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SITE DEVELOPMENT PLANS

FOR

DATABANK ORANGEBURG PHASE 2 (LGA-4)

2000 CORPORATE DRIVE

ORANGEBURG, NY 10962

DESIGN TEAM

CIVIL ENGINEER
KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C.
60 EAST 42ND STREET, SUITE 1730
NEW YORK, NY 10165
TEL: (914) 368-9200
CONTACT: DANIEL LOFRISCO, P.E.

LANDSCAPE ARCHITECT
KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C.
60 EAST 42ND STREET, SUITE 1730
NEW YORK, NY 10165
TEL: (914) 368-9200
CONTACT: MICHAEL BARNICLE, PLA

ARCHITECT
HIGHLAND ASSOCIATES
1 EAST 33RD STREET
NEW YORK, NY 10016
TEL: (212) 681-0200
CONTACT: PAUL LEBLOND

SURVEYOR
INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 GARRETT PLACE
CARMEL, NY 10512
TEL: (845) 225-9690
CONTACT: JEFFREY B. DEROSA, LS

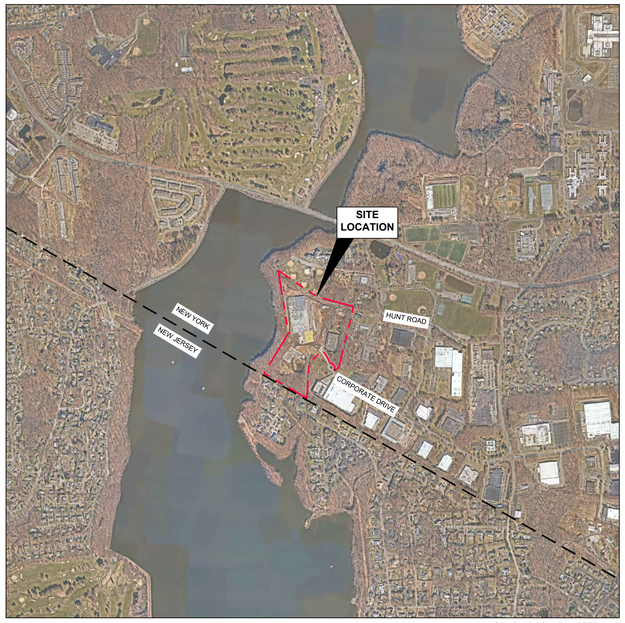
PROPERTY INFORMATION

OWNER AND APPLICANT
DATABANK
3110 N CENTRAL AVENUE, SUITE B-75
PHOENIX, AZ 85012
TEL: (347) 873-1480
CONTACT: TONY QORRI

RECORD OWNER

TAX MAP
SECTION: 73.15
BLOCK: 1
LOT: 19

DISTRICTS
ZONING: LIO - LIGHT INDUSTRIAL-OFFICE DISTRICT
SCHOOL: PEARL RIVER
FIRE: PEARL RIVER
WATER: VEOLIA NEW YORK
LIGHTING: TOWN OF ORANGETOWN
SEWER: TOWN OF ORANGETOWN



SITE LOCATION MAP
SOURCE: NEARMAPS

NORTH

GRAPHIC SCALE IN FEET
0 500 1000 2000

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*PLANSHEETS ARE IN COLOR AND ONLY VALID WHEN PRINTED IN COLOR.

THIS SITE PLAN HAS BEEN APPROVED BY THE TOWN OF ORANGETOWN PLANNING BOARD, ROCKLAND COUNTY, NEW YORK.

_____ _____
DATE

BOARD CHAIRMAN

811 DIG ALERT

Know what's BELOW.
CALL before you dig.

CALL AT LEAST TWO WORKING DAYS BEFORE YOU DIG

THE EXACT LOCATION OF UTILITIES SHOWN IN THIS PLAN SET ARE UNKNOWN. THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) BY CALLING 811 AT LEAST 2 WORKING DAYS PRIOR TO STARTING ANY EXCAVATION.

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn
New York
© 2026 KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C.
1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FRISCO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

COVER SHEET

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-0.0

Saved Thursday, January 29, 2026 10:38:23 AM KITTY.CHEN Plotted Thursday, January 29, 2026 12:24:03 PM Chen, Kitty

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GENERAL CONSTRUCTION NOTES

1. NO WORK CAN BEGIN WITHOUT PERMIT IN HAND. PERMIT ISSUED UPON MEETING CONDITIONS OF PLANNING BOARD APPROVALS OBTAINED, FINAL SITE PLAN IS STAMPED, AND CONSTRUCTION PLANS ARE APPROVED BY BUILDING INSPECTOR.

2. THE CONTRACTOR AND SUBCONTRACTORS SHOULD BE FAMILIAR WITH ALL STATE AND LOCAL REQUIREMENTS RELATED TO SITE CONSTRUCTION ACTIVITIES PRIOR TO COMMENCING WORK. ALL WORK SHALL CONFORM AS APPLICABLE TO THESE GOVERNING STANDARDS AND SPECIFICATIONS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.

4. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

5. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY AND ALL CONSTRUCTION ON OR NEAR EXISTING AND PROPOSED SANITARY SEWER FACILITIES.

6. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.

7. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. AN APPROXIMATE LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.

9. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS PRIOR TO CONSTRUCTION.

10. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.

11. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.

12. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ANY AND ALL CHANGES RELATED TO FIELD CONDITIONS, INCLUDING AREAS OF ROCK EXCAVATION. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL FILE WITH THE OWNER A COMPLETE SET OF "AS CONSTRUCTED" DRAWINGS PREPARED BY A NYS LICENSED LAND SURVEYOR SHOWING AND LOCATING ALL FEATURES OF THE WORK AS INSTALLED.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF NEW YORK DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF NEW YORK PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

15. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE OWNER WITHIN 24 HOURS AFTER DISCOVERY IS MADE.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

17. ANY EXISTING UTILITY, WHICH IS TO BE EXTENDED, WHICH IS THE CONNECTION POINT FOR NEW UNDERGROUND UTILITIES, OR WHICH NEW FACILITIES CROSS, SHALL BE EXPOSED BY THE CONTRACTOR PRIOR TO PLACEMENT OF THE NEW UTILITIES. COST OF SUCH EXCAVATION AND SUBSEQUENT BACKFILL SHALL BE INCLUDED IN THE PRICES PAID FOR THE VARIOUS ITEMS OF WORK. THE ELEVATIONS AND LOCATIONS OF THE EXISTING FACILITIES WILL BE CHECKED BY THE PUBLIC WORKS INSPECTOR AND THE ENGINEER. IF IN THE OPINION OF THE INSPECTOR A CONFLICT EXISTS, THEN THE ENGINEER SHALL MAKE ANY NEEDED GRADE AND/ OR ALIGNMENT ADJUSTMENTS AND REVISE THE PLANS ACCORDINGLY. ALL GRAVITY FLOW PIPELINES TO BE LAID UPGRADE FROM THE LOWEST POINT STARTING AT THE END OF EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO BACKFILLING OF ANY PIPE WHICH STUBS TO A FUTURE PHASE OF CONSTRUCTION FOR INVERT VERIFICATION. TOLERANCE SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS.

18. WORK OF THIS CONTRACT IS TO INCLUDE, BUT NOT LIMITED TO, DEMOLITION OF EXISTING BUILDING FOUNDATIONS AND OLD UTILITY SYSTEMS, SITE IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, UTILITIES, UTILITY STRUCTURES, ASPHALT AND CONCRETE PAVEMENT. CONCRETE PAVERS. CONCRETE AND GRANITE CURBING, DRIVEWAY APRONS, CONCRETE AND ASPHALT RAMPS, SIDEWALKS. FENCING, RAILINGS, SIGNAGE, SITE LIGHTING, RETAINING WALLS AND MISCELLANEOUS STRUCTURES.

19. HOURS OF CONSTRUCTION ACTIVITY MUST COMPLY WITH THE TOWN OF ORANGETOWN CODE.

20. PRIOR STARTING CONSTRUCTION ALL ACTIVE UTILITIES SHOULD BE IDENTIFIED, MARKED OUT IN THE FIELD, AND SECURED AS NECESSARY.

16. CONTRACTOR IS ALSO TO FAMILIARIZE HIMSELF WITH THE SUBSURFACE EXPLORATIONS AND GEOTECHNICAL REPORTS APPLICABLE TO THE PROJECT. ASSUMED PROVIDED BY OTHERS.

17. INFORMATION GIVEN IN THE SUBSURFACE EXPLORATIONS AND GEOTECHNICAL ENGINEERING REPORTS WAS OBTAINED FOR USE BY THE OWNER IN EXECUTION OF DESIGN. THE SUBSURFACE CONDITIONS DESCRIBED IN THE REPORTS ARE NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF ACCURACY. THE SUBSURFACE STRATIGRAPHY SHOWN IN THE REPORTS ARE BASED ON NECESSARY INTERPOLATIONS BETWEEN BORINGS AND MAY OR MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS. THE OWNER WILL NOT BE RESPONSIBLE FOR INTERPRETATIONS OR CONCLUSIONS MADE FROM THE DATA IN THE REPORTS BY THE CONTRACTOR.

18. CONDUCT A PRE-CONSTRUCTION CONFERENCE AT THE PROJECT SITE A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO COMMENCING ANY WORK OF THIS CONTRACT. THE MEETING WILL BE ARRANGED BY THE OWNER UPON NOTIFICATION OF THE CONTRACTOR AND IS TO BE ATTENDED BY REPRESENTATIVES OF THE CONTRACTOR, OWNER, CONSTRUCTION MANAGER, GEOTECHNICAL ENGINEER, SITE/CIVIL ENGINEER AND REPRESENTATIVES OF THE TOWN OF ORANGETOWN.

19. ADJOINING PROPERTY OWNERS WILL CONTINUE TO OCCUPY THEIR FACILITIES IMMEDIATELY ADJACENT TO THE PROJECT SITE AND DEMOLITION AREAS. THUS, THE CONTRACTOR MUST CONDUCT HIS OPERATIONS IN SUCH A MANNER AND MAKE ANY ARRANGEMENTS NECESSARY SO THAT THE ADJOINING PROPERTY OWNER'S USE OF THEIR FACILITIES WILL NOT BE DISRUPTED DURING THE COURSE OF THE WORK.

20. PROVIDE NOT LESS THAN SEVENTY-TWO (72) HOURS' NOTICE TO THE OWNER AND ADJACENT PROPERTY OWNERS OF ACTIVITIES THAT WILL AFFECT THEIR RESPECTIVE USE OF THEIR PROPERTY.

21. MAINTAIN ACCESS TO EXISTING WALKWAYS, EXITS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.

22. DO NOT CLOSE OR OBSTRUCT WALKWAYS, EXITS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION OR THE AFFECTED PROPERTY OWNER.

23. IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE CONDUCT OF THE WORK. HOWEVER, IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED. DO NOT DISTURB AND IMMEDIATELY NOTIFY THE OWNER AND CONSTRUCTION MANAGER. HAZARDOUS MATERIALS WILL BE REMOVED BY THE OWNER AND/OR CONTRACTOR UNDER A SEPARATE CONTRACT.

24. REVIEW PROJECT RECORD DOCUMENTS OF EXISTING CONSTRUCTION PROVIDED BY OWNER. OWNER DOES NOT GUARANTEE THAT EXISTING CONDITIONS ARE SAME AS THOSE INDICATED IN PROJECT RECORD DOCUMENTS.

25. THE CONTRACTOR IS RESPONSIBLE FOR ENGAGING A PROFESSIONAL ENGINEER TO PERFORM AN ENGINEERING SURVEY OF THE CONDITION OF ANY REMAINING BUILDING STRUCTURE OR FOUNDATION SYSTEM TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THAT STRUCTURE OR ADJACENT STRUCTURES DURING DEMOLITION OPERATIONS.

26. PROVIDE AND MAINTAIN INTERIOR AND EXTERIOR SHORING, BRACING, OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND PREVENT UNEXPECTED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.

27. EXISTING UTILITIES: MAINTAIN ACTIVE UTILITY SERVICES INDICATED TO REMAIN AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.

28. DO NOT INTERRUPT EXISTING UTILITIES SERVING BOTH ON SITE AND OFF SITE ADJACENT OCCUPIED OR OPERATING FACILITIES UNLESS AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.

29. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO AUTHORITIES HAVING JURISDICTION.

30. PROVIDE AT LEAST SEVENTY-TWO (72) HOURS' NOTICE TO OWNER IF SHUTDOWN OF SERVICE IS REQUIRED DURING CHANGEOVER.

31. TEMPORARY PROTECTION: ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, RAILINGS, CANOPIES, AND COVERED PASSAGEWAYS, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION AND AS INDICATED.

32. PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES, AND LANDSCAPING TO REMAIN.

33. PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.

34. PROVIDE PROTECTION TO ENSURE SAFE PASSAGE OF PEOPLE AROUND BUILDING DEMOLITION AREA AND TO AND FROM OCCUPIED PORTIONS OF ADJACENT BUILDINGS AND STRUCTURES.

35. PROTECT WALLS, WINDOWS, ROOFS, AND OTHER ADJACENT EXTERIOR CONSTRUCTION THAT ARE TO REMAIN AND THAT ARE EXPOSED TO BUILDING DEMOLITION OPERATIONS OR OTHER CONSTRUCTION ACTIVITY.

36. GENERAL: DEMOLISH ALL ITEMS, AS EITHER INDICATED ON THE PLANS OR ENCOUNTERED IN THE FIELD DURING THE WORK, COMPLETELY. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:

37. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. MAINTAIN FIRE WATCH AND PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.

38. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.

39. LOCATE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND OTHER MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING OF ADJOINING STRUCTURES.

40. ENGINEERING SURVEYS: PERFORM SURVEYS AS THE WORK PROGRESSES TO DETECT HAZARDS THAT MAY RESULT FROM BUILDING DEMOLITION ACTIVITIES.

41. SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.

42. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, WALKWAYS. OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY AUTHORITIES HAVING JURISDICTION.

43. USE WATER MIST AND OTHER SUITABLE METHODS TO LIMIT SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL-PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE ADJACENT CONSTRUCTION OR CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING, AND POLLUTION.

44. REMOVE STRUCTURES AND OTHER SITE IMPROVEMENTS INTACT WHEN PERMITTED BY AUTHORITIES HAVING JURISDICTION.

45. CONCRETE: CUT CONCRETE FULL DEPTH AT JUNCTURES WITH CONSTRUCTION INDICATED TO REMAIN, USING POWER-DRIVEN SAW, THEN REMOVE CONCRETE BETWEEN SAW CUTS.

46. MASONRY: CUT MASONRY AT JUNCTURES WITH CONSTRUCTION INDICATED TO REMAIN, USING POWER-DRIVEN SAW, THEN REMOVE MASONRY BETWEEN SAW CUTS.

47. CONCRETE SLABS-ON-GRADE: SAW-CUT PERIMETER OF AREA TO BE DEMOLISHED AT JUNCTURES WITH CONSTRUCTION INDICATED TO REMAIN, THEN BREAK UP AND REMOVE.

48. EQUIPMENT: DISCONNECT EQUIPMENT AT NEAREST FITTING CONNECTION TO SERVICES, COMPLETE WITH SERVICE VALVES. REMOVE AS WHOLE UNITS, COMPLETE WITH CONTROLS.

49. BELOW-GRADE CONSTRUCTION: DEMOLISH EXISTING FOUNDATIONS AND FOOTINGS, FOUNDATION WALLS, WALLS, SLABS AND OTHER BELOW-GRADE CONSTRUCTION THAT IS WITHIN TEN (10) FEET OUTSIDE OF FOOTPRINT INDICATED FOR NEW CONSTRUCTION. ABANDON BELOW-GRADE CONSTRUCTION OUTSIDE THIS AREA.

50. REMOVE BELOW-GRADE CONSTRUCTION TO DEPTHS INDICATED ON THE PLANS.

51. EXISTING BELOW GRADE CONSTRUCTION SHOULD BE REMOVED ENTIRELY FROM BELOW PROPOSED FOUNDATIONS AND THEIR ZONES OF INFLUENCE (IF DETERMINED BY LINES EXTENDING AT LEAST ONE (1) FOOT LATERALLY BEYOND FOOTING EDGES FOR EACH VERTICAL FOOT OF DEPTH) AND EXCAVATED TO AT LEAST TWO (2) FEET BELOW PROPOSED CONSTRUCTION SUBGRADE LEVELS ELSEWHERE.

52. FOUNDATION AND SLABS MAY REMAIN IN PLACE BELOW THESE DEPTHS BELOW GROUND SUPPORTED SLABS, PAVEMENTS AND LANDSCAPED AREAS, PROVIDED THEY ARE APPROVED BY THE GEOTECHNICAL ENGINEER AND DO NOT INTERFERE WITH FUTURE CONSTRUCTION (INCLUDING UTILITIES); HOWEVER, IF EXISTING SLAB OR STRUCTURE TO REMAIN SHOULD BE THOROUGHLY BROKEN TO ALLOW VERTICAL DRAINAGE OF INFILTRATING WATER.

53. EXISTING UTILITIES: ABANDON EXISTING UTILITIES AND BELOW-GRADE UTILITY STRUCTURES. CUT UTILITIES FLUSH WITH GRADE.

54. EXISTING UTILITIES: DEMOLISH EXISTING UTILITIES AND BELOW-GRADE UTILITY STRUCTURES THAT ARE WITHIN TEN (10) FEET OUTSIDE OF FOOTPRINT INDICATED FOR NEW CONSTRUCTION. ABANDON UTILITIES OUTSIDE THIS AREA.

55. FILL ABANDONED UTILITY STRUCTURES AND PIPING WITH EITHER LEAN CONCRETE OR SATISFACTORY SOIL MATERIALS APPROVED BY THE OWNER OR GEOTECHNICAL ENGINEER.

56. EXISTING UTILITIES: DEMOLISH AND REMOVE EXISTING UTILITIES AND BELOW-GRADE UTILITY STRUCTURES.

57. SITE DRAINAGE: SITE SOILS MAY SOFTEN WHEN EXPOSED TO WATER, EVERY EFFORT MUST BE MADE TO MAINTAIN DRAINAGE OF SURFACE WATER RUNOFF AWAY FROM CONSTRUCTION AREAS AND OPEN EXCAVATIONS BY GRADING AND LIMITING THE EXPOSURE OF EXCAVATIONS AND PREPARED SUBGRADES TO RAINFALL.

58. BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM BUILDING DEMOLITION OPERATIONS WITH SATISFACTORY SOIL MATERIALS APPROVED BY THE OWNER AND/OR GEOTECHNICAL ENGINEER.

59. SITE GRADING: UNIFORMLY ROUGH GRADE AREA OF DEMOLISHED CONSTRUCTION TO A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.

60. SEPARATE RECYCLABLE DEMOLISHED MATERIALS FROM OTHER DEMOLISHED MATERIALS TO THE MAXIMUM EXTENT POSSIBLE. SEPARATE RECYCLABLE MATERIALS BY TYPE.

61. PROVIDE CONTAINERS OR OTHER STORAGE METHOD APPROVED BY ARCHITECT FOR CONTROLLING RECYCLABLE MATERIALS UNTIL THEY ARE REMOVED FROM PROJECT SITE.

62. STOCKPILE PROCESSED MATERIALS ON-SITE WITHOUT INTERMIXING WITH OTHER MATERIALS. PLACE, GRADE, AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST.

63. STOCKPILE MATERIALS IN DESIGNATED AREAS SHOWN ON THE PLANS OR AS APPROVED IN THE FIELD BY THE OWNER OR CONSTRUCTION MANAGER.

64. IF RECYCLABLE MATERIAL CANNOT BE USED ON-SITE, THE CONTRACTOR SHALL TRANSPORT THE RECYCLABLE MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH THE SWPPP.

65. DEMOLITION MATERIAL FREE OF ENVIRONMENTAL CONCERNS, AND APPROVED BY NYSDEC, MAY BE USED AS FILL MATERIAL, PROVIDED THE MATERIAL IS PROPERLY SEGREGATED AND PROCESSED AS FOLLOWS AND APPROVED FOR REUSE ON THE SITE BY THE GEOTECHNICAL ENGINEER:

65.1. CONCRETE MASONRY MATERIALS SHOULD BE CRUSHED TO A WELL GRADED BLEND WITH A MAXIMUM SIZE OF THREE (3) INCHES IN DIAMETER, PER EARTHWORK SPECIFICATIONS.

65.2. MILLED OR RECYCLED ASPHALT PAVEMENT (RAP) MAY BE REUSED AS GRANULAR BASE MATERIAL FOR PAVEMENTS, PROVIDED THAT THE RAP PARTICLE SIZE MEETS THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR GRANULAR BASE AND NO MORE THAN FIFTY (50) PERCENT OF THE PAVEMENT GRANULAR BASE CONTAINS RAP.

65.3. OTHER ASPHALTIC MATERIALS AND DELETERIOUS BUILDING MATERIALS SUCH AS WOOD, INSULATION, METAL, SHINGLES, ETC. SHOULD NOT BE USED AS GENERAL STRUCTURAL FILL MATERIAL.

66. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE RECYCLED, REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN OWNER'S PROPERTY, REMOVE DEMOLISHED MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL.

67. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.

68. BURNING: ON SITE BURNING OF RUBBISH AND OTHER DEMOLITION DEBRIS WILL NOT BE PERMITTED.

69. DISPOSAL: TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND PROVIDE FOR THE LEGAL OFF SITE DISPOSAL OF THE MATERIAL IN ACCORDANCE WITH THE SMP.

70. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY BUILDING DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE BUILDING DEMOLITION OPERATIONS BEGAN.

71. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE OWNER WITH A SURVEY PREPARED BY A NYS LICENSED LAND SURVEYOR SHOWING THE LOCATION AND THE ELEVATIONS TO WHICH THE DEMARCATION BARRIER IS INSTALLED.

72. THE CONTRACTOR IS TO NOTE THAT THE WORK OF THIS CONTRACT WILL INCLUDE WORK BY OTHERS AND THE CONTRACTOR SHALL COORDINATE HIS WORK AND MAKE EVERY REASONABLE EFFORT TO PERMIT THE EXECUTION OF SUCH WORK BY OTHERS WITHOUT DELAY.

73. IF TEMPORARY UTILITY SERVICES ARE REQUIRED, THE CONTRACTOR SHALL SEE TO IT THAT THEY ARE PROVIDED AT NO ADDITIONAL COST TO THE OWNER AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SUCH TEMPORARY FACILITIES FOR THE DURATION OF THEIR WORK.

74. ALL WORK OF THIS CONTRACT SHALL CONFORM TO THESE CONTRACT DRAWINGS AND SPECIFICATIONS AS WELL AS TO THE APPLICABLE REQUIREMENTS OF THE TOWN OF ORANGETOWN BUILDING, PUBLIC WORKS, AND FIRE DEPARTMENTS, AS WELL AS THE COGNIZANT PUBLIC UTILITY COMPANIES.

75. ALL WORK SHALL COMPLY WITH THE BUILDING CODE OF NEW YORK STATE AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL RULES, LAWS, AND REGULATIONS.

76. ALL PROJECT RELATED LINES AND GRADES ARE TO BE ESTABLISHED BY A LICENSED SURVEYOR REGISTERED TO PRACTICE IN THE STATE OF NEW YORK.

77. SIZES OF EXISTING UTILITY LINES ARE TO BE VERIFIED IN THE FIELD BY CAREFUL TEST EXCAVATIONS BY THE CONTRACTOR PRIOR TO STARTING THE WORK ANY SUBSTANTIVE VARIATIONS FROM THE SURVEY DATA PROVIDED ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER SO THAT APPROPRIATE DESIGN MODIFICATIONS MAY BE MADE.

78. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING DRAINAGE OR UTILITY SYSTEMS WITHIN OR ADJACENT TO THE WORK SHOWN ON THESE DRAWINGS. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL IMMEDIATELY BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE AND TO THE SATISFACTION OF THE OWNER OR UTILITY COMPANY INVOLVED.

79. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL TRADES REQUIRED BY THE CONTRACT WORK AND SHALL OBTAIN BONDS, PERMITS, ETC. REQUIRED FOR THE EXECUTION OF THE WORK AND CONFORM THE WORK WITH ALL APPLICABLE CODES, RULES AND REGULATIONS OF THE GOVERNING AGENCIES. THE CONTRACTOR IN ACCORDANCE WITH NEW YORK STATE LAW (CODE RULE 53) SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE UTILITY COMPANY OR AGENCY PRIOR TO COMMENCING ANY EXCAVATION WORK AND SHALL NOTIFY THE "CALL BEFORE YOU DIG" HOTLINE @ 1-800-962-7962 PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

80. SAFE AND ADEQUATE PEDESTRIAN AND VEHICULAR TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES TO THE ADJACENT BUILDINGS WHILE THE WORK IS PROGRESSING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL OF THE OWNER A CONSTRUCTION SEQUENCE SCHEDULE AND PLAN FOR PEDESTRIAN AND VEHICULAR TRAFFIC FLOW.

81. THE TREE PROTECTION AND PRESERVATION GUIDELINES ADOPTED PURSUANT TO SECTION 21-24 OF THE LAND DEVELOPMENT REGULATIONS OF THE TOWN OF ORANGETOWN WILL BE IMPLEMENTED IN ORDER TO PROTECT AND PRESERVE BOTH INDIVIDUAL SPECIMEN TREES AND BUFFER AREA WITH MANY TREES. STEPS THAT WILL BE TAKEN TO PRESERVE AND PROTECT EXISTING TREES TO REMAIN ARE AS FOLLOWS:

81.1. NO CONSTRUCTION EQUIPMENT SHALL BE PARKED UNDER THE TREE CANOPY.

81.2. THERE WILL BE NO EXCAVATION OR STOCKPILING OF EARTH UNDERNEATH THE TREES.

81.3. TREES DESIGNATED TO BE PRESERVED SHALL BE MARKED CONSPICUOUSLY ON ALL SIDES AT A 5 TO 10-FOOT HEIGHT.

81.4. THE TREE PROTECTION ZONE FOR TREES DESIGNATED TO BE PRESERVED WILL BE ESTABLISHED BY ONE OF THE FOLLOWING METHODS:

81.4.1. ONE (1) FOOT RADIUS FROM PER INCH DBH.

81.4.2. DRIP LINE OF THE TREE CANOPY: THE METHOD CHOSEN SHOULD BE BASED ON PROVIDING THE MAXIMUM PROTECTION ZONE POSSIBLE. A BARRIER OF SNOW FENCE OR EQUAL IS TO BE PLACED AND MAINTAINED ONE (1) YARD BEYOND THE ESTABLISHED TREE PROTECTION ZONE. IF IT IS AGREED THAT THE TREE PROTECTION ZONE OF A SELECTED TREE MUST BE VIOLATED, ONE OF THE FOLLOWING METHODS MUST BE EMPLOYED TO MITIGATE THE IMPACT:

81.4.2.1. LIGHT TO HEAVY IMPACTS: MINIMUM OF EIGHT (8) INCHES OF WOOD CHIPS INSTALLED IN THE AREA TO BE PROTECTED. CHIPS SHALL BE REMOVED UPON COMPLETION OF WORK.

81.4.2.2. LIGHT IMPACTS ONLY: INSTALLATION OF ¾ INCH OF PLYWOOD OR BOARDS, OR EQUAL OVER THE AREA TO BE PROTECTED.

81.4.2.3. THE BUILDER OR ITS AGENT MAY NOT CHANGE THE GRADE WITHIN THE TREE PROTECTION ZONE OF A PRESERVED TREE UNLESS SUCH GRADE CHANGE HAS RECEIVED FINAL APPROVAL FROM THE TOWN OF ORANGETOWN PLANNING BOARD. IF THE GRADE LEVEL IS TO BE CHANGED MORE THAN SIX (6) INCHES, TREES DESIGNATED TO BE PRESERVED SHALL BE WELLED AND/OR PRESERVED IN A RAISED BED, WITH THE TREE WELL A RADIUS OF THREE (3) FEET LARGER THAN THE TREE CANOPY.

82. ALL UNPAVED AREAS WITHIN THE WORK AREAS AND ALL AREAS DISTURBED DURING CONSTRUCTION ARE TO BE STABILIZED IN ACCORDANCE WITH THE NYSDEC APPROVED STORMWATER POLLUTION PREVENTION PLAN. UNLESS OTHERWISE DIRECTED BY THE OWNER, TURFED AREAS, DISTURBED BY REGRADING AND OTHER WORK OF CONTRACTOR, SHALL BE BROUGHT TO THE PROPER SUBGRADE ELEVATION, TOPSOIL TO A MINIMUM DEPTH OF 4 INCHES SHALL BE PLACED AND, LIMING, FERTILIZING AND SEEDING ACCOMPLISHED, AS SPECIFIED. THE CONTRACTOR SHALL WATER AND MAINTAIN THE SEEDED AREAS UNTIL THEY HAVE BECOME WELL ESTABLISHED.

83. EXISTING PAVEMENT WHICH IS TO REMAIN AND WHICH IS TO BE REMOVED OR DAMAGED DURING THE CONSTRUCTION WORK OF THIS CONTRACT IS TO BE RESTORED TO ITS ORIGINAL CONDITION.

84. UNLESS OTHERWISE SHOWN HEREON OR DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL MATCH THE MATERIALS, TYPES, THICKNESS AND QUALITY OF EXISTING BITUMINOUS CONCRETE PAVEMENTS, WALKWAYS AND CURBS WITHIN THE PUBLIC RIGHT-OF-WAY WHICH ARE TO BE REPLACED.

85. AS A REFERENCE STANDARD, ALL WORK CONTAINED HEREIN SHALL BE GOVERNED BY THE REQUIREMENTS SET FORTH IN THE "STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS" AS PUBLISHED BY THE NYSDOT, DESIGN AND CONSTRUCTION DIVISION, DATED JANUARY 2, 2002, INCLUDING ALL LATEST AMENDMENTS THERETO.

86. AT NO TIME SHALL ANY EXCAVATED AREAS BE LEFT UNATTENDED UNLESS APPROPRIATE MARKING AND BARRICADING IS EMPLOYED.

87. WITH REGARD TO EXISTING UTILITIES TO REMAIN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING UTILITY VALVES, MANHOLE FRAMES, COVERS, RIMS, INVERTS AND HYDRANTS TO MEET NEW FINISHED GRADE OR AS OTHERWISE REQUIRED TO FUNCTION PROPERLY.

88. CONTRACTOR SHALL REVIEW PLANS FROM SITE PREPARATION AND SITE PACKAGE CONTRACT AND FAMILIARIZE THEMSELVES WITH PREVIOUS SCOPE OF WORK.

89. CONTRACTOR SHALL LIMIT ACTIVITIES IN AREAS OF DEVELOPMENT THAT ARE OCCUPIED.

90. THE GENERATORS WILL ONLY BE TESTED FROM 9:00 A.M. TO 5:00 P.M. MONDAY THROUGH FRIDAY. ONLY ONE GENERATOR WILL BE TESTED AT A TIME. THE TESTING SCHEDULE SHALL BE PROVIDED TO THE TOWN OF ORANGETOWN OFFICE OF BUILDING, ZONING, PLANNING, ADMINISTRATION AND ENFORCEMENT.

PAVING, GRADING AND DRAINAGE NOTES

1. CONTRACTOR SHALL MAINTAIN GRADES AT ENTRANCES TO PHASE 2 CONSTRUCTION.

2. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN JURISDICTION'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR NEW YORK STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

3. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND REPAIRED TO EXISTING CONDITION OR BETTER.

4. TRAFFIC CONTROL ON ALL NYSDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

5. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL AN ADEQUATE STABILIZATION OCCURS.

6. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE COVERED WITH TOPSOIL AND SEED AS INDICATED ON THE LANDSCAPE PLAN.

7. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.

8. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.

9. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.

10. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

11. DEWATERING DISCHARGE WILL NOT BE PERMITTED TO DISCHARGE ONTO OPEN GROUND. IT SHALL BE TREATED AND DISCHARGED INTO THE COUNTY SEWER. PERMIT TO BE COORDINATED BY THE OWNER.

12. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.

13. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE TOWN OF ORANGETOWN.

14. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE STABILIZED BY MEANS AND METHODS APPROVED BY THE TOWN OF ORANGETOWN. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE COVERED WITH ROCK OR MULCHED AS SHOWN ON THE LANDSCAPING PLAN.

15. ALL CUT OR FILL SLOPES SHALL BE 3 (HORIZONTAL) : 1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

17. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS OF THE GOVERNING CODE.

18. EXPOSED SLOPES SHOULD BE STABILIZED WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.

19. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE REQUIRED PERMITS COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY GOVERNING JURISDICTIONS.

20. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.

21. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

BUILDING AND SAFETY DIVISION NOTES

1. FILL TO BE COMPACTED TO NOT LESS THAN 90% OF MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D1557.

2. FIELD DENSITY WILL BE DETERMINED BY THE SAND-CONE METHOD A.S.T.M. 1556-07 AND/OR NUCLEAR DENSITY GAUGE METHOD A.S.T.M. 2922/3017. IN FINE GRAINED, COHESIVE SOILS, FIELD DENSITY MAY BE DETERMINED BY THE DRIVE-CYLINDER METHOD D2937 A.S.T.M. PROVIDED NOT LESS THAN 20% OF THE REQUIRED DENSITY TESTS, UNIFORMLY DISTRIBUTED, ARE BY THE SAND-CONE METHOD. THE METHOD OF DETERMINING FIELD DENSITY SHALL BE SHOWN IN THE COMPACTION REPORT. OTHER METHODS MAY BE USED IF RECOMMENDED BY THE SOILS ENGINEER AND APPROVED IN ADVANCE BY THE BUILDING OFFICIAL.

3. NOT LESS THAN ONE FIELD DENSITY TEST WILL BE MADE FOR EACH TWO-FOOT VERTICAL LIFT OF FILL NOR LESS THAN ONE SUCH TEST FOR EACH 1,000 CUBIC YARDS OF MATERIAL PLACED UNLESS OTHERWISE RECOMMENDED BY THE SOILS ENGINEER.

4. NO FILL TO BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS AND INSTALLATION OF SUBDRAINS (IF ANY) HAS BEEN INSPECTED AND APPROVED BY THE SOILS ENGINEER.

5. NO ROCK OR SIMILAR MATERIAL GREATER THAN 8" IN DIAMETER WILL BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOILS ENGINEER IN ADVANCE AND APPROVED BY THE BUILDING OFFICIAL.

6. FINISH GRADING WILL BE COMPLETED AND APPROVED BEFORE OCCUPANCY OF BUILDINGS.

7. SEE GRADING PLANS FOR EARTHWORK VOLUMES.

8. FILL SLOPES SHALL NOT BE STEEPER THAN 2:1.

9. DENSITY TESTS WILL BE MADE AT POINTS APPROXIMATELY ONE FOOT BELOW THE FILL SLOPE SURFACE. ONE TEST WILL BE MADE FOR EACH 1,000 SQ. FT. OF SLOPE SURFACE, BUT NOT LESS THAN ONE TEST FOR EACH 10 FT. VERTICAL OF SLOPE HEIGHT UNLESS OTHERWISE RECOMMENDED BY THE SOILS ENGINEER.

10. ALL PADS AT ROUGH GRADING WILL HAVE A MINIMUM SLOPE OF 1% TOWARDS THE STREET OR DESIGNED DRAINAGE OUTLET.

11. APPROVAL OF THIS PLAN BY THE TOWN OF ORANGETOWN BUILDING, ZONING, PLANNING, ADMINISTRATION AND ENFORCEMENT DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THIS PROJECT.

12. FILLS SHALL BE BENCHED IN ACCORDANCE WITH APPROVED GEOTECHNICAL REPORT.

13. ALL TRENCH BACKFILLS SHALL BE TESTED AND CERTIFIED BY THE SITE SOILS ENGINEER PER THE GRADING CODE.

14. ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY AN ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGICAL HAZARDS, THE ENGINEERING GEOLOGIST SHALL RECOMMEND NECESSARY TREATMENT TO THE BUILDING OFFICIAL FOR APPROVAL.

15. WHERE SUPPORT OR BUTTRESSING OF CUT AND NATURAL SLOPES IS DETERMINED TO BE NECESSARY BY THE ENGINEERING GEOLOGIST AND SOILS ENGINEER, THE SOILS ENGINEER WILL SUBMIT DESIGN, LOCATION AND CALCULATIONS TO THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION. THE ENGINEERING GEOLOGIST AND SOILS ENGINEER WILL INSPECT AND CONTROL THE CONSTRUCTION OF THE BUTTRESSING AND CERTIFY TO THE STABILITY OF THE SLOPE AND ADJACENT STRUCTURES UPON COMPLETION.

16. THE SOILS ENGINEER AND ENGINEERING GEOLOGIST SHALL PERFORM SUFFICIENT INSPECTIONS AND BE AVAILABLE DURING GRADING AND CONSTRUCTION TO PROVIDE CONSULTATION CONCERNING COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODE WITHIN THEIR PURVIEW.

17. THE DESIGN CIVIL ENGINEER SHALL BE AVAILABLE DURING GRADING AND CONSTRUCTION FOR CONSULTATION CONCERNING COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODE WITHIN THIS PURVIEW.

18. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.

MAINTENANCE

ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE CHECKED BY A QUALIFIED PERSON ON A SCHEDULE THAT MEETS OR EXCEEDS THE GOVERNING REQUIREMENTS, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.

3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 55 CUBIC YARDS / ACRE.

7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER.

WATER AND SEWER UTILITY NOTES

1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, CLEANOUTS, GRAVITY SEWER LINES, AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

2. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET. THE CONTRACTOR SHALL ALSO SCOPE THE SEWER LINES ON SITE AND RECORD A DVD.

3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.

4. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.

5. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.

7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

8. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.

RECORD DRAWINGS

1. WHERE LOCAL JURISDICTIONS REQUIRE RECORD DRAWINGS, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER AND OWNER COPIES OF A PAVING, GRADING AND DRAINAGE RECORD DRAWING AND A SEPARATE UTILITY RECORD DRAWING, BOTH PREPARED BY A NEW YORK REGISTERED SURVEYOR. THE RECORD DRAWINGS SHALL VERIFY ALL DESIGN INFORMATION INCLUDED ON THE DESIGN PLANS OF THE SAME NAME.
2. AS-BUILTS SHALL BE SUBMITTED TO THE TOWN FOR REVIEW AND APPROVAL FOR THE PROPOSED STORMWATER MANAGEMENT PRACTICES IN ORDER TO COMPLETE THE N.O.T. BECAUSE SOME OF THE “EXISTING” PHASE I DRAINAGE INFRASTRUCTURE IS BEING REMOVED/REPLACED/ALTERED, THE POST CONSTRUCTION AS-BUILTS MUST INCLUDE ALL OF THE PRE-PHASE I, PHASE I AND PHASE II DRAINAGE INFRASTRUCTURE.

PROJECT CLOSEOUT

1. CONTRACTOR SHALL PROVIDE THE NECESSARY ITEMS INCLUDING ANY TESTING, REPORTS, OR CERTIFICATION DOCUMENTS REQUIRED BY THE GOVERNING JURISDICTIONS TO PROPERLY CLOSEOUT THE PROJECT BEFORE IT CAN BE DEEMED COMPLETE.

DOCUMENT USE

1. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C.

2. CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.

3. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, NYSDOT STANDARD SHEETS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FRISCO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

GENERAL NOTES

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962

TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-0.1

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FIELDWORK COMPLETED: JANUARY 28, 2022
AUGUST 4, 2022

FILED MAP REFERENCE:
"Subdivision Map for Verizon Wireless"
Filed in the Rockland County Clerks Office
03/15/2004 as Map #7643.
Subject Lot 1

"Minor Subdivision for Salisbury Development Corp."
Filed in the Rockland County Clerk's Office
2/24/1975 as Map #4595
Part of Lot 1B

DEED REFERENCE:
Document# 2017-00040515
Recorded 12/18/2017
Grantor: Verizon Wireless
Grantee: Skae Group LLC

GENERAL NOTES:
To date, no Title Report or Abstract of Title has been provided. This survey is subject to a current, up to date Title Report.

Property corner monuments were not placed as part of this survey.

This map may not be used in connection with a "Survey Affidavit" or similar document, statement or mechanism to obtain title insurance for any subsequent or future grantees.

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Area = 33.925 Acres

LEGEND

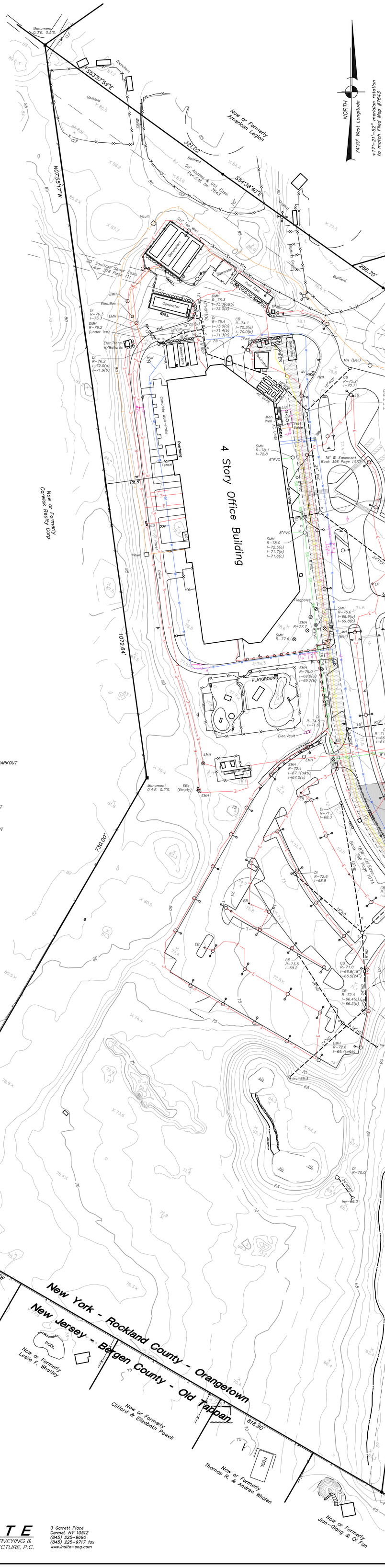
- Catch Basin
- Light Pole
- Manhole
- Sign
- Chain Link Fence
- CBRW– Conc.Bl.Ret.Wall
- Water Valve
- EB Electric Box
- GV Gas Valve

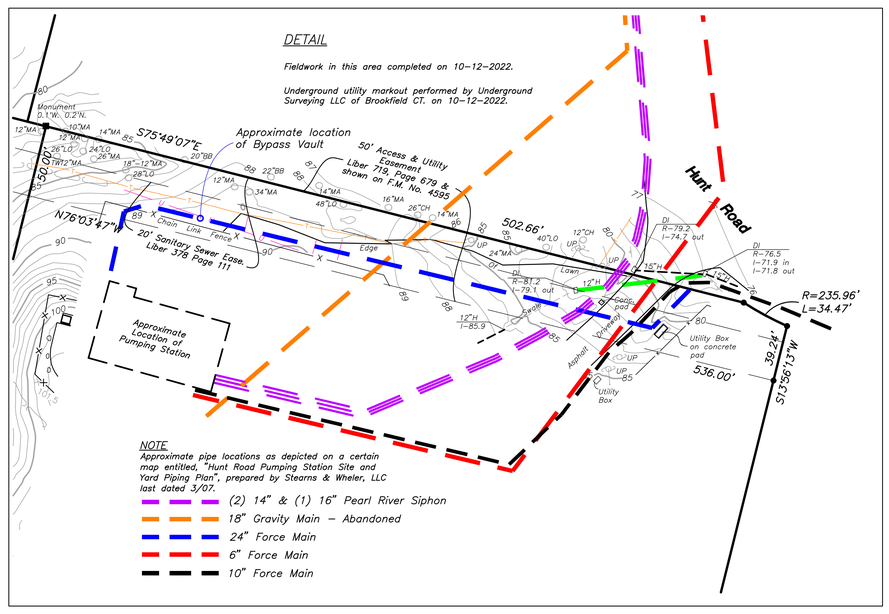
Legend- Aerial Topography

BUSH–DECIDUOUS	BRUSH LINE
BUSH–EVERGREEN	FENCE LINE
CATCH BASIN	LIGHT POLE
MANHOLE	PAINTED LINES
POLE	RETAINING WALL
SIGN	STONE WALL
STUMP	SWAMP
TREE–DECIDUOUS	TRAIL OR PATH
TREE–EVERGREEN	TREE LINE
CONTOUR–INDEX	
CONTOUR–INTER	
CONTOUR INDEX–OBSCURED	
CONTOUR INTER–OBSCURED	
SPOT ELEVATION × 356.4	

- TELECOMMUNICATIONS MARKOUT
- GAS LINE MARKOUT
- ELECTRIC LINE MARKOUT
- UNKNOWN LINE MARKOUT
- WATER LINE MARKOUT
- SEWER SERVICE

UNDERGROUND UTILITY MARKOUT PERFORMED BY UNDERGROUND SURVEYING OF BROOKFIELD CT. ON 1-12-2022.





PHOTOGRAMMETRY BY:

Geomaps INTERNATIONAL
270 Spagnoli Rd. Ste 205 Melville, N.Y. 11747
TEL (516) 827-9100 FAX (516) 827-9101

Map Scale: 1 inch = 50 feet
Contour Interval: 1'
Photo Date: November 24, 2021
Geomaps Job: 21-390
CORPORATE PARK DRIVE

Topographic and Planimetric details shown were derived from aerial photographs taken November 24, 2021 by Geomaps International.

○ ⊠ – Denotes Property Line markers found or set.

Topography Survey prepared for Kimley Horn

Town of Orangetown
Rockland County New York

Scale 1" = 50'

Date: March 24, 2022
Revised: August 8, 2022
October 25, 2022
October 31, 2022
November 4, 2022
November 8, 2022

GRAPHIC SCALE
0 50 100 150
1 inch = 50 ft.

