N.T.S.  |
| project no.<br>81235.09 |         |
| sheet no.<br><b>S15</b> |         |



**NOTE:**  
 1) ALL UNDERGROUND TANKS SHALL BE PROVIDED WITH LOCKABLE ACCESS LIDS

1  
 S16 **WWTP - NORTH ELEVATION**  
 SCALE: NOT TO SCALE

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| rev. | date    | description                          |
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| 2    | 7/2/21  | REVISED PER DCCDH AND DCWMA COMMENTS |
| 1    | 4/14/21 | REVISED PER PLANNING BOARD COMMENTS  |

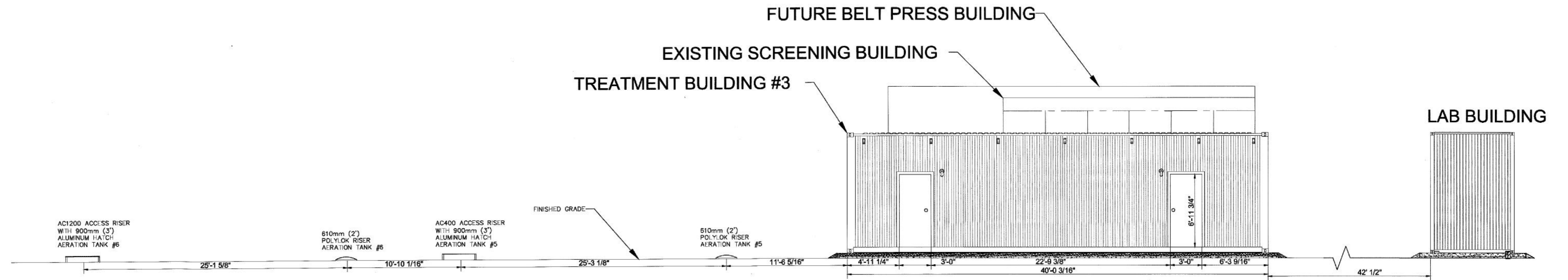
BELLEFIELD AT HISTORIC HYDE PARK

**WWTP NORTH ELEVATION**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed    | checked |
|-------------|---------|
| TA          | PB      |
| date        | scale   |
| 3/23/21     | N.T.S.  |
| project no. |         |
| 81235.09    |         |
| sheet no.   |         |
| <b>S16</b>  |         |





1 WWTP - SOUTH ELEVATION  
S17 SCALE: NOT TO SCALE

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| 1    | 4/16/21 | REVISED PER PLANNING BOARD COMMENTS |

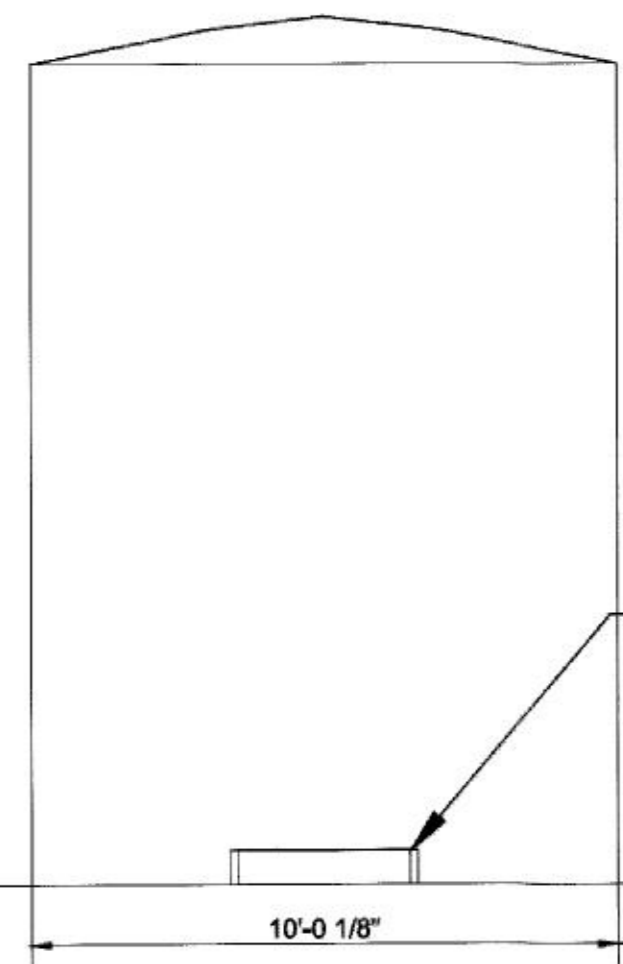
BELLEFIELD AT HISTORIC HYDE PARK

**WWTP SOUTH ELEVATION**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

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|-------------|------------|
| TA          | PB         |
| 3/23/21     | N.T.S      |
| project no. | 81235.09   |
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SCREENING BUILDING

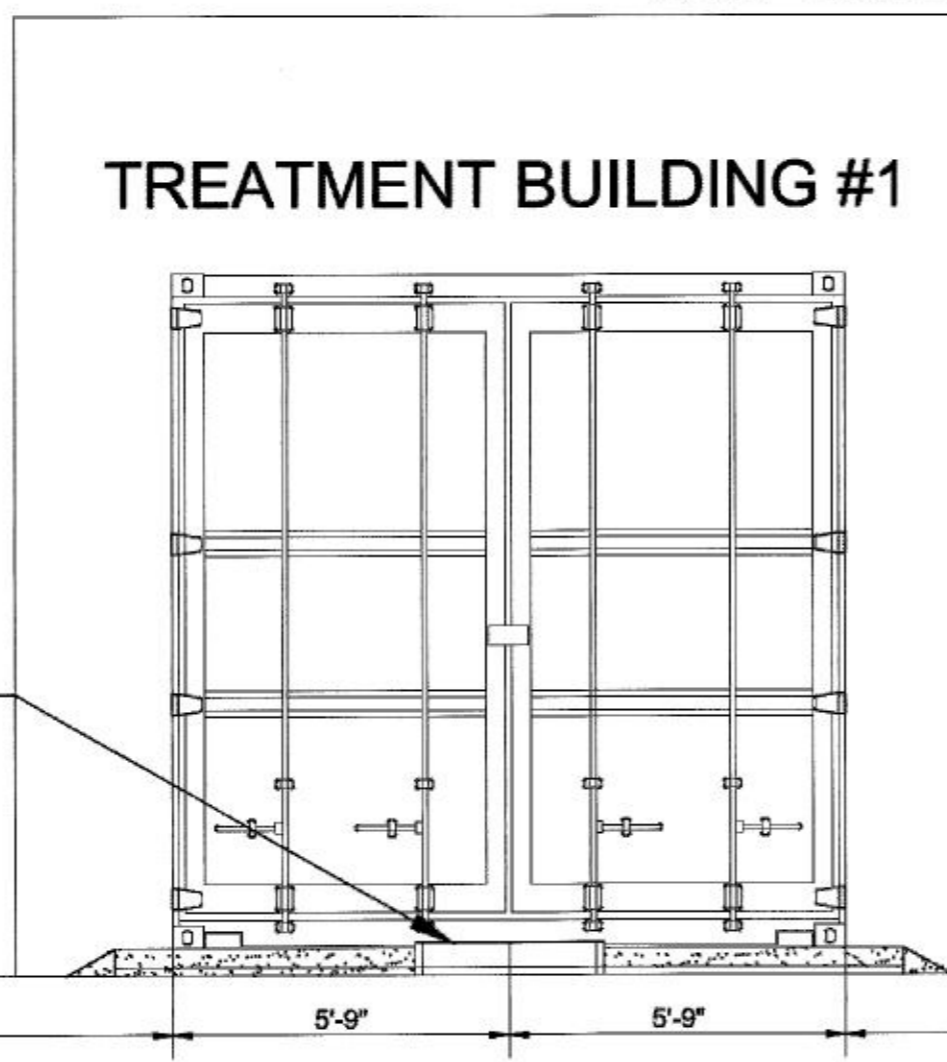


AC400 ACCESS RISER WITH 900mm (3') ALUMINUM HATCH SLUDGE TANK #1

10'-0 1/8"

LAB BUILDING

TREATMENT BUILDING #1

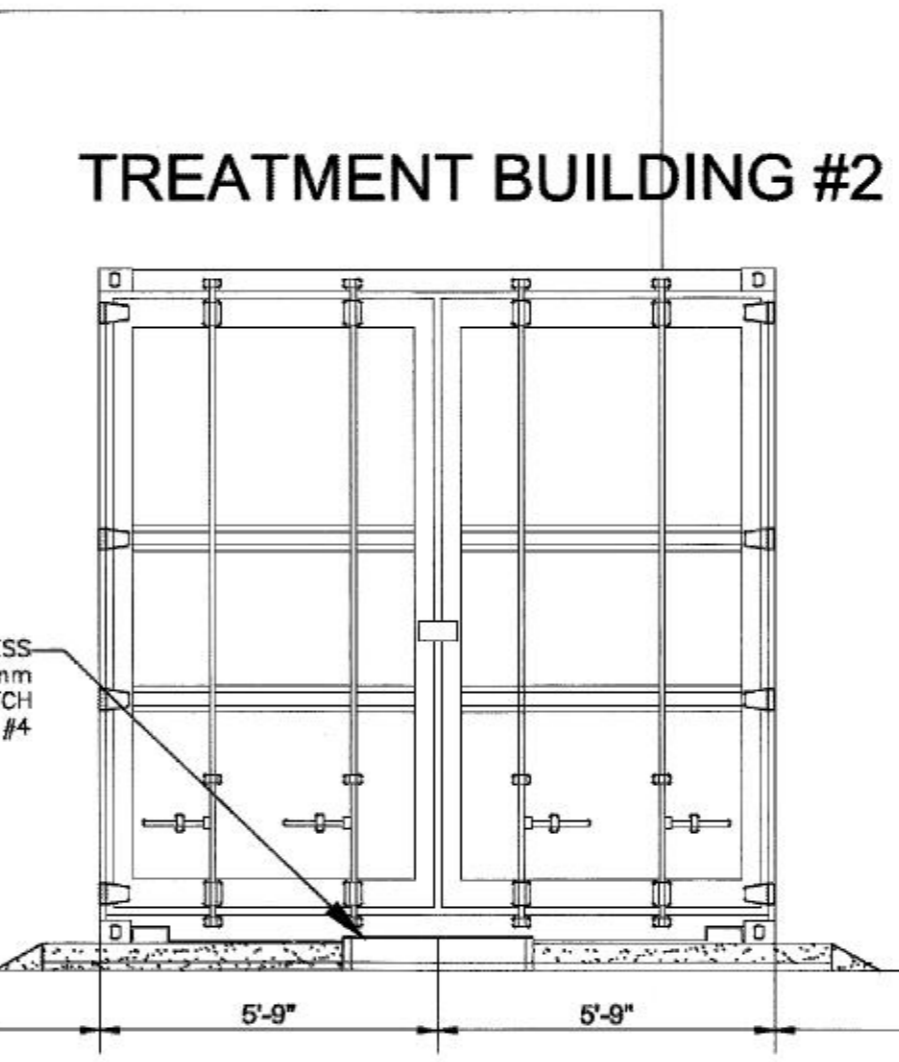


AC1200 ACCESS RISER WITH 1200mm ALUMINUM HATCH AERATION TANK #2

14'-10 1/16"

FINISHED GRADE

TREATMENT BUILDING #2



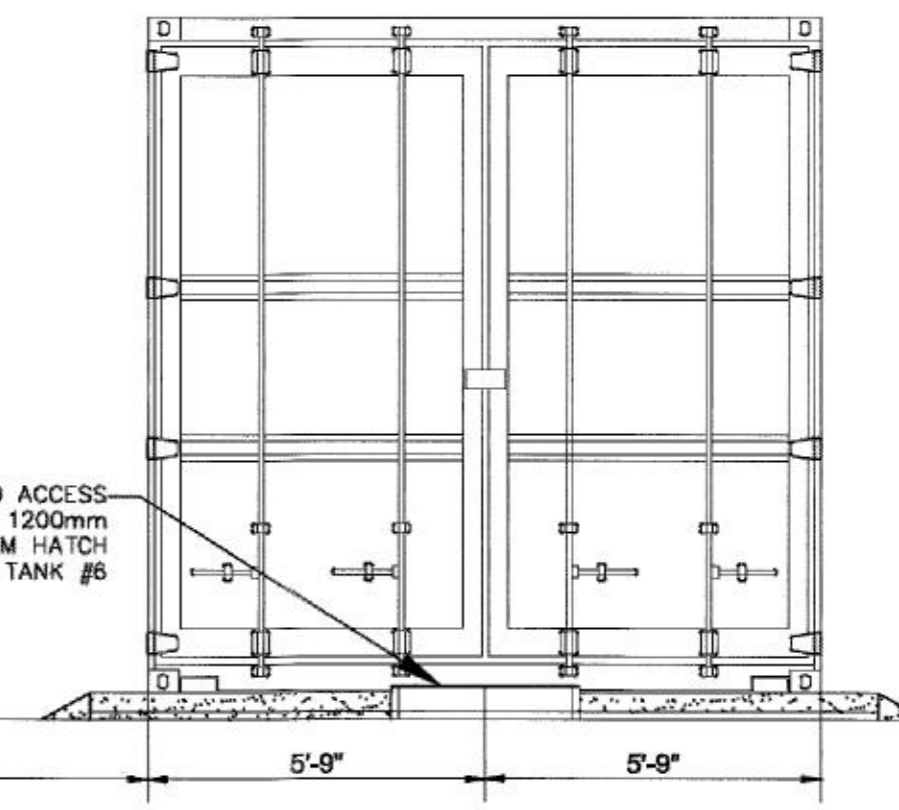
AC1200 ACCESS RISER WITH 1200mm ALUMINUM HATCH AERATION TANK #4

5'-9"

5'-9"

14'-1"

TREATMENT BUILDING #3



AC1200 ACCESS RISER WITH 1200mm ALUMINUM HATCH AERATION TANK #6

5'-9"

5'-9"

1 WWTP - WEST ELEVATION  
S18 SCALE: NOT TO SCALE

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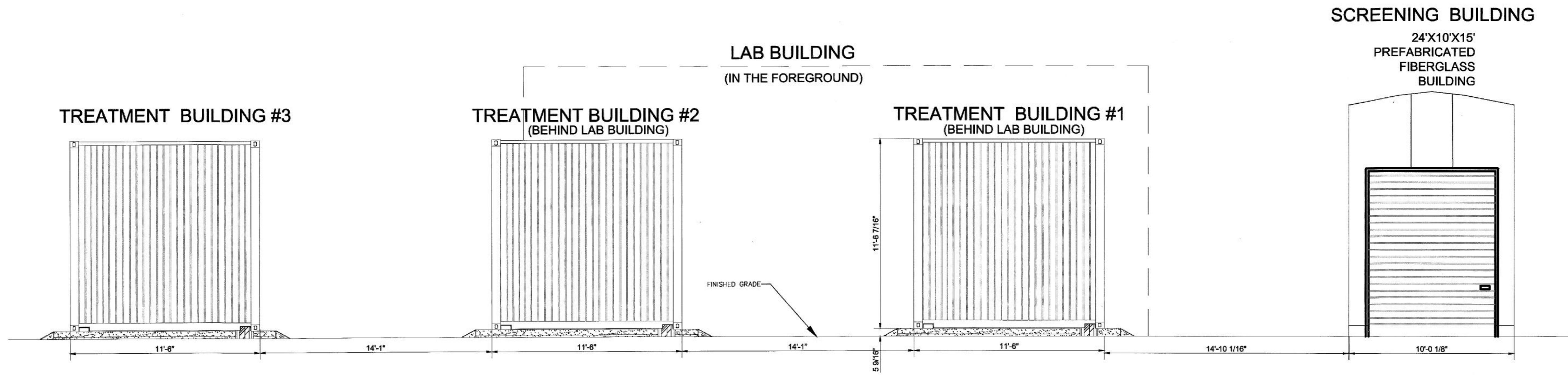
BELLEFIELD AT HISTORIC HYDE PARK

**WWTP WEST ELEVATION**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

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| project no. | 81235.09   |
| sheet no.   | <b>S18</b> |

**NOTE:**  
1) LAB BUILDING NOT SHOWN FOR CLARITY PURPOSES



1  
S19 **WWTP - EAST ELEVATION**  
SCALE: NOT TO SCALE

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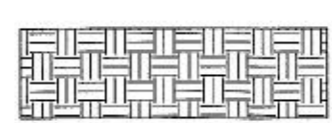
BELLEFIELD AT HISTORIC HYDE PARK

**WWTP EAST ELEVATION**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

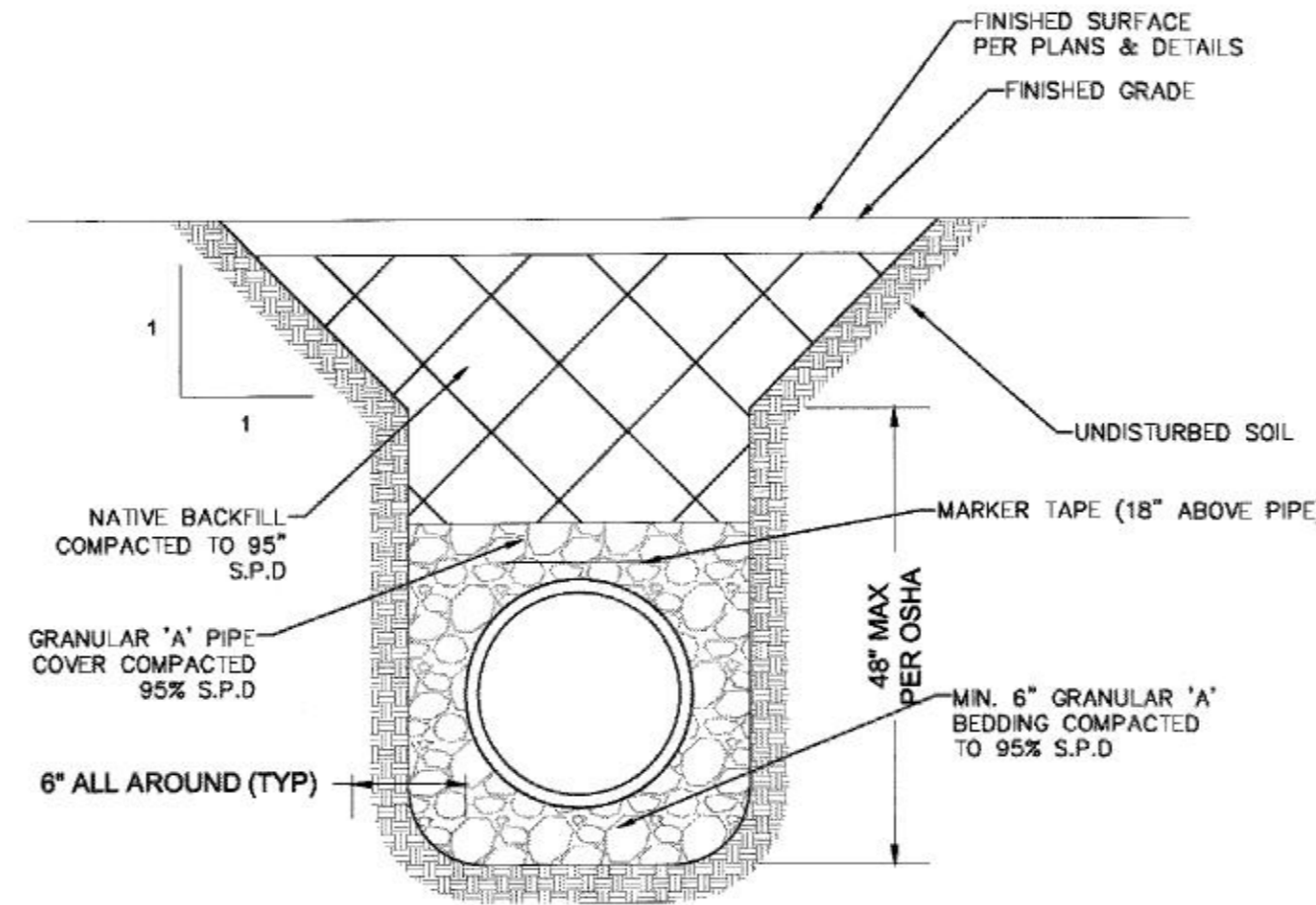
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| 812.35.09   |         |
| sheet no.   |         |
| <b>S19</b>  |         |

**LEGEND**

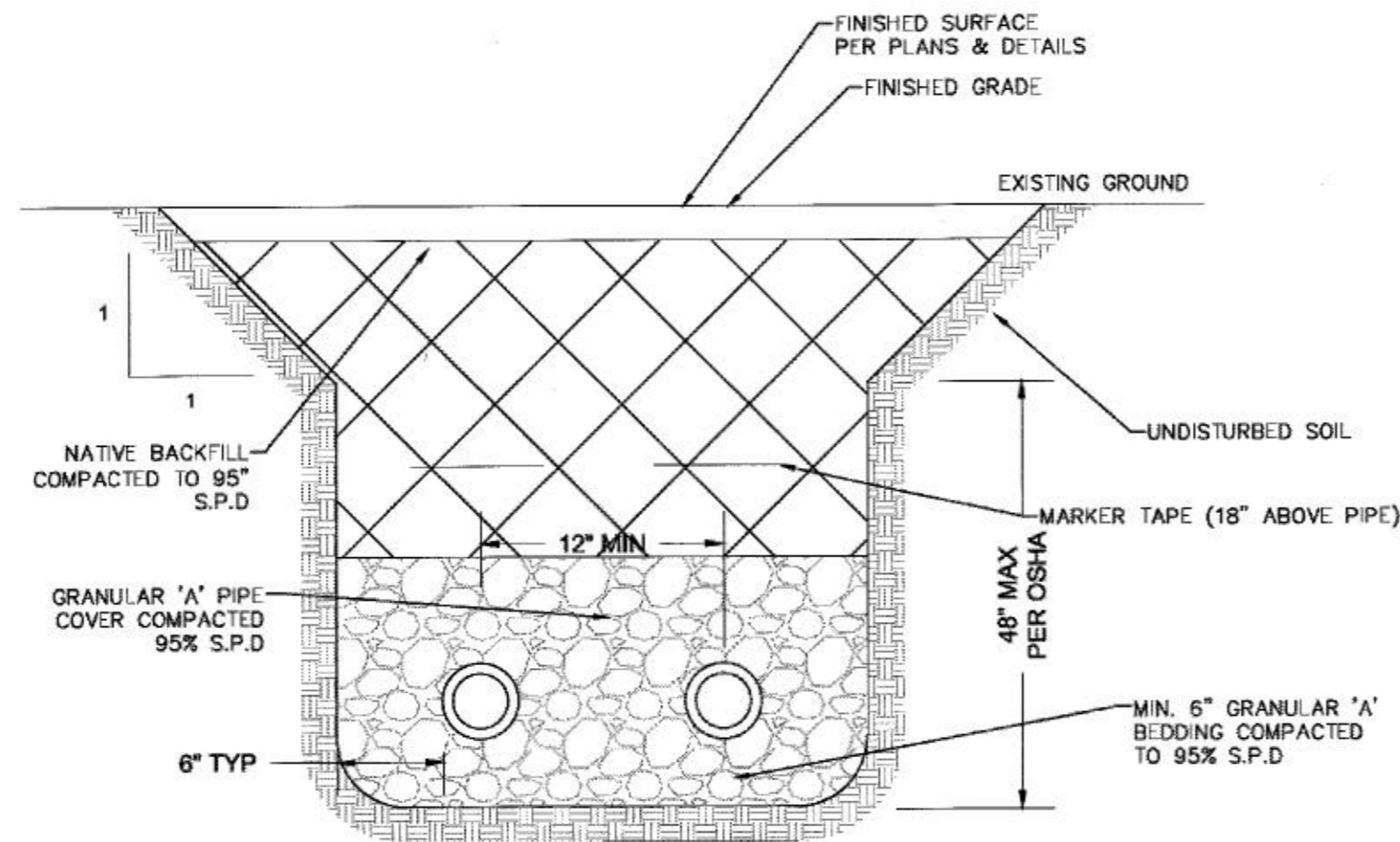
-  NATIVE SOIL
-  GRANULAR 'A' (3/4" CRUSHED STONE)
-  EXISTING GROUND

ALL FORCEMAIN TRENCHES MUST BE 4' DEEP MIN.