Horizontal Coord. = NAD83
Vertical Datum = NAVD88

JEFFREY B. DeROSA, LS
New York State License No. 050749

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ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
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(845) 225-9717 fax
www.insite-eng.com

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21252.200
Kimley Horn Orangeburg Survey.dwg

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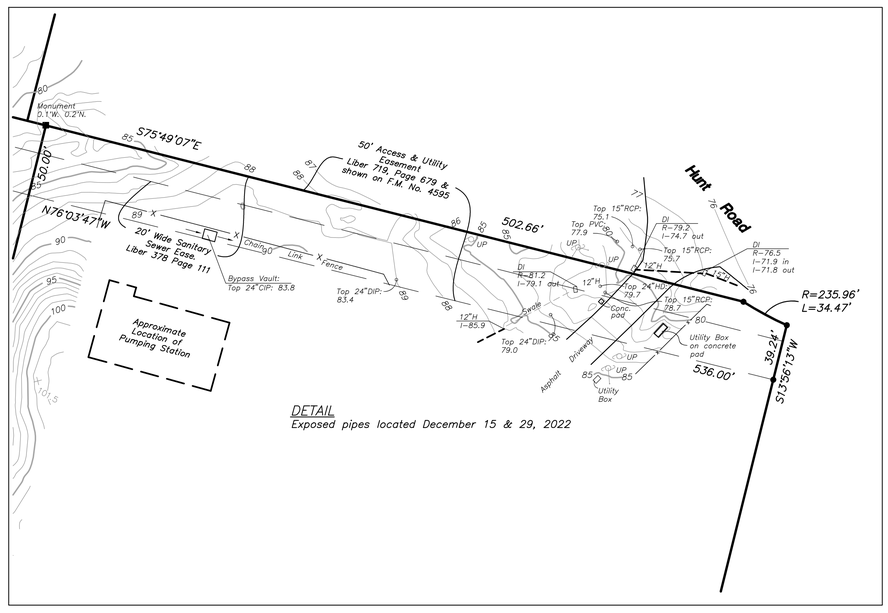
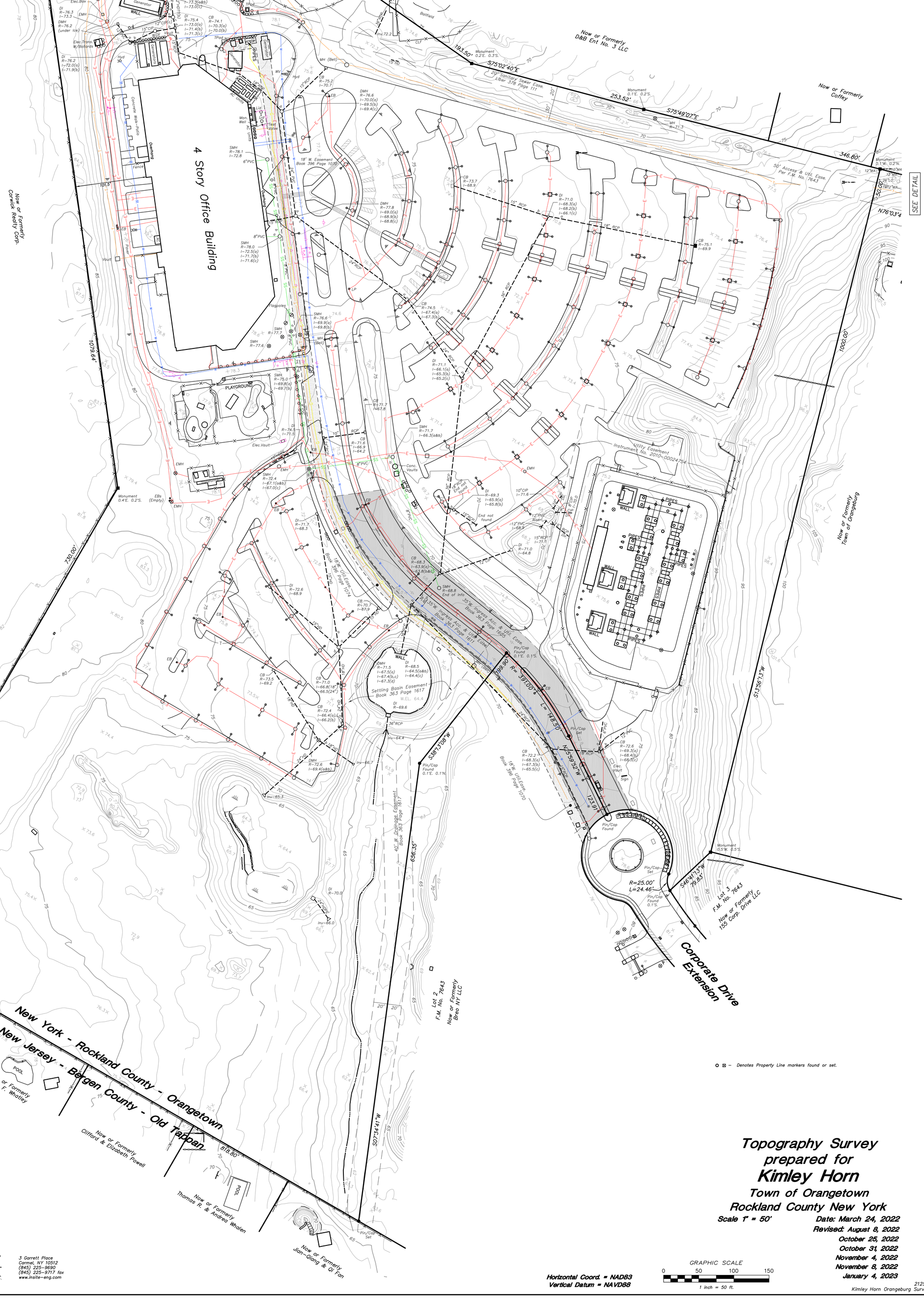


DETAIL
Exposed pipes located December 15 & 29, 2022



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Rockland County New York

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GRAPHIC SCALE
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21252.200
Kimley Horn Orangeburg Survey.dwg

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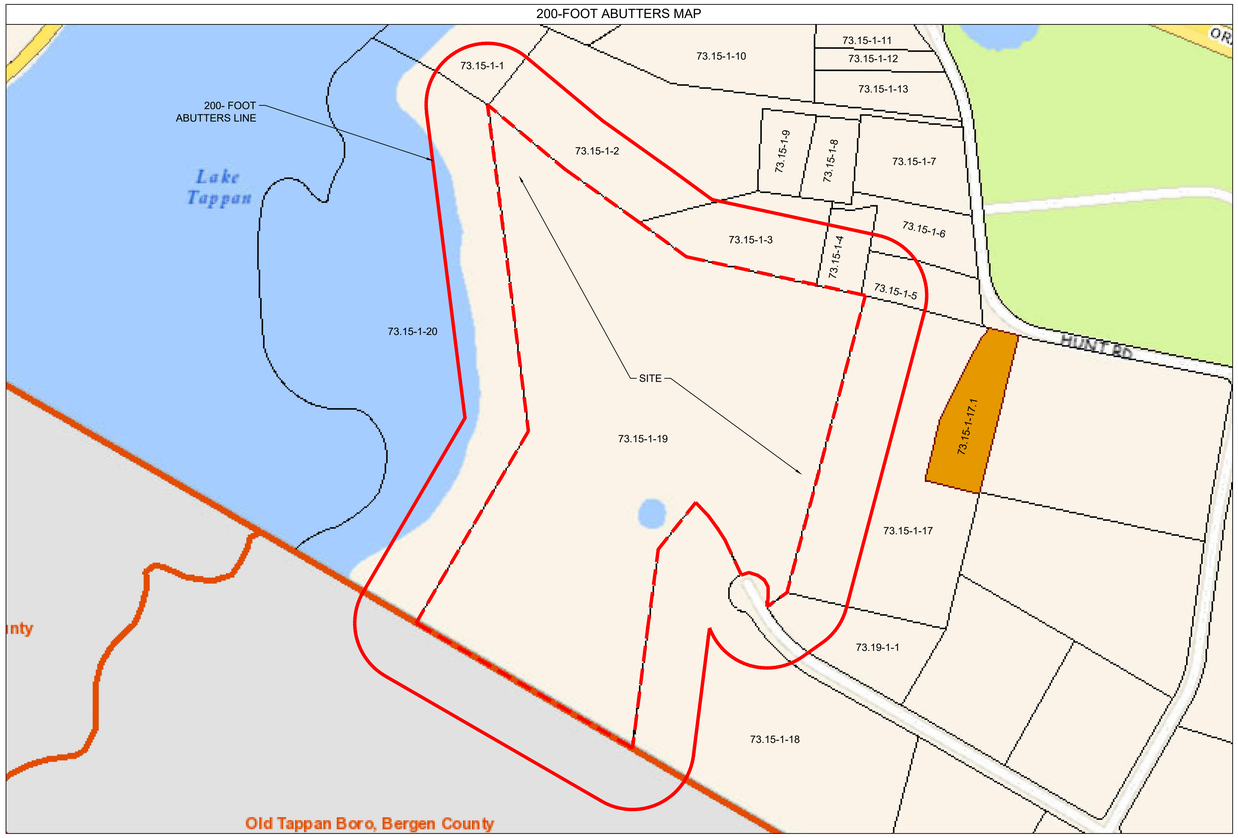
k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-1.0 ZONING AND ABUTTERS PLAN.dwg

200-FOOT ABUTTERS MAP



GRAPHIC SCALE IN FEET
0 100 200 400

NORTH

200' ABUTTERS LIST (PROVIDED BY ORANGETOWN)

SWIS	PRINT KEY	NAME	ADDRESS
392489	73.10-1-3	Corwick Realty Corp Altus Group US Inc	P.O. Box 71970,Phoenix, AZ 85050
392489	73.11-1-1	Corwick Realty Corp Altus Group US Inc	P.O. Box 71970,Phoenix, AZ 85050
392489	73.11-1-3	Corwick Realty Corp Altus Group US Inc	P.O. Box 71970,Phoenix, AZ 85050
392489	73.11-1-4	Corwick Realty Corp Altus Group US Inc	P.O. Box 71970,Phoenix, AZ 85050
392489	73.14-1-2	Corwick Realty Corp Altus Group US Inc	P.O. Box 71970,Phoenix, AZ 85050
392489	73.15-1-1	Corwick Realty Corp Joseph Chimenti	7 Van Terrace,Sparkill, NY 10976
392489	73.15-1-2	American Legion Joseph Chimenti	7 Van Ter,Sparkill, NY 10976
392489	73.15-1-3	D & B Ent No 3 LLC	10 Dorsey Ct,Orangeburg, NY 10962
392489	73.15-1-4	James Coffey	95 Putnam Ave,Portchester, NY 10573
392489	73.15-1-5	Melody P Fiore	P.O. Box 66,Orangeburg, NY 10962
392489	73.15-1-6	Jacqueline M Fiore	28 Strawtown Rd,West Nyack Ny, 10994
392489	73.15-1-7	85 Hunt Road LLC Claude Baumann	15 Winding Way,Upper Saddle River, NJ 07458
392489	73.15-1-8	Kiera Burtch	73 Hunt Rd,Orangeburg, NY 10962
392489	73.15-1-9	67 Hunt Road LLC	67 Hunt Rd,Orangeburg, NY 10962
392489	73.15-1-10	Brightview Lake Tappan LLC Altus Group	P.O. Box 92129,Southlake, TX 76092
392489	73.15-1-11	Kazziegirl LLC	2 Rolyn Hill Dr,Orangeburg, NY 10962
392489	73.15-1-12	Joseph Missale	41 Hunt Rd,Orangeburg, NY 10962
392489	73.15-1-13	Grace B Meyer	9 Paradise Ave,Piermont, NY 10968
392489	73.15-1-15	Daikin America Inc	20 Olympic Dr,Orangeburg, NY 10962
392489	73.15-1-16	SQ Properties LLC	8 Olympic Dr,Orangeburg, NY 10962
392489	73.15-1-17	Town Of Orangetown	26 Orangeburg Rd,Orangeburg, NY 10962
392489	73.15-1-18	BREO NY LLC Peter Smith	731 Lexington Ave,New York, NY 10022
392489	73.15-1-19	2000 Corporate Drive LLC	400 S Akard St Ste 100,Dallas, TX 75202
392489	73.15-1-20	Corwick Realty Corp Altus Group US Inc.	P.O. Box 71970,Phoenix, AZ 85050
392489	73.16-1-1	Town Of Orangetown	26 Orangeburg Rd,Orangeburg, NY 10962
392489	73.16-2-78	Clarins Usa Inc	15 Olympic Dr,Orangeburg, NY 10962
392489	73.19-1-1	BREO NY LLC Peter Smith	731 Lexington Ave,New York, NY 10022
392489	73.19-1-2	30 Corporate LLC	151 N Main St Ste 400,New City, NY 10956
392489	73.19-1-3	Collieberc Inc	20 Corporate Dr,Orangeburg, NY 10962
392489	73.19-1-5	One Olympic Drive LLC	1 Olympic Dr,Orangeburg, NY 10962
392489	73.19-1-8	29 Corporate Drive LLC	200 Performance Dr Ste 207,Mahwah, NJ 07495
392489	73.19-1-9	Ford 33 Realty LLC	100 Challenger Rd Ste 105,Ridgefield Park, NJ 07650

NOTES

1. ZONING MAP SOURCE:
   ORANGETOWN ZONING MAP (ADOPTED DECEMBER 11,2018)
   https://www.orangetown.com/wp-content/uploads/Orangetown_Zoning_Adopted_Dec_11_2018_opt.pdf
2. PARCEL DATA SOURCE:
   ROCKLAND COUNTY GML MAP APPLICATON, PLANNING DEPARTMENT -GIS
   https://www.rocklandgis.com/portal/apps/sites/#/data/app/71bc97364aa743588f39457585a88fa
3. ABUTTERS LIST SOURCE:
   ROCKLAND COUNTY GIS AND BERGEN COUNTY GIS
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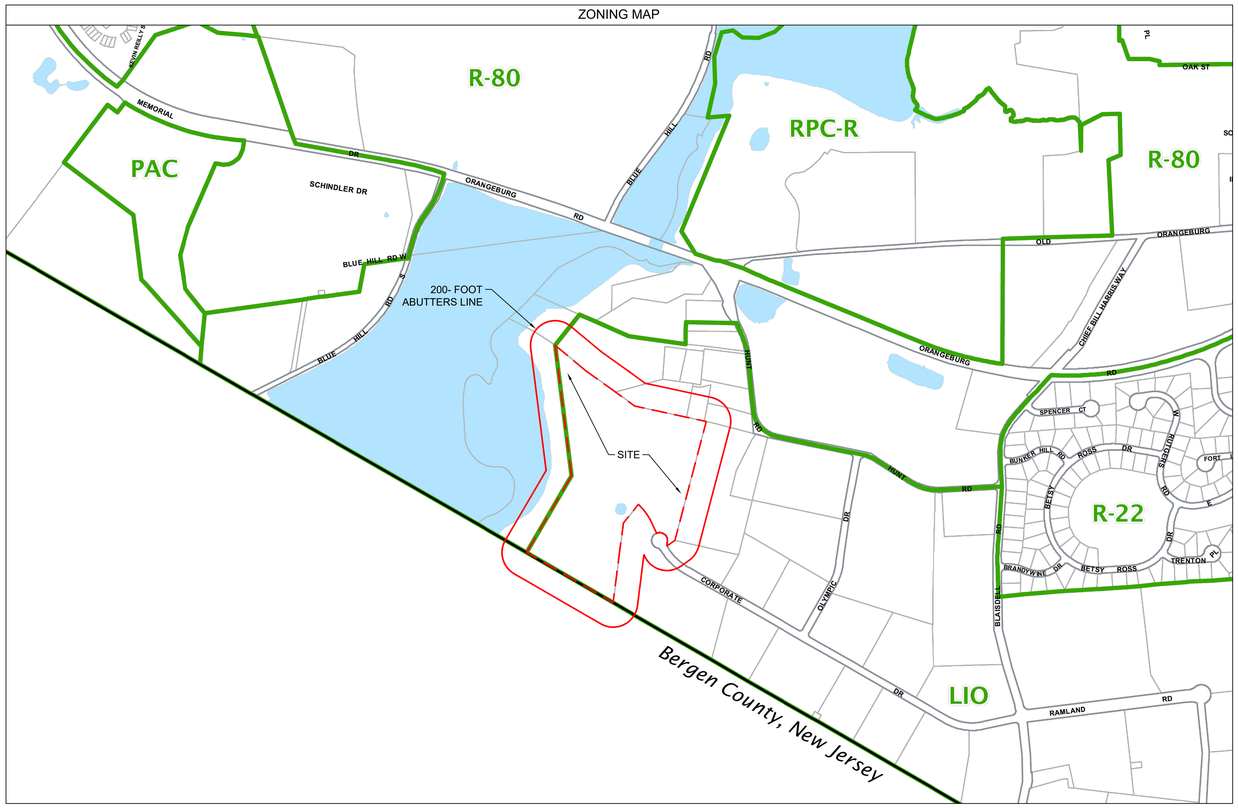
ZONING MAP



Legend
- Zoning District
- R-40 Zoning District Label
- Orangetown Critical Environmental Area
- Route 303 Zone Overlay
- Sparkill Hamlet Center Overlay
- Historic Districts
- Town Boundary
- Village Boundary
- Road Right-of-Way
- Parcel

NORTH

GRAPHIC SCALE IN FEET
0 250 500 1000

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
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DATABANK

STATE OF NEW YORK
DANIEL LO FRISCO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT 112578002
DATE 06/12/2024
SCALE: AS SHOWN
DESIGNED BY: TAS
DRAWN BY: KC
CHECKED BY: DL

ZONING AND ABUTTERS PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
NEW YORK
TOWN OF ORANGETOWN

SHEET NUMBER
C-1.0

Saved Thursday, January 22, 2026 5:46:39 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:24:37 PM Chen, Kitty

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K:\ORy_civil\112578002_tgs-4_orangeburg.ary\7_civil\2_cad\sheets\sheet\C-1.0 ZONING AND ABUTTERS PLAN.dwg

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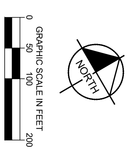

NOTES

1. AERIAL IMAGE SOURCE SOURCE: NEARMAP IMAGERY (C) 2025 Nearmap, HERE - MARCH 19, 2025
2. KIMLEY-HORN DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ON THIS SHEET. INFORMATION PROVIDED FOR GENERAL INFORMATIONAL PURPOSES ONLY.

SHEET NUMBER C-1.1

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

ADJACENT PARCELS PLAN

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

LICENSED PROFESSIONAL ENGINEER DANIEL LO PRESTO 102502 STATE OF NEW YORK

DATABANK

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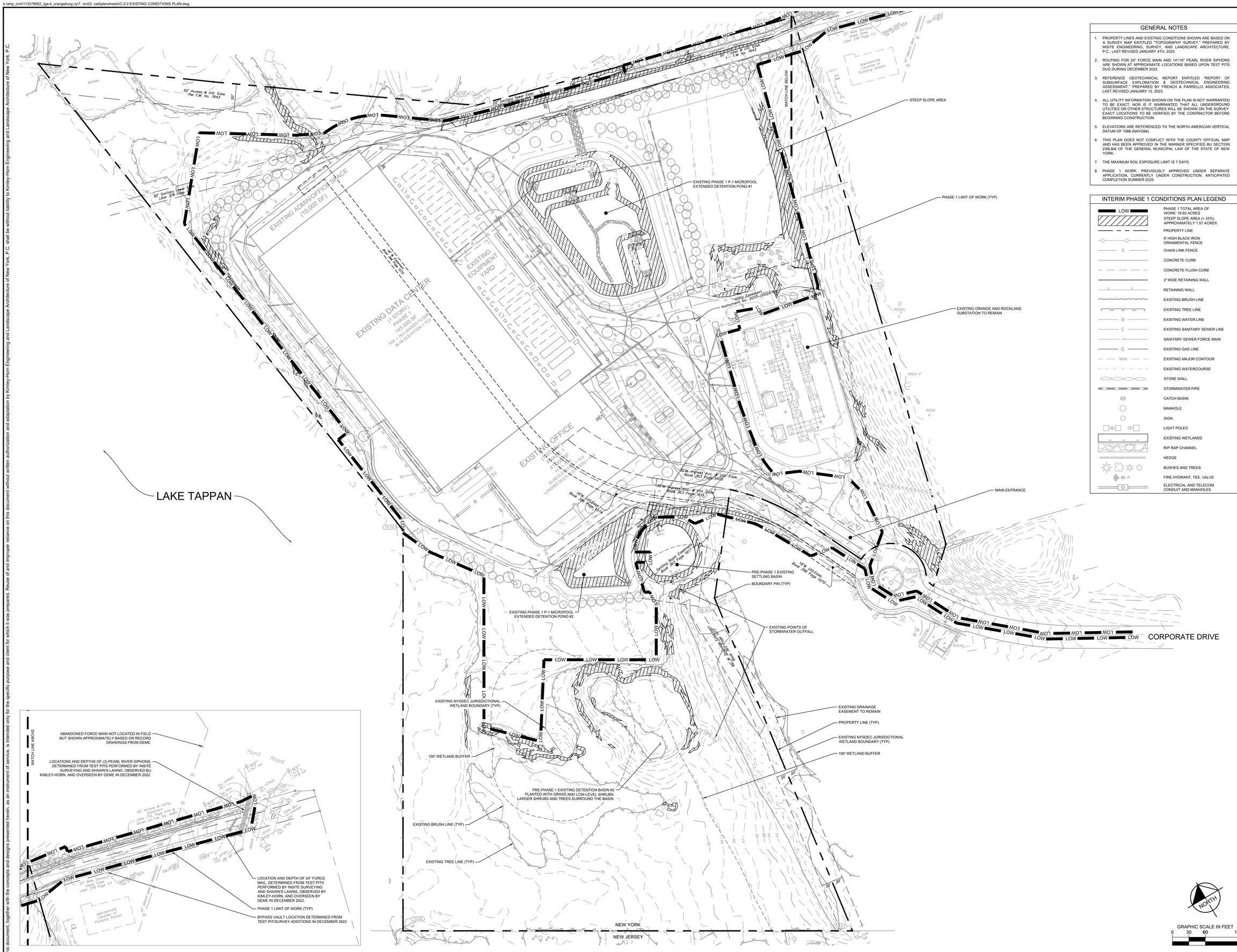
1	ISSUED FOR PRC REVIEW	06/12/2024

k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-2.0 EXISTING CONDITIONS PLAN.dwg



GENERAL NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
2. ROUTING FOR 24" FORCE MAIN AND 14"/16" PEARL RIVER SIPHONS ARE SHOWN AT APPROXIMATE LOCATIONS BASED UPON TEST PITS DUG DURING DECEMBER 2022.
3. REFERENCE GEOTECHNICAL REPORT ENTITLED "REPORT OF SUBSURFACE EXPLORATION & GEOTECHNICAL ENGINEERING ASSESSMENT," PREPARED BY FRENCH & PARRELLO ASSOCIATES, LAST REVISED JANUARY 12, 2023.
4. ALL UTILITY INFORMATION SHOWN ON THE PLAN IS NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND UTILITIES OR OTHER STRUCTURES WILL BE SHOWN ON THE SURVEY. EXACT LOCATIONS TO BE VERIFIED BY THE CONTRACTOR BEFORE BEGINNING CONSTRUCTION.
5. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
6. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BU SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
7. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.
8. PHASE 1 WORK, PREVIOUSLY APPROVED UNDER SEPARATE APPLICATION, CURRENTLY UNDER CONSTRUCTION, ANTICIPATED COMPLETION SUMMER 2025.

INTERIM PHASE 1 CONDITIONS PLAN LEGEND

- PHASE 1 TOTAL AREA OF WORK: 19.92 ACRES
- STEEP SLOPE AREA (> 25%) APPROXIMATELY 1.57 ACRES
- PROPERTY LINE
- 8' HIGH BLACK IRON ORNAMENTAL FENCE
- CHAIN LINK FENCE
- CONCRETE CURB
- CONCRETE FLUSH CURB
- 2' WIDE RETAINING WALL
- RETAINING WALL
- EXISTING BRUSH LINE
- EXISTING TREE LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- SANITARY SEWER FORCE MAIN
- EXISTING GAS LINE
- EXISTING MAJOR CONTOUR
- EXISTING WATERCOURSE
- STONE WALL
- STORMWATER PIPE
- CATCH BASIN
- MANHOLE
- SIGN
- LIGHT POLES
- EXISTING WETLANDS
- RIP RAP CHANNEL
- HEDGE
- BUSHES AND TREES
- FIRE HYDRANT, TEE, VALVE
- ELECTRICAL AND TELECOM CONDUIT AND MANHOLES

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn
New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK — DANIEL LO FRISO — No. 090067 — LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

INTERIM CONDITION PLAN (PREVIOUSLY APPROVED PHASE 1)

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN — NEW YORK

SHEET NUMBER
C-2.0

Saved Monday, January 12, 2026 11:20:02 AM KITTY CHEN Plotted Thursday, January 29, 2026 12:24:59 PM Chen, Kitty
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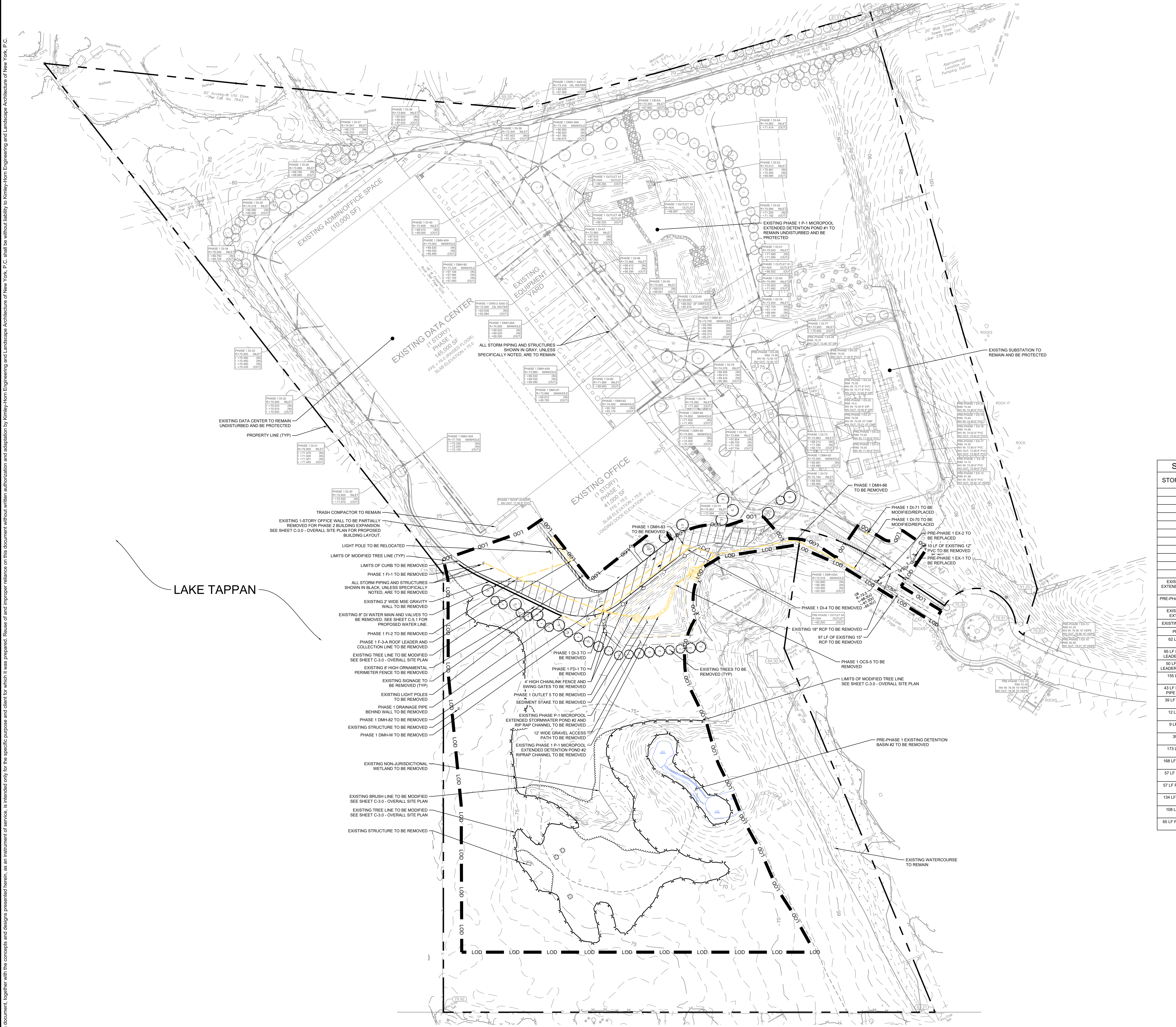

SITE REMOVALS LEGEND

- PROPERTY LINE
- LOD — TOTAL AREA OF DISTURBANCE (7.56 AC)
- EXISTING WATERCOURSE
- 100' NYSDEC WETLAND BUFFER
- EXAMPLE OF DRAINAGE FACILITIES TO REMAIN (SEE NOTE 7)
- EXAMPLE OF DRAINAGE FACILITIES TO BE REMOVED IN STAGE 1 (SEE NOTE 7)
- EXAMPLE OF DRAINAGE FACILITIES TO BE REMOVED IN STAGE 2 (SEE NOTE 7)
- ASPHALT PAVEMENT REMOVAL

SITE REMOVALS NOTES

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5. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS SHOWN ON THE ABOVE MENTIONED SURVEY.
6. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
7. ALL DRAINAGE INFRASTRUCTURE TO BE DEMOLISHED ARE SHOWN IN COLOR CORRESPONDING TO THEIR RESPECTIVE STAGE OF REMOVAL. ALL OTHER ITEMS OR AREAS TO BE DEMOLISHED ARE SHOWN IN BLACK, AND ALL LINEWORK SHADED IN GRAY ARE ITEMS TO REMAIN.
8. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR PROPOSED SANITARY BUILDING CONNECTION.
9. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
10. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.
11. ALL TRUCK TRAFFIC WILL BE ON EXISTING PAVEMENT; THERE, A STABILIZED CONSTRUCTION ENTRANCE IS NOT NEEDED. ALL SEDIMENT TRACKING ON EXISTING PAVEMENT SHALL BE PREVENTED BY PERIODIC PAVEMENT SWEEPINGS.
12. PER CHAPTER 22 OF THE TOWN OF ORANGETOWN CODE, "THE FOLLOWING ACTS ARE PROHIBITED: THE SOUND OF ANY POWER TOOL, MACHINERY OR EQUIPMENT IN USE IN ANY CONSTRUCTION PROJECT OR THE REPAIR OF ANY BUILDING IN ANY COMMERCIAL ACTIVITY OR MANUFACTURING PROCESS NOT WHOLLY CONTAINED WITHIN A CLOSED STRUCTURE IN ANY ZONE OTHER THAN A RESIDENTIAL ZONE, PRIOR TO 7:00AM OR AFTER 8:00PM."
13. INLET PROTECTION AND SILT FENCE TO BE INSTALLED PRIOR TO DEMOLITION ACTIVITIES. REFER TO SHEET C-6.0 - OVERALL EROSION & SEDIMENT CONTROL PLAN.

STORMWATER FACILITY REMOVAL TABLE

STORMWATER FACILITY ID	STORMWATER FACILITY TYPE	STAGE OF REMOVAL
PHASE 1 DI-3	CURB INLET	STAGE 2
PHASE 1 DI-4	CURB INLET	STAGE 2
PHASE 1 DMH-82	DRAINAGE MANHOLE	STAGE 2
PHASE 1 DMH-83	DRAINAGE MANHOLE	STAGE 2
PHASE 1 DMH-86	DRAINAGE MANHOLE	STAGE 2
PHASE 1 DMH-W	DRAINAGE MANHOLE	STAGE 2
PHASE 1 FD-1	FIRST DEFENSE UNIT	STAGE 2
PHASE 1 FI-1	FIELD INLET	STAGE 2
PHASE 1 FI-2	FIELD INLET	STAGE 2
PHASE 1 OCS-5	OUTLET CONTROL STRUCTURE	STAGE 2
PHASE 1 OUTLET 5	FES	STAGE 2
EXISTING PHASE 1 P-1 MICROPOOL EXTENDED DETENTION POND #2 RIPRAP CHANNEL	RIPRAP	STAGE 2
PRE-PHASE 1 EXISTING DETENTION BASIN #2	STORMWATER BASIN	STAGE 1
EXISTING PHASE 1 P-1 MICROPOOL EXTENDED DETENTION POND #2	STORMWATER BASIN	STAGE 2
EXISTING DRAINAGE PIPE BEHIND WALL	OUTLET	STAGE 2
PHASE 1 F-3-A ROOF LEADER	ROOF LEADER	STAGE 2
62 LF PIPE FROM PHASE 1 FI-1 TO PHASE 1 FI-2	PIPE	STAGE 2
95 LF PIPE FROM PHASE 1 F-3-A ROOF LEADER COLLECTION TO PHASE 1 DI-3	PIPE	STAGE 2
50 LF PIPE FROM PHASE 1 F-3 ROOF LEADER TO PHASE 1 F-3-A ROOF LEADER	PIPE	STAGE 2
155 LF PIPE FROM PHASE 1 FI-2 TO PHASE 1 DI-3	PIPE	STAGE 2
43 LF PIPE FROM EXISTING DRAINAGE PIPE BEHIND WALL TO PHASE 1 DI-3	PIPE	STAGE 2
39 LF PIPE FROM PHASE 1 DMH-W TO PHASE 1 DI-3	PIPE	STAGE 2
12 LF PIPE FROM PHASE 1 DI-3 TO PHASE 1 DMH-82	PIPE	STAGE 2
9 LF PIPE FROM PHASE 1 DI-3 TO PHASE 1 FD-1	PIPE	STAGE 2
39 LF FROM PHASE 1 FD-1 TO PHASE 1 OUTLET 5	PIPE	STAGE 2
173 LF PIPE FROM PHASE 1 DI-4 TO PHASE 1 DI-3	PIPE	STAGE 2
168 LF PIPE FROM PHASE 1 DMH-82 TO PHASE 1 DMH-83	PIPE	STAGE 2
57 LF PIPE FROM PHASE 1 DMH-83 TO PHASE 1 DMH-63A	PIPE	STAGE 2
57 LF PIPE FROM PHASE 1 DMH-63A TO PHASE 1 OCS-5	PIPE	STAGE 2
134 LF PIPE FROM PHASE 1 DMH-86 TO PHASE 1 DMH-63A	PIPE	STAGE 2
108 LF PIPE FROM PHASE 1 DI-70 TO PHASE 1 DMH-86	PIPE	STAGE 2
65 LF PIPE FROM PRE-PHASE 1 EX-1 TO PRE-PHASE 1 EX-2	PIPE	STAGE 2

NO.	DESCRIPTION	DATE
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1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn New York

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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK · DANIEL LO FRISCO · No. 090067 · LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT 112578002
DATE 06/12/2024
SCALE: AS SHOWN
DESIGNED BY: TAS
DRAWN BY: KC
CHECKED BY: DL

OVERALL SITE REMOVALS PLAN

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-2.1

Saved Wednesday, January 28, 2026 1:31:52 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:25:17 PM Chen, Kitty

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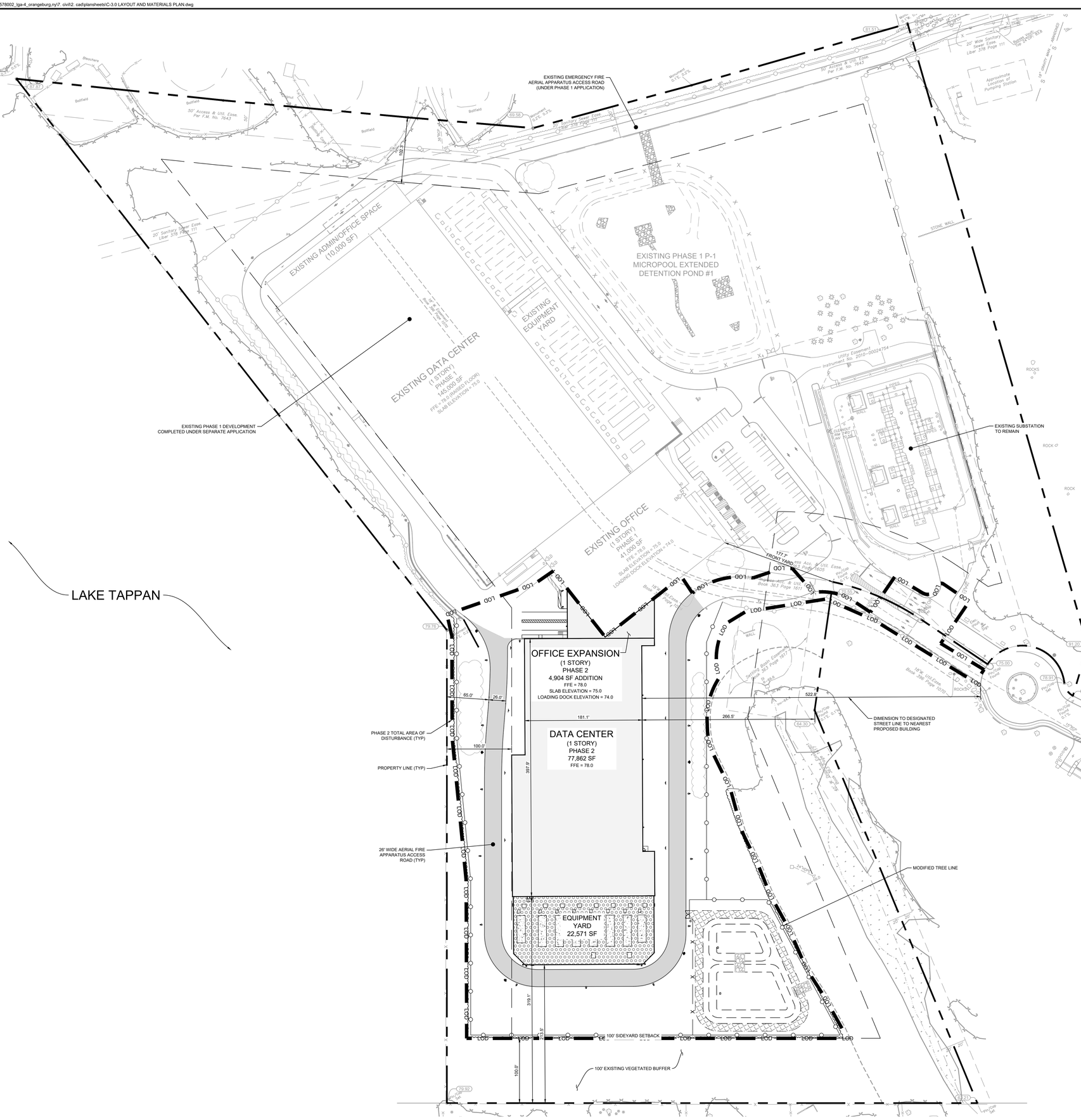

LEGEND

- PROPERTY LINE
- 100' SIDEYARD SETBACK
- LOD — TOTAL AREA OF DISTURBANCE (7.56 AC)
- 20' WIDE DRAINAGE EASEMENT
- BUILDING
- HEAVY DUTY FLEXIBLE BITUMINOUS PAVEMENT
- STANDARD DUTY FLEXIBLE BITUMINOUS PAVEMENT
- CONCRETE
- EQUIPMENT YARD (STONE)
- GRAVEL
- 8' HIGH BLACK IRON ORNAMENTAL FENCE
- CONCRETE CURB
- CONCRETE FLUSH CURB
- 2' WIDE RETAINING WALL
- EXTENTS OF STORMWATER POND
- EXISTING WATERCOURSE
- 100' NYSDEC WETLAND BUFFER
- MODIFIED TREE LINE
- EXISTING TREE LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- SNOW STORAGE AREA

SITE NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
2. ELEVATION 0.0 SHOWN ON ARCHITECTURAL AND STRUCTURE DRAWINGS EQUALS ELEVATION 78.0 ON CIVIL DRAWINGS.
3. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. NO SOURCE BENCHMARK IS UTILIZED.
5. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
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7. BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
8. REFER TO ARCHITECTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS AND MATERIALS.
9. RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3-FEET, TYPICAL.
10. SIDEWALKS AND CURBS SHALL BE INSTALLED IN ACCORDANCE WITH THE HIGHWAY DEPARTMENT'S SPECIFICATIONS FOR SIDEWALKS AND CURBS.
11. ALL ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.
12. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR PROPOSED SANITARY BUILDING CONNECTION.
13. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
14. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

ZONING REQUIREMENTS

ZONING DISTRICT	LIO - LIGHT INDUSTRIAL-OFFICE DISTRICT		
EXISTING USE	OFFICE		
PROPOSED USE	DATA CENTER		
	APPROVED (PHASE 1)	**REQUIRED (PHASE 1 & 2)**	**PROPOSED (PHASE 1 & 2)**
MIN. LOT AREA	33.93 AC	2 AC	33.93 AC
MIN. LOT WIDTH	1500 FT	300 FT	1500 FT
FRONT YARD SETBACK	177.7 FT	100 FT	177.7 FT
SIDE YARD SETBACK	100 FT	100 FT	100 FT
TOTAL SIDE YARD SETBACK	821.6 FT	200 FT	315.8 FT
REAR YARD SETBACK	100.6 FT	100 FT	100 FT
YARD OBSTRUCTION SETBACK	100 FT	100 FT	100 FT
MAX. FLOOR AREA RATIO	0.13	0.4	0.18
MAX. BUILDING HEIGHT	32 FT	67'-6"[1]	37'-10"

[1] MAXIMUM HEIGHT SHALL BE 3 INCHES PER FOOT OF DISTANCE FROM NEAREST LOT LINE AND MAXIMUM BUILDING HEIGHTS ARE SUBJECT TO 5.111, WITH THE DESIGNATED STREET LINE BEING USED AS THE LOT LINE.
(V*) - VARIANCE REQUESTED

PARKING REQUIREMENTS

	APPROVED (PHASE 1)	**REQUIRED (PHASE 1 & 2)**	**PROPOSED (PHASE 1 & 2)**
STANDARD SPACES	9 FT X 18 FT	9 FT X 18 FT	9 FT X 18 FT
WAREHOUSE (1 SP / 300 SF)	-	972 SPACES	-
OFFICE (1 SP / 200 SF GFA)	-	292 SPACES	-
TOTAL (STANDARD & ADA)	69 SPACES (V)	1264 SPACES	69 (V*)
ADA SPACES	STANDARD: 9 FT X 18 FT VAN: 11 FT X 18 FT	STANDARD: 8 FT X 18 FT VAN: 11 FT X 18 FT	STANDARD: 9 FT X 18 FT VAN: 11 FT X 18 FT
STANDARD ACCESSIBLE	5 SPACES	19 SPACES	5 SPACES
VAN ACCESSIBLE	1 SPACE	4 SPACES	1 SPACE
LOADING SPACES			
OFFICE & WAREHOUSE	2 SPACES (V)	18 SPACES	4 SPACES (V*)

(V) - VARIANCE GRANTED SEPTEMBER 21, 2022 (ZBA #22-56)
(V*) - VARIANCE REQUESTED

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
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DATABANK

STATE OF NEW YORK DANIEL LO FRISO No. 099057 LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

OVERALL SITE PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-3.0

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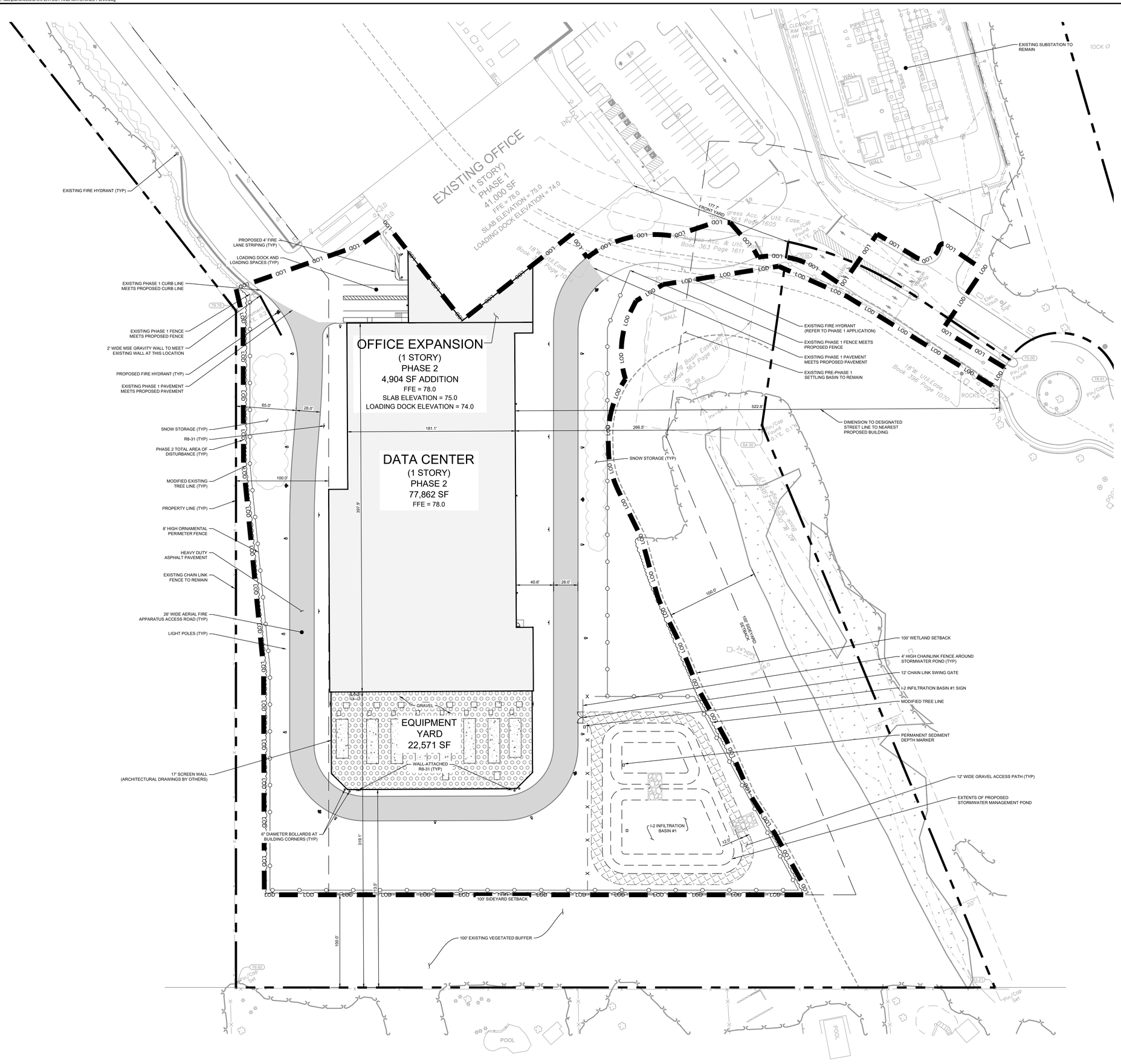

LEGEND

- PROPERTY LINE
- 100' SIDEYARD SETBACK
- LOD — TOTAL AREA OF DISTURBANCE (7.56 AC)
- 20' WIDE DRAINAGE EASEMENT
- BUILDING
- HEAVY DUTY FLEXIBLE BITUMINOUS PAVEMENT
- STANDARD DUTY FLEXIBLE BITUMINOUS PAVEMENT
- CONCRETE
- EQUIPMENT YARD (STONE)
- GRAVEL
- 8' HIGH BLACK IRON ORNAMENTAL FENCE
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- CONCRETE FLUSH CURB
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14. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

SIGN LEGEND

M.U.T.C.D. Number	Specification		SIGN
	Width	Height	
R1-1	30"	30"	STOP
R8-31	24"	30"	NO PARKING FIRE LANE

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NEW YORK 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FRISO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT 112578002
DATE 06/12/2024
SCALE: AS SHOWN
DESIGNED BY: TAS
DRAWN BY: KC
CHECKED BY: DL

PARTIAL SITE PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-3.1

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k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-3.X VEHICLE MANUEVERING PLAN.dwg

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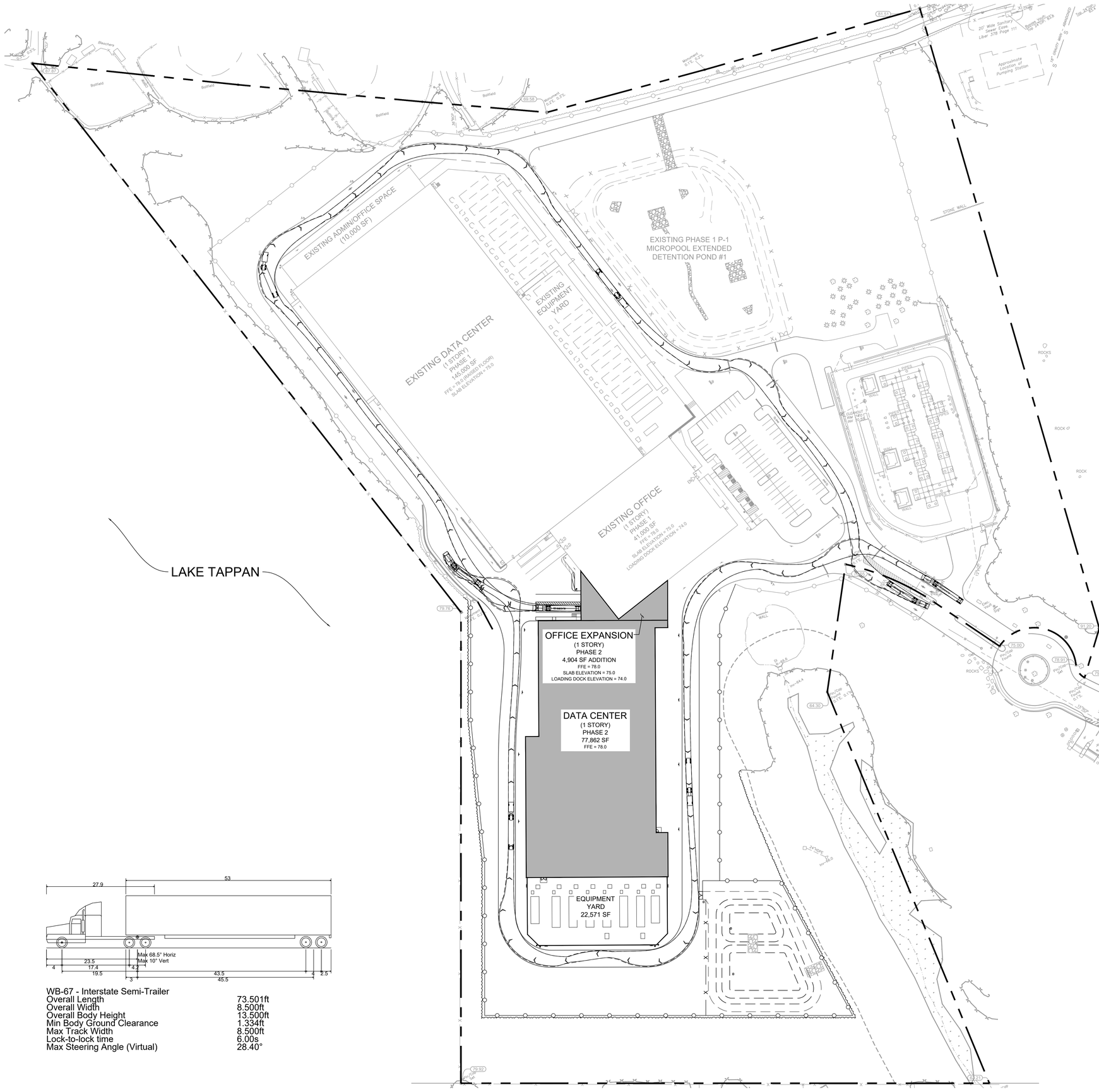
Saved Tuesday, December 23, 2025 2:30:42 PM DYLAN.ULANER Plotted Thursday, January 29, 2026 12:25:50 PM Chen, Kitty

SITE NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.



WB-67 - Interstate Semi-Trailer	
Overall Length	73.501ft
Overall Width	8.500ft
Overall Body Height	13.500ft
Min Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	28.40°

NORTH

GRAPHIC SCALE IN FEET
0 30 60 120

NO.	DESCRIPTION	DATE
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DATABANK

STATE OF NEW YORK
DANIEL LO FRISCO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

VEHICLE MANUEVERING (WB TRUCK)

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-3.2

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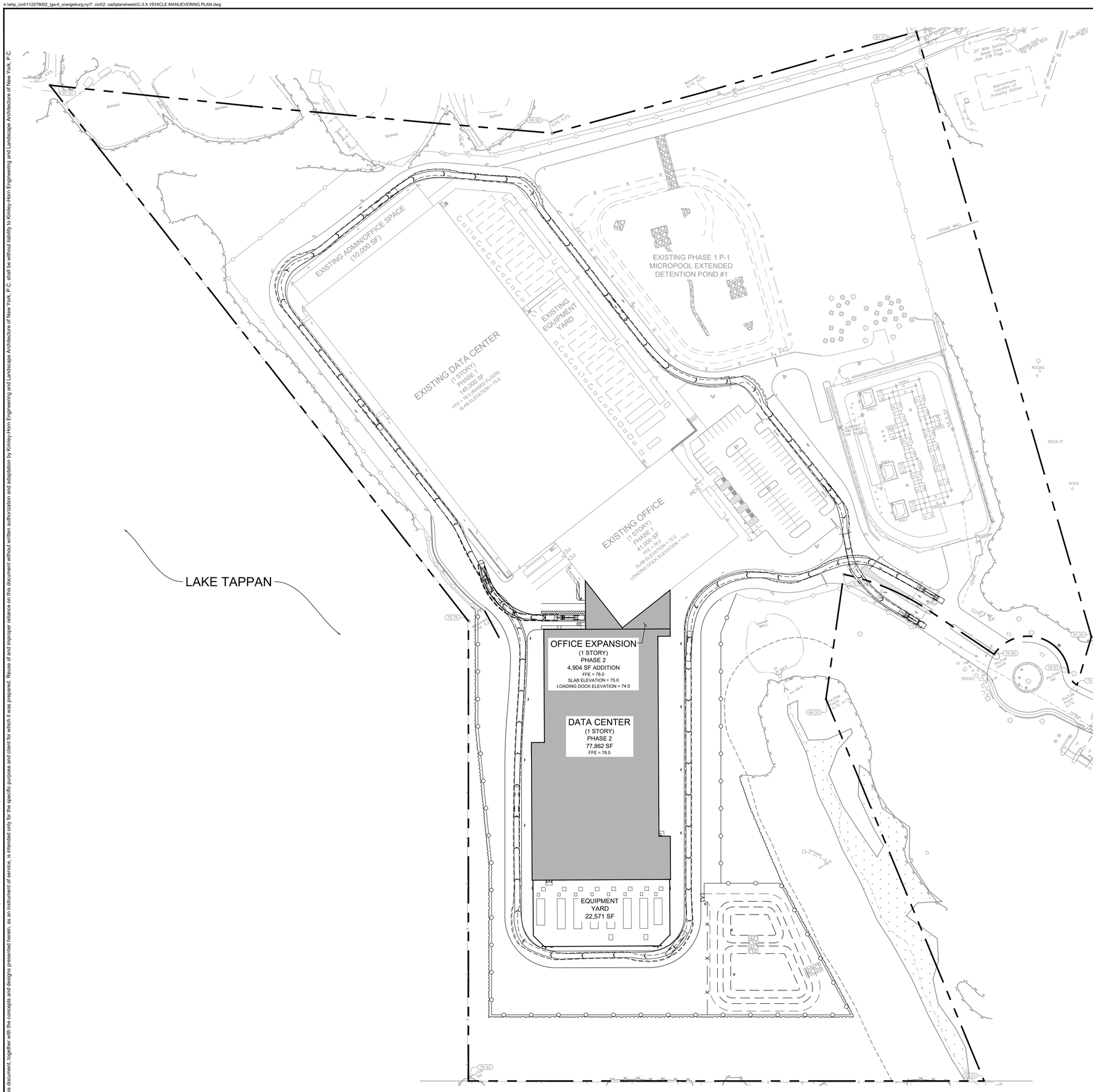

SITE NOTES

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GRAPHIC SCALE IN FEET
0 30 60 120

NO.	DESCRIPTION	DATE
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1	ISSUED FOR PRC REVIEW	06/12/2024

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WHITE PLAINS, NY 10601
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WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FRISCO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

VEHICLE MANUEVERING (FIRETRUCK)

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-3.3

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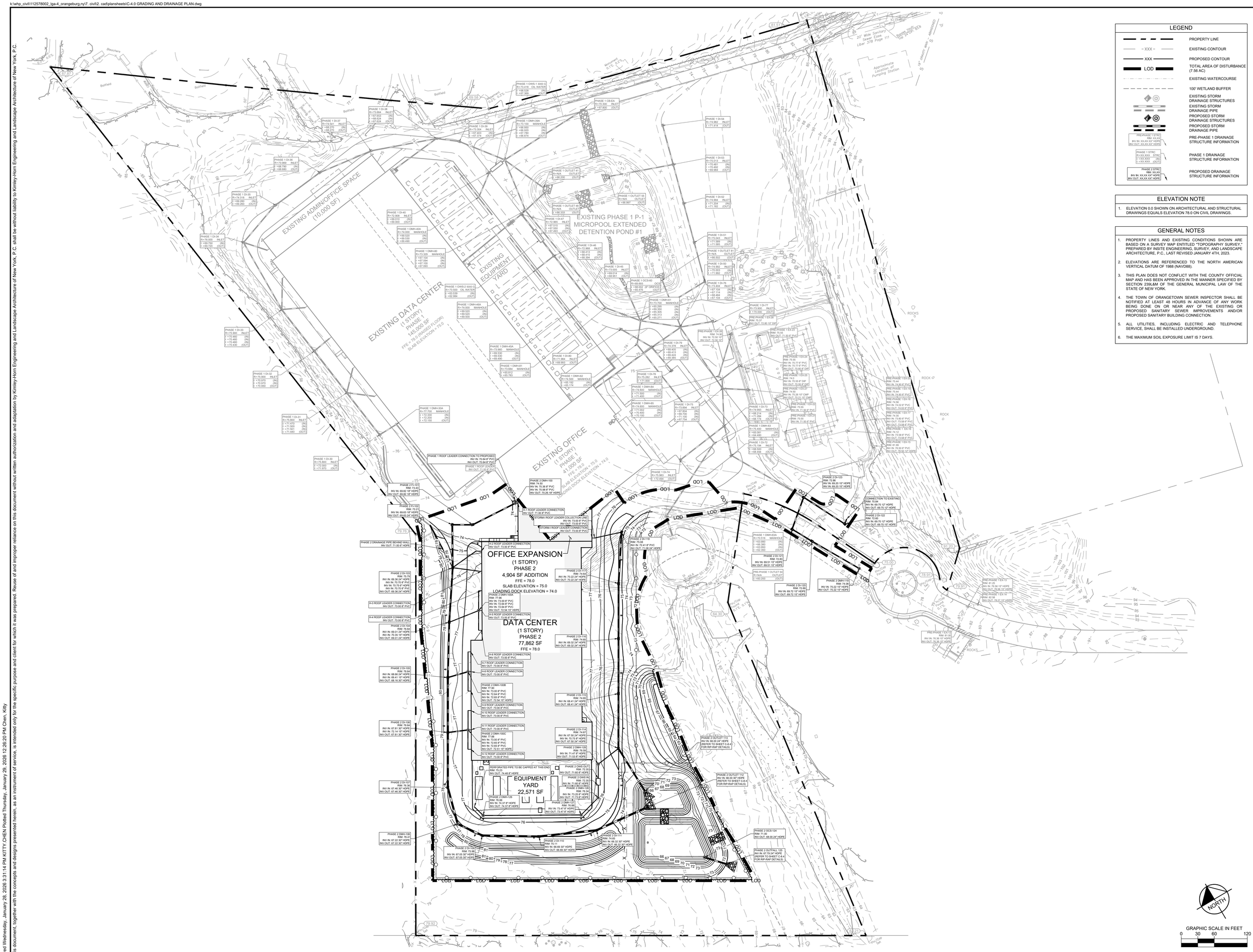

Saved Wednesday, January 28, 2026 3:31:14 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:26:20 PM Chen, Kitty

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LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TOTAL AREA OF DISTURBANCE (7.56 AC)
- EXISTING WATERCOURSE
- 100' WETLAND BUFFER
- EXISTING STORM DRAINAGE STRUCTURES
- EXISTING STORM DRAINAGE PIPE
- PROPOSED STORM DRAINAGE STRUCTURES
- PROPOSED STORM DRAINAGE PIPE
- PRE-PHASE 1 DRAINAGE STRUCTURE INFORMATION
- PHASE 1 DRAINAGE STRUCTURE INFORMATION
- PROPOSED DRAINAGE STRUCTURE INFORMATION

ELEVATION NOTE

1. ELEVATION 0.0 SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS EQUALS ELEVATION 78.0 ON CIVIL DRAWINGS.

GENERAL NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
2. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239LM OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
4. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR PROPOSED SANITARY BUILDING CONNECTION.
5. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
6. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

GRAPHIC SCALE IN FEET
0 30 60 120

NO.	DESCRIPTION	DATE
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FOR PERMIT REVIEW

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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK — DANIEL LO FRISO — No. 095006 — LICENSED PROFESSIONAL ENGINEER

01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

OVERALL GRADING AND DRAINAGE PLAN

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN — NEW YORK

SHEET NUMBER
C-4.0

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Saved Wednesday, January 28, 2026 3:31:14 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:28:25 PM Chen, Kitty

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EXISTING OFFICE (1 STORY) PHASE 1 41,000 SF FFE = 78.0 SLAB ELEVATION = 75.0 LOADING DOCK ELEVATION = 74.0

OFFICE EXPANSION (1 STORY) PHASE 2 4,904 SF ADDITION FFE = 78.0 SLAB ELEVATION = 75.0 LOADING DOCK ELEVATION = 74.0

DATA CENTER (1 STORY) PHASE 2 77,862 SF FFE = 78.0

EQUIPMENT YARD 22,571 SF

PHASE 1 DI-31 R=75.800 INLET I =71.470 (IN) I =71.500 (IN) I =71.501 (IN) I =71.440 (OUT)

PHASE 1 DI-30 R=75.800 INLET I =72.000 (IN) I =71.970 (OUT)

PHASE 1 DMH-30A R=77.700 MANHOLE I =72.330 (IN) I =72.200 (IN) I =72.150 (OUT)

PHASE 1 DI-78 R=75.282 INLET I =71.000 (OUT)

PHASE 1 DMH-84 R=74.600 MANHOLE I =71.500 (IN) I =71.400 (OUT)

PHASE 1 DMH-85 R=74.600 MANHOLE I =71.002 (IN) I =70.400 (IN) I =70.100 (OUT)

PHASE 1 DI-75 R=73.894 INLET I =67.804 (IN) I =69.700 (IN) I =71.100 (IN) I =67.754 (OUT)

PHASE 1 DI-73 R=74.993 INLET I =68.214 (IN) I =71.284 (IN) I =68.174 (OUT)

PHASE 1 DMH-63 R=75.400 MANHOLE I =65.081 (IN) I =64.480 (OUT)

PHASE 1 DI-72 R=75.194 INLET I =68.500 (IN) I =68.494 (OUT)

PHASE 1 DI-74 R=75.983 INLET I =72.494 (OUT)

PHASE 1 ROOF LEADER CONNECTION TO PROPOSED INV IN: 70.64 8" PVC INV OUT: 70.64 8" PVC

PHASE 1 ROOF LEADER INV OUT: 71.00 8" PVC

5 LF OF 8" PVC @ 0.00%

29 LF OF 8" PVC @ 1.25%

5 LF OF 8" PVC @ 6.02%

PHASE 2 DMH-100 RIM: 74.50 INV IN: 70.36 8" PVC INV IN: 70.98 8" PVC INV OUT: 70.26 18" HDPE

H-1 ROOF LEADER CONNECTION INV OUT: 71.00 8" PVC

STORM-I ROOF LEADER COLLECTION LINE INV IN: 73.00 8" PVC INV OUT: 73.00 8" PVC

STORM-I ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

PHASE 2 FI-101 RIM: 73.43 INV IN: 69.82 18" HDPE INV OUT: 69.82 18" HDPE

37 LF OF 18" HDPE @ 0.50%

PHASE 2 FI-102 RIM: 73.21 INV IN: 69.63 18" HDPE INV OUT: 69.63 24" HDPE

87 LF OF 18" HDPE @ 0.50%

PROPOSED RETAINING WALL

PHASE 2 DRAINAGE PIPE BEHIND WALL INV OUT: 71.00 6" HDPE

39 LF OF 6" HDPE @ 0.65%

78 LF OF 24" HDPE @ 0.30%

52 LF OF 8" PVC @ 4.45%

PHASE 2 DI-103 RIM: 75.79 INV IN: 69.36 24" HDPE INV IN: 70.70 8" PVC INV IN: 70.75 6" HDPE INV IN: 70.70 8" PVC INV OUT: 69.36 24" HDPE

48 LF OF 8" PVC @ 4.84%

H-3 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

99 LF OF 24" HDPE @ 0.35%

H-4 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

PHASE 2 DI-104 RIM: 76.64 INV IN: 69.01 24" HDPE INV IN: 70.35 15" HDPE INV OUT: 69.01 24" HDPE

101 LF OF 24" HDPE @ 0.35%

38 LF OF 15" HDPE @ 6.16%

PHASE 2 DI-105 RIM: 76.64 INV IN: 68.66 24" HDPE INV IN: 69.41 15" HDPE INV OUT: 68.16 30" HDPE

35 LF OF 8" PVC @ 1.00%

100 LF OF 30" HDPE @ 0.35%

37 LF OF 15" HDPE @ 1.00%

PHASE 2 DI-106 RIM: 76.64 INV IN: 67.81 30" HDPE INV IN: 72.14 15" HDPE INV OUT: 67.81 30" HDPE

35 LF OF 8" PVC @ 1.00%

100 LF OF 30" HDPE @ 0.35%

PHASE 2 DI-107 RIM: 76.36 INV IN: 67.46 30" HDPE INV OUT: 67.46 30" HDPE

69 LF OF 30" HDPE @ 0.35%

PHASE 2 DMH-108 RIM: 76.41 INV IN: 67.22 30" HDPE INV OUT: 67.22 30" HDPE

50 LF OF 30" HDPE @ 0.35%

PHASE 2 DI-109 RIM: 75.98 INV IN: 67.05 30" HDPE INV OUT: 67.05 30" HDPE

74.50 TC 74.00 BC

75.38 TC 74.88 BC

74.71 TC 74.21 BC

73.75

73.84

73.80

73.95

73.97

74.35 BW 73.29 TW

74.09 TC 73.59 BC

76.00 TW 75.75 BW

76.14 TC 75.64 BC

76.29 TC 75.79 BC

77.50 TC 77.00 BC

77.76 TC 77.26 BC

77.19 TC 77.19 BC

77.17 TC 76.67 BC

77.77 TC 77.27 BC

77.25 TC 76.75 BC

79.00

81.00

77.29 TC 76.79 BC

76.77 TC 76.27 BC

76.05 TC 76.05 BC

76.03 TC 75.53 BC

PERFORATED PIPE TO BE CAPPED AT THIS END RIM: 75.23 INV OUT: 74.48 8" HDPE

PHASE 2 DMH-100A RIM: 77.96 INV IN: 73.00 8" PVC INV IN: 72.64 8" PVC INV IN: 72.64 8" PVC INV OUT: 72.54 15" HDPE

R-2 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

R-5 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

36 LF OF 8" PVC @ 1.00%

R-6 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

58 LF OF 15" HDPE @ 3.81%

R-7 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

36 LF OF 8" PVC @ 1.00%

R-8 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

PHASE 2 DMH-100B RIM: 77.90 INV IN: 73.00 8" PVC INV IN: 72.64 8" PVC INV IN: 72.65 8" PVC INV OUT: 72.54 15" HDPE

R-9 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

R-10 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

R-11 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

PHASE 2 DMH-100C RIM: 77.88 INV IN: 73.00 8" PVC INV IN: 72.65 8" PVC INV IN: 72.65 8" PVC INV OUT: 72.51 15" HDPE

R-12 ROOF LEADER CONNECTION INV OUT: 73.00 8" PVC

50 LF OF 8" PVC @ 1.18%

PHASE 2 DI-118 RIM: 75.08 INV IN: 72.41 8" PVC INV OUT: 71.08 24" HDPE

75.92 TC 75.42 BC

75.50 TC 75.00 BC

75.28 TC 74.78 BC

76.26 TC 75.76 BC

94 LF OF 24" HDPE @ 0.91%

PHASE 2 DI-117 RIM: 74.64 INV IN: 70.22 24" HDPE INV OUT: 70.22 24" HDPE

100 LF OF 24" HDPE @ 0.91%

PHASE 2 DI-116 RIM: 74.65 INV IN: 69.32 24" HDPE INV OUT: 69.32 24" HDPE

100 LF OF 24" HDPE @ 0.91%

PHASE 2 DI-115 RIM: 74.65 INV IN: 68.41 24" HDPE INV OUT: 68.41 24" HDPE

PHASE 2 DI-114 RIM: 74.67 INV IN: 67.50 24" HDPE INV IN: 70.75 8" HDPE INV OUT: 67.50 24" HDPE

92 LF OF 24" HDPE @ 1.64%

46 LF OF 8" HDPE @ 1.67%

PHASE 2 DMH-129 RIM: 76.59 INV IN: 71.47 8" HDPE INV OUT: 71.53 8" HDPE

26 LF OF 8" HDPE @ 0.50%

PHASE 2 OWS OUT RIM: 72.35 INV OUT: 71.60 8" HDPE

PHASE 2 OWS IN RIM: 72.35 INV IN: 71.60 8" HDPE

23 LF OF 8" HDPE @ 0.55%

PHASE 2 DMH-128 RIM: 76.34 INV IN: 73.25 8" HDPE INV OUT: 71.73 8" HDPE

74.99 FC

75.22 FC

75.98 TC 75.48 BC

PHASE 2 DMH-127 RIM: 76.88 INV IN: 73.47 8" HDPE INV OUT: 73.47 8" HDPE

97 LF OF 30" HDPE @ 0.33%

44 LF OF 8" HDPE @ 0.50%

178 LF OF 8" HDPE @ 0.50%

75.81 TC 75.31 BC

75.29 TC 74.79 BC

103 LF OF 30" HDPE @ 0.35%

PHASE 2 DI-110 RIM: 75.11 INV IN: 66.69 30" HDPE INV OUT: 66.69 30" HDPE

PHASE 2 DI-111 RIM: 74.65 INV IN: 66.32 30" HDPE INV OUT: 66.32 30" HDPE

105 LF OF 30" HDPE @ 0.35%

75.46 TC 74.96 BC

PHASE 2 DI-123 RIM: 72.86 INV IN: 69.20 15" HDPE INV IN: 69.20 15" HDPE

CONNECTION TO EXISTING RIM: 70.84 INV IN: 69.75 12" HDPE INV OUT: 69.75 12" HDPE

PHASE 2 DI-122 RIM: 72.60 INV IN: 69.70 12" HDPE INV OUT: 69.70 15" HDPE

PHASE 1 DMH-63A R=70.516 MANHOLE I =63.990 (IN) I =66.380 (IN) I =63.950 (IN) I =62.350 (OUT)

PHASE 2 DI-121 RIM: 72.80 INV IN: 69.51 15" HDPE INV OUT: 69.51 15" HDPE

PHASE 2 DI-120 RIM: 72.69 INV IN: 69.72 15" HDPE INV OUT: 69.72 15" HDPE

PHASE 2 DMH-119 RIM: 74.08 INV IN: 70.22 15" HDPE INV OUT: 70.22 15" HDPE

PRE-PHASE 1 EX-24 RIM: 75.55 INV IN: 70.77 6" PVC INV IN: 70.77 6" PVC INV OUT: 70.60 8" DIP

PRE-PHASE 1 EX-25 RIM: 74.0 INV IN: 70.55 8" DIP INV OUT: 70.55 8" DIP

PRE-PHASE 1 EX-27 RIM: 74.50 INV IN: 70.26 10" CMP INV OUT: 70.21 15" CMP

PRE-PHASE 1 EX-22 RIM: 75.55 INV IN: 71.50 6" PVC

PRE-PHASE 1 EX-21 RIM: 75.55 INV IN: 71.50 8" PVC

EXISTING SUBSTATION

6" PERFORATED PVC UNDERDRAIN

10" PERFORATED CMP UNDERDRAIN

PRE-PHASE 1 EX-20 RIM: 75.44 INV IN: 74.90 6" PVC

PRE-PHASE 1 EX-19 RIM: 75.44 INV IN: 74.90 6" PVC

PRE-PHASE 1 EX-18 RIM: 74.56 INV IN: 74.02 6" PVC INV OUT: 74.02 6" PVC

PRE-PHASE 1 EX-17 RIM: 74.35 INV IN: 73.80 6" PVC INV OUT: 73.58 6" PVC INV OUT: 73.58 6" PVC

PRE-PHASE 1 EX-16 RIM: 74.12 INV IN: 73.58 6" PVC INV OUT: 73.58 6" PVC

PRE-PHASE 1 EX-15 RIM: 81.99 INV IN: 76.50 6" PVC INV OUT: 76.50 12" HDPE

PRE-PHASE 1 EX-13 RIM: 81.25 INV IN: 76.56 15" HDPE INV OUT: 76.56 15" HDPE

PRE-PHASE 1 EX-14 RIM: 82.58 INV OUT: 78.27 15" HDPE

PRE-PHASE 1 EX-12 RIM: 81.00 INV IN: 76.36 15" HDPE INV OUT: 76.36 15" HDPE

OWS-1 (MODEL 7000 OIL WATER)

I-2 INFILTRATION BASIN #1 SIGN

PHASE 2 OUTLET 113 INV IN: 66.00 24" HDPE (REFER TO SHEET C-8.4 FOR RIP-RAP DETAILS)

PERMANENT SEDIMENT DEPTH MARKERS

PHASE 2 OUTLET 112 INV IN: 66.00 30" HDPE (REFER TO SHEET C-8.4 FOR RIP-RAP DETAILS)

PERMANENT SEDIMENT DEPTH MARKERS

EMERGENCY SPILLWAY EL = 72.0

PHASE 2 OCS-124 RIM: 71.00 INV OUT: 68.00 24" HDPE

41 LF OF 24" HDPE @ 0.50%

PHASE 2 OUTFALL 125 INV IN: 67.79 24" HDPE (REFER TO SHEET C-8.4 FOR RIP-RAP DETAILS)

100' EXISTING VEGETATED BUFFER

PHASE 2 I-2 INFILTRATION BASIN #1 BOB: 66.0 TOB: 73.0'

PHASE 2 OCS-124 RIM: 71.0 2' W X 1' H RECTANGULAR WEIR: 69.0 4' X 4' HORIZONTAL GRATE INLET: 71.0 INV OUT: 68.0 24" HDPE (REFER TO DETAIL ON SHEET C-8.3)

LEGEND

- PROPERTY LINE
- XXX EXISTING CONTOUR
- XXX PROPOSED CONTOUR
- LOD TOTAL AREA OF DISTURBANCE (7.56 AC)
- EXISTING WATERCOURSE
- 100' WETLAND BUFFER
- EXISTING STORM DRAINAGE STRUCTURES
- EXISTING STORM DRAINAGE PIPE
- PROPOSED STORM DRAINAGE STRUCTURES
- PROPOSED STORM DRAINAGE PIPE
- PRE-PHASE 1 DRAINAGE STRUCTURE INFORMATION
- PHASE 1 DRAINAGE STRUCTURE INFORMATION
- PROPOSED DRAINAGE STRUCTURE INFORMATION

STRUCTURE TITLE ABBREVIATIONS

DI-XX	DRAINAGE INLET
FI-XX	FIELD INLET
DMH-XX	DRAINAGE MANHOLE
OCS-XX	OUTLET CONTROL STRUCTURE
OWS-XX	OIL/WATER SEPARATOR
EX-XX	EXISTING STRUCTURE

ELEVATION NOTE

1. ELEVATION 0.0 SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS EQUALS ELEVATION 78.0 ON CIVIL DRAWINGS.

GENERAL NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY " PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
2. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
4. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR PROPOSED SANITARY BUILDING CONNECTION.
5. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
6. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

NORTH

GRAPHIC SCALE IN FEET 0 20 40 80

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK DANIEL LO FRISCIA No. 099001 LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002		
DATE	06/12/2024		
SCALE:	AS SHOWN	DESIGNED BY:	TAS
		DRAWN BY:	KC
		CHECKED BY:	DL

PARTIAL GRADING AND DRAINAGE PLAN

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER C-4.1

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LEGEND

(line)	PROPERTY LINE
LOD	TOTAL AREA OF DISTURBANCE (7.56 AC)
(line)	EXISTING WATERCOURSE
(line)	100' WETLAND BUFFER
PRE-PHASE 1 STRC RIM: XX.XX INV IN: XX.XX XX" HDPE INV OUT: XX.XX XX" HDPE	PRE-PHASE 1 DRAINAGE STRUCTURE INFORMATION
PHASE 1 STRC R=XX.XXX STRC I =XX.XXX (IN) I =XX.XXX (OUT)	PHASE 1 DRAINAGE STRUCTURE INFORMATION
PHASE 2 STRC RIM: XX.XX INV IN: XX.XX XX" HDPE INV OUT: XX.XX XX" HDPE	PROPOSED DRAINAGE STRUCTURE INFORMATION

STORMWATER PIPE NETWORK LEGEND

- MODIFIED STORM-B
- STORM-B-4
- STORM-H
- STORM-I
- STORM-I-1
- STORM-J
- STORM-K
- ROOF LEADERS

ELEVATION NOTE

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6. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.
7. THIS SHEET IS IN COLOR AND VALID ONLY WHEN PRINTED IN COLOR.

GRAPHIC SCALE IN FEET: 0, 30, 60, 120

NORTH

NO.	DESCRIPTION	DATE
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PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK · DANIEL LO FRISCO · No. 090067 · LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

STORMWATER PIPE NETWORK PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-4.2

Saved Wednesday, January 28, 2026 4:11:02 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:26:46 PM Chen, Kitty

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k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-4.X STORMWATER PROFILE PLAN.dwg

Saved Thursday, January 22, 2026 6:06:54 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:27:09 PM Chen, Kitty

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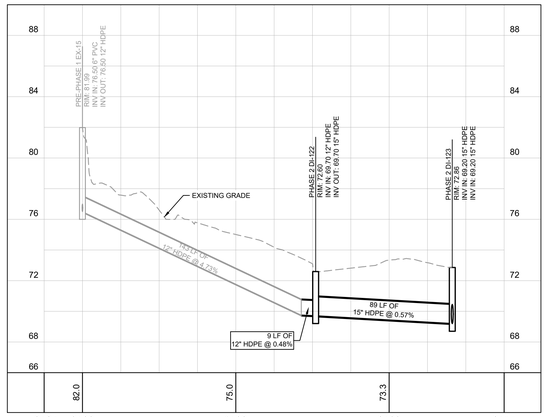
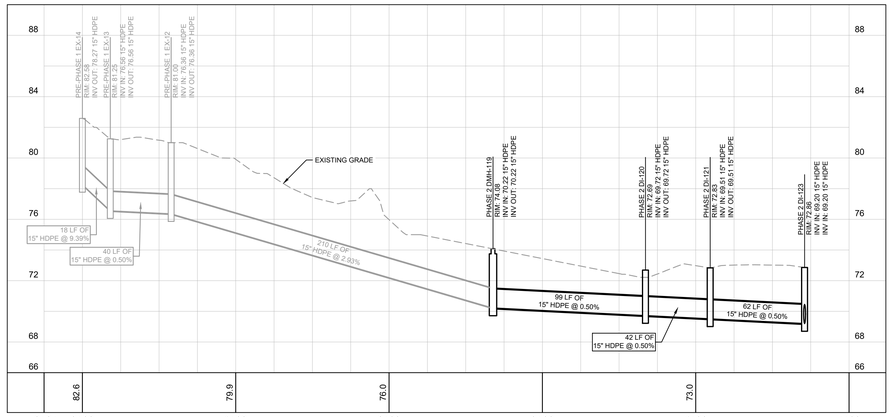


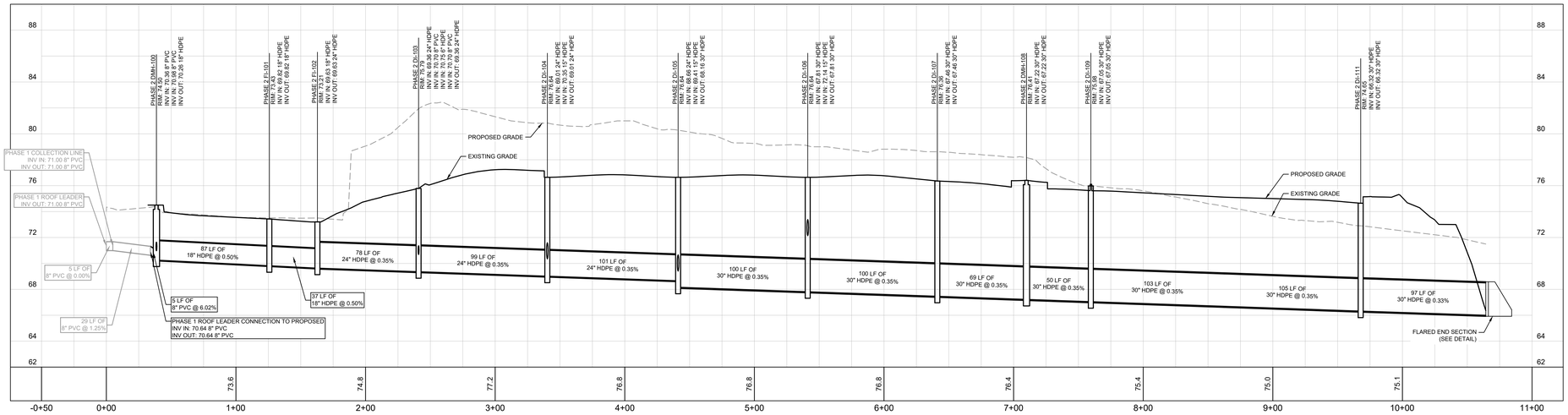
MODIFIED STORM B

SCALE: 1" = 40' H
1" = 4' V



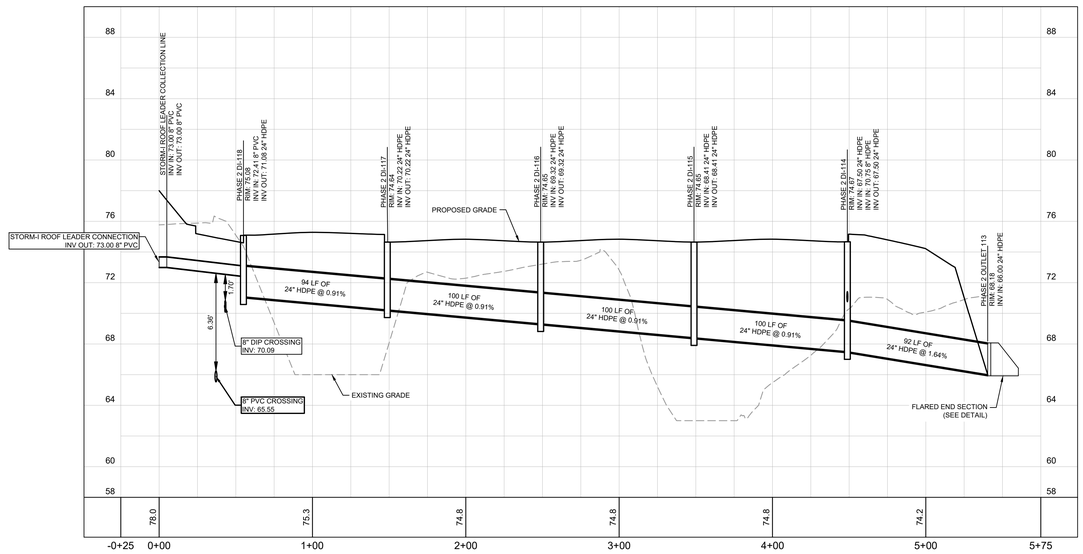
STORM-B-4

SCALE: 1" = 40' H
1" = 4' V



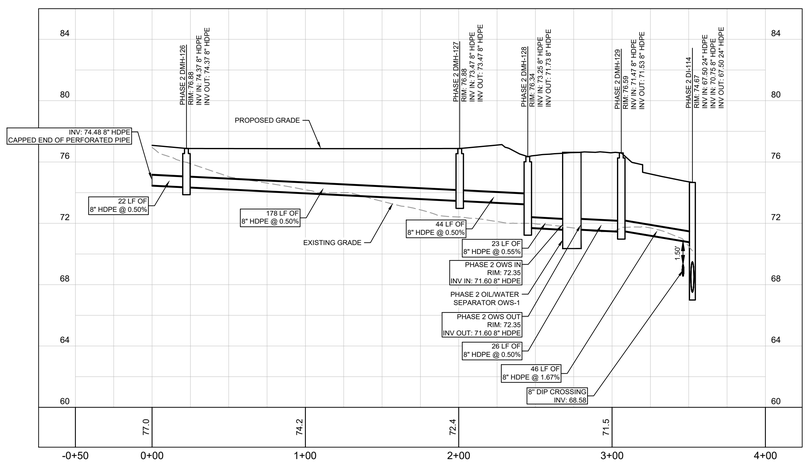
STORM-H

SCALE: 1" = 40' H
1" = 4' V



STORM-I

SCALE: 1" = 40' H
1" = 4' V



STORM I-1

SCALE: 1" = 40' H
1" = 4' V

GRAPHIC SCALE IN FEET
0 20 40 80
HORIZONTAL

0 2 4 8
VERTICAL

NO.	DESCRIPTION	DATE
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WHITE PLAINS, NY 10601
PHONE: 914-368-9200
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DATABANK

STATE OF NEW YORK
DANIEL LO FRISO
090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT 112578002
DATE 06/12/2024
SCALE: AS SHOWN
DESIGNED BY: TAS
DRAWN BY: KC
CHECKED BY: DL

STORMWATER PROFILE PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN
NEW YORK

SHEET NUMBER
C-4.3

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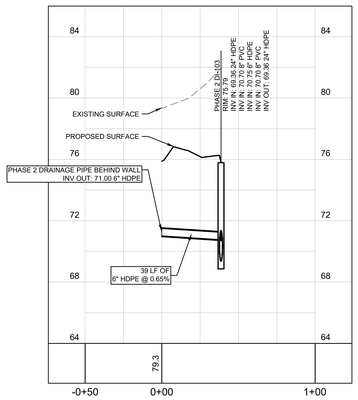
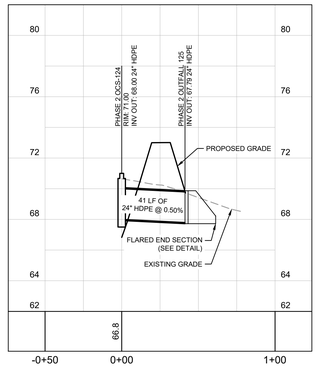


STORM-J
SCALE: 1" = 40' H
1" = 4' V



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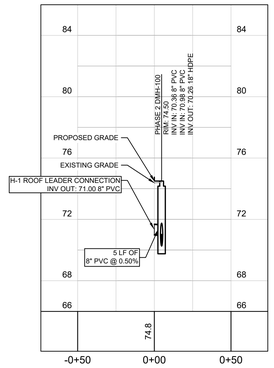

STORM-H-1
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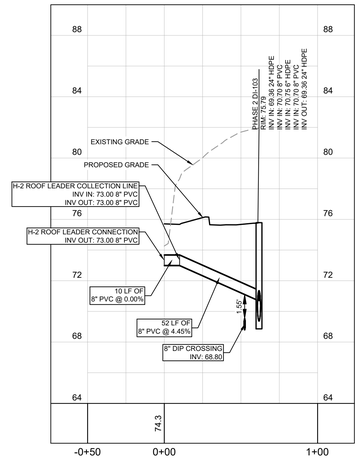

STORM-H-2
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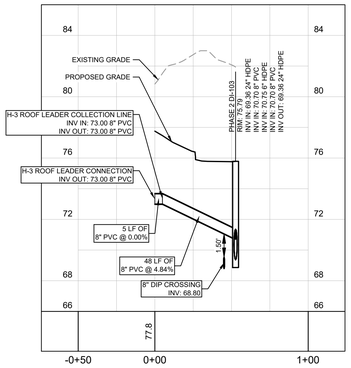

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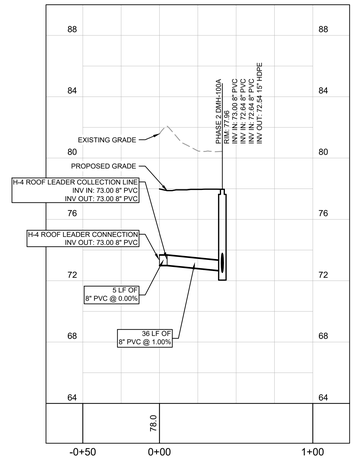

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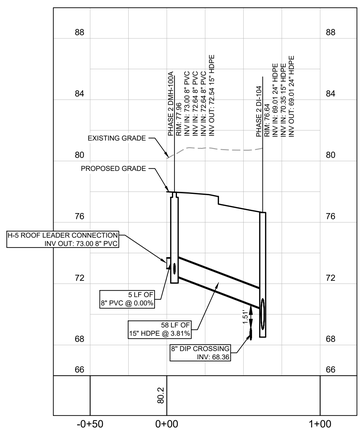

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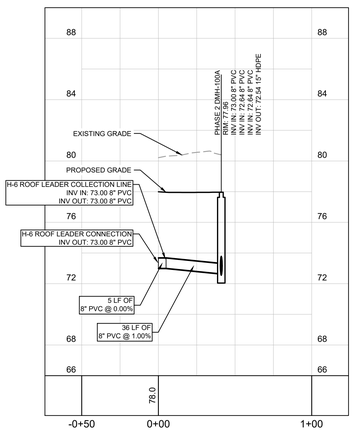
1" = 4' V



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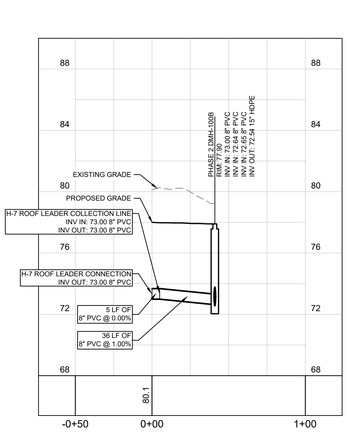

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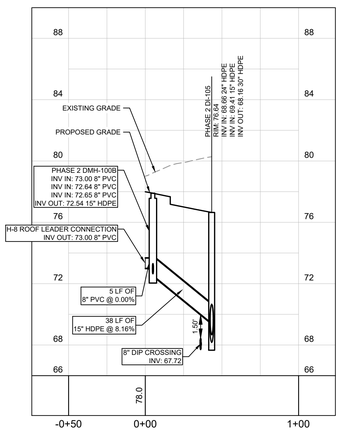
1" = 4' V



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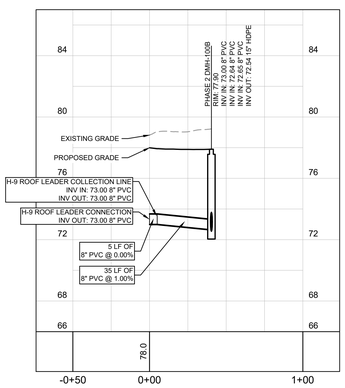
1" = 4' V



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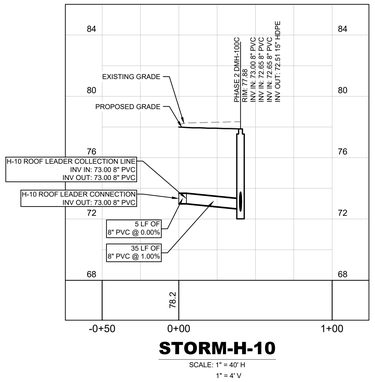
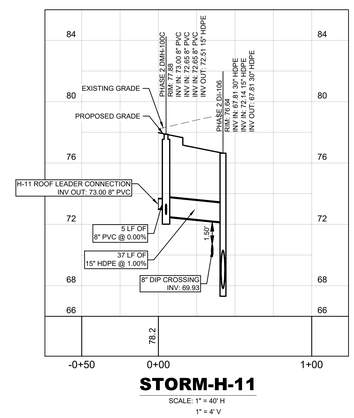