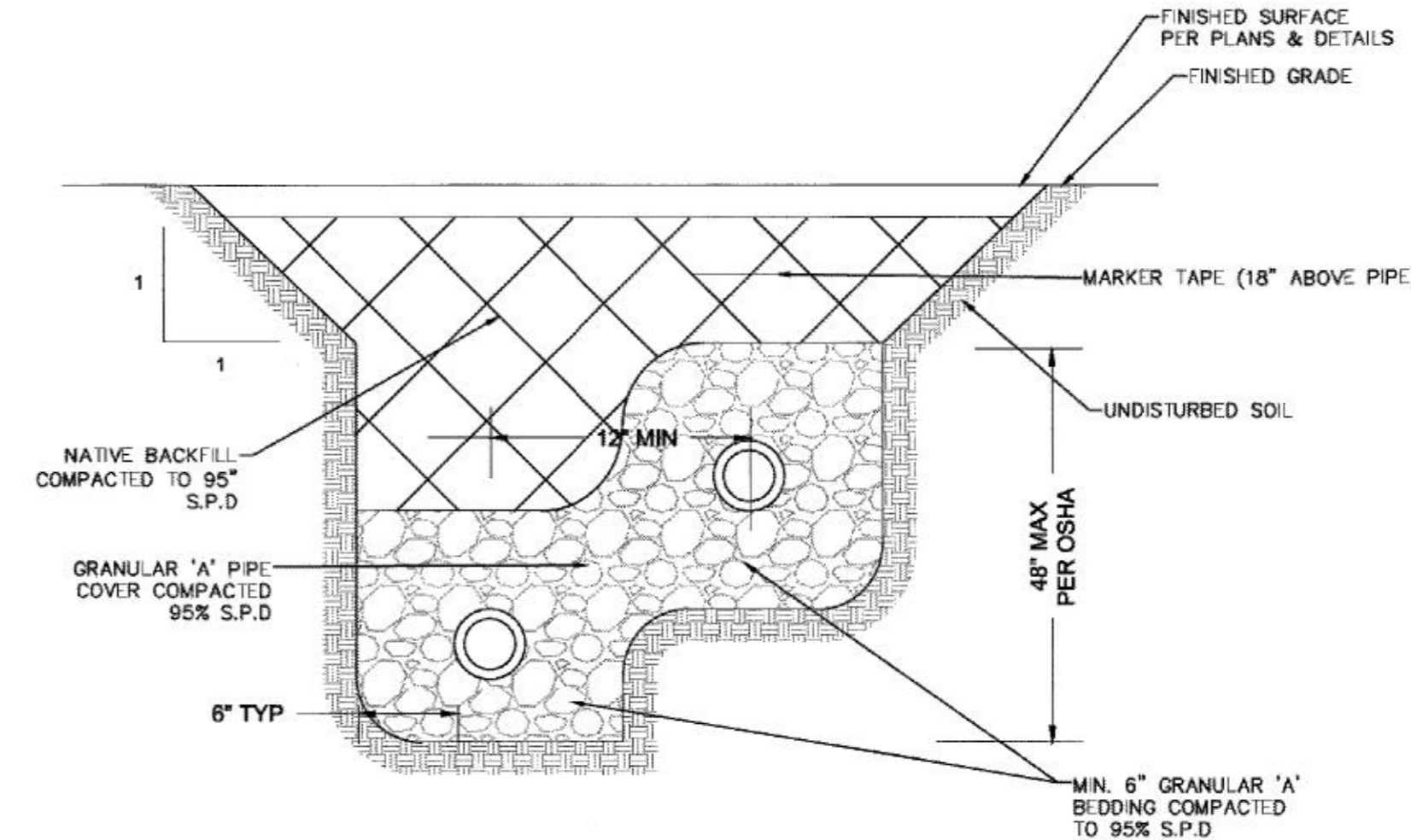
ALL DUAL TRENCHES MUST HAVE MIN. 12" SEPARATION CENTER/CENTER BETWEEN PIPES



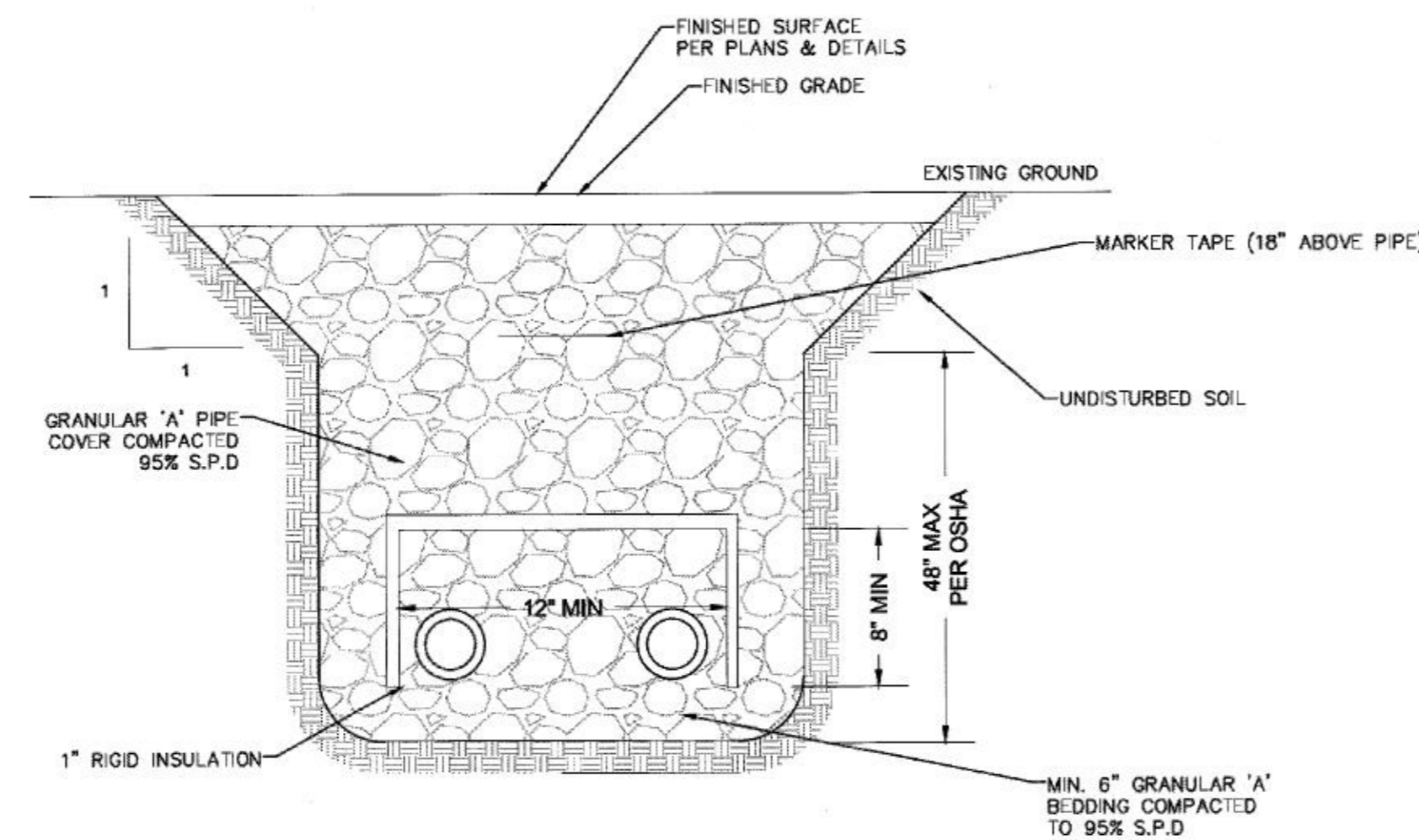
**SINGLE TRENCH (HDPE & PVC)**



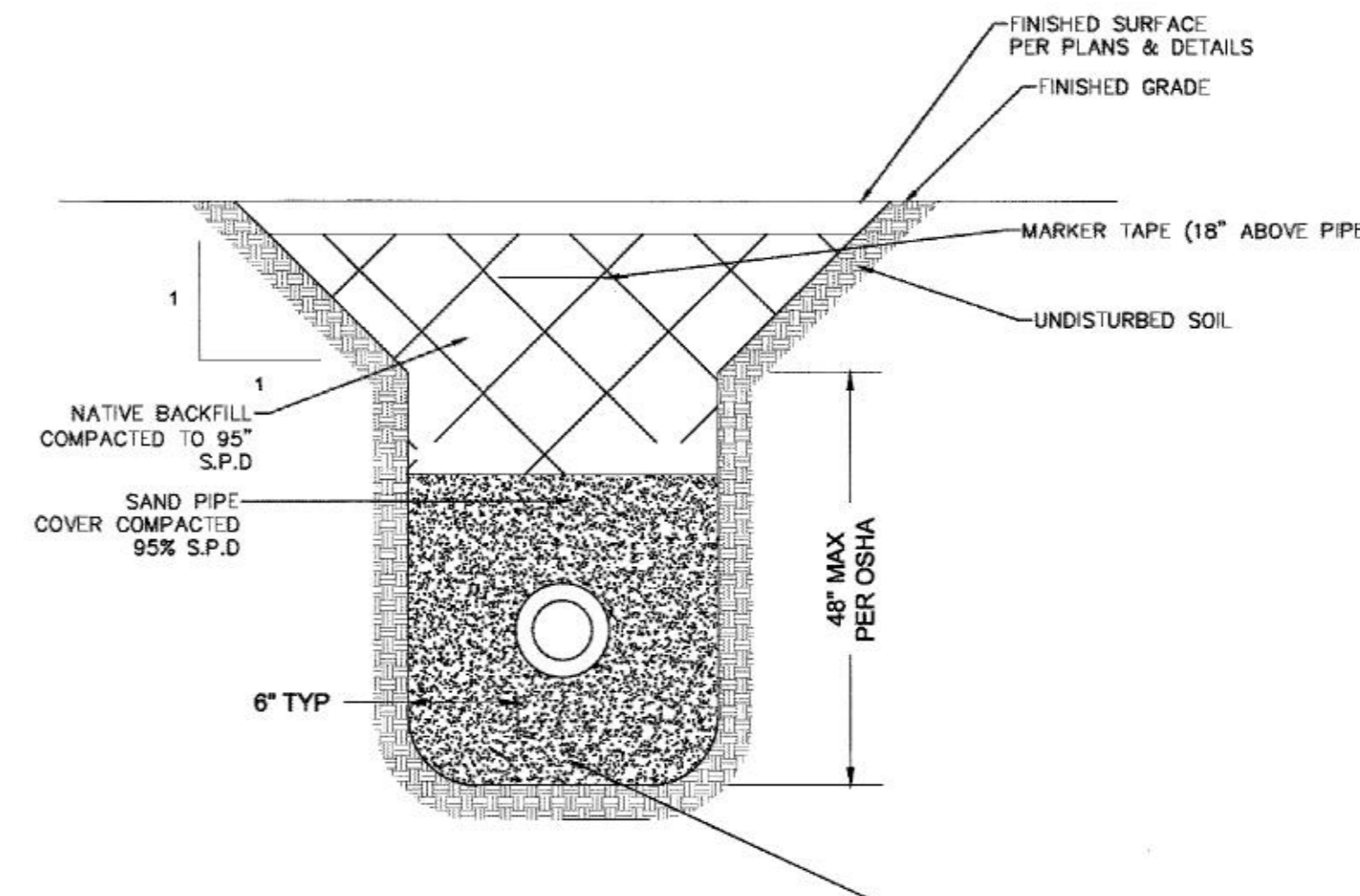
**DUAL TRENCH (HDPE & PVC) OPTION 1**



**DUAL TRENCH (HDPE & PVC) OPTION 2**



**DUAL TRENCH ROAD CROSSING**



**ELECTRICAL TRENCH (CONDUIT)**

**NOTE:**

- 1) FORCEMAINS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 5'. PROVIDE RIGID POLYSTYRENE FOAM INSULATION STYROFOAM HIGH LOAD 60 ABOVE PIPES WITH LESS THAN 5' OF EARTH COVER.
- 2) ALL ACCESS LIDS SHALL BE PROVIDED WITH A LOCKABLE MECHANISM.

**1** PIPE TRENCH DETAILS  
S20 SCALE: NOT TO SCALE

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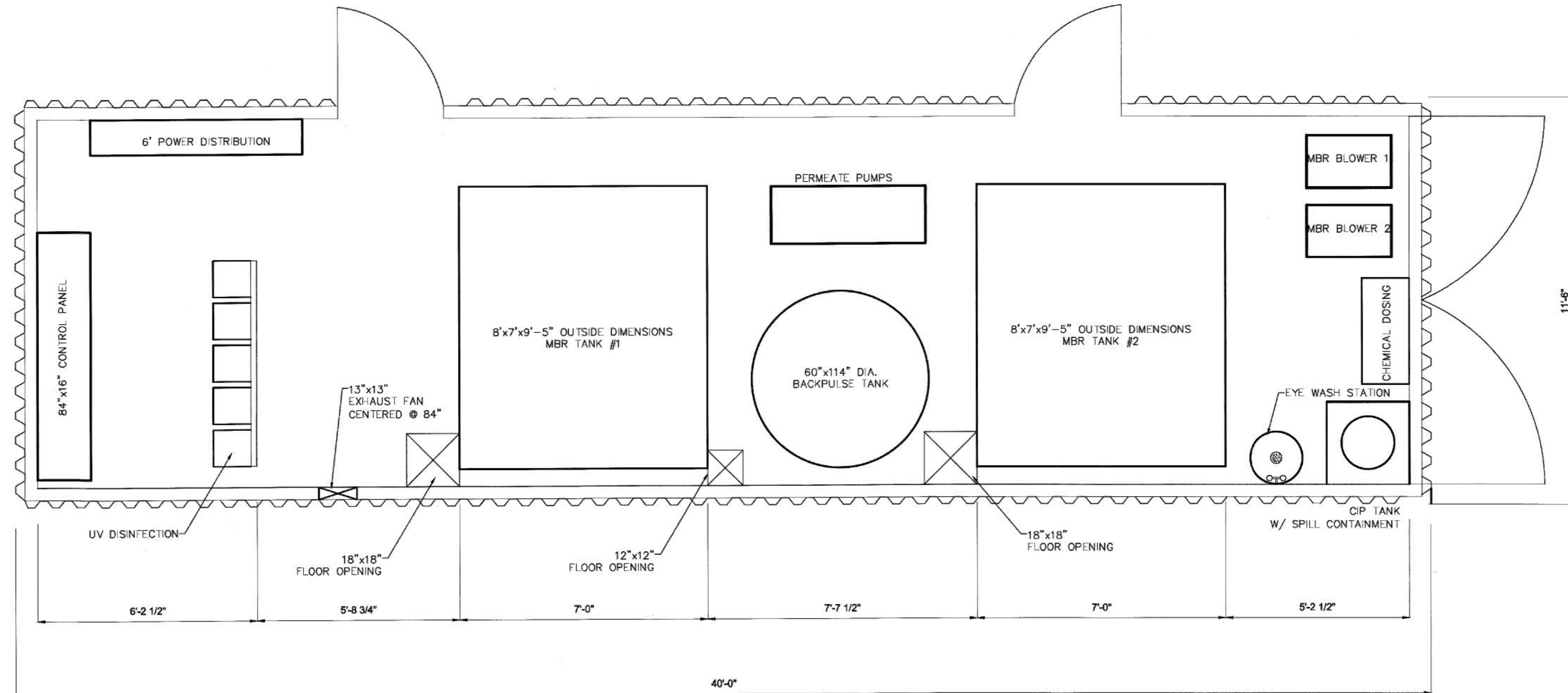
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BELLEFIELD AT HISTORIC HYDE PARK

**PIPE TRENCH DETAILS**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

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- NOTES:
- BUILDING WILL BE PROVIDED WITH ELECTRIC SPACE HEATER, LED LIGHT FIXTURES AND EXHAUST FAN.
  - THE ELECTRICAL POWER FOR THE 13X13 EXHAUST FAN SHALL BE TIED INTO THE LIGHT SWITCH OF THE BUILDING SUCH THAT THE EXHAUST FAN SWITCH TURNS ON AND OFF WITH LIGHTS.

**1 TREATMENT BUILDING - TYPICAL FLOOR LAYOUT**  
SCALE: NOT TO SCALE

**SIGNAGE:**

- PROVIDE WARNING AND SAFETY SIGNAGE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS. SIGNAGE SHALL BE METAL BACKED CONSTRUCTED, PERMANENTLY MOUNTED AND OF THE COLOR AND SIZE DICTATED BY THE APPLICABLE CODE AND REGULATION.
- CAUTION SIGNS: STANDARD YELLOW BACKGROUND COLOR WITH BLACK LETTERS AND BLACK PANEL WITH YELLOW LETTERS PER ANSI Z53.1
- DANGER SIGNS: STANDARD WHITE BACKGROUND COLOR WITH BLACK LETTERS AND BLACK PANEL WITH RED INSERT CONTAINING WHITE LETTERS PER ANSI Z53.1
- WARNING SIGNS: STANDARD ORANGE BACKGROUND COLOR WITH BLACK LETTERS AND BLACK PANEL WITH ORANGE INSERT CONTAINING BLACK LETTERS PER ANSI Z53.1
- SAFETY SIGNS: STANDARD WHITE BACKGROUND COLOR WITH BLACK LETTERS AND GREEN PANEL WITH WHITE LETTERS PER ANSI Z53.1
- THE FOLLOWING SIGNS SHALL BE PROVIDED AT A MINIMUM:
  - CAUTION - EYE AND GLOVE PROTECTION MUST BE WORN WHEN HANDLING CHEMICALS
  - HAZARDOUS MATERIAL (SODIUM HYPOCHLORITE)
  - FIRE EXTINGUISHER
  - EYE WASH
  - EXIT

**INITIAL SUPPLY OF CHEMICALS:**

- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY CHEMICALS REQUIRED FOR THE INITIAL START-UP AND COMMISSIONING OF THE FACILITY.
- NSF 61 CERTIFIED CHEMICALS SHALL BE STORED IN COMMERCIALY AVAILABLE 5-GAL CARBOYS ON LOW-PROFILE CONTAINMENT DECK.

**LABELS ON CHEMICAL FEED SYSTEM:**

- CHEMICAL FEED LINES SHALL BE PROPERLY LABELED TO CLEARLY IDENTIFY ITS CONTENT AND USE.
- CHEMICAL LABELS SHALL BE SELF-STICK BLACK VINYL LETTERS & NUMBERS ON SAFETY YELLOW BACKGROUNDS.

**CONTAINMENT PALLET:**

- 1-DRUM LOW-PROFILE POLYETHYLENE ULTRA-SPILL DECK P1 #UT-1321 (25'-7/8" L X 25'-7/8" W X 5'-3/4" H).

**PORTABLE EMERGENCY EYE WASH:**

- PROVIDE HAWS MODEL 7500 PORTABLE EMERGENCY EYE WASH OR APPROVED EQUAL. WALL MOUNTED UNIT W/BACKET PROVIDED WITH 16 GALLON FDA APPROVED HIGH DENSITY POLYETHYLENE TANK, COMPLETE SELF CONTAINED AND CAPABLE OF DELIVERING 0.4 GPM FOR 15 MINUTES. COMPLY WITH ANSI Z358.1 (LATEST EDITION). EYEWASH NOZZLES SHOULD BE 36 INCHES ABOVE FINISHED FLOOR WHEN EYEWASH ARM IS LOWERED.

**PIPE MARKINGS:**

- SELF-STICK PIPE MARKERS SHALL BE PROVIDED TO CLEARLY IDENTIFY PIPE FLOW DIRECTION AND FLUID TYPE. PIPE MARKERS SHALL CONFORM TO ANSI A-13.1.
- THE PIPE MARKERS SHALL CONSIST OF 4-MIL FLEXIBLE VINYL LINER WITH A GLOSSY SURFACE FINISH, A HIGH-TACK ACRYLIC ADHESIVE BACK. SERVICE TEMPERATURE RANGE SHALL BE -20° TO 140°F.

**SAFETY**

- A PAIR OF RUBBER GLOVES, APRON AND GOGGLES SHALL BE PLACED NEAR CHLORINATION EQUIPMENT.

**FIRST AID KIT:**

- A WELL STOCKED FIRST AID KIT WITH ALL THE BASIC EMERGENCY SUPPLIES SHALL BE PROVIDED AT THE PLANT. THE FIRST AID KIT SHALL MEET ANSI Z308.1 AND OSHA 1910.157 STANDARDS.
- THE KIT SHALL COME IN WALL MOUNTABLE STURDY PLASTIC CONTAINER WITH ADEQUATE SUPPLIES TO TREAT UP TO 25 PEOPLE. (USA BLUE BOOK STOCK # MC-65098).
- THE FIRST AID KIT WILL BE MOUNTED ON THE WALL INSIDE THE BUILDING NEAR THE ENTRY DOORS.

**FIRE EXTINGUISHER:**

- PROVIDE FIRE EXTINGUISHER OF TYPE ABC.
- THE FIRE EXTINGUISHER SHALL BE WALL MOUNTED IN A VISIBLE LOCATION WITH APPROPRIATE BRACKETS.