STORM-H-10
SCALE: 1" = 40' H
1" = 4' V



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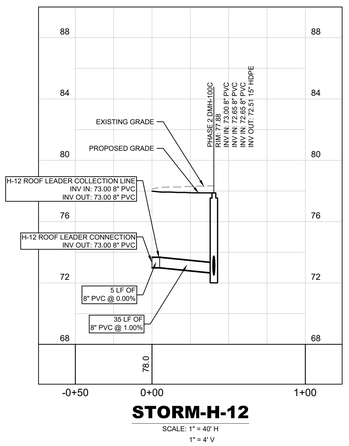

STORM-H-12
SCALE: 1" = 40' H
1" = 4' V

GRAPHIC SCALE IN FEET
0 ## ## ##
HORIZONTAL

0 2 4 8
VERTICAL

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DATABANK

STATE OF NEW YORK
DANIEL LO FRISO
No. 090087
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002			
DATE	06/12/2024			
SCALE:	AS SHOWN	DESIGNED BY:	TAS	
		DRAWN BY:	KC	
		CHECKED BY:	DL	

STORMWATER PROFILE PLAN

DATABANK ORANGEBURG
PHASE 2
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TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-4.4

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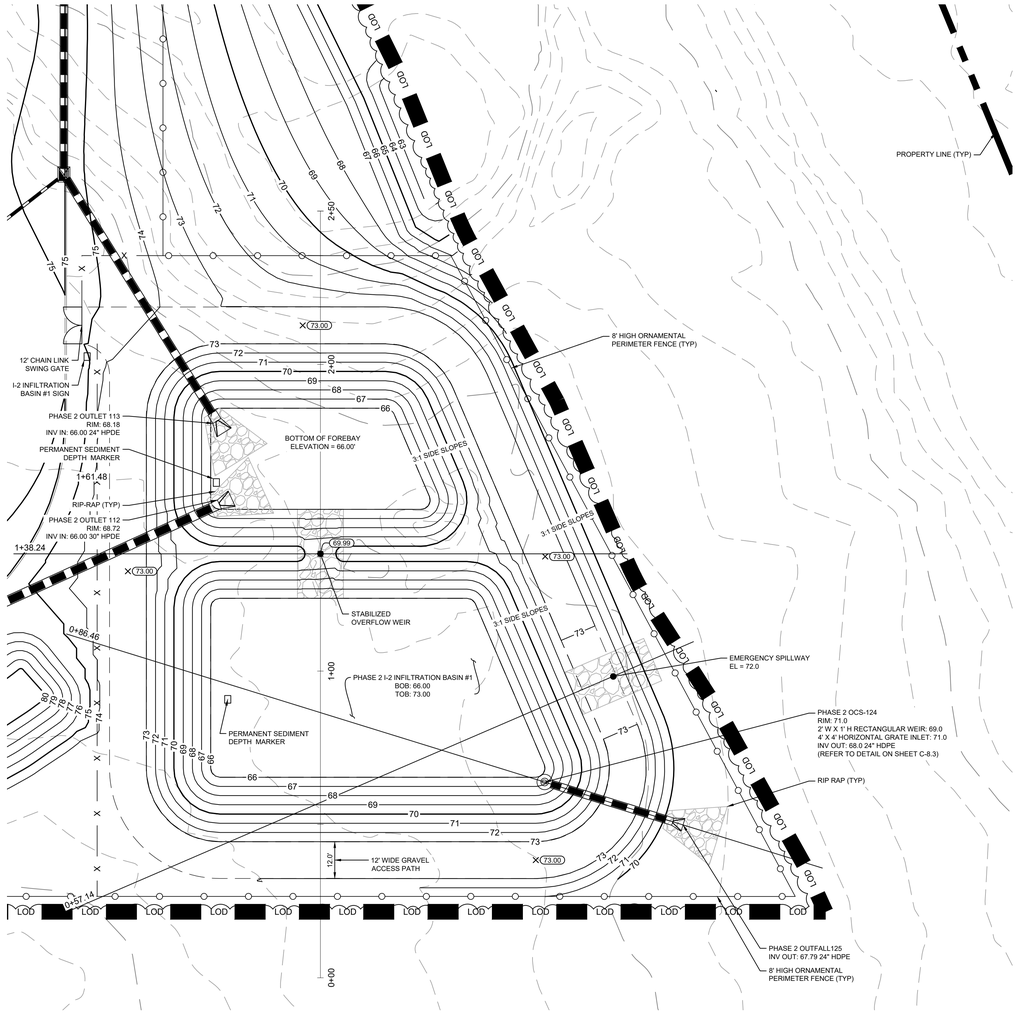
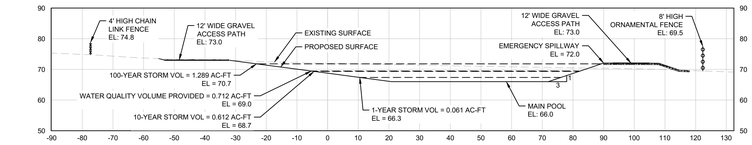
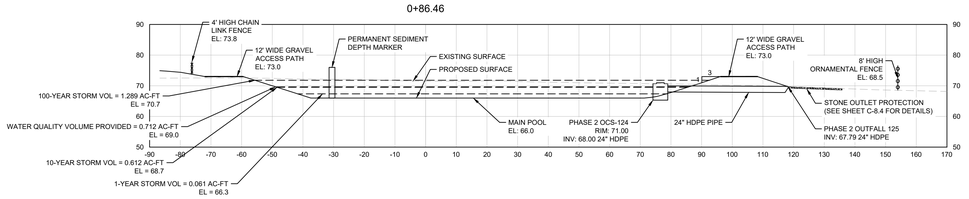
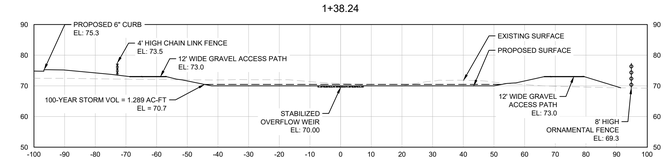
k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-4.X INFILTRATION BASIN 1 ENLARGED VIEW.dwg

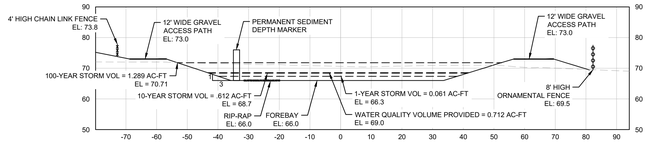


I-2 INFILTRATION BASIN #1 ENLARGED VIEW









GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL

0 10 20 40
VERTICAL

LEGEND

	PROPERTY LINE
– XXX –	EXISTING CONTOUR
XXX	PROPOSED CONTOUR
LOD	TOTAL AREA OF DISTURBANCE (7.56 AC)
	EXISTING WATERCOURSE
	100' NYSDEC WETLAND BUFFER
73.00	SPOT ELEVATION
	PROPOSED STORM DRAINAGE STRUCTURES
	PROPOSED STORM DRAINAGE PIPE
	INFILTRATION TEST PIT LOCATION

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

ELEVATION NOTE

1. ELEVATION 0.0 SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS EQUALS ELEVATION 78.0 ON CIVIL DRAWINGS.

GENERAL NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
2. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239LΔM OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
4. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR PROPOSED SANITARY BUILDING CONNECTION.
5. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
6. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn
New York

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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FRISCO
No. 090057
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

INFILTRATION BASIN ENLARGED VIEW

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-4.5

Saved Wednesday, January 28, 2026 4:10:49 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:27:51 PM Chen, Kitty

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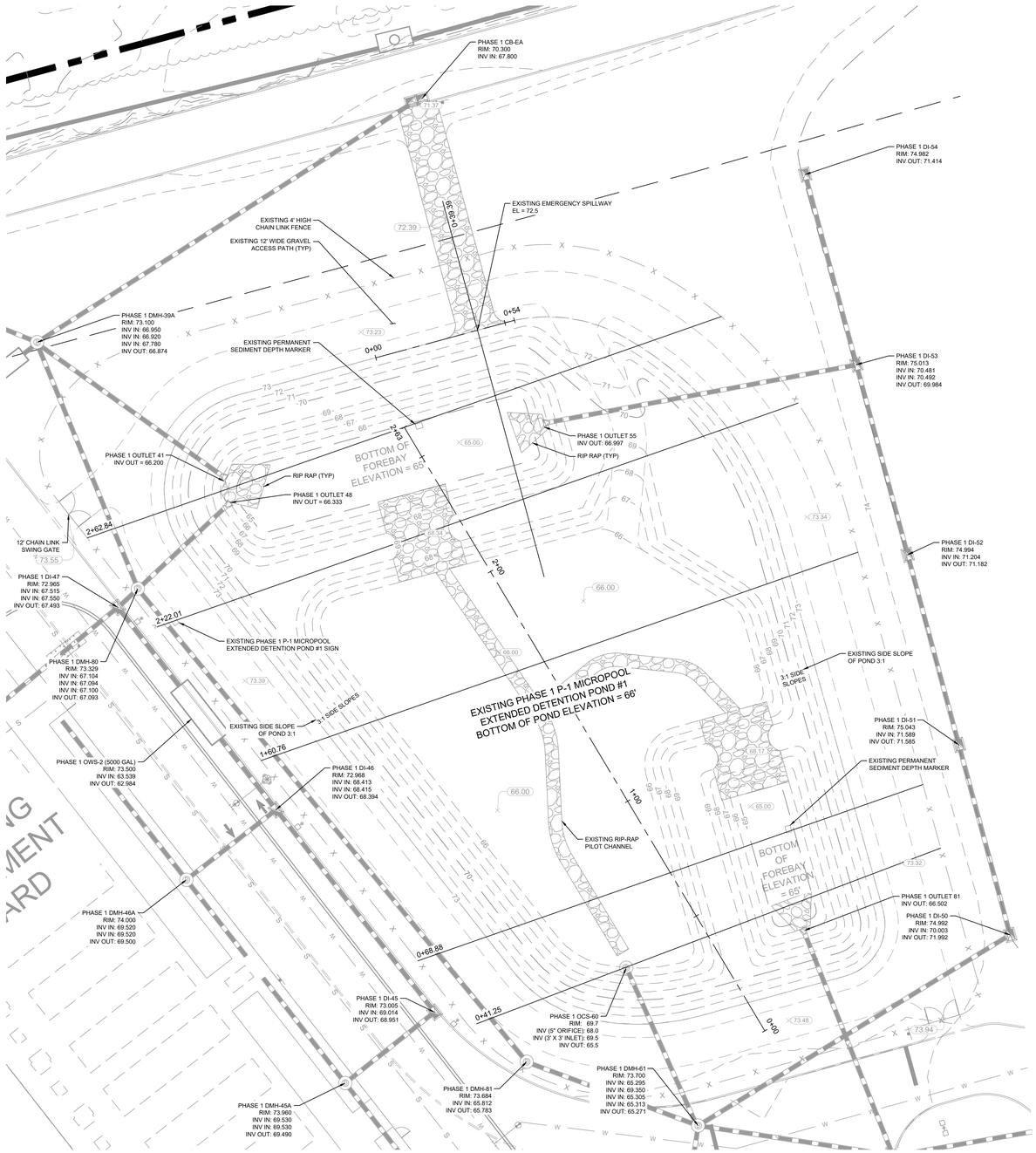
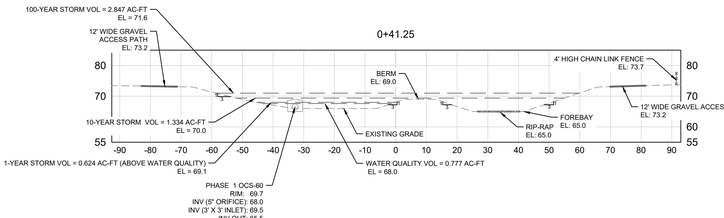
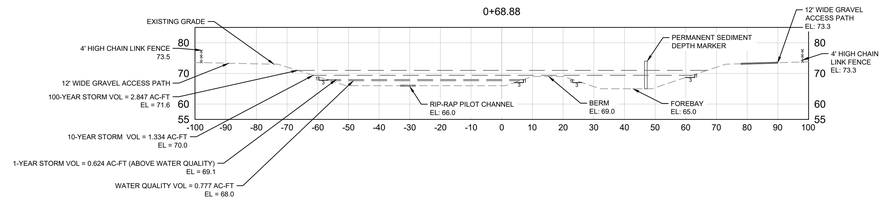
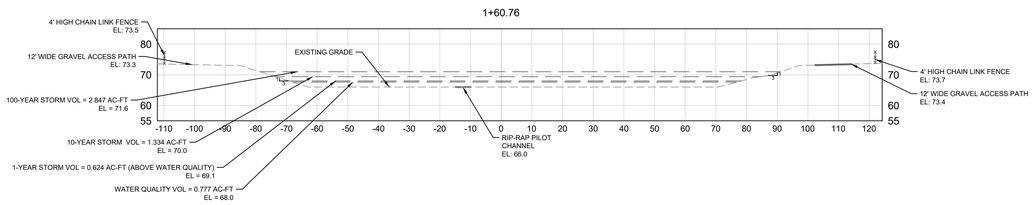
Saved Friday, January 16, 2026 2:39:52 PM TRENT.SUDDETH Plotted Thursday, January 29, 2026 12:28:14 PM Chen, Kitty

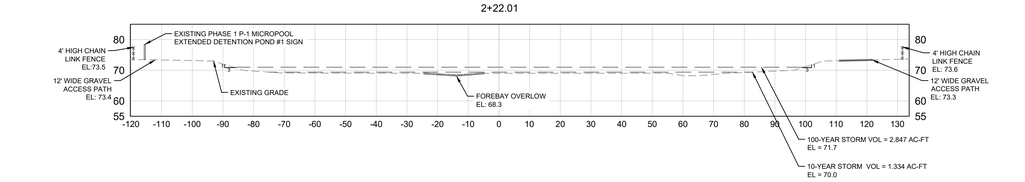


PHASE 1 P-1 MICROPOOL EXTENDED DETENTION POND #1

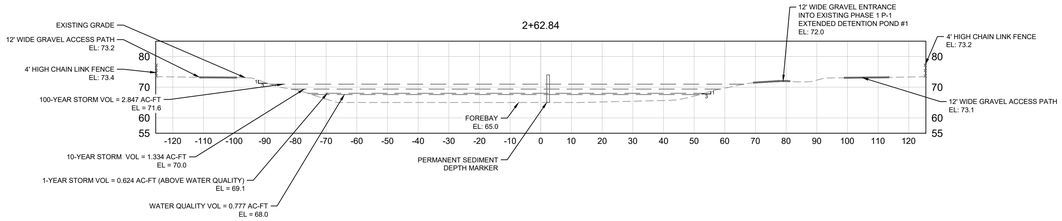


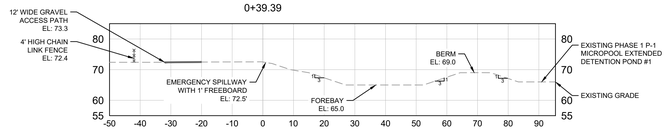






EXISTING PHASE 1 P-1 MICROPOOL EXTENDED DETENTION POND #1 CROSS SECTIONS





EXISTING PHASE 1 P-1 MICROPOOL EXTENDED DETENTION POND #1 EMERGENCY OUTFALL CROSS SECTION

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL

0 10 20 40
VERTICAL

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

ELEVATION NOTE

1. ELEVATION 0.0 SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS EQUALS ELEVATION 78.0 ON CIVIL DRAWINGS.

GENERAL NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
2. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
4. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.
5. PHASE 1 WORK PREVIOUSLY APPROVED UNDER SEPARATE APPLICATION, CURRENTLY UNDER CONSTRUCTION, ANTICIPATED COMPLETION WINTER 2026.

LEGEND

	PROPERTY LINE
XXX	EXISTING CONTOUR
LOD	TOTAL AREA OF DISTURBANCE (7.56 AC)
	EXISTING WATERCOURSE
	EXISTING STORM DRAINAGE STRUCTURES
	EXISTING STORM DRAINAGE PIPE

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FRISO
No. 090057
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

EXISTING PHASE 1 DETENTION POND ENLARGED VIEW

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-4.6

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k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\Drainage\Existing Drainage Area Map_Phase 2.dwg

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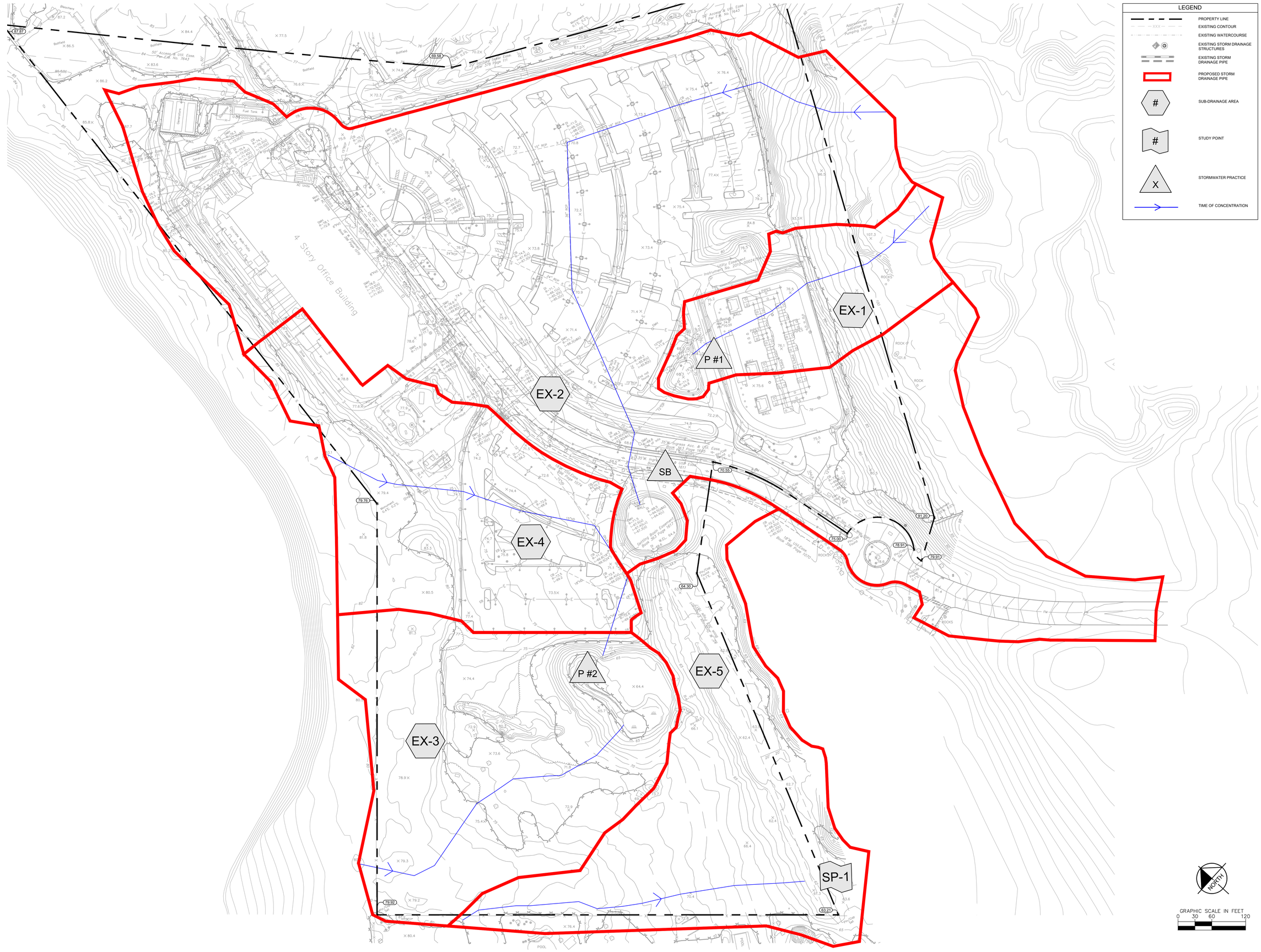

NO.	DESCRIPTION	DATE

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DATABANK

KHA PROJECT	112578002
DATE	1/22/2026
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

EXISTING DRAINAGE AREA MAP

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-4.7

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k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\Drainage\Proposed Drainage Area Map.dwg

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Saved Thursday, January 22, 2026 4:22:56 PM TRENT.SUDDETH Plotted Thursday, January 29, 2026 12:28:57 PM Chen, Kitty

NO.	DESCRIPTION	DATE

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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

KHA PROJECT	112578002
DATE	1/22/2026
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

PROPOSED DRAINAGE AREA MAP

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN
NEW YORK

SHEET NUMBER
C-4.8

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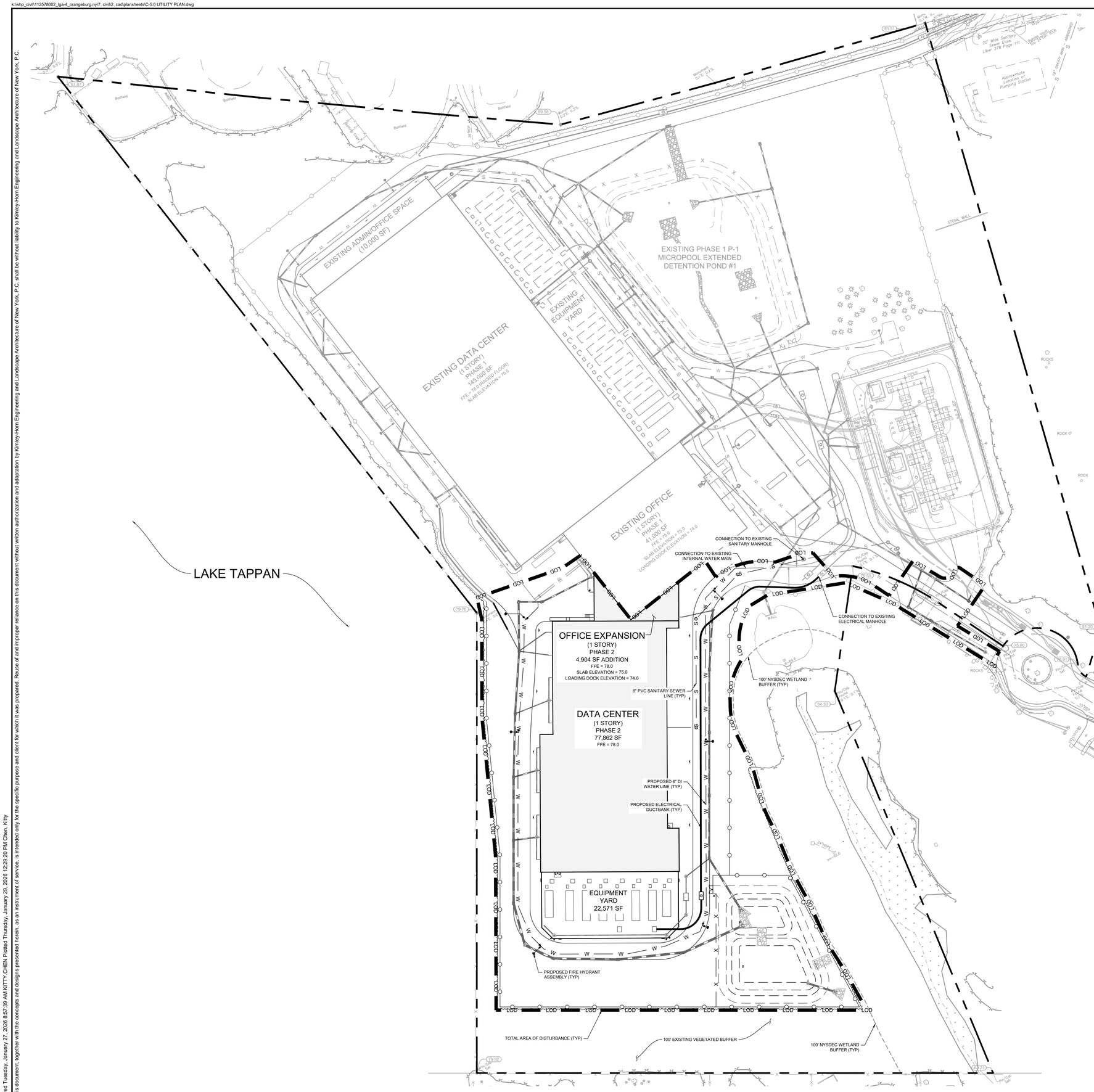
k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-5.0 UTILITY PLAN.dwg



UTILITY PLAN LEGEND

- PROPERTY LINE
- LOD — TOTAL AREA OF DISTURBANCE (7.56 AC)
- EXISTING WATERCOURSE
- 100' NYSDEC WETLAND BUFFER
- W — EXISTING WATER LINE
- S — EXISTING GRAVITY SEWER LINE
- FM — EXISTING FORCE MAIN LINE
- G — EXISTING GAS LINE
- EXISTING ORU HIGH VOLTAGE POWER LINE
- EXISTING TELECOM LINE
- EXISTING ELECTRICAL LINE
- W — PROPOSED WATER LINE
- S — PROPOSED GRAVITY SEWER LINE
- PROPOSED VALVE, TEE, AND HYDRANT
- PROPOSED ELECTRICAL LINE
- PROPOSED ELECTRICAL MANHOLE

UTILITY NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
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3. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239LAM OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
4. UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE CIVIL ENGINEER AT THE TIME OF THE SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE APPLICANT, OWNER, OR THE CIVIL ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY.
5. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTION TO EXISTING UTILITIES, AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
6. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR THE PROPOSED SANITARY BUILDING CONNECTION.
7. ALL PROPOSED SANITARY INFRASTRUCTURE IS TO BE PRIVATE AND THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER.
8. LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.
9. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
10. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.
11. SANITARY SEWER INFILTRATION AND EXFILTRATION LIMIT IS 25 GALLONS PER INCH PER DIAMETER PER MILE PER DAY.
12. SANITARY SEWER PERMITS MUST BE OBTAINED FROM THE TOWN OF ORANGETOWN PRIOR TO THE ISSUANCE OF BUILDING PERMITS.
13. IF THE LOWEST FLOOR IS TO BE SEWERED IS LOWER THAN THE UPSTREAM RIM ELEVATION OF THE SANITARY SEWER MANHOLE, AN INTERIOR CHECK VALVE MUST BE INSTALLED.
14. ALL MANHOLES MUST BE VACUUM TESTED AS REQUIRED BY THE TOWN OF ORANGETOWN.
15. CERTIFICATE OF OCCUPANCY SHALL NOT BE REQUESTED FROM THE TOWN OF ORANGETOWN BUILDING DEPARTMENT UNTIL RESULTS OF INFILTRATION AND EXFILTRATION TESTS FOR SANITARY SEWERS ARE CERTIFIED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER AND APPROVED BY THE DIRECTOR, DIVISION OF SEWERS.
16. CERTIFICATE OF OCCUPANCY MAY NOT BE REQUESTED, NOR ANY OCCUPANCY PERMITTED, UNTIL A CERTIFICATE OF COMPLIANCE, CERTIFIED BY A LICENSED NEW YORK STATE PROFESSIONAL ENGINEER, IS SUBMITTED TO AN APPROVED BY THE TOWN OF ORANGETOWN. COPIES OF THIS CERTIFICATE SHOULD ALSO BE SENT TO THE ROCKLAND COUNTY HEALTH DEPARTMENT.
17. ROCKLAND COUNTY DEPARTMENT OF HEALTH APPROVAL (RCDOH) IS LIMITED TO 5 YEARS FROM THE DATE OF RCDOH APPROVAL. TIME EXTENSIONS MAY BE GRANTED BY THE RCDOH BASED UPON DEVELOPMENT FACTS AND THE REALTY SUBDIVISION REGULATIONS IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.
18. AS-BUILT SANITARY SEWER AND WATER MAIN DRAWINGS (PLAN AND PROFILE) ARE TO BE SUBMITTED TO THE RCDOH FOR REVIEW AND ACCEPTANCE UPON COMPLETION OF THE INSTALLATION OF IMPROVEMENTS.

GRAPHIC SCALE IN FEET
0 30 60 120

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK — DANIEL LO PRISCO — No. 090067 — LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

OVERALL UTILITY PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-5.0

Saved Tuesday, January 27, 2026 8:57:39 AM KITTY.CHEN Plotted Thursday, January 29, 2026 12:29:20 PM Chen, Kitty
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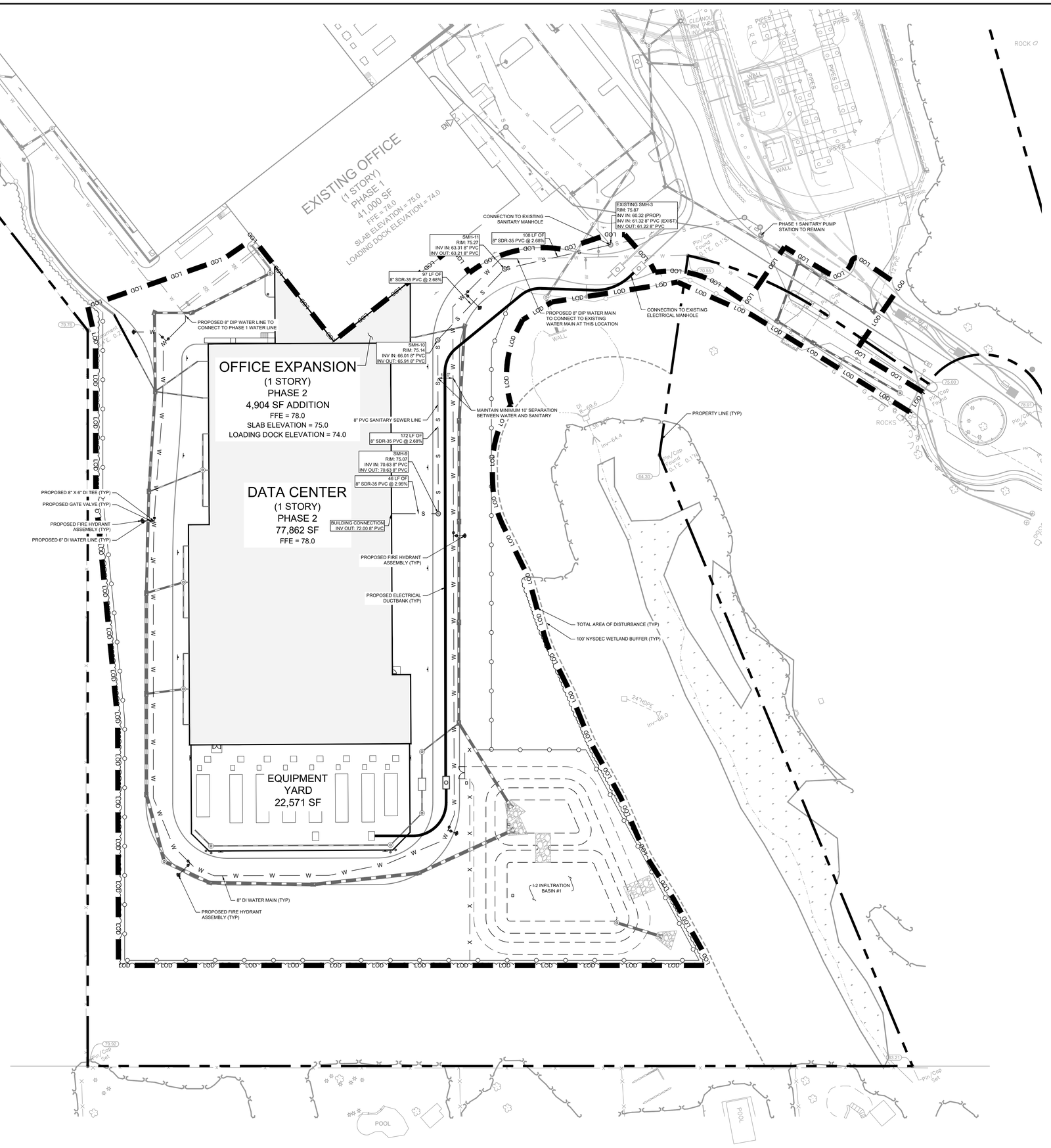
k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-5.0 UTILITY PLAN.dwg



UTILITY PLAN LEGEND

- PROPERTY LINE
- LOD — TOTAL AREA OF DISTURBANCE (7.56 AC)
- EXISTING WATERCOURSE
- 100' NYSDEC WETLAND BUFFER
- W — EXISTING WATER LINE
- S — EXISTING GRAVITY SEWER LINE
- FM — EXISTING FORCE MAIN LINE
- G — EXISTING GAS LINE
- EXISTING ORU HIGH VOLTAGE POWER LINE
- EXISTING TELECOM LINE
- EXISTING ELECTRICAL LINE
- W — PROPOSED WATER LINE
- S — PROPOSED GRAVITY SEWER LINE
- PROPOSED VALVE, TEE, AND HYDRANT
- PROPOSED ELECTRICAL LINE
- PROPOSED ELECTRICAL MANHOLE

UTILITY NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
2. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239LAM OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
4. UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE CIVIL ENGINEER AT THE TIME OF THE SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE APPLICANT, OWNER, OR THE CIVIL ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY.
5. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTION TO EXISTING UTILITIES, AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
6. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR THE PROPOSED SANITARY BUILDING CONNECTION.
7. ALL PROPOSED SANITARY INFRASTRUCTURE IS TO BE PRIVATE AND THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER.
8. LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.
9. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
10. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.
11. SANITARY SEWER INFILTRATION AND EXFILTRATION LIMIT IS 25 GALLONS PER INCH PER DIAMETER PER MILE PER DAY.
12. SANITARY SEWER PERMITS MUST BE OBTAINED FROM THE TOWN OF ORANGETOWN PRIOR TO THE ISSUANCE OF BUILDING PERMITS.
13. IF THE LOWEST FLOOR IS TO BE SEWERED IS LOWER THAN THE UPSTREAM RIM ELEVATION OF THE SANITARY SEWER MANHOLE, AN INTERIOR CHECK VALVE MUST BE INSTALLED.
14. ALL MANHOLES MUST BE VACUUM TESTED AS REQUIRED BY THE TOWN OF ORANGETOWN.
15. CERTIFICATE OF OCCUPANCY SHALL NOT BE REQUESTED FROM THE TOWN OF ORANGETOWN BUILDING DEPARTMENT UNTIL RESULTS OF INFILTRATION AND EXFILTRATION TESTS FOR SANITARY SEWERS ARE CERTIFIED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER AND APPROVED BY THE DIRECTOR, DIVISION OF SEWERS.
16. CERTIFICATE OF OCCUPANCY MAY NOT BE REQUESTED, NOR ANY OCCUPANCY PERMITTED, UNTIL A CERTIFICATE OF COMPLIANCE, CERTIFIED BY A LICENSED NEW YORK STATE PROFESSIONAL ENGINEER, IS SUBMITTED TO AN APPROVED BY THE TOWN OF ORANGETOWN, COPIES OF THIS CERTIFICATE SHOULD ALSO BE SENT TO THE ROCKLAND COUNTY HEALTH DEPARTMENT.
17. ROCKLAND COUNTY DEPARTMENT OF HEALTH APPROVAL (RCDOH) IS LIMITED TO 5 YEARS FROM THE DATE OF RCDOH APPROVAL. TIME EXTENSIONS MAY BE GRANTED BY THE RCDOH BASED UPON DEVELOPMENT FACTS AND THE REALTY SUBDIVISION REGULATIONS IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.
18. AS-BUILT SANITARY SEWER AND WATER MAIN DRAWINGS (PLAN AND PROFILE) ARE TO BE SUBMITTED TO THE RCDOH FOR REVIEW AND ACCEPTANCE UPON COMPLETION OF THE INSTALLATION OF IMPROVEMENTS.

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn
New York

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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FRISO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

PARTIAL UTILITY PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-5.1

Saved Tuesday, January 27, 2026 8:57:39 AM KITTY CHEN Plotted Thursday, January 29, 2026 12:29:22 PM Chen, Kitty

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k:\wfs_civil\112578002_3ga-4_orangeburg.ny7/_civil/2_cad\plansheets\C-5.X SANITARY PROFILE PLAN.dwg

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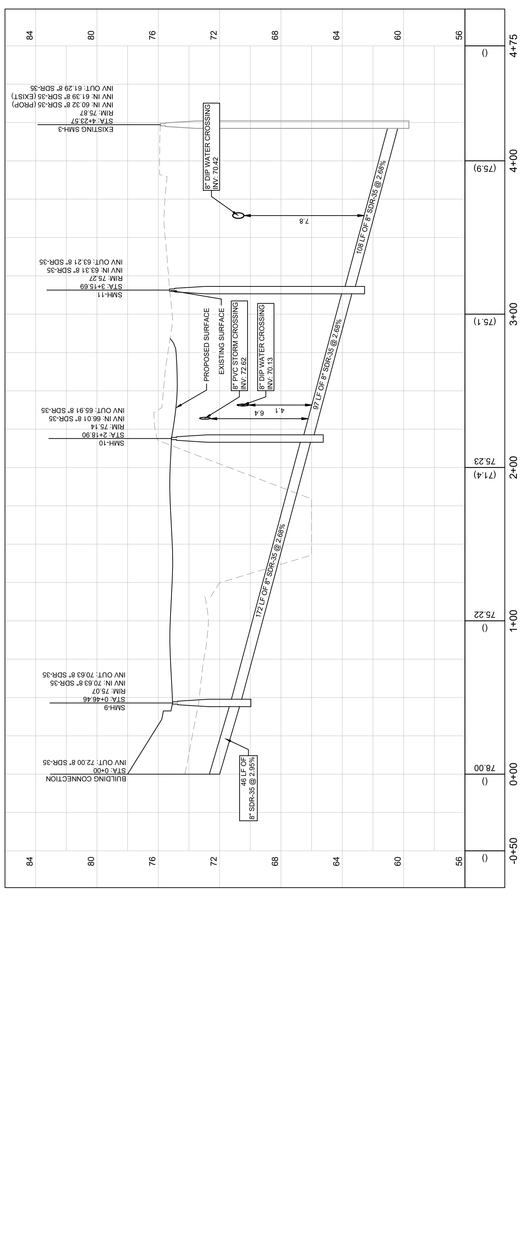

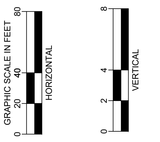

SHEET NUMBER	TOWN OF ORANGETOWN	NEW YORK
C-5.2	DATABANK ORANGEBURG PHASE 2	
	2000 CORPORATE DRIVE ORANGEBURG, NY 10962	

SANITARY SEWER PROFILE

KHA PROJECT
112578002
DATE
06/12/2024
SCALE: AS SHOWN
DESIGNED BY: TAS
DRAWN BY: KC
CHECKED BY: DL

01/30/2026

DATABANK

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New York
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WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

FOR PERMIT REVIEW

NO.	DESCRIPTION	DATE
1	ISSUED FOR PAC REVIEW	06/12/2024
2	ISSUED FOR PRICING	08/26/2024
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026

k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-6.0 OVERALL EROSION & SEDIMENT CONTROL AND GRADING PLAN.dwg

LEGEND

PROPERTY LINE	
EXISTING WATERCOURSE	
100' NYSDEC WETLAND BUFFER	
LOD	STAGE 1 AREA OF DISTURBANCE (5.44 AC)
LOD	STAGE 2 AREA OF DISTURBANCE (6.00 AC)
LOD	STAGE 3 AREA OF DISTURBANCE (6.25 AC)
LOD	STAGE 4 AREA OF DISTURBANCE (1.69 AC)
	SILT FENCE (SEE EROSION CONTROL DETAILS)
	INLET PROTECTION (SEE EROSION CONTROL DETAILS)
	STABILIZED CONSTRUCTION ENTRANCE (SEE EROSION CONTROL DETAILS)

GENERAL NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
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4. THE CONTRACTOR SHALL SUBMIT AS-BUILT PLANS CERTIFIED BY A PROFESSIONAL ENGINEER FOR STORMWATER MANAGEMENT PRACTICES LOCATED ON SITE AFTER FINAL CONSTRUCTION IS COMPLETED.
5. A COPY OF THE SWPPP AND ALL INSPECTION REPORTS SHALL BE RETAINED AT THE SITE OF THE LAND DEVELOPMENT ACTIVITY DURING CONSTRUCTION FROM THE DATE OF INITIATION OF CONSTRUCTION ACTIVITIES TO FIVE YEARS AFTER THE DATE OF SUBMITTAL OF THE NOTICE OF TERMINATION (NOT) FORM TO NYSDEC.
6. THE CONTRACTOR MAY MODIFY THE CONSTRUCTION STAGING AS REQUIRED PER FIELD CONDITIONS AND SHALL PROVIDE ALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES. THE CONTRACTOR SHALL NOT DISTURB MORE THAN 10 ACRES AT ANY PARTICULAR TIME THROUGHOUT ALL CONSTRUCTION ACTIVITIES.
7. SHEETS C-6.0 THROUGH C-6.4 ARE IN COLOR AND ARE VALID ONLY WHEN PRINTED IN COLOR.
8. REFER TO SHEETS C-7.0 THROUGH C-7.2 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
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10. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
11. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

DISCLAIMER

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STAGE AREA OF DISTURBANCE

STAGE 1	5.44
STAGE 2	6.00
STAGE 3	6.25
STAGE 4	1.69

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Kimley»Horn New York

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PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK · DANIEL LO FRISCO · No. 090067 · LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

OVERALL EROSION & SEDIMENT CONTROL PLAN

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-6.0

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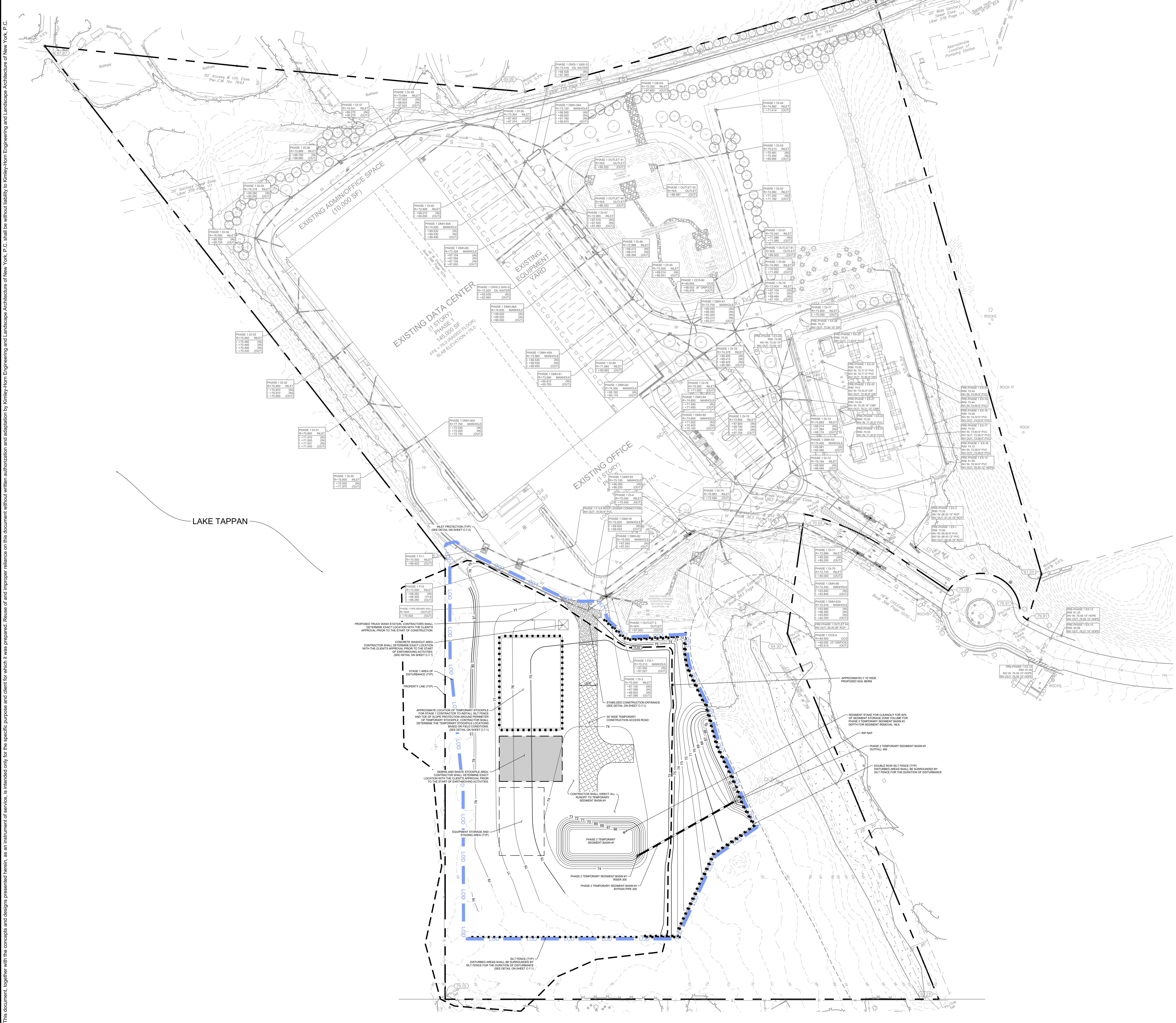

LEGEND

	PROPERTY LINE
LOD	STAGE 1 AREA OF DISTURBANCE (5.44 AC)
XXX	EXISTING CONTOUR
XXX	PROPOSED CONTOUR
	SILT FENCE (SEE DETAIL ON SHEET C-7.1)
	TEMPORARY STAGING AREA
	INLET PROTECTION (SEE DETAIL ON SHEET C-7.2)
	STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL ON SHEET C-7.1)
	CONCRETE WASHOUT (SEE DETAIL ON SHEET C-7.1)
	DEBRIS, WASTE, AND BORROW STOCKPILE AREA
	TEMPORARY STOCKPILE
	GRAVEL
	TEMPORARY SEDIMENT BASIN
	RETAINING WALL
	EXISTING WATERCOURSE
	100' WETLAND BUFFER
	EXISTING STORM DRAINAGE STRUCTURES
	EXISTING STORM DRAINAGE PIPE
	PROPOSED STORM DRAINAGE STRUCTURES
	PROPOSED STORM DRAINAGE PIPE
PRE-PHASE 1 STRC RIM: XX.XX INV IN: XX.XX XX" HDPE INV OUT: XX.XX XX" HDPE	PRE-PHASE 1 DRAINAGE STRUCTURE INFORMATION
PHASE 1 STRC R=XX.XXX STRC I =XX.XXX (IN) I =XX.XXX (OUT)	PHASE 1 DRAINAGE STRUCTURE INFORMATION
	DRAINAGE AREA BOUNDARY