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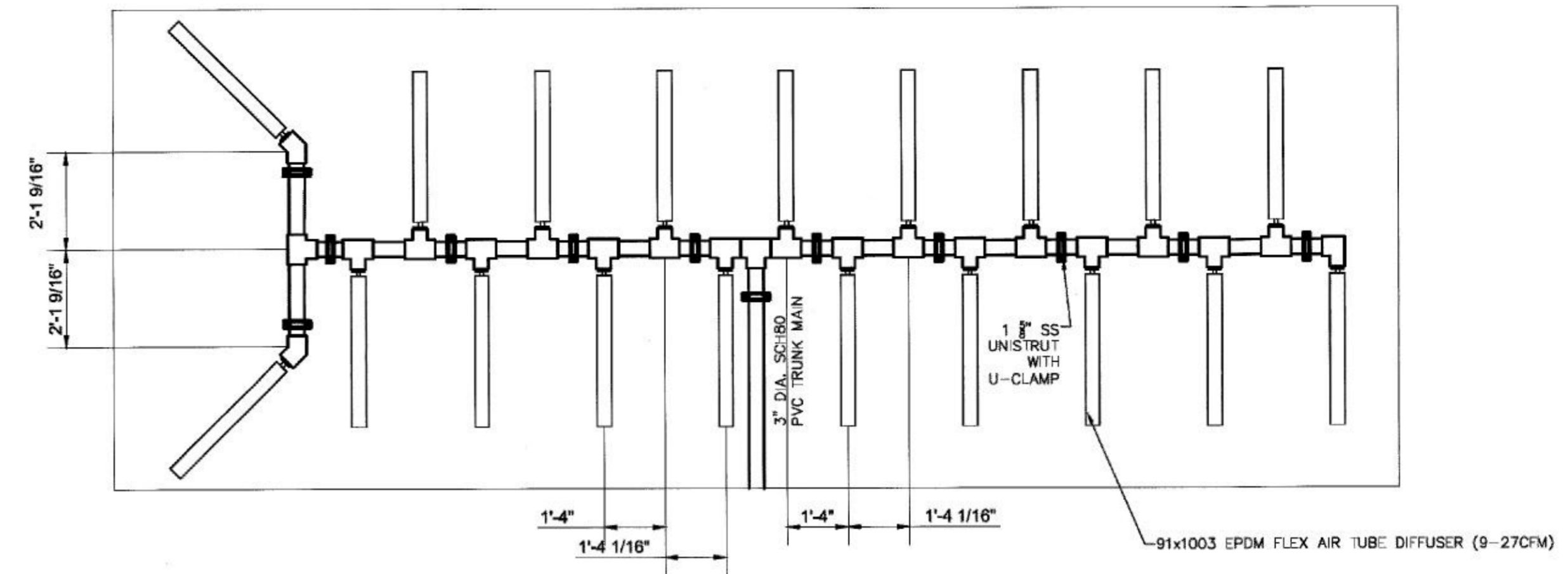
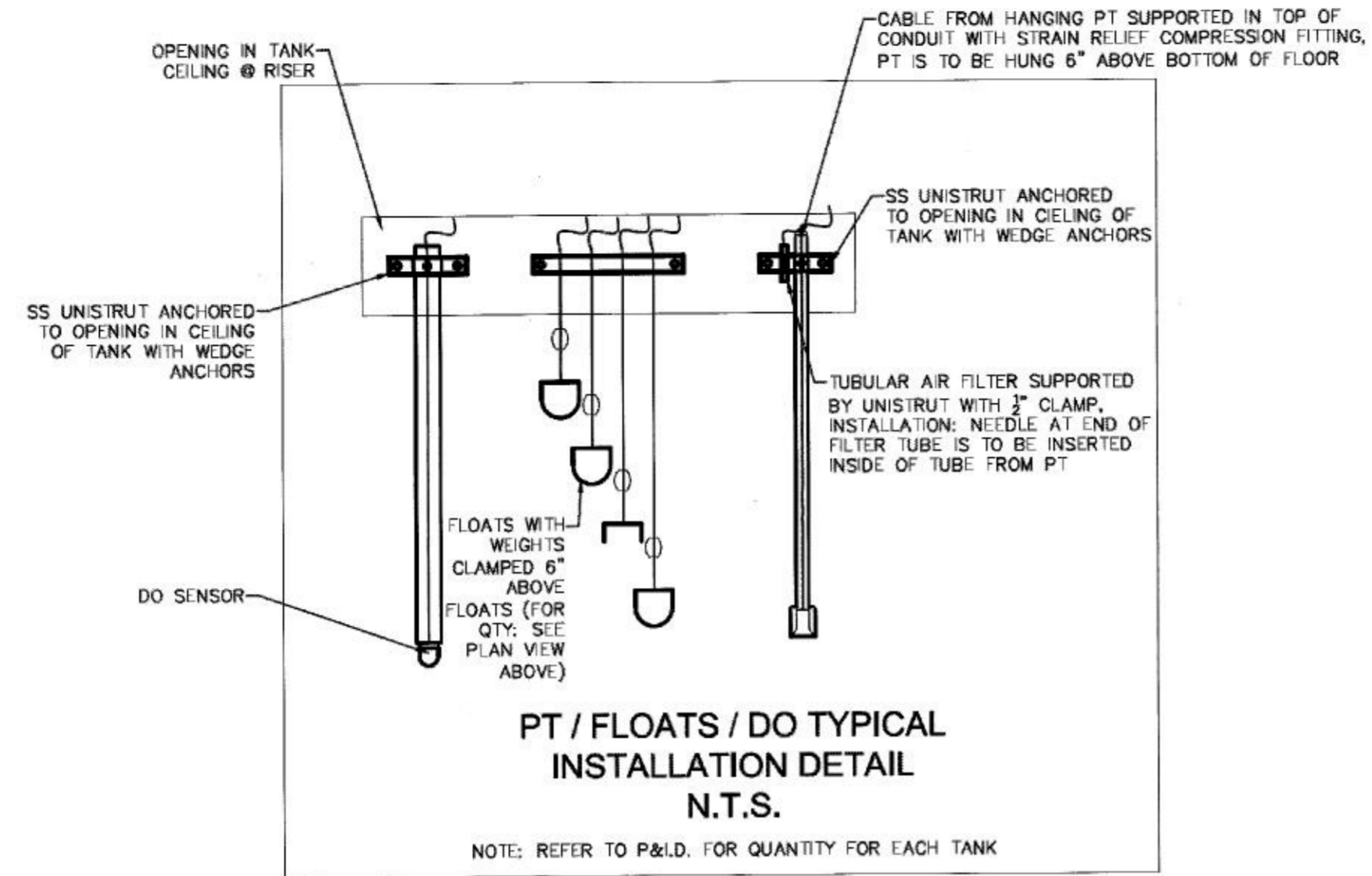


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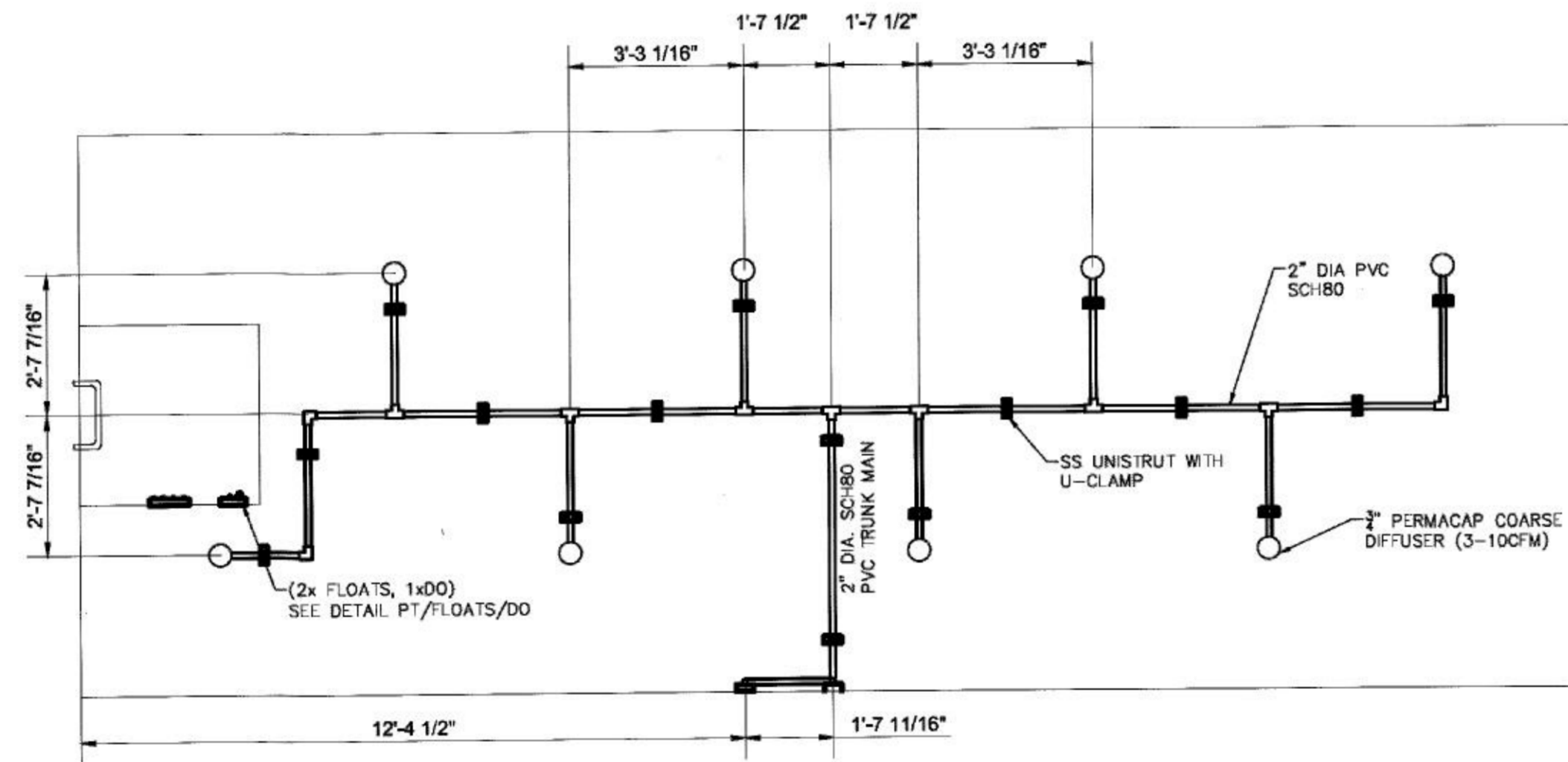
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BELLEFIELD AT HISTORIC HYDE PARK  
**TREATMENT BUILDING  
TYPICAL FLOOR LAYOUT**  
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

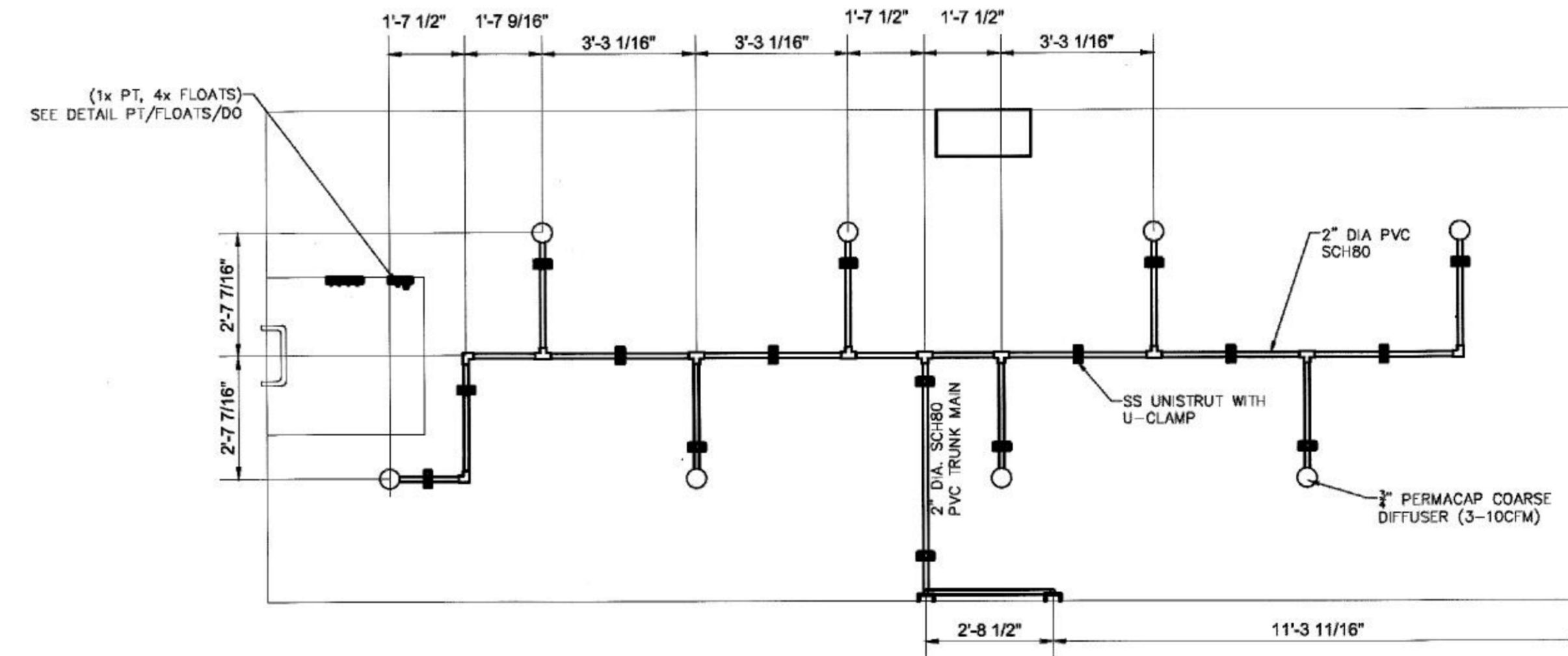
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| 61235.09    |            |
| sheet no.   |            |
|             | <b>S21</b> |



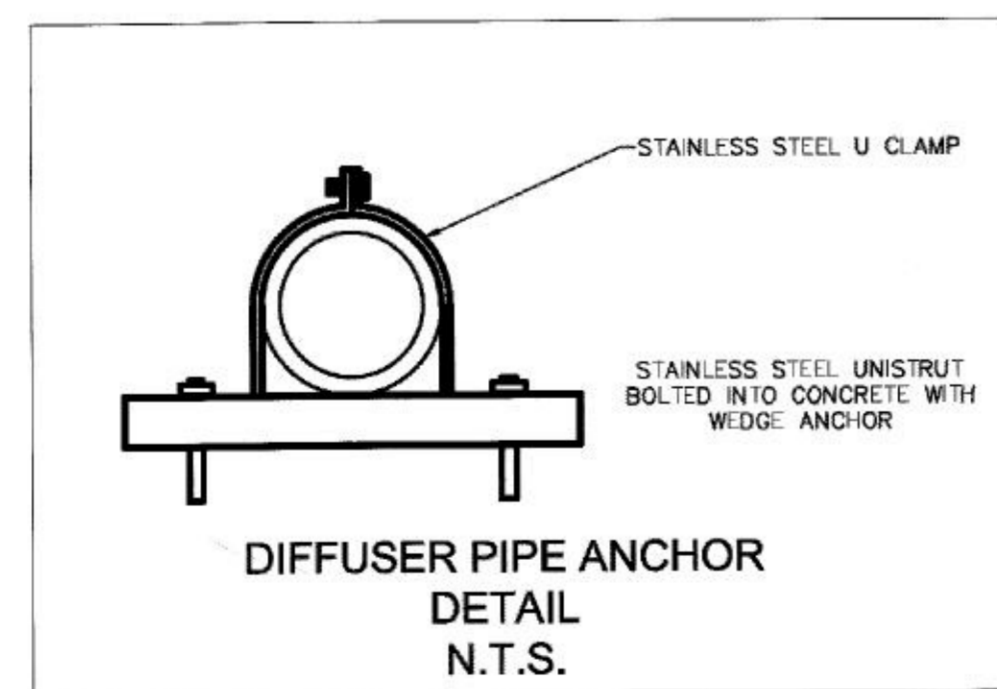
AERATION TANK  
30,000 GAL



SLUDGE TANK  
30,000 GAL



EQ TANK  
30,000 GAL



NOTE:  
SEE SECTION VIEWS FOR GUIDELINES FOR PIPING BETWEEN CORE AND TRUNK MAIN

1  
S22 DIFFUSER LAYOUT  
SCALE: NOT TO SCALE

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| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENT |

BELLEFIELD AT HISTORIC HYDE PARK

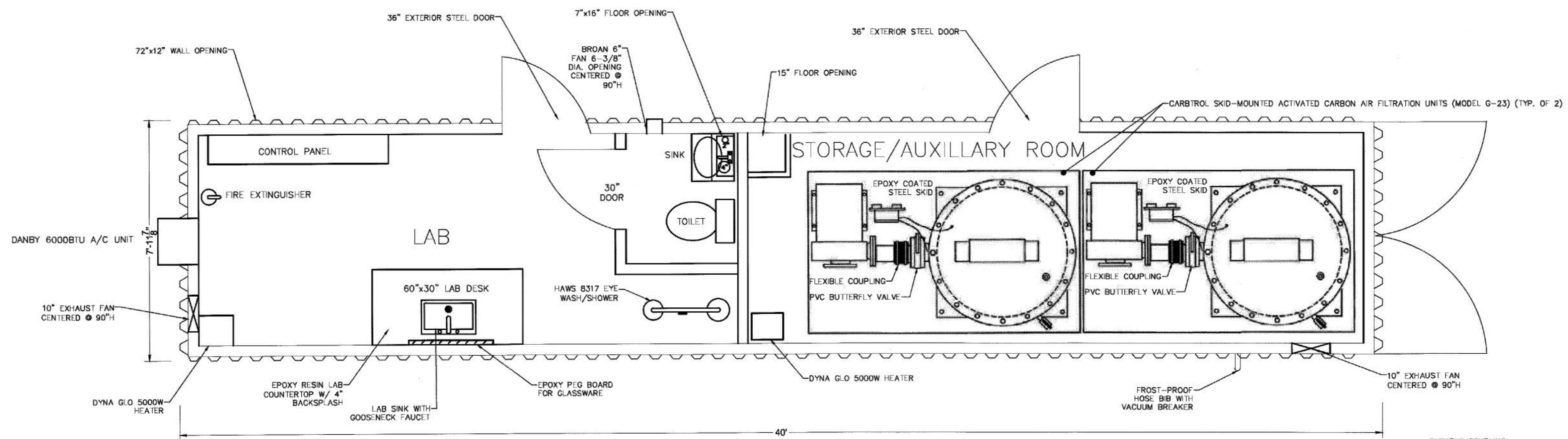
DIFFUSER LAYOUT

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

|                         |                 |
|-------------------------|-----------------|
| designed<br>TA          | checked<br>PB   |
| date<br>3/23/21         | scale<br>N.T.S. |
| project no.<br>81235.09 |                 |
| sheet no.<br>S22        |                 |

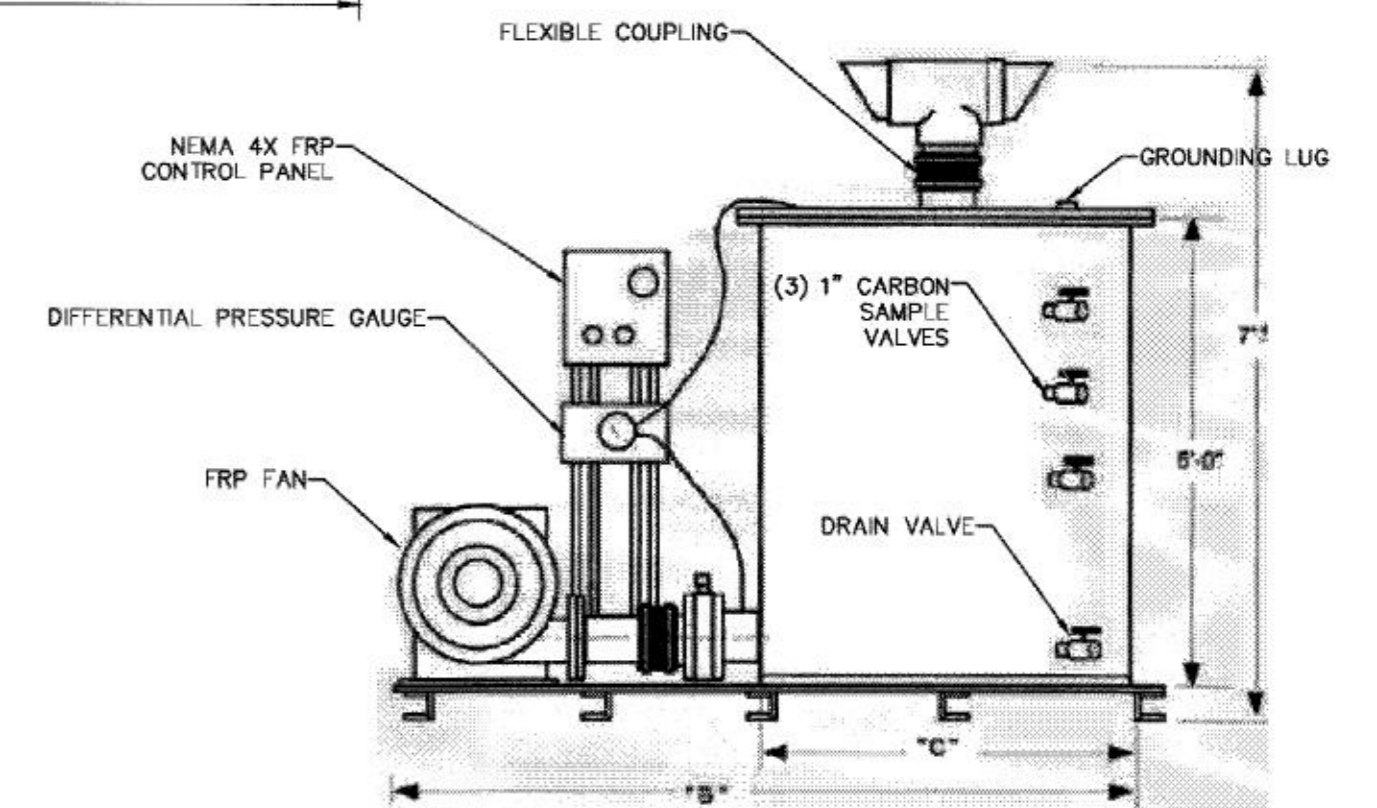
0 1 2 3  
ORIGINAL SCALE IN INCHES





- NOTES:
- BUILDING WILL BE PROVIDED WITH ELECTRIC SPACE HEATER, LED LIGHT FIXTURES AND EXHAUST FAN.
  - THE ELECTRICAL POWER FOR THE 13X13 EXHAUST FAN SHALL BE TIED INTO THE LIGHT SWITCH OF THE BUILDING SUCH THAT THE EXHAUST FAN SWITCH TURNS ON AND OFF WITH LIGHTS.