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4. THE CONTRACTOR SHALL SUBMIT AS-BUILT PLANS CERTIFIED BY A PROFESSIONAL ENGINEER FOR STORMWATER MANAGEMENT PRACTICES LOCATED ON SITE AFTER FINAL CONSTRUCTION IS COMPLETED.
5. A COPY OF THE SWPPP AND ALL INSPECTION REPORTS SHALL BE RETAINED AT THE SITE OF THE LAND DEVELOPMENT ACTIVITY DURING CONSTRUCTION FROM THE DATE OF INITIATION OF CONSTRUCTION ACTIVITIES TO FIVE YEARS AFTER THE DATE OF SUBMITTAL OF THE NOTICE OF TERMINATION (NOT) FORM TO NYSDEC.
6. THE CONTRACTOR MAY MODIFY THE CONSTRUCTION STAGING AS REQUIRED PER FIELD CONDITIONS AND SHALL PROVIDE ALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES. THE CONTRACTOR SHALL NOT DISTURB MORE THAN 10 ACRES AT ANY PARTICULAR TIME THROUGHOUT ALL CONSTRUCTION ACTIVITIES.
7. SHEETS C-6.0 THROUGH C-6.4 ARE IN COLOR AND ARE VALID ONLY WHEN PRINTED IN COLOR.
8. REFER TO SHEETS C-7.0 THROUGH C-7.2 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
9. LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.
10. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
11. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

STAGE 1 CONSTRUCTION SEQUENCE

STAGE 1 - (5.44 AC)

1. MOBILIZATION.
2. INSTALL EROSION CONTROL MEASURES WITHIN AND AROUND LIMITS OF DISTURBANCE FOR STAGE 1: STABILIZED CONSTRUCTION ENTRANCES, TRUCK WASH STATION, SILT FENCE, INLET PROTECTION FOR DRAINAGE STRUCTURES WITHIN AND AROUND LOD, STOCKPILE AREA, AND WASTE/BORROW AREAS.
3. EXCAVATION AND INSTALLATION OF PHASE 2 TEMPORARY SEDIMENT BASIN #1. STABILIZE WITH SEED, STRAW, AND OTHER STABILIZATION MEASURES.
4. INSTALL TEMPORARY SEDIMENT BASIN #1 RISER 300, OUTFALL 400 AND ASSOCIATED DRAINAGE PIPE.
5. INSTALL DEWATERING PUMPS BETWEEN PRE-PHASE 1 EXISTING DETENTION BASIN #2 AND PHASE 2 TEMPORARY SEDIMENT BASIN #1. DRAIN PRE-PHASE 1 EXISTING DETETNTION BASIN #2 AND REMOVE EXCESS SILT FROM BASIN.
6. REMOVE DEWATERING PUMPS AND BACKFILL PRE-PHASE 1 EXISTING DETENTION BASIN #2.
7. ROUGH GRADE AREA WITHIN AREA OF DISTURBANCE AND DIRECT ALL RUNOFF TOWARDS PHASE 2 TEMPORARY SEDIMENT BASIN #1.
8. CONSTRUCT SOIL BERM ALONG EASTERN LIMITS OF AREA OF DISTURBANCE. CONTRACTOR TO WORK FROM SOUTH TO NORTH WHILE TEMPORARILY STABILIZING THE BERM.
9. STABILIZE STAGE 1 IN AREAS NOT TO BE DISTURBED IN STAGE 2. THE CONTRACTOR SHALL UTILIZE SEEDING, STRAW, EROSION CONTROL BLANKETS, AND/OR OTHER MEASURES AS NEEDED TO STABILIZE DISTURBED AREAS.
10. COLLECT SILT AND SEDIMENT AND REMOVE FROM SITE. REMOVE SILT AND SEDIMENT FROM PHASE 2 TEMPORARY SEDIMENT BASIN #1. REBUILD/REINFORCE ANY SECTION OF THE BASIN THAT MAY SHOW SIGNS OF EROSION DURING LARGER STORMS.
11. ESTIMATED TIME OF CONSTRUCTION (STAGE 1): 2 MONTHS

DISCLAIMER

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01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

EROSION & SEDIMENT CONTROL PLAN - STAGE 1

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-6.1

Saved Wednesday, January 28, 2026 4:14:16 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:30:13 PM Chen, Kitty

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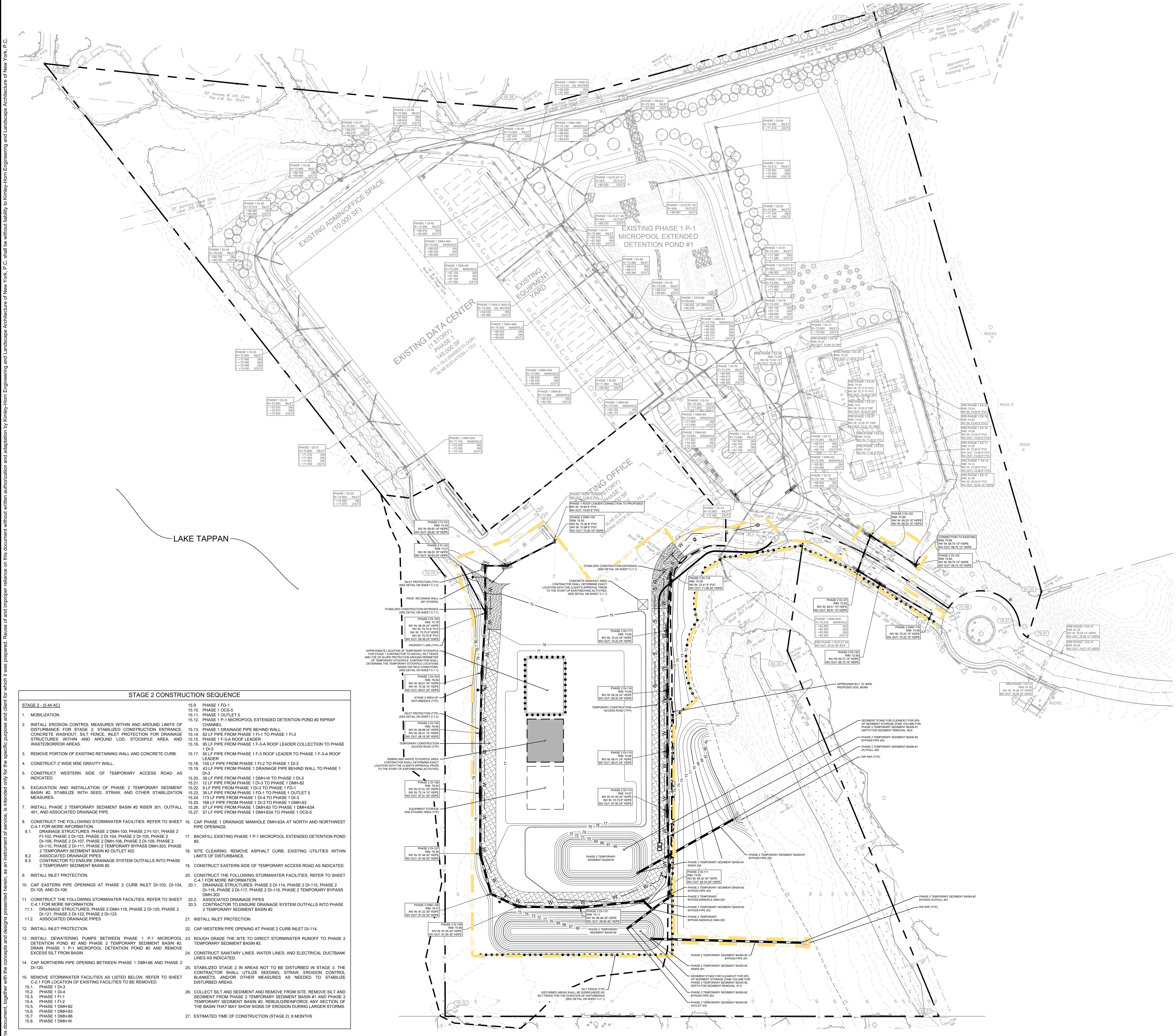

STAGE 2 CONSTRUCTION SEQUENCE

STAGE 2 - (5.44 AC)

1. MOBILIZATION.
2. INSTALL EROSION CONTROL MEASURES WITHIN AND AROUND LIMITS OF DISTURBANCE FOR STAGE 2: STABILIZED CONSTRUCTION ENTRANCE, CONCRETE WASHOUT, SILT FENCE, INLET PROTECTION FOR DRAINAGE STRUCTURES WITHIN AND AROUND LOD, STOCKPILE AREA, AND WASTE/BORROW AREAS.
3. REMOVE PORTION OF EXISTING RETAINING WALL AND CONCRETE CURB.
4. CONSTRUCT 2' WIDE MSE GRAVITY WALL.
5. CONSTRUCT WESTERN SIDE OF TEMPORARY ACCESS ROAD AS INDICATED.
6. EXCAVATION AND INSTALLATION OF PHASE 2 TEMPORARY SEDIMENT BASIN #2. STABILIZE WITH SEED, STRAW, AND OTHER STABILIZATION MEASURES.
7. INSTALL PHASE 2 TEMPORARY SEDIMENT BASIN #2 RISER 301, OUTFALL 401, AND ASSOCIATED DRAINAGE PIPE.
8. CONSTRUCT THE FOLLOWING STORMWATER FACILITIES. REFER TO SHEET C-4.1 FOR MORE INFORMATION.
   - 8.1. DRAINAGE STRUCTURES: PHASE 2 DMH-100, PHASE 2 FI-101, PHASE 2 FI-102, PHASE 2 DI-103, PHASE 2 DI-104, PHASE 2 DI-105, PHASE 2 DI-106, PHASE 2 DI-107, PHASE 2 DMH-108, PHASE 2 DI-109, PHASE 2 DI-110, PHASE 2 DI-111, PHASE 2 TEMPORARY BYPASS DMH-303, PHASE 2 TEMPORARY SEDIMENT BASIN #2 OUTLET 402
   - 8.2. ASSOCIATED DRAINAGE PIPES
   - 8.3. CONTRACTOR TO ENSURE DRAINAGE SYSTEM OUTFALLS INTO PHASE 2 TEMPORARY SEDIMENT BASIN #2.
9. INSTALL INLET PROTECTION.
10. CAP EASTERN PIPE OPENINGS AT PHASE 2 CURB INLET DI-103, DI-104, DI-105, AND DI-106.
11. CONSTRUCT THE FOLLOWING STORMWATER FACILITIES. REFER TO SHEET C-4.1 FOR MORE INFORMATION:
   - 11.1. DRAINAGE STRUCTURES: PHASE 2 DMH-119, PHASE 2 DI-120, PHASE 2 DI-121, PHASE 2 DI-122, PHASE 2 DI-123
   - 11.2. ASSOCIATED DRAINAGE PIPES
12. INSTALL INLET PROTECTION.
13. INSTALL DEWATERING PUMPS BETWEEN PHASE 1 P-1 MICROPOOL DETENTION POND #2 AND PHASE 2 TEMPORARY SEDIMENT BASIN #2. DRAIN PHASE 1 P-1 MICROPOOL DETENTION POND #2 AND REMOVE EXCESS SILT FROM BASIN.
14. CAP NORTHERN PIPE OPENING BETWEEN PHASE 1 DMH-86 AND PHASE 2 DI-120.
15. REMOVE STORMWATER FACILITIES AS LISTED BELOW. REFER TO SHEET C-2.1 FOR LOCATION OF EXISTING FACILITIES TO BE REMOVED.
   - 15.1. PHASE 1 DI-3
   - 15.2. PHASE 1 DI-4
   - 15.3. PHASE 1 FI-1
   - 15.4. PHASE 1 FI-2
   - 15.5. PHASE 1 DMH-82
   - 15.6. PHASE 1 DMH-83
   - 15.7. PHASE 1 DMH-86
   - 15.8. PHASE 1 DMH-W
   - 15.9. PHASE 1 FD-1
   - 15.10. PHASE 1 OCS-5
   - 15.11. PHASE 1 OUTLET 5
   - 15.12. PHASE 1 P-1 MICROPOOL EXTENDED DETENTION POND #2 RIPRAP CHANNEL
   - 15.13. PHASE 1 DRAINAGE PIPE BEHIND WALL
   - 15.14. 62 LF PIPE FROM PHASE 1 FI-1 TO PHASE 1 FI-2
   - 15.15. PHASE 1 F-3-A ROOF LEADER
   - 15.16. 95 LF PIPE FROM PHASE 1 F-3-A ROOF LEADER COLLECTION TO PHASE 1 DI-3
   - 15.17. 50 LF PIPE FROM PHASE 1 F-3 ROOF LEADER TO PHASE 1 F-3-A ROOF LEADER
   - 15.18. 155 LF PIPE FROM PHASE 1 FI-2 TO PHASE 1 DI-3
   - 15.19. 43 LF PIPE FROM PHASE 1 DRAINAGE PIPE BEHIND WALL TO PHASE 1 DI-3
   - 15.20. 39 LF PIPE FROM PHASE 1 DMH-W TO PHASE 1 DI-3
   - 15.21. 12 LF PIPE FROM PHASE 1 DI-3 TO PHASE 1 DMH-82
   - 15.22. 9 LF PIPE FROM PHASE 1 DI-3 TO PHASE 1 FD-1
   - 15.23. 39 LF PIPE FROM PHASE 1 FD-1 TO PHASE 1 OUTLET 5
   - 15.24. 173 LF PIPE FROM PHASE 1 DI-4 TO PHASE 1 DI-3
   - 15.25. 168 LF PIPE FROM PHASE 1 DI-3 TO PHASE 1 DMH-83
   - 15.26. 57 LF PIPE FROM PHASE 1 DMH-83 TO PHASE 1 DMH-63A
   - 15.27. 57 LF PIPE FROM PHASE 1 DMH-63A TO PHASE 1 OCS-5
16. CAP PHASE 1 DRAINAGE MANHOLE DMH-63A AT NORTH AND NORTHWEST PIPE OPENINGS.
17. BACKFILL EXISTING PHASE 1 P-1 MICROPOOL EXTENDED DETENTION POND #2.
18. SITE CLEARING. REMOVE ASPHALT CURB, EXISTING UTILITIES WITHIN LIMITS OF DISTURBANCE.
19. CONSTRUCT EASTERN SIDE OF TEMPORARY ACCESS ROAD AS INDICATED.
20. CONSTRUCT THE FOLLOWING STORMWATER FACILITIES. REFER TO SHEET C-4.1 FOR MORE INFORMATION.
   - 20.1. DRAINAGE STRUCTURES: PHASE 2 DI-114, PHASE 2 DI-115, PHASE 2 DI-116, PHASE 2 DI-117, PHASE 2 DI-118, PHASE 2 TEMPORARY BYPASS DMH-302
   - 20.2. ASSOCIATED DRAINAGE PIPES
   - 20.3. CONTRACTOR TO ENSURE DRAINAGE SYSTEM OUTFALLS INTO PHASE 2 TEMPORARY SEDIMENT BASIN #2.
21. INSTALL INLET PROTECTION.
22. CAP WESTERN PIPE OPENING AT PHASE 2 CURB INLET DI-114.
23. ROUGH GRADE THE SITE TO DIRECT STORMWATER RUNOFF TO PHASE 2 TEMPORARY SEDIMENT BASIN #2.
24. CONSTRUCT SANITARY LINES, WATER LINES, AND ELECTRICAL DUCTBANK LINES AS INDICATED.
25. STABILIZED STAGE 2 IN AREAS NOT TO BE DISTURBED IN STAGE 3. THE CONTRACTOR SHALL UTILIZE SEEDING, STRAW, EROSION CONTROL BLANKETS, AND/OR OTHER MEASURES AS NEEDED TO STABILIZE DISTURBED AREAS.
26. COLLECT SILT AND SEDIMENT AND REMOVE FROM SITE. REMOVE SILT AND SEDIMENT FROM PHASE 2 TEMPORARY SEDIMENT BASIN #1 AND PHASE 2 TEMPORARY SEDIMENT BASIN #2. REBUILD/REINFORCE ANY SECTION OF THE BASIN THAT MAY SHOW SIGNS OF EROSION DURING LARGER STORMS.
27. ESTIMATED TIME OF CONSTRUCTION (STAGE 2): 6 MONTHS

LEGEND

- PROPERTY LINE
- STAGE 2 AREA OF DISTURBANCE (6.00 AC)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SILT FENCE (SEE DETAIL ON SHEET C-7.1)
- TEMPORARY STAGING AREA
- INLET PROTECTION (SEE DETAIL ON SHEET C-7.2)
- STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL ON SHEET C-7.1)
- CONCRETE WASHOUT (SEE DETAIL ON SHEET C-7.1)
- DEBRIS, WASTE, AND BORROW STOCKPILE AREA
- TEMPORARY STOCKPILE
- GRAVEL
- TEMPORARY SEDIMENT BASIN
- RETAINING WALL
- EXISTING WATERCOURSE
- 100' WETLAND BUFFER
- EXISTING STORM DRAINAGE STRUCTURES
- EXISTING STORM DRAINAGE PIPE
- PROPOSED STORM DRAINAGE STRUCTURES
- PROPOSED STORM DRAINAGE PIPE
- PRE-PHASE 1 DRAINAGE STRUCTURE INFORMATION
- PHASE 1 DRAINAGE STRUCTURE INFORMATION
- PROPOSED DRAINAGE STRUCTURE INFORMATION
- DRAINAGE AREA BOUNDARY

GENERAL NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
2. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
3. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR PROPOSED SANITARY BUILDING CONNECTION.
4. THE CONTRACTOR SHALL SUBMIT AS-BUILT PLANS CERTIFIED BY A PROFESSIONAL ENGINEER FOR STORMWATER MANAGEMENT PRACTICES LOCATED ON SITE AFTER FINAL CONSTRUCTION IS COMPLETED.
5. A COPY OF THE SWPPP AND ALL INSPECTION REPORTS SHALL BE RETAINED AT THE SITE OF THE LAND DEVELOPMENT ACTIVITY DURING CONSTRUCTION FROM THE DATE OF INITIATION OF CONSTRUCTION ACTIVITIES TO FIVE YEARS AFTER THE DATE OF SUBMITTAL OF THE NOTICE OF TERMINATION (NOT) FORM TO NYSDEC.
6. THE CONTRACTOR MAY MODIFY THE CONSTRUCTION STAGING AS REQUIRED PER FIELD CONDITIONS AND SHALL PROVIDE ALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES. THE CONTRACTOR SHALL NOT DISTURB MORE THAN 10 ACRES AT ANY PARTICULAR TIME THROUGHOUT ALL CONSTRUCTION ACTIVITIES.
7. SHEETS C-6.0 THROUGH C-6.4 ARE IN COLOR AND ARE VALID ONLY WHEN PRINTED IN COLOR.
8. REFER TO SHEETS C-7.0 THROUGH C-7.2 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
9. LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.
10. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
11. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

DISCLAIMER

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NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley-Horn New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK · DANIEL LO FRISCO · No. 090067 · LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

EROSION & SEDIMENT CONTROL PLAN - STAGE 2

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-6.2

Saved Thursday, January 22, 2026 6:39:50 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:30:29 PM Chen, Kitty
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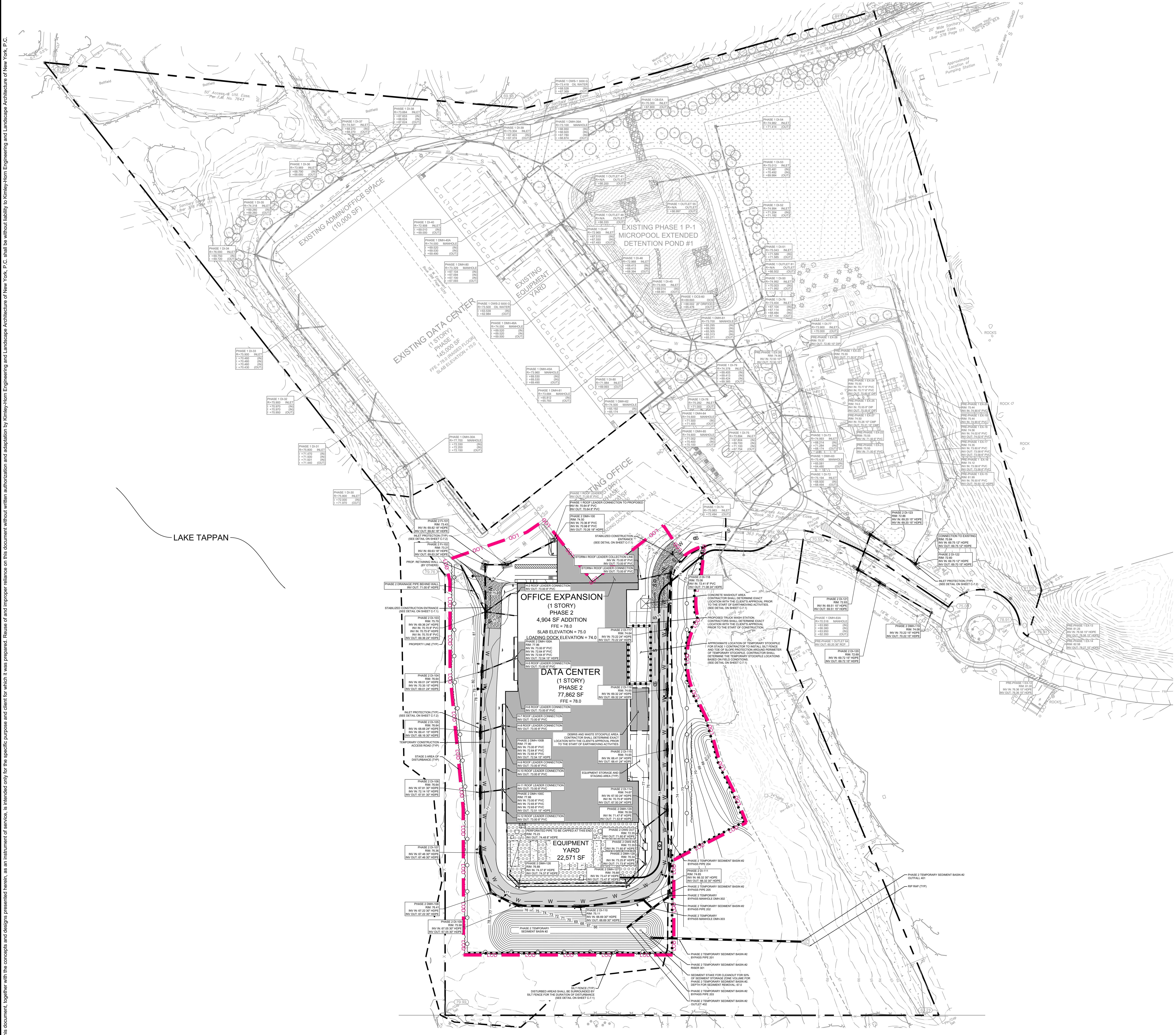

LEGEND

- PROPERTY LINE
- LOD — STAGE 3 AREA OF DISTURBANCE (6.25 AC)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SILT FENCE (SEE DETAIL ON SHEET C-7.1)
- TEMPORARY STAGING AREA
- INLET PROTECTION (SEE DETAIL ON SHEET C-7.2)
- STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL ON SHEET C-7.1)
- CONCRETE WASHOUT (SEE DETAIL ON SHEET C-7.1)
- DEBRIS, WASTE, AND BORROW STOCKPILE AREA
- TEMPORARY STOCKPILE
- GRAVEL
- TEMPORARY SEDIMENT BASIN
- RETAINING WALL
- EXISTING WATERCOURSE
- 100' WETLAND BUFFER
- EXISTING STORM DRAINAGE STRUCTURES
- EXISTING STORM DRAINAGE PIPE
- PROPOSED STORM DRAINAGE STRUCTURES
- PROPOSED STORM DRAINAGE PIPE
- PRE-PHASE 1 DRAINAGE STRUCTURE INFORMATION
- PHASE 1 DRAINAGE STRUCTURE INFORMATION
- PROPOSED DRAINAGE STRUCTURE INFORMATION
- DRAINAGE AREA BOUNDARY

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4. THE CONTRACTOR SHALL SUBMIT AS-BUILT PLANS CERTIFIED BY A PROFESSIONAL ENGINEER FOR STORMWATER MANAGEMENT PRACTICES LOCATED ON SITE AFTER FINAL CONSTRUCTION IS COMPLETED.
5. A COPY OF THE SWPPP AND ALL INSPECTION REPORTS SHALL BE RETAINED AT THE SITE OF THE LAND DEVELOPMENT ACTIVITY DURING CONSTRUCTION FROM THE DATE OF INITIATION OF CONSTRUCTION ACTIVITIES TO FIVE YEARS AFTER THE DATE OF SUBMITTAL OF THE NOTICE OF TERMINATION (NOT) FORM TO NYSDEC.
6. THE CONTRACTOR MAY MODIFY THE CONSTRUCTION STAGING AS REQUIRED PER FIELD CONDITIONS AND SHALL PROVIDE ALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES. THE CONTRACTOR SHALL NOT DISTURB MORE THAN 10 ACRES AT ANY PARTICULAR TIME THROUGHOUT ALL CONSTRUCTION ACTIVITIES.
7. SHEETS C-6.0 THROUGH C-6.4 ARE IN COLOR AND ARE VALID ONLY WHEN PRINTED IN COLOR.
8. REFER TO SHEETS C-7.0 THROUGH C-7.2 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
9. LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.
10. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
11. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

STAGE 3 CONSTRUCTION SEQUENCE

STAGE 3 - (6.25 AC)

1. MOBILIZATION.
2. INSTALL EROSION CONTROL MEASURES WITHIN AND AROUND LIMITS OF DISTURBANCE FOR STAGE 3: STABILIZED CONSTRUCTION ENTRANCES, SILT FENCE, INLET PROTECTION FOR DRAINAGE STRUCTURES WITHIN AND AROUND LOD, STOCKPILE AREA, AND WASTE/BORROW AREAS.
3. INSTALL DEWATERING PUMPS BETWEEN PHASE 2 TEMPORARY SEDIMENT BASIN #1 AND PHASE 2 TEMPORARY SEDIMENT BASIN #2. DRAIN PHASE 2 TEMPORARY SEDIMENT BASIN #1 AND REMOVE EXCESS SILT FROM BASIN.
4. REMOVE DEWATERING PUMPS AND THE FOLLOWING EXISTING STORMWATER FACILITIES LOCATED AT PHASE 2 TEMPORARY SEDIMENT BASIN #1. REFER TO SHEET C-6.2 FOR LOCATION OF EXISTING FACILITIES TO BE REMOVED.
   - 4.1. PHASE 2 TEMPORARY SEDIMENT BASIN #1 BYPASS PIPE 200
   - 4.2. PHASE 2 TEMPORARY SEDIMENT BASIN #1 RISER 300
   - 4.3. PHASE 2 TEMPORARY SEDIMENT BASIN #1 OUTFALL 400
5. BACKFILL AND REMOVE PHASE 2 TEMPORARY SEDIMENT BASIN #1.
6. CONSTRUCT PROPOSED BUILDING AND CENTRAL ADMIN SPACE EXPANSION, EQUIPMENT YARD.
7. CONSTRUCT ELECTRICAL DUCTBANK CONNECTION BETWEEN ELECTRICAL MANHOLE AND EQUIPMENT YARD.
8. UNCAP PIPE OPENINGS AT PHASE 2 CURB INLETS DI-103, DI-104, DI-105, DI-106, DI-114, AND DI-118.
9. CONSTRUCT THE FOLLOWING STORMWATER FACILITIES. REFER TO SHEET C-4.1 FOR MORE INFORMATION.
   - 9.1. DRAINAGE STRUCTURES: PHASE 2 DMH-100A, PHASE 2 DMH-100B, PHASE 2 DMH-100C, PHASE 2 DMH-126, PHASE 2 DMH-127, PHASE 2 DMH-128, PHASE 2 DMH-129, PHASE 2 OWS
   - 9.2. ASSOCIATED DRAINAGE PIPES
   - 9.3. ROOF LEADER CONNECTIONS TO PROPOSED BUILDING AND CENTRAL ADMIN SPACE EXPANSION
10. CONSTRUCT SANITARY BUILDING CONNECTION AS INDICATED.
11. CONSTRUCT PROPOSED CURB FOR THE ENTIRE SITE.
12. CONSTRUCT FINAL PAVEMENT FOR THE ENTIRE SITE.
13. INSTALL TREES, SHRUBS, AND ALL LARGE LANDSCAPE ELEMENTS SPECIFIED AND FINAL SEED AND SOD FOR FULL LOD OF THIS STAGE.
14. STABILIZE STAGE 3 IN AREAS NOT TO BE DISTURBED IN STAGE 4. THE CONTRACTOR SHALL UTILIZE SEEDING, STRAW, EROSION CONTROL BLANKETS, AND/OR OTHER MEASURES AS NEEDED TO STABILIZE DISTURBED AREAS.
15. COLLECT SILT AND SEDIMENT AND REMOVE FROM SITE. REMOVE SILT AND SEDIMENT FROM TEMPORARY SEDIMENT BASIN #2. REBUILD/REINFORCE ANY SECTIONS OF THE BASIN THAT MAY SHOW SIGNS OF EROSION DURING LARGER STORMS.
16. ESTIMATED TIME OF CONSTRUCTION (STAGE 3): 4 MONTHS

DISCLAIMER

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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK · DANIEL LO FRISCO · No. 090067 · LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

EROSION & SEDIMENT CONTROL PLAN - STAGE 3

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-6.3

Saved Tuesday, January 27, 2026 7:25:30 AM KITTY.CHEN Plotted Thursday, January 29, 2026 12:30:56 PM Chen, Kitty
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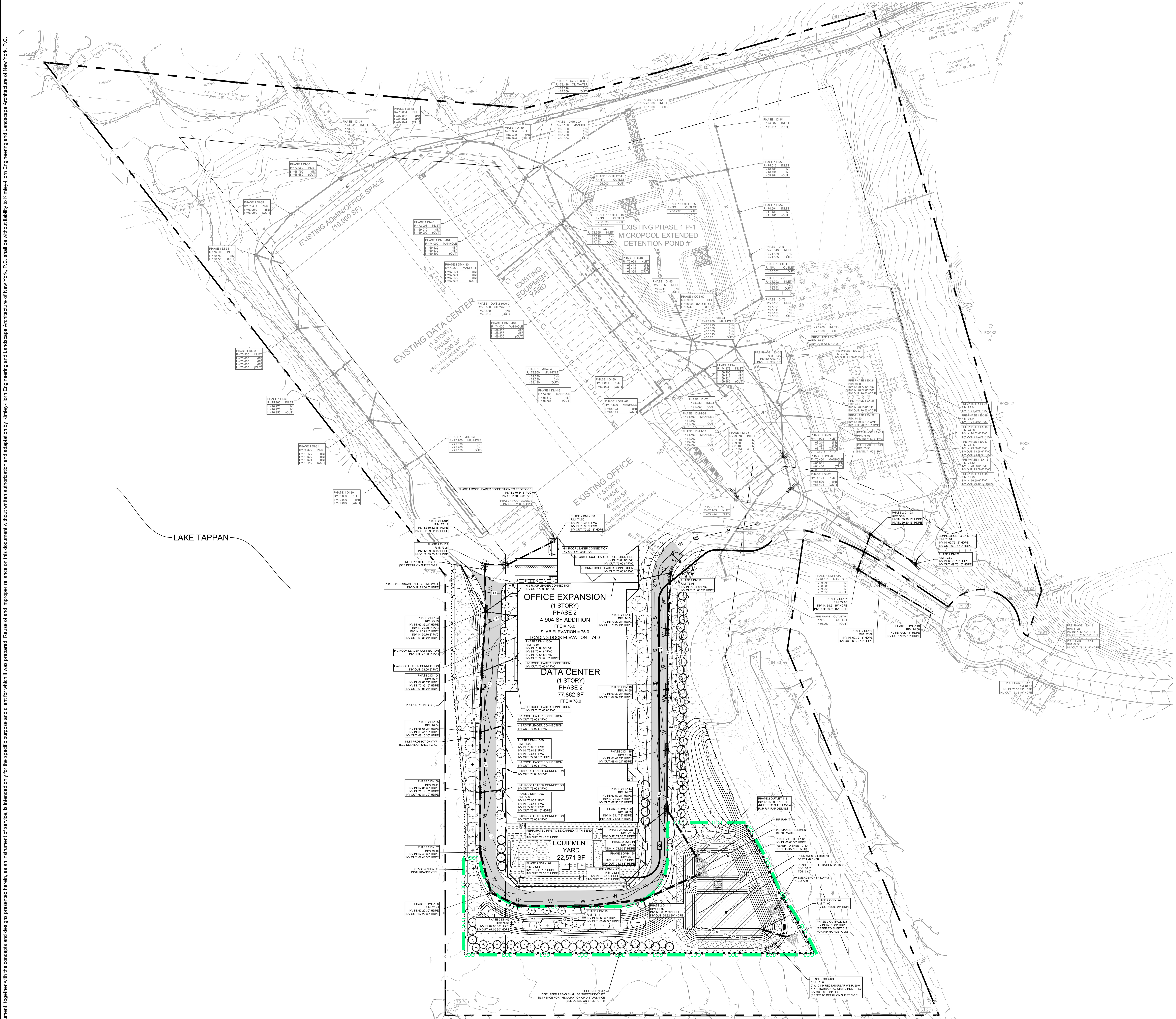

LEGEND

Symbol	Description
— — —	PROPERTY LINE
LOD	STAGE 4 AREA OF DISTURBANCE (1.69 AC)
XXX	EXISTING CONTOUR
XXX	PROPOSED CONTOUR
	SILT FENCE (SEE DETAIL ON SHEET C-7.1)
	TEMPORARY STAGING AREA
	INLET PROTECTION (SEE DETAIL ON SHEET C-7.2)
	STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL ON SHEET C-7.1)
	CONCRETE WASHOUT (SEE DETAIL ON SHEET C-7.1)
	DEBRIS, WASTE, AND BORROW STOCKPILE AREA
	TEMPORARY STOCKPILE
	GRAVEL
	TEMPORARY SEDIMENT BASIN
	RETAINING WALL
	EXISTING WATERCOURSE
	100' WETLAND BUFFER
	EXISTING STORM DRAINAGE STRUCTURES
	EXISTING STORM DRAINAGE PIPE
	PROPOSED STORM DRAINAGE STRUCTURES
	PROPOSED STORM DRAINAGE PIPE
PRE-PHASE 1 STRC RIM: XX.XX INV IN: XX.XX XX" HDPE INV OUT: XX.XX XX" HDPE	PRE-PHASE 1 DRAINAGE STRUCTURE INFORMATION
PHASE 1 STRC R=XX.XXX STRC I =XX.XXX (IN) I =XX.XXX (OUT)	PHASE 1 DRAINAGE STRUCTURE INFORMATION
PHASE 2 STRC RIM: XX.XX INV IN: XX.XX XX" HDPE INV OUT: XX.XX XX" HDPE	PROPOSED DRAINAGE STRUCTURE INFORMATION

GENERAL NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
2. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
3. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR PROPOSED SANITARY BUILDING CONNECTION.
4. THE CONTRACTOR SHALL SUBMIT AS-BUILT PLANS CERTIFIED BY A PROFESSIONAL ENGINEER FOR STORMWATER MANAGEMENT PRACTICES LOCATED ON SITE AFTER FINAL CONSTRUCTION IS COMPLETED.
5. A COPY OF THE SWPPP AND ALL INSPECTION REPORTS SHALL BE RETAINED AT THE SITE OF THE LAND DEVELOPMENT ACTIVITY DURING CONSTRUCTION FROM THE DATE OF INITIATION OF CONSTRUCTION ACTIVITIES TO FIVE YEARS AFTER THE DATE OF SUBMITTAL OF THE NOTICE OF TERMINATION (NOT) FORM TO NYSDEC.
6. THE CONTRACTOR MAY MODIFY THE CONSTRUCTION STAGING AS REQUIRED PER FIELD CONDITIONS AND SHALL PROVIDE ALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES. THE CONTRACTOR SHALL NOT DISTURB MORE THAN 10 ACRES AT ANY PARTICULAR TIME THROUGHOUT ALL CONSTRUCTION ACTIVITIES.
7. SHEETS C-6.0 THROUGH C-6.4 ARE IN COLOR AND ARE VALID ONLY WHEN PRINTED IN COLOR.
8. REFER TO SHEETS C-7.0 THROUGH C-7.2 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
9. LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.
10. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
11. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

STAGE 4 CONSTRUCTION SEQUENCE

STAGE 4 - (1.69 AC)

1. MOBILIZATION.
2. INSTALL EROSION CONTROL MEASURES WITHIN AND AROUND LIMITS OF DISTURBANCE FOR STAGE 3: STABILIZED CONSTRUCTION ENTRANCES, SILT FENCE, INLET PROTECTION FOR DRAINAGE STRUCTURES WITHIN AND AROUND LOD, STOCKPILE AREA, AND WASTE/BORROW AREAS.
3. EXCAVATION AND INSTALLATION OF PHASE 2 I-2 INFILTRATION BASIN #1.
4. CONSTRUCT THE FOLLOWING STORMWATER FACILITIES. REFER TO SHEET C-4.1 FOR MORE INFORMATION.
   - 4.1. DRAINAGE STRUCTURES: PHASE 2 OUTLET 112, PHASE 2 OUTLET 113, PHASE 2 OCS-124, PHASE 2 OUTFALL 125
   - 4.2. ASSOCIATED DRAINAGE PIPES
5. CAP SOUTHERN PIPE OPENING AT PHASE 2 DI-111 AND UNCAP DOWNSTREAM PIPE OPENINGS AT PHASE 2 DI-111.
6. INSTALL DEWATERING PUMPS BETWEEN PHASE 2 TEMPORARY SEDIMENT BASIN #2 AND PRE-PHASE 1 EXISTING SETTLING BASIN. DRAIN PHASE 2 TEMPORARY SEDIMENT BASIN #2 AND REMOVE EXCESS SILT FROM BASIN.
7. REMOVE DEWATERING PUMPS AND THE FOLLOWING EXISTING STORMWATER FACILITIES LOCATED AT PHASE 2 TEMPORARY SEDIMENT BASIN #2. REFER TO SHEET C-6.3 FOR LOCATION OF EXISTING FACILITIES TO BE REMOVED.
   - 7.1. PHASE 2 TEMPORARY SEDIMENT BASIN #2 BYPASS PIPE 201
   - 7.2. PHASE 2 TEMPORARY SEDIMENT BASIN #2 BYPASS PIPE 202
   - 7.3. PHASE 2 TEMPORARY SEDIMENT BASIN #2 BYPASS PIPE 203
   - 7.4. PHASE 2 TEMPORARY SEDIMENT BASIN #2 BYPASS PIPE 204
   - 7.5. PHASE 2 TEMPORARY SEDIMENT BASIN #2 BYPASS PIPE 205
   - 7.6. PHASE 2 TEMPORARY SEDIMENT BASIN #2 RISER 301
   - 7.7. PHASE 2 TEMPORARY SEDIMENT BASIN #2 OUTFALL 401
   - 7.8. PHASE 2 TEMPORARY SEDIMENT BASIN #2 OUTLET 402
   - 7.9. PHASE 2 TEMPORARY BYPASS MANHOLE DMH-302
   - 7.10. PHASE 2 TEMPORARY BYPASS MANHOLE DMH-303
8. BACKFILL AND REMOVE PHASE 2 TEMPORARY SEDIMENT BASIN #2.
9. ACTIVATE PHASE 2 I-2 INFILTRATION BASIN #1.
   - 9.1. NO STORMWATER RUNOFF SHALL BE DIRECTED TO THE INFILTRATION BASIN UNLESS AND UNTIL THE INFILTRATION BASIN, BASIN BOTTOM, BASIN SLOPES, PLANTINGS, ETC., HAVE ACHIEVED 100% STABILIZATION AND ALL UPSTREAM AREAS HAVE ACHIEVED 80% STABILIZATION.
10. INSTALL TREES, SHRUBS, AND ALL LARGE LANDSCAPE ELEMENTS SPECIFIED AND FINAL SEED AND SOD FOR FULL LOD OF THIS STAGE.
11. REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES.
12. ESTIMATED TIME OF CONSTRUCTION (STAGE 5): 3 MONTHS

DISCLAIMER

THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley-Horn New York

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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK · DANIEL LO FRISCO · No. 090067 · LICENSED PROFESSIONAL ENGINEER

01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

EROSION & SEDIMENT CONTROL PLAN - STAGE 4

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-6.4

Saved Tuesday, January 27, 2026 8:32:28 AM KITTY.CHEN Plotted Thursday, January 29, 2026 12:31:35 PM Chen, Kitty

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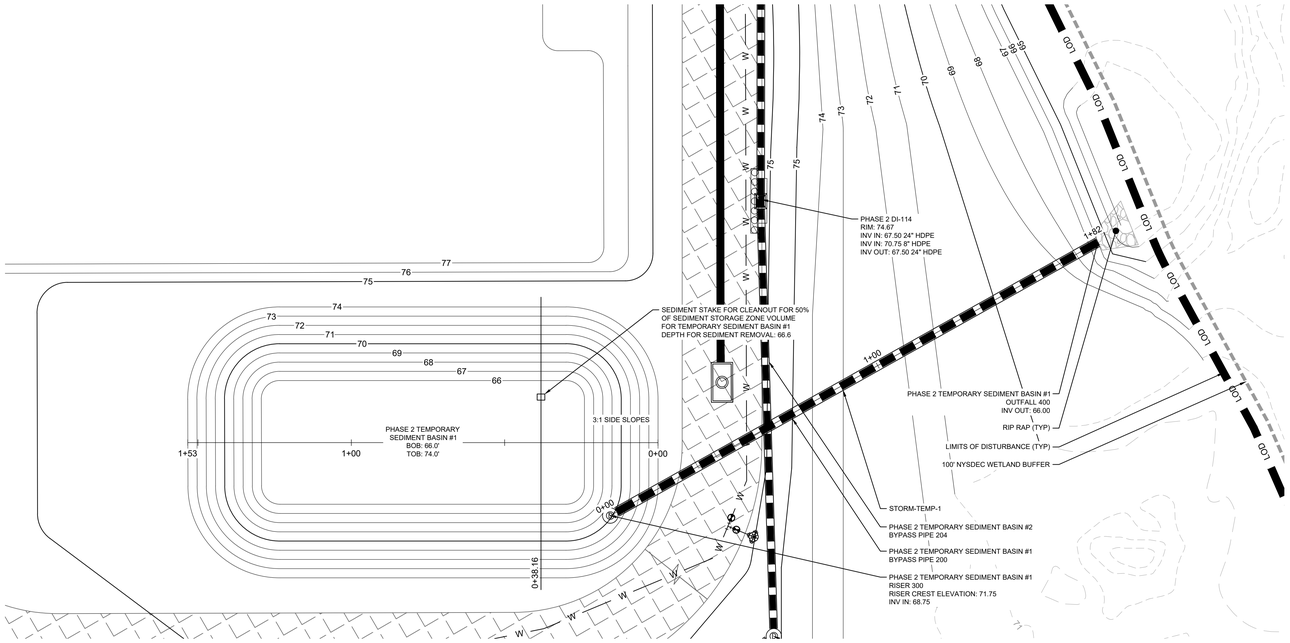
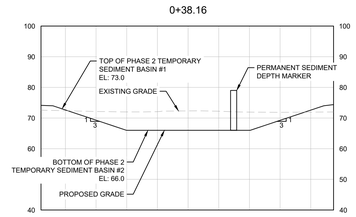
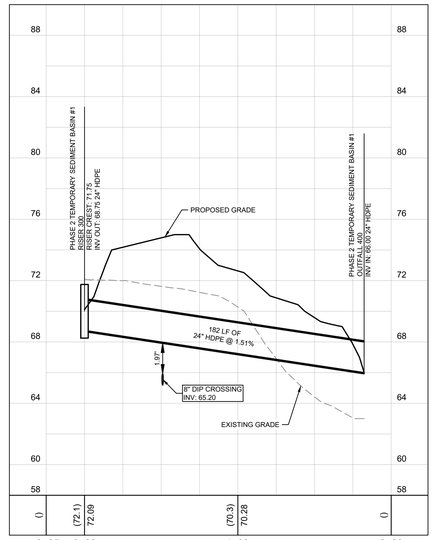
k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-6.X TEMPORARY BASIN ENLARGED VIEW.dwg



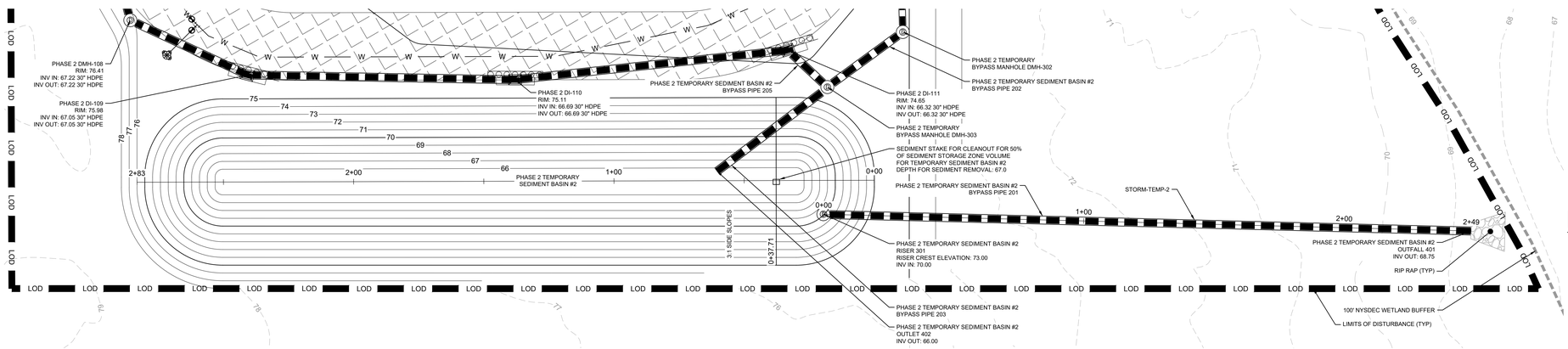
PHASE 2 TEMPORARY SEDIMENT BASIN #1 ENLARGED VIEW



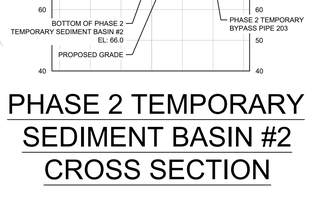
PHASE 2 TEMPORARY SEDIMENT BASIN #1 CROSS SECTION



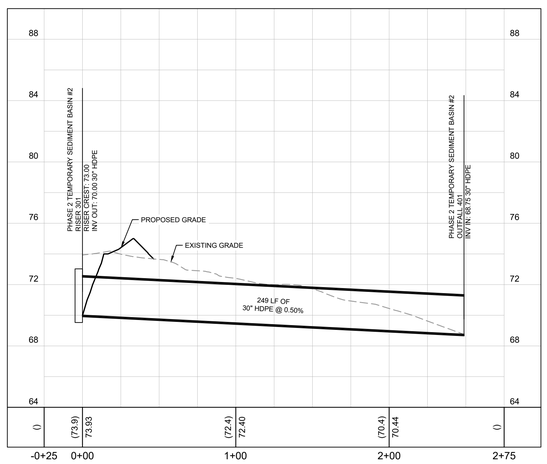
STORM-TEMP-1



PHASE 2 TEMPORARY SEDIMENT BASIN #2 ENLARGED VIEW



PHASE 2 TEMPORARY SEDIMENT BASIN #2 CROSS SECTION



STORM-TEMP-2

LEGEND	
	PROPERTY LINE
LOD	TOTAL AREA OF DISTURBANCE (7.56 AC)
XXX	EXISTING CONTOUR
XXX	PROPOSED CONTOUR
	INLET PROTECTION (SEE DETAIL ON SHEET C-7.2)
	EXISTING WATERCOURSE
	100' WETLAND BUFFER
	PROPOSED STORM DRAINAGE STRUCTURES
	PROPOSED STORM DRAINAGE PIPE

GENERAL NOTES

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2. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
4. THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING DONE ON OR NEAR ANY OF THE EXISTING OR PROPOSED SANITARY SEWER IMPROVEMENTS AND/OR PROPOSED SANITARY BUILDING CONNECTION.
5. LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.
6. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
7. REFER TO SHEET C-8.5 FOR TEMPORARY SEDIMENT BASIN DETAILS.
8. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
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3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
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FOR PERMIT REVIEW

Kimley»Horn
New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK — DANIEL LO PRISCO — No. 090067 — LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002	SCALE:	AS SHOWN	DESIGNED BY:	TAS	KC
DATE	06/12/2024			DRAWN BY:		DL
				CHECKED BY:		

TEMPORARY BASIN ENLARGED VIEW

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN
NEW YORK

SHEET NUMBER
C-6.5

Saved Thursday, January 22, 2026 6:51:49 PM KITTY CHEN Plotted Thursday, January 29, 2026 12:31:53 PM Chen, Kitty
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Saved Thursday, January 22, 2026 6:54:08 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:32:04 PM Chen, Kitty

EROSION AND SEDIMENT CONTROL NOTES

GENERAL NOTES

A. ALL E&SC MEASURES SHALL BE INSTALLED AND MAINTAINED PER NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, DATED NOVEMBER 2016, OR LATEST REVISION THERETO.