1 LAB/MAINTENANCE BUILDING FLOOR LAYOUT  
SCALE: NOT TO SCALE



2 CARBTROL CARBON FILTER MODEL G-23 ODOR CONTROL SYSTEM - ELEVATION (TYP.)  
SCALE: NOT TO SCALE

DUTCHESS COUNTY DEPT. OF HEALTH  
Poughkeepsie, New York  
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| rev. | date    | description                         |
|------|---------|-------------------------------------|
| 2    | 7/2/21  | REVISED PER DCDH AND DCWA COMMENTS  |
| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS |

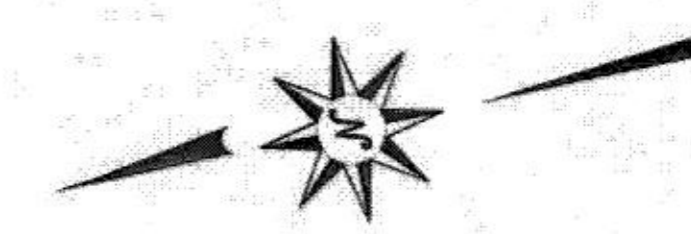
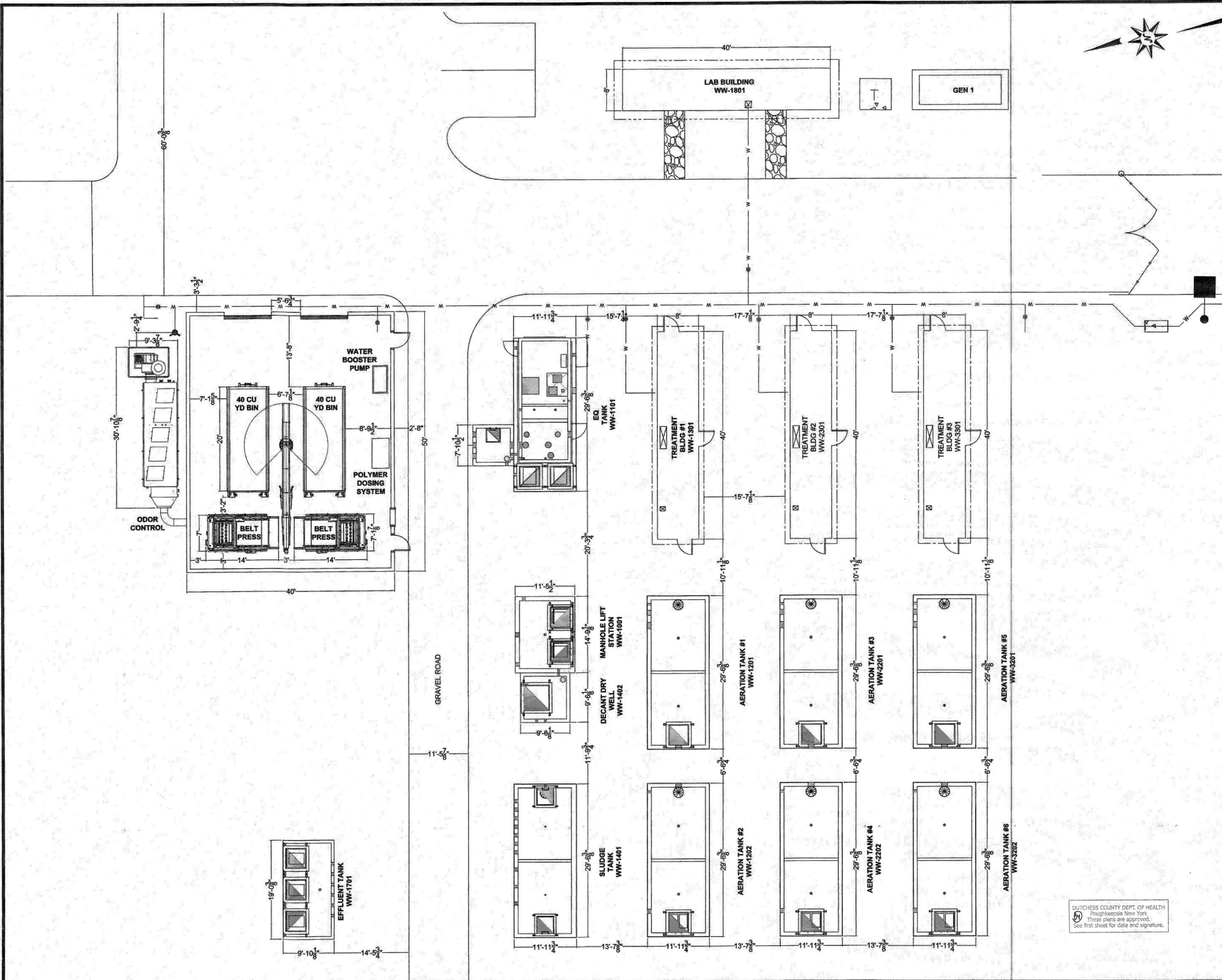
BELLEFIELD AT HISTORIC HYDE PARK

**LAB/MAINTENANCE BUILDING FLOOR LAYOUT**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed             | checked       |
|----------------------|---------------|
| TA                   | PB            |
| date 3/23/21         | scale N.T.S.  |
| project no. 81235.09 | sheet no. S23 |

0 1 2 3  
ORIGINAL SCALE IN INCHES



| No. | DESCRIPTION               | BY | DD/MM/YYYY | APP. |
|-----|---------------------------|----|------------|------|
| 0   | INITIAL DESIGN            | NT | 24/02/2022 | KH   |
| 1   | REVISED EFFLUENT LOCATION | NT | 01/03/2022 | KH   |
|     |                           |    |            |      |
|     |                           |    |            |      |
|     |                           |    |            |      |
|     |                           |    |            |      |
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|     |                           |    |            |      |
|     |                           |    |            |      |

CLIENT

MUNICIPALITY  
DUTCHESS COUNTY

SHEET TITLE  
BELT PRESS SITE PLAN

LOCATION  
TOWN OF HYDE PARK  
NEW YORK

PROJECT TITLE  
BELLEFIELD  
WWTP

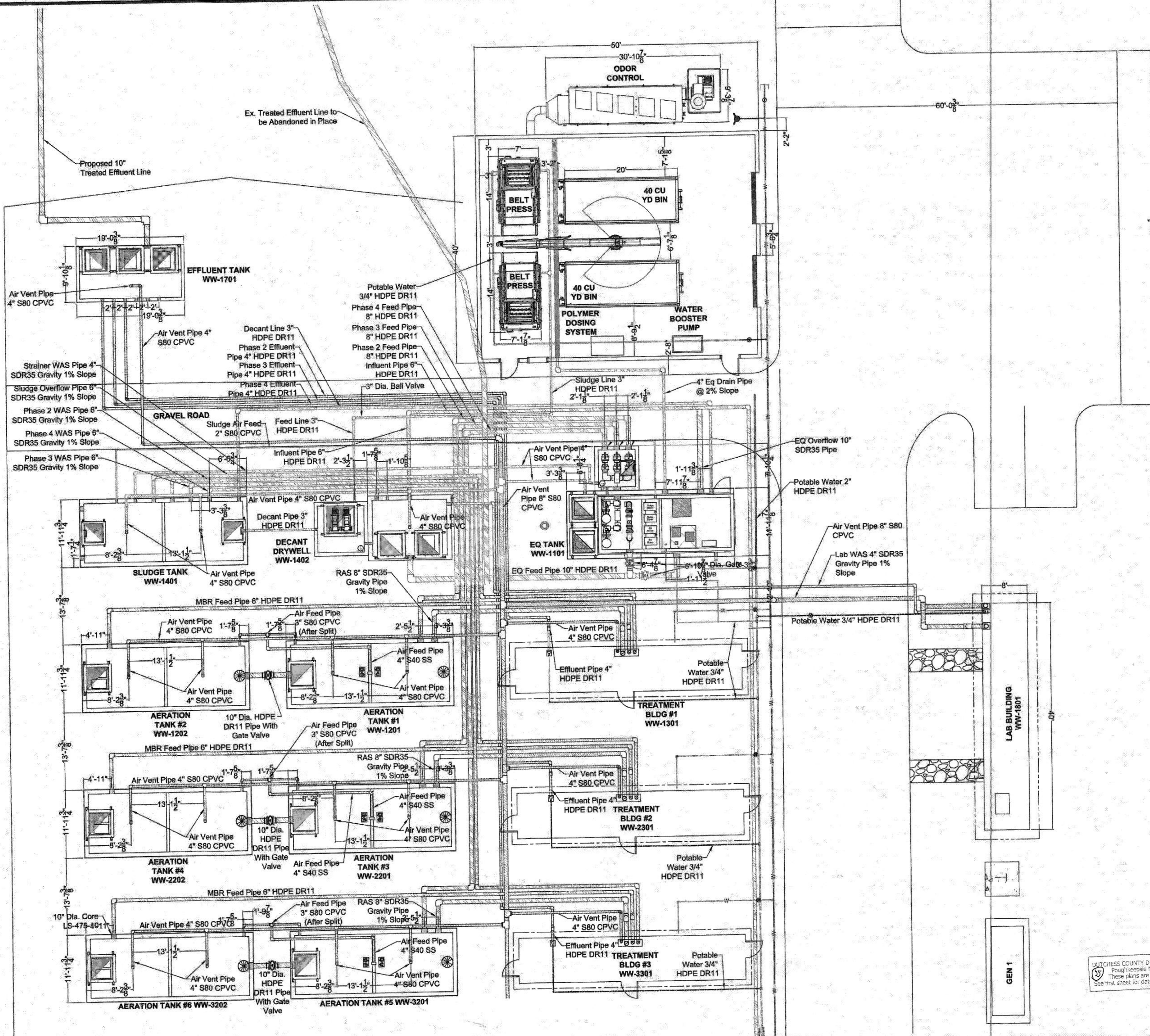


DESIGNED BY KH    DRAWN BY TA    CHECKED BY KH

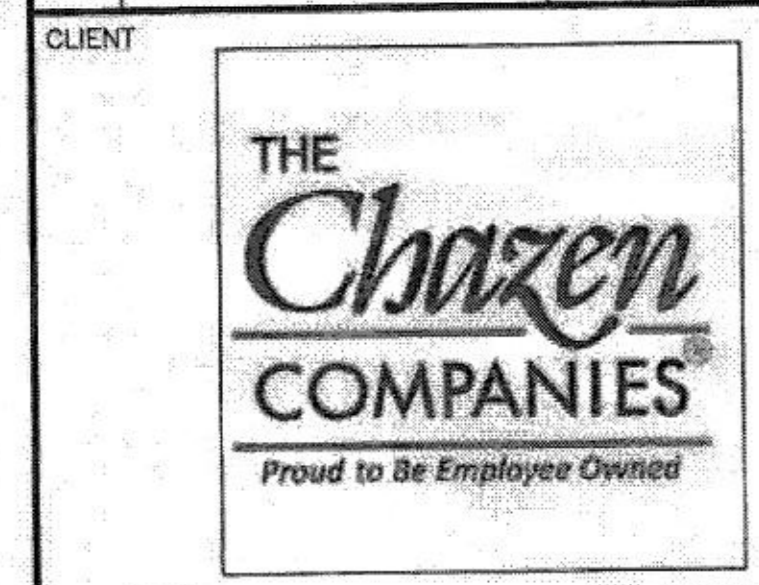
SCALE N.T.S.    DATE Mar. 1 2022

PROJECT No. BD19-003    DWG. No. S2401    REV.

DUTCHESS COUNTY DEPT. OF HEALTH  
Poughkeepsie New York  
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| No. | DESCRIPTION               | BY | DD/MM/YYYY | APP. |
|-----|---------------------------|----|------------|------|
| 0   | INITIAL DESIGN            | NT | 24/02/2022 | KH   |
| 1   | REVISED EFFLUENT LOCATION | NT | 01/03/2022 | KH   |



MUNICIPALITY  
**DUTCHESS COUNTY**

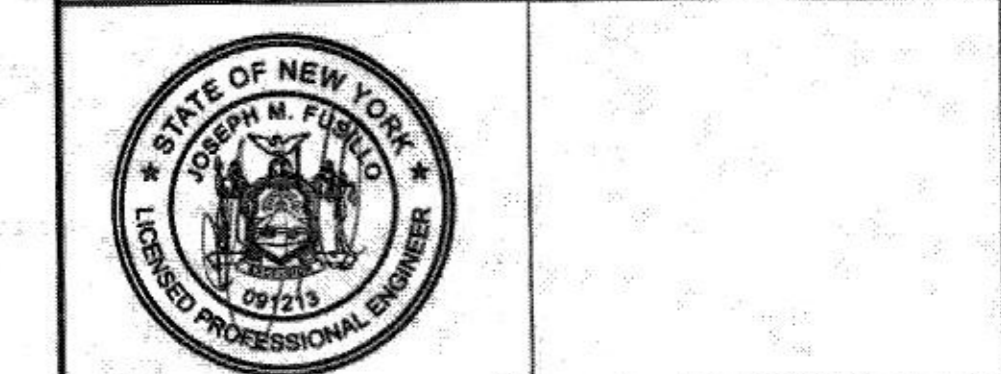
SHEET TITLE  
**BELT PRESS SITE PLAN ( PIPING )**

LOCATION  
**TOWN OF HYDE PARK NEW YORK**

PROJECT TITLE  
**BELLEFIELD WWTP**

**STREAMGO**  
WATER SOLUTIONS INC

400 JONES RD. UNIT 17  
STONEY CREEK, ON  
L8E 5P4

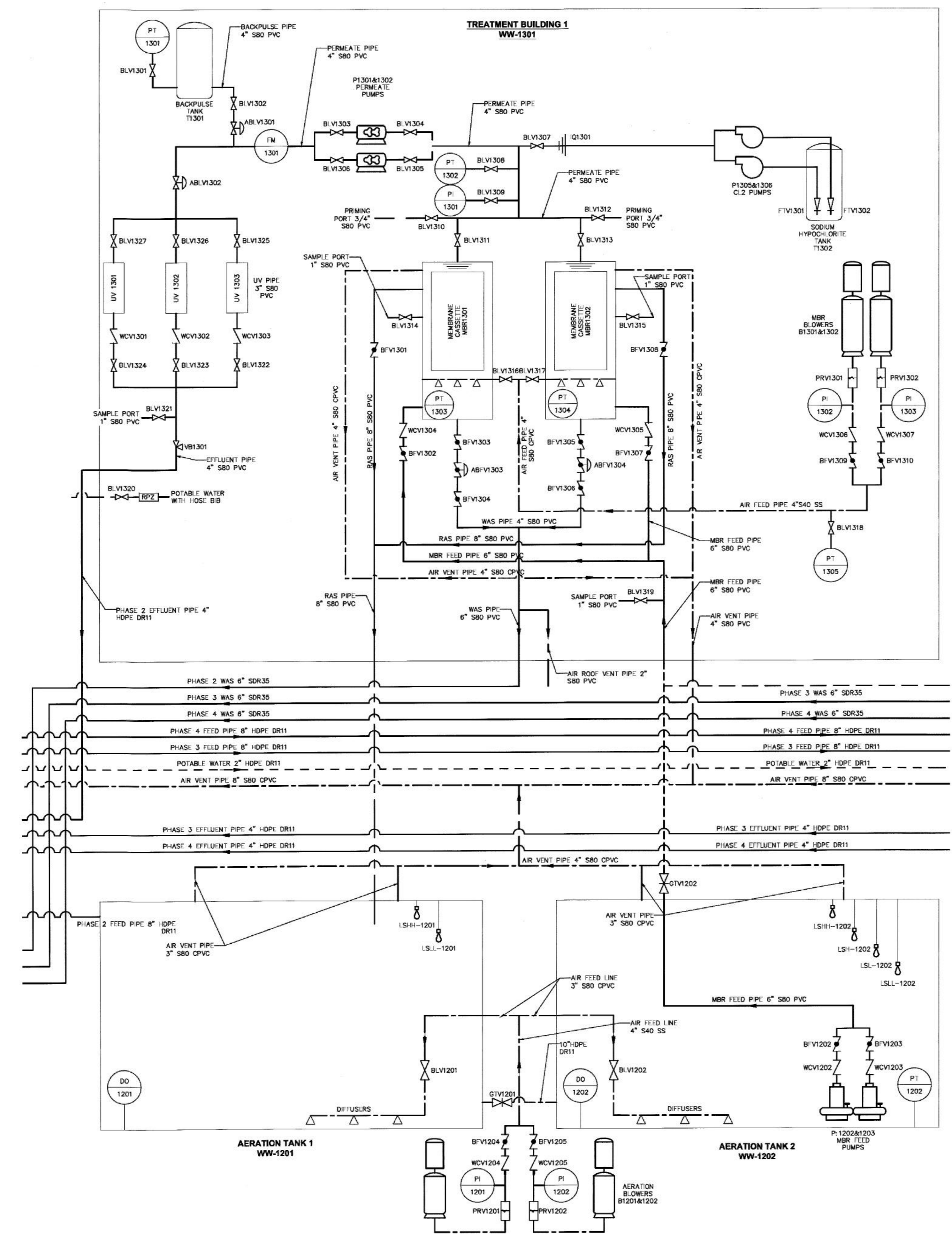


|                                |                            |                         |
|--------------------------------|----------------------------|-------------------------|
| DESIGNED BY<br><b>KH</b>       | DRAWN BY<br><b>TA</b>      | CHECKED BY<br><b>KH</b> |
| SCALE<br><b>N.T.S.</b>         | DATE<br><b>Mar. 1 2022</b> |                         |
| PROJECT No.<br><b>BD19-003</b> | DWG. No.<br><b>S25 01</b>  | REV.<br><b>01</b>       |

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Poughkeepsie New York  
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P04 ←

→ P02



**LEGEND:**

**PROCESS PIPES**

- AIR PIPE
- WASTEWATER PIPE
- POTABLE WATER PIPE

**VALVES/PUMPS/METER**

- MANUAL BALL VALVE (BV)
- MANUAL BUTTERFLY VALVE (BFV)
- CHECK VALVE (WCV)
- ACTUATED BALL VALVE (ABL)
- ACTUATED BUTTERFLY VALVE (ABFV)
- GLOBE VALVE (GLV)
- PRESSURE RELEASE VALVE (PRV)
- MANUAL GATE VALVE (GTV)
- VACUUM BREAKER (VB)
- FOOT VALVE (FTV)
- INJECTION QUILL (IQ)
- PRESSURE REGULATOR VALVE (PROV)
- REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE (RPZ)
- FLOW METER
- CHEMICAL FEED PUMP
- ROTARY LOBE PUMP
- SUBMERSIBLE MIXER
- BLOWER
- FEED PUMP

**AIR VALVES**

- MANUAL BALL VALVE (BV)
- CHECK VALVE (CV)
- AIR RELEASE VALVE (ARV)

**SENSORS/INDICATORS/SWITCHES**

- PRESSURE TRANSDUCER (PT)
- PRESSURE INDICATOR (PI)
- FLOW METER INDICATOR (FM)
- DISSOLVED OXYGEN (DO)
- LEVEL SWITCH - HIGH-HIGH WATER LEVEL (LSHH)
- LEVEL SWITCH - HIGH WATER LEVEL (LSH)
- LEVEL SWITCH - LOW WATER LEVEL (LSL)
- LEVEL SWITCH - LOW-LOW WATER LEVEL (LSLL)

**ABBREVIATION**

- RAS: RETURN ACTIVATED SLUDGE
- WAS: WASTE ACTIVATED SLUDGE

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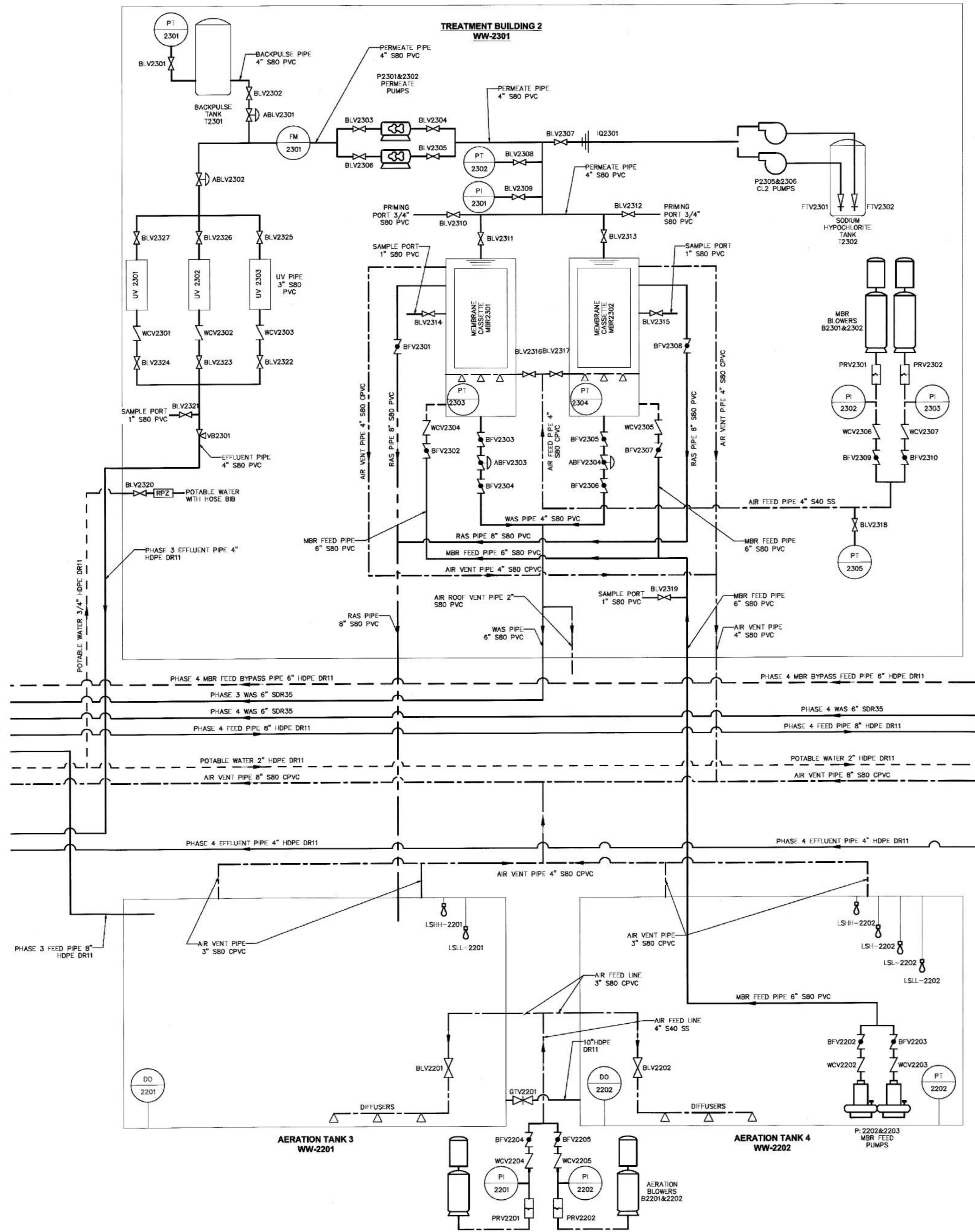
| rev. | date    | description                           |
|------|---------|---------------------------------------|
| 3    | 7/23/21 | REVISED PER DOWNA COMMENTS            |
| 2    | 7/2/21  | REVISED PER DOWNA AND DCOWNA COMMENTS |
| 1    | 4/15/21 | REVISED PER PLANNING BOARD COMMENTS   |

BELLEFIELD AT HISTORIC HYDE PARK

**PROCESS FLOW DIAGRAM  
TREATMENT BUILDING #1**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed             | checked |
|----------------------|---------|
| TA                   | PB      |
| 3/23/21              | N.T.S   |
| project no. 81235.09 |         |
| sheet no. <b>P01</b> |         |



**LEGEND:**

**PROCESS PIPES**

- AIR PIPE
- WASTEWATER PIPE
- POTABLE WATER PIPE

**VALVES/PUMPS/METER**

- MANUAL BALL VALVE (BLV)
- MANUAL BUTTERFLY VALVE (BFV)
- CHECK VALVE (WCV)
- ACTUATED BALL VALVE (ABL)
- ACTUATED BUTTERFLY VALVE (ABF)
- GLOBE VALVE (GLV)
- PRESSURE RELEASE VALVE (PRV)
- MANUAL GATE VALVE (GTV)
- VACUUM BREAKER (VB)
- FOOT VALVE (FTV)
- INJECTION QUILL (IQ)
- PRESSURE REGULATOR VALVE (PROV)
- REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE (RPZ)
- FLOW METER
- CHEMICAL FEED PUMP
- ROTARY LOBE PUMP
- SUBMERSIBLE MIXER
- BLOWER
- FEED PUMP

**AIR VALVES**

- MANUAL BALL VALVE (BV)
- CHECK VALVE (CV)
- AIR RELEASE VALVE (ARV)

**SENSORS/INDICATORS/SWITCHES**

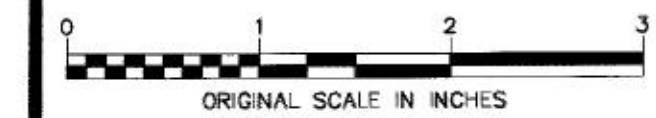
- PRESSURE TRANSDUCER
- PRESSURE INDICATOR
- FLOW METER INDICATOR
- DISSOLVED OXYGEN
- LEVEL SWITCH - HIGH-HIGH WATER LEVEL
- LEVEL SWITCH - HIGH WATER LEVEL
- LEVEL SWITCH - LOW WATER LEVEL
- LEVEL SWITCH - LOW-LOW WATER LEVEL

**ABBREVIATION**

- RAS: RETURN ACTIVATED SLUDGE
- WAS: WASTE ACTIVATED SLUDGE

DUTCHESS COUNTY DEPT. OF HEALTH  
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| 1    | 4/18/21 | REVISED PER PLANNING BOARD COMMENTS |
|      |         |                                     |

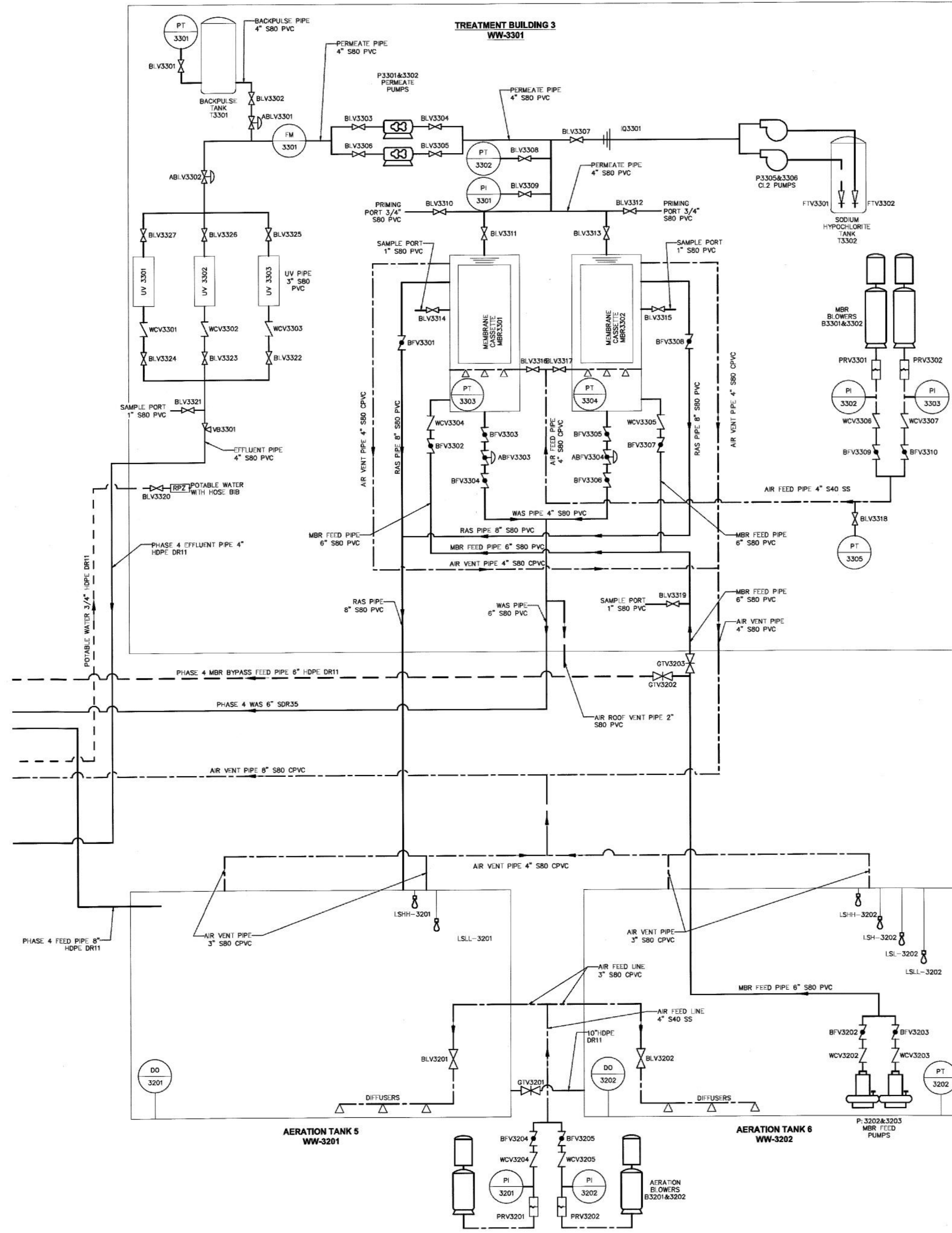
BELLEFIELD AT HISTORIC HYDE PARK

**PROCESS FLOW DIAGRAM  
 TREATMENT BUILDING #2**

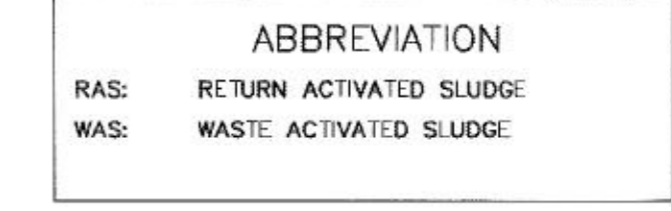
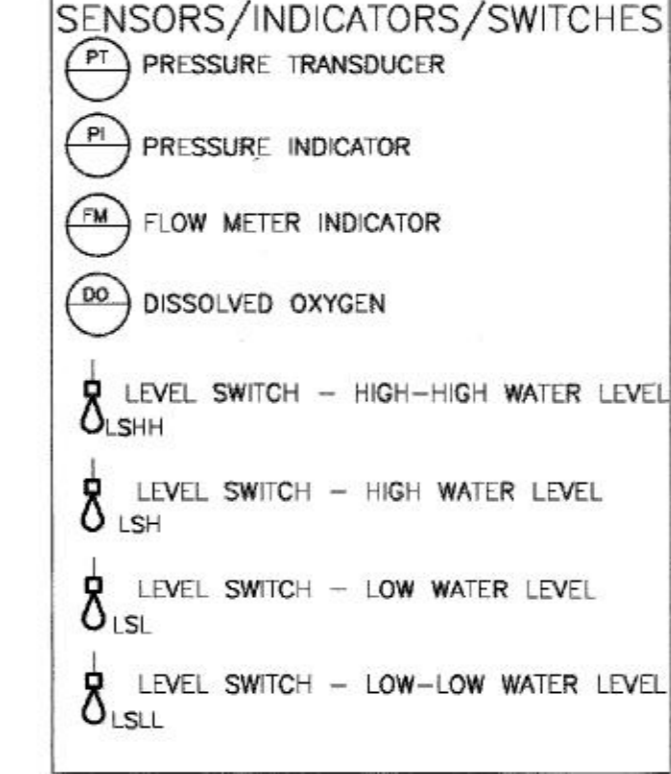
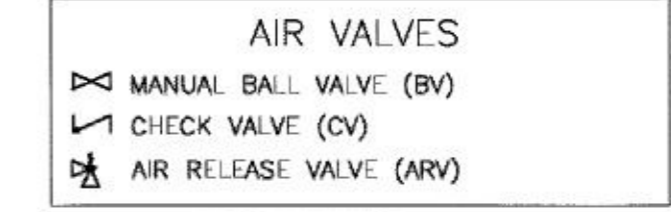
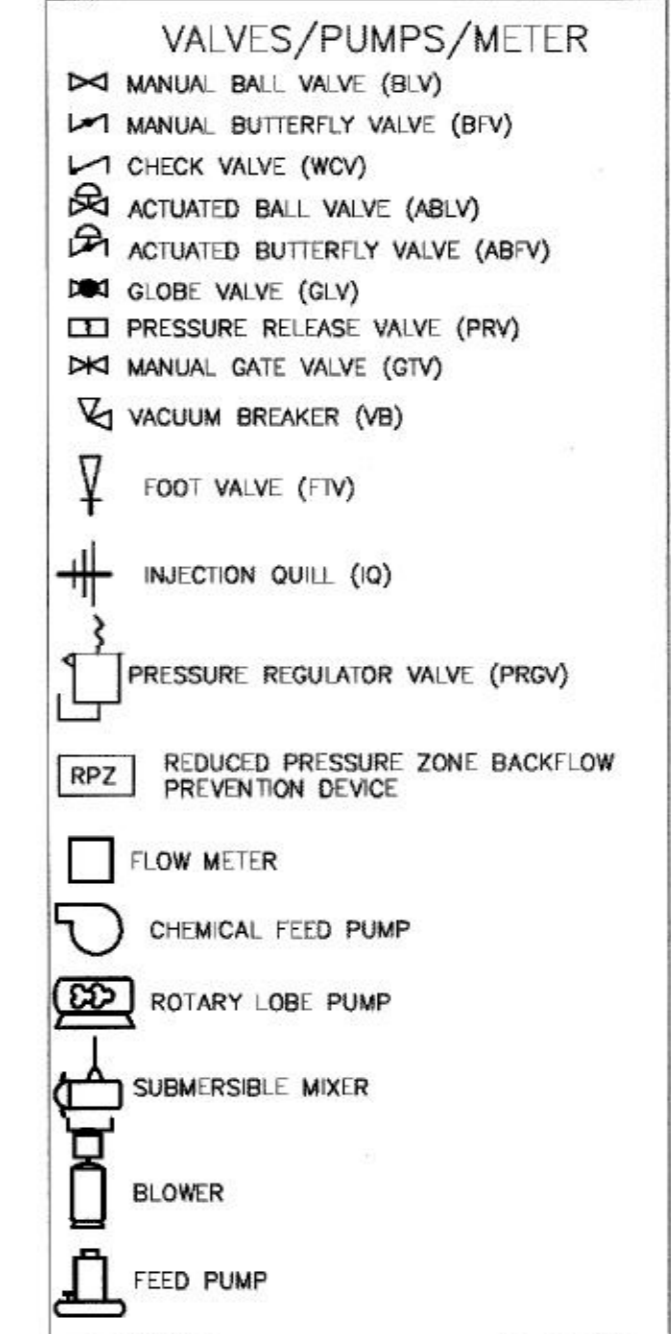
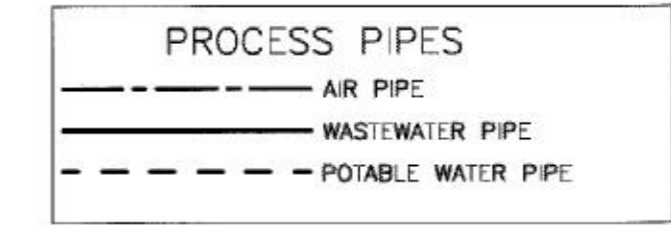
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed    | checked |
|-------------|---------|
| TA          | PB      |
| date        | scale   |
| 3/23/21     | N.T.S.  |
| project no. |         |
| 81235.09    |         |
| sheet no.   |         |
| <b>P02</b>  |         |

P02



**LEGEND:**

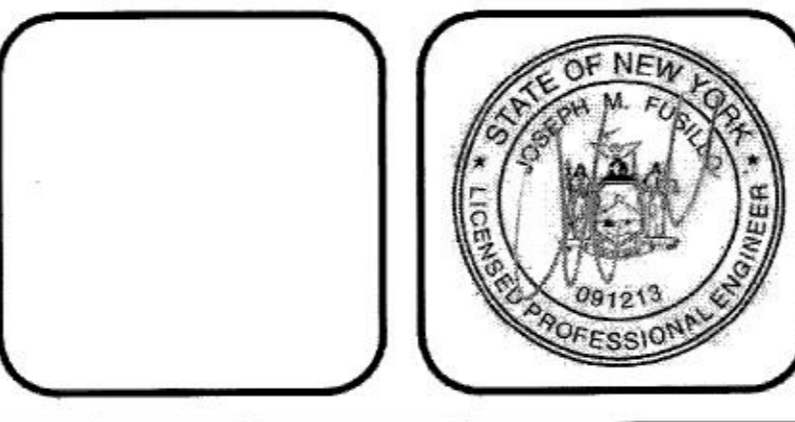


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| 1    | 4/19/21 | REVISED PER PLANNING BOARD COMMENTS  |
|      |         |                                      |

BELLEFIELD AT HISTORIC HYDE PARK

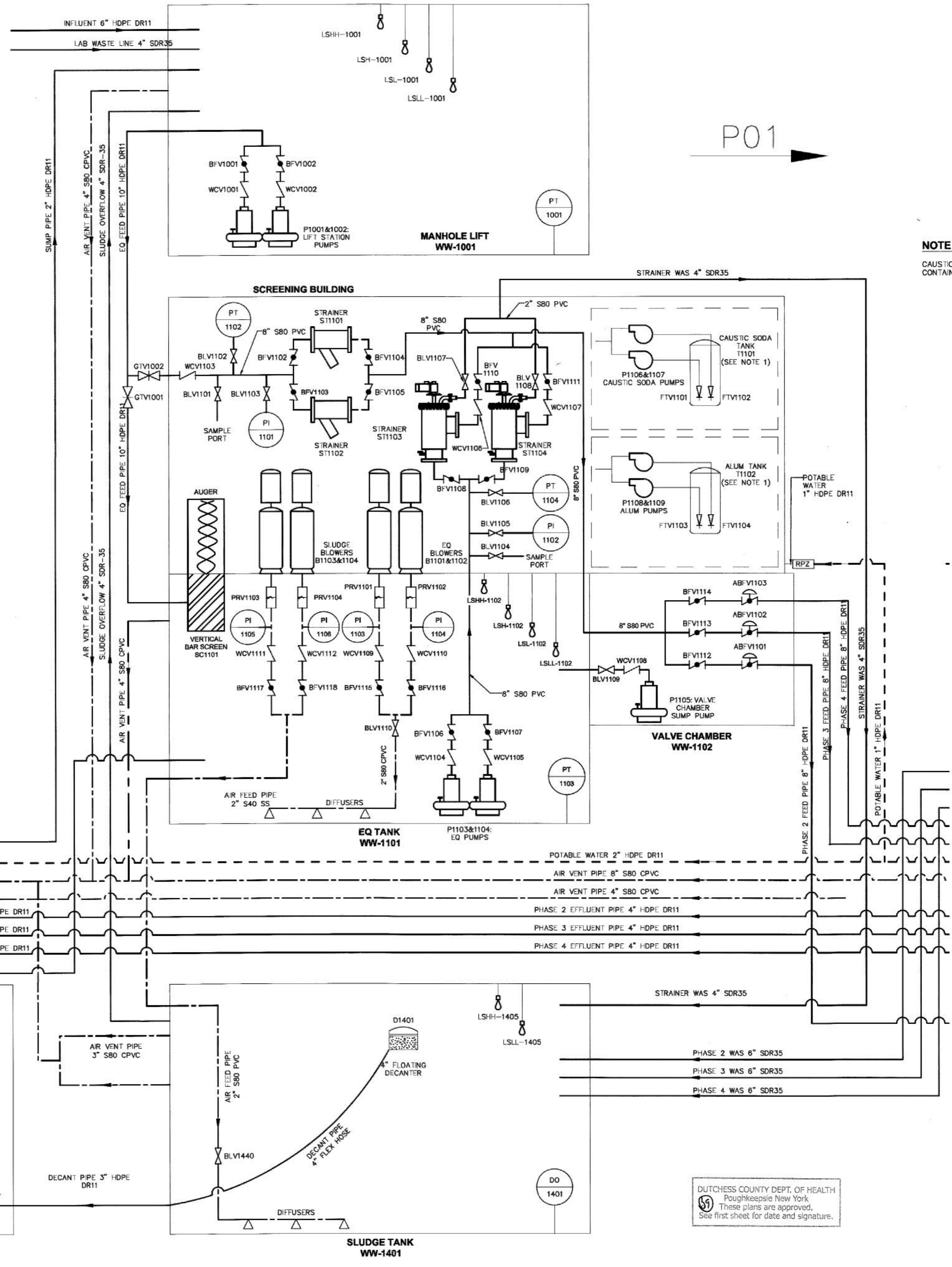
**PROCESS FLOW DIAGRAM  
TREATMENT BUILDING #3**

TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed    | checked    |
|-------------|------------|
| TA          | PB         |
| 3/23/21     | N.T.S      |
| project no. | 81235.09   |
| sheet no.   | <b>P03</b> |

**LEGEND:**

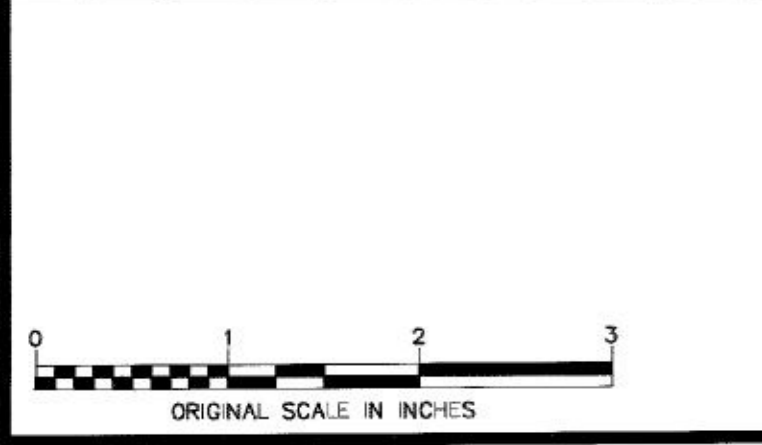
| PROCESS PIPES      |  | AIR VALVES                  |                                      |
|--------------------|--|-----------------------------|--------------------------------------|
| ---                | AIR PIPE   | ⊘                           | MANUAL BALL VALVE (BV)               |
| ---                | WASTEWATER PIPE                                  | ⊘                           | CHECK VALVE (CV)                     |
| ---                | POTABLE WATER PIPE                               | ⊘                           | AIR RELEASE VALVE (ARV)              |
| VALVES/PUMPS/METER |  | SENSORS/INDICATORS/SWITCHES |                                      |
| ⊘                  | MANUAL BALL VALVE (BV)                           | ⊘                           | PRESSURE TRANSDUCER                  |
| ⊘                  | MANUAL BUTTERFLY VALVE (BFV)                     | ⊘                           | PRESSURE INDICATOR                   |
| ⊘                  | CHECK VALVE (WCV)                                | ⊘                           | FLOW METER INDICATOR                 |
| ⊘                  | ACTUATED BALL VALVE (ABV)                        | ⊘                           | DISSOLVED OXYGEN                     |
| ⊘                  | ACTUATED BUTTERFLY VALVE (ABFV)                  | ⊘                           | LEVEL SWITCH - HIGH-HIGH WATER LEVEL |
| ⊘                  | GLOBE VALVE (GLV)                                | ⊘                           | LEVEL SWITCH - HIGH WATER LEVEL      |
| ⊘                  | PRESSURE RELEASE VALVE (PRV)                     | ⊘                           | LEVEL SWITCH - HIGH WATER LEVEL      |
| ⊘                  | MANUAL GATE VALVE (GV)                           | ⊘                           | LEVEL SWITCH - LOW WATER LEVEL       |
| ⊘                  | VACUUM BREAKER (VB)                              | ⊘                           | LEVEL SWITCH - LOW WATER LEVEL       |
| ⊘                  | FOOT VALVE (FV)                                  | ⊘                           | LEVEL SWITCH - LOW-LOW WATER LEVEL   |
| ⊘                  | INJECTION QUILL (IQ)                             |                             |                                      |
| ⊘                  | PRESSURE REGULATOR VALVE (PROV)                  |                             |                                      |
| ⊘                  | REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE |                             |                                      |
| ⊘                  | FLOW METER                                       |                             |                                      |
| ⊘                  | CHEMICAL FEED PUMP                               |                             |                                      |
| ⊘                  | ROTARY LOBE PUMP                                 |                             |                                      |
| ⊘                  | SUBMERSIBLE MIXER                                |                             |                                      |
| ⊘                  | BLOWER   |                             |                                      |
| ⊘                  | FEED PUMP  |                             |                                      |
| ABBREVIATION       |  |                             |                                      |
| RAS:               | RETURN ACTIVATED SLUDGE                          |                             |                                      |
| WAS:               | WASTE ACTIVATED SLUDGE                           |                             |                                      |



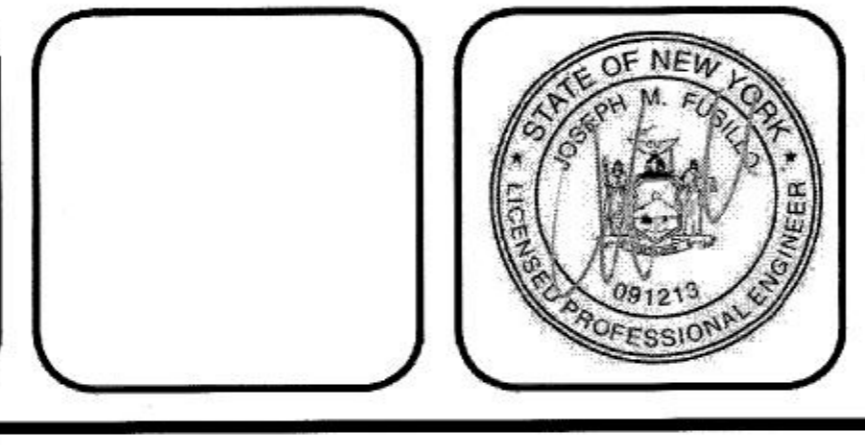
**NOTE 1:**  
CAUSTIC SODA AND ALUM TANKS WILL BE PROVIDED WITH SEPARATE SECONDARY CONTAINMENT.