B. THE OWNER/APPLICANT MUST ENSURE THAT TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENT CONTROL FEATURES ARE DESIGNED, INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT, IN ORDER TO PREVENT SOIL DISTURBANCES FROM CONSTRUCTION OPERATIONS FROM HAVING A NEGATIVE OR ADVERSE EFFECT TO ADJACENT PROPERTIES.

C. ANY IMPORTED TOPSOIL SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR QUALITY AND USE.

D. TEMPORARY SEDIMENT TRAPPING E&S CONTROLS ARE NOT TO BE REMOVED UNTIL PERMANENT STABILIZATION (80% UNIFORM DENSITY OF PERMANENT VEGETATION OR PERMANENT MULCH/STONE) IS ESTABLISHED IN ALL CONTRIBUTORY DRAINAGE AREAS PER THE NOVEMBER 2016 NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, OR LATEST REVISION THERETO.

DESCRIPTION OF WORK

A. PROVIDE MEANS NECESSARY TO INSTALL, INSPECT AND MAINTAIN, AND REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO MINIMIZE THE EROSION AND UNSPECIFIED TRANSPORT OF SOIL FROM THE SITE.

QUALITY ASSURANCE

A. GENERAL

1. INSTALL AND MAINTAIN IN COMPLIANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, RETAIN A COPY OF THE PROJECT'S NOTICE OF INTENT (NOI); A BRIEF DESCRIPTION OF THE PROJECT POST IN A PROMINENT PLACE FOR PUBLIC VIEWING; AND A COPY OF THE PROJECTS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AT THE CONSTRUCTION SITE FROM TE DATE OF INITIATION OF CONSTRUCTION ACTIVITIES TO THE DATE OF NOTICE IF TERMINATION (NOT) SUBMISSION.
2. INSTALL ALL EROSION AND SEDIMENT MEASURES IN ACCORDANCE WITH THE DRAWINGS OR NEW YORK SATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AUGUST 2005 OR LATEST REVISION THERETO.
3. GRADE AND MAINTAIN SITE AT ALL TIMES SUCH THAT ALL STORMWATER RUNOFF FROM DISTURBED AREAS IS DIVERTED TO SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES.
4. NO CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE.
5. NO MORE THAN 5 ACRES OF SOIL CAN BE DISTURBED AT ANY TIME WITHOUT A 5-ACRE WAIVER ISSUED BY THE NYSDEC AND/OR TOWN OF ORANGETOWN. ALL DISTURBED AREAS SHALL BE PROTECTED BY EROSION AND SEDIMENT CONTROL MEASURES.
6. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS RELATING TO THE PREVENTION AND ABATEMENT OF POLLUTION.

B. PRODUCT DATA

1. SUBMIT MANUFACTURER'S CATALOGUE CUTS, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR SILT FENCES, FILTER FABRICS, EROSION CONTROL BLANKETS, TRASH RACKS, ANTI-SEEP COLLARS, SEDIMENT TRAP RISER AND BARREL PIPES, AND DEWATERING DEVICES TO THE DESIGN ENGINEER FOR REVIEW AND ACCEPTANCE.

WORK SCHEDULE

A. PRE-CONSTRUCTION PHASE

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
2. PRIOR TO EARTHWORK OPERATIONS OR THE IMPORTATION OF FILL MATERIAL, INSTALL PERIMETER SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCES.
3. PROTECT EXISTING PIPING TO REMAIN IN PLACE MAINTAINING ELEVATIONS.
4. GRADE OUT TO LOW POINTS AND INSTALL AND MAINTAIN TEMPORARY DEWATERING SYSTEMS AS REQUIRED.
5. CONVERT EXISTING OPEN GRATES ON STORM DRAIN STRUCTURES SHOWN TO REMAIN.

B. CONSTRUCTION PHASE

1. PROVIDE NECESSARY MEANS TO INSPECT AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED TO MINIMIZE THE EROSION AND UNSPECIFIED TRANSPORT OF SOIL AND SEDIMENT UNTIL THEIR REMOVAL AS SPECIFIED. INSPECT MEASURES DAILY AND WITHIN 24 HOURS OF THE END OF A 0.5 INCH OR GREATER STORM EVENT. STABILIZED AREAS WILL BE INSPECTED MONTHLY UNTIL THE ENTIRE SITE IS STABILIZED. MAINTENANCE SHOULD COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 5 CALENDAR DAYS OF DETERMINING ITS NEED.
2. PROVIDE NECESSARY DUST CONTROL WITH WATER AND/OR WIND BARRIERS TO MINIMIZE FUGITIVE DUST.
3. KEEP PAVED SURFACES SWEPT CLEAN AT ALL TIMES.
4. TEMPORARILY STABILIZE AS SPECIFIED AND AS REQUIRED ALL INACTIVE AREAS TO REDUCE DISTURBED AREAS.
5. FOLLOW FINISH GRADING, INSTALL TEMPORARY OR PERMANENT STABILIZATION.
6. IMMEDIATELY FOLLOWING THE INSTALLATION OF CATCH BASIN INLETS, INSTALL INLET PROTECTION.

C. POST-CONSTRUCTION PHASE

1. STABILIZE WATERSHED AND HAVE OWNER'S REPRESENTATIVE REVIEW AND ACCEPT.
2. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO REMAIN IN PLACE PENDING THE START OF PERMANENT CONSTRUCTION ON-SITE OR AS OTHERWISE DIRECTED BY EITHER THE OWNER'S REPRESENTATIVE AND TOWN ENGINEER.

PRODUCTS AND EXECUTION

A. NO PUMPING OR DEWATERING INTO THE EXISTING STORMWATER MAIN WITHOUT PRE-FILTERING AS APPROVED BY THE TOWN ENGINEER.

B. SILT FENCE: SILT FENCE FABRIC SHALL BE MIRAFI 100X OR APPROVED EQUAL. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD, A MINIMUM 36 INCHES LONG AND TWO INCHES SQUARE. METAL POSTS SHALL BE STANDARD T AND U SECTION WEIGHING NOT LESS THAN ONE POND PER LINEAR FOOT. WIRE FENCE BACKING SHALL BE A MINIMUM 14.5 GAUGE WITH A MAXIMUM SIX INCH MESH OPENING AND SECURELY ATTACHED TO FENCE POSTS.

C. COIR LOGS: WOOD POSTS SHALL WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD, A MINIMUM 36 INCHES LONG AND TWO INCHES SQUARE. METAL POSTS SHALL BE STANDARD T AND U SECTION WEIGHING NOT LESS THAN ONE POND PER LINEAR FOOT. THERE SHALL BE A MINIMUM OF THREE POSTS FOR EACH LOG LENGTH AND SHALL EXTEND A MINIMUM OF 12 INCHES INTO THE GROUND. THE CONTRACTOR SHALL REMOVE SEDIMENT DEPOSITS WHEN DEPOSITS REACHES HALF THE HEIGHT OF THE COIR LOG.

D. EROSION CONTROL BLANKETS: EROSION CONTROL BLANKETS SHALL BE ESC-2 BY EAST COAST, OR APPROVED EQUAL.

E. STABILIZED CONSTRUCTION ENTRANCE: THE FILTER FABRIC SHALL BE MIRAFI 600X OR APPROVED EQUAL. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.

F. TEMPORARY STABILIZATION:

1. ESTABLISHMENT OF TEMPORARY GRASS COVER: PREPARE SEED BED, SCARIFY IF COMPACTED, REMOVE DEBRIS AND OBSTACLES SUCH AS ROCKS ANDS TUMPS, AND SEED WITH 24 HOURS. AMEND SOIL, LIME SOIL TO pH OF 6.0 AND FERTILIZE AT A RATE OF 14 LBS. PER 1,000 SF WITH A 5-10-10 OR EQUIVALENT FERTILIZER. WORK AMENDMENTS A MINIMUM OF 4 INCHES INTO SOIL. IF SEEDING IN OCTOBER/NOVEMBER, SEED SHALL BE CERTIFIED ARCOSTOOK WINTER RYE AT 100 LBS. PER ACRE, OTHERWISE SEED SHALL BE RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE.
2. TREAT ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED BUILDING AS NECESSARY TO PROVIDE DUST CONTROL. CONFORM TO ALL STATE AND LOCAL REGULATIONS GOVERNING THESE ACTIVITIES.

G. CONSTRUCTION VEHICLES: WASH DOWN ALL CONSTRUCTION VEHICLES AND COVER WITH TARPAULINS AS NECESSARY TO PREVENT VEHICLE TRANSPORT OF SEDIMENTS OFF-SITE.

H. PROVIDE MEASURES FOR TRUCK AND TOOL WASH WATER TO BE TREATED PRIOR TO DISCHARGE TO NATURAL AREAS.

I. NO UNFILTERED DISCHARGE FROM ANY UNSTABILIZED AREAS SHALL BE ALLOWED TO ENTER ANY PERMANENT DRAINAGE OR FILTRATION FACILITIES.

DUST CONTROL

A. CONSTRUCTION OPERATIONS SHOULD BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME.

B. BUFFER AREAS OF VEGETATION SHOULD BE LEFT WHERE PRACTICAL.

C. TEMPORARY OR PERMANENT STABILIZATION MEASURES SHALL BE INSTALLED.

D. NON-DRIVING AREAS: THESE AREAS USE PRODUCTS AND MATERIALS APPLIED OR PLACED ON SOIL SURFACES TO PREVENT AIRBORNE MIGRATION OF SOIL PARTICLES.

1. VEGETATIVE COVER: FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL.
2. MULCH OFFERS A FAST EFFECTIVE MEANS OF CONTROLLING DUST. THIS CAN ALSO INCLUDE ROLLED EROSION CONTROL BLANKETS.

E. DRIVING AREAS: THESE AREAS UTILIZE WATER AND BARRIERS TO PREVENT DUST MOVEMENT FROM THE TRAFFIC SURFACES INTO THE AIR.

1. SPRINKLING: THE SITE MAY BE SPRAYED WITH WATER UNTIL THE SURFACE IS WET. THIS IS ESPECIALLY EFFECTIVE ON HAUL ROADS AND ACCESS ROUTES.
2. BARRIERS: WOVEN GEOTEXTILES CAN BE PLACED ON THE DRIVING SURFACE TO EFFECTIVELY REDUCE DUST THROW AND PARTICLE MIGRATION ON HAUL ROADS. STONE CAL ALSO BE USED FOR CONSTRUCTION ROADS FOR EFFECTIVE DUST CONTROL.
3. WIND BREAK: A SILT FENCE OR SIMILAR BARRIER CAN CONTROL AIR CURRENT AT INTERVALS EQUAL TO TEN TIMES THE BARRIER HEIGHT. PRESERVE EXISTING WIND BARRIER VEGETATION AS MUCH AS PRACTICAL.

F. MAINTENANCE: MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED.

ELEVATION NOTE

1. ELEVATION 0.0 SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS EQUALS ELEVATION 78.0 ON CIVIL DRAWINGS.

GENERAL NOTES

1. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVES IN THE MANNER SPECIFIED BY SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
2. LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.
3. CONTRACTOR TO NOTIFY TOWN OF ORANGETOWN SEWER INSPECTOR AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION WORK ON OR NEAR EXISTING OR PROPOSED SANITARY SEWER FACILITIES.
4. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.
5. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

DISCLAIMER

THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn
New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FARO
No. 090057
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

EROSION AND SEDIMENT CONTROL NOTES

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-7.0

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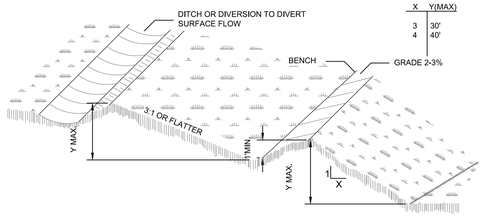
k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-7.0 EROSION & SEDIMENT CONTROL NOTES AND DETAILS.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley»Horn Engineering and Landscape Architecture of New York, P.C. shall be without liability to Kimley»Horn Engineering and Landscape Architecture of New York, P.C.

Saved Thursday, January 22, 2026 6:54:08 PM; KITTY.CHEN Plotted Thursday, January 29, 2026 12:32:06 PM Chen, Kitty

SYMBOL



X	Y(MAX)
3	30'
4	40'

CONSTRUCTION SPECIFICATIONS

1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
2. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
4. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
5. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
6. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
7. ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
8. EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
9. FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
10. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
11. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
12. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
13. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
14. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.

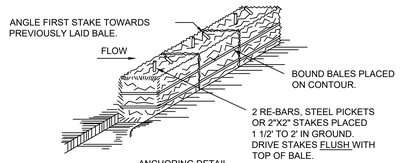
LANDGRADING DETAIL AND NOTES

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

SYMBOL

BEDDING DETAIL
NOT TO SCALE

DRAINAGE AREA NO MORE THAN 1/4 ACRE PER 100 FEET OF STRAW BALE DIKE FOR SLOPES LESS THAN 25%.



ANCHORING DETAIL
NOT TO SCALE

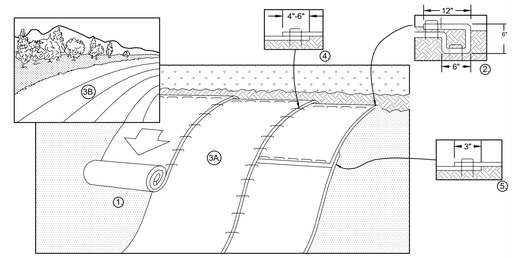
CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULLNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STRAW BALE DIKE

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

SYMBOL

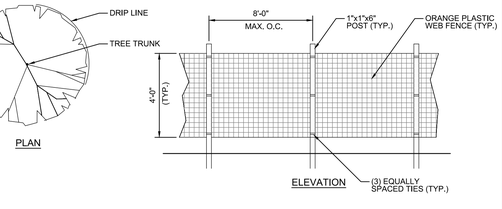


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL 2. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (3A.) DOWN OR (3B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 6" OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.

NOTES:
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION CONTROL BLANKET (ERONET P300)

N.T.S. SOURCE: NORTH AMERICAN GREEN



TREE PROTECTION NOTES:

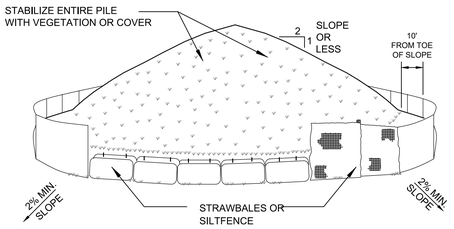
1. EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY EROSION CONTROL FENCE AND HAY BALE BARRIER. ERECT BARRIER AT EDGE OF THE EARTHWORK CUT LINE PRIOR TO TREE CLEARING. LAY OUT THIS LINE BY FIELD SURVEY.
2. CONTRACTOR SHALL NOT OPERATE VEHICLES WITHIN THE TREE PROTECTION AREA. CONTRACTOR SHALL NOT STORE VEHICLES OR MATERIALS, OR DISPOSE OF ANY WASTE MATERIALS, WITHIN THE TREE PROTECTION AREA.
3. DAMAGE TO EXISTING TREES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY A CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.
4. INSTALL TREE PROTECTION FENCE AT THE DRIP LINE OF EXISTING TREES.

TREE PROTECTION FENCE

N.T.S. SOURCE: KIMLEY-HORN

INSTALLATION NOTES:

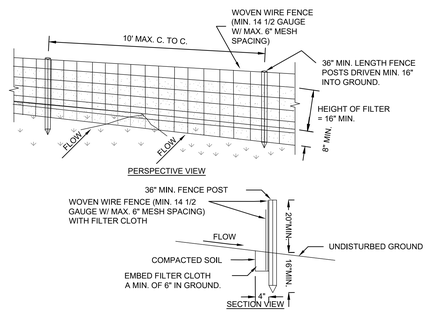
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SILT FENCE DETAIL ON THIS SHEET
5. TEMPORARILY STABILIZE AS NOTED IN SPECIFICATIONS



SOIL STOCKPILE AREA

N.T.S. SOURCE: KIMLEY-HORN

SYMBOL



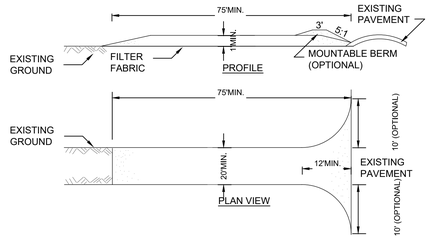
CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

SYMBOL

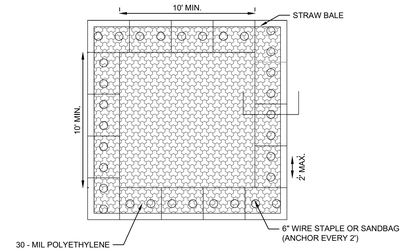


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 75 FEET.
3. THICKNESS - NOT LESS THAN TWELVE (12) INCHES.
4. WIDTH - TWENTY (20) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON- STRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

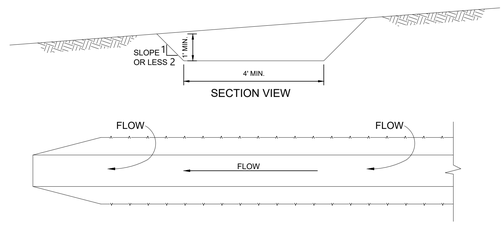
N.T.S. SOURCE: NYSDEC SESC BLUE BOOK



STRAW BALE ANCHOR SECTIONS

CONCRETE WASHOUT AREA

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK



INSTALLATION NOTES:

1. ALL TEMPORARY SWALES SHALL HAVE INTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM A UNDISTURBED AREA SHALL OUTLET DIRECTLY ONTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITIES.
4. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE / DELETERIOUS MATERIALS SHALL BE REMOVED AND DISPOSED OF SO AS TO NOT TO INTERFERE WITH THE PROPER FUNCTION OF THE SWALE.
5. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
6. FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
7. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED AS TO NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
8. INSPECTION AND MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.
9. STABILIZATION SHALL BE AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	A (5 AC. OR LESS)	B (5 AC. TO 10 AC.)
1	0 TO 3%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3 TO 5%	SEED AND STRAW MULCH	SEED AND JUTE MESH LINED - RIPRAP 2"
3	5 TO 8%	SEED AND JUTE MESH LINED - RIPRAP 2"	LINED - RIPRAP 4 TO 8"
4	8 TO 20%	LINED - RIPRAP 4 TO 8"	ENGINEERED DESIGN

TEMPORARY DIVERSON SWALE

N.T.S. SOURCE: KIMLEY HORN

NO.	DESCRIPTION	DATE
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FOR PERMIT REVIEW

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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FISO
No. 090087
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

EROSION AND SEDIMENT CONTROL DETAILS

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
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TOWN OF ORANGETOWN
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SHEET NUMBER
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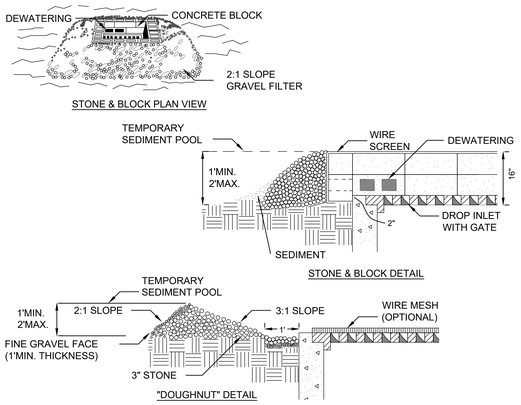
k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-7.0 EROSION & SEDIMENT CONTROL NOTES AND DETAILS.dwg

SYMBOL



CONSTRUCTION SPECIFICATIONS

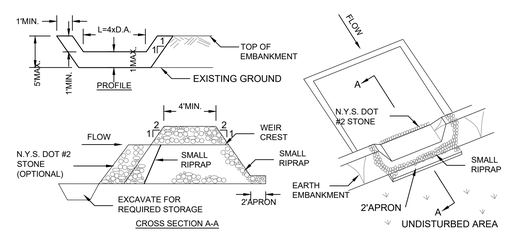
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.

MAXIMUM DRAINAGE AREA 1 ACRE

STONE AND BLOCK DROP INLET PROTECTION

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

SYMBOL



OPTION: A ONE FOOT LAYER OF N.Y.S. DOT #2 STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP INPLACE OF THE EMBEDDED FILTER CLOTH.

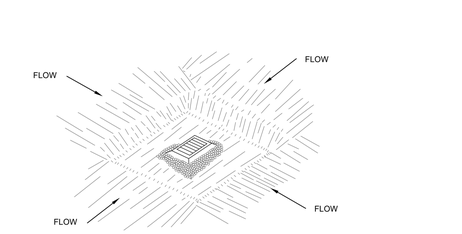
CONSTRUCTION SPECIFICATIONS

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1' THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. IT SHALL BE PLACED ON SITE AND STABILIZED.
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED. MAXIMUM DRAINAGE AREA 5 ACRES

STONE OUTLET SEDIMENT TRAP (ST-II)

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

SYMBOL



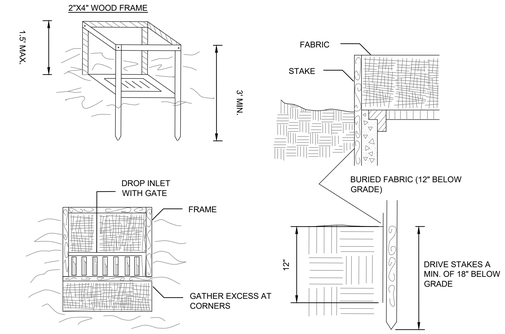
CONSTRUCTION SPECIFICATIONS

1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES. FILL EXCAVATION WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING. MAXIMUM DRAINAGE AREA 1 ACRE

EXCAVATED DROP INLET PROTECTION

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

SYMBOL



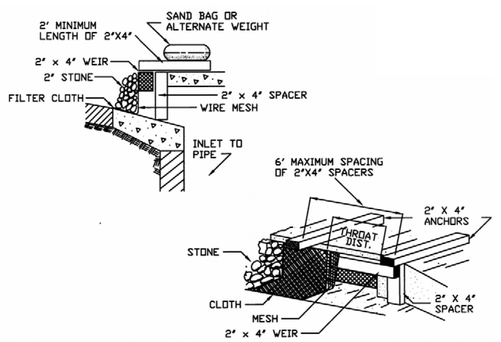
CONSTRUCTION SPECIFICATIONS

1. FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. MAXIMUM DRAINAGE AREA 1 ACRE

FABRIC DROP INLET PROTECTION

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

SYMBOL



CONSTRUCTION SPECIFICATIONS

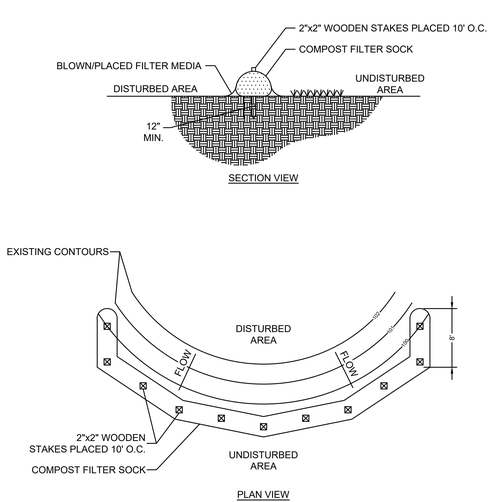
1. FILTER FABRIC SHALL HAVE AN AOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2' x 4' CONSTRUCTION GRADE LUMBER.
3. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2' x 4' WEIR.
4. THE WEIR SHALL BE SECURELY NAILED TO 2' x 4' SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2' x 4' ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

MAXIMUM DRAINAGE AREA 1 ACRE

CURB DROP INLET PROTECTION

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

SYMBOL



COMPOST FILTER SOCK

N.T.S. SOURCE: NYSDEC SESC BLUE BOOK

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn
New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FRISCO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

EROSION AND SEDIMENT CONTROL DETAILS

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-7.2

Saved Thursday, January 22, 2026 6:54:08 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:32:08 PM Chen, Kitty
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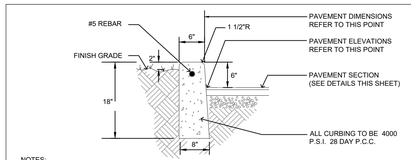
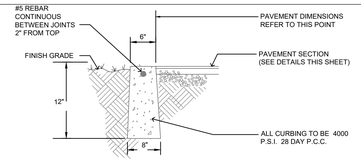
Saved Friday, January 23, 2026 10:23:36 AM TRENT.SUDDETH Plotted Thursday, January 29, 2026 12:32:22 PM Chen, Kitty



NOTES:
1. ANY EXCAVATION BELOW DESIRED GRADE DUE TO OVER EXCAVATION OR WET SOIL CONDITIONS SHALL BE BACKFILLED WITH 3/4" CLEAN CRUSHED STONE. ALL SUBGRADES SHALL BE APPROVED BY THE TOWN ENGINEER PRIOR TO POURING.
2. EXPANSION JOINTS SHALL BE PROVIDED AT EQUAL DISTANCES OF NOT MORE THAN 20' AT ALL STORM SEWER INLETS. JOINTS SHALL BE FILLED WITH PREFORMED EXPANSION JOINT FILLER, 1/2" THICK. THE JOINT SHALL BE RECESSED 1/4" FROM THE TOP AND THE FRONT OF THE CONCRETE CURB.
3. PAVEMENT REPAIR TO BE PROVIDED AS NEEDED FOR CURB REPLACEMENT.
4. THE TOP OF CURB (AT THE OUTSIDE OR NON-EXPOSED FACE) SHALL NOT VARY MORE THAN 0.01 FT. FROM A 10 FT. STRAIGHT EDGE PLACED LONGITUDINALLY ALONG THE CURB OR AT THE FLOW LINE OF THE GUTTER.
5. THE FACE OF CURB SHALL NOT VARY MORE THAN 0.03 FT. FROM A 10 FT. STRAIGHT EDGE PLACED LONGITUDINALLY ALONG THE FLOW LINE.
6. THE ELEVATION OF THE TOP OF CURB OR FLOW LINE OF GUTTER SHALL NOT VARY MORE THAN 0.02 FT. FROM THE TRUE ELEVATION LAID OUT IN THE FIELD BY THE ENGINEER.

FULL REVEAL CONCRETE CURB

N.T.S. SOURCE: KIMLEY-HORN



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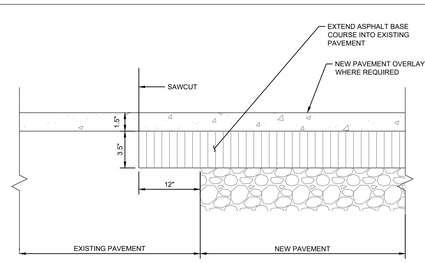
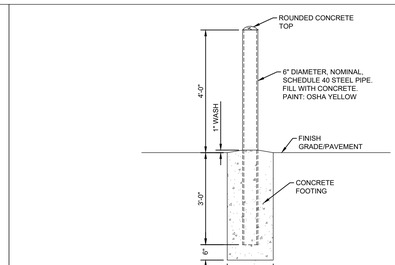
FLUSH CONCRETE CURB

N.T.S. SOURCE: KIMLEY-HORN



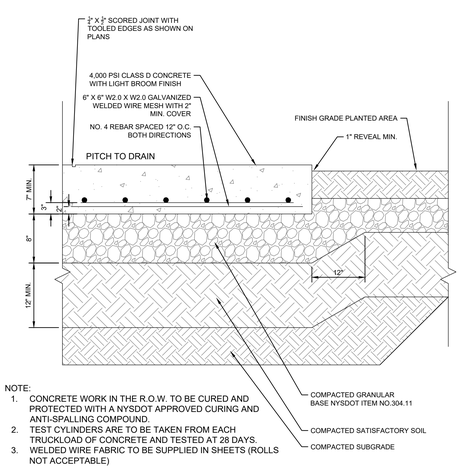
SAWCUT PAVEMENT KEY-IN

N.T.S. SOURCE: KIMLEY-HORN



6" BOLLARD DETAIL

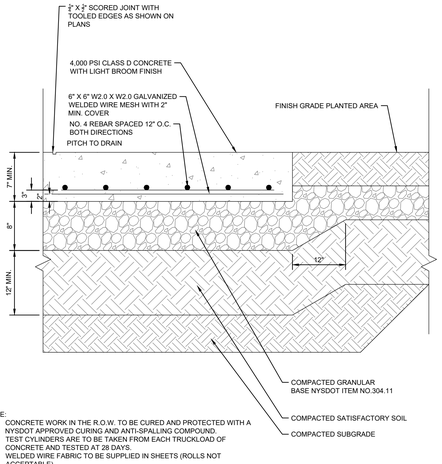
N.T.S. SOURCE: KIMLEY-HORN



NOTE:
1. CONCRETE WORK IN THE R.O.W. TO BE CURED AND PROTECTED WITH A NYSDOT APPROVED CURING AND ANTI-SPALLING COMPOUND.
2. TEST CYLINDERS ARE TO BE TAKEN FROM EACH TRUCKLOAD OF CONCRETE AND TESTED AT 28 DAYS.
3. WELDED WIRE FABRIC TO BE SUPPLIED IN SHEETS (ROLLS NOT ACCEPTABLE)

CONCRETE UTILITY PAD

N.T.S. SOURCE: KIMLEY-HORN



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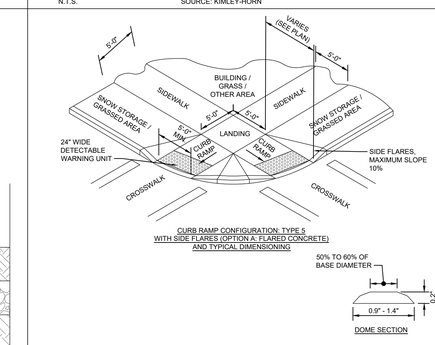
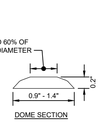
2. TEST CYLINDERS ARE TO BE TAKEN FROM EACH TRUCKLOAD OF CONCRETE AND TESTED AT 28 DAYS.
3. WELDED WIRE FABRIC TO BE SUPPLIED IN SHEETS (ROLLS NOT ACCEPTABLE)

CONCRETE UTILITY PAD/CONCRETE APRON FOR DRIVEWAYS

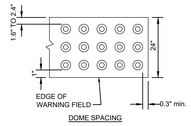
N.T.S. SOURCE: KIMLEY-HORN



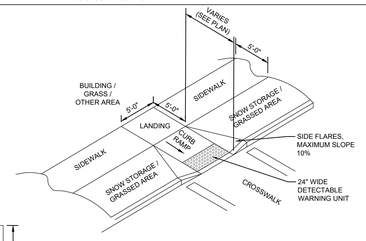
CURB RAMP CONFIGURATION: TYPE 5
WITH SIDE FLARES (OPTION A: FLARED CONCRETE)
AND TYPICAL DIMENSIONING



DOME SECTION



DOME SPACING



CURB RAMP CONFIGURATION: TYPE 11 MID-BLOCK
CROSS OR T INTERSECTION
WITH SIDE FLARES (OPTION A: FLARED CONCRETE)
AND TYPICAL DIMENSIONING

CONSTRUCTION NOTES:

GENERAL NOTES
1. REFER TO NYSDOT STANDARD SHEET 608-01 (SHEETS 1 THROUGH 9) FOR ADDITIONAL RELEVANT INFORMATION.
2. THE DIMENSIONS AND SLOPES PRESENTED IN THE DETAILS ARE THE MINIMUM NECESSARY TO COMPLY WITH THE ADA AND DOT STANDARDS. ANY DEVIATION LESS THAN THE MINIMUM WIDTH OR GREATER THAN THE MAXIMUM SLOPE FROM THESE STANDARDS MUST BE DOCUMENTED WITH THE STANDARDS BEING MET TO THE MAXIMUM EXTENT PRACTICABLE AND CONSISTENT WITH THE MOST CURRENT ADAAG.
3. CURB RAMPS, LANDINGS, AND BLENDED TRANSITIONS MAY REQUIRE THE USE OF DETECTABLE WARNINGS. DETECTABLE WARNINGS ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO THE DETECTABLE WARNING DETAILS FOR DETAILS ON PLACEMENT, ORIENTATION AND DIMENSIONS. REFER TO CHAPTER 18 OF THE HIGHWAY DESIGN MANUAL FOR MORE INFORMATION.

CURB RAMP NOTES
1. THE MINIMUM WIDTH FOR SIDEWALK CURB RAMPS IS 5'-0".
2. THE RUNNING SLOPE OF A CURB RAMP SHALL BE 1:20 (5%) MINIMUM (PREFERRED) AND 1:12 (8.33%) MAXIMUM.
3. WHERE SLOPE OF THE ROADWAY EXCEEDS 8.33%, THE CURB RAMP LENGTH IS THE LENGTH NECESSARY TO MEET THE EXISTING SIDEWALK. IT IS NOT NECESSARY THAT THE RAMP LENGTH EXCEEDS 15'-0".
4. THE CROSS SLOPE OF THE CURB RAMPS SHOULD BE AS FLAT AS POSSIBLE, NOT TO EXCEEDS 1:50 (2%). THE CROSS SLOPE AT MID-BLOCK CROSSINGS MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.
5. THE VERTICAL ALIGNMENT OF THE CURB RAMP, EXCLUDING THE FLARES, SHALL BE PLANAR. GRADE BREAKS SHALL BE FLUSH AND PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN.
6. RAMP TRANSITIONS BETWEEN WALKS, LANDINGS, GUTTERS, OR STREET SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (¼" MAXIMUM).
7. WHERE A PEDESTRIAN CIRCULATION PATH CROSS THE CURB RAMP, FLARED SIDES WITH A MAXIMUM SLOPE OF 10% MEASURED PARALLEL TO THE CURB LINE SHALL BE PROVIDED.

LANDING NOTES
1. LANDINGS SHALL HAVE A MINIMUM CLEAR DIMENSION OF 5'-0" BY 5'-0".
2. THE RUNNING AND CROSS SLOPE ON LANDINGS AT INTERSECTIONS SHALL BE 1:50 (2%) MAXIMUM. THE RUNNING AND CROSS SLOPE AT MID-BLOCK CROSSINGS MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.

DETECTABLE WARNING NOTES:

GENERAL NOTES
1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF THE DOMES DEPICTED ON THE DETECTABLE WARNING UNITS (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATIVE PURPOSES ONLY.

DETECTABLE WARNING UNIT DIMENSIONS
1. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUSIVE OF THE SIDE FLARES.

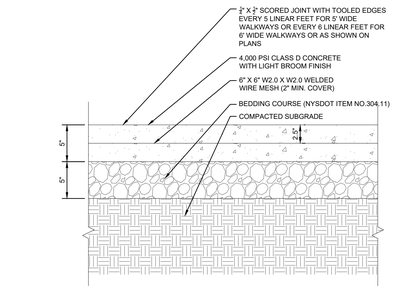
DOME ALIGNMENT
1. THE ROW OF DOMES SHALL BE BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE CURB RAMP LANDING OR THE CURB RAMP OR THE FLUSH SURFACE AND THE STREET.
2. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.

COLOR REQUIREMENT
1. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS SET FORTH IN THE DOT STANDARD SPECIFICATIONS.

DETECTABLE WARNING LOCATIONS
1. DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THEIR EDGE OR CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 5" TO 9" FROM THE FRONT OF THE CURB OR ROADWAY EDGE (12" WHERE TRAVERSABLE CURB IS USED).
2. THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 6'-0" MINIMUM AND 15'-0" MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL.

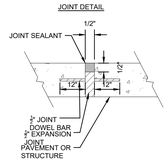
PEDESTRIAN / ACCESSIBLE CURB RAMP

N.T.S. SOURCE: NYSDOT STANDARD SHEET 608-01 (SHEETS 1 THROUGH 9)



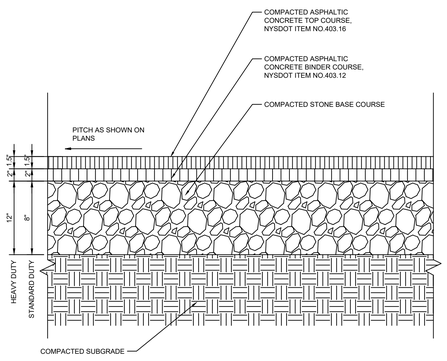
NOTE:
1. EXPANSION JOINTS WITH JOINT SEALANT TO BE SPACED AT 20' O.C. FOR 5' WIDE WALKWAYS AND 24' O.C. FOR 6' WIDE WALKWAYS PROVIDE ½" EXPANSION JOINT WITH SEALANT BETWEEN CONCRETE WALKWAYS AND CONCRETE CURBS, BUILDINGS, WALLS, LIGHT POLE BASES, AND OTHER STRUCTURES.
2. CONCRETE WORK IN THE THE R.O.W. TO BE CURED AND PROTECTED WITH A NYSDOT APPROVED CURING AND ANTI-SPALLING COMPOUND.
3. TEST CYLINDERS ARE TO BE TAKEN FROM EACH TRUCKLOAD OF CONCRETE AND TESTED AT 28 DAYS.

JOINT DETAIL



CONCRETE PAVEMENT (SIDEWALK)

N.T.S. SOURCE: KIMLEY-HORN



PAVEMENT SECTIONS

STANDARD DUTY	8" STONE BASE 2" BINDER 1½" TOP
HEAVY DUTY	12" STONE BASE 2" BINDER 1½" TOP

ASPHALT PAVEMENT - HEAVY AND STANDARD DUTY

N.T.S. SOURCE: KIMLEY-HORN

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK DANIEL LO FISO No. 090067 LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

CIVIL DETAILS

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-8.0

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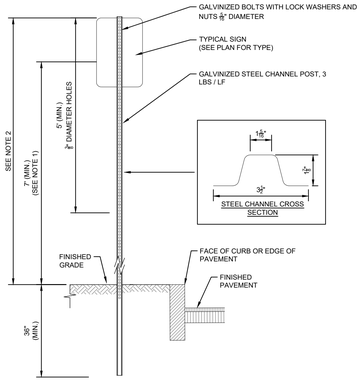
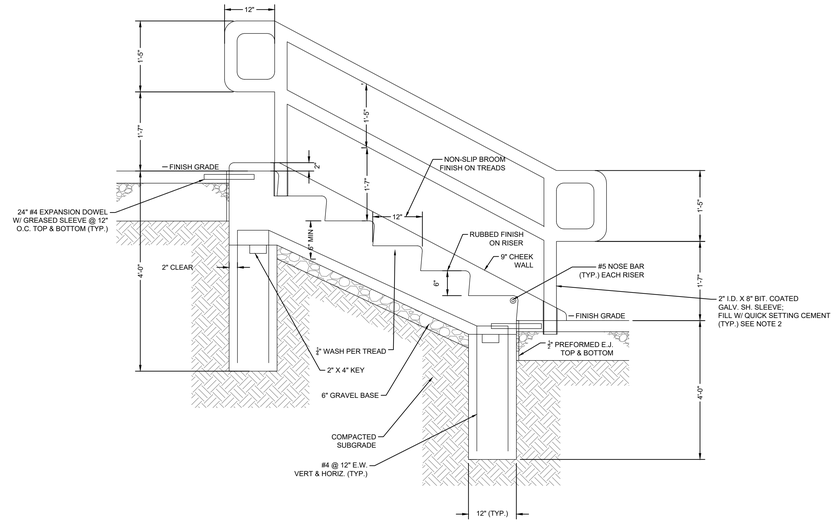


NOTES:
1. DIMENSION SHALL BE A MINIMUM OF 5 FEET FOR ACCESSIBLE SIGNAGE.
2. DIMENSION SHALL BE A MAXIMUM OF 8 FEET FOR ACCESSIBLE SIGNAGE.
3. CHANNEL SET REFLECTIVE TRAFFIC SAFETY PANELS IN ALL PEDESTRIAN CROSSING AND STOP SIGN POSTS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. REFLECTIVE YELLOW PANEL FOR PEDESTRIAN CROSSING SIGNS AND REFLECTIVE RED PANEL FOR STOP SIGNS.

TRAFFIC SIGN POST

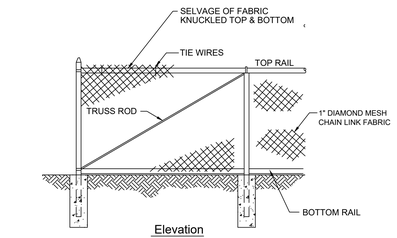
N.T.S. SOURCE: KIMLEY-HORN



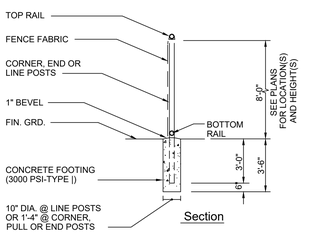
NOTES:
1. SPACE AND HEIGHT OF STAIRS VARY, SEE PLANS FOR SPOT ELEVATIONS @ STAIRS & LANDING LENGTHS.
2. CONTINUOUS RAILING (POSTS @ 5' O.C. MAX.) SHALL BE USED ON BOTH SIDES OF STAIRS
3. WIDTH OF STEPS SHALL BE AS INDICATED ON THE PLANS, AS MEASURED BETWEEN INSIDE FACE OF CHEEK WALLS.

CONCRETE STAIRWELL WITH HANDRAIL

N.T.S. SOURCE: KIMLEY-HORN



Elevation



Section

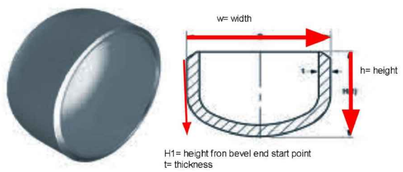
Notes:
1. MATERIALS TO BE SUPPLIED AND INSTALLED IN CONFORMANCE WITH "CHAIN LINK MANUFACTURER'S INSTITUTE" PRODUCT MANUAL.
2. ALL POSTS, RAILS, HARDWARE, AND MESH SHALL BE BLACK VINYL COATED.

4' HIGH CHAIN LINK FENCE

N.T.S. SOURCE: KIMLEY-HORN

TYPICAL 8" TO 12" PVC PIPE FITTING

N.T.S. SOURCE: HOME DEPOT

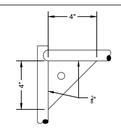


Nominal Pipe Size (NPS)	DN	Outside Diameter art Bevel	Length, L	Limiting Wall Thickness for Length	Length, L1
1/2	15	21.3	25	4.57	25
¾	20	26.7	25	3.81	25
1	25	33.4	38	4.57	38
1 1/4	32	42.2	38	4.83	38
1 1/2	40	48.3	38	5.08	38
2	50	60.3	38	5.59	44
2½	65	73	38	7.11	51
3	80	88.9	51	7.62	64
3½	90	101.6	64	8.13	76
4	100	114.3	64	8.64	76
5	125	141.3	76	9.65	89
6	150	168.3	89	10.92	102
8	200	219.1	102	12.7	127
10	250	273	127	12.7	152
12	300	323.8	152	12.7	178
14	350	355.6	165	12.7	191
16	400	406.4	178	12.7	203
18	450	457	203	12.7	229
20	500	508	229	12.7	254
22	550	559	254	12.7	254
24	600	610	267	12.7	305
26	650	660	267		
28	700	711	267	.-"-	...
30	750	762	267	.-"-	...
32	800	813	267	.-"-	...
34	850	864	267	.-"-	...
36	900	914	267		
38	950	965	305		
40	1000	1016	305		
42	1050	1067	305		
44	1100	1118	343		...
46	1150	1168	343		
48	1200	1219	343		

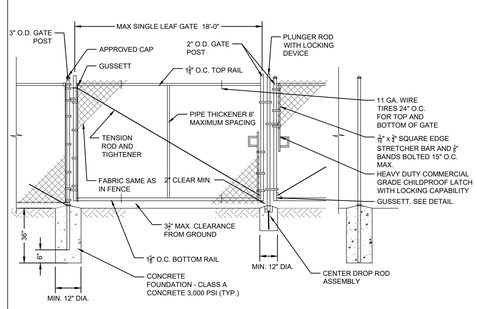
NOTES:
1. REFERENCE CHART IS TAKEN FROM ASME STANDARDS B16.9.
2. CONTRACTOR TO NOTIFY AND OBTAIN APPROVAL FROM TOWN ENGINEER SHOULD OTHER METHODS OF PIPE CAPPING ARE TO BE USED.