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Poughkeepsie New York  
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WATER SOLUTIONS INC



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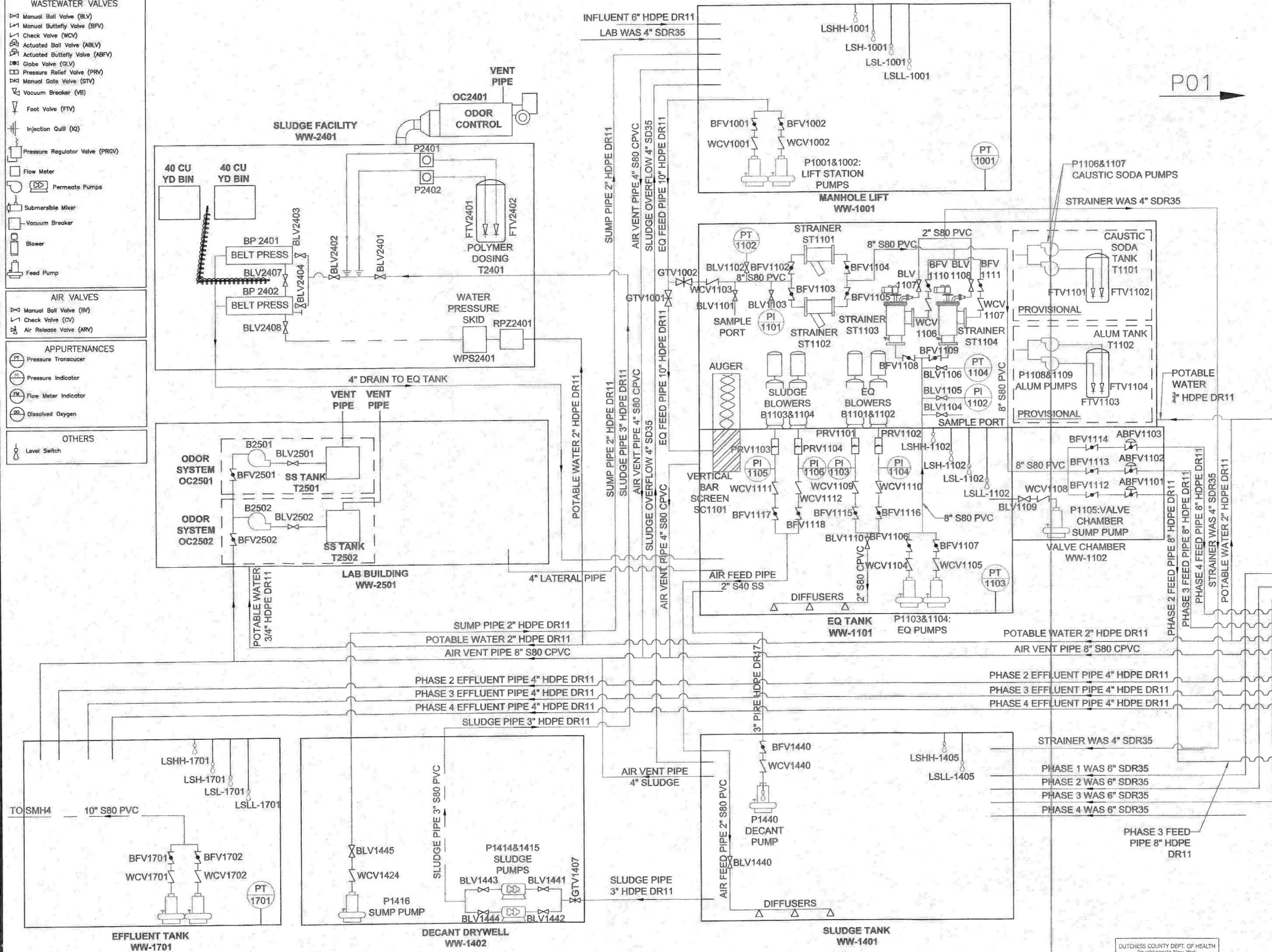
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Hudson Valley Office  
21 Fox Street  
Poughkeepsie, New York 12601  
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• Poughkeepsie, NY  
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• New York City, NY  
www.chazencompanies.com  
(888) 638-9073

| rev. | date    | description                         |
|------|---------|-------------------------------------|
| 2    | 7/2/21  | REVISED PER DCD01 AND DCWA COMMENTS |
| 1    | 4/18/21 | REVISED PER PLANNING BOARD COMMENTS |

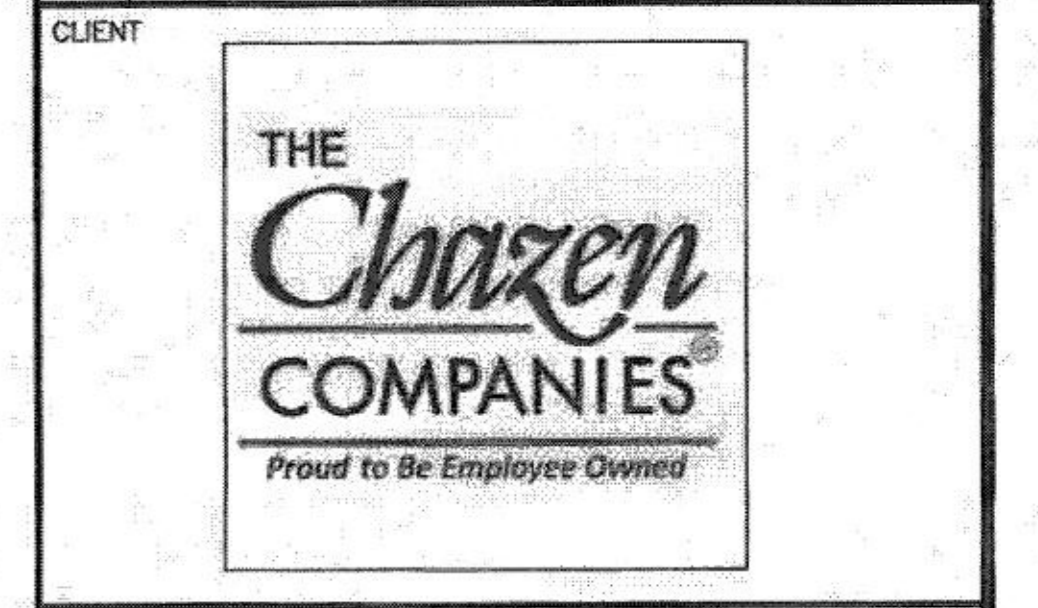
BELFIELD AT HISTORIC HYDE PARK  
**PROCESS FLOW DIAGRAM  
WWTP HEADWORKS**  
TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK

|                         |                 |
|-------------------------|-----------------|
| designed<br>TA          | checked<br>PB   |
| date<br>3/23/21         | scale<br>N.T.S. |
| project no.<br>81235.09 |                 |
| sheet no.<br><b>P04</b> |                 |

- WASTEWATER VALVES**
- Manual Ball Valve (BLV)
  - Manual Butterfly Valve (BFV)
  - Check Valve (WCV)
  - Actuated Ball Valve (ABLV)
  - Actuated Butterfly Valve (ABFV)
  - Globe Valve (GLV)
  - Pressure Relief Valve (PRV)
  - Manual Gate Valve (GTV)
  - Vacuum Breaker (VB)
  - Foot Valve (FV)
  - Injection Quill (IQ)
  - Pressure Regulator Valve (PROV)
  - Flow Meter
  - Permeate Pumps
  - Submersible Mixer
  - Vacuum Breaker
  - Blower
  - Feed Pump
- AIR VALVES**
- Manual Ball Valve (BV)
  - Check Valve (CV)
  - Air Release Valve (ARV)
- APPURTENANCES**
- Pressure Transducer
  - Pressure Indicator
  - Flow Meter Indicator
  - Dissolved Oxygen
- OTHERS**
- Level Switch



| No. | DESCRIPTION               | BY | DD/MM/YYYY | APP. |
|-----|---------------------------|----|------------|------|
| 0   | INITIAL DESIGN            | NT | 24/02/2022 | KH   |
| 1   | REVISED EFFLUENT LOCATION | NT | 01/03/2022 | KH   |



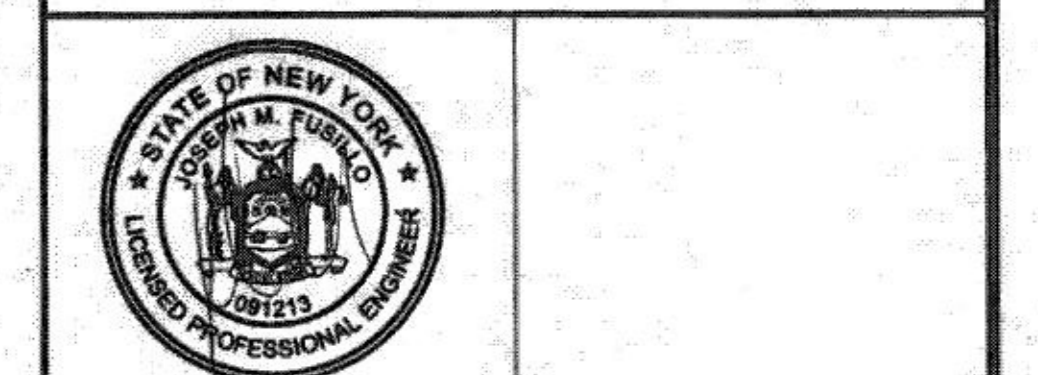
MUNICIPALITY  
**DUTCHESS COUNTY**

SHEET TITLE  
**PROCESS FLOW DIAGRAM-BELT PRESS**

LOCATION  
**TOWN OF HYDE PARK  
NEW YORK**

PROJECT TITLE  
**BELLEFIELD  
WWTP**

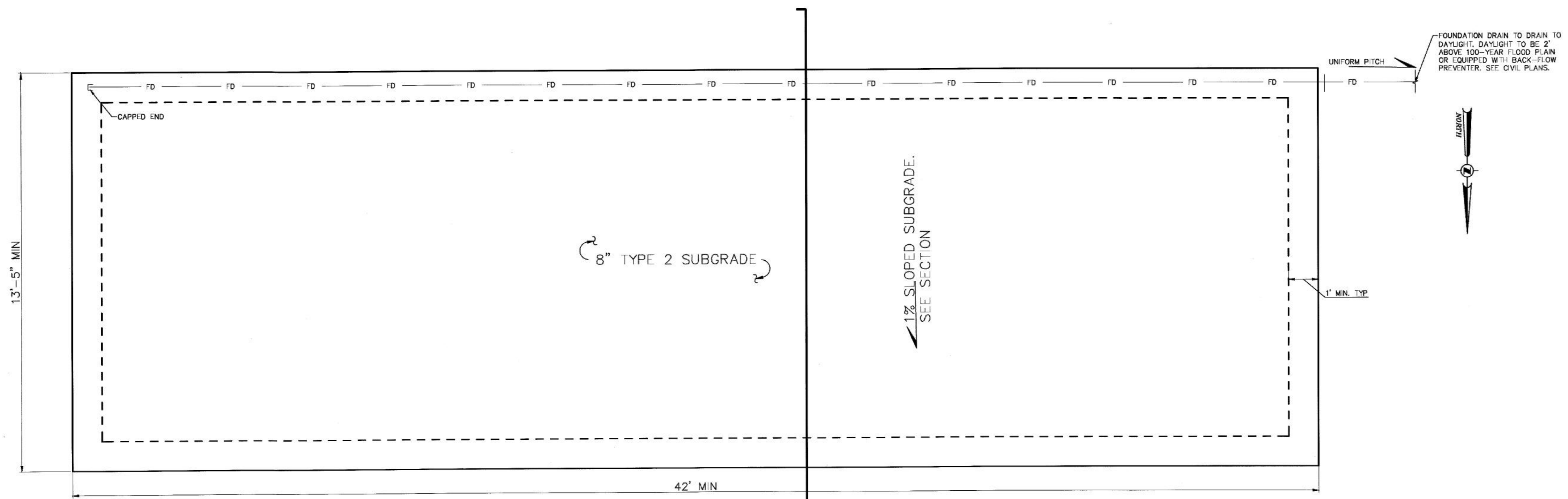
**STREAMGO**  
WATER SOLUTIONS INC  
400 JONES RD. UNIT 17  
STONE CREEK, ON  
L8E 5P4



|                         |                     |                  |
|-------------------------|---------------------|------------------|
| DESIGNED BY<br>KH       | DRAWN BY<br>TA      | CHECKED BY<br>KH |
| SCALE<br>N.T.S.         | DATE<br>Mar. 1 2022 |                  |
| PROJECT No.<br>BD19-003 | DWG. No.<br>P05     | REV.<br>01       |

DUTCHESS COUNTY DEPT. OF HEALTH  
Poughkeepsie New York  
These plans are approved,  
first sheet for date and signature.





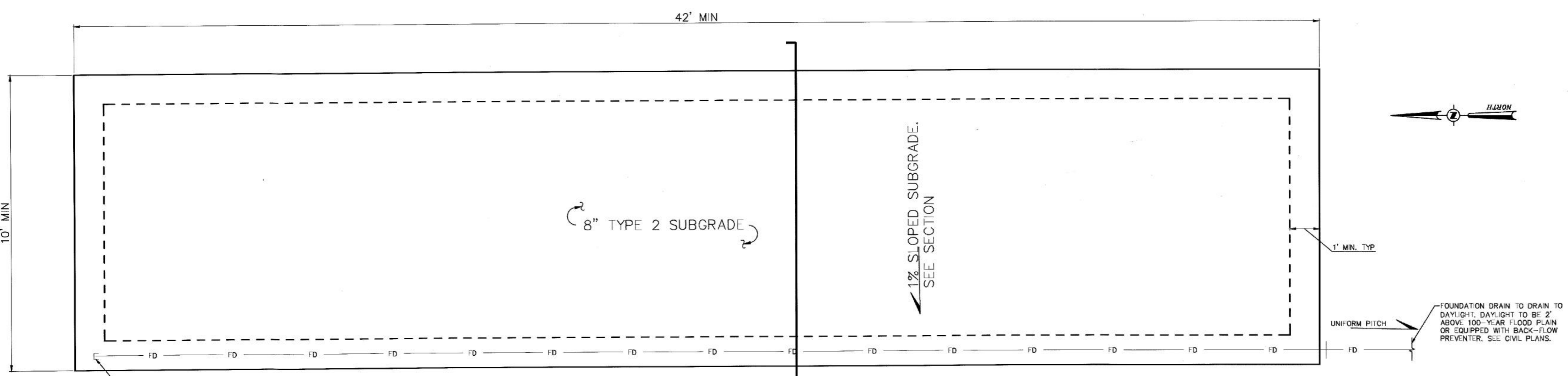
**LEGEND**

— EDGE OF STONE PAD.

- - - EDGE OF BUILDING

— FD — FOUNDATION DRAIN

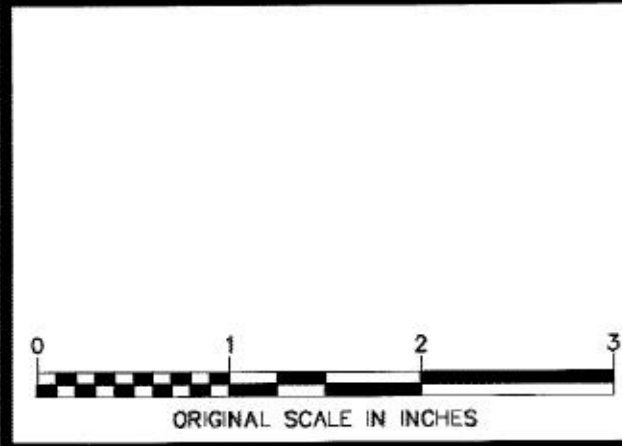
1 **MBR CONCEPT FOUNDATION PLAN**  
SCALE: 1/2" = 1'-0"



2 **LAB BUILDING CONCEPT FOUNDATION PLAN**  
SCALE: 1/2" = 1'-0"



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Phone: (615) 953-4909

| rev. | date    | description                        |
|------|---------|------------------------------------|
| 2    | 7/2/21  | REVISD PER DCCDH AND DCWMA COMMENT |
| 1    | 4/27/21 | REVISION 1 - GRAVEL PAD            |

**BELLEFIELD WASTEWATER TREATMENT PLANT**

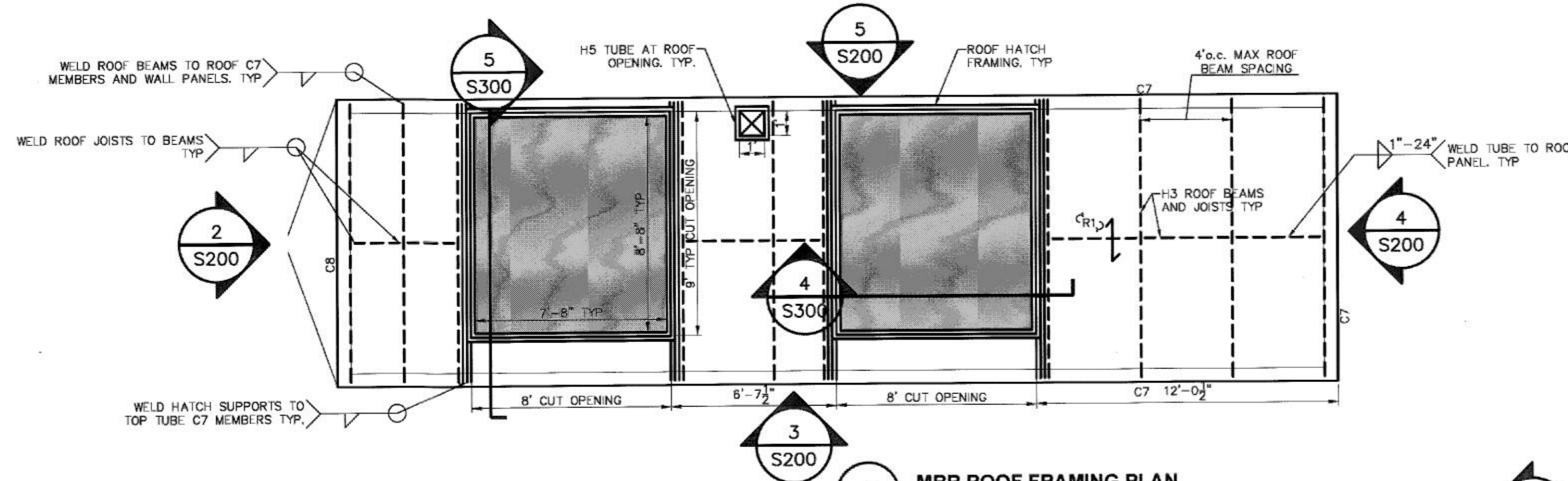
**TREATMENT BUILDING FOUNDATION PLAN**

HYDE PARK, DUTCHESS COUNTY, NEW YORK

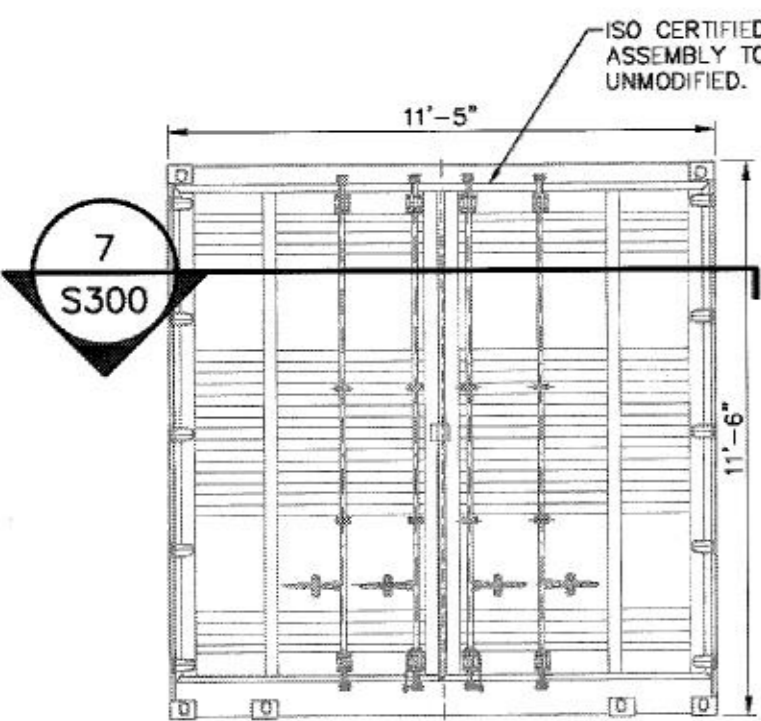
| designed    | checked  |
|-------------|----------|
| RS          | JL       |
| date        | scale    |
| 2/11/2021   | AS NOTED |
| project no. |          |
| 31960.00    |          |
| sheet no.   |          |
| <b>S100</b> |          |

**LEGEND**

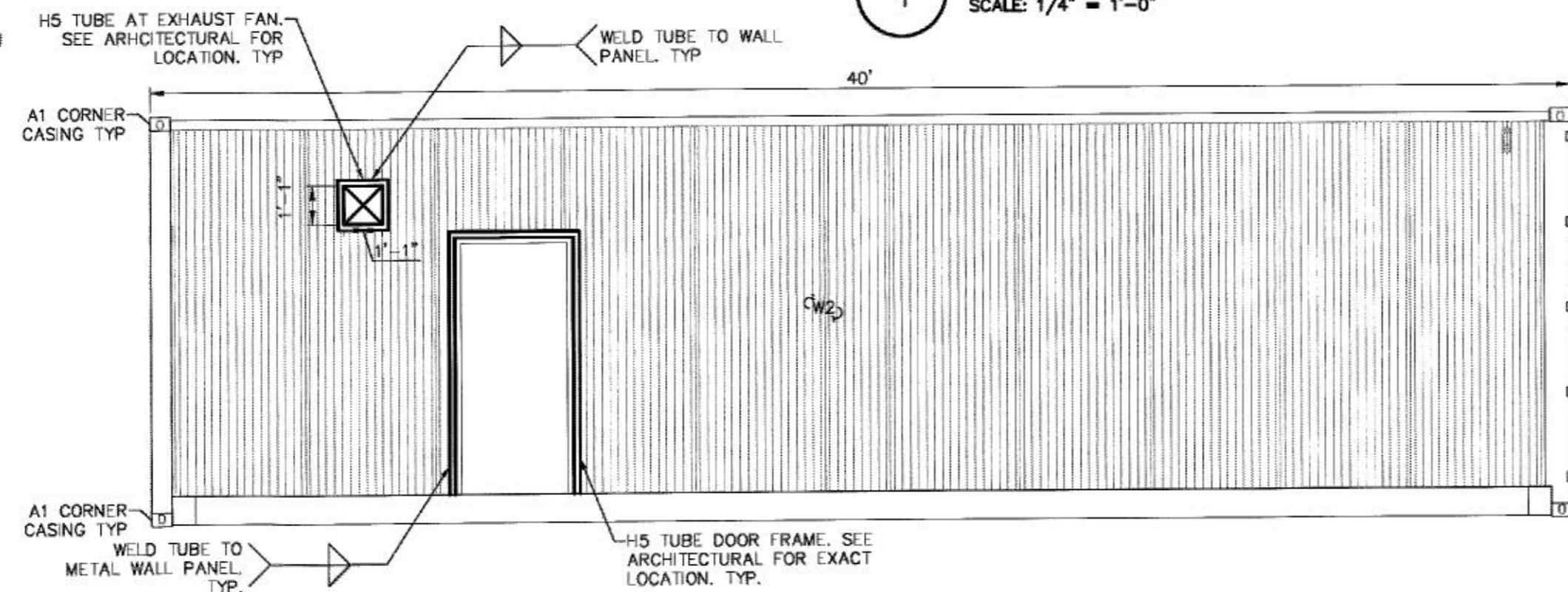
- DIRECTION OF CORRUGATED STEEL ROOF PANELING. SEE S600 FOR ADDITIONAL INFORMATION.
- EDGE OF INTERIOR FINISH BY OTHERS
- ROOF FRAMING MEMBER
- STEEL FRAMING AT OPENINGS
- EDGE OF ROOF FRAMING
- J1, W1, C6, ETC SEE S600 FOR STRUCTURAL MEMBER SCHEDULE INCLUDING GEOMETRY AND MATERIAL TYPE.
- ROOF HATCH



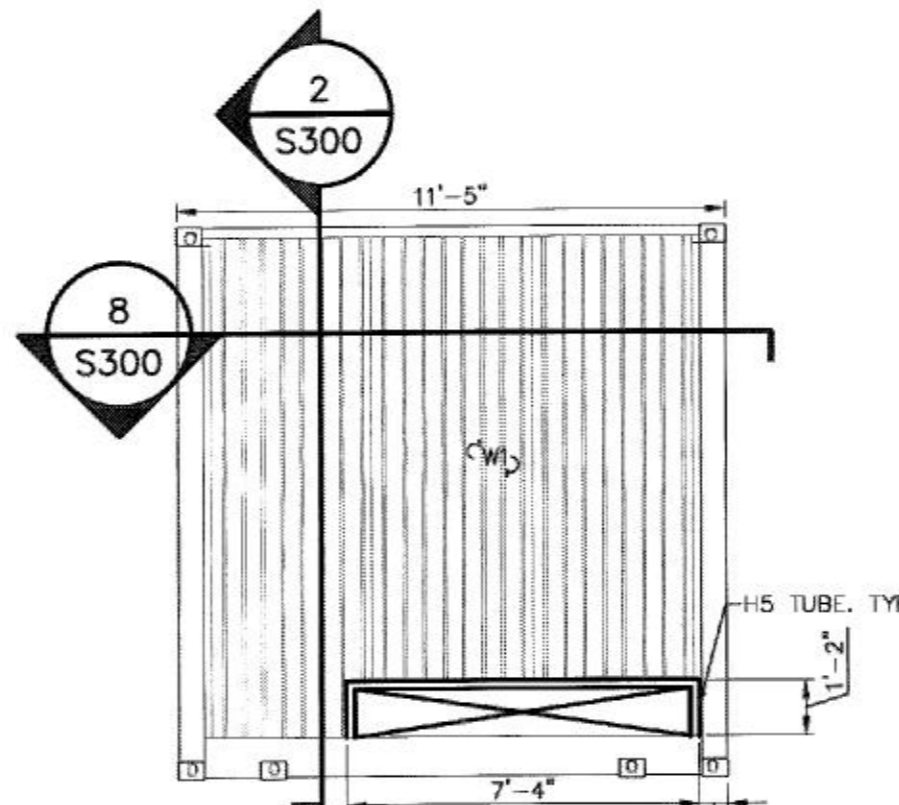
**1 MBR ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



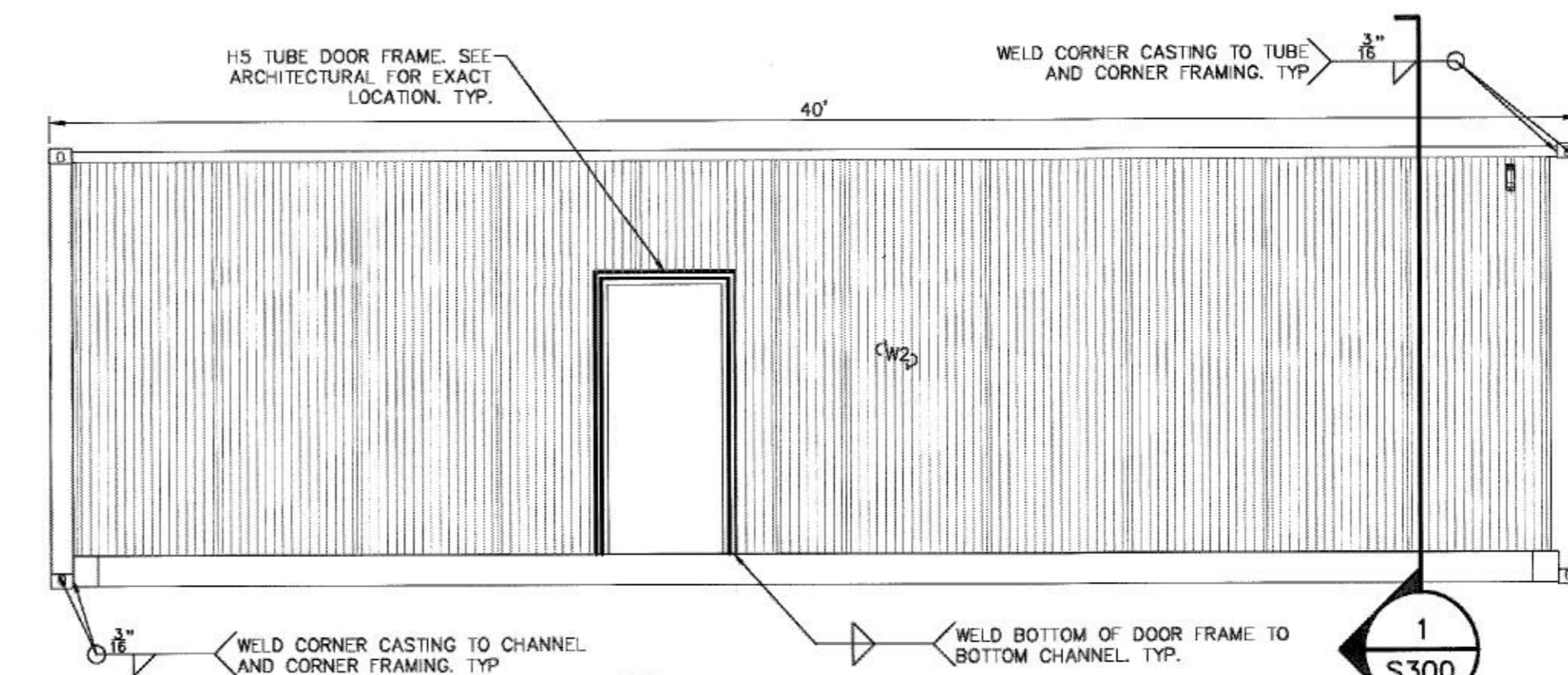
**2 MBR END ELEVATION**  
SCALE: 1/4" = 1'-0"



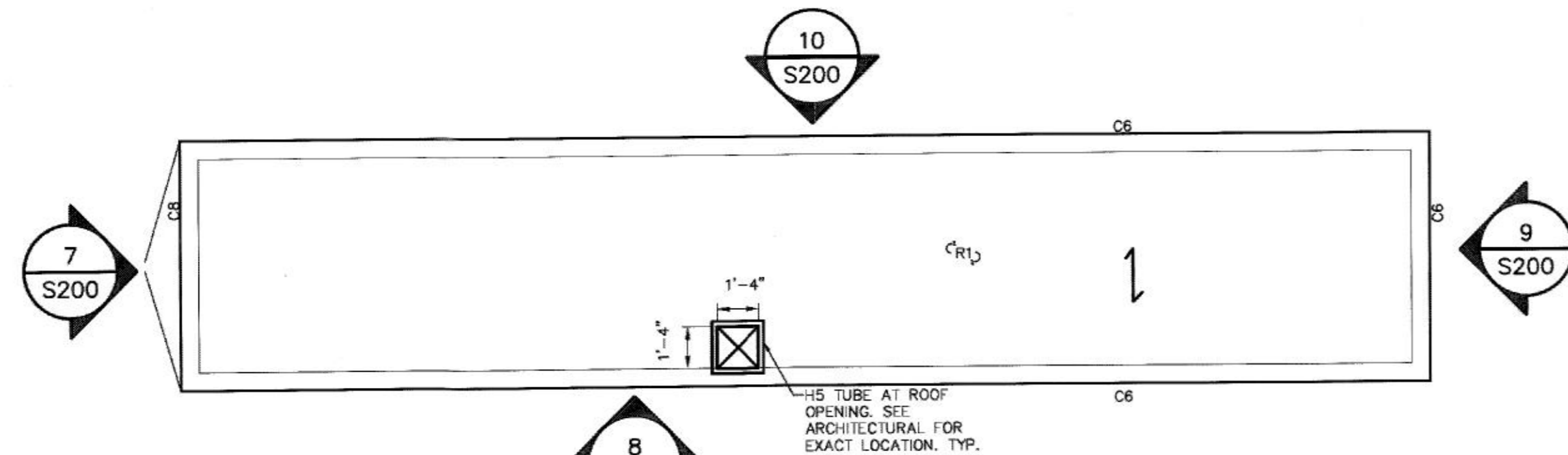
**3 MBR FRONT SIDE ELEVATION**  
SCALE: 1/4" = 1'-0"



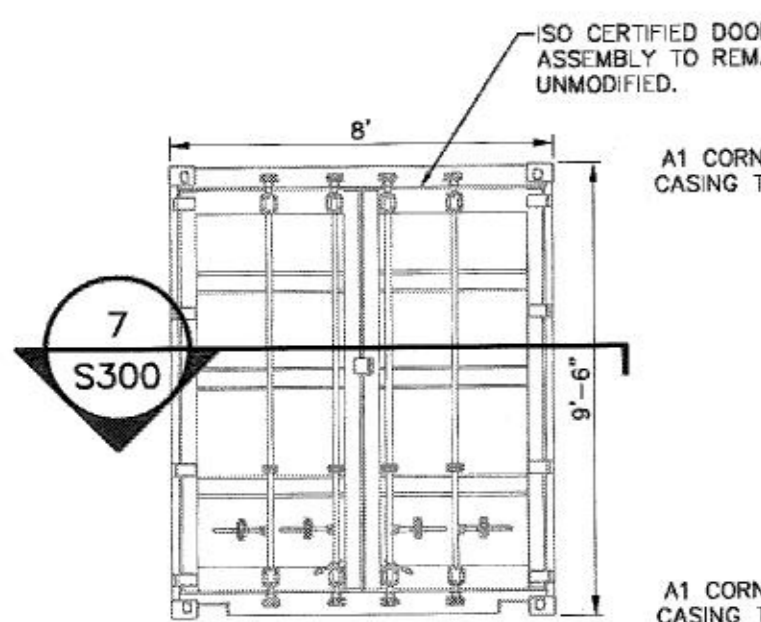
**4 MBR END ELEVATION**  
SCALE: 1/4" = 1'-0"



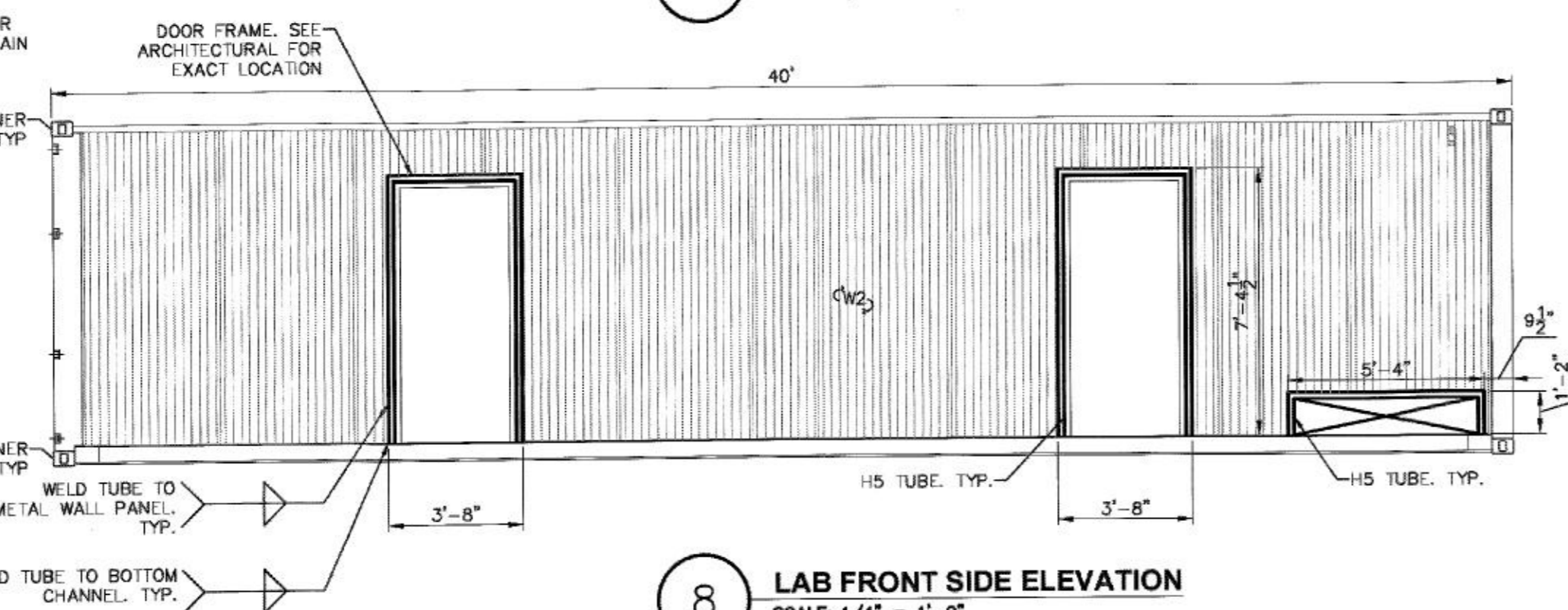
**5 MBR BACK SIDE ELEVATION**  
SCALE: 1/4" = 1'-0"



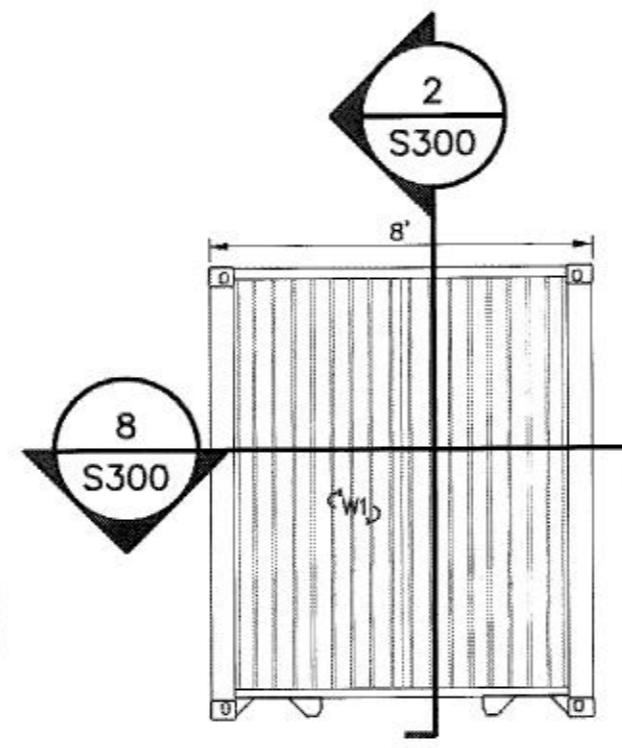
**6 LAB ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



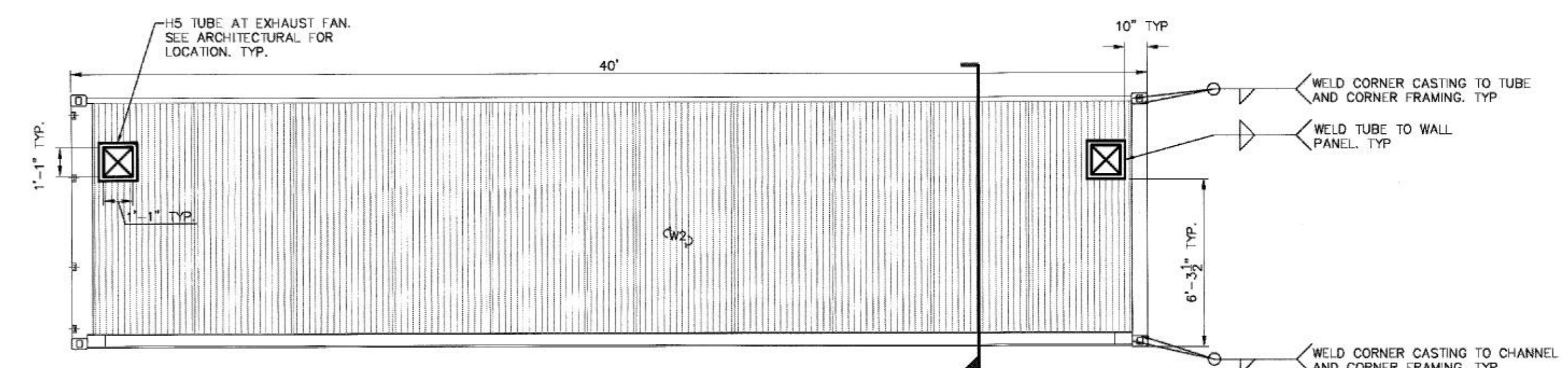
**7 LAB END ELEVATION**  
SCALE: 1/4" = 1'-0"



**8 LAB FRONT SIDE ELEVATION**  
SCALE: 1/4" = 1'-0"



**9 LAB END ELEVATION**  
SCALE: 1/4" = 1'-0"



**10 LAB BACK SIDE ELEVATION**  
SCALE: 1/4" = 1'-0"

DUTCHESS COUNTY DEPT. OF HEALTH  
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- Tennessee Office: 1705 Division Street, Nashville, Tennessee 37203, Phone: (615) 953-4909

**BELLEFIELD WASTEWATER TREATMENT PLANT**

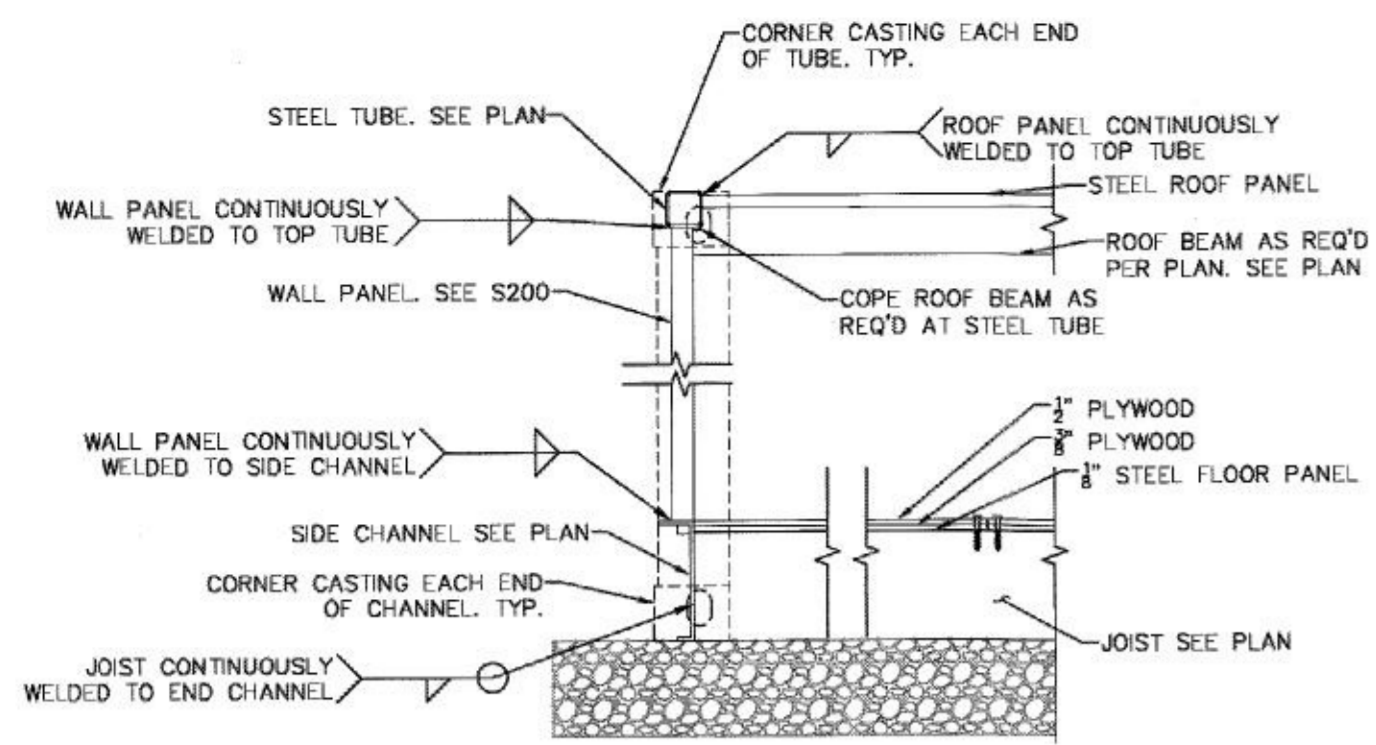
**EXTERIOR VIEWS**

HYDE PARK, DUTCHESS COUNTY, NEW YORK

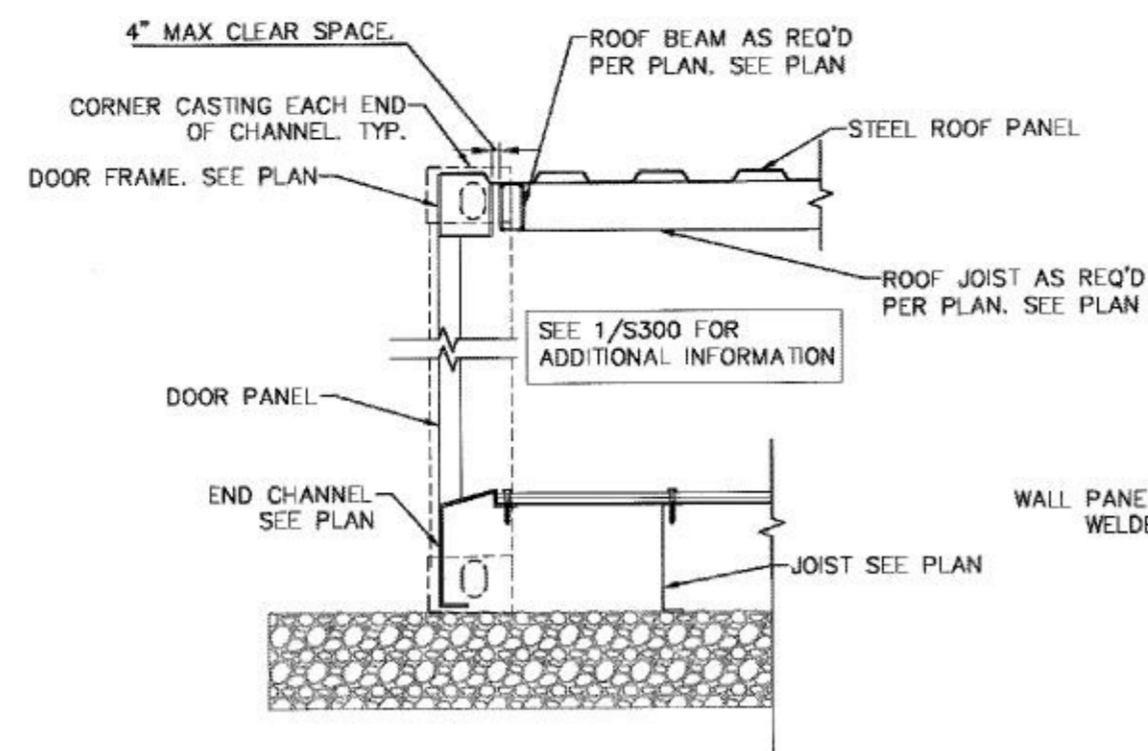
|             |          |
|-------------|----------|
| designed    | checked  |
| RNS         | JL       |
| dote        | scale    |
| 2/11/2021   | AS NOTED |
| project no. | 31960.00 |
| sheet no.   | S200     |