TYPICAL PIPE END CAP FITTING

N.T.S. SOURCE: HOME DEPOT



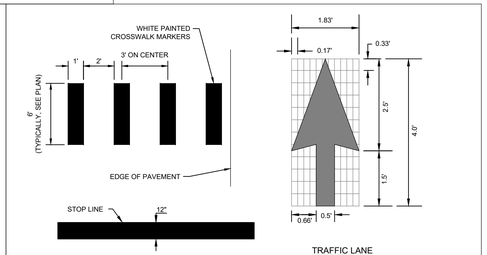
GUSSET DETAIL



NOTES:
1. PROVIDE SHOP DRAWINGS FOR APPROVAL BY PROJECT ENGINEER PRIOR TO FABRICATION.
2. TWO 6' HIGH SWING GATES WITH CHILD SAFE LATCHES AND LOCKS: COMMERCIAL GRADE CHAIN LINK SWING GATES TO BE 11 GA. 1⅝" BLACK DIAMOND PVC COATED GALVINIZED STAINLESS STELL MESH. ALL LOCKS SHALL BE SELF-LATCHING.
3. ALL KEYS SHALL BE PROVIDED TO THE DEPARTMENT OF ENVIRONMENTAL FACILITIES.
4. ALL POSTS, RAILS, ACCESSORIES AND HARDWARE SHALL BE GALVINIZED OR ALUMINIZED.
5. TERMINAL POSTS SHALL CONSIST OF END, CORNER, ANGLE, AND PULL POSTS.
6. FABRIC SHALL BE INSTALLED ON THE INSIDE OF THE FENCE.
7. SHAPE TOP OF FOOTINGS TO SHED WATER
8. FENCE TO WITHSTAND 80 MPH WINDS.

VEHICLE ACCESS GATE

N.T.S. SOURCE: KIMLEY-HORN



STOP BAR MARKING

TRAFFIC LANE DIRECTIONAL ARROW

PAVEMENT MARKINGS

N.T.S. SOURCE: KHA

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK DANIEL LO FRISO No. 090051 LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

CIVIL DETAILS

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-8.1

Saved Friday, January 23, 2026 10:23:36 AM TRENT.SUDDETH Plotted Thursday, January 29, 2026 12:32:24 PM Chan, Kitty
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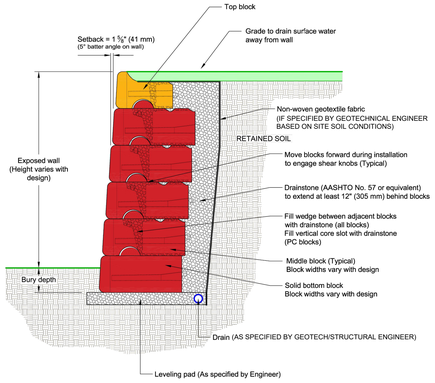
k:\whp_civil\112578002_lga-4_orangeburg,ny\7. civil\2. cad\plansheets\C-8.0 SITE DETAILS.dwg

Typical Gravity Wall Section



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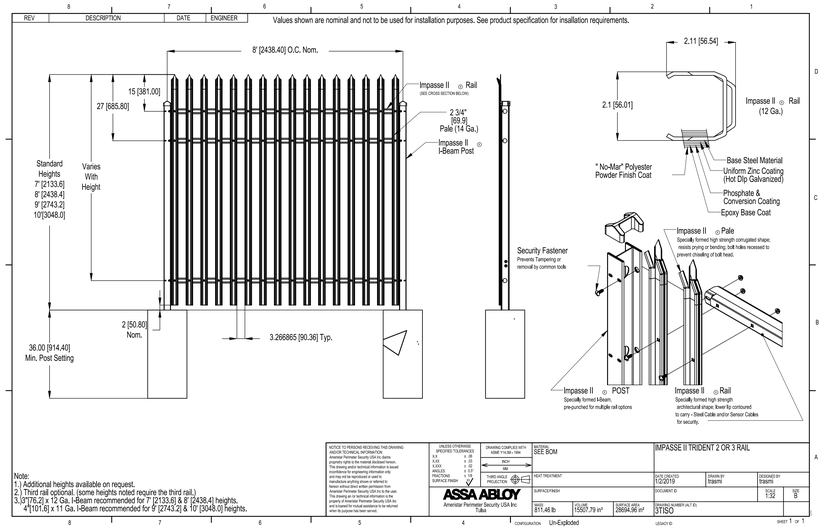
TYPICAL GRAVITY WALL DETAIL

N.T.S. SOURCE: REDI-ROCK

REV	DESCRIPTION	DATE	ENGINEER

Values shown are nominal and not to be used for installation purposes. See product specification for insallation requirements.



Note:
1.) Additional heights available on request.
2.) Third rail optional. (some heights noted require the third rail.)
3.)[7'[2133.6] x 12 Ga. I-Beam recommended for 7' [2133.6] & 8' [2438.4] heights.
4"[101.6] x 11 Ga. I-Beam recommended for 9' [2743.2] & 10' [3048.0] heights.

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UNLESS OTHERWISE SPECIFIED TOLERANCES
X.X ± .06
X.XX ± .02
X.XXX ± .010
ANGLES ± 1°
FRACTIONS ± 1/32
SURFACE FINISH

DRAWING COMPLIES WITH ASME Y14.5M-1994
INCH
MM

THIRD ANGLE PROJECTION

MATERIAL SEE BOM

HEAT TREATMENT

SURFACE FINISH

ASSA ABLOY
Ameristar Perimeter Security USA Inc
Tulsa

IMPASSE II TRIDENT 2 OR 3 RAIL

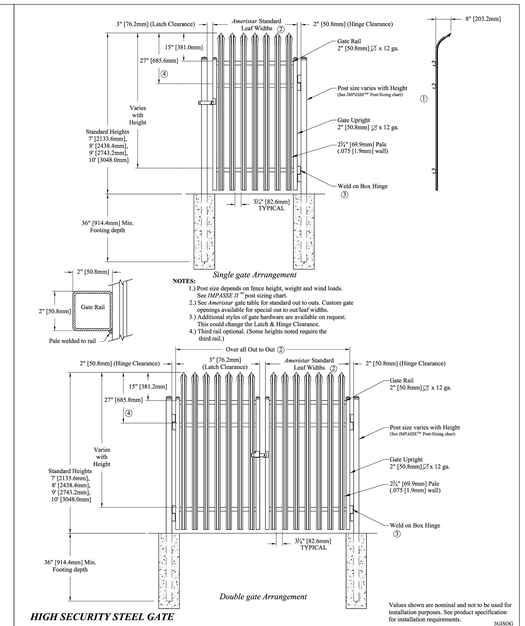
DATE CREATED 1/2/2019
DRAWN BY BWR
DESIGNED BY BWR
DOCUMENT ID 3TISO
REVISION A
SHEET 1 OF 1
WEIGHT 811.46 lb
VOLUME 0.0927.79 in³
SURFACE AREA 28994.96 in²
CONFIGURATION Un-Exploded
LEGACY ID

NOTES:

CONTRACTOR TO INSTALL PER SPECIFICATIONS BELOW:
1. FENCE TO BE 8' IN HEIGHT.
2. FENCE STYLE TO BE GAUNTLET 2-RAIL STYLE WITH STANDARD 3.25" AIR GAP.
3. FENCE SWING GATES TO BE 8' IN HEIGHT WITH GAUNTLET TOP, 2 RAILS, DOUBLE GATES, AND STANDARD 3.25" AIR GAP.
4. REFER TO AMERISTAR PERIMETER SECURITY USA INC IMPASSE II - HIGH SECURITY STEEL FENCE SYSTEM - ORNAMENTAL PALE CONSTRUCTION SPECIFICATION - SECTION 323119 FOR ADDITIONAL INFORMATION.

8' HIGH ORNAMENTAL SECURITY FENCE

N.T.S. SOURCE: AMERISTAR FENCE



NOTES:
1.) Post size depends on fence height, weight and wind loads. See IMPASSE II™ post sizing chart.
2.) See Ameristar gate table for standard out to outs. Custom gate openings available for special out to out/leaf widths.
3.) Additional styles of gate hardware are available on request. This could change the Latch & Hinge Clearance.
4.) Third rail optional. (Some heights noted require the third rail.)

HIGH SECURITY STEEL GATE

Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

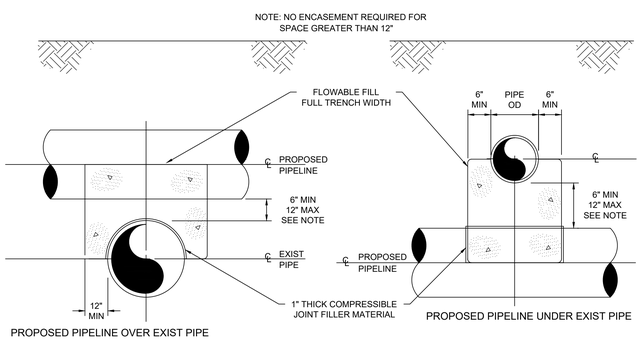
3GISOG

8' HIGH IMPASSE II DOUBLE SWING GATE

N.T.S. SOURCE: AMERISTAR FENCE

NOTES:

CONTRACTOR TO INSTALL PER SPECIFICATIONS BELOW:
1. FENCE TO BE 8' IN HEIGHT.
2. FENCE STYLE TO BE GAUNTLET 2-RAIL STYLE WITH STANDARD 3.25" AIR GAP.
3. FENCE SWING GATES TO BE 8' IN HEIGHT WITH GAUNTLET TOP, 2 RAILS, DOUBLE GATES, AND STANDARD 3.25" AIR GAP.
4. REFER TO AMERISTAR PERIMETER SECURITY USA INC IMPASSE II - HIGH SECURITY STEEL FENCE SYSTEM - ORNAMENTAL PALE CONSTRUCTION SPECIFICATION - SECTION 323119 FOR ADDITIONAL INFORMATION.



TYPICAL PIPELINE CROSSING

N.T.S. SOURCE: KIMLEY-HORN

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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

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STATE OF NEW YORK DANIEL LO FRISCO 090067 LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT 112578002
DATE 06/12/2024
SCALE: AS SHOWN
DESIGNED BY: TAS
DRAWN BY: KC
CHECKED BY: DL

CIVIL DETAILS

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-8.2

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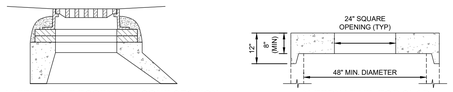
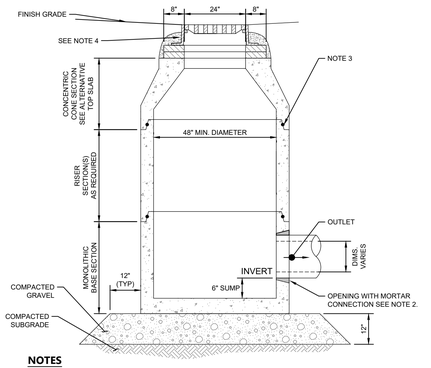


ALTERNATIVE ECCENTRIC CONE SECTION

ALTERNATIVE TOP SLAB



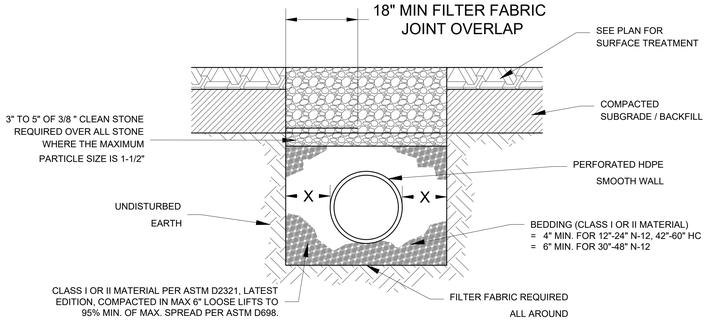
NOTES

1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
2. PROVIDE OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
4. CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).

FIELD INLET (FI)

N.T.S. SOURCE: KIMLEY-HORN

NOMINAL DIAMETER (IN.)	MINIMUM X (FT.)	MINIMUM S (FT.)	MAXIMUM PARTICLE SIZE (IN.)
1'-0"	0'-0 11/16"	0'-1 1/8"	5/8
1'-3"	0'-0 11/16"	0'-1 1/16"	5/8
1'-6"	0'-0 3/4"	0'-1 3/16"	1 1/2
2'-0"	0'-0 13/16"	0'-1 9/16"	1 1/2
2'-6"	0'-1 1/2"	0'-2 1/4"	1 1/2
3'-0"	0'-1 1/2"	0'-2 1/16"	1 1/2
3'-6"	0'-1 1/2"	0'-2 1/8"	1 1/2
4'-0"	0'-1 1/2"	0'-2 1/8"	1 1/2
5'-0"	0'-1 1/2"	0'-2 7/8"	1 1/2

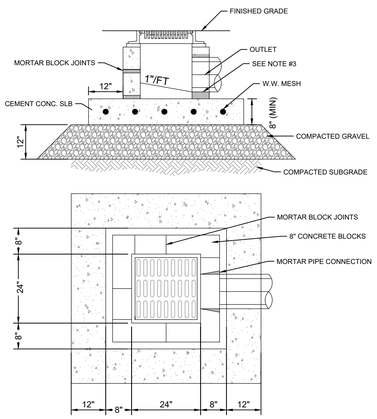


NOTES:
1. ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOR MORE DETAILED INFORMATION, SEE ADS TECHNICAL NOTE 2.120, "STORM WATER DETENTION/RETENTION SYSTEM DESIGN".
4. PIPE TO BE HIGH DENSITY POLYETHYLENE CONFORMING TO ASTM D3350, AASHTO M294 TYPES, AND ASTM F2306.

*FOR LIVE LOAD INSTALLATIONS PROVIDE 24" COVER FOR 42"-60" N-12.

PERFORATED HDPE PIPE/FRENCH DRAIN SECTION

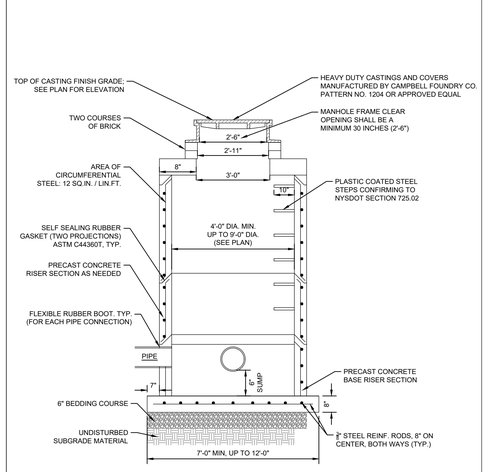
N.T.S. SOURCE: KIMLEY-HORN



NOTES:
1. FRAMES AND GRATE SHALL BE SET IN FULL BED OF MORTAR. ADJUST TO GRADE WITH CLAY BRICKS AND MORTAR AS REQUIRED.
2. CONSTRUCTION MATERIAL FOR STRUCTURE TO CONSIST OF SOLID CONCRETE BLOCK SET IN MORTAR OR PRECAST CONCRETE DESIGNED FOR H-20 LOADING.
3. PROVE "V" OPENINGS FOR PIPES WITH 2" CLEARANCE TO OUTSIDE OF PIPE (IF PRECAST). MORTAR ALL PIPE CONNECTIONS
4. MORTAR ALL JOINTS

SHALLOW INLET

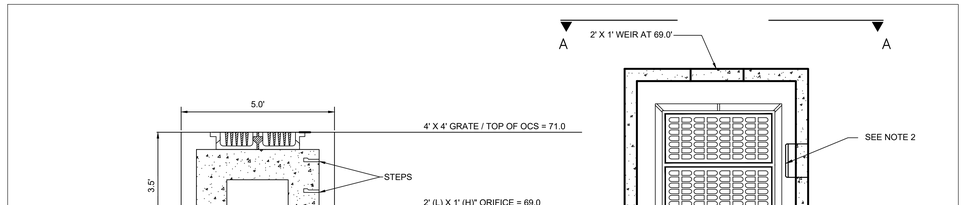
N.T.S. SOURCE: KIMLEY-HORN



NOTES:
1. ALL STRUCTURES AND CASTINGS TO SUPPORT H-20 LOADING.
2. CONTRACTOR SHALL SUBMIT SITE-SPECIFIC FABRICATION SHOP DRAWINGS FOR APPROVAL.
3. AS MANUFACTURED BY OLD CASTLE OR APPROVED EQUAL

STORM DRAINAGE PRECAST MANHOLE

N.T.S. SOURCE: KIMLEY-HORN



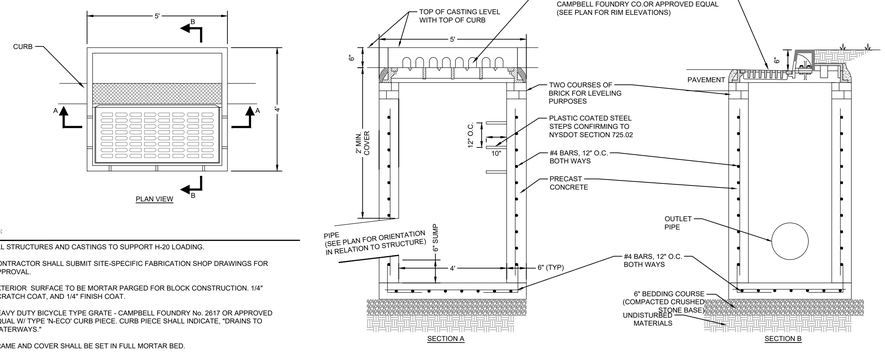
FRONT VIEW

TOP VIEW

Notes:
1. COPOLYMER STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
2. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
3. OUTLET PIPES ARE SHOWN ON THE SECTION AA - FRONT VIEW FOR CLARITY. ALL OUTLET PIPES WILL BE ON THE BACK SIDE OF THE OCS STRUCTURE.

OUTLET CONTROL STRUCTURE (OCS-124) - I-2 INFILTRATION BASIN #1

N.T.S. SOURCE: KIMLEY-HORN



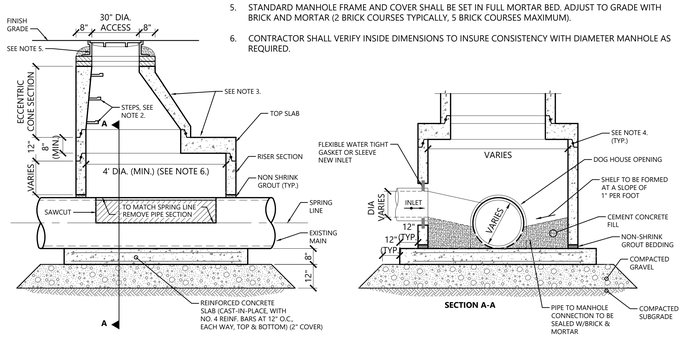
NOTES:
1. ALL STRUCTURES AND CASTINGS TO SUPPORT H-20 LOADING.
2. CONTRACTOR SHALL SUBMIT SITE-SPECIFIC FABRICATION SHOP DRAWINGS FOR APPROVAL.
3. EXTERIOR SURFACE TO BE MORTAR PARGED FOR BLOCK CONSTRUCTION. 1/4" SCRATCH COAT, AND 1/4" FINISH COAT.
4. HEAVY DUTY BICYCLE TYPE GRATE - CAMPBELL FOUNDRY No. 2617 OR APPROVED EQUAL W/ TYPE 'N-ECO' CURB PIECE. CURB PIECE SHALL INDICATE, "DRAINS TO WATERWAYS."
5. FRAME AND COVER SHALL BE SET IN FULL MORTAR BED.
6. MORTAR ALL PIPE CONNECTIONS.
7. CONTRACTOR SHALL SUBMIT SITE-SPECIFIC FABRICATION SHOP DRAWINGS FOR APPROVAL.
8. AS MANUFACTURED BY OLD CASTLE OR APPROVED EQUAL.

CATCH BASIN CURB TYPE (CB), TYPE 1

N.T.S. SOURCE: KIMLEY-HORN

NOTES

1. STRUCTURE SHALL BE DESIGNED FOR HS-20 LOADING.
2. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
3. ALL EXTERIOR SURFACES SHALL BE GIVEN TWO BOATS OF BITUMINOUS WATERPROOFING MATERIAL.
4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
5. STANDARD MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).
6. CONTRACTOR SHALL VERIFY INSIDE DIMENSIONS TO INSURE CONSISTENCY WITH DIAMETER MANHOLE AS REQUIRED.



DOGHOUSE MANHOLE

N.T.S. SOURCE: KIMLEY-HORN

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

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New York
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WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK
DANIEL LO FRISCO
No. 099051
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

CIVIL DETAILS

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
C-8.3

Saved Friday, January 23, 2026 10:23:36 AM TRENT.SUDDETH Plotted Thursday, January 29, 2026 12:32:30 PM Chen, Kitty
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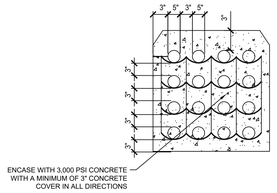
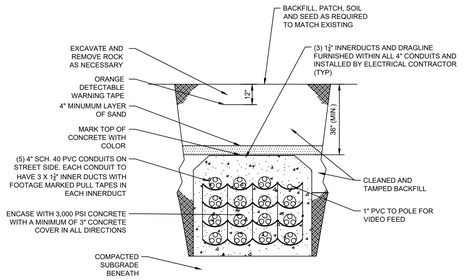


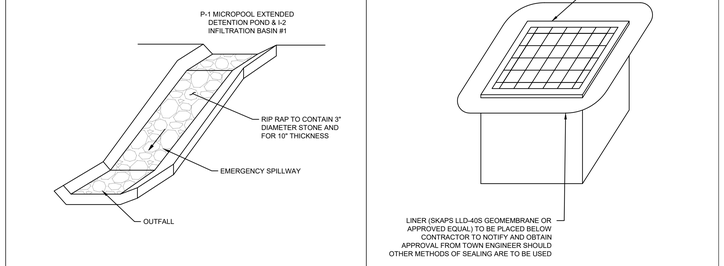
TYPICAL DUCTBANK CONDUIT SPACING

N.T.S. SOURCE: KIMLEY-HORN



DUCTBANK TRENCH DETAIL

N.T.S. SOURCE: KIMLEY-HORN



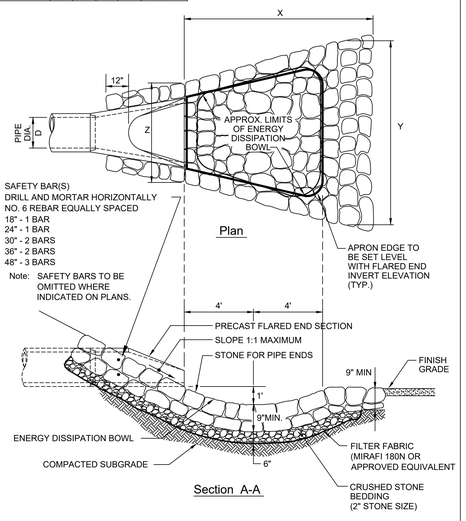
EMERGENCY SPILLWAY RIP RAP

N.T.S. SOURCE: KIMLEY-HORN

LINER FOR SEALING CATCH BASINS

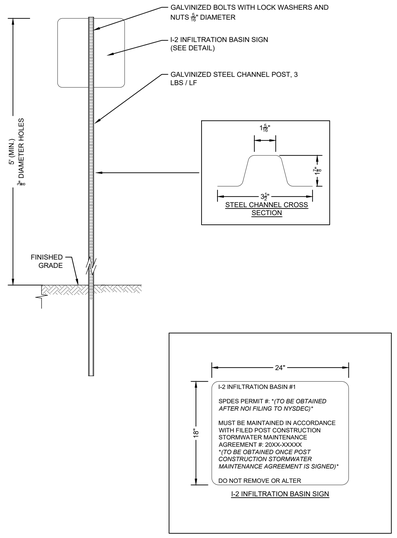
N.T.S. SOURCE: KIMLEY-HORN

FES NO.	D	X	Y	Z	STONE DIA. (D_{50})
OUTLET #112	30"	15'	18'	6.5'	9"
OUTLET #113	24"	8'	10'	6'	9"
OUTFALL #125	24"	11'	13'	6'	9"



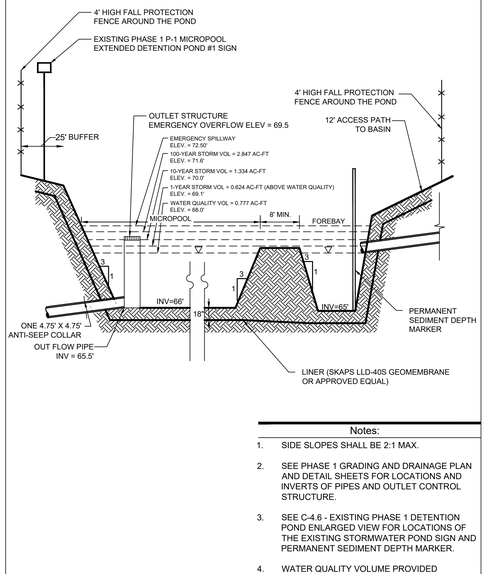
FLARED END SECTION WITH STONE PROTECTION

N.T.S. SOURCE: KIMLEY-HORN



I-2 INFILTRATION BASIN #1 SIGN

N.T.S. SOURCE: KIMLEY-HORN

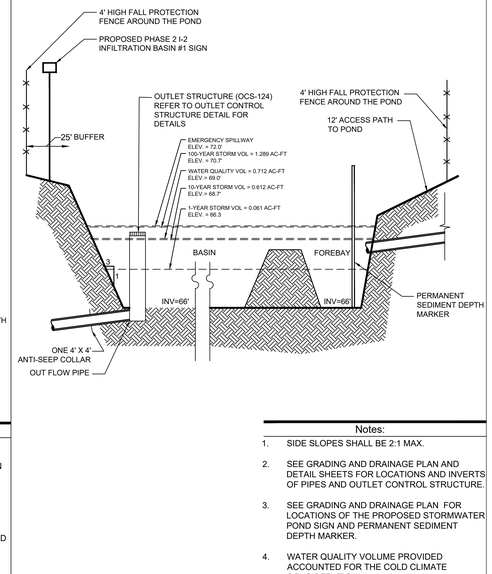


Notes:

1. SIDE SLOPES SHALL BE 2:1 MAX.
2. SEE PHASE 1 GRADING AND DRAINAGE PLAN AND DETAIL SHEETS FOR LOCATIONS AND INVERTS OF PIPES AND OUTLET CONTROL STRUCTURE.
3. SEE C-4.6 - EXISTING PHASE 1 DETENTION POND ENLARGED VIEW FOR LOCATIONS OF THE EXISTING STORMWATER POND SIGN AND PERMANENT SEDIMENT DEPTH MARKER.
4. WATER QUALITY VOLUME PROVIDED ACCOUNTED FOR THE COLD CLIMATE CONSIDERATION.
5. SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ELEVATION REACHES 67'.

EXISTING PHASE 1 P-1 MICROPOOL EXTENDED DETENTION POND #1 CROSS SECTION

N.T.S. SOURCE: KIMLEY-HORN



Notes:

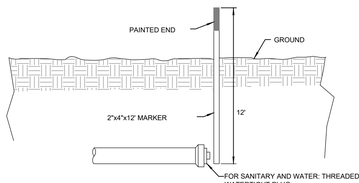
1. SIDE SLOPES SHALL BE 2:1 MAX.
2. SEE GRADING AND DRAINAGE PLAN AND DETAIL SHEETS FOR LOCATIONS AND INVERTS OF PIPES AND OUTLET CONTROL STRUCTURE.
3. SEE GRADING AND DRAINAGE PLAN FOR LOCATIONS OF THE PROPOSED STORMWATER POND SIGN AND PERMANENT SEDIMENT DEPTH MARKER.
4. WATER QUALITY VOLUME PROVIDED ACCOUNTED FOR THE COLD CLIMATE CONSIDERATION.
5. SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ELEVATION REACHES 67'.

PHASE 2 I-2 INFILTRATION BASIN #1 CROSS SECTION

N.T.S. SOURCE: KIMLEY-HORN

NOTES:

1. THE END OF ALL LATERALS SHALL BE PLUGGED WATERTIGHT AND MARKED BY A TWELVE (12) FOOT LONG 2X4 PIECE OF LUMBER. THE LENGTH SHALL BE EXACT SO THAT THE DEPTH OF THE LATERAL CAN BE DETERMINED BY THE LENGTH OF THE 2X4 PROTRUDING FROM THE SURFACE. SANITARY SERVICE SHALL HAVE GREEN PAINT, WATER BLUE PAINT, STORM RED PAINT ON THE END OF THE 2X4, AND "SAN, WATER, OR STM" STENCILED IN 2.5" LETTERS. THE 2X4 SHALL BE EVEN WITH THE INVERT AND PLUMB.
2. PIPES THAT ARE CAPPED SHALL REMAIN CAPPED UPSTREAM UNTIL FUTURE CONNECTION (TO THE BUILDING OR FUTURE PHASES) IS ESTABLISHED.



FOR SANITARY AND WATER: THREADED OR INFLATABLE WATERTIGHT PLUG

FOR ALL STORM (INCLUDING STUB OUTS FOR FUTURE BUILDING ROOF LEADER CONNECTION): PLACE AND SEAL A 1-INCH THICK SHEET OF PLYWOOD, CUT APPROXIMATELY TO COVER THE END OF THE PIPE AND SEAL PLYWOOD WITH MORTAR OR OTHER APPROVED METHOD.

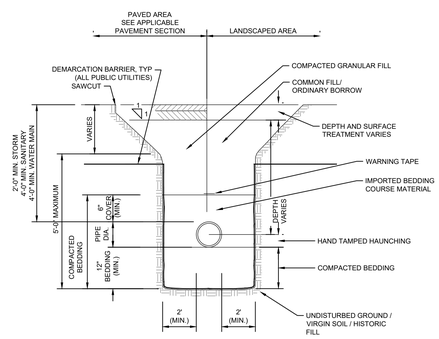
UTILITY STUB MARKER DETAIL

ELECTRIC, GAS, AND TELECOM: PER UTILITY REQUIREMENTS.

NOT TO SCALE

CAPPING OF EXISTING & FUTURE UTILITY AND STUB MARKER

N.T.S. SOURCE: KIMLEY-HORN



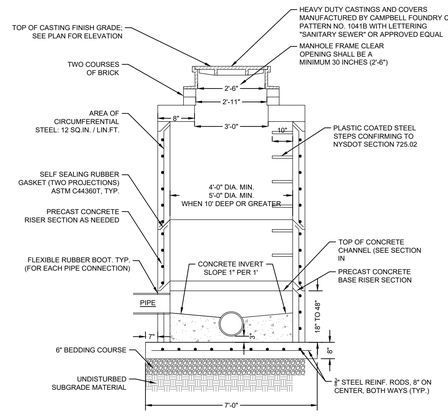
NOTES

1. WHERE UTILITY TRENCHES ARE CONSTRUCTED THROUGH DETENTION BASIN BERMS OR OTHER SUCH SPECIAL SECTIONS, PLACE TRENCH BACKFILL WITH MATERIALS SIMILAR TO THE SPECIAL SECTION REQUIREMENTS.
2. USE METALLIC TRACING/WARNING TAPE OVER ALL PIPES.
3. BACKFILL TO 95% RELATIVE MATERIAL COMPACTED DRY DENSITY AT OPTIMUM MOISTURE UNDER PAVED AND STRUCTURAL AREAS AND 90% UNDER LANDSCAPED AREAS.
4. BACKFILL WITH 90 PSI FLOWABLE CONCRETE IN VILLAGE R.O.W. (EXISTING PAVEMENT AREAS ONLY).
5. WHEN PIPES ARE TO BE INSTALLED IN FILL SECTIONS, THE CONTRACTOR SHALL INSTALL CRUSHED STONE, GRAVEL OR APPROVED STRUCTURAL FILL.

FOR 48" HDPE PIPE AND SMALLER MINIMAL GRAVEL DEPTH FROM THE TOP OF THE PIPE TO BOTTOM OF BITUMINOUS IS 12 INCHES.

UTLITY TRENCH DETAIL (STORM / SANITARY / WATER)

N.T.S. SOURCE: KIMLEY-HORN

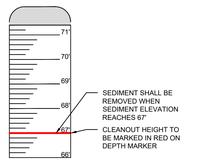


NOTES:

1. ALL STRUCTURES AND CASTINGS TO SUPPORT H-20 LOADING.
2. CONTRACTOR SHALL SUBMIT SITE-SPECIFIC FABRICATION SHOP DRAWINGS FOR APPROVAL.
3. AS MANUFACTURED BY OLD CASTLE OR APPROVED EQUAL

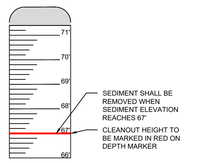
SANITARY SEWER MANHOLE

N.T.S. SOURCE: KIMLEY-HORN



SEDIMENT DEPTH MARKER: I-2 INFILTRATION BASIN #1 MAIN POOL

N.T.S. SOURCE: KIMLEY-HORN



SEDIMENT DEPTH MARKER: I-2 INFILTRATION BASIN #1 FOREBAY

N.T.S. SOURCE: KIMLEY-HORN

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn
New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK DANIEL LO FRISO No. 090057 LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT 112578002			
DATE	06/12/2024		
SCALE:	AS SHOWN	DESIGNED BY:	TAS
		DRAWN BY:	KC
		CHECKED BY:	DL

CIVIL DETAILS

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN
NEW YORK

SHEET NUMBER
C-8.4

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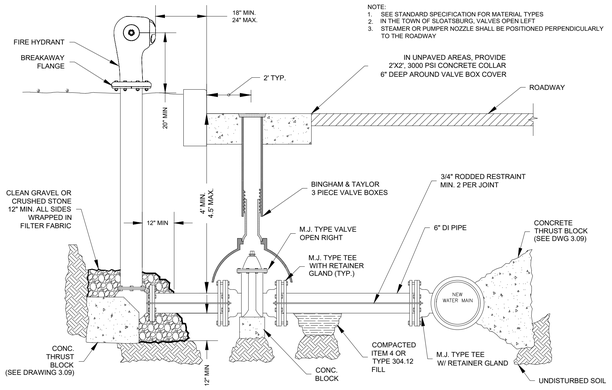
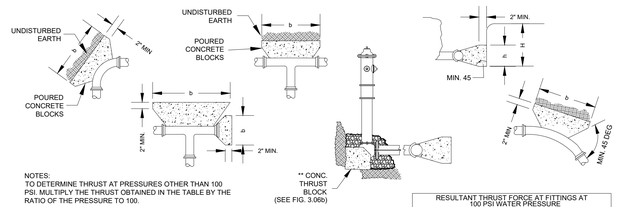


NOTE:
1. SEE STANDARD SPECIFICATION FOR MATERIAL TYPES
2. IN THE TOWN OF SLOATSBURG, VALVES OPEN LEFT
3. STEAMER OR PUMPER NOZZLE SHALL BE POSITIONED PERPENDICULARLY TO THE ROADWAY

3.06 FIRE HYDRANT INSTALLATION DETAIL (NEW MAIN)

N.T.S. SOURCE: VEOLIA WATER



NOTES:
TO DETERMINE THRUST AT PRESSURES OTHER THAN 100 PSI, MULTIPLY THE THRUST OBTAINED IN THE TABLE BY THE RATIO OF THE PRESSURE TO 100.

BEARING AREA (SF) = THRUST FORCE AT FITTING (LB.S) / BEARING CAPACITY OF UNDISTURBED SOIL (LB.S/S.F)

GRAVITY BLOCK SIZE (C.F.) = THRUST FORCE AT FITTING (LB.S) / CONCRETE DENSITY 145 (LB.S/C.F)

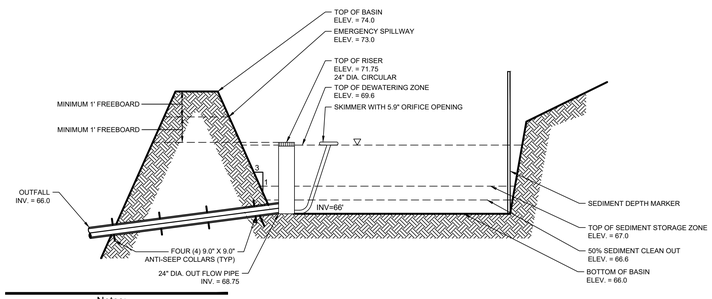
NOTES:
PLACE 6 MIL. POLYETHYLENE BETWEEN CONCRETE AND FITTING (CONCRETE SHALL NOT INTERFERE WITH JOINT.)
MINIMUM CONCRETE THICKNESS SHALL BE 12 INCHES.
THE HORIZONTAL DIMENSION (b) OF THE BEARING AREA SHALL BE BETWEEN 1.0 AND 2.0 TIMES THE VERTICAL DIMENSION (h). (h =< b =< 2h)
THE VERTICAL DIMENSION (H) OF THE BEARING AREA SHALL BE EQUAL TO ONE-HALF. THE TOTAL DEPTH (H)TO THE BOTTOM OF THE THRUST BLOCK BUT NOT LESS THAN THE OUTSIDE DIAMETER (Do) OF THE FITTING (Do =< h =< H/2).
THRUST BLOCK ORIENTATION SHALL BE SUCH THAT THE CENTER OF FITTING CORRESPONDS WITH THE CENTER OF THE THRUST BLOCK.
THE MINIMUM ALLOWABLE ANGLE (EITHER VERTICAL OR HORIZONTAL) SHALL BE 45 DEGREES.

RESULTANT THRUST FORCE AT FITTINGS AT 100 PSI WATER PRESSURE

NOM. PIPE DIA. (IN.)	DEAD END	90 BEND45° BEND	22 1/2° BEND	11 1/4° BEND
3	1,232	1,742	943	481	241
4	1,810	2,569	1,385	706	355
*6	3,739	5,288	2,862	1,459	733
8	6,433	9,097	4,923	2,510	1,261
10	9,677	13,685	7,406	3,776	1,897
12	13,685	19,353	10,474	5,340	2,683
14	18,385	26,001	14,072	7,174	3,604
16	23,779	33,628	18,199	9,278	4,661
18	29,865	42,235	22,858	11,653	5,855
20	36,644	51,822	28,046	14,298	7,183
24	52,279	73,934	40,013	20,398	10,249
30	80,425	113,738	61,554	31,380	15,766
36	115,209	162,931	88,177	44,952	22,585
42	155,528	219,950	119,036	60,684	30,489
48	202,683	280,637	155,127	79,083	39,733
54	260,214	367,999	199,160	101,531	51,011
60	298,121	42,606	228,172	116,321	58,442
64	338,707	479,004	259,235	132,157	66,386

3.09 TYPICAL THRUST BLOCKING

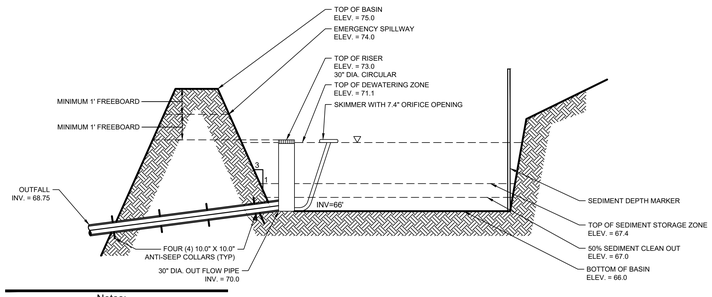
N.T.S. SOURCE: VEOLIA WATER



PHASE 2 TEMPORARY SEDIMENT BASIN #1

N.T.S. SOURCE: KIMLEY-HORN

Notes:
1. SIDE SLOPES SHALL BE 2:1 MAX.
2. SEE GRADING AND DRAINAGE PLAN AND DETAIL SHEETS FOR LOCATIONS AND INVERTS OF PIPES AND RISER.
3. SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ELEVATION REACHES 50% OF SEDIMENT STORAGE ZONE DEPTH.



Notes:
1. SIDE SLOPES SHALL BE 2:1 MAX.
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3. SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ELEVATION REACHES 50% OF SEDIMENT STORAGE ZONE DEPTH.

NOTE:
1. SEE STANDARD SPECIFICATION FOR MATERIAL TYPES
2. IN THE TOWN OF SLOATSBURG, VALVES OPEN LEFT

3.08 IN-LINE GATE VALVE INSTALLATION

N.T.S. SOURCE: VEOLIA WATER

CHART 1 - ESTIMATED BEARING STRENGTH (UNDISTURBED SOIL)	
TYPE OF SOIL	ALLOWABLE SOIL BEARING CAPACITY
MUCK, PETE, ETC.	0 LB. / FT. SQ.
SOFT CLAY	500 LB. / FT. SQ.
FINE SAND	1,000 LB. / FT. SQ.
DECOMPOSED GRANITE (D.G.)	1,500 LB. / FT. SQ.
SANDY GRAVEL	2,000 LB. / FT. SQ.
CEMENTED SANDY GRAVEL	4,000 LB. / FT. SQ.
HARD SHALE	5,000 LB. / FT. SQ.
GRANITE	10,000 LB. / FT. SQ.