**LEGEND**

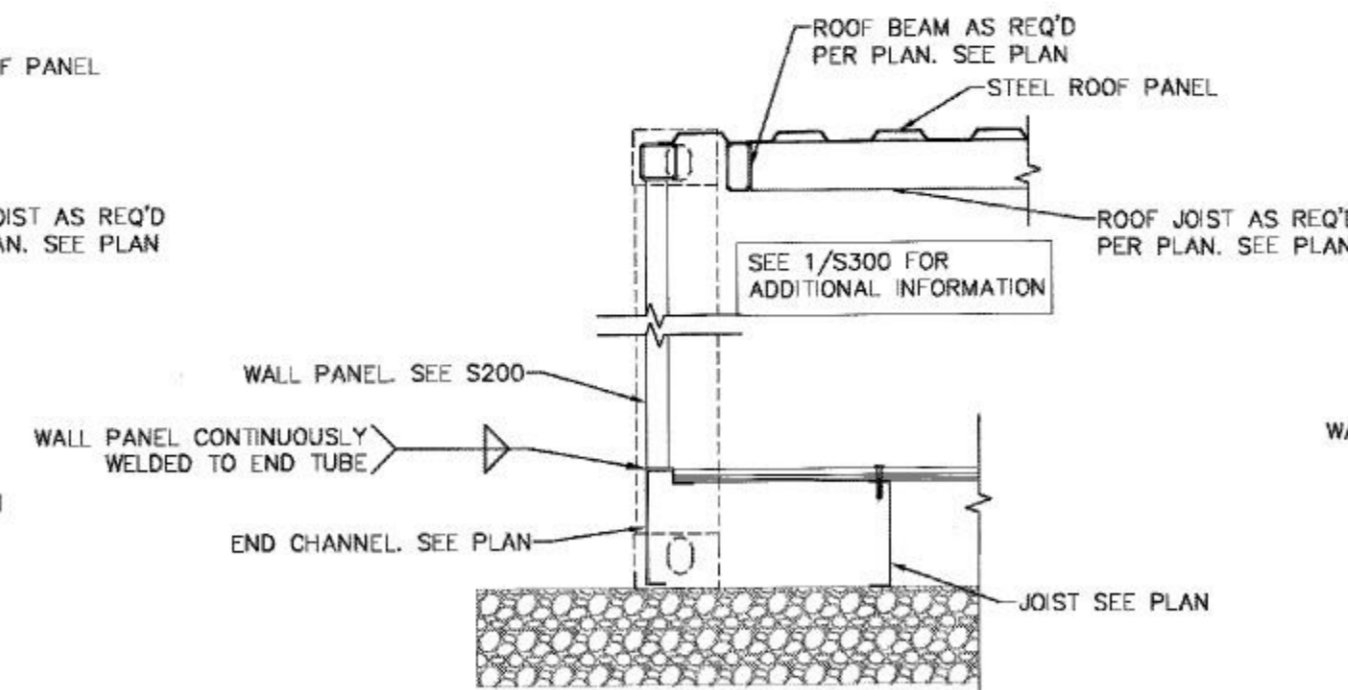
H1 SEE S600 FOR STRUCTURAL MEMBER SCHEDULE INCLUDING GEOMETRY AND MATERIAL TYPE.



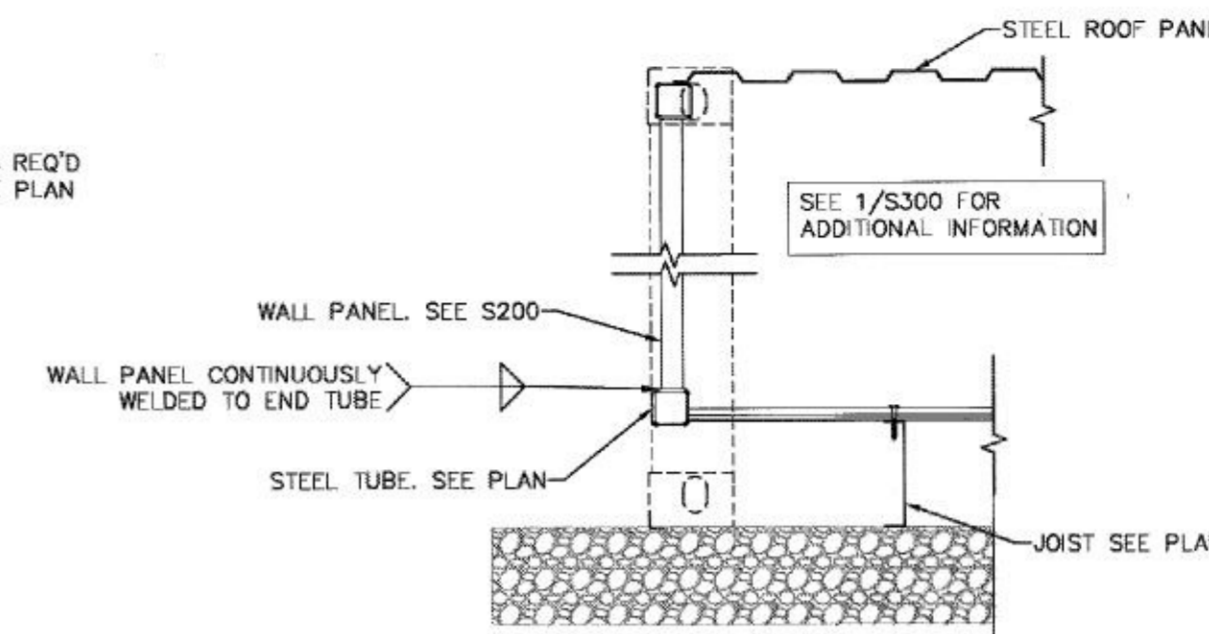
**1 SIDE WALL SECTION**  
SCALE: 3/4" = 1'-0"



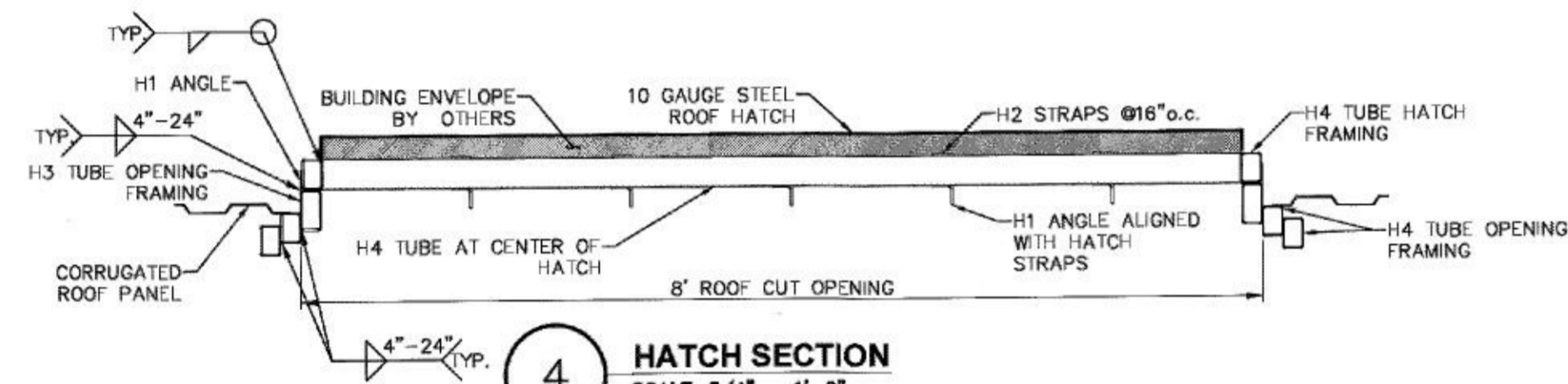
**2 DOOR END SECTION**  
SCALE: 3/4" = 1'-0"



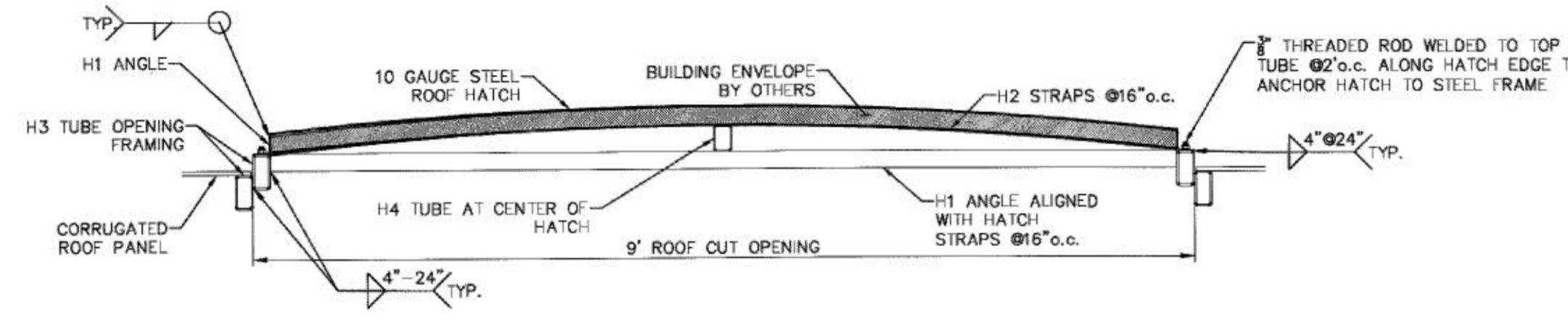
**3A END WALL MBR BUILDING SECTION**  
SCALE: 3/4" = 1'-0"



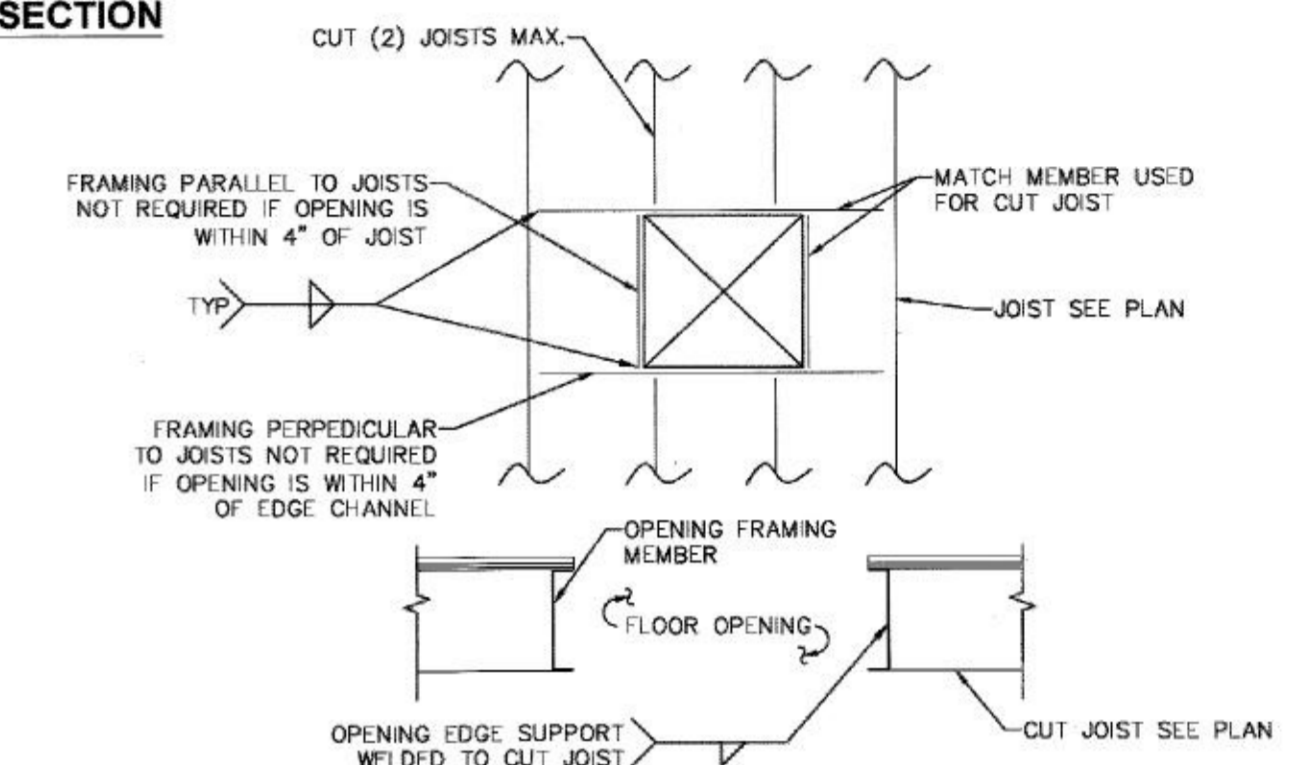
**3B END WALL LAB BUILDING SECTION**  
SCALE: 3/4" = 1'-0"



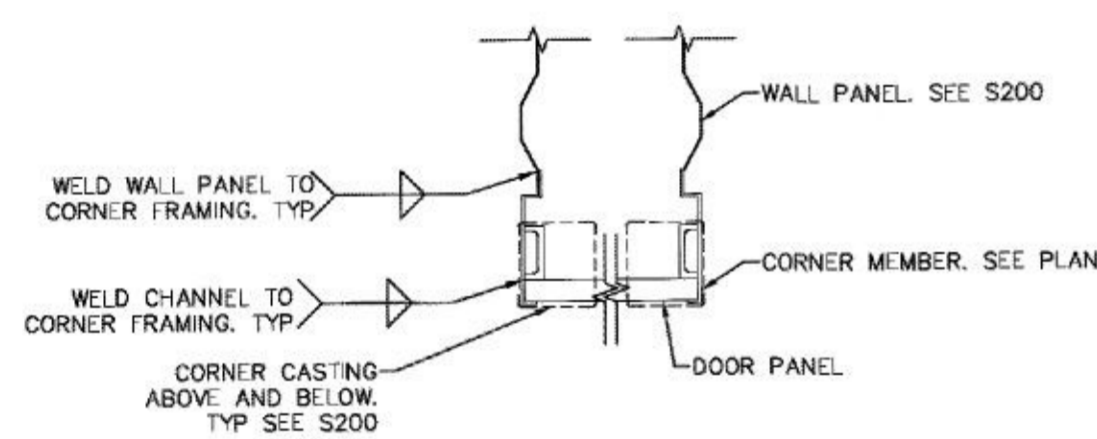
**4 HATCH SECTION**  
SCALE: 3/4" = 1'-0"



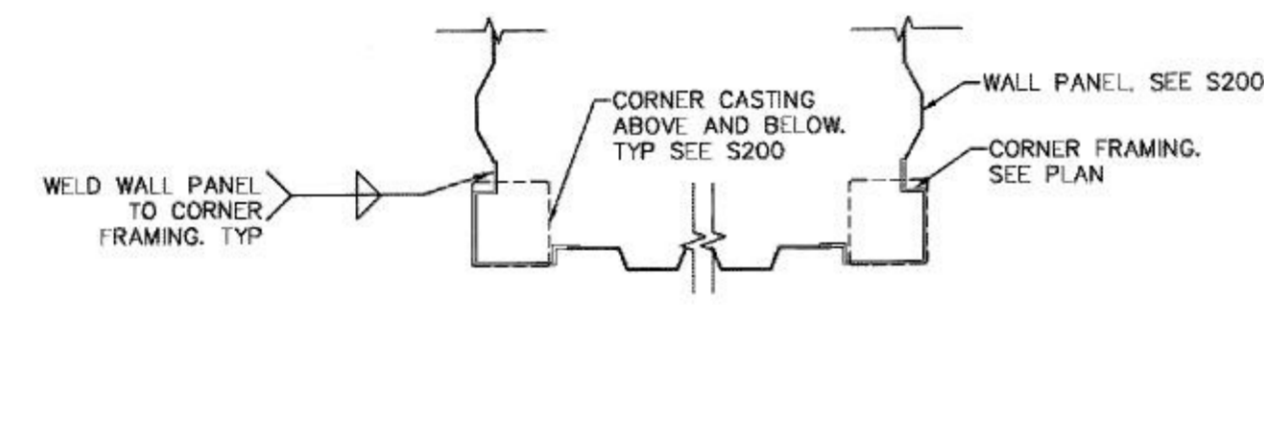
**5 HATCH SECTION**  
SCALE: 3/4" = 1'-0"



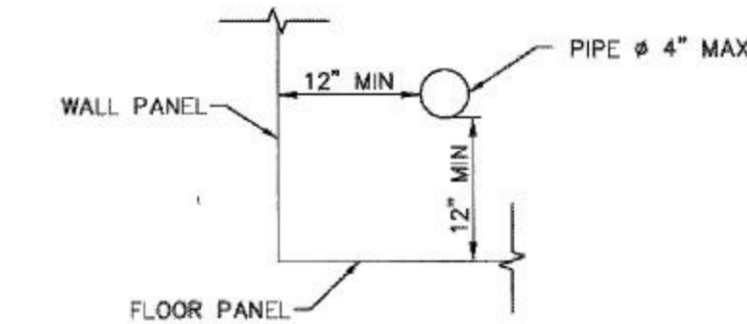
**6 TYPICAL FLOOR OPENING DETAIL**  
SCALE: NTS



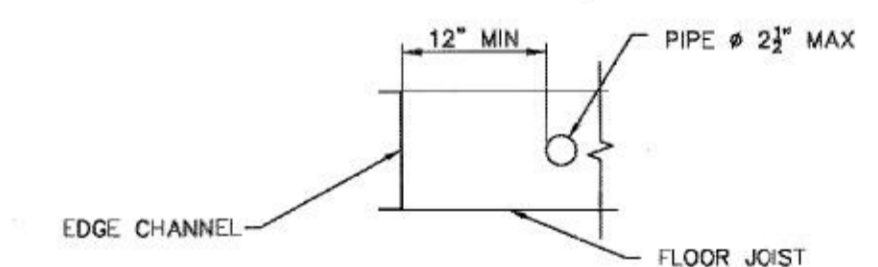
**7 TYPICAL CORNER SECTION**  
SCALE: NTS



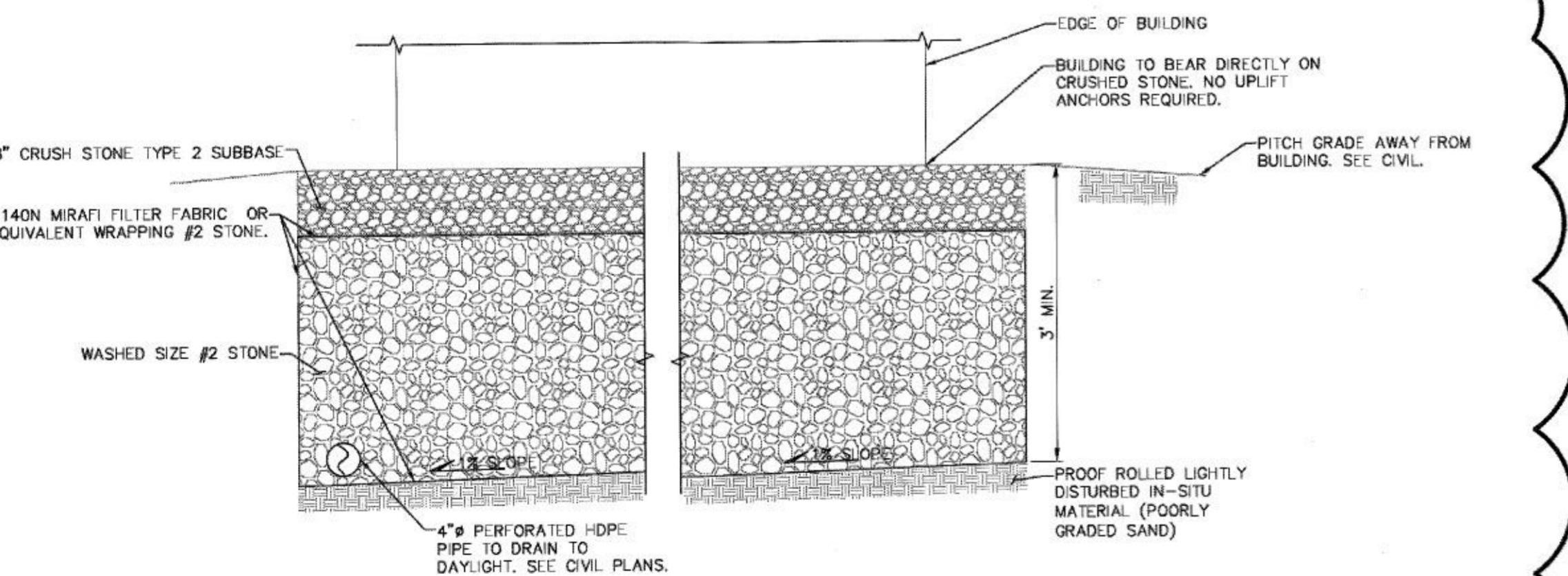
**8 TYPICAL CORNER SECTION**  
SCALE: NTS



**9 WALL PENETRATION DETAIL**  
SCALE: 3/4" = 1'-0"



**10 JOIST PENETRATION DETAIL**  
SCALE: 3/4" = 1'-0"



**11 FOUNDATION SECTION**  
SCALE: 3/4" = 1'-0"

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Environmental & Safety Professionals  
Landscape Architects  
Transportation Planners & Engineers

| REV. | DATE      | REVISION 1 - GRAVEL PAD | DESCRIPTION |
|------|-----------|-------------------------|-------------|
| 1    | 4/27/2021 |                         |             |

**BELLEFIELD WASTEWATER TREATMENT PLANT**

**SECTIONS**

HYDE PARK, DUTCHESS COUNTY, NEW YORK

| designed    | checked     |
|-------------|-------------|
| RNS         | JL          |
| date        | scale       |
| 2/11/2021   | AS NOTED    |
| project no. | 31960.00    |
| sheet no.   | <b>S300</b> |