NOTE:
1. IN MUCK, PEAT OR OTHER INCOMPETENT SOILS, RESISTANCE SHALL BE ACHIEVED BY REMOVAL AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILITY TO RESIST THE INTENDED THRUSTS. DESIGN OF THRUST RESTRAINT SYSTEMS IN SUCH CASES SHALL BE PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER AND SHALL BE APPROVED BY THE AGENCY ENGINEER.
2. FIRE HYDRANTS THAT DEAD END PIPE RUNS, WILL NEED THRUST BLOCKS. THRUST BLOCKS ARE TO BE DESIGNED BY A NYSPE AND SUBMITTED TO SUEZ UNDER SHOP DRAWING REVIEW PROCESS

3.10 TYPICAL THRUST BLOCKING DESIGN CRITERIA

N.T.S. SOURCE: VEOLIA WATER

PHASE 2 TEMPORARY SEDIMENT BASIN #2

N.T.S. SOURCE: KIMLEY-HORN

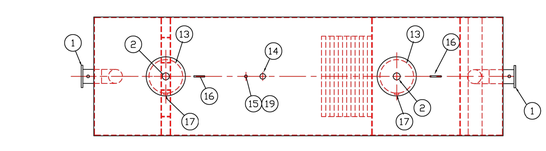
GENERAL SPECIFICATIONS

NO. REQ'D: (1)
CAPACITY: 7000 GALLONS
TYPE: HTC, ABOVEGROUND CYLINDRICAL, SINGLE WALL
MATERIAL: MILD CARBON STEEL
FLOW RATE: 700 GPM
GAUGE:
SHELL= 1/4"
HEADS= 1/4"

SURFACE PREP:
SSPC NO.6 BLAST ALL EXTERIOR SURFACES
SSPC NO.10 BLAST ALL INTERIOR SURFACES

COATING:	MATERIAL	THICKNESS
EXTERIOR–	CHEMPRIME 3001	(3–6 MILS)
	CHEMTHANE 3300 TOP COAT "WHITE"	(2–3 MILS)
INTERIOR–	CHEMLINE 4200 PW	(15 MILS)

CONSTRUCTION :
LAP FIT & WELD ALL EXTERIOR SEAMS
OPERATING PRESSURE : ATMOSPHERIC



PROVIDED EQUIPMENT

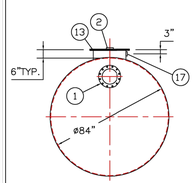
1. 150# R.F.S.O. FLANGE W/ 2" FNPT FOR VENT
2. 4"ø FNPT FOR GAUGE WITH PLUG
3. VELOCITY HEAD DIFFUSION BAFFLE
4. WEAR PLATE
5. SEDIMENT CHAMBER
6. UNDERFLOW BAFFLE
7. SLUDGE BAFFLE
8. STRIKER PLATES
9. PARALLEL, CORRUGATED PLATE COALESCER. CORELLA PVC PLATES (3" PLATE SPACING)
10. OIL/WATER SEPARATOR CHAMBER
11. 8" THICK PETROSCREEN COALESCER MATERIAL INSTALLED W/ PULL ROD SHIPPED LOOSE
12. STEEL OUTLET DOWNCOMER
13. 24"ø MANWAY
14. 4"ø FNPT FOR OIL PUMP-OUT WITH INTERNAL PVC PIPE INSTALLED
15. 2"ø FNPT FOR LEVEL SENSOR
16. LIFTING LUG
17. 2"ø FNPT FOR VENT

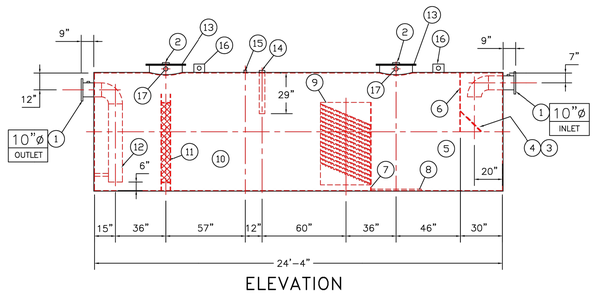
ANCILLARY PROVIDED EQUIPMENT

(2) 24" FIBREFLEX MANWAY GASKETS
(2) SETS OF NUTS/BOLTS/WASHERS FOR 24" MANWAY

NOTES

1. ALL VENT PIPING BY INSTALLER





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HIGHLAND TANK SHALL BE RESPONSIBLE ONLY FOR ITEMS INDICATED ON THIS FABRICATION DRAWING UNLESS OTHERWISE NOTED. CUSTOMER IS RESPONSIBLE FOR VERIFYING CORRECTNESS OF SIZE / LOCATION OF FITTINGS , ACCESSORIES & COATINGS SHOWN ON THIS DRAWING

REVISIONS

Highland Tank
U.S. Patent #4,722,800 Canadian Patent # 1,296,263

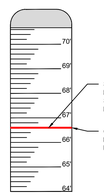
7000 GALLON OIL WATER SEPARATOR
HTC,ABOVEGROUND CYLINDRICAL,SINGLE WALL

CUSTOMER:
PROJECT:
QUOTE NO:
CHK'D BY:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE ± DR – 1"	SCALE: 1/4"=1'-0"	DATE:	DWG. BY:	DWG. NO.: 07000AGCYLSWHTC

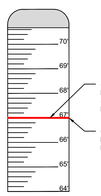
OIL WATER SEPERATOR CUTSHEET

N.T.S. SOURCE: HIGHLAND TANK



SEDIMENT DEPTH MARKER: TEMP SEDIMENT BASIN #1

N.T.S. SOURCE: KIMLEY-HORN



SEDIMENT DEPTH MARKER: TEMP SEDIMENT BASIN #2

N.T.S. SOURCE: KIMLEY-HORN

NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

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New York
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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK DANIEL LO FRISCO No. 099085 LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

CIVIL DETAILS

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN
NEW YORK

SHEET NUMBER
C-8.5

Saved Friday, January 23, 2026 10:23:36 AM TRENT.STUDDETH Plotted Thursday, January 29, 2026 12:32:38 PM Chen, Kitty

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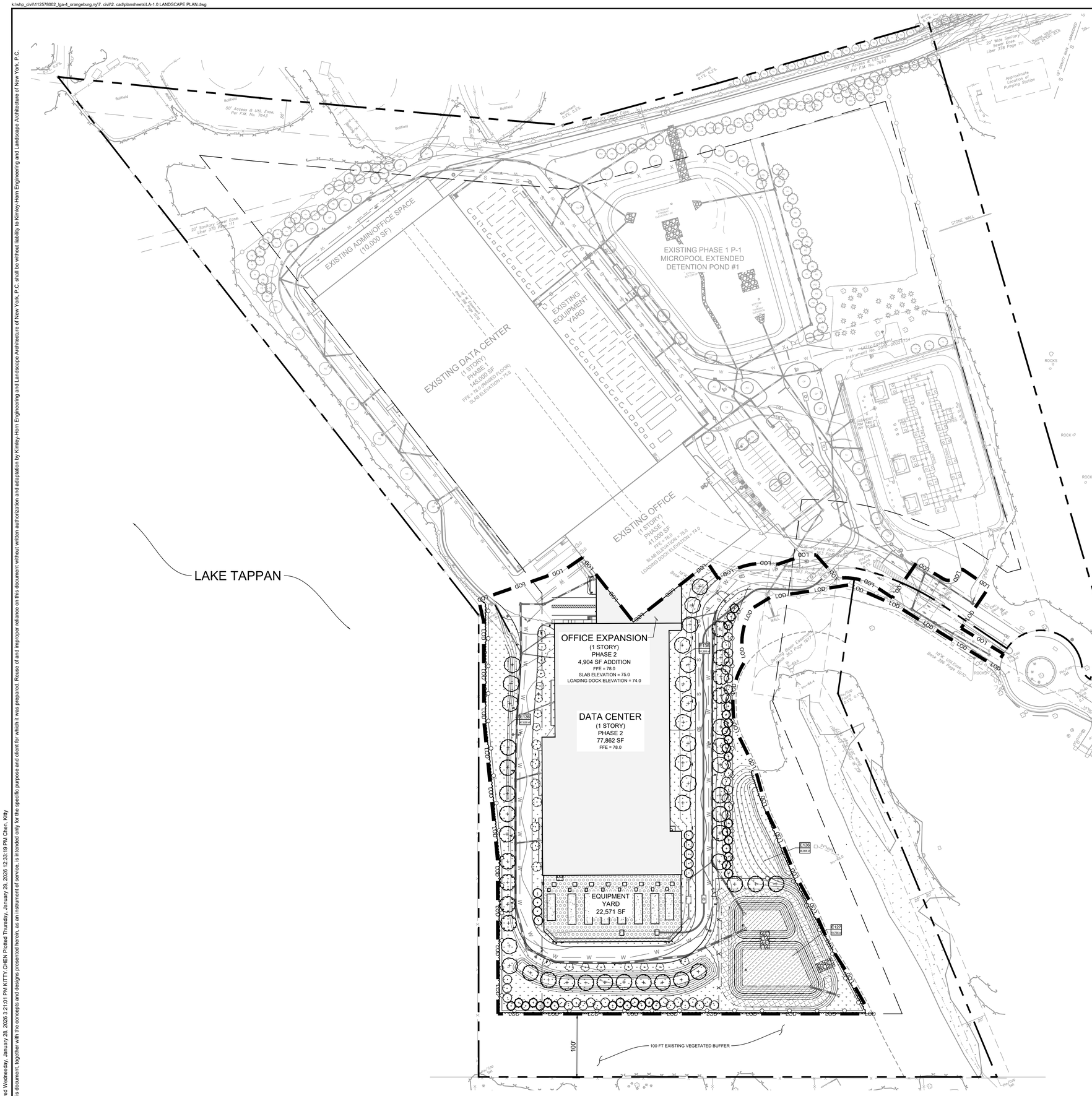

LEGEND	
	PROPERTY LINE
	100' SIDEYARD SETBACK
LOD	TOTAL AREA OF DISTURBANCE (7.56 AC)
	EXISTING WATERCOURSE
	100' NYSDEC WETLAND BUFFER
	BUILDING
	HEAVY DUTY FLEXIBLE BITUMINOUS PAVEMENT
	CONCRETE
	EQUIPMENT YARD (STONE)
	GRAVEL
	8' HIGH BLACK IRON ORNAMENTAL FENCE
	CONCRETE CURB
	CONCRETE FLUSH CURB
	2' WIDE RETAINING WALL
	EXTENTS OF INFILTRATION BASIN
	MODIFIED EXISTING TREE LINE

GENERAL NOTES

1. THE MAXIMUM SOIL EXPOSURE LIMIT IS 7 DAYS.

PLANT KEY

SYMBOL	COMMON NAME
DECIDUOUS TREES	
	American Linden
	Pin Oak
	Sour Gum
EVERGREEN TREES	
	Atlantic White Cypress
	Green Giant Arborvitae
	White Spruce
ORNAMENTAL TREES	
	`Winter King` Hawthorn
	Eastern Redbud
GROUND COVERS	
	RETENTION BASIN WILDLIFE MIX
	TALL FESCUE MIX

GRAPHIC SCALE IN FEET
0 30 60 120

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1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

REGISTERED LANDSCAPE ARCHITECT — JOSEPH E. RIZZO — 002653 — STATE OF NEW YORK

01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

OVERALL LANDSCAPE PLAN

DATABANK ORANGEBURG PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
LA-1.0

Saved Wednesday, January 28, 2026 3:21:01 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:33:19 PM Chen, Kitty

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OFFICE EXPANSION
(1 STORY)
PHASE 2
4,904 SF ADDITION
FFE = 78.0
SLAB ELEVATION = 75.0
LOADING DOCK ELEVATION = 74.0

DATA CENTER
(1 STORY)
PHASE 2
77,862 SF
FFE = 78.0

EQUIPMENT YARD
22,571 SF

E136 — 47,836 sf
E136 — 31,393 sf
E136 — 36,906 sf
E127 — 19,735 sf

QP 12 · CC 8 · QP 3 · NS 2 · CV 4 · NS 3 · CV 3 · TA 4 · CT 4 · QP 2 · NS 10 · CC 8 · PG 3 · TD 7 · PG 7 · TD 7 · PG 8 · TD 3 · TA 1 · PG 8 · TA 3 · TD 7 · QP 3 · PG 7 · NS 3 · CT 5 · QP 1 · NS 3 · TD 7 · TD 7 · PG 7 · TD 7 · PG 8

100'

100 FT EXISTING VEGETATED BUFFER

LEGEND

- PROPERTY LINE
- 100' SIDEYARD SETBACK
- LOD — TOTAL AREA OF DISTURBANCE (7.56 AC)
- EXISTING WATERCOURSE
- 100' NYSDEC WETLAND BUFFER
- BUILDING
- HEAVY DUTY FLEXIBLE BITUMINOUS PAVEMENT
- CONCRETE
- EQUIPMENT YARD (STONE)
- GRAVEL
- 8' HIGH BLACK IRON ORNAMENTAL FENCE
- CONCRETE CURB
- CONCRETE FLUSH CURB
- 2' WIDE RETAINING WALL
- EXTENTS OF INFILTRATION BASIN
- MODIFIED EXISTING TREE LINE

GENERAL NOTES

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	Eastern Redbud
GROUND COVERS	
	RETENTION BASIN WILDLIFE MIX
	TALL FESCUE MIX

GRAPHIC SCALE IN FEET
0 15 30 60

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WHITE PLAINS, NY 10601
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DATABANK

REGISTERED LANDSCAPE ARCHITECT — MICHAEL JOSEPH BRUNO — 002653 — STATE OF NEW YORK
01/30/2026

KHA PROJECT 112578002
DATE 06/12/2024
SCALE: AS SHOWN
DESIGNED BY: TAS
DRAWN BY: KC
CHECKED BY: DL

PARTIAL LANDSCAPE PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN
NEW YORK

SHEET NUMBER
LA-1.1

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PERFORMANCE SPECIFICATION

I. PLANTS

A. General
1. Live healthy plants free of dead branches and parts
2. Free of disease, insect, injury and damage
3. Unbroken, intact, dense and solid rootballs and containers, without cracks, flat sides or previously repaired damage.
4. Free of girdling roots or rootbound/circling container conditions
5. Plants of consistent in growth habit and healthy character
6. Free of compromising growth conditions such as weak crotch connections, crossed branches, snags and scars
7. Point of origin growing location within 100 miles of project site
8. Graded, standards, caliper, sizes and stock consistent with *ANSI Z60.1, American Standard for Nursery Stock* most current edition
9. Species identified consistent with the most current editions of: *Hortus Third: Concise Dictionary of Plants Cultivated in the United States and Canada*, and *Manual of Woody Plants: Their Identification, Ornamental Characteristics, Culture, Propagation and Uses*
10. All disturbed areas shall be grass seed unless otherwise identified on landscape plans

B. Trees:
1. **Deciduous Single Trunk**
   a. Full, straight and upright with consistent symmetrical natural branching pattern throughout
   b. Branching Height-seven (7) feet to lowest branch in two years unless otherwise required by local jurisdiction
2. **Deciduous Multi-Trunk**
   a. Full and upright with straight consistent symmetrical natural branching pattern throughout
   b. Canes evenly spaced and of similar growth habit
   c. Free of suckers and extraneous branching
3. **Evergreen Single-Trunk**
   a. Full and upright with continuous symmetrical dense natural habit
   b. Clear branching height twelve (12) inches above top of rootball
   c. Free of suckers and extraneous branching
   d. Do not shear or otherwise prune to shape plantings

C. Evergreen and Deciduous Shrubs
1. Full, dense and naturally symmetrical.
2. Consistent with container and/or balled and burlapped size
3. Free of suckers and extraneous branching
4. Do not shear or otherwise prune or shape plantings

D. Evergreen and Deciduous Groundcover
1. Full and dense in pots or flats

E. Perennials and Seasonal Color
1. Full and dense in pots or flats

F. Turf Grass
1. **Subgrade**
   a. Soil Mix-10% Compost, 90% topsoil by volume
   b. Preparation-loosen subgrade to a minimum depth of four (4) inches. Remove all non-natural materials including litter, stones, sticks and all items greater than ¾ inch in any dimension
   c. Preparation-spread soil mix at a depth of four (4) inches continuously to meet grade elevations shown on drawings. Allow for thickness of sod when applicable
2. **Grass Sod**
   a. Install not longer than twenty-four (24) hours from harvest
   b. Grass bed not less than two (2) inches in continuous thickness
   c. 100% continuous live sod coverage after first growing season and at end of warranty period.
   d. Of uniform non-varying density and continuous texture quality capable of growth and development immediately upon installation. Weed and noxious plant free
   e. Stagger installation rows and place aligned parallel to contours
   f. Fill joints solidly with planting bed preparation soil
   g. Provide anchor pins at twenty-four (24) inches on center for slopes greater than 4:1
3. **Grass Seed**
   a. Mix approved by the Landscape Architect
   b. Provide first and new of year seed crops in mix free of weed seeds and deleterious matter
   c. Provide seed mix not greater than 15% annual or perennial rye
   d. Coverage 85% continuous coverage live stand after first growing season and at end of warranty
   e. Replacement or overseeding mixes consistent with original application/installation
   f. Provide erosion blankets or other slope retention methods as noted on drawings

II. Materials and Appurtenances

A. Testing
1. Materials testing information/certificates/dated labels shall be current to the project and performed/certified not greater than 120 calendar previous days from current date of submittal for review

B. Top Soil
1. Neutral Ph balance 5.5 -7.5. Friable and containing 2.0-5.0% organic matter by dry weight. Continuously free of non-soil items such as stones, debris, sticks, trash, and deleterious matter greater than ¾ inch in any direction. Clay content shall not exceed 25%.Gravel content shall not exceed 10%. Silt shall not exceed 25%

C. Use of Existing Topsoil
1. Existing topsoil on-site may be repurposed with prior Owner approval. Contractor shall provide soil testing and additive program that demonstrates consistent performance and characteristics and composition as identified herein. Owner shall approve soil testing and soil amendment/additive methods and procedures

D. Shredded Hardwood Mulch
1. 100% organic shredded first year hardwood free of deleterious matter, rock, gravel and weed seed. Neutral Ph balance 5.5-7.5

E. Compost Ph
1. Balanced 5.0-8.5 mature, stable and weed free produced by natural aerobic decomposition. Free of visible contaminants and toxic substances. Not greater than 5% sand, silt, clay or rock by dry weight. Consistent with US-EPA CFR Title 40 Part 503 Standards for Class A biosolids

G. Compost Testing
1. Prior to delivery on-site, the following items are required for approval by Owner: Feedstock percentage in final compost product; statement that the products meets federal, state and local health safety requirements
2. Provide copy of lab analysis less than 120 calendar days old verifying that the product meets described physical requirements; chemical contaminants; Ph; physical contaminants; biological contaminants (including a statement that fecal coliform and salmonella testing and results comply with requirements of the US Composting Council Seal of Testing approval programs

H. Planting Mix
1. 85% topsoil and 15% Compost

I. Fertilizer
1. Granular 10% nitrogen, 6% Phosphorous, 4% Potassium granular form with 50% Nitrogen in organic form. Product and Material Safety Data as approved by Owner

J. Herbicide
1. Product and Material Safety Data as approved by Owner

K. Water
1. Potable only unless otherwise approved by Owner

L. Hardwood Stakes
1. 2 x 2 x 48 inch square of sound hardwood, painted flat black on all sides

M. Tree Ties
1. Villa Non-Abrasive Rubber Tree Ties or approved equal

N. Filter Fabric
1. Mirafi 140-N or approved equal

O. Steel Edging
1. 1/8-inch x 4-inch in full sections. Ryerson, Timec or approved equal with integral stakes. No open corners. Corners shall be formed and trued to compliant angle or welded closed

P. River Stone
1. Locally sourced, river rounded, unfaceted river stone/cobbles.
2. Size shall not exceed 3 total inches in any dimension.
3. Color and texture approved by Owner
4. When placed in concrete or mortar setting bed, tamp to secure and brush clear joints.
5. Concrete or mortar as approved by owner.

III. Execution

A. Site Conditions
1. Inspect site and notify Owner in writing of acceptance with indication that project conditions are acceptable are suitable to proceed with work. Notify Owner of any existing damage and/or other conflicting conditions.
2. Do not proceed with work until unsatisfactory conditions have been satisfactorily remedied. Notify Owner of acceptance prior to commencement of work.
3. Notify Owner in writing of any conditions that may preclude successful completion of work including items such as coordination with other trades, incomplete work, drainage, soil temperature and/or composition, access to storage/work areas, damage to conditions, etc.
4. Notify Owner in writing immediately of any items that may influence work schedule, timing of tasks, materials delivery and/or installation and warranty responsibilities.
5. Coordinate and cooperate with other trades working in and adjacent to work areas. Examine drawings of other trades which show development of the entire project and become familiar with the scope of required work by others.

B. Planting Seasons
Recommended seasons are a general guide based on historical climatic data and typical performance of plantings, and which vary dependent on project-specific environmental conditions. Due to construction schedules, recommended planting seasons may/may not coincide with request(s) for certificate of occupancy for projects. Coordination of planting installation and seasons shall be reviewed with Owner on an individual project basis.

1. **Deciduous and Evergreen Trees**

Do not install/plant the following trees between September 15 and March 15
1. Oaks (Quercus Sp., Such as Q. rubra, Q. alba, Q. phellos, Q. coccinnea)
2. Dogwood (Cornus Sp.)
3. Sweetgum (Liquidambar Sp.)
4. All Conifers and Evergreens except White Pine (Pinus strobus Sp.)

2. **Deciduous and Evergreen Shrubs**
   a. Install/plant between March 15 and June 15 and/or September 15 and November 30
3. **Perennials**
   a. Install/plant between March 15 and June 15 and/or September 15 and November 30
4. **Spring Flowering Bulbs**
   a. Install/plant between September 15 and December 15
5. **Seasonal Annuals**
   a. Install/plant in season per approved schedule
6. **Turf Grass**
   a. Install/plant between March 15 and May 15 and/or September 15 and November 30
   b. Do not install/plant seed or sod turf grass areas when ambient air temperature is below forty (40) degrees Fahrenheit, or forecast for a twelve (12) hour period after completion of work
7. **No Plant Installation**
   a. Do not install plantings or turf grass between June 15 and September 15, without approval by Owner

C. Positioning & Location of Plantings
1. Position plants to show the most-prominent and well-formed face to most-public view
2. Field locate plants and location/spacing/dimension of planting beds on project site prior to beginning installation
3. Verify location of individual plants and plant beds prior to beginning installation. Do not proceed without Owner approval

D. Implementation
1. Pursue work continuously without delay or interruption until completion unless notified otherwise by Owner
2. Provide project submittals ahead of commencement of work. Landscape Architect requires a minimum of ten (10) working days from date of receipt for review of submittals and response to Owner and Contractor. Plan accordingly for procurement of materials
3. Continuously update implementation schedule and notify Owner of progress. Delays related to material availability are not cause for non-completion of scheduled delivery of work
4. Report delays due to weather or site conditions immediately upon finding. Provide recommendation for remedy of schedule delays. Do not work, place or modify frozen soil
5. Report delays due to extraordinary natural or other conditions beyond control of Contractor

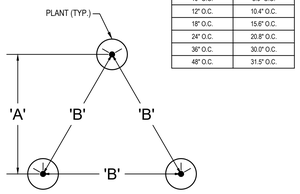
E. Clean Up
1. Remove trash, debris and work materials from site prior to request for substantial completion. Thoroughly clean surfaces impacted by work including building, parking areas, roadways, sidewalks, signs, lights, site furnishings, etc.
2. Repair any damage to existing conditions that occurred during execution of work.
3. All clean-up and demobilization procedures shall be performed to satisfaction of the Owner and Landscape Architect.

GENERAL NOTES

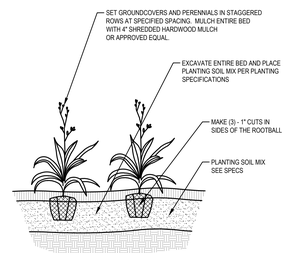
1. Plants shall be healthy, vigorous material, free of pests and diseases and are subject to approval/rejection of the Landscape Architect prior to, during and after installation.
2. Contractor shall identify all materials at growing location prior to purchase and submit digital photographs, and source list to the Landscape Architect for approval at a minimum of six (6) calendar weeks prior to installation. Plants not approved shall be resourced and resubmitted.
3. Planting beds and individual tree plantings shall be mulched continuously as specified.
4. Prior to construction the contractor shall be responsible for locating underground utilities and execute work in a manner that avoids damage to utilities during the course of work. Contractor shall be responsible or remedy of any damage to utilities, structures, site appurtenances that occur as a result of landscape related work.
5. Contractor is responsible for verifying quantities shown on documents. Field adjustments shall be approved by Landscape Architect prior to installation. Quantities indicated on drawings are for reference. It is the Contractor's responsibility to ensure full coverage of plants at the indicated spacing.
6. Contractor is responsible for maintenance of all plantings including, but not limited to watering, mowing, edging, spraying, mulching, fertilizing, of plantings and turf areas for one (1) calendar year from date of certificate of occupancy. Contractor is responsible for warranty of all plant material for a period of one (1) calendar year from date of certificate of occupancy. Warranty replacement planting shall meet or exceed the original specification identified on drawings. Replacement planting shall extend the same warranty as originally installed materials. Plantings and grass areas shall be flourishing and fully thriving at end of warranty period.
7. Plants identified for replacement by Owner, Landscape Architect shall be replaced immediately by the Contractor unless otherwise agreed upon. Plantings (trees, shrubs, groundcover) subject to replacement by warranty shall exhibit characteristics of 30% dead-per individual plant, non-contributing or disease compromised. Grass areas suitable for acceptance shall demonstrate 85% sustained/consistent and continuous, densely established coverage. Contractor shall perform a site review at end of warranty period and provide the Owner with written documentation of the site, including plant health, warranty replacement items, and conditions that may be influencing plant health. Contractor shall remove from plants and site, all staking and guying material at end of warranty period.
8. Contractor shall comply with all local, state and federal requirements, codes and regulations related to the work undertaken.
9. All material including planting operation appurtenances shall be of domestic origin manufacture and sourced within 100 miles of the project site.
   a. 10. Contractor is responsible for coordination among trades operating on site. Coordination and if necessary resulting modifications to schedules are responsibility of the Contractor.

SPACING 'B'	ROW 'A'
8" O.C.	6.9" O.C.
10" O.C.	8.8" O.C.
12" O.C.	10.4" O.C.
18" O.C.	15.6" O.C.
24" O.C.	20.8" O.C.
36" O.C.	30.0" O.C.
48" O.C.	31.5" O.C.

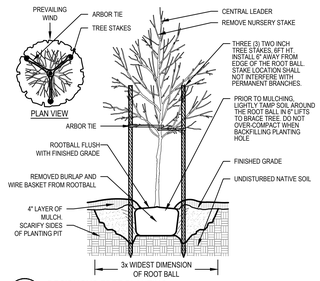
NOTE: GROUNDCOVERS AND PERENNIALS TO BE INSTALLED WITH TRIANGULAR SPACING



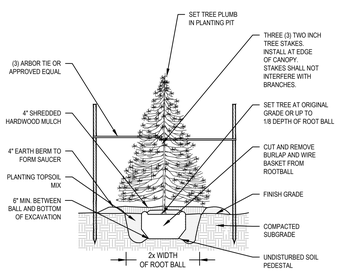
1 GROUNDCOVER SPACING
NOT TO SCALE



2 GROUNDCOVER PLANTING
NOT TO SCALE

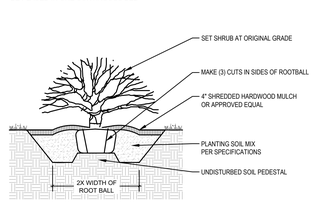


3 DECIDUOUS TREE PLANTING
NOT TO SCALE

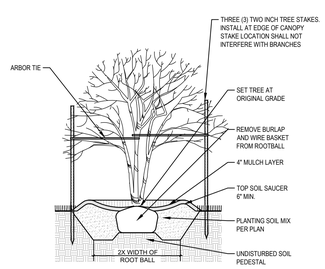


4 EVERGREEN TREE PLANTING
NOT TO SCALE

NOTE: SHRUBS INSTALLED IN CONTINUOUS SUCCESSION SHALL BE PLACED IN ONE CONTINUOUS BED



5 SHRUB PLANTING
NOT TO SCALE



6 MULTI TRUNK TREE PLANTING
NOT TO SCALE

PLANT SCHEDULE PHASE 2

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE AT PLANTING	ROOT
DECIDUOUS TREES						
	NS	21	Nyssa sylvatica	Sour Gum	3" Cal.	B&B
	QP	21	Quercus palustris	Pin Oak	3" Cal.	B&B
	TA	8	Tilia americana	American Linden	3" Cal.	B&B
EVERGREEN TREES						
	CT	9	Chamaecyparis thyoides	Atlantic White Cypress	8` Ht.	B&B
	PG	33	Picea glauca	White Spruce	8` Ht.	B&B
	TD	31	Thuja occidentalis `Green Giant`	Green Giant Arborvitae	6` Ht.	B&B
ORNAMENTAL TREES						
	CC	16	Cercis canadensis	Eastern Redbud	8` - 10` Ht.	B&B
	CV	7	Crataegus viridis `Winter King`	`Winter King` Hawthorn	8` - 10` Ht.	B&B

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE / TYPE	QTY / RATE
GROUND COVERS						
	E127	19,735 sf	ERNST SEED MIX 127	RETENTION BASIN WILDLIFE MIX	SEED	1 LB PER 1000 SF
	E136	116,135 sf	ERNST SEED MIX 136	TALL FESCUE MIX	SEED	1 LB PER 1000 SF

NO.	DESCRIPTION	DATE
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2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

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New York
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WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

REGISTERED LANDSCAPE ARCHITECT
MICHAEL JOSEPH BENEDICT
012653
STATE OF NEW YORK
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

LANDSCAPE NOTES AND DETAILS

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
LA-1.2

Saved Wednesday, January 28, 2026 3:21:01 PM KITTY.CHEN Plotted Thursday, January 29, 2026 12:33:25 PM Chen, Kitty
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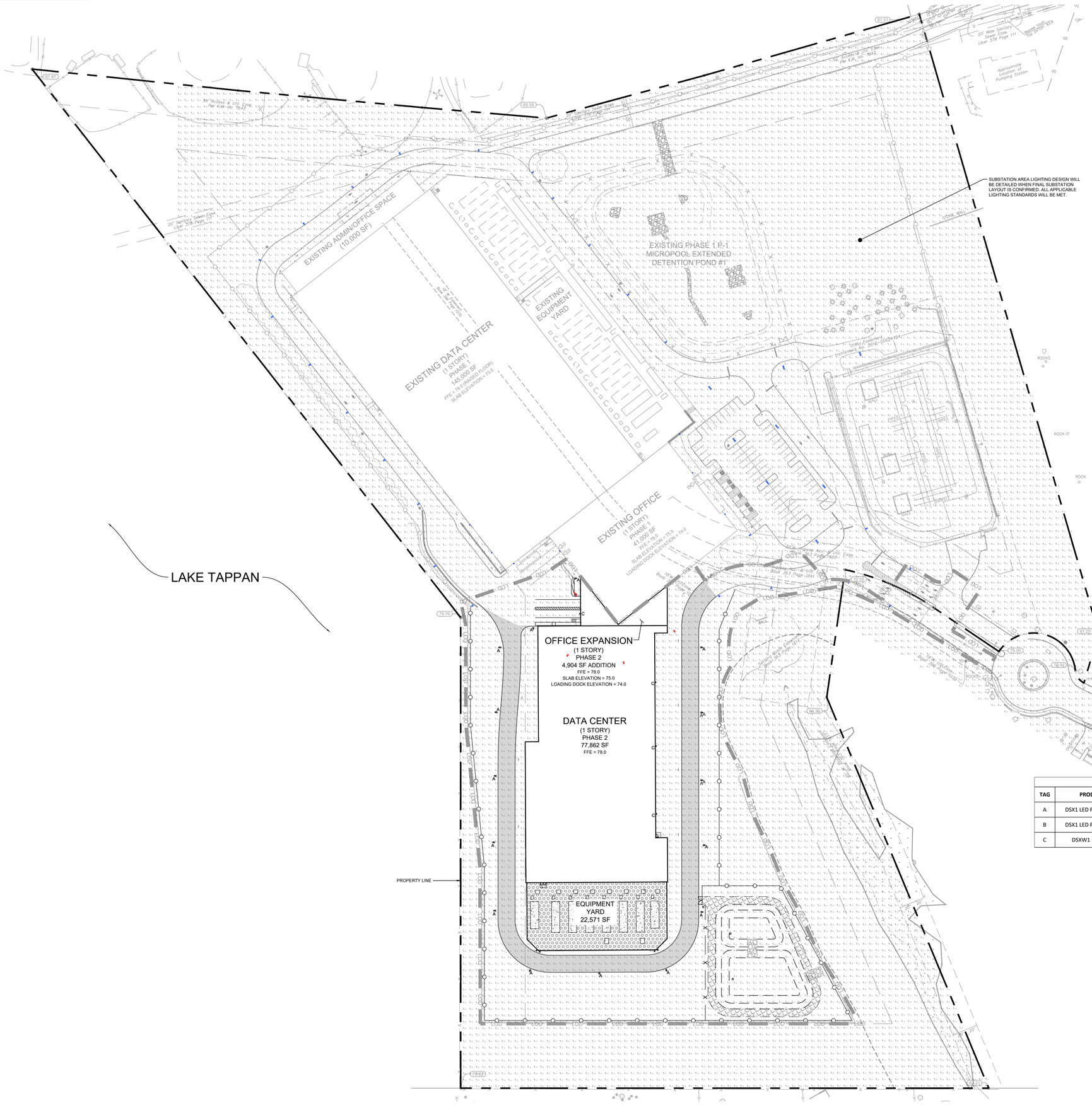

LEGEND

- PROPERTY LINE
- 100' SIDEYARD SETBACK
- LOD — TOTAL AREA OF DISTURBANCE (7.56 AC)
- EXISTING WATERCOURSE
- BUILDING
- PROPOSED SITE LIGHTING POLE AND FIXTURE
- BUILDING MOUNTED FIXTURE
- 'X' — LUMINAIRE TAG
- 0.0 — CALCULATION POINT
- LIGHT FIXTURE TO BE RELOCATED
- LIGHT FIXTURE TO REMAIN

LIGHTING NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "TOPOGRAPHY SURVEY," PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., LAST REVISED JANUARY 4TH, 2023.
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8. ALL SITE LIGHTING POLES TO BE AT MOUNTING HEIGHT OF 20' AND BUILDING MOUNTED LIGHTS TO BE AT MOUNTING HEIGHT OF 15'.
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10. EXISTING FIXTURE AND POLE TO BE RELOCATED FROM PHASE 1 LOCATION TO CORRESPONDING PHASE 2 LOCATION. CONCRETE BASE AT EXISTING LOCATION TO BE DEMOLISHED.
11. PROPOSED FIXTURE SHALL BE MOUNTED ON EXISTING POLE. SHOULD CONTRACTOR BE UNABLE TO DRILL NEW MOUNTING HOLES, A NEW POLE SHOULD BE ORDERED TO FACILITATE DESIGNED INTENT.
12. ALL PROPOSED LUMINAIRES SHALL BE DARK SKY COMPLIANT AND SHALL HAVE A CORRELATED COLOR TEMPERATURE (CCT) OF 3000K OR LOWER. LUMINAIRES SHALL BE DESIGNED AND INSTALLED TO MINIMIZE UPLIGHT, GLARE, AND LIGHT TRESPASS IN ACCORDANCE WITH APPLICABLE LOCAL ORDINANCES.

DATABANK ORANGEBURG - LIGHTING FIXTURE SCHEDULE

TAG	PRODUCT NUMBER	QUANTITY	MOUNTING STYLE	LAMPS	LUMENS	LLF	WATTS	DESCRIPTION
A	DSX1 LED P4 30K 70CRI T3M HS	13	SINGLE 20FT POLE	LED	13333	0.85	124W	WIDE THROW POLE MOUNTED AREA LIGHT
B	DSX1 LED P4 30K 70CRI T4M HS	2	SINGLE 20FT POLE	LED	13430	0.85	124W	FORWARD THROW POLE MOUNTED AREA LIGHT
C	DSXW1 P5 30K 70CRI T4M	4	SINGLE 15FT WALL	LED	4927	0.85	37W	FORWARD THROW BUILDING MOUNTED WALLPACK

DATABANK ORANGEBURG - CALCULATION SUMMARY (FC)

	AVERAGE	*MAXIMUM*	*MINIMUM*	*AVG/MIN*	*MAX/MIN*
PH2 - Traffic Loop	2.17	3.50	1.20	1.81	2.92
PH2 - Loading Dock	2.45	3.80	1.20	2.04	3.17
PH2 - LOD	0.92	4.50	0.00	0.00	0.00

NORTH

GRAPHIC SCALE IN FEET
0 30 60 120

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DATABANK

STATE OF NEW YORK
DANIEL LO FRISO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT 112578002
DATE 06/12/2024
SCALE: AS SHOWN
DESIGNED BY: TAS
DRAWN BY: KC
CHECKED BY: DL

OVERALL LIGHTING PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
LT-1.0

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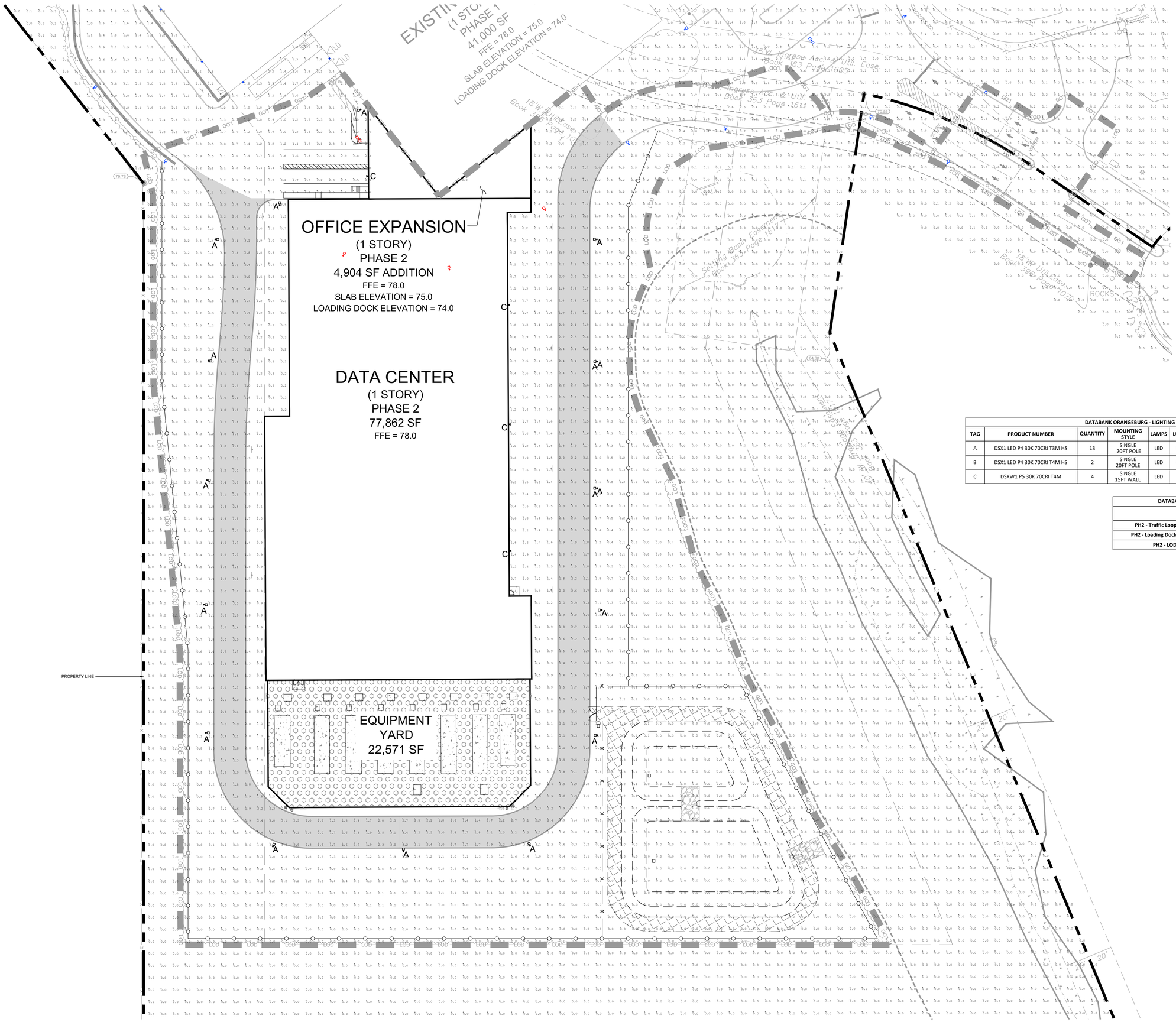

LEGEND

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- 100' SIDEYARD SETBACK
- LOD — TOTAL AREA OF DISTURBANCE (7.56 AC)
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- SITE LIGHTING POLE AND FIXTURE
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GRAPHIC SCALE IN FEET
0 15 30 60

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DATABANK

STATE OF NEW YORK
DANIEL LO FISO
No. 090067
LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT 112578002
DATE 06/12/2024
SCALE: AS SHOWN
DESIGNED BY: TAS
DRAWN BY: KC
CHECKED BY: DL

ENLARGED LIGHTING PLAN

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
LT-1.1

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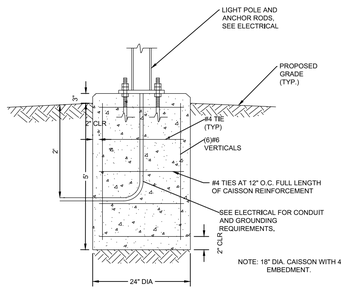
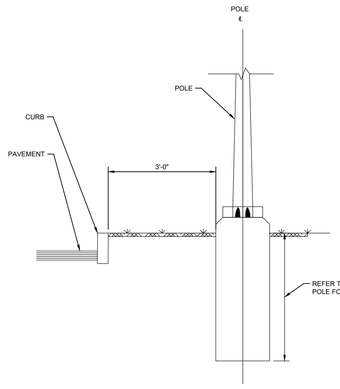


NOTES:

1. THE FOUNDATION IS DESIGNED SPECIFICALLY FOR LIGHT POLE FROM CYCLONE THE LUMINAIRES GROUND INC. PA50-14-SA-T30-COLOR-TX
2. THE FOUNDATION DETAIL HAS BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 3,000 PSF AND LATERAL BEARING PRESSURE OF 150 PSF/FT.
3. THE LIGHT POLE FOUNDATION HAS BEEN DESIGNED FOR A WIND GUST OF 115MPH
4. CONCRETE SHALL REACH A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI AND HAVE AN AIR CONTENT OF 6% ± 1½%.
5. MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS INDICATED ON THE DRAWINGS.
6. REINFORCING BARS SHALL COMPLY WITH ASTM A 615, GRADE 60 DEFORMED.
7. COMPACTED FILL SHALL BE TESTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
8. ALL CONCRETE SHALL BE TESTED TO VERIFY MINIMUM COMPRESSIVE STRENGTH AND AIR CONTENT.

LIGHT POLE FOUNDATION

N.T.S. SOURCE: KIMLEY-HORN



NOTE:
1. SEE ELECTRICAL PLANS FOR WIRE AND GROUNDING REQUIREMENTS
2. ALL CONCRETE BASES TO BE FLUSH TO SURFACES UNLESS OTHERWISE NOTED ON PLANS
3. REFER ALSO TO ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL PLANS FOR ADDITIONAL CONCRETE BASE DETAILS

LIGHT POLE BASE

N.T.S. SOURCE: KIMLEY-HORN

D-Series Size 1
LED Area Luminaire

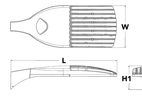
d-series

DLC DLC PREMIUM DLC TECHNICAL PARTNER ASTM Buy American

Catalog Number
Notes
Type
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	12" (30.5 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2" (8.9 cm)
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Distribution				Voltage	Mounting
DSX1 LED	**Forward optics** P1 P4[1] P7[1] P2 P5[1] P8 P3 P6[1] P9[1] **Rotated optics** P10[2] P12[2] P11[2] P13[2,3]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium	T5VS Type V very short[1] T5S Type V short[1] T5M Type V medium[1] T5W Type V wide[1] BLC Backlight control[4] LCCO Left corner cutoff[4] RCCO Right corner cutoff[4]			MVOLT[5] XVOLT (277V-480V)[6,7,8] 120[9] 208[9] 240[9] 277[9] 347[9] 480[9]	**Shipped included** SPA Square pole mounting RPA Round pole mounting[10] WBA Wall bracket[11] SPUMBA Square pole universal mounting adaptor[12] RPUMBA Round pole universal mounting adaptor[12] **Shipped separately** KMAB DDBXD U Mast arm mounting bracket adaptor (specify finish)[12]

Control options		Other options		Finish (required)	
Shipped installed NLTAIR2 nLight AIR generation 2 enabled[13] PIRHN Network, high/low motion/ambient sensor[14] PER NEMA twist-lock receptacle only (controls ordered separate)[15] PERS Five-pin receptacle only (controls ordered separate)[15,16] PER7 Seven-pin receptacle only (controls ordered separate)[15,16] DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17] DS Dual switching[18,19,20]	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 3fc[14,21] PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 3fc[14,21] PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[14,21] PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[14,21] FAO Field adjustable output[20,21]	**Shipped installed** HS House-side shield[22] SF Single fuse (120, 277, 347V)[23] DF Double fuse (208, 240, 480V)[23] L90 Left rotated optics[7] R90 Right rotated optics[7] HA 50°C ambient operations[7] BAA Buy America(n) Act Compliant **Shipped separately** BS Bird spikes[24] EGS External glare shield	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white	DDBSXD Sandstone DDBTSXD Textured dark bronze DBLBSXD Textured black DNATSXD Textured natural aluminum DWHGSXD Textured white DSSTXD Textured sandstone	

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D-Series Size 1
LED Wall Luminaire

d-series

BUY AMERICAN BAA BABA

Catalog Number
Notes
Type
Hit the Tab key or mouse over the page to see all interactive elements.

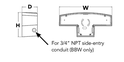
Specifications

Luminaire

Width:	13-3/4" (34.9 cm)	Weight:	12 lbs (5.4 kg)
Depth:	10" (25.4 cm)		
Height:	6-3/8" (16.2 cm)		

Back Box (BBW, E20WC)

Width:	13-3/4" (34.9 cm)	BBW Weight:	5 lbs (2.3 kg)
Depth:	4" (10.2 cm)	E20WC Weight:	10 lbs (4.5 kg)
Height:	6-3/8" (16.2 cm)		



Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and significant energy savings, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED P2 40K 70CRI T3M MVOLT SRM DDBTXD

DSXW1 LED

Series	Lumen Package	CCT	CRI	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	P1 2000 Lumens P2 2200 Lumens P3 3200 Lumens P4 4300 Lumens P5 5200 Lumens P6 7200 Lumens P7 10000 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K 57K 5700K AMBPC Amber PC[1] AMBLW Amber LW[1,2]	70CRI 70CRI 80CRI 80CRI[3] AMCRI Amber CRI	T2S Type 2 Short T2M Type 2 Medium T3LG Type 3 Low Glare[4] T3M Type 3 Medium T4M Type 4 Medium TFTM Forward Throw Medium BLC3 Back Light Control Type 3[5] BLC4 Back Light Control Type 4[5]	MVOLT 120[6] 208[6] 240[6] 277[6] 347[6,8] 480[6,8] HVOLT[6]	**Shipped included** SRM Surface mounting bracket BBW Surface-mounted back box (for conduit entry)[9]	**Shipped installed** PE Photoelectric cell, button type[10] DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15' mtg ht[11] PIRH 180° motion/ambient light sensor, 15-30' mtg ht[11] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[11] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[11] E20WC 20 Watt Emergency battery backup (includes external component enclosure), CA Title 20 Compliant[12] E10WH 10 Watt Emergency battery backup (includes external component enclosure), CA Title 20 compliant[12]

Other Options		Finish (required)			
Shipped installed SF Single fuse (120, 277 or 347V)[3,7] DF Double fuse (208, 240 or 480V)[3,7] HS House-side shield[13] SPD Separate surge protection	**Shipped separately**[14] BSW Bird-deterrent spikes VG Vandal guard DDL Diffused drop lens	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White	DDBTXD Dark bronze DBLBXD Textured black DNATXD Textured natural aluminum	DSSXD Sandstone DDBTSXD Textured dark bronze DBLBSXD Textured black DNATSXD Textured natural aluminum	DWHGXD Textured white DSSTXD Textured sandstone

Accessories
Ordered and shipped separately.

DSXW1CE Classic side shield (one per light engine)
DSXW1BSW U Bird-deterrent spikes
DSXW1VG U Vandal guard accessory

NOTES
1 Only available with P1 and P6 Packages.
2 Not available with 57K.
3 Only Available with AMCRI.
4 Not available with HS Option.
5 Back box BBW required. 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
6 Not available with P1 package. Not available with motion/ambient light sensors (PIR or PIRH). Not Available with DMG.
7 Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory. Not Available with E20WC or E10WH.
8 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
9 Reference Motion Sensor table on page 3. Not available with DMG.
10 Not compatible with conduit entry applications. Not available with BBW back box. Not available with HVOLT or 480 voltage. Not available with 347, 480, HVOLT voltage options. Emergency components located in back box housing. Not available with SPD.
11 Not available with E20WC and E10WH.
12 Also available as a separate accessory; see Accessories information.

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NO.	DESCRIPTION	DATE
5	REVISED FOR PLANNING BOARD REVIEW	01/30/2026
4	ISSUED FOR TOWN OF ORANGETOWN REVIEW	05/15/2025
3	ISSUED FOR TOWN OF ORANGETOWN REVIEW	11/18/2024
2	ISSUED FOR PRICING	08/26/2024
1	ISSUED FOR PRC REVIEW	06/12/2024

FOR PERMIT REVIEW

Kimley»Horn
New York
© 2026 KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C.
1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

DATABANK

STATE OF NEW YORK DANIEL LO FRISCO 036090 LICENSED PROFESSIONAL ENGINEER
01/30/2026

KHA PROJECT	112578002
DATE	06/12/2024
SCALE:	AS SHOWN
DESIGNED BY:	TAS
DRAWN BY:	KC
CHECKED BY:	DL

LIGHTING DETAILS

DATABANK ORANGEBURG
PHASE 2
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGETOWN NEW YORK

SHEET NUMBER
LT-1.2

